

ORIGINAL

City of San Diego

CONTRACTOR'S NAME: Southern Contracting Company
ADDRESS: 559 N Twin Oaks Valley Road, San Marcos, CA 92069
TELEPHONE NO.: 760-744-0760 ext. 626 FAX NO.: 760-744-6475
CITY CONTACT: Juan E. Espindola - Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491, Fax No. (619) 533-3633
Z. Barhoum/A. James/Lad

CONTRACT DOCUMENTS



e - Bidding FOR

BLOCK 7G2 UUP

BID NO.: K-18-1691-DBB-3
SAP NO. (WBS/IO/CC): B-15085/21003598
CLIENT DEPARTMENT: 2116
COUNCIL DISTRICT: 9
PROJECT TYPE: HI, IJ

THIS CONTRACT IS SUBJECT TO THE FOLLOWING:

- THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM.
- PREVAILING WAGE RATES: STATE FEDERAL
- APPRENTICESHIP

BID DUE DATE:

2:00 PM

APRIL 24, 2018

CITY OF SAN DIEGO

PUBLIC WORKS CONTRACTS

525 B STREET, SUITE 750, MS 908A

SAN DIEGO, CA 92101

DOCUMENT NO R-311964

FILED SEP 11 2018

**OFFICE OF THE CITY CLERK
SAN DIEGO, CALIFORNIA**

ENGINEER OF WORK

The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Engineer:

<u>Shawn Hillers</u>	<u>3/8/18</u>	Seal:
1) Registered Engineer	Date	



<u>[Signature]</u>	<u>3/12/2018</u>	Seal
2) For City Engineer	Date	

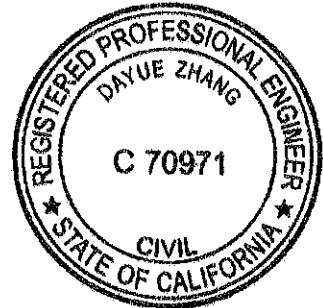


TABLE OF CONTENTS

SECTION	PAGE
1. NOTICE INVITING BIDS	4
2. INSTRUCTIONS TO BIDDERS.....	7
3. PERFORMANCE BOND, LABOR AND MATERIALMEN'S BONDS	17
4. ATTACHMENTS:	
A. SCOPE OF WORK.....	20
B. INTENTIONALLY LEFT BLANK.....	23
C. INTENTIONALLY LEFT BLANK.....	24
D. PREVAILING WAGES	25
E. SUPPLEMENTARY SPECIAL PROVISIONS.....	30
TECHNICAL SPECIFICATIONS.....	48
1. Appendix A - Notice of Exemption	846
2. Appendix B - Fire Hydrant Meter Program.....	848
3. Appendix C - Materials Typically Accepted by Certificate of Compliance & SDGE Approved Material List.....	862
4. Appendix D - Sample City Invoice.....	865
5. Appendix E - Location Map.....	868
6. Appendix F - Sample of Public Notice	870
7. Appendix G - Advanced Metering Infrastructure (AMI) Device Protection.....	872
F. INTENTIONALLY LEFT BLANK.....	879
G. CONTRACT AGREEMENT.....	880
5. CERTIFICATIONS AND FORMS	883

NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **Block 7G2 UUP**. For additional information refer to Attachment A.
2. **FULL AND OPEN COMPETITION:** This contract is open to full competition and may be bid on by Contractors who are on the City's current Prequalified Contractors' List. For information regarding the Contractors Prequalified list visit the City's web site: <http://www.sandiego.gov>.
3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$4,896,000**.
4. **BID DUE DATE AND TIME ARE: April 24, 2018, at 2:00 PM.**
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
6. **LICENSE REQUIREMENT:** The City has determined that the following licensing classification(s) are required for this contract: **A or C10**
7. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract.
 - 7.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1. SLBE participation	4.0%
2. ELBE participation	6.0%
3. Total mandatory participation	10.0%
 - 7.2. The Bid may be declared non-responsive if the Bidder fails to meet the following requirements:
 - 7.2.1. Attend the Pre-Bid Meeting as described herein.
 - 7.2.2. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; **OR**
 - 7.2.3. Submit Good Faith Effort documentation, saved in searchable Portable Document Format (PDF) and stored on Compact Disc (CD) or Digital Video Disc (DVD), demonstrating the Bidder made a good faith effort to outreach

to and include SLBE-ELBE Subcontractors required in this document within 3 Working Days of the Bid opening if the overall mandatory participation percentage is not met.

8. PRE-BID MEETING:

- 8.1.** Prospective Bidders are **required** to attend the Pre-Bid Meeting. The purpose of the meeting is to discuss the scope of the Project, submittal requirements, the pre-qualification process and any Equal Opportunity Contracting Program requirements and reporting procedures. To request a sign language or oral interpreter for this visit, call the Public Works Contracts at (619) 533-3450 at least 5 Working Days prior to the meeting to ensure availability. Failure to attend the Mandatory Pre-Bid Meeting may result in the Bid being deemed non-responsive. The Pre-Bid meeting is scheduled as follows:

Date: April 10, 2018
Time: 10:00 AM
Location: 525 B Street, Suite 750 MS 908A (Conf 525B 7 Wada), San Diego CA 92101

Attendance at the Pre-Bid Meeting will be evidenced by the Bidder's representative's signature on the attendance roster. It is the responsibility of the Bidder's representative to complete and sign the attendance roster.

Bidders may not be admitted after the specified start time of the mandatory Pre-Bid Meeting.

9. AWARD PROCESS:

- 9.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions of Award as stated within these documents and within the Notice of Intent to Award.
- 9.2.** Upon acceptance of bids and determination of the apparent low bidder, the City will prepare the contract documents for execution within approximately 21 days of the date of the bid opening. The City will then award the contract upon receipt of properly signed Contract, bonds, and insurance documents.
- 9.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form by the City Attorney's Office.
- 9.4.** The low Bid will be determined by the Base Bid alone.
- 9.5.** Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base bid alone.

10. SUBMISSION OF QUESTIONS:

- 10.1.** The Director (or Designee) of Public Works Department is the officer responsible for opening, examining, and evaluating the competitive Bids submitted to the City for the acquisition, construction and completion of any public improvement except when otherwise set forth in these documents. Any questions related to this solicitation shall be submitted to:

Public Works Contracts
525B Street, Suite 750, MS 908A
San Diego, California, 92101
Attention: Juan E. Espindola

OR:

JEEspindola@sandiego.gov

- 10.2.** Questions received less than 14 days prior to the date for opening of Bids may not be considered.
- 10.3.** Questions or clarifications deemed by the City to be material shall be answered via issuance of an addendum and posted to the City's online bidding service.
- 10.4.** Only questions answered by formal written addenda shall be binding. Oral and other interpretations or clarifications shall be without legal effect. It is the Bidder's responsibility to be informed of any addenda that have been issued and to include all such information in its Bid.

INSTRUCTIONS TO BIDDERS

1. PREQUALIFICATION OF CONTRACTORS:

- 1.1. Contractors submitting a Bid must be pre-qualified for the total amount proposed, including all alternate items, prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified may be deemed **non-responsive** and ineligible for award. Complete information and links to the on-line prequalification application are available at:

<http://www.sandiego.gov/cip/bidopps/prequalification.shtml>

- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening.
- 1.3. Due to the City's responsibility to protect the confidentiality of the contractors' information, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [PlanetBids™](#).

2. ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS: Bids will be received in electronic format (eBids) EXCLUSIVELY at the City of San Diego's electronic bidding (eBidding) site, at: <http://www.sandiego.gov/cip/bidopps/index.shtml> and are due by the date, and time shown on the cover of this solicitation.

- 2.1. **BIDDERS MUST BE PRE-REGISTERED** with the City's bidding system and possess a system-assigned Digital ID in order to submit an electronic bid.
- 2.2. The City's bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City's bidding system will keep a history of every login instance including the time of login, and other information about the user's computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers' cookies will not be able to log in and use the City's bidding system.
- 2.3. The City's electronic bidding system is responsible for bid tabulations. Upon the bidder's or proposer's entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.

2.4. BIDS REMAIN SEALED UNTIL BID DEADLINE. eBids are transmitted into the City's bidding system via hypertext transfer protocol secure (https) mechanism using SSL 128-256 bit security certificates issued from Verisign/Thawte which encrypts data being transferred from client to server. Bids submitted prior to the "Bid Due Date and Time" are not available for review by anyone other than the submitter which has until the "Bid Due Date and Time" to change, rescind or retrieve its proposal should it desire to do so.

2.5. BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME. Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results on line. City staff may then begin reviewing the submissions for responsiveness, EOCP compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.

2.6. RECAPITULATION OF THE WORK. Bids shall not contain any recapitulation of the Work. Conditional Bids may be rejected as being non-responsive. Alternative proposals will not be considered unless called for.

2.7. BIDS MAY BE WITHDRAWN by the Bidder only up to the bid due date and time.

2.7.1. Important Note: Submission of the electronic bid into the system may not be instantaneous. Due to the speed and capabilities of the user's internet service provider (ISP), bandwidth, computer hardware and other variables, it may take time for the bidder's submission to upload and be received by the City's eBidding system. It is the bidder's sole responsibility to ensure their bids are received on time by the City's eBidding system. The City of San Diego is not responsible for bids that do not arrive by the required date and time.

2.8. ACCESSIBILITY AND AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE: To request a copy of this solicitation in an alternative format, contact the Public Works Contract Specialist listed on the cover of this solicitation at least five (5) working days prior to the Bid/Proposal due date to ensure availability.

3. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT

3.1. The bidder, by submitting its electronic bid, acknowledges that doing so carries the same force and full legal effect as a paper submission with a longhand (wet) signature.

3.2. By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder

acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.

- 3.3.** The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certification, forms and affidavits submitted as part of this bid are true and correct.
- 3.4.** The Bidder agrees to the construction of the project as described in Attachment "A – Scope of Work" for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days (90 days for federally funded contracts and contracts valued at \$500,000 or less) from the date of Bid opening. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent.
- 4. BIDS ARE PUBLIC RECORDS:** Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.
- 5. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:**

 - 5.1.** **Prior** to the Award of the Contract or Task Order, you and your Subcontractors and Suppliers must register with the City's web-based vendor registration and bid management system. For additional information go to:

<http://www.sandiego.gov/purchasing/bids-contracts/vendorreg.shtml>.
 - 5.2.** The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.
- 6. JOINT VENTURE CONTRACTORS:** Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 10 Working Days after receiving the Contract forms. See 7-6, "The Contractors Representative" in The GREENBOOK and 7-6.1 in The WHITEBOOK.
- 7. PREVAILING WAGE RATES WILL APPLY:** Refer to Attachment D.

8. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract. Refer to Attachment E.

9. **INSURANCE REQUIREMENTS:**

9.1. All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City's Notice of Intent to Award letter.

9.2. Refer to sections 7-3, "LIABILITY INSURANCE", and 7-4, "WORKERS' COMPENSATION INSURANCE" of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.

10. **REFERENCE STANDARDS:** Except as otherwise noted or specified, the Work shall be completed in accordance with the following standards:

Title	Edition	Document Number
Standard Specifications for Public Works Construction ("The GREENBOOK") http://www.greenbookspecs.org/	2015	PWPI070116-01
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")* https://www.sandiego.gov/publicworks/edocref/greenbook	2015	PWPI070116-02
City of San Diego Standard Drawings* https://www.sandiego.gov/publicworks/edocref/standarddraw	2016	PWPI070116-03
Citywide Computer Aided Design and Drafting (CADD) Standards https://www.sandiego.gov/publicworks/edocref/drawings	2016	PWPI092816-04
California Department of Transportation (CALTRANS) Standard Specifications - http://www.dot.ca.gov/des/oe/construction-contract-standards.html	2015	PWPI092816-05
CALTRANS Standard Plans http://www.dot.ca.gov/des/oe/construction-contract-standards.html	2015	PWPI092816-06
California Manual on Uniform Traffic Control Devices Revision 1 (CA MUTCD Rev 1) - http://www.dot.ca.gov/trafficops/camutcd/	2014	PWPI092816-07
NOTE: *Available online under Engineering Documents and References at: http://www.sandiego.gov/publicworks/edocref/index.shtml		

- 11. CITY'S RESPONSES AND ADDENDA:** The City, at its discretion, may respond to any or all questions submitted in writing via the City's eBidding web site in the **form of an addendum**. No other responses to questions, oral or written shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addenda are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda at the time of bid submission.
- 12. CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.
- 13. CONTRACT PRICING:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein. The Bidder agrees to perform construction services for the City of San Diego in accordance with these contract documents for the prices listed below. The Bidder further agrees to guarantee the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee may be extended, by mutual consent of the parties, by the number of days required for the City to obtain all items necessary to fulfill all contractual conditions.
- 14. SUBCONTRACTOR INFORMATION:**
- 14.1. LISTING OF SUBCONTRACTORS.** In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the **NAME** and **ADDRESS** of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR, CONSULTANT** or **SUPPLIER**. The Bidder shall state the **DIR REGISTRATION NUMBER** for all subcontractors and shall further state within the description, the **PORTION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3, "Subcontracts", which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.

- 14.2. LISTING OF SUPPLIERS.** Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the **NAME, LOCATION (CITY), DIR REGISTRATION NUMBER** and the **DOLLAR VALUE** of each supplier. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for materials and supplies unless vendor manufactures or substantially alters materials and supplies, in which case, 100% will be credited. The Bidder is to indicate within the description whether the listed firm is a supplier or manufacturer. If no indication is provided, the listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage.
- 14.3. LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES.** For subcontractors or suppliers to be used on additive or deductive alternate items, in addition to the above requirements, bidder shall further note "ALTERNATE" and alternate item number within the description.
- 15. SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.
- 16. AWARD:**
- 16.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
- 16.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
- 16.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.
- 17. SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The GREENBOOK and as amended in the SSP which requires the Contractor to self-perform not less than the specified amount. Failure to comply with this requirement shall render the bid **non-responsive** and ineligible for award.
- 18. AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracts.

- 19. ONLY ONE BID PER CONTRACTOR SHALL BE ACCEPTED:** No person, firm, or corporation shall be allowed to make, file, or be interested in more than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
- 20. SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, First floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms within these documents.
- 21. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:**
- 21.1.** For bids \$250,000 and above, bidders shall submit Bid Security at bid time. Bid Security shall be in one of the following forms: a cashier's check, or a properly certified check upon some responsible bank; or an approved corporate surety bond payable to the City of San Diego for an amount of not less than 10% of the total bid amount.
- 21.2.** This check or bond, and the monies represented thereby, will be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into the contract and furnish the required final performance and payment bonds.
- 21.3.** The Bidder agrees that in the event of the Bidder's failure to execute this contract and provide the required final bonds, the money represented by the cashier's or certified check will remain the property of the City; and the Surety agrees that it will pay to the City the damages, not exceeding the sum of 10% of the amount of the Bid, that the City may suffer as a result of such failure.
- 21.4.** At the time of bid submission, bidders must upload and submit an electronic PDF copy of the aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. Within twenty-four (24) hours after the bid due date and time, the first five (5) apparent low bidders must provide the City with the original bid security.
- 21.5.** Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original within twenty-four (24) hours may cause the bid to be rejected and deemed **non-responsive**.

22. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 22.1.** This contract may be awarded to the lowest responsible and reliable Bidder.
- 22.2.** Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.
- 22.3.** The City reserves the right to reject any or all Bids, to waive any informality or technicality in Bids received, and to waive any requirements of these specifications as to bidding procedure.
- 22.4.** Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City within 3 Working Days of the bid opening, written notice from the Bidder which shows proof of honest, credible, clerical error of a material nature, free from fraud or fraudulent intent; and of evidence that reasonable care was observed in the preparation of the Bid.
- 22.5.** A bidder who is not selected for contract award may protest the award of a contract to another bidder by submitting a written protest in accordance with the San Diego Municipal Code.
- 22.6.** The City of San Diego will not discriminate in the award of contracts with regard to race, religion, creed, color, national origin, ancestry, physical handicap, marital status, sex or age.
- 22.7.** Each Bid package properly signed as required by these specifications shall constitute a firm offer which may be accepted by the City within the time specified herein.
- 22.8.** The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of the base bid and any proposed alternates or options as detailed herein.

23. BID RESULTS:

- 23.1.** The availability of the bids on the City's eBidding system shall constitute the public announcement of the apparent low bidder. In the event that the apparent low bidder is subsequently deemed non-responsive or non-responsible, a notation of such will be made on the eBidding system. The new ranking and apparent low bidder will be adjusted accordingly.
- 23.2.** To obtain the bid results, view the results on the City's web site, or request the results by U.S. mail and provide a self-addressed, stamped envelope. If requesting by mail, be sure to reference the bid name and number. The bid tabulations will be mailed to you upon their completion. The results will not be given over the telephone.

24. THE CONTRACT:

- 24.1.** The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 24.2.** If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 24.3.** If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- 24.4.** Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 24.5.** The award of the Contract is contingent upon the satisfactory completion of the above-mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.

- 25. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character,

quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.

26. CITY STANDARD PROVISIONS: This contract is subject to the following standard provisions. See The WHITEBOOK for details.

26.1. The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.

26.2. The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.

26.3. The City of San Diego Municipal Code §22.3004 for Contractor Standards.

26.4. The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.

26.5. Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.

26.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).

26.7. The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.

27. PRE-AWARD ACTIVITIES:

27.1. The contractor selected by the City to execute a contract for this Work shall submit the required documentation as specified in the herein and in the Notice of Award. Failure to provide the information as specified may result in the Bid being rejected as **non-responsive**.

27.2. The decision that bid is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

Southern Contracting Company, a corporation, as principal, and TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of Eight Million One Hundred Seventy Six Thousand Seven Hundred Thirty Five Dollars and Sixty Eight Cents (\$8,176,735.68) for the faithful performance of the annexed contract, and in the sum of Eight Million One Hundred Seventy Six Thousand Seven Hundred Thirty Five Dollars and Sixty Eight Cents (\$8,176,735.68) for the benefit of laborers and materialmen designated below.

Conditions:

If the Principal shall faithfully perform the annexed contract with the City of San Diego, California, then the obligation herein with respect to a faithful performance shall be void; otherwise it shall remain in full force.

If the Principal shall promptly pay all persons, firms and corporations furnishing materials for or performing labor in the execution of this contract, and shall pay all amounts due under the California Unemployment Insurance Act then the obligation herein with respect to laborers and materialmen shall be void; otherwise it shall remain in full force.

The obligation herein with respect to laborers and materialmen shall inure to the benefit of all persons, firms and corporations entitled to file claims under the provisions of Article 2, Claimants, (III) public works of improvement commencing with Civil Code Section 9100 of the Civil Code of the State of California.

Changes in the terms of the annexed contract or specifications accompanying same or referred to therein shall not affect the Surety's obligation on this bond, and the Surety hereby waives notice of same.

The Surety shall pay reasonable attorney's fees should suit be brought to enforce the provisions of this bond.

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND (continued)

Dated MAY 14, 2018

Approved as to Form

SOUTHERN CONTRACTING COMPANY

Principal

By 

PHILIP E. WATERMAN, PRESIDENT

Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney

By 

Deputy City Attorney

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

Surety

By 

MARK D. IATAROLA, ATTORNEY-IN-FACT
Attorney-in-fact

Approved:

By: 

Cindy Crocker
Interim Deputy Director
Public Works Contracts

21688 GATEWAY CENTRE DRIVE

Local Address of Surety

DIAMOND BAR, CA 91765

Local Address (City, State) of Surety

909/612-3647

Local Telephone No. of Surety

Premium \$ 66,973.00

PREMIUM IS FOR CONTRACT TERM
AND IS SUBJECT TO ADJUSTMENT
BASED ON FINAL CONTRACT PRICE

Bond No. 106843917

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

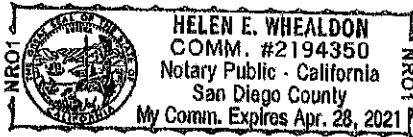
CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of SAN DIEGO }

On 5/14/2018 before me, HELEN E. WHEALDON, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer
personally appeared MARK D. IATAROLA
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Helen E Whealdon
Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: MARK D. IATAROLA

Corporate Officer -- Title(s): _____

Partner -- Limited General

Individual Attorney in Fact

Trustee Guardian of Conservator

Other: _____

Signer is Representing: _____

Signer's Name: _____

Corporate Officer -- Title(s): _____

Partner -- Limited General

Individual Attorney in Fact

Trustee Guardian of Conservator

Other: _____

Signer is Representing: _____



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Mark D. Iatarola, of Escondido, California**, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this 3rd day of February, 2017.



State of Connecticut

City of Hartford ss.

By:
Robert L. Raney, Senior Vice President

On this the 3rd day of February, 2017, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2021



Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 14TH day of MAY, 2018



Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney-in-Fact and the details of the bond to which the power is attached.**

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of San Diego)

On 05/14/2018 before me, Lynn R. Murison-Eroles, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Philip E. Waterman
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(x) whose name(x) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(x), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature: *Lynn R. Murison-Eroles*
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Performance Bond, Labor and Materialmen's Bond Document Date: 05/14/2018
Number of Pages: 2 Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: Philip E. Waterman
 Corporate Officer -- Title(s): President
 Partner -- Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

Signer's Name: _____
 Corporate Officer -- Title(s): _____
 Partner -- Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** The project consists of converting overhead (OH) utilities into underground (UG) utilities in the Rolando Residential Block 7G2 (Block 7G2) in the City of San Diego. The undergrounded utilities include SDG&E power, COX Cable, AT&T telecommunication, along with City's streetlights in the City right of way and in private properties. This project will also consist of curb ramp installation, and all other work and appurtenances necessary to complete the work for Block 7G2 of the Underground Utilities Program. The Contractor shall provide all management, documentations, labor, materials, services and equipment needed to perform the Work. The Contractor shall provide SDG&E and streetlight conduits and all other utility companies will provide their own conduits. The Contractor shall install streetlight conduits and utility conduits for all utility companies with pull ropes and labeled appropriately per trench and conduit plans for streetlights and utility companies. The Contractor shall provide and install all equipment pads and sub-structures as indicated on the plans. Cable shall be provided and installed for streetlights and from the meter to the first demarcation point for SDG&E ONLY where SDG&E shall make the service connection, via Meyer's adapter, splice can, loop and bond, extended loop and bond or direct connect. All other cabling work will be conducted by individual utility companies.

Private Work

The work in private property consists of trench and conduit from property line to meter location in preparation of undergrounding conversion. The Work will involve preparing the electrical panel to accept the undergrounding system in accordance to SDG&E Plans and Specifications, and National Electrical Code (NEC).

Streetlight Work

The Work involves furnishing labor, material and construction for the installation of street lights as indicated on the Block 7G2 Streetlight and Cable plan. The Work will include but not limited installation to conductors, pull boxes, street lights poles, street light fixtures, fuses and ground rods.

Ramp Work

The Work involves furnishing labor, material and construction for the work as indicated on the Block 7G2 Curb Ramp Plan. The work consists of curb ramp installations, repairs and replacement of concrete pavement, curb and gutter or sidewalk.

- 1.1. The Work shall be performed in accordance with:
 - 1.1.1 UTILITIES UNDERGROUNDING PROGRAM 20SD CONVERSION ROLANDO BLOCK 7G2 CONSOLIDATED DRAWINGS 39685 -1-D through 39685 -23-D, inclusive.
 - 1.1.2 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. TRENCH AND CONDUIT SDG&E PROJECT NUMBER 253568-010, CONSTRUCTION ORDER No. 2960700, Sheets 1-19, inclusive.

- 1.1.3 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. TRENCH AND CONDUIT. AT&T JOB NUMBER A00CA7W, Sheets 1-29, inclusive.
 - 1.1.4 ROLANDO BLK 7G2 20SD CONVERSION, Cox project number 42005160000RES0075, Sheets 1-14, inclusive.
 - 1.1.5 CITY OF SAN DIEGO PLANS FOR THE CONSTRUCTION OF 20SD ROLANDO BLOCK 7G2 STREETLIGHT TRENCH AND CONDUIT, 38631-1-D through 38631-18-D
 - 1.1.6 CITY OF SAN DIEGO PLANS FOR THE CONSTRUCTION OF 20SD ROLANDO BLOCK 7G2 CAPITAL IMPROVEMENTS, Drawings 38632-1-D through 38632-28-D, inclusive.
- 1.2. Additional SDG&E Plans are included for coordination. See Technical Specifications Section 01015 – Document Coordination.
2. **LOCATION OF WORK:** See **Appendix E** – Location Map.
 3. **CONTRACT TIME:** The Contract duration will be a total of **1,040 Working Days** with the following sequence of work:
 - 3.1. **First NTP** will be issued for Trench and Conduit construction. The Contractor shall finish all trench and conduit installations per plan in **390 Working Days** and demobilize from the job site.
 - 3.2. **Utility Moratorium** period of **260 Working Days**. SDG&E and communication companies completing their cabling work, there will be NO work for the Contractor during this period.
 - 3.3. **Second NTP** will be issued for CIP and Cutover construction once the cabling is completed. The Contractor shall remobilize to the site and finish all CIP and cutover job per plan in **390 Working Days**

ATTACHMENT B
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ATTACHMENT C
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ATTACHMENT D
PREVAILING WAGES

PREVAILING WAGES

1. **PREVAILING WAGE RATES:** Pursuant to San Diego Municipal Code section 22.3019, construction, alteration, demolition, repair and maintenance work performed under this Contract is subject to State prevailing wage laws. For construction work performed under this Contract cumulatively exceeding \$25,000 and for alteration, demolition, repair and maintenance work performed under this Contract cumulatively exceeding \$15,000, the Contractor and its subcontractors shall comply with State prevailing wage laws including, but not limited to, the requirements listed below.
 - 1.1. **Compliance with Prevailing Wage Requirements.** Pursuant to sections 1720 through 1861 of the California Labor Code, the Contractor and its subcontractors shall ensure that all workers who perform work under this Contract are paid not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations (DIR). This includes work performed during the design and preconstruction phases of construction including, but not limited to, inspection and land surveying work.
 - 1.1.1. Copies of such prevailing rate of per diem wages are on file at the City and are available for inspection to any interested party on request. Copies of the prevailing rate of per diem wages also may be found at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Contractor and its subcontractors shall post a copy of the prevailing rate of per diem wages determination at each job site and shall make them available to any interested party upon request.
 - 1.1.2. The wage rates determined by the DIR refer to expiration dates. If the published wage rate does not refer to a predetermined wage rate to be paid after the expiration date, then the published rate of wage shall be in effect for the life of this Contract. If the published wage rate refers to a predetermined wage rate to become effective upon expiration of the published wage rate and the predetermined wage rate is on file with the DIR, such predetermined wage rate shall become effective on the date following the expiration date and shall apply to this Contract in the same manner as if it had been published in said publication. If the predetermined wage rate refers to one or more additional expiration dates with additional predetermined wage rates, which expiration dates occur during the life of this Contract, each successive predetermined wage rate shall apply to this Contract on the date following the expiration date of the previous wage rate. If the last of such predetermined wage rates expires during the life of this Contract, such wage rate shall apply to the balance of the Contract.
 - 1.2. **Penalties for Violations.** Contractor and its subcontractors shall comply with California Labor Code section 1775 in the event a worker is paid less than the prevailing wage rate for the work or craft in which the worker is employed. This shall be in addition to any other applicable penalties allowed under Labor Code sections 1720 – 1861.

- 1.3. Payroll Records.** Contractor and its subcontractors shall comply with California Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.
- 1.3.1.** Contractor and their subcontractors shall also furnish records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.
- 1.4. Apprentices.** Contractor and its subcontractors shall comply with California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning the employment and wages of apprentices. Contractor is held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.
- 1.5. Working Hours.** Contractor and their subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on contractors and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.
- 1.6. Required Provisions for Subcontracts.** Contractor shall include at a minimum a copy of the following provisions in any contract they enter into with a subcontractor: California Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- 1.7. Labor Code Section 1861 Certification.** Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."
- 1.8. Labor Compliance Program.** The City has its own Labor Compliance Program authorized in August 2011 by the DIR. The City will withhold contract payments when payroll records are delinquent or deemed inadequate by the City or other governmental entity, or it has been established after an investigation by the City or other governmental entity that underpayment(s) have occurred. For questions or assistance, please contact the City of San Diego's Equal Opportunity Contracting Department at 619-236-6000.

- 1.9. Contractor and Subcontractor Registration Requirements.** This project is subject to compliance monitoring and enforcement by the DIR. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid or proposal, subject to the requirements of section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.
- 1.9.1.** A Contractor's inadvertent error in listing a subcontractor who is not registered pursuant to Labor Code section 1725.5 in response to a solicitation shall not be grounds for filing a bid protest or grounds for considering the bid non-responsive provided that any of the following apply: (1) the subcontractor is registered prior to bid opening; (2) within twenty-four hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in Labor Code section 1725.5; or (3) the subcontractor is replaced by another registered subcontractor pursuant to Public Contract Code section 4107.
- 1.9.2.** By submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Contractor shall provide proof of registration for themselves and all listed subcontractors to the City at the time of bid or proposal due date or upon request.
- 1.10. Stop Order.** For Contractor or its subcontractors engaging in the performance of any public work contract without having been registered in violation of Labor Code sections 1725.5 or 1771.1, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractors or unregistered subcontractor(s) on ALL public works until the unregistered contractor or unregistered subcontractor(s) is registered. Failure to observe a stop order is a misdemeanor.
- 1.11. List of all Subcontractors.** The City may ask Contractor for the most current list of subcontractors (regardless of tier), along with their DIR registration numbers, utilized on this Agreement at any time during performance of this contract, and Contractor shall provide the list within ten (10) working days of the City's request. Additionally, Contractor shall provide the City with a complete list of all subcontractors utilized on this contract (regardless of tier), within ten working days of the completion of the contract, along with their DIR registration numbers. The City shall withhold final payment to Contractor until at least 30 days after this information is provided to the City.
- 1.12. Exemptions for Small Projects.** There are limited exemptions for installation, alteration, demolition, or repair work done on projects of \$25,000 or less. The Contractor shall still comply with Labor Code sections 1720 et. seq. The only recognized exemptions are listed below:

- 1.12.1.** Registration. The Contractor will not be required to register with the DIR for small projects. (Labor Code section 1771.1)
- 1.12.2.** Certified Payroll Records. The records required in Labor Code section 1776 shall be required to be kept and submitted to the City of San Diego, but will not be required to be submitted online with the DIR directly. The Contractor will need to keep those records for at least three years following the completion of the Contract. (Labor Code section 1771.4).
- 1.12.3.** List of all Subcontractors. The Contractor shall not be required to hire only registered subcontractors and is exempt from submitting the list of all subcontractors that is required in section 4.20.11 above. (Labor code section 1773.3).

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

The following Supplementary Special Provisions (SSP) modifies the following documents:

1. The **2015 Edition** of the Standard Specifications for Public Works Construction (The "GREENBOOK").
2. The **2015 Edition** of the City of San Diego Standard Specifications for Public Works Construction (The "WHITEBOOK"), including the following:
 - a) General Provisions (A) for all Contracts.

SECTION 1 - TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS

- 1-2 TERMS AND DEFINITIONS.** To the "WHITEBOOK", Item 54, "Normal Working Hours", ADD the following:

The **Normal Working Hours** are 7:00 AM to 5:00 PM.

SECTION 2 - SCOPE AND CONTROL OF WORK

- 2-3.2 Self Performance.** To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall perform, with your own organization, Contract Work amounting to at least 30% of the base Bid **AND** 30% of any alternates.

- 2-5.3.4 Supporting Information.** To the "WHITEBOOK", ADD the following:

2. For landscaping and irrigation materials, submit samples and test results to the Engineer within 15 Days of the NTP.

- 2-7 SUBSURFACE DATA.** To the "WHITEBOOK", ADD the following:

4. In preparation of the Contract Documents, the designer has relied upon the following reports of explorations and tests of subsurface conditions at the Work Site:
 - a) Block 7G2 Undergrounding Geotechnical Report
 - b) Soils Report and DBL Sheets

5. The reports listed above are included in the Technical Specifications.

ADD:

2-10 AUTHORITY OF THE BOARD AND THE ENGINEER. To the "GREENBOOK", Paragraph (2), DELETE in its entirety and SUBSTITUTE with the following:

The decision of the Engineer is final and binding on all questions relating to: quantities; acceptability of material, equipment, or work; execution, progress or sequence of work; requests for information (RFI), and interpretation of the Plans, Specifications, or other Contract Documents. This shall be precedent to any payment under the Contract. The Engineer shall be the single point of contact and shall be included in all communications.

2-16 CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM. To the "WHITEBOOK", item 1, DELETE in its entirety.

SECTION 3 – CHANGES IN WORK

3-5.1 Claims. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

ADD:

3-5.1 Claims.

1. A Claim is a written demand by you that seeks an adjustment in the Contract Price, Contract Time, or other relief associated with a dispute arising under or relating to the Contract, including a breach of any provision thereof. A voucher, invoice, or other routine request for payment is not a Claim.
2. A Claim shall conform to these specifications and may be considered after the City has previously denied a request by you for a Change Order seeking the demanded relief.
3. You shall submit a Claim to the Engineer if a dispute occurs that arises from or relates to the Contract. The Claim shall seek all relief to which you assert you are entitled as a result of the event(s) giving rise to the dispute. Your failure to process a Claim in accordance with these specifications shall constitute a waiver of all relief associated with the dispute. Claims are subject to 6-11, "Right to Audit".
4. You shall continue to perform the Services and Work and shall maintain the Schedule during any dispute proceedings. The Engineer will continue to make payments for undisputed Services and Work.
5. The City's Claims process specified herein shall not relieve you of your statutory obligations to present claims prior to any action under the California Government Code.

3-5.1.1 Initiation of Claim.

1. You shall promptly, but no later than 30 Days after the event(s) giving rise to the Claim, deliver the Claim to the Engineer.
2. You shall not process a Claim unless the Engineer has previously denied a request by you for a Change Order that sought the relief to be pursued in the claim.

3-5.1.1.1 Claim Certification Submittal.

1. If your Claim seeks an Increase in the Contract Price, the Contract Time, or both, submit with the Claim an affidavit certifying the following:
 - a) The Claim is made in good faith and covers all costs and delays to which you are entitled as a result of the event(s) giving rise to the Claim.
 - b) The amount claimed accurately reflects the adjustments in the Contract Price, the Contract Time, or both to which you believe you are entitled.
 - c) All supporting costs and pricing data are current, accurate, and complete to the best of your knowledge. The cost breakdown per item of Work shall be supplied.
 - d) You shall ensure that the affidavit is executed by an official who has the authority to legally bind you.

3-5.1.2 Initial Determination.

1. The Engineer will respond in writing to your Claim within 30 Days of receipt of the Claim.

3-5.1.3 Settlement Meeting.

If you disagree with the Initial Determination, you shall request a Settlement Meeting within 30 Days. Upon receipt of this request, the Engineer will schedule the Settlement Meeting within 15 Working Days.

3-5.1.7 City's Final Determination.

1. If a settle agreement is not reached, the City shall make a written Final Determination within 10 Working Days after the Settlement Meeting.
2. If you disagree with the City's Final Determination, notify the Engineer in writing of your objection within 15 Working Days after receipt of the written determination and file a "Request for Mediation" in accordance with 3-5.2, "Dispute Resolution Process".
3. Failure to give notice of objection within the 15 Working Days period shall waive your right to pursue the Claim.

3-5.1.5 Mandatory Assistance.

1. If a third party dispute, litigation, or both arises out of or relates in any way to the Services provided under the Contract, upon the City's request, you shall agree to assist in resolving the dispute or litigation. Your assistance includes, but is not limited to the following:
 - a) Providing professional consultations.
 - b) Attending mediations, arbitrations, depositions, trials, or any event related to the dispute resolution and litigation.

3-5.1.5.1 Compensation for Mandatory Assistance.

1. The City will reimburse you for reasonable fees and expenses incurred by you for any required assistance rendered in accordance with 3-5.1.8, "Mandatory Assistance" as Extra Work.
2. The Engineer will determine whether these fees and expenses were necessary due to your conduct or failure to act.
3. If the Engineer determines that the basis of the dispute or litigation in which these fees and expenses were incurred were the result of your conduct or your failure to act in part or in whole, you shall reimburse the City for any payments made for these fees and expenses.
4. Reimbursement may be through any legal means necessary, including the City's withholding of your payment.

3-5.2.3 Selection of Mediator. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. A single mediator, knowledgeable in construction aspects and acceptable to both parties, shall be used to mediate the dispute.
2. To initiate mediation, the initiating party shall serve a Request for Mediation at the American Arbitration Association (AAA) on the opposing party.
3. If AAA is used, the initiating party shall concurrently file with AAA a "Request for Mediation" along with the appropriate fees, a copy of requested mediators marked in preference order, and a preference for available dates.
4. If AAA is selected to coordinate the mediation (Administrator), within 10 Working Days from the receipt of the initiating party's Request for Mediation, the opposing party shall file the following:
 - a) A copy of the list of the preferred mediators listed in preference order after striking any mediators to which they have any objection.
 - b) A preference for available dates.
 - c) Appropriate fees.

5. If the parties cannot agree on a mediator, then each party shall select a mediator and those mediators shall select the neutral third party to mediate the matter.

3-5.3 Forum of Litigation. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. It is the express intention that all legal actions and proceedings related to the Contract or Agreement with the City or to any rights or any relationship between the parties arising therefrom shall be solely and exclusively initiated and maintained in courts of the State of California for the County of San Diego.

SECTION 4 - CONTROL OF MATERIALS

4-1.3.5 Special Inspection. To the "WHITEBOOK", ADD the following:

5. The payment for special inspection Work specified under this section shall be paid in accordance with 4-1.3.4.1, "Payment".

4-1.3.6 Preapproved Materials. To the "WHITEBOOK", ADD the following:

3. You shall submit in writing a list of all products to be incorporated in the Work that are on the AML.
4. All bid items designated with an asterisk next to them must be constructed with materials that have a SDG&E stock number. If materials are to be used that are not on the SDG&E AML, they must be submitted to SDG&E for review in order to obtain a SDG&E stock number.

4-1.6 Trade Names or Equals. To the "WHITEBOOK", ADD the following:

11. You shall submit your list of proposed substitutions for an "equal" item **no less than 15 Working Days prior to the Bid due date** and on the City's Product Submittal Form available at:

<http://www.sandiego.gov/publicworks/edocref/index.shtml>

SECTION 5 - UTILITIES

5-2 PROTECTION. To the "WHITEBOOK", Item 2, ADD the following:

- g) Refer to Appendix "G" for more information on the protection of AMI devices.

5-6 COOPERATION. To the "GREENBOOK", ADD the following:

1. Notify SDG&E at least **40 Working Days** prior to excavating within 10 feet of SDG&E Underground High Voltage Transmission Power Lines (69 KV and higher).

ADD:

5-8 UNDERGROUND UTILITY CONVERSION WORK.

1. See Technical Specifications for requirements.
2. Service laterals are to be installed using trenchless technology (directional boring). Hand digging may be required around existing utilities when crossing mains, laterals, and substructures. Where trenchless technology is not feasible, open cut trenching will be authorized by the City Resident Engineer.

5-8.1 Payment.

1. The payment for R/W Joint Trench Conduits Installation work including: all labor and materials for trenching, all conduit (except Communication Companies will provide their own conduit for Contractor to install), backfill, and repairs per City standards within Public Right of Way, and appurtenances per the Contract Documents (Plans and Specs) for SDG&E, AT&T, COX, and the City, shall be included in the bid item "R/W Joint Trench Conduits Installation"
2. The payment for R/W Communication Only Conduits Installation including: all labor and materials for trenching, all conduit (except Communication Companies will provide their own conduit for Contractor to install), backfill, and repairs per City standards within Public Right of Way, and appurtenances per the Contract Documents (Plans and Specs) for AT&T and COX, shall be included in the bid item "R/W Communication Only Conduits Installation"
3. The payment for SDGE Substructure and Installation includes all SDG&E substructure installation work including: all labor and materials for SDG&E substructure installation such as vaults, manholes, handholes, pull boxes, backfill, and repairs per City standards within Public Right of Way, and appurtenances per the Contract Documents (Plans and Specs) for SDG&E, shall be included in the bid item "SDGE Substructure and Installation"
4. The payment for SDGE Equipment Pad and Installation includes furnishing all SDG&E equipment pad installation work including: all labor and materials for SDG&E equipment pad installation such as pad installations, backfill, and repairs per City standards within Public Right of Way, and appurtenances per the Contract Documents (Plans and Specs) for SDG&E, shall be included in the bid item "SDGE Equipment Pad and Installation"
5. The payment for Communication Substructure Installation including: all labor and materials for Communication substructure installation such as vaults, manholes, handholes, pull boxes, backfill, and repairs per City standards within Public Right of Way, and appurtenances per the Contract

Documents (Plans and Specs) for AT&T and COX, shall be included in the bid item "Communication Substructure Installation"

6. The payment for Private Property Conversion Work including: Customer service trenching and conduit work (service laterals) from the City Right of Way to customer's meter panel including all labor and materials for trenching in all soil types, all conduit (except Communication Companies will provide their own conduit for Contractor to install), pull boxes, junction boxes, pull cans, backfill, and repairs per City standards within the City Right of Way and customer's property. This includes any work needed to complete the work on all property types including, but is not limited to, residential, commercial, multi-dwelling, and retail properties of any size.

Any portion of properties effected by the work must be restored to pre-construction condition. This includes the restoration or replacement of existing:

- Walls, retaining and non-retaining
- Fencing, any material
- Handrails, any material
- Gravel, decorative and non-decorative
- Rocks, decorative and non-decorative
- Soil and Sands, decorative and non-decorative
- Pavers and Bricks
- Landscaping, native and non-native
- Irrigation system and its components
- Planter boxes, any size
- Trees and Shrubs, native or non-native
- Lights and light posts
- Stairs, any material
- Driveways, decorative and non-decorative
- Walkways and sidewalk, decorative and non-decorative
- Curbs
- Asphalt pavement, and appurtenances per the Contract Documents.

Customer paneling (Direct Connect, Meter Adapter, Loop & Bond, and Extended Loop and Bond) and grounding. Includes all labor and materials, including the installation of electrical cable from SDG&E first demarcation point to the customer meter, and appurtenances per the Contract Documents (Plans and Specs) for SDG&E.

All labor and materials for permits and appurtenances for inspecting panel installations.

All labor and materials for public notifications, service customers' door hangers, public meetings, and appurtenances shall be included in the bid item "Private Property Conversion Work"

7. The payment for Joint Meet and Cutover includes all labor and material for coordination with SDG&E and the City, splicing, and installing final customer service connections, and appurtenances per the Contract Documents (Plans and Specs), shall be included in the bid item "Joint Meet and Cutover"

SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

6-1.2.1 Construction Phasing. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

Work Sequence.

A. Trench and Conduit (Contractor on Site) - 390 Working Days

Work shall consist of all trench and conduit installation work for both public and private properties, The Contractor will need to demobilize once SDG&E has provided the Resident Engineer with the Final Acceptance letter of the Work.

B. Utility Moratorium (SDG&E/Communication Work) - 260 Working Days

No work will be done by The Contractor during this utility moratorium. SDG&E and communication companies will provide the City with 40 working days' notice before completion of this Work so that the City can notify The Contractor to prepare to remobilize.

C. CIP Work and Cutovers (Contractor on Site) - 390 Working Days

The Contractor shall not proceed with scheduled Work unless the City has issued a separate NTP to remobilize. The Contractor shall be available for customer cut overs, along with beginning the installation of street lights and curb ramps. Any curb ramps or street lights in conflict with existing utility poles/lines will be installed once utility poles/lines are removed by responsible utility company.

ADD:

6-3.2.1.1 Environmental Document.

1. The City of San Diego, has prepared a **Notice of Exemption** for **FY 2012 Underground Utility District, Project Location- Specific: Residential Block, 7G2, (Block 7G2 UUP) Project No. 299805 (B-15085/IO 21003598)** as referenced in the Contract Appendix. You shall comply with all requirements of the **Notice of Exemption** as set forth in **Appendix A**.

2. Compliance with the City's environmental document shall be included in the Contract Price.

SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR

7-3 INSURANCE. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

7-3 INSURANCE.

1. The insurance provisions herein shall not be construed to limit your indemnity obligations contained in the Contract.

7-3.1 Policies and Procedures.

1. You shall procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.
2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.
3. You shall maintain this Insurance for the duration of this Contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this Contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this Contract.
4. The payment for insurance shall be included in the Contract Price as bid by you. Except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any Work under this Contract until you have provided and the City has approved all required insurance.
5. Policies of insurance shall provide that the City is entitled to 30 Days (10 Days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

7-3.2 Types of Insurance.

7-3.2.1 Commercial General Liability Insurance.

1. Commercial General Liability Insurance shall be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.
2. The policy shall cover liability arising from premises and operations, XCU (explosions, underground, and collapse), independent contractors, products/completed operations, personal injury and advertising injury, bodily injury, property damage, and liability assumed under an insured's contract (including the tort liability of another assumed in a business contract).
3. There shall be no endorsement or modification limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. You shall maintain the same or equivalent insurance for at least 10 years following completion of the Work.
4. All costs of defense shall be outside the policy limits. Policy coverage shall be in liability limits of not less than the following:

<u>General Annual Aggregate Limit</u>	<u>Limits of Liability</u>
Other than Products/Completed Operations	\$2,000,000
Products/Completed Operations Aggregate Limit	\$2,000,000
Personal Injury Limit	\$1,000,000
Each Occurrence	\$1,000,000

7-3.2.2 Commercial Automobile Liability Insurance.

1. You shall provide a policy or policies of Commercial Automobile Liability Insurance written on the current version of the ISO form CA 00 01 12 90 or later version or equivalent form providing coverage at least as broad in the amount of \$1,000,000 combined single limit per accident, covering bodily injury and property damage for owned, non-owned, and hired automobiles ("Any Auto").
2. All costs of defense shall be outside the limits of the policy.

7-3.3 Rating Requirements. Except for the State Compensation Insurance Fund, all insurance required by this Contract as described herein shall be carried only by responsible insurance companies with a rating of, or equivalent to, at least "A-, VI" by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

7-3.3.1 Non-Admitted Carriers. The City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State and is included on the List of Approved Surplus Lines Insurers (LASLI list).

All policies of insurance carried by non-admitted carriers shall be subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

7-3.4 Evidence of Insurance. Furnish to the City documents e.g., certificates of insurance and endorsements evidencing the insurance required herein, and furnish renewal documentation prior to expiration of this insurance. Each required document shall be signed by the insurer or a person authorized by the insurer to bind coverage on its behalf. We reserve the right to require complete, certified copies of all insurance policies required herein.

7-3.5 Policy Endorsements.

7-3.5.1 Commercial General Liability Insurance.

7-3.5.1.1 Additional Insured.

1. You shall provide at your expense policy endorsement written on the current version of the ISO Occurrence form CG 20 10 11 85 or an equivalent form providing coverage at least as broad.
2. To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.
3. The additional insured coverage for projects for which the Engineer's Estimate is \$1,000,000 or more shall include liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products,
 - c) your Work, e.g., your completed operations performed by you or on your behalf, or
 - d) premises owned, leased, controlled, or used by you.
4. The additional insured coverage for projects for which the Engineer's Estimate is less than \$1,000,000 shall include liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products, or
 - c) premises owned, leased, controlled, or used by you.

7-3.5.1.2 Primary and Non-Contributory Coverage. The policy shall be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and

representatives. Further, it shall provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

7-3.5.1.3 Project General Aggregate Limit. The policy or policies shall be endorsed to provide a Designated Construction Project General Aggregate Limit that will apply only to the Work. Only claims payments which arise from the Work shall reduce the Designated Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit shall be in addition to the aggregate limit provided for the products-completed operations hazard.

7-3.5.2 Commercial Automobile Liability Insurance.

7-3.5.2.1 Additional Insured. Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This endorsement is limited to the obligations permitted by California Insurance Code §11580.04.

7-3.6 Deductibles and Self-Insured Retentions. You shall pay for all deductibles and self-insured retentions. You shall disclose deductibles and self-insured retentions to the City at the time the evidence of insurance is provided.

7-3.7 Reservation of Rights. The City reserves the right, from time to time, to review your insurance coverage, limits, deductibles and self-insured retentions to determine if they are acceptable to the City. The City will reimburse you, without overhead, profit, or any other markup, for the cost of additional premium for any coverage requested by the Engineer but not required by this Contract.

7-3.8 Notice of Changes to Insurance. You shall notify the City 30 Days prior to any material change to the policies of insurance provided under this Contract.

7-3.9 Excess Insurance. Policies providing excess coverage shall follow the form of the primary policy or policies e.g., all endorsements.

7-3.10 Architects and Engineers Professional Insurance (Errors and Omissions Insurance).

1. For Contracts with required engineering services (e.g., Design-Build, preparation of engineered Traffic Control Plans (TCP), and etc) by you, you shall keep or require all of your employees or Subcontractors, who provide professional engineering services under this contract, Professional Liability coverage with a limit of **\$1,000,000** per claim and **\$2,000,000** annual aggregate in full force and effect.

2. You shall ensure the following:
 - a) The policy retroactive date is on or before the date of commencement of the Project.
 - b) The policy will be maintained in force for a period of 3 years after completion of the Project or termination of this Contract, whichever occurs last. You agree that for the time period specified above, there will be no changes or endorsements to the policy that affect the specified coverage.
3. If professional engineering services are to be provided solely by the Subcontractor, you shall:
 - a) Certify this to the City in writing and
 - b) Agree in writing to require the Subcontractor to procure Professional Liability coverage in accordance with the requirements set forth above.

7-4 NOT USED. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

7-4 WORKERS' COMPENSATION INSURANCE AND EMPLOYERS LIABILITY INSURANCE.

1. In accordance with the provisions of §3700 of the California Labor Code, you shall provide at your expense Workers' Compensation Insurance and Employers Liability Insurance to protect you against all claims under applicable state workers compensation laws. The City, its elected officials, and employees will not be responsible for any claims in law or equity occasioned by your failure to comply with the requirements of this section.
2. Limits for this insurance shall be not less than the following:

<u>Workers' Compensation</u>	<u>Statutory Employers Liability</u>
Bodily Injury by Accident	\$1,000,000 each accident
Bodily Injury by Disease	\$1,000,000 each employee
Bodily Injury by Disease	\$1,000,000 policy limit

3. By signing and returning the Contract you certify that you are aware of the provisions of §3700 of the Labor Code which requires every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code and you shall comply with such provisions before commencing the Work as required by §1861 of the California Labor Code.

7-4.1. Waiver of Subrogation. The policy or policies shall be endorsed to provide that the insurer will waive all rights of subrogation against the City and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from Work performed by the Named Insured for the City.

7-8.6 Water Pollution Control. To the "WHITEBOOK", ADD the following:

6. Based on a preliminary assessment by the City, this Contract is subject to SWPPP.

7-17 NEWSLETTER. To the "WHITEBOOK", ADD the following:

2. You shall provide the following information:
 - a) Active Work Blocks
 - b) Block Work Sequence and Timeline
 - c) Percent Completion

ADD:

7-16.1.3 Weekly Updates Recipients.

1. Submit a weekly correspondence with updates, traffic control issues and locations, lane closures, and any other pertinent information (with additional contact names given during award process) to the following recipients:

Dayue Zhang, Senior Engineer, DZhang@sandiego.gov

Zach Barhoumi, Project Engineer, BarhoumiZ@sandiego.gov

Resident Engineer, TBA, XXX@sandiego.gov

7-16.3 Exclusive Community Liaison Services. To the "WHITEBOOK", ADD the following:

2. You shall retain an Exclusive Community Liaison for the Project that shall implement Work in accordance with the specifications described in 7-16.2 "Community Outreach Services" and 7-16.3 "Exclusive Community Liaison Services".

7-20 ELECTRONIC COMMUNICATION. To the "WHITEBOOK", ADD the following:

2. Virtual Project Manager shall be used on this Contract.

7-21.1 General. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. During the construction phase of projects, the minimum waste management reduction goal is 90% of the Inert material (a material not subject to decomposition such as concrete, asphalt, brick, rock, block, dirt, metal, glass, and etc.) and 65% of the remaining project waste. You shall provide appropriate documentation, including a Waste Management Form attached as an appendix, and evidence of recycling and reuse of materials to meet the waste reduction goals specified.

SECTION 9 - MEASUREMENT AND PAYMENT

ADD:

9-3.4. Mobilization. To the "WHITEBOOK", ADD the following:

3. There will be two phases of Mobilization:
 - a. After all trench work has been completed and accepted by the City, you shall demobilize.
 - b. Once the City Resident Engineer receives confirmation from SDG&E that the cabling phase of work has been completed by SDG&E, you shall remobilize to complete remaining Work.

9-3.4.1 Payment. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE the following:

1. The Bid item for "Mobilization", shall be payment for the first mobilization Work and shall be distributed equally over the first 2 progress payments up to the bid amount of the "Mobilization" Bid item.
2. The complete dismantling and removal of all of your properties, temporary facilities, equipment, materials, construction wastes, and personnel at the Site referred to as demobilization is included in the payment for mobilization.
3. The Bid item for "Mobilization II" shall be payment for the second mobilization Work shall be distributed equally over the 2 progress payments after the second mobilization up to the bid amount of the "Mobilization II" Bid item.
4. The Bid items for "Mobilization" and "Mobilization II" shall not exceed 3% of the Contract Price. If the Bid items for mobilization Work exceeds 3% of the Contract Price, any such differential amount up to the bid amount, shall be paid as a part of the Final Payment.

9-3.7 Compensation Adjustments for Price Index Fluctuations. To the "WHITEBOOK" ADD the following:

5. This Contract **is not** subject to the provisions of The "WHITEBOOK" for Compensation Adjustments for Price Index Fluctuations for paving asphalt.

SECTION 217 – BEDDING AND BACKFILL MATERIALS

217-2 General To the "GREENBOOK" ADD the following:

1. All backfill for the bid item "R/W Joint Trench Conduits Installation" shall follow City of San Diego standard drawing SDG-119 Type H backfill.

SECTION 700 – MATERIALS

700-9.1 Pedestrian Barricade. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Pedestrian barricades shall be constructed in accordance with the City of San Diego Standard Drawing SDE-103, "Pedestrian Barricade".
2. Curb ramp barricades shall be constructed in accordance with the City of San Diego Standard Drawing SDG-140, "Curb Ramp Barricade".
3. Assembly shall be commercial quality galvanized material.

SECTION 701 – CONSTRUCTION

701-2 PAYMENT. To the "WHITEBOOK", ADD the following:

19. The Payment for furnishing and installing a luminaire and adaptive control node onto a traffic signal or street light pole's luminaire mast arm, and furnishing and installing the wiring, splicing, and grounding of the luminaire back to the pull box adjacent to the pole, shall be included in the following Bid items:
 - a) "Type Y-MID LED Luminaire with Adaptive Control"
 - b) "Type Y-INT LED Luminaire with Adaptive Control"
 - c) "Type X LED Luminaire with Adaptive Control"
20. The payment for furnishing and installing (1) the pole foundation and base plate, (2) the conduit from the adjacent pull box into the pole foundation, (3) the signal or street light pole, and (4) the luminaire mast arm, shall be included in the following bid item, "Direct Burial Concrete Street Light Pole with Mast Arm"
21. The payment for trenching, furnishing, and installing of electrical conduits, pull ropes, conductors and pavement restoration of and adjacent to the trench shall be included in the following bid item, "2-Inch PVC Conduit per City Standards w/#10 Conductor"

22. The payment for furnishing, and installing HEX-AA Double-Pole Street Light Fuseholder, Fuse and Ground Rod to streetlight circuit shall be paid for in the bid item "30 AMP Fuses, Cartridges, and Ground Rod"
23. The payment for furnishing, and installing HEB-AA Single-Pole Street Light Fuseholder and Fuse to streetlight circuit shall be paid for in the bid item "10 AMP Fuses and Cartridges at Street Light"
24. The payment for furnishing and installing of pull boxes and lids, shall be included in the following Bid item, "No. 3 1/2 Pull Box"

**EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP) SECTION A – GENERAL
REQUIREMENTS**

- 4.1 Nondiscrimination in Contracting Ordinance.** To the "WHITEBOOK", subsection 4.1.1, paragraph (2), sentence (1), DELETE in its entirety and SUBSTITUTE with the following:

You shall not discriminate on the basis of race, gender, gender expression, gender identity, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring, or treatment of subcontractors, vendors, or suppliers.

END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

TECHNICAL SECIFICATIONS

TABLE OF CONTENTS

VOLUME I – TECHNICAL SPECIFICATIONS

DIVISION 01 – GENERAL REQUIREMENTS

01010	Summary of Work	1-3
01015	Document Coordination	1-5
01610	Sequence of Work	1-2

VOLUME II – UTILITY DESIGN STANDARDS (1 of 3)

1. SDG&E Electric Distribution Design Manual
2. SDG&E Electric Service Standards & Guide Manual

VOLUME III – UTILITY DESIGN STANDARDS (2 of 3)

1. SDG&E Overhead Construction Standards

VOLUME IV – UTILITY DESIGN STANDARDS (3 of 3)

1. SDG&E Underground Construction Standards
2. AT&T Communications Specifications, Standards and Details
3. Cox Communications Specifications, Standards and Details

VOLUME V – GEOTECHNICAL REPORT & SDG&E DBL DATABASE

1. Report of Geotechnical Investigation Block 7G2 Utilities Undergrounding Program City of San Diego
2. Design By Location (DBL) Database for SDG&E Utilities
3. Service Worksheet for SDG&E Utilities

VOLUME VI – CONTRACT DRAWING SETS

1. UTILITIES UNDERGROUNDING PROGRAM 20SD CONVERSION ROLANDO BLOCK 7G2 CONSOLIDATED DRAWINGS
 - a. City of San Diego project number 39685-D.
2. 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. TRENCH AND CONDUIT (19 sheets)
 - a. SDG&E project number 253568-010, Construction Order No. 2960700

VOLUME VI – CONTRACT DRAWING SETS (continued)

3. 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. ONELINE DIAGRAM (4 sheets)
 - a. SDG&E project number 253568-050, Construction Order No. 2434902
The reference drawings listed above are available for review by visiting: <https://filecloud.sandiego.gov/url/dggx8fzcbx7jaxvx>
4. 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. C&C (15 sheets)
 - a. SDG&E project number 253568-050, Construction Order No. 2434902
The reference drawings listed above are available for review by visiting: <https://filecloud.sandiego.gov/url/dggx8fzcbx7jaxvx>
5. 20SD DISTRICT 7 BLOCK 7G2-OH RFS (4 sheets)
 - a. SDG&E project number 253568-090, Construction Order No. 2434960
The reference drawings listed above are available for review by visiting: <https://filecloud.sandiego.gov/url/dggx8fzcbx7jaxvx>
6. 20SD DISTRICT 7 BLOCK 7G2-OH CP (1 sheet)
 - a. SDG&E project number 253568-030, Construction Order No. 2434900
The reference drawings listed above are available for review by visiting: <https://filecloud.sandiego.gov/url/dggx8fzcbx7jaxvx>
7. 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. TRENCH AND CONDUIT (29 sheets)
 - a. AT&T job number A00CA7W
8. ROLANDO BLK 7G2 20SD CONVERSION (14 sheets)
 - a. Cox project number 42005160000RES0075.
9. CITY OF SAN DIEGO PLANS FOR THE CONSTRUCTION OF 20SD ROLANDO BLOCK 7G2 STREETLIGHT TRENCH AND CONDUIT (18 sheets)
 - a. City project number 38631
10. CITY OF SAN DIEGO PLANS FOR THE CONSTRUCTION OF 20SD ROLANDO BLOCK 7G2 CAPITAL IMPROVEMENTS (28 sheets)
 - a. City project number 38632

**** END OF TABLE OF CONTENTS ****

VOLUME I – TECHNICAL SPECIFICATIONS

SECTION 01010 – SUMMARY OF WORK

PART 1 - GENERAL

1.1 GENERAL

- A. The WORK consists of furnishing all materials, equipment, tools, labor, and incidentals as required and intended by the Plans, Specifications, and Contract Documents to convert the existing overhead (OH) utilities into underground (UG) utilities in the Residential Block 7G2 (Block 7G2) in the City of San Diego. These utilities include, but are not limited to, City street lighting, SDG&E power, COX cable, and AT&T telecommunication.
- B. The CONTRACTOR shall provide and install all conduits (Communication Companies will provide their own conduits for the CONTRACTOR to install), pads, pull boxes, hand holes etc. as indicated on the plans. Cable shall ONLY be provided and installed at home owners' properties from the meter to SDG&E's first demarcation point via Meyers adapters, loop and bond, extended loop and bond, or direct connect. At all locations buried conduits shall be installed by the CONTRACTOR with pull ropes ONLY (with labels as appropriate) and cabling will be installed by the respective utility owners.
- C. The new underground conduits shall be placed into "Joint Trenches" and "Service Trenches" throughout Block 7G2. These combined utility trenches will be installed in accordance with the applicable SDG&E standards. Surface restoration and CIP improvements shall be performed in accordance with City of San Diego standards.

At all locations possible, and as shown in the consolidated drawing set, joint trenches and joint service trenches shall be used as the first choice.

- D. The WORK of the following sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK;
 - 1. Section 01015 – Document Coordination
 - 2. Section 01610 – Sequence of Work

1.2 WORK COVERED BY CONTRACT

- A. The WORK of this contract includes, but is not limited to, demolition, excavation, construction, installation, and testing to:
 - 1. Provide underground conduits (dry, with pull-ropes and labeled appropriately):
 - a. San Diego Gas & Electric (Furnish Approved Materials & Install)
 - b. Cox Communications (Install Utility Provided Material)
 - c. AT&T Communications (Install Utility Provided Material)
 - 2. Provide underground conduits and cables to replace OH lines for:
 - a. City of San Diego street lights
 - 3. Provide new street lights including poles, light fixtures, and other equipment as required for a complete and functional lighting system.
 - 4. Provide pull ropes, with labels, in ALL conduits installed under this project.
 - 5. Provide all hand holes, pull boxes, vaults, and other substructures as noted.

6. Provide transformer pads and other utility pads as noted.
 7. Provide Cox and AT&T service connections (stub ups) in locations acceptable to and coordinated with Cox and AT&T, as appropriate.
 - a. Cox and AT&T will provide and install their own service pedestals.
 8. Provide service connections to residential homes, apartments, businesses, and others, including connection and installation of adapters, loop and bond, direct connect, junction boxes, pull cans, EMT conduit, or other as indicated. All service cabling indicated between SDG&E's first demarcation point and meter panel shall be provided and installed by the CONTRACTOR.
 9. Provide curbs and ramps compliant with the standards of the Americans with Disabilities Act (ADA).
- B. Due to the intrusive nature of the work within residential areas, an Exclusive Community Liaison shall be provided by the CONTRACTOR; refer to WHITEBOOK section 7-16.3.
 - C. The CONTRACTOR shall bear full responsibility for the accuracy of all conduit installations in accordance with the appropriate standards and details. The CONTRACTOR shall bear responsibility for correcting work which is installed in way that results in added costs to any agency, stakeholder, or other encountered during proceeding work following the completion of WORK under this contract for 1 Year after the final acceptance issued by SDG&E.
 - D. The CONTRACTOR shall bear responsibility for providing all required and implied items as necessary to complete the work. Those costs for incidentals not explicitly stated within the documents, but required to complete the WORK, shall be incorporated into the bid and no extra monies shall be awarded during or after construction.
 - E. The City Resident Engineer is the Single Point of Contact for the Work. Any costs resulting from work performed that was directed by San Diego Gas & Electric, Cox Communications, AT&T Communications, their inspectors, or other personnel will not be compensated unless said work was approved by the City Resident Engineer prior to the work commencing.

1.3 WORK BY OTHERS

- A. The CONTRACTOR's attention is directed to the fact that certain items of work associated with the project will be performed by others. The accuracy and quality control of the CONTRACTOR's work will have direct impacts on the abilities of others to perform work as follows:
 1. The following stakeholders shall provide all materials, equipment, tools, labor, and incidentals as required and intended to install cables within the conduits installed by the CONTRACTOR by the Plans, Specifications, and Contract Documents under this project:
 - a. San Diego Gas & Electric (Up to the first demarcation point on private properties)
 - b. Cox Communications
 - c. AT&T Communications
 2. SDG&E shall provide all materials, equipment, tools, labor, and incidentals as required and intended by the Plans, Specifications, and Contract Documents to install SDG&E owned transformers and other equipment as noted.
 3. SDG&E shall provide all materials, equipment, tools, labor, and incidentals as required

and intended by the Plans, Specifications, and contract documents to remove all portions of OH service lateral cables from the residential service connections to the primary boundary cable poles.

1.4 USE OF THE CONTRACT DRAWINGS

- A. These contract drawings are intended to provide the CONTRACTOR with a consolidated and simplified overview of the total project work and details. These drawings were assembled in good faith based on information provided by SDG&E, COX, AT&T, and the City of San Diego (“utility drawings”). As such, information regarding specific details as related to each agency’s scope of work (including but not limited to items such as conduit size, material type, quantity, ADA curb ramp design, street light design, etc.) may be found within the appropriate utility provider/agency’s drawing set specific to those aspects of the WORK. Such information found within drawings specific to a particular portion of the work shall take precedence over the information found within the Consolidated Contract Drawing set.

Furthermore, construction notes found within each set of utility drawings are therefore incorporated as part of this project. However, not all notes specific to each unique portion of the work from each set of utility drawings may be shown in the consolidated drawing set. The CONTRACTOR shall carefully review all notes on all drawing sets and bear responsibility for providing a complete and accurate finished product.

- B. The CONTRACTOR shall understand that various certain standards and details specific to the project stakeholders (as listed herein) may use inconsistent terminology for identifying the responsible party for particular work items as related to this specific contract. For example, if a standard detail indicates any particular items of WORK are to be installed by “CUSTOMER” or other, the CONTRACTOR shall understand these items are to be installed by the CONTRACTOR. When such circumstances are encountered, the CONTRACTOR shall immediately notify the ENGINEER. The intent of these documents is that all items of work under this contract, except for those item specifically listed under “WORK BY OTHERS”, shall be completed by the CONTRACTOR.
- C. The CONTRACTOR shall bear responsibility for accurately interpreting and applying the different symbols, abbreviations, and other conventions found within each set of utility drawings. Not all utility-specific symbols may be shown or defined on the consolidated project drawing set.
- D. Some of the contract drawing sets and other contract documentation provided by utility owners may indicate specific lengths of conduit, cable or other. The CONTRACTOR shall understand these are NOT explicit quantities, rather they are approximations and final quantities may vary. The CONTRACTOR shall bear responsibility to properly investigate the WORK prior to bidding and to provide accurate estimates.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01015 – DOCUMENT COORDINATION

PART 1 - GENERAL

1.1 GENERAL

- A. The purpose of this specification section is to introduce the Contract Drawings. This project is comprised of no less than 5 unique Contract Drawing sets which make up portions of the WORK and, when combined, comprise the whole project. These drawings must be reviewed in their entirety and comprehended by the CONTRACTOR. A consolidated drawing set has been created in an effort to simplify the project information into a single plan set.
- B. The Contract Drawing sets provided by the agencies and/or stakeholders associated with the project, for which the CONTRACTOR is responsible to comprehend in their entirety, includes, but may not be limited to:
1. "20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. TRENCH AND CONDUIT"
 - a. SDG&E project number 253568-010, Construction Order No. 2960700
 2. "20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. ONELINE DIAGRAM"
 - a. SDG&E project number 253568-050, Construction Order No. 2434902
 3. 20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. C&C"
 - a. SDG&E project number 253568-050, Construction Order No. 2434902
 4. "20SD DISTRICT 7 BLOCK 7G2-OH RFS"
 - a. SDG&E project number 253568-090, Construction Order No. 2434960
 5. "20SD DISTRICT 7 BLOCK 7G2-OH CP"
 - a. SDG&E project number 253568-030, Construction Order No. 2434900
 6. "20SD CONVERSION ROLANDO BLK 7G2-20SD CONV. TRENCH AND CONDUIT"
 - a. AT&T Communications job number A00CA7W
 7. "ROLANDO BLK 7G2 20SD CONVERSION"
 - a. Cox project number 42005160000RES0075
 8. "CITY OF SAN DIEGO PLANS FOR THE CONSTRUCTION OF 20SD ROLANDO BLOCK 7G2 STREETLIGHT TRENCH AND CONDUIT"
 - a. City of San Diego project number 38631, includes:
 1. City streetlight conduit design
 9. "CITY OF SAN DIEGO PLANS FOR THE CONSTRUCTION OF 20SD ROLANDO BLOCK 7G2 CAPITAL IMPROVEMENTS"
 - a. City of San Diego project number 38632, includes:
 1. City street light locations
 2. Americans with Disabilities Act (ADA) compliant curb ramp improvements,

10. "UTILITIES UNDERGROUNDING PROGRAM 20SD CONVERSION ROLANDO BLOCK 7G2 CONSOLIDATED DRAWINGS"

a. City of San Diego project number 39685-D, WBS number B-15085.

1. Provided by LEE & RO, this drawing set, as indicated by the title, consolidates information from the above drawing sets into a single set.

C. At a minimum, the CONTRACTOR shall bear responsibility for compliance with, and comprehension of, those documents listed under 1.3 PRECEDENCE OF CONTRACT DOCUMENTS. The CONTRACTOR shall also bear responsibility for compliance with and comprehension of other applicable standards and details not specifically listed herein.

D. The WORK of the following sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK;

1. Section 01010 – Summary of Work

2. Section 01610 – Sequence of Work

E. The following paragraphs, as well as the entirety of this specification section, are intended to assist the CONTRACTOR in the simultaneous application of the differing specifications and standard details and drawings associated with the project stakeholders as they relate to the various work items.

1. The Scope of Work is to convert the existing overhead (OH) utility services and install the services underground in a single "joint trench" within the public right of way (City streets). The "Joint Trench" is defined as any trench that contains any number of conduits owned by more than one utility provider. Joint trench construction below grade, as well as conduit placement within the joint trench, shall comply with the SDG&E standard drawings and details for "joint trenches" which will take precedence over other drawings and details, specific to that portion of the work.

2. Service trenches provide utility connections between the main joint trench and the residents within Block. Service trenches may be for a single or multiple utilities. Service trenches, and joint service trenches for more than one utility within a single service trench, shall be installed in accordance with SDG&E standards for service trenches or joint service trenches as applicable.

3. Surface restoration and other surface improvements, including street light assembly installation, parkway/sidewalk/driveway restoration, and paving, performed within the public right of way or on private property shall adhere to the City of San Diego standard details and drawings which take precedence over other drawings and details, specific to those portions of the work, and exclusive of ADA curb ramps.

4. Curb ramp replacement shown in the contract drawings shall be installed in accordance with American's with Disabilities Act (ADA) regulations and per the applicable drawings and standard details which will take precedence over other drawings and details, specific to that portion of the work.

5. The CONTRACTOR shall be responsible for field verification of existing parkway and private property conditions prior to the start of work and shall bear responsibility to return all disturbed areas to their pre-construction condition. This may include, but not be limited to, decorative gravel, grass, concrete paved areas, etc.

1.2 RESOLVING CONFLICTS WITHIN THE CONTRACT DOCUMENTS:

- A. Where conflicts are found within the contract documents that cannot be resolved through observing the order of precedence found below, or where cost impacts are predicted due to such conflicts, the conflict shall be immediately brought to the attention of the ENGINEER. No additional monies, time, or other will be allowed for rework originating from conflicts which were not identified prior to the WORK taking place.
- B. These contract documents, which are the basis for bid, are based on those standards and details which were available at the time of issuance and are listed herein. Where standards have been updated after the release of these bid documents, the contractor shall notify the ENGINEER in writing of the discrepancy before commencing the WORK. The most current versions of those listed standards and details shall be followed at all times.

1.3 PRECEDENCE OF CONTRACT DOCUMENTS:

- A. In the event of a conflict between any of the Contract Documents, the document highest in precedence shall control. The precedence shall be as follows:
 - 1. Permits issued by jurisdictional regulatory agencies
 - 2. Change orders and/or Supplemental Agreements; whichever occurs last
 - 3. Contract or agreement
 - 4. Addenda
 - 5. Bid or proposal (i.e. exceptions to the contract)
 - 6. Special Provisions (i.e., City Supplement and Technical Specifications)
 - 7. 20SD Conversion Rolando Blk 7G2-20SD Conv. Trench and Conduit drawings for SDG&E Utilities
 - 8. 20SD Conversion Rolando Blk 7G2-20SD Conv. Oneline Diagram drawings for SDG&E Utilities
 - 9. 20SD Conversion Rolando Blk 7G2-20SD Conv. C & C drawings for SDG&E Utilities
 - 10. 20SD District 7 Block 7G2-OH RFS drawings for SDG&E Utilities
 - 11. 20SD District 7 Block 7G2-OH CP drawings for SDG&E Utilities
 - 12. 20 SD Conversion Rolando Blk 7G2-20SD Conv. Trench and Conduit drawings for AT&T Communications Utilities
 - 13. Rolando Blk 7G2 20SD Conversion drawings for Cox Communications Utilities
 - 14. City of San Diego Plans for the Construction of 20SD Rolando Block 7G2 Capital Improvement Drawings
 - 15. City of San Diego Plans for the Construction of 20SD Rolando Block 7G2 Streetlight Trench and Conduit Drawings
 - 16. Design By Location (DBL) Database and Service worksheets for SDG&E Utilities
 - 17. SDG&E Contract Documents:
 - 18. Electric Distribution and Design Manual

- b. Electric Service Standards and Guide Manual
 - c. Overhead Construction Standards
 - d. Underground Construction Standards
18. AT&T Specifications for City of San Diego Surcharge Undergrounding Projects
 19. Cox Standard Specifications
 20. Project Technical Specifications
 21. Utilities Undergrounding Program 20SD Conversion Rolando Block 7G2 Consolidated Drawings
 22. City of San Diego Specifications for Public Works Construction 2015 (WHITEBOOK)
 23. Standard Specifications for Public Works Construction 2015 (GREENBOOK)

1.4 CONSTRUCTION ACTIVITY COORDINATION

A. Joint/Service Trench Conduit Placement

Each utility provider follows unique standards and details which apply to their own utility, specifically regarding coverage and separation requirements within duct banks. Although SDG&E's requirements are the primary driver of trench construction and conduit placement, requirements specific to other utilities may also apply. When two conflicting coverage and/or separation requirements are found, the CONTRACTOR is directed to maintain the requirements which are more stringent.

The CONTRACTOR shall review all applicable requirements and shall install conduits within the joint trench such that all minimum requirements for each utility are appropriately satisfied. No additional monies will be issued where trench size must be increased in width, depth, or other due to such requirements.

The CONTRACTOR shall carefully review and comply with the submittal requirements for duct bank layout drawings which are intended to assist in identifying the proper placement for all conduits within the joint and service trenches.

B. Inspection of the work

The CONTRACTOR shall bear responsibility for pursuing inspection of the WORK from the appropriate personnel as required for each unique portion of work in a timely manner. CONTRACTOR shall coordinate with the project INSPECTOR/CONSTRUCTION MANAGER of the individual utility companies via the City Resident Engineer when scheduling or requesting inspection on any aspect of work. The CONTRACTOR shall provide ample notification to all inspecting agents in order to guarantee the project does not experience delays.

C. Notification Schedule Submittal

The CONTRACTOR is required to thoroughly review all project documentation including, but not limited to, those drawings, details, and notes provided by each unique utility owner and the City. The CONTRACTOR shall create, and submit for approval, a "Notification Schedule" that clearly identifies all utility owners and City agencies who must be notified prior to work taking place.

The notification schedule shall be created in a table format and shall include, at a minimum, the items of work being performed, the responsible agencies who require pre-work or other notification, the specific contact person for each agency who shall receive the notification (including name, title, direct phone number, and email address), the total number of days prior to

the work taking place that notification must be submitted, the specific drawing sheet/detail where the notification requirement is found, and other information pertinent to effective and clear communication between all parties involved with the project.

Where overlapping notification requirements are identified, the CONTRACTOR shall adhere to the more stringent requirements.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01610 - SEQUENCE OF WORK

PART 1 - GENERAL

1.1 GENERAL

- A. The ENGINEER has determined that a number of general construction sequence concepts must be followed in order to successfully complete the Project. These concepts are described in this section. The CONTRACTOR shall incorporate these concepts into his construction schedule and include complete details of the construction sequence that go beyond these general concepts.

1.2 RELATED SECTIONS

- A. The WORK of the following sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK.
 - 1. Section 01010 – Summary of Work
 - 2. Section 01015 – Document Coordination

1.3 PRE-CONSTRUCTION SEQUENCE CONCEPTS

- A. The CONTRACTOR shall create and submit the baseline Construction Schedule (using Primavera P6 Professional Project Management format, or equal) within 5 business days of receipt of Notice to Proceed (NTP) for review and approval by the ENGINEER. All activities shall be sequenced and tied together with appropriate logic accounting for work activities that must be performed by all parties, stakeholders, and others associated with the WORK.
- B. Public outreach throughout the project is paramount to maintaining uninterrupted project progress. The CONTRACTOR's Public Outreach Plan, as well as designation of an Exclusive Community Liaison, must be submitted immediately following project NTP.
- C. If required, City encroachment, Development Services Department (DSD) stormwater, excavation, and other applicable permits and plans required to perform the WORK must be obtained immediately following project initial NTP.
- D. Traffic Control permit must be obtained through the City of San Diego CM & FS Division. City permits will be required in order to perform subsurface utility investigations of existing utilities (pot holes) which must be performed as early as possible to avoid schedule impacts.
- E. A detailed pre-construction video of all existing conditions is critical to documenting and restoring the neighborhood to its original conditions. The CONTRACTOR shall schedule this activity to take place within 1 week of project NTP.
- F. The project involves installing many conduits for different utility providers. As such, the resulting project includes many areas where duct banks in joint and/or service trenches require installation of numerous conduits of varying sizes. To provide an added layer of quality control, the CONTRACTOR shall submit duct bank layout drawings that clearly identify the quantity of conduit, conduit sizes, separation dimensions, coverage dimensions, total trench depth, and other

information needed to complete the work for each unique location along the joint and service trenches. This requirement does not relieve the CONTRACTOR from bearing ultimate responsibility for providing complete and accurate WORK.

1.4 CONSTRUCTION SEQUENCE CONCEPTS

- A. The general sequence of work activities following subsurface utility investigations involves excavating the joint and service trenches, placing conduit, backfilling trenches, installing City light posts, restoring pavement and other surface features, installing ADA curbs and ramps, and making connections at individual residential homes and buildings. Specific responsibilities and details are identified within the Contract Documents. The CONTRACTOR shall 'batch' these work activities together for segments of the overall project so as to avoid excessive open trench lengths and unfinished work.
- B. The CONTRACTOR will inadvertently cross City-owned and other utilities. These utility crossings will require careful consideration by the CONTRACTOR in order to maintain proper coverage and separation requirements.
- C. Several activities will require joint efforts between the CONTRACTOR and SDG&E crews. These activities include, but may not be limited to, the following:
 - a. Splicing and installing final service connections.

The CONTRACTOR shall clearly identify such activities on the construction schedule and shall lead coordination meetings with the City and SDG&E to ensure proper work sequencing efforts and schedule coordination to avoid delays in the overall project schedule.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

**** END OF SECTION ****

VOLUME II – UTILITY DESIGN STANDARDS (1 of 3)

1. SDG&E Electric Distribution Design Manual

<http://regarchive.sdge.com/builderservices/servicestandards/elecdistdesign/index.shtml>

2. SDG&E Electric Service Standards and Guides Manual

http://regarchive.sdge.com/builderservices/servicestandards/electricStandards_manual.shtml

VOLUME III – UTILTY DESIGN STANDARDS (2 of 3)

1. SDG&E Overhead Construction Standards

<http://regarchive.sdge.com/builderservices/servicestandards/conststandardsoh/index.shtml>

VOLUME IV – UTILITY DESIGN STANDARDS (3 of 3)

1. SDG&E Underground Construction Standards

<http://regarchive.sdge.com/builderservices/servicestandards/conststandardsug/index.shtml>



AT&T Specifications

City of San Diego Surcharge Undergrounding Projects

Please Note:

This document is intended to provide a basic guide for Contractors who will be performing trenching and material placement for the City of San Diego Surcharge Undergrounding Projects. It is not intended to provide complete list of AT&T requirements.

Table of Contents

General Construction Requirements	3
Trenching	5
Conduit	7
Closures	9
Pedestal closures	9
Hand-holes	9
Manholes	12
Main AT&T requirements	12
Intercept type manholes	13
Manhole conduit terminations	13
Manhole stepping and ladder measurements	13
Restoration Procedures and Conditions	15

General Construction Requirements

- Contractor will contact AT&T **four (4) business days** prior to the start of any work in the field associated with the project.
- Contractor will verify the location of existing AT&T and all other utility substructures and buried facilities prior to doing any digging work. Underground Service Alert (USA) will require at least **two (2) business days** notice prior to performing any excavation work.

Underground Service Alert:

North 1-800-227-2600
South 1-800-422-4133

- Contractor needs to ensure that they are knowledgeable and clear regarding the "scope of the work" associated with the AT&T portion of the project.
- Contractor will ensure that proper and qualified supervision is on the job at all times.
- Contractor will be required to maintain good coordination between all personnel working on the project. It is imperative the Contractor maintain good communication between their employees and the residence in the area of the project. This is especially important when performing any work on any customer's private property.
- Contractor will perform all excavations as required in order to place all substructure and associated material in accordance to AT&T drawings. All work will meet AT&T specifications.
- Contractor will get authorization for any design changes from AT&T prior to implementing the change. The Contractor will contact the designated AT&T Contract Administrator or Inspector to resolve any work change issues.
- Contractor will establish and conduct with AT&T periodic field inspections as the job progresses. AT&T will be provided as much advance notice as possible on these dates. AT&T will also conduct inspections throughout the project.

- Contractor is responsible for all costs associated with any repairs, replacement or relocation made necessary by damage to AT&T facilities as results of conducting any work associated with the project.
- All AT&T facilities placed by the Contractor will meet AT&T specifications. The job will not be "passed" by AT&T until a "final inspection" has been conducted by an AT&T representative.
- Contractor will provide 4 copies of "As Builts" drawings with all footages and/or wall-to-wall measurements noted on them. AT&T will be provided this information upon completion of the conduit work associated with the job.

Trenching

- In a joint trench, minimum radial clearance must be at least one (1) foot from all other trench occupants per C.P.U.C. Order 128 unless there is a prior signed agreement with AT&T.
- Bends, sweeps or grade changes that have a radius of 80 feet or less or a grade change of 20% or more must be encased in 2500 PSI concrete per AT&T standards. The aggregate can be no larger than 3/8 inch, preferably 1/4 inch.

Note:

No calcium chloride (C.C.) will ever be in any concrete that comes into contact with any AT&T conduit.

- All AT&T substructures must have a minimum trench cover from final grade (24" in most cases) that meets both the governing agency requirements and C.P.U.C. GO 128 requirements. All AT&T customer service conduits will have at least 18 inches of cover from final grade.
- All AT&T 4" conduits will be at least 2" from the sidewalls of the trench and have at least 1" in between each 4" conduit. Additionally, if AT&T 4" conduits must be "stacked" onto each other at least 1" of compacted fine soil will be placed between each vertical layer. The Contractor will supply and use proper spacers as required.
- All trench backfill material must be a minimum Class B and compacted in accordance with the governing agencies specifications. Any trench that only has AT&T conduit in it will have at least 1 inch of compacted fine soil (import) in the bottom on the trench prior to any conduit being placed. Additionally, at least 12 inches of fine soil (import) will be placed over the AT&T duct structure. Final restoration of trench will meet the governing agency requirements and C.P.U.C. Order 128.
- Contractor will place "warning tape" 12 inches below final grade in all trench occupied by AT&T facilities.
- Contractor will ensure that proper shoring is utilized per CAL-OSHA standards and practices.

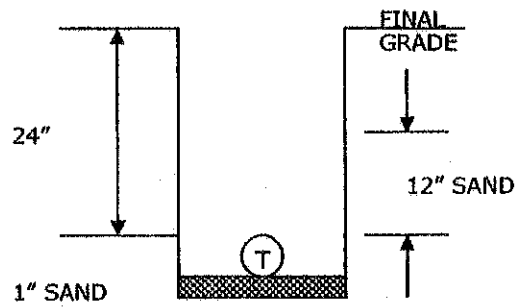


FIG. 1
TELCO ONLY TRENCH CROSS SECTION

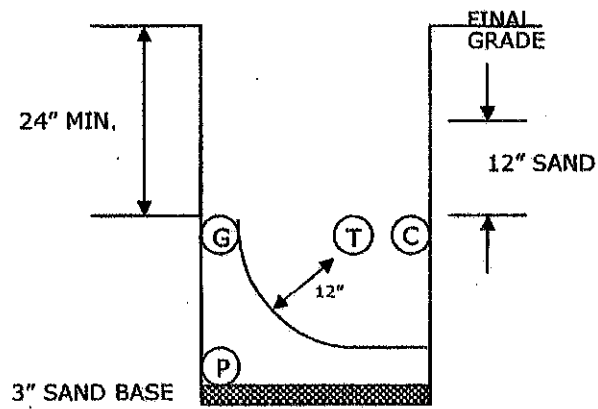


FIG. 2
JOINT TRENCH CROSS SECTION

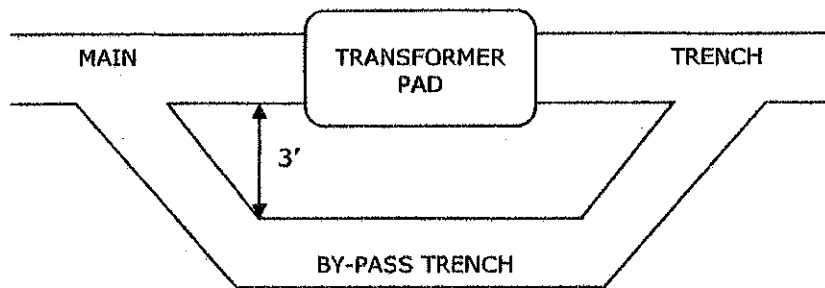
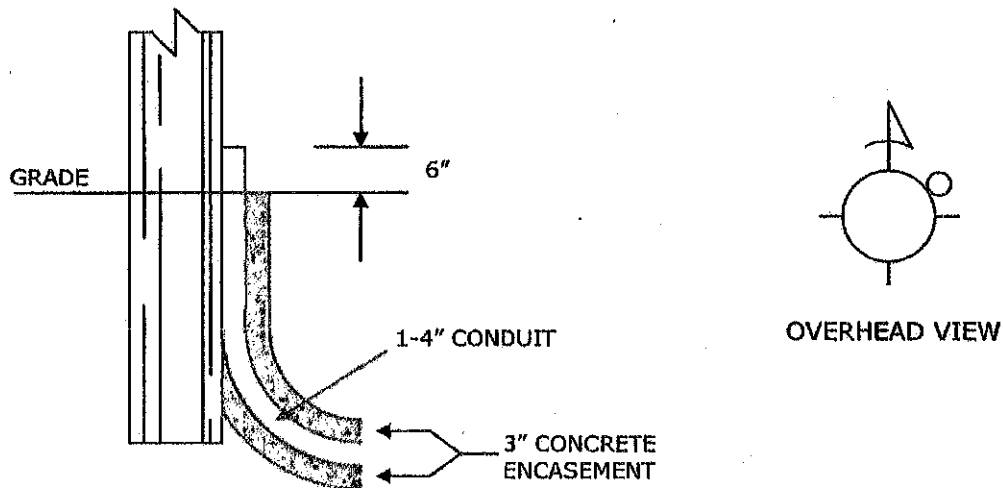


FIG. 3
TRANSFORMER BY-BASS TRENCH

Conduit

- Conduit placed for AT&T must be for its exclusive use. AT&T will not occupy the same conduit with any other utilities or foreign cable/communication systems. AT&T may refuse to occupy conduit that deviates from AT&T plans and specifications. AT&T will specify the number and size (type) of conduits for each project.
- AT&T Conduit Requirements:
 - Four inch (4") conduit must be Type "C" White AT&T stamped conduit
 - Two inch (2") conduit must be Type "DB-120" conduit
 - All exposed 90 degree sweeps/conduit (pole riser or building) will be Schedule 40 or E-bends and UV protected for 4" conduits.
 - 90 degree sweeps (poles riser or building) for 2" conduit will be Schedule 40 and also UV protected.
 - The **minimum sweep** for 4 inch conduit is three foot (3') on a 90 degree radius.
 - A **maximum** of two (2) 90 degree bends will be installed per each section placed.
- All conduits will have rope placed in them to enable AT&T to place its cable.
- Contractor will use (3/8") minimum polypropylene pull rope or equivalent strength polyester woven mule tape. The rope must be installed in all conduits from its originating point to the other end. **All pulling ropes will be tied to black plastic conduit duct plugs** and then the plugs will be placed in conduit end. **Duct tape will not be acceptable to plug conduit.**
- When any size conduit is being terminated in a manhole, a minimum of five feet (5') of straight conduit will be run from the outside wall at the termination point before ANY radiuses are made.

- All conduits at pole risers and building will be 6" above final grade and flush against the surface. A "securing strap" will be placed over the conduit, 2" down from the top of the riser. The inside radius of the riser will be encased in at least 3" of 2500 PSI cement.
- On any conduit that is placed from any type of AT&T closure to the inside of a building/structure, an expandable rubber plug will be provided and placed by the Contractor in the conduit at the closure to avoid any water intrusion inside the building.
- Electric Markers (EM) for Telco will be placed at all "stub-out" locations and the conduit will be capped at the end. The markers will be supplied by AT&T.



1. MAINTAIN 3" SEPARATION FROM OTHER UTILITIES ON POLE.
2. PLACE WEATHERPROOF CAP ON END OF CONDUIT.
3. STRAP CONDUIT TO POLE ABOVE GROUND LINE. CONDUIT MUST BE VERTICAL TO POLE AT GROUND LEVEL. CONDUITS NOT TOUCHING POLE OR ANGLING INTO POLE ARE NOT ACCEPTABLE.
4. IF NOT INDICATED ON DRAWING, VERIFY POLE QUADRANT WITH TELCO INSPECTOR.

FIG. 4
CONDUIT TERMINATION AT POLE

Closures

- All closures placed by the Contractor will be AT&T approved and when placed will meet all manufacturer's specifications. Manufacturer instructions come with each closure.

Pedestal closures:

- All conduits placed inside "Charles" closures (CPLS and CMPH) will be level and at a height of 5" below the "top lip" of the closure once the cover has been removed.
- At all locations where a closure is being placed for AT&T that are within 10' of a power transformer, an 8' ground rod will be placed inside the closure. The Contractor will then terminate a #6 size gray colored jacketed ground wire (using a "peanut-clamp") on the ground rod and leave a 2 foot long tail of ground wire. It's imperative that this work operation be performed by the Contractor at all these locations.

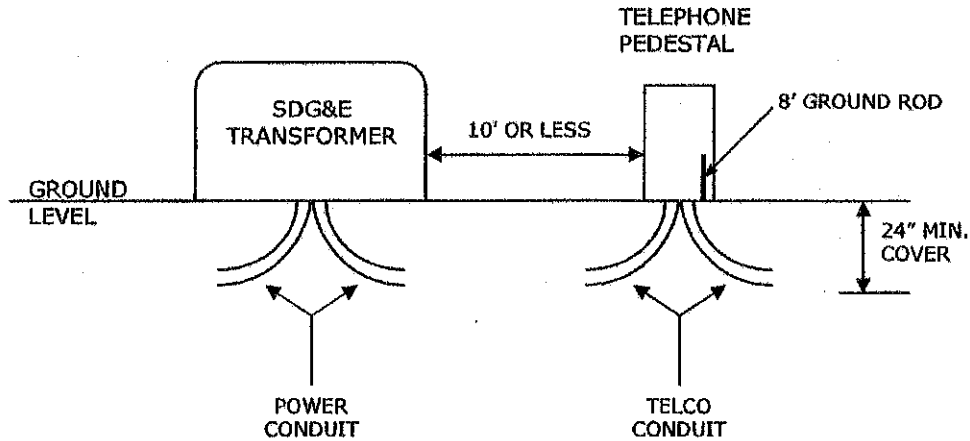
Gravel level:

- After the conduits have been placed and capped, the Contractor will place 3/8" gravel in all CPLS and CMPH closures. The gravel level will be up to 2" below the top of the conduits.
- When conduits are placed into a pedestal closure, they will be placed/banded together in a manner so that the **MAXIMUM** number will fit. This is imperative so that additional conduits can be run into the pedestal for future growth.

Hand-holes:

- Hand-holes that have "knock-outs" on each end wall will be used to terminate the 4" conduits. The Contractor **will not** terminate any conduit in the side-walls of any hand-hole unless AT&T has provided prior approval. Conduits will be flush with the walls of the handhold and properly sealed.
- Hand-holes will always be level with the final grade. The cover will be "traffic approved" when placed anywhere other than in a "parkway" area that receives only "foot traffic".

