

City of San Diego

CONTRACTOR'S NAME: Burtech Pipeline Rehabilitation AK-1
ADDRESS: 102 Second Street, Encinitas, CA 92024
TELEPHONE NO.: 760-634-2822 **FAX NO.:** 760-634-2415
CITY CONTACT: Angelica Gil, Contract Specialist, Email: AngelicaG@sanidiego.gov
Phone No. (619) 533-3622, Fax No. (619) 533-3633
DTittle / RWBustamante/ mlw

BIDDING DOCUMENTS



FOR

PIPELINE REHABILITATION AK-1

BID NO.: K-18-1593-DBB-3
SAP NO. (WBS/IO/CC): B-16109
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 4
PROJECT TYPE: JA

THIS CONTRACT WILL BE SUBJECT TO THE FOLLOWING:

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

BID DUE DATE:

2:00 PM
OCTOBER 25, 2017
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
1010 SECOND AVENUE, 14th FLOOR, MS 614C
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:

Nabil Samih Batta 9/18/2017 Seal:
For City Engineer Date



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NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **Pipeline Rehabilitation AK-1**. 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 **\$2,625,000**.
4. **BID DUE DATE AND TIME ARE: OCTOBER 25, 2017 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 are required for this contract: **A or C34**
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	6.8%
2. ELBE participation	8.5%
3. Total mandatory participation	15.3%
 - 7.2. The Bid may be declared non-responsive if the Bidder fails to meet the following requirements:
 - 7.2.1. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; **OR**
 - 7.2.2. 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 encouraged 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 Division at (619) 533-3450 at least 5 Working Days prior to the meeting to ensure availability. The Pre-Bid meeting is scheduled as follows:

Date: October 5, 2017
Time: 10:00 AM
Location: 1010 Second Avenue, Suite 1400, 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.

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 a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening. The City will then award the Contract within approximately 14 days of 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 the City Attorney's Office.
- 9.4.** The low Bid will be determined by 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 Public Works Department is 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
1010 Second Avenue, 14th Floor
San Diego, California, 92101
Attention: Angelica Gil

OR:

AngelicaG@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. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or dstucky@sandiego.gov.
- 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, EOCB 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 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)** 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:

Burtech Pipeline Incorporated, a corporation, as principal, and
NORTH AMERICAN SPECIALTY INSURANCE COMPANY, 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
Two Million Five Hundred Eighty One Thousand Dollars and Zero Cents. (\$2,581,000.00) for the
faithful performance of the annexed contract, and in the sum of Two Million Five Hundred Eighty
One Thousand Dollars and Zero Cents. (\$2,581,000.00) 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 DECEMBER 6, 2017

Approved as to Form

BURTECH PIPELINE, INCORPORATED

Principal

By 

DOMINIC J. BURTECH, JR., PRESIDENT

Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney

By 

Deputy City Attorney

NORTH AMERICAN
SPECIALTY INSURANCE COMPANY

Surety

By 

MARK D. IATAROLA, Attorney-in-fact

Approved:

By 

Stephen Samara

Principal Contract Specialist
Public Works Department

6 HUTTON CENTRE DRIVE, SUITE 850

Local Address of Surety

SANTA ANA, CA 92707

Local Address (City, State) of Surety

714/550-4141

Local Telephone No. of Surety

Premium \$ \$18,512.00

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

Bond No. 2265217

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

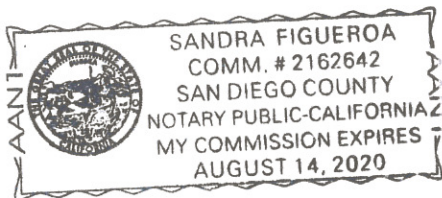
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of SAN DIEGO)
On 12/6/2017 before me, SANDRA FIGUEROA, 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 *Sandra Figueroa*
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: _____

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

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 }

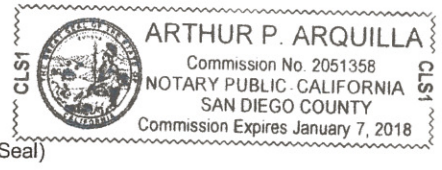
On 12/7/17 before me, Arthur P. Arquilla, Notary Public
(Here insert name and title of the officer)

personally appeared Dominic Burtch,
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]
Notary Public Signature



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages _____ Document Date _____

CAPACITY CLAIMED BY THE SIGNER

Individual (s)

Corporate Officer

_____ (Title)

Partner(s)

Attorney-in-Fact

Trustee(s)

Other _____

INSTRUCTIONS FOR COMPLETING THIS FORM

- This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*
- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
 - Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
 - The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
 - Print the name(s) of document signer(s) who personally appear at the time of notarization.
 - Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/they, - is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
 - The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
 - Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
 - Securely attach this document to the signed document with a staple.

NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Manchester, New Hampshire, and Washington International Insurance Company, a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Schaumburg, Illinois, each does hereby make, constitute and appoint:

JOHN G. MALONEY, HELEN MALONEY, SANDRA FIGUEROA,

and MARK D. IATAROLA

JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of: FIFTY MILLION (\$50,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on the 9th of May, 2012:

RESOLVED, that any two of the Presidents, any Managing Director, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached.



By [Signature] Steven P. Anderson, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company



By [Signature] Michael A. Ito, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company

IN WITNESS WHEREOF, North American Specialty Insurance Company and Washington International Insurance Company have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 17th day of September, 2015.

North American Specialty Insurance Company
Washington International Insurance Company

State of Illinois
County of Cook ss:

On this 17th day of September, 2015, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Michael A. Ito, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



[Signature] M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Assistant Secretary of North American Specialty Insurance Company and Washington International Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company and Washington International Insurance Company, which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 6TH day of DECEMBER, 20 17.

[Signature] Jeffrey Goldberg, Vice President & Assistant Secretary of Washington International Insurance Company & North American Specialty Insurance Company

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

- 1. SCOPE OF WORK:** The project proposes to rehabilitate approximately 29,255 linear-feet (LF) of existing 8-Inch and 10-Inch sewer main and replace/point repair approximately 2,030 linear-feet (LF) of existing sewer main via trenching within public right-of-way and existing City utility easement. The project also includes the replacement (in place) and point repair of existing manholes as well as the construction of new manholes within the public right-of-way and a new manhole within an existing sewer easement located within private property. The project will impact the following streets: Paradise Valley Road, South Woodman Street, Doriana Street, Windward Street,, Brookhaven Road, Shady Oak Road, Kingswood Street, Fowler Drive, Doti Point Drive, Jaime Avenue, Leyte Point Drive, Quebec Court, Aegean Way, Aegean Place, and Ramfos Lane.

1.1 The Work shall be performed in accordance with:

 - 1.1.1** The Notice Inviting Bids and Appendices, inclusive.
- 2. ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$2,625,000**.
- 3. LOCATION OF WORK: The location of the Work is as follows:**

See **Appendix E** – Location Map.
- 4. CONTRACT TIME:** The Contract Time for completion of the Work, shall be **454 Working Days**.

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

11. PRE-AWARD

- 11.1. Within 10 Working Days after the Bid Opening date, the Apparent Low Bidder must** contact the Project Manager to discuss fund availability for each phase and shall also submit the following:
 - 11.1.1.** Construction Cost Loaded Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 9-3, "PAYMENT."
- 11.2.** Your failure to perform any of the following may result cancelling your award of the Contract:
 - 11.2.1.** Meeting with the City's Project Manager to discuss the Phased Funding Schedule.
 - 11.2.2.** Agreeing to a Phased Funding Schedule within 22 Working Days after meeting with the City's Project Manager.

12. POST-AWARD

- 12.1.** Do not start any construction activities for the next phase until the NTP has been issued by the Engineer. The City will issue separate Notice to Proceed (NTP) documents for each phase.
- 12.2.** If requested, the Engineer may issue the NTP for the next phase before the end of the current approved phase.

PHASED FUNDING SCHEDULE AGREEMENT

The particulars left blank in this sample such as the total number of phases, and the amounts assigned to each phase will be completed with funding specific information from the Pre-Award Schedule and subsequent Schedules submitted to and approved by the City.

BID NUMBER: K-18-1593-DBB-3-A

CONTRACT TITLE OR TASK TITLE: Pipeline Rehabilitation AK-1

CONTRACTOR: Burtech Pipeline Inc.

Funding Phase	Phase Description	Phase <u>Start</u>	Phase <u>Finish</u>	Not-to-Exceed Amount
1	Work to be completed in Phase 1 shall include, Bonds, Mobilization, Video Taping of Conditions, Rehabilitation of Sewer Mains.	NTP	07/31/18	\$ 2,270,743.74
2	Work to be completed in Phase 2 shall include the remaining of the construction activities associated with the contract and specifications.	08/01/18	Project Completion	\$ 310,256.26
Contract Total				\$ 2,581,000.00

Notes:

- (1) WHITEBOOK section 9-3.6, "PHASED FUNDING COMPENSATION" applies.
- (2) The total of all funding phases shall be equal to the TOTAL BID PRICE as shown on BID SCHEDULE 1 - PRICES.
- (3) This PHASED FUNDING SCHEDULE AGREEMENT will be incorporated into the CONTRACT and shall only be revised by a written modification to the CONTRACT.

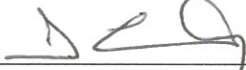
CITY OF SAN DIEGO

CONTRACTOR

PRINT NAME: Steve Lindsay

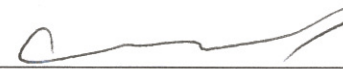
PRINT NAME: Burtech Pipeline

Construction Manager

Signature: 

Title: president

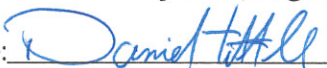
Date: 12/18/17

Signature: 

PRINT NAME: Daniel Tittle

Date: 12-14-17

Project Manager

Signature: 

Date: 12-14-17

ATTACHMENT C
INTENTIONALLY LEFT BLANK

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.

- 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.** For contracts entered into on or after April 1, 2015, Contractor and their subcontractors shall 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 design professionals 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. As of March 1, 2015, no contractor or subcontractor may be listed on a bid or proposal for a public works project unless registered with the DIR pursuant to Labor Code section 1725.5. As of April 1, 2015, a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, or enter into any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. 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 to the City upon request.

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.

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:
 1. 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 8:30 AM to 3:30 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.

- 2-14.3 Coordination.** To the "WHITEBOOK", ADD the following:

2. Other adjacent City projects are scheduled for construction for the same time period in the vicinity of April 2018-Dec. 2019. See **Appendix F** for the approximate locations. Coordinate the Work with the adjacent projects as listed below:
 - a) AC Water Main Replacement Master Program 1 & 2, Project Manager, Sumer Hasenin (Ph. 619-533-4102)
 - b) Residential Project Block 4AA, Project Manager, Ali Alaeipour (Ph. 619-533-5141)
 - c) Pipeline Rehabilitation AJ-1, Project Manager, Casey Crown (Ph. 619-533-5485)

- d) Paradise Valley Road UUD, Project Manager, Jie Xiao (Ph. 619-533-5496)
- e) Paradise Valley 20SD Underground Conversion, Contact Keenon Holmes (Ph. 858-654-8602)
- f) Slurry Seal Group 1703, Project Manager, Katherine Wong (Ph. 619-527-8035)
- g) Paradise Valley Road (Transmission), Project Manager, James Bajet (Ph. 619-533-3046)
- h) Residential Project Block 4Y1, Project Manager, James Bajet (Ph. 619-533-3046)
- i) Residential Project Block 4Z, Project Manager, James Bajet (Ph. 619-533-3046)
- j) Manzana Storm Drain Replacement, Project Manager, Elham Lotfi (Ph. 619-533-5212)
- k) AC Woodman St Pipeline Replacement, Project Manager, Casey Crown (Ph. 619-533-5485)
- l) Skyline Hills Community Park Security Lighting Upgrades, Project Manager, Jennifer Scott (Ph. 619-533-5414)
- m) Otay 2nd Pipeline Phase 2, Project Manager, Casey Crown (Ph. 619-533-5485)

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.

1. 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.

3-5.1.8 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.

3-5.1.8.1 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.

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

11. You shall submit your list of proposed substitutions for an "equal" item **no later than 5 Working Days after the determination of the Apparent Low Bidder** 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 J** for more information on the protection of AMI devices.

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

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

SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

6-1.1 Construction Schedule. To the "WHITEBOOK", item 20, ADD the following:

To the "WHITEBOOK", item 22, subsection b, DELETE in its entirety and SUBSTITUTE with the following:

- b) A curve value percentage comparison between the Contract Price and the updated cash flow forecast for each Project ID included in the Contract Documents. Curve values shall be set on a scale from 0% to 100% in intervals of 5% of the Contract Time. Refer to the Sample City Invoice materials in the Contract Documents and use the format shown. Your invoice amounts shall be supported by this curve value percentage. For previous periods, use the actual values and percentages and update the curve value percentages accordingly.

ADD:

6-3.2.1.1 Environmental Document.

1. The City of San Diego Environmental Analysis Section (EAS) of the Development Services Department has prepared a **Notice of Exemption for Pipeline Rehabilitation AK-1**, 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, unless separate bid items have been provided.

6-7 **TIME OF COMPLETION.** To the "WHITEBOOK", ADD the following:

2. You shall complete the liner installation of all segments of sewer mains and the lateral reinstatements as verified by the Engineer within **320 Working Days** from the date of NTP. Complete the remaining Work as part of this project, including lateral lining and post-lining CCTV video, within the remaining number of Working Days.

6-8.3 **Warranty.** To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Warranty and repair all defective materials and workmanship for a period of 1 year. This call back warranty period shall start on the date that the Work was accepted by the City. Additionally, you shall warranty the Work against all latent and patent defects for a period of 10 years.

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.

7-3.2.3 Contractors Pollution Liability Insurance.

1. You shall procure and maintain at your expense or require your Subcontractor, as described below, to procure and maintain the Contractors Pollution Liability Insurance including contractual liability coverage to cover liability arising out of cleanup, removal, storage, or handling of hazardous or toxic chemicals, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit for bodily injury and property damage.
2. All costs of defense shall be outside the limits of the policy. Any such insurance provided by your Subcontractor instead of you shall be approved separately in writing by the City.
3. For approval of a substitution of your Subcontractor's insurance, you shall certify that all activities for which the Contractors Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance. The deductible shall not exceed \$25,000 per claim.
4. Contractual liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There shall be no endorsement or modification of the coverage limiting the scope of coverage for either "insured vs. insured" claims or contractual liability.
5. Occurrence based policies shall be procured before the Work commences and shall be maintained for the Contract Time. Claims Made policies shall be procured before the Work commences, shall be maintained for the Contract Time, and shall include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies that shall continue to be maintained for 12 months after the completion of the Work without advancing the retroactive date.
6. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

7-3.2.4

Contractors Hazardous Transporters Pollution Liability Insurance.

1. You shall provide at your expense or require your Subcontractor to provide, as described below, Contractors Hazardous Transporters Pollution Liability Insurance including contractual liability coverage to cover liability arising out of transportation of hazardous or toxic, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit per occurrence/aggregate for bodily injury and property damage.
2. All costs of defense shall be outside the limits of the policy. The deductible shall not exceed \$25,000 per claim. Any such insurance provided by a subcontractor instead of you shall be approved separately in writing by the City.
3. For approval of the substitution of Subcontractor's insurance the Contractor shall certify that all activities for which Contractors Hazardous Transporters Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance.
4. Contractual liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There shall be no endorsement or modification of the coverage limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. Occurrence based policies shall be procured before the Work commences and shall be maintained for the duration of this Contract. Claims Made policies shall be procured before the Work commences, shall be maintained for the duration of this contract, and shall include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies that shall continue to be maintained for 12 months after the completion of the Work under this Contract without advancing the retroactive date.
5. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

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.

7-3.5.3 Contractors Pollution Liability Insurance Endorsements.

7-3.5.3.1 Additional Insured.

1. The policy or policies shall be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to 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.

Except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of § 2782 of the California Civil Code apply, this endorsement shall not provide any duty of indemnity coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an

agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.

2. In any case where a claim or loss encompasses the negligence of the Insured and the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives that are not covered because of California Insurance Code §11580.04, the insurer's obligation to the City and its respective elected officials, officers, employees, agents, and representatives shall be limited to obligations permitted by California Insurance Code §11580.04.

7-3.5.3.2 Primary and Non-Contributory Coverage. The policy or policies shall be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. 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.

7-3.5.3.3 Severability of Interest. For Contractors Pollution Liability Insurance, the policy or policies shall provide that your insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and shall provide cross-liability coverage.

7-3.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.

7-3.5.4.1 Additional Insured.

1. The policy or policies shall be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to 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.

Except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of §2782 of the California Civil Code apply, this endorsement shall not provide any duty of indemnity coverage for the active negligence of the City and its respective elected

officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.

2. In any case where a claim or loss encompasses the negligence of the Insured and the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives that are not covered because of California Insurance Code §11580.04, the insurer's obligation to the City and its respective elected officials, officers, employees, agents, and representatives shall be limited to obligations permitted by California Insurance Code §11580.04.

7-3.5.4.2 Primary and Non-Contributory Coverage. The policy or policies shall be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. 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.

7-3.5.4.3 Severability of Interest. For Contractors Hazardous Transporters Pollution Liability Insurance, the policy or policies shall provide that your insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and shall provide cross-liability coverage.

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.

7-4 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.

7-20

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

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 203 - BITUMINOUS MATERIALS

203-3.4.4 RUBBER POLYMER MODIFIED SLURRY (RPMS). To the "WHITEBOOK", ADD the following:

1. RPMS shall be used on this Contract.

SECTION 217 - BEDDING AND BACKFILL MATERIALS

217-2.2 Stones, Boulders, and Broken Concrete. To Table 217-2.2, DELETE in its entirety and SUBSTITUTE with the following:

TABLE 217-2.2

Zone	Zone Limits	Maximum Size (greatest dimension)	Backfill Requirements in Addition to 217-2.1
Street or Surface Zone	From ground surface to 12" (300 mm) below pavement subgrade or ground surface	2.5" (63 mm)	As required by the Plans or Special Provisions.
Street or Surface Zone Backfill of Tunnels beneath Concrete Flatwork		Sand	Sand equivalent of not less than 30.
Trench Zone	From 12" (300 mm) below pavement subgrade or ground surface to 12" (300 mm) above top of pipe or box	6" (150 mm)	
Deep Trench Zone (Trenches 3' (0.9 m) wide or wider)	From 60" (1.5 m) below finished surface to 12" (300 mm) above top of pipe or box	Rocks up to 12" (300 mm) excavated from trench may be placed as backfill	
Pipe Zone	From 12" (300 mm) above top of pipe or box to 6" (150 mm) below bottom of pipe or box exterior	2.5" (63 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour).
Overexcavation	Backfill more than 6" (150 mm) below bottom of pipe or box exterior	6" (150 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour). Trench backfill slurry (100-E-100) per 201-1 may also be used.

SECTION 302 – ROADWAY SURFACING

ADD:

302-4.12.2.1.1 Slurry Treatment.

1. When slurry treatment is required by the Contract Documents, notify the Engineer at least 10 Working Days prior to the first application of slurry. The Engineer, upon assessment of street condition and classification, will verify the slurry type to be applied.
2. Application of sequential layers of slurry shall not commence until approved by the Engineer and until the following have been completed:
 - a) Mix design and wet track abrasion testing for the first-step slurry application has been approved by the Engineer. Unless otherwise directed by the Engineer, this testing may require 4 Working Days from field sampling to reporting of test results to the Engineer.
 - b) Corrective actions have been executed in accordance with 302-4.11.1.2, "Reduction in Payment Based on WTAT" such as reductions in payment, non-payment, or removal of material not meeting specifications, as directed by the Engineer.

302-4.12.4 Measurement and Payment. To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. Payment will be made at the Contract Unit Price for each type of slurry applied:

BID DESCRIPTION	UNIT
Rubber Polymer Modified Slurry (RPMS) Type I	SF
Rubber Polymer Modified Slurry (RPMS) Type II	SF
Rubber Polymer Modified Slurry (RPMS) Type III	SF
Rubber Polymer Modified Slurry (RPMS) Type I (Bike Lane)	SF

The Bid items for RPMS shall include full compensation for the specified surface preparation not included in other Bid items and shall include the Work necessary to construct the RPMS as specified on the Plans. Sweeping, removals, and furnishing the aggregate required for the mix design shall also be included in this Bid item.

302-5.9 Measurement and Payment. To the "WHITEBOOK", item 2, DELETE in its entirety.

302-7.4 **Payment.** To the "WHITEBOOK", item 1, last sentence, DELETE in its entirety and SUBSTITUTE with the following:

Payment shall not be made for additional fabric for overlapped areas.

SECTION 304 –METAL FABRICATION AND CONSTRUCTION

304-5 **PAYMENT.** To the "WHITEBOOK", REVISE section "304-5" to "304-6".

SECTION 314 – TRAFFIC STRIPING, CURB AND PAVEMENT MARKINGS, AND PAVEMENT MARKERS

314-4.3.7 **Payment.** To the "GREENBOOK", ADD the following:

1. The payment for the replacement of existing traffic striping, pavement markings, and pavement markers shall be included in the Bid item for "Striping" and shall also include the payment for new installations of traffic striping, pavement markings, and pavement markers.

314-4.4.6 **Payment.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. No separate payment shall be made for establishing alignment for stripes and layout Work.
2. The payment for the thermoplastic traffic striping of continental crosswalks shall be included in the Bid item for "Continental Crosswalks".
3. The payment for the replacement of existing thermoplastic traffic striping, pavement markings, and pavement markers shall be included in the Bid item for "Striping" and shall also include the payment for new installations of thermoplastic traffic striping, pavement markings, and pavement markers

SECTION 500 – PIPELINE, MANHOLE, AND STRUCTURE REHABILITATION

500-1.1.2.1 **Initial Submittals.** To the "WHITEBOOK", ADD the following:

4. Within 3 Working Days of the Bid opening date, the 3 apparent low bidders shall submit the following:
 - a) Contractor's Experience; past project documentation
 - b) Manufacturer Certification
 - c) Authorize Installer Certificates

ADD:

500-1.1.6.1 Order of Work for Rehabilitation Installation.