- All 4" conduits that have 90 degree sweeps going up will have **at least 3"** of concrete covering the inside of the radius. The concrete mix will meet 2500 PSI (¼ or less aggregate) type cement. This will ensure that if the rope "burns" through the conduit while pulling cables through it, the conduit will be "backed-up" by the concrete. It is imperative that this work operation be performed by the Contractor at all locations.



1. CONTRACTOR TO PROVIDE NOT LESS THAN #6 SOLID AWG GROUND WIRE AND 8' GROUND ROD INSIDE TELCO CLOSURE

FIG. 5
TYPICAL TRANSFORMER / PEDESTAL CONFIGURATION

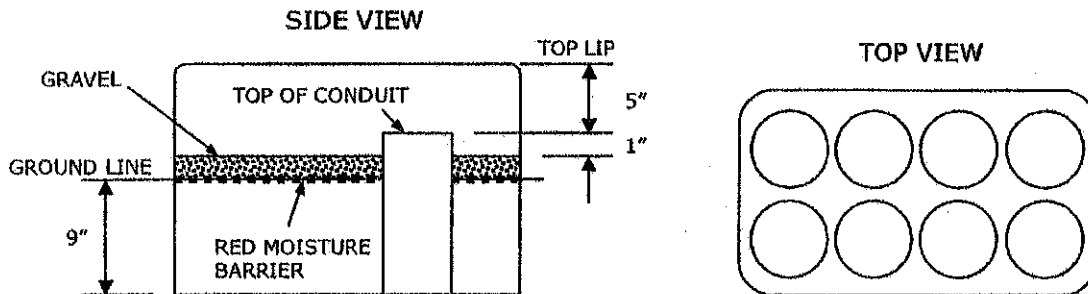


FIG. 6
CMPH DUCT CONFIGURATION

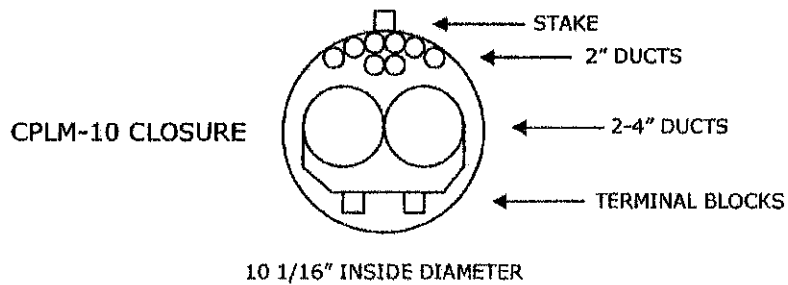
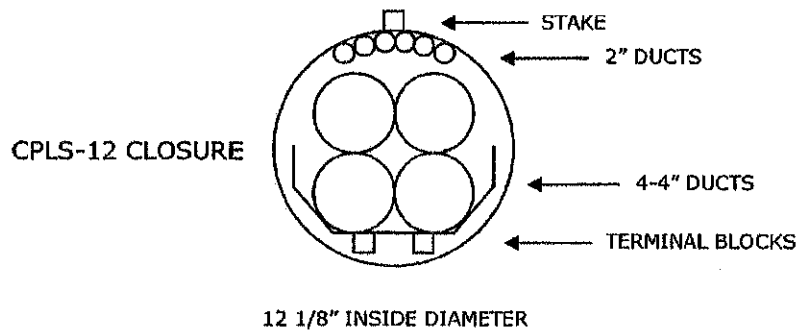
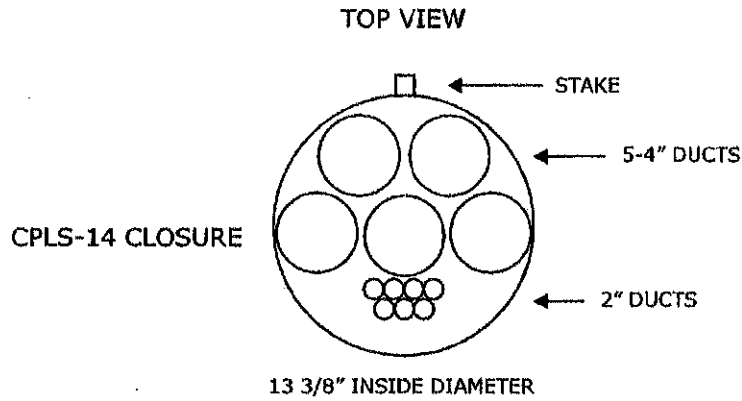
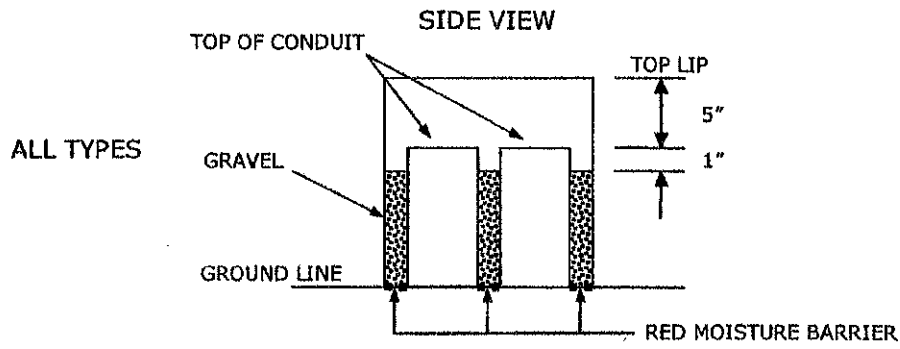


FIG. 7
CPL DUCT CONFIGURATION

Manholes

- All manholes placed by the Contractor will be approved for AT&T use. All manholes will have "pulling eyes" at each end wall.
- The Contractor will coordinate the pickup, delivery and setting of all manholes associated with the project.
- Placement of manholes will meet all specifications of both the manufacture and AT&T standards.
- No person will be in any excavated area/hole where a manhole is going to be placed without the proper shoring in place per CAL-OSHA standards and practices.

Main AT&T requirements:

- At least 6" of gravel ($\frac{3}{4}$ " aggregate maximum) will be placed under all manholes prior to placement.
- The manhole will be level and this measurement will be performed by the Contractor at the top of the manhole. Manhole floors are not always level.
- Surry will be used to backfill around all manholes.
- The manhole roof will always have at least 2' of cover from final grade. The manholes have been designed to be installed with from 2 to 5 feet of cover over the roof. The interior surface of the manhole floor must be no more that 15 feet below final grade.
- The Contractor will ensure that all associated racking, bonding/grounding ribbon and the proper size "hook ladder" is installed in each manhole. Completed manholes will be free of all debris in them.

- All manholes will have both the **manhole number** and **inside cubic feet** placed on them by the Contractor at 2 locations. They are as follows:
 - Die stamped ($\frac{1}{2}$ " minimum size) in the manhole cover frame per AT&T specifications
 - Affixed to the manhole neck with tags provided by AT&T
- Stepping will also be placed in the manhole neck in accordance with AT&T specifications. Steps will not exceed 6" out from the manhole's neck wall. The steps will always be placed on the side of the manhole so that the worker when descending is facing on-coming traffic. This is done for safety.
- All conduits terminated in the manhole will be flush with the walls and properly mortared/sealed. Conduits will also be terminated using the bottom knockouts or terminators first and then working upward as required.

Intercept type manholes:

- The end-walls of all intercept manholes will be properly finished and sealed with concrete that is 4000 PSI ($\frac{3}{4}$ " aggregate maximum). After the forms have been pulled, any imperfections will be grouted and have a smooth finish. The end-walls will then be painted white.

Manhole conduit terminations:

- All Conduits terminating at the wall of any AT&T manhole will have at least **five feet (5')** of conduit which runs straight out from the outside end wall. The Contractor can then transition with the appropriate bends that may be called for on the job drawing.

Manhole stepping and ladder measurements:

- All new manholes, unless otherwise specified on the work prints, shall be equipped with manhole racking, bonding ribbons, manhole steps, 12' sump, and hooked type ladders. This material will be installed by the Contractor as part of the bid.

- The first manhole step shall be placed on the top surface of the roof of the manhole. Each additional step will be placed at 12 inch (12") intervals, using 12-inch or a combination of 6 inch and 3 inch precast grade rings. When the cover over the roof is 24 inches or more, additional steps are placed at 12 inch intervals. **Steps will not exceed 6 inches from center of step to the side of manhole wall.**

Note:

Whenever the manhole roof is more than 24 inches from manhole cover, the distance from the manhole cover to the first step is not to exceed 17 inches and will not be less than 6 inches at any time.

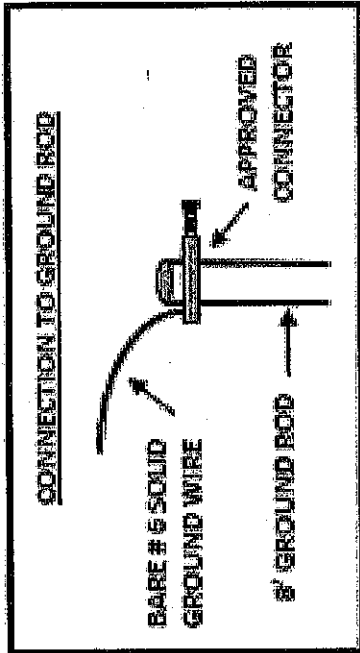
- The proper size ladder will be installed by the Contractor based on the stepping configuration above. Ladders lengths will be from 6 ½ to 18 feet long.

Restoration Procedures and Conditions

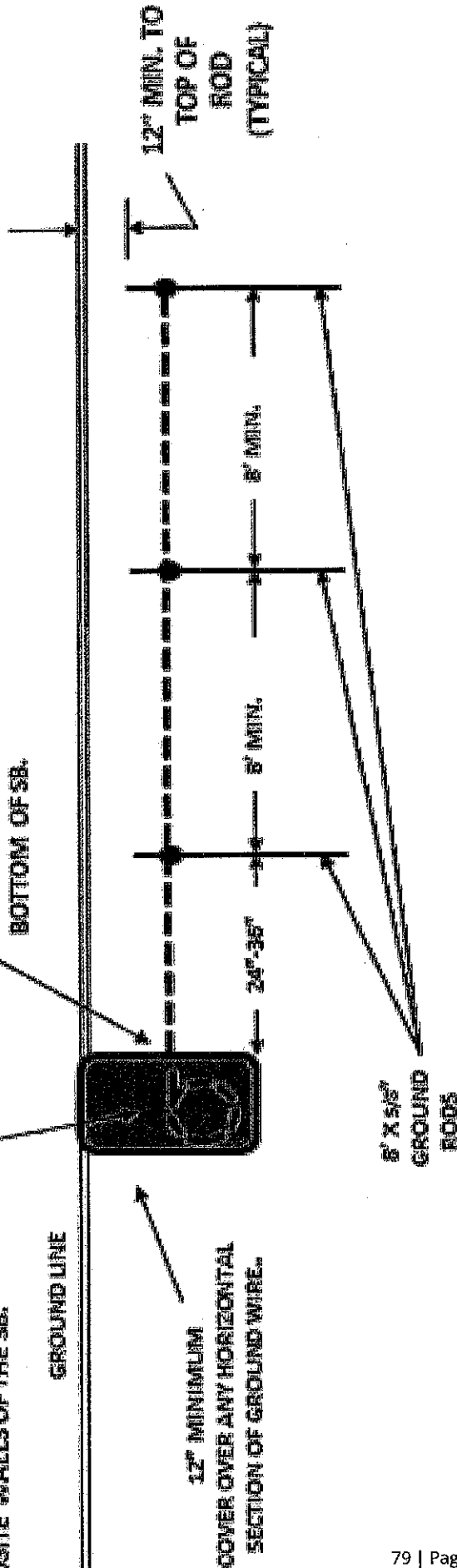
- All areas where any type of excavation is required (to place any type of AT&T material regardless if it is above or below ground) the entire area up to and including the surface will be restored to better or original condition as required. All restoration will also meet all municipal code standards.

FIRST GROUND ROD TO BE PLACED NO CLOSER THAN 24" AND NO FURTHER THAN 36" TO/FROM AND SURFACE OF THE POLE. SECOND AND THIRD GROUND RODS ARE TO BE SEPARATED BY AT LEAST 8 FEET FROM EACH OTHER AND FROM THE FIRST GROUND ROD.
THE TOP OF EACH GROUND ROD IS TO BE AT LEAST 12" BELOW FINAL GRADE AT THE ROD LOCATION. USE 5/8" DIAMETER, COPPER CLAD, STEEL GROUND ROD - 96" LONG.

LOOP #5 AWG BARE SOLID COPPER GROUND WIRE THRU THE CLAMPS AT EACH GROUND ROD - DO NOT CUT WIRE. ROUTE WIRE FROM CLOSEST ROD INSIDE SB, WRAPPING THE SB ONE TIME, MAKING AN APPEARANCE ON 2 OPPOSITE WALLS OF THE SB.



BARE # 6 SOLID GROUND WIRE TO ENTER THROUGH SIDE WALL OR THROUGH BOTTOM OF SB.



COX COMMUNICATIONS STANDARDS

General Construction Specifications

City / Agency contractor is required to contact Cox Communications a minimum of two (2) business days prior to the start of and field work associated with this project.

City / Agency contractor will complete all excavation required to place all Cox Communications facilities in accordance with the Cox Communications provided design. All work must meet Cox Communications specifications.

City/Agency contractor is responsible to verify that the Cox Communications provided design is current with Cox inspector and/or planner before excavation begins.

City / Agency contractor will pothole and verify all *existing* Cox Communications facilities within the project boundaries. Underground Service Alert will be notified at least two (2) business days prior to any excavation.

City / Agency contractor will contact the Cox Communications planner or inspector five (5) business days prior to any design changes being implemented in the field.

Cox Communications' inspectors will conduct independent inspections of all work to ensure it meets Cox Communications standards.

City / Agency contractor will be responsible for any cost associated with relocation or repairs of any Cox Communications facilities as a result of the work associated with the project.

City / Agency contractor will provide 2 copies of "As Built" drawings which will include footage notations. These "As-Built" copies will be provided when trenching is completed. No Cox Communications' overhead facilities or existing equipment will be removed prior to the "As-Builts" being verified.

Trenching Specifications

City / Agency contractor will place all Cox Communications conduit with radial clearances that meet or exceed C.P.U.C. General Order 128 standards.

City / Agency contractor will ensure all conduits placed for Cox Communications are at a minimum depth from final grade that meets both C.P.U.C. General Order 128 standards and the City / Agency requirements.

Conduit

All conduits placed for Cox Communications is for Cox Communications' exclusive use. Cox Communications may refuse to accept any conduits which are installed in a manner differing from the Cox Communication design.

Number of conduits and conduit sizes will be noted on Cox Communications design prints. Any change to the conduit design must be approved in writing by the Cox Communications planner or inspector.

All conduits placed for Cox Communications will be minimum Schedule 40.

90 degree sweeps will be a minimum of 24" radius sweeps.

City / Agency contractor will place pull line / pull rope provided by Cox Communications in all conduits prior to the conduit being accepted by Cox Communications.

Hand-holes

All hand-holes being placed by the agency / city contractor for Cox Communications must meet final grade specifications.

All hand-holes placed in alleys or paved areas will have a traffic rated cover. Hand-holes placed in areas with only foot traffic will be installed



Cox Cable
San Diego

ENGINEERING STANDARDS AND PRACTICES

MINIMUM OPERATING CLEARANCE
FOR CABLE TV & TELCO INSTALLATION
AT SDG&E HANDHOLE LOCATIONS

Number: 1112

Issue Date: 11-22-8

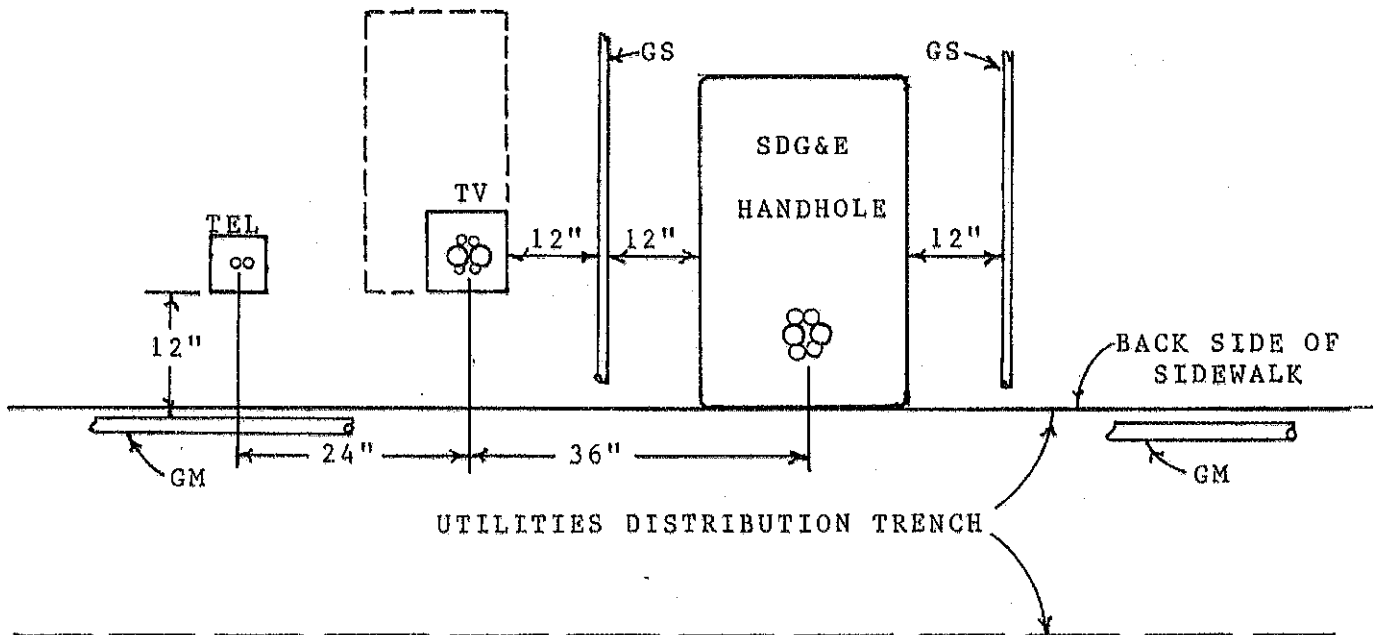
Revision:

SCOPE: THIS STANDARD SHOWS THE MINIMUM CLEARANCES FOR CABLE TV & TELCO SERVICES INSTALLED NEAR SDG&E HANDHOLE EQUIPMENT AND GAS SERVICE (GS) AND GAS MAIN (GM) SERVICE.



NOTES:

- SDG&E HANDHOLE AND CABLE TV AND TELCO LOCATIONS MAY BE REVERSED.
- CABLE TV AND TELCO LOCATIONS MAY BE REVERSED.
- MAINTAIN 12" MINIMUM HORIZONTAL SEPARATION FROM GAS MAIN AND GAS SERVICE.



SIDEWALK

PLAN



ENGINEERING STANDARDS AND PRACTICES

MINIMUM OPERATING CLEARANCE
FOR CABLE TV & TELCO INSTALLATION
AT SDG&E PADMOUNTED LOCATIONS

Number: 1113

Issue Date: 11-22-89

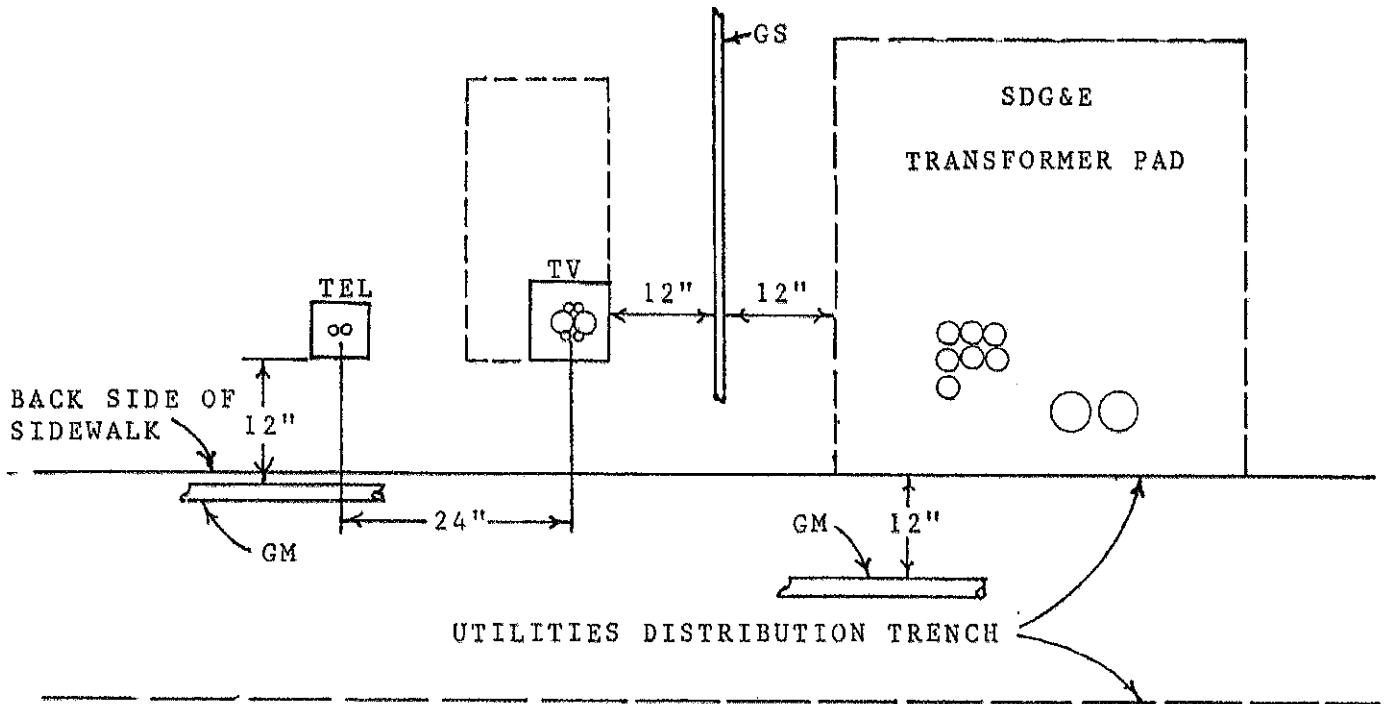
Revision:

SCOPE: THIS STANDARD SHOWS THE MINIMUM CLEARANCES FOR CABLE TV & TELCO SERVICES INSTALLED NEAR SDG&E 1Ø TRANSFORMER PAD LOCATIONS AND GAS SERVICE (GS) AND GAS MAIN (GM) SERVICE.



NOTES:

- SDG&E TRANSFORMER PAD AND CABLE TV AND TELCO LOCATIONS MAY BE REVERSED.
- CABLE TV AND TELCO LOCATIONS MAY BE REVERSED.
- MAINTAIN 12" MINIMUM HORIZONTAL SEPARATION FROM GAS MAIN AND GAS SERVICE.



SIDEWALK

PLAN

VOLUME V - GEOTECHNICAL REPORT & SDG&E DBL DATABASE)

1. REPORT OF GEOTECHNICAL INVESTIGATION BLOCK 7G2 UTILITIES
UNDERGROUNDING PROGRAM CITY OF SAN DIEGO GEOTECHNICAL REPORT
2. UTILITIES UNDERGROUNDING PROGRAM BLOCK 7G2 SDG&E DESIGN BY LOCATION
(DBL) SHEETS SDG&E DESIGN BY LOCATION (DBL) DATABASE
3. UTILITIES UNDERGROUNDING PROGRAM BLOCK 7G2 SDG&E SERVICE WORKSHEET

**REPORT OF GEOTECHNICAL INVESTIGATION
BLOCK 7G2 UTILITIES
UNDERGROUNDING PROGRAM
CITY OF SAN DIEGO**

Submitted to:

LEE & RO, INC.
10640 Scripps Ranch Boulevard, Suite 150
San Diego, CA 92131

Prepared By:

ALLIED GEOTECHNICAL ENGINEERS, INC.
9500 Cuyamaca Street, Suite 102
Santee, California 92071-2685

January 18, 2016



January 18, 2016

Mr. Eric Lovering, P.E.
Project Manager
Lee & Ro, Inc.
10640 Scripps Ranch Boulevard, Suite 150
San Diego, CA 92131

**Subject: REPORT OF GEOTECHNICAL INVESTIGATION
BLOCK 7G2 UTILITIES UNDERGROUNDING PROGRAM
CITY OF SAN DIEGO
AGE Project No. 174 GS-15-A**

Dear Mr. Lovering:

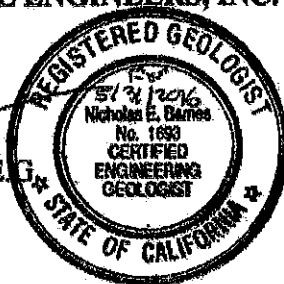
Allied Geotechnical Engineers, Inc. is pleased to submit the accompanying report to present the findings, opinions, and recommendations of a geotechnical investigation that was performed to assist Lee & Ro, Inc. with their design of the subject project.

We appreciate the opportunity to be of service on this project. If you have any questions regarding the contents of this report or need further assistance, please feel free to contact our office.

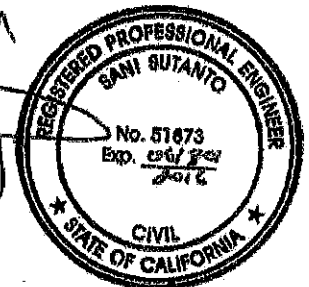
Sincerely,

ALLIED GEOTECHNICAL ENGINEERS, INC.

Nicholas E. Barnes, P.G., C.E.G.
Senior Geologist



Sani Sutanto, P.E.
Senior Engineer



NEB/SS/TJL:cal
Distr. 1 electronic copy

**REPORT OF GEOTECHNICAL INVESTIGATION
BLOCK 7G2 UTILITIES UNDERGROUNDING PROGRAM
CITY OF SAN DIEGO**

TABLE OF CONTENTS

	Page No.
1.0 INTRODUCTION.....	1
2.0 SITE AND PROJECT DESCRIPTION.....	2
3.0 OBJECTIVE AND SCOPE OF INVESTIGATION.....	3
3.1 Information Review.....	3
3.2 Geotechnical Field Exploration.....	3
3.3 Laboratory Testing.....	7
4.0 GEOLOGIC CONDITIONS.....	8
4.1 Geologic Setting and Site Physiography.....	8
4.2 Tectonic Setting.....	8
4.3 Geologic Units.....	9
4.3.1 Fill Materials.....	9
4.3.2 Mudstone Deposits.....	9
4.3.3 Very Old Paralic Deposits.....	10
4.3.4 San Diego Formation.....	11
4.3.5 Mission Valley Formation.....	11
4.4 Groundwater.....	13

TABLE OF CONTENTS
(Continued)

		Page No.
5.0	DISCUSSIONS, OPINIONS, AND RECOMMENDATIONS.....	14
5.1	Potential Geologic Hazards.....	14
5.1.1	Faulting.....	14
5.1.2	Soil Liquefaction.....	15
5.1.3	Landslides.....	15
5.1.4	Lateral Spread Displacement.....	15
5.1.5	Differential Seismic-Induced Settlement.....	16
5.1.6	Secondary Hazards.....	16
5.2	Soil Corrosivity.....	16
5.3	Expansive Soil.....	18
5.4	Cut-and-Cover Construction.....	18
5.4.1	Excavation Characteristics.....	19
5.4.2	Loads and Settlement.....	19
5.4.3	Trench Backfill.....	20
5.4.4	Placement and Compaction of Backfill.....	22
5.5	Buried Structures.....	23
5.5.1	Placement and Compaction of Backfill.....	23
5.5.2	Foundations.....	24
6.0	CONSTRUCTION-RELATED CONSIDERATIONS.....	26
6.1	Construction Dewatering.....	26
6.2	Temporary Shoring.....	26
6.2.1	Settlement.....	27
6.2.2	Lateral Earth Pressures.....	27
6.2.3	Lateral Bearing Capacity.....	27
6.4	Environmental Considerations.....	29

TABLE OF CONTENTS
(Continued)

	Page No.
7.0	GENERAL CONDITIONS. 30
7.1	Post-Investigation Services. 30
7.2	Uncertainties and Limitations. 30
8.0	REFERENCES. 33

Figures

Figures 1 Location Map

Tables

Table 1 Summary of Borings. 5

Table 2 Summary of Corrosivity Test Results. 17

Appendices

Appendix A Field Exploration Program

Appendix B Laboratory Testing

1.0 INTRODUCTION

Allied Geotechnical Engineers, Inc. (AGE) is pleased to submit this report to present the findings, opinions, and recommendations of a geotechnical investigation conducted to assist Lee & Ro, Inc. (Lee & Ro) with their design of the Block 7G2 Utilities Undergrounding Program for the City of San Diego (City). The investigation was performed in conformance with AGE's proposal (revised) dated August 31, 2015 and the subconsultant agreement entered into by and between Lee & Ro and AGE on September 2, 2015.

This report has been prepared for the exclusive use of Lee & Ro and its design team subconsultants and the City in their design of the project as described herein. The information presented in this report is not sufficient for any other uses or the purposes of other parties.

2.0 SITE AND PROJECT DESCRIPTION

The scope of the proposed projects consist of undergrounding existing above-ground utilities along several residential streets located within Block 7G2 in San Diego, California. Block 7G2 project study area encompasses an older well-developed residential neighborhood located in the Rolando area which is bounded by El Cajon Boulevard and Stanley Avenue on the north, Estelle Street on the south, College Avenue on the west and Reville Way on the east. The limits of the project study area is shown on Figure 1 (Location Map). Based on the information provided by Lee & Ro, it is our understanding that the proposed utility undergrounding will be performed using conventional cut and cover construction methods.

3.0 OBJECTIVE AND SCOPE OF INVESTIGATION

The objectives of this investigation were to characterize the subsurface conditions in the project study area and to develop geotechnical recommendations for use in the design of the currently proposed project. The scope of our investigation included several tasks which are described in more detail in the following sections.

3.1 Information Review

This task involved a review of readily available information pertaining to the project study area, including the preliminary project plans, as-built utility maps, topographic maps, published geologic literature and maps, and AGE's in-house references.

3.2 Geotechnical Field Exploration

The field exploration program for this project was performed on December 2 thru 4, 2015. A total of twelve (12) soil borings were performed at the approximate locations shown on Figure 1. The borings were advanced using conventional hollow-stem auger drilling methods to depths ranging from 5 feet to 12 feet below the existing ground surface (bgs). A brief description of the location and depth, and the subsurface conditions encountered in each boring is presented in Table 1. A more detailed description of the drilling and sampling activities, and logs of the borings are presented in Appendix A.

SECTION THREE

OBJECTIVE AND SCOPE OF INVESTIGATION

Prior to commencement of the field exploration activities, several site reconnaissance visits were performed to observe existing conditions and to select suitable locations for the borings. Subsequently, Underground Service Alert (USA) was contacted to coordinate clearance of the proposed boring locations with respect to existing buried utilities. Existing buried utilities in the vicinity of the project study area include: potable water and sanitary sewer pipelines; storm drains; natural gas and electrical transmission lines; and cable, telephone, and fiber optic lines. Traffic control permits were obtained from the City of San Diego to perform the borings.

SECTION THREE

OBJECTIVE AND SCOPE OF INVESTIGATION

Table 1

Summary of Borings

Boring No.	Location	Depth (feet)	Existing Pavement Section	Subsurface Conditions	Estimated G.W. Depth/ Elevation (feet bgs/feet MSL)
B-1	6113 Acorn Street	12	4" A.C., no base	Qvop to 4 feet bgs, Tsd to the maximum depth of exploration.	Not encountered during drilling
B-2	6162 Acorn Street	12	6" A.C., no base	Qaf to 2 feet bgs, Qvop to the maximum depth of exploration.	Not encountered during drilling
B-3	4637 62 nd Street	7.5	5" A.C. over 3" misc. base	Qm to 7 feet bgs, Qvop to the maximum depth of exploration.	Not encountered during drilling
B-4	4960 63 rd Street	12	4" A.C. over 4" misc. base	Qm to 10.5 feet bgs, Qvop to the maximum depth of exploration.	Not encountered during drilling
B-5	4610 63 rd Street	5	4" A.C., no base	Qaf to 1.5 feet bgs, Qm to 3 feet bgs, Qvop to the maximum depth of exploration.	Not encountered during drilling
B-6	6410 Stanley Avenue	12	5 1/2" A.C., no base	Qm to 2 feet bgs, Qvop to the maximum depth of exploration.	Not encountered during drilling
B-7	6541 Acorn Street	12	6 1/2" A.C., no base	Qvop to 3.5 feet bgs, Tsd to the maximum depth of exploration.	Not encountered during drilling
B-8	4515 Reville Way	12	4" A.C., no base	Qaf to 8 feet bgs, Tmv to the maximum depth of exploration.	Not encountered during drilling
B-9	6550 Bradford Street	11	6" A.C., no base	Qaf to 7 feet bgs, Tsd to the maximum depth of exploration.	Not encountered during drilling

Table 1

Summary of Borings

Boring No.	Location	Depth (feet)	Existing Pavement Section	Subsurface Conditions	Estimated G.W. Depth/ Elevation (feet bgs/feet MSL)
B-10	6419 Bradford Street	12	6 1/2" A.C., no base	Qvop to 8 feet bgs, Tsd to the maximum depth of exploration.	Not encountered during drilling
B-11	4454 Arendo Drive	12	3 1/2" A.C., no base	Qaf to 2 feet bgs, Qm to 8 feet bgs, Qvop to 10 feet bgs, Tsd to the maximum depth of exploration	Not encountered during drilling
B-12	6150 Estelle Street	12	7" A.C., no base	Qaf to 2 feet bgs, Qvop to 5 feet bgs, Tsd to the maximum depth of exploration	Not encountered during drilling

Explanation of Abbreviations and Symbols

A.C.	Asphalt Concrete
Qaf	Artificial Fill Materials
Qm	Mudstone Unit
Qvop	Very Old Parallic Deposits
Tsd	San Diego Formation
Tmv	Mission Valley Formation

3.3 Laboratory Testing

Selected soil samples obtained from the borings were tested in the laboratory to verify field classifications and evaluate certain engineering characteristics. The geotechnical laboratory tests were performed in general conformance with the American Society for Testing and Materials (ASTM) or other generally accepted testing procedures.

The laboratory tests included: in-place density and moisture content, maximum density and optimum moisture content, and sieve (wash) analysis. In addition, representative samples of the onsite soil materials were collected and delivered to Clarkson Laboratories and Supply, Inc. for chemical (analytical) testing to determine soil pH and resistivity, soluble sulfate and chloride concentrations, and bicarbonate content. A brief description of the tests that were performed and the final test results are presented in Appendix B.

4.0 GEOLOGIC CONDITIONS**4.1 Geologic Setting and Site Physiography**

The project study area is located in the southwest portion of the San Diego Embayment, a deep sedimentary-filled basin which is underlain at depth by a basement rock complex of Cretaceous age batholithic and metavolcanic and metasedimentary rocks of Jurassic age. The sedimentary formations consist of nearly flat-lying to gently southwest dipping, marine and non-marine sediments which range from Cretaceous to Holocene in age. Man-made fills occur in various locations in the study area. Nearby land uses include residential and commercial developments, public parks and open spaces.

4.2 Tectonic Setting

Tectonically, the San Diego region is situated in a broad zone of northwest-trending, predominantly right-slip faults that span the width of the Peninsular Ranges and extend offshore into the California Continental Borderland Province west of California and northern Baja California. At the latitude of San Diego, this zone extends from the San Clemente fault zone, located approximately 60 miles to the west, and the San Andreas fault located about 95 miles to the east.

Major active regional faults of tectonic significance include the Coronado Bank, San Diego Trough, San Clemente, and Newport Inglewood/Rose Canyon fault zones which are located offshore; the faults in Baja California, including the San Miguel-Vallecitos and Agua Blanca fault zones; and the faults located further to the east in Imperial Valley which include the Elsinore, San Jacinto and San Andreas fault zones.

4.3 Geologic Units

Based on their origin and compositional characteristics, the soil types encountered in the exploratory borings can be categorized into five geologic units which include (in order of increasing age) fill materials; an unmapped mudstone unit; very old paralic deposits; San Diego Formation; and Mission Valley Formation. A brief description of each unit (in order of increasing age) is presented below.

4.3.1 Fill Materials (Qaf)

Fill materials were encountered to depths ranging from 1.5 feet to 8 feet bgs in borings B-2, B-5, B-8, B-9, B-11 and B-12. The fill materials generally consist of light gray to medium brown to yellow brown silty sand, gravelly silty sand, and clayey sand. Documentation pertaining to the original placement of the fill materials is unavailable.

4.3.2 Mudstone Unit

Portions of the project study area are underlain by an unnamed and unmapped mudstone which extends from the ground surface to a sharp disconformable contact with the underlying Very Old Paralic Deposits. This unit is generally found on top of the mesa in the North Park, Normal Heights, East San Diego, and University Heights areas, and was the focus of a study performed by L.D. Reed (1990) who informally named it the "Normal Heights Mudstone". The mudstone is composed of a gray to grayish brown, highly plastic and expansive sandy clay, and varies in thickness from less than 5 feet to more than 10 feet.

The mudstone unit was encountered to respective depths of 7, 11, 3, 2, and 8-feet bgs in borings B-3 thru B-6 and B-11. The mudstone encountered in the borings consists of a gray to grayish brown, wet, stiff, sandy clay and fat clay.

4.3.3 Very Old Paralic Deposits (Qvop)

Very Old Paralic Deposits of middle to early Pleistocene age (Kennedy and Tan, 2008) were encountered below street paving, fill and/or the mudstone unit to the maximum respective depths of exploration in borings B-2 thru B-6 , and to respective depths of 4, 3.5, 8, 10 and 4.5 feet bgs in borings B-1, B-7, and B-10 thru B-12. These deposits were formerly referred to as the Lindavista Formation (Kennedy, 1975) of early Pleistocene age. The formation consists of interfingering strandline, beach, estuarine and colluvial deposits composed of siltstone, sandstone and conglomerate with a distinct reddish-brown color due to ferruginous cement. The combination of strong cementation and locally abundant gravels and cobbles may pose difficult excavation conditions even for heavy duty construction equipment.

Very Old Paralic Deposits encountered in the borings generally consist of yellow brown to strong brown, dense to very dense silty sand and gravelly silty sand. Thin interbeds of yellowish brown sandy clay were also encountered in boring B-2. The deposits are dense to very dense, and damp to wet. We encountered refusal on dense gravels/cobbles in borings B-3 and B-5 at respective depths of 7.5 and 5 feet bgs.

4.3.4 San Diego Formation (Tsd)

The mid to late Pliocene age San Diego Formation was encountered below fill materials and/or Very Old Paralic Deposits in borings B-7, B-9, and B-10 thru B-12 to the maximum depths of exploration. The San Diego Formation consists of a light yellowish brown, friable, fine-grained marine sandstone with some calcium carbonate-cemented zones and fossiliferous beds also present (Kennedy and Tan, 2008). Localized zones of cobble-conglomerate may also be encountered within the sandstone. The formation is also known to contain thin beds of bentonite, marl, and brown mudstone.

San Diego Formation encountered in the borings primarily consists of a pale yellow brown to greenish gray, fine to medium grained, micaceous, silty sandstone with scattered sub-rounded gravel to 2" maximum dimension. The formational soils were found to be medium dense to very dense, and damp to wet.

4.3.5 Mission Valley Formation

The Mission Valley Formation unconformably underlies the San Diego Formation in the project study area. This formation consists of marine, lagoonal, and non-marine sandstone. Based on fossil assemblages, the Mission Valley Formation has been assigned an upper Eocene age (Kennedy and Peterson, 1975). The sandstone member is typically light gray, fine to medium grained, and friable. Cobble-conglomerate tongues similar to the underlying Stadium Conglomerate may also be encountered in the formation.

The Mission Valley Formation was encountered below fill materials at boring B-8, extending to the maximum depth of exploration. The formational soil materials in the boring consisted of a light gray to whitish gray, damp, dense, micaceous, fine-grained silty sandstone.

4.4 Groundwater

At the time of our field investigation, no groundwater and/or seepage was encountered in any of our soil borings. Formational materials encountered in the borings generally possess low to very low permeability characteristics.

The database available at the Geotracker website (www.Geotracker.com) includes several groundwater monitoring reports for sites which are located in the vicinity of the project study area. A summary of the findings based on a review of those reports is presented below.

Fairlane Cleaners & Laundry, 6505 El Cajon Boulevard

Donan Environmental Services, Inc. (Donan, 2015) monitored 11 groundwater monitoring wells at the dry cleaning site during the fourth quarter of 2014. Donan reportedly measured groundwater at approximate depths of 35 to 43 feet bgs (elevations of 420 to 424 feet msl). This site is located approximately 1,700 feet northeast of the study area at an elevation of 460 feet msl. Mapped geologic units at this site consist of Very Old Paralic Deposits (Kennedy and Tan, 2008).

Former Aztec Cleaners, 6319 El Cajon Boulevard

Site remediation activities performed in 2012 reportedly included excavations up to 20 feet bgs at the former dry cleaners, and reportedly no groundwater was encountered in the excavations (County of San Diego Department of Environmental Health (DEH), 2015). The environmental consultant, Geocon Consultants, estimated the depth to groundwater at 35 to 40 feet bgs. This site is located approximately 400 feet north of the project study area at an elevation of 465 feet msl. Mapped geologic units at this site consist of Very Old Paralic Deposits (Kennedy and Tan, 2008).

Based on a review of the available data, the depth (elevation) of the regional groundwater table beneath the majority of the project study area is estimated to be in excess of 40 feet bgs. Groundwater may be encountered at a shallower depth along Reville Way, which follows the general trend of a partially-filled canyon. However, no groundwater was encountered in during drilling operations for boring B-8, which extended to a depth of 12-feet bgs on Reville Way.

It must be noted that localized perched water conditions may be encountered within the study area, especially along the contact between fill materials and formational materials. Based on previous experience with similar conditions, perched water may also be encountered at the contact between the mudstone unit and Very Old Paralic Deposits.

5.0 DISCUSSIONS, OPINIONS AND RECOMMENDATIONS

5.1 Potential Geologic Hazards

5.1.1 Faulting

No known active faults (Kennedy and Tan, 2008; City of San Diego, 2008) are mapped within the project study area. Therefore, the potential for fault ground rupture and ground lurching within the project study area is considered insignificant.

For the purpose of this project, we consider the Rose Canyon fault zone (RCFZ) to represent the most significant seismic hazard. The RCFZ is a complex set of anastomosing and en-echelon, predominantly strike slip faults that extend from off the coast near Carlsbad to offshore south of downtown San Diego (Treiman, 1993). Previous geologic investigations on the RCFZ in the Rose Creek area (Rockwell et. al., 1991) and in downtown San Diego (Patterson et. al., 1986) found evidence of multiple Holocene earthquakes. Based on these studies, several fault strands within the RCFZ have been classified as active faults, and are included in Alquist-Priolo Special Studies Zones. In San Diego Bay, this fault zone is believed to splay into multiple, subparallel strands; the most pronounced of which are the Silver Strand, Spanish Bight and Coronado Bank faults. The project study area is not located within an Alquist-Priolo Earthquake Study Zone.

It is our opinion that the major seismic hazard affecting the project study area would be seismic-induced ground shaking. The study area will likely be subject to moderate to severe ground shaking in response to a local or more distant large magnitude earthquake occurring during the life of the proposed facilities. For project design purposes, we recommend that the RCFZ be considered as the dominant seismic source.

5.1.2 Soil Liquefaction

Seismically-induced soil liquefaction is a phenomenon in which loose to medium dense, saturated granular materials undergo matrix rearrangement, develop high pore water pressure, and lose shear strength due to cyclic ground vibrations induced by earthquakes. The project study area is underlain with dense/stiff formational soils that are considered to have a very low to negligible liquefaction potential.

5.1.3 Landslides

A review of the published geologic maps indicate that the project study area is not located on or below any known (mapped) ancient landslides (Kennedy, 1975; Kennedy and Tan, 2008; City of San Diego, 2008). Furthermore, the geologic units underlying the project study area are nor considered prone to landslide hazards. Therefore, landsliding does not represent a potential hazard.

5.1.4 Lateral Spread Displacement

The project study area is underlain by competent geologic units which are not considered susceptible to seismic-induced lateral spreading.

5.1.5 Differential Seismic-Induced Settlement

Differential seismic settlement occurs when seismic shaking causes one type of soil to settle more than another type. It may also occur within a soil deposit with largely homogeneous properties if the seismic shaking is uneven due to variable geometry or thickness of the soil deposit. The project study area is not considered susceptible to seismic-induced settlement.

5.1.6 Secondary Hazards

A review of the State of California Tsunami Inundation Map for Emergency Planning (2009) indicates that the project study area is not located within the tsunami inundation area. It is our opinion that the potential of property damage from a seismic-induced tsunami in the study area is considered remote. The study area is not located within the 100- and 500-year flood zone (FEMA Flood Insurance Rate Map, 2012). It is our opinion that the potential of property damage due to flooding is considered remote.

5.2 **Soil Corrosivity**

In accordance with the City of San Diego Water Facility Design Guidelines, Book 2, Chapter 7, soil is generally considered aggressive to concrete if its chloride concentration is greater than 300 parts per million (ppm) or sulfate concentration is greater than 1,000 ppm, or if the pH is 5.5 or less.

SECTION FIVE

DISCUSSIONS, OPINIONS AND RECOMMENDATIONS

Analytical testing was performed on a representative sample of the onsite soil materials to determine pH, resistivity, soluble sulfate, chlorides and bicarbonates content. The tests were performed in accordance with California Test Method Nos. 643, 417 and 422. A summary of the test results is presented in Table 2 below. Copies of the analytical laboratory test data reports are included in Appendix B.

Table 2
Summary of Corrosivity Test Results

	pH	Resistivity (ohm-cm)	Sulfate Conc. (ppm)	Chloride Conc. (ppm)	Bicarbonates Conc. (ppm)
B-3 Sample No. 1 @ 2'-3'	8.3	870	200	75	N.A.
B-4 Sample No. 1 @ 2'-3'	8.2	760	160	21	N.A.
B-7 Sample No. 1 @ 4'-5'	6.7	1,000	36	11	N.A.
B-10 Sample No. 1 @ 3'-4'	5.7	1,000	110	43	N.A.
B-11 Sample No. 1 @ 2'-3'	6.9	450	260	330	N.A.

The test results indicate that samples collected from borings B-10 and B-11 may be highly aggressive against concrete. Therefore, we recommend that Type V Portland Cement Concrete (high sulfate resistance) be used for proposed facilities in the project study area. It should be noted here that the most effective way to prevent sulfate attack is to keep the sulfate ions from entering the concrete in the first place. This can be done by using mix designs that give a low permeability (mainly by keeping the water/cement ratio low) and, if practical, by placing moisture barriers between the concrete and the soil.

AGE does not practice in the field of corrosion engineering. In the event that corrosion sensitive facilities are planned, we recommend that a corrosion engineer be retained to perform the necessary corrosion protection evaluation and design.

5.3 Expansive Soil

Based on visual observations and the laboratory test results, the soil materials belonging to the mudstone unit are considered highly expansive. The remainder of soil materials are non-expansive or have a low expansion potential.

5.4 Cut-and-Cover Construction

Since no changes to the existing ground surface are planned, the net stress change in the underlying soils is considered negligible. Furthermore, the native soils at the proposed invert level within the

project study area are expected to provide a stable trench bottom. In the event that loose or disturbed soils are encountered at the trench bottom, it is recommended that they be over-excavated and replaced with bedding or other approved materials.

5.4.1 Excavation Characteristics

The soil materials within the anticipated depths of the proposed trenched excavations consist of man-made fill and formational units which can generally be readily excavated with conventional heavy-duty construction equipment. It must be noted that locally high gravel and cobble content and cementation within the Very Old Paralic Deposits may pose difficult excavation conditions even for heavy duty construction equipment.

5.4.2 Loads and Settlement

Utility conduits should be designed for all loads applied by surrounding soils including dead load from soils, loads applied at the ground surface, uplift loads, and earthquake loads. Soil loading above the groundwater level may be estimated assuming a density of 100 pcf for the backfill materials.

5.4.3 Trench Backfill

Bedding Zone and Pipe Zone

"Bedding Zone" is defined as the area below the bottom of the conduits and extending over the full trench width, and should be at least 6 inches thick in order to provide a uniform firm foundation material directly beneath the conduits.

The "Pipe Zone" is defined as the full width of a trench from the bottom of the pipe to a horizontal level about 6 inches above the top (crown) of the conduits. In order to provide uniform support and to minimize external loads, trench widths should be selected such that a minimum clear space of 6 inches is provided on each side of the conduits. During backfilling, it is recommended that the backfill materials be placed on each side of the conduits simultaneously to avoid unbalanced loads on the pipe.

Backfill materials placed in the "Bedding Zone" and "Pipe Zone" should consist of clean, free draining sand with a minimum Sand Equivalent value of 50 or crushed rock. Sand should be free of clay, organic matter, and other deleterious materials and conform to the gradation shown below.

SECTION FIVE

DISCUSSIONS, OPINIONS AND RECOMMENDATIONS

<u>Sieve Size</u>	<u>Percent Passing by Weight (percent)</u>
½ inch	100
#4	75-100
#16	35-75
#50	10-40
#200	0-10

Crushed rock should conform to Section 200-1.2 and 200-1.3 of the Standard Specifications for Public Works Construction (SSPWC) for 3/4-inch crushed rock gradation. It must be noted that, since the native soil materials do not meet these specifications, import backfill materials will be required for the "Bedding Zone" and "Pipe Zone". If crushed rock is used for pipe zone and bedding backfill materials, we recommend that the rock materials be wrapped in geotextile filter fabric such as Mirafi 140N or equivalent. The purpose of the filter fabric is to prevent migration of fine grained materials from the backfill materials, and the sides and bottom of the trench into the rock bedding materials.

Above Pipe Zone

The "Above Pipe Zone" is defined as the full width of the trench from the top of the "Pipe Zone" to the finish grade or bottom of the pavement section. Fill materials within this zone should be free of biodegradable materials, hazardous substance contamination, other deleterious debris, and or rocks or hard lumps greater than 6 inches. If the fill materials contain rocks or hard lumps, at least 70 percent (by weight) of its particles shall pass a U.S. Standard 3/4-inch sieve. Fill materials should consist of predominantly granular soil (less than 40 percent passing the U.S. Standard #200 sieve) with Expansion Index of less than 50.

Soil materials generated from excavation within the mudstone unit are highly plastic and expansive, and are not considered suitable for use as compacted trench backfill. This unit was encountered at depths varying from 2 feet to 11 feet bgs in borings B-3 thru B-6 and B-11. Soil materials generated from excavations made in the Very Old Paralic Deposits (Lindavista Formation) are likely to contain abundant cobbles. Localized lenses of cobbles may also occur in the San Diego Formation. These materials are not considered suitable for use as compacted trench backfill in their current conditions. We recommend that import soil materials which meet the criteria above be used to backfill trenched excavations extended within these units.

5.4.4 Placement and Compaction of Backfill

Prior to placement, all backfill materials should be moisture-conditioned, spread and placed in lifts (layers) not-to-exceed 6 inches in loose (uncompacted) thickness, and uniformly compacted to at least 90 percent relative compaction. During backfilling, the soil moisture content should be maintained at or within 2 to 3 percent above the optimum moisture content of the backfill materials. It is recommended that the upper 24 inches directly beneath the roadway pavement and the base materials be compacted to at least 95 percent relative compaction. The maximum dry density and optimum moisture content of the backfill materials should be determined in the laboratory in accordance with the ASTM D1557 testing procedures.

Small hand-operated compacting equipment should be used for compaction of the backfill materials to an elevation of at least 4 feet above the top (crown) of the pipes. Flooding or jetting should not be used to densify the backfill.

5.5 Buried Structures

It is recommended that any proposed buried structures be founded on firm native soils or approved compacted materials. In areas where loose or soft soils are encountered at the bottom of the box structure excavations, it is recommended that the loose/soft materials be removed and replaced with 3/4-inch crushed rock materials wrapped in geotextile fabric which meets or exceeds the specifications shown below.

<u>Fabric Property</u>	<u>Min. Certified Values</u>	<u>Test Method</u>
Grab Tensile Strength	300 lb	ASTM D 4632
Grab Tensile Elongation	35% (MAX)	ASTM D 4632
Burst Strength	600 psi	ASTM D 3786
Trapezoid Tear Strength	120 lb	ASTM D 4533
Puncture Strength	130 lb	ASTM D 4833

The actual extent of over-excavation of any loose/soft soil materials should be evaluated and determined in the field by the City's Resident Engineer.

5.5.1 Placement and Compaction of Backfill

Fill materials used around buried structures should meet the criteria for "Above Pipe Zone" backfill presented in Section 5.4.3. Placement and compaction of backfill materials around the buried structures should be performed in accordance with the recommendations presented in Section 5.4.4 of this report.

5.5.2 Foundations

Bearing Capacity

For design of the buried structures which are founded on firm native soils or uniformly compacted fill materials an allowable soil bearing capacity of 3,500 and 2,000 psf may be used, respectively. This allowable soil bearing value is for total dead and live loads, and may be increased by one third when considering seismic loads.

Anticipated Settlement

Under static condition, total settlement of the slab foundation is estimated to be less than 0.25 inch. Differential settlement between the center and the edge of the slab foundation is expected not to exceed 0.25 inch. No permanent deformation and/or post-construction settlement is anticipated, provided that backfill around the structures is properly compacted in accordance with the project specifications.

Resistance to Lateral Loads

Resistance to lateral loads may be developed by a combination of friction acting at the base of the slab foundation and passive earth pressure developed against the sides of the foundations below grade. Passive pressure and friction may be used in combination, without reduction, in determining the total resistance to lateral loads.

SECTION FIVE

DISCUSSIONS, OPINIONS AND RECOMMENDATIONS

An allowable passive earth pressure of 250 psf per foot of foundation embedment below grade may be used for the sides of foundations placed against competent native soils or properly compacted fill materials. The maximum recommended allowable passive pressure is 2,500 psf. A coefficient of friction of 0.45 may be used for foundation cast directly on competent native soils or approved compacted materials.

6.0 CONSTRUCTION-RELATED CONSIDERATIONS**6.1 Construction Dewatering**

The depth of the local groundwater table is expected to be well below the anticipated depth of the proposed trenched excavations for this project. No seepage or groundwater was encountered in our soil borings.

We therefore do not anticipate the need for dewatering of trenched excavations made during construction. The contractor should, however, anticipate the possible need for sump pumps in the event that localized perched water conditions are encountered during construction. Localized perched water conditions would most likely occur at the interface between fill materials and formational materials, and/or at the interface between the mudstone unit and the relatively impermeable Very Old Paralic Deposits. The design, installation, and operation of any construction dewatering measures necessary for the project shall be the sole responsibility of the contractor.

6.2 Temporary Shoring

Since the anticipated pipe invert depths will be more than 4 feet below the ground surface, prevailing Federal and Cal OSHA safety regulations require that the trenched excavation be either sloped (if sufficient construction space or easement is available), shored, braced, or protected with approved sliding trench shield. Limited construction space, the presence of other buried utilities, and the need to avoid excessive community disruption dictate that a shored excavation will be needed for the utility undergrounding. Design and construction of temporary shoring should be the sole responsibility of the contractor.

6.2.1 Settlement

Settlement of existing street improvements and/or utilities adjacent to the shoring may occur in proportion to both the distance between shoring system and adjacent structures or utilities and the amount of horizontal deflection of the shoring system. Vertical settlement will be maximum directly adjacent to the shoring system, and decreases as the distance from the shoring increases. At a distance equal to the height of the shoring, settlement is expected to be negligible. Maximum vertical settlement is estimated to be on the order of 75 percent of the horizontal deflection of the shoring system. It is recommended that shoring be designed to limit the maximum horizontal deflection to 1-inch or less where structures or utilities are to be supported.

It is recommended that pre- and post-construction surveys be conducted to document existing site conditions. Documentation should include photographic and video surveys of the existing facilities and site improvements, as well as field surveys of building floors and pavement structures. We further recommend that a weekly survey of existing utilities be performed during the construction phase.

6.2.2 Lateral Earth Pressures

Temporary shoring should be designed to resist the pressure exerted by the retained soils and any additional lateral forces due to loads placed near the top of the excavation. For design of braced shorings supporting fill materials, the recommended lateral earth pressure should be $32H$ psf, where

H is equal to the height of the retained earth in feet. For braced shoring supporting Mudstone Unit, Very Old Paralic Deposits, Mission Valley Formation and the San Diego Formation, the recommended lateral earth pressures may be reduced to $20H$ psf. Any surcharge loads would impose uniform lateral pressure of $0.3q$, where "q" equals the uniform surcharge pressure. The surcharge pressure should be applied starting at a depth equal to the distance of the surcharge load from the top of the excavation. In the event that the bottom of the excavation is located below the groundwater level, hydrostatic pressure should be added to the lateral loads.

The recommended lateral earth pressures have been prepared based on the assumptions that the shored earth is level at the surface and that the shoring system is temporary in nature.

6.2.3 Lateral Bearing Capacity

Resistance to lateral loads will be provided by passive soil resistance. The allowable passive pressure for the fill materials may be assumed to be equivalent to a fluid weighing 250 pcf. Allowable lateral bearing pressure in fill material should not exceed 2,500 psf. Allowable passive pressure for the Mudstone Unit, Very Old Paralic Deposits, Mission Valley Formation and the San Diego Formation may be assumed to be equivalent to a fluid weighing 350 pcf, with maximum allowable lateral bearing pressure of 3,500 psf.

6.4 Environmental Considerations

The scope of AGE's investigation did not include the performance of a Phase I Environmental Site Assessment (Phase I ESA) to evaluate the possible presence of soil and/or groundwater contamination beneath the project study area. During our subsurface investigation soil samples were field screened for the presence of volatile organics using a RAE Systems MiniRAE 3000 organic vapor meter (OVM). The field screening did not reveal elevated levels of volatile organics in the samples.

In the event that hazardous or toxic materials are encountered during the construction phase, the contractor should immediately notify the City and be prepared to handle and dispose of such materials in accordance with current industry practices and applicable Local, State and Federal regulations.

7.0 GENERAL CONDITIONS**7.1 Post-Investigation Services**

Post-investigation geotechnical services are an important continuation of this investigation, and we recommend that the City's Construction Inspection Division performs the necessary geotechnical observation and testing services during construction. In the event that the City is unable to perform said services, it is recommended that our firm be retained to provide the services.

Sufficient and timely observation and testing should be performed during excavation, pipeline installation, backfilling and other related earthwork operations. The purpose of the geotechnical observation and testing is to correlate findings of this investigation with the actual subsurface conditions encountered during construction and to provide supplemental recommendations, if necessary.

7.2 Uncertainties and Limitations

The information presented in this report is intended for the sole use of Lee & Ro and other members of the project design team and the City for project design purposes only and may not provide sufficient data to prepare an accurate bid. The contractor should be required to perform an independent evaluation of the subsurface conditions at the project site prior to submitting his/her bid.

AGE has observed and investigated the subsurface conditions only at selected locations in the project study area. The findings and recommendations presented in this report are based on the assumption that the subsurface conditions beneath all project study area do not deviate substantially from those encountered in the exploratory soil borings. Consequently, modifications or changes to the recommendations presented herein may be necessary based on the actual subsurface conditions encountered during construction.

California, including San Diego County, is in an area of high seismic risk. It is generally considered economically unfeasible to build a totally earthquake-resistant project and it is, therefore, possible that a nearby large magnitude earthquake could cause damage at the project site.

Geotechnical engineering and geologic sciences are characterized by uncertainty. Professional judgments and opinions presented in this report are based partly on our evaluation and analysis of the technical data gathered during our present study, partly on our understanding of the scope of the proposed project, and partly on our general experience in geotechnical engineering.

In the performance of our professional services, we have complied with that level of care and skill ordinarily exercised by other members of the geotechnical engineering profession currently practicing under similar circumstances in southern California. Our services consist of professional consultation only, and no warranty of any kind whatsoever, expressed or implied, is made or intended in connection with the work performed. Furthermore, our firm does not guarantee the performance of the project in any respect.

AGE does not practice or consult in the field of safety engineering. The contractor will be responsible for the health and safety of his/her personnel and all subcontractors at the construction site. The contractor should notify the City if he or she considers any of the recommendations presented in this report to be unsafe.

8.0 REFERENCES

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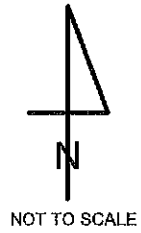
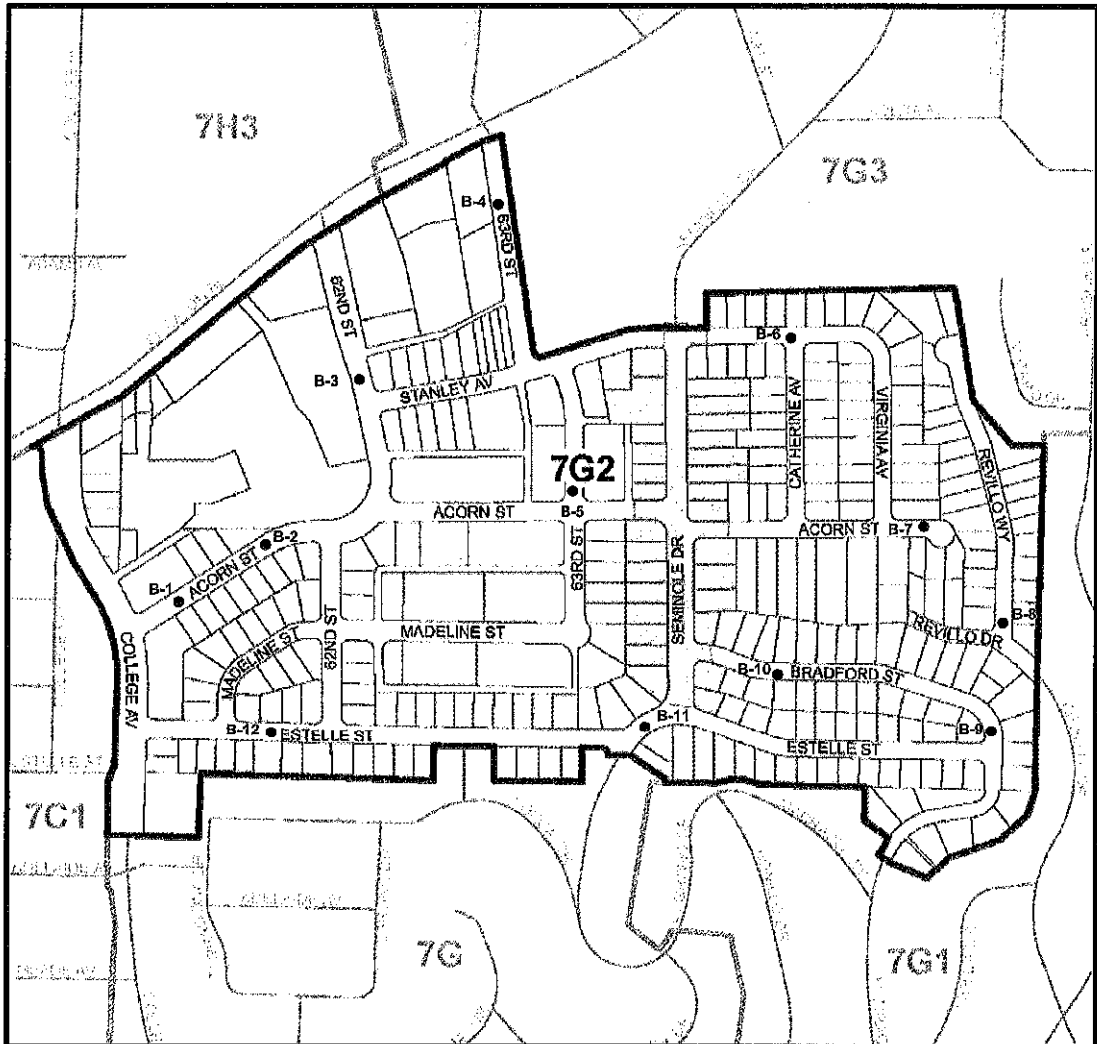
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NOT TO SCALE

LEGEND:

B-1 • Approximate Boring Location

SOURCE:

SanGIS, 2015

**LOCATION MAP
BLOCK 7G2 UTILITIES UNDERGROUNDING PROGRAM**

<p>PROJECT NO. 174 GS-15-A</p>	<p>ALLIED GEOTECHNICAL ENGINEERS, INC.</p>	<p>FIGURE 1</p>
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APPENDIX A

FIELD EXPLORATION PROGRAM

APPENDIX A

FIELD EXPLORATION PROGRAM

The field exploration program for this project was performed between December 2 and 4, 2015, and included the performance of a total of twelve (12) soil borings. The borings were advanced to depths ranging between 5 feet and 12 feet below the existing ground surface (bgs) using conventional hollow-stem auger drilling methods. The borings were performed with a CME 95 truck-mounted drill rig or equivalent.

Prior to commencement of the field exploration activities, several site visits were performed to observe existing conditions and to select suitable locations for the borings. Subsequently, Underground Service Alert (USA) was contacted to coordinate clearance of the proposed boring locations with respect to existing buried utilities. Traffic control permits were obtained from the City of San Diego to perform the borings.

During drilling, Standard Penetration Tests (SPT) were performed at selected depth intervals. The SPT tests involve the use of a specially manufactured "split spoon" sampler which is driven into the soils at the bottom of the borehole by dropping a 140-pound weight from a height of 30 inches. The number of blows required to penetrate each 6-inch increment was counted and recorded on the field logs, and have been used to evaluate the relative density and consistency of the materials. The blow counts were subsequently corrected for sample type, hammer model, groundwater and surcharge. The corrected blow counts are shown on the boring logs.

Relatively undisturbed samples were obtained by driving a 3-inch (OD) diameter standard California sampler with a special cutting tip and inside lining of thin brass rings into the soils at the bottom of the borehole. The sampler is driven a distance of 12 inches into the soils at the bottom of the borehole by dropping a 140-pound weight from a height of 30 inches. A 6-inch long section of the soil samples that were retained in the brass rings were extracted from the sampling tube and transported to our laboratory in close-fitting, waterproof containers. The samples were field screened for the presence of volatile organics using a RAE Systems MiniRAE 3000 organic vapor meter (OVM). The OVM readings are indicated on the boring logs.

Following completion of the drilling and sampling activities, the borings were backfilled using bentonite chips and soil cuttings to approximately 12 inches below the ground surface, and capped with hot-mix asphalt to match the adjacent pavement surface.

KEY TO LOG OF BORING

DEPTH (FEET)	SAMPLES	BLOW COUNTS (BLOWS/FOOT)	OVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE (% DRY WT.)	DRY DENSITY (PCF)	REMARKS
1								
2	1				<p>Sample Identification number</p> <p>Approximate interval of bulk sample</p>			
3								
4								
5								
6								
7	2				<p>Approximate interval of Standard California Sampler (SCS).</p>			
8		16			<p>Number of blows required to advance sampler for the last foot, or distance indicated. Blow counts shown on boring logs have been corrected for dimensions of sampler, sample and ground water depth, and hammer type.</p>			
9								
10								
11	3				<p>Approximate interval of Standard Penetration Test (SPT).</p>			
12		18						
13								
14								
15								
16								
17					(KEY TO LOG OF BORINGS CONTINUED ON FIGURE A-2)			
18								
19								
PROJECT NO. 174 GS-15					ALLIED GEOTECHNICAL ENGINEERS, INC.			FIGURE A-1

KEY TO LOG OF BORING (CONTINUED)

DEPTH (FEET)	SAMPLES	BLOW COUNTS (BLOWS/FOOT)	OWN READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE (% DRY WT.)	DRY DENSITY (PCF)	REMARKS
1					-? - - - ?- APPROXIMATE GEOLOGIC CONTACT			
2					FILL			
3				•••••	SAND			
4				/ / / / /	CLAY			
5					SILT			
6				○ ○ ○ ○ ○	GRAVELS & COBBLES			
7								
8								
9								
10					<u>GENERAL NOTES</u>			
11					1. Approximate elevation and locations of borings are based on GoogleEarth, 2015.			
12					2. Soil descriptions are based on visual classification made during the field exploration and, where deemed appropriate, have been modified based on the results of laboratory tests.			
13					3. Descriptions on the boring logs apply only at the specific boring locations and at the times the borings were performed. They are not warranted to be representative of subsurface conditions at other locations or times.			
14								
15								
16								
17								
18								
19								
PROJECT NO. 174 GS-15					ALLIED GEOTECHNICAL ENGINEERS, INC.			FIGURE A-2

BORING NO. B-1

DATE OF DRILLING: DECEMBER 2, 2015

TOTAL BORING DEPTH: 12 FEET

GENERAL LOCATION: IN FRONT OF 6113 ACORN STREET

APPROXIMATE SURFACE ELEV.: +457 FEET MSL

DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC..

DRILLING METHOD: 8 INCH HSA

LOGGED BY: NICK BARNES

DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	OVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS
1					PAVEMENT SECTION: 4" A.C. & no base.			
2					VERY OLD PARALIC DEPOSITS			
3					Reddish yellow to dark yellowish brown, damp to wet, dense, gravelly silty sand(SM).			
4	1				SAN DIEGO FORMATION			
5								
6	2	27	1.0		Pale yellow brown, damp, medium dense, fine-grained, micaceous silty sand (SM).	5.6		
7	3							
8								
9								
10								
11	4	48	0.9			6.6	109.9	
12					Soil becomes pale yellow to olive yellow and dense.			

NOTES:

Bottom of borehole at 12 feet.

No groundwater or seepage encountered at time of drilling.

**PROJECT NO.
174 GS-15**

ALLIED GEOTECHNICAL ENGINEERS, INC.

FIGURE A-3

BORING NO. B-2								
DATE OF DRILLING: DECEMBER 2, 2015				TOTAL BORING DEPTH: 12 FEET				
GENERAL LOCATION: IN FRONT OF 6162 ACORN STREET								
APPROXIMATE SURFACE ELEV.: +470 FEET MSL				DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC..				
DRILLING METHOD: 8 INCH HSA				LOGGED BY: NICK BARNES				
DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	QVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS
1					PAVEMENT SECTION: 6" A.C. & no base.			
2					FILL: Medium brown, damp, gravelly silty sand(SM).			
3	1				VERY OLD PARALIC DEPOSITS Yellowish red to reddish yellow, damp, very dense, gravelly silty sand (SM) with thin interbeds of yellow brown, wet, stiff, sandy lean clay (CL). Gravels are sub-rounded up to 2" in maximum dimension.	6.2	111.9	
4	2	69	0.1					
5	3							
6								
7								
8								
9								
10								
11	4	66	0.2			8.7		
12								
<p>NOTES:</p> <p>Bottom of borehole at 12 feet.</p> <p>No groundwater or seepage encountered at time of drilling.</p>								
PROJECT NO. 174 GS-15		ALLIED GEOTECHNICAL ENGINEERS, INC.				FIGURE A-4		

BORING NO. B-3

DATE OF DRILLING: DECEMBER 2, 2015	TOTAL BORING DEPTH: 7.5 FEET
GENERAL LOCATION: IN FRONT OF 4637 62ND STREET	
APPROXIMATE SURFACE ELEV.: +474 FEET MSL	DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC..
DRILLING METHOD: 8 INCH HSA	LOGGED BY: NICK BARNES

DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	QVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS
1					PAVEMENT SECTION: 5" A.C. over 3" misc. base.			
2	1				MUDSTONE UNIT Grayish brown to brown, damp, stiff to very stiff, sandy clay (CL/CH).			
3	2							
4	3	31	0.3			9.9	125.6	
5								
6	4	50+			VERY OLD PARALIC DEPOSITS Yellowish brown to brownish yellow, damp, dense, silty sand (SM) with scattered sub-rounded gravels up to 3" in maximum dimension.			No sample recovery ?
7								
8								

NOTES:

- Bottom of borehole at 7.5 feet.
- Refusal on gravels/cobbles.
- No groundwater or seepage encountered at time of drilling.

PROJECT NO. 174 GS-15	ALLIED GEOTECHNICAL ENGINEERS, INC.	FIGURE A-5
----------------------------------	--	-------------------

BORING NO. B-4

DATE OF DRILLING: DECEMBER 2, 2015

TOTAL BORING DEPTH: 12 FEET

GENERAL LOCATION: IN FRONT OF 4960 63RD STREET

APPROXIMATE SURFACE ELEV.: +475 FEET MSL

DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC..

DRILLING METHOD: 8 INCH HSA

LOGGED BY: NICK BARNES

DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	QVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS
1					PAVEMENT SECTION: 4" A.C. over 4" misc. base.			
2	1				MUDSTONE UNIT Gray to grayish brown, wet, medium stiff, sandy clay (CL/CH) with occasional sub-rounded gravels up to 2" in maximum dimension.	23.2	98.5	
3								
4	2	8	0.7					
5	3							
6								
7								
8								
9								
10								
11	4	36	1.4		Sharp contact VERY OLD PARALIC DEPOSITS	17.7		
12					Pale yellowish brown, damp to wet, dense, fine to medium grained, micaceous, silty sand (SM).			
<p>NOTES:</p> <p>Bottom of borehole at 12 feet</p> <p>No groundwater or seepage encountered at time of drilling</p>								
PROJECT NO. 174 GS-15		ALLIED GEOTECHNICAL ENGINEERS, INC.				FIGURE A-6		

BORING NO. B-5

DATE OF DRILLING: DECEMBER 2, 2015

TOTAL BORING DEPTH: 5 FEET




GENERAL LOCATION: IN FRONT OF 4610 63RD STREET

APPROXIMATE SURFACE ELEV.: +474 FEET MSL

DRILLING CONTRACTOR: TRI-COUNTY DRILLING. INC..

DRILLING METHOD: 8 INCH HSA

LOGGED BY: NICK BARNES

DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	QVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS
1					PAVEMENT SECTION: 4" A.C. & no base.			
2	1				FILL: Yellow brown, damp, gravelly silty sand (SM). ?			?
3					MUDSTONE UNIT: Dark gray to dark grayish brown, wet, stiff, sandy clay (CL/CH) with traces of gravel up to 3/4". ?			?
4					VERY OLD PARALIC DEPOSITS: Yellowish brown, damp, very dense, gravelly/cobbly silty sand (SM). ?			?
5								

NOTES:

Bottom of borehole at 5 feet.

Refusal on dense gravels and cobbles at 5 feet.

No groundwater or seepage encountered at time of drilling.

**PROJECT NO.
174 GS-15**

ALLIED GEOTECHNICAL ENGINEERS, INC.

FIGURE A-7

BORING NO. B-6								
DATE OF DRILLING: DECEMBER 3, 2015			TOTAL BORING DEPTH: 12 FEET					
GENERAL LOCATION: IN FRONT OF 6410 STANLEY AVENUE								
APPROXIMATE SURFACE ELEV.: +468 FEET MSL			DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC..					
DRILLING METHOD: 8 INCH HSA			LOGGED BY: NICK BARNES					
DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	QVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS
1					PAVEMENT SECTION: 5 1/2" A.C. & no base.			
2					MUDSTONE UNIT: Grayish brown, damp to wet, stiff, sandy clay (CL/CH).			
3	1							
4	2							
5					VERY OLD PARALIC DEPOSITS			
6	3	38	0.3		Pale yellowish brown to reddish yellow, damp to wet, dense, silty sand (SM) with traces of sub-rounded gravel up to 1" in maximum dimension.	14.2	104.6	
7								
8					Abundant gravel at depth of 8 feet			
9								
10								
11	4	35	1.0			12.8		
12								
<p>NOTES:</p> <p>Bottom of borehole at 12 feet.</p> <p>No groundwater or seepage encountered at time of drilling.</p>								
PROJECT NO. 174 GS-15			ALLIED GEOTECHNICAL ENGINEERS, INC.			FIGURE A-8		

BORING NO. B-7

DATE OF DRILLING: DECEMBER 3, 2015

TOTAL BORING DEPTH: 12 FEET

GENERAL LOCATION: IN FRONT OF 6541 ACORN STREET

APPROXIMATE SURFACE ELEV.: +460 FEET MSL

DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC..

DRILLING METHOD: 8 INCH HSA

LOGGED BY: NICK BARNES

DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	OVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS
1					PAVEMENT SECTION: 6 1/2" A.C. & no base.			
2					VERY OLD PARALIC DEPOSITS			
3					Yellowish brown to reddish yellow, damp, dense, gravelly silty sand (SM).			
4	1				SAN DIEGO FORMATION			
5								
6	2	40	0.7		Pale yellowish brown to olive yellow, damp, dense, fine to medium-grained, micaceous, silty sand (SM).	11.7		
7								
8								
9					Scattered gravelly zones encountered below depth of 8'. Gravels are sub-rounded, up to 1" in maximum dimension.			
10								
11	3	46						No sample recovery
12								

NOTES:

Bottom of borehole at 12 feet.

No groundwater or seepage encountered at time of drilling.

**PROJECT NO.
174 GS-15**

ALLIED GEOTECHNICAL ENGINEERS, INC.

FIGURE A-9

BORING NO. B-8

DATE OF DRILLING: DECEMBER 4, 2015

TOTAL BORING DEPTH: 12 FEET

GENERAL LOCATION: IN FRONT OF 4515 REVILLO WAY

APPROXIMATE SURFACE ELEV.: +416 FEET MSL

DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC..

DRILLING METHOD: 8 INCH HSA

LOGGED BY: NICK BARNES

DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	OVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS
1					PAVEMENT SECTION: 4" A.C. & no base.			
2					FILL Light gray to medium brown, damp, silty sand (SM) and clayey sand (SC).	6.8	112.8	
3	1	31	0.5					
4	2							
5	3							
6								
7								
8								
9					MISSION VALLEY FORMATION			
10					Whitish gray to light gray, damp, dense, fine-grained, micaceous, silty sand (SM).	13.1		
11	4	48	0.4					
12								

NOTES:

Bottom of borehole at 12 feet.

No groundwater or seepage encountered at time of drilling.

**PROJECT NO.
174 GS-15**

ALLIED GEOTECHNICAL ENGINEERS, INC.

FIGURE A-10

BORING NO. B-9

DATE OF DRILLING: DECEMBER 3, 2015

TOTAL BORING DEPTH: 12 FEET

GENERAL LOCATION: IN FRONT OF 6550 BRADFORD STREET

APPROXIMATE SURFACE ELEV.: +457 FEET MSL

DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC..

DRILLING METHOD: 8 INCH HSA

LOGGED BY: NICK BARNES

DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	QVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS
1					PAVEMENT SECTION: 6" A.C. & no base.			
2					FILL			
3					Medium brown to brownish yellow, damp, gravelly silty sand (SM). Gravels sub-rounded to fractured, to 3" maximum dimension.			
4	1							
5								
6	2	30	1.1			5.3		
7	3							
8					SAN DIEGO FORMATION			
9					Yellowish brown to olive yellow, damp, very dense, fine-grained silty sand(SM) with scattered gravel to 2" maximum dimension.			
10	4	100+	0.7			7.3	102.3	
11								

NOTES:

Bottom of borehole at 11 feet.

No groundwater or seepage encountered at time of drilling.

**PROJECT NO.
174 GS-15**

ALLIED GEOTECHNICAL ENGINEERS, INC.

FIGURE A-11

BORING NO. B-10

DATE OF DRILLING: DECEMBER 3, 2015

TOTAL BORING DEPTH: 12 FEET

GENERAL LOCATION: IN FRONT 6319 BRADFORD STREET

APPROXIMATE SURFACE ELEV.: +465 FEET MSL

DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC..

DRILLING METHOD: 8 INCH HSA

LOGGED BY: NICK BARNES

DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	OVM READING (PPH)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS
1					PAVEMENT SECTION: 6 1/2" A.C. & no base.			
2					VERY OLD PARALIC DEPOSITS			
3	1				Reddish yellow to yellow brown, damp, dense to very dense, gravelly/cobbly silty sand (SM). Gravels and cobbles are sub-rounded, up to 6" in maximum dimension.			
4								
5								
6	2	76						No sample recovery
7	3							
8					?			?
9					SAN DIEGO FORMATION			
10					Yellow to olive yellow, damp, dense to very dense, fine-grained, micaceous, silty sand (SM) with traces of gravel up to 1" in maximum dimension.			
11	4	53	0.7			14.3	105.6	
12								

NOTES:

Bottom of borehole at 12 feet.

No groundwater or seepage encountered at time of drilling.

**PROJECT NO.
174 GS-15**

ALLIED GEOTECHNICAL ENGINEERS, INC.

FIGURE A-12

BORING NO. B-11

DATE OF DRILLING: DECEMBER 4, 2015

TOTAL BORING DEPTH: 12 FEET

GENERAL LOCATION: IN FRONT 4454 ARENDO DRIVE

APPROXIMATE SURFACE ELEV.: +471 FEET MSL

DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC..

DRILLING METHOD: 8 INCH HSA

LOGGED BY: NICK BARNES

DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	OVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS
1					PAVEMENT SECTION: 3 1/2" A.C. and no base.			
2			?		FILL: Yellow brown, damp, gravelly silty sand (SM).			?
3	1				MUDSTONE UNIT Medium gray to grayish brown, damp, stiff to very stiff, sandy clay (CL/CH).	9.9	131.0	
4	2							
5	3	40	0.1					
6								
7								
8			?		VERY OLD PARALIC DEPOSITS Yellow brown to reddish yellow, damp, dense to very dense, gravelly silty sand (SM).			?
9								
10			?					?
11					SAN DIEGO FORMATION: Light yellow brown, damp, dense, fine-grained, micaceous, silty sand (SM) with traces of sub-rounded gravel up to 1" in maximum dimension.	5.0		
12		35	0.3					

NOTES:

Bottom of borehole at 12 feet.

No groundwater or seepage encountered at time of drilling.

**PROJECT NO.
174 GS-15**

ALLIED GEOTECHNICAL ENGINEERS, INC.

FIGURE A-13

BORING NO. B-12

DATE OF DRILLING: DECEMBER 3, 2015

TOTAL BORING DEPTH: 12 FEET

GENERAL LOCATION: IN FRONT OF 6150 ESTELLE STREET

APPROXIMATE SURFACE ELEV.: +463 FEET MSL

DRILLING CONTRACTOR: TRI-COUNTY DRILLING, INC..

DRILLING METHOD: 8 INCH HSA

LOGGED BY: NICK BARNES

DEPTH (FEET)	SAMPLES	BLOW COUNTS BLOWS/FOOT	OVM READING (PPM)	GRAPHIC LOG	SOIL DESCRIPTION	FIELD MOISTURE % DRY WT.	DRY DENSITY LBS./CU. FT.	REMARKS
1					PAVEMENT SECTION: 7" A.C. & no base.			
2			?		FILL: Yellow brown, wet, gravelly silty sand (SM).			?
3					VERY OLD PARALIC DEPOSITS			
4	1				Yellowish brown to reddish yellow, damp to wet, dense, gravelly silty sand (SM). Gravels are sub-rounded, up to 1" in maximum dimension.			?
5			?					
6	2	10	1.4		SAN DIEGO FORMATION	14.3		
7	3				Yellowish brown to brownish yellow, damp to wet, medium dense, fine-grained, micaceous, silty sand(SM).			
8								
9								
10								
11	4	23	0.7		Becoming light yellow brown to olive yellow in color.	7.3	98.4	
12								

NOTES:

Bottom of borehole at 12 feet.

No groundwater or seepage encountered at time of drilling.

**PROJECT NO.
174 GS-15**

ALLIED GEOTECHNICAL ENGINEERS, INC.

FIGURE A-14

APPENDIX B
LABORATORY TESTING

APPENDIX B

LABORATORY TESTING

Selected soil samples were tested in the laboratory to verify visual field classifications and to evaluate certain engineering characteristics. The testing was performed in accordance with the American Society for Testing and Materials (ASTM) or other generally accepted test methods, and included the following:

- Determination of in-place moisture content (ASTM D2216). The final test results are presented on the boring logs;
- Determination of in-place dry density and moisture content (ASTM D2937) based on relatively undisturbed drive samples. The final test results are presented on the boring logs;
- Maximum density and optimum moisture content (ASTM D1557). The final test results are presented on Figures B-1 and B-2;
- Sieve and hydrometer analyses (ASTM D422), and the final test results are plotted as gradation curves on Figures B-3 and B-4;
- Expansion index (ASTM D4829). The final test results are presented in Table B-1; and
- Atterberg Limits (ASTM D4318) and the test results are presented in Table B-1.

In addition, representative samples of the onsite soil materials were delivered to Clarkson Laboratory and Supply, Inc. for analytical (chemical) testing to determine soil pH and resistivity, soluble sulfate and chloride concentrations, and bicarbonate content. Copies of Clarkson's laboratory test data reports are included herein.