1. Rehabilitation shall be performed in the following order of Work:
 - a) First: Rehabilitation of Sewer Main, including sampling and testing.
 - b) Second: Installation of Sewer Lateral Connections and End Seals.
 - c) Third: Rehabilitation of Sewer Laterals, including sampling and testing.
2. You shall plan and schedule Work accordingly. Additional payment for demobilization or mobilization and additional Working Days shall not be granted for delays due to the order of rehabilitation Work.

500-1.6.6 Payment. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The payment for the service lateral rehabilitation Work of existing sewer laterals, existing cast iron sewer laterals, cleanout installations at the access point, and manual excavations for cleanout pits shall be included in the following Bid items:

Service Lateral Rehabilitation with Cleanout up to 7 Feet in Depth
Service Lateral Rehabilitation with Cleanout Greater than 7 Feet in Depth
Service Lateral Rehabilitation with Manually Excavated Cleanout up to 7 Feet in Depth
Service Lateral Rehabilitation with Manually Excavated Cleanout Greater than 7 Feet in Depth
Service Lateral Rehabilitation of Cast Iron Lateral with Cleanout Greater than 7 Feet in Depth
Service Lateral Rehabilitation of Cast Iron Lateral with Cleanout up to 7 Feet in Depth
Service Lateral Rehabilitation of Cast Iron Lateral with Manually Excavated Cleanout Greater than 7 Feet in Depth
Service Lateral Rehabilitation of Cast Iron Lateral with Manually Excavated Cleanout up to 7 Feet in Depth

These Bid items shall include all necessary labor, materials, and equipment in order to clean, repair, and line the Sewer Lateral.

2. The point repair Work for sewer laterals shall be in accordance with 500-1.2, "Pipeline Point Repair/Replacement" and shall be included in the Bid item for each "Point Repair for Existing Sewer Lateral". Measurement shall be made at the pipe and shall be based on the length of pipe repaired. You shall be paid for 1 point repair for each repair 8 ft (2.43 m) or less in length. This payment shall include all necessary labor, materials, and equipment to clean, repair, excavate, and inspect the Point Repair.
3. The payment for cleaning and video inspection for rehabilitated laterals shall be paid in accordance with 306-18.7, "Payment".
4. The payment for removing concrete encasement from existing laterals during rehabilitation shall be included in the bid item "Removal of Concrete Encasement on Existing Laterals".
5. The payment for the removal and replacement of vertical drops from existing laterals during rehabilitation shall be included in the bid item "Removal and Replacement of Vertical Drops on Existing Laterals".

500-2.4.6 Primer and Lining Materials. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

ADD:

500-2.4.6 Chemical Resistance Test (Pickle Jar Test).

1. Epoxy Lining Systems, Polyurethane and Epoxy Protective Lining Systems shall meet the requirements of 211-2, "Chemical Resistance Test (Pickle Jar Test)". Proof of meeting these requirements shall be provided to the Engineer for approval at least 15 Days prior to commencement of Work.
2. The epoxy primer materials for the polyurethane lining system shall be 100% solids.
3. The epoxy materials for the epoxy lining system shall be 100% solids.

500-2.4.7 Lining Application. To the "WHITEBOOK", DELETE in its entirety.

500-2.4.8 Test. To the "WHITEBOOK", DELETE in its entirety.

500-2.4.10 Applicable Standards. To the "WHITEBOOK", DELETE in its entirety.

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 Pedestrian Barricades shall be included in the Bid item for each “Pedestrian Barricade”.
20. The payment for Curb Ramp Barricades shall be included in the Bid item for each “Curb Ramp Barricade”.

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)

SUPPLEMENTARY SPECIAL PROVISIONS
APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

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
PUBLIC WORKS DEPARTMENT
525 B STREET, SUITE 750, MS 908A
SAN DIEGO, CA 92101

 OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

PROJECT/WBS No.: B-16109

PROJECT TITLE: Pipeline Rehabilitation AK-1

PROJECT LOCATION-SPECIFIC: The project is located in the public right-of-way and utility easements within the Skyline-Paradise Hills community planning area (Council District 4). The work will impact the following streets: Paradise Valley Road, South Woodman Street, Doriana Street, Windward Street, Brookhaven Road, Shady Oak Road, Kingswood Street, Fowler Drive, Doti Point Drive, Jamie Avenue, Leyte Point Drive, Quebec Court, Aegean Way, Aegean Place, and Ramfos Lane. The project is located within developed, urban areas and is not located within or adjacent to the City's Multi-Habitat Planning Area (MHPA).

PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: The project will rehabilitate approximately 29,255 linear feet (LF) of existing 8- and 10-inch diameter sewer main utilizing trenchless technology. Approximately 2,030 LF of sewer main will be point-repaired or replaced-in-place within the existing trench at the same or shallower depths. The project will also include the replacement of four (4) existing manholes, installation of five (5) new manholes, rehabilitation of 29 manholes, and installation of 12 new cleanouts. New cleanouts and manholes will be installed along the existing pipeline alignment at the same depth and associated excavation will occur within previously disturbed soils.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego Public Works Department
Jerry Jakubauskas; Phone: (619) 533-3755
525 B Street, Suite 750 (MS 908A), San Diego, CA 92101

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))
- CATEGORICAL EXEMPTION: 15301 (Existing facilities), 15302 (Replacement or Reconstruction), 15303 (New Construction or Conversion of Small Structures), and 15304 (Minor Alterations to Land)
- STATUTORY EXEMPTIONS:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review which determined that the project meets the categorical exemption criteria set forth in CEQA State Guidelines Sections: 15301(b) (Existing Facilities) which allows for the repair and maintenance of existing public facilities including both investor and publicly owned utilities used to provide electric power, natural gas, sewerage, or other public utility services involving negligible or no expansion of use beyond that existing at the time of the Lead Agency's determination; 15302(c) (Replacement or Reconstruction) which allows for the replacement or reconstruction of existing utility systems where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity; 15303 (New Construction or Conversion of Small Structures) which allows for the

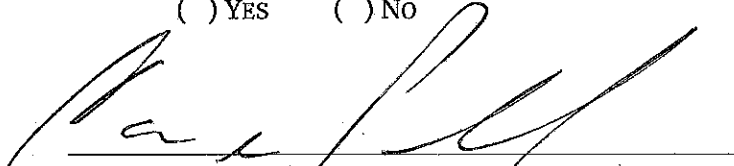
construction and location of new, small facilities or structures; and 15304(f) (Minor Alterations to Land) which allows for minor public alterations in the condition of land, water, and/or vegetation including minor trenching and backfilling where the surface is restored; where the exceptions listed in Section 15300.2 would not apply. The project is not expected to impact sensitive resources.

LEAD AGENCY CONTACT PERSON: Jerry Jakubauskas, Senior Planner

TELEPHONE: (619) 533-3755

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



CARRIE PURCELL, ASSISTANT DEPUTY DIRECTOR

3/23/2017
 DATE

CHECK ONE:

- SIGNED BY LEAD AGENCY
- SIGNED BY APPLICANT

DATE RECEIVED FOR FILING AT 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.)

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	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.

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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.

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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.

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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

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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

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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

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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.

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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.

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- 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).

**Larry Gardner
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 Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
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:	T.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: ()

<input type="checkbox"/> City Meter	<input type="checkbox"/> 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

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

APPENDIX D

SAMPLE CITY INVOICE AND 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: _____

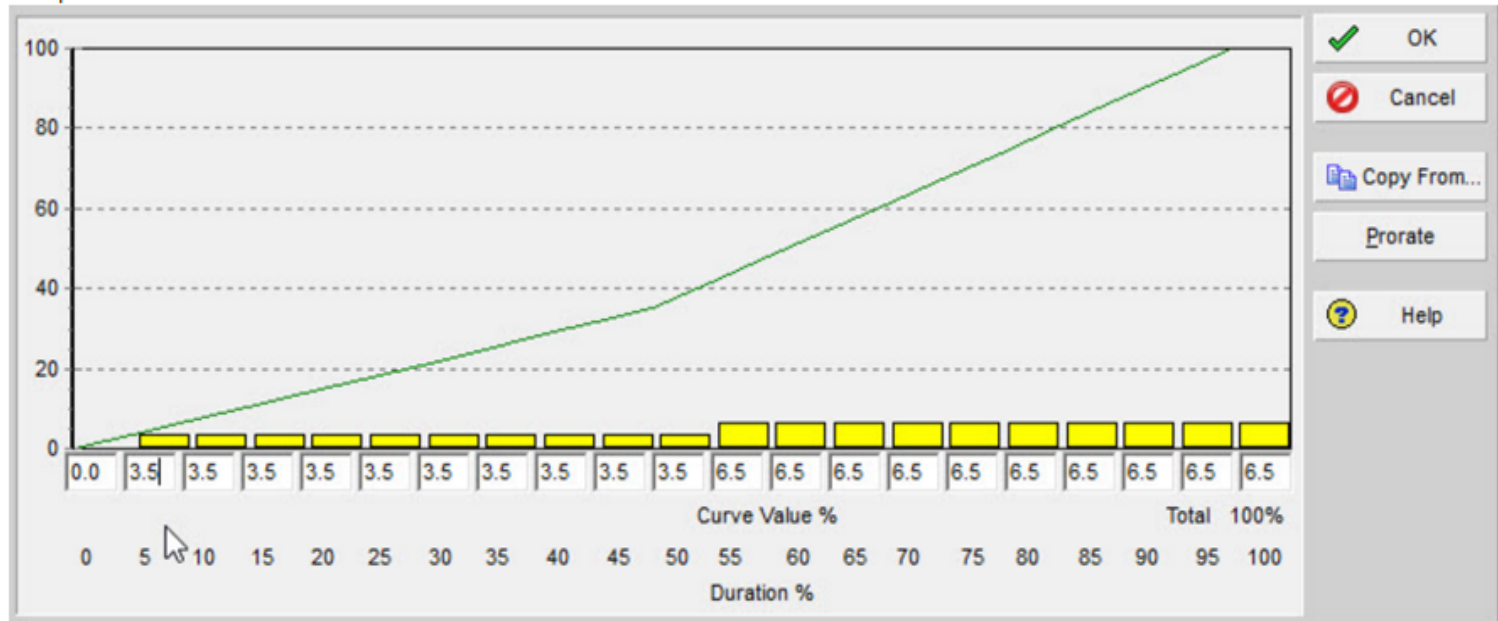
Sample Project Spend Curve

Sample Date Entries Required

Incremental Curve Value
Duration % Increment

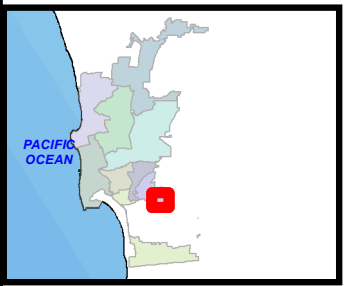
0.0%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%
0%	5%	10%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	95%	100%