Table B-1

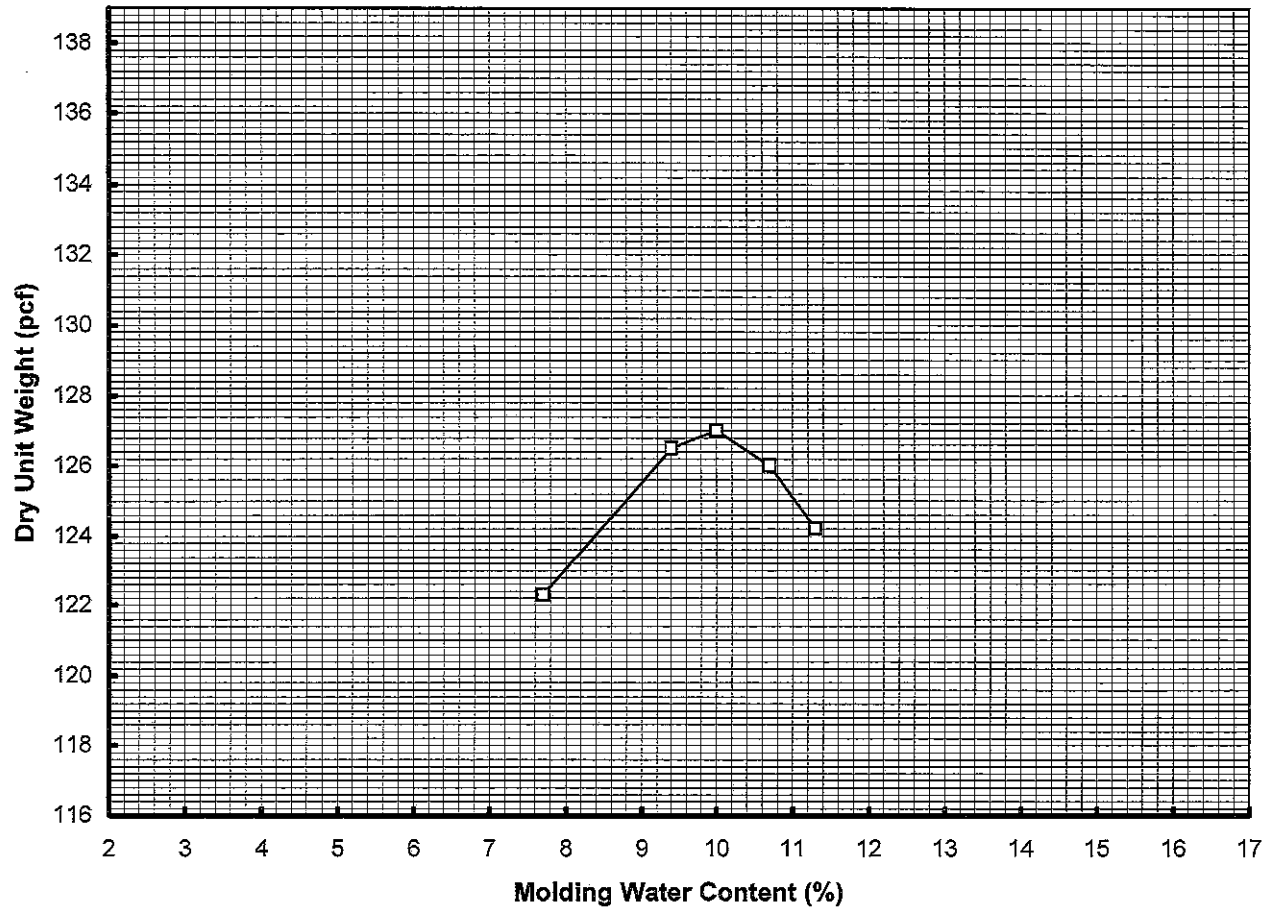
Summary of Expansion Index and Atterberg Limit Test Results

Sample ID	Expansion Index	Liquid Limit	Plastic Limit	Plasticity Index
B-3 #2 @3'-6'	39	29	8	21
B-4 # 2 @5'-8'	84	38	10	28
B-11 #2 @3'-5'	31	31	8	23

COMPACTION CURVE

Test Method: ASTM D 1557

Compaction Procedure: C Specimen Preparation Method: Moist or Dry



5

Sample I.D.	Sample Type	Depth (ft)	OPT. WC (%)	MAX. DUW (pcf)	LL	PI	Description and/or Classification
B-6 #2	Bulk	5-7	10.0	127.0			Brown, fine silty sand

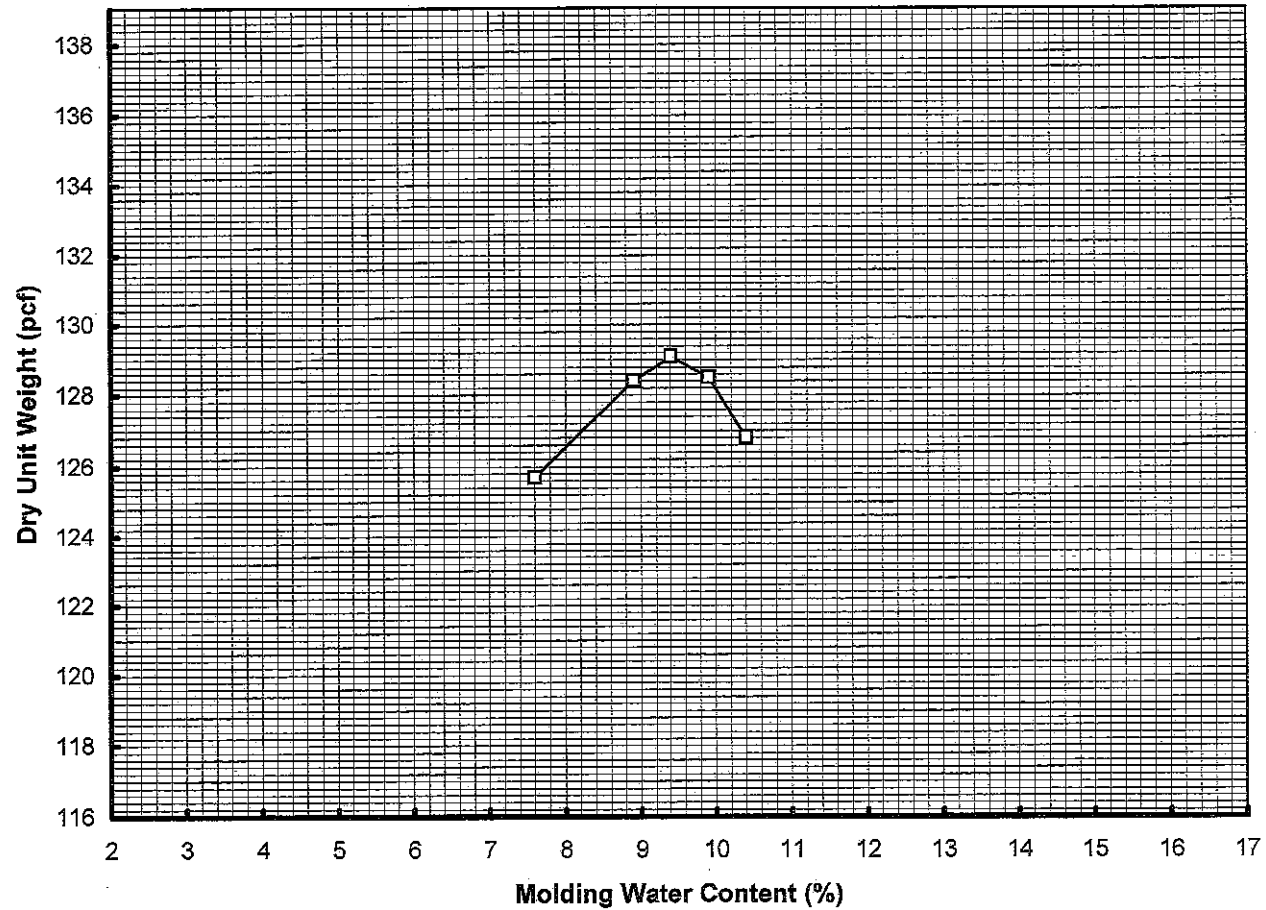
**BLOCK 7G2 UTILITIES UNDERGROUNDING PROJECT
CITY OF SAN DIEGO**

PROJECT NO. 174 GS-15-A	ALLIED GEOTECHNICAL ENGINEERS, INC.	FIGURE B-1
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COMPACTION CURVE

Test Method: ASTM D 1557

Compaction Procedure: C Specimen Preparation Method: Moist or Dry



5

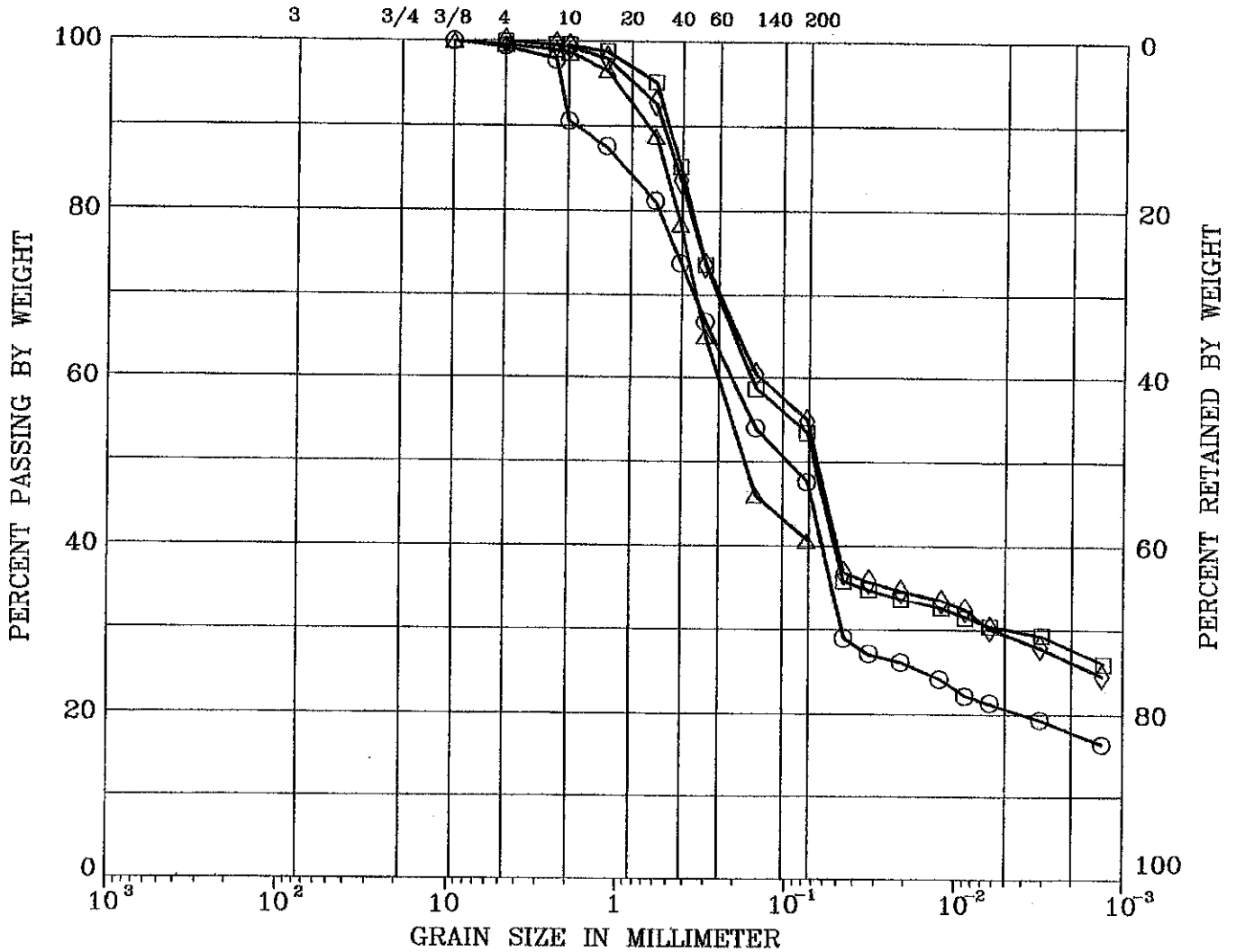
Sample I.D.	Sample Type	Depth (ft)	OPT. WC (%)	MAX. DUW (pcf)	LL	PI	Description and/or Classification
B-12 #3	Bulk	6-9	9.4	129.1			Brown, fine silty sand

**BLOCK 7G2 UTILITIES UNDERGROUNDING PROJECT
CITY OF SAN DIEGO**

PROJECT NO. 174 GS-15-A	ALLIED GEOTECHNICAL ENGINEERS, INC.	FIGURE B-2
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UNIFIED SOIL CLASSIFICATION

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	
U.S. SIEVE SIZE IN INCHES			U.S. STANDARD SIEVE No.			HYDROMETER



SYMBOL	BORING	DEPTH (ft)	LL (%)	PI (%)	DESCRIPTION
○	B-3#2	3-6	29	21	CLAYEY SAND (SC)
□	B-4#2	6-8	38	28	SANDY CLAY (CL)
△	B-6#2	5-7			SILTY SAND (SM)
◇	B-11#2	3-5	31	23	SANDY CLAY (CL)

Remark :

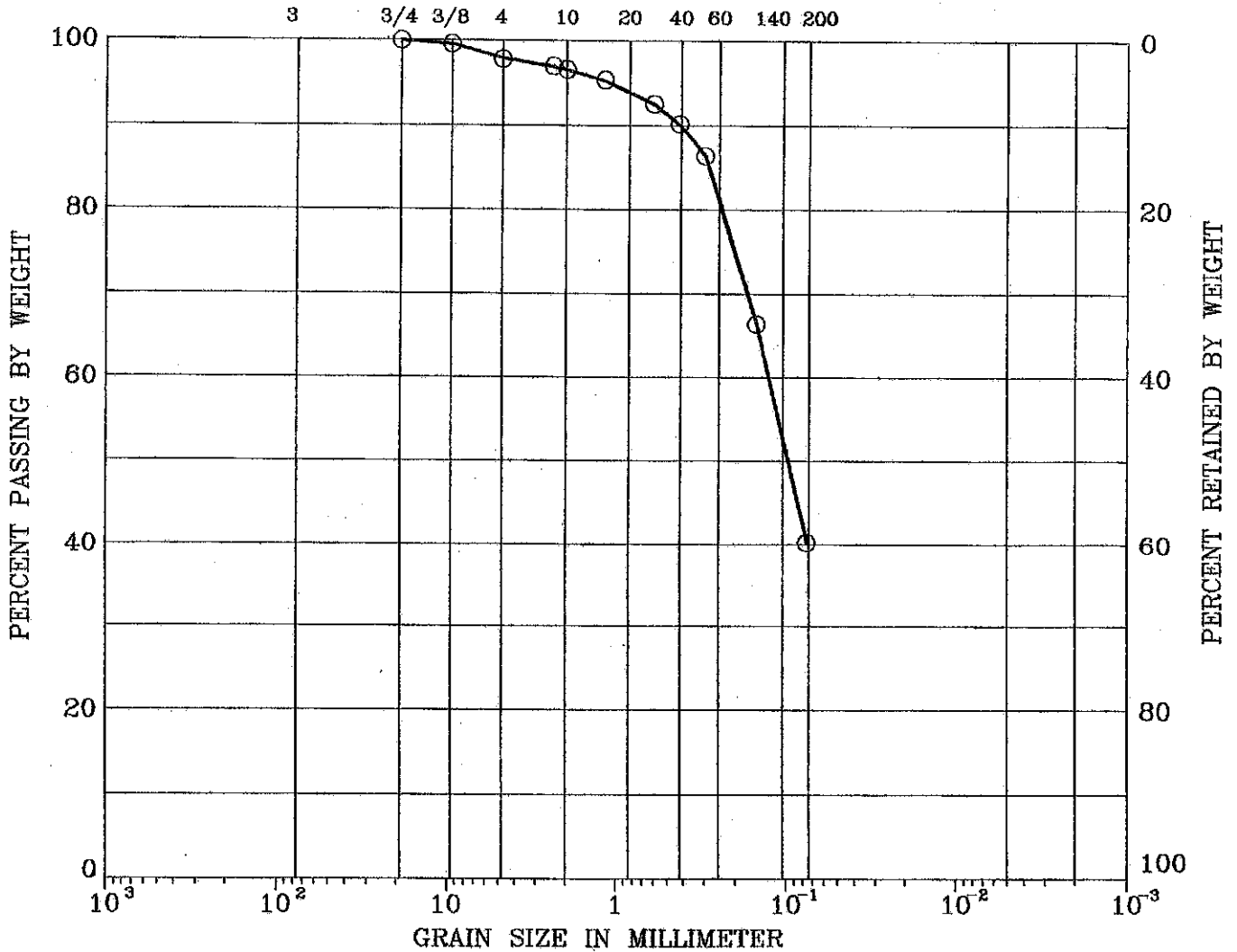
Project 174 GS-15A	BLOCK 7G2 UTILITIES UNDERGROUNDING PROJECT
--------------------	--

ALLIED GEOTECHNICAL ENGINEERS, INC.

GRAIN SIZE DISTRIBUTION Figure B-3

UNIFIED SOIL CLASSIFICATION

<i>COBBLES</i>	<i>GRAVEL</i>		<i>SAND</i>			<i>SILT OR CLAY</i>
	COARSE	FINE	COARSE	MEDIUM	FINE	
U.S. SIEVE SIZE IN INCHES			U.S. STANDARD SIEVE No.			HYDROMETER



SYMBOL	BORING	DEPTH (ft)	LL (%)	PI (%)	DESCRIPTION
○	B-12#3	6-9			SILTY SAND (SM)

Remark :

Project 174 GS-15A	BLOCK 7G2 UTILITIES UNDERGROUNDING PROJECT	
ALLIED GEOTECHNICAL ENGINEERS, INC. Block 7G2 UUP Attachment E - Technical Specifications	GRAIN SIZE DISTRIBUTION	Figure B-4 149 Page

L A B O R A T O R Y R E P O R T

Telephone (619) 425-1993 Fax 425-7917 Established 1928

C L A R K S O N L A B O R A T O R Y A N D S U P P L Y I N C .
350 Trousdale Dr. Chula Vista, Ca. 91910 www.clarksonlab.com
A N A L Y T I C A L A N D C O N S U L T I N G C H E M I S T S

Date: December 14, 2015
Purchase Order Number: PROJECT#174GS-15
Sales Order Number: 29554
Account Number: ALLG

To:

Allied Geotechnical Engineers
1810 Gillespie Way Ste 104
El Cajon, CA 92020
Attention: Sani Sutanto

Laboratory Number: SO5878-1 Customers Phone: 449-5900
Fax: 449-5902

Sample Designation:

One soil sample received on 12/10/15 at 1:20pm,
taken on 12/10/15 from Project# 174 GS-15
Block 7G2 Undergrounding marked as B-3 #1 @ 2'-3.

Analysis By California Test 643, 1999, Department of Transportation
Division of Construction, Method for Estimating the Service Life of
Steel Culverts.

pH 8.3

Water Added (ml)	Resistivity (ohm-cm)
10	1700
5	950
5	870
5	900
5	950

- 29 years to perforation for a 16 gauge metal culvert.
- 38 years to perforation for a 14 gauge metal culvert.
- 52 years to perforation for a 12 gauge metal culvert.
- 66 years to perforation for a 10 gauge metal culvert.
- 81 years to perforation for a 8 gauge metal culvert.

Water Soluble Sulfate Calif. Test 417 0.020% (200ppm)

Water Soluble Chloride Calif. Test 422 0.007% (75ppm)

Bicarbonate (as CaCO₃) N/A
(In a saturated soil paste extract)

Note: N/A = Unable to determine due to the texture of the soil (Clay).



Laura Torres
LT/ilv

LABORATORY REPORT

Telephone (619) 425-1993 Fax 425-7917 Established 1928

CLARKSON LABORATORY AND SUPPLY INC.
350 Trousdale Dr. Chula Vista, Ca. 91910 www.clarksonlab.com
ANALYTICAL AND CONSULTING CHEMISTS

Date: December 16, 2015
Purchase Order Number: PROJECT#174GS-15
Sales Order Number: 29554
Account Number: ALLG

To:

Allied Geotechnical Engineers
1810 Gillespie Way Ste 104
El Cajon, CA 92020
Attention: Sani Sutanto

Laboratory Number: SO5878-2 Customers Phone: 449-5900
Fax: 449-5902

Sample Designation:

One soil sample received on 12/10/15 at 1:20pm,
taken on 12/10/15 from Block 7G2 Undergrounding
marked as B-4 #1 @ 2'-3'

Analysis By California Test 643, 1999, Department of Transportation
Division of Construction, Method for Estimating the Service Life of
Steel Culverts.

pH 8.2

Table with 2 columns: Water Added (ml) and Resistivity (ohm-cm). Rows show values for 10, 5, 5, 5, 5, 5, 5 ml of water added, corresponding resistivity values of 4300, 1600, 1100, 760, 760, 780, 800.

- 27 years to perforation for a 16 gauge metal culvert.
36 years to perforation for a 14 gauge metal culvert.
49 years to perforation for a 12 gauge metal culvert.
63 years to perforation for a 10 gauge metal culvert.
76 years to perforation for a 8 gauge metal culvert.

Water Soluble Sulfate Calif. Test 417 0.016% (160 ppm)
Water Soluble Chloride Calif. Test 422 0.002% (21 ppm)
Bicarbonate (as CaCO3) N/A
(In a saturated soil paste extract)

Note: N/A = Unable to determine due to the texture of the soil (Clay).

Laura Torres
Laura Torres
LT/dbb

LABORATORY REPORT

Telephone (619) 425-1993 Fax 425-7917 Established 1928

CLARKSON LABORATORY AND SUPPLY INC.
350 Trousdale Dr. Chula Vista, Ca. 91910 www.clarksonlab.com
ANALYTICAL AND CONSULTING CHEMISTS

Date: December 14, 2015
Purchase Order Number: PROJECT#174GS-15
Sales Order Number: 29554
Account Number: ALLG

To:

Allied Geotechnical Engineers
1810 Gillespie Way Ste 104
El Cajon, CA 92020
Attention: Sani Sutanto

Laboratory Number: SO5878-3 Customers Phone: 449-5900
Fax: 449-5902

Sample Designation:

One soil sample received on 12/10/15 at 1:20pm,
taken on 12/10/15 from Block 7G2 Undergrounding
marked as B-7 #1 @ 4'-5'.

Analysis By California Test 643, 1999, Department of Transportation
Division of Construction, Method for Estimating the Service Life of
Steel Culverts.

pH 6.7

Table with 2 columns: Water Added (ml) and Resistivity (ohm-cm). Rows show values for 10, 5, 5, 5, 5, 5 ml of water added and corresponding resistivity values of 3000, 1800, 1100, 1000, 1300, 1500.

- 17 years to perforation for a 16 gauge metal culvert.
22 years to perforation for a 14 gauge metal culvert.
31 years to perforation for a 12 gauge metal culvert.
39 years to perforation for a 10 gauge metal culvert.
48 years to perforation for a 8 gauge metal culvert.

Water Soluble Sulfate Calif. Test 417 0.004% (36ppm)

Water Soluble Chloride Calif. Test 422 0.001% (11ppm)

Bicarbonate (as CaCO3) N/A
(In a saturated soil paste extract)

Note: N/A = Unable to determine due to the texture of the soil (Clay).

Laura Torres
Laura Torres
LT/ilv

L A B O R A T O R Y R E P O R T

Telephone (619) 425-1993 Fax 425-7917 Established 1928

C L A R K S O N L A B O R A T O R Y A N D S U P P L Y I N C.
350 Trousdale Dr. Chula Vista, Ca. 91910 www.clarksonlab.com
A N A L Y T I C A L A N D C O N S U L T I N G C H E M I S T S

Date: December 14, 2015
Purchase Order Number: PROJECT#174GS-15
Sales Order Number: 29554
Account Number: ALLG

To:

Allied Geotechnical Engineers
1810 Gillespie Way Ste 104
El Cajon, CA 92020
Attention: Sani Sutanto

Laboratory Number: S05878-4 Customers Phone: 449-5900
Fax: 449-5902

Sample Designation:

One soil sample received on 12/10/15 at 1:20pm,
taken on 12/10/15 from Block 7G2 Undergrounding
marked as B-10 #1 @ 3'-4'.

Analysis By California Test 643, 1999, Department of Transportation
Division of Construction, Method for Estimating the Service Life of
Steel Culverts.

pH 5.7

Water Added (ml)	Resistivity (ohm-cm)
10	3500
5	1900
5	1300
5	1000
5	1100
5	1300
5	1600

- 9 years to perforation for a 16 gauge metal culvert.
- 12 years to perforation for a 14 gauge metal culvert.
- 17 years to perforation for a 12 gauge metal culvert.
- 22 years to perforation for a 10 gauge metal culvert.
- 26 years to perforation for a 8 gauge metal culvert.

Water Soluble Sulfate Calif. Test 417	0.011% (110ppm)
Water Soluble Chloride Calif. Test 422	0.004% (43ppm)
Bicarbonate (as CaCO ₃) (In a saturated soil paste extract)	N/A

Note: N/A = Unable to determine due to the texture of the soil (Clay).



Laura Torres
LT/ram

L A B O R A T O R Y R E P O R T

Telephone (619) 425-1993 Fax 425-7917 Established 1928

C L A R K S O N L A B O R A T O R Y A N D S U P P L Y I N C .
350 Trousdale Dr. Chula Vista, Ca. 91910 www.clarksonlab.com
A N A L Y T I C A L A N D C O N S U L T I N G C H E M I S T S

Date: December 16, 2015
Purchase Order Number: PROJECT#174GS-15
Sales Order Number: 29554
Account Number: ALLG
To:

Allied Geotechnical Engineers
1810 Gillespie Way Ste 104
El Cajon, CA 92020
Attention: Sani Sutanto

Laboratory Number: S05878-5 Customers Phone: 449-5900
Fax: 449-5902

Sample Designation:

One soil sample received on 12/10/15 at 1:20pm,
taken on 12/10/15 from Block 7G2 Undergrounding
marked as B-11 #1 @ 2'-3'

Analysis By California Test 643, 1999, Department of Transportation
Division of Construction, Method for Estimating the Service Life of
Steel Culverts.

pH 6.9

Water Added (ml)	Resistivity (ohm-cm)
10	2100
5	1100
5	550
5	460
5	450
5	470
5	490

- 13 years to perforation for a 16 gauge metal culvert.
- 17 years to perforation for a 14 gauge metal culvert.
- 24 years to perforation for a 12 gauge metal culvert.
- 30 years to perforation for a 10 gauge metal culvert.
- 37 years to perforation for a 8 gauge metal culvert.

Water Soluble Sulfate Calif. Test 417	0.026% (260 ppm)
Water Soluble Chloride Calif. Test 422	0.033% (330 ppm)
Bicarbonate (as CaCO ₃) (In a saturated soil paste extract)	N/A

Note: N/A = Unable to determine due to the texture of the soil (Clay).



Laura Torres
LT/dbb

**UTILITIES UNDERGROUNDING
PROGRAM
Block 7G2
SDG&E
DESIGN BY LOCATION
(DBL)
SHEETS**

DP001EMZ-LOCAL40-001
11:36

SAN DIEGO GAS AND ELECTRIC
DPSS - DESIGN REVIEW COPY - DETAIL
09/05/17

PAGE NO 1

USER ID: TS22040

PROJECT: 253568 NAME: ROLANDO BLK 7G2 20SD CONV STATUS: ACT

JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT

WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATIONS: THROUGH

PRINTER ID: EMAIL NOTE: DUE TO THE SIZE OF YOUR REPORT IT HAS BEEN REROUTED TO THE MAIN COMPUTER CENTER

COPIES REQUESTED: 1

DISTRIBUTE TO: SHARON K DENKINS

JOB PRIORITY: 1

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
LOCATION: VARIOUS LOCATIONS ADDRESS: CITY: SD THOMAS BROTHERS: 1270-C4
DISTRICT: CM ADDRESS: 701-C 33RD ST SAN DIEGO 92102 PHONE: 699-1039 COST CENTER:
DESIGNED BY: GEORGE BONNER PHONE: 999-9999
JOB COORD: DEBORA E RITCH PHONE: 636-3968 PROJECT MGR: DEBORA E RITCH PHONE: 636-3968
CONSTRUCTION REVIEW BY: _____ DATE: _____

JOINT CONSTRUCTION
UG ELECT: N
GAS: N
TELCO: N TELCO ENG: PHONE: () -
MPOE:
CATV: N CATV ENG: PHONE: () -

RIGHT-OF-WAY REQUIRED: INFO:
PERMITS REQUIRED: AGENCY:
TRAFFIC CONTROL REQ: PLAN NO:

EXISTING FACILITIES INSTALLED ON: _____

RELATED CONSTRUCTION JOBS

PLANS / REFERENCE MAPS

WO#	PROJ	JOB	REV	TYPE	NAME	TYPE	NUMBER	DESCRIPTION
NO RELATED CONSTRUCTION JOBS FOUND					NO PLANS / REFERENCE MAPS FOUND			

ONE-WAY TRAVEL HOURS: 0.5 YARD TIME: 1.2 TRAVEL / YARD FACTOR: 0.3793

CONTINGENCY FACTORS: NO CONTINGENCY FACTORS FOUND

ESTIMATED CREW REQUIREMENTS:	CREW TYPE	DESCRIPTION	CREW HOURS	MAN-HOURS

DP001EM2-LOCAL40-001
09/05/17 11:36

SAN DIEGO GAS AND ELECTRIC
DPSS - DESIGN REVIEW COPY - DETAIL

PAGE NO 3

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
LOCATION: VARIOUS LOCATIONS ADDRESS: CITY: SD THOMAS BROTHERS: 1270-C4
DISTRICT: CM ADDRESS: 701-C 33RD ST SAN DIEGO 92102 PHONE: 699-1039 COST CENTER:
DESIGNED BY: GEORGE BONNER PHONE: 999-9999
JOB COORD: DEBORA E RITCH PHONE: 636-3968 PROJECT MGR: DEBORA E RITCH PHONE: 636-3968

CONST NOTES: NO CONSTRUCTION NOTES FOUND

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 001 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 001 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		PUMP-S		PUMP AND/OR CLEAN MH/HH	1	EA	U		S	C		PUMPT	2.0
												2WF3	2.0
I-N		VENT-C		TEST/VENTILATE M.H. (CONNECTIONS)	1	EA	U		S	C		2WF3	0.4
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	U		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	U		S	C		TC4	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

M2167874935

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 002 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 002 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 003 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 003 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	30	FT	C		S	C	G7453	3-WF3	11.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	30	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	30	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN						C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	30	FT	C		S	C	3373.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	30	FT							
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	30	FT	C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY							
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA							
				656400	SLURRY MIX, 1 SACK SAND	1	CY							
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	33	FT	C		S	C	3376.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	33	FT							
				656400	SLURRY MIX, 1 SACK SAND	1	CY							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 004 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 004 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	58	FT	C		S	C		G7453	3-WF3	21.4
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	58	FT	C		S	C			3-WF3	0.9
														C-BC	0.9
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	58	FT	C		S	C		G7405	3-WF3	0.2
				611492	SAND, FILL RECYCLED MATLS PREFERRED	4	TN		C					C-BH	0.2
														C-DT	0.2
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	58	FT	C		S	C		3373.1	3-WF3	0.9
				249664	CONDUIT DB 3 IN 20 FT LENGTH	58	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	58	FT	C		S	C			C-DT	1.5
				X30007	DUMPING FEE	6	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	58	FT	C		S	C			3-WF3	5.8
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C		G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C					C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C			C-DT	0.5
				X30007	DUMPING FEE	2	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	6	FT	C		S	C		G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	63	FT	C		S	C		3376.1	3-WF3	0.9
				249664	CONDUIT DB 3 IN 20 FT LENGTH	63	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 005 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 005 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA	C						
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA	C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		SAW-CC		SAW CUT CONCRETE	5	FT	C		S	C		SR-3C	1.3
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY	C						

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SH 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 006 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 006 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION										

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
					SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 007 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 007 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	530		FT	C		S	C		SR3AS	13.8
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	530		FT	C		S	C	G7453	C-BC	26.5
				X20201	TRAFFIC BEARING STEEL PLATE	530		EA		C				C-BH	26.5
				114215	ASPHALT, COLD MIX	5		TN		C				3SWF4	53.0
I-N			REM-4		TRENCH SPOIL 4 FT DEPTH	530		FT	C		S	C		C-DT	63.6
				X30007	DUMPING FEE	181		CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	1590		FT	C		S	C	G7409	3-WF3	3.2
				656400	SLURRY MIX, 1 SACK SAND	89		CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	530		FT	C		S	C		C-BC	35.5
				X20022	GRIND ASPHALT (PER SF)	530		SF		C				SR-3A	35.5
				114201	ASPHALT (BASE)	48		TN		C					
				114202	ASPHALT (TOP)	12		TN		C					
I-N			2DB5SL		2-5 IN DB CONDUIT SLURRY ENCASED	490		FT	C		S	C	3376.1	3-WF3	6.9
				249728	CONDUIT DB 5 IN 20 FT LENGTH	980		FT		C					
				656400	SLURRY MIX, 1 SACK SAND	16		CY		C					
I-N			2-5SLS		2-5 IN DB 22.5 D 25 FT R SLURRY ENCASED	4		EA	C		S	C	3373.2	3-WF3	1.3
				321856	BEND CONDUIT DB 5 IN 22.5 D 25 FT R	8		EA		C					
				656400	SLURRY MIX, 1 SACK SAND	2		CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1		FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1		TN		C					
I-N			XING/S		TRAFFIC COND. (KING LANE) STREET REPAIR	1		FT	C		S	C		TC4	0.1
I-N			ARRO-B		TC-ARROW BOARD ASSIST FOR TRENCHING	1		HR	C		S	C		ARROB	1.0
I-N			FLAG-U		TC-FLAGGING	1		HR	C		S	C		C-FL	1.0

WORK	FAC															
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES											

SEE SHT 7,8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 008 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 008 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION										

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
------	-----	------	-----------	---------	--------------------

SEE SH 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 009 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 009 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-1CT		ASPHALT 1 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.1
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	1	EA	C		S	C	3313	BOOMT	3.0
				400302	3313 TRAFFIC COVER HANDHOLE COMPLETE	1	EA		C				3-AP4	0.5
I-N			X13H-A		EXCAVATE 3313 HANDHOLE	1	EA	C		S	C	3313.2	3SWF3	0.4
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 010 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 010 OF 587

WRK	F-C	MU	ID	AU	ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	EST	HOURS
							NO DESIGN UNITS FOR THIS LOCATION											

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 011 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 011 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	10	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	10	FT	C						
			656400		SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C						
			656400		SLURRY MIX, 1 SACK SAND	1	CY	C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 012 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 012 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	RSP	RSP	TRT	TRT	STANDARD	PAGE	CREW	EST
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	25	FT	C		S	C	G7453			3-WF3	9.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	25	FT	C		S	C				3-WF3	0.4
															C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	25	FT	C		S	C	G7405			3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C						C-BH	0.1
															C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	25	FT	C		S	C	3373.1			3-WF3	0.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	25	FT		C							
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	25	FT	C		S	C				C-DT	0.6
				X30007	DUMPING FEE	3	CY		C							
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	25	FT	C		S	C				SR3AS	1.0
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	25	FT	C		S	C				SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453			C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C						C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C						3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C				C-DT	0.5
				X30007	DUMPING FEE	2	CY		C							
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409			3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C							
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	31	FT	C		S	C	3376.1			3-WF3	0.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	31	FT		C							
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C							
I-N			SAW-CC		SAW CUT CONCRETE	5	FT	C		S	C				SR-3C	1.3
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C			SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C			TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C			TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 013 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 013 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1		EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1		EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1		EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1		EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3		EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3		EA		C					
				656400	SLURRY MLX, 1 SACK SAND	1		CY		C					
I-N			SAW-CC		SAW CUT CONCRETE	5		FT	C		S	C		SR-3C	1.3
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1		EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1		CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 014 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 014 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	120	FT	C		S	C		SR3AS	3.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	125	FT	C		S	C	G7453	C-BC	5.0
			X20201		TRAFFIC BEARING STEEL PLATE	94	EA		C				C-BH	5.0
			114215		ASPHALT, COLD MIX	2	TN		C				3SWF4	10.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	125	FT	C		S	C		C-DT	11.0
			X30007		DUMPING FEE	32	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	375	FT	C		S	C	G7409	3-WF3	0.8
			656400		SLURRY MIX, 1 SACK SAND	21	CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	120	FT	C		S	C		C-BC	8.0
			X20022		GRIND ASPHALT (PER SF)	120	SF		C				SR-3A	8.0
			114201		ASPHALT (BASE)	11	TN		C					
			114202		ASPHALT (TOP)	3	TN		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	120	FT	C		S	C	3376.1	3-WF3	1.7
			249664		CONDUIT DB 3 IN 20 FT LENGTH	120	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

STANDARD LOCATION ID TC3SLC
SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 015 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 015 OF 587

WRK	MAT	TIM	ACC	STANDARD	CREW	EST	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST		
F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES				RQD	UM	RSP	BSP	TRT	TRT	PAGE	TYPE	HOURS
				NO DESIGN UNITS FOR THIS LOCATION												

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 016 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 016 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	40	FT	C		S	C	G7453	3-WF3	14.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	40	FT	C		S	C		3-WF3	0.6
													C-BC	0.6
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	40	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	3	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	40	FT	C		S	C	3373.1	3-WF3	0.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	40	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	40	FT	C		S	C		C-DT	1.0
				X30007	DUMPING FEE	4	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	35	FT	C		S	C		3-WF3	3.5
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	6	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 017 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 017 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	42	FT	C		S	C	G7453	3-WF3	15.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	42	FT	C		S	C		3-WF3	0.6
													C-BC	0.6
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	42	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	3	TN						C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	42	FT	C		S	C	3373.1	3-WF3	0.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	42	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	42	FT	C		S	C		C-DT	1.1
				X30007	DUMPING FEE	4	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	42	FT	C		S	C		3-WF3	4.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	3	FT	C		S	C	G7453	C-BC	0.1
				X20201	TRAFFIC BEARING STEEL PLATE	3	EA			C			C-BH	0.1
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	0.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	3	FT	C		S	C		C-DT	0.3
				X30007	DUMPING FEE	1	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	9	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	3	FT	C		S	C	3376.1	3-WF3	
				249664	CONDUIT DB 3 IN 20 FT LENGTH	3	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 018 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 018 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA	C						
I-N		X09H26			INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA	C						
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		SAW-CC			SAW CUT CONCRETE	5	FT	C		S	C		SR-3C	1.3
I-N		CC-WLK			CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY	C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 019 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 019 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	113	FT	C		S	C	3376.1	3-WF3	1.6
			249664		CONDUIT DB 3 IN 20 FT LENGTH	113	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	U		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		U					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		U					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	U		S	C		3-WF3	0.5

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 020 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 020 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA			C				
I-N		X-XF1P			PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W			TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB			C				
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	7	EA	C		S	C	3373.2	3-WF3	0.4
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	7	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N		LN-S/U			TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S			LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218218	SEE SH7 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 021 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 021 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	86	FT	C		S	C		SR3AS	2.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	90	FT	C		S	C	G7453	C-BC	3.6
			X20201		TRAFFIC BEARING STEEL PLATE	68	EA			C			C-BH	3.6
			114215		ASPHALT, COLD MIX	1	TN			C			3SWF4	7.2
I-N			REM-3		TRENCH SPOIL 3 FT DEPTH	90	FT	C		S	C		C-DT	7.9
			X30007		DUMPING FEE	23	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	270	FT	C		S	C	G7409	3-WF3	0.5
			656400		SLURRY MIX, 1 SACK SAND	16	CY			C				
I-N			AB-M18		ASPHALT BASE MECH 18 IN	86	FT	C		S	C		C-BC	2.3
			114201		ASPHALT (BASE)	10	TN			C			SR4AL	2.3
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	60	FT	C		S	C	3376.1	3-WF3	0.8
			249664		CONDUIT DB 3 IN 20 FT LENGTH	60	FT			C				
			656400		SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
			322144		BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215		ASPHALT, COLD MIX	1	TN			C				
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

STANDARD LOCATION ID TC3SLC
SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 022 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 022 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	YAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	25	FT	C		S	C	G7453	3-WF3	9.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	25	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	25	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	25	FT	C		S	C	3373.1	3-WF3	0.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	25	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	25	FT	C		S	C		C-DT	0.6
				X30007	DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	15	FT	C		S	C		SR3AS	0.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	15	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWE4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	6	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			SAW-CC		SAW CUT CONCRETE	5	FT	C		S	C		SR-3C	1.3
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SH7 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 023 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 023 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
			X30007		DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.8
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	20	FT	C		S	C		SR3CS	0.1
I-N			BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	5	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C		C-DT	0.5
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	6	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 024 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 024 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	47	FT	C		S	C		SR3AS	1.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	54	FT	C		S	C	G7453	C-BC	2.2
				X20201	TRAFFIC BEARING STEEL PLATE	41	EA			C			C-BH	2.2
				114215	ASPHALT, COLD MIX	1	TN			C			3SWE4	4.3
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	54	FT	C		S	C		C-DT	4.8
				X30007	DUMPING FEE	14	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	162	FT	C		S	C	G7409	3-WF3	0.3
				656400	SLURRY MIX, 1 SACK SAND	10	CY			C				
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	47	FT	C		S	C		C-BC	3.1
				X20022	GRIND ASPHALT (PER SF)	47	SF			C			SR-3A	3.1
				114201	ASPHALT (BASE)	5	TN			C				
				114202	ASPHALT (TOP)	1	TN			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	34	FT	C		S	C	3376.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	34	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7,8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 025 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 025 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT		C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT		C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT		C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	20	FT		C		S	C		SR3AS	0.8
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	20	FT		C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT		C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C					C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT		C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT		C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	6	FT		C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			SAW-CC		SAW CUT CONCRETE	5	FT		C		S	C		SR-3C	1.3
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK	FAC															
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES											

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 026 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 026 OF 587

WRK	F-C	IMU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	10	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	10	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
I-N			R-KCES		EXCESS TRENCH SPOIL (12 IN DEEP)	10	FT	C		S	C		C-DT	0.3
				X30007	DUMPING FEE	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWE4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	6	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN-S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 027 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 027 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			SAW-CC		SAW CUT CONCRETE	5	FT	C		S	C		SR-3C	1.3
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 028 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 028 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	5 FT	C		S	C	G7453	3-WF3	2.3	
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	5 FT	C		S	C		3-WF3	0.1	
											C-BC	0.1	
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	5 FT	C		S	C	G7405	3-WF3		
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1 TN		C				C-BH		
											C-DT		
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	5 FT	C		S	C	3373.1	3-WF3	0.1	
			249664	CONDUIT DB 3 IN 20 FT LENGTH	5 FT		C						
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	5 FT	C		S	C		C-DT	0.1	
			X30007	DUMPING FEE	1 CY		C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	5 FT	C		S	C		3-WF3	0.5	
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10 FT	C		S	C	G7453	C-BC	0.4	
			X20201	TRAFFIC BEARING STEEL PLATE	8 EA		C				C-BH	0.4	
			114215	ASPHALT, COLD MIX	1 TN		C				3SWF4	0.8	
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	10 FT	C		S	C		C-DT	0.9	
			X30007	DUMPING FEE	3 CY		C						
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30 FT	C		S	C	G7409	3-WF3	0.1	
			656400	SLURRY MIX, 1 SACK SAND	2 CY		C						
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	68 FT	C		S	C	3376.1	3-WF3	1.0	
			249664	CONDUIT DB 3 IN 20 FT LENGTH	68 FT		C						
			656400	SLURRY MIX, 1 SACK SAND	2 CY		C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2 EA	C		S	C	3373.2	3-WF3	0.1	
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2 EA		C						
			656400	SLURRY MIX, 1 SACK SAND	1 CY		C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1 EA	C		S	C		TC3	1.0	
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1 EA	C		S	C		TC4	1.0	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7,8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 029 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 029 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	139	FT	C		S	C		3376.1	3-WF3	1.9
				249664	CONDUIT DB 3 IN 20 FT LENGTH	139	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C		3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7,8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 030 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 030 OF 587

WRK	F-C	UM	ID	AU	ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
															PAGE	TYPE	HOURS
I-N				AS-2CT			ASPHALT 2 SAW CUT AND BREAK MECH	120	FT		C		S	C		SR3AS	3.1
I-N				BH03XH			MACH DIG TRENCH 3 FT DEEP BACKHOE	136	FT		C		S	C	G7453	C-BC	5.4
					X20201		TRAFFIC BEARING STEEL PLATE	102	EA		C					C-BH	5.4
					114215		ASPHALT, COLD MIX	2	TN		C					3SWF4	10.9
I-N				REM-3'			TRENCH SPOIL 3 FT DEPTH	136	FT		C		S	C		C-DT	12.0
					X30007		DUMPING FEE	34	CY		C						
I-N				SLR-18			BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	408	FT		C		S	C	G7409	3-WF3	0.8
					656400		SLURRY MIX, 1 SACK SAND	23	CY		C						
I-N				AS-M18			ASPHALT BASE & TOP MECH 18 IN	120	FT		C		S	C		C-BC	8.0
					X20022		GRIND ASPHALT (PER SF)	120	SF		C					SR-3A	8.0
					114201		ASPHALT (BASE)	11	TN		C						
					114202		ASPHALT (TOP)	3	TN		C						
I-N				1EB3SL			1-3 IN EB CONDUIT SLURRY ENCASED	136	FT		C		S	C	3376.1	3-WF3	1.9
					249664		CONDUIT DB 3 IN 20 FT LENGTH	136	FT		C						
					656400		SLURRY MIX, 1 SACK SAND	3	CY		C						
I-N				1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3	0.1
					322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
					656400		SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N				LN-S/U			TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N				LN/S/S			LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 031 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 031 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	10	FT	C		S	C	G7405	3-WF3	
						1	TN						C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	10	FT	C		S	C	3373.1	3-WF3	0.2
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	10	FT	C		S	C		C-DT	0.3
						1	CY							
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	3	FT	C		S	C	G7453	C-BC	0.1
				114215	ASPHALT, COLD MIX	1	TN						C-BH	0.1
													3SWF4	0.2
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	3	FT	C		S	C		C-DT	0.3
						1	CY							
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	9	FT	C		S	C	G7409	3-WF3	
						1	CY							
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	3	FT	C		S	C	3376.1	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	3	FT							
						1	CY							
I-N			SAW-CC		SAW CUT CONCRETE	5	FT	C		S	C		SR-3C	1.3
I-N			CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA	C		S	C		SR3CS	1.0
						1	CY							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 032 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 032 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	20	FT	C		S	C		3-WF3	2.0
I-N			BEO3XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	4	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	3	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.3
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	4	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	1	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	12	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	4	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	4	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			SAW-CC		SAW CUT CONCRETE	5	FT	C		S	C		SR-3C	1.3
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 033 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 033 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			SAW-CC		SAW CUT CONCRETE	5	FT	C		S	C		SR-3C	1.3
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 034 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 034 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			AS-1CT		ASPHALT 1 SAW CUT AND BREAK MECH	1	FT		C		S	C		SR3AS	
I-N		TC16SL	(EXPL)		3316 TC SLURRY BACKFILL INSTALL COMPLETE	1	EA		U		S	C	3316.3	C-BH	3.0
														C-DT	9.0
														SR3CS	1.5
														BOOMT	4.8
														3-AF4	3.0
														0-BC	0.2
														3-T2L	0.2
			AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA		C	C					
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C					
			C/P16H		COLD PATCH AND CLEAN-UP 3316 HH	1	EA		C	C					
				114200	ASPHALT (COLD PATCH)	2	TN			C					
			R/S16H		SPOIL FROM 3316 HH	1	EA		C	C					
				X30007	DUMPING FEE	31	CY			C					
			SHOR-H		SHORING PRIMARY HANDHOLES	1	EA		C	C					
				X30010	SHORING MATERIAL	39	EA			C					
			X16H-A		EXCAVATE 3316 HANDHOLE AVERAGE	1	EA		C	C			3316.4		
				601600	ROCK, DRY, 3/8" RECYCLED MATLS PREFERRED	2	TN			C					
			16H-SL		BACKFILL SLURRY 3316 HH	1	EA		C	C					
				248200	CONCRETE - 1 SACK (SAND MIX)	7	CY			C					
			3316TC		HANDHOLE 3316 WITH TRAFFIC COVER	1	EA		C	C			3316		
				400312	3316 TRAFFIC COVER HANDHOLE COMPLETE	1	EA			C					
I-N			RED5-4		CONDUIT BELL REDUCER DB 5 IN TO 4 IN	8	EA		C		S	C	3373.2		
				573384	CONDUIT BELL REDUCER 5 IN TO 4 IN	8	EA			C					
I-N			RED4-3		CONDUIT BELL REDUCER DB 4 IN TO 3 IN	1	EA		C		S	C	3373.2		
				573380	CONDUIT BELL REDUCER 4 IN TO 3 IN	1	EA			C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK	FAC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
I	PH		PRI HANDHOLE		H131541	SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 035 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 035 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	8	FT	C		S	C	G7453	C-BC	0.4
			X20201		TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8
I-N			REM-4		TRENCH SPOIL 4 FT DEPTH	8	FT	C		S	C		C-DT	1.0
			X30007		DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	24	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			2EB4SL		2-4 IN EB CONDUIT SLURRY ENCASED	139	FT	C		S	C	3376.1	3-WF3	1.9
			249710		CONDUIT DB 100 4 IN 20 FT LENGTH	278	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	5	CY		C					
I-N			2-4SLB		2-4 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322082		4 IN DB 100 90 D 36 IN R BEND	2	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 036 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 036 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			FC3PAD		PAD 3421 W/HH 3-PHASE FUSE CABINET	1	EA	C		S	C	3421.1	3-AF4	0.7
				162426	HANDHOLE BODY 17 IN X 30 IN X 12 IN 3312	1	EA			C				
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA			C				
I-N			XFC-3P		EXCAVATE 3421 PAD W/HH (3-PHASE F.C.)	1	EA	C		S	C	3421.2	3SWF3	0.6
I-N			TG-E-W		TRENCH GRD WIRE W/O RODS (EQUIP/SWI/HH)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB			C				
I-N			1-4SLB		1-4 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322082	4 IN DB 100 90 D 36 IN R BEND	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218254	STANDARD LOCATION ID 3PH-FC SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 037 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 037 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	100	FT	C		S	C		SR3AS	2.6
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	100	FT	C		S	C	G7453	C-BC	5.0
				X20201	TRAFFIC BEARING STEEL PLATE	100	EA		C				C-BH	5.0
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	10.0
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	100	FT	C		S	C		C-DT	12.0
				X30007	DUMPING FEE	34	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	300	FT	C		S	C	G7409	3-WF3	0.6
				656400	SLURRY MIX, 1 SACK SAND	17	CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	100	FT	C		S	C		C-BC	6.7
				X20022	GRIND ASPHALT (PER SF)	100	SF		C				SR-3A	6.7
				114201	ASPHALT (BASE)	9	TN		C					
				114202	ASPHALT (TOP)	3	TN		C					
I-N			2EB4SL		2-4 IN EB CONDUIT SLURRY ENCASED	325	FT	C		S	C	3376.1	3-WF3	4.6
				249710	CONDUIT DB 100 4 IN 20 FT LENGTH	650	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	12	CY		C					
I-N			2-4SLS		2-4 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA		C	S	C	3373.2	3-WF3	1.3
				321826	4 IN DB 100 22.5 D R BEND	8	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C	S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C	S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT		C	S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT		C	S	C		TC4	0.1
I-N			ARRO-B		TC-ARROW BOARD ASSIST FOR TRENCHING	1	HR		C	S	C		ARROB	1.0
I-N			FLAG-U		TC-FLAGGING	1	HR		C	S	C		C-FL	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 038 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 038 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	255	FT	C		S	C		SR3AS	6.6
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	255	FT	C		S	C	G7453	C-BC	12.8
			X20201		TRAFFIC BEARING STEEL PLATE	255	EA		C				C-BH	12.8
			114215		ASPHALT, COLD MIX	3	TN		C				3SWF4	25.5
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	255	FT	C		S	C		C-DT	30.6
			X30007		DUMPING FEE	87	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	765	FT	C		S	C	G7409	3-WF3	1.5
			656400		SLURRY MIX, 1 SACK SAND	43	CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	255	FT	C		S	C		C-BC	17.1
			X20022		GRIND ASPHALT (PER SF)	255	SF		C				SR-3A	17.1
			114201		ASPHALT (BASE)	23	TN		C					
			114202		ASPHALT (TOP)	6	TN		C					
I-N			1EB4SL		1-4 IN EB CONDUIT SLURRY ENCASED	332	FT	C		S	C	3376.1	3-WF3	4.6
			249710		CONDUIT DB 100 4 IN 20 FT LENGTH	332	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N			1-4SLS		1-4 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
			321826		4 IN DB 100 22.5 D R BEND	4	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215		ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			ARRO-B		TC-ARROW BOARD ASSIST FOR TRENCHING	1	HR	C		S	C		ARROB	1.0
I-N			FLAG-U		TC-FLAGGING	1	HR	C		S	C		C-FL	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 039 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 039 OF 587

WRK	P-CIMU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
					RQD	UM	RSP	ESP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-1CT		ASPHALT 1 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N	TC15SL	(EXPL)		3315 TC SLURRY BACKFILL INSTALL COMPLETE	1	EA			S	C	3315.3	C-BH	3.0
												C-DT	3.3
												SR3CS	1.5
												BOOMT	4.8
												3-AF4	3.0
												0-BC	0.2
												3-T2L	0.2
		AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA	C	C					
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY	C	C					
		C/P15H		COLD PATCH AND CLEAN-UP 3315 HH	1	EA	C	C					
			114200	ASPHALT (COLD PATCH)	2	TN		C					
		R/S15H		SPOIL FROM 3315 HH	1	EA	C	C					
			X30007	DUMPING FEE	11	CY		C					
		SHOR-H		SHORING PRIMARY HANDHOLES	1	EA	C	C					
			X30010	SHORING MATERIAL	39	EA		C					
		X15H-A		EXCAVATE 3315 HANDHOLE AVERAGE	1	EA	C	C			3315.4		
			601600	ROCK, DRY, 3/8" RECYCLED MATLS PREFERRED	1	TN		C					
		15H-SL		BACKFILL SLURRY 3315 HH	1	EA	C	C					
			248200	CONCRETE - 1 SACK (SAND MIX)	5	CY		C					
		3315TC		HANDHOLE 3315 WITH TRAFFIC COVER	1	EA	C	C			3315		
			400308	3315 TRAFFIC COVER HANDHOLE COMPLETE	1	EA		C					
I-N		RED5-4		CONDUIT BELL REDUCER DB 5 IN TO 4 IN	5	EA	C		S	C	3373.2		
			573384	CONDUIT BELL REDUCER 5 IN TO 4 IN	5	EA		C					
I-N		RED4-3		CONDUIT BELL REDUCER DB 4 IN TO 3 IN	4	EA	C		S	C	3373.2		
			573380	CONDUIT BELL REDUCER 4 IN TO 3 IN	4	EA		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PH	PRI HANDHOLE		H131555	STANDARD LOCATION ID 3416TC SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 040 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 040 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	UM	MAT	RSP	TRT	ACC	STANDARD	CREW	EST
F-C					RQD						PAGE	TYPE	HOURS
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	107	FT	C		S	C	3376.1	3-WF3	1.5
			249664	CONDUIT DB 3 IN 20 FT LENGTH	107	FT	C						
			656400	SLURRY MIX, 1 SACK SAND	3	CY	C						
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 041 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 041 OF 367

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	442	FT	C		S	C		SR3AS	11.5
I-N		BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	442	FT	C		S	C	G7453	C-BC	22.1
			X20201	TRAFFIC BEARING STEEL PLATE	442	EA			C			C-BH	22.1
			114215	ASPHALT, COLD MIX	5	TN			C			3SWF4	44.2
I-N		REM-4'		TRENCH SPOIL 4 FT DEPTH	442	FT	C		S	C		C-DT	53.0
			X30007	DUMPING FEE	151	CY			C				
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	1515	FT	C		S	C	G7409	3-WF3	3.0
			656400	SLURRY MIX, 1 SACK SAND	85	CY			C				
I-N		AS-M18		ASPHALT BASE & TOP MECH 18 IN	442	FT	C		S	C		C-BC	29.6
			X20022	GRIND ASPHALT (PER SF)	442	SF			C			SR-3A	29.6
			114201	ASPHALT (BASE)	40	TN			C				
			114202	ASPHALT (TOP)	10	TN			C				
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	465	FT	C		S	C	3376.1	3-WF3	6.5
			249664	CONDUIT DB 3 IN 20 FT LENGTH	465	FT			C				
			656400	SLURRY MIX, 1 SACK SAND	9	CY			C				
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA			C				
			656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN			C				
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N		ARRO-B		TC-ARROW BOARD ASSIST FOR TRENCHING	1	HR	C		S	C		ARROB	1.0
I-N		FLAG-U		TC-FLAGGING	1	HR	C		S	C		C-FL	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST	TAG	NEW	TAG							CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 042 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 042 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	160	FT	C		S	C		SR3AS	4.2
I-N			BE04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	170	FT	C		S	C	G7453	C-BC	8.5
			X20201		TRAFFIC BEARING STEEL PLATE	170	EA		C				C-BH	8.5
			114215		ASPHALT, COLD MIX	2	TN		C				3SWE4	17.0
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	170	FT	C		S	C		C-DT	20.4
			X30007		DUMPING FEE	58	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	1515	FT	C		S	C	G7409	3-WF3	3.0
			656400		SLURRY MIX, 1 SACK SAND	85	CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	505	FT	C		S	C		C-BC	33.8
			X20022		GRIND ASPHALT (PER SF)	505	SF		C				SR-3A	33.8
			114201		ASPHALT (BASE)	46	TN		C					
			114202		ASPHALT (TOP)	11	TN		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	138	FT	C		S	C	3376.1	3-WF3	1.9
			249664		CONDUIT DB 3 IN 20 FT LENGTH	138	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
			322144		BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 043 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 043 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT	C		S	C		3-WF3	1.7
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	3	FT	C		S	C		SR3AS	0.1
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	3	FT	C		S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	3	FT	C		S	C	G7453	C-BC	0.1
			X20201		TRAFFIC BEARING STEEL PLATE	3	EA		C				C-BH	0.1
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	3	FT	U		S	C		C-DT	0.3
			X30007		DUMPING FEE	1	CY		U					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	9	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			SAW-CC		SAW CUT CONCRETE	5	FT	C		S	C		SR-3C	1.3
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 044 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 044 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	15	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	15	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	15	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	15	FT	C		S	C		3-WF3	1.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWE4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			SAW-CC		SAW CUT CONCRETE	5	FT	C		S	C		SR-3C	1.3
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C				SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C				TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C				TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 045 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 045 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 046 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 046 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	100	FT	C		S	C	3376.1	3-WF3	1.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	100	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 047 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 047 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	U		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA		U					
I-N			X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	U		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	U		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		U					
I-N			1-2SLB		1-2 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	U		S	C	3373.2	3-WF3	0.1
				321812	BEND CONDUIT DB 2 IN 90 D 36 IN R	1	EA		U					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		U					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	U		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA		U					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		U					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218225	SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 048 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 048 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT		C		S	C	G7453	3-WF3	5.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT		C		S	C		3-WF3	0.2
														C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	15	FT		C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFFERED	1	TN		C					C-BH	
														C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	15	FT		C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	15	FT		C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	15	FT		C		S	C		3-WF3	1.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT		C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C					C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT		C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT		C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT		C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			SAW-CC		SAW CUT CONCRETE	5	FT		C		S	C		SR-3C	1.3
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SH 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 049 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 049 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	10	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	10	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	10	FT	C		S	C		C-DT	0.3
			X30007	DUMPING FEE	1	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	10	FT	C		S	C		SR3AS	0.4
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	10	FT	C		S	C		SR3CS	
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	8	FT	C		S	C	G7453	C-BC	0.3
			X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	8	FT	C		S	C		C-DT	0.7
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	24	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	8	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	8	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		SAW-CC		SAW CUT CONCRETE	5	FT	C		S	C		SR-3C	1.3
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 050 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 050 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	25	FT	C		S	C		SR3A5	0.7
I-N			BK03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	30	FT	C		S	C	G7453	C-BC	1.2
			X20201		TRAFFIC BEARING STEEL PLATE	23	EA			C			C-BH	1.2
			114215		ASPHALT, COLD MIX	1	TN			C			3SWE4	2.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	30	FT	C		S	C		C-DT	2.6
			X30007		DUMPING FEE	8	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	90	FT	C		S	C	G7409	3-WF3	0.2
			656400		SLURRY MIX, 1 SACK SAND	6	CY			C				
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	25	FT	C		S	C		C-BC	1.7
			X20022		GRIND ASPHALT (PER SF)	25	SF			C			SR-3A	1.7
			114201		ASPHALT (BASE)	3	TN			C				
			114202		ASPHALT (TOP)	1	TN			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	60	FT	C		S	C	3376.1	3-WF3	0.8
			249664		CONDUIT DB 3 IN 20 FT LENGTH	60	FT			C				
			656400		SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 051 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 051 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	23	FT	C		S	C		SR3AS	0.6
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	30	FT	C		S	C	G7453	C-BC	1.2
				X20201	TRAFFIC BEARING STEEL PLATE	23	EA			C			C-BH	1.2
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	2.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	30	FT	C		S	C		C-DT	2.6
				X30007	DUMPING FEE	8	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	90	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	6	CY			C				
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	30	FT	C		S	C		C-BC	2.0
				X20022	GRIND ASPHALT (PER SF)	30	SF			C			SR-3A	2.0
				114201	ASPHALT (BASE)	3	TN			C				
				114202	ASPHALT (TOP)	1	TN			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	60	FT	C		S	C	3376.1	3-WF3	0.8
				249664	CONDUIT DB 3 IN 20 FT LENGTH	60	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	20	FT	C		S	C		3-WF3	2.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 052 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 052 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
E-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	15	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFFERED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	15	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	15	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	15	FT	C		S	C		SR3AS	0.6
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	15	FT	C		S	C		SR3CS	0.1
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 053 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 053 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 054 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 054 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BH	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	18	FT	C		S	C		3-WF3	1.8
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BH	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWE4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN-S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 055 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 055 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	110	FT		C		S	C		SR3AS	2.9
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	125	FT		C		S	C	G7453	C-BC	5.0
				X20201	TRAFFIC BEARING STEEL PLATE	94	EA			C				C-BH	5.0
				114215	ASPHALT, COLD MIX	2	TN			C				3SWF4	10.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	125	FT		C		S	C		C-DT	11.0
				X30007	DUMPING FEE	32	CY			C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	375	FT		C		S	C	G7409	3-WF3	0.8
				656400	SLURRY MIX, 1 SACK SAND	21	CY			C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	110	FT		C		S	C		C-BC	7.4
				X20022	GRIND ASPHALT (PER SF)	110	SF			C				SR-3A	7.4
				114201	ASPHALT (BASE)	10	TN			C					
				114202	ASPHALT (TOP)	3	TN			C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENGASED	125	FT		C		S	C	3376.1	3-WF3	1.8
				249664	CONDUIT DB 3 IN 20 FT LENGTH	125	FT			C					
				656400	SLURRY MIX, 1 SACK SAND	3	CY			C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT		C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7,8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 056 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 056 OF 587

WRK	F-C	IMU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	ESP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	13	FT	C		S	C		3-WF3	1.3
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 057 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 057 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	15	FT	C		S	C	G7405	3-WF3	
						1	TN						C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	15	FT	C		S	C	3373.1	3-WF3	0.2
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	15	FT	C		S	C		C-DT	0.4
						2	CY							
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	4	FT	C		S	C	G7453	C-BC	0.2
				114215	ASPHALT, COLD MIX	3	EA						C-BH	0.2
						1	TN						3SWF4	0.3
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	4	FT	C		S	C		C-DT	0.4
						1	CY							
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	12	FT	C		S	C	G7409	3-WF3	
						1	CY							
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	4	FT	C		S	C	3376.1	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	4	FT	C						
						1	CY							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 058 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 058 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N		X09H26			INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		PLANTU			REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 059 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 059 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	45	FT	C		S	C		SR3AS	1.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	65	FT	C		S	C	G7453	C-BC	2.6
				X20201	TRAFFIC BEARING STEEL PLATE	49	EA			C			C-BH	2.6
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	5.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	65	FT	C		S	C		C-DT	5.7
				X30007	DUMPING FEE	17	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	195	FT	C		S	C	G7409	3-WF3	0.4
				656400	SLURRY MIX, 1 SACK SAND	11	CY			C				
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	45	FT	C		S	C		C-BC	3.0
				X20022	GRIND ASPHALT (PER SF)	45	SF			C			SR-3A	3.0
				114201	ASPHALT (BASE)	5	TN			C				
				114202	ASPHALT (TOP)	1	TN			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	65	FT	C		S	C	3376.1	3-WF3	0.9
				249664	CONDUIT DB 3 IN 20 FT LENGTH	65	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA			S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 060 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 060 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT		C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT		C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT		C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT		C		S	C		3-WF3	1.7
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	60	FT		C		S	C		SR3AS	1.6
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	93	FT		C		S	C	G7453	C-BC	3.7
				X20201	TRAFFIC BEARING STEEL PLATE	70	EA		C					C-BH	3.7
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	7.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	93	FT		C		S	C		C-DT	8.2
				X30007	DUMPING FEE	24	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	279	FT		C		S	C	G7409	3-WF3	0.6
				656400	SLURRY MIX, 1 SACK SAND	16	CY		C						
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	60	FT		C		S	C		C-BC	4.0
				X20022	GRIND ASPHALT (PER SF)	60	SF		C					SR-3A	4.0
				114201	ASPHALT (BASE)	6	TN		C						
				114202	ASPHALT (TOP)	2	TN		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	103	FT		C		S	C	3376.1	3-WF3	1.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	103	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 060 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 060 OF 587

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 061 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 061 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N			X09H26	162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				656400	BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	3	EA	C						
						1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 062 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 062 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
						RQD		RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	21	FT	C		S	C	G7453	3-WF3	8.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	21	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	21	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	21	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	21	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	21	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	16	FT	C		S	C		SR3AS	0.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	16	FT	C		S	C		SR3CS	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 063 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 063 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	85	FT	C		S	C		SR3AS	2.2
I-N		BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	100	FT	C		S	C	G7453	C-BC	4.0
		X20201		TRAFFIC BEARING STEEL PLATE	75	EA			C			C-BH	4.0
		114215		ASPHALT, COLD MIX	1	TN			C			3SWF4	8.0
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	100	FT	C		S	C		C-DT	8.8
		X30007		DUMPING FEE	25	CY			C				
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	300	FT	C		S	C	G7409	3-WF3	0.6
		656400		SLURRY MIX, 1 SACK SAND	17	CY			C				
I-N		AS-M18		ASPHALT BASE & TOP MECH 18 IN	85	FT	C		S	C		C-BC	5.7
		X20022		GRIND ASPHALT (PER SF)	85	SF			C			SR-3A	5.7
		114201		ASPHALT (BASE)	8	TN			C				
		114202		ASPHALT (TOP)	2	TN			C				
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	100	FT	C		S	C	3376.1	3-WF3	1.4
		249664		CONDUIT DB 3 IN 20 FT LENGTH	100	FT			C				
		656400		SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
		322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
		656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
		611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN			C			C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
		249664		CONDUIT DB 3 IN 20 FT LENGTH	20	FT			C				
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
		X30007		DUMPING FEE	2	CY			C				
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.8
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	20	FT	C		S	C		SR3CS	0.1

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
LOCATION: 063 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 063 OF 587

WORK	FAC				CONSTRUCTION NOTES
FUNC	CODE	DESC	EXIST TAG	NEW TAG	

SEE SHT 7,11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 064 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 064 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	15	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	15	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C					
I-N			R-KCES		EXCESS TRENCH SPOIL (12 IN DEEP)	15	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	15	FT	C		S	C		3-WF3	1.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
				X20201	TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
				X30007	DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	10	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 065 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 065 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
						RQD		RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 066 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 066 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	67	FT	C		S	C		SR3AS	1.7
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	76	FT	C		S	C	G7453	C-BC	3.0
			X20201	TRAFFIC BEARING STEEL PLATE	57	EA			C			C-BH	3.0
			114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	6.1
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	76	FT	C		S	C		C-DT	6.7
			X30007	DUMPING FEE	19	CY			C				
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	228	FT	C		S	C	G7409	3-WF3	0.5
			656400	SLURRY MIX, 1 SACK SAND	13	CY			C				
I-N		AS-M18		ASPHALT BASE & TOP MECH 18 IN	67	FT	C		S	C		C-BC	4.5
			X20022	GRIND ASPHALT (PER SF)	67	SF			C			SR-3A	4.5
			114201	ASPHALT (BASE)	7	TN			C				
			114202	ASPHALT (TOP)	2	TN			C				
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	76	FT	C		S	C	3376.1	3-WF3	1.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	76	FT			C				
			656400	SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA			C	S	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
			656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			C	S	C	TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			C	S	C	TC4	1.0
I-N		SAW-CC		SAW CUT CONCRETE	10	FT			C	S	C	SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA			C	S	C	SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT			C	S	C	TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN			C				
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT			C	S	C	TC4	0.1

WORK EAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 067 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 067 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 068 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 068 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
F-C					RQD	UM	RSP	RSP	TRT	PAGE	TYPE	HOURS
				NO DESIGN UNITS FOR THIS LOCATION								

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
					SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 069 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 069 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1EB4SL		1-4 IN EB CONDUIT SLURRY ENCASED	95	FT	C		S	C	3376.1	3-WF3	1.3
				249710	CONDUIT DB 100 4 IN 20 FT LENGTH	95	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-4SLB		1-4 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322082	4 IN DB 100 90 D 36 IN R BEND	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.3
				X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
				114215	ASPHALT, COLD MIX	1	TN		C				3SWE4	0.6
I-N			REM-4		TRENCH SPOIL 4 FT DEPTH	6	FT	C		S	C		C-DT	0.7
				X30007	DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 070 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 070 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			CAP-PD	514280	PAD 3414 CAPACITOR PAD CAPACITOR 3414	1	EA	C		S	C	3414.1	3-AF4	0.6
I-N			3312-0	162426	HANDHOLE 3312 SINGLE BODY (W/O COVER) HANDHOLE BODY 17 IN X 30 IN X 12 IN 3312	1	EA	C		S	C	3312	3-AF4	0.4
I-N			TG-E-W	812816	TRENCH GRD WIRE W/O RODS (EQUIP/SWI/HH) WIRE BARE COPPER #2-7 STR SOFT DRAWN	1	EA	C		S	C	4510.1	3SWF3	0.2
I-N			1-4SLB	322082	1-4 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				656400	4 IN DB 100 90 D 36 IN R BEND SLURRY MIX, 1 SACK SAND	2	EA		C					
						1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218260	SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 071 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 071 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	73	FT	C		S	C		SR3AS	1.9
I-N			BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	83	FT	C		S	C	G7453	C-BC	3.3
				X20201	TRAFFIC BEARING STEEL PLATE	63	EA			C			C-BR	3.3
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	6.6
I-N			REM-3		TRENCH SPOIL 3 FT DEPTH	83	FT	C		S	C		C-DT	7.3
				X30007	DUMPING FEE	21	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	249	FT	C		S	C	G7409	3-WF3	0.5
				656400	SLURRY MIX, 1 SACK SAND	14	CY			C				
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	73	FT	C		S	C		C-BC	4.9
				X20022	GRIND ASPHALT (PER SF)	73	SF			C			SR-3A	4.9
				114201	ASPHALT (BASE)	7	TN			C				
				114202	ASPHALT (TOP)	2	TN			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	73	FT	C		S	C	3376.1	3-WF3	1.0
				249664	CONDUIT DB 3 IN 20 FT LENGTH	73	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA			C	S	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA			C	S	3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			C	S		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			C	S		TC4	1.0
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N			BKF-3		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN			C			C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY			C				

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 071 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 071 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	20	FT	C		S	C	3-WF3	2.0	

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 072 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 072 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	EA	C	S	C	STANDARD	CREW	EST
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE [HOURS]
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3 0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3 0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3 0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA		C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3 0.1

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 073 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 073 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	73	FT	C		S	C		SR3AS	1.9
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	93	FT	C		S	C	G7453	C-BC	3.7
				X20201	TRAFFIC BEARING STEEL PLATE	70	EA		C				C-BH	3.7
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	7.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	93	FT	C		S	C		C-DT	8.2
				X30007	DUMPING FEE	24	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	279	FT	C		S	C	G7409	3-WF3	0.6
				656400	SLURRY MIX, 1 SACK SAND	16	CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	73	FT	C		S	C		C-BC	4.9
				X20022	GRIND ASPHALT (PER SF)	73	SF		C				SR-3A	4.9
				114201	ASPHALT (BASE)	7	TN		C					
				114202	ASPHALT (TOP)	2	TN		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	53	FT	C		S	C	3376.1	3-WF3	0.7
				249664	CONDUIT DB 3 IN 20 FT LENGTH	53	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA		C		S	C	3373.2	3-WF3
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	30	FT	C		S	C	G7453	3-WF3	11.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	30	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	30	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	30	FT	C		S	C	3373.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	30	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	30	FT	C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY		C					

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 073 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 073 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N															
					REMOVE/REPLACE LANDSCAPING	30	FT	C						3-WF3	3.0

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 074 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 074 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	10	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	10	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	10	FT	C		S	C		C-DT	0.3
			X30007	DUMPING FEE	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	3	FT	C		S	C	G7453	C-BC	0.1
			X20201	TRAFFIC BEARING STEEL PLATE	3	EA		C				C-BH	0.1
			114215	ASPHALT, COLD MIX	1	TN		C				3SWE4	0.2
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	3	FT	C		S	C		C-DT	0.3
			X30007	DUMPING FEE	1	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	9	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	3	FT	C		S	C	3376.1	3-WF3	
			249664	CONDUIT DB 3 IN 20 FT LENGTH	3	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 075 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 075 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	10	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFFERED	1	TN		C				C-BH	
													C-DT	
I-N			IDB3-S		1-3 IN DB CONDUIT SEC	10	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	10	FT	C		S	C		C-DT	0.3
				X30007	DUMPING FEE	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	3	FT	C		S	C	G7453	C-BC	0.1
				X20201	TRAFFIC BEARING STEEL PLATE	3	EA		C				C-BH	0.1
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	3	FT	C		S	C		C-DT	0.3
				X30007	DUMPING FEE	1	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	9	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	3	FT	C		S	C	3376.1	3-WF3	
				249664	CONDUIT DB 3 IN 20 FT LENGTH	3	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 076 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 076 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
													PAGE	TYPE	HOURS	
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1			EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1			EA	C						
I-N		X09H26			INSTALL EXCAVATION/REMOVE	1			EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1			EA	C						
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4			EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4			EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1			CY	C						
I-N		SAW-CC			SAW CUT CONCRETE	1			FT	C		S	C		SR-3C	1.1
I-N		CC-WLK			CONCRETE SIDEWALK SECTION (5X5) FINISHED	1			EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1			CY	C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 077 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 077 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	60	FT	C		S	C		SR3AS	1.6
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	65	FT	C		S	C	G7453	C-BC	2.6
			X20201		TRAFFIC BEARING STEEL PLATE	49	EA			C			C-BH	2.6
			114215		ASPHALT, COLD MIX	1	TN			C			3SWF4	5.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	65	FT	C		S	C		C-DT	5.7
			X30007		DUMPING FEE	17	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	195	FT	C		S	C	G7409	3-WF3	0.4
			656400		SLURRY MIX, 1 SACK SAND	11	CY			C				
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	60	FT	C		S	C		C-BC	4.0
			X20022		GRIND ASPHALT (PER SF)	60	SF			C			SR-3A	4.0
			114201		ASPHALT (BASE)	6	TN			C				
			114202		ASPHALT (TOP)	2	TN			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	25	FT	C		S	C	3376.1	3-WF3	0.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	25	FT			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
			322144		BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215		ASPHALT, COLD MIX	1	TN			C				
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 11,12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 078 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 078 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	YAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	46	FT	C		S	C		SR3AS	1.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	46	FT	C		S	C	G7453	C-BC	1.8
			X20201		TRAFFIC BEARING STEEL PLATE	35	EA			C			C-BH	1.8
			114215		ASPHALT, COLD MIX	1	TN			C			3SWE4	3.7
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	46	FT	C		S	C		C-DT	4.0
			X30007		DUMPING FEE	12	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	138	FT	C		S	C	G7409	3-WF3	0.3
			656400		SLURRY MIX, 1 SACK SAND	8	CY			C				
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	46	FT	C		S	C		C-BC	3.1
			X20022		GRIND ASPHALT (PER SF)	46	SF			C			SR-3A	3.1
			114201		ASPHALT (BASE)	5	TN			C				
			114202		ASPHALT (TOP)	1	TN			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	118	FT	C		S	C	3376.1	3-WF3	1.7
			249664		CONDUIT DB 3 IN 20 FT LENGTH	118	FT			C				
			656400		SLURRY MIX, 1 SACK SAND	3	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215		ASPHALT, COLD MIX	1	TN			C				
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 11,12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 079 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 079 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA			C				
I-N			X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218226	SEE SHT 12

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 080 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 080 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	RSP	RSP	TRT	TRT	STANDARD	PAGE	CREW	EST
I-N																
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	38	FT	C		S	C		3376.1		3-WF3	0.5
			249664		CONDUIT DB 3 IN 20 FT LENGTH	38	FT	C								
			656400		SLURRY MIX, 1 SACK SAND	1	CY	C								
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C		3373.2		3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C								
			656400		SLURRY MIX, 1 SACK SAND	1	CY	C								

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 081 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 081 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	12	FT	C		S	C	G7453	3-WF3	4.8
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	12	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND ~ 12 INCH WIDTH	12	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	12	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	12	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	12	FT	C		S	C		C-DT	0.3
				X30007	DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	12	FT	C		S	C		SR3AS	0.5
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	12	FT	C		S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	3	FT	C		S	C	G7453	C-BC	0.1
				X20201	TRAFFIC BEARING STEEL PLATE	3	EA		C				C-BH	0.1
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	3	FT	C		S	C		C-DT	0.3
				X30007	DUMPING FEE	1	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	9	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	3	FT	C		S	C	3376.1	3-WF3	
				249664	CONDUIT DB 3 IN 20 FT LENGTH	3	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 082 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 082 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	19	FT		C		S	C	G7453	3-WF3	7.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	19	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	19	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	19	FT		C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	19	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	19	FT		C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	19	FT		C		S	C		SR3AS	0.8
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	19	FT		C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT		C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C					C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT		C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT		C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	6	FT		C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 083 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 083 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 084 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 084 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	45	FT	C			S	C		SR3AS	1.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	54	FT	C			S	C	G7453	C-BC	2.2
			X20201		TRAFFIC BEARING STEEL PLATE	41	EA				C			C-BH	2.2
			114215		ASPHALT, COLD MIX	1	TN				C			3SWF4	4.3
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	54	FT	C			S	C		C-DT	4.8
			X30007		DUMPING FEE	14	CY				C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	162	FT	C			S	C	G7409	3-WF3	0.3
			656400		SLURRY MIX, 1 SACK SAND	10	CY				C				
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	45	FT	C			S	C		C-BC	3.0
			X20022		GRIND ASPHALT (PER SF)	45	SF				C			SR-3A	3.0
			114201		ASPHALT (BASE)	5	TN				C				
			114202		ASPHALT (TOP)	1	TN				C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	89	FT	C			S	C	3376.1	3-WF3	1.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	89	FT				C				
			656400		SLURRY MIX, 1 SACK SAND	2	CY				C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA				S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA				C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY				C				
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA				S	C	3373.2	3-WF3	0.7
			322144		BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA				C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY				C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA				S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA				S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C			S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA				S	C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY				C				
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C			S	C		TC4	0.1
			114215		ASPHALT, COLD MIX	1	TN				C				
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C			S	C		TC4	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 085 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 085 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	27	FT	C		S	C	G7453	3-WF3	10.2
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	27	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	27	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	27	FT	C		S	C	3373.1	3-WF3	0.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	27	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	27	FT	C		S	C		C-DT	0.7
				X30007	DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	27	FT	C		S	C		3-WF3	2.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 086 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 086 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT		C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN			C				C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT		C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT			C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT		C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY			C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	18	FT		C		S	C		SR3AS	0.7
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	18	FT		C		S	C		SR3CS	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 087 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 087 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA							
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA							
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA							
				656400	SLURRY MIX, 1 SACK SAND	1	CY							
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 088 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 088 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	130	FT	C		S	C	3376.1	3-WF3	1.8
			249664	CONDUIT DB 3 IN 20 FT LENGTH	130	FT			C				
			656400	SLURRY MIX, 1 SACK SAND	3	CY			C				
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
			656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
			X20201	TRAFFIC BEARING STEEL PLATE	8	EA			C			C-BH	0.4
			114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	0.8
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
			X30007	DUMPING FEE	3	CY			C				
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 089 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 089 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	12	FT	U		S	C		SR3AS	0.5
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	12	FT	U		S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWE4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 090 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 090 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		X09H26			INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		PLANTU			REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 091 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 091 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	19	FT	C		S	C	G7453	3-WF3	7.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	19	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	19	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFFERED	1	TN						C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	19	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	19	FT							
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	19	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY							
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	19	FT	C		S	C		3-WF3	1.9
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	9	FT	C		S	C	G7453	C-BC	0.4
				X20201	TRAFFIC BEARING STEEL PLATE	7	EA						C-BH	0.4
				114215	ASPHALT, COLD MIX	1	TN						3SWF4	0.7
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	9	FT	C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY							
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	27	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	CY							
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	9	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	9	FT							
				656400	SLURRY MIX, 1 SACK SAND	1	CY							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12,8

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 092 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 092 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	290	FT		C		S	C		SR3AS	7.5
I-N			BHO4XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	290	FT		C		S	C	G7453	C-BC	14.5
				X20201	TRAFFIC BEARING STEEL PLATE	290	EA		C					C-BH	14.5
				114215	ASPHALT, COLD MIX	3	TN		C					3SWF4	29.0
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	290	FT		C		S	C		C-DT	34.8
				X30007	DUMPING FEE	99	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	870	FT		C		S	C	G7409	3-WF3	1.7
				656400	SLURRY MIX, 1 SACK SAND	49	CY		C						
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	290	FT		C		S	C		C-BC	19.4
				X20022	GRIND ASPHALT (PER SF)	290	SF		C					SR-3A	19.4
				114201	ASPHALT (BASE)	27	TN		C						
				114202	ASPHALT (TOP)	7	TN		C						
I-N			1EB4SL		1-4 IN EB CONDUIT SLURRY ENCASED	290	FT		C		S	C	3376.1	3-WF3	4.1
				249710	CONDUIT DB 100 4 IN 20 FT LENGTH	290	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	6	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT		C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C						
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT		C		S	C		TC4	0.1
I-N			ARRO-B		TC-ARROW BOARD ASSIST FOR TRENCHING	8	HR		C		S	C		ARROB	8.0
I-N			FLAC-U		TC-FLAGGING	8	HR		C		S	C		C-FL	8.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 093 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 093 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	21	FT		C		S	C	G7453	3-WF3	8.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	21	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	21	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	21	FT		C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	21	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	21	FT		C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	21	FT		C		S	C		3-WF3	2.1
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	45	FT		C		S	C		SR3AS	1.2
I-N			AB-M18		ASPHALT BASE MECH 18 IN	45	FT		C		S	C		C-BC	1.2
				114201	ASPHALT (BASE)	5	TN		C					SR4AL	1.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	55	FT		C		S	C	G7453	C-BC	2.2
				X20201	TRAFFIC BEARING STEEL PLATE	42	EA		C					C-BH	2.2
				114215	ASPHALT, COLD MIX	1	TN		C					3SWE4	4.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	55	FT		C		S	C		C-DT	4.6
				X30007	DUMPING FEE	14	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	165	FT		C		S	C	G7409	3-WF3	0.3
				656400	SLURRY MIX, 1 SACK SAND	10	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	115	FT		C		S	C	3376.1	3-WF3	1.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	115	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 094 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 094 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	45	FT	C		S	C		3376.1	3-WF3	0.6
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C						
				249664	CONDUIT DB 3 IN 20 FT LENGTH	45	FT		C						
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	8	EA		C						
				663530	1 IN BASE SPACER	8	EA		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C		3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C		3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 095 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 095 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	35	FT	C		S	C		SR3AS	0.9
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	35	FT	C		S	C	G7453	C-BC	1.4
			X20201		TRAFFIC BEARING STEEL PLATE	27	EA			C			C-BH	1.4
			114215		ASPHALT, COLD MIX	1	TN			C			3SWF4	2.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	35	FT	C		S	C		C-DT	3.1
			X30007		DUMPING FEE	9	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	105	FT	C		S	C	G7409	3-WF3	0.2
			656400		SLURRY MIX, 1 SACK SAND	6	CY			C				
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	35	FT	C		S	C		C-BC	2.3
			X20022		GRIND ASPHALT (PER SF)	35	SF			C			SR-3A	2.3
			114201		ASPHALT (BASE)	4	TN			C				
			114202		ASPHALT (TOP)	1	TN			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	157	FT	C		S	C	3376.1	3-WF3	2.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	157	FT			C				
			656400		SLURRY MIX, 1 SACK SAND	3	CY			C				
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	8	EA	U		S	C	3373.2	3-WF3	1.3
			322144		BEND CONDUIT DB 3 IN 22.5 D 25 FT R	8	EA			U				
			656400		SLURRY MIX, 1 SACK SAND	2	CY			U				
I-N			1-3SLE		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215		ASPHALT, COLD MIX	1	TN			C				
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 096 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 096 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	370	FT		C		S	C		SR3AS	9.6
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	389	FT		C		S	C	G7453	C-BC	19.5
			X20201		TRAFFIC BEARING STEEL PLATE	389	EA				C			C-BH	19.5
			114215		ASPHALT, COLD MIX	4	TN				C			3SWF4	38.9
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	389	FT		C		S	C		C-DT	46.7
			X30007		DUMPING FEE	133	CY				C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	1167	FT		C		S	C	G7409	3-WF3	2.3
			656400		SLURRY MIX, 1 SACK SAND	65	CY				C				
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	370	FT		C		S	C		C-BC	24.8
			X20022		GRIND ASPHALT (PER SF)	370	SF				C			SR-3A	24.8
			114201		ASPHALT (BASE)	34	TN				C				
			114202		ASPHALT (TOP)	8	TN				C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	389	FT		C		S	C	3376.1	3-WF3	5.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	389	FT				C				
			656400		SLURRY MIX, 1 SACK SAND	8	CY				C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		U		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA				U				
			656400		SLURRY MIX, 1 SACK SAND	1	CY				U				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT		C		S	C		TC4	0.1
			114215		ASPHALT, COLD MIX	1	TN				C				
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT		C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 097 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 097 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	30	FT	C		S	C		SR3AS	0.8
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	42	FT	C		S	C	G7453	C-BC	1.7
			X20201		TRAFFIC BEARING STEEL PLATE	32	EA			C			C-BH	1.7
			114215		ASPHALT, COLD MIX	1	TN			C			3SWF4	3.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	42	FT	C		S	C		C-DT	3.7
			X30007		DUMPING FEE	11	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	126	FT	C		S	C	G7409	3-WF3	0.3
			656400		SLURRY MIX, 1 SACK SAND	8	CY			C				
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	30	FT	C		S	C		C-BC	2.0
			X20022		GRIND ASPHALT (PER SF)	30	SF			C			SR-3A	2.0
			114201		ASPHALT (BASE)	3	TN			C				
			114202		ASPHALT (TOP)	1	TN			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	92	FT	C		S	C	3376.1	3-WF3	1.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	92	FT			C				
			656400		SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	2	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN			C			C-BH	0.1
													C-DT	0.1

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 097 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 097 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	16	FT	C		S	C		3-WF3	1.6
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	4	FT	C		S	C		SR3CS	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 098 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 098 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
			X20201		TRAFFIC BEARING STEEL PLATE	8	EA			C			C-BH	0.4
			114215		ASPHALT, COLD MIX	1	TN			C			3SWF4	0.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
			X30007		DUMPING FEE	3	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1
			656400		SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	92	FT	C		S	C	3376.1	3-WF3	1.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	92	FT			C				
			656400		SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN			C			C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	18	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
			X30007		DUMPING FEE	2	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	14	FT	C		S	C		3-WF3	1.4
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	4	FT	C		S	C		SR3CS	

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 098 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 098 OF 587

WORK	FAC					
FUNC	CODE	DESC	EXIST TAG	NEW TAG		CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 099 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 099 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 100 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 100 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	91	FT	C		S	C		3376.1	3-WF3	1.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	91	FT	C							
				656400	SLURRY MIX, 1 SACK SAND	2	CY	C							
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C		3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C							
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C							

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 101 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 101 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	40	FT	C		S	C	G7453	C-BC	1.6
			X20201		TRAFFIC BEARING STEEL PLATE	30	EA		C				C-BH	1.6
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	3.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	40	FT	C		S	C		C-DT	3.5
			X30007		DUMPING FEE	10	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	120	FT	C		S	C	G7409	3-WF3	0.2
			656400		SLURRY MIX, 1 SACK SAND	7	CY		C					
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	30	FT	C		S	C		SR3AS	0.8
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	30	FT	C		S	C		C-BC	2.0
			X20022		GRIND ASPHALT (PER SF)	30	SF		C				SR-3A	2.0
			114201		ASPHALT (BASE)	3	TN		C					
			114202		ASPHALT (TOP)	1	TN		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	55	FT	C		S	C	3376.1	3-WF3	0.8
			249664		CONDUIT DB 3 IN 20 FT LENGTH	55	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C	S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	U		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C	S	C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C	S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C	S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C	S	C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 101 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 101 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1	FT	C		S	C		SR3CS	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 102 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 102 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	32	FT	C		S	C	G7453	3-WF3	12.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	32	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	32	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	32	FT	C		S	C	3373.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	32	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	32	FT	C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	32	FT	C		S	C		SR3AS	1.3
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	32	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	7	FT	C		S	C	G7453	C-BC	0.3
				X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	7	FT	C		S	C		C-DT	0.6
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	21	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MLX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	7	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	7	FT		C					
				656400	SLURRY MLX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 103 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 103 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFFERED	1	TN						C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT							
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY							
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT	C		S	C		3-WF3	1.7

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 104 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 104 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA			C				
I-N			X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	7	EA	C		S	C	3373.2	3-WF3	0.4
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	7	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			TB-PER		TRAFFIC BARRIER - PERMANENT	2	EA	C		S	C	3481.1	SR3CS	2.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				
				537224	PIPE STEEL 4 IN .188 WALL PLAIN BARE 5L	12	FT			C				

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
I	PD	PAD		D218227	SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 105 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 105 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT		C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREPPERED	1	TN			C				C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT		C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT			C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT		C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY			C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	17	FT		C		S	C		SR3AS	0.7
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	17	FT		C		S	C		SR3CS	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 106 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 106 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	40	FT	C		S	C	G7453	3-WF3	14.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	40	FT	C		S	C		3-WF3	0.6
													C-BC	0.6
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	40	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFFERED	3	TN		C				C-BH	0.1
													C-DT	0.1
I-N			LDB3-S		1-3 IN DB CONDUIT SEC	40	FT	C		S	C	3373.1	3-WF3	0.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	40	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	40	FT	C		S	C		C-DT	1.0
				X30007	DUMPING FEE	4	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	40	FT	C		S	C		SR3AS	1.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	40	FT	C		S	C		SR3CS	0.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	6	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 107 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 107 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	109	FT	C		S	C		3376.1	3-WF3	1.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	109	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C		3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 108 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 108 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	18	FT	C		S	C		3-WF3	1.8

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 109 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 109 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N		X09H26		162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		PLANTU			REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 110 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 110 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	15	FT	C		S	C	G7453	C-BC	0.6
		X20201		TRAFFIC BEARING STEEL PLATE	12	EA	C					C-BH	0.6
		114215		ASPHALT, COLD MIX	1	TN	C					3SWF4	1.2
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	15	FT	C		S	C		C-DT	1.3
		X30007		DUMPING FEE	4	CY	C						
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	45	FT	C		S	C	G7409	3-WF3	0.1
		656400		SLURRY MIX, 1 SACK SAND	3	CY	C						
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	61	FT	C		S	C	3376.1	3-WF3	0.9
		249664		CONDUIT DB 3 IN 20 FT LENGTH	61	FT	C						
		656400		SLURRY MIX, 1 SACK SAND	2	CY	C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
		322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C						
		656400		SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	2	EA	C		S	C	3373.2	3-WF3	0.3
		322144		BEND CONDUIT DB 3 IN 22.5 D 25 FT R	2	EA	C						
		656400		SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
		248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY	C						
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
		611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN	C					C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	3	FT	C		S	C	3373.1	3-WF3	
		249664		CONDUIT DB 3 IN 20 FT LENGTH	3	FT	C						
I-N		1DB3PS		1-3 IN DB 22.5 D 25 FT R BEND PRI	2	EA	C		S	C	3373.2	3-WF3	0.1
		322144		BEND CONDUIT DB 3 IN 22.5 D 25 FT R	2	EA	C						
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 110 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 110 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	18	FT	C		S	C	3-WF3	1.8	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 111 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 111 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	40	FT		C		S	C	G7453	C-BC	1.6
				X20201	TRAFFIC BEARING STEEL PLATE	30	EA			C				C-BH	1.6
				114215	ASPHALT, COLD MIX	1	TN			C				3SWE4	3.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	40	FT		C		S	C		C-DT	3.5
				X30007	DUMPING FEE	10	CY			C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	120	FT		C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	7	CY			C					
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	30	FT		C		S	C		SR3AS	0.8
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	30	FT		C		S	C		C-BC	2.0
				X20022	GRIND ASPHALT (PER SF)	30	SF			C				SR-3A	2.0
				114201	ASPHALT (BASE)	3	TN			C					
				114202	ASPHALT (TOP)	1	TN			C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	97	FT		C		S	C	3376.1	3-WF3	1.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	97	FT			C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY			C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C					
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		U		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C					
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	35	FT		C		S	C	G7453	3-WF3	13.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	35	FT		C		S	C		3-WF3	0.5
														C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	35	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN			C				C-BH	0.1
														C-DT	0.1

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 111 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 111 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	35	FT	C		S	C	3373.1	3-WF3	0.5
			249664		CONDUIT DB 3 IN 20 FT LENGTH	35	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	35	FT	C		S	C		C-DT	0.9
			X30007		DUMPING FEE	4	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	3	FT	C		S	C		3-WF3	0.3
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	32	FT	C		S	C		SR3AS	1.3
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	32	FT	C		S	C		SR3CS	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 112 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 112 OF 587

WRK	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
F-C	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
NO DESIGN UNITS FOR THIS LOCATION								

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 113 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 113 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	400	FT	C		S	C		SR3AS	10.4
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	410	FT	C		S	C	G7453	C-BC	20.5
			X20201		TRAFFIC BEARING STEEL PLATE	410	EA		C				C-BH	20.5
			114215		ASPHALT, COLD MIX	4	TN		C				3SWF4	41.0
I-N			REM-4		TRENCH SPOIL 4 FT DEPTH	410	FT	C		S	C		C-DT	49.2
			X30007		DUMPING FEE	140	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	1239	FT	C		S	C	G7409	3-WF3	2.5
			656400		SLURRY MIX, 1 SACK SAND	69	CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	400	FT	C		S	C		C-BC	26.8
			X20022		GRIND ASPHALT (PER SF)	400	SF		C				SR-3A	26.8
			114201		ASPHALT (BASE)	36	TN		C					
			114202		ASPHALT (TOP)	9	TN		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	400	FT	C		S	C	3376.1	3-WF3	5.6
			249664		CONDUIT DB 3 IN 20 FT LENGTH	400	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	8	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					0.1
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 114 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 114 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	20	FT	C		S	C	G7453	C-BC	0.8
				X20201	TRAFFIC BEARING STEEL PLATE	15	EA			C			C-BH	0.8
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	1.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	20	FT	C		S	C		C-DT	1.8
				X30007	DUMPING FEE	5	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	60	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	4	CY			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	80	FT	C		S	C	3376.1	3-WF3	1.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	80	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN			C			C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	20	FT	C		S	C		3-WF3	2.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 115 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 115 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT		C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C					C-BH	0.1
														C-DT	0.1
I-N			IDB3-S		1-3 IN DB CONDUIT SEC	20	FT		C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT		C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT		C		S	C		3-WF3	0.1
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	FT		C		S	C		SR3AS	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1	FT		C		S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT		C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C					C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT		C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT		C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT		C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		U		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		U						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 116 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 116 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT		C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	20	FT		C		S	C	G7405	3-WF3	0.1
						2	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C		S	C	3373.1	3-WF3	0.3
						20	FT		C						
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	20	FT		C		S	C		C-DT	0.5
						2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT		C		S	C		3-WF3	0.1
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	FT		C		S	C		SR3AS	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1	FT		C		S	C		SR3CS	

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 117 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 117 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA		C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA		C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA		C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT		C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 118 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 118 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD		UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	109	FT	C		S	C	3376.1	3-WF3	1.5	
				249664	CONDUIT DB 3 IN 20 FT LENGTH	109	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1	
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 119 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 119 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	13	FT	C		S	C		3-WF3	1.3
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	4	FT	C		S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	9	FT	C		S	C	G7453	C-BC	0.4
				X20201	TRAFFIC BEARING STEEL PLATE	7	EA		C				C-BH	0.4
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.7
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	9	FT	C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	27	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	9	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	9	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	U		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		U					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 120 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 120 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE.	15	FT	C		S	C	G7453	3-WF3	5.9
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	15	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFFERED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	15	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	15	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	15	FT	C		S	C		3-WF3	1.5
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWE4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	U		S	C		SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		U					

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG									CONSTRUCTION NOTES

SEE SHY 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 121 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 121 OF 587

WRK F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK UM	MAT RSP	TIM RSP	ACC TRT	STANDARD PAGE	CREW TYPE	EST HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18 FT	C		S	C	G7453	3-WF3	7.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18 FT	C		S	C		3-WF3	0.3
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	18 FT	C		S	C	G7405	3-WF3	0.1
					1 TN		C				C-BH	0.1
											C-DT	0.1
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	18 FT	C		S	C	3373.1	3-WF3	0.3
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	18 FT	C		S	C		C-DT	0.5
					2 CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	18 FT	C		S	C		3-WF3	1.8
I-N		BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE	5 FT	C		S	C	G7453	C-BC	0.2
			114215	TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4 EA		C				C-BH	0.2
					1 TN		C				3SWF4	0.4
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5 FT	C		S	C		C-DT	0.4
					2 CY		C					
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15 FT	C		S	C	G7409	3-WF3	
					1 CY		C					
I-N		1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	5 FT	C		S	C	3376.1	3-WF3	0.1
			656400		5 FT		C					
					1 CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1 EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1 EA	C		S	C		TC4	1.0
I-N		SAW-CC		SAW CUT CONCRETE	10 FT	C		S	C		SR-3C	1.5
I-N		CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1 EA	U		S	C		SR3CS	1.0
					1 CY	U						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 122 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 122 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	YAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AP4	0.4
				514240	PAD 1-PHASE XEMR / 3-PHASE F.C. 3421	1	EA		C					
I-N			X-KF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N			1-2SLB		1-2 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				321812	BEND CONDUIT DB 2 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	6	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	6	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			TB-PER		TRAFFIC BARRIER - PERMANENT	2	EA	C		S	C	3481.1	SR3CS	2.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
				537224	PIPE STEEL 4 IN .188 WALL PLAIN BARE 5L	12	FT		C					

WORK	FAC	FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
I	PD	PD				D218228	SEE SH1 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 123 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 123 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			SAW-CC		SAW CUT CONCRETE	104	FT	C		S	C		SR-3C	6.2
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	104	FT	C		S	C		C-BC	7.0
				X20022	GRIND ASPHALT (PER SF)	104	SF			C			SR-3A	7.0
				114201	ASPHALT (BASE)	10	TN			C				
				114202	ASPHALT (TOP)	3	TN			C				
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	117	FT	U		S	C	G7453	C-BC	4.7
				X20201	TRAFFIC BEARING STEEL PLATE	88	EA			U			C-BH	4.7
				114215	ASPHALT, COLD MIX	2	TN			U			3SWF4	9.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	117	FT	C		S	C		C-DT	10.3
				X30007	DUMPING FEE	30	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	351	FT	C		S	C	G7409	3-WF3	0.7
				656400	SLURRY MIX, 1 SACK SAND	20	CY			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	117	FT	C		S	C	3376.1	3-WF3	1.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	117	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	3	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	U		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	U		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	U		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	U		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			U				

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12,13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 124 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 124 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			LDB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	18	FT	C		S	C		SR3AS	0.7
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	18	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	9	FT	C		S	C	G7453	C-BC	0.4
				X20201	TRAFFIC BEARING STEEL PLATE	7	EA		C				C-BH	0.4
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.7
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	9	FT	C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	27	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	9	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	9	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	U		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		U					

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 125 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 125 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	18	FT	C		S	C		3-WF3	1.8
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
				X20201	TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
				X30007	DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	73	FT	C		S	C	3376.1	3-WF3	1.0
				249664	CONDUIT DB 3 IN 20 FT LENGTH	73	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	U		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		U					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 126 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 126 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	YAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 127 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 127 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT		C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT		C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C						
I-N			R-KCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT		C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	20	FT		C		S	C		SR3AS	0.8
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	20	FT		C		S	C		SR3CS	0.1
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	35	FT		C		S	C		SR3AS	0.9
I-N			AB-M18		ASPHALT BASE MECH 18 IN	35	FT		C		S	C		C-BC	0.9
				114201	ASPHALT (BASE)	4	TN		C					SR4AL	0.9
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	43	FT		C		S	C	G7453	C-BC	1.7
				X20201	TRAFFIC BEARING STEEL PLATE	33	EA		C					C-BH	1.7
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	3.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	43	FT		C		S	C		C-DT	3.8
				X30007	DUMPING FEE	11	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	130	FT		C		S	C	G7409	3-WF3	0.3
				656400	SLURRY MIX, 1 SACK SAND	8	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	71	FT		C		S	C	3376.1	3-WF3	1.0
				249664	CONDUIT DB 3 IN 20 FT LENGTH	71	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		U		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		U						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		U						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C		SR-3C	1.5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 127 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 127 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA	C		S	C	SR3CS	1.0	
I-N			XING-U	114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	1	FT	C		S	C	TC4	0.1	
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C	TC4	0.1	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 128 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 128 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT		C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT		C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT		C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	17	FT		C		S	C		SR3AS	0.7
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	17	FT		C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT		C		S	C	G7453	C-BC	0.4
				X20201	TRAFFIC BEARING STEEL PLATE	8	EA		C					C-BH	0.4
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	0.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT		C		S	C		C-DT	0.9
				X30007	DUMPING FEE	3	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT		C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	70	FT		C		S	C	3376.1	3-WF3	1.0
				249664	CONDUIT DB 3 IN 20 FT LENGTH	70	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		U		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		U						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		U						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		U		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		U						

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
LOCATION: 128 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 128 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SH1 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 129 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 129 OF 587

WRK	CMU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	4	FT	C		S	C		3-WF3	0.4
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	14	FT	C		S	C		SR3AS	0.6
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	14	FT	C		S	C		SR3CS	0.1
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
			X20201	TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
			X30007	DUMPING FEE	3	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	73	FT	C		S	C	3376.1	3-WF3	1.0
			249664	CONDUIT DB 3 IN 20 FT LENGTH	73	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	U		S	C		SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		U					

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
LOCATION: 129 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 129 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 130 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 130 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	18	FT	C		S	C		SR3AS	0.7
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	18	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
				X20201	TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
				X30007	DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	100	FT	C		S	C	3376.1	3-WF3	1.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	100	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	U		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		U					

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 130 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 130 OF 587

WORK	FAC					
FUNC	CODE	DESC	EXIST	TAG	NEW	TAG

CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 131 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 131 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	33	FT	C		S	C	G7453	3-WF3	12.4
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	33	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND -- 12 INCH WIDTH	33	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	33	FT	C		S	C	3373.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	33	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	33	FT	C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	33	FT	C		S	C		3-WF3	3.3
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	50	FT	C		S	C		SR3AS	1.3
I-N			AB-M18		ASPHALT BASE MECH 18 IN	50	FT	C		S	C		C-BC	1.4
				114201	ASPHALT (BASE)	6	TN		C				SR4AL	1.4
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	70	FT	C		S	C	G7453	C-BC	2.8
				X20201	TRAFFIC BEARING STEEL PLATE	53	EA		C				C-BH	2.8
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	5.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	70	FT	C		S	C		C-DT	6.2
				X30007	DUMPING FEE	18	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	210	FT	C		S	C	G7409	3-WF3	0.4
				656400	SLURRY MIX, 1 SACK SAND	12	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	100	FT	C		S	C	3376.1	3-WF3	1.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	100	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 131 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 131 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1		CY		C					
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1		FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1		TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1		FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 132 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 132 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 133 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 133 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT	C		S	C	G7453	3-WF3	5.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	14	FT	C		S	C	G7405	3-WF3	
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	14	FT	C		S	C	3373.1	3-WF3	0.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	14	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	14	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	14	FT	C		S	C		SR3AS	0.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	14	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	5	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C		C-DT	0.5
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	6	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	U		S	C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		U					

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 134 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 134 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	33	FT	C		S	C	G7453	3-WF3	12.4
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	33	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	33	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	33	FT	C		S	C	3373.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	33	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	33	FT	C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1	FT	C		S	C		SR3CS	
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	103	FT	C		S	C		SR3AS	2.7
I-N			AB-M18		ASPHALT BASE MECH 18 IN	103	FT	C		S	C		C-BC	2.8
				114201	ASPHALT (BASE)	12	TN		C				SR4AL	2.8
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	110	FT	C		S	C	G7453	C-BC	4.4
				X20201	TRAFFIC BEARING STEEL PLATE	83	EA		C				C-BH	4.4
				114215	ASPHALT, COLD MIX	2	TN		C				3SWF4	8.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	110	FT	C		S	C		C-DT	9.7
				X30007	DUMPING FEE	28	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	330	FT	C		S	C	G7409	3-WF3	0.7
				656400	SLURRY MIX, 1 SACK SAND	19	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	110	FT	C		S	C	3376.1	3-WF3	1.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	110	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 134 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 134 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SMT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 135 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 135 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 136 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 136 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT		C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	17	FT		C		S	C	G7405	3-WF3	0.1
						1	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C		S	C	3373.1	3-WF3	0.3
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	17	FT		C		S	C		C-DT	0.4
						2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	13	FT		C		S	C		3-WF3	1.3
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4	FT		C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	4	FT		C		S	C		SR3CS	
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	16	FT		C		S	C	G7453	C-BC	0.6
				114215	ASPHALT, COLD MIX	12	EA		C					C-BH	0.6
						1	TN		C					3SWF4	1.3
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	16	FT		C		S	C		C-DT	1.4
						4	CY		C						
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	48	FT		C		S	C	G7409	3-WF3	0.1
						3	CY		C						
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	16	FT		C		S	C	3376.1	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	16	FT		C						
						1	CY		C						
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C		S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	1	EA		C						
						1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C		SR-3C	1.5
I-N			CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA		U		S	C		SR3CS	1.0
						1	CY		U						

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 136 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 136 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 137 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 137 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	60	FT	C		S	C		SR3AS	1.6
I-N		AB-M18		ASPHALT BASE MECH 18 IN	60	FT	C		S	C		C-BC	1.6
			114201	ASPHALT (BASE)	7	TN		C				SR4AL	1.6
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	63	FT	C		S	C	G7453	C-BC	2.5
			X20201	TRAFFIC BEARING STEEL PLATE	48	EA		C				C-BH	2.5
			114215	ASPHALT, COLD MIX	1	TN		C				SSWF4	5.0
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	63	FT	C		S	C		C-DT	5.5
			X30007	DUMPING FEE	16	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	252	FT	C		S	C	G7409	3-WF3	0.5
			656400	SLURRY MIX, 1 SACK SAND	15	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	74	FT	C		S	C	3376.1	3-WF3	1.0
			249664	CONDUIT DB 3 IN 20 FT LENGTH	74	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 138 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 138 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
E-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		CON-SB		CONDUIT WORK (STANDBY LINEMAN ASSIST)	2	HR	C		S	C		STNBY	2.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
			D218207		SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 139 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 139 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
				NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE	DESC		

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 140 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 140 OF 587

[WRK	[F-C	[MU ID	[AU ID	[STOCK#	DESCRIPTION/CONSTRUCTION NOTES	[QTY	[WRK	[MAT	[TIM	[ACC	[STANDARD	[CREW	[EST	
						[RQD	[UM	[RSP	[RSP	[TRT	[TRT	[PAGE	[TYPE	[HOURS
[I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
[I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
[I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
[I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
[I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
[I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	6	FT	C		S	C		3-WF3	0.6
[I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	12	FT	C		S	C		SR3AS	0.5
[I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	12	FT	C		S	C		SR3CS	
[I-N			AB-M18		ASPHALT BASE MECH 18 IN	82	FT	C		S	C		C-BC	2.2
				114201	ASPHALT (BASE)	9	TN		C				SR4AL	2.2
[I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	82	FT	C		S	C		SR3AS	2.1
[I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	85	FT	C		S	C	G7453	C-BC	3.4
				X20201	TRAFFIC BEARING STEEL PLATE	64	EA		C				C-BH	3.4
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	6.8
[I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	85	FT	C		S	C		C-DT	7.5
				X30007	DUMPING FEE	22	CY		C					
[I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	255	FT	C		S	C	G7409	3-WF3	0.5
				656400	SLURRY MIX, 1 SACK SAND	15	CY		C					
[I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	85	FT	C		S	C	3376.1	3-WF3	1.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	85	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
[I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
[I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	2	EA	C		S	C	3373.2	3-WF3	0.3
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 140 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 140 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C			S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C			S	C		3-WF3	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C			S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C						
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C			S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 141 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 141 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	24	FT	C		S	C	G7453	3-WF3	9.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	24	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	24	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	24	FT	C		S	C	3373.1	3-WF3	0.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	24	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	24	FT	C		S	C		C-DT	0.6
				X30007	DUMPING FEE	3	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	24	FT	C		S	C		SR3AS	1.0
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	24	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	8	FT	C		S	C	G7453	C-BC	0.3
				X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	8	FT	C		S	C		C-DT	0.7
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	24	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	8	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	8	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 142 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 142 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
			X30007	DUMPING FEE	2	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	18	FT	C		S	C		SR3AS	0.7
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	18	FT	C		S	C		SR3CS	0.1
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	27	FT	C		S	C		SR3AS	0.7
I-N		AB-M18		ASPHALT BASE MECH 18 IN	27	FT	C		S	C		C-BC	0.7
			114201	ASPHALT (BASE)	3	TN		C				SR4AL	0.7
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	57	FT	C		S	C	G7453	C-BC	2.3
			X20201	TRAFFIC BEARING STEEL PLATE	43	EA		C				C-BH	2.3
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	4.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	171	FT	C		S	C		C-DT	15.0
			X30007	DUMPING FEE	43	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	47	FT	C		S	C	G7409	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	47	FT	C		S	C	3376.1	3-WF3	0.7
			249664	CONDUIT DB 3 IN 20 FT LENGTH	47	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	U		S	C	3373.2	3-WF3	0.1
			321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		U					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		U					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 142 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 142 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 143 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 143 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	30	FT	C		S	C	G7453	3-WF3	11.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	30	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	30	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	30	FT	C		S	C	3373.1	3-WF3	0.5
			249664		CONDUIT DB 3 IN 20 FT LENGTH	30	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	30	FT	C		S	C		C-DT	0.8
			X30007		DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	25	FT	C		S	C		SR3AS	1.0
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	25	FT	C		S	C		SR3CS	0.1
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	47	FT	C		S	C	3376.1	3-WF3	0.7
			249664		CONDUIT DB 3 IN 20 FT LENGTH	47	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 144 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 144 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TTM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	24	FT	C		S	C	G7453	3-WF3	9.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	24	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	24	FT	C		S	C	G7405	3-WF3	0.1
						2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	24	FT	C		S	C	3373.1	3-WF3	0.4
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	24	FT	C		S	C		C-DT	0.6
						3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	11	FT	C		S	C		3-WF3	1.1
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	13	FT	C		S	C		SR3AS	0.5
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	13	FT	C		S	C		SR3CS	0.1
I-N			BR03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				114215	TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	EA		C				C-BH	0.2
						1	TN		C				3SWF4	0.4
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
						2	CY		C					
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT	C		S	C	G7409	3-WF3	
						1	CY		C					
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	5	FT	C		S	C	3376.1	3-WF3	0.1
				656400		5	FT		C					
						1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 145 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 145 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	6	EA	C		S	C	3373.2	3-WF3	0.3
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	6	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 146 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 146 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	8	FT	C		S	C		SR3AS	0.2
I-N			AB-M18		ASPHALT BASE MECH 18 IN	8	FT	C		S	C		C-BC	0.2
				114201	ASPHALT (BASE)	1	TN		C				SR4AL	0.2
I-N			BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	15	FT	C		S	C	G7453	C-BC	0.6
				X20201	TRAFFIC BEARING STEEL PLATE	12	EA		C				C-BH	0.6
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	1.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	15	FT	C		S	C		C-DT	1.3
				X30007	DUMPING FEE	4	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	45	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	180	FT	C		S	C	3376.1	3-WF3	2.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	180	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	4	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	U		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		U					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 147 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 147 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	24	FT	C		S	C	G7453	3-WF3	9.1
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	24	FT	C		S	C		3-WF3	0.4
												C-BC	0.4
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	24	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		IDB3-S		1-3 IN DB CONDUIT SEC	24	FT	C		S	C	3373.1	3-WF3	0.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	24	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	24	FT	C		S	C		C-DT	0.6
			X30007	DUMPING FEE	3	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	24	FT	C		S	C		3-WF3	2.4
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	12	FT	C		S	C	G7453	C-BC	0.5
			X20201	TRAFFIC BEARING STEEL PLATE	9	EA		C				C-BH	0.5
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	1.0
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	12	FT	C		S	C		C-DT	1.1
			X30007	DUMPING FEE	3	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	36	FT	C		S	C	G7409	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	12	FT	C		S	C	3376.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	12	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 148 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 148 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAP	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSR	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA		C					
I-N		X-XF1P			PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W			TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	6	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	6	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218242	SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 149 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 149 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	21	FT	C		S	C		SR3AS	0.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	28	FT	C		S	C	G7453	C-BC	1.1
			X20201		TRAFFIC BEARING STEEL PLATE	21	EA		C				C-BH	1.1
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	2.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	28	FT	C		S	C		C-DT	2.5
			X30007		DUMPING FEE	7	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	84	FT	C		S	C	G7409	3-WF3	0.2
			656400		SLURRY MIX, 1 SACK SAND	5	CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	21	FT	C		S	C		C-BC	1.4
			X20022		GRIND ASPHALT (PER SF)	21	SF		C				SR-3A	1.4
			114201		ASPHALT (BASE)	2	TN		C					
			114202		ASPHALT (TOP)	1	TN		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	66	FT	C		S	C	3376.1	3-WF3	0.9
			249664		CONDUIT DB 3 IN 20 FT LENGTH	66	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215		ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 150 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 150 OF 587

WRK	F-C MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK MAT	TIM ACC	STANDARD	CREW	EST	
					RQD	UM RSP	RSP TRT	TRT PAGE	TYPE	HOURS	
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	13 FT	C	S	C	G7453	3-WF3	5.2
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	13 FT	C	S	C		3-WF3	0.2
										C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	13 FT	C	S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1 TN	C				C-BH	
										C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	13 FT	C	S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	13 FT	C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	13 FT	C	S	C		C-DT	0.3
			X30007	DUMPING FEE	2 CY	C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	13 FT	C	S	C		SR3AS	0.5
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	13 FT	C	S	C		SR3CS	0.1
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5 FT	C	S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4 EA	C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1 TN	C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5 FT	C	S	C		C-DT	0.4
			X30007	DUMPING FEE	2 CY	C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15 FT	C	S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1 CY	C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5 FT	C	S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	5 FT	C					
			656400	SLURRY MIX, 1 SACK SAND	1 CY	C					
I-N		1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1 EA	C	S	C	3373.2	3-WF3	0.1
			321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1 EA	C					
			656400	SLURRY MIX, 1 SACK SAND	1 CY	C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1 EA	C	S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1 EA	C	S	C		TC4	1.0

WORK	FAC										
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES						

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 151 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 151 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFFERED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	18	FT	C		S	C		3-WF3	1.8
I-N		BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 152 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 152 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA	C						
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA	C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 153 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 153 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N		BKE-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	18	FT	C		S	C		3-WF3	1.8
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	8	FT	C		S	C	G7453	C-BC	0.3
			X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	8	FT	C		S	C		C-DT	0.7
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	24	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	8	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	8	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 154 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 154 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	25	FT	C		S	C	G7453	3-WF3	9.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	25	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	25	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	25	FT	C		S	C	3373.1	3-WF3	0.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	25	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	25	FT	C		S	C		C-DT	0.6
			X30007		DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1	FT	C		S	C		SR3CS	
I-N			BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 155 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 155 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	10	FT	C		S	C		SR3AS	0.3
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	15	FT	C		S	C	G7453	C-BC	0.6
			X20201	TRAFFIC BEARING STEEL PLATE	12	EA		C				C-BH	0.6
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	1.2
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	15	FT	C		S	C		C-DT	1.3
			X30007	DUMPING FEE	4	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	45	FT	C		S	C	G7409	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N		AS-M18		ASPHALT BASE & TOP MECH 18 IN	10	FT	C		S	C		C-BC	0.7
			X20022	GRIND ASPHALT (PER SF)	10	SF		C				SR-3A	0.7
			114201	ASPHALT (BASE)	1	TN		C					
			114202	ASPHALT (TOP)	1	TN		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	97	FT	C		S	C	3376.1	3-WF3	1.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	97	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 156 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 156 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N			BKT-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SMD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFFERED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.8
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	20	FT	C		S	C		SR3CS	0.1
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	21	FT	C		S	C		SR3AS	0.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	21	FT	C		S	C		C-BC	0.6
				114201	ASPHALT (BASE)	3	TN		C				SR4AL	0.6
I-N			BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	31	FT	C		S	C	G7453	C-BC	1.2
				X20201	TRAFFIC BEARING STEEL PLATE	24	EA		C				C-BH	1.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	31	FT	C		S	C		C-DT	2.7
				X30007	DUMPING FEE	8	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	93	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	46	FT	C		S	C	3376.1	3-WF3	0.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	46	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 156 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 156 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N	XING/S			TRAFFIC COND. (XING LANE) STREET REPAIR	1	ET	C		S	C	TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 157 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 157 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7	
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3	
													C-BC	0.3	
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1	
													C-DT	0.1	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3	
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5	
				X30007	DUMPING FEE	2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	20	FT	C		S	C		3-WF3	2.0	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	11	FT	C		S	C	G7453	C-BC	0.4	
				X20201	TRAFFIC BEARING STEEL PLATE	9	EA		C				C-BH	0.4	
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.9	
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	11	FT	C		S	C		C-DT	1.0	
				X30007	DUMPING FEE	3	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	33	FT	C		S	C	G7409	3-WF3	0.1	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	46	FT	C		S	C	3376.1	3-WF3	0.6	
				249664	CONDUIT DB 3 IN 20 FT LENGTH	46	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1EB3-8		1-3 IN DB 45 D 36 IN R BEND CONC ENC	2	EA		C	S	C	3376.1	3-WF3	0.1	
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C						
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	2	EA		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C	S	C		TC3	1.0	
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C	S	C		TC4	1.0	
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0	
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1	
				114215	ASPHALT, COLD MIX	1	TN		C						
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1	

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
LOCATION: 157 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 157 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 158 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 158 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 159 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 159 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	470	FT	C		S	C		SR3AS	12.2
I-N			AB-M24		ASPHALT BASE MECH 24 IN	470	FT	U		S	C		SR-3A	12.7
				114201	ASPHALT (BASE)	18	TN		U					
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	485	FT	C		S	C	G7453	C-BC	24.3
				X20201	TRAFFIC BEARING STEEL PLATE	485	EA		C				C-BH	24.3
				114215	ASPHALT, COLD MIX	5	TN		C				3SWF4	48.5
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	485	FT	C		S	C		C-DT	58.2
				X30007	DUMPING FEE	165	CY		C					
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	1455	FT	C		S	C	G7409	3-WF3	4.4
				656400	SLURRY MIX, 1 SACK SAND	108	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	485	FT	U		S	C	3376.1	3-WF3	6.8
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	10	CY		U					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	485	FT		U					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	81	EA		U					
				663530	1 IN BASE SPACER	81	EA		U					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	U		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		U					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		U					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	U		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 13,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 160 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 160 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	83	FT	C		S	C		SR3AS	2.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	95	FT	C		S	C	G7453	C-BC	3.8
			X20201		TRAFFIC BEARING STEEL PLATE	72	EA		C				C-BH	3.8
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	7.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	95	FT	C		S	C		C-DT	8.4
			X30007		DUMPING FEE	24	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	285	FT	C		S	C	G7409	3-WF3	0.6
			656400		SLURRY MIX, 1 SACK SAND	16	CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	83	FT	C		S	C		C-BC	5.6
			X20022		GRIND ASPHALT (PER SF)	83	SF		C				SR-3A	5.6
			114201		ASPHALT (BASE)	8	TN		C					
			114202		ASPHALT (TOP)	2	TN		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	83	FT	C		S	C	3376.1	3-WF3	1.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	83	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 161 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 161 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	16	FT	C		S	C	G7405	3-WF3	
						1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	16	FT	C		S	C	3373.1	3-WF3	0.2
						16	FT		C					
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	16	FT	C		S	C		C-DT	0.4
						2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	16	FT	C		S	C		SR3AS	0.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	16	FT	C		S	C		SR3CS	0.1
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	9	FT	C		S	C	G7453	C-BC	0.4
				114215	ASPHALT, COLD MIX	7	EA		C				C-BH	0.4
						1	TN		C				3SWF4	0.7
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	9	FT	C		S	C		C-DT	0.8
						3	CY		C					
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	27	FT	C		S	C	G7409	3-WF3	0.1
						2	CY		C					
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	9	FT	C		S	C	3376.1	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	9	FT		C					
						1	CY		C					
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C		S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	1	EA		C					
						1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 162 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 162 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 163 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 163 OF 587

WRK	MAT	TIM	ACC	STANDARD	CREW	EST		
F-C	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N	BH03XH							
	X20201							
	114215							
I-N	REM-3'							
	X30007							
I-N	SLR-18							
	656400							
I-N	1EB3SL							
	249664							
	656400							
I-N	1-3SLB							
	322048							
	656400							
I-N	LN-S/U							
I-N	LN/S/S							
I-N	3'HD-A							
I-N	BKF-3'							
I-N	SHD-12							
	611492							
I-N	1DB3-S							
	249664							
I-N	R-XCES							
	X30007							
I-N	CC-2CT							
I-N	CF-H12							

WORK FAC
FUNG CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 164 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 164 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	30	FT	C		S	C		SR3AS	0.8
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	41	FT	C		S	C	G7453	C-BC	1.6
			X20201		TRAFFIC BEARING STEEL PLATE	31	EA		C				C-BH	1.6
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	3.3
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	41	FT	C		S	C		C-DT	3.6
			X30007		DUMPING FEE	11	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	123	FT	C		S	C	G7409	3-WF3	0.2
			656400		SLURRY MIX, 1 SACK SAND	7	CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	30	FT	C		S	C		C-BC	2.0
			X20022		GRIND ASPHALT (PER SF)	30	SF		C				SR-3A	2.0
			114201		ASPHALT (BASE)	3	TN		C					
			114202		ASPHALT (TOP)	1	TN		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	41	FT	C		S	C	3376.1	3-WF3	0.6
			249664		CONDUIT DB 3 IN 20 FT LENGTH	41	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT		C		S	C	TC4	0.1
			114215		ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT		C		S	C	TC4	0.1
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT		C		S	C	3-WF3	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 165 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 165 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	15	FT	C		S	C	G7405	3-WF3	
						1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	15	FT	C		S	C	3373.1	3-WF3	0.2
						15	FT		C					
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	15	FT	C		S	C		C-DT	0.4
						2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	15	FT	C		S	C		3-WF3	1.5
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				114215	TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	EA		C				C-BH	0.2
						1	TN		C				3SWF4	0.4
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
						2	CY		C					
I-N			SIR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT	C		S	C	G7409	3-WF3	
						1	CY		C					
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	5	FT	C		S	C	3376.1	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	5	FT		C					
						1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 166 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 166 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	15	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	15	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	15	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	15	FT	C		S	C		SR3AS	0.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	15	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 167 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 167 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 168 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 168 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	6	FT	C		S	C		SR3AS	0.2
I-N			AB-M18		ASPHALT BASE MECH 18 IN	6	FT	C		S	C		C-BC	0.2
				114201	ASPHALT (BASE)	1	TN			C			SR4AL	0.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	16	FT	C		S	C	G7453	C-BC	0.6
				X20201	TRAFFIC BEARING STEEL PLATE	12	EA			C			C-BH	0.6
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	1.3
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	16	FT	C		S	C		C-DT	1.4
				X30007	DUMPING FEE	4	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	48	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	3	CY			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	85	FT	C		S	C	3376.1	3-WF3	1.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	85	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1-3SLE		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN			C			C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	18	FT	C		S	C		3-WF3	1.8

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 169 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 169 OF 587

WRK F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK UM	MAT RSP	TIM RSP	ACC TRT	STANDARD PAGE	CREW TYPE	EST HOURS	
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3 C-BC	0.3 0.3
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	17	FT	C		S	C	G7405	3-WF3 C-BH C-DT	0.1 0.1 0.1
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	17	FT	C		S	C	3373.1	3-WF3	0.3
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	17	FT	C		S	C		C-DT	0.4
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT	C		S	C		3-WF3	1.7
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	21	FT	C		S	C		SR3AS	0.5
I-N		AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	21	FT	C		S	C		C-BC SR4AL	0.6 0.6
I-N		BH03XH	X20201 114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	31	FT	C		S	C	G7453	C-BC C-BH 3SWF4	1.2 1.2 2.5
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	31	FT	C		S	C		C-DT	2.7
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	93	FT	C		S	C	G7409	3-WF3	0.2
I-N		1EB3SL	249664 656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	47	FT	C		S	C	3376.1	3-WF3	0.7
I-N		1-3SLB	322048 656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1	EA	C		S	C	3373.2	3-WF3	0.1
I-N		1-3SLS	322144 656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	4	EA	C		S	C	3373.2	3-WF3	0.7
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 169 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 169 OF 587

WRK	P-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			KING-U	114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	1	FT	C			S	C		TC4	0.1
I-N			KING/S		TRAFFIC COND. (KING LANE) STREET REPAIR	1	FT	C			S	C		TC4	0.1

WORK	FAC														
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES										

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 170 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 170 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	6	FT	C		S	C		3-WF3	0.6
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	12	FT	C		S	C		SR3AS	0.5
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	12	FT	C		S	C		SR3CS	
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	35	FT	C		S	C	G7453	C-BC	1.4
			X20201	TRAFFIC BEARING STEEL PLATE	27	EA		C				C-BH	1.4
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.8
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	35	FT	C		S	C		C-DT	3.1
			X30007	DUMPING FEE	9	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	105	FT	C		S	C	G7409	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	40	FT	C		S	C	3376.1	3-WF3	0.6
			249664	CONDUIT DB 3 IN 20 FT LENGTH	40	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 170 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 170 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 171 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 171 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	16	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	16	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	16	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	16	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	16	FT	C		S	C		SR3AS	0.6
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	16	FT	C		S	C		SR3CS	0.1
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 172 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 172 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	6	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	6	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 173 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 173 OF 587

WRK F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK UM	MAT RSP	TIM RSP	ACC TRT	STANDARD TRT	PAGE	CREW TYPE	EST HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	21	FT	C		S	C	G7453	3-WF3	8.1
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	21	FT	C		S	C		3-WF3 C-BC	0.3 0.3
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	21	FT	C		S	C	G7405	3-WF3 C-BH C-DT	0.1 0.1 0.1
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	21	FT	C		S	C	3373.1	3-WF3	0.3
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	21	FT	C		S	C		C-DT	0.5
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING.	21	FT	C		S	C		3-WF3	2.1
I-N		BH03XH	X20201 114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	5	FT	C		S	C	G7453	C-BC C-BH 3SWF4	0.2 0.2 0.4
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT	C		S	C	G7409	3-WF3	
I-N		1EB3SL	249664 656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	5	FT	C		S	C	3376.1	3-WF3	0.1
I-N		1-3SLB	322048 656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1	EA	C		S	C	3373.2	3-WF3	0.1
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 174 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 174 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN						C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT							
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY							
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	17	FT	C		S	C		SR3AS	0.7
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	17	FT	C		S	C		SR3CS	0.1
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	27	FT	C		S	C		SR3AS	0.7
I-N			AB-M18		ASPHALT BASE MECH 18 IN	27	FT	C		S	C		C-BC	0.7
				114201	ASPHALT (BASE)	3	TN						SR4AL	0.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	50	FT	C		S	C	G7453	C-BC	2.0
				X20201	TRAFFIC BEARING STEEL PLATE	38	EA						C-BH	2.0
				114215	ASPHALT, COLD MIX	1	TN						3SWF4	4.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	50	FT	C		S	C		C-DT	4.4
				X30007	DUMPING FEE	13	CY							
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	150	FT	C		S	C	G7409	3-WF3	0.3
				656400	SLURRY MIX, 1 SACK SAND	9	CY							
I-N			1SB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	50	FT	C		S	C	3376.1	3-WF3	0.7
				249664	CONDUIT DB 3 IN 20 FT LENGTH	50	FT							
				656400	SLURRY MIX, 1 SACK SAND	1	CY							
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA			S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA							
				656400	SLURRY MIX, 1 SACK SAND	1	CY							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT			S	C		TC4	0.1

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 174 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 174 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
				114215	ASPHALT, COLD MIX	1	TN		C						
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1	
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	15	FT	C		S	C		3-WF3	1.5	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 175 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 175 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT	C		S	C	G7453	3-WF3	5.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	14	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	14	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	14	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	14	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	14	FT	C		S	C		3-WF3	1.4
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	30	FT	C		S	C		SR3AS	0.8
I-N			AB-M18		ASPHALT BASE MECH 18 IN	30	FT	C		S	C		C-BC	0.8
				114201	ASPHALT (BASE)	4	TN		C				SR4AL	0.8
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	54	FT	C		S	C	G7453	C-BC	2.2
				X20201	TRAFFIC BEARING STEEL PLATE	41	EA		C				C-BH	2.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	4.3
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	54	FT	C		S	C		C-DT	4.8
				X30007	DUMPING FEE	14	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	162	FT	C		S	C	G7409	3-WF3	0.3
				656400	SLURRY MIX, 1 SACK SAND	10	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	24	FT	C		S	C	3376.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	24	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	3	EA	C		S	C	3373.2	3-WF3	0.5
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 175 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 175 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 176 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 176 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT	C		S	C	G7453	3-WF3	5.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	14	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	14	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	14	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	14	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	14	FT	C		S	C		SR3AS	0.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	14	FT	C		S	C		SR3CS	0.1
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	34	FT	C		S	C	3376.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	34	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	3	EA	C		S	C	3373.2	3-WF3	0.5
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 177 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 177 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	183	FT	C		S	C	3376.1	3-WF3	2.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	183	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	4	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 178 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 178 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA		C					
I-N		X-XF1P			PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TC-T-W			TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	7	EA	C		S	C	3373.2	3-WF3	0.4
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	7	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218243	SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 179 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 179 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	6	FT	C		S	C		SR3AS	0.2
I-N		AB-M18		ASPHALT BASE MECH 18 IN	6	FT	C		S	C		C-BC	0.2
			114201	ASPHALT (BASE)	1	TN		C				SR4AL	0.2
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	16	FT	C		S	C	G7453	C-BC	0.6
			X20201	TRAFFIC BEARING STEEL PLATE	12	EA		C				C-BH	0.6
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	1.3
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	16	FT	C		S	C		C-DT	1.4
			X30007	DUMPING FEE	4	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	48	FT	C		S	C	G7409	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	86	FT	C		S	C	3376.1	3-WF3	1.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	86	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	16	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	16	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	16	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	16	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	16	FT	C		S	C		3-WF3	1.6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 179 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 179 OF 587

WORK	FAC				
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 180 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 180 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	7	FT	C		S	C	G7453	3-WF3	3.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	7	FT	C		S	C		3-WF3	0.1
												C-BC	0.1
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	7	FT	C		S	C	G7405	3-WF3	
					1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	7	FT	C		S	C	3373.1	3-WF3	0.1
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	7	FT	C		S	C		C-DT	0.2
					1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	4	FT	C		S	C		3-WF3	0.4
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	3	FT	C		S	C		SR3AS	0.1
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	3	FT	C		S	C		SR3CS	
I-N		BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	5	FT	C		S	C	G7453	C-BC	0.2
			114215	ASPHALT, COLD MIX	4	EA		C				C-BH	0.2
					1	TN		C				3SWF4	0.4
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
					2	CY		C					
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT	C		S	C	G7409	3-WF3	
					1	CY		C					
I-N		1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	5	FT	C		S	C	3376.1	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C		S	C	3373.2	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 181 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 181 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1			EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1			EA	C						
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1			EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1			EA	C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2			EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2			EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1			CY	C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1			FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 182 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 182 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	133	FT	C		S	C		SR3AS	3.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	133	FT	C		S	C		C-BC	3.6
				114201	ASPHALT (BASE)	15	TN		C				SR4AL	3.6
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	147	FT	C		S	C	G7453	C-BC	5.9
				X20201	TRAFFIC BEARING STEEL PLATE	111	EA		C				C-BH	5.9
				114215	ASPHALT, COLD MIX	2	TN		C				3SWF4	11.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	147	FT	C		S	C		C-DT	12.9
				X30007	DUMPING FEE	37	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	441	FT	C		S	C	G7409	3-WF3	0.9
				656400	SLURRY MIX, 1 SACK SAND	25	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	147	FT	C		S	C	3376.1	3-WF3	2.1
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	3	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	147	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	25	EA		C					
				663530	1 IN BASE SPACER	25	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 183 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 183 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8	
I-N			X09H26	162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8	
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2	
				656400	BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	4	EA	C							
						1	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 184 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 184 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	5	FT	C		S	C	G7453	3-WF3	2.3
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	5	FT	C		S	C		3-WF3	0.1
												C-BC	0.1
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	5	FT	C		S	C	G7405	3-WF3	
					1	TN		C				C-BH	
												C-DT	
I-N		IDB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	5	FT	C		S	C	3373.1	3-WF3	0.1
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	5	FT	C		S	C		C-DT	0.1
					1	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N		BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	FT	C		S	C	G7453	C-BC	0.2
			114215		3	EA		C				C-BH	0.2
					1	TN		C				3SWF4	0.3
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	4	FT	C		S	C		C-DT	0.4
					1	CY		C					
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	12	FT	C		S	C	G7409	3-WF3	
					1	CY		C					
I-N		1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	4	FT	C		S	C	3376.1	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	4	FT		C					
					1	CY		C					
I-N		1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C		S	C	3373.2	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	1	EA		C					
					1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 185 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 185 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	5	FT	C		S	C	G7453	3-WF3	2.3	
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	5	FT	C		S	C		3-WF3	0.1	
													C-BC	0.1	
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	5	FT	C		S	C	G7405	3-WF3		
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH		
													C-DT		
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	5	FT	C		S	C	3373.1	3-WF3	0.1	
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	5	FT	C		S	C		C-DT	0.1	
				X30007	DUMPING FEE	1	CY		C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS		
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	4	FT	C		S	C	G7453	C-BC	0.2	
				X20201	TRAFFIC BEARING STEEL PLATE	3	EA		C				C-BH	0.2	
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.3	
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	4	FT	C		S	C		C-DT	0.4	
				X30007	DUMPING FEE	1	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	12	FT	C		S	C	G7409	3-WF3		
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	4	FT	C		S	C	3376.1	3-WF3	0.1	
				249664	CONDUIT DB 3 IN 20 FT LENGTH	4	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1	
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0	
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0	

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 186 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 186 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	21	FT	C		S	C		SR3AS	0.5
I-N		AB-M18		ASPHALT BASE MECH 18 IN	21	FT	C		S	C		C-BC	0.6
			114201	ASPHALT (BASE)	3	TN		C				SR4AL	0.6
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	33	FT	C		S	C	67453	C-BC	1.3
			X20201	TRAFFIC BEARING STEEL PLATE	25	EA		C				C-BH	1.3
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	33	FT	C		S	C		C-DT	2.9
			X30007	DUMPING FEE	9	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	151	FT	C		S	C	3376.1	3-WF3	2.1
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	3	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	151	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	26	EA		C					
			663530	1 IN BASE SPACER	26	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 187 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 187 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	200	FT	C		S	C		SR3AS	5.2
I-N			AB-M24		ASPHALT BASE MECH 24 IN	200	FT	C		S	C		SR-3A	5.4
				114201	ASPHALT (BASE)	8	TN		C					
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	210	FT	C		S	C	G7453	C-BC	10.5
				X20201	TRAFFIC BEARING STEEL PLATE	210	EA		C				C-BH	10.5
				114215	ASPHALT, COLD MIX	2	TN		C				3SWF4	21.0
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	210	FT	C		S	C		C-DT	25.2
				X30007	DUMPING FEE	72	CY		C					
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	600	FT	C		S	C	G7409	3-WF3	1.8
				656400	SLURRY MIX, 1 SACK SAND	45	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	200	FT	C		S	C	3376.1	3-WF3	2.8
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	4	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	200	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	34	EA		C					
				663530	1 IN BASE SPACER	34	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 188 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 188 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA			C				
I-N			X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218241	SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 189 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 189 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	27	FT	C		S	C		SR3AS	0.7
I-N			AB-M18		ASPHALT BASE MECH 18 IN	27	FT	C		S	C		C-BC	0.7
				114201	ASPHALT (BASE)	3	TN		C				SR4AL	0.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	40	FT	C		S	C	G7453	C-BC	1.6
				X20201	TRAFFIC BEARING STEEL PLATE	30	EA		C				C-BH	1.6
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	3.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	40	FT	C		S	C		C-DT	3.5
				X30007	DUMPING FEE	10	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	120	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	7	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	27	FT	C		S	C	3376.1	3-WF3	0.4
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	27	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	5	EA		C					
				663530	1 IN BASE SPACER	5	EA		C					
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (KING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 190 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 190 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	7	FT	C		S	C	G7453	3-WF3	3.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	7	FT	C		S	C		3-WF3	0.1
													C-BC	0.1
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	7	FT	C		S	C	G7405	3-WF3	
						1	TN		C				C-BH	
													C-DT	
I-N			IDB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	7	FT	C		S	C	3373.1	3-WF3	0.1
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	7	FT	C		S	C		C-DT	0.2
						1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	7	FT	C		S	C		3-WF3	0.7
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				114215	TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	EA		C				C-BH	0.2
						1	TN		C				3SWF4	0.4
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
						2	CY		C					
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT	C		S	C	G7409	3-WF3	
						1	CY		C					
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	5	FT	C		S	C	3376.1	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	5	FT		C					
						1	CY		C					
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C		S	C	3373.2	3-WF3
				656400	SLURRY MIX, 1 SACK SAND	1	EA		C					0.1
						1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 191 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 191 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	12	FT		C		S	C	G7453	3-WF3	4.8
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	12	FT		C		S	C		3-WF3	0.2
														C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	12	FT		C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C					C-BH	
														C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	12	FT		C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	12	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	12	FT		C		S	C		C-DT	0.3
				X30007	DUMPING FEE	2	CY		C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	12	FT		C		S	C		SR3AS	0.5
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	12	FT		C		S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT		C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C					C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C					3SWE4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT		C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT		C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT		C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 192 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 192 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N			X09H26	162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA	C		S	C	3373.2	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 193 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 193 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 194 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 194 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	26	FT	C		S	C		SR3AS	0.7
I-N		AB-M18		ASPHALT BASE MECH 18 IN	26	FT	C		S	C		C-BC	0.7
			114201	ASPHALT (BASE)	3	TN		C				SR4AL	0.7
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	30	FT	C		S	C	67453	C-BC	1.2
			X20201	TRAFFIC BEARING STEEL PLATE	23	EA		C				C-BH	1.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	30	FT	C		S	C		C-DT	2.6
			X30007	DUMPING FEE	8	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	90	FT	C		S	C	67409	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	145	FT	C		S	C	3376.1	3-WF3	2.0
			249664	CONDUIT DB 3 IN 20 FT LENGTH	145	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 195 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 195 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1		EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1		EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1		EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1		EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5		EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5		EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1		CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1		FT	C		S	C		3-WF3	0.1

WORK	FAC														
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES										

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 196 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 196 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	5	FT	C		S	C	G7453	3-WF3	2.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	5	FT	C		S	C		3-WF3	0.1
													C-BC	0.1
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	5	FT	C		S	C	G7405	3-WF3	
						1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	5	FT	C		S	C	3373.1	3-WF3	0.1
						5	FT		C					
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	5	FT	C		S	C		C-DT	0.1
						1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				114215	TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	EA		C				C-BH	0.2
						1	TN		C				3SWF4	0.4
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
						2	CY		C					
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT	C		S	C	G7409	3-WF3	
						1	CY		C					
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	45	FT	C		S	C	3376.1	3-WF3	0.6
				656400		45	FT		C					
						1	CY		C					
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C		S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	EA		C					
						1	CY		C					
I-N			1-3SL8	321878	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA	C		S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	1	EA		C					
						1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNG CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 197 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 197 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	5	FT	C		S	C	G7453	3-WF3	2.3
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	5	FT	C		S	C		3-WF3	0.1
												C-BC	0.1
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	5	FT	C		S	C	G7405	3-WF3	
					1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	5	FT	C		S	C	3373.1	3-WF3	0.1
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	5	FT	C		S	C		C-DT	0.1
					1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	2	FT	C		S	C		3-WF3	0.2
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	3	FT	C		S	C		SR3AS	0.1
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	3	FT	C		S	C		SR3CS	
I-N		BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	5	FT	C		S	C	G7453	C-BC	0.2
			114215	ASPHALT, COLD MIX	4	EA		C				C-BH	0.2
					1	TN		C				3SWF4	0.4
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
					2	CY		C					
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT	C		S	C	G7409	3-WF3	
					1	CY		C					
I-N		1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	50	FT	C		S	C	3376.1	3-WF3	0.7
			656400	SLURRY MIX, 1 SACK SAND	50	FT		C					
					1	CY		C					
I-N		1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C		S	C	3373.2	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	2	EA		C					
					1	CY		C					
I-N		1-3SL8	321878	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA	C		S	C	3373.2	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	1	EA		C					
					1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

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DPSS - DESIGN REVIEW COPY - DETAIL

PAGE NO 226

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 197 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 197 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 198 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 198 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			13'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT	C		S	C		3-WF3	1.7
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	20	FT	U		S	C		C-BC	0.5
			114201		ASPHALT (BASE)	3	TN		U				SR4AL	0.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	30	FT	C		S	C	G7453	C-BC	1.2
			X20201		TRAFFIC BEARING STEEL PLATE	23	EA		C				C-BH	1.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	2.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	30	FT	C		S	C		C-DT	2.6
			X30007		DUMPING FEE	8	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	90	FT	C		S	C	G7409	3-WF3	0.2
			656400		SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	80	FT	C		S	C	3376.1	3-WF3	1.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	80	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 199 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 199 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT	C		S	C		3-WF3	1.7
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	20	FT	U		S	C		C-BC	0.5
				114201	ASPHALT (BASE)	3	TN		U				SR4AL	0.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	30	FT	C		S	C	G7453	C-BC	1.2
				X20201	TRAFFIC BEARING STEEL PLATE	23	EA		C				C-BH	1.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	30	FT	C		S	C		C-DT	2.6
				X30007	DUMPING FEE	8	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	90	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	104	FT	C		S	C	3376.1	3-WF3	1.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	104	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 200 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 200 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	256	FT	C		S	C		SR3AS	6.7
I-N			AB-M24		ASPHALT BASE MECH 24 IN	256	FT	C		S	C		SR-3A	6.9
				114201	ASPHALT (BASE)	10	TN			C				
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	286	FT	C		S	C	G7453	C-BC	14.3
				X20201	TRAFFIC BEARING STEEL PLATE	286	EA			C			C-BH	14.3
				114215	ASPHALT, COLD MIX	3	TN			C			3SWF4	28.6
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	286	FT	C		S	C		C-DT	34.3
				X30007	DUMPING FEE	98	CY			C				
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	858	FT	C		S	C	G7409	3-WF3	2.6
				656400	SLURRY MIX, 1 SACK SAND	64	CY			C				
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	276	FT	C		S	C	3376.1	3-WF3	3.9
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	6	CY			C				
				249664	CONDUIT DB 3 IN 20 FT LENGTH	276	FT			C				
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	47	EA			C				
				663530	1 IN BASE SPACER	47	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	1	EA	C		S	C	3373.2	3-WF3	0.2
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	1	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	20	FT	C		S	C		3-WF3	2.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 10,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 201 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 201 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST		
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS	
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1	
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2	
													C-BC	0.2	
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	10	FT	C		S	C	G7405	3-WF3		
						1	TN		C				C-BH		
													C-DT		
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	10	FT	C		S	C	3373.1	3-WF3	0.2	
						10	FT		C						
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	10	FT	C		S	C		C-DT	0.3	
						1	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	3	FT	C		S	C		3-WF3	0.3	
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	7	FT	C		S	C		SR3AS	0.3	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	7	FT	C		S	C		SR3CS		
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.1	
I-N			AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	5	FT	C		S	C		C-BC	0.1	
						1	TN		C				SR4AL	0.1	
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	17	FT	C		S	C	G7453	C-BC	0.7	
				114215	ASPHALT, COLD MIX	13	EA		C				C-BH	0.7	
						1	TN		C				3SWF4	1.4	
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	17	FT	C		S	C		C-DT	1.5	
						5	CY		C						
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	51	FT	C		S	C	G7409	3-WF3	0.1	
						3	CY		C						
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	70	FT	C		S	C	3376.1	3-WF3	1.0	
				656400	SLURRY MIX, 1 SACK SAND	70	FT		C						
						2	CY		C						
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C		S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	EA		C						
						1	CY		C						
I-N			1-3SL8	321878	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R	2	EA		C		S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	EA		C						
						1	CY		C						

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 201 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 201 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	EA	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1			EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1			EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 202 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 202 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST		
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS	
I-N			3	HD-A	HAND DIG TRENCH 3 FT DEEP AVE	6	FT	C		S	C	G7453	3-WF3	2.7	
I-N				BKF-3'	BACKFILL TRENCH 3 FOOT DEEP	6	FT	C		S	C		3-WF3	0.1	
													C-BC	0.1	
I-N				SHD-12	SHADE TRENCH WITH SAND - 12 INCH WIDTH	6	FT	C		S	C	G7405	3-WF3		
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH		
													C-DT		
I-N				1DB3-S	1-3 IN DB CONDUIT SEC	6	FT	C		S	C	3373.1	3-WF3	0.1	
			249664		CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C						
I-N				R-XCES	EXCESS TRENCH SPOIL (12 IN DEEP)	6	FT	C		S	C		C-DT	0.2	
			X30007		DUMPING FEE	1	CY		C						
I-N				CC-2CT	CONCRETE 2 SAW CUT AND BREAK MECH	6	FT	C		S	C		SR3AS	0.2	
I-N				CF-H12	FINISH CONCRETE SURFACE MAN 12 IN	6	FT	C		S	C		SR3CS		
I-N				BH03XH	MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2	
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2	
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4	
I-N				REM-3'	TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4	
			X30007		DUMPING FEE	2	CY		C						
I-N				SLR-18	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3		
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N				1EB3SL	1-3 IN EB CONDUIT SLURRY ENCASED	66	FT	C		S	C	3376.1	3-WF3	0.9	
			249664		CONDUIT DB 3 IN 20 FT LENGTH	66	FT		C						
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N				1-3SLB	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N				LN-S/U	TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0	
I-N				LN/S/S	LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0	

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 203 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 203 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA							
I-N			X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB							
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	6	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	6	EA							
				656400	SLURRY MIX, 1 SACK SAND	2	CY							

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218240	SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 204 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 204 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	12	FT	C		S	C	G7453	3-WF3	4.8
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	12	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	12	FT	C		S	C	G7405	3-WF3	
						1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	12	FT	C		S	C	3373.1	3-WF3	0.2
						12	FT		C					
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	12	FT	C		S	C		C-DT	0.3
						2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	12	FT	C		S	C		SR3AS	0.5
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	12	FT	C		S	C		SR3CS	
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	5	FT	C		S	C	G7453	C-BC	0.2
				114215	ASPHALT, COLD MIX	4	EA		C				C-BH	0.2
						1	TN		C				3SWF4	0.4
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
						2	CY		C					
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT	C		S	C	G7409	3-WF3	
						1	CY		C					
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	5	FT	C		S	C	3376.1	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	5	FT		C					
						1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 205 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 205 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	12	FT	C		S	C		3-WF3	1.2
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	3	FT	C		S	C		SR3AS	0.1
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	3	FT	C		S	C		SR3CS	
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	18	FT	C		S	C		SR3AS	0.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	18	FT	U		S	C		C-BC	0.5
			114201		ASPHALT (BASE)	2	TN		U				SR4AL	0.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	28	FT	C		S	C	G7453	C-BC	1.1
			X20201		TRAFFIC BEARING STEEL PLATE	21	EA		C				C-BH	1.1
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	2.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	28	FT	C		S	C		C-DT	2.5
			X30007		DUMPING FEE	7	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	82	FT	C		S	C	G7409	3-WF3	0.2
			656400		SLURRY MIX, 1 SACK SAND	5	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	97	FT	C		S	C	3376.1	3-WF3	1.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	97	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 205 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 205 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 206 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 206 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	18	FT	C		S	C		SR3AS	0.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	18	FT	C		S	C		C-BC	0.5
				114201	ASPHALT (BASE)	2	TN		C				SR4AL	0.5
I-N			BHO3XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	26	FT	C		S	C	G7453	C-BC	1.0
				X20201	TRAFFIC BEARING STEEL PLATE	20	EA		C				C-BH	1.0
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.1
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	26	FT	C		S	C		C-DT	2.3
				X30007	DUMPING FEE	7	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	78	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	5	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	127	FT	C		S	C	3376.1	3-WF3	1.8
				249664	CONDUIT DB 3 IN 20 FT LENGTH	127	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC														
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES										

SEE SHT 10,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 207 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 207 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	15	FT	C		S	C	G7405	3-WF3	
						1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	15	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	15	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	15	FT	C		S	C		3-WF3	1.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 208 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 208 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 209 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 209 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	12	FT	C		S	C	G7453	3-WF3	4.8
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	12	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	12	FT	C		S	C	G7405	3-WF3	
						1	TN			C			C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	12	FT	C		S	C	3373.1	3-WF3	0.2
						12	FT			C				
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	12	FT	C		S	C		C-DT	0.3
						2	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	12	FT	C		S	C		3-WF3	1.2
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	9	FT	C		S	C		SR3AS	0.2
I-N			AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	9	FT	C		S	C		C-BC	0.2
						1	TN			C			SR4AL	0.2
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	20	FT	C		S	C	G7453	C-BC	0.8
				114215	ASPHALT, COLD MIX	15	EA			C			C-BH	0.8
						1	TN			C			3SWF4	1.6
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	20	FT	C		S	C		C-DT	1.8
						5	CY			C				
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	60	FT	C		S	C	G7409	3-WF3	0.1
						4	CY			C				
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	60	FT	C		S	C	3376.1	3-WF3	0.8
				656400	SLURRY MIX, 1 SACK SAND	60	FT			C				
						2	CY			C				
I-N			1-3SL8	321878	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R	2	EA	C		S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	EA			C				
						1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 10,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 210 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 210 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	12	FT	C		S	C	G7453	3-WF3	4.8
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	12	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	12	FT	C		S	C	G7405	3-WF3	
					1	TN	C					C-BH	
												C-DT	
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	12	FT	C		S	C	3373.1	3-WF3	0.2
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	12	FT	C		S	C		C-DT	0.3
					2	CY	C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	7	FT	C		S	C		SR3AS	0.3
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	7	FT	C		S	C		SR3CS	
I-N		BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	5	FT	C		S	C	G7453	C-BC	0.2
			114215	ASPHALT, COLD MIX	4	EA	C					C-BH	0.2
					1	TN	C					3SWF4	0.4
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
					2	CY	C						
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT	C		S	C	G7409	3-WF3	
					1	CY	C						
I-N		1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	46	FT	C		S	C	3376.1	3-WF3	0.6
			656400	SLURRY MIX, 1 SACK SAND	46	FT	C						
					1	CY	C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 211 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 211 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	16	FT	C		S	C	G7405	3-WF3	
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	16	FT	C		S	C	3373.1	3-WF3	0.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	16	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	16	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	11	FT	C		S	C		3-WF3	1.1
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	18	FT	C		S	C		SR3AS	0.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	18	FT	U		S	C		C-BC	0.5
			114201		ASPHALT (BASE)	2	TN		U				SR4AL	0.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	28	FT	C		S	C	G7453	C-BC	1.1
			X20201		TRAFFIC BEARING STEEL PLATE	21	EA		C				C-BH	1.1
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	2.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	28	FT	C		S	C		C-DT	2.5
			X30007		DUMPING FEE	7	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	84	FT	C		S	C	G7409	3-WF3	0.2
			656400		SLURRY MIX, 1 SACK SAND	5	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	102	FT	C		S	C	3376.1	3-WF3	1.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	102	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 211 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 211 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C			3-WF3	1.0

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 10,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 212 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 212 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	15	FT	C		S	C	G7405	3-WF3	
					1	TN	C					C-BH	
												C-DT	
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	15	FT	C		S	C	3373.1	3-WF3	0.2
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	15	FT	C		S	C		C-DT	0.4
					2	CY	C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	10	FT	C		S	C		SR3AS	0.4
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	10	FT	C		S	C		SR3CS	
I-N		BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	5	FT	C		S	C	G7453	C-BC	0.2
			114215	ASPHALT, COLD MIX	4	EA	C					C-BH	0.2
					1	TN	C					3SWF4	0.4
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
					2	CY	C						
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT	C		S	C	G7409	3-WF3	
					1	CY	C						
I-N		1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	5	FT	C		S	C	3376.1	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	5	FT	C						
					1	CY	C						
I-N		1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C		S	C	3373.2	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	1	EA	C						
					1	CY	C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 213 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 213 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA	C						
I-N			X09H26		INSTALL EXCAVATION/REMOVE .	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA	C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 214 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 214 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	60	FT	C		S	C		SR3AS	1.6
I-N		AB-M18		ASPHALT BASE MECH 18 IN	60	FT	C		S	C		C-BC	1.6
			114201	ASPHALT (BASE)	7	TN		C				SR4AL	1.6
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	70	FT	C		S	C	G7453	C-BC	2.8
			X20201	TRAFFIC BEARING STEEL PLATE	53	EA		C				C-BH	2.8
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	5.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	70	FT	C		S	C		C-DT	6.2
			X30007	DUMPING FEE	18	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	210	FT	C		S	C	G7409	3-WF3	0.4
			656400	SLURRY MIX, 1 SACK SAND	12	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	59	FT	C		S	C	3376.1	3-WF3	0.8
			249664	CONDUIT DB 3 IN 20 FT LENGTH	59	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9,13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 215 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 215 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	PAGE	TYPE	HOURS	
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	10	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN			C			C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	10	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	10	FT	C		S	C		C-DT	0.3
				X30007	DUMPING FEE	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	3	FT	C		S	C		3-WF3	0.3
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	7	FT	C		S	C		SR3AS	0.3
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	7	FT	C		S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	4	EA			C			C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	3	FT	C		S	C	3376.1	3-WF3	
				249664	CONDUIT DB 3 IN 20 FT LENGTH	3	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	2	EA			S	C	3373.2	3-WF3	0.1
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			S	C		TC4	1.0

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 10,13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 216 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 216 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT		C		S	C	G7453	3-WF3	5.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT		C		S	C		3-WF3	0.2
														C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	15	FT		C		S	C	G7405	3-WF3	
						1	TN		C					C-BH	
														C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C		S	C	3373.1	3-WF3	0.2
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	15	FT		C		S	C		C-DT	0.4
						2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	4	FT		C		S	C		3-WF3	0.4
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	11	FT		C		S	C		SR3AS	0.4
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	11	FT		C		S	C		SR3CS	
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	5	FT		C		S	C	G7453	C-BC	0.2
				114215		4	EA		C					C-BH	0.2
						1	TN		C					3SWF4	0.4
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT		C		S	C		C-DT	0.4
						2	CY		C						
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT		C		S	C	G7409	3-WF3	
						1	CY		C						
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	3	FT		C		S	C	3376.1	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	3	FT		C						
						1	CY		C						
I-N			1-3SL8	321878	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R	2	EA		C		S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	EA		C						
						1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 217 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 217 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 218 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 218 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	20	FT	C		S	C		C-BC	0.5
				114201	ASPHALT (BASE)	3	TN		C				SR4AL	0.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	26	FT	C		S	C	G7453	C-BC	1.0
				X20201	TRAFFIC BEARING STEEL PLATE	20	EA		C				C-BH	1.0
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.1
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	26	FT	C		S	C		C-DT	2.3
				X30007	DUMPING FEE	7	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	78	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	5	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	160	FT	C		S	C	3376.1	3-WF3	2.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	160	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	4	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC														
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES										

SEE SHT 9,13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 219 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 219 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAP	TIM	ACC	STANDARD	CREW	EST
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	260	FT	C			S	C		SR3AS	6.8
I-N			AB-M24		ASPHALT BASE MECH 24 IN	260	FT	C			S	C		SR-3A	7.0
				114201	ASPHALT (BASE)	10	TN				C				
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	270	FT	C			S	C	G7453	C-BC	13.5
				X20201	TRAFFIC BEARING STEEL PLATE	270	EA				C			C-BH	13.5
				114215	ASPHALT, COLD MIX	3	TN				C			3SWF4	27.0
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	270	FT	C			S	C		C-DT	32.4
				X30007	DUMPING FEE	92	CY				C				
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	810	FT	C			S	C	G7409	3-WF3	2.4
				656400	SLURRY MIX, 1 SACK SAND	61	CY				C				
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	319	FT	C			S	C	3376.1	3-WF3	4.5
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	7	CY				C				
				249664	CONDUIT DB 3 IN 20 FT LENGTH	319	FT				C				
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	54	EA				C				
				663530	1 IN BASE SPACER	54	EA				C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA				S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA				C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY				C				
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA				S	C	3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA				C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY				C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA				S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA				S	C		TC4	1.0
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT				S	C		TC4	0.1
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT				S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN				C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT				S	C		3-WF3	1.0

WORK	FAC														
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES										

SEE SHT 9,10,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 220 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 220 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 221 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 221 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	28	FT	C		S	C		SR3AS	0.7
I-N		AB-M18		ASPHALT BASE MECH 18 IN	28	FT	C		S	C		C-BC	0.8
			114201	ASPHALT (BASE)	4	TN		C				SR4AL	0.8
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	38	FT	C		S	C	G7453	C-BC	1.5
			X20201	TRAFFIC BEARING STEEL PLATE	29	EA		C				C-BH	1.5
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	3.0
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	38	FT	C		S	C		C-DT	3.3
			X30007	DUMPING FEE	10	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	114	FT	C		S	C	G7409	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	7	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	18	FT	C		S	C	3376.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	2	EA	C		S	C	3373.2	3-WF3	0.3
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 222 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 222 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	16	FT	C		S	C	G7405	3-WF3	
						1	TN			C			C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	16	FT	C		S	C	3373.1	3-WF3	0.2
						16	FT			C				
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	16	FT	C		S	C		C-DT	0.4
						2	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	6	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	6	FT	C		S	C		SR3CS	
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	4	FT	C		S	C	G7453	C-BC	0.2
				114215	ASPHALT, COLD MIX	3	EA			C			C-BH	0.2
						1	TN			C			3SWF4	0.3
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	4	FT	C		S	C		C-DT	0.4
						1	CY			C				
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	12	FT	C		S	C	G7409	3-WF3	
						1	CY			C				
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	4	FT	C		S	C	3376.1	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	4	FT			C				
						1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			C			TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			C			TC4	1.0

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9,13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 223 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 223 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	15	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	15	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	15	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	15	FT	C		S	C		3-WF3	1.5
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 224 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 224 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
			514240	PAD 1-PHASE XEMR / 3-PHASE F.C. 3421	1	EA		C					
I-N		X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
			812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N		1-2SLB		1-2 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			321812	BEND CONDUIT DB 2 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218239	SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 225 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 225 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	12	FT	C			S	C	G7453	3-WF3	4.8
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	12	FT	C			S	C		3-WF3	0.2
														C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	12	FT	C			S	C	G7405	3-WF3	
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C					C-BH	
														C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	12	FT	C			S	C	3373.1	3-WF3	0.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	12	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	12	FT	C			S	C		C-DT	0.3
			X30007		DUMPING FEE	2	CY		C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	12	FT	C			S	C		SR3AS	0.5
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	12	FT	C			S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	8	FT	C			S	C	G7453	C-BC	0.3
			X20201		TRAFFIC BEARING STEEL PLATE	6	EA		C					C-BH	0.3
			114215		ASPHALT, COLD MIX	1	TN		C					3SWF4	0.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	8	FT	C			S	C		C-DT	0.7
			X30007		DUMPING FEE	2	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	24	FT	C			S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	8	FT	C			S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	8	FT		C						
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C			S	C	3373.2	3-WF3	0.1
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C						
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C			S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 226 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 226 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	18	FT	C		S	C	G7405	3-WF3	0.1
						1	TN						C-BH	0.1
													C-DT	0.1
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	18	FT	C		S	C	3373.1	3-WF3	0.3
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	18	FT	C		S	C		C-DE	0.5
						2	CY							
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	18	FT	C		S	C		3-WF3	1.8
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	8	FT	C		S	C	G7453	C-BC	0.3
				114215		6	EA						C-BH	0.3
						1	TN						3SWF4	0.6
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	8	FT	C		S	C		C-DT	0.7
						2	CY							
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	24	FT	C		S	C	G7409	3-WF3	
						2	CY							
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	8	FT	C		S	C	3376.1	3-WF3	0.1
				656400		8	FT							
						1	CY							
I-N			1-3SL8	321878	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R SLURRY MIX, 1 SACK SAND	1	EA			S	C	3373.2	3-WF3	0.1
				656400		1	EA							
						1	CY							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG										CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 227 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 227 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	18		FT	C		S	C		SR3AS	0.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	18		FT	C		S	C		C-BC	0.5
				114201	ASPHALT (BASE)	2		TN		C				SR4AL	0.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	28		FT	C		S	C	G7453	C-BC	1.1
				X20201	TRAFFIC BEARING STEEL PLATE	21		EA		C				C-BH	1.1
				114215	ASPHALT, COLD MIX	1		TN		C				3SWF4	2.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	28		FT	C		S	C		C-DT	2.5
				X30007	DUMPING FEE	7		CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	84		FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	5		CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5		FT	C		S	C		3-WF3	0.5
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	127		FT	C		S	C	3376.1	3-WF3	1.8
				249664	CONDUIT DB 3 IN 20 FT LENGTH	127		FT		C					
				656400	SLURRY MIX, 1 SACK SAND	3		CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2		EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2		EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1		CY		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4		EA	C		S	C	3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4		EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1		CY		C					
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1		FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1		TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1		FT	C		S	C		TC4	0.1
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 228 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 228 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	20	FT	C		S	C	G7405	3-WF3	0.1
					2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	20	FT	C		S	C	3373.1	3-WF3	0.3
					20	FT		C					
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	20	FT	C		S	C		C-DT	0.5
					2	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.8
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	20	FT	C		S	C		SR3CS	0.1
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	15	FT	C		S	C		SR3AS	0.4
I-N		AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	15	FT	C		S	C		C-BC	0.4
					2	TN		C				SR4AL	0.4
I-N		BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	35	FT	C		S	C	G7453	C-BC	1.4
			114215	ASPHALT, COLD MIX	27	EA		C				C-BH	1.4
					1	TN		C				3SWF4	2.8
I-N		REM-3'	X30007	TRENCH SPOIL .3 FT DEPTH DUMPING FEE	35	FT	C		S	C		C-DT	3.1
					9	CY		C					
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	105	FT	C		S	C	G7409	3-WF3	0.2
					6	CY		C					
I-N		1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	105	FT	C		S	C	3376.1	3-WF3	1.5
			656400	SLURRY MIX, 1 SACK SAND	105	FT		C					
					2	CY		C					
I-N		1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C		S	C	3373.2	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	2	EA		C					
					1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

DP001EM2-LOCAL40-001
09/05/17 11:36

SAN DIEGO GAS AND ELECTRIC
DPSS - DESIGN REVIEW COPY - DETAIL

PAGE NO 261

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 228 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 228 OF 587

WORK	FAC					
FUNC	CODE	DESC	EXIST TAG	NEW TAG		CONSTRUCTION NOTES

SEE SHT 9,13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 229 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 229 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	13	FT	C		S	C	G7453	3-WF3	5.2
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	13	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	13	FT	C		S	C	G7405	3-WF3	
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	13	FT	C		S	C	3373.1	3-WF3	0.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	13	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	13	FT	C		S	C		C-DT	0.3
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	13	FT	C		S	C		3-WF3	1.3
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1	FT	C		S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	5	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C		C-DT	0.5
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	6	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 230 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 230 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS	
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1			EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1			EA	C						
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1			EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1			EA	C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3			EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3			EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1			CY	C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1			FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 231 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 231 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA	C						
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA	C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 232 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 232 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	17	FT	C		S	C		SR3AS	0.7
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	17	FT	C		S	C		SR3CS	0.1
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		FC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 233 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 233 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3	HD-A	HAND DIG TRENCH 3 FT DEEP AVE	22	FT	C		S	C	G7453	3-WF3	8.4
I-N				BKF-3'	BACKFILL TRENCH 3 FOOT DEEP	22	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N				SHD-12	SHADE TRENCH WITH SAND - 12 INCH WIDTH	22	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N				1DB3-S	1-3 IN DB CONDUIT SEC	22	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	22	FT		C					
I-N				R-XCES	EXCESS TRENCH SPOIL (12 IN DEEP)	22	FT	C		S	C		C-DT	0.6
			X30007		DUMPING FEE	2	CY		C					
I-N				CC-2CT	CONCRETE 2 SAW CUT AND BREAK MECH	22	FT	C		S	C		SR3AS	0.9
I-N				CF-H12	FINISH CONCRETE SURFACE MAN 12 IN	22	FT	C		S	C		SR3CS	0.1
I-N				BH03XH	MACH DIG TRENCH 3 FT DEEP BACKHOE	8	FT	C		S	C	G7453	C-BC	0.3
			X20201		TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N				REM-3'	TRENCH SPOIL 3 FT DEPTH	8	FT	C		S	C		C-DT	0.7
			X30007		DUMPING FEE	2	CY		C					
I-N				SLR-18	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	24	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N				1EB3SL	1-3 IN EB CONDUIT SLURRY ENCASED	8	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	8	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N				1-3SL8	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N				LN-S/U	TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N				LN/S/S	LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 234 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 234 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	27	FT	C			S	C		SR3AS	0.7
I-N			AB-M18		ASPHALT BASE MECH 18 IN	27	FT	C			S	C		C-BC	0.7
				114201	ASPHALT (BASE)	3	TN				C			SR4AL	0.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	40	FT	C			S	C	G7453	C-BC	1.6
				X20201	TRAFFIC BEARING STEEL PLATE	30	EA				C			C-BH	1.6
				114215	ASPHALT, COLD MIX	1	TN				C			3SWF4	3.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	40	FT	C			S	C		C-DT	3.5
				X30007	DUMPING FEE	10	CY				C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	120	FT	C			S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	7	CY				C				
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	41	FT	C			S	C	3376.1	3-WF3	0.6
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY				C				
				249664	CONDUIT DB 3 IN 20 FT LENGTH	41	FT				C				
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	7	EA				C				
				663530	1 IN BASE SPACER	7	EA				C				
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C			S	C	3373.2	3-WF3	0.1
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA				C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY				C				
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C			S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN				C				
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C			S	C		TC4	0.1
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C			S	C		TC4	1.0
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C			S	C		TC3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 235 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 235 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 236 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 236 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	236	FT	C		S	C		SR3AS	6.1
I-N			AB-M24		ASPHALT BASE MECH 24 IN	236	FT	C		S	C		SR-3A	6.4
				114201	ASPHALT (BASE)	9	TN		C					
I-N			BH04KH		MACH DIG TRENCH 4 FT DEEP BACKHOE	236	FT	C		S	C	G7453	C-BC	11.8
				X20201	TRAFFIC BEARING STEEL PLATE	236	EA		C				C-BH	11.8
				114215	ASPHALT, COLD MIX	3	TN		C				3SWF4	23.6
I-N			REM-4		TRENCH SPOIL 4 FT DEPTH	236	FT	C		S	C		C-DT	28.3
				X30007	DUMPING FEE	81	CY		C					
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	708	FT	C		S	C	G7409	3-WF3	2.1
				656400	SLURRY MIX, 1 SACK SAND	53	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	196	FT	C		S	C	3376.1	3-WF3	2.7
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	4	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	196	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	33	EA		C					
				663530	1 IN BASE SPACER	33	EA		C					
I-N			1-3SLE		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 237 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 237 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 238 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 238 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	20	FT	C		S	C		3-WF3	2.0
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	70	FT	C		S	C		SR3AS	1.8
I-N			AB-M18		ASPHALT BASE MECH 18 IN	70	FT	C		S	C		C-BC	1.9
				114201	ASPHALT (BASE)	8	TN		C				SR4AL	1.9
I-N			SH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	90	FT	C		S	C	G7453	C-BC	3.6
				X20201	TRAFFIC BEARING STEEL PLATE	68	EA		C				C-BH	3.6
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	7.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	90	FT	C		S	C		C-DT	7.9
				X30007	DUMPING FEE	23	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	270	FT	C		S	C	G7409	3-WF3	0.5
				656400	SLURRY MIX, 1 SACK SAND	16	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	270	FT	C		S	C	3376.1	3-WF3	3.8
				249664	CONDUIT DB 3 IN 20 FT LENGTH	270	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C	SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 238 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 238 OF 587

WORK	FAC					
FUNC	CODE	DESC	EXIST	TAG	NEW	TAG

CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 239 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 239 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	23	FT	C		S	C	G7453	3-WF3	8.8
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	23	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	23	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFFERED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	60	FT	C		S	C	3373.1	3-WF3	0.9
			249664		CONDUIT DB 3 IN 20 FT LENGTH	60	FT		C					
I-N			1DB3SB		1-3 IN DB 90 D 36 IN R BEND SEC	1	EA	C		S	C	3373.2	3-WF3	
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	23	FT	C		S	C		C-DT	0.6
			X30007		DUMPING FEE	3	CY		C					
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	20	FT	C		S	C		C-BC	0.5
			114201		ASPHALT (BASE)	3	TN		C				SR4AL	0.5

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 240 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 240 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	30	FT	C			S	C	G7453	3-WF3	11.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	30	FT	C			S	C		3-WF3	0.5
														C-BC	0.5
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	30	FT	C			S	C	G7405	3-WF3	0.1
						2	TN							C-BH	0.1
														C-DT	0.1
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	68	FT	C			S	C	3373.1	3-WF3	1.0
						68	FT								
I-N			1DB3SB	322048	1-3 IN DB 90 D 36 IN R BEND SEC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA				S	C	3373.2	3-WF3	
						1	EA								
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	30	FT	C			S	C		C-DT	0.8
						3	CY								
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	30	FT	C			S	C		3-WF3	3.0
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	16	FT	C			S	C		SR3AS	0.4
I-N			AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	16	FT	C			S	C		C-BC	0.4
						2	TN							SR4AL	0.4
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA				S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA				S	C		TC4	1.0

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 241 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 241 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA		C					
I-N		X-XF1P			PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W			TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218231	SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 242 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 242 OF 587

WRK	MAT	TIM	ACC	STANDARD	CREW	EST								
F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	37	FT	C			S	C		SR3AS	1.0
I-N		AB-M24		ASPHALT BASE MECH 24 IN	37	FT	C			S	C		SR-3A	1.0
			114201	ASPHALT (BASE)	2	TN		C						
I-N		BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	42	FT	C			S	C	G7453	C-BC	2.1
			X20201	TRAFFIC BEARING STEEL PLATE	42	EA		C					C-BH	2.1
			114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	4.2
I-N		REM-4'		TRENCH SPOIL 4 FT DEPTH	42	FT	C			S	C		C-DT	5.0
			X30007	DUMPING FEE	15	CY		C						
I-N		SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	126	FT	C			S	C	G7409	3-WF3	0.4
			656400	SLURRY MIX, 1 SACK SAND	10	CY		C						
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	42	FT	C			S	C	3376.1	3-WF3	0.6
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C						
			249664	CONDUIT DB 3 IN 20 FT LENGTH	42	FT		C						
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	8	EA		C						
			663530	1 IN BASE SPACER	8	EA		C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C			S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C			S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C			S	C		TC4	1.0
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C			S	C		TC4	0.1
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C			S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C			S	C		3-WF3	0.5

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 243 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 243 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	75	FT	C		S	C		SR3AS	3.0
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	75	FT	C		S	C		SR3CS	0.3
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	75	FT	C		S	C	G7453	C-BC	3.0
				X20201	TRAFFIC BEARING STEEL PLATE	57	EA		C				C-BH	3.0
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	6.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	75	FT	C		S	C		C-DT	6.6
				X30007	DUMPING FEE	19	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	225	FT	C		S	C	G7409	3-WF3	0.5
				656400	SLURRY MIX, 1 SACK SAND	13	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	75	FT	C		S	C	3376.1	3-WF3	1.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	75	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	10	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	10	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	10	FT	C		S	C		C-DT	0.3
				X30007	DUMPING FEE	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 244 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 244 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	17	FT	C		S	C		SR3AS	0.7
I-N		CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	17	FT	C		S	C		SR3CS	0.1
I-N		BHO3XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	17	FT	C		S	C	G7453	C-BC	0.7
			X20201	TRAFFIC BEARING STEEL PLATE	13	EA		C				C-BH	0.7
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	1.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	17	FT	C		S	C		C-DT	1.5
			X30007	DUMPING FEE	5	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	51	FT	C		S	C	G7409	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	17	FT	C		S	C	3376.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	5	FT	C		S	C	G7453	3-WF3	2.3
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	5	FT	C		S	C		3-WF3	0.1
												C-BC	0.1
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	5	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	5	FT	C		S	C	3373.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	5	FT	C		S	C		C-DT	0.1
			X30007	DUMPING FEE	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 245 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 245 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	EA	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
						RQD			RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	10	EA	C			S	C	3313	BOOMT	30.0
				400302	3313 TRAFFIC COVER HANDHOLE COMPLETE	10	EA			C				3-AF4	5.0
I-N		X13H-A			EXCAVATE 3313 HANDHOLE	1	EA	C			S	C	3313.2	3SWF3	0.4
I-N		CC-1CT			CONCRETE 1 SAW CUT	1	FT	C			S	C		SR3AS	
I-N		AD-P-H			ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA	C			S	C		SR3CS	1.5
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				BOOMT	4.0
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C			S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA			C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C					
I-N		LN-S/U			TC-LANE CLOSURE URBAN STREET	1	EA	C			S	C		TC3	1.0
I-N		LN/S/S			LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C			S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 246 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 246 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	12	FT	C		S	C	3376.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	12	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	6	FT	C		S	C	G7453	3-WF3	2.7
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	6	FT	C		S	C		3-WF3	0.1
												C-BC	0.1
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	6	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	6	FT	C		S	C	3373.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	6	FT	C		S	C		C-DT	0.2
			X30007	DUMPING FEE	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1	FT	C		S	C		SR3CS	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 247 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 247 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	35	FT	C		S	C			SR3AS	1.4
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	35	FT	C		S	C			SR3CS	0.1
I-N			AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	35	FT	C		S	C			C-BC	0.9
						4	TN		C					SR4AL	0.9
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	35	FT	C		S	C			SR3AS	0.9
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	70	FT	C		S	C	67453		C-BC	2.8
				X20201	TRAFFIC BEARING STEEL PLATE	53	EA		C					C-BH	2.8
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	5.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	70	FT	C		S	C			C-DT	6.2
				X30007	DUMPING FEE	18	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	210	FT	C		S	C	67409		3-WF3	0.4
				656400	SLURRY MIX, 1 SACK SAND	12	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	87	FT	C		S	C	3376.1		3-WF3	1.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	87	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C	S	C	3373.2		3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C	S	C			TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C	S	C			TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT		C	S	C			TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C						
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT		C	S	C			TC4	0.1

WORK	FAC														
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES										

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 248 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 248 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA			C				
I-N			X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB			C				
I-N			1-2SLB		1-2 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				321812	BEND CONDUIT DB 2 IN 90 D 36 IN R	1	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218229	SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 249 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 249 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TTM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	22	FT	C		S	C	G7453	3-WF3	8.4
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	22	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	22	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	22	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	22	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	22	FT	C		S	C		C-DT	0.6
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1	FT	C		S	C		SR3CS	
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLX		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	8	FT	C		S	C	G7453	C-BC	0.3
			X20201		TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	8	FT	C		S	C		C-DT	0.7
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	24	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	8	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	8	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 249 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 249 OF 587

WORK	FAC				
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 250 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 250 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	10	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	10	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	10	FT	C		S	C		C-DT	0.3
			X30007	DUMPING FEE	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N		CC-M18		CONCRETE REPAIR FOR TRENCH MECH 18 IN	5	FT	C		S	C		0-BC	
			248204	CONCRETE - 5 SACK (3/4" ROCK MIX)	1	CY		C				SWF4B	0.1
I-N		CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	5	FT	C		S	C		SR3CS	
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C				TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C				TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 251 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 251 OF 587

WRK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
WRK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
WRK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
I-N	3'HD-A	HAND DIG TRENCH 3 FT DEEP AVE			
I-N	BKF-3'	BACKFILL TRENCH 3 FOOT DEEP			
I-N	SHD-12	SHADE TRENCH WITH SAND - 12 INCH WIDTH			
	611492	SAND, FILL RECYCLED MATLS PREFERRED			
I-N	1DB3-S	1-3 IN DB CONDUIT SEC			
	249664	CONDUIT DB 3 IN 20 FT LENGTH			
I-N	R-XCES	EXCESS TRENCH SPOIL (12 IN DEEP)			
	X30007	DUMPING FEE			
I-N	PLANTU	REMOVE/REPLACE LANDSCAPING			
I-N	CC-M18	CONCRETE REPAIR FOR TRENCH MECH 18 IN			
	248204	CONCRETE - 5 SACK (3/4" ROCK MIX)			
I-N	CF-H18	FINISH CONCRETE SURFACE MAN 18 IN			
I-N	BH03XH	MACH DIG TRENCH 3 FT DEEP BACKHOE			
	X20201	TRAFFIC BEARING STEEL PLATE			
	114215	ASPHALT, COLD MIX			
I-N	REM-3'	TRENCH SPOIL 3 FT DEPTH			
	X30007	DUMPING FEE			
I-N	SLR-18	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP			
	656400	SLURRY MIX, 1 SACK SAND			
I-N	1EB3SL	1-3 IN EB CONDUIT SLURRY ENCASED			
	249664	CONDUIT DB 3 IN 20 FT LENGTH			
	656400	SLURRY MIX, 1 SACK SAND			
I-N	1-3SLB	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC			
	322048	BEND CONDUIT DB 3 IN 90 D 36 IN R			
	656400	SLURRY MIX, 1 SACK SAND			
I-N	LN-S/U	TC-LANE CLOSURE URBAN STREET			
I-N	LN/S/S	LANE CLOSURE URBAN ST (STREET REPAIR)			

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 252 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 252 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	23	FT	C		S	C	G7453	3-WF3	8.8	
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	23	FT	C		S	C		3-WF3	0.3	
													C-BC	0.3	
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	23	FT	C		S	C	G7405	3-WF3	0.1	
						2	TN		C				C-BH	0.1	
													C-DT	0.1	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	23	FT	C		S	C	3373.1	3-WF3	0.3	
						23	FT		C						
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	23	FT	C		S	C		C-DT	0.6	
						3	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0	
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	13	FT	C		S	C		SR3AS	0.5	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	13	FT	C		S	C		SR3CS	0.1	
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	38	FT	C		S	C	3376.1	3-WF3	0.5	
				656400	SLURRY MIX, 1 SACK SAND	38	FT		C						
						1	CY		C						
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C		S	C	3373.2	3-WF3	0.1	
				656400	SLURRY MIX, 1 SACK SAND	1	EA		C						
						1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0	
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0	

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 253 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 253 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	43	FT	C		S	C	G7453	3-WF3	16.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	43	FT	C		S	C		3-WF3	0.6
												C-BC	0.6
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	43	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	3	TN	C					C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	43	FT	C		S	C	3373.1	3-WF3	0.6
			249664	CONDUIT DB 3 IN 20 FT LENGTH	43	FT	C						
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	43	FT	C		S	C		C-DT	1.1
			X30007	DUMPING FEE	4	CY	C						
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	43	FT	C		S	C		SR3AS	1.7
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	43	FT	C		S	C		SR3CS	0.2
I-N		CC-M18		CONCRETE REPAIR FOR TRENCH MECH 18 IN	108	FT	C		S	C		0-BC	0.3
			248204	CONCRETE - 5 SACK (3/4" ROCK MIX)	9	CY	C					[SWF4B]	1.7
I-N		CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	108	FT	C		S	C		SR3CS	0.4
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	108	FT	C		S	C	G7453	C-BC	4.3
			X20201	TRAFFIC BEARING STEEL PLATE	81	EA	C					C-BH	4.3
			114215	ASPHALT, COLD MIX	1	TN	C					3SWF4	8.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	108	FT	C		S	C		C-DT	9.5
			X30007	DUMPING FEE	27	CY	C						
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	324	FT	C		S	C	G7409	3-WF3	0.6
			656400	SLURRY MIX, 1 SACK SAND	19	CY	C						
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	108	FT	C		S	C	3376.1	3-WF3	1.5
			249664	CONDUIT DB 3 IN 20 FT LENGTH	108	FT	C						
			656400	SLURRY MIX, 1 SACK SAND	3	CY	C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 253 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 253 OF 587

WRK	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
E-C	RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N	1	EA	C		S	C	TC4	1.0	

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 8

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 254 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 254 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	10	EA		C		S	C	3313	BOOMT	30.0
				400302	3313 TRAFFIC COVER HANDHOLE COMPLETE	10	EA		C					3-AF4	5.0
I-N			X13H-A		EXCAVATE 3313 HANDHOLE	1	EA		C		S	C	3313.2	3SWF3	0.4
I-N			CC-1CT		CONCRETE 1 SAW CUT	1	FT		C		S	C		SR3AS	
I-N			AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA		C		S	C		SR3CS	1.5
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					BOOMT	4.0
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA		C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 255 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 255 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	126	FT		C		S	C		SR3AS	5.0
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	126	FT		C		S	C		SR3CS	0.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	138	FT		C		S	C	G7453	C-BC	5.5
				X20201	TRAFFIC BEARING STEEL PLATE	104	EA		C					C-BH	5.5
				114215	ASPHALT, COLD MIX	2	TN		C					3SWF4	11.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	138	FT		C		S	C		C-DT	12.1
				X30007	DUMPING FEE	35	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	414	FT		C		S	C	G7409	3-WF3	0.8
				656400	SLURRY MIX, 1 SACK SAND	24	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	138	FT		C		S	C	3376.1	3-WF3	1.9
				249664	CONDUIT DB 3 IN 20 FT LENGTH	138	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 256 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 256 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	10	FT	C		S	C	G7405	3-WF3	
					1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	10	FT	C		S	C	3373.1	3-WF3	0.2
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	10	FT	C		S	C		C-DT	0.3
					1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA	C		S	C		SR3CS	1.0
					1	CY		C					
I-N		BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	10	FT	C		S	C	G7453	C-BC	0.4
			114215	ASPHALT, COLD MIX	8	EA		C				C-BH	0.4
					1	TN		C				3SWF4	0.8
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	10	FT	C		S	C		C-DT	0.9
					3	CY		C					
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	30	FT	C		S	C	G7409	3-WF3	0.1
					2	CY		C					
I-N		1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	70	FT	C		S	C	3376.1	3-WF3	1.0
			656400	SLURRY MIX, 1 SACK SAND	70	FT		C					
					2	CY		C					
I-N		1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C		S	C	3373.2	3-WF3	0.1
			656400	SLURRY MLX, 1 SACK SAND	1	EA		C					
					1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 257 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 257 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA		C					
I-N		X-XF1P			PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W			TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-4SLB			1-4 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
				322082	4 IN DB 100 90 D 36 IN R BEND	5	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218230	SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 258 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 258 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	7	FT	C		S	C	G7453	3-WF3	3.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	7	FT	C		S	C		3-WF3	0.1
												C-BC	0.1
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	7	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	7	FT	C		S	C	3373.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	7	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	7	FT	C		S	C		C-DT	0.2
			X30007	DUMPING FEE	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 259 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 259 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
				NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 2

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 260 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 260 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	5	FT	C		S	C	G7453	3-WF3	2.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	5	FT	C		S	C		3-WF3	0.1
													C-BC	0.1
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	5	FT	C		S	C	G7405	3-WF3	
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN			C			C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	5	FT	C		S	C	3373.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	5	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	5	FT	C		S	C		C-DT	0.1
			X30007		DUMPING FEE	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 261 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 261 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	26	FT	C		S	C	G7453	3-WF3	9.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	26	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	26	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN			C			C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	26	FT	C		S	C	3373.1	3-WF3	0.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	26	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	26	FT	C		S	C		C-DT	0.7
			X30007		DUMPING FEE	3	CY			C				
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	26	FT	C		S	C		SR3AS	0.7
I-N			AB-H18		ASPHALT BASE MANUAL 18 IN	26	FT	C		S	C		SR4AL	0.8
			114201		ASPHALT (BASE)	3	TN			C				

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 262 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 262 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	23	FT	C		S	C	G7453	3-WF3	8.8
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	23	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	23	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	23	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	23	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	23	FT	C		S	C		C-DT	0.6
			X30007	DUMPING FEE	3	CY		C					
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	23	FT	C		S	C		SR3AS	0.6
I-N		AB-M18		ASPHALT BASE MECH 18 IN	23	FT	C		S	C		C-BC	0.6
			114201	ASPHALT (BASE)	3	TN		C				SR4AL	0.6

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 263 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 263 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	30	FT	C		S	C	G7453	3-WF3	11.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	30	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	30	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	30	FT	C		S	C	3373.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	30	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	30	FT	C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	30	FT	C		S	C		3-WF3	3.0
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	12	FT	C		S	C	G7453	C-BC	0.5
				X20201	TRAFFIC BEARING STEEL PLATE	9	EA		C				C-BH	0.5
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	1.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	12	FT	C		S	C		C-DT	1.1
				X30007	DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	36	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	39	FT	C		S	C	3376.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	39	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 264 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 264 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	30	FT	C		S	C	G7453	3-WF3	11.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	30	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	30	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	30	FT	C		S	C	3373.1	3-WF3	0.5
			249664		CONDUIT DB 3 IN 20 FT LENGTH	30	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	30	FT	C		S	C		C-DT	0.8
			X30007		DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	30	FT	C		S	C		3-WF3	3.0
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	12	FT	C		S	C	G7453	C-BC	0.5
			X20201		TRAFFIC BEARING STEEL PLATE	9	EA		C				C-BH	0.5
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	1.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	12	FT	C		S	C		C-DT	1.1
			X30007		DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	36	FT	C		S	C	G7409	3-WF3	0.1
			656400		SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	39	FT	C		S	C	3376.1	3-WF3	0.5
			249664		CONDUIT DB 3 IN 20 FT LENGTH	39	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C	SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 265 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 265 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE	DESC		

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 266 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 266 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	98	FT	C		S	C		SR3AS	2.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	98	FT	C		S	C		C-BC	2.6
				114201	ASPHALT (BASE)	11	TN			C			SR4AL	2.6
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	104	FT	C		S	C	G7453	C-BC	4.2
				X20201	TRAFFIC BEARING STEEL PLATE	78	EA			C			C-BH	4.2
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	8.3
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	104	FT	C		S	C		C-DT	9.2
				X30007	DUMPING FEE	26	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	312	FT	C		S	C	G7409	3-WF3	0.6
				656400	SLURRY MIX, 1 SACK SAND	18	CY			C				
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	104	FT	C		S	C	3376.1	3-WF3	1.5
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY			C				
				249664	CONDUIT DB 3 IN 20 FT LENGTH	104	FT			C				
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	18	EA			C				
				663530	1 IN BASE SPACER	18	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 267 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 267 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
			514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA		C					
I-N		X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
			812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218238	SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 268 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 268 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	PAGE	TYPE	HOURS	
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	24	FT	C		S	C	G7453	3-WF3	9.1
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	24	FT	C		S	C		3-WF3	0.4
												C-BC	0.4
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	24	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	24	FT	C		S	C	3373.1	3-WF3	0.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	24	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	24	FT	C		S	C		C-DT	0.6
			X30007	DUMPING FEE	3	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	24	FT	C		S	C		3-WF3	2.4
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	7	FT	C		S	C	G7453	C-BC	0.3
			X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	7	FT	C		S	C		C-DT	0.6
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	21	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	7	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	7	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG									CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 269 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 269 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	10	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	10	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	10	FT	C		S	C		C-DT	0.3
				X30007	DUMPING FEE	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	12	FT	C		S	C	G7453	C-BC	0.5
				X20201	TRAFFIC BEARING STEEL PLATE	9	EA		C				C-BH	0.5
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	1.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	12	FT	C		S	C		C-DT	1.1
				X30007	DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	36	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	38	FT	C		S	C	3376.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	38	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 270 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 270 OF 587

WRK	MAT	TIM	ACC	STANDARD	CREW	EST								
F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	120	FT	C		S	C		3376.1	3-WF3	1.7
			249664	CONDUIT DB 3 IN 20 FT LENGTH	120	FT	C							
			656400	SLURRY MIX, 1 SACK SAND	3	CY	C							
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C		3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C							
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C							

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 271 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 271 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	258	FT	C		S	C		SR3AS	6.7
I-N		AB-M18		ASPHALT BASE MECH 18 IN	258	FT	C		S	C		C-BC	7.0
			114201	ASPHALT (BASE)	28	TN		C				SR4AL	7.0
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	258	FT	C		S	C	G7453	C-BC	10.3
			X20201	TRAFFIC BEARING STEEL PLATE	194	EA		U				C-BH	10.3
			114215	ASPHALT, COLD MIX	3	TN		U				3SWF4	20.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	258	FT	C		S	C		C-DT	22.7
			X30007	DUMPING FEE	65	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	774	FT	C		S	C	G7409	3-WF3	1.5
			656400	SLURRY MIX, 1 SACK SAND	44	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	218	FT	C		S	C	3376.1	3-WF3	3.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	218	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	5	CY		C					
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	U		S	C	3373.2	3-WF3	0.7
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		U					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		U					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	U		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		U					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		U					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG									CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 272 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 272 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	24	FT	C		S	C	G7453	3-WF3	9.1
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	24	FT	C		S	C		3-WF3	0.4
												C-BC	0.4
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	24	FT	C		S	C	G7405	3-WF3	0.1
		611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN	C					C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	24	FT	C		S	C	3373.1	3-WF3	0.4
		249664		CONDUIT DB 3 IN 20 FT LENGTH	24	FT	C						
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	24	FT	C		S	C		C-DT	0.6
		X30007		DUMPING FEE	3	CY	C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	24	FT	C		S	C		3-WF3	2.4
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
		248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY	C						
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	7	FT	C		S	C	G7453	C-BC	0.3
		X20201		TRAFFIC BEARING STEEL PLATE	6	EA	C					C-BH	0.3
		114215		ASPHALT, COLD MIX	1	TN	C					3SWF4	0.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	7	FT	C		S	C		C-DT	0.6
		X30007		DUMPING FEE	2	CY	C						
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	21	FT	C		S	C	G7409	3-WF3	
		656400		SLURRY MIX, 1 SACK SAND	2	CY	C						
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	49	FT	C		S	C	3376.1	3-WF3	0.7
		249664		CONDUIT DB 3 IN 20 FT LENGTH	49	FT	C						
		656400		SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
		322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C						
		656400		SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG									CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 273 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 273 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA		C		S	C	3309.2	3SWF3	0.8
I-N			X09H26	162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA		C		S	C	3309.2	3SWF3	0.8
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA		C		S	C	3373.2	3-WF3	0.2
				656400	BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT		C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 274 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 274 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	18	FT	C		S	C		3-WF3	1.8
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	42	FT	C		S	C	G7453	C-BC	1.7
			X20201		TRAFFIC BEARING STEEL PLATE	32	EA		C				C-BH	1.7
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	3.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	42	FT	C		S	C		C-DT	3.7
			X30007		DUMPING FEE	11	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	126	FT	C		S	C	G7409	3-WF3	0.3
			656400		SLURRY MIX, 1 SACK SAND	8	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	42	FT	C		S	C	3376.1	3-WF3	0.6
			249664		CONDUIT DB 3 IN 20 FT LENGTH	42	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C	SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 275 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 275 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	70	FT	C		S	C		SR3AS	1.8
I-N			AB-M24		ASPHALT BASE MECH 24 IN	70	FT	C		S	C		SR-3A	1.9
				114201	ASPHALT (BASE)	3	TN		C					
I-N			BH04KH		MACH DIG TRENCH 4 FT DEEP BACKHOE	70	FT	C		S	C	G7453	C-BC	3.5
				X20201	TRAFFIC BEARING STEEL PLATE	70	EA		C				C-BH	3.5
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	7.0
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	70	FT	C		S	C		C-DT	8.4
				X30007	DUMPING FEE	24	CY		C					
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	210	FT	C		S	C	G7409	3-WF3	0.6
				656400	SLURRY MIX, 1 SACK SAND	16	CY		C					
I-N			1EB4IN		1-4 IN EB CONDUIT CONC ENC	70	FT	C		S	C	3376.1	3-WF3	1.0
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY		C					
				249710	CONDUIT DB 100 4 IN 20 FT LENGTH	70	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	12	EA		C					
				663530	1 IN BASE SPACER	12	EA		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 276 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 276 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-1CT		ASPHALT 1 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N	TC15SL	(EXPL)		3315 TC SLURRY BACKFILL INSTALL COMPLETE	1	EA			S	C	3315.3	C-BH	3.0
												C-DT	3.3
												SR3CS	1.5
												BOOMT	4.8
												3-AF4	3.0
												0-BC	0.2
												3-T2L	0.2
		AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA	C	C					
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY							
		C/P15H		COLD PATCH AND CLEAN-UP 3315 HH	1	EA	C	C					
			114200	ASPHALT (COLD PATCH)	2	TN							
		R/S15H		SPOIL FROM 3315 HH	1	EA	C	C					
			X30007	DUMPING FEE	11	CY							
		SHOR-H		SHORING PRIMARY HANDHOLES	1	EA	C	C					
			X30010	SHORING MATERIAL	39	EA							
		X15H-A		EXCAVATE 3315 HANDHOLE AVERAGE	1	EA	C	C			3315.4		
			601600	ROCK, DRY, 3/8" RECYCLED MATLS PREFERRED	1	TN							
		15H-SL		BACKFILL SLURRY 3315 HH	1	EA	C	C					
			248200	CONCRETE - 1 SACK (SAND MIX)	5	CY							
		3315TC		HANDHOLE 3315 WITH TRAFFIC COVER	1	EA	C	C			3315		
			400308	3315 TRAFFIC COVER HANDHOLE COMPLETE	1	EA							
I-N		RED5-4		CONDUIT BELL REDUCER DB 5 IN TO 4 IN	5	EA	C		S	C	3373.2		
			573384	CONDUIT BELL REDUCER 5 IN TO 4 IN	5	EA							
I-N		RED4-3		CONDUIT BELL REDUCER DB 4 IN TO 3 IN	2	EA	C		S	C	3373.2		
			573380	CONDUIT BELL REDUCER 4 IN TO 3 IN	2	EA							
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PH	PRI HANDHOLE		H131540	SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 277 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 277 OF 587