Sample Screenshot from Primavera P6



APPENDIX E
LOCATION MAP

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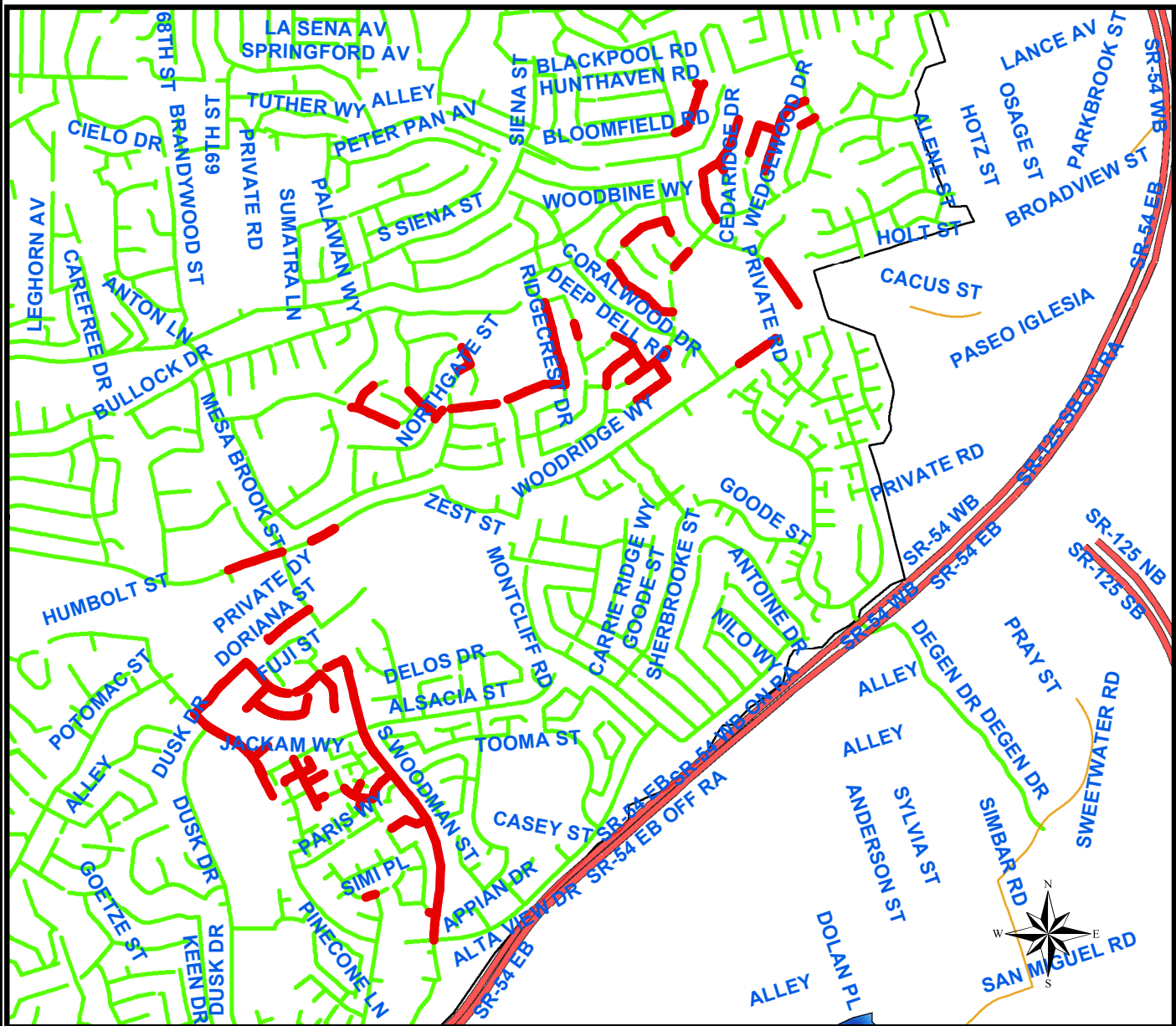
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
Location Map

SENIOR ENGINEER
NABIL BATTA
(619) 533-4145


PROJECT MANAGER
DANIEL TITTLE
(619) 533-7468

PROJECT ENGINEER
ALISHIA BALLARD
(619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
Call: (619) 533-4207
Email: engineering@sandiego.gov



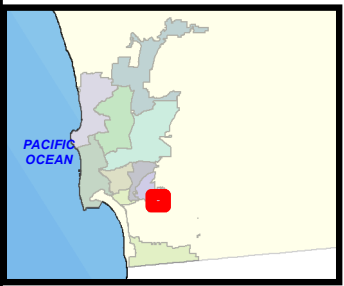
Legend

 Pipeline Rehabilitation AK-1



APPENDIX F
ADJACENT CONFLICT MAPS

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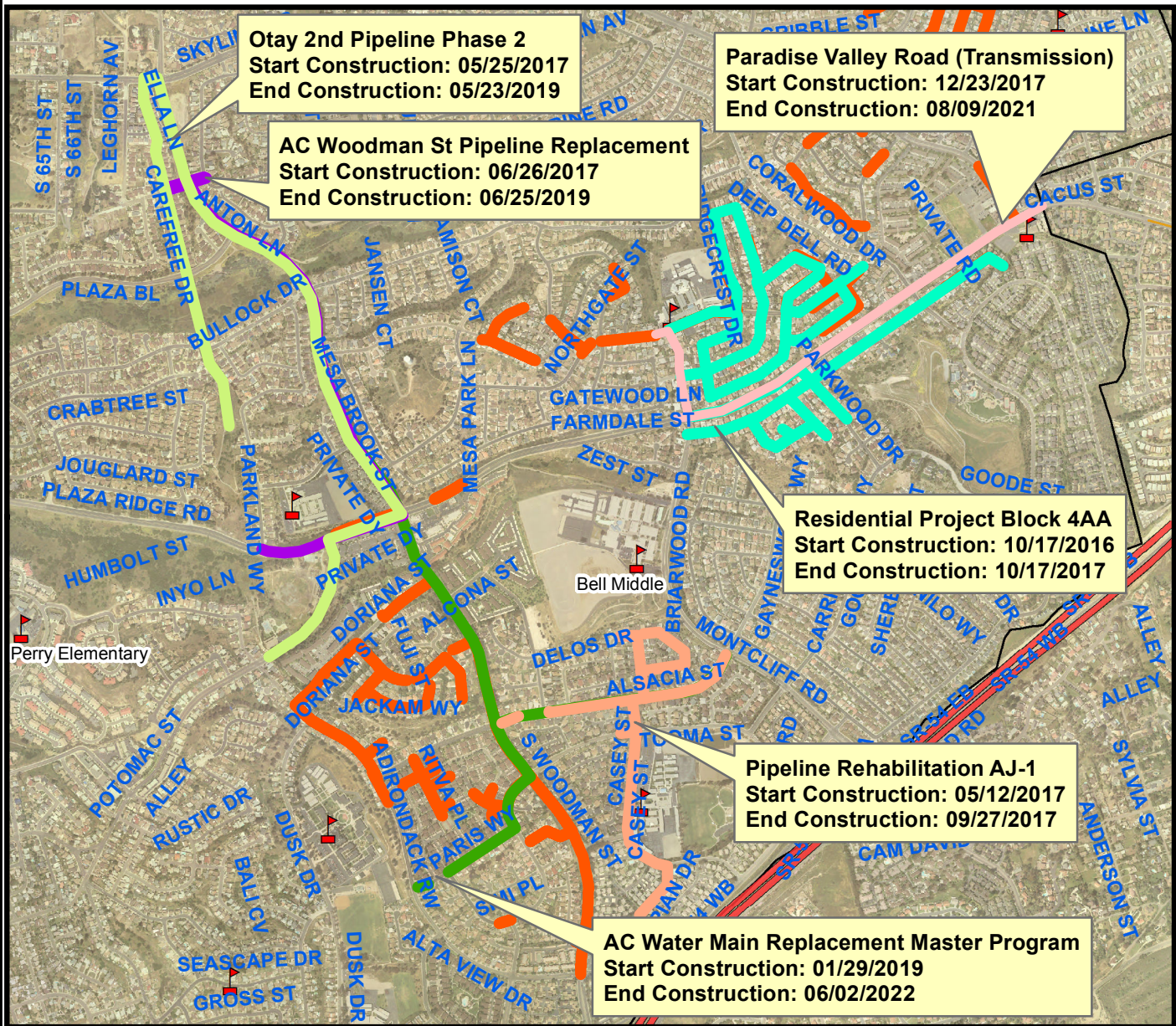
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
ADJACENT CONFLICT MAP 1 of 2

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

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 Call: (619) 533-4207
 Email: engineering@sandiego.gov

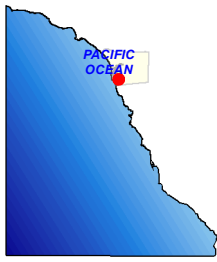


Legend

- UU446 Paradise Valley Road (Transmission)
- B15046 Otay 2nd Pipeline Phase 2
- B15081 AC Woodman St Pipeline Replacement
- B15201 Pipeline Rehab AJ 1
- B00826 Residential Project Block 4AA
- 999200 AC Water Main Replacement Master Program
- Pipeline Rehabilitation AK-1



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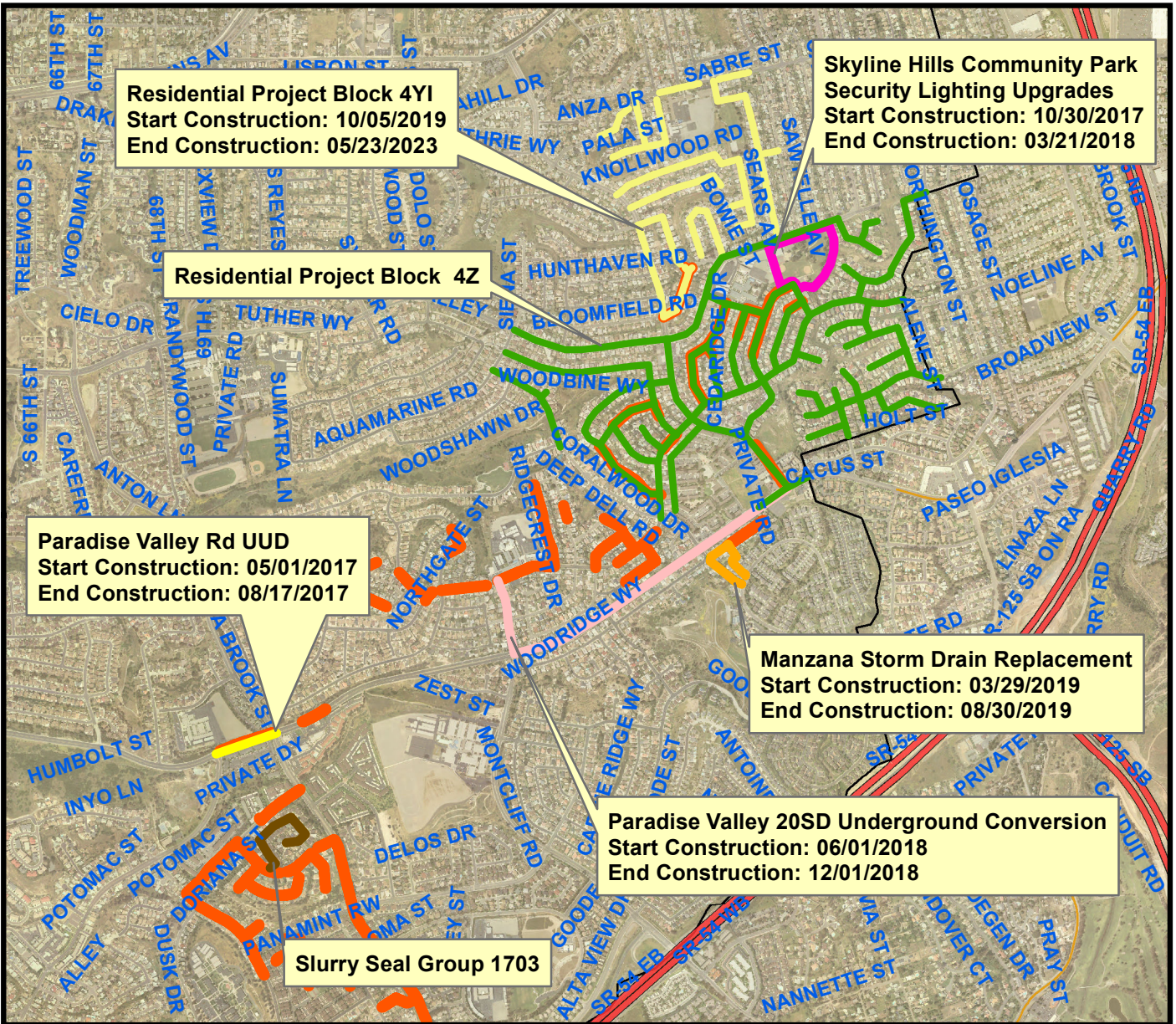
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
ADJACENT CONFLICT MAP 2 of 2

SENIOR ENGINEER
NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- UU789 Residential Project Block 4Z
- UU789 Residential Project Block 4YI
- SS011646 Slurry Seal Group 1703
- Skyline Hills Community Park S16021
- B17079 Manzana Storm Drain Replacement
- PR00278 Paradise Valley 20SD Underground Conversion
- B13149 Paradise Valley Rd UUD
- Pipeline Rehabilitation AK-1



APPENDIX G
HAZARDOUS LABEL/FORMS

**HAZARDOUS
WASTE**

**STATE AND FEDERAL LAW PROHIBITS IMPROPER DISPOSAL
IF FOUND, CONTACT THE NEAREST POLICE, OR PUBLIC SAFETY
AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY
OR THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES**

GENERATOR NAME _____

ADDRESS _____ 24 HR. PHONE () _____

CITY _____ STATE _____ ZIP _____

EPA ID NO. _____ MANIFEST DOCUMENT NO. _____

EPA WASTE NO. _____ CA WASTE NO. _____ ACCUMULATION START DATE _____ / /

CONTENTS, COMPOSITION _____

PROPER DOT SHIPPING NAME _____

TECHNICAL NAME (S) _____

UN/NA NO. WITH PREFIX _____

PHYSICAL STATE HAZARDOUS PROPERTIES FLAMMABLE TOXIC
 SOLID LIQUID CORROSIVE REACTIVE OTHER _____

HANDLE WITH CARE!
CONTAINS HAZARDOUS OR TOXIC WASTES

INCIDENT/RELEASE ASSESSMENT FORM ¹

If you have an emergency, Call 911

Handlers of hazardous materials are required to report releases. The following is a tool to be used for assessing if a release is reportable. Additionally, a non-reportable release incident form is provided to document why a release is not reported (see back).

Questions for Incident Assessment:

	YES	NO
1. Was anyone killed or injured, or did they require medical care or admitted to a hospital for observation?	<input type="checkbox"/>	<input type="checkbox"/>
2. Did anyone, other than employees in the immediate area of the release, evacuate?	<input type="checkbox"/>	<input type="checkbox"/>
3. Did the release cause off-site damage to public or private property?	<input type="checkbox"/>	<input type="checkbox"/>
4. Is the release greater than or equal to a reportable quantity (RQ)?	<input type="checkbox"/>	<input type="checkbox"/>
5. Was there an uncontrolled or unpermitted release to the air?	<input type="checkbox"/>	<input type="checkbox"/>
6. Did an uncontrolled or unpermitted release escape secondary containment, or extend into any sewers, storm water conveyance systems, utility vaults and conduits, wetlands, waterways, public roads, or off site?	<input type="checkbox"/>	<input type="checkbox"/>
7. Will control, containment, decontamination, and/or clean up require the assistance of federal, state, county, or municipal response elements?	<input type="checkbox"/>	<input type="checkbox"/>
8. Was the release or threatened release involving an unknown material or contains an unknown hazardous constituent?	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the incident a threatened release (a condition creating a substantial probability of harm that requires immediate action to prevent, reduce, or mitigate damages to persons, property, or the environment)?	<input type="checkbox"/>	<input type="checkbox"/>
10. Is there an increased potential for secondary effects including fire, explosion, line rupture, equipment failure, or other outcomes that may endanger or cause exposure to employees, the general public, or the environment?	<input type="checkbox"/>	<input type="checkbox"/>

If the answer is YES to any of the above questions – report the release to the California Office of Emergency Services at 800-852-7550 and the local CUPA daytime: (619) 338-2284, after hours: (858) 565-5255. Note: other state and federal agencies may require notification depending on the circumstances.

Call 911 in an emergency

If all answers are NO, complete a Non Reportable Release Incident Form (page 2 of 2) and keep readily available. Documenting why a “no” response was made to each question will serve useful in the event questions are asked in the future, and to justify not reporting to an outside regulatory agency.

If in doubt, report the release.

¹ This document is a guide for accessing when hazardous materials release reporting is required by Chapter 6.95 of the California Health and Safety Code. It does not replace good judgment, Chapter 6.95, or other state or federal release reporting requirements.

NON REPORTABLE RELEASE INCIDENT FORM

1. RELEASE AND RESPONSE DESCRIPTION

Incident # _____

Date/Time Discovered	Date/Time Discharge	Discharge Stopped <input type="checkbox"/> Yes <input type="checkbox"/> No
Incident Date / Time:		
Incident Business / Site Name:		
Incident Address:		
Other Locators (Bldg, Room, Oil Field, Lease, Well #, GIS)		
Please describe the incident and indicate specific causes and area affected. Photos Attached?: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Indicate actions to be taken to prevent similar releases from occurring in the future.		

2. ADMINISTRATIVE INFORMATION

Supervisor in charge at time of incident:	Phone:
Contact Person:	Phone:

3. CHEMICAL INFORMATION

Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Clean-Up Procedures & Timeline:	
Completed By:	Phone:
Print Name:	Title:

EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM

A	BUSINESS NAME	FACILITY EMERGENCY CONTACT & PHONE NUMBER () -	
B	INCIDENT DATE MO DAY YR	TIME OES NOTIFIED (use 24 hr time)	OES CONTROL NO.
C	INCIDENT ADDRESS LOCATION	CITY / COMMUNITY	COUNTY ZIP
D	CHEMICAL OR TRADE NAME (print or type)		CAS Number
D	CHECK IF CHEMICAL IS LISTED IN 40 CFR 355, APPENDIX A <input type="checkbox"/>		CHECK IF RELEASE REQUIRES NOTIFICATION UNDER 42 U.S.C. Section 9603 (a) <input type="checkbox"/>
D	PHYSICAL STATE CONTAINED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	PHYSICAL STATE RELEASED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	QUANTITY RELEASED
D	ENVIRONMENTAL CONTAMINATION <input type="checkbox"/> AIR <input type="checkbox"/> WATER <input type="checkbox"/> GROUND <input type="checkbox"/> OTHER	TIME OF RELEASE	DURATION OF RELEASE — DAYS — HOURS — MINUTES
E	ACTIONS TAKEN		
E			
E			
E			
E			
F	KNOWN OR ANTICIPATED HEALTH EFFECTS (Use the comments section for addition information)		
F	<input type="checkbox"/> ACUTE OR IMMEDIATE (explain) _____		
F	<input type="checkbox"/> CHRONIC OR DELAYED (explain) _____		
F	<input type="checkbox"/> NOTKNOWN (explain) _____		
G	ADVICE REGARDING MEDICAL ATTENTION NECESSARY FOR EXPOSED INDIVIDUALS		
G			
H	COMMENTS (INDICATE SECTION (A - G) AND ITEM WITH COMMENTS OR ADDITIONAL INFORMATION)		
H			
H			
H			
I	CERTIFICATION: I certify under penalty of law that I have personally examined and I am familiar with the information submitted and believe the submitted information is true, accurate, and complete.		
I	REPORTING FACILITY REPRESENTATIVE (print or type) _____		
I	SIGNATURE OF REPORTING FACILITY REPRESENTATIVE _____ DATE: _____		

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS

GENERAL INFORMATION:

Chapter 6.95 of Division 20 of the California Health and Safety Code requires that written emergency release follow-up notices prepared pursuant to 42 U.S.C. § 11004, be submitted using this reporting form. Non-permitted releases of reportable quantities of Extremely Hazardous Substances (listed in 40 CFR 355, appendix A) or of chemicals that require release reporting under section 103(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 [42 U.S.C. § 9603(a)] must be reported on the form, as soon as practicable, but no later than 30 days, following a release. The written follow-up report is required in addition to the verbal notification.

BASIC INSTRUCTIONS:

- The form, when filled out, reports follow-up information required by 42 U.S.C § 11004. Ensure that all information requested by the form is provided as completely as possible.
- If the incident involves reportable releases of more than one chemical, prepare one report form for each chemical released.
- If the incident involves a series of separate releases of chemical(s) at different times, the releases should be reported on separate reporting forms.

SPECIFIC INSTRUCTIONS:

Block A: Enter the name of the business and the name and phone number of a contact person who can provide detailed facility information concerning the release.

Block B: Enter the date of the incident and the time that verbal notification was made to OES. The OES control number is provided to the caller by OES at the time verbal notification is made. Enter this control number in the space provided.

Block C: Provide information pertaining to the location where the release occurred. Include the street address, the city or community, the county and the zip code.

Block D: Provide information concerning the specific chemical that was released. Include the chemical or trade name and the Chemical Abstract Service (CAS) number. Check all categories that apply. Provide best available information on quantity, time and duration of the release.

Block E: Indicate all actions taken to respond to and contain the release as specified in 42 U.S.C. § 11004(c).

Block F: Check the categories that apply to the health effects that occurred or could result from the release. Provide an explanation or description of the effects in the space provided. Use Block H for additional comments/information if necessary to meet requirements specified in 42 U.S.C. § 11004(c).

Block G: Include information on the type of medical attention required for exposure to the chemical released. Indicate when and how this information was made available to individuals exposed and to medical personnel, if appropriate for the incident, as specified in 42 U.S.C. § 11004(c).

Block H: List any additional pertinent information.

Block I: Print or type the name of the facility representative submitting the report. Include the official signature and the date that the form was prepared.

MAIL THE COMPLETED REPORT TO:

**State Emergency Response Commission (SERC)
Attn: Section 304 Reports
Hazardous Materials Unit
3650 Schriever Avenue
Mather, CA 95655**

NOTE: Authority cited: Sections 25503, 25503.1 and 25507.1, Health and Safety Code. Reference: Sections 25503(b)(4), 25503.1, 25507.1, 25518 and 25520, Health and Safety Code.

APPENDIX H
REHAB MANHOLE SAMPLE

REHAB DATA COLLECTION – MANHOLES

MH FSN	REHAB DATE	LINING TYPE	LINING MATERIAL VENDOR	LINING SYSTEM	REHAB CONTRACTOR	RIM ELEVATION	INVERT ELEVATION	ACTUAL DEPTH (VF)	COMMENTS	ACCEPTANCE DATE
70536	3/28/2007	POLYURETHANE	ZEBRON	ZEBRON 386	ZEBRON CORPORATION	49.8	41.95	7	Leave this row as a sample.	3/28/2007

APPENDIX I

SAMPLE OF PUBLIC NOTICES



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.