WRK	F-C MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK MAT	TIM ACC	STANDARD	CREW	EST	
					RQD	UM RSP	RSP TRT	TRT PAGE	TYPE	HOURS	
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	108	FT	C	S	C	SR3AS	2.8
I-N		AB-M24		ASPHALT BASE MECH 24 IN	108	FT	C	S	C	SR-3A	2.9
			114201	ASPHALT (BASE)	4	TN	C				
I-N		BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	115	FT	C	S	C	G7453	5.8
			X20201	TRAFFIC BEARING STEEL PLATE	115	EA	C			C-BH	5.8
			114215	ASPHALT, COLD MIX	2	TN	C			3SWF4	11.5
I-N		REM-4'		TRENCH SPOIL 4 FT DEPTH	115	FT	C	S	C	C-DT	13.8
			X30007	DUMPING FEE	40	CY	C				
I-N		SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	480	FT	C	S	C	G7409	1.4
			656400	SLURRY MIX, 1 SACK SAND	36	CY	C			3-WF3	
I-N		1EB4IN		1-4 IN EB CONDUIT CONC ENC	72	FT	C	S	C	3376.1	1.0
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY	C				
			249710	CONDUIT DB 100 4 IN 20 FT LENGTH	72	FT	C				
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	13	EA	C				
			663530	1 IN BASE SPACER	13	EA	C				
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	U	S	C	3373.2	0.7
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA	U				
			656400	SLURRY MIX, 1 SACK SAND	1	CY	U				
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	U	S	C	3373.2	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	U				
			656400	SLURRY MIX, 1 SACK SAND	1	CY	U				
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C	S	C	TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C	S	C	TC4	1.0
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C	S	C	TC4	0.1
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C	S	C	TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN	C				
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C	S	C	SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C	S	C	SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY	C				

WORK	FAC									
FUNC	CODE	DESC	EXIST TAG	NEW TAG						CONSTRUCTION NOTES

SEE SHT 5,9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 278 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 278 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	188	FT	C		S	C		SR3AS	4.9
I-N			AB-M24		ASPHALT BASE MECH 24 IN	188	FT	C		S	C		SR-3A	5.1
				114201	ASPHALT (BASE)	7	TN		C					
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	201	FT	C		S	C	G7453	C-BC	10.1
				X20201	TRAFFIC BEARING STEEL PLATE	201	EA		C				C-BH	10.1
				114215	ASPHALT, COLD MIX	2	TN		C				3SWF4	20.1
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	201	FT	C		S	C		C-DT	24.1
				X30007	DUMPING FEE	69	CY		C					
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	603	FT	C		S	C	G7409	3-WF3	1.8
				656400	SLURRY MIX, 1 SACK SAND	45	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	201	FT	C		S	C	3376.1	3-WF3	2.8
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	4	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	201	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	34	EA		C					
				663530	1 IN BASE SPACER	34	EA		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	U		S	C	3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		U					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		U					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	U		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		U					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		U					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK FAC
FUNG CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 279 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 279 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT		C		S	C	G7453	3-WF3	5.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT		C		S	C		3-WF3	0.2
														C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	15	FT		C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C					C-BH	
														C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	15	FT		C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	15	FT		C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	15	FT		C		S	C		3-WF3	1.5
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 280 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 280 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AP4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA	C						
I-N		X-XFLP			PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W			TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N		1-2SLB			1-2 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				321812	BEND CONDUIT DB 2 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		2-4SLB			2-4 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322082	4 IN DB 100 90 D 36 IN R BEND	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218236	SEE SHI 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 281 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 281 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	350	FT	C		S	C	3376.1	3-WF3	4.9
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	7	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	350	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	59	EA		C					
			663530	1 IN BASE SPACER	59	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 8,9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 282 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 282 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	25	FT	C		S	C	G7453	3-WF3	9.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	25	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	25	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN			C			C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	25	FT	C		S	C	3373.1	3-WF3	0.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	25	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	25	FT	C		S	C		C-DT	0.6
			X30007		DUMPING FEE	3	CY			C				
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	25	FT	C		S	C		SR3AS	1.0
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	25	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA			C			C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN			C			3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	55	FT	C		S	C	3376.1	3-WF3	0.8
			249664		CONDUIT DB 3 IN 20 FT LENGTH	55	FT			C				
			656400		SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA			C		3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			C			TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			C			TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 283 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 283 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	7	FT		C		S	C	G7453	3-WF3	3.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	7	FT		C		S	C		3-WF3	0.1
														C-BC	0.1
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	7	FT		C		S	C	G7405	3-WF3	
						1	TN		C					C-BH	
														C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	7	FT		C		S	C	3373.1	3-WF3	0.1
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	7	FT		C		S	C		C-DT	0.2
						1	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	7	FT		C		S	C		3-WF3	0.7
I-N			BHO3XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	5	FT		C		S	C	G7453	C-BC	0.2
				114215	ASPHALT, COLD MIX	4	EA		C					C-BH	0.2
						1	TN		C					3SWF4	0.4
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT		C		S	C		C-DT	0.4
						2	CY		C						
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT		C		S	C	G7409	3-WF3	
						1	CY		C						
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C		S	C	3376.1	3-WF3	0.3
				656400	SLURRY MIX, 1 SACK SAND	20	FT		C						
						1	CY		C						
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C		S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	1	EA		C						
						1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT		C		S	C		SR3AS	0.2
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	5	FT		C		S	C		SR3CS	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 284 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 284 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA		C					
I-N			X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218232	SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 285 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 285 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	553	FT	C		S	C		SR3AS	14.4
I-N		AB-M24		ASPHALT BASE MECH 24 IN	553	FT	C		S	C		SR-3A	14.9
			114201	ASPHALT (BASE)	21	TN		C					
I-N		BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	553	FT	C		S	C	G7453	C-BC	27.7
			X20201	TRAFFIC BEARING STEEL PLATE	553	EA		C				C-BH	27.7
			114215	ASPHALT, COLD MIX	6	TN		C				3SWF4	55.3
I-N		REM-4'		TRENCH SPOIL 4 FT DEPTH	553	FT	C		S	C		C-DT	66.4
			X30007	DUMPING FEE	189	CY		C					
I-N		SLR-24'		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	1659	FT	C		S	C	G7409	3-WF3	5.0
			656400	SLURRY MIX, 1 SACK SAND	123	CY		C					
I-N		1EB4IN		1-4 IN EB CONDUIT CONC ENC	553	FT	C		S	C	3376.1	3-WF3	7.7
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	10	CY		C					
			249710	CONDUIT DB 100 4 IN 20 FT LENGTH	553	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	93	EA		C					
			663530	1 IN BASE SPACER	93	EA		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8,9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 286 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 286 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	1	EA	C		S	C	3313	BOOMT	3.0
			400302		3313 TRAFFIC COVER HANDHOLE COMPLETE	1	EA		C				3-AF4	0.5
I-N			X13H-A		EXCAVATE 3313 HANDHOLE	1	EA	C		S	C	3313.2	3SWF3	0.4
I-N			CC-1CT		CONCRETE 1 SAW CUT	1	FT	C		S	C		SR3AS	
I-N			AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA	C		S	C		SR3CS	1.5
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C				BOOMT	4.0
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 287 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 287 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	76	FT	C		S	C	G7453	C-BC	3.0
		X20201		TRAFFIC BEARING STEEL PLATE	57	EA	C					C-BH	3.0
		114215		ASPHALT, COLD MIX	1	TN	C					3SWF4	6.1
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	76	FT	C		S	C		C-DT	6.7
		X30007		DUMPING FEE	19	CY	C						
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	197	FT	C		S	C	3376.1	3-WF3	2.8
		249664		CONDUIT DB 3 IN 20 FT LENGTH	197	FT	C						
		656400		SLURRY MIX, 1 SACK SAND	4	CY	C						
I-N		1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
		321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	2	EA	C						
		656400		SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	76	FT	C		S	C		SR3AS	3.0
I-N		CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	76	FT	C		S	C		SR3CS	0.3

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 288 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 288 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA		C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA		C						
I-N			X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA		C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA		C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA		C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218233	SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 289 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 289 QF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-1CT		ASPHALT 1 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N	TC15SL	(EXPL)		3315 TC SLURRY BACKFILL INSTALL COMPLETE	1	EA			S	C	3315.3	C-BH	3.0
												C-DT	3.3
												SR3CS	1.5
												BOOMT	4.8
												3-AF4	3.0
												0-BC	0.2
												3-T2L	0.2
		AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA	C	C					
		248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY	C	C					
		C/P15H		COLD PATCH AND CLEAN-UP 3315 HH	1	EA	C	C					
		114200		ASPHALT (COLD PATCH)	2	TN	C	C					
		R/S15H		SPOIL FROM 3315 HH	1	EA	C	C					
		X30007		DUMPING FEE	11	CY	C	C					
		SHOR-H		SHORING PRIMARY HANDHOLES	1	EA	C	C					
		X30010		SHORING MATERIAL	39	EA	C	C					
		X15H-A		EXCAVATE 3315 HANDHOLE AVERAGE	1	EA	C	C			3315.4		
		601600		ROCK, DRY, 3/8" RECYCLED MATLS PREFERRED	1	TN	C	C					
		15H-SL		BACKFILL SLURRY 3315 HH	1	EA	C	C					
		248200		CONCRETE - 1 SACK (SAND MIX)	5	CY	C	C					
		3315TC		HANDHOLE 3315 WITH TRAFFIC COVER	1	EA	C	C			3315		
		400308		3315 TRAFFIC COVER HANDHOLE COMPLETE	1	EA	C	C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PH	PRI HANDHOLE		H131564	SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 290 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 290 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	460	FT	C		S	C	G7453	C-BC	23.0
			X20201		TRAFFIC BEARING STEEL PLATE	460	EA		C				C-BH	23.0
			114215		ASPHALT, COLD MIX	5	TN		C				3SWF4	46.0
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	460	FT	C		S	C		C-DT	55.2
			X30007		DUMPING FEE	157	CY		C					
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	1380	FT	C		S	C	G7409	3-WF3	4.1
			656400		SLURRY MIX, 1 SACK SAND	103	CY		C					
I-N			2EB5IN		2-5 IN EB CONDUIT CONC ENC	420	FT	C		S	C	3376.1	3-WF3	5.9
			248201		CONCRETE - 2 SACK (GRAVEL MIX)	14	CY		C					
			249728		CONDUIT DB 5 IN 20 FT LENGTH	840	FT		C					
			663528		SPACER INTERMEDIATE 5 IN 2-WAY	71	EA		C					
			663530		1 IN BASE SPACER	71	EA		C					
I-N			2-5SLS		2-5 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	1.3
			321856		BEND CONDUIT DB 5 IN 22.5 D 25 FT R	8	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	420	FT	C		S	C		SR3AS	10.9
I-N			AB-M24		ASPHALT BASE MECH 24 IN	420	FT	C		S	C		SR-3A	11.3
			114201		ASPHALT (BASE)	16	TN		C					
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	2	EA	C		S	C		SR3CS	2.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			ARRO-B		TC-ARROW BOARD ASSIST FOR TRENCHING	1	HR	C		S	C		ARROB	1.0
I-N			FLAG-U		TC-FLAGGING	1	HR	C		S	C		C-FL	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 4,8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 291 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATON 291 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 4,8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 292 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 292 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		PUMP-S		PUMP AND/OR CLEAN MR/HH	1	EA	U		S	C		PUMPT	2.0
												2WF3	2.0
I-N		VENT-C		TEST/VENTILATE M.H. (CONNECTIONS)	1	EA	U		S	C		2WF3	0.4
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	U		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	U		S	C		TC4	1.0
I-N		CORE-3		CORE DRILL 3 IN	1	EA	U		S	C		3SWF3	0.5
												C-COR	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
			H2171775001		SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 293 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 293 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	30	FT	C		S	C	G7453	3-WF3	11.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	30	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	30	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN						C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	30	FT	C		S	C	3373.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	30	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	30	FT	C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY			C				
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	30	FT	C		S	C		SR3AS	1.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	30	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA			C			C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	6	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	6	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA			S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			S	C		TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	6	FT	C		S	C		SR3AS	0.2
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	6	FT	C		S	C		SR3CS	

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 294 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 294 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 295 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 295 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	17	FT	C		S	C		SR3AS	0.7
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	17	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	6	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	6	FT	C		S	C		SR3AS	0.2
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	6	FT	C		S	C		SR3CS	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 296 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 296 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3313TC	400302	HANDHOLE 3313 WITH TRAFFIC COVER 3313 TRAFFIC COVER HANDHOLE COMPLETE	10	EA	C		S	C	3313	BOOMT	30.0
						10	EA	C					3-AF4	5.0
I-N			X13H-A		EXCAVATE 3313 HANDHOLE	1	EA	C		S	C	3313.2	3SWF3	0.4
I-N			CC-1CT		CONCRETE 1 SAW CUT	1	FT	C		S	C		SR3AS	
I-N			AD-P-H	248205	ADJUST HH TO GRADE (IN PKY OR NEW CONST) CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA	C		S	C		SR3CS	1.5
						1	CY	C					BOOMT	4.0
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				656400	BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	3	EA	C						
						1	CY	C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC														
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES										

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 297 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 297 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	47	FT		C		S	C		SR3AS	1.2
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	47	FT		C		S	C		C-BC	3.1
				X20022	GRIND ASPHALT (PER SF)	47	SF		C					SR-3A	3.1
				114201	ASPHALT (BASE)	5	TN		C						
				114202	ASPHALT (TOP)	1	TN		C						
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	87	FT		C		S	C	G7453	C-BC	4.4
				X20201	TRAFFIC BEARING STEEL PLATE	87	EA		C					C-BH	4.4
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	8.7
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	87	FT		C		S	C		C-DT	10.4
				X30007	DUMPING FEE	30	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	261	FT		C		S	C	G7409	3-WF3	0.5
				656400	SLURRY MIX, 1 SACK SAND	15	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	80	FT		C		S	C		3-WF3	8.0
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	47	FT		C		S	C	3376.1	3-WF3	0.7
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C						
				249664	CONDUIT DB 3 IN 20 FT LENGTH	47	FT		C						
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	8	EA		C						
				663530	1 IN BASE SPACER	8	EA		C						
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA		C		S	C	3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			SAW-CC		SAW CUT CONCRETE	20	FT		C		S	C		SR-3C	2.0
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	4	EA		C		S	C		SR3CS	4.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	2	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT		C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C						

WORK	FAC														
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES										

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 298 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 298 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	87	FT	C		S	C	3376.1	3-WF3	1.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	87	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 299 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 299 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
													PAGE	TYPE	HOURS	
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT		C			S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT		C			S	C		3-WF3	0.3
															C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT		C			S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C						C-BH	0.1
															C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT		C			S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C							
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT		C			S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C							
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	18	FT		C			S	C		SR3AS	0.7
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	18	FT		C			S	C		SR3CS	0.1
I-N			BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT		C			S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C						C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C						3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT		C			S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C							
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT		C			S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C							
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT		C			S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C							
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C							
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C			S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C							
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C			S	C		TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	6	FT		C			S	C		SR3AS	0.2
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	6	FT		C			S	C		SR3CS	

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 300 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 300 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	27	FT	C		S	C	G7453	3-WF3	10.2
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	27	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	27	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	27	FT	C		S	C	3373.1	3-WF3	0.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	27	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	27	FT	C		S	C		C-DT	0.7
				X30007	DUMPING FEE	3	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	27	FT	C		S	C		SR3AS	1.1
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	27	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	17	FT	C		S	C	3376.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	6	FT	C		S	C		SR3AS	0.2
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	6	FT	C		S	C		SR3CS	

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG										CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 301 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 301 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	272	FT	C		S	C	G7453	C-BC	10.9
			X20201		TRAFFIC BEARING STEEL PLATE	204	EA			C			C-BH	10.9
			114215		ASPHALT, COLD MIX	3	TN			C			3SWE4	21.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	272	FT	C		S	C		C-DT	23.9
			X30007		DUMPING FEE	68	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	544	FT	C		S	C	G7409	3-WF3	1.1
			656400		SLURRY MIX, 1 SACK SAND	31	CY			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	272	FT	C		S	C	3376.1	3-WF3	3.8
			249664		CONDUIT DB 3 IN 20 FT LENGTH	272	FT			C				
			656400		SLURRY MIX, 1 SACK SAND	6	CY			C				
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	3	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	272	FT	C		S	C		SR3AS	10.9
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	272	FT	C		S	C		SR3CS	1.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 302 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 302 OF 587

WRK	F-C	MU ID	AV ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA	C						
I-N			X-XFIP		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB	C						
I-N			2-4SLB		2-4 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322082	4 IN DB 100 90 D 36 IN R BEND	2	EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C						

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218237	SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 303 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 303 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK MAT	TIM	ACC	STANDARD	CREW	EST		
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN			C			C-BH	0.1
													C-DP	0.1
I-N			1DB4-S		1-4 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
				249710	CONDUIT DB 100 4 IN 20 FT LENGTH	17	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 304 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 304 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	15	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	15	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	15	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	42	FT	C		S	C	G7453	C-BC	1.7
			X20201	TRAFFIC BEARING STEEL PLATE	32	EA		C				C-BH	1.7
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	3.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	42	FT	C		S	C		C-DT	3.7
			X30007	DUMPING FEE	11	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	126	FT	C		S	C	G7409	3-WF3	0.3
			656400	SLURRY MIX, 1 SACK SAND	8	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	42	FT	C		S	C	3376.1	3-WF3	0.6
			249664	CONDUIT DB 3 IN 20 FT LENGTH	42	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.8
I-N		CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	20	FT	C		S	C		SR3CS	0.1
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	22	FT	C		S	C		3-WF3	2.2

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 305 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 305 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT		C			S	C	G7453	3-WF3	6.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT		C			S	C		3-WF3	0.2
															C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	16	FT		C			S	C	G7405	3-WF3	
															C-BH	
															C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	16	FT		C			S	C	3373.1	3-WF3	0.2
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	16	FT		C			S	C		C-DT	0.4
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	16	FT		C			S	C		3-WF3	1.6
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	34	FT		C			S	C		SR3AS	0.9
I-N			AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	34	FT		U			S	C		C-BC	0.9
															SR4AL	0.9
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	10	FT		C			S	C	G7453	C-BC	0.4
				114215	ASPHALT, COLD MIX	8	EA					C			C-BH	0.4
															3SWF4	0.8
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	10	FT		C			S	C		C-DT	0.9
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	30	FT		C			S	C	G7409	3-WF3	0.1
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	83	FT		C			S	C	3376.1	3-WF3	1.2
				656400	SLURRY MIX, 1 SACK SAND	83	FT									
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C			S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	1	EA									
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C			S	C		TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C			S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		U			S	C		SR3CS	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 305 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 305 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		U					
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 306 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 306 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK MAT	TIM	ACC	STANDARD	CREW	EST	
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1		EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1		EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1		CY	C						

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
			D213135		SEE SHT 2

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 307 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 307 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1
I-N			STUB/M		STUB MARKER FOR UNDERGROUND CONDUIT	1	EA	C		S	C	3377.1	3-WF3	0.1
				476302	MARKER CONDUIT STUB RED	1	EA			C				
				476494	MARKER, BALL, E.F.M.S	1	EA			C				
				809200	WIRE TRACER 14AWG 600V CU SOLID INSULATE	6	FT			C				
I-N			CON-SB		CONDUIT WORK (STANDBY LINEMAN ASSIST)	1	HR	U		S	C		STNBY	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 2

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 308 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 308 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215		ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 2

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 309 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 309 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	250	FT	C		S	C		SR3AS	6.5
I-N		AB-M24		ASPHALT BASE MECH 24 IN	250	FT	C		S	C		SR-3A	6.8
			114201	ASPHALT (BASE)	10	TN		C					
I-N		BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	268	FT	C		S	C	G7453	C-BC	13.4
			X20201	TRAFFIC BEARING STEEL PLATE	268	EA		C				C-BH	13.4
			114215	ASPHALT, COLD MIX	3	TN		C				3SWF4	26.8
I-N		REM-4'		TRENCH SPOIL 4 FT DEPTH	268	FT	C		S	C		C-DT	32.2
			X30007	DUMPING FEE	92	CY		C					
I-N		SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	804	FT	C		S	C	G7409	3-WF3	2.4
			656400	SLURRY MIX, 1 SACK SAND	60	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	210	FT	C		S	C	3376.1	3-WF3	2.9
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	4	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	210	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	36	EA		C					
			663530	1 IN BASE SPACER	36	EA		C					
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	U		S	C	3373.2	3-WF3	0.7
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		U					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		U					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	U		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		U					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		U					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		XING/S		TRAFFIC COND. (KING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		SAW-CC		SAW CUT CONCRETE	20	FT	C		S	C		SR-3C	2.0
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	2	EA	C		S	C		SR3CS	2.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 2,4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 310 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 310 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSF	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA			C				
I-N			X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
I	PD	PAD		D218235	SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 311 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 311 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	10	FT	C		S	C	G7405	3-WF3	
						1	TN						C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	10	FT	C		S	C	3373.1	3-WF3	0.2
						10	FT							
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	10	FT	U		S	C	3373.1	3-WF3	0.2
						10	FT							
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	10	FT	C		S	C		C-DT	0.3
						1	CY							
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 2,4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 312 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 312 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
P-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	78	FT	C		S	C	G7453	C-BC	3.1
		X20201		TRAFFIC BEARING STEEL PLATE	59	EA		C				C-BH	3.1
		114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	6.2
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	78	FT	C		S	C		C-DT	6.9
		X30007		DUMPING FEE	20	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	225	FT	C		S	C	G7409	3-WF3	0.5
		656400		SLURRY MIX, 1 SACK SAND	13	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	78	FT	C		S	C	3376.1	3-WF3	1.1
		249664		CONDUIT DB 3 IN 20 FT LENGTH	78	FT		C					
		656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
		322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
		656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	66	FT	C		S	C		SR3AS	2.6
I-N		CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	66	FT	C		S	C		SR3CS	0.3

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 313 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 313 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	10	EA	C		S	C	3313	BOOMT	30.0
				400302	3313 TRAFFIC COVER HANDHOLE COMPLETE	10	EA		C				3-AF4	5.0
I-N			X13H-A		EXCAVATE 3313 HANDHOLE	1	EA	C		S	C	3313.2	3SWF3	0.4
I-N			CC-1CT		CONCRETE 1 SAW CUT	1	FT	C		S	C		SR3AS	
I-N			AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA	C		S	C		SR3CS	1.5
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C				BOOMT	4.0
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 314 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 314 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	50	FT		C		S	C	G7453	C-BC	2.0
			X20201		TRAFFIC BEARING STEEL PLATE	38	EA		C					C-BH	2.0
			114215		ASPHALT, COLD MIX	1	TN		C					3SWF4	4.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	50	FT		C		S	C		C-DT	4.4
			X30007		DUMPING FEE	13	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	150	FT		C		S	C	G7409	3-WF3	0.3
			656400		SLURRY MIX, 1 SACK SAND	9	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	50	FT		C		S	C	3376.1	3-WF3	0.7
			249664		CONDUIT DB 3 IN 20 FT LENGTH	50	FT		C						
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	50	FT		C		S	C		SR3AS	2.0
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	50	FT		C		S	C		SR3CS	0.2

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 315 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 315 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	10	EA	C		S	C	3313	BOOMT	30.0
			400302	3313 TRAFFIC COVER HANDHOLE COMPLETE	10	EA		C				3-AF4	5.0
I-N		XI3H-A		EXCAVATE 3313 HANDHOLE	1	EA	C		S	C	3313.2	3SWF3	0.4
I-N		CC-1CT		CONCRETE 1 SAW CUT	1	FP	C		S	C		SR3AS	
I-N		AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA	C		S	C		SR3CS	1.5
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C				BOOMT	4.0
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 316 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 316 OF 587

WRK	F-C	MU ID	AV ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	90	FT	C		S	C	G7453	C-BC	3.6
			X20201		TRAFFIC BEARING STEEL PLATE	68	EA		C				C-BH	3.6
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	7.2
I-N			REM-3		TRENCH SPOIL 3 FT DEPTH	90	FT	C		S	C		C-DT	7.9
			X30007		DUMPING FEE	23	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	270	FT	C		S	C	G7409	3-WF3	0.5
			656400		SLURRY MIX, 1 SACK SAND	16	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	90	FT	C		S	C	3376.1	3-WF3	1.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	90	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	90	FT	C		S	C		SR3AS	3.6
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	90	FT	C		S	C		SR3CS	0.4

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 317 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 317 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	10	EA	C		S	C	3313	BOOMT	30.0
			400302		3313 TRAFFIC COVER HANDHOLE COMPLETE	10	EA			C			3-AF4	5.0
I-N			X13H-A		EXCAVATE 3313 HANDHOLE	1	EA	C		S	C	3313.2	3SWF3	0.4
I-N			CC-1CT		CONCRETE 1 SAW CUT	1	FT	C		S	C		SR3AS	
I-N			AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA	C		S	C		SR3CS	1.5
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C			BOOMT	4.0
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 318 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 318 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	155	FT	C		S	C	G7453	C-BC	6.2
			X20201		TRAFFIC BEARING STEEL PLATE	117	EA			C			C-BH	6.2
			114215		ASPHALT, COLD MIX	2	TN			C			3SWF4	12.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	155	FT	C		S	C		C-DT	13.6
			X30007		DUMPING FEE	39	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	465	FT	C		S	C	G7409	3-WF3	0.9
			656400		SLURRY MIX, 1 SACK SAND	26	CY			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	155	FT	C		S	C	3376.1	3-WF3	2.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	155	FT			C				
			656400		SLURRY MIX, 1 SACK SAND	3	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	133	FT	C		S	C		SR3AS	5.3
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	133	FT	C		S	C		SR3CS	0.5

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 319 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 319 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 320 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 320 QF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA		C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA			C					
I-N		X-XF1P			PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA		C		S	C		3SWF3	0.4
I-N		TG-T-W			TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA		C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB			C					
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C					

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
I	PD	PAD		D218234	SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 321 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 321 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	73	FT	C		S	C	G7453	C-BC	2.9
		X20201		TRAFFIC BEARING STEEL PLATE	55	EA			C			C-BH	2.9
		114215		ASPHALT, COLD MIX	1	TN			C			3SWF4	5.8
I-N		REM-3		TRENCH SPOIL 3 FT DEPTH	73	FT	C		S	C		C-DT	6.4
		X30007		DUMPING FEE	19	CY			C				
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	219	FT	C		S	C	G7409	3-WF3	0.4
		656400		SLURRY MIX, 1 SACK SAND	13	CY			C				
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	73	FT	C		S	C	3376.1	3-WF3	1.0
		249664		CONDUIT DB 3 IN 20 FT LENGTH	73	FT			C				
		656400		SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
		322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA			C				
		656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
		114215		ASPHALT, COLD MIX	1	TN			C				
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	45	FT	C		S	C		SR3AS	1.2
I-N		AB-M18		ASPHALT BASE MECH 18 IN	45	FT	C		S	C		C-BC	1.2
		114201		ASPHALT (BASE)	5	TN			C			SR4AL	1.2
I-N		SAW-CC		SAW CUT CONCRETE	20	FT	C		S	C		SR-3C	2.0
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	2	EA	C		S	C		SR3CS	2.0
		248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	14	FT	C		S	C		3-WF3	1.4

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 322 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 322 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			RED5-4		CONDUIT BELL REDUCER DB 5 IN TO 4 IN	1	EA	U			S	C	3373.2		
				573384	CONDUIT BELL REDUCER 5 IN TO 4 IN	1	EA		U						
I-N			RED4-3		CONDUIT BELL REDUCER DB 4 IN TO 3 IN	1	EA	U			S	C	3373.2		
				573380	CONDUIT BELL REDUCER 4 IN TO 3 IN	1	EA		U						
I-N			PUMP-S		PUMP AND/OR CLEAN MH/HH	1	EA	U			S	C		PUMPT	2.0
														2WF3	2.0
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	U			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	U			S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
			H2174375001		SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 323 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 323 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION										

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 324 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 324 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	16	FT	C		S	C	G7405	3-WF3	
						1	TN	C					C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	16	FT	C		S	C	3373.1	3-WF3	0.2
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	16	FT	C		S	C		C-DT	0.4
						2	CY	C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	16	FT	C		S	C		SR3AS	0.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	16	FT	C		S	C		SR3CS	0.1
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	5	FT	C		S	C	G7453	C-BC	0.2
				114215		4	EA	C					C-BH	0.2
						1	TN	C					3SWF4	0.4
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
						2	CY	C						
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	15	FT	C		S	C	G7409	3-WF3	
						1	CY	C						
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	59	FT	C		S	C	3376.1	3-WF3	0.8
				656400		59	FT	C						
						2	CY	C						
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C		S	C	3373.2	3-WF3	0.1
				656400		1	EA	C						
						1	CY	C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	5	FT	C		S	C		SR3CS	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 325 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 325 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	15	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	15	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	15	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	15	FT	C		S	C		SR3AS	0.6
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	15	FT	C		S	C		SR3CS	0.1
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	25	FT	C		S	C	3376.1	3-WF3	0.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	25	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N		CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	5	FT	C		S	C		SR3CS	

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 326 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 326 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	9	FT	C		S	C	G7453	3-WF3	3.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	9	FT	C		S	C		3-WF3	0.1
													C-BC	0.1
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	9	FT	C		S	C	G7405	3-WF3	
						1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	9	FT	C		S	C	3373.1	3-WF3	0.1
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	9	FT	C		S	C		C-DT	0.2
						1	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	9	FT	C		S	C		SR3AS	0.4
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	9	FT	C		S	C		SR3CS	
I-N			BH03KH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	5	FT	C		S	C	G7453	C-BC	0.2
				114215	ASPHALT, COLD MIX	4	EA		C				C-BH	0.2
						1	TN		C				3SWF4	0.4
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
						2	CY		C					
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	10	FT	C		S	C	G7409	3-WF3	
						1	CY		C					
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	3	FT	C		S	C	3376.1	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	3	FT		C					
						1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	5	FT	C		S	C		SR3CS	

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 327 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 327 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	10	EA	C		S	C	3313	BOOMT	30.0
			400302		3313 TRAFFIC COVER HANDHOLE COMPLETE	10	EA	C					3-AF4	5.0
I-N			X13H-A		EXCAVATE 3313 HANDHOLE	1	EA	C		S	C	3313.2	3SWF3	0.4
I-N			CC-1CT		CONCRETE 1 SAW CUT	1	FT	C		S	C		SR3AS	
I-N			AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA	C		S	C		SR3CS	1.5
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY	C					BOOMT	4.0
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA	C						
			656400		SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 328 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 328 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	12	FT	C		S	C	G7453	3-WF3	4.8
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	12	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	12	FT	C		S	C	G7405	3-WF3	
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	12	FT	C		S	C	3373.1	3-WF3	0.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	12	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	12	FT	C		S	C		C-DT	0.3
			X30007		DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	12	FT	C		S	C		SR3AS	0.5
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	12	FT	C		S	C		SR3CS	
I-N			BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	3	FT	C		S	C	3376.1	3-WF3	
			249664		CONDUIT DB 3 IN 20 FT LENGTH	3	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	5	FT	C		S	C		SR3CS	

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 329 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 329 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	5 FT	C			S	C	G7453	3-WF3	2.3
I-N		BKP-3'		BACKFILL TRENCH 3 FOOT DEEP	5 FT	C			S	C		3-WF3	0.1
												C-BC	0.1
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	5 FT	C			S	C	G7405	3-WF3	
					1 TN		C					C-BH	
												C-DT	
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	5 FT	C			S	C	3373.1	3-WF3	0.1
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	5 FT	C			S	C		C-DT	0.1
					1 CY		C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1 FT	C			S	C		3-WF3	0.1
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1 FT	C			S	C		SR3AS	
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1 FT	C			S	C		SR3CS	
I-N		BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	10 FT	C			S	C	G7453	C-BC	0.4
			114215	ASPHALT, COLD MIX	8 EA		C					C-BH	0.4
					1 TN		C					3SWF4	0.8
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	10 FT	C			S	C		C-DT	0.9
					3 CY		C						
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	30 FT	C			S	C	G7409	3-WF3	0.1
					2 CY		C						
I-N		1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	10 FT	C			S	C	3376.1	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	10 FT	C			S	C			
					1 CY		C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1 EA	C			S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1 EA	C			S	C		TC4	1.0
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	10 FT	C			S	C		SR3AS	0.4
I-N		CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	10 FT	C			S	C		SR3CS	

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 330 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 330 OF 587

WRK	F-C	MU	ID	AU	ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N				3'HD-A			HAND DIG TRENCH 3 FT DEEP AVE	25	FT	C		S	C	G7453	3-WF3	9.5
I-N				BKF-3'			BACKFILL TRENCH 3 FOOT DEEP	25	FT	C		S	C		3-WF3 C-BC	0.4 0.4
I-N				SHD-12			SHADE TRENCH WITH SAND - 12 INCH WIDTH	25	FT	C		S	C	G7405	3-WF3	0.1
					611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH C-DT	0.1 0.1
I-N				1DB3-S			1-3 IN DB CONDUIT SEC	25	FT	C		S	C	3373.1	3-WF3	0.4
					249664		CONDUIT DB 3 IN 20 FT LENGTH	25	FT		C					
I-N				R-XCES			EXCESS TRENCH SPOIL (12 IN DEEP)	25	FT	C		S	C		C-DT	0.6
					X30007		DUMPING FEE	3	CY		C					
I-N				CC-2CT			CONCRETE 2 SAW CUT AND BREAK MECH	25	FT	C		S	C		SR3AS	1.0
I-N				CF-H12			FINISH CONCRETE SURFACE MAN 12 IN	25	FT	C		S	C		SR3CS	0.1
I-N				BH03KH			MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
					X20201		TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4
					114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8
I-N				REM-3'			TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
					X30007		DUMPING FEE	3	CY		C					
I-N				SLR-18			BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1
					656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N				1EB3SL			1-3 IN EB CONDUIT SLURRY ENCASED	10	FT	C		S	C	3376.1	3-WF3	0.1
					249664		CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
					656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N				1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
					322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
					656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N				LN-S/U			TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N				LN/S/S			LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N				CC-2CT			CONCRETE 2 SAW CUT AND BREAK MECH	10	FT	C		S	C		SR3AS	0.4
I-N				CF-H18			FINISH CONCRETE SURFACE MAN 18 IN	10	FT	C		S	C		SR3CS	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 331 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 331 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	25	FT	C		S	C	G7453	3-WF3	9.5
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	25	FT	C		S	C		3-WF3	0.4
												C-BC	0.4
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	25	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		IDB3-S		1-3 IN DB CONDUIT SEC	25	FT	C		S	C	3373.1	3-WF3	0.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	25	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	25	FT	C		S	C		C-DT	0.6
			X30007	DUMPING FEE	3	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N		ICF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1	FT	C		S	C		SR3CS	
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	48	FT	C		S	C	3376.1	3-WF3	0.7
			249664	CONDUIT DB 3 IN 20 FT LENGTH	48	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		I-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N		ICF-H18		FINISH CONCRETE SURFACE MAN 18 IN	5	FT	C		S	C		SR3CS	

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
LOCATION: 331 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 331 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 332 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 332 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	30	FT	C		S	C	G7453	3-WF3	11.3
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	30	FT	C		S	C		3-WF3	0.5
												C-BC	0.5
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	30	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		IDB3-S		1-3 IN DB CONDUIT SEC	30	FT	C		S	C	3373.1	3-WF3	0.5
			249664	CONDUIT DB 3 IN 20 FT LENGTH	30	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	30	FT	C		S	C		C-DT	0.8
			X30007	DUMPING FEE	3	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	30	FT	C		S	C		SR3AS	1.2
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	30	FT	C		S	C		SR3CS	0.1
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	25	FT	C		S	C	3376.1	3-WF3	0.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	25	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N		CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	5	FT	C		S	C		SR3CS	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 333 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 333 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION										

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 334 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 334 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	24	FT	C		S	C	3376.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	24	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			STUB/M		STUB MARKER FOR UNDERGROUND CONDUIT	1	EA	C		S	C	3377.1	3-WF3	0.1
				476302	MARKER CONDUIT STUB RED	1	EA		C					
				476494	MARKER, BALL, E.F.M.S	1	EA		C					
				809200	WIRE TRACER 14AWG 600V CU SOLID INSULATE	6	FT		C					
I-N			CON-SB		CONDUIT WORK (STANDBY LINEMAN ASSIST)	1	HR	C		S	C		STNEY	1.0

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 335 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 335 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	EST	HOURS
					NO DESIGN UNITS FOR THIS LOCATION											

WORK	FAC	FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
							SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 336 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 336 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA	C						
I-N			X-XFLP		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB	C						
I-N			1-2SLB		1-2 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				321812	BEND CONDUIT DB 2 IN 90 D 36 IN R	1	EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N			1-4SLB		1-4 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322082	4 IN DB 100 90 D 36 IN R BEND	1	EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C						

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218295	SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 337 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 337 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT	C		S	C	G7453	3-WF3	5.5	
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT	C		S	C		3-WF3	0.2	
													C-BC	0.2	
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	14	FT	C		S	C	G7405	3-WF3		
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN	C					C-BH		
													C-DT		
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	14	FT	C		S	C	3373.1	3-WF3	0.2	
				249664	CONDUIT DB 3 IN 20 FT LENGTH	14	FT	C							
I-N			1DB3S8		1-3 IN DB 45 D 36 IN R BEND SEC	1	EA	C		S	C	3373.2	3-WF3		
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA	C							
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	14	FT	C		S	C		C-DT	0.4	
				X30007	DUMPING FEE	2	CY	C							
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	14	FT	C		S	C		3-WF3	1.4	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	3	FT	C		S	C	G7453	C-BC	0.1	
				X20201	TRAFFIC BEARING STEEL PLATE	3	EA	C					C-BH	0.1	
				114215	ASPHALT, COLD MIX	1	TN	C					3SWF4	0.2	
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	3	FT	C		S	C		C-DT	0.3	
				X30007	DUMPING FEE	1	CY	C							
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	9	FT	C		S	C	G7409	3-WF3		
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C							
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	3	FT	C		S	C	3376.1	3-WF3		
				249664	CONDUIT DB 3 IN 20 FT LENGTH	3	FT	C							
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0	
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0	

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 338 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 338 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	23	FT	C		S	C	G7453	3-WF3	8.8
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	23	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	23	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	23	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	23	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	23	FT	C		S	C		C-DT	0.6
			X30007	DUMPING FEE	3	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	23	FT	C		S	C		SR3AS	0.9
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	23	FT	C		S	C		SR3CS	0.1
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
			X20201	TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
			X30007	DUMPING FEE	3	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	10	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG									CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 339 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 339 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0	
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3	
													C-BC	0.3	
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1	
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN	C					C-BH	0.1	
													C-DT	0.1	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3	
			249664		CONDUIT DB 3 IN 20 FT LENGTH	18	FT	C							
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5	
			X30007		DUMPING FEE	2	CY	C							
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	18	FT	C		S	C		SR3AS	0.7	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	18	FT	C		S	C		SR3CS	0.1	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2	
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA	C					C-BH	0.2	
			114215		ASPHALT, COLD MIX	1	TN	C					3SWF4	0.4	
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4	
			X30007		DUMPING FEE	2	CY	C							
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3		
			656400		SLURRY MIX, 1 SACK SAND	1	CY	C							
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1	
			249664		CONDUIT DB 3 IN 20 FT LENGTH	5	FT	C							
			656400		SLURRY MIX, 1 SACK SAND	1	CY	C							
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1	
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA	C							
			656400		SLURRY MIX, 1 SACK SAND	1	CY	C							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0	
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 340 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 340 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	22	FT	C		S	C	G7453	3-WF3	8.4
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	22	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	22	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		IDB3-S		1-3 IN DB CONDUIT SEC	22	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	22	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	22	FT	C		S	C		C-DT	0.6
			X30007	DUMPING FEE	2	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	22	FT	C		S	C		SR3AS	0.9
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	22	FT	C		S	C		SR3CS	0.1
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.5
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C		C-DT	0.5
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	18	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	6	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 341 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 341 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	19	FT	C		S	C	G7453	3-WF3	7.3
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	19	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	19	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	19	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	19	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	19	FT	C		S	C		C-DT	0.5
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	19	FT	C		S	C		3-WF3	1.9
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
			X20201	TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
			X30007	DUMPING FEE	3	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	10	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST	TAG	NEW	TAG							CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 342 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 342 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	19		FT	C		S	C	G7453	3-WF3	7.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	19		FT	C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	19		FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1		TN		C				C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	19		FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	19		FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	19		FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2		CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	19		FT	C		S	C		3-WF3	1.9
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 343 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 343 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	28	FT	C		S	C	G7453	3-WF3	10.6
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	28	FT	C		S	C		3-WF3	0.4
												C-BC	0.4
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	28	FT	C		S	C	G7405	3-WF3	0.1
		611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	28	FT	C		S	C	3373.1	3-WF3	0.4
		249664		CONDUIT DB 3 IN 20 FT LENGTH	28	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	28	FT	C		S	C		C-DT	0.7
		X30007		DUMPING FEE	3	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	4	FT	C		S	C		3-WF3	0.4
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	24	FT	C		S	C		SR3AS	1.0
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	24	FT	C		S	C		SR3CS	0.1
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 344 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 344 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N			X09H26	162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA	C		S	C	3373.2	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 345 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 345 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	EA	C	UM	RSP	RSP	TRT	TRT	ACC	STANDARD	PAGE	CREW	EST	TYPE	HOURS
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C						S	C	3373.2	3-WF3	0.2		
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA													
			656400		SLURRY MIX, 1 SACK SAND	1	CY													

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 346 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 346 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	25	FT	C		S	C	G7453	3-WF3	9.5
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	25	FT	C		S	C		3-WF3	0.4
												C-BC	0.4
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	25	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	25	FT	C		S	C	3373.1	3-WF3	0.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	25	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	25	FT	C		S	C		C-DT	0.6
			X30007	DUMPING FEE	3	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	25	FT	C		S	C		3-WF3	2.5
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	25	FT	C		S	C		SR3AS	0.7
I-N		AB-M18		ASPHALT BASE MECH 18 IN	25	FT	C		S	C		C-BC	0.7
			114201	ASPHALT (BASE)	3	TN		C				SR4AL	0.7
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	35	FT	C		S	C	G7453	C-BC	1.4
			X20201	TRAFFIC BEARING STEEL PLATE	27	EA		C				C-BH	1.4
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.8
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	35	FT	C		S	C		C-DT	3.1
			X30007	DUMPING FEE	9	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	105	FT	C		S	C	G7409	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	112	FT	C		S	C	3376.1	3-WF3	1.6
			249664	CONDUIT DB 3 IN 20 FT LENGTH	112	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 346 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 346 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 347 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 347 OF 587

WRK F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK UM	MAT RSP	TIM RSP	ACC TRT	STANDARD TRT	PAGE	CREW TYPE	EST HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	110	FT	C		S	C		SR3AS	2.9
I-N		AB-M18		ASPHALT BASE MECH 18 IN	110	FT	C		S	C		C-BC	3.0
			114201	ASPHALT (BASE)	12	TN		C				SR4AL	3.0
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	120	FT	C		S	C	G7453	C-BC	4.8
			X20201	TRAFFIC BEARING STEEL PLATE	90	EA		C				C-BH	4.8
			114215	ASPHALT, COLD MIX	2	TN		C				3SWF4	9.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	120	FT	C		S	C		C-DT	10.6
			X30007	DUMPING FEE	30	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	360	FT	C		S	C	G7409	3-WF3	0.7
			656400	SLURRY MIX, 1 SACK SAND	21	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	120	FT	C		S	C	3376.1	3-WF3	1.7
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	3	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	120	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	21	EA		C					
			663530	1 IN BASE SPACER	21	EA		C					
I-N		1-3ST.R		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 348 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 348 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	315	FT	C		S	C		SR3AS	8.2
I-N			AB-M24		ASPHALT BASE MECH 24 IN	315	FT	C		S	C		SR-3A	8.5
				114201	ASPHALT (BASE)	12	TN		C					
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	315	FT	C		S	C	G7453	IC-BC	15.8
				X20201	TRAFFIC BEARING STEEL PLATE	315	EA		C				IC-BH	15.8
				114215	ASPHALT, COLD MIX	3	TN		C				3SWF4	31.5
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	315	FT	C		S	C		IC-DT	37.8
				X30007	DUMPING FEE	108	CY		C					
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	945	FT	C		S	C	G7409	3-WF3	2.8
				656400	SLURRY MIX, 1 SACK SAND	71	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	360	FT	C		S	C	3376.1	3-WF3	5.0
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	7	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	360	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	61	EA		C					
				663530	1 IN BASE SPACER	61	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	20	FT	C		S	C		3-WF3	2.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 349 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 349 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	16	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	16	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	16	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	16	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	16	FT	C		S	C		3-WF3	1.6
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	16	FT	C		S	C	G7453	C-BC	0.6
			X20201	TRAFFIC BEARING STEEL PLATE	12	EA		C				C-BH	0.6
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	1.3
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	16	FT	C		S	C		C-DT	1.4
			X30007	DUMPING FEE	4	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	48	FT	C		S	C	G7409	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	78	FT	C		S	C	3376.1	3-WF3	1.1
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	78	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	14	EA		C					
			663530	1 IN BASE SPACER	14	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG									CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 350 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 350 OF 587

WRK	FAC	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	22	FT	C		S	C		SR3AS	0.6
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	22	FT	C		S	C		C-BC	1.5
				X20022	GRIND ASPHALT (PER SF)	22	SF		C				SR-3A	1.5
				114201	ASPHALT (BASE)	2	TN		C					
				114202	ASPHALT (TOP)	1	TN		C					
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	35	FT	C		S	C	G7453	C-BC	1.4
				X20201	TRAFFIC BEARING STEEL PLATE	27	EA		C				C-BH	1.4
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	35	FT	C		S	C		C-DT	3.1
				X30007	DUMPING FEE	9	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	105	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	33	FT	C		S	C	3376.1	3-WF3	0.5
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	33	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	6	EA		C					
				663530	1 IN BASE SPACER	6	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 351 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 351 OF 587

WRK F-CIMU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK UM	MAT RSP	TIM RSP	ACC TRT	STANDARD TRT	PAGE	CREW TYPE	EST HOURS
I-N	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	26	FT	C		S	C	G7453	3-WF3	9.9
I-N	BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	26	FT	C		S	C		3-WF3 C-BC	0.4 0.4
I-N	SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	26	FT	C		S	C	G7405	3-WF3 C-BH C-DT	0.1 0.1 0.1
I-N	1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	26	FT	C		S	C	3373.1	3-WF3	0.4
I-N	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	26	FT	C		S	C		C-DT	0.7
I-N	PLANTU		REMOVE/REPLACE LANDSCAPING	26	FT	C		S	C		3-WF3	2.6
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N	LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 352 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 352 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N			X09H26	162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
				656400	BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 353 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 353 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	16	FT	C		S	C	G7405	3-WF3	
						1	TN						C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	16	FT	C		S	C	3373.1	3-WF3	0.2
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	16	FT	C		S	C		C-DT	0.4
						2	CY							
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	16	FT	C		S	C		3-WF3	1.6
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	25	FT	C		S	C	G7453	C-BC	1.0
				114215		19	EA						C-BH	1.0
						1	TN						3SWF4	2.0
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	25	FT	C		S	C		C-DT	2.2
						7	CY							
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	75	FT	C		S	C	G7409	3-WF3	0.2
						5	CY							
I-N			1EB3IN	248201	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX)	44	FT	C		S	C	3376.1	3-WF3	0.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	1	CY							
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	44	FT							
				663530	1 IN BASE SPACER	8	EA							
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1	EA			S	C	3373.2	3-WF3	0.1
				656400		1	EA							
						1	CY							
I-N			1-3SLS	322144	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	1	EA			S	C	3373.2	3-WF3	0.2
				656400		1	EA							
						1	CY							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 353 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 353 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 354 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 354 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	124	FT	C		S	C	3376.1	3-WF3	1.7
			249664	CONDUIT DB 3 IN 20 FT LENGTH	124	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 355 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 355 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	16	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	16	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	16	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	16	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	11	FT	C		S	C		3-WF3	1.1
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 356 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 356 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
			514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA		C					
I-N		X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
			812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	6	EA	C		S	C	3373.2	3-WF3	0.3
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	6	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218293	SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 357 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 357 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	70	FT	C		S	C		SR3AS	1.8
I-N			A3-M18		ASPHALT BASE MECH 18 IN	70	FT	C		S	C		C-BC	1.9
				114201	ASPHALT (BASE)	8	TN			C			SR4AL	1.9
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	70	FT	C		S	C	G7453	C-BC	2.8
				X20201	TRAFFIC BEARING STEEL PLATE	53	EA			C			C-BH	2.8
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	5.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	70	FT	C		S	C		C-DT	6.2
				X30007	DUMPING FEE	18	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	210	FT	C		S	C	G7409	3-WF3	0.4
				656400	SLURRY MIX, 1 SACK SAND	12	CY			C				
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	70	FT	C		S	C	3376.1	3-WF3	1.0
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY			C				
				249664	CONDUIT DB 3 IN 20 FT LENGTH	70	FT			C				
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	12	EA			C				
				663530	1 IN BASE SPACER	12	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 358 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 358 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	42	FT	C		S	C	G7453	3-WF3	15.6
I-N			BKE-3'		BACKFILL TRENCH 3 FOOT DEEP	42	FT	C		S	C		3-WF3	0.6
													C-BC	0.6
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	42	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	3	TN						C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	42	FT	C		S	C	3373.1	3-WF3	0.6
			249664		CONDUIT DB 3 IN 20 FT LENGTH	42	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	42	FT	C		S	C		C-DT	1.1
			X30007		DUMPING FEE	4	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	21	FT	C		S	C		3-WF3	2.1
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	21	FT	C		S	C		SR3AS	0.8
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	21	FT	C		S	C		SR3CS	0.1
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 359 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 359 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA		C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA		C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA		C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT		C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 360 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 360 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	116	FT	C		S	C			SR3AS	3.0
I-N			AB-M18		ASPHALT BASE MECH 18 IN	116	FT	C		S	C			C-BC	3.1
				114201	ASPHALT (BASE)	13	TN		C					SR4AL	3.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	130	FT	C		S	C	G7453		C-BC	5.2
				X20201	TRAFFIC BEARING STEEL PLATE	98	EA		C					C-BH	5.2
				114215	ASPHALT, COLD MIX	2	TN		C					3SWF4	10.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	130	FT	C		S	C			C-DT	11.4
				X30007	DUMPING FEE	33	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	390	FT	C		S	C	G7409		3-WF3	0.8
				656400	SLURRY MIX, 1 SACK SAND	22	CY		C						
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	130	FT	C		S	C	3376.1		3-WF3	1.8
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	3	CY		C						
				249664	CONDUIT DB 3 IN 20 FT LENGTH	130	FT		C						
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	22	EA		C						
				663530	1 IN BASE SPACER	22	EA		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2		3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C			TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C			TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C			3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 361 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 361 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	16	FT	C		S	C	G7405	3-WF3	
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	16	FT	C		S	C	3373.1	3-WF3	0.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	16	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	16	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	12	FT	C		S	C		3-WF3	1.2
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	4	FT	C		S	C		SR3CS	
I-N			BHO3XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	5	FT	C		S	C	3376.1	3-WF3	0.1
			248201		CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
			249664		CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			663528		SPACER INTERMEDIATE 5 IN 2-WAY	1	EA		C					
			663530		1 IN BASE SPACER	1	EA		C					
I-N			1-3SLB		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA		C		S	3373.2	3-WF3	0.1
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 362 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 362 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1		EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1		EA	C						
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1		EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1		EA	C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5		EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5		EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1		CY	C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1		FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 363 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 363 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN						C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT							
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY							
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	15	FT	C		S	C		3-WF3	1.5
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	43	FT	C		S	C		SR3AS	1.1
I-N			AB-M18		ASPHALT BASE MECH 18 IN	43	FT	C		S	C		C-BC	1.2
				114201	ASPHALT (BASE)	5	TN						SR4AL	1.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	73	FT	C		S	C	G7453	C-BC	2.9
				X20201	TRAFFIC BEARING STEEL PLATE	55	EA						C-BH	2.9
				114215	ASPHALT, COLD MIX	1	TN						3SWF4	5.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	73	FT	C		S	C		C-DT	6.4
				X30007	DUMPING FEE	19	CY							
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	48	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	3	CY							
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	219	FT	C		S	C	3376.1	3-WF3	3.1
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	5	CY							
				249664	CONDUIT DB 3 IN 20 FT LENGTH	219	FT							
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	37	EA							
				663530	1 IN BASE SPACER	37	EA							
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA							
				656400	SLURRY MIX, 1 SACK SAND	1	CY							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 363 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 363 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10		FT	C		S	C		13-WF3	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 5,9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 364 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 364 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	22	FT	C		S	C	G7453	3-WF3	8.4
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	22	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	22	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	22	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	22	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	22	FT	C		S	C		C-DT	0.6
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT	C		S	C		3-WF3	1.7
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	6	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	5	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	6	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	6	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	6	FT	C		S	C	3376.1	3-WF3	0.1
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	6	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	2	EA		C					
				663530	1 IN BASE SPACER	2	EA		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 365 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 365 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	26	FT	C			S	C		SR3AS	0.7
I-N			AB-M18		ASPHALT BASE MECH 18 IN	26	FT	C			S	C		C-BC	0.7
				114201	ASPHALT (BASE)	3	TN		C					SR4AL	0.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	33	FT	C			S	C	G7453	C-BC	1.3
				X20201	TRAFFIC BEARING STEEL PLATE	25	EA		C					C-BH	1.3
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	2.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	33	FT	C			S	C		C-DT	2.9
				X30007	DUMPING FEE	9	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	99	FT	C			S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	6	CY		C						
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	33	FT	C			S	C	3376.1	3-WF3	0.5
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C						
				249664	CONDUIT DB 3 IN 20 FT LENGTH	33	FT		C						
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	6	EA		C						
				663530	1 IN BASE SPACER	6	EA		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C			S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C			S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C						
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C			S	C		TC4	0.1
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C			S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C			S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 366 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 366 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFFERED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
			X30007		DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.8
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	20	FT	C		S	C		SR3CS	0.1
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	25	FT	C		S	C		SR3AS	0.7
I-N			AB-M18		ASPHALT BASE MECH 18 IN	25	FT	C		S	C		C-BC	0.7
			114201		ASPHALT (BASE)	3	TN		C				SR4AL	0.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	36	FT	C		S	C	G7453	C-BC	1.4
			X20201		TRAFFIC BEARING STEEL PLATE	27	EA		C				C-BH	1.4
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	2.9
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	36	FT	C		S	C		C-DT	3.2
			X30007		DUMPING FEE	9	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	108	FT	C		S	C	G7409	3-WF3	0.2
			656400		SLURRY MIX, 1 SACK SAND	7	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	36	FT	C		S	C	3376.1	3-WF3	0.5
			248201		CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
			249664		CONDUIT DB 3 IN 20 FT LENGTH	36	FT		C					
			663528		SPACER INTERMEDIATE 5 IN 2-WAY	7	EA		C					
			663530		1 IN BASE SPACER	7	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 366 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 366 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C	3-WF3	1.0	

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 367 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 367 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	173		FT	C		S	C		SR3AS	4.5
I-N			AB-M24		ASPHALT BASE MECH 24 IN	173		FT	C		S	C		SR-3A	4.7
				114201	ASPHALT (BASE)	7		TN		C					
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	178		FT	C		S	C	G7453	C-BC	8.9
				X20201	TRAFFIC BEARING STEEL PLATE	178		EA		C				C-BH	8.9
				114215	ASPHALT, COLD MIX	2		TN		C				3SWF4	17.8
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	178		FT	C		S	C		C-DT	21.4
				X30007	DUMPING FEE	61		CY		C					
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	534		FT	C		S	C	G7409	3-WF3	1.6
				656400	SLURRY MIX, 1 SACK SAND	40		CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	98		FT	C		S	C	3376.1	3-WF3	1.4
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2		CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	98		FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	17		EA		C					
				663530	1 IN BASE SPACER	17		EA		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	8		EA	C		S	C	3373.2	3-WF3	1.3
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	8		EA		C					
				656400	SLURRY MIX, 1 SACK SAND	2		CY		C					
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1		FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1		TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1		FT	C		S	C		TC4	0.1
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5		FT	C		S	C		3-WF3	0.5

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 369 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 369 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	HOURS
					NO DESIGN UNITS FOR THIS LOCATION											

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 370 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 370 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION										

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 371 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 371 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFFERED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT	C		S	C		3-WF3	1.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	16	FT	C		S	C	G7453	C-BC	0.6
			X20201		TRAFFIC BEARING STEEL PLATE	12	EA		C				C-BH	0.6
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	1.3
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	16	FT	C		S	C		C-DT	1.4
			X30007		DUMPING FEE	4	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	48	FT	C		S	C	G7409	3-WF3	0.1
			656400		SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	16	FT	C		S	C	3376.1	3-WF3	0.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	16	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C	SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 372 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 372 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 373 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 373 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	EA	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
						RQD			RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C			S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C			S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C			S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C			S	C		3-WF3	0.1

WORK	FAC														
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES										

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 374 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 374 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3	HD-A	HAND DIG TRENCH 3 FT DEEP AVE	27	FT	C		S	C	G7453	3-WF3	10.2
I-N				BKF-3'	BACKFILL TRENCH 3 FOOT DEEP	27	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	27	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	27	FT	C		S	C	3373.1	3-WF3	0.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	27	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	27	FT	C		S	C		C-DT	0.7
			X30007		DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	22	FT	C		S	C		3-WF3	2.2
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	4	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	3	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.3
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	4	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	1	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	4	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	4	FT	C		S	C	3376.1	3-WF3	0.1
			248201		CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
			249664		CONDUIT DB 3 IN 20 FT LENGTH	4	FT		C					
			663528		SPACER INTERMEDIATE 5 IN 2-WAY	1	EA		C					
			663530		1 IN BASE SPACER	1	EA		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	4	FT	C		S	C		3-WF3	0.4

WORK	FAC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE	DESC		

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 375 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 375 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	27	FT	C		S	C	G7453	3-WF3	10.2
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	27	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	27	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	27	FT	C		S	C	3373.1	3-WF3	0.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	27	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	27	FT	C		S	C		C-DT	0.7
			X30007		DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	27	FT	C		S	C		3-WF3	2.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	4	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	3	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.3
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	4	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	1	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	4	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	4	FT	C		S	C	3376.1	3-WF3	0.1
			248201		CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
			249664		CONDUIT DB 3 IN 20 FT LENGTH	4	FT		C					
			663528		SPACER INTERMEDIATE 5 IN 2-WAY	1	EA		C					
			663530		1 IN BASE SPACER	1	EA		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 376 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 376 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	30	FT	C		S	C		SR3AS	0.8
I-N			AB-M24		ASPHALT BASE MECH 24 IN	30	FT	C		S	C		SR-3A	0.8
				114201	ASPHALT (BASE)	2	TN		C					
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	40	FT	C		S	C	G7453	C-BC	2.0
				X20201	TRAFFIC BEARING STEEL PLATE	40	EA		C				C-BH	2.0
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	4.0
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	40	FT	C		S	C		C-DT	4.8
				X30007	DUMPING FEE	14	CY		C					
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	120	FT	C		S	C	G7409	3-WF3	0.4
				656400	SLURRY MIX, 1 SACK SAND	9	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	55	FT	C		S	C	3376.1	3-WF3	0.8
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	55	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	10	EA		C					
				663530	1 IN BASE SPACER	10	EA		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	3	EA	C		S	C	3373.2	3-WF3	0.5
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	6	FT	C		S	C		3-WF3	0.6
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 377 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 377 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA			C				
I-N		X-XF1P			PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W			TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB			C				
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	6	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	6	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	2	CY			C				

WORK	FAC	FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
I	PD		PAD			D218244	SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 378 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 378 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRR	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	47	FT	C		S	C	G7453	3-WF3	17.4
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	47	FT	C		S	C		3-WF3	0.7
													C-BC	0.7
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	47	FT	C		S	C	G7405	3-WF3	0.1
						3	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	47	FT	C		S	C	3373.1	3-WF3	0.7
						47	FT		C					
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	47	FT	C		S	C		C-DT	1.2
						5	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	47	FT	C		S	C		3-WF3	4.7
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	4	FT	C		S	C	G7453	C-BC	0.2
				114215	ASPHALT, COLD MIX	3	EA		C				C-BH	0.2
						1	TN		C				3SWF4	0.3
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	4	FT	C		S	C		C-DT	0.4
						1	CY		C					
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	4	FT	C		S	C	G7409	3-WF3	
						1	CY		C					
I-N			1EB3IN	248201	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX)	4	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	1	CY		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	4	FT		C					
				663530	1 IN BASE SPACER	1	EA		C					
I-N			1-3SL8	321878	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA	C		S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	1	EA		C					
						1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	4	FT	C		S	C		3-WF3	0.4

WORK	FAC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE	DESC		

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 379 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 379 OF 587

WRK F-C MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK UM	MAT RSP	TIM RSP	ACC TRT	STANDARD PAGE	CREW TYPE	EST HOURS	
I-N	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	27	FT	C		S	C	G7453	3-WF3	10.2
I-N	BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	27	FT	C		S	C		3-WF3	0.4
											C-BC	0.4
I-N	SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	27	FT	C		S	C	G7405	3-WF3	0.1
		611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
											C-DT	0.1
I-N	1DB3-S		1-3 IN DB CONDUIT SEC	27	FT	C		S	C	3373.1	3-WF3	0.4
		249664	CONDUIT DB 3 IN 20 FT LENGTH	27	FT		C					
I-N	R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	27	FT	C		S	C		C-DT	0.7
		X30007	DUMPING FEE	3	CY		C					
I-N	PLANTU		REMOVE/REPLACE LANDSCAPING	27	FT	C		S	C		3-WF3	2.7
I-N	BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
		X20201	TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4
		114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8
I-N	REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
		X30007	DUMPING FEE	3	CY		C					
I-N	SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	10	FT	C		S	C	G7409	3-WF3	
		656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N	1EB3IN		1-3 IN EB CONDUIT CONC ENC	10	FT	C		S	C	3376.1	3-WF3	0.1
		248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
		249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
		663528	SPACER INTERMEDIATE 5 IN 2-WAY	2	EA		C					
		663530	1 IN BASE SPACER	2	EA		C					
I-N	1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
		322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
		656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N	LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N	PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK	FAC											
FUNC	CODE	DESC	EXIST TAG	NEW TAG								CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 380 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 380 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	30	FT		C		S	C		SR3AS	0.8
I-N			AB-M24		ASPHALT BASE MECH 24 IN	30	FT		C		S	C		SR-3A	0.8
				114201	ASPHALT (BASE)	2	TN		C						
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	40	FT		C		S	C	G7453	C-BC	2.0
				X20201	TRAFFIC BEARING STEEL PLATE	40	EA		C					C-BH	2.0
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	4.0
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	40	FT		C		S	C		C-DT	4.8
				X30007	DUMPING FEE	14	CY		C						
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	120	FT		C		S	C	G7409	3-WF3	0.4
				656400	SLURRY MIX, 1 SACK SAND	9	CY		C						
I-N			LEB3IN		1-3 IN EB CONDUIT CONC ENC	63	FT		C		S	C	3376.1	3-WF3	0.9
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY		C						
				249664	CONDUIT DB 3 IN 20 FT LENGTH	63	FT		C						
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	11	EA		C						
				663530	1 IN BASE SPACER	11	EA		C						
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	8	EA		C		S	C	3373.2	3-WF3	1.3
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	8	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 381 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 381 OF 587

WRK	F-C	MU ID	AV ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT	C		S	C	G7453	3-WF3	5.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12'	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	14	FT	C		S	C	G7405	3-WF3	
						1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	14	FT	C		S	C	3373.1	3-WF3	0.2
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	14	FT	C		S	C		C-DT	0.4
						2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	14	FT	C		S	C		3-WF3	1.4
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				114215	TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	EA		C				C-BH	0.2
						1	TN		C				3SWF4	0.4
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
						2	CY		C					
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	5	FT	C		S	C	G7409	3-WF3	
						1	CY		C					
I-N			1EB3IN	248201	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX)	5	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	1	CY		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	1	EA		C					
				663530	1 IN BASE SPACER	1	EA		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 382 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 382 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 383 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 383 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	19	FT	C		S	C	G7453		3-WF3	7.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	19	FT	C		S	C			3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	19	FT	C		S	C	G7405		3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN	C						C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	19	FT	C		S	C	3373.1		3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	19	FT	C							
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	19	FT	C		S	C			C-DT	0.5
			X30007		DUMPING FEE	2	CY	C							
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	4	FT	C		S	C			3-WF3	0.4
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	15	FT	C		S	C			SR3AS	0.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	15	FT	C		S	C			SR3CS	0.1
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	10	FT	C		S	C			SR3AS	0.3
I-N			AB-M18		ASPHALT BASE MECH 18 IN	10	FT	C		S	C			C-BC	0.3
			114201		ASPHALT (BASE)	2	TN	C						SR4AL	0.3
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453		C-BC	0.4
			X20201		TRAFFIC BEARING STEEL PLATE	8	EA	C						C-BH	0.4
			114215		ASPHALT, COLD MIX	1	TN	C						3SWF4	0.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C			C-DT	0.9
			X30007		DUMPING FEE	3	CY	C							
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409		3-WF3	0.1
			656400		SLURRY MIX, 1 SACK SAND	2	CY	C							
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	36	FT	C		S	C	3376.1		3-WF3	0.5
			249664		CONDUIT DB 3 IN 20 FT LENGTH	36	FT	C							
			656400		SLURRY MIX, 1 SACK SAND	1	CY	C							
I-N			1EB3-B		1-3 IN DB 90 D 36 IN R BEND CONC ENC	2	EA	C		S	C	3376.1		3-WF3	0.1
			248201		CONCRETE - 2 SACK (GRAVEL MIX)	1	CY	C							
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C			TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C			TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 383 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 383 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C			S	C		3-WF3	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C			S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C						
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C			S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9,10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 384 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 384 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	24	FT	C		S	C	G7453	3-WF3	9.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	24	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	24	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFFERED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	24	FT	C		S	C	3373.1	3-WF3	0.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	24	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	24	FT	C		S	C		C-DT	0.6
			X30007		DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	24	FT	C		S	C		3-WF3	2.4
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	20	FT	C		S	C		C-BC	0.5
			114201		ASPHALT (BASE)	3	TN		C				SR4AL	0.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	30	FT	C		S	C	G7453	C-BC	1.2
			X20201		TRAFFIC BEARING STEEL PLATE	23	EA		C				C-BH	1.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	2.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	30	FT	C		S	C		C-DT	2.6
			X30007		DUMPING FEE	8	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	90	FT	C		S	C	G7409	3-WF3	0.2
			656400		SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	46	FT	C		S	C	3376.1	3-WF3	0.6
			249664		CONDUIT DB 3 IN 20 FT LENGTH	46	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215		ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 384 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 384 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 385 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 385 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	21	FT	C		S	C	G7453	3-WF3	8.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	21	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	21	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	21	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	21	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	21	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	16	FT	C		S	C		SR3AS	0.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	16	FT	C		S	C		SR3CS	0.1
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	44	FT	C		S	C	3376.1	3-WF3	0.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	44	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 386 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 386 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	16	FT	C		S	C	G7405	3-WF3	
					1	TN	C					C-BH	
												C-DT	
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	16	FT	C		S	C	3373.1	3-WF3	0.2
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	16	FT	C		S	C		C-DT	0.4
					2	CY	C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1	FT	C		S	C		SR3CS	
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.5
I-N		AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	20	FT	C		S	C		C-BC	0.5
					3	TN	C					SR4AL	0.5
I-N		BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	30	FT	C		S	C	G7453	C-BC	1.2
			114215	ASPHALT, COLD MIX	23	EA	C					C-BH	1.2
					1	TN	C					3SWF4	2.4
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	30	FT	C		S	C		C-DT	2.6
					8	CY	C						
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	90	FT	C		S	C	G7409	3-WF3	0.2
					6	CY	C						
I-N		1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	75	FT	C		S	C	3376.1	3-WF3	1.1
			656400	SLURRY MIX, 1 SACK SAND	75	FT	C						
					2	CY	C						
I-N		1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C		S	C	3373.2	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	2	EA	C						
					1	CY	C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 386 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 386 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C	3-WF3	1.0	
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C	TC4	0.1	
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (KING LANE) STREET REPAIR	1	FT	C		S	C	TC4	0.1	

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 387 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 387 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	27	FT	C		S	C	G7453	3-WF3	10.2
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	27	FT	C		S	C		3-WF3	0.4
												C-BC	0.4
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	27	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFFERED	2	TN	C					C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	27	FT	C		S	C	3373.1	3-WF3	0.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	27	FT	C						
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	27	FT	C		S	C		C-DT	0.7
			X30007	DUMPING FEE	3	CY	C						
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	27	FT	C		S	C		SR3AS	1.1
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	27	FT	C		S	C		SR3CS	0.1
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	25	FT	C		S	C		SR3AS	0.7
I-N		AB-M18		ASPHALT BASE MECH 18 IN	25	FT	C		S	C		C-BC	0.7
			114201	ASPHALT (BASE)	3	TN	C					SR4AL	0.7
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	30	FT	C		S	C	G7453	C-BC	1.2
			X20201	TRAFFIC BEARING STEEL PLATE	23	EA	C					C-BH	1.2
			114215	ASPHALT, COLD MIX	1	TN	C					3SWF4	2.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	30	FT	C		S	C		C-DT	2.6
			X30007	DUMPING FEE	8	CY	C						
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	90	FT	C		S	C	G7409	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	6	CY	C						
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	28	FT	C		S	C	3376.1	3-WF3	0.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	28	FT	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		IN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 387 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 387 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10		FT	C		S	C		3-WF3	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1		FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1		TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1		FT	C		S	C		TC4	0.1

WORK	FAC														
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES										

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 388 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 388 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	13	FT	C		S	C		3-WF3	1.3
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	30	FT	C		S	C		SR3AS	0.8
I-N		AB-M18		ASPHALT BASE MECH 18 IN	30	FT	C		S	C		C-BC	0.8
			114201	ASPHALT (BASE)	4	TN		C				SR4AL	0.8
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	50	FT	C		S	C	G7453	C-BC	2.0
			X20201	TRAFFIC BEARING STEEL PLATE	38	EA		C				C-BH	2.0
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	4.0
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	50	FT	C		S	C		C-DT	4.4
			X30007	DUMPING FEE	13	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	150	FT	C		S	C	G7409	3-WF3	0.3
			656400	SLURRY MIX, 1 SACK SAND	9	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	34	FT	C		S	C	3376.1	3-WF3	0.5
			249664	CONDUIT DB 3 IN 20 FT LENGTH	34	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	2	EA	C		S	C	3373.2	3-WF3	0.3
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 388 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 388 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN			C				
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 389 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 389 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	27	FT	C		S	C	G7453	3-WF3	10.2
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	27	FT	C		S	C		3-WF3	0.4
												C-BC	0.4
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	27	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFFERED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	27	FT	C		S	C	3373.1	3-WF3	0.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	27	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	27	FT	C		S	C		C-DT	0.7
			X30007	DUMPING FEE	3	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	27	FT	C		S	C		3-WF3	2.7
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 390 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 390 OF 587

WRK	P-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 391 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATTON 391 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	21	FT	C		S	C	G7453	3-WF3	8.1	
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	21	FT	C		S	C		3-WF3	0.3	
													C-BC	0.3	
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	21	FT	C		S	C	G7405	3-WF3	0.1	
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1	
													C-DT	0.1	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	21	FT	C		S	C	3373.1	3-WF3	0.3	
			249664		CONDUIT DB 3 IN 20 FT LENGTH	21	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	21	FT	C		S	C		C-DT	0.5	
			X30007		DUMPING FEE	2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	21	FT	C		S	C		3-WF3	2.1	
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0	
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 392 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 392 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	13	FT	C		S	C	G7453	3-WF3	5.2
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	13	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	13	FT	C		S	C	G7405	3-WF3	
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	13	FT	C		S	C	3373.1	3-WF3	0.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	13	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	13	FT	C		S	C		C-DT	0.3
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	13	FT	C		S	C		3-WF3	1.3
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	94	FT	C		S	C		SR3AS	2.4
I-N			AB-M18		ASPHALT BASE MECH 18 IN	94	FT	C		S	C		C-BC	2.5
			114201		ASPHALT (BASE)	11	TN		C				SR4AL	2.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	108	FT	C		S	C	G7453	C-BC	4.3
			X20201		TRAFFIC BEARING STEEL PLATE	81	EA		C				C-BH	4.3
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	8.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	108	FT	C		S	C		C-DT	9.5
			X30007		DUMPING FEE	27	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	324	FT	C		S	C	G7409	3-WF3	0.6
			656400		SLURRY MIX, 1 SACK SAND	19	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	108	FT	C		S	C	3376.1	3-WF3	1.5
			249664		CONDUIT DB 3 IN 20 FT LENGTH	108	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 393 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 393 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	11	FT		C		S	C	G7453	C-BC	0.4
			X20201		TRAFFIC BEARING STEEL PLATE	9	EA		C					C-BH	0.4
			114215		ASPHALT, COLD MIX	1	TN		C					3SWF4	0.9
I-N			REM-3		TRENCH SPOIL 3 FT DEPTE	11	FT		C		S	C		C-DT	1.0
			X30007		DUMPING FEE	3	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	33	FT		C		S	C	G7409	3-WF3	0.1
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	127	FT		C		S	C	3376.1	3-WF3	1.8
			248201		CONCRETE - 2 SACK (GRAVEL MIX)	3	CY		C						
			249664		CONDUIT DB 3 IN 20 FT LENGTH	127	FT		C						
			663528		SPACER INTERMEDIATE 5 IN 2-WAY	22	EA		C						
			663530		1 IN BASE SPACER	22	EA		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT		C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 394 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 394 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 395 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 395 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'RD-A		HAND DIG TRENCH 3 FT DEEP AVE	31	FT	C		S	C	G7453	3-WF3	11.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	31	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	31	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	31	FT	C		S	C	3373.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	31	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	31	FT	C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	31	FT	C		S	C		3-WF3	3.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
				X20201	TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
				X30007	DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	10	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 396 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 396 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	37	FT	C		S	C	G7453	3-WF3	13.8
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	37	FT	C		S	C		3-WF3	0.6
													C-BC	0.6
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	37	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	37	FT	C		S	C	3373.1	3-WF3	0.6
			249664		CONDUIT DB 3 IN 20 FT LENGTH	37	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	37	FT	C		S	C		C-DT	0.9
			X30007		DUMPING FEE	4	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	32	FT	C		S	C		3-WF3	3.2
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	3	FT	C		S	C	G7453	C-BC	0.1
			X20201		TRAFFIC BEARING STEEL PLATE	3	EA		C				C-BH	0.1
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	3	FT	C		S	C		C-DT	0.3
			X30007		DUMPING FEE	1	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	9	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	3	FT	C		S	C	3376.1	3-WF3	
			249664		CONDUIT DB 3 IN 20 FT LENGTH	3	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 397 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 397 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
			514240	PAD 1-PHASE XFMR / 3-PHASE P.C. 3421	1	EA	C						
I-N		X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
			812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB	C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	6	EA	C		S	C	3373.2	3-WF3	0.3
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	6	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	2	CY	C						

WORK	FAC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE	DESC		
I	PD	PAD	D218246	SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 398 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 398 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	98	FT	C		S	C	3376.1	3-WF3	1.4
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	98	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	17	EA		C					
			663530	1 IN BASE SPACER	17	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 5,6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 399 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 399 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA							
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA							
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA							
			656400	SLURRY MIX, 1 SACK SAND	1	CY							
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 400 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 400 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
		611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN			C			C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
		249664		CONDUIT DB 3 IN 20 FT LENGTH	17	FT			C				
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
		X30007		DUMPING FEE	2	CY			C				
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT	C		S	C		3-WF3	1.7
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 401 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 401 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
P-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	28	FT	C		S	C		SR3AS	0.7
I-N		AS-M18		ASPHALT BASE & TOP MECH 18 IN	28	FT	C		S	C		C-BC	1.9
			X20022	GRIND ASPHALT (PER SF)	28	SF			C			SR-3A	1.9
			114201	ASPHALT (BASE)	3	TN			C				
			114202	ASPHALT (TOP)	1	TN			C				
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	38	FT	C		S	C	G7453	C-BC	1.5
			X20201	TRAFFIC BEARING STEEL PLATE	29	EA			C			C-BH	1.5
			114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	3.0
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	38	FT	C		S	C		C-DT	3.3
			X30007	DUMPING FEE	10	CY			C				
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	114	FT	C		S	C	G7409	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	7	CY			C				
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	72	FT	C		S	C	3376.1	3-WF3	1.0
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY			C				
			249664	CONDUIT DB 3 IN 20 FT LENGTH	72	FT			C				
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	13	EA			C				
			663530	1 IN BASE SPACER	13	EA			C				
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
			656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN			C				
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5,6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 402 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 402 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	PAGE	TYPE	HOURS	
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	13	FT	C		S	C	G7453	3-WF3	5.2
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	13	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	13	FT	C		S	C	G7405	3-WF3	
						1	TN						C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	13	FT	C		S	C	3373.1	3-WF3	0.2
						13	FT			C				
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	13	FT	C		S	C		C-DT	0.3
						2	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	13	FT	C		S	C		3-WF3	1.3
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	51	FT	C		S	C		SR3AS	1.3
I-N			AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	51	FT	C		S	C		C-BC	1.4
						6	TN			C			SR4AL	1.4
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	70	FT	C		S	C	G7453	C-BC	2.8
				114215	ASPHALT, COLD MIX	53	EA			C			C-BH	2.8
						1	TN			C			3SWF4	5.6
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	70	FT	C		S	C		C-DT	6.2
						18	CY			C				
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	210	FT	C		S	C	G7409	3-WF3	0.4
						12	CY			C				
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	70	FT	C		S	C	3376.1	3-WF3	1.0
				656400	SLURRY MIX, 1 SACK SAND	70	FT			C				
						2	CY			C				
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C		3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	EA			C				
						1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			C			TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			C			TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
LOCATION: 402 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 402 OF 587

WORK	FAC					
FUNC	CODE	DESC	EXIST	TAG	NEW	TAG

CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 403 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 403 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 404 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 404 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453		3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C			3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405		3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1		3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C			C-DT	0.5
				X30007	DUMPING FEE	2	CY		C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	18	FT	C		S	C			SR3AS	0.7
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	18	FT	C		S	C			SR3CS	0.1
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 405 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 405 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST		
E-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS	
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6	
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3	
												C-BC	0.3	
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	17	FT	C		S	C	G7405	3-WF3	0.1	
					1	TN		C				C-BH	0.1	
												C-DT	0.1	
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	17	FT	C		S	C	3373.1	3-WF3	0.3	
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	17	FT	C		S	C		C-DT	0.4	
					2	CY		C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT	C		S	C		3-WF3	1.7	
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	51	FT	C		S	C		SR3AS	1.3	
I-N		AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	51	FT	C		S	C		C-BC	1.4	
					6	TN		C				SR4AL	1.4	
I-N		BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	68	FT	C		S	C	G7453	C-BC	2.7	
			114215	ASPHALT, COLD MIX	51	EA		C				C-BH	2.7	
					1	TN		C				3SWF4	5.4	
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	68	FT	C		S	C		C-DT	6.0	
					17	CY		C						
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	204	FT	C		S	C	G7409	3-WF3	0.4	
					12	CY		C						
I-N		1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	68	FT	C		S	C	3376.1	3-WF3	1.0	
			656400	SLURRY MIX, 1 SACK SAND	68	FT		C						
					2	CY		C						
I-N		1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C		S	C	3373.2	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	2	EA		C						
					1	CY		C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0	
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0	
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0	

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 405 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 405 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 406 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 406 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT	C		S	C	G7453	3-WF3	5.5
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	14	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN	C					C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	14	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	14	FT	C						
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	14	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY	C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	14	FT	C		S	C		3-WF3	1.4
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	35	FT	C		S	C		SR3AS	0.9
I-N		AB-M18		ASPHALT BASE MECH 18 IN	35	FT	C		S	C		C-BC	0.9
			114201	ASPHALT (BASE)	4	TN	C					SR4AL	0.9
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	45	FT	C		S	C	G/453	C-BC	1.8
			X20201	TRAFFIC BEARING STEEL PLATE	34	EA	C					C-BH	1.8
			114215	ASPHALT, COLD MIX	1	TN	C					3SWF4	3.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	45	FT	C		S	C		C-DT	4.0
			X30007	DUMPING FEE	12	CY	C						
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	135	FT	C		S	C	G7409	3-WF3	0.3
			656400	SLURRY MIX, 1 SACK SAND	8	CY	C						
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	25	FT	C		S	C	3376.1	3-WF3	0.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	25	FT	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	3	EA	C		S	C	3373.2	3-WF3	0.5
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	3	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 406 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 406 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		[3-WF3] 1.0	
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4 0.1	
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4 0.1	

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 407 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 407 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
		611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
		249664		CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
		X30007		DUMPING FEE	2	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	17	FT	C		S	C		SR3AS	0.7
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	17	FT	C		S	C		SR3CS	0.1
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	27	FT	C		S	C		SR3AS	0.7
I-N		AB-M18		ASPHALT BASE MECH 18 IN	27	FT	C		S	C		C-BC	0.7
		114201		ASPHALT (BASE)	3	TN		C				SR4AL	0.7
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	44	FT	C		S	C	G7453	C-BC	1.8
		X20201		TRAFFIC BEARING STEEL PLATE	33	EA		C				C-BH	1.8
		114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	3.5
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	44	FT	C		S	C		C-DT	3.9
		X30007		DUMPING FEE	11	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	132	FT	C		S	C	G7409	3-WF3	0.3
		656400		SLURRY MIX, 1 SACK SAND	8	CY		C					
I-N		LEB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	46	FT	C		S	C	3376.1	3-WF3	0.6
		249664		CONDUIT DB 3 IN 20 FT LENGTH	46	FT		C					
		656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
		114215		ASPHALT, COLD MIX	1	TN		C					

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 407 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 407 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
P-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 408 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 408 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	33	FT	C		S	C	G7453	3-WF3	12.4
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	33	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	33	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	33	FT	C		S	C	3373.1	3-WF3	0.5
			249664		CONDUIT DB 3 IN 20 FT LENGTH	33	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	33	FT	C		S	C		C-DT	0.8
			X30007		DUMPING FEE	3	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	33	FT	C		S	C		SR3AS	1.3
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	33	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	12	FT	C		S	C	G7453	C-BC	0.5
			X20201		TRAFFIC BEARING STEEL PLATE	9	EA		C				C-BH	0.5
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	1.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	12	FT	C		S	C		C-DT	1.1
			X30007		DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	36	FT	C		S	C	G7409	3-WF3	0.1
			656400		SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	44	FT	C		S	C	3376.1	3-WF3	0.6
			249664		CONDUIT DB 3 IN 20 FT LENGTH	44	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 409 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 409 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N		BKT-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	12	FT	C		S	C		3-WF3	1.2
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	27	FT	C		S	C		SR3AS	0.7
I-N		AB-M18		ASPHALT BASE MECH 18 IN	27	FT	C		S	C		C-BC	0.7
			114201	ASPHALT (BASE)	3	TN		C				SR4AL	0.7
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	47	FT	C		S	C	G7453	C-BC	1.9
			X20201	TRAFFIC BEARING STEEL PLATE	36	EA		C				C-BH	1.9
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	3.8
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	47	FT	C		S	C		C-DT	4.1
			X30007	DUMPING FEE	12	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	141	FT	C		S	C	G7409	3-WF3	0.3
			656400	SLURRY MIX, 1 SACK SAND	8	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	46	FT	C		S	C	3376.1	3-WF3	0.6
			249664	CONDUIT DB 3 IN 20 FT LENGTH	46	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 409 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 409 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
				114215	ASPHALT, COLD MIX	1		TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT		C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 410 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 410 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT	C			S	C	G7453	3-WF3	5.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT	C			S	C		3-WF3	0.2
														C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	14	FT	C			S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C					C-BH	
														C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	14	FT	C			S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	14	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	14	FT	C			S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	14	FT	C			S	C		3-WF3	1.4
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	27	FT	C			S	C		SR3AS	0.7
I-N			AB-M18		ASPHALT BASE MECH 18 IN	27	FT	C			S	C		C-BC	0.7
				114201	ASPHALT (BASE)	3	TN		C					SR4AL	0.7
I-N			BHO3XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	56	FT	C			S	C	G7453	C-BC	2.2
				X20201	TRAFFIC BEARING STEEL PLATE	42	EA		C					C-BH	2.2
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	4.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	56	FT	C			S	C		C-DT	4.9
				X30007	DUMPING FEE	14	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	168	FT	C			S	C	G7409	3-WF3	0.3
				656400	SLURRY MIX, 1 SACK SAND	10	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	56	FT	C			S	C	3376.1	3-WF3	0.8
				249664	CONDUIT DB 3 IN 20 FT LENGTH	56	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3	0.1
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	2	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C			S	C		3-WF3	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C			S	C		TC4	0.1

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 410 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 410 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST		
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS	
				114215	ASPHALT, COLD MIX	1	TN			C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT			C		S	C	TC4	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 411 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 411 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	354	FT	C		S	C		SR3AS	9.2
I-N			AB-M24		ASPHALT BASE MECH 24 IN	354	FT	C		S	C		SR-3A	9.6
				114201	ASPHALT (BASE)	14	TN		C					
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	354	FT	C		S	C	G7453	C-BC	17.7
				X20201	TRAFFIC BEARING STEEL PLATE	354	EA		C				C-BH	17.7
				114215	ASPHALT, COLD MIX	4	TN		C				3SWF4	35.4
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	354	FT	C		S	C		C-DT	42.5
				X30007	DUMPING FEE	121	CY		C					
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	1064	FT	C		S	C	G7409	3-WF3	3.2
				656400	SLURRY MIX, 1 SACK SAND	79	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	284	FT	C		S	C	3376.1	3-WF3	4.0
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	6	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	284	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	48	EA		C					
				663530	1 IN BASE SPACER	48	EA		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	8	EA	C		S	C	3373.2	3-WF3	1.3
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	8	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9,10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 412 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 412 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	50	FT	C		S	C	G7453	3-WF3	18.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	50	FT	C		S	C		3-WF3	0.8
													C-BC	0.8
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	50	FT	C		S	C	G7405	3-WF3	0.2
			611492		SAND, FILL RECYCLED MATLS PREFERRED	3	TN		C				C-BH	0.2
													C-DT	0.2
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	50	FT	C		S	C	3373.1	3-WF3	0.8
			249664		CONDUIT DB 3 IN 20 FT LENGTH	50	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	50	FT	C		S	C		C-DT	1.3
			X30007		DUMPING FEE	5	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	50	FT	C		S	C		SR3AS	2.0
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	50	FT	C		S	C		SR3CS	0.2
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	20	FT	C		S	C		C-BC	0.5
			114201		ASPHALT (BASE)	3	TN		C				SR4AL	0.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	56	FT	C		S	C	G7453	C-BC	2.2
			X20201		TRAFFIC BEARING STEEL PLATE	42	EA		C				C-BH	2.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	4.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	56	FT	C		S	C		C-DT	4.9
			X30007		DUMPING FEE	14	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	168	FT	C		S	C	G7409	3-WF3	0.3
			656400		SLURRY MIX, 1 SACK SAND	10	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	47	FT	C		S	C	3376.1	3-WF3	0.7
			249664		CONDUIT DB 3 IN 20 FT LENGTH	47	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLs		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	3	EA		C		S	C	3373.2	3-WF3
			322144		BEND CONDUIT DB 3 IN 22.5 D 25 FT R	3	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 412 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 412 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10		FT	C		S	C		3-WF3	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 9,10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 413 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 413 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION										