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• "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

To contact the City of San Diego: SD Public Works 619-533-4207 | engineering@sandiego.gov | sandiego.gov/CIP

This information is available in alternative formats upon request.

To contact the City of San Diego: SD Public Works 619-533-4207 | engineering@sandiego.gov | sandiego.gov/CIP

This information is available in alternative formats upon request.

APPENDIX J

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

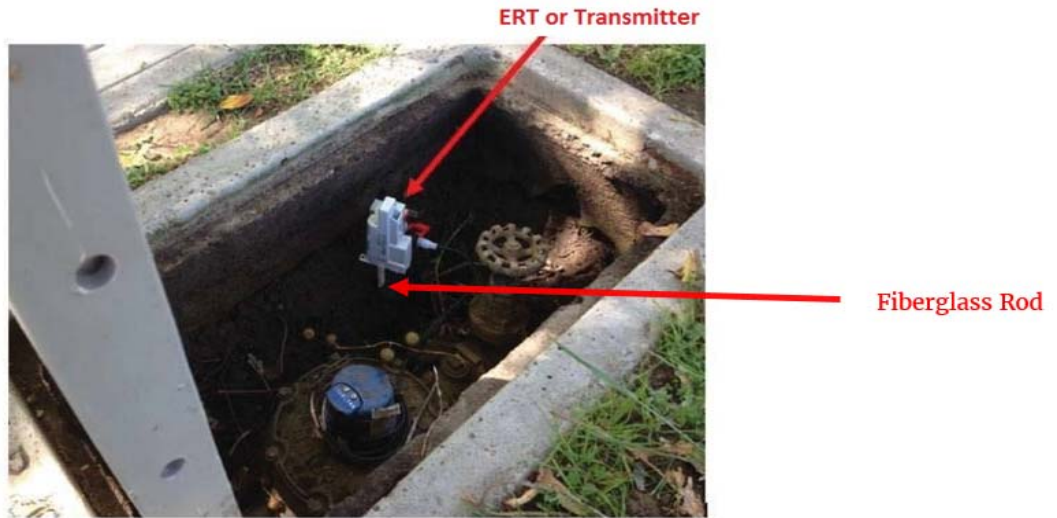


Photo 6 below is an example of disturbance that shall be avoided:

Photo 6



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

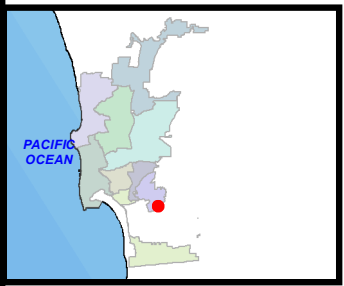


If you encounter any bad installations, disconnected/broken/buried endpoints, or inadvertently damage any AMI devices or cables, notify the Resident Engineer immediately. The Resident Engineer will then immediately contact the AMI Project Manager, Arwa Sayed, at (619) 362-0121.

APPENDIX K

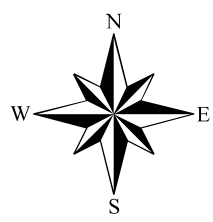
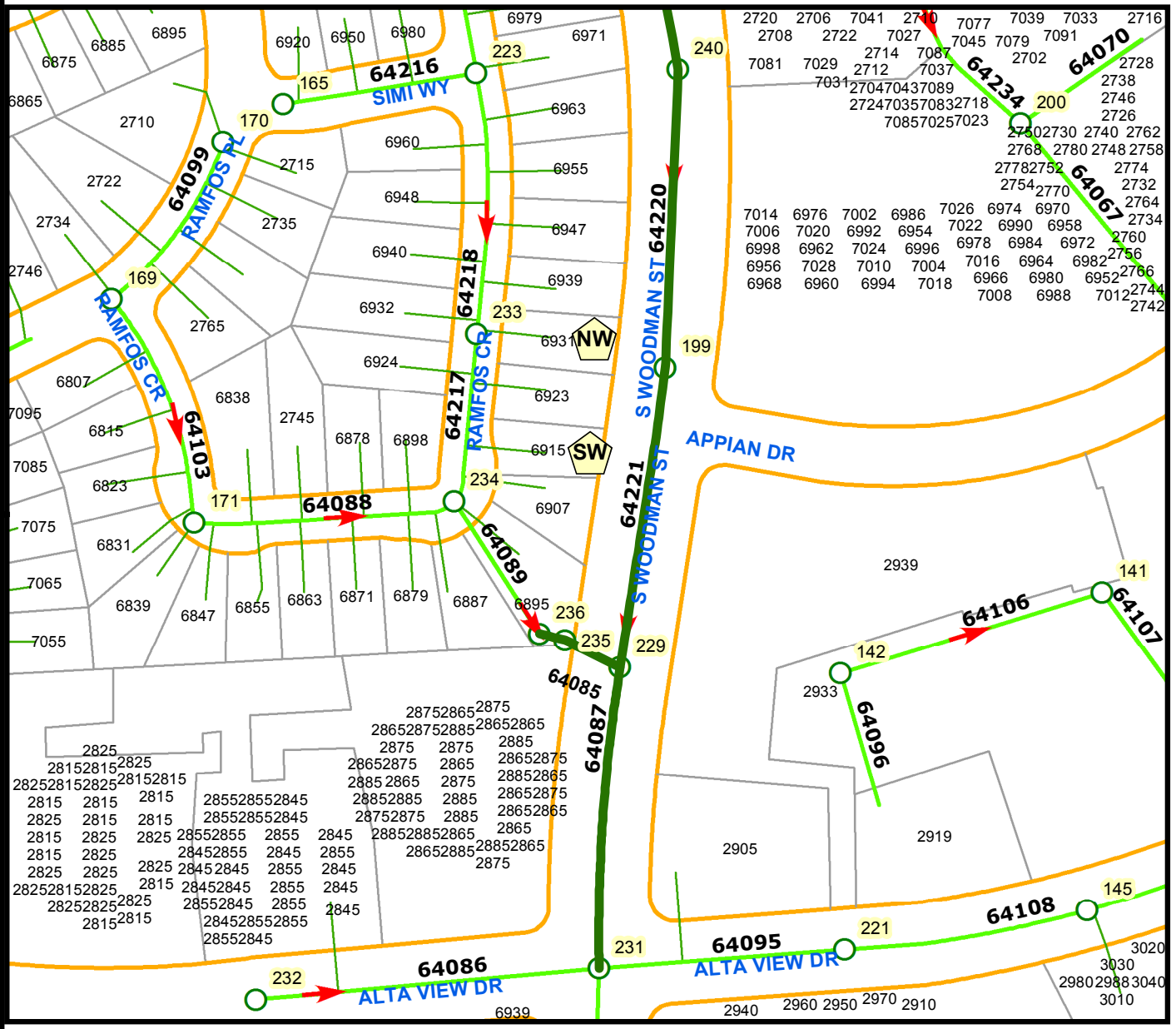
CURB RAMP PLAN AND NOTES

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The City of
SAN DIEGO Public Works
CURB RAMP PLAN
SHEET 01

SENIOR ENGINEER NABIL BATTA (619) 533-4145	PROJECT MANAGER DANIEL TITTLE (619) 533-7468	PROJECT ENGINEER ALISHIA BALLARD (619) 235-1967	FOR QUESTIONS ABOUT THIS PROJECT Call: (619) 533-4207 Email: engineering@sandiego.gov
---	---	--	---



Legend

- Sewer Lateral Rehab
- Sewer Main Rehab
- CURB RAMP
- Mains

- EX Manholes
- 1234** Sewer Main FSN No.
- 123 Manhole MAP ID.
- Right of Way
- ↑ Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

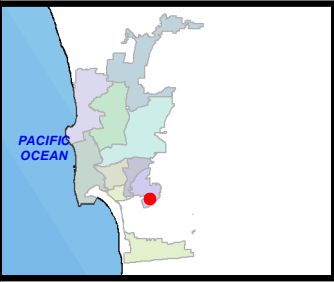
SAP ID: B16109

Date: January 12, 2017
 Pipeline Rehabilitation AK-1

Appendix K - Curb Ramp Plan and Notes



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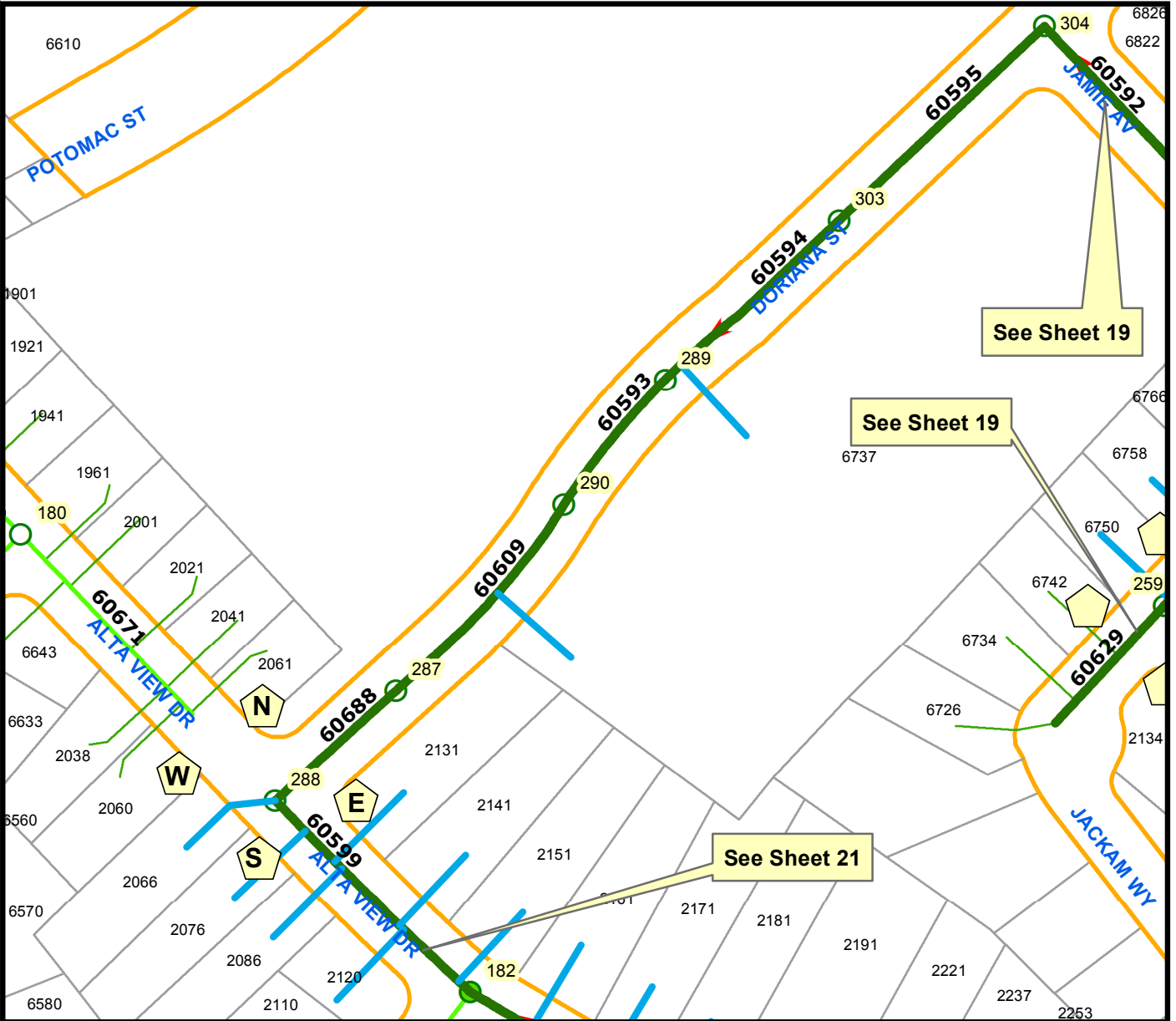
The City of
SAN DIEGO Public Works
CURB RAMP PLAN
SHEET 02

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

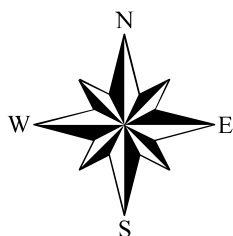
FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral Rehab
- Sewer Main Rehab
- CURB RAMP
- Mains

- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.
- Right of Way
- Flow Direction Arrows



COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

SAP ID: B16109

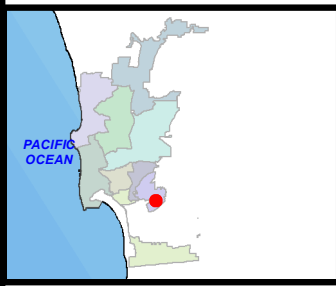
Date: January 12, 2017

Pipeline Rehabilitation AK-1

Appendix K - Curb Ramp Plan and Notes

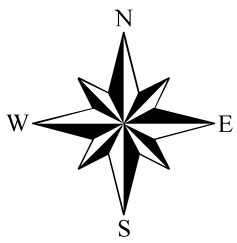
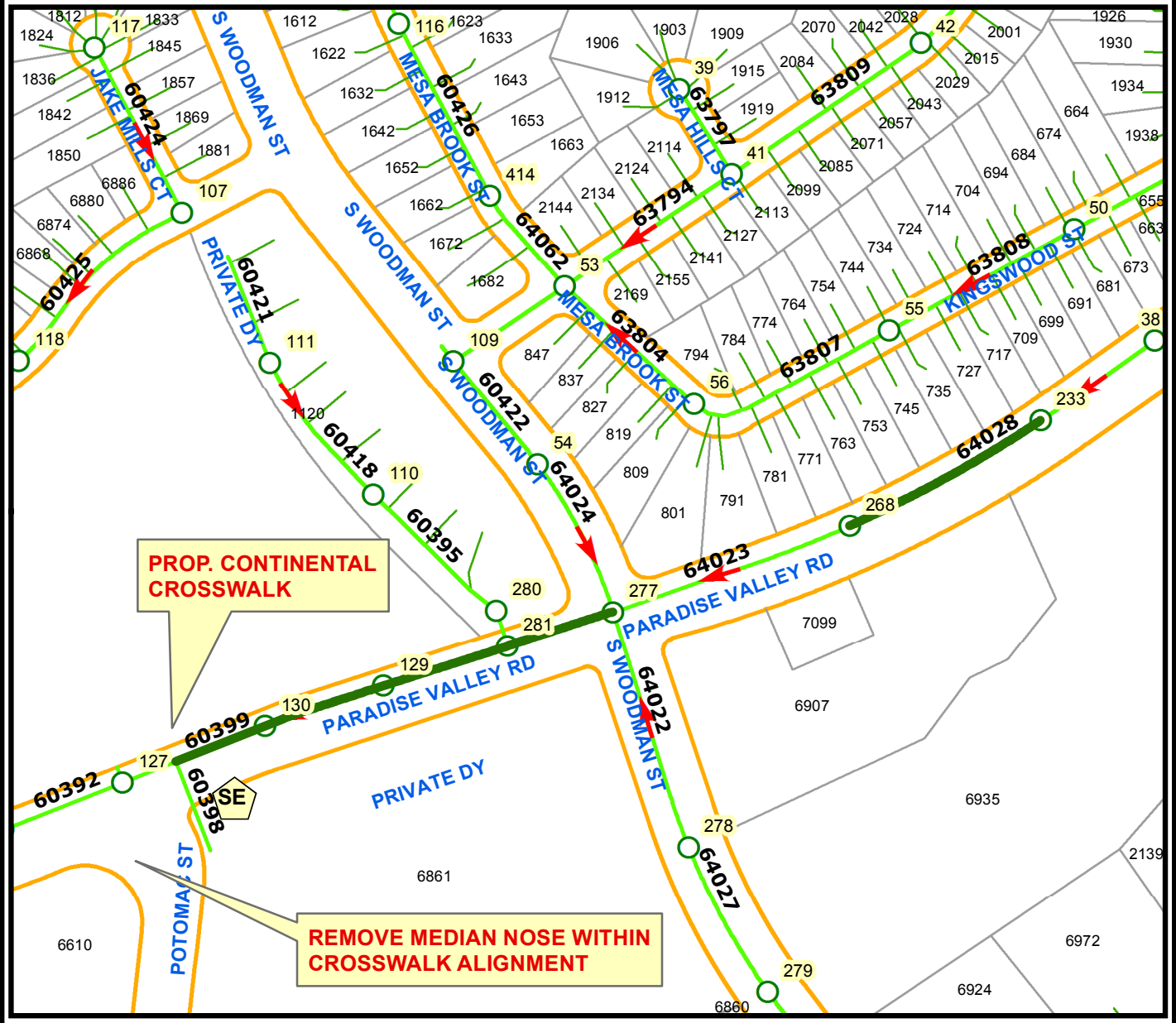


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The City of
SAN DIEGO Public Works
CURB RAMP PLAN
SHEET 03

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
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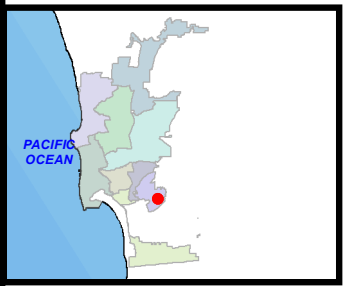


Legend

- Sewer Lateral Rehab
- Sewer Main Rehab
- CURB RAMP
- Mains

- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.
- Right of Way
- ↑ Flow Direction Arrows

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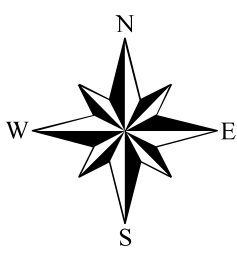
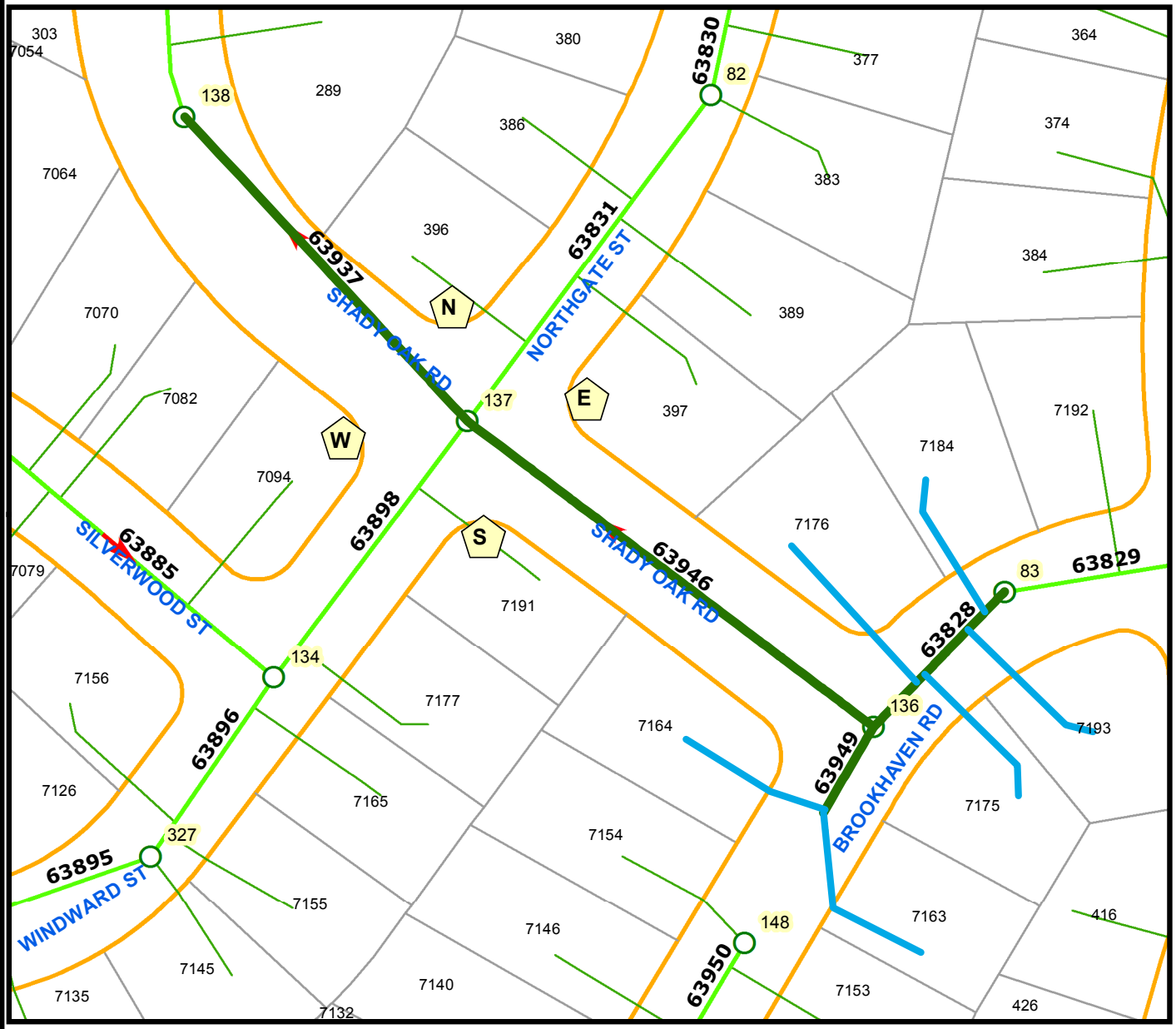
The City of
SAN DIEGO Public Works
CURB RAMP PLAN
SHEET 04

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145





PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468




PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

-  Sewer Lateral Rehab
-  Sewer Main Rehab
-  CURB RAMP
-  Mains

-  EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.
-  Right of Way
-  Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

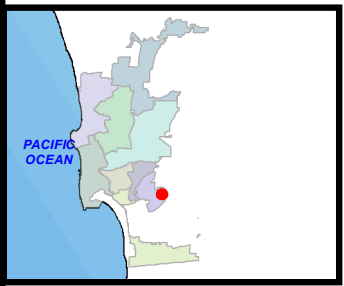
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Date: January 12, 2017
 Pipeline Rehabilitation AK-1