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 2

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 414 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 414 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	30	FT	C		S	C	G7453	3-WF3	11.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	30	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	30	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	30	FT	C		S	C	3373.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	30	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	30	FT	C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	30	FT	C		S	C		3-WF3	3.0
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	7	FT	C		S	C	G7453	C-BC	0.3
				X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	7	FT	C		S	C		C-DT	0.6
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	21	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	7	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	7	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 415 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 415 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 416 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 416 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	30	FT	C		S	C		SR3AS	0.8
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	30	FT	C		S	C		C-BC	2.0
				X20022	GRIND ASPHALT (PER SF)	30	SF		C				SR-3A	2.0
				114201	ASPHALT (BASE)	3	TN		C					
				114202	ASPHALT (TOP)	1	TN		C					
I-N			BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	30	FT	C		S	C	G7453	C-BC	1.2
				X20201	TRAFFIC BEARING STEEL PLATE	23	EA		C				C-BH	1.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	30	FT	C		S	C		C-DT	2.6
				X30007	DUMPING FEE	8	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	90	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	30	FT	C		S	C	3376.1	3-WF3	0.4
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	30	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	6	EA		C					
				663530	1 IN BASE SPACER	6	EA		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	8	EA	C		S	C	3373.2	3-WF3	1.3
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	8	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 417 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 417 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
			514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA		C					
I-N		X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
			812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218245	SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 418 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 418 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	34	FT	C		S	C	G7453	3-WF3	12.7
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	34	FT	C		S	C		3-WF3	0.5
												C-BC	0.5
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	34	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	34	FT	C		S	C	3373.1	3-WF3	0.5
			249664	CONDUIT DB 3 IN 20 FT LENGTH	34	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	34	FT	C		S	C		C-DT	0.9
			X30007	DUMPING FEE	4	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	29	FT	C		S	C		3-WF3	2.9
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.5
I-N		AB-M18		ASPHALT BASE MECH 18 IN	20	FT	U		S	C		C-BC	0.5
			114201	ASPHALT (BASE)	3	TN		U				SR4AL	0.5
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	30	FT	C		S	C	G7453	C-BC	1.2
			X20201	TRAFFIC BEARING STEEL PLATE	23	EA		C				C-BH	1.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	30	FT	C		S	C		C-DT	2.6
			X30007	DUMPING FEE	8	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	90	FT	C		S	C	G7409	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	67	FT	C		S	C	3376.1	3-WF3	0.9
			249664	CONDUIT DB 3 IN 20 FT LENGTH	67	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	3	EA	C		S	C	3373.2	3-WF3	0.5
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	3	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 418 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 418 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 419 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 419 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	37	FT		C		S	C	G7453	3-WF3	13.8
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	37	FT		C		S	C		3-WF3	0.6
														C-BC	0.6
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	37	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C					C-BH	0.1
														C-DT	0.1
I-N			LDB3-S		1-3 IN DB CONDUIT SEC	37	FT		C		S	C	3373.1	3-WF3	0.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	37	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	37	FT		C		S	C		C-DT	0.9
				X30007	DUMPING FEE	4	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	37	FT		C		S	C		3-WF3	3.7
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	26	FT		C		S	C		SR3AS	0.7
I-N			AB-M18		ASPHALT BASE MECH 18 IN	26	FT		C		S	C		C-BC	0.7
				114201	ASPHALT (BASE)	3	TN		C					SR4AL	0.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	36	FT		C		S	C	G7453	C-BC	1.4
				X20201	TRAFFIC BEARING STEEL PLATE	27	EA		C					C-BH	1.4
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	2.9
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	36	FT		C		S	C		C-DT	3.2
				X30007	DUMPING FEE	9	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	108	FT		C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	7	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	82	FT		C		S	C	3376.1	3-WF3	1.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	82	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	3	EA		C		S	C	3373.2	3-WF3	0.5
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	3	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 419 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 419 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C			3-WF3	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 420 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 420 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	60	FT	C		S	C	G7453	3-WF3	22.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	60	FT	C		S	C		3-WF3	0.9
													C-BC	0.9
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	60	FT	C		S	C	G7405	3-WF3	0.2
				611492	SAND, FILL RECYCLED MATLS PREFERRED	4	TN			C			C-BH	0.2
													C-DT	0.2
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	60	FT	C		S	C	3373.1	3-WF3	0.9
				249664	CONDUIT DB 3 IN 20 FT LENGTH	60	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	60	FT	C		S	C		C-DT	1.5
				X30007	DUMPING FEE	6	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	60	FT	C		S	C		3-WF3	6.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 421 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 421 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC					CONSTRUCTION NOTES
FUNC	CODE	DESC	EXIST TAG	NEW TAG		

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 422 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 422 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	151		FT	C		S	C		SR3AS	3.9
I-N			AB-M18		ASPHALT BASE MECH 18 IN	151		FT	C		S	C		C-BC	4.1
				114201	ASPHALT (BASE)	17		TN		C				SR4AL	4.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	156		FT	C		S	C	G7453	C-BC	6.2
				X20201	TRAFFIC BEARING STEEL PLATE	117		EA		C				C-BH	6.2
				114215	ASPHALT, COLD MIX	2		TN		C				3SWF4	12.5
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	156		FT	C		S	C		C-DT	13.7
				X30007	DUMPING FEE	39		CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	468		FT	C		S	C	G7409	3-WF3	0.9
				656400	SLURRY MIX, 1 SACK SAND	27		CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	96		FT	C		S	C	3376.1	3-WF3	1.3
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2		CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	96		FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	17		EA		C					
				663530	1 IN BASE SPACER	17		EA		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	6		EA	C		S	C	3373.2	3-WF3	1.0
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	6		EA		C					
				656400	SLURRY MIX, 1 SACK SAND	2		CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10		FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 423 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 423 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN			C			C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT			C				
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
			X30007	DUMPING FEE	2	CY			C				
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	20	FT	C		S	C		3-WF3	2.0
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 424 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 424 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT		C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	20	FT		C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT		C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	16	FT		C		S	C		3-WF3	1.6
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4	FT		C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	4	FT		C		S	C		SR3CS	
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 425 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 425 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N			X09H26	162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
				656400	BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	5	EA	C						
						1	CY	C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 426 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 426 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
												PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	120	FT	C		S	C		SR3AS	3.1
I-N			AB-M18		ASPHALT BASE MECH 18 IN	120	FT	C		S	C		C-BC	3.2
				114201	ASPHALT (BASE)	13	TN	C					SR4AL	3.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	124	FT	C		S	C	G7453	C-BC	5.0
				X20201	TRAFFIC BEARING STEEL PLATE	93	EA	C					C-BH	5.0
				114215	ASPHALT, COLD MIX	2	TN	C					3SWF4	9.9
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	124	FT	C		S	C		C-DT	10.9
				X30007	DUMPING FEE	31	CY	C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	372	FT	C		S	C	G7409	3-WF3	0.7
				656400	SLURRY MIX, 1 SACK SAND	21	CY	C						
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	124	FT	C		S	C	3376.1	3-WF3	1.7
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	3	CY	C						
				249664	CONDUIT DB 3 IN 20 FT LENGTH	124	FT	C						
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	21	EA	C						
				663530	1 IN BASE SPACER	21	EA	C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6,10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 427 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 427 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N		X09H26	162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N		1-3SLB	322048 656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	6	EA	C		S	C	3373.2	3-WF3	0.3
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 428 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 428 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	28	FT	C		S	C	G7453	3-WF3	10.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	28	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	28	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	28	FT	C		S	C	3373.1	3-WF3	0.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	28	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	28	FT	C		S	C		C-DT	0.7
			X30007		DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	28	FT	C		S	C		3-WF3	2.8
I-N			BHO3XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 429 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 429 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT	C		S	C	G7453	3-WF3	5.5
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	14	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		IDB3-S		1-3 IN DB CONDUIT SEC	14	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	14	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	14	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4	FT	C		S	C		SR3AS	0.2
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	4	FT	C		S	C		SR3CS	
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG									CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 430 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 430 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	98	FT	C			S	C		SR3AS	2.5
I-N			AB-M18		ASPHALT BASE MECH 18 IN	98	FT	C			S	C		G-BC	2.6
				114201	ASPHALT (BASE)	11	TN				C			SR4AL	2.6
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	98	FT	C			S	C	G7453	C-BC	3.9
				X20201	TRAFFIC BEARING STEEL PLATE	74	EA				C			C-BH	3.9
				114215	ASPHALT, COLD MIX	1	TN				C			3SWF4	7.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	98	FT	C			S	C		C-DT	8.6
				X30007	DUMPING FEE	25	CY				C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	294	FT	C			S	C	G7409	3-WF3	0.6
				656400	SLURRY MIX, 1 SACK SAND	17	CY				C				
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	109	FT	C			S	C	3376.1	3-WF3	1.5
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	3	CY				C				
				249664	CONDUIT DB 3 IN 20 FT LENGTH	109	FT				C				
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	19	EA				C				
				663530	1 IN BASE SPACER	19	EA				C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C			S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA				C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY				C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C			S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C			S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 431 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 431 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
			514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA		C					
I-N		X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
			812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	6	EA	C		S	C	3373.2	3-WF3	0.3
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	6	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218247	SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 432 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 432 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND ~ 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN						C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	18	FT	C		S	C		3-WF3	1.8
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 433 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 433 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-AI		HAND DIG TRENCH 3 FT DEEP AVE	41	FT	C		S	C	G7453	3-WF3	15.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	41	FT	C		S	C		3-WF3	0.6
													C-BC	0.6
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	41	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	3	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	41	FT	C		S	C	3373.1	3-WF3	0.6
			249664		CONDUIT DB 3 IN 20 FT LENGTH	41	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	41	FT	C		S	C		C-DT	1.0
			X30007		DUMPING FEE	4	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	41	FT	C		S	C		SR3AS	1.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	41	FT	C		S	C		SR3CS	0.2
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
			X20201		TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
			X30007		DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	10	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 434 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 434 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	137	FT	C		S	C	3376.1	3-WF3	1.9
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	3	CY	C						
			249664	CONDUIT DB 3 IN 20 FT LENGTH	137	FT	C						
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	23	EA	C						
			663530	1 IN BASE SPACER	23	EA	C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 435 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 435 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST		
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS	
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	13	FT	C		S	C	G7453	3-WF3	5.2	
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	13	FT	C		S	C		3-WF3	0.2	
													C-BC	0.2	
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	13	FT	C		S	C	G7405	3-WF3		
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH		
													C-DT		
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	13	FT	C		S	C	3373.1	3-WF3	0.2	
			249664		CONDUIT DB 3 IN 20 FT LENGTH	13	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	13	FT	C		S	C		C-DT	0.3	
			X30007		DUMPING FEE	2	CY		C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	13	FT	C		S	C		SR3AS	0.5	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	13	FT	C		S	C		SR3CS	0.1	
I-N			BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	13	FT	C		S	C	G7453	C-BC	0.5	
			X20201		TRAFFIC BEARING STEEL PLATE	10	EA		C				C-BH	0.5	
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	1.0	
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	13	FT	C		S	C		C-DT	1.1	
			X30007		DUMPING FEE	4	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	29	FT	C		S	C	G7409	3-WF3	0.1	
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	76	FT	C		S	C	3376.1	3-WF3	1.1	
			249664		CONDUIT DB 3 IN 20 FT LENGTH	76	FT		C						
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0	
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0	

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 436 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 436 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT	C		S	C	G7453	3-WF3	5.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	14	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN						C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	14	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	14	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	14	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	14	FT	C		S	C		3-WF3	1.4

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 437 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 437 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 438 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 438 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	30	FT	C		S	C		SR3AS	0.8
I-N		AB-M18		ASPHALT BASE MECH 18 IN	30	FT	C		S	C		C-BC	0.8
			114201	ASPHALT (BASE)	4	TN		C				SR4AL	0.8
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	46	FT	C		S	C	G7453	C-BC	1.8
			X20201	TRAFFIC BEARING STEEL PLATE	35	EA		C				C-BH	1.8
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	3.7
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	46	FT	C		S	C		C-DT	4.0
			X30007	DUMPING FEE	12	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	138	FT	C		S	C	G7409	3-WF3	0.3
			656400	SLURRY MIX, 1 SACK SAND	8	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	46	FT	C		S	C	3376.1	3-WF3	0.6
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	46	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	8	EA		C					
			663530	1 IN BASE SPACER	8	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		KING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		KING/S		TRAFFIC COND. (KING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 439 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 439 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	397	FT	C		S	C		SR3AS	10.3
I-N		AB-M24		ASPHALT BASE MECH 24 IN	397	FT	C		S	C		SR-3A	10.7
			114201	ASPHALT (BASE)	15	TN		C					
I-N		BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	397	FT	C		S	C	G7453	C-BC	19.9
			X20201	TRAFFIC BEARING STEEL PLATE	397	EA		C				C-BH	19.9
			114215	ASPHALT, COLD MIX	4	TN		C				3SWF4	39.7
I-N		REM-4'		TRENCH SPOIL 4 FT DEPTH	397	FT	C		S	C		C-DT	47.6
			X30007	DUMPING FEE	135	CY		C					
I-N		SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	1191	FT	C		S	C	G7409	3-WF3	3.6
			656400	SLURRY MIX, 1 SACK SAND	89	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	397	FT	C		S	C	3376.1	3-WF3	5.6
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	8	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	397	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	67	EA		C					
			663530	1 IN BASE SPACER	67	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5,6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 440 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 440 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	24	FT	C		S	C	G7453	3-WF3	9.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	24	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	24	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	24	FT	C		S	C	3373.1	3-WF3	0.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	24	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	24	FT	C		S	C		C-DT	0.6
				X30007	DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	24	FT	C		S	C		3-WF3	2.4
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4
				X20201	TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9
				X30007	DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	10	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG										CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 441 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 441 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 442 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 442 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	103	FT	C		S	C	3376.1	3-WF3	1.4
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY			C				
				249664	CONDUIT DB 3 IN 20 FT LENGTH	103	FT			C				
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	18	EA			C				
				663530	1 IN BASE SPACER	18	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 443 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 443 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA	C						
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA	C						
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 444 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 444 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N			1DB3SB		1-3 IN DB 90 D 36 IN R BEND SEC	1	EA	C		S	C	3373.2	3-WF3	
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT	C		S	C		3-WF3	1.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	5	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	15	FT	C		S	C	3376.1	3-WF3	0.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 445 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 445 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	32	FT		C		S	C	G7453	3-WF3	12.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	32	FT		C		S	C		3-WF3	0.5
														C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	32	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREPPERED	2	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	32	FT		C		S	C	3373.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	32	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	32	FT		C		S	C		C-DT	0.8
				X30007	DUMPING FEE	3	CY		C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	32	FT		C		S	C		SR3AS	1.3
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	32	FT		C		S	C		SR3CS	0.1
I-N			BHO3XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT		C		S	C	G7453	C-BC	0.4
				X20201	TRAFFIC BEARING STEEL PLATE	8	EA		C					C-BH	0.4
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	0.8
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT		C		S	C		C-DT	0.9
				X30007	DUMPING FEE	3	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT		C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	10	FT		C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URRAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 446 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 446 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	8	FT	C		S	C	G7453	3-WF3	3.4
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	8	FT	C		S	C		3-WF3	0.1
												C-BC	0.1
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	8	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	8	FT	C		S	C	3373.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	8	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	8	FT	C		S	C		C-DT	0.2
			X30007	DUMPING FEE	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	8	FT	C		S	C		3-WF3	0.8
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	5	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	15	FT	C		S	C	3376.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 447 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 447 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	25	FT	C		S	C	G7453	3-WF3	9.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	25	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	25	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	25	FT	C		S	C	3373.1	3-WF3	0.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	25	FT		C					
I-N			R-XCBS		EXCESS TRENCH SPOIL (12 IN DEEP)	25	FT	C		S	C		C-DT	0.6
			X30007		DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	25	FT	C		S	C		3-WF3	2.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 448 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 448 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	24	FT	C		S	C	G7453	3-WF3	9.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	24	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	24	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	21	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	24	FT	C		S	C	3373.1	3-WF3	0.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	24	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	24	FT	C		S	C		C-DT	0.6
				X30007	DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	24	FT	C		S	C		3-WF3	2.4
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	7	FT	C		S	C	G7453	C-BC	0.3
				X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	7	FT	C		S	C		C-DT	0.6
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	21	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	7	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	7	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 449 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 449 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 450 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 450 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					ROD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	112	FT	C		S	C		SR3AS	2.9
I-N		AB-M18		ASPHALT BASE MECH 18 IN	112	FT	C		S	C		C-BC	3.0
			114201	ASPHALT (BASE)	13	TN		C				SR4AL	3.0
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	122	FT	C		S	C	G7453	C-BC	4.9
			X20201	TRAFFIC BEARING STEEL PLATE	92	EA		C				C-BH	4.9
			114215	ASPHALT, COLD MIX	2	TN		C				3SWF4	9.8
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	122	FT	C		S	C		C-DT	10.7
			X30007	DUMPING FEE	31	CY		C					
I-N		SLR-18'		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	366	FT	C		S	C	G7409	3-WF3	0.7
			656400	SLURRY MIX, 1 SACK SAND	21	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	122	FT	C		S	C	3376.1	3-WF3	1.7
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	3	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	122	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	21	EA		C					
			663530	1 IN BASE SPACER	21	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 451 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 451 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT	C		S	C	G7453	3-WF3	5.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	14	FT	C		S	C	G7405	3-WF3	
						1	TN	C					C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	14	FT	C		S	C	3373.1	3-WF3	0.2
						14	FT	C						
I-N			R-XCBS	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	14	FT	C		S	C		C-DT	0.4
						2	CY	C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1	FT	C		S	C		SR3CS	
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				114215	TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	4	EA	C					C-BH	0.2
						1	TN	C					3SWF4	0.4
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	5	FT	C		S	C		C-DT	0.4
						2	CY	C						
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	5	FT	C		S	C	G7409	3-WF3	
						1	CY	C						
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	15	FT	C		S	C	3376.1	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	15	FT	C						
						1	CY	C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 452 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 452 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 453 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 453 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N		EKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
												C-BC	0.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	16	FT	C		S	C	G7405	3-WF3	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
												C-DT	
I-N		IDB3-S		1-3 IN DB CONDUIT SEC	16	FT	C		S	C	3373.1	3-WF3	0.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	16	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	16	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	11	FT	C		S	C		3-WF3	1.1
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N		ICF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5	FT	C		S	C		SR3CS	
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 454 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 454 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT	C		S	C		3-WF3	1.7
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	7	FT	C		S	C	G7453	C-BC	0.3
			X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	7	FT	C		S	C		C-DT	0.6
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	21	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	7	FT	C		S	C	3376.1	3-WF3	0.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	7	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 455 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 455 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	9	FT	C		S	C	G7453	C-BC	0.4
			X20201		TRAFFIC BEARING STEEL PLATE	7	EA	C					C-BH	0.4
			114215		ASPHALT, COLD MIX	1	TN	C					3SWF4	0.7
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	9	FT	C		S	C		C-DT	0.8
			X30007		DUMPING FEE	3	CY	C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	27	FT	C		S	C	G7409	3-WF3	0.1
			656400		SLURRY MIX, 1 SACK SAND	2	CY	C						
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	9	FT	C		S	C	3376.1	3-WF3	0.1
			248201		CONCRETE - 2 SACK (GRAVEL MIX)	1	CY	C						
			249664		CONDUIT DB 3 IN 20 FT LENGTH	9	FT	C						
			663528		SPACER INTERMEDIATE 5 IN 2-WAY	2	EA	C						
			663530		1 IN BASE SPACER	2	EA	C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 456 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 456 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
			514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA	C						
I-N		X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
			812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N		1-2SLB		1-2 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			321812	BEND CONDUIT DB 2 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218297	SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 457 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 457 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	23	FT	C		S	C	G7453	3-WF3	8.8
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	23	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	23	FT	C		S	C	G7405	3-WF3	0.1
						2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	23	FT	C		S	C	3373.1	3-WF3	0.3
						23	FT		C					
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	23	FT	C		S	C		C-DT	0.6
						3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	19	FT	C		S	C		3-WF3	1.9
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	4	FT	C		S	C		SR3CS	
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	12	FT	C		S	C		SR3AS	0.3
I-N			AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	12	FT	U		S	C		C-BC	0.3
						2	TN		U				SR4AL	0.3
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	24	FT	C		S	C	G7453	C-BC	1.0
				114215	ASPHALT, COLD MIX	18	EA		C				C-BH	1.0
						1	TN		C				3SWF4	1.9
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	24	FT	C		S	C		C-DT	2.1
						6	CY		C					
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	76	FT	C		S	C	G7409	3-WF3	0.2
						5	CY		C					
I-N			1EB3IN	248201	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX)	78	FT	C		S	C	3376.1	3-WF3	1.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	2	CY		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	78	FT		C					
				663530	1 IN BASE SPACER	14	EA		C					
						14	EA		C					
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C		S	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	EA		C					
						1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 457 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 457 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10		FT	C		S	C		3-WF3	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10		FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1		EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1		CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 458 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 458 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	227	FT	C		S	C	3376.1	3-WF3	3.2
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	5	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	227	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	38	EA		C					
				663530	1 IN BASE SPACER	38	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 459 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 459 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	510	FT	C		S	C		SR3AS	13.3
I-N			AB-M24		ASPHALT BASE MECH 24 IN	510	FT	C		S	C		SR-3A	13.8
				114201	ASPHALT (BASE)	19	TN			C				
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	516	FT	C		S	C	G7453	C-BC	25.8
				X20201	TRAFFIC BEARING STEEL PLATE	516	EA			C			C-BH	25.8
				114215	ASPHALT, COLD MIX	5	TN			C			3SWF4	51.6
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	516	FT	C		S	C		C-DT	61.9
				X30007	DUMPING FEE	176	CY			C				
I-N			SLR-24'		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	1548	FT	C		S	C	G7409	3-WF3	4.6
				656400	SLURRY MIX, 1 SACK SAND	115	CY			C				
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	510	FT	C		S	C	3376.1	3-WF3	7.1
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	10	CY			C				
				249664	CONDUIT DB 3 IN 20 FT LENGTH	510	FT			C				
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	86	EA			C				
				663530	1 IN BASE SPACER	86	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6,10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 460 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 460 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	23	FT	C		S	C	G7453	3-WF3	8.8
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	23	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	23	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	23	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	23	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	23	FT	C		S	C		C-DT	0.6
			X30007	DUMPING FEE	3	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	23	FT	C		S	C		3-WF3	2.3
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	17	FT	C		S	C		SR3AS	0.4
I-N		AB-M18		ASPHALT BASE MECH 18 IN	17	FT	C		S	C		C-BC	0.5
			114201	ASPHALT (BASE)	2	TN		C				SR4AL	0.5
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	27	FT	C		S	C	G7453	C-BC	1.1
			X20201	TRAFFIC BEARING STEEL PLATE	21	EA		C				C-BH	1.1
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.2
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	27	FT	C		S	C		C-DT	2.4
			X30007	DUMPING FEE	7	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	81	FT	C		S	C	G7409	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	5	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	33	FT	C		S	C	3376.1	3-WF3	0.5
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	33	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	6	EA		C					
			663530	1 IN BASE SPACER	6	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	3	EA	C		S	C	3373.2	3-WF3	0.5
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	3	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 460 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 460 OF 587

WRK	F-C	MU ID	AJ ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10		FT	C		S	C		3-WF3	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10		FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1		EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1		CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 461 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 461 OF 587

WRK	MAT	TIM	ACC	STANDARD	CREW	EST					
[F-C]	[UM]	[RSP]	[RSP]	[TRT]	[TRT]	[PAGE]	[TYPE]	[HOURS]			
I-N	3'HD-A			HAND DIG TRENCH 3 FT DEEP AVE	19 FT	C	S	C	G7453	3-WF3	7.3
I-N	BKF-3'			BACKFILL TRENCH 3 FOOT DEEP	19 FT	C	S	C		3-WF3	0.3
										C-BC	0.3
I-N	SHD-12			SHADE TRENCH WITH SAND - 12 INCH WIDTH	19 FT	C	S	C	G7405	3-WF3	0.1
	611492			SAND, FILL RECYCLED MATLS PREFERRED	1 TN	C				C-BH	0.1
										C-DT	0.1
I-N	1DB3-S			1-3 IN DB CONDUIT SEC	19 FT	C	S	C	3373.1	3-WF3	0.3
	249664			CONDUIT DB 3 IN 20 FT LENGTH	19 FT	C					
I-N	R-XCES			EXCESS TRENCH SPOIL (12 IN DEEP)	19 FT	C	S	C		C-DT	0.5
	X30007			DUMPING FEE	2 CY	C					
I-N	PLANTU			REMOVE/REPLACE LANDSCAPING	14 FT	C	S	C		3-WF3	1.4
I-N	CC-2CT			CONCRETE 2 SAW CUT AND BREAK MECH	5 FT	C	S	C		SR3AS	0.2
I-N	CF-H12			FINISH CONCRETE SURFACE MAN 12 IN	5 FT	C	S	C		SR3CS	
I-N	AS-2CT			ASPHALT 2 SAW CUT AND BREAK MECH	12 FT	C	S	C		SR3AS	0.3
I-N	AB-M18			ASPHALT BASE MECH 18 IN	12 FT	C	S	C		C-BC	0.3
	114201			ASPHALT (BASE)	2 TN	C				SR4AL	0.3
I-N	BH03XH			MACH DIG TRENCH 3 FT DEEP BACKHOE	24 FT	C	S	C	G7453	C-BC	1.0
	X20201			TRAFFIC BEARING STEEL PLATE	18 EA	C				C-BH	1.0
	114215			ASPHALT, COLD MIX	1 TN	C				3SWF4	1.9
I-N	REM-3'			TRENCH SPOIL 3 FT DEPTH	24 FT	C	S	C		C-DT	2.1
	X30007			DUMPING FEE	6 CY	C					
I-N	SLR-18			BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	76 FT	C	S	C	G7409	3-WF3	0.2
	656400			SLURRY MIX, 1 SACK SAND	5 CY	C					
I-N	1EB3IN			1-3 IN EB CONDUIT CONC ENC	33 FT	C	S	C	3376.1	3-WF3	0.5
	248201			CONCRETE - 2 SACK (GRAVEL MIX)	1 CY	C					
	249664			CONDUIT DB 3 IN 20 FT LENGTH	33 FT	C					
	663528			SPACER INTERMEDIATE 5 IN 2-WAY	6 EA	C					
	663530			1 IN BASE SPACER	6 EA	C					
I-N	1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1 EA	C	S	C	3373.2	3-WF3	0.1
	322048			BEND CONDUIT DB 3 IN 90 D 36 IN R	1 EA	C					
	656400			SLURRY MIX, 1 SACK SAND	1 CY	C					
I-N	1-3SLS			1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	3 EA	C	S	C	3373.2	3-WF3	0.5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 461 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 461 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	3	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT		C		S	C		3-WF3	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 462 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 462 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	34	FT	C		S	C	G7453	3-WF3	12.7
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	34	FT	C		S	C		3-WF3	0.5
												C-BC	0.5
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	34	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	34	FT	C		S	C	3373.1	3-WF3	0.5
			249664	CONDUIT DB 3 IN 20 FT LENGTH	34	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	34	FT	C		S	C		C-DT	0.9
			X30007	DUMPING FEE	4	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	34	FT	C		S	C		3-WF3	3.4
I-N		BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	44	FT	C		S	C	G7453	C-BC	1.8
			X20201	TRAFFIC BEARING STEEL PLATE	33	EA		C				C-BH	1.8
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	3.5
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	44	FT	C		S	C		C-DT	3.9
			X30007	DUMPING FEE	11	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	134	FT	C		S	C	G7409	3-WF3	0.3
			656400	SLURRY MIX, 1 SACK SAND	8	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	44	FT	C		S	C	3376.1	3-WF3	0.6
			249664	CONDUIT DB 3 IN 20 FT LENGTH	44	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 463 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 463 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1		EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1		EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1		EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1		EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4		EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4		EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1		CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1		FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 464 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 464 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	18	FT	C		S	C		SR3AS	0.7
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	18	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	7	FT	C		S	C	G7453	C-BC	0.3
				X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	7	FT	C		S	C		C-DT	0.6
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	21	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	7	FT	C		S	C	3376.1	3-WF3	0.1
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	7	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	2	EA		C					
				663530	1 IN BASE SPACER	2	EA		C					
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C	SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 465 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 465 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	19	FT	C		S	C	G7453	3-WF3	7.3	
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	19	FT	C		S	C		3-WF3	0.3	
													C-BC	0.3	
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	19	FT	C		S	C	G7405	3-WF3	0.1	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1	
													C-DT	0.1	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	19	FT	C		S	C	3373.1	3-WF3	0.3	
				249664	CONDUIT DB 3 IN 20 FT LENGTH	19	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	19	FT	C		S	C		C-DT	0.5	
				X30007	DUMPING FEE	2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	4	FT	C		S	C		3-WF3	0.4	
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	15	FT	C		S	C		SR3AS	0.6	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	15	FT	C		S	C		SR3CS	0.1	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	10	FT	C		S	C	G7453	C-BC	0.4	
				X20201	TRAFFIC BEARING STEEL PLATE	8	EA		C				C-BH	0.4	
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.8	
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	10	FT	C		S	C		C-DT	0.9	
				X30007	DUMPING FEE	3	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	30	FT	C		S	C	G7409	3-WF3	0.1	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	10	FT	C		S	C	3376.1	3-WF3	0.1	
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C						
				249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT		C						
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	2	EA		C						
				663530	1 IN BASE SPACER	2	EA		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3	
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5	
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	2	EA		C		S	C	SR3CS	2.0	
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0	

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 465 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 465 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N	LN/S/S					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C	TC4	1.0	

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 466 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 466 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AB-M18		ASPHALT BASE MECH 18 IN	27	FT	C		S	C		C-BC	0.7
				114201	ASPHALT (BASE)	3	TN						SR4AL	0.7
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	27	FT	C		S	C		SR3AS	0.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	33	FT	C		S	C	G7453	C-BC	1.3
				X20201	TRAFFIC BEARING STEEL PLATE	25	EA						C-BH	1.3
				114215	ASPHALT, COLD MIX	1	TN						3SWF4	2.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	33	FT	C		S	C		C-DT	2.9
				X30007	DUMPING FEE	9	CY							
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	99	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	6	CY							
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	33	FT	C		S	C	3376.1	3-WF3	0.5
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY							
				249664	CONDUIT DB 3 IN 20 FT LENGTH	33	FT							
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	6	EA							
				663530	1 IN BASE SPACER	6	EA							
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 467 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 467 OF 587

WRK	MAT	TIM	ACC	STANDARD	CREW	EST		
F-C	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N	3'HD-A							
I-N	BKF-3'							
I-N	SHD-12							
	611492							
I-N	1DB3-S							
	249664							
I-N	1DB3SB							
	322048							
I-N	R-XCES							
	X30007							
I-N	PLANTU							
I-N	CC-2CT							
I-N	CF-H12							
I-N	BH03XH							
	X20201							
	114215							
I-N	REM-3'							
	X30007							
I-N	SLR-18							
	656400							
I-N	1EB3IN							
	248201							
	249664							
	663528							
	663530							
I-N	1-3SL8							
	321878							
	656400							
I-N	SAW-CC							
I-N	CC-WLK							

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 467 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 467 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1		CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 468 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 468 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 469 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 469 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	17	FT	C		S	C		3-WF3	1.7
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	12	FT	C		S	C		SR3AS	0.3
I-N			AB-M18		ASPHALT BASE MECH 18 IN	12	FT	C		S	C		C-BC	0.3
				114201	ASPHALT (BASE)	2	TN		C				SR4AL	0.3
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	24	FT	C		S	C	G7453	C-BC	1.0
				X20201	TRAFFIC BEARING STEEL PLATE	18	EA		C				C-BH	1.0
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	1.9
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	24	FT	C		S	C		C-DT	2.1
				X30007	DUMPING FEE	6	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	76	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	5	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	72	FT	C		S	C	3376.1	3-WF3	1.0
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	72	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	13	EA		C					
				663530	1 IN BASE SPACER	13	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 469 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 469 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			SAW-CC		SAW CUT CONCRETE	10		FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1		EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1		CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6,10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 470 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 470 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	16	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	16	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	16	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	16	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	6	FT	C		S	C		SR3AS	0.2
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	6	FT	C		S	C		SR3CS	
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	15	FT	C		S	C		SR3AS	0.4
I-N			AB-M18		ASPHALT BASE MECH 18 IN	15	FT	C		S	C		C-BC	0.4
				114201	ASPHALT (BASE)	2	TN		C				SR4AL	0.4
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	25	FT	C		S	C	G7453	C-BC	1.0
				X20201	TRAFFIC BEARING STEEL PLATE	19	EA		C				C-BH	1.0
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	25	FT	C		S	C		C-DT	2.2
				X30007	DUMPING FEE	7	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	75	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	5	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	98	FT	C		S	C	3376.1	3-WF3	1.4
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	98	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	17	EA		C					
				663530	1 IN BASE SPACER	17	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 470 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 470 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 471 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 471 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	13	FT	C		S	C	G7453	3-WF3	5.2
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	13	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	13	FT	C		S	C	G7405	3-WF3	
						1	TN						C-BH	
													C-DT	
I-N			LDB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	13	FT	C		S	C	3373.1	3-WF3	0.2
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	13	FT	C		S	C		C-DT	0.3
						2	CY							
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	1	FT	C		S	C		SR3CS	
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	15	FT	C		S	C		SR3AS	0.4
I-N			AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	15	FT	C		S	C		C-BC	0.4
						2	TN						SR4AL	0.4
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	25	FT	C		S	C	G7453	C-BC	1.0
				114215	ASPHALT, COLD MIX	19	EA						C-BH	1.0
						1	TN						3SWF4	2.0
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	25	FT	C		S	C		C-DT	2.2
						7	CY							
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	75	FT	C		S	C	G7409	3-WF3	0.2
						5	CY							
I-N			1EB3IN	248201	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX)	94	FT	C		S	C	3376.1	3-WF3	1.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	2	CY							
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	94	FT							
				663530	1 IN BASE SPACER	16	EA							
						16	EA							
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA			S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	2	EA							
						1	CY							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			S	C		TC3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 471 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 471 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY	C						

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 472 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 472 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'RD-A		HAND DIG TRENCH 3 FT DEEP AVE	25	FT		C		S	C	G7453	3-WF3	9.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	25	FT		C		S	C		3-WF3	0.4
														C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	25	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	25	FT		C		S	C	3373.1	3-WF3	0.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	25	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	25	FT		C		S	C		C-DT	0.6
				X30007	DUMPING FEE	3	CY		C						
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	25	FT		C		S	C		SR3AS	1.0
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	25	FT		C		S	C		SR3CS	0.1
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	15	FT		C		S	C		SR3AS	0.4
I-N			AB-M18		ASPHALT BASE MECH 18 IN	15	FT		C		S	C		C-BC	0.4
				114201	ASPHALT (BASE)	2	TN		C					SR4AL	0.4
I-N			BH03KH		MACH DIG TRENCH 3 FT DEEP BACKHOE	25	FT		C		S	C	G7453	C-BC	1.0
				X20201	TRAFFIC BEARING STEEL PLATE	19	EA		C					C-BH	1.0
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	2.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	25	FT		C		S	C		C-DT	2.2
				X30007	DUMPING FEE	7	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	75	FT		C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	5	CY		C						
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	73	FT		C		S	C	3376.1	3-WF3	1.0
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY		C						
				249664	CONDUIT DB 3 IN 20 FT LENGTH	73	FT		C						
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	13	EA		C						
				663530	1 IN BASE SPACER	13	EA		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 472 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 472 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C			S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 473 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 473 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AB-M18		ASPHALT BASE MECH 18 IN	27		FT	C		S	C		C-BC	0.7
				114201	ASPHALT (BASE)	3		TN		C				SR4AL	0.7
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	27		FT	C		S	C		SR3AS	0.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	33		FT	C		S	C	G7453	C-BC	1.3
				X20201	TRAFFIC BEARING STEEL PLATE	25		EA		C				C-BH	1.3
				114215	ASPHALT, COLD MIX	1		TN		C				3SWF4	2.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	33		FT	C		S	C		C-DT	2.9
				X30007	DUMPING FEE	9		CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	99		FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	6		CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	33		FT	C		S	C	3376.1	3-WF3	0.5
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1		CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	33		FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	6		EA		C					
				663530	1 IN BASE SPACER	6		EA		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1		FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1		TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1		FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 474 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 474 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 475 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 475 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT	C		S	C	G7453	3-WF3	5.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	14	FT	C		S	C	G7405	3-WF3	
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	14	FT	C		S	C	3373.1	3-WF3	0.2
			249664		CONDUIT DB 3 IN 20 FT LENGTH	14	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	14	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	14	FT	C		S	C		3-WF3	1.4
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	7	FT	C		S	C	G7453	C-BC	0.3
			X20201		TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	7	FT	C		S	C		C-DT	0.6
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	21	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	7	FT	C		S	C	3376.1	3-WF3	0.1
			248201		CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
			249664		CONDUIT DB 3 IN 20 FT LENGTH	7	FT		C					
			663528		SPACER INTERMEDIATE 5 IN 2-WAY	2	EA		C					
			663530		1 IN BASE SPACER	2	EA		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA		C		C	3373.2	3-WF3	0.1
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 475 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 475 OF 587

WORK	FAC				
FUNC	CODE	DESC	EXIST	TAG	NEW TAG

CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 476 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 476 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA		C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA		C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA		C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT		C		S	C		3-WF3	0.1

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 477 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 477 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18	FT	C		S	C	G7453	3-WF3	7.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	18	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN	C					C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	18	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	18	FT	C						
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	18	FT	C		S	C		C-DT	0.5
			X30007	DUMPING FEE	2	CY	C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	18	FT	C		S	C		3-WF3	1.8
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	7	FT	C		S	C	G7453	C-BC	0.3
			X20201	TRAFFIC BEARING STEEL PLATE	6	EA	C					C-BH	0.3
			114215	ASPHALT, COLD MIX	1	TN	C					3SWF4	0.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	7	FT	C		S	C		C-DT	0.6
			X30007	DUMPING FEE	2	CY	C						
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	21	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	2	CY	C						
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	7	FT	C		S	C	3376.1	3-WF3	0.1
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY	C						
			249664	CONDUIT DB 3 IN 20 FT LENGTH	7	FT	C						
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	2	EA	C						
			663530	1 IN BASE SPACER	2	EA	C						
I-N		1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY	C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 478 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 478 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	109	FT	C			S	C	3376.1	3-WF3	1.5
			249664		CONDUIT DB 3 IN 20 FT LENGTH	109	FT		C						
			656400		SLURRY MIX, 1 SACK SAND	3	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C			S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SH 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 479 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 479 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT		C		S	C	G7453	3-WF3	5.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT		C		S	C		3-WF3	0.2
														C-BC	0.2
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFFERED	14	FT		C		S	C	G7405	3-WF3	
						1	TN		C					C-BH	
														C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	14	FT		C		S	C	3373.1	3-WF3	0.2
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	14	FT		C		S	C		C-DT	0.4
						2	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	14	FT		C		S	C		3-WF3	1.4
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	13	FT		C		S	C	G7453	C-BC	0.5
				114215		10	EA		C					C-BH	0.5
						1	TN		C					3SWF4	1.0
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	13	FT		C		S	C		C-DT	1.1
						4	CY		C						
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	39	FT		C		S	C	G7409	3-WF3	0.1
						3	CY		C						
I-N			1EB3IN	248201	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX)	13	FT		C		S	C	3376.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	13	FT		C						
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	3	EA		C						
				663530	1 IN BASE SPACER	3	EA		C						
I-N			1-3SL8	321878	1-3 IN DB 45 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C		S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	1	EA		C						
						1	CY		C						
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C		SR-3C	1.5
I-N			CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA		C		S	C		SR3CS	1.0
						1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 479 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 479 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 480 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 480 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N						FT			C		S	C	G7453	3-WF3	7.7
I-N			3	HD-A	HAND DIG TRENCH 3 FT DEEP AVE	20	FT		C		S	C	G7453	3-WF3	7.7
I-N				BKF-3'	BACKFILL TRENCH 3 FOOT DEEP	20	FT		C		S	C		3-WF3	0.3
I-N														C-BC	0.3
I-N				SHD-12	SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C					C-BH	0.1
														C-DT	0.1
I-N				1DB3-S	1-3 IN DB CONDUIT SEC	20	FT		C		S	C	3373.1	3-WF3	0.3
				249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C						
I-N				R-XCES	EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT		C		S	C		C-DT	0.5
				X30007	DUMPING FEE	2	CY		C						
I-N				CC-2CT	CONCRETE 2 SAW CUT AND BREAK MECH	20	FT		C		S	C		SR3AS	0.8
I-N				CF-H12	FINISH CONCRETE SURFACE MAN 12 IN	20	FT		C		S	C		SR3CS	0.1
I-N				AS-2CT	ASPHALT 2 SAW CUT AND BREAK MECH	12	FT		C		S	C		SR3AS	0.3
I-N				AB-M18	ASPHALT BASE MECH 18 IN	12	FT		C		S	C		C-BC	0.3
				114201	ASPHALT (BASE)	2	TN		C					SR4AL	0.3
I-N				BH03XH	MACH DIG TRENCH 3 FT DEEP BACKHOE	24	FT		C		S	C	G7453	C-BC	1.0
				X20201	TRAFFIC BEARING STEEL PLATE	18	EA		C					C-BH	1.0
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	1.9
I-N				REM-3'	TRENCH SPOIL 3 FT DEPTH	24	FT		C		S	C		C-DT	2.1
				X30007	DUMPING FEE	6	CY		C						
I-N				SLR-18	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	76	FT		C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	5	CY		C						
I-N				1EB3IN	1-3 IN EB CONDUIT CONC ENC	64	FT		C		S	C	3376.1	3-WF3	0.9
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY		C						
				249664	CONDUIT DB 3 IN 20 FT LENGTH	64	FT		C						
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	11	EA		C						
				663530	1 IN BASE SPACER	11	EA		C						
I-N				1-3SLB	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N				LN-S/U	TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N				LN/S/S	LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 480 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 480 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10		FT	C		S	C		3-WF3	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10		FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1		EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1		CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 481 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 481 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA			C				
I-N		X-XF1P			PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N		TG-T-W			TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB			C				
I-N		1-2SLB			1-2 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				321812	BEND CONDUIT DB 2 IN 90 D 36 IN R	2	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	5	EA	C		S	C	3373.2	3-WF3	0.3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	5	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218298	SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 482 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 482 OF 587

WRK F-C MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK MAT TIM ACC STANDARD UM RSP RSP TRT TRT PAGE	CREW TYPE	EST HOURS
I-N	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16 FT	C S C G7453	3-WF3	6.3
I-N	BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16 FT	C S C	3-WF3 C-BC	0.2 0.2
I-N	SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	16 FT 1 TN	C S C G7405	3-WF3 C-BH C-DT	
I-N	1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	16 FT 16 FT	C S C 3373.1	3-WF3	0.2
I-N	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	16 FT 2 CY	C S C	C-DT	0.4
I-N	CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	16 FT	C S C	SR3AS	0.6
I-N	CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	16 FT	C S C	SR3CS	0.1
I-N	AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	55 FT	C S C	SR3AS	1.4
I-N	AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	55 FT 6 TN	C S C	C-BC SR4AL	1.5 1.5
I-N	BH03XH	X20201 114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	55 FT 42 EA 1 TN	C S C G7453	C-BC C-BH 3SWF4	2.2 2.2 4.4
I-N	REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	55 FT 14 CY	C S C	C-DT	4.8
I-N	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	165 FT 10 CY	C S C G7409	3-WF3	0.3
I-N	1EB3IN	248201 249664 663528 663530	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX) CONDUIT DB 3 IN 20 FT LENGTH SPACER INTERMEDIATE 5 IN 2-WAY 1 IN BASE SPACER	30 FT 1 CY 30 FT 6 EA 6 EA	C S C 3376.1	3-WF3	0.4
I-N	1-3SLS	322144 656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	8 EA 8 EA 2 CY	C S C 3373.2	3-WF3	1.3
I-N	LN-S/U		TC-LANE CLOSURE URBAN STREET	1 EA	C S C	TC3	1.0
I-N	LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1 EA	C S C	TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 482 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 482 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			XING-U	114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	1	FT	C		S	C		TC4	0.1
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EAL	C		S	C		SR3CS	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 483 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 483 OF 587

WRK F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK UM	MAT RSP	TIM RSP	ACC TRT	STANDARD TRT	PAGE	CREW TYPE	EST HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16 FT	C		S	C	G7453		3-WF3	6.3
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16 FT	C		S	C			3-WF3 C-BC	0.2 0.2
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	16 FT 1 TN	C		S	C	G7405		3-WF3 C-BH C-DT	
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	16 FT 16 FT	C		S	C	3373.1		3-WF3	0.2
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	16 FT 2 CY	C		S	C			C-DT	0.4
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	12 FT	C		S	C			3-WF3	1.2
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4 FT	C		S	C			SR3AS	0.2
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	4 FT	C		S	C			SR3CS	
T-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	10 FT	C		S	C			SR3AS	0.3
I-N		AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	10 FT 2 TN	C		S	C			C-BC SR4AL	0.3 0.3
I-N		BH03XH	X20201 114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	24 FT 18 EA 1 TN	C		S	C	G7453		C-BC C-BH 3SWF4	1.0 1.0 1.9
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	24 FT 6 CY	C		S	C			C-DT	2.1
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	72 FT 5 CY	C		S	C	G7409		3-WF3	0.1
I-N		1EB3IN	248201 249664 663528 663530	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX) CONDUIT DB 3 IN 20 FT LENGTH SPACER INTERMEDIATE 5 IN 2-WAY 1 IN BASE SPACER	26 FT 1 CY 26 FT 5 EA 5 EA	C		S	C	3376.1		3-WF3	0.4
I-N		1-3SLB	322048 656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1 EA 1 EA 1 CY	C		S	C	3373.2		3-WF3	0.1
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	3 EA	C		S	C	3373.2		3-WF3	0.5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 483 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 483 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	3	EA							
				656400	SLURRY MIX, 1 SACK SAND	1	CY							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN							
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY							

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 484 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 484 OF 587

WRK F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK UM	MAT RSP	TIM RSP	ACC TRT	STANDARD PAGE	CREW TYPE	EST HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	21	FT	C		S	C	G7453	3-WF3 8.1
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	21	FT	C		S	C		3-WF3 0.3 C-BC 0.3
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	21	FT	C		S	C	G7405	3-WF3 0.1 C-BH 0.1 C-DT 0.1
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	21	FT	C		S	C	3373.1	3-WF3 0.3
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	21	FT	C		S	C		C-DT 0.5
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	21	FT	C		S	C		SR3AS 0.8
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	21	FT	C		S	C		SR3CS 0.1
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	50	FT	C		S	C		SR3AS 1.3
T-N		AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	50	FT	C		S	C		C-BC 1.4 SR4AL 1.4
I-N		BH03XH	X20201 114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	75	FT	C		S	C	G7453	C-BC 3.0 C-BH 3.0 3SWF4 6.0
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	75	FT	C		S	C		C-DT 6.6
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	225	FT	C		S	C	G7409	3-WF3 0.5
I-N		1EB3IN	248201 249664 663528 663530	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX) CONDUIT DB 3 IN 20 FT LENGTH SPACER INTERMEDIATE 5 IN 2-WAY 1 IN BASE SPACER	10	FT	C		S	C	3376.1	3-WF3 0.1
I-N		1-3SLS	322144 656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	8	EA	C		S	C	3373.2	3-WF3 1.3
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3 1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4 1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 484 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 484 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			XING-U	114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	1	FT	C			S	C		TC4	0.1
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C			S	C		TC4	0.1
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C			S	C		3-WF3	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C			S	C		SR-3C	1.5
I-N			CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA	C			S	C		SR3CS	1.0
						1	CY								

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 485 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 485 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1		EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1		EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1		EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1		EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4		EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4		EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1		CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1		FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 486 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 486 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	14	FT	C		S	C	G7453	3-WF3	5.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	14	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	14	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN			C			C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	14	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	14	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	14	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY			C				
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	14	FT	C		S	C		SR3AS	0.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	14	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	7	FT	C		S	C	G7453	C-BC	0.3
				X20201	TRAFFIC BEARING STEEL PLATE	6	EA			C			C-BH	0.3
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	0.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	7	FT	C		S	C		C-DT	0.6
				X30007	DUMPING FEE	2	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	21	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY			C				
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	7	FT	C		S	C	3376.1	3-WF3	0.1
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY			C				
				249664	CONDUIT DB 3 IN 20 FT LENGTH	7	FT			C				
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	2	EA			C				
				663530	1 IN BASE SPACER	2	EA			C				
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA			S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 487 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 487 OF 587

WRK F-C MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK MAT UM RSP RSP	TIM ACC TRT TRT	STANDARD PAGE	CREW TYPE	EST HOURS
I-N	3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	18 FT	C	S C	G7453	3-WF3	7.0
I-N	BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	18 FT	C	S C		3-WF3 C-BC	0.3 0.3
I-N	SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	18 FT 1 TN	C C	S C	G7405	3-WF3 C-BH C-DT	0.1 0.1 0.1
I-N	1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	18 FT 18 FT	C C	S C	3373.1	3-WF3	0.3
I-N	R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	18 FT 2 CY	C C	S C		C-DT	0.5
I-N	CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	18 FT	C	S C		SR3AS	0.7
I-N	CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	18 FT	C	S C		SR3CS	0.1
I-N	AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	13 FT	C	S C		SR3AS	0.3
I-N	AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	13 FT 2 TN	C C	S C		C-BC SR4AL	0.4 0.4
I-N	BH03XH	X20201 114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	23 FT 18 EA 1 TN	C C C	S C	G7453	C-BC C-BH 3SWF4	0.9 0.9 1.8
I-N	REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	23 FT 6 CY	C C	S C		C-DT	2.0
I-N	SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	68 FT 4 CY	C C	S C	G7409	3-WF3	0.1
I-N	1EB3IN	248201 249664 663528 663530	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX) CONDUIT DB 3 IN 20 FT LENGTH SPACER INTERMEDIATE 5 IN 2-WAY 1 IN BASE SPACER	42 FT 1 CY 42 FT 8 EA 8 EA	C C C C C	S C	3376.1	3-WF3	0.6
I-N	1-3SLB	322048 656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1 EA 1 EA 1 CY	C C C	S C	3373.2	3-WF3	0.1
I-N	1-3SLS	322144 656400	1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED BEND CONDUIT DB 3 IN 22.5 D 25 FT R SLURRY MIX, 1 SACK SAND	3 EA 3 EA 1 CY	C C C	S C	3373.2	3-WF3	0.5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 487 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 487 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK MAT	TIM	ACC	STANDARD	CREW	EST
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA	C		S	C		TC3 1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4 1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10		FT	C		S	C		3-WF3 1.0
I-N			SAW-CC		SAW CUT CONCRETE	10		FT	C		S	C		SR-3C 1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1		EA	C		S	C		SR3CS 1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1		CY		C				

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 488 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 488 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	121	FT	C		S	C	3376.1	3-WF3	1.7
				249664	CONDUIT DB 3 IN 20 FT LENGTH	121	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 489 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 489 OF 587

WRK	F-C	MV ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1		EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1		EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1		EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1		EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2		EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2		EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1		CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1		FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 490 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 490 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AB-M18		ASPHALT BASE MECH 18 IN	27	FT	C		S	C		C-BC	0.7
			114201	ASPHALT (BASE)	3	TN		C				SR4AL	0.7
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	27	FT	C		S	C		SR3AS	0.7
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	33	FT	C		S	C	G7453	C-BC	1.3
			X20201	TRAFFIC BEARING STEEL PLATE	25	EA		C				C-BH	1.3
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	33	FT	C		S	C		C-DT	2.9
			X30007	DUMPING FEE	9	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	99	FT	C		S	C	G7409	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	6	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	33	FT	C		S	C	3376.1	3-WF3	0.5
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	33	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	6	EA		C					
			663530	1 IN BASE SPACER	6	EA		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT		C		S	C	TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT		C		S	C	TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 491 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 491 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	235	FT	C		S	C		SR3AS	6.1
I-N			AB-M24		ASPHALT BASE MECH 24 IN	235	FT	C		S	C		SR-3A	6.3
				114201	ASPHALT (BASE)	9	TN		C					
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	235	FT	C		S	C	G7453	C-BC	11.8
				X20201	TRAFFIC BEARING STEEL PLATE	235	EA		C				C-BH	11.8
				114215	ASPHALT, COLD MIX	3	TN		C				3SWF4	23.5
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	235	FT	C		S	C		C-DT	28.2
				X30007	DUMPING FEE	80	CY		C					
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	705	FT	C		S	C	G7409	3-WF3	2.1
				656400	SLURRY MIX, 1 SACK SAND	53	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	235	FT	C		S	C	3376.1	3-WF3	3.3
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	5	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	235	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	40	EA		C					
				663530	1 IN BASE SPACER	40	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C	S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C	S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C	S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 492 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 492 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N		R-XCBS		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	13	FT	C		S	C		3-WF3	1.3
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4	FT	C		S	C		SR3AS	0.2
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	4	FT	C		S	C		SR3CS	
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	24	FT	C		S	C		SR3AS	0.6
I-N		AB-M18		ASPHALT BASE MECH 18 IN	24	FT	C		S	C		C-BC	0.6
			114201	ASPHALT (BASE)	3	TN		C				SR4AL	0.6
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	34	FT	C		S	C	G7453	C-BC	1.4
			X20201	TRAFFIC BEARING STEEL PLATE	26	EA		C				C-BE	1.4
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.7
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	34	FT	C		S	C		C-DT	3.0
			X30007	DUMPING FEE	9	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	68	FT	C		S	C	G7409	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	4	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	60	FT	C		S	C	3376.1	3-WF3	0.8
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	60	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	11	EA		C					
			663530	1 IN BASE SPACER	11	EA		C					
I-N		1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 492 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 492 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			XING-U	114215	TC-TRAFFIC CONDITIONS STREET CROSSINGS ASPHALT, COLD MIX	1	FT	C		S	C		TC4	0.1
						1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA	C		S	C		SR3CS	1.0
						1	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 493 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 493 OF 587

WRK F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK UM	MAT RSP	TIM RSP	ACC TRT	STANDARD TRT	PAGE	CREW TYPE	EST HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3 C-BC	0.2 0.2
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	15	FT	C		S	C	G7405	3-WF3 C-BH C-DT	
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	15	FT	C		S	C	3373.1	3-WF3	0.2
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	15	FT	C		S	C		C-DT	0.4
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	11	FT	C		S	C		3-WF3	1.1
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4	FT	C		S	C		SR3AS	0.2
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	4	FT	C		S	C		SR3CS	
I-N		BH03XH	X20201 114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	6	FT	C		S	C	G7453	C-BC C-BH 3SWF4	0.2 0.2 0.5
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	6	FT	C		S	C		C-DT	0.5
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	18	FT	C		S	C	G7409	3-WF3	
I-N		1EB3IN	248201 249664 663528 663530	1-3 IN EB CONDUIT CONC ENC CONCRETE - 2 SACK (GRAVEL MIX) CONDUIT DB 3 IN 20 FT LENGTH SPACER INTERMEDIATE 5 IN 2-WAY 1 IN BASE SPACER	6	FT	C		S	C	3376.1	3-WF3	0.1
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA	C		S	C		SR3CS	1.0
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
LOCATION: 493 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 493 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 494 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 494 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N			X09H26	162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA	C		S	C	3373.2	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 495 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 495 OF 587

[WRK] [F-C]	[MU ID]	[AU ID]	[STOCK#]	[DESCRIPTION/CONSTRUCTION NOTES]	[QTY]		[WRK]		[TIM]		[ACC]		[STANDARD]	[CREW]	[EST]
					[RQD]	[UM]	[RSP]	[RSP]	[TRT]	[TRT]	[PAGE]	[TYPE]			
I-N		3'	HD-A	HAND DIG TRENCH 3 FT DEEP AVE	30	FT	C		S	C		G7453	3-WF3	11.3	
I-N			BKF-3'	BACKFILL TRENCH 3 FOOT DEEP	30	FT	C		S	C			3-WF3	0.5	
													C-BC	0.5	
I-N			SHD-12	SHADE TRENCH WITH SAND - 12 INCH WIDTH	30	FT	C		S	C		G7405	3-WF3	0.1	
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C					C-BH	0.1	
													C-DT	0.1	
I-N			1DB3-S	1-3 IN DB CONDUIT SEC	30	FT	C		S	C		3373.1	3-WF3	0.5	
			249664	CONDUIT DB 3 IN 20 FT LENGTH	30	FT		C							
I-N			R-XCES	EXCESS TRENCH SPOIL (12 IN DEEP)	30	FT	C		S	C			C-DT	0.8	
			X30007	DUMPING FEE	3	CY		C							
I-N			PLANTU	REMOVE/REPLACE LANDSCAPING	30	FT	C		S	C			3-WF3	3.0	
I-N			BH03XH	MACH DIG TRENCH 3 FT DEEP BACKHOE	8	FT	C		S	C		G7453	C-BC	0.3	
			X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C					C-BH	0.3	
			114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	0.6	
I-N			REM-3'	TRENCH SPOIL 3 FT DEPTH	8	FT	C		S	C			C-DT	0.7	
			X30007	DUMPING FEE	2	CY		C							
I-N			SLR-18	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	24	FT	C		S	C		G7409	3-WF3		
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C							
I-N			1EB3IN	1-3 IN EB CONDUIT CONC ENC	36	FT	C		S	C		3376.1	3-WF3	0.5	
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C							
			249664	CONDUIT DB 3 IN 20 FT LENGTH	36	FT		C							
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	7	EA		C							
			663530	1 IN BASE SPACER	7	EA		C							
I-N			1-3SLB	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C		3373.2	3-WF3	0.1	
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C							
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C							
I-N			SAW-CC	SAW CUT CONCRETE	10	FT	C		S	C			SR-3C	1.5	
I-N			CC-WLK	CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C			SR3CS	1.0	
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C							
I-N			LN-S/U	TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C			TC3	1.0	
I-N			LN/S/S	LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C			TC4	1.0	

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SAN DIEGO GAS AND ELECTRIC
DPSS - DESIGN REVIEW COPY - DETAIL

PAGE NO 572

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 495 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 495 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 496 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 496 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	183	FT		C		S	C		SR3AS	4.8
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	183	FT		C		S	C		C-BC	12.3
				X20022	GRIND ASPHALT (PER SF)	183	SF		C					SR-3A	12.3
				114201	ASPHALT (BASE)	17	TN		C						
				114202	ASPHALT (TOP)	4	TN		C						
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	183	FT		C		S	C	G7453	C-BC	7.3
				X20201	TRAFFIC BEARING STEEL PLATE	138	EA		C					C-BH	7.3
				114215	ASPHALT, COLD MIX	2	TN		C					3SWF4	14.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	183	FT		C		S	C		C-DT	16.1
				X30007	DUMPING FEE	46	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	366	FT		C		S	C	G7409	3-WF3	0.7
				656400	SLURRY MIX, 1 SACK SAND	21	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	180	FT		C		S	C	3376.1	3-WF3	2.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	180	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	4	CY		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 497 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 497 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	23	FT	C		S	C	G7453	3-WF3	8.8
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	23	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	23	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	23	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	23	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	23	FT	C		S	C		C-DT	0.6
			X30007	DUMPING FEE	3	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	23	FT	C		S	C		3-WF3	2.3
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	8	FT	C		S	C	G7453	C-BC	0.3
			X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	8	FT	C		S	C		C-DT	0.7
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	24	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	81	FT	C		S	C	3376.1	3-WF3	1.1
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	81	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	14	EA		C					
			663530	1 IN BASE SPACER	14	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205	CONCRETE + 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 497 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 497 OF 587

WORK	FAC					
FUNC	CODE	DESC	EXIST TAG	NEW TAG		CONSTRUCTION NOTES

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 498 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 498 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	15	FT	C		S	C	G7453	3-WF3	5.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	15	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	15	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	15	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	15	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	15	FT	C		S	C		3-WF3	1.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	8	FT	C		S	C	G7453	C-BC	0.3
				X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	8	FT	C		S	C		C-DT	0.7
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	24	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	75	FT	C		S	C	3376.1	3-WF3	1.1
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	2	CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	75	FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	13	EA		C					
				663530	1 IN BASE SPACER	13	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 498 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 498 OF 587

WORK FUNC	EAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 499 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 499 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N		X09H26	162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N		11-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
			656400	BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	4	EA	C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 500 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 500 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	40	FT		C		S	C	G7453	3-WF3	14.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	40	FT		C		S	C		3-WF3	0.6
														C-BC	0.6
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	40	FT		C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	3	TN		C					C-BH	0.1
														C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	40	FT		C		S	C	3373.1	3-WF3	0.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	40	FT		C						
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	40	FT		C		S	C		C-DT	1.0
				X30007	DUMPING FEE	4	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	25	FT		C		S	C		3-WF3	2.5
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	15	FT		C		S	C		SR3AS	0.6
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	15	FT		C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	12	FT		C		S	C	G7453	C-BC	0.5
				X20201	TRAFFIC BEARING STEEL PLATE	9	EA		C					C-BH	0.5
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	1.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	12	FT		C		S	C		C-DT	1.1
				X30007	DUMPING FEE	3	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	36	FT		C		S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C						
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	12	FT		C		S	C	3376.1	3-WF3	0.2
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY		C						
				249664	CONDUIT DB 3 IN 20 FT LENGTH	12	FT		C						
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	3	EA		C						
				663530	1 IN BASE SPACER	3	EA		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 500 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 500 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			IN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C	TC4	1.0	

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 501 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 501 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	85	FT	C		S	C		SR3AS	2.2
I-N		AB-M24		ASPHALT BASE MECH 24 IN	85	FT	C		S	C		SR-3A	2.3
			114201	ASPHALT (BASE)	4	TN		C					
I-N		BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	85	FT	C		S	C	G7453	C-BC	4.3
			X20201	TRAFFIC BEARING STEEL PLATE	85	EA		C				C-BH	4.3
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	8.5
I-N		REM-4'		TRENCH SPOIL 4 FT DEPTH	85	FT	C		S	C		C-DT	10.2
			X30007	DUMPING FEE	29	CY		C					
I-N		SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	170	FT	C		S	C	G7409	3-WF3	0.5
			656400	SLURRY MIX, 1 SACK SAND	13	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	120	FT	C		S	C	3376.1	3-WF3	1.7
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	3	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	120	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	21	EA		C					
			663530	1 IN BASE SPACER	21	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK	FAC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE	DESC		

SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 502 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 502 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA		C					
I-N			[X-XF1P]		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			TB-PER		TRAFFIC BARRIER - PERMANENT	2	EA	C		S	C	3481.1	SR3CS	2.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
				537224	PIPE STEEL 4 IN .188 WALL PLAIN BARE 5L	12	FT		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218300	SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 503 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 503 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
I-N					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	7	FT	C		S	C		3-WF3	0.7
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	10	FT	C		S	C		SR3AS	0.4
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	10	FT	C		S	C		SR3CS	
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	20	FT	C		S	C	G7453	C-BC	0.8
			X20201	TRAFFIC BEARING STEEL PLATE	15	EA		C				C-BH	0.8
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	1.6
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	20	FT	C		S	C		C-DT	1.8
			X30007	DUMPING FEE	5	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	40	FT	C		S	C	G7409	3-WF3	0.1
			656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	30	FT	C		S	C	3376.1	3-WF3	0.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	30	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 503 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 503 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 10

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 504 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 504 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
[R-N]			TERM3F		PAD 3413 W/2HH 3-PHASE TERM 350 & OVER	1		EA	C		S	C	3499.101	BOOMT	4.0
														3-AF4	0.4
[I-N]			3417		PAD 3417 600A TERMINATING CABINET	1		EA	C		S	C	3417.1	BOOMT	4.0
				162664	BASE SECTION 18 IN 3313	1		EA	C					3-AF4	1.0
				514022	PAD 3417 600 AMP DEADFRONT TERMINATOR	1		EA	C						
[I-N]			X3417		EXCAVATE 3417 PAD W/3313 HH	1		EA	C		S	C	3417.1	3SWF3	1.0
[I-N]			2-5SLB		2-5 IN DB 90 D 36 IN R BEND SLURRY ENC	1		EA	C		S	C	3373.2	3-WF3	0.1
				322112	BEND CONDUIT DB 5 IN 90 D 36 IN R	2		EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1		CY	C						
[I-N]			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA	C		S	C		TC3	1.0
[I-N]			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
R	PD	PAD	D2171875001	D2171875001	EXISTING PAD D2171875001. DPSS ASSIGNED A NEW NUMBER AUTOMATICLY COORDINATE WORK WITH CABLE JOB

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 505 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 505 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3421-1		PAD 3421 1-PHASE TRANSFORMER	1	EA	C		S	C	3421.1	3-AF4	0.4
				514240	PAD 1-PHASE XFMR / 3-PHASE F.C. 3421	1	EA	C						
I-N			X-XF1P		PAD PREP 3421 PAD (1-PHASE TRANSFORMER)	1	EA	C		S	C		3SWF3	0.4
I-N			TG-T-W		TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
				812816	WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB	C						
I-N			1-2SLB		1-2 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				321812	BEND CONDUIT DB 2 IN 90 D 36 IN R	2	EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C						

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PD	PAD		D218248	SEE SHT 10

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 506 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 506 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION										

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 507 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 507 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	174	FT	C		S	C	3376.1	3-WF3	2.4
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	4	CY	C						
			249664	CONDUIT DB 3 IN 20 FT LENGTH	174	FT	C						
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	30	EA	C						
			663530	1 IN BASE SPACER	30	EA	C						
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 10,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 508 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 508 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	200		FT	C		S	C		SR3AS	5.2
I-N			AB-M24		ASPHALT BASE MECH 24 IN	200		FT	C		S	C		SR-3A	5.4
				114201	ASPHALT (BASE)	8		TN		C					
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	214		FT	C		S	C	G7453	C-BC	10.7
				X20201	TRAFFIC BEARING STEEL PLATE	214		EA		C				C-BH	10.7
				114215	ASPHALT, COLD MIX	2		TN		C				3SWF4	21.4
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	214		FT	C		S	C		C-DT	25.7
				X30007	DUMPING FEE	73		CY		C					
I-N			SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	428		FT	C		S	C	G7409	3-WF3	1.3
				656400	SLURRY MIX, 1 SACK SAND	32		CY		C					
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	174		FT	C		S	C	3376.1	3-WF3	2.4
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	4		CY		C					
				249664	CONDUIT DB 3 IN 20 FT LENGTH	174		FT		C					
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	30		EA		C					
				663530	1 IN BASE SPACER	30		EA		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4		EA	C		S	C	3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4		EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1		CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5		FT	C		S	C		3-WF3	0.5
I-N			SAW-CC		SAW CUT CONCRETE	10		FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1		EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1		CY		C					

WORK	FAC														
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES										

SEE SHT 10,14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 509 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 509 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3"CP-B		CP BEND SCH 80 3 IN	2	EA	C		S	C	4204.3	3SWF3	
			322472	ELBOW 3 IN-36 IN R 90 D PVC SCH 80	2	EA		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
			P177196		COORDINATE WITH OH CABLE POLE JOB FOR NEW POLE SEE SHT 14

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 510 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 510 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 511 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 511 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	7	FT	C		S	C	G7453	3-WF3	3.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	7	FT	C		S	C		3-WF3	0.1
												C-BC	0.1
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	7	FT	C		S	C	G7405	3-WF3	
					1	TN		C				C-BH	
												C-DT	
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	7	FT	C		S	C	3373.1	3-WF3	0.1
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	7	FT	C		S	C		C-DT	0.2
					1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	7	FT	C		S	C		3-WF3	0.7
I-N		BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	12	FT	C		S	C	G7453	C-BC	0.5
			114215		9	EA		C				C-BH	0.5
					1	TN		C				3SWF4	1.0
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	12	FT	C		S	C		C-DT	1.1
					3	CY		C					
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	36	FT	C		S	C	G7409	3-WF3	0.1
					3	CY		C					
I-N		1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	69	FT	C		S	C	3376.1	3-WF3	1.0
			656400		69	FT		C					
					2	CY		C					
I-N		1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C		S	C	3373.2	3-WF3	0.1
			656400		2	EA		C					
					1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA	C		S	C		SR3CS	1.0
					1	CY		C					

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG									CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 512 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 512 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA			C				
			656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 513 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 513 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	30	FT	C		S	C		SR3AS	0.8
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	36	FT	C		S	C	G7453	C-BC	1.4
			X20201	TRAFFIC BEARING STEEL PLATE	27	EA		C				C-BH	1.4
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.9
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	36	FT	C		S	C		C-DT	3.2
			X30007	DUMPING FEE	9	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	108	FT	C		S	C	G7409	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	7	CY		C					
I-N		AS-M18		ASPHALT BASE & TOP MECH 18 IN	30	FT	C		S	C		C-BC	2.0
			X20022	GRIND ASPHALT (PER SF)	30	SF		C				SR-3A	2.0
			114201	ASPHALT (BASE)	3	TN		C					
			114202	ASPHALT (TOP)	1	TN		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	32	FT	C		S	C	3376.1	3-WF3	0.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	32	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA		C	S	C	3373.2	3-WF3	0.7
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C	S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C	S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C	S	C		TC4	1.0
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C	S	C		SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SH 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 514 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 514 OF 587

WRK	F	C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
							RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
						NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 515 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 515 OF 587

WRK F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK UM	MAT RSP	TIM RSP	ACC TRT	STANDARD TRT	PAGE	CREW TYPE	EST HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	55	FT	C		S	C		SR3AS	1.4
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	55	FT	C		S	C	G7453	C-BC	2.2
			X20201	TRAFFIC BEARING STEEL PLATE	42	EA		C				C-BH	2.2
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	4.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	55	FT	C		S	C		C-DT	4.8
			X30007	DUMPING FEE	14	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	165	FT	C		S	C	G7409	3-WF3	0.3
			656400	SLURRY MIX, 1 SACK SAND	10	CY		C					
I-N		AS-M18		ASPHALT BASE & TOP MECH 18 IN	55	FT	C		S	C		C-BC	3.7
			X20022	GRIND ASPHALT (PER SF)	55	SF		C				SR-3A	3.7
			114201	ASPHALT (BASE)	5	TN		C					
			114202	ASPHALT (TOP)	2	TN		C					
I-N		LEB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	42	FT	C		S	C	3376.1	3-WF3	0.6
			249664	CONDUIT DB 3 IN 20 FT LENGTH	42	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
			322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 516 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 516 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
				NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 517 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 517 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 518 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 518 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			AS-1CT		ASPHALT 1 SAW CUT AND BREAK MECH	5	FT	C		S	C			SR3AS	0.1
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	1	EA	C		S	C	3313		BOOMT	3.0
				400302	3313 TRAFFIC COVER HANDHOLE COMPLETE	1	EA	C						3-AF4	0.5
I-N			X13H-A		EXCAVATE 3313 HANDHOLE	1	EA	C		S	C	3313.2		3SWF3	0.4
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2		3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA	C							
				656400	SLURRY MIX, 1 SACK SAND	1	CY	C							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C			TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C			TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 519 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 519 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	28	FT	C		S	C		SR3AS	0.7
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	38	FT	C		S	C	G7453	C-BC	1.5
				X20201	TRAFFIC BEARING STEEL PLATE	29	EA		C				C-BH	1.5
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	3.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	38	FT	C		S	C		C-DT	3.3
				X30007	DUMPING FEE	10	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	84	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	5	CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	38	FT	C		S	C		C-BC	2.5
				X20022	GRIND ASPHALT (PER SF)	38	SF		C				SR-3A	2.5
				114201	ASPHALT (BASE)	4	TN		C					
				114202	ASPHALT (TOP)	1	TN		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	138	FT	C		S	C	3376.1	3-WF3	1.9
				249664	CONDUIT DB 3 IN 20 FT LENGTH	138	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C	SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C	SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT		C		S	C	TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT		C		S	C	TC4	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 520 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 520 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	PT	C		S	C		3-WF3	0.1

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 521 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 521 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WAK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
		X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
		114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
		X30007		DUMPING FEE	2	CY		C					
I-N		1"PE		1 IN POLYETHYLENE CONDUIT	15	FT	C		S	C	3373.1	3-WF3	0.3
		249630		CONDUIT DB 1 IN POLYETHYLENE	15	FT		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
		656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 522 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 522 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N	P-SCAD			POLE - SCADA 20' COMPLETE	1	EA	C		S	C	4641.5	SR3CS	1.4
												3SWF3	0.2
												BOOMT	4.0
												3WF3S	2.0
												FLBED	4.0
	EXPOLE			EXCAVATE 20' POLE - SCADA ANTENNA	1	EA							
	POLE-C			CONCRETE COLLAR 20" X 20"	1	EA					4434.1		
		248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
	POLE-G			GROUND ANTENNA POLE W/TRENCH GROUND	1	EA					4640/4510		
		812816		WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					
	POLE-H			ANTENNA POLE DELIVERY	1	HR							
	SCAD-P			POLE - SCADA ANTENNA - 20'	1	EA							
		102017		ADAPTER, ANTENNA SUPPORT FOR 20' POLE	1	EA		C					
		678126		STANDARD DIR BURIAL NOMA 17-0 MTG HT	1	EA		C					
I-N	TG-T-W			TRENCH GRD WIRE W/O RODS (TRANS/CAP)	1	EA	C		S	C	4510.1	3SWF3	0.2
		812816		WIRE BARE COPPER #2-7 STR SOFT DRAWN	8	LB		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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I	US	UG STRTLIGHT/POL		L123095	SEE SHT 8
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PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 523 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 523 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	27	FT	C		S	C		SR3AS	0.7
I-N		AB-M18		ASPHALT BASE MECH 18 IN	27	FT	C		S	C		C-BC	0.7
			114201	ASPHALT (BASE)	3	TN			C			SR4AL	0.7
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	40	FT	C		S	C	G7453	C-BC	1.6
			X20201	TRAFFIC BEARING STEEL PLATE	30	EA			C			C-BH	1.6
			114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	3.2
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	40	FT	C		S	C		C-DT	3.5
			X30007	DUMPING FEE	10	CY			C				
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	120	FT	C		S	C	G7409	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	7	CY			C				
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	41	FT	C		S	C	3376.1	3-WF3	0.6
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	1	CY			C				
			249664	CONDUIT DB 3 IN 20 FT LENGTH	41	FT			C				
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	7	EA			C				
			663530	1 IN BASE SPACER	7	EA			C				
I-N		1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	2	EA			C				
			656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN			C				
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG									CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 524 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 524 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			9LANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 525 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 525 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	47	FT	C		S	C	G7453	3-WF3	17.4
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	47	FT	C		S	C		3-WF3	0.7
													C-BC	0.7
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	47	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	3	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	47	FT	C		S	C	3373.1	3-WF3	0.7
				249664	CONDUIT DB 3 IN 20 FT LENGTH	47	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	47	FT	C		S	C		C-DT	1.2
				X30007	DUMPING FEE	5	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	47	FT	C		S	C		3-WF3	4.7
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	35	FT	C		S	C		SR3AS	0.9
I-N			AB-M18		ASPHALT BASE MECH 18 IN	35	FT	C		S	C		C-BC	0.9
				114201	ASPHALT (BASE)	4	TN		C				SR4AL	0.9
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C		S	C	SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	52	FT	C		S	C	G7453	C-BC	2.1
				X20201	TRAFFIC BEARING STEEL PLATE	39	EA		C				C-BH	2.1
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	4.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	52	FT	C		S	C		C-DT	4.6
				X30007	DUMPING FEE	13	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	156	FT	C		S	C	G7409	3-WF3	0.3
				656400	SLURRY MIX, 1 SACK SAND	9	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	52	FT	C		S	C	3376.1	3-WF3	0.7
				249664	CONDUIT DB 3 IN 20 FT LENGTH	52	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA		C		S	C	3373.2	3-WF3
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 525 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 525 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C	TC4	1.0	

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 526 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 526 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	238	FT	C		S	C		SR3AS	6.2
I-N		AB-M24		ASPHALT BASE MECH 24 IN	238	FT	C		S	C		SR-3A	6.4
			114201	ASPHALT (BASE)	9	TN		C					
I-N		BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	252	FT	C		S	C	G7453	C-BC	12.6
			X20201	TRAFFIC BEARING STEEL PLATE	252	EA		C				C-BH	12.6
			114215	ASPHALT, COLD MIX	3	TN		C				3SWF4	25.2
I-N		REM-4'		TRENCH SPOIL 4 FT DEPTH	252	FT	C		S	C		C-DT	30.2
			X30007	DUMPING FEE	86	CY		C					
I-N		SLR-24		BACKFILL SLURRY 24 IN WIDE X 12 IN DEEP	756	FT	C		S	C	G7409	3-WF3	2.3
			656400	SLURRY MIX, 1 SACK SAND	57	CY		C					
I-N		1EB3IN		1-3 IN EB CONDUIT CONC ENC	238	FT	C		S	C	3376.1	3-WF3	3.3
			248201	CONCRETE - 2 SACK (GRAVEL MIX)	5	CY		C					
			249664	CONDUIT DB 3 IN 20 FT LENGTH	238	FT		C					
			663528	SPACER INTERMEDIATE 5 IN 2-WAY	40	EA		C					
			663530	1 IN BASE SPACER	40	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	10	FT	C		S	C		3-WF3	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 527 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 527 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST		
F-C					RQD	UM	RSP	RSP	TRT	PAGE	TYPE	HOURS		
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	16	FT	C		S	C	G7453	3-WF3	6.3	
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	16	FT	C		S	C		3-WF3	0.2	
												C-BC	0.2	
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	16	FT	C		S	C	G7405	3-WF3		
			611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH		
												C-DT		
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	16	FT	C		S	C	3373.1	3-WF3	0.2	
			249664	CONDUIT DB 3 IN 20 FT LENGTH	16	FT		C						
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	16	FT	C		S	C		C-DT	0.4	
			X30007	DUMPING FEE	2	CY		C						
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	16	FT	C		S	C		3-WF3	1.6	
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	8	FT	C		S	C	G7453	C-BC	0.3	
			X20201	TRAFFIC BEARING STEEL PLATE	6	EA		C				C-BH	0.3	
			114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.6	
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	8	FT	C		S	C		C-DT	0.7	
			X30007	DUMPING FEE	2	CY		C						
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	24	FT	C		S	C	G7409	3-WF3		
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C						
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	8	FT	C		S	C	3376.1	3-WF3	0.1	
			249664	CONDUIT DB 3 IN 20 FT LENGTH	8	FT		C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N		1-3SLB		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3	0.1
			321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C				TC3	1.0	
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C				TC4	1.0	

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 528 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 528 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	17	FT	C		S	C	G7453	3-WF3	6.6
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	17	FT	C		S	C		3-WF3	0.3
													C-BC	0.3
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	17	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	17	FT	C		S	C	3373.1	3-WF3	0.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	17	FT		C					
I-N			1DB3S8		1-3 IN DB 45 D 36 IN R BEND SEC	1	EA	C		S	C	3373.2	3-WF3	
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	17	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	17	FT	C		S	C		SR3AS	0.7
I-N			CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	17	FT	C		S	C		SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	9	FT	C		S	C	G7453	C-BC	0.4
			X20201		TRAFFIC BEARING STEEL PLATE	7	EA		C				C-BH	0.4
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.7
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	9	FT	C		S	C		C-DT	0.8
			X30007		DUMPING FEE	3	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	27	FT	C		S	C	G7409	3-WF3	0.1
			656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	9	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	9	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC														
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES										

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 529 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 529 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
				NO DESIGN UNITS FOR THIS LOCATION									

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 530 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 530 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION										

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 531 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 531 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
				NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE	DESC		

SEE SHT 2

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 532 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 532 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE
													HOURS
					NO DESIGN UNITS FOR THIS LOCATION								

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 533 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 533 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	4	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 534 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 534 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK MAT	TIM	ACC	STANDARD	CREW	EST
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	110		FT	C		S	C	SR3AS	2.9
I-N			AB-M18		ASPHALT BASE MECH 18 IN	110		FT	C		S	C	C-BC	3.0
				114201	ASPHALT (BASE)	12		TN					SR4AL	3.0
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	120		FT	C		S	C	G7453	4.8
				X20201	TRAFFIC BEARING STEEL PLATE	90		EA					C-BH	4.8
				114215	ASPHALT, COLD MIX	2		TN					3SWF4	9.6
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	120		FT	C		S	C	C-DT	10.6
				X30007	DUMPING FEE	30		CY						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	360		FT	C		S	C	G7409	0.7
				656400	SLURRY MIX, 1 SACK SAND	21		CY					3-WF3	
I-N			1EB3IN		1-3 IN EB CONDUIT CONC ENC	120		FT	C		S	C	3376.1	1.7
				248201	CONCRETE - 2 SACK (GRAVEL MIX)	3		CY						
				249664	CONDUIT DB 3 IN 20 FT LENGTH	120		FT						
				663528	SPACER INTERMEDIATE 5 IN 2-WAY	21		EA						
				663530	1 IN BASE SPACER	21		EA						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	2		EA	C		S	C	3373.2	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	2		EA						
				656400	SLURRY MIX, 1 SACK SAND	1		CY						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA	C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C	TC4	1.0
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	10		FT	C		S	C	3-WF3	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 535 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 535 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 6

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 536 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 536 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 537 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 537 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
			D2172075010		SEE SHT 4

PROJECT: 253568 JOB: 01 REV: 0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 539 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 539 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	170		FT	C		S	C		SR3AS	4.4
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	170		FT	C		S	C	G7453	C-BC	8.5
			X20201		TRAFFIC BEARING STEEL PLATE	170		EA		C				C-BH	8.5
			114215		ASPHALT, COLD MIX	2		TN		C				3SWF4	17.0
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	170		FT	C		S	C		C-DT	20.4
			X30007		DUMPING FEE	58		CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	510		FT	C		S	C	G7409	3-WF3	1.0
			656400		SLURRY MIX, 1 SACK SAND	29		CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	170		FT	C		S	C		C-BC	11.4
			X20022		GRIND ASPHALT (PER SF)	170		SF		C				SR-3A	11.4
			114201		ASPHALT (BASE)	16		TN		C					
			114202		ASPHALT (TOP)	4		TN		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	164		FT	C		S	C	3376.1	3-WF3	2.3
			249664		CONDUIT DB 3 IN 20 FT LENGTH	164		FT		C					
			656400		SLURRY MIX, 1 SACK SAND	4		CY		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4		EA		C	S	C	3373.2	3-WF3	0.7
			322144		BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4		EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1		CY		C					
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1		EA		C	S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1		EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1		CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA		C	S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA		C	S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1		FT		C	S	C		TC4	0.1
			114215		ASPHALT, COLD MIX	1		TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1		FT		C	S	C		TC4	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 540 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 540 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	170	FT	C		S	C		SR3AS	4.4
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	170	FT	C		S	C	G7453	C-BC	8.5
				X20201	TRAFFIC BEARING STEEL PLATE	170	EA		C				C-BH	8.5
				114215	ASPHALT, COLD MIX	2	TN		C				3SWF4	17.0
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	170	FT	C		S	C		C-DT	20.4
				X30007	DUMPING FEE	58	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	510	FT	C		S	C	G7409	3-WF3	1.0
				656400	SLURRY MIX, 1 SACK SAND	29	CY		C					
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	170	FT	C		S	C		C-BC	11.4
				X20022	GRIND ASPHALT (PER SF)	170	SF		C				SR-3A	11.4
				114201	ASPHALT (BASE)	16	TN		C					
				114202	ASPHALT (TOP)	4	TN		C					
I-N			1EB4SL		1-4 IN EB CONDUIT SLURRY ENCASED	486	FT	C		S	C	3376.1	3-WF3	6.8
				249710	CONDUIT DB 100 4 IN 20 FT LENGTH	486	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	9	CY		C					
I-N			1-4SLS		1-4 IN DB 22.5 D 25 FT R SLURRY ENCASED	8	EA	C		S	C	3373.2	3-WF3	1.3
				321826	4 IN DB 100 22.5 D R BEND	8	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			STUB/M		STUB MARKER FOR UNDERGROUND CONDUIT	1	EA	C		S	C	3377.1	3-WF3	0.1
				476302	MARKER CONDUIT STUB RED	1	EA		C					
				476494	MARKER, BALL, E.F.M.S	1	EA		C					
				809200	WIRE TRACER 14AWG 600V CU SOLID INSULATE	6	FT		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 12,13

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 541 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 541 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-1CT		ASPHALT 1 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N		TC15SL	(EXPL)		3315 TC SLURRY BACKFILL INSTALL COMPLETE	1	EA			S	C	3315.3	C-BH	3.0
													C-DT	3.3
													SR3CS	1.5
													BOOMT	4.8
													3-AF4	3.0
													0-BC	0.2
													3-T2L	0.2
			AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA	C	C					
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY							
			C/P15H		COLD PATCH AND CLEAN-UP 3315 HH	1	EA	C	C					
			114200		ASPHALT (COLD PATCH)	2	TN							
			R/S15H		SPOIL FROM 3315 HH	1	EA	C	C					
			X30007		DUMPING FEE	11	CY							
			SHOR-H		SHORING PRIMARY HANDHOLES	1	EA	C	C					
			X30010		SHORING MATERIAL	39	EA							
			X15H-A		EXCAVATE 3315 HANDHOLE AVERAGE	1	EA	C	C			3315.4		
			601600		ROCK, DRY, 3/8" RECYCLED MATLS PREFERRED	1	TN							
			15H-SL		BACKFILL SLURRY 3315 HH	1	EA	C	C					
			248200		CONCRETE - 1 SACK (SAND MIX)	5	CY							
			3315TC		HANDHOLE 3315 WITH TRAFFIC COVER	1	EA	C	C			3315		
			400308		3315 TRAFFIC COVER HANDHOLE COMPLETE	1	EA							
I-N			RED5-4		CONDUIT BELL REDUCER DB 5 IN TO 4 IN	5	EA	C		S	C	3373.2		
			573384		CONDUIT BELL REDUCER 5 IN TO 4 IN	5	EA							
I-N			RED4-3		CONDUIT BELL REDUCER DB 4 IN TO 3 IN	2	EA	C		S	C	3373.2		
			573380		CONDUIT BELL REDUCER 4 IN TO 3 IN	2	EA							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PH	PRI HANDHOLE		H131699	SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 542 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 542 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	85	FT	C		S	C		SR3AS	2.2
I-N			BH04XH		MACH DIG TRENCH 4 FT DEEP BACKHOE	85	FT	C		S	C	G7453	C-BC	4.3
			X20201		TRAFFIC BEARING STEEL PLATE	85	EA	C					C-BH	4.3
			114215		ASPHALT, COLD MIX	1	TN	C					3SWF4	8.5
I-N			REM-4'		TRENCH SPOIL 4 FT DEPTH	85	FT	C		S	C		C-DT	10.2
			X30007		DUMPING FEE	29	CY	C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	255	FT	C		S	C	G7409	3-WF3	0.5
			656400		SLURRY MIX, 1 SACK SAND	15	CY	C						
I-N			AS-M18		ASPHALT BASE & TOP MECH 18 IN	85	FT	C		S	C		C-BC	5.7
			X20022		GRIND ASPHALT (PER SF)	85	SF	C					SR-3A	5.7
			114201		ASPHALT (BASE)	8	TN	C						
			114202		ASPHALT (TOP)	2	TN	C						
I-N			1EB4SL		1-4 IN EB CONDUIT SLURRY ENCASED	85	FT	C		S	C	3376.1	3-WF3	1.2
			249710		CONDUIT DB 100 4 IN 20 FT LENGTH	85	FT	C						
			656400		SLURRY MIX, 1 SACK SAND	2	CY	C						
I-N			TN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			STUB/M		STUB MARKER FOR UNDERGROUND CONDUIT	1	EA	C		S	C	3377.1	3-WF3	0.1
			476302		MARKER CONDUIT STUB RED	1	EA	C						
			476494		MARKER, BALL, E.F.M.S	1	EA	C						
			809200		WIRE TRACER 14AWG 600V CU SOLID INSULATE	6	FT	C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 543 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 543 OF 587

WRK	F	C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
							RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
						NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 544 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 544 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
					SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 545 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 545 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
								UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	12	FT	C			S	C		SR3AS	0.5
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	12	FT	C			S	C		SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	12	FT	C			S	C	G7453	C-BC	0.5
				X20201	TRAFFIC BEARING STEEL PLATE	9	EA		C					C-BH	0.5
				114215	ASPHALT, COLD MIX	1	TN		C					3SWF4	1.0
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	12	FT	C			S	C		C-DT	1.1
				X30007	DUMPING FEE	3	CY		C						
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	36	FT	C			S	C	G7409	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C						
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	46	FT	C			S	C	3376.1	3-WF3	0.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	46	FT		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA		C		S	C	3373.2	3-WF3	0.1
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT		C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C						
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT		C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 546 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 546 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA	C						
			656400		SLURRY MIX, 1 SACK SAND	1	CY	C						

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 547 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 547 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 548 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 548 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION										

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 549 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 549 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N															
			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1		EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1		EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1		CY		C					

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
			D2164074937		SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 550 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 550 OF 587

WRK F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY RQD	WRK UM	MAT RSP	TIM RSP	ACC TRT	STANDARD TRT	PAGE	CREW TYPE	EST HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20 FT	C		S	C	G7453		3-WF3	7.7
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20 FT	C		S	C			3-WF3 C-BC	0.3 0.3
I-N		SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	20 FT 2 TN	C		S	C	G7405		3-WF3 C-BH C-DP	0.1 0.1 0.1
I-N		1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	20 FT 20 FT	C		S	C	3373.1		3-WF3	0.3
I-N		R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	20 FT 2 CY	C		S	C			C-DT	0.5
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	15 FT	C		S	C			3-WF3	1.5
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5 FT	C		S	C			SR3AS	0.2
I-N		CF-H12		FINISH CONCRETE SURFACE MAN 12 IN	5 FT	C		S	C			SR3CS	
I-N		BH03XH	X20201 114215	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE ASPHALT, COLD MIX	12 FT 9 EA 1 TN	C		S	C	G7453		C-BC C-BH 3SWF4	0.5 0.5 1.0
I-N		REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	12 FT 3 CY	C		S	C			C-DT	1.1
I-N		SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	36 FT 3 CY	C		S	C	G7409		3-WF3	0.1
I-N		1EB3SL	249664 656400	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH SLURRY MIX, 1 SACK SAND	12 FT 12 FT 1 CY	C		S	C	3376.1		3-WF3	0.2
I-N		1-3SLB	322048 656400	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R SLURRY MIX, 1 SACK SAND	1 EA 1 EA 1 CY	C		S	C	3373.2		3-WF3	0.1
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1 EA	C		S	C			TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1 EA	C		S	C			TC4	1.0

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 11

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 551 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 551 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-1CT		ASPHALT 1 SAW CUT AND BREAK MECH	1	FT	C		S	C		SR3AS	
I-N		TC15SL	(EXPL)		3315 TC SLURRY BACKFILL INSTALL COMPLETE	1	EA			S	C	3315.3	C-BH	3.0
													C-DT	3.3
													SR3CS	1.5
													BOOMT	4.8
													3-AF4	3.0
													0-BC	0.2
													3-T2L	0.2
			AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA	C	C					
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY	C	C					
			C/P15H		COLD PATCH AND CLEAN-UP 3315 HH	1	EA	C	C					
			114200		ASPHALT (COLD PATCH)	2	TN	C	C					
			R/S15H		SPOIL FROM 3315 HH	1	EA	C	C					
			X30007		DUMPING FEE	11	CY	C	C					
			SHOR-H		SHORING PRIMARY HANDHOLES	1	EA	C	C					
			X30010		SHORING MATERIAL	39	EA	C	C					
			X15H-A		EXCAVATE 3315 HANDHOLE AVERAGE	1	EA	C	C			3315.4		
			601600		ROCK, DRY, 3/8" RECYCLED MATLS PREFERRED	1	TN	C	C					
			15H-SL		BACKFILL SLURRY 3315 HH	1	EA	C	C					
			248200		CONCRETE - 1 SACK (SAND MIX)	5	CY	C	C					
			3315TC		HANDHOLE 3315 WITH TRAFFIC COVER	1	EA	C	C			3315		
			400308		3315 TRAFFIC COVER HANDHOLE COMPLETE	1	EA	C	C					
I-N			RED5-4		CONDUIT BELL REDUCER DB 5 IN TO 4 IN	5	EA	C		S	C	3373.2		
			573384		CONDUIT BELL REDUCER 5 IN TO 4 IN	5	EA	C						
I-N			RED4-3		CONDUIT BELL REDUCER DB 4 IN TO 3 IN	4	EA	C		S	C	3373.2		
			573380		CONDUIT BELL REDUCER 4 IN TO 3 IN	4	EA	C						
I-N			RED3-2		CONDUIT BELL REDUCER DB 3 IN TO 2 IN	4	EA	C		S	C	3373.2		
			573376		CONDUIT BELL REDUCER 3 IN TO 2 IN	4	EA	C						
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				
I	PH	PRI HANDHOLE		H131700	SEE SHT 12

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 553 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 553 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA		C		S	C	3309.2	3SWF3	0.8
I-N			X09H26	162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA		C		S	C	3309.2	3SWF3	0.8
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C		S	C	3373.2	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT		C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 554 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 554 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
		X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
		114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
		X30007		DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
		656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA		C	S	C		SR3CS	1.0
		248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	76	FT	C		S	C	3376.1	3-WF3	1.1
		249664		CONDUIT DB 3 IN 20 FT LENGTH	76	FT		C					
		656400		SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA		C	S	C	3373.2	3-WF3	0.1
		322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
		656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C	S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C	S	C		TC4	1.0

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 555 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 555 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	5	FT	C		S	C	G7453	3-WF3	2.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	5	FT	C		S	C		3-WF3	0.1
													C-BC	0.1
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	5	FT	C		S	C	G7405	3-WF3	
			611492		SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	5	FT	C		S	C	3373.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	5	FT	C		S	C		C-DT	0.1
			X30007		DUMPING FEE	1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C	TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C	TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 556 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 556 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	5	FT	C		S	C	G7453	3-WF3	2.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	5	FT	C		S	C		3-WF3	0.1
													C-BC	0.1
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	5	FT	C		S	C	G7405	3-WF3	
						1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	5	FT	C		S	C	3373.1	3-WF3	0.1
						5	FT		C					
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	5	FT	C		S	C		C-DT	0.1
						1	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	5	FT	C		S	C		3-WF3	0.5
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 557 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 557 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT		C		S	C	G7453	3-WF3	7.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT		C		S	C		3-WF3	0.3
														C-BC	0.3
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	20	FT		C		S	C	G7405	3-WF3	0.1
														C-BH	0.1
														C-DT	0.1
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C		S	C	3373.1	3-WF3	0.3
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	20	FT		C		S	C		C-DT	0.5
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	20	FT		C		S	C		SR3AS	0.8
I-N			CC-M12	248204	CONCRETE REPAIR FOR TRENCH MECH 12 IN CONCRETE - 5 SACK (3/4" ROCK MIX)	20	FT		C		S	C		C-BC	0.1
														SR3CS	0.1
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	26	EA		C		S	C	G7453	C-BC	1.0
				114215	ASPHALT, COLD MIX	20	EA		C		S	C		C-BH	1.0
														3SWF4	2.1
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	26	FT		C		S	C		C-DT	2.3
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	78	FT		C		S	C	G7409	3-WF3	0.2
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	26	FT		C		S	C	3376.1	3-WF3	0.4
				656400	SLURRY MIX, 1 SACK SAND	26	FT		C		S	C			
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C		SR-3C	1.5
I-N			CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	3	EA		C		S	C		SR3CS	3.0
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 2

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 558 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 558 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	43	FT	C		S	C	G7453	3-WF3	16.0
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	43	FT	C		S	C		3-WF3	0.6
													C-BC	0.6
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	43	FT	C		S	C	G7405	3-WF3	0.1
				611492	SAND, FILL RECYCLED MATLS PREFERRED	3	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	43	FT	C		S	C	3373.1	3-WF3	0.6
				249664	CONDUIT DB 3 IN 20 FT LENGTH	43	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	43	FT	C		S	C		C-DT	1.1
				X30007	DUMPING FEE	4	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	43	FT	C		S	C		SR3AS	1.7
I-N			CC-M12		CONCRETE REPAIR FOR TRENCH MECH 12 IN	43	FT	C		S	C		C-BC	0.1
				248204	CONCRETE - 5 SACK (3/4" ROCK MIX)	3	CY		C				SR3CS	0.3
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	5	FT	C		S	C		SR3AS	0.2
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	5	FT	C		S	C		SR3CS	

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 559 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 559 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	85	FT	C		S	C	G7453	3-WF3	31.1
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	85	FT	C		S	C		3-WF3	1.3
												C-BC	1.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	85	FT	C		S	C	G7405	3-WF3	0.3
			611492	SAND, FILL RECYCLED MATLS PREFERRED	5	TN		C				C-BH	0.3
												C-DT	0.3
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	85	FT	C		S	C	3373.1	3-WF3	1.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	85	FT		C					
I-N		1DB3-8		1-3 IN DB 45 D 36 IN R BEND PRI	2	EA	C		S	C	3373.2	3-WF3	
			321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	2	EA		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	85	FT	C		S	C		C-DT	2.1
			X30007	DUMPING FEE	8	CY		C					
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	85	FT	C		S	C		SR3AS	2.2
I-N		AS-M12		ASPHALT BASE & TOP MECH 12 IN	85	FT	C		S	C		C-BC	5.7
			X20022	GRIND ASPHALT (PER SF)	85	SF		C				SR-3A	5.7
			114201	ASPHALT (BASE)	7	TN		C					
			114202	ASPHALT (TOP)	2	TN		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 560 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 560 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	10	FT	C		S	C	G7453	3-WF3	4.1
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	10	FT	C		S	C		3-WF3	0.2
													C-BC	0.2
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	10	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN						C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	10	FT	C		S	C	3373.1	3-WF3	0.2
				249664	CONDUIT DB 3 IN 20 FT LENGTH	10	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	10	FT	C		S	C		C-DT	0.3
				X30007	DUMPING FEE	1	CY			C				
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	10	FT	C		S	C		SR3AS	0.4
I-N			CC-M12		CONCRETE REPAIR FOR TRENCH MECH 12 IN	10	FT	C		S	C		C-BC	
				248204	CONCRETE - 5 SACK (3/4" ROCK MIX)	1	CY			C			SR3CS	0.1
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
				X20201	TRAFFIC BEARING STEEL PLATE	4	EA			C			C-BH	0.2
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
				X30007	DUMPING FEE	2	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	5	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA			S	C	3373.2	3-WF3	0.1
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA			S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA			S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 561 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 561 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	4	FT	C		S	C	G7453	3-WF3	1.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	4	FT	C		S	C		3-WF3	0.1
													C-BC	0.1
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	4	FT	C		S	C	G7405	3-WF3	
				611492	SAND, FILL RECYCLED MATLS PREFERRED	1	TN		C				C-BH	
													C-DT	
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	4	FT	C		S	C	3373.1	3-WF3	0.1
				249664	CONDUIT DB 3 IN 20 FT LENGTH	4	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	4	FT	C		S	C		C-DT	0.1
				X30007	DUMPING FEE	1	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	4	FT	C		S	C		SR3AS	0.2
I-N			CC-M12		CONCRETE REPAIR FOR TRENCH MECH 12 IN	4	FT	C		S	C		C-BC	
				248204	CONCRETE - 5 SACK (3/4" ROCK MIX)	1	CY		C				SR3CS	
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	165	FT	C		S	C	G7453	C-BC	6.6
				X20201	TRAFFIC BEARING STEEL PLATE	124	EA		C				C-BH	6.6
				114215	ASPHALT, COLD MIX	2	TN		C				3SWF4	13.2
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	165	FT	C		S	C		C-DT	14.5
				X30007	DUMPING FEE	42	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	330	FT	C		S	C	G7409	3-WF3	0.7
				656400	SLURRY MIX, 1 SACK SAND	19	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	125	FT	C		S	C	3376.1	3-WF3	1.8
				249664	CONDUIT DB 3 IN 20 FT LENGTH	125	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	3	CY		C					
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA		C	S	C	3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA		C	S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA		C	S	C		TC4	1.0
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	169	FT	C		S	C		SR3AS	6.8
I-N			CF-H18		FINISH CONCRETE SURFACE MAN 18 IN	169	FT	C		S	C		SR3CS	0.7

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
LOCATION: 561 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 561 OF 587

WORK	FAC				
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 562 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 562 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	10	EA	C		S	C	3313	BOOMT	30.0
				400302	3313 TRAFFIC COVER HANDHOLE COMPLETE	10	EA			C			3-AF4	5.0
I-N			X13H-A		EXCAVATE 3313 HANDHOLE	1	EA	C		S	C	3313.2	3SWF3	0.4
I-N			CC-1CT		CONCRETE 1 SAW CUT	1	FT	C		S	C		SR3AS	
I-N			AD-P-H		ADJUST HH TO GRADE (IN PKY OR NEW CONST)	1	EA	C		S	C		SR3CS	1.5
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C			BOOMT	4.0
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 563 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 563 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	20	FT	C		S	C	G7453	3-WF3	7.7
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	20	FT	C		S	C		3-WF3	0.3
												C-BC	0.3
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	20	FT	C		S	C	G7405	3-WF3	0.1
			611492	SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
												C-DT	0.1
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	20	FT	C		S	C	3373.1	3-WF3	0.3
			249664	CONDUIT DB 3 IN 20 FT LENGTH	20	FT		C					
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	20	FT	C		S	C		C-DT	0.5
			X30007	DUMPING FEE	2	CY		C					
I-N		CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.8
I-N		CC-M12		CONCRETE REPAIR FOR TRENCH MECH 12 IN	20	FT	C		S	C		G-BC	0.1
			248204	CONCRETE - 5 SACK (3/4" ROCK MIX)	2	CY		C				SR3CS	0.1
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201	TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215	ASPHALT, COLD MIX	1	TN		C				SSWF4	0.4
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007	DUMPING FEE	2	CY		C					
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	75	FT	C		S	C	3376.1	3-WF3	1.1
			249664	CONDUIT DB 3 IN 20 FT LENGTH	75	FT		C					
			656400	SLURRY MIX, 1 SACK SAND	2	CY		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC												
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES								

SEE SHT 4

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 564 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 564 OF 587

[WRK]	[F-C]	[MU ID]	[AU ID]	[STOCK#]	DESCRIPTION/CONSTRUCTION NOTES	QTY	[WRK]	[MAT]	[TIM]	[ACC]	STANDARD	CREW	EST	
						RQD	[UM]	[RSP]	[RSP]	[TRT]	[TRT]	PAGE	[TYPE]	[HOURS]
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	52	FT	C		S	C	G7453	3-WF3	19.2
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	52	FT	C		S	C		3-WF3	0.8
													C-BC	0.8
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	52	FT	C		S	C	G7405	3-WF3	0.2
			611492		SAND, FILL RECYCLED MATLS PREFERRED	3	TN			C			C-BH	0.2
													C-DT	0.2
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	52	FT	C		S	C	3373.1	3-WF3	0.8
			249664		CONDUIT DB 3 IN 20 FT LENGTH	52	FT			C				
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	52	FT	C		S	C		C-DT	1.3
			X30007		DUMPING FEE	5	CY			C				
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	20	FT	C		S	C		SR3AS	0.8
I-N			CC-M12		CONCRETE REPAIR FOR TRENCH MECH 12 IN	20	FT	C		S	C		C-BC	0.1
			248204		CONCRETE - 5 SACK (3/4" ROCK MIX)	2	CY			C			SR3CS	0.1
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	48	FT	C		S	C	3376.1	3-WF3	0.7
			249664		CONDUIT DB 3 IN 20 FT LENGTH	48	FT			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			321878		BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA			C				
			656400		SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST	TAG	NEW	TAG								CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 565 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 565 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	107	FT	C		S	C	G7453	3-WF3	39.0
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	107	FT	C		S	C		3-WF3	1.6
												C-BC	1.6
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	107	FT	C		S	C	G7405	3-WF3	0.3
			611492	SAND, FILL RECYCLED MATLS PREFERRED	6	TN	C					C-BH	0.3
												C-DT	0.3
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	107	FT	C		S	C	3373.1	3-WF3	1.6
			249664	CONDUIT DB 3 IN 20 FT LENGTH	107	FT	C						
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	107	FT	C		S	C		C-DT	2.7
			X30007	DUMPING FEE	10	CY	C						
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	107	FT	C		S	C		SR3AS	2.8
I-N		AS-M12		ASPHALT BASE & TOP MECH 12 IN	107	FT	C		S	C		C-BC	7.2
			X20022	GRIND ASPHALT (PER SF)	107	SF	C					SR-3A	7.2
			114201	ASPHALT (BASE)	8	TN	C						
			114202	ASPHALT (TOP)	2	TN	C						
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	107	FT	C		S	C	3376.1	3-WF3	1.5
			249664	CONDUIT DB 3 IN 20 FT LENGTH	107	FT	C						
			656400	SLURRY MIX, 1 SACK SAND	3	CY	C						
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	48	FT	C		S	C	G7453	C-BC	1.9
			X20201	TRAFFIC BEARING STEEL PLATE	36	EA	C					C-BH	1.9
			114215	ASPHALT, COLD MIX	1	TN	C					3SWF4	3.8
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	48	FT	C		S	C		C-DT	4.2
			X30007	DUMPING FEE	12	CY	C						
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	147	FT	C		S	C	G7409	3-WF3	0.3
			656400	SLURRY MIX, 1 SACK SAND	9	CY	C						
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	48	FT	C		S	C	3376.1	3-WF3	0.7
			249664	CONDUIT DB 3 IN 20 FT LENGTH	48	FT	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
			321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA	C						
			656400	SLURRY MIX, 1 SACK SAND	1	CY	C						
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 565 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 565 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N		LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0
I-N		XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
			114215	ASPHALT, COLD MIX	1	TN		C					
I-N		XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 566 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 566 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	1		EA	C		S	C	3313	BOOMT	3.0
			400302		3313 TRAFFIC COVER HANDHOLE COMPLETE	1		EA		C				3-AP4	0.5
I-N			X13H-A		EXCAVATE 3313 HANDHOLE	1		EA	C		S	C	3313.2	3SWF3	0.4
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3		EA	C		S	C	3373.2	3-WF3	0.2
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	3		EA		C					
			656400		SLURRY MIX, 1 SACK SAND	1		CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1		EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1		EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 567 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 567 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	90	FT	C		S	C	G7453	3-WF3	32.9
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	90	FT	C		S	C		3-WF3	1.4
													C-BC	1.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	90	FT	C		S	C	G7405	3-WF3	0.3
			611492		SAND, FILL RECYCLED MATLS PREFERRED	5	TN		C				C-BH	0.3
													C-DT	0.3
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	70	FT	C		S	C	3373.1	3-WF3	1.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	70	FT		C					
I-N			1DB3SS		1-3 IN DB 22.5 D 25 FT R BEND SEC	2	EA	C		S	C	3373.2	3-WF3	0.1
			322144		BEND CONDUIT DB 3 IN 22.5 D 25 FT R	2	EA		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	90	FT	C		S	C		C-DT	2.3
			X30007		DUMPING FEE	9	CY		C					
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	64	FT	C		S	C		SR3AS	1.7
I-N			AB-M18		ASPHALT BASE MECH 18 IN	64	FT	C		S	C		C-BC	1.7
			114201		ASPHALT (BASE)	7	TN		C				SR4AL	1.7
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 568 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 568 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	1	EA	C		S	C	3313	BOOMT	3.0
				400302	3313 TRAFFIC COVER HANDHOLE COMPLETE	1	EA						3-AF4	0.5
I-N			X13H-A		EXCAVATE 3313 HANDHOLE	1	EA	C		S	C	3313.2	3SWF3	0.4
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA							
				656400	SLURRY MIX, 1 SACK SAND	1	CY							
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 569 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 569 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	94	FT	C		S	C	G7453	3-WF3	34.3
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	94	FT	C		S	C		3-WF3	1.4
												C-BC	1.4
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	94	FT	C		S	C	G7405	3-WF3	0.3
			611492	SAND, FILL RECYCLED MATLS PREFERRED	5	TN			C			C-BH	0.3
												C-DT	0.3
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	94	FT	C		S	C	3373.1	3-WF3	1.4
			249664	CONDUIT DB 3 IN 20 FT LENGTH	94	FT			C				
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	94	FT	C		S	C		C-DT	2.4
			X30007	DUMPING FEE	9	CY			C				
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	94	FT	C		S	C		SR3AS	2.4
I-N		AB-M18		ASPHALT BASE MECH 18 IN	94	FT	C		S	C		C-BC	2.5
			114201	ASPHALT (BASE)	11	TN			C			SR4AL	2.5

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 570 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 570 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	50	FT	C		S	C	G7453	3-WF3	18.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	50	FT	C		S	C		3-WF3	0.8
													C-BC	0.8
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	50	FT	C		S	C	G7405	3-WF3	0.2
						3	TN						C-BH	0.2
													C-DT	0.2
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	50	FT	C		S	C	3373.1	3-WF3	0.8
						50	FT							
I-N			1DB3-S	321878	1-3 IN DB 45 D 36 IN R BEND PRI BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA	C		S	C	3373.2	3-WF3	
						1	EA							
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	50	FT	C		S	C		C-DT	1.3
						5	CY							
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	50	FT	C		S	C		SR3AS	1.3
I-N			AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	50	FT	C		S	C		C-BC	1.4
						6	TN						SR4AL	1.4

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 571 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 571 OF 587

WRK	F-C	MU ID	1AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			330926		HAND HOLE 3309.2 37"X 26" X 26"	1 EA	C		S		C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1 EA		C						
I-N			X09H26		INSTALL EXCAVATION/REMOVE	1 EA	C		S		C	3309.2	3SWF3	0.8
				162690	QUAZITE BOX 37"X26"26"	1 EA		C						
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3 EA	C		S		C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3 EA		C						
				656400	SLURRY MIX, 1 SACK SAND	1 CY		C						
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	1 FT	C		S		C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 573 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 573 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
P-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926		HAND HOLE 3309.2 37"X 26" X 26"	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		X09H26		INSTALL EXCAVATION/REMOVE	1	EA	C		S	C	3309.2	3SWF3	0.8
			162690	QUAZITE BOX 37"X26"26"	1	EA		C					
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
			656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
PUNC	CODE				

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 574 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 574 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3	HD-A	HAND DIG TRENCH 3 FT DEEP AVE	100	FT		C		S	C	G7453	3-WF3	36.5
I-N				BKF-3'	BACKFILL TRENCH 3 FOOT DEEP	100	FT		C		S	C		3-WF3	1.5
														C-BC	1.5
I-N			SHD-12	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	100	FT		C		S	C	G7405	3-WF3	0.3
						6	TN		C					C-BH	0.3
														C-DT	0.3
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	100	FT		C		S	C	3373.1	3-WF3	1.5
I-N			1DB3-8	321878	1-3 IN DB 45 D 36 IN R BEND PRI BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C		S	C	3373.2	3-WF3	
I-N			1DB3-B	322048	1-3 IN DB 90 D 36 IN R BEND PRI BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C		S	C	3373.2	3-WF3	
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	100	FT		C		S	C		C-DT	2.5
						9	CY		C						
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	100	FT		C		S	C		SR3AS	2.6
I-N			AB-M18	114201	ASPHALT BASE MECH 18 IN ASPHALT (BASE)	100	FT		C		S	C		C-BC	2.7
						11	TN		C					SR4AL	2.7

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 575 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 575 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	77	FT	C		S	C	G7453	3-WF3	28.2
I-N		BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	77	FT	C		S	C		3-WF3	1.2
												C-BC	1.2
I-N		SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	77	FT	C		S	C	G7405	3-WF3	0.2
			611492	SAND, FILL RECYCLED MATLS PREFERRED	4	TN			C			C-BH	0.2
												C-DT	0.2
I-N		1DB3-S		1-3 IN DB CONDUIT SEC	77	FT	C		S	C	3373.1	3-WF3	1.2
			249664	CONDUIT DB 3 IN 20 FT LENGTH	77	FT			C				
I-N		R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	77	FT	C		S	C		C-DT	1.9
			X30007	DUMPING FEE	7	CY			C				
I-N		AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	62	FT	C		S	C		SR3AS	1.6
I-N		AS-M12		ASPHALT BASE & TOP MECH 12 IN	62	FT	C		S	C		C-BC	4.2
			X20022	GRIND ASPHALT (PER SF)	62	SF			C			SR-3A	4.2
			114201	ASPHALT (BASE)	5	TN			C				
			114202	ASPHALT (TOP)	2	TN			C				
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	12	FT	C		S	C		3-WF3	1.2
I-N		BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	36	FT	C		S	C	G7453	C-BC	1.4
			X20201	TRAFFIC BEARING STEEL PLATE	27	EA			C			C-BH	1.4
			114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	2.9
I-N		REM-3'		TRENCH SPOIL 3 FT DEPTH	36	FT	C		S	C		C-DT	3.2
			X30007	DUMPING FEE	9	CY			C				
I-N		SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	108	FT	C		S	C	G7409	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	7	CY			C				
I-N		1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	36	FT	C		S	C	3376.1	3-WF3	0.5
			249664	CONDUIT DB 3 IN 20 FT LENGTH	36	FT			C				
			656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	1	EA			C		3373.2	3-WF3	0.1
			322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA			C				
			656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N		CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA			C			SR3CS	1.0
			248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				

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DPSS - DESIGN REVIEW COPY - DETAIL

PAGE NO 660

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
LOCATION: 575 SHEET: 02 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 575 OF 587

WORK FUNC	FAC CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
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SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 576 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 576 OF 587

WRK	F-C	MU ID	AV ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	1	EA	C		S	C	3313	BOOMT	3.0
				400302	3313 TRAFFIC COVER HANDHOLE COMPLETE	1	EA			C			3-AF4	0.5
I-N		X13H-A			EXCAVATE 3313 HANDHOLE	1	EA	C		S	C	3313.2	3SWF3	0.4
I-N		1-3SLB			1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N		LN-S/U			TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N		LN/S/S			LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 577 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 577 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	31	FT	C		S	C	G7453	3-WF3	11.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	31	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	31	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BR	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	31	FT	C		S	C	3373.1	3-WF3	0.5
			249664		CONDUIT DB 3 IN 20 FT LENGTH	31	FT		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	31	FT	C		S	C		C-DT	0.8
			X30007		DUMPING FEE	3	CY		C					
I-N			CC-2CT		CONCRETE 2 SAW CUT AND BREAK MECH	31	FT	C		S	C		SR3AS	1.2
I-N			CC-M18		CONCRETE REPAIR FOR TRENCH MECH 18 IN	31	FT	C		S	C		O-BC	0.1
			248204		CONCRETE - 5 SACK (3/4" ROCK MIX)	3	CY		C				SWF4B	0.5

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 578 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 578 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3313TC		HANDHOLE 3313 WITH TRAFFIC COVER	1	EA	C		S	C	3313	BOOMT	3.0
				400302	3313 TRAFFIC COVER HANDHOLE COMPLETE	1	EA		C				3-AF4	0.5
I-N			X13H-A		EXCAVATE 3313 HANDHOLE	1	EA	C		S	C	3313.2	3SWF3	0.4
I-N			1-3SLB		1-3 IN DB 90 D 36 IN R BEND SLURRY ENC	3	EA	C		S	C	3373.2	3-WF3	0.2
				322048	BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 579 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 579 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	30	FT	C		S	C	G7453	3-WF3	11.3
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	30	FT	C		S	C		3-WF3	0.5
													C-BC	0.5
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	30	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	30	FT	C		S	C	3373.1	3-WF3	0.5
			249664		CONDUIT DB 3 IN 20 FT LENGTH	30	FT		C					
I-N			1DB3SB		1-3 IN DB 90 D 36 IN R BEND SEC	1	EA	C		S	C	3373.2	3-WF3	
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	30	FT	C		S	C		C-DT	0.8
			X30007		DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	30	FT	C		S	C		3-WF3	3.0
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 580 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 580 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
													PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	70	FT		C		S	C	G7453	3-WF3	25.7
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	70	FT		C		S	C		3-WF3	1.1
														C-BC	1.1
I-N			SHD-12'	611492	SHADE TRENCH WITH SAND - 12 INCH WIDTH SAND, FILL RECYCLED MATLS PREFERRED	70	FT		C		S	C	G7405	3-WF3	0.2
						4	TN		C					C-BH	0.2
														C-DT	0.2
I-N			1DB3-S	249664	1-3 IN DB CONDUIT SEC CONDUIT DB 3 IN 20 FT LENGTH	70	FT		C		S	C	3373.1	3-WF3	1.1
I-N			R-XCES	X30007	EXCESS TRENCH SPOIL (12 IN DEEP) DUMPING FEE	70	FT		C		S	C		C-DT	1.8
						7	CY		C						
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	58	FT		C		S	C		SR3AS	1.5
I-N			AS-M12	X20022	ASPHALT BASE & TOP MECH 12 IN GRIND ASPHALT (PER SF)	58	FT		C		S	C		C-BC	3.9
				114201	ASPHALT (BASE)	5	TN		C					SR-3A	3.9
				114202	ASPHALT (TOP)	2	TN		C						
I-N			BH03XH	X20201	MACH DIG TRENCH 3 FT DEEP BACKHOE TRAFFIC BEARING STEEL PLATE	15	FT		C		S	C	G7453	C-BC	0.6
				114215	ASPHALT, COLD MIX	12	EA		C					C-BH	0.6
						1	TN		C					3SWF4	1.2
I-N			REM-3'	X30007	TRENCH SPOIL 3 FT DEPTH DUMPING FEE	15	FT		C		S	C		C-DT	1.3
						4	CY		C						
I-N			SLR-18	656400	BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP SLURRY MIX, 1 SACK SAND	45	FT		C		S	C	G7409	3-WF3	0.1
						3	CY		C						
I-N			1EB3SL	249664	1-3 IN EB CONDUIT SLURRY ENCASED CONDUIT DB 3 IN 20 FT LENGTH	15	FT		C		S	C	3376.1	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C						
I-N			1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C		S	C	3373.2	3-WF3	0.1
				656400	SLURRY MIX, 1 SACK SAND	1	EA		C						
						1	CY		C						
I-N			SAW-CC		SAW CUT CONCRETE	10	FT		C		S	C		SR-3C	1.5
I-N			CC-WLK	248205	CONCRETE SIDEWALK SECTION (5X5) FINISHED CONCRETE - 6 SACK (3/4" ROCK MIX)	1	EA		C		S	C		SR3CS	1.0
						1	CY		C						

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 8

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 581 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 581 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	28	FT	C		S	C		SR3AS	0.7
I-N			AB-M18		ASPHALT BASE MECH 18 IN	28	FT	C		S	C		C-BC	0.8
				114201	ASPHALT (BASE)	4	TN		C				SR4AL	0.8
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	36	FT	C		S	C	G7453	C-BC	1.4
				X20201	TRAFFIC BEARING STEEL PLATE	27	EA		C				C-BH	1.4
				114215	ASPHALT, COLD MIX	1	TN		C				3SWF4	2.9
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	36	FT	C		S	C		C-DT	3.2
				X30007	DUMPING FEE	9	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	108	FT	C		S	C	G7409	3-WF3	0.2
				656400	SLURRY MIX, 1 SACK SAND	7	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	36	FT	C		S	C	3376.1	3-WF3	0.5
				249664	CONDUIT DB 3 IN 20 FT LENGTH	36	FT		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	1	EA	C		S	C	3373.2	3-WF3	0.1
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	1	EA		C					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN		C					
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK FAC
 FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 582 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 582 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			3'HD-A		HAND DIG TRENCH 3 FT DEEP AVE	25	FT	C		S	C	G7453	3-WF3	9.5
I-N			BKF-3'		BACKFILL TRENCH 3 FOOT DEEP	25	FT	C		S	C		3-WF3	0.4
													C-BC	0.4
I-N			SHD-12		SHADE TRENCH WITH SAND - 12 INCH WIDTH	25	FT	C		S	C	G7405	3-WF3	0.1
			611492		SAND, FILL RECYCLED MATLS PREFERRED	2	TN		C				C-BH	0.1
													C-DT	0.1
I-N			1DB3-S		1-3 IN DB CONDUIT SEC	25	FT	C		S	C	3373.1	3-WF3	0.4
			249664		CONDUIT DB 3 IN 20 FT LENGTH	25	FT		C					
I-N			1DB3SB		1-3 IN DB 90 D 36 IN R BEND SEC	1	EA	C		S	C	3373.2	3-WF3	
			322048		BEND CONDUIT DB 3 IN 90 D 36 IN R	1	EA		C					
I-N			R-XCES		EXCESS TRENCH SPOIL (12 IN DEEP)	25	FT	C		S	C		C-DT	0.6
			X30007		DUMPING FEE	3	CY		C					
I-N			PLANTU		REMOVE/REPLACE LANDSCAPING	25	FT	C		S	C		3-WF3	2.5
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
			248205		CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY		C					
I-N			BH03XH		MACH DIG TRENCH 3 FT DEEP BACKHOE	5	FT	C		S	C	G7453	C-BC	0.2
			X20201		TRAFFIC BEARING STEEL PLATE	4	EA		C				C-BH	0.2
			114215		ASPHALT, COLD MIX	1	TN		C				3SWF4	0.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	5	FT	C		S	C		C-DT	0.4
			X30007		DUMPING FEE	2	CY		C					
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	15	FT	C		S	C	G7409	3-WF3	
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	5	FT	C		S	C	3376.1	3-WF3	0.1
			249664		CONDUIT DB 3 IN 20 FT LENGTH	5	FT		C					
			656400		SLURRY MIX, 1 SACK SAND	1	CY		C					
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 583 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 583 OF 587

WRK	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
F-C					RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N		330926	162690	HAND HOLE 3309.2 37"X 26" X 26" QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N		X09H26	162690	INSTALL EXCAVATION/REMOVE QUAZITE BOX 37"X26"26"	1	EA	C		S	C	3309.2	3SWF3	0.8
I-N		1-3SLB	322048	1-3 IN DB 90 D 36 IN R BEND SLURRY ENC BEND CONDUIT DB 3 IN 90 D 36 IN R	3	EA	C		S	C	3373.2	3-WF3	0.2
			656400	SLURRY MIX, 1 SACK SAND	1	CY							
I-N		PLANTU		REMOVE/REPLACE LANDSCAPING	1	FT	C		S	C		3-WF3	0.1

WORK FAC
FUNC CODE DESC EXIST TAG NEW TAG CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 584 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 584 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			AS-2CT		ASPHALT 2 SAW CUT AND BREAK MECH	42	FT	C		S	C		SR3AS	1.1
I-N			AB-M18		ASPHALT BASE MECH 18 IN	42	FT	C		S	C		C-BC	1.1
				114201	ASPHALT (BASE)	5	TN			C			SR4AL	1.1
I-N			BH03XR		MACH DIG TRENCH 3 FT DEEP BACKHOE	68	FT	C		S	C	G7453	C-BC	2.7
				X20201	TRAFFIC BEARING STEEL PLATE	51	EA			C			C-BH	2.7
				114215	ASPHALT, COLD MIX	1	TN			C			3SWF4	5.4
I-N			REM-3'		TRENCH SPOIL 3 FT DEPTH	68	FT	C		S	C		C-DT	6.0
				X30007	DUMPING FEE	17	CY			C				
I-N			SLR-18		BACKFILL SLURRY 18 IN WIDE X 12 IN DEEP	204	FT	C		S	C	G7409	3-WF3	0.4
				656400	SLURRY MIX, 1 SACK SAND	12	CY			C				
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	28	FT	C		S	C	3376.1	3-WF3	0.4
				249664	CONDUIT DB 3 IN 20 FT LENGTH	28	FT			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			1-3SLS		1-3 IN DB 22.5 D 25 FT R SLURRY ENCASED	4	EA	C		S	C	3373.2	3-WF3	0.7
				322144	BEND CONDUIT DB 3 IN 22.5 D 25 FT R	4	EA			C				
				656400	SLURRY MIX, 1 SACK SAND	1	CY			C				
I-N			SAW-CC		SAW CUT CONCRETE	10	FT	C		S	C		SR-3C	1.5
I-N			CC-WLK		CONCRETE SIDEWALK SECTION (5X5) FINISHED	1	EA	C		S	C		SR3CS	1.0
				248205	CONCRETE - 6 SACK (3/4" ROCK MIX)	1	CY			C				
I-N			XING-U		TC-TRAFFIC CONDITIONS STREET CROSSINGS	1	FT	C		S	C		TC4	0.1
				114215	ASPHALT, COLD MIX	1	TN			C				
I-N			XING/S		TRAFFIC COND. (XING LANE) STREET REPAIR	1	FT	C		S	C		TC4	0.1
I-N			LN-S/U		TC-LANE CLOSURE URBAN STREET	1	EA	C		S	C		TC3	1.0
I-N			LN/S/S		LANE CLOSURE URBAN ST (STREET REPAIR)	1	EA	C		S	C		TC4	1.0

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 585 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 585 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	RQD	UM	WRK	MAT	TIM	ACC	STANDARD	CREW	EST
									RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION										

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES
FUNC	CODE				

SEE SHT 5

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700

DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT

LOCATION: 586 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 586 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
					NO DESIGN UNITS FOR THIS LOCATION									

WORK	FAC	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES

SEE SHT 9

PROJECT: 253568 JOB:01 REV:0 TYPE: UD NAME: ROLANDO BLK 7G2 -T&C JOB 1 STATUS: ACT WORK ORDER: 2960700
 DESIGN: 01 NAME: ROLANDO BLK 7G2 T&C JOB 1 STATUS: ACT
 LOCATION: 587 SHEET: 01 DISTRICT: CM DESIGNED BY: GEORGE BONNER PHONE: 999-9999 LOCATION 587 OF 587

WRK	F-C	MU ID	AU ID	STOCK#	DESCRIPTION/CONSTRUCTION NOTES	QTY	WRK	MAT	TIM	ACC	STANDARD	CREW	EST	
						RQD	UM	RSP	RSP	TRT	TRT	PAGE	TYPE	HOURS
I-N			1EB3SL		1-3 IN EB CONDUIT SLURRY ENCASED	47	FT	U		S	C	3376.1	3-WF3	0.7
				249664	CONDUIT DB 3 IN 20 FT LENGTH	47	FT		U					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		U					
I-N			1-3SL8		1-3 IN DB 45 D 36 IN R BEND SLURRY ENC	2	EA	U		S	C	3373.2	3-WF3	0.1
				321878	BEND CONDUIT DB 3 IN 45 D 36 IN R	2	EA		U					
				656400	SLURRY MIX, 1 SACK SAND	1	CY		U					

WORK	FAC													
FUNC	CODE	DESC	EXIST TAG	NEW TAG	CONSTRUCTION NOTES									
NO FACILITY TAGS FOUND					NO LOCATION CONSTRUCTION NOTES FOUND									

**UTILITIES UNDERGROUNDING
PROGRAM
Block 7G2
SDG&E
Service Worksheet**

SYMBOL	PROPERTY ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS	COND. ADDRESS
	6113 ACORN ST	6567563	1-3"	3	U1P-#2	66	169-95	169-248												
	6115 ACORN ST																			
	6125 ACORN ST	5523147	1-3"	3	U1P-#2	86	169-95	169-248												
	6127 ACORN ST	5523146																		
Y	6126 ACORN ST	5993184				85	169-95	169-248												
	6130 ACORN ST	5523149	1-3"	3	U1P-#2	52	169-95	169-248	Y	100	MR	PC	WEST WALL BEYOND EX. MTRS	Y	21	10				5
	6132 ACORN ST	5540885																		
	6134 ACORN ST	5540883																		
	6136 ACORN ST	5540882																		
	6138 ACORN ST	5540861																		
	6138 1/2 ACORN ST	5540860																		
	6138 ACORN ST HM	5540884																		
	6140 ACORN ST	5540858																		
	6140 1/2 ACORN ST	5540859																		
	6135 ACORN ST	5523151	1-3"	3	U1P-#2	63	169-95	169-248	Y	100	MR	PC	EAST WALL BEYOND EX. MTR	Y	21	21				6
	6137 ACORN ST	5523152																		
	6146 ACORN ST	5540836	1-3"	3	U1P-#2	32	169-95	169-248												
	6148 ACORN ST	5540835																		
	6148 1/2 ACORN ST	5540834																		
	6150 ACORN ST	5540837																		
	6145 ACORN ST	5523150	1-3"	3	U1P-#2	63	169-95	169-248												
	6147 ACORN ST	5523153																		
	6156 ACORN ST	5540810	1-3"	3	U1P-#2	41	169-95	169-248	Y	400	MR	CC	WEST WALL AT EX. MTR							21
	6158 ACORN ST	5540811																		
	6160 ACORN ST	5540891																		
	6162 1/2 ACORN ST	5540812																		
	6162 ACORN ST	5540813	1-3"	3	U1P-#2	89	169-95	169-248												
	6155 ACORN ST	5523175	1-3"	3	U1P-#2	44	169-95	169-248												
	6157 ACORN ST	5523176																		
	6165 ACORN ST	5523177	1-3"	3	U1P-#2	26	169-95	169-248												
	6167 ACORN ST	5523174																		
	6207 ACORN ST	5625537	1-3"	3	U1P-#2	26	RD4-71	169-253												
	6175 ACORN ST	5523198	1-3"	3	U1P-#2	28	169-95	169-248												
	6177 ACORN ST	5523201																		
	6185 ACORN ST	5710260	1-3"	3	U1P-#2	51	169-95	169-248												
	6217 ACORN ST	5905834	1-3"	3	U1P1/0	172	RD4-71	169-253												
	6225 ACORN ST 37	5632065	1-3"	3	U1P350	42	RD4-71	169-256	Y	200	MR	PC	East Wall South of Ex. Mtr							
	6225 ACORN ST 38	5631982																		
	6225 ACORN ST 39	5632016																		
	6225 ACORN ST 40	5741931																		
	6225 ACORN ST 41	5632039																		
	6225 ACORN ST 42	5632062																		
	6225 ACORN ST 53	5632015																		
	6225 ACORN ST 54	5631985																		
	6225 ACORN ST 55	5631984																		
	6225 ACORN ST 56	5632038																		
	6225 ACORN ST 57	5632041																		
	6225 ACORN ST 58	5632014																		
	6225 ACORN ST 59	5631983																		
	6255 ACORN ST HM	5632017																		
	6225 ACORN ST 43	5632007	1-3"	3	U1P350	110	RD4-71	169-256	Y	200	MR	PC	Wire out to South Wall East of ex. Mtr							
	6225 ACORN ST 44	5905762																		
	6225 ACORN ST 45	5632030																		
	6225 ACORN ST 46	5632008																		

EXIST/UG	PROPERTY ADDRESS	MTR #	COND. SIZE	NO. WIRES	IMP.#	CABLE TYPE	OLD XFMR	NW XFMR	2ND SURF	MIN SIZE	PC	PC LOCATION	REL WALL	DIRT/CAND	ASPH CONC	COES FID
	6225 ACORN ST 47	5632009														
	6225 ACORN ST 48	5632032														
	6225 ACORN ST 49	5632008														
	6225 ACORN ST 50	5632033														
	6225 ACORN ST 51	5632031														
	6225 ACORN ST 52	5632063														
	6225 ACORN ST HM	5632064														
	6263 ACORN ST 10	5625512	1-3"	3	U1P1/0	107	RD4-110	169-256	Y	200	MR	CC	Wire out to West wall at ex. Mtr		91	
	6263 ACORN ST 11	5625487														
	6263 ACORN ST 12	5625510														
	6263 ACORN ST 14	5625513														
	6263 ACORN ST 15	5629107														
	6263 ACORN ST 16	5625538														
	6263 ACORN ST 17	5625488														
	6263 ACORN ST 18	5625488														
	6263 ACORN ST 19	5625489														
	6263 ACORN ST 9	5625511														
	6263 ACORN ST HM	5629106														
	6263 ACORN ST HM	5631991	1-3"	3	U1P1/0	39	RD4-110	169-256	Y	400	MR	PC	Wire out to west wall North of ex. Mtr	5	18	5
	6263 ACORN ST 20	5625258														
	6263 ACORN ST 21	5625261														
	6263 ACORN ST 22	5632011														
	6263 ACORN ST 23	6588385														
	6263 ACORN ST 24	5631986														
	6263 ACORN ST 25	5631989														
	6263 ACORN ST 26	5631988														
	6263 ACORN ST 27	5631992														
	6263 ACORN ST 28	5625535														
	6263 ACORN ST 29	5631990														
	6263 ACORN ST 30	5631993														
	6263 ACORN ST 31	5625534														
	6263 ACORN ST 32	5632013														
	6263 ACORN ST 33	5632010														
	6263 ACORN ST 34	5625259														
	6263 ACORN ST 35	5625260														
	6263 ACORN ST 1	5629181	1-3"	3	U1P1/0	52	RD4-102	169-259	Y	200	MR	CC	Wire out to South wall At ex. Mtr		36	
	6263 ACORN ST 2	5629130														
	6263 ACORN ST 3	5629179														
	6263 ACORN ST 4	5629180														
	6263 ACORN ST 5	5629109														
	6263 ACORN ST 6	5629132														
	6263 ACORN ST 7	5629133														
	6263 ACORN ST 8	5629131														
	6263 ACORN ST HM	5629178														
	6263 ACORN ST HM	5631991					RD4-110				MR					
	6263 ACORN ST HM	5629106														
	6278 ACORN ST	5522854	1-3"	3	U1P-#2	21	169-133	169-257	Y	200	MR	PC	Wire out to East wall N/E Corner	8		83
	6278 ACORN ST HM	5522861														
	6280 ACORN ST	5522929														
	6282 ACORN ST	5522678														
	6284 ACORN ST	5522679														
	6286 ACORN ST	5522880														
	6288 ACORN ST	5522856														
	6290 ACORN ST	5522926														
	6292 ACORN ST	5522927														
	6305 ACORN ST	6176732	1-3"	3	U1P-#2	76	RD4-102	169-259		200		PC	West wall s/w corner	13		11

EXISTING	PROPERTY ADDRESS	UTILITY	COND. (FEET)	NO. WIRES	U/P #2	CABLE (FEET)	OLD YEAR	NEW YEAR	CONC. (FEET)	YEAR BUILT	PC	RELOCATION	RE WALL	OR LAND	RES. CONC.	ACES FEET
	4527 63RD ST	5628869	1-3"	3	U1P-#2	44	RD4-102	169-259		200	MR	PC	Westsouth wall below and east of ext mtr.		25	12
	4529 63RD ST	5628868	1-3"	3	U1P-#2	44										
	4541 63RD ST	5628842	1-3"	3	U1P-#2	44	RD4-102	169-259		200	MR	PC	Westnorth wall above and east of ext mtr.		25	15
	4543 63RD ST	5467284				44										
	4557 63RD ST	6587439	1-3"	3	U1P-#2	65	RD4-102	169-259		200	MR	PC	Westwall west of ext mtrs.		10	13
	4559 63RD ST	5628844	1-3"	3	U1P-#2	65										
	4571 63RD ST	5628886	1-3"	3	U1P-#2	38	RD4-102	169-259		200	MR	PC	Wire out to West wall N/W corner		19	13
	4573 63RD ST	5628887	1-3"	3	U1P-#2	38										
	4601 63RD ST 1	5625540	2-4"	3	U1P3/0	33	RD4-177	169-258	Y	600	MR	PC	Wire out to North end of ex. Meter cabinet		17	7
	4601 63RD ST 10	5541207														
	4601 63RD ST 11	5625492														
	4601 63RD ST 12	6337856														
	4601 63RD ST 14	5249200														
	4601 63RD ST 15	5501783														
	4601 63RD ST 16	5614950														
	4601 63RD ST 17	5385703														
	4601 63RD ST 18	5625480														
	4601 63RD ST 18	5501785														
	4601 63RD ST 2	5625541														
	4601 63RD ST 20	6312204														
	4601 63RD ST 21	5614953														
	4601 63RD ST 22	5625486														
	4601 63RD ST 23	5625467														
	4601 63RD ST 24	5625458														
	4601 63RD ST 25	5625459														
	4601 63RD ST 26	5614952														
	4601 63RD ST 27	5625469														
	4601 63RD ST 28	5625468														
	4601 63RD ST 29	5625461														
	4601 63RD ST 3	5625516														
	4601 63RD ST 30	5625460														
	4601 63RD ST 4	5625517														
	4601 63RD ST 5	5541206														
	4601 63RD ST 6	5625539														
	4601 63RD ST 7	5625538														
	4601 63RD ST 8	5407491														
	4601 63RD ST 9	5625514														
	4601 63RD ST HM	5614951														
	4610 1/2 63RD ST	5614949	1-3"	3	U1P-#2	30	169-133	169-257		200	MR	PC	Wire out to East wall S/E corner		17	81
	4610 63RD ST	5522874														
	4610 63RD ST HM	5541208														
	4612 1/2 63RD ST	5522877														
	4612 63RD ST	5614946														
	4614 1/2 63RD ST	5522876														
	4614 63RD ST	5522875														
	4616 1/2 63RD ST	5614948														
	4616 63RD ST	5614947														
	4618 1/2 63RD ST B	5541256	1-3"	3	U1P-#2	25	169-133	169-257	Y	200	MR	PC	Wire out to East wall S/E corner		6	86
	4618 1/2 63RD ST B	5522905														
	4618 63RD ST	5522928														
	4620 1/2 63RD ST	5522903														
	4620 63RD ST	5541280														
	4622 1/2 63RD ST	5522902														
	4622 63RD ST	5522904														
	4624 1/2 63RD ST	5541257														
	4624 63RD ST	5541254														

EXISTING	PROPERTY ADDRESS	METER	COND. SIZE	NO. SERVICES	DATE	CABLE (FT/M)	DATE	NO. TAPERS	NO. TAPERS	NO. TAPERS	NO. TAPERS	NO. TAPERS	NO. TAPERS	NO. TAPERS	NO. TAPERS	NO. TAPERS	NO. TAPERS	NO. TAPERS	NO. TAPERS
Y	6145 EL CAJON BLVD H2	6513382																	
Y	6145 EL CAJON BLVD HM	6513428																	
Y	6145 EL CAJON BLVD J	6513454																	
Y	6145 EL CAJON BLVD L	6513380																	
Y	6145 EL CAJON BLVD M	6513453																	
Y	6145 EL CAJON BLVD N	6513451																	
Y	6145 EL CAJON BLVD P	6582890																	
Y	6155 EL CAJON BLVD	6700925																	
Y	6161 EL CAJON BLVD A	6512178																	
Y	6161 EL CAJON BLVD B	6512201																	
Y	6165 EL CAJON BLVD 1A	6514602																	
Y	6165 EL CAJON BLVD A	6514599																	
Y	6165 EL CAJON BLVD B	6513118																	
Y	6165 EL CAJON BLVD C	6513115																	
Y	6165 EL CAJON BLVD D	6513116																	
Y	6165 EL CAJON BLVD E	6512177																	
Y	6165 EL CAJON BLVD F	6514601																	
Y	6165 EL CAJON BLVD G	6504649																	
Y	6165 EL CAJON BLVD H	6513091																	
Y	6165 EL CAJON BLVD HM	6221960																	
Y	6165 EL CAJON BLVD HM	6513117																	
Y	6165 EL CAJON BLVD J	6513092																	
Y	6165 EL CAJON BLVD K	6512202																	
Y	6165 EL CAJON BLVD L	6512199																	
Y	6165 EL CAJON BLVD M	6512176																	
Y	6165 EL CAJON BLVD N	6512200																	
Y	6165 EL CAJON BLVD O	6514600																	
Y	6165 EL CAJON BLVD P	6226877																	
Y	6175 EL CAJON BLVD	6566708																	
Y	6210 EL CAJON BLVD	5905879																	
Y	6225 EL CAJON BLVD	6560116																	
Y	6235 EL CAJON BLVD	6693266																	
Y	6245 EL CAJON BLVD	6482151																	
Y	6265 EL CAJON BLVD	9009672																	
Y	6301 EL CAJON BLVD	6572823																	
Y	6345 EL CAJON BLVD 124	6707115																	
Y	6345 EL CAJON BLVD 3201	6705981																	
Y	6345 EL CAJON BLVD 3202	6705982																	
Y	6345 EL CAJON BLVD 3203	6705983																	
Y	6345 EL CAJON BLVD 3204	6705984																	
Y	6345 EL CAJON BLVD 3205	6705985																	
Y	6345 EL CAJON BLVD 3206	6705986																	
Y	6345 EL CAJON BLVD 3207	6705987																	
Y	6345 EL CAJON BLVD 3301	6705980																	
Y	6345 EL CAJON BLVD 3302	6705312																	
Y	6345 EL CAJON BLVD 3303	6705313																	
Y	6345 EL CAJON BLVD 3304	6705314																	
Y	6345 EL CAJON BLVD 3305	6705315																	
Y	6345 EL CAJON BLVD 3306	6705340																	
Y	6345 EL CAJON BLVD 3307	6705341																	
Y	6345 EL CAJON BLVD 3401	5469151																	
Y	6345 EL CAJON BLVD 3402	6705342																	
Y	6345 EL CAJON BLVD 3403	6705343																	
Y	6345 EL CAJON BLVD 3404	6705956																	
Y	6345 EL CAJON BLVD 3405	6705957																	
Y	6345 EL CAJON BLVD 3406	6705958																	

PROJ	PROPER	ADDR	UTR	COND	WIRES	UTP	CABLE	ODD	11/12/13/14	2ND	11/12/13/14	15/16/17/18	19/20/21/22	23/24/25/26	27/28/29/30	31/32/33/34	35/36/37/38	39/40/41/42	43/44/45/46	47/48/49/50		
Y	6345 EL CAJON BLVD	3407	6705959					430-296														
Y	6345 EL CAJON BLVD	HM	6701157					430-296														
Y	6351 EL CAJON BLVD		6701154					430-296														
Y	6353 EL CAJON BLVD	120	6804636					430-296														
Y	6375 EL CAJON BLVD	A	6483804					430-91														
Y	6375 EL CAJON BLVD	B	6483829					430-91														
Y	6375 EL CAJON BLVD	C	6483806					430-91														
Y	6375 EL CAJON BLVD	D	6483828					430-91														
Y	6375 EL CAJON BLVD	E	6483807					430-91														
Y	6375 EL CAJON BLVD	HM	6483805					430-91														
	6073 ESTELLE ST		5554658					169-88													Outside of Boundary	
	6084 ESTELLE ST		5554659					169-88													Outside of Boundary	
	6090 ESTELLE ST		5554660					169-88													Outside of Boundary	
	6103 ESTELLE ST		5543512	1-3"	3	U1P#1/0	136	RD4-86	169-250	Y	100	MR	PC	Wire out to East wall N/E Corner						38	17	
	6105 ESTELLE ST		5543513																			
	6111 ESTELLE ST		5993185	1-3"	3	U1P#2	41	RD4-86	169-250	Y	100	SR	PC	Wire out to East wall N/E corner							24	10
	6112 ESTELLE ST		6468485	1-3"	3	U1P#2	40	RD4-86	169-250		200		CC	Existing at East wall sout corner							16	
	6119 ESTELLE ST		5543511	1-3"	3	U1P#1/0	127	RD4-86	169-250		100	SR	PC	Wire out to East wall N/E corner							21	12
	6127 ESTELLE ST		5543532	1-3"	3	U1P#2	30	RD4-80	169-250		100	SR	PC	Wire out to East wall N/E corner	Y						9	4
	6135 ESTELLE ST		5543531	1-3"	3	U1P#2	32	RD4-80	169-250		100	SR	PC	Wire out to West wall N/W corner							16	
	6143 ESTELLE ST		5543530	1-3"	3	U1P#2	48	RD4-80	169-250		100	SR	PC	Wire out to East wall N/E corner								20
	6150 ESTELLE ST		5543554	1-3"	3	U1P#2	46	RD4-86	169-250		100	SR	PC	Wire out to West wall S/W Corner							26	11
	6155 ESTELLE ST		5543533	1-3"	3	U1P#2	34	RD4-80	169-250		100	SR	PC	Wire out to North wall N/W corner							20	
	6158 ESTELLE ST		5543556	1-3"	3	U1P#2	46	RD4-86	169-250		100	SR	PC	Wire out to East wall S/E Corner							5	20
	6167 ESTELLE ST		5543555	1-3"	3	U1P#2	128	RD4-80	169-251		100	SR	PC	Wire out to East wall N/E corner							16	4
	6201 ESTELLE ST		5545094	1-3"	3	U1P#2	126	RD4-80	169-251		100	SR	PC	Wire out to West Wall N/W Corner	Y						20	52
	6209 ESTELLE ST		5545097	1-3"	3	U1P#2	92	RD4-90	169-251		100	SR	PC	Wire out to West Wall N/W Corner	Y						21	
	6210 ESTELLE ST		5935759	1-3"	3	U1P#2	57	RD4-72	169-251		100	SR	PC	Wire out to Southeast Wall S/E Corner								32
	6217 ESTELLE ST		5545096	1-3"	3	U1P#2	36	RD4-90	169-251		100	SR	PC	Wire out to N/E Wall N/E Corner								19
	6218 ESTELLE ST		5540866	1-3"	3	U1P#2	38	RD4-72	169-251		100	SR	PC	Wire out to West/South Wall S/W Corner							19	
	6225 ESTELLE ST		5545118	1-3"	3	U1P#2	63	RD4-90	169-251		100	SR	PC	Wire out to most W Wall N/W Corner								43
	6226 ESTELLE ST		5710234	1-3"	3	U1P#2	39	RD4-72	169-251		100	SR	PC	Wire out to E wall S/E Corner							20	
	6233 ESTELLE ST		5545121	1-3"	3	U1P#2	133	RD4-90	169-251	Y	100	SR	PC	Wire out to Eastern Wall N/E Corner	Y						32	6
	6234 ESTELLE ST		5540868	1-3"	3	U1P#2	94	RD4-72	169-251		100	SR	PC	Wire out to E wall S/E Corner							15	4
	6242 ESTELLE ST		5540867	1-3"	3	U1P#2	113	RD4-72	169-252		100	SR	PC	Wire out to E wall beyond gas								20
	6250 ESTELLE ST		5540845	1-3"	3	U1P#2	42	RD4-72	169-252		200	SR	PC	Wire out to E wall S/E Corner							14	6
	6256 ESTELLE ST		5540842	1-3"	3	U1P#2	39	RD4-72	169-252		100	SR	PC	Wire out to W wall S/W Corner							14	6
	6262 ESTELLE ST		5540844	1-3"	3	U1P#2	34	RD4-73	169-252		200	SR	PC	Wire out to S wall S/E Corner	Y						14	
	6265 ESTELLE ST		5545120	1-3"	3	U1P#2	42	RD4-160	169-252		100	SR	PC	Wire out to North Wall N/E Corner							13	4
	6270 ESTELLE ST		6567166	1-3"	3	U1P#2	39	RD4-73	169-252		100	SR	PC	Wire out to W wall S/W Corner	Y						20	
	6273 ESTELLE ST		5545119	1-3"	3	U1P#2	44	RD4-160	169-252		100	SR	PC	Wire out to West Wall N/W Corner								19
	6276 ESTELLE ST		5540843	1-3"	3	U1P#2	100	RD4-73	169-252		200	SR	PC	Wire out to W wall S/W Corner							18	
	6281 ESTELLE ST		5523224	1-3"	3	U1P#2	103	RD4-160	169-252		100	SR	PC	Wire out to Eastnorthern Wall N/E Corner	Y						5	17
	6284 ESTELLE ST		5540792	1-3"	3	U1P#2	103	RD4-73	169-252		100	SR	PC	Wire out to E wall S/E Corner							18	
	6287 ESTELLE ST		5523223	1-3"	3	U1P#2	100	RD4-160	169-252		100	SR	PC	Wire out to North Wall N/W Corner, DEC. PAVING							2	15
	6292 ESTELLE ST		5540791	1-3"	3	U1P#2	130	RD4-73	169-252		100	SR	PC	Wire out to W wall S/W Corner							13	5
	6403 ESTELLE ST		5523222	1-3"	3	U1P#2	45	RD2-59	EX. STA W.O.#2969290		100	SR	MA	RHA Wire out to West wall N/W Corner							20	
	6404 ESTELLE ST		5680006					RD2-59	EX. STA W.O.#2969291		100	SR	PC	Service to be installed on W.O.#2969290								
	6411 ESTELLE ST		5523225	1-3"	3	U1P#2	123	RD2-59	169-264		100	SR	MA	LHA. Wire out to East wall at ex mtr								7
	6414 ESTELLE ST		5629193	1-3"	3	U1P#2	48	RD2-59	169-264		100	SR	PC	Wire out to East Wall beyond ex mtr								25
	6419 ESTELLE ST		5543496	1-3"	3	U1P#2	82	RD2-59	169-264		100	SR	MA	LHA. Wire out to East wall at ex mtr								21
	6424 ESTELLE ST		5629190	1-3"	3	U1P#2	45	RD2-59	169-264		100	SR	PC	Wire out to West wall beyond ex mtr	Y						25	3
	6427 ESTELLE ST		5947522	1-3"	3	U1P#2	94	RD2-59	169-264		100	SR	CC	Wire out to West wall N/W corner							27	5
	6435 ESTELLE ST		5947568	1-3"	3	U1P#2	34	RD2-59	169-264		100	SR	PC	Wire out to East wall N/E Corner								13
	6436 ESTELLE ST		5629119	1-3"	3	U1P#2	54	RD2-59	169-264		100	SR	CC	Wire out to East Wall at ex mtr							27	
	6443 ESTELLE ST		5543495	1-3"	3	U1P#2	38	RD2-59	169-264		100	SR	MA	LHA. Wire out to West wall N/W corner							16	6

EXISTING	PROPERTY ADDRESS	MTR#	COND. SIZE	NO. WIRES	U/P#2	CABLE LGTH	OLD XMR	NW XMR#	2ND SRVY	MAIN SWR	PC	LOCATION	RES WALL	DRY/LAND	ASPH/ CONC	KCS ETS	
	6446 ESTELLE ST	5629120	1-3"	3	U1P-#2	44	RD2-59	169-264		100	SR	PC	Wire out to West wall beyond ex mtr			20	4
	6451 ESTELLE ST	5466610	1-3"	3	U1P-#2	83	RD4-39	169-264		100	SR	PC	Wire out to East wall before ex mtr - DEC. PAVING			22	14
	6452 ESTELLE ST	5629121	1-3"	3	U1P-#2	49	RD2-59	169-264		100	SR	PC	Wire out to West wall beyond ex mtr			29	4
	6459 ESTELLE ST	5543494	1-3"	3	U1P-#2	84	RD4-39	169-264		100	SR	PC	Wire out to West wall NW corner			22	14
	6502 ESTELLE ST	5629118	1-3"	3	U1P-#2	42	RD4-202	169-264		200	SR	PC	Wire out to East wall S/E corner beyond gas meter			17	10
	6503 ESTELLE ST	6565455	1-3"	3	U1P-#2	39	RD4-39	169-264		100	SR	PC	Wire out to East wall N/E corner beyond window			22	23
	6508 ESTELLE ST	6224442	1-3"	3	U1P-#2	127	RD4-202	169-264		100	SR	MA	LHA. Wire out to East wall at ex mtr			37	
	6511 ESTELLE ST	5543497	1-3"	3	U1P-#2	35	RD4-39	169-264		100	SR	PC	Wire out to West Wall NW Corner			21	18
	6518 ESTELLE ST	5629124	1-3"	3	U1P-#2	119	RD4-202	169-264		100	SR	PC	Wire out to West wall Beyond Gas			20	5
	6519 ESTELLE ST	5629149	1-3"	3	U1P-#2	121	RD4-82	169-263		100	SR	PC	Wire out to East wall N/E corner			20	15
	6524 ESTELLE ST	5629122	1-3"	3	U1P-#2	40	RD4-202	169-263		100	SR	PC	Wire out to East wall S/E corner	Y		21	15
	6527 ESTELLE ST	5629146	1-3"	3	U1P-#2	114	RD4-82	169-263		100	SR	PC	Wire out to West wall NW corner			16	9
	6534 ESTELLE ST	5629125	1-3"	3	U1P-#2	47	RD4-202	169-263		100	SR	PC	Wire out to West Beyond Gas	Y		14	12
	6535 ESTELLE ST	5629147	1-3"	3	U1P-#2	83	RD4-82	169-263		100	SR	PC	Wire out to West wall NW Corner beyond gas meter			17	9
	6543 ESTELLE ST	5466606	1-3"	3	U1P-#2	84	RD4-82	169-263		100	SR	PC	Wire out to North wall N/E corner			18	5
	6550 ESTELLE ST	5629148	1-3"	3	U1P-#2	118	RD4-207	169-263		100	SR	MA	RHA. WIRE out to East wall at ex mtr			20	25
	6551 ESTELLE ST	6270581	1-3"	3	U1P-#2	86	RD4-82	169-263		100	SR	PC	Wire out to West wall NW Corner			21	15
	6112 1/2 LORCA DR	5993172					RD4-80						OUTSIDE OF BOUNDRY				
	6112 LORCA DR	5993196					RD4-80						OUTSIDE OF BOUNDRY				
	6114 LORCA DR	5993175					RD4-80						OUTSIDE OF BOUNDRY				
	6128 LORCA DR	5503725					RD4-80						OUTSIDE OF BOUNDRY				
	6144 LORCA DR	5503723					RD4-80						OUTSIDE OF BOUNDRY				
	6152 LORCA DR	5503724					RD4-80						OUTSIDE OF BOUNDRY				
	6160 LORCA DR	5547354					RD4-80						OUTSIDE OF BOUNDRY				
	6168 LORCA DR	5547355					RD4-90						OUTSIDE OF BOUNDRY				
	6176 LORCA DR	5547357					RD4-90						OUTSIDE OF BOUNDRY				
	6184 LORCA DR	5547358					RD4-90						OUTSIDE OF BOUNDRY				
	6194 LORCA DR	5947569					RD4-90						OUTSIDE OF BOUNDRY				
	6111 MADELINE ST	5543557	1-3"	3	U1P-#2	38	RD4-86	169-250		100	SR	PC	Wire out to East wall beyond ex meter			19	7
Y	6114 1/3 MADELINE ST	5993187				152	RD4-87	169-249									
	6114 MADELINE ST	5543537	1-3"	3	U1P-#2	152	RD4-87	169-249		100	SR	PC	Wire out South wall Beyond Ex. Mtr			43	17
	6122 MADELINE ST	5543536	1-3"	3	U1P-#2	38	RD4-87	169-249		100	SR	PC	South Easterly Wall/ South easterly corner			19	2
	6129 MADELINE ST	6466561	1-3"	3	U1P-#2	126	RD4-87	169-249		100	SR	PC	East wall beyond ex mtr			28	5
	6130 MADELINE ST	5543534	1-3"	3	U1P-#2	49	RD4-87	169-249		100	SR	PC	Wire out East wall north of Ex. Mtr			30	3
	6138 MADELINE ST	5543535	1-3"	3	U1P-#2	37	RD4-87	169-249		100	SR	PC	Wire out to West Wall South West Corner			18	3
	6141 MADELINE ST	5543580	1-3"	3	U1P-#2	47	RD4-87	169-249		100	SR	PC	Wire out to East Wall Beyond Ex. Mtr.			26	11
	6146 MADELINE ST	5523148	1-3"	3	U1P-#2	39	RD4-87	169-249		100	SR	MA	RHA East wall at ex mtr			2	7
	6151 MADELINE ST	5543578	1-3"	3	U1P-#2	32	RD4-87	169-249		100	SR	CC	Wire out to West wall at ex. Mtr			15	
	6154 MADELINE ST	5522119	1-3"	3	U1P-#2	38	RD4-87	169-249		100	SR	MA	RHA West wall at Ex. Mtr			22	
	6157 MADELINE ST	5543581	1-3"	3	U1P-#2	93	RD4-87	169-249		200	SR	PC	Wire out to West wall, Beyond Existing Meter			31	13
	6162 MADELINE ST	5523200	1-3"	3	U1P-#2	49	RD4-87	169-249		200	SR	PC	Wire out to East wall, Beyond Ex. Mtr			30	11
	6201 MADELINE ST	5925179	1-3"	3	U1P-#2	28	RD4-71	169-253		100	SR	MA	LHA at ex. Mtr			3	
	6204 MADELINE ST	5925178	1-3"	3	U1P-#2	65	RD4-71	169-253	Y	200	SR	PC	EAST WALL NORTH OF EX. MTR; DEC. PAVING	Y		44	7
	6209 MADELINE ST	5476588	1-3"	3	U1P-#2	90	RD4-72	169-253		100	SR	PC	WEST WALL North of Ex. Mtr	Y		3	5
	6211 MADELINE ST	5476589															
	6214 MADELINE ST	5815363	1-3"	3	U1P-#2	97	RD4-71	169-253		100	SR	PC	SOUTH WALL S/W CORNER	Y		5	111
	6216 MADELINE ST	5729880															
	6222 MADELINE ST 102	5476661	1-3"	3	U1P-#2	20	RD4-103	169-254	Y	400	MR	PC	East Wall South of Ex. Mtr	Y		5	14
	6222 MADELINE ST 103	5476658															
	6222 MADELINE ST 104	5829187															
	6222 MADELINE ST 105	5476636															
	6222 MADELINE ST 106	5629189															
	6222 MADELINE ST 107	5476634															
	6222 MADELINE ST 108	5476611															
	6222 MADELINE ST 109	5476612															
	6222 MADELINE ST 110	5476613															

EX. NO.	DESCRIPTION	COND. SIZE	NUMBER	CABLE LGTH	CONDUIT	MIN. SWR	2ND SWR	MIN. SWR	2ND SWR	LOCATION	WALL	HEIGHT	ASPH. CONC.	ACCESS			
6222	MADELINE ST 111	5478610															
6222	MADELINE ST 112	5478635															
6222	MADELINE ST 114	5629188															
6222	MADELINE ST 115	5478637															
6222	MADELINE ST 116	5629186															
6222	MADELINE ST 117	5478659															
6222	MADELINE ST 118	5478660															
6222	MADELINE ST HM	5629140															
6222	MADELINE ST 119	5629136	1-3"	3	U1P1/0	116	RD4-103	169-254	Y	400	MR	CC	Wire out to East at Ex. Mtr	Y	100		
6222	MADELINE ST 120	5629137				116	RD4-103	169-254									
6222	MADELINE ST 121	5953094				116	RD4-103	169-254									
6222	MADELINE ST 122	5476586				116	RD4-103	169-254									
6222	MADELINE ST 123	5628621				116	RD4-103	169-254									
6222	MADELINE ST 124	5628619				116	RD4-103	169-254									
6222	MADELINE ST 125	5628618				116	RD4-103	169-254									
6222	MADELINE ST 126	5628573				116	RD4-103	169-254									
6222	MADELINE ST 127	5628572				116	RD4-103	169-254									
6222	MADELINE ST 128	5628571				116	RD4-103	169-254									
6222	MADELINE ST 129	5629110				116	RD4-103	169-254									
6222	MADELINE ST 130	5629111				116	RD4-103	169-254									
6222	MADELINE ST 131	5629113				116	RD4-103	169-254									
6222	MADELINE ST 132	5628620				116	RD4-103	169-254									
6222	MADELINE ST 133	5629112				116	RD4-103	169-254									
6222	MADELINE ST 134	5476587				116	RD4-103	169-254									
6222	MADELINE ST 135	5628570				116	RD4-103	169-254									
6222	MADELINE ST 136	5629135				116	RD4-103	169-254									
6222	MADELINE ST HM	5629134				116	RD4-103	169-254									
6231	MADELINE ST HM	5625246	1-3"	3	U1P1/0	46	RD4-111	169-255	Y	400	MR	PC	Wire out to North wall South of pool	Y	30	31	
6231	MADELINE ST 171	5625223															
6231	MADELINE ST 172	5625247															
6231	MADELINE ST 173	5625249															
6231	MADELINE ST 174	5628694															
6231	MADELINE ST 175	5628902															
6231	MADELINE ST 176	5628897															
6231	MADELINE ST 178	5628878															
6231	MADELINE ST 179	5628905															
6231	MADELINE ST 180	5628904															
6231	MADELINE ST 181	5628879															
6231	MADELINE ST 182	5628881															
6231	MADELINE ST 183	5628896															
6231	MADELINE ST 184	5628903															
6231	MADELINE ST 185	5628895															
6231	MADELINE ST 186	5625248															
6231	MADELINE ST 187	5625222															
6231	MADELINE ST 188	5625224															
6231	MADELINE ST 189	5625228	1-3"	3	U1P1/0	85	RD4-111	169-255	Y	400	MR	PC	Wire out to East wall North of Ex. Mtr	Y	15	55	9
6231	MADELINE ST 190	5628660					RD4-111										
6231	MADELINE ST 191	5625226					RD4-111										
6231	MADELINE ST 192	5628859					RD4-111										
6231	MADELINE ST 193	5625204					RD4-111										
6231	MADELINE ST 194	5625202					RD4-111										
6231	MADELINE ST 195	5628856					RD4-111										
6231	MADELINE ST 196	5628854					RD4-111										
6231	MADELINE ST 197	5628855					RD4-111										
6231	MADELINE ST 198	5628857					RD4-111										
6231	MADELINE ST 199	5625203					RD4-111										

EXIST. PG.	PROPERTY ADDRESS	MTR #	COND. (SIZE)	NO. WIRES	UTP #	CABLE LGTH	OLD FIBER	NW FIBER	END SURF	MAN/SW	PC	PC LOCATION	REP WALL	DIRT/AND	ASPH/ CONC	KCES ETC
	6231 MADELINE ST 200	5625205					RD4-111									
	6231 MADELINE ST 201	5628858					RD4-111									
	6231 MADELINE ST 202	5625227					RD4-111									
	6231 MADELINE ST 203	5628861					RD4-111									
	6231 MADELINE ST 204	5625229					RD4-111									
	6231 MADELINE ST HM	5625181					RD4-111									
	6231 MADELINE ST HM	5625246					RD4-111									
	6266 MADELINE ST HM	5629165	1-3"	3	U1P1/0	47	RD4-102	169-259	Y	200	MR	CC	North Wall At Ex. MTR		23	5
	6266 MADELINE ST 60	5629164														
	6266 MADELINE ST 61	5522945														
	6266 MADELINE ST 62	5522944														
	6266 MADELINE ST 63	5622921														
	6266 MADELINE ST 64	5622920														
	6266 MADELINE ST 65	5629141														
	6266 MADELINE ST 66	5522918														
	6266 MADELINE ST 67	5522919														
	6266 MADELINE ST 68	5522942														
	6266 MADELINE ST 69	5522943														
	6266 MADELINE ST 70	5629162														
	6266 MADELINE ST 71	5629163														
	6266 MADELINE ST 72	5629183	1-3"	3	U1P-#2	64	RD4-103	169-254	Y	400	MR	CC	Wire out to the West wall At Ex. Mtr	Y	5	43
	6266 MADELINE ST 73	5629184														
	6266 MADELINE ST 74	5629185														
	6266 MADELINE ST 75	5268183														
	6266 MADELINE ST 76	5522873														
	6266 MADELINE ST 77	5522872														
	6266 MADELINE ST 78	5629159														
	6266 MADELINE ST 79	5629160														
	6266 MADELINE ST 80	5629138														
	6266 MADELINE ST 81	5629139														
	6266 MADELINE ST 82	5629181														
	6266 MADELINE ST 83	5522870														
	6266 MADELINE ST 84	5522871														
	6266 MADELINE ST 85	5629182														
	6266 MADELINE ST HM	5629158														
	6266 MADELINE ST HM	5629108	1-3"	3	U1P-#2	22	RD4-103	169-254	Y	400		PC	Wire out West Wall South of Ex. Mtr	Y	5	4
	6266 MADELINE ST 86	5522941														
	6266 MADELINE ST 87	6569029														
	6266 MADELINE ST 88	5629117														
	6266 MADELINE ST 89	5629116														
	6266 MADELINE ST 90	5522896														
	6266 MADELINE ST 91	5522895														
	6266 MADELINE ST 92	5629155														
	6266 MADELINE ST 93	5629156														
	6266 MADELINE ST 94	5629157														
	6266 MADELINE ST 95	5629154														
	6266 MADELINE ST 96	5522894														
	6266 MADELINE ST 97	5522897														
	6266 MADELINE ST 98	5629115														
	6266 MADELINE ST 99	5629114														
	6266 MADELINE ST 100	5522938														
	6266 MADELINE ST 101	5522940														
	6271 MADELINE ST 137	5628893	1-3"	3	U1P1/0	47	RD4-111	169-255	Y	400	MR	PC	Wire out to West wall North of Existing Mtr	Y	60	5
	6271 MADELINE ST 138	5628891														
	6271 MADELINE ST 139	5628908														
	6271 MADELINE ST 140	6230657														

EXISTING	PROPERTY ADDRESS	UNIT NO.	COND. TYPE	NO. WIRES	TYPE	CABLE SIZE	CONDUIT	NO. OF FEET	TYPE	NO. OF WIRES	TYPE	NO. OF FEET	LOCATION	SEE WALL	DIRTY END	ASPH. CONC.	EXCESS FT.
	6271 MADELINE ST 141	5628883															
	6271 MADELINE ST 142	5625201															
	6271 MADELINE ST 143	5625199															
	6271 MADELINE ST 144	5628885															
	6271 MADELINE ST 145	5628884															
	6271 MADELINE ST 146	5625198															
	6271 MADELINE ST 147	5628882															
	6271 MADELINE ST 148	5628906															
	6271 MADELINE ST 149	5628908															
	6271 MADELINE ST 150	5628890															
	6271 MADELINE ST 151	5628892															
	6271 MADELINE ST 152	5625225															
	6271 MADELINE ST HM	5625200															
	6271 MADELINE ST 153	5628874	1-3"	3	U1P-#2	48	RD4-111	189-255	Y	400	MR	PC	On the West wall East of Existing Meter	Y	15	15	10
	6271 MADELINE ST 154	5628876															
	6271 MADELINE ST 155	5628850															
	6271 MADELINE ST 156	5628852															
	6271 MADELINE ST 157	5628830															
	6271 MADELINE ST 158	5628832															
	6271 MADELINE ST 159	5628870															
	6271 MADELINE ST 160	5628872															
	6271 MADELINE ST 161	5628900															
	6271 MADELINE ST 162	5628875															
	6271 MADELINE ST 163	5628901															
	6271 MADELINE ST 164	5628877															
	6271 MADELINE ST 165	5628851															
	6271 MADELINE ST 166	5628853															
	6271 MADELINE ST 167	5628831															
	6271 MADELINE ST 168	5628833															
	6271 MADELINE ST 169	5628871															
	6271 MADELINE ST 170	5628899															
	6271 MADELINE ST HM	5628898															
	6210 1/2 STANLEY AVE	5625294	1-3"	3	U1P13/0	41	169-173	343-141	Y	100	MR	PC	Wire out to East wall South of ex. Mtr			16	4
	6210 STANLEY AVE	5627278															
	6212 1/2 STANLEY AVE	5625297															
	6212 STANLEY AVE	5725730															
	6211 STANLEY AVE A	5627038	1-3"	3	U1P-#2	47	169-133	343-140	Y	100	MR	PC	South Wall approx. 10' East of S/W corner			20	17
	6211 STANLEY AVE B	5627040															
	6211 STANLEY AVE C	5627039															
	6211 STANLEY AVE D	5627065															
	6211 STANLEY AVE E	5627064															
	6211 STANLEY AVE F	5627063															
	6211 STANLEY AVE G	5625625															
	6211 STANLEY AVE H	5625822															
	6211 STANLEY AVE HM	5627062															
	6214 STANLEY AVE	5818534	1-3"	3	U1P13/0	27	169-173	343-141	Y	200	MR	PC	Wire out to West wall South of ex. Mtr.			10	4
	6216 STANLEY AVE	5627279															
	6218 STANLEY AVE	5627281															
	6220 STANLEY AVE	5627280															
	6219 STANLEY AVE	5627018	1-3"	3	U1P-#2	62	169-133	343-140		100	MR	PC	Wire out to South Wall West of ex. Mtr			20	7
	6219 STANLEY AVE 1	5625532															
	6219 STANLEY AVE 2	5625530															
	6219 STANLEY AVE 3	5520535															
	6219 STANLEY AVE 4	5625824															
	6219 STANLEY AVE 5	5625823															
	6219 STANLEY AVE 6	5627014															

EXIST USE	PROPERTY ADDRESS	MTR #	COND. SIZE	NO. WIRES	U/P #2	CABLE LGTH	OLEX#MR	NOX#FRMR	2ND STRUC	MTR S/W	PC	LOCATION	REF WALL	DIET/END	ASPH CONC	XCES / TR
	6383 STANLEY AVE	5541205	1-3"	3	U1P-#2	40	RD2-7	343-156		100	SR	PC	Wire out to East wall North East corner		26	15
	6384 STANLEY AVE	5528123	1-3"	3	U1P-#2	33	RD2-7	343-156		100	SR	PC	Wire out to East wall S/E corner		20	10
	6389 STANLEY AVE	5541202	1-3"	3	U1P-#2	50	RD2-7	343-156		100	SR	PC	Wire out to West wall beyond ex mtr		23	
	6390 STANLEY AVE	5541262	1-3"	3	U1P-#2	48	RD2-7	343-156		100	SR	CC	Wire out to West wall S/W corner		25	
	6395 STANLEY AVE	5541203	1-3"	3	U1P-#2	153	RD2-7	343-156		100	SR	PC	Wire out to North wall N/W corner		20	15
	6396 STANLEY AVE	5528125	1-3"	3	U1P-#2	38	RD2-7	169-267		100	SR	PC	Wire out to East wall beyond ex mtr		24	6
	6404 STANLEY AVE	5528122	1-3"	3	U1P-#2	49	RD2-7	169-267		100	SR	PC	Wire out to West wall beyond ex mtr		25	5 4
	6409 STANLEY AVE	5505075	1-3"	3	U1P-#2	143	RD2-7	169-267		100	SR	PC	Wire out to West wall N/W corner		20	24
	6410 STANLEY AVE	5541750	1-3"	3	U1P-#2	57	RD2-56	169-267		100	SR	PC	Wire out to East wall S/E corner		24	10 4
	6416 STANLEY AVE	6438169	1-3"	3	U1P-#2	56	RD2-56	169-267		100	SR	PC	Wire out to West wall S/W corner		33	14
	6421 STANLEY AVE	5505074	1-3"	3	U1P-#2	33	RD2-56	169-267		100	SR	PC	Wire out to West wall N/W corner		21	10
	6422 STANLEY AVE	5541752	1-3"	3	U1P-#2	38	RD2-56	169-267		100	SR	MA	RHA Wire out East wall S/E corner		20	
	6428 STANLEY AVE	5505077	1-3"	3	U1P-#2	64	RD2-56	169-267		100	SR	PC	Wire out to North westerly wall beyond gas			35
	4451 MARRACO DR	5540671	1-3"	3	U1P-#2	33	RD4-82	169-263		100	SR	PC	Wire out to South wall beyond ex mtr		17	8
	4457 MARRACO DR	5540672	1-3"	3	U1P-#2	29	RD4-207	169-263		100	SR	PC	Wire out to North wall beyond ex mtr;Dec. Paving			14 8
	4511 SEMINOLE DR	5993186											Installed on wo #2969290			
	4525 SEMINOLE DR	5629104											Installed on wo #2969290			
	4665 Seminole Dr	5623669											Installed on wo #2969290			
	4720 SEMINOLE DR 2101	5963448					430-290						OUTSIDE OF BOUNDRY			
	4720 SEMINOLE DR 2104	6228613					430-290						OUTSIDE OF BOUNDRY			
	4720 SEMINOLE DR 2201	6570226					430-290						OUTSIDE OF BOUNDRY			
	4720 SEMINOLE DR 2303	5764335					430-290						OUTSIDE OF BOUNDRY			
	4720 SEMINOLE DR 2311	6706273					430-290						OUTSIDE OF BOUNDRY			
	4720 SEMINOLE DR HM	6701141					430-290						OUTSIDE OF BOUNDRY			
	4515 62ND ST	5540869	1-3"	3	U1P-#2	155	RD4-72	169-251		200	SR	PC	Wire out to North wall NW Corner		22	5 23
	4520 62ND ST	5545095	1-3"	3	U1P-#2	44	RD4-86	169-250		100	SR	PC	Wire out to South wall W of ex mtr		15	4
	4525 62ND ST	5540893	1-3"	3	U1P-#2	100	RD4-72	169-253		100	SR	MA	LHA		9	
	4544 62ND ST	5523199	1-3"	3	U1P-#2	47	RD4-87	169-249		100	SR	CC	Wire out to South Wall		14	
	4565 62ND ST	5540890	1-3"	3	U1P-#2	25	RD4-71	169-253		100	SR	MA	RHA East wall at Ex. Mtr		9	
	4575 62ND ST	5540892	1-3"	3	U1P-#2	73	RD4-71	169-253		100	SR	PC	Wire out to SOUTH EAST WALL/ SE CORNER		30	24
Y	4605 62ND ST	6584722					343-86									
	4625 62ND ST	05627037	1-3"	3	U1P-#2	54	343-87	343-140	Y	200	MR	PC	Wire out to South wall S/E corner		28	63
	4625 62ND ST HM	05627303														
	4627 62ND ST	05627036														
	4629 62ND ST	05627035														
	4631 62ND ST	05627041														
	4633 62ND ST	05627304														
	4635 62ND ST	05627034														
	4637 1/2 62ND ST	6603857	1-3"	3	U1P3/0	91	169-173	343-141	Y	400	MR	PC	Wire out to East wall South of ex. Mtr		18	4
	4637 62ND ST	5818533														
	4637 62ND ST HM	5625295														
	4639 1/2 62ND ST	5627302														
	4639 62ND ST	5627305														
Y	4699 62ND ST	5292495					430-268									
	4567 VIRGINIA AVE	5541234	1-3"	3	U1P-#2	42	RD2-70	169-268		100	SR	PC	Wire out to North wall beyond mtr		28	7
	4568 VIRGINIA AVE	5542266	1-3"	3	U1P-#2	89	RD2-70	169-268		100	SR	PC	Wire out to North wall beyond ex mtr		29	12
	4575 VIRGINIA AVE	5541235	1-3"	3	U1P-#2	41	RD2-70	169-268		100	SR	PC	Wire out to South wall beyond gas meter		5	22 4
	4576 VIRGINIA AVE	5542267	1-3"	3	U1P-#2	80	RD2-70	169-268		100	SR	PC	Wire out to South wall S/E corner		9	11 10
	4583 VIRGINIA AVE	5541236	1-3"	3	U1P-#2	55	RD2-70	169-268		100	SR	MA	RHA North Wall at ex mtr		29	
	4584 VIRGINIA AVE	5542268	1-3"	3	U1P-#2	107	RD2-70	169-268		100	SR	PC	Wire out to North wall beyond ex. Mtr			55 3
	4591 VIRGINIA AVE	5541237	1-3"	3	U1P-#2	49	RD2-70	169-268		100	SR	PC	Wire out to South wall beyond gas meter		9	22 13
	4592 VIRGINIA AVE	5542269	1-3"	3	U1P-#2	77	RD2-70	169-268		100	SR	MA	RHA South Wall at ex. Mtr			20
	4611 VIRGINIA AVE	5523620	1-3"	3	U1P-#2	57	RD2-56	169-268		100	SR	PC	Wire out to North beyond gas		40	19
	4612 VIRGINIA AVE	5628692	1-3"	3	U1P-#2	87	RD2-56	169-268		100	SR	PC	Wire out to South wall S/E corner		20	4
	4617 VIRGINIA AVE	5523619	1-3"	3	U1P-#2	71	RD2-56	169-268		100	SR	PC	Wire to South wall beyond ex. Mtr			48 5
	4618 VIRGINIA AVE	5523618	1-3"	3	U1P-#2	107	RD2-56	169-268		200	SR	MA	RHA North Wall N/E Corner		24	

PROPERTY ADDRESS	CONDUIT SIZE	WIRE SIZE	TYPE	CABLE STYLE	CONDUIT	INVERTER	2ND STRG	MAIN SV	PC	RELOCATION	RET WALL	DIRT/LAND CONC	ASPH CONC	ACCESS
4623 VIRGINIA AVE	5523621	1-3"	3	U1P-#2	105	RD2-56	169-266	200	SR	MA				20
4624 VIRGINIA AVE	5628693	1-3"	3	U1P-#2	34	RD2-56	169-266	100	SR	CC				22
4629 VIRGINIA AVE	5542242	1-3"	3	U1P-#2	30	RD2-56	169-266	100	SR	PC		20		4
4630 VIRGINIA AVE	5542245	1-3"	3	U1P-#2	106	RD2-56	169-266	100	SR	PC		20		4
4635 VIRGINIA AVE	5542243	1-3"	3	U1P-#2	39	RD2-56	169-267	100	SR	PC		20		15
4641 VIRGINIA AVE	5542244	1-3"	3	U1P-#2	24	RD2-56	169-267	100	SR	PC		20		15
4549 LACO DR	5632070					RD4-160								
4550 LACO DR	5632073					RD4-90								
4505 REVILLO WAY	5626701	1-3"	3	U1P-#2	28	RD2-160	RD4-117	100	SR	MA		12		5
4510 REVILLO WAY	5787224	1-3"	3	U1P-#2	38	RD2-15	RD4-117	200	SR	CC		15		
4515 REVILLO WAY	6501068	1-3"	3	U1P-#2	37	RD2-160	RD4-119	100	SR	PC			15	3
4520 REVILLO WAY	5543574	1-3"	3	U1P-#2	128	RD2-160	RD4-119	200	SR	PC			33	14
4525 REVILLO WAY	5628628	1-3"	3	U1P-#2	126	RD2-160	RD4-119	200	SR	PC			25	4
4530 REVILLO WAY	5543577	1-3"	3	U1P-#2	100	RD2-160	RD4-119	100	SR	MA		Y	16	
4535 REVILLO WAY	5626627	1-3"	3	U1P1/0	137	RD2-14	RD4-119	100	SR	PC			17	8
4540 REVILLO WAY	5543575	1-3"	3	U1P-#2	104	RD2-14	RD4-119	100	SR	MA			8	14
4545 REVILLO WAY	5729881	1-3"	3	U1P-#2	46	RD2-14	RD4-119	100	SR	MA			15	
4550 REVILLO WAY	5543576	1-3"	3	U1P-#2	35	RD2-14	RD4-119	100	SR	MA			15	
4555 REVILLO WAY	5626626	1-3"	3	U1P-#2	35	RD2-14	RD4-119	100	SR	PC			13	5
4560 REVILLO WAY	5543551	1-3"	3	U1P-#2	101	RD2-14	RD4-119	100	SR	MA		Y		15
4565 REVILLO WAY	6201985	1-3"	3	U1P-#2	115	RD2-14	RD4-119	100	SR	MA			16	
4570 REVILLO WAY	5522857	1-3"	3	U1P-#2	121	RD2-14	RD4-118	100	SR	PC			19	10
4575 REVILLO WAY	5626629	1-3"	3	U1P1/0	130	RD2-14	RD4-118	200	SR	CC			16	10
4580 REVILLO WAY	6213334	1-3"	3	U1P-#2	53	RD2-14	RD4-118	100	SR	PC				30
4585 REVILLO WAY	5543528	1-3"	3	U1P-#2	42	RD2-14	RD4-118	100	SR	MA			18	
4604 REVILLO WAY	5522855	1-3"	3	U1P-#2	112	RD2-14	RD4-118	100	SR	PC		Y	12	18
4612 REVILLO WAY	5467285	1-3"	3	U1P-#2	118	RD2-14	RD4-118	100	SR	MA			28	5
4617 REVILLO WAY	5522164	1-3"	3	U1P-#2	40	RD2-14	RD4-118	200	SR	CC			18	5
4620 REVILLO WAY	5313757	1-3"	3	U1P-#2	114	RD2-14	RD4-118	100	SR	MA			20	
4628 REVILLO WAY	5543550	1-3"	3	U1P-#2	49	RD2-14	RD4-118	100	SR	PC			27	7
4636 REVILLO WAY	5543552	1-3"	3	U1P-#2	37	RD2-14	RD4-118	100	SR	MA		Y		20
4644 REVILLO WAY	5543553	1-3"	3	U1P-#2	37	RD2-14	RD4-118	100	SR	MA			19	
4654 REVILLO WAY	5543526	1-3"	3	U1P-#2	57	RD2-14	RD4-118	100	SR	PC			34	7
4664 REVILLO WAY	5522116	1-3"	3	U1P-#2	47	RD2-14	RD4-118	100	SR	MA			26	
4446 REVILLO DR	5626483					RD4-8								
4452 REVILLO DR	5626484					RD4-8								
4456 REVILLO DR	5626458					RD4-8								
4460 REVILLO DR	5626461					RD4-8								
4464 REVILLO DR	5626459					RD4-8								
4502 REVILLO DR	5626710	1-3"	3	U1P-#2	103	RD2-160	RD4-117	200	SR	PC		Y	8	7
4505 REVILLO DR	6741632	1-3"	3	U1P-#2	61	RD2-15	RD4-117	100	SR	PC		Y	12	28
4533 REVILLO DR	5626713	1-3"	3	U1P-#2	90	RD2-15	RD4-117	200	SR	MA		Y	22	14
4543 REVILLO DR	5626711	1-3"	3	U1P-#2	93	RD2-15	RD4-117	100	SR	MA		Y	16	
4553 REVILLO DR	5626712	1-3"	3	U1P-#2	89	RD2-15	RD4-117	100	SR	PC			45	10
4566 CATHERINE AVE	5497529	1-3"	3	U1P-#2	108	RD2-165	169-270	100	SR	MA			18	3
4567 CATHERINE AVE	5497552	1-3"	3	U1P-#2	72	RD2-58	169-265	Y	100	SR	PC		4	6
4575 CATHERINE AVE	5496748	1-3"	3	U1P-#2	85	RD2-165	169-270	100	SR	MA			20	0
4583 CATHERINE AVE	5541213	1-3"	3	U1P-#2	75	RD2-165	169-270	100	SR	PC			10	5
4584 CATHERINE AVE	5497528	1-3"	3	U1P-#2	49	RD2-165	169-270	100	SR	PC			28	0
4581 CATHERINE AVE	5541212	1-3"	3	U1P-#2	91	RD2-165	169-270	100	SR	MA			7	10
4592 CATHERINE AVE	5541240	1-3"	3	U1P-#2	58	RD2-165	169-270	100	SR	CC			22	5
4611 CATHERINE AVE	5541210	1-3"	3	U1P-#2	110	RD2-7	169-270	100	SR	MA				25
4612 CATHERINE AVE	5541238	1-3"	3	U1P-#2	41	RD2-7	169-270	100	SR	CC			45	
4617 CATHERINE AVE	5541211	1-3"	3	U1P-#2	87	RD2-7	169-270	100	SR	CC			15	5
4618 CATHERINE AVE	5541241	1-3"	3	U1P-#2	100	RD2-7	169-270	100	SR	MA			15	
4623 CATHERINE AVE	6568398	1-3"	3	U1P-#2	43	RD2-7	169-270	100	SR	PC			22	4
4624 CATHERINE AVE	5541239	1-3"	3	U1P-#2	42	RD2-7	169-270	100	SR	MA			26	

EXIST USE	PROPERTY ADDRESS	MTR #	COND. SIZE	NO. WRES	U/P #2	CABLE (CMT)	OLD XEMR	NW XEMR	ZNB (STR)	MAIN SW	PC	PC EDUCATION	REF WALL	DIRT/LAND	ASPH CONC	XCES STR	
	4629 CATHERINE AVE	5505076	1-3"	3	U1P-#2	31	RD2-7	169-270		100	SR	PC	Wire out to South wall S/W Corner		16		10
	4630 CATHERINE AVE	5518719	1-3"	3	U1P-#2	112	RD2-7	169-270		100	SR	PC	Wire out to North Wall N/E corner		18		10
	6405 BRADFORD ST	6537581										Service to be installed on W.O.#2969290					
	6408 BRADFORD ST	5543571										Service to be installed on W.O.#2969290					
	6411 BRADFORD ST	5629191	1-3"	3	U1P-#2	35	RD4-56	169-260		100	SR	PC	Installed on		15		10
	6412 BRADFORD ST	5543572	1-3"	3	U1P-#2	46	RD4-56	169-260		100	SR	MA	W.O.#2969290			24	
	6418 BRADFORD ST	5543570	1-3"	3	U1P-#2	38	RD4-56	169-260		100	SR	MA	RHA. Wire out to West wall S/W corner			20	
	6419 BRADFORD ST	5486451	1-3"	3	U1P-#2	71	RD4-56	169-260		100	SR	PC	Wire out to West wall before ex mtr			21	7
	6425 BRADFORD ST	5629166	1-3"	3	U1P-#2	53	RD4-201	169-260		100	SR	PC	Wire out to East wall beyond ex mtr	Y	20	26 10	11
	6426 BRADFORD ST	5543573	1-3"	3	U1P-#2	47	RD4-201	169-260		200	SR	PC	Wire out to East wall beyond ex mtr			25	9
	6433 BRADFORD ST	5629169	1-3"	3	U1P-#2	46	RD4-201	169-260		200	SR	MA	LHA. Wire out to West wall N/W corner		18		
	6434 BRADFORD ST	5543547	1-3"	3	U1P-#2	40	RD4-201	169-260		200	SR	MA	LHA. Wire out to West wall @ ex mtr		21		
	6441 BRADFORD ST	5629167	1-3"	3	U1P-#2	32	RD4-201	169-260		100	SR	MA	LHA. Wire out to East wall N/E corner		10	7	
	6442 BRADFORD ST	5543548	1-3"	3	U1P-#2	37	RD4-201	169-260		200	SR	MA	RHA. Wire out to East wall at ex mtr		4	12	
	6503 BRADFORD ST	5629168	1-3"	3	U1P-#2	135	RD4-202	169-261		100	SR	PC	Wire out to East wall N/E corner beyond window			18	32
	6504 BRADFORD ST	5543549	1-3"	3	U1P-#2	35	RD4-201	169-260		100	SR	PC	Wire out to West wall S/W corner		3	11	11
	6508 BRADFORD ST	5723417	1-3"	3	U1P-#2	78	RD4-202	169-261		100	SR	PC	Wire out to East wall beyond ex mtr		5	13	4
	6509 BRADFORD ST	5629145	1-3"	3	U1P-#2	30	RD4-202	169-261		100	SR	PC	Wire out to East wall N/E corner		10	5	43
	6516 BRADFORD ST	5543545	1-3"	3	U1P-#2	80	RD4-202	169-261		100	SR	PC	Wire out to West wall beyond ex mtr		15		4
	6517 BRADFORD ST	5629142	1-3"	3	U1P-#2	153	RD4-202	169-261		100	SR	MA	LHA. Wire out to West wall at ex mtr		35	3	
	6522 BRADFORD ST	5543523	1-3"	3	U1P-#2	87	RD4-202	169-261		100	SR	PC	Wire out to East wall S/E corner			5	3
	6525 BRADFORD ST	5629143	1-3"	3	U1P-#2	152	RD4-207	169-262		100	SR	PC	Wire out S/East wall beyond ex mtr.		33		15
	6528 BRADFORD ST	5543522	1-3"	3	U1P-#2	102	RD4-202	169-261		200	SR	PC	Wire out to West wall beyond ex mtr			16	7
	6533 BRADFORD ST	5629144	1-3"	3	U1P-#2	110	RD4-207	169-262		100	SR	MA	LHA. Wire out to West wall at ex mtr	Y	20		
	6534 BRADFORD ST	5486426	1-3"	3	U1P-#2	73	RD4-207	169-262		200	SR	PC	Wire out to East wall S/E corner			8	4
	6540 BRADFORD ST	5723414	1-3"	3	U1P-#2	71	RD4-207	169-262		100	SR	PC	Wire out to West wall S/W corner		4		3
	6546 BRADFORD ST	5701229	1-3"	3	U1P-#2	29	RD4-207	169-262		200	SR	PC	Wire out to South wall before ex meter	Y	11		4
	6552 BRADFORD ST	5543525	1-3"	3	U1P-#2	31	RD4-207	169-262		100	SR	PC	Wire out to North wall beyond ex mtr		15		3
	6556 BRADFORD ST	5543524	1-3"	3	U1P-#2	25	RD4-207	169-263		100	SR	PC	Wire out to South wall S/W corner; Dec. Paving			8	2

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS
APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

TO: X RECORDER/COUNTY CLERK
P.O. BOX 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA 92101-2422

FROM: CITY OF SAN DIEGO
DEVELOPMENT SERVICES DEPARTMENT
1222 FIRST AVENUE, MS 501
SAN DIEGO, CA 92101

OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

PROJECT NO.: 299805

PROJECT TITLE: FY 2012 Underground Utility District

PROJECT LOCATION-SPECIFIC: Installation of an underground utility system and related work at the following locations and community plan areas: 1) UU72 Howard Street (Greater North Park), 2) UU388 Wightman Street (Mid-City: City Heights), 3) UU617 Hilltop Drive, Boundary St. to Toyne St. (Southeastern San Diego), 4) UU16 Woodrow Avenue Calvacado to Amracost (Skyline-Paradise Hills), 5) UU302 Baker Street, Sumter St. to Morena Boulevard (Clairemont Mesa), 6) UU629 Seminole Drive, Stanley Ave. to Estelle Street (Mid City: Eastern Area), 7) UU193 Coronado, I-5 SB on Ramp to SB 27th Street (Otay Mesa-Nestor), 8) UU995 25th (SB) Street, Coronado (SB) Ave. to Grove Ave. (Otay Mesa-Nestor), 9) UU874 Residential Block 6H, Trenton Ave. (Clairemont Mesa), 10) UU209 Residential Block, 7G2 Acorn St. (Mid City: Eastern Area) and 10) UU889 (Skyline-Paradise Hills).

PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: The project would consist of trenching approximately 5 feet deep and 2.5 feet wide along one side of each public right-of-way, installing conduit and substructures such as transformers on concrete pads, installing cable through the conduits, providing individual customer connections, removing existing overhead lines and poles and installing streetlights. Work would include pole installation or reinstallation where necessary, trenching (18-inches deep) of conduit from electrical service points to the street light locations and installation of pull-boxes when required, and other necessary appurtenances. Curb ramps would be installed where missing. In addition, sidewalk repairs, preservation of historical stamps and street resurfacing would be done. Traffic control measures and Best Management Practices (BMPs) would be implemented during construction. Any street tree removal, relocation, and/or trimming would be done under the supervision of the City Arborist. The street light locations are within urban developed areas, no sensitive vegetation would be affected or removed, and historic sidewalk stamps would be preserved per contract specifications. The project location is not included on any government code listing of hazardous waste sites.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego, Public Works-E&CP Dept./James Bajet, 600 B Street, Suite 800, (MS 908A), San Diego, CA 92101, (619) 533-5112

EXEMPT STATUS: (CHECK ONE)

- () MINISTERIAL (SEC. 21080(b)(1); 15268);
() DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
() EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c))
(X) CATEGORICAL EXEMPTION: 15303(D) (NEW CONSTRUCTION OR CONVERSION OF SMALL STRUCTURES)
() STATUTORY EXEMPTIONS:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review which determined that the installation of an underground utility system and associated improvements would be located within the public right-of-way and all improvements would occur in non-sensitive areas. The entire project is in areas that have been previously paved and/or disturbed. The action of the improvements related to this project and the scope, would not have any affects on archaeological or biological resources. Furthermore the project meets the criteria set forth in CEQA Section 15302(d) which allows for the conversion of overhead utilities to underground and the exceptions listed in CEQA Section 15300.2 would not apply.

LEAD AGENCY CONTACT PERSON: Jeffrey Szymanski TELEPHONE: (619) 446-5324

IF FILED BY APPLICANT:

- 1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
() YES () NO

IT IS HEREBY CERTIFIED THAT THE CITY OF SAN DIEGO HAS DETERMINED THE ABOVE ACTIVITY TO BE EXEMPT FROM CEQA

Signature/STEVE PLANNER
SIGNATURE/TITLE

12/4/13
DATE

CHECK ONE:
(X) SIGNED BY LEAD AGENCY
() SIGNED BY APPLICANT

DATE RECEIVED FOR FILING WITH COUNTY CLERK OR OPR:

APPENDIX B
FIRE HYDRANT METER PROGRAM

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 1 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

1. **PURPOSE**

1.1 To establish a Departmental policy and procedure for issuance, proper usage and charges for fire hydrant meters.

2. **AUTHORITY**

- 2.1 All authorities and references shall be current versions and revisions.
- 2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15
- 2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986
- 2.4 California Code of Regulations, Titles 17 and 22
- 2.5 California State Penal Code, Section 498B.0
- 2.6 State of California Water Code, Section 110, 500-6, and 520-23
- 2.7 Water Department Director

Reference

- 2.8 State of California Guidance Manual for Cross Connection Programs
- 2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention
- 2.10 American Water Works Association Standards for Water Meters
- 2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

3. **DEFINITIONS**

3.1 **Fire Hydrant Meter:** A portable water meter which is connected to a fire hydrant for the purpose of temporary use. (These meters are sometimes referred to as Construction Meters.)

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 2 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.

3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

4. **POLICY**

4.1 The Water Department shall collect a deposit from every customer requiring a fire hydrant meter and appurtenances prior to providing the meter and appurtenances (see Section 7.1 regarding the Fees and Deposit Schedule). The deposit is refundable upon the termination of use and return of equipment and appurtenances in good working condition.

4.2 Fire hydrant meters will have a 2 ½" swivel connection between the meter and fire hydrant. The meter shall not be connected to the 4" port on the hydrant. All Fire Hydrant Meters issued shall have a Reduced Pressure Principle Assembly (RP) as part of the installation. Spanner wrenches are the only tool allowed to turn on water at the fire hydrant.

4.3 The use of private hydrant meters on City hydrants is prohibited, with exceptions as noted below. All private fire hydrant meters are to be phased out of the City of San Diego. All customers who wish to continue to use their own fire hydrant meters must adhere to the following conditions:

a. Meters shall meet all City specifications and American Water Works Association (AWWA) standards.

b. Customers currently using private fire hydrant meters in the City of San Diego water system will be allowed to continue using the meter under the following conditions:

1. The customer must submit a current certificate of accuracy and calibration results for private meters and private backflows annually to the City of San Diego, Water Department, Meter Shop.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 3 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

2. The meter must be properly identifiable with a clearly labeled serial number on the body of the fire hydrant meter. The serial number shall be plainly stamped on the register lid and the main casing. Serial numbers shall be visible from the top of the meter casing and the numbers shall be stamped on the top of the inlet casing flange.
3. All meters shall be locked to the fire hydrant by the Water Department, Meter Section (see Section 4.7).
4. All meters shall be read by the Water Department, Meter Section (see Section 4.7).
5. All meters shall be relocated by the Water Department, Meter Section (see Section 4.7).
6. These meters shall be tested on the anniversary of the original test date and proof of testing will be submitted to the Water Department, Meter Shop, on a yearly basis. If not tested, the meter will not be allowed for use in the City of San Diego.
7. All private fire hydrant meters shall have backflow devices attached when installed.
8. The customer must maintain and repair their own private meters and private backflows.
9. The customer must provide current test and calibration results to the Water Department, Meter Shop after any repairs.
10. When private meters are damaged beyond repair, these private meters will be replaced by City owned fire hydrant meters.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 4 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

11. When a private meter malfunctions, the customer will be notified and the meter will be removed by the City and returned to the customer for repairs. Testing and calibration results shall be given to the City prior to any re-installation.
 12. The register shall be hermetically sealed straight reading and shall be readable from the inlet side. Registration shall be in hundred cubic feet.
 13. The outlet shall have a 2 ½ "National Standards Tested (NST) fire hydrant male coupling.
 14. Private fire hydrant meters shall not be transferable from one contracting company to another (i.e. if a company goes out of business or is bought out by another company).
- 4.4 All fire hydrant meters and appurtenances shall be installed, relocated and removed by the City of San Diego, Water Department. All City owned fire hydrant meters and appurtenances shall be maintained by the City of San Diego, Water Department, Meter Services.
- 4.5 If any fire hydrant meter is used in violation of this Department Instruction, the violation will be reported to the Code Compliance Section for investigation and appropriate action. Any customer using a fire hydrant meter in violation of the requirements set forth above is subject to fines or penalties pursuant to the Municipal Code, Section 67.15 and Section 67.37.

4.6 Conditions and Processes for Issuance of a Fire Hydrant Meter

Process for Issuance

- a. Fire hydrant meters shall only be used for the following purposes:
 1. Temporary irrigation purposes not to exceed one year.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 5 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

2. Construction and maintenance related activities (see Tab 2).
- b. No customer inside or outside the boundaries of the City of San Diego Water Department shall resell any portion of the water delivered through a fire hydrant by the City of San Diego Water Department.
 - c. The City of San Diego allows for the issuance of a temporary fire hydrant meter for a period not to exceed 12 months (365 days). An extension can only be granted in writing from the Water Department Director for up to 90 additional days. A written request for an extension by the consumer must be submitted at least 30 days prior to the 12 month period ending. No extension shall be granted to any customer with a delinquent account with the Water Department. No further extensions shall be granted.
 - d. Any customer requesting the issuance of a fire hydrant meter shall file an application with the Meter Section. The customer must complete a "Fire Hydrant Meter Application" (Tab 1) which includes the name of the company, the party responsible for payment, Social Security number and/or California ID, requested location of the meter (a detailed map signifying an exact location), local contact person, local phone number, a contractor's license (or a business license), description of specific water use, duration of use at the site and full name and address of the person responsible for payment.
 - e. At the time of the application the customer will pay their fees according to the schedule set forth in the Rate Book of Fees and Charges, located in the City Clerk's Office. All fees must be paid by check, money order or cashiers check, made payable to the City Treasurer. Cash will not be accepted.
 - f. No fire hydrant meters shall be furnished or relocated for any customer with a delinquent account with the Water Department.
 - g. After the fees have been paid and an account has been created, the

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 6 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

meter shall be installed within 48 hours (by the second business day). For an additional fee, at overtime rates, meters can be installed within 24 hours (within one business day).

4.7 Relocation of Existing Fire Hydrant Meters

- a. The customer shall call the Fire Hydrant Meter Hotline (herein referred to as "Hotline"), a minimum of 24 hours in advance, to request the relocation of a meter. A fee will be charged to the existing account, which must be current before a work order is generated for the meter's relocation.
- b. The customer will supply in writing the address where the meter is to be relocated (map page, cross street, etc). The customer must update the original Fire Hydrant Meter Application with any changes as it applies to the new location.
- c. Fire hydrant meters shall be read on a monthly basis. While fire hydrant meters and backflow devices are in service, commodity, base fee and damage charges, if applicable, will be billed to the customer on a monthly basis. If the account becomes delinquent, the meter will be removed.

4.8 Disconnection of Fire Hydrant Meter

- a. After ten (10) months a "Notice of Discontinuation of Service" (Tab 3) will be issued to the site and the address of record to notify the customer of the date of discontinuance of service. An extension can only be granted in writing from the Water Department Director for up to 90 additional days (as stated in Section 4.6C) and a copy of the extension shall be forwarded to the Meter Shop Supervisor. If an extension has not been approved, the meter will be removed after twelve (12) months of use.
- b. Upon completion of the project the customer will notify the Meter Services office via the Hotline to request the removal of the fire hydrant meter and appurtenances. A work order will be generated

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 7 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

for removal of the meter.

- c. Meter Section staff will remove the meter and backflow prevention assembly and return it to the Meter Shop. Once returned to the Meter Shop the meter and backflow will be tested for accuracy and functionality.
- d. Meter Section Staff will contact and notify Customer Services of the final read and any charges resulting from damages to the meter and backflow or its appurtenance. These charges will be added on the customer's final bill and will be sent to the address of record. Any customer who has an outstanding balance will not receive additional meters.
- e. Outstanding balances due may be deducted from deposits and any balances refunded to the customer. Any outstanding balances will be turned over to the City Treasurer for collection. Outstanding balances may also be transferred to any other existing accounts.

5. **EXCEPTIONS**

- 5.1 Any request for exceptions to this policy shall be presented, in writing, to the Customer Support Deputy Director, or his/her designee for consideration.

6. **MOBILE METER**

- 6.1 Mobile meters will be allowed on a case by case basis. All mobile meters will be protected by an approved backflow assembly and the minimum requirement will be a Reduced Pressure Principal Assembly. The two types of Mobile Meters are vehicle mounted and floating meters. Each style of meters has separate guidelines that shall be followed for the customer to retain service and are described below:

- a) **Vehicle Mounted Meters:** Customer applies for and receives a City owned Fire Hydrant Meter from the Meter Shop. The customer mounts the meter on the vehicle and brings it to the Meter Shop for

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 8 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

inspection. After installation is approved by the Meter Shop the vehicle and meter shall be brought to the Meter Shop on a monthly basis for meter reading and on a quarterly basis for testing of the backflow assembly. Meters mounted at the owner's expense shall have the one year contract expiration waived and shall have meter or backflow changed if either fails.

- b) **Floating Meters:** Floating Meters are meters that are not mounted to a vehicle. **(Note: All floating meters shall have an approved backflow assembly attached.)** The customer shall submit an application and a letter explaining the need for a floating meter to the Meter Shop. The Fire Hydrant Meter Administrator, after a thorough review of the needs of the customer, (i.e. number of jobsites per day, City contract work, lack of mounting area on work vehicle, etc.), may issue a floating meter. At the time of issue, it will be necessary for the customer to complete and sign the "Floating Fire Hydrant Meter Agreement" which states the following:

- 1) The meter will be brought to the Meter Shop at 2797 Caminito Chollas, San Diego on the third week of each month for the monthly read by Meter Shop personnel.
- 2) Every other month the meter will be read and the backflow will be tested. This date will be determined by the start date of the agreement.

If any of the conditions stated above are not met the Meter Shop has the right to cancel the contract for floating meter use and close the account associated with the meter. The Meter Shop will also exercise the right to refuse the issuance of another floating meter to the company in question.

Any Fire Hydrant Meter using reclaimed water shall not be allowed use again with any potable water supply. The customer shall incur the cost of replacing the meter and backflow device in this instance.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 9 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

7. FEE AND DEPOSIT SCHEDULES

7.1 **Fees and Deposit Schedules:** The fees and deposits, as listed in the Rate Book of Fees and Charges, on file with the Office of the City Clerk, are based on actual reimbursement of costs of services performed, equipment and materials. These deposits and fees will be amended, as needed, based on actual costs. Deposits, will be refunded at the end of the use of the fire hydrant meter, upon return of equipment in good working condition and all outstanding balances on account are paid. Deposits can also be used to cover outstanding balances.

All fees for equipment, installation, testing, relocation and other costs related to this program are subject to change without prior notification. The Mayor and Council will be notified of any future changes.

8. UNAUTHORIZED USE OF WATER FROM A HYDRANT

- 8.1 Use of water from any fire hydrant without a properly issued and installed fire hydrant meter is theft of City property. Customers who use water for unauthorized purposes or without a City of San Diego issued meter will be prosecuted.
- 8.2 If any unauthorized connection, disconnection or relocation of a fire hydrant meter, or other connection device is made by anyone other than authorized Water Department personnel, the person making the connection will be prosecuted for a violation of San Diego Municipal Code, Section 67.15. In the case of a second offense, the customer's fire hydrant meter shall be confiscated and/or the deposit will be forfeited.
- 8.3 Unauthorized water use shall be billed to the responsible party. Water use charges shall be based on meter readings, or estimates when meter readings are not available.
- 8.4 In case of unauthorized water use, the customer shall be billed for all applicable charges as if proper authorization for the water use had been obtained, including but not limited to bi-monthly service charges, installation charges and removal charges.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 10 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

- 8.5 If damage occurs to Water Department property (i.e. fire hydrant meter, backflow, various appurtenances), the cost of repairs or replacements will be charged to the customer of record (applicant).

Water Department Director

- Tabs: 1. Fire Hydrant Meter Application
 2. Construction & Maintenance Related Activities With No Return To Sewer
 3. Notice of Discontinuation of Service

APPENDIX

Administering Division: Customer Support Division

Subject Index: Construction Meters
 Fire Hydrant
 Fire Hydrant Meter Program
 Meters, Floating or Vehicle Mounted
 Mobile Meter
 Program, Fire Hydrant Meter

Distribution: DI Manual Holders



Application for Fire (EXHIBIT A) Hydrant Meter

(For Office Use Only)

NS REQ	FACH
DATE	BY

METER SHOP (619) 527-7449

Meter Information

Application Date	Requested Install Date:
------------------	-------------------------

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) Zip:	I.B.	G.B. (CITY USE)
Specific Use of Water:		
Any Return to Sewer or Storm Drain, if so, explain:		
Estimated Duration of Meter Use:	<input type="checkbox"/>	<input type="checkbox"/> Check Box if Reclaimed Water

Company Information

Company Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ()
*Business license#		*Contractor license#	
A Copy of the Contractor's license OR Business License is required at the time of meter issuance.			
Name and Title of Billing Agent: <small>(PERSON IN ACCOUNTS PAYABLE)</small>			Phone: ()
Site Contact Name and Title:			Phone: ()
Responsible Party Name:			Title:
Cal ID#			Phone: ()
Signature:		Date:	
<small>Guarantees Payment of all Charges Resulting from the use of this Meter. Insures that employees of this Organization understand the proper use of Fire Hydrant Meter</small>			

Fire Hydrant Meter Removal Request		Requested Removal Date:
Provide Current Meter Location if Different from Above:		
Signature:	Title:	Date:
Phone: ()	Pager: ()	

City Meter	Private Meter
Contract Acct #:	Deposit Amount: \$ 936.00 Fees Amount: \$ 62.00
Meter Serial #	Meter Size: 05 Meter Make and Style: 6-7
Backflow #	Backflow Size: Backflow Make and Style:
Name:	Signature: Date:

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

Auto Detailing
Backfilling
Combination Cleaners (Vactors)
Compaction
Concrete Cutters
Construction Trailers
Cross Connection Testing
Dust Control
Flushing Water Mains
Hydro Blasting
Hydro Seeing
Irrigation (for establishing irrigation only; not continuing irrigation)
Mixing Concrete
Mobile Car Washing
Special Events
Street Sweeping
Water Tanks
Water Trucks
Window Washing

Note:

1. If there is any return to sewer or storm drain, then sewer and/or storm drain fees will be charges.

Date

Name of Responsible Party
Company Name and Address
Account Number: _____

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

The authorization for use of Fire Hydrant Meter # _____, located at *(Meter Location Address)* ends in 60 days and will be removed on or after *(Date Authorization Expires)*. Extension requests for an additional 90 days must be submitted in writing for consideration 30 days prior to the discontinuation date. If you require an extension, please contact the Water Department, or mail your request for an extension to:

City of San Diego
Water Department
Attention: Meter Services
2797 Caminito Chollas
San Diego, CA 92105-5097

Should you have any questions regarding this matter, please call the Fire Hydrant Hotline at (619) _____ - _____.

Sincerely,

Water Department

APPENDIX C

**MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE & SDGE
APPROVED MATERIAL LIST**

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

1. Soil amendment
2. Fiber mulch
3. PVC or PE pipe up to 16 inch diameter
4. Stabilizing emulsion
5. Lime
6. Preformed elastomeric joint seal
7. Plain and fabric reinforced elastomeric bearing pads
8. Steel reinforced elastomeric bearing pads
9. Waterstops (Special Condition)
10. Epoxy coated bar reinforcement
11. Plain and reinforcing steel
12. Structural steel
13. Structural timber and lumber
14. Treated timber and lumber
15. Lumber and timber
16. Aluminum pipe and aluminum pipe arch
17. Corrugated steel pipe and corrugated steel pipe arch
18. Structural metal plate pipe arches and pipe arches
19. Perforated steel pipe
20. Aluminum underdrain pipe
21. Aluminum or steel entrance tapers, pipe downdrains, reducers, coupling bands and slip joints
22. Metal target plates
23. Paint (traffic striping)
24. Conductors
25. Painting of electrical equipment
26. Electrical components
27. Engineering fabric
28. Portland Cement
29. PCC admixtures
30. Minor concrete, asphalt
31. Asphalt (oil)
32. Liquid asphalt emulsion
33. Epoxy

SDGE Approved Material List- Block 7G2

Stock Number	Description	Unit of Measure
162426	Handhole Body 17"X 30"X 12" 3312	EA
162664	Base Section 18" 3313	EA
162690	Quazite Box 37"X26"X26"	EA
249630	Conduit DB 1" Polyethylene	FT
249664	Conduit DB 3", 20' Length	FT
249710	Conduit DB 100 4", 20' Length	FT
249728	Conduit DB 5", 20' Length	FT
321812	Bend Conduit DB 2" 90 D 36" R	FT
321826	4" DB 100 22.5 D R Bend	EA
321856	Bend Conduit DB 5" 22.5 D 25' R	EA
321878	Bend Conduit DB 3" 45 D 36" R	EA
322048	Bend Conduit DB 3" 90 D 36" R	EA
322082	4" DB 100 90 D 36" R Bend	EA
322112	Bend Conduit 5" 90 D 36" R	EA
322144	Bend Conduit 3" 22.5 D 25' R	EA
322472	Elbow 3"-36" R 90 D PVC SCH 80	EA
400302	3313 Traffic Cover Handhole Complete	EA
400308	3315 Traffic Cover Handhole Complete	EA
400312	3316 Traffic Cover Handhole Complete	EA
476302	Marker Conduit Stub Red	EA
476494	Marker, Ball, E.F.M.S.	EA
514022	Pad 3417 600 AMP Deadfront Terminator	EA
514240	Pad 1-Phase XMFR/ 3-Phase F.C. 3421	EA
514280	Pad Capacitor 3414	EA
537224	Pipe Steel 4" .188 Wall Plain Bare 5L	FT
573376	Conduit Bell Reducer 3" to 2"	EA
573380	Conduit Bell Reducer 4" to 3"	EA
573384	Conduit Bell Reducer 5" to 4"	EA
663528	Spacer Intermediate 5" 2-Way	EA
663530	1" Base Spacer	EA
812816	Wire Base Copper #2-7 STR Soft Drawn	LB
809200	Wire Tracer 14AWG 600V CU Soild Insulate	FT

APPENDIX D
SAMPLE CITY INVOICE WITH SPEND CURVE

City of San Diego, CM&FS Div., 9753 Chesapeake Drive, SD CA 92123

Project Name:

Work Order No or Job Order No.

City Purchase Order No.

Resident Engineer (RE):

RE Phone#: Fax#:

Contractor's Name:

Contractor's Address:

Contractor's Phone #:

Contractor's fax #:

Contact Name:

Invoice No.

Invoice Date:

Billing Period: (To)

Item #	Item Description	Contract Authorization				Previous Totals To Date		This Estimate		Totals to Date	
		Unit	Price	Qty	Extension	%/QTY	Amount	% / QTY	Amount	% / QTY	Amount
1					\$ -		\$ -		\$ -	0.00%	\$ -
2					\$ -		\$ -		\$ -	0.00%	\$ -
3					\$ -		\$ -		\$ -	0.00%	\$ -
4					\$ -		\$ -		\$ -	0.00%	\$ -
5					\$ -		\$ -		\$ -	0.00%	\$ -
6					\$ -		\$ -		\$ -	0.00%	\$ -
7					\$ -		\$ -		\$ -	0.00%	\$ -
8					\$ -		\$ -		\$ -	0.00%	\$ -
5					\$ -		\$ -		\$ -	0.00%	\$ -
6					\$ -		\$ -		\$ -	0.00%	\$ -
7					\$ -		\$ -		\$ -	0.00%	\$ -
8					\$ -		\$ -		\$ -	0.00%	\$ -
9					\$ -		\$ -		\$ -	0.00%	\$ -
10					\$ -		\$ -		\$ -	0.00%	\$ -
11					\$ -		\$ -		\$ -	0.00%	\$ -
12					\$ -		\$ -		\$ -	0.00%	\$ -
13					\$ -		\$ -		\$ -	0.00%	\$ -
14					\$ -		\$ -		\$ -	0.00%	\$ -
15					\$ -		\$ -		\$ -	0.00%	\$ -
16					\$ -		\$ -		\$ -	0.00%	\$ -
17	Field Orders				\$ -		\$ -		\$ -	0.00%	\$ -
	CHANGE ORDER No.				\$ -		\$ -		\$ -	0.00%	\$ -
					\$ -		\$ -		\$ -	0.00%	\$ -
Total Authorized Amount (including approved Change Order)					\$ -		\$ -		\$ -	Total Billed	\$ -

SUMMARY

A. Original Contract Amount	\$ -
B. Approved Change Order #00 Thru #00	\$ -
C. Total Authorized Amount (A+B)	\$ -
D. Total Billed to Date	\$ -
E. Less Total Retention (5% of D)	\$ -
F. Less Total Previous Payments	\$ -
G. Payment Due Less Retention	\$0.00
H. Remaining Authorized Amount	\$0.00

I certify that the materials
have been received by me in
the quality and quantity specified

Resident Engineer

Construction Engineer

Retention and/or Escrow Payment Schedule

Total Retention Required as of this billing (Item E)	\$0.00
Previous Retention Withheld in PO or in Escrow	\$0.00
Add'l Amt to Withhold in PO/Transfer in Escrow:	\$0.00
Amt to Release to Contractor from PO/Escrow:	

Contractor Signature and Date: _____

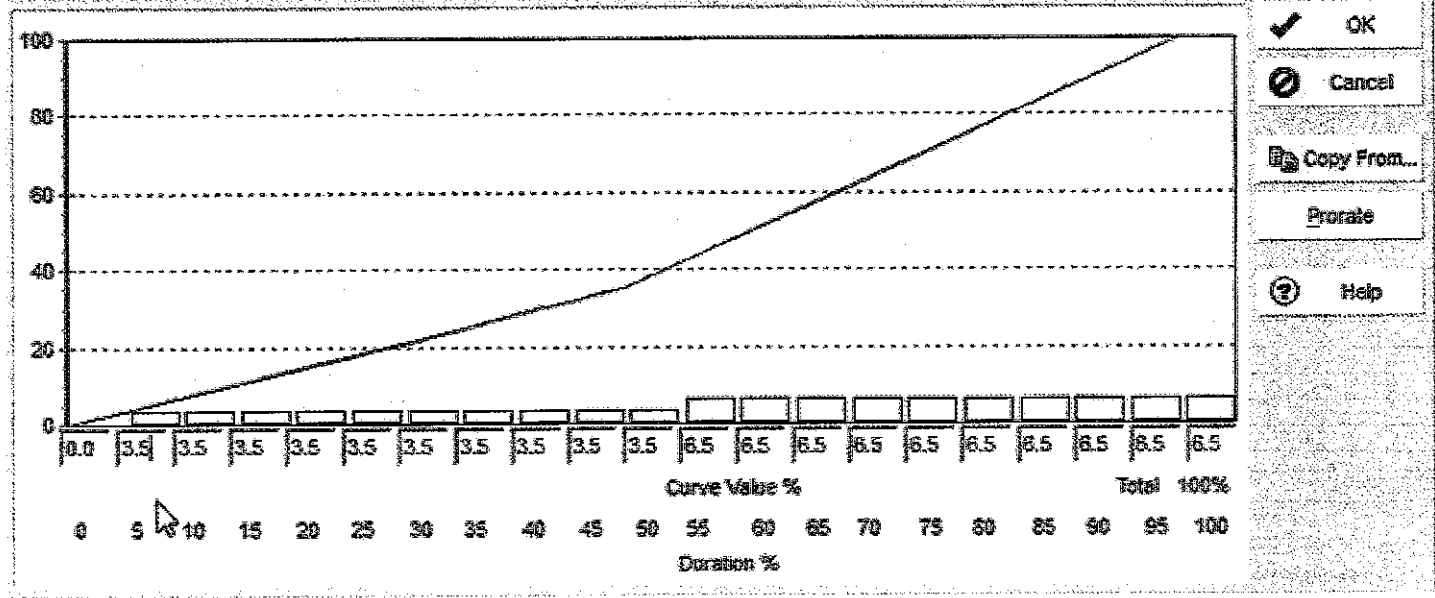
Sample Project Spend Curve

Incremental Curve Value
Duration % Increment

Sample Date Entries Required

0.0%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%
0%	5%	10%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	95%	100%

Sample Screenshot from Primavera P6

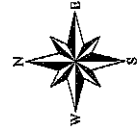
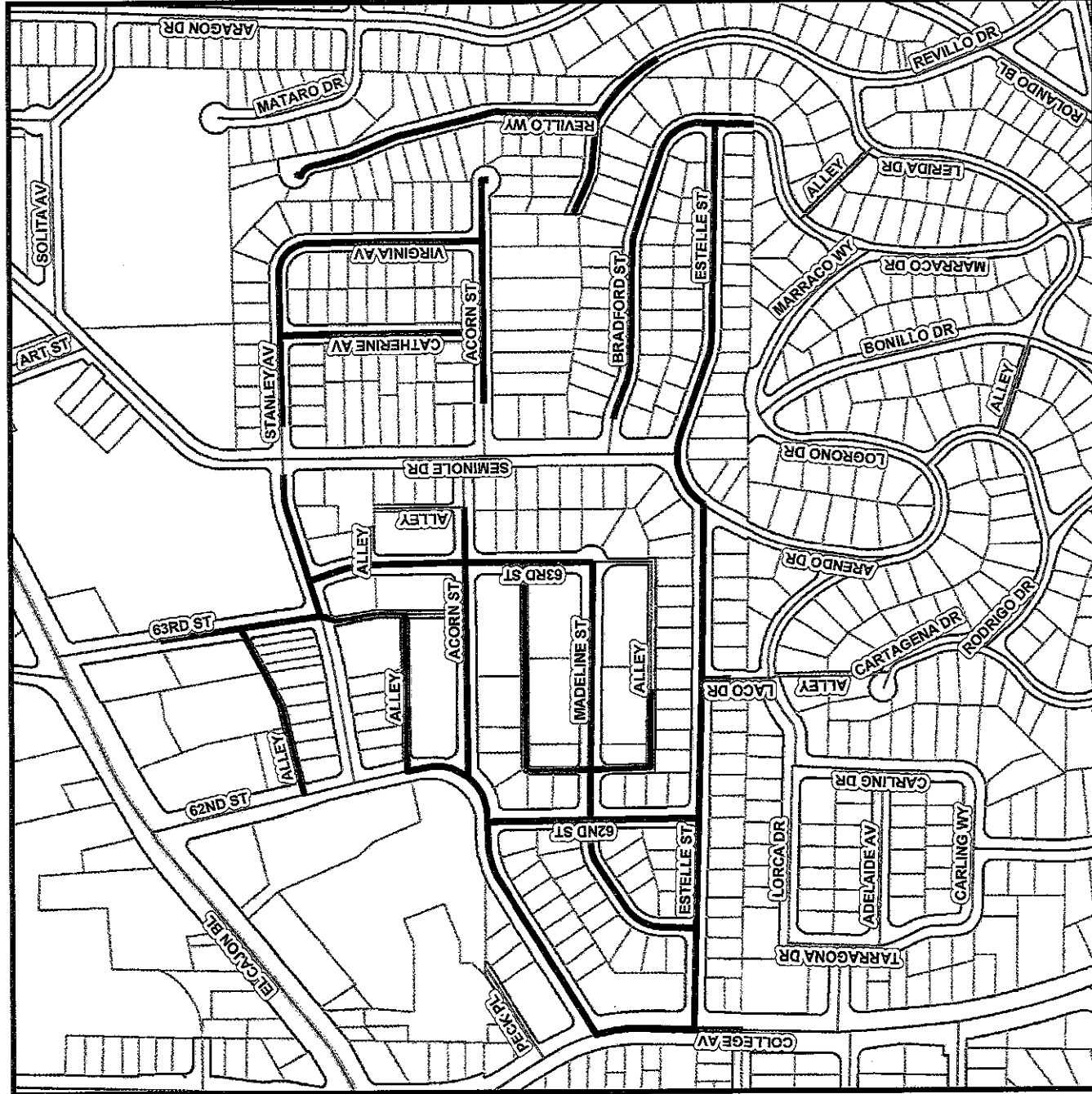
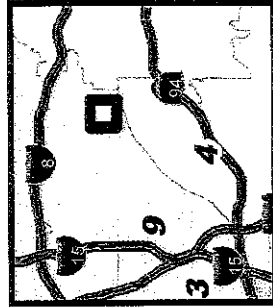


APPENDIX E
LOCATION MAP

The City of **SAN DIEGO** Public Works

BLOCK 7G2 UUP - CIP

FOR QUESTIONS ABOUT THIS PROJECT
 Call: 619-533-4207
 Email: engineering@sandiego.gov



Legend

— District 7 Block 7G2 UUD

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY © to SanGIS. This map is copyrighted by RAND McNALLY & COMPANY ©. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY.

APPENDIX F
SAMPLE OF PUBLIC NOTICE

FOR SAMPLE REFERENCE ONLY



CONSTRUCTION NOTICE

PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
- Streets where trenching takes place will be resurfaced and curb ramps will be upgraded to facilitate access for persons with disabilities where required.
- This work is anticipated to be complete in your community by December 2016.

How your neighborhood may be impacted:

- Water service to some properties during construction will be provided by a two-inch highline pipe that will run along the curb. To report a highline leak call 619-515-3525.
- Temporary water service disruptions are planned. If planned disruptions impact your property, you will receive advance notice.
- Parking restrictions will exist because of the presence of construction equipment and materials.
- "No Parking" signs will be displayed 72 hours in advance of the work.
- Cars parked in violation of signs will be TOWED.

Hours and Days of Operation:

Monday through Friday X:XX AM to X:XX PM.

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



CONSTRUCTION NOTICE

PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
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- Cars parked in violation of signs will be TOWED.

Hours and Days of Operation:


Monday through Friday X:XX AM to X:XX PM.

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX

To contact the City of San Diego:  **Public Works**
619-533-4207 | engineering@sandiego.gov | sandiego.gov/CIP

⊗ This information is available in alternative formats upon request.
Block 7G2 UUP
Appendix F – Sample of Public Notice

To contact the City of San Diego:  **Public Works**
619-533-4207 | engineering@sandiego.gov | sandiego.gov/CIP

⊗ This information is available in alternative formats upon request.

APPENDIX G

ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

Protecting AMI Devices in Meter Boxes and on Street Lights

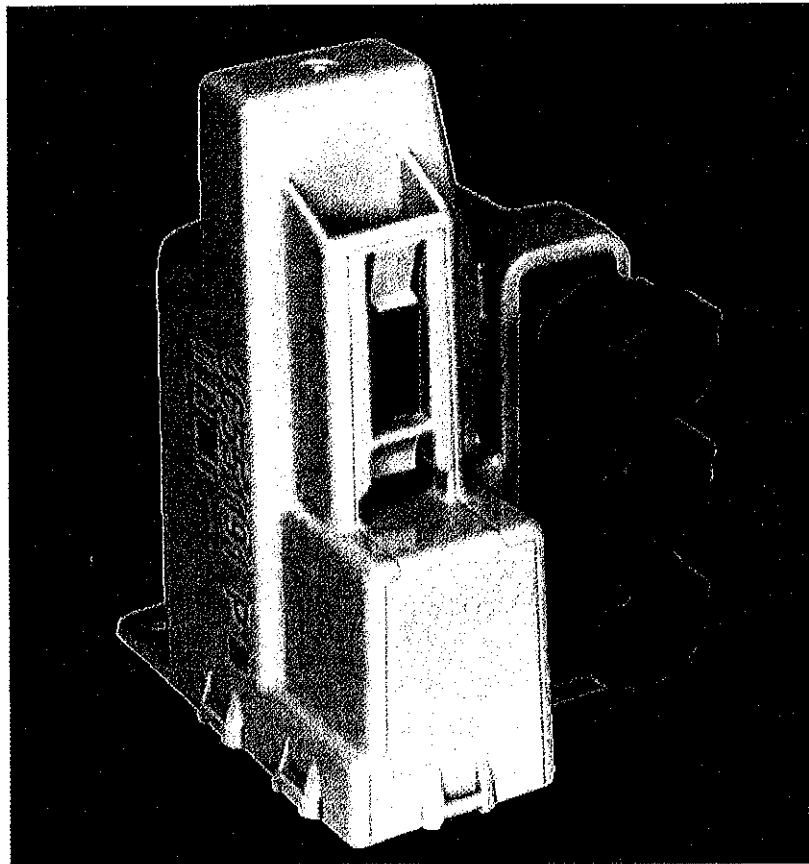
The Public Utilities Department (PUD) has begun the installation of the Advanced Metering Infrastructure (AMI) technology as a new tool to enhance water meter reading accuracy and efficiency, customer service and billing, and to be used by individual accounts to better manage the efficient use of water. **All AMI devices shall be protected per Section 5-2, "Protection", of the 2015 Whitebook.**

AMI technology allows water meters to be read electronically rather than through direct visual inspection by PUD field staff. This will assist PUD staff and customers in managing unusual consumption patterns which could indicate leaks or meter tampering on a customer's property.

Three of the main components of an AMI system are the:

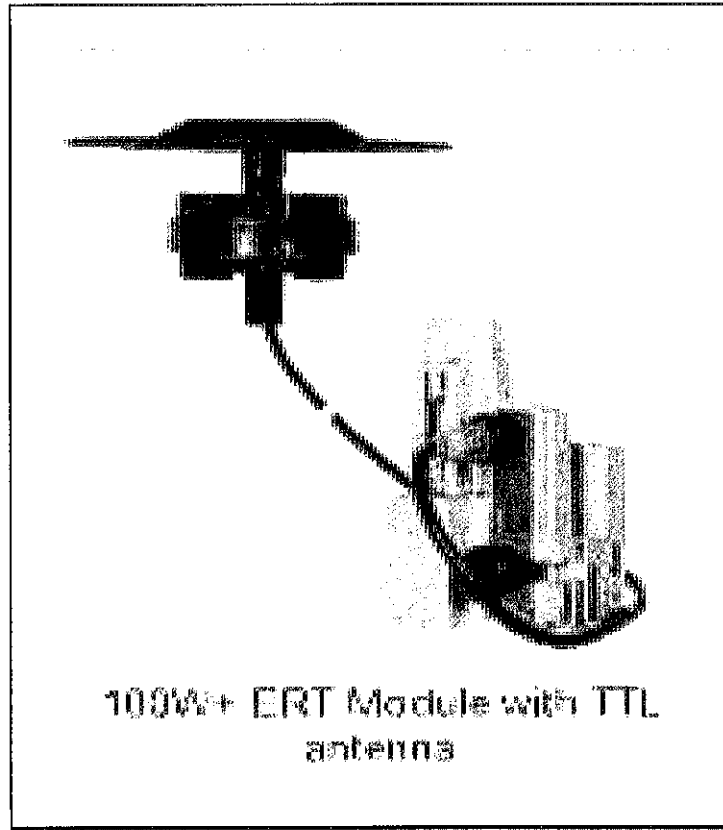
- A. Endpoints, see Photo 1:

Photo 1



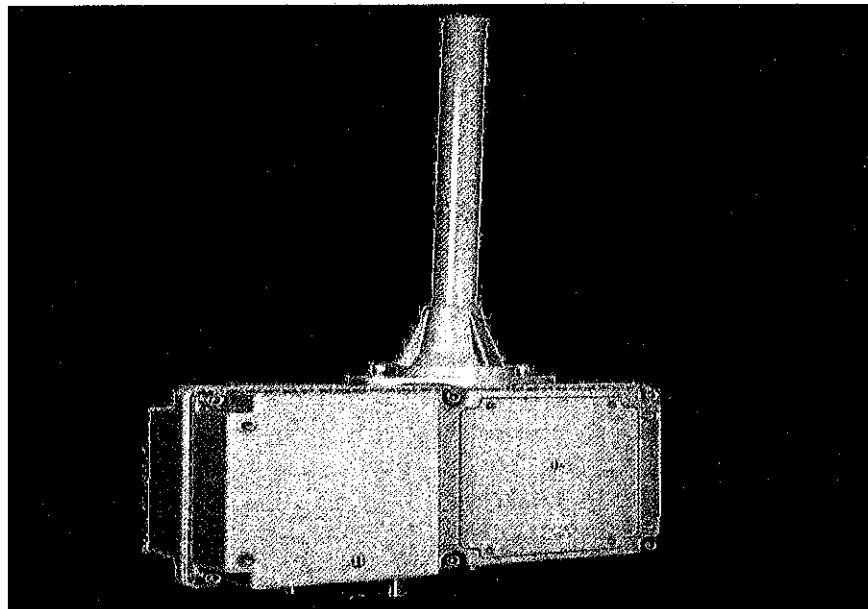
B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:

Photo 2



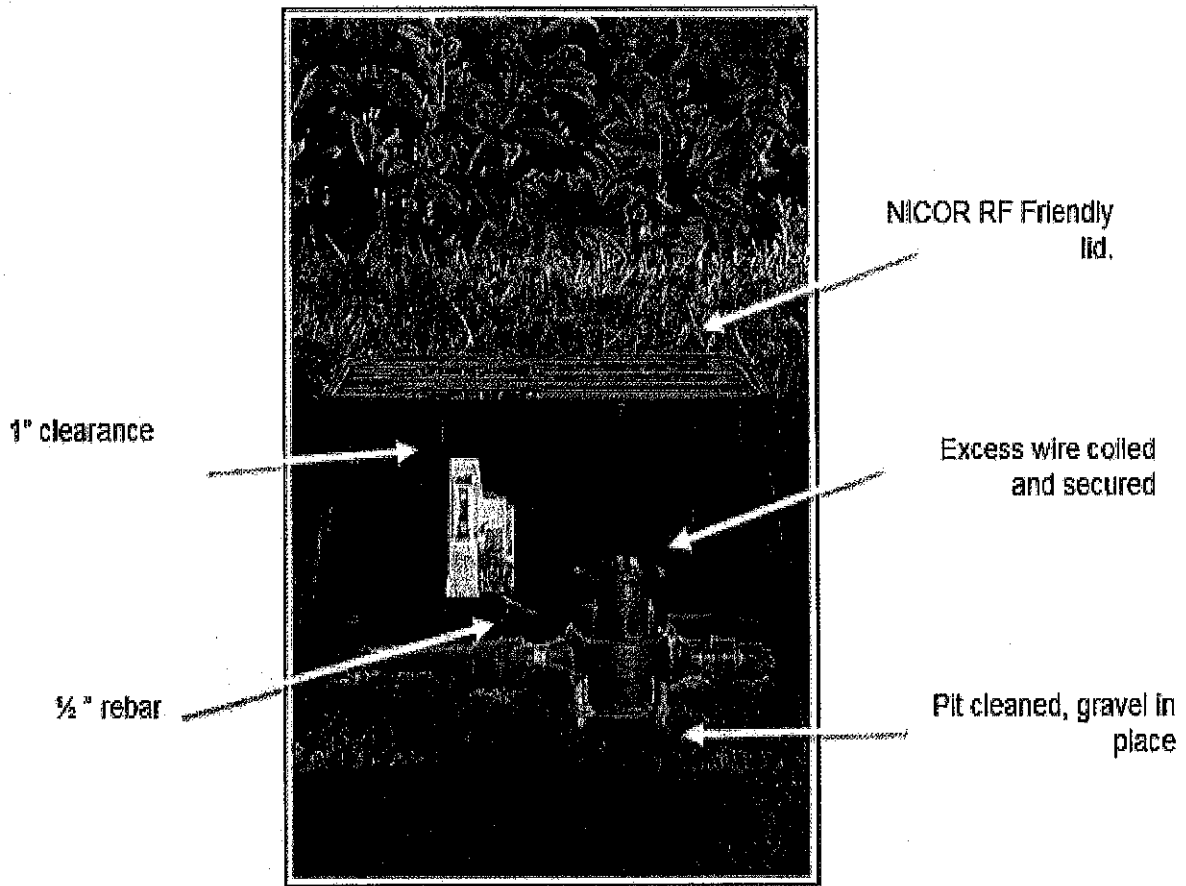
Network Devices, see Photo 3:

Photo 3



AMI endpoints transmit meter information to the AMI system and will soon be on the vast majority of meters in San Diego. These AMI devices provide interval consumption data to the PUD's Customer Support Division. If these devices are damaged or communication is interrupted, this Division will be alerted of the situation. The endpoints are installed in water meter boxes, coffins, and vaults adjacent to the meter. A separate flat round antenna may also be installed through the meter box lid. This antenna is connected to the endpoint via cable. The following proper installation shall be implemented when removing the lid to avoid damaging the antenna, cable, and/or endpoint. Photo 4 below demonstrates a diagram of the connection:

Photo 4



The AMI device ERT/Endpoint/Transmitter shall be positioned and installed as discussed in this Appendix. If the ERT/Endpoint/Transmitter is disturbed, it shall be re-installed and returned to its original installation with the end points pointed upwards as shown below in Photo 5.

The PUD's code compliance staff will issue citations and invoices to you for any damaged AMI devices that are not re-installed as discussed in the Contract Document

Photo 5 below shows a typical installation of an AMI endpoint on a water meter.

Photo 5

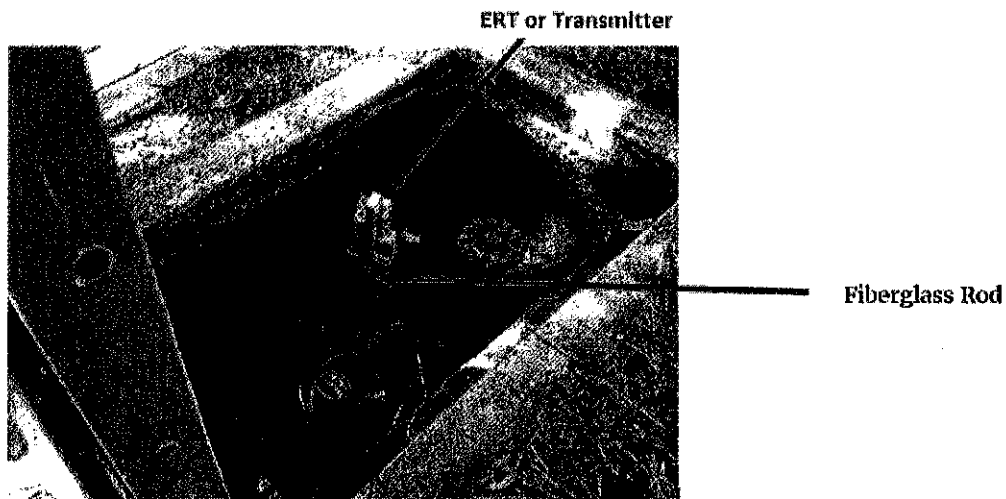


Photo 6 below is an example of disturbance that shall be avoided:

Photo 6

The antenna was drilled into the lid and now it is removed



The ERT has been disconnected from the Water Meter

The endpoint is taken off the rod which is the original installation location

You are responsible when working in and around meter boxes. If you encounter these endpoints, use proper care and do not disconnect them from the registers on top of the water meter. If the lid has an antenna drilled through, do not change or tamper with the lid and inform the Resident Engineer immediately about the location of that lid. Refer to Photo 7 below:

Photo 7



Another component of the AMI system are the Network Devices. The Network Devices are strategically placed units (mainly on street light poles) that collect interval meter reading data from multiple meters for transmission to the Department Control Computer. **If you come across any of these devices on street lights that will be removed or replaced (refer to Photos 8 and 9 below), notify AMI Project Manager Arwa Sayed at (619) 362-0121 immediately.**

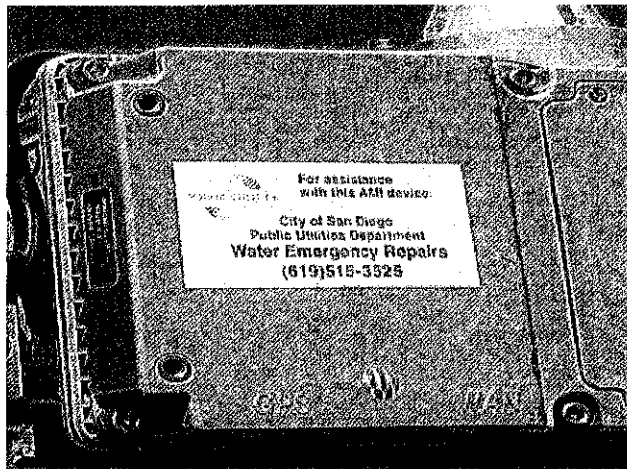
Photo 8 shows an installed network device on a street light. On the back of each Network Device is a sticker with contact information. See Photo 9. **Call PUD Water Emergency Repairs at 619-515-3525 if your work will impact these street lights.** These are assets that belong to the City of San Diego and you shall be responsible for any costs of disruption of this network.

Photo 8



Network Device

Photo 9



If you encounter any bad installations, disconnected/broken/buried endpoints, or inadvertently damage any AMI devices or cables, notify the Resident Engineer immediately. The Resident Engineer will then immediately contact the AMI Project Manager, Arwa Sayed, at (619) 362-0121.

ATTACHMENT F
INTENTIONALLY LEFT BLANK

ATTACHMENT G
CONTRACT AGREEMENT

-CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and **Southern Contracting Company**, herein called "Contractor" for construction of **BLOCK 7G2 UUP**; Bid No. **K-18-1691-DBB-3**; in the amount of, **Eight Million One Hundred Seventy Six Thousand Seven Hundred Thirty Five Dollars and Sixty Eight Cents (\$8,176,735.68)**, which is comprised of the Base Bid alone.

IN CONSIDERATION of the payments to be made hereunder and the mutual undertakings of the parties hereto, City and Contractor agree as follows:

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) That certain documents entitled **BLOCK 7G2 UUP**, on file in the office of the Public Works Department as Document No. **B-15085/21003598**, as well as all matters referenced therein.
2. The Contractor shall perform and be bound by all the terms and conditions of this contract and in strict conformity therewith shall perform and complete in a good and workmanlike manner **BLOCK 7G2 UUP**, Bid Number **K-18-1691-DBB-3**, San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement

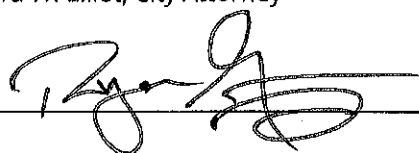
CONTRACT AGREEMENT (continued)

IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to Municipal Code **§22.3102** authorizing such execution.

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

By 

Mara W. Elliot, City Attorney
By 

Print Name: Cindy Crocker
Interim Deputy Director
Public Works Contracts

Print Name: RYAN P. GERRITY
Deputy City Attorney

Date: 10/5/18

Date: 11/6/18

CONTRACTOR

By 

Print Name: Philip E. Waterman

Title: President

Date: 5/11/18

City of San Diego License No.: B1974004617

State Contractor's License No.: 222252

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 10000002172

CERTIFICATIONS AND FORMS

The Bidder / Proposer, by submitting its electronic bid or proposal, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certifications, forms and affidavits submitted as part of this submission are true and correct.

BIDDER'S GENERAL INFORMATION

To the City of San Diego:

Pursuant to "Notice Inviting Bids", specifications, and requirements on file with the City Clerk, and subject to all provisions of the Charter and Ordinances of the City of San Diego and applicable laws and regulations of the United States and the State of California, the undersigned hereby proposes to furnish to the City of San Diego, complete at the prices stated herein, the items or services hereinafter mentioned. The undersigned further warrants that this bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

The undersigned bidder(s) further warrants that bidder(s) has thoroughly examined and understands the entire Contract Documents (plans and specifications) and the Bidding Documents therefore, and that by submitting said Bidding Documents as its bid proposal, bidder(s) acknowledges and is bound by the entire Contract Documents, including any addenda issued thereto, as such Contract Documents incorporated by reference in the Bidding Documents.

**NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED
WITH BID UNDER 23 UNITED STATES CODE 112 AND PUBLIC CONTRACT CODE
7106**

State of California

County of San Diego

The bidder, being first duly sworn, deposes and says that he or she is authorized by the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 7-13.3, "Drug-Free Workplace", of the project specifications, and that;

This company has in place a drug-free workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of subdivisions a) through c) of the policy as outlined.

CONTRACTOR CERTIFICATION

AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities Act", of the project specifications, and that:

This company has in place workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of the policy as outlined.

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

I declare under penalty of perjury that I am authorized to make this certification on behalf of the company submitting this bid/proposal, that as Contractor, I am familiar with the requirements of City of San Diego Municipal Code § 22.3004 regarding Contractor Standards as outlined in the WHITEBOOK, Section 7-13.4, ("Contractor Standards"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

CONTRACTOR CERTIFICATION

EQUAL BENEFITS ORDINANCE CERTIFICATION

I declare under penalty of perjury that I am familiar with the requirements of and in compliance with the City of San Diego Municipal Code § 22.4300 regarding Equal Benefits Ordinance.

CONTRACTOR CERTIFICATION

EQUAL PAY ORDINANCE CERTIFICATION

Contractor shall comply with the Equal Pay Ordinance (EPO) codified in the San Diego Municipal Code (SDMC) at section 22.4801 through 22.4809, unless compliance is not required based on an exception listed in SDMC section 22.4804.

Contractor shall require all of its subcontractors to certify compliance with the EPO in their written subcontracts.

Contractor must post a notice informing its employees of their rights under the EPO in the workplace or job site.

By signing this Contract with the City of San Diego, Contractor acknowledges the EPO requirements and pledges ongoing compliance with the requirements of SDMC Division 48, section 22.4801 et seq., throughout the duration of this Contract.

AFFIDAVIT OF DISPOSAL

(To be submitted upon completion of Construction pursuant to the contracts Certificate of Completion)

WHEREAS, on the _____ DAY OF _____, 2_____ the undersigned entered into and executed a contract with the City of San Diego, a municipal corporation, for:

BLOCK 7G2 UUP

(Name of Project)

as particularly described in said contract and identified as Bid No. **K-18-1691-DBB-3**; SAP No. WBS/ IO **B-15085 / 21003598** ; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

NOW, THEREFORE, in consideration of the final payment by the City of San Diego to said Contractor under the terms of said contract, the undersigned Contractor, does hereby affirm that all surplus materials as described in said contract have been disposed of at the following location(s)

and that they have been disposed of according to all applicable laws and regulations.

Dated this _____ DAY OF _____, _____.

By: _____
Contractor

ATTEST:

State of _____ County of _____

On this _____ DAY OF _____, 2_____, before the undersigned, a Notary Public in and for said County and State, duly commissioned and sworn, personally appeared _____ known to me to be the _____ Contractor named in the foregoing Release, and whose name is subscribed thereto, and acknowledged to me that said Contractor executed the said Release.

Notary Public in and for said County and State

LIST OF SUBCONTRACTORS

***** PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY *** TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY *** SEE INSTRUCTIONS TO BIDDERS FOR FURTHER INFORMATION**

In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the California Public Contract Code (PCC), the Bidder is to list below the name, address and license number of each Subcontractor who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement, in an amount of or in excess of 0.5% of the Contractor's total Bid. Failure to comply with this requirement may result in the Bid being rejected as non-responsive. The Contractor is to list only one Subcontractor for each portion of the Work. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percentage of the Work to be performed with the Bidder's own forces. The Bidder is to also list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which the Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	DIR Registration Number	CONSTRUCTOR OR DESIGNER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____								
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____								

- ① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Subcontractor is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | | |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

***** PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY *** TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY *** SEE INSTRUCTIONS TO BIDDERS FOR FURTHER INFORMATION**

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	DIR Registration Number	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							

- ① As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE,SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | | |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

ELECTRONICALLY SUBMITTED FORMS

THE FOLLOWING FORMS MUST BE SUBMITTED IN PDF FORMAT WITH BID SUBMISSION

The following forms are to be completed by the bidder and submitted (uploaded) electronically with the bid in PlanetBids.

A. BID BOND – See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions

B. CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

Bids will not be accepted until ALL the above-named forms are submitted as part of the bid submittal

BID BOND

**See Instructions to Bidders, Bidder Guarantee of Good Faith
(Bid Security)**

KNOW ALL MEN BY THESE PRESENTS,

That SOUTHERN CONTRACTING COMPANY as Principal, and
TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA as Surety, are held and firmly bound unto The City of San Diego hereinafter called "OWNER," in the sum of **10% OF THE TOTAL BID AMOUNT** for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a Bid to said OWNER to perform the WORK required under the bidding schedule(s) of the OWNER's Contract Documents entitled
BLOCK 7G2 UUP, BID NO. K-18-1691-DBB-3


NOW THEREFORE, if said Principal is awarded a contract by said OWNER and, within the time and in the manner required in the "Notice Inviting Bids" enters into a written Agreement on the form of agreement bound with said Contract Documents, furnishes the required certificates of insurance, and furnishes the required Performance Bond and Payment Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect. In the event suit is brought upon this bond by said OWNER and OWNER prevails, said Surety shall pay all costs incurred by said OWNER in such suit, including a reasonable attorney's fee to be fixed by the court.

SIGNED AND SEALED, this 23RD day of APRIL, 2018

SOUTHERN CONTRACTING COMPANY (SEAL)
(Principal)

By: 
(Signature)
PHILIP E. WATERMAN, PRESIDENT

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA (SEAL)
(Surety)

By: 
(Signature)
MARK D. IATAROLA, ATTORNEY-IN-FACT

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

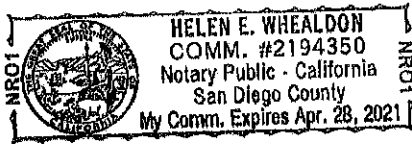
State of California)
County of SAN DIEGO)

On 4/23/2018 before me, HELEN E. WHEALDON, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer
personally appeared MARK D. IATAROLA
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Helen E Whealdon
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____
Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: MARK D. IATAROLA
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

Signer's Name: _____
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Mark D. Iatarola, of Escondido, California**, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this 3rd day of February, 2017.



State of Connecticut
City of Hartford ss.

By: 
Robert L. Raney, Senior Vice President

On this the 3rd day of February, 2017, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2021




Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is


FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 23RD day of APRIL, 2018




Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney-in-Fact and the details of the bond to which the power is attached.**

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of San Diego)

On 04/23/2018 before me, Lynn R. Murison-Eroles, Notary Public,
Date Here Insert Name and Title of the Officer
personally appeared Philip E. Waterman
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Lynn R. Murison-Eroles
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Bid Bond Document Date: 04/23/2018
Number of Pages: 1 Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: Philip E. Waterman
 Corporate Officer — Title(s): President
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

Signer's Name: _____
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.


CHECK ONE BOX ONLY.

- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.
- The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/REMEDIAL ACTION TAKEN

Contractor Name: Southern Contracting Company

Certified By Phillip E. Waterman Title President

Name

 Signature

Date 05/01/2018

USE ADDITIONAL FORMS AS NECESSARY

City of San Diego

CITY CONTACT: Juan E. Espindola - Contract Specialist, Email: JEEspindola@sandiego.gov

Phone No. (619) 533-4491

ADDENDUM A



FOR

BLOCK 7G2 UUP

BID NO.:	<u>K-18-1691-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-15085/21003598</u>
CLIENT DEPARTMENT:	<u>2116</u>
COUNCIL DISTRICT:	<u>9</u>
PROJECT TYPE:	<u>HI, IJ</u>

BID DUE DATE:

2:00 PM

May 1st, 2018

CITY OF SAN DIEGO

PUBLIC WORKS CONTRACTS

525 B STREET, SUITE 750, MS 908A

SAN DIEGO, CA 92101

ENGINEER OF WORK

The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Engineer:

Shawn Hillers
1) Registered Engineer

4/16/18
Date

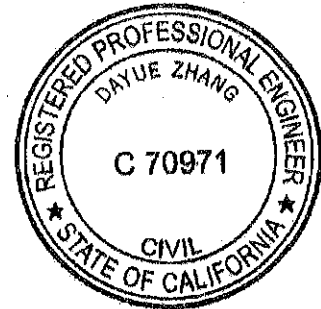
Seal:



Dayue Zhang
2) For City Engineer

4/16/18
Date

Seal:



A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

THE SUBMITTAL DATE FOR THIS PROJECT HAS BEEN **EXTENDED AS STATED ON THE COVER PAGE.**

B. BIDDER'S QUESTIONS

Q1. It is assumed all testing will be provided and paid for by the COSD.

A1. The City will cover the cost of testing and the trenching Contractor needs to schedule the testing with the City's Materials/Test Lab.

Q2. It is assumed that all permit fees will be paid for by the COSD or waived for this project.

A2. Permits involved with Traffic Control and electrical panel inspection are covered by the City.

Q3. Does the COSD have a dump site for the excess trench soil material from the project? If so, and if other than Miramar Landfill, please advise location and dump fees, if any.

A3. Excess trench soil material to be properly disposed at Miramar Landfill. Contractor to pay fee. Follow the City's Whitebook procedure in Section 7-22 when encountering contaminated and/or hazardous trench soil materials. The City will cover the extra disposal cost.

Q4. Does the COSD have a staging yard in the vicinity for this project?

A4. The Contractor needs to obtain and maintain a staging yard.

Q5. Please advise if Miramar Landfill will accept excess trench soil material from this site.

A5. Miramar Landfill Clean Fill Dirt Program accepts clean fill dirt (no petromat/concrete) with a fee paid by the Contractor. They also accept unhazardous materials. Check their website for more information: <https://www.sandiego.gov/environmental-services/miramar>.

- Q6. Any SDGE standby personnel required for the project will be provided and paid for by SDGE.
- A6. A SDG&E standby personnel will be assigned to this project and paid by the City through SDG&E invoice.
- Q7. Will COSD consider waiving dump fees at Miramar Landfill for this project?
- A7. The Contractor shall cover the dump fee at Miramar Landfill.
- Q8. Any existing pole bracing or support necessary due to digging in close proximity will be provided by SDGE or AT&T at no charge to the contractor.
- A8. The Contractor shall be responsible for protecting any existing facilities in place at Contractor's expense, or if directed by the Resident Engineer.
- Q9. SDGE plan shows faint symbols for steel equipment barriers at some transformers. SDGE "DPSS" instructions do not require steel equipment barriers. Please clarify.
- A9. Barrier posts are required when above ground facilities are less than 5 feet from traffic.
- Q10. Some streetlight instructions mention meters for streetlights. Plans indicate a direct connection to SDGE service points. Please clarify.
- A10. The City's streetlights are unmetered.
- Q11. It is assumed #4/7str copper wire is acceptable at the streetlight pole base for "ufer" ground per COSD drawing E-2.
- A11. Follow the streetlight designs. 2-#10 wires (hot leg and neutral) and 1-#10 ground wire from City handhole to streetlight. 1-#10 ground goes from 3/4" ground rod in City handhole to lug on streetlight pole. #4 ufer ground attached to lug on pole which goes under streetlight pole per COSD E-2.

Q12. Please confirm COSD SDG-107 Type 2 for asphalt street repair and SDG-108 for concrete street repair will be in place for this project.

A12. SDG-107 shall be followed for trench cap for AC pavement; concrete trench patch shall be performed for concrete streets and alleys. The City will follow later with a separate street restoration project once all undergrounding work is completed to resurface all impacted AC streets and replace all concrete panels.

Q13. Is SDGE Location 523 SCADA pole provided by SDGE or Contractor?

A13. Location 522 SCADA pole shall be furnished and installed by the Contractor.

Q14. Please define SDGE "DPSS" call outs "TIM TRT" and "ACC TRT".

A14. These are terms for SDG&E internal accounting purpose, not affecting this contract.

Q15. Please confirm if the Miramar Landfill will accept all Dirt spoils from the Block 7G2 UUP Project. The cost to dispose of clay materials and contaminated materials would be a significant cost to the City of San Diego. How will the City of San Diego compensate the Contractor if contaminated soil or materials are encountered during excavations?

A15. Miramar Landfill Clean Fill Dirt Program accepts clean fill dirt (no petromat/concrete) with a fee paid by the Contractor. They also accept unhazardous materials. Please check their website for detail information:

<https://www.sandiego.gov/environmental-services/miramar>. Follow the City's Whitebook procedure in Section 7-22 when encountering contaminated and/or hazardous trench soil materials which the City will cover the extra disposal cost.

Q16. Section 5.4.1 states that locally high gravel and cobble content and cementation within the very old paraulic deposits may pose difficult excavation conditions even for heavy duty construction equipment. This would constitute hard conditions for both work in the right away and private property. How will the City compensate the Contractor for hard dig conditions?, and how will hard dig conditions be defined?

- A16. Hard dig conditions shall not be defined and there shall be no additional compensation. Bid on the trenching Work based on the geotechnical report.
- Q17. Please confirm that this Construction Order is for the Contractor reference only and that the work is to be by the other crews and no civil work is required by the Contractor. If there is work for the Contractor please provide the Design By Location sheets for Construction Order No. 2434902.
- A17. Construction Order No. 2434902 will be completed by SDG&E.
- Q18. Please provide a better description of what is considered SDG&E first demarcation point.
- A18. SDG&E demarcation point is where SDG&E terminates their service cable, such as at a pull can, weather head or the meter panel when direct feed is feasible
- Q19. Please confirm that the Contractor will supply the substructures and pads for AT&T and Cox Cable.
- A19. The Contractor shall supply the substructures and pads for SDG&E facilities only.
- Q20. Will the City of San Diego provide Encroachment and Traffic control permit to Contractor at no cost?
- A20. There is no easement issue on this Project and the Contractor will perform work on private properties under Permit to Enter (PTE) provided by the City. Traffic Control permit will be issued to the Contractor at no cost.
- Q21. Will the City of San Diego provide any required comaction or soil testing to Contractor at no cost?
- A21. The City will cover the cost of testing and the trenching Contractor needs to schedule the testing with the City's Materials/Test Lab.

Q22. It was mentioned in the prebid meeting that there is a list of SDG&E approved vendors, can you provide that list?

A22. Ask SDG&E directly for their material vendor information.

Q23. What Wage Decision Number are we to use for this Project?

Is Testing the responsibility of the Bidder or will the City be performing the Testing?

Will the City be accepting all the Soil Export for this project through the Miramar landfill Clean Fill Dirt Program?

A23. Compliance with Prevailing Wage Requirements can be found in Attachment D, Section 1.1.

Copies of the prevailing wage rate of per diem wages also may be found at <http://www.dir.ca.gov/OPRL/DPrewageDetermination.htm>

The City's Materials/Test Lab will perform the testing and the Contractor is required to schedule the testing.

Miramar Landfill Clean Fill Dirt Program accepts clean fill dirt (no petro mat/concrete) with a fee paid by the Contractor. They also accept un-hazardous materials. Check their website for detail information: <https://www.sandiego.gov/environmental-services/miramar>. Follow the City's Whitebook procedure in Section 7-22 when encountering contaminated and/or hazardous trench soil materials and the City will cover the extra disposal cost.

Q24. How will the City handle design changes in the field made by the utility? What will the process be for encountering unforeseen digging conditions? (rock, water, contamination, etc.)

A24. The City's Resident Engineer shall make the decision on any construction scope change and the Contractor will be compensated through a Field Order/Change Order upon approval by the Resident Engineer.

Bid on the trenching Work based on the geotechnical report, there shall be no additional compensation. However, unforeseen soil conditions

not shown in geotechnical report shall be discussed with the Resident Engineer, and shall be handled as a change order upon approval of the Resident Engineer.

C. SUPPLEMENTARY SPECIAL PROVISIONS

1. To Attachment E, Technical Specifications, page 51, Section 01010 – SUMMARY OF WORK, PART 1 – GENERAL, 1.1 General, Item B, **DELETE** in its entirety and **SUBSTITUTE** with the following:
 - B. The CONTRACTOR shall provide and install all SDG&E related materials, (conduits, pads, pull boxes, hand holes etc.), as indicated on the plans. Communication Companies will provide their own materials (conduits, pads, pull boxes, hand holes etc.) as indicated on the plans for the CONTRACTOR to install. Cable and EMT (Excess Metallic Tubing) shall only be provided and installed at home owners' properties from the meter to SDG&E's first demarcation point. SDG&E's first demarcation point can be defined as the point where SDG&E terminates their service wire via pull can, meyers adapter, loop and bond, extended loop and bond, or direct connect. At all locations buried conduits shall be installed by the CONTRACTOR with pull ropes ONLY (with labels as appropriate) and cabling will be installed by the respective utility owners.

James Nagelvoort, Director
Public Works Department

Dated: *April 19, 2018*
San Diego, California
JN/RWB/Lad

City of San Diego

CITY CONTACT: Juan E. Espindola, Contract Specialist, Email: JEEspindola@sandiego.gov
Phone No. (619) 533-4491

ADDENDUM B



FOR

BLOCK 7G2 UUP

BID NO.:	<u>K-18-1691-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-15085, 21003598</u>
CLIENT DEPARTMENT:	<u>2116</u>
COUNCIL DISTRICT:	<u>9</u>
PROJECT TYPE:	<u>HI, IJ</u>

BID DUE DATE:

2:00 PM

May 1, 2018

**CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
525 B STREET, SUITE 750, MS 908A
SAN DIEGO, CA 92101**

A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

B. SUPPLEMENTARY SPECIAL PROVISIONS

1. To Section 7, Responsibilities of the Contractor, Subsection 7-13.4 Contractor Standards and Pledge of Compliance, **ADD** the following:

7-13.4 Contractor Standards and Pledge of Compliance. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The Contract is subject to City's Municipal Code §22.3004 as amended 10/29/13 by ordinance O-20316.
2. You shall complete a Pledge of Compliance attesting under penalty of perjury that you complied with the requirements of this section.
3. You shall ensure that all Subcontractors complete a Pledge of Compliance attesting under penalty of perjury that they complied with the requirements of this section.
4. You shall require in each subcontract that the Subcontractor shall abide by the provisions of the City's Municipal Code §22.3004. A sample provision is as follows:

"Compliance with San Diego Municipal Code §22.3004: The Subcontractor acknowledges that it is familiar with the requirements of San Diego Municipal Code §22.3004 ("Contractor Standards"), and agrees to comply with requirements of that section. The Subcontractor further agrees to complete the Pledge of Compliance, incorporated herein by reference."

C. CERTIFICATIONS AND FORMS

1. To the Electronically Submitted Forms, page 894 **DELETE** in its entirety and **SUBSTITUTE** with page 4 of this Addendum.
2. To the Electronically Submitted Forms, **ADD** Mandatory Disclosure of Business Interests form, page 5 of this Addendum.

James Nagelvoort, Director
Public Works Department

Dated: *April 26, 2018*
San Diego, California

JN/RWB/Lad

ELECTRONICALLY SUBMITTED FORMS

THE FOLLOWING FORMS MUST BE SUBMITTED IN PDF FORMAT WITH BID SUBMISSION

The following forms are to be completed by the bidder and submitted (uploaded) electronically with the bid in PlanetBids.

- A. BID BOND – See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions**
- B. CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS**
- C. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**

Bids will not be accepted until ALL the above-named forms are submitted as part of the bid submittal

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Legal Name	DBA		
Street Address	City	State	Zip
Contact Person, Title	Phone	Fax	

Provide the name, identity, and precise nature of the interest* of all persons who are directly or indirectly involved** in this proposed transaction (SDMC § 21.0103).

* The precise nature of the interest includes:

- the percentage ownership interest in a party to the transaction,
- the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction,
- the value of any financial interest in the transaction,
- any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and
- any philanthropic, scientific, artistic, or property interest in the transaction.

** Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or
- directing or supervising the actions of persons engaged in the above activity.

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

*** Use Additional Pages if Necessary ***

Under penalty of perjury under the laws of the State of California, I certify that I am responsible for the completeness and accuracy of the responses contained herein, and that all information provided is true, full and complete to the best of my knowledge and belief. I agree to provide written notice to the Mayor or Designee within five (5) business days if, at any time, I learn that any portion of this Mandatory Disclosure of Business Interests Form requires an updated response. Failure to timely provide the Mayor or Designee with written notice is grounds for Contract termination.

Print Name, Title

Signature

Date

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive. In the case of an informal solicitation, the contract will not be awarded unless a signed and completed Mandatory Disclosure of Business Interests Form is submitted.

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Southern Contracting Company		N/A	
Legal Name			DBA
559 N. Twin Oaks Valley Rd., San Marcos, CA 92069			
Street Address	City	State	Zip
Philip E. Waterman	760-744-0760	760-744-9691	
Contact Person, Title	Phone	Fax	

Provide the name, identity, and precise nature of the interest* of all persons who are directly or indirectly involved** in this proposed transaction (SDMC § 21.0103).

- * The precise nature of the interest includes:
- the percentage ownership interest in a party to the transaction,
 - the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction,
 - the value of any financial interest in the transaction,
 - any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and
 - any philanthropic, scientific, artistic, or property interest in the transaction.

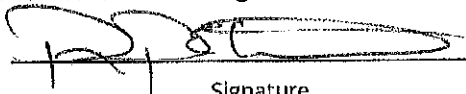
- ** Directly or indirectly involved means pursuing the transaction by:
- communicating or negotiating with City officers or employees,
 - submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or
 - directing or supervising the actions of persons engaged in the above activity.

Richard W. McBride	COB
Name	Title/Position
Escondido, CA	
City and State of Residence	Employer (if different than Bidder/Proposer)
10%	
Interest in the transaction	

Darlene Y. McBride	Secretary/Treasurer
Name	Title/Position
Escondido, CA	
City and State of Residence	Employer (if different than Bidder/Proposer)
0%	
Interest in the transaction	

*** Use Additional Pages if Necessary ***

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Philip E. Waterman, President		05/01/2018
Print Name, Title	Signature	Date

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Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Southern Contracting Company		N/A	
Legal Name	559 N. Twin Oaks Valley Rd., San Marcos, CA 92069		DBA
Street Address	City	State	Zip
Philip E. Waterman	760-744-0760	760-744-9691	
Contact Person, Title	Phone	Fax	

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** Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or
- directing or supervising the actions of persons engaged in the above activity.

Philip E. Waterman	President
Name	Title/Position
Temecula, CA	
City and State of Residence	Employer (if different than Bidder/Proposer)
0%	
Interest in the transaction	

Timothy R. McBride	CEO
Name	Title/Position
Escondido, CA	
City and State of Residence	Employer (if different than Bidder/Proposer)
90%	
Interest in the transaction	

*** Use Additional Pages if Necessary ***

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Philip E. Waterman, President		05/01/2018
Print Name, Title	Signature	Date

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive. In the case of an informal solicitation, the contract will not be awarded unless a signed and completed Mandatory Disclosure of Business Interests Form is submitted.

Bid Results

Bidder Details

Vendor Name Southern Contracting Company
Address 559 N. Twin Oaks Valley Road
 San Marcos, CA 92069
 United States

Respondee Philip E. Waterman
Respondee Title President
Phone 760-744-0760 Ext. 616
Email pwaterman@southerncontracting.com
Vendor Type Local
License # 222252
CADIR

Bid Detail

Bid Format Electronic
Submitted May 1, 2018 1:52:51 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 140468
Ranking 0

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
Contractors Certificate of Pending Actions	Contractors Certificate of Pending Actions.pdf	CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS
Mandatory Disclosure of Business Interests Form	Mandatory Disclosure of Business Interests Form.pdf	MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM
Bid Bond Block 7G2 UUP	Bid Bond Block 7G2 UUP.pdf	Bid Bond

Line Items

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
Main Bid						
1	Bonds (Payment and Performance)					
	524126	LS	1	\$60,869.00	\$60,869.00	
2	Adjusting Electrical/Utility Box To Grade					
	237310	EA	1	\$845.00	\$845.00	
3	Adjust Survey Monument to Grade					
	237310	EA	15	\$83.00	\$1,245.00	
4	Curb Ramp Type "A" w/ Stainless Steel Detectable Warning Tile					
	237310	EA	6	\$3,430.00	\$20,580.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
5	Curb Ramp Type "B" w/ Stainless Steel Detectable Warning Tile 237310	EA	2	\$3,430.00	\$6,860.00	
6	Curb Ramp Type "C1" w/ Stainless Steel Detectable Warning Tile 237310	EA	2	\$3,430.00	\$6,860.00	
7	Curb Ramp Type "C1" Modified w/ Composite Detectable Warning Tile 237310	EA	1	\$3,430.00	\$3,430.00	
8	Curb Ramp Type "C2" w/ Stainless Steel Detectable Warning Tile 237310	EA	4	\$3,430.00	\$13,720.00	
9	Curb Ramp Type "D" w/ Stainless Steel Detectable Warning Tile 237310	EA	10	\$3,430.00	\$34,300.00	
10	Curb Ramp Case A w/ Stainless Steel Detectable Warning Tile 237310	EA	5	\$3,430.00	\$17,150.00	
11	Contractor Date Stamps and Impressions 237310	EA	8	\$300.00	\$2,400.00	
12	Trench Shoring 237110	LS	1	\$58,000.00	\$58,000.00	
13	Adjust Water Meter 238210	EA	2	\$300.00	\$600.00	
14	Traffic Control 237310	LS	1	\$60,000.00	\$60,000.00	
15	Type Y-MID LED Luminaire with Adaptive Control 238210	EA	26	\$880.00	\$22,880.00	
16	Type Y-INT LED Luminaire with Adaptive Control 238210	EA	18	\$880.00	\$15,840.00	
17	Type X LED Luminaire with Adaptive Control 238210	EA	4	\$880.00	\$3,520.00	
18	Direct Burial Concrete Street Light Pole with Mast Arm 238210	EA	48	\$4,344.00	\$208,512.00	
19	2-Inch PVC Conduit Per City Standards w/#10 Conductor 238210	LF	3936	\$23.13	\$91,039.68	
20	30 AMP Fuses, Cartridges, and Ground Rod 238210	EA	43	\$140.00	\$6,020.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
21	10 AMP Fuses and Cartridges at Street Light					
	238210	EA	48	\$50.00	\$2,400.00	
22	No. 3 1/2 Pull Box					
	238210	EA	94	\$150.00	\$14,100.00	
23	R/W Joint Trench Conduits Installation*					
	237110	LF	13000	\$279.00	\$3,627,000.00	
24	R/W Communication Only Conduits Installation					
	237110	LF	5500	\$185.00	\$1,017,500.00	
25	SDGE Substructure and Installation*					
	238210	EA	94	\$800.00	\$75,200.00	
26	SDGE Equipment Pad and Installation*					
	238211	EA	32	\$255.00	\$8,160.00	
27	Communication Substructure Installation					
	238210	EA	153	\$225.00	\$34,425.00	
28	Private Property Conversion Work					
	238210	EA	255	\$5,047.00	\$1,286,985.00	
29	Joint Meet and Cutover					
	238210	EA	255	\$313.00	\$79,815.00	
30	Exclusive Community Liaison Services					
	541820	LS	1	\$525,000.00	\$525,000.00	
31	SWPPP Development					
	541330	LS	1	\$15,000.00	\$15,000.00	
32	SWPPP Implementation					
	237990	LS	1	\$30,000.00	\$30,000.00	
33	SWPPP Permit Fee (EOC Type I)					
	541330	LS	1	\$1,000.00	\$1,000.00	
34	Video Recording of Existing Conditions					
	238990	LS	1	\$2,040.00	\$2,040.00	
35	Remove and Relocate Existing Sign and Post					
	238990	EA	11	\$150.00	\$1,650.00	
36	Mobilization I - Trench and Conduit					
	238210	LS	1	\$563,040.00	\$563,040.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
37	Mobilization II - CIP and Cutovers					
	238210	LS	1	\$31,590.00	\$31,590.00	
38	Field Orders (EOC Type II)					
		AL	1	\$227,160.00	\$227,160.00	
Subtotal					\$8,176,735.68	
Total					\$8,176,735.68	

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
CODE 3 Media 663 S Rancho Santa Fe Suite 177 San Marcos, CA 92078 United States	BID ITEM 34: Consultant; SLBE - 17MM1441	Consultant	1000055028	\$2,040.00	ELBE
Robcar Corporation P O BOX 117 El Cajon, CA 92022 United States	TRAFFIC CONTROL PLANS: Consultant; SLBE -	788289	1000004051	\$9,300.00	
AXL Group, Inc. 424 Puebla St. Encinitas, CA 92024 United States	BID ITEM 30: Consultant; SLBE	Consultant	00000	\$525,000.00	CADIR,CAU,DVBE,M ALE,SLBE
Alvarez And Shaw, Inc 13080 Hwy 8 Business el cajon, CA 92021 United States	CONSTRUCTOR: Concrete flat work; ELBE - 17AS14	986171	1000052129	\$306,072.00	LAT,MALE,ELBE,DB E,MBE,CADIR,SDB



RESOLUTION NUMBER R- 311964

DATE OF FINAL PASSAGE SEP 18 2018

A RESOLUTION OF THE COUNCIL OF THE CITY OF SAN DIEGO AUTHORIZING THE MAYOR TO AWARD AND EXECUTE A CONSTRUCTION CONTRACT WITH SOUTHERN CONTRACTING COMPANY FOR THE UTILITIES UNDERGROUNDING PROGRAM PILOT PROJECT BLOCK 7G2 IN THE ROLANDO COMMUNITY.

WHEREAS, this action will authorize the Mayor to award and execute a construction contract to Southern Contracting Company for construction services for Contract #K-18-1691-DBB-3 for the Utilities Undergrounding Program (UUP) pilot project (Project) Block 7G2 in the Rolando Community, for an amount not to exceed \$8,176,735.68; and

WHEREAS, the Council of the City of San Diego (Council) adopted Resolution R-309079 (Jul. 7, 2014), for Block 7G2 District Creation; and

WHEREAS, the UUP, which is administered by the Transportation & Storm Water Department (TSWD), benefits residents by facilitating conversion of overhead utility lines to safer and more reliable underground services, in addition to improving aesthetics of the community; and

WHEREAS, an existing Memorandum of Understanding (MOU) between San Diego Gas and Electric (SDG&E) and the City allows the City to use funds from the Underground Surcharge Fund to compensate SDG&E for reasonable costs incurred during design and construction of undergrounding projects; and

WHEREAS, the MOU also provides the City with the option of performing this work itself after giving adequate notice and, on September 1, 2015, the City notified SDG&E that it would be administering the design and construction for the following three pilot projects:

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes both manual and automated processes. The goal is to ensure that the data is as accurate and reliable as possible.

The third section provides a comprehensive overview of the results obtained from the analysis. It highlights key trends and patterns that have emerged from the data. These findings are crucial for understanding the underlying dynamics of the system being studied.

Finally, the document concludes with a series of recommendations based on the findings. These suggestions are intended to help improve the efficiency and accuracy of the data collection and analysis process in the future.

- Residential Block 7G2
- Residential Block 8R¹
- Residential Block 4Y

WHEREAS, the Public Works Department (PWD) has agreed to deliver the design and construction of these as “pilot projects” with the possibility of taking on additional future projects if this pilot phase is successful; and

WHEREAS, this project includes undergrounding of approximately 2.5 miles of overhead lines and converting 268 properties to underground service; and

WHEREAS, Contract #K-18-1691-DBB-3 for the construction of Block 7G2 went through a competitive bid process advertised on March 22, 2018 with the bid opening date on May 1, 2018, and Southern Contracting Company was selected as the most qualified; NOW, THEREFORE,

BE IT RESOLVED, by the Council of the City of San Diego, as follows:

1. That the Mayor, or his designee, is authorized to award and execute the construction contract #K-18-1691-DBB-3 with Southern Contracting Company for the purpose of providing construction services in an amount not to exceed \$8,176,735.68, contingent upon the Chief Financial Officer furnishing one or more certificates certifying that funds necessary for expenditure are, or will be, on deposit with the City Treasury, under the terms and conditions set forth in the Agreement, on file in the Office of the City Clerk as Document No. RR- **311964**

2. That a resolution authorizing the Chief Financial Officer to expend an amount not to exceed \$8,176,735.68, of which \$7,679,523.14 is from Block 7G2, Internal Order 21003598, Fund 200217, Underground Surcharge Fund; \$497,212.54 is from Capital Improvement Program (CIP) A-ID.00001, Utilities Undergrounding Program, CIP WBS B-15085, Block 7G2 UUP-CIP, Fund 200218, Underground Surcharge - CIP, for the purpose of project construction with

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent data collection procedures and the use of advanced analytical techniques to derive meaningful insights from the data.

3. The third part of the document focuses on the implementation of data-driven decision-making processes. It discusses how the collected data is used to identify trends, assess risks, and make strategic decisions that align with the organization's goals and objectives.

4. The fourth part of the document addresses the challenges and limitations of data analysis. It acknowledges that while data provides valuable insights, it is not infallible and must be interpreted with care, taking into account potential biases and uncertainties.

5. The fifth part of the document discusses the importance of data security and privacy. It emphasizes the need for robust security measures to protect sensitive information and ensure compliance with relevant regulations and standards.

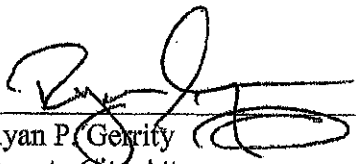
6. The sixth part of the document explores the future of data analysis and its potential applications. It discusses emerging technologies and trends that are expected to shape the way data is collected, analyzed, and used in the coming years.

7. The seventh part of the document provides a summary of the key findings and conclusions. It reiterates the importance of a data-driven approach and offers recommendations for how the organization can continue to improve its data management and analysis practices.

8. The final part of the document includes a list of references and a glossary of terms. This section provides additional resources for further reading and clarifies the meaning of key terms used throughout the document.

Southern Contracting Company, contingent upon the Chief Financial Officer furnishing one or more certificates certifying that funds necessary for expenditure are, or will be, on deposit with the City Treasury.

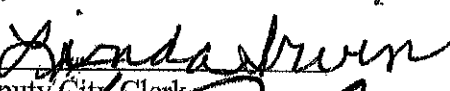
APPROVED: MARA W. ELLIOTT, City Attorney

By 
Ryan P. Gentry
Deputy City Attorney

RPG:cw
08/23/18
Or.Dept: Public Works Department
CC No.: 3000011308
Doc. No.: 1806210

I hereby certify that the foregoing Resolution was passed by the Council of the City of San Diego, at this meeting of SEP 11 2018.

ELIZABETH S. MALAND
City Clerk

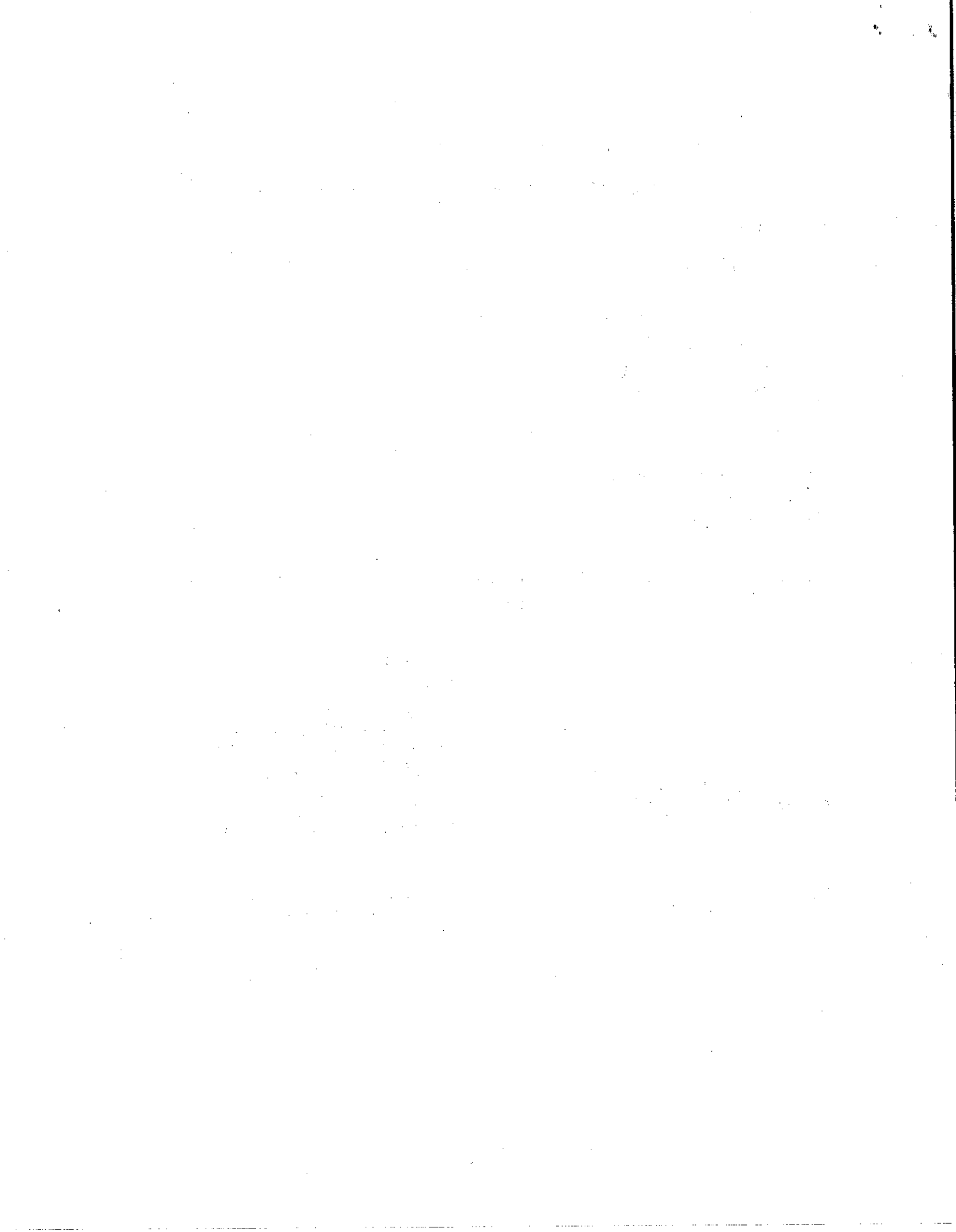
By 
Deputy City Clerk

Approved: 9/18/18
(date)


KEVIN L. FAULCONER, Mayor

Vetoed: _____
(date)

KEVIN L. FAULCONER, Mayor



Passed by the Council of The City of San Diego on SEP 11 2018, by the following vote:

Councilmembers	Yeas	Nays	Not Present	Recused
Barbara Bry	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lorie Zapf	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chris Ward	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Myrtle Cole	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mark Kersey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chris Cate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scott Sherman	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
David Alvarez	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Georgette Gomez	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Date of final passage SEP 18 2018

(Please note: When a resolution is approved by the Mayor, the date of final passage is the date the approved resolution was returned to the Office of the City Clerk.)

AUTHENTICATED BY:

KEVIN L. FAULCONER
Mayor of The City of San Diego, California.

ELIZABETH S. MALAND
City Clerk of The City of San Diego, California.

(Seal)

By Linda Irwin, Deputy

Office of the City Clerk, San Diego, California

Resolution Number R- **311964**

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In addition, the document highlights the need for regular audits. By conducting periodic reviews, any discrepancies can be identified and corrected promptly. This proactive approach helps in maintaining the integrity of the financial system.

Furthermore, it is noted that clear communication is essential. All stakeholders should be kept informed of the current status and any changes that may affect their interests. This fosters trust and cooperation throughout the organization.

The second section focuses on the implementation of internal controls. These measures are designed to prevent errors and fraud, ensuring that the organization's assets are protected. Key elements include segregation of duties and the use of standardized procedures.

It is also stressed that training is a critical component. Employees must be well-versed in the established protocols and understand the consequences of non-compliance. Regular training sessions and updates are necessary to keep the workforce current.

Finally, the document concludes by stating that a strong control environment is the foundation for successful financial management. It encourages a culture of accountability and continuous improvement.

The third part of the document addresses the role of technology in modern accounting. It discusses how software solutions can streamline processes, reduce manual errors, and provide real-time data access. This technological advancement is crucial for staying competitive in today's market.

However, it also warns against over-reliance on technology. Human oversight remains vital, especially when dealing with complex or unusual transactions. A balanced approach that combines technology with human expertise is the most effective.

In conclusion, the document provides a comprehensive overview of the key aspects of financial management. It serves as a guide for organizations looking to optimize their operations and ensure long-term success.

Passed by the Council of The City of San Diego on September 11, 2018, by the following vote:

YEAS: **BRY, ZAPF, WARD, COLE, KERSEY, CATE, SHERMAN
ALVAREZ, GÓMEZ.**

NAYS: **NONE.**

NOT PRESENT: **NONE.**

RECUSED: **NONE.**

AUTHENTICATED BY:
KEVIN L. FAULCONER
Mayor of The City of San Diego, California
ELIZABETH S. MALAND
City Clerk of The City of San Diego, California

(Seal)

By: *Linda Brown* Deputy

I HEREBY CERTIFY that the above and foregoing is a full, true and correct copy of
RESOLUTION NO. **R-311964** , approved on **September 11, 2018** . The date of final
passage is **September 18, 2018.**

ELIZABETH S. MALAND
City Clerk of the City of San Diego, California

(Seal)

By: *Linda Brown* Deputy