Appendix K - Curb Ramp Plan and Notes



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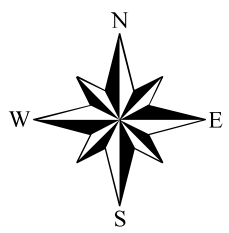
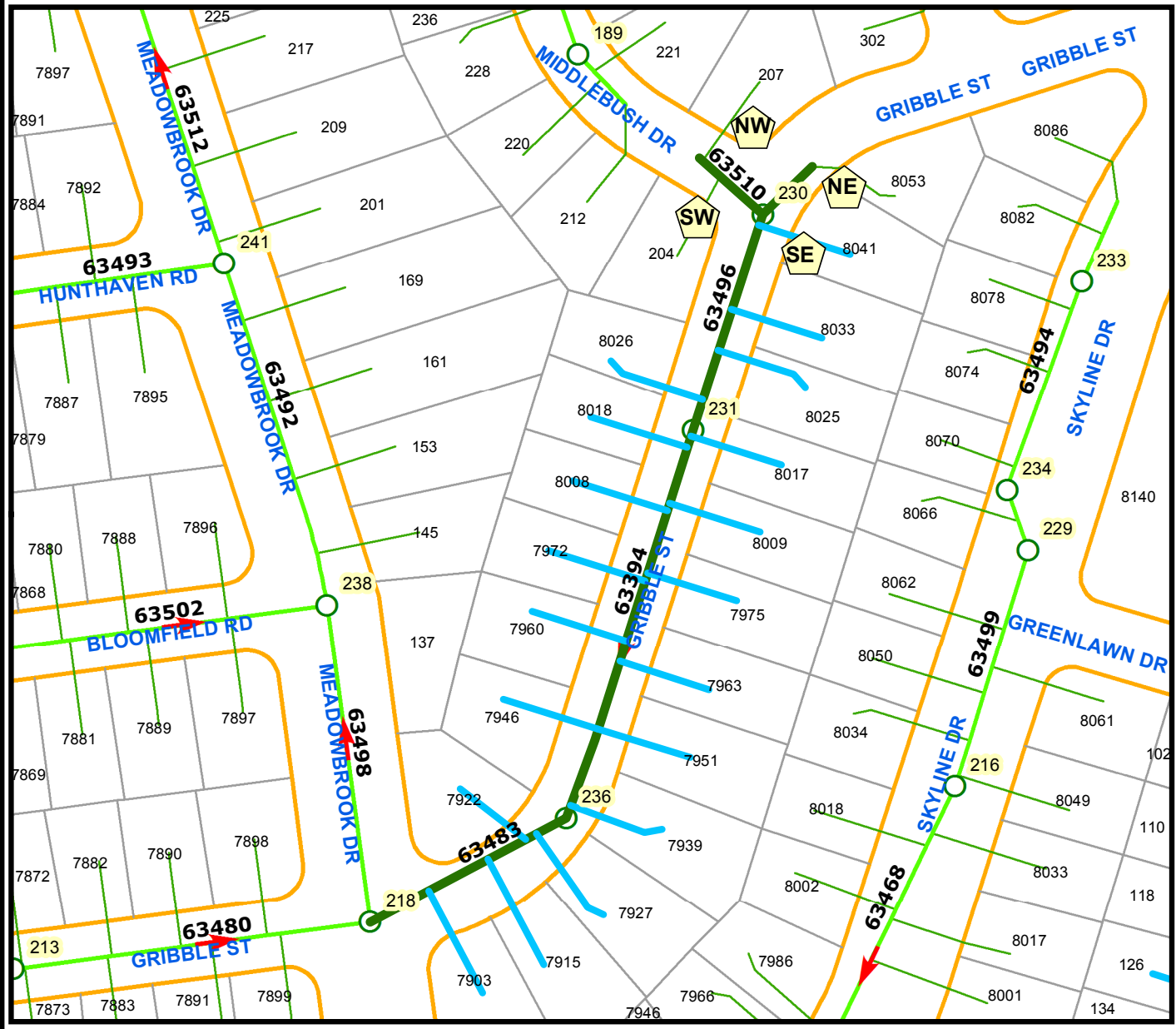
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CURB RAMP PLAN
SHEET 05

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral Rehab
- Sewer Main Rehab
- CURB RAMP
- Mains

- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP.ID
- Right of Way
- Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

SAP ID: B16109

Date: January 12, 2017
 Pipeline Rehabilitation AK-1

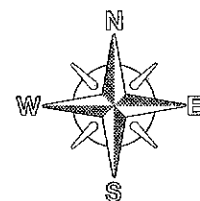
Appendix K - Curb Ramp Plan and Notes



CURB RAMP TABLE									
CURB RAMP SHEET NO.	LOCATION	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	TRUNCATED DOME MATERIAL		CONSTRAINTS	COMMENTS
						STAINLESS STEEL	OTHER		
1	NW	B	X			X			INSTALL RETAINING CURB.
	SW	CASE A	X			X			PROTECT EXISTING STREET LIGHT IN PLACE. SIDE RAMP TO BE INSTALLED ADJACENT TO STREET LIGHT POLE.
2	W	-							INSTALL PEDESTRIAN BARRICADE PER SDE-103. TO PREVENT CROSSING ALTA VIEW.
	S	CI	X			X			RELOCATE WATER METTER BOX LID. PROVIDE 4' LEVEL LANDING ADJACENT TO DRIVEWAY.
	N	-							INSTALL PEDESTRIAN BARRICADE PER SDE-103. TO PREVENT CROSSING ALTA VIEW.
	E	-							RELOCATE EXISTING STOP LIMIT LINE.
3	NW	-							RELOCATE PPB TO TOP LANDING
	SE	-							RELOCATE EXISTING PPB TO THE RETAINING CURB AT THE BOTTOM LANDING. INSTALL CONTINENTAL CROSSWALK AT SOUTH AND EAST SIDE OF INTERSECTION PER SDM-116. REALIGN SOUTH CROSSWALK TO PROVIDE DIRECT CONNECTION. REMOVE MEDIAN NOSE IN CONFLICT WITH SOUTH CROSSWALK. RELOCATE MEDIAN SIGN.
4	N	C2	X			X			CUT BACK VEGETATION OVERGROWTH ALONG SHADY OAK AND NORTHGATE SIDEWALK TO PROVIDE ACCESSIBLE PATH. RELOCATE EXISTING STOP LIMIT LINE.
	W	C2		X		X			
	S	C2	X			X			PROTECT EXISTING SIGN AND UTILITY POLE IN PLACE. CUT BACK VEGETATION OVERGROWTH ALONG SHADY OAK TO PROVIDE ACCESSIBLE PATH.
	E	C2	X			X			PROVIDE 4' LEVEL LANDING ADJACENT TO DRIVEWAY.
5	NW	A	X			X			4' LEVEL LANDING IN FRONT OF PRIVATE WALKWAY TO MATCH DRIVEWAY GRADE. ADJUST DRIVEWAY GRADE IF NECESSARY. DO NOT INSTALL RETAINING CURB BETWEEN DRIVEWAY AND SIDEWALK.
	SW	A	X			X			PROTECT EXISTING FENCE IN PLACE.
	SE	B	X			X			4' FLAT LANDING FROM DRIVEWAY AND 4' FLAT LANDING IN FRONT OF PRIVATE WALKWAY.
	NE	B	X			X			PROTECT EXISTING UTILITY POLE IN PLACE. PROVIDE SINGLE FLARE ON SOUTH SIDE OF RAMP TO MATCH DRIVEWAY GRADE. ADJUST DRIVEWAY GRADE IF NECESSARY. DO NOT INSTALL RETAINING CURB BETWEEN DRIVEWAY AND SIDEWALK.

GENERAL NOTES:

- a. CONTRACTOR MAY USE NON STAINLESS STEEL MATERIAL PER CITY'S AML IF THE DWT HAS TO BE TRIMMED TO CONFORM TO THE CURB RAMP CONFIGURATION.
- b. THE DESIGN OF THE CURB RAMP SHALL NOT AFFECT THE DRAINAGE PATTERN ON THE STREET.
- c. CONTRACTOR TO REPLACE LIFTED, DAMAGED OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN.
- d. COUNTER SLOPES (CURB RAMP SLOPE PLUS STREET SLOPE) WHEN ADDED CANNOT EXCEED 13% . WITH THE EXCEPTION OF THE TYPE C2 AND CI, ADJUST THE SLOPE OF THE MAIN RAMP AND/OR STREET IF THE COUNTER SLOPE EXCEED 5.0% .
- e. CONTRACTOR TO PROTECT ANY EXISTING WALLS BEHIND THE SIDEWALK DURING DEMOLITION AND CONSTRUCTION.
- f. FOR NEW OR RELOCATED SIGNAL AND/OR PPB POLES, THE HOUSING ASSEMBLY FOR THE PPB'S SHALL BE REPLACED WITH A METALLIC HOUSING THAT MATCHES COLOR NO. 33538 OF FED-STD-595.
- g. CONTRACTORS TO ENSURE THERE ARE SIGNS ON BOTH SIDES OF THE STANDARD PEDESTRIAN BARRICADE AND THAT THE ARROWS ON THE SIGNS POINT TO NEAREST CROSSING AREA.
- h. PROVIDE A RETAINING CURB BEHIND THE CURB RAMP IF THE ADJACENT GRADE IS HIGHER OR LOWER THAN THE SIDEWALK OR CURB RAMP LANDING SURFACE. THE HEIGHT OF THE RETAINING CURB SHALL BE 2" HIGHER THAT THE ADJACENT GRADE. IF THE GRADE IS LOWER, A 6" HIGH CONCRETE CURB SHALL BE USED. IF THE GRADE IS LOWER THAN 24", A PROTECTIVE RAILING SHALL BE PROVIDED.



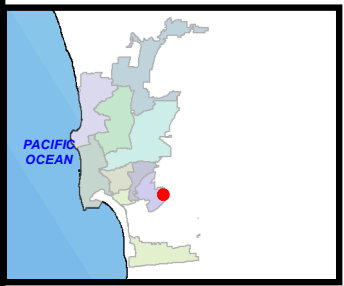
NOT TO SCALE

LEGEND	
	CURB RAMP NO's
	EX. CURB RAMP W/DETECTABLE WARNING TILE
	EX. HISTORICAL STAMPS
	PROPOSED PEDESTRIAN BARRICADE PER SDE-103
PROPOSED CURB RAMP PER STANDARD DRAWINGS:	
DETECTABLE WARNING TILES	SDG-130
GENERAL CURB RAMP NOTES & SUPPLEMENTAL DETAILS	SDG-131
CURB RAMP A & B	SDG-132
DUAL CURB RAMP	SDG-133
CURB RAMP - TYPE CI C2	SDG-134
CURB RAMP - TYPE CI C2 & MORE DETAILS	SDG-135
CURB RAMP - TYPE D	SDG-136
GENERAL CURB RAMP	SDG-137
ISLAND AND PASSAGEWAY DETAILS	SDG-138
CURB RAMP BARRICADE	SDG-139
EX. STAMP/IMPRESSION PLACEMENT	SDG-140

AK-1-CURB RAMP PLAN				
CURB RAMP NOTES				
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT			SEWER WBS	B-16109
FOR CITY ENGINEER NABIL DATTA	DATE	DRAWN BY ALISHA BALLARD		PROJECT MANAGER DANIEL TITTLE
PRINT NAME	ROLE	CHECKED BY ALISHA BALLARD		PROJECT ENGINEER
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	FH			
CONTRACTOR			DATE STARTED	
INSPECTOR			DATE COMPLETED	

APPENDIX L
RESURFACING PLAN

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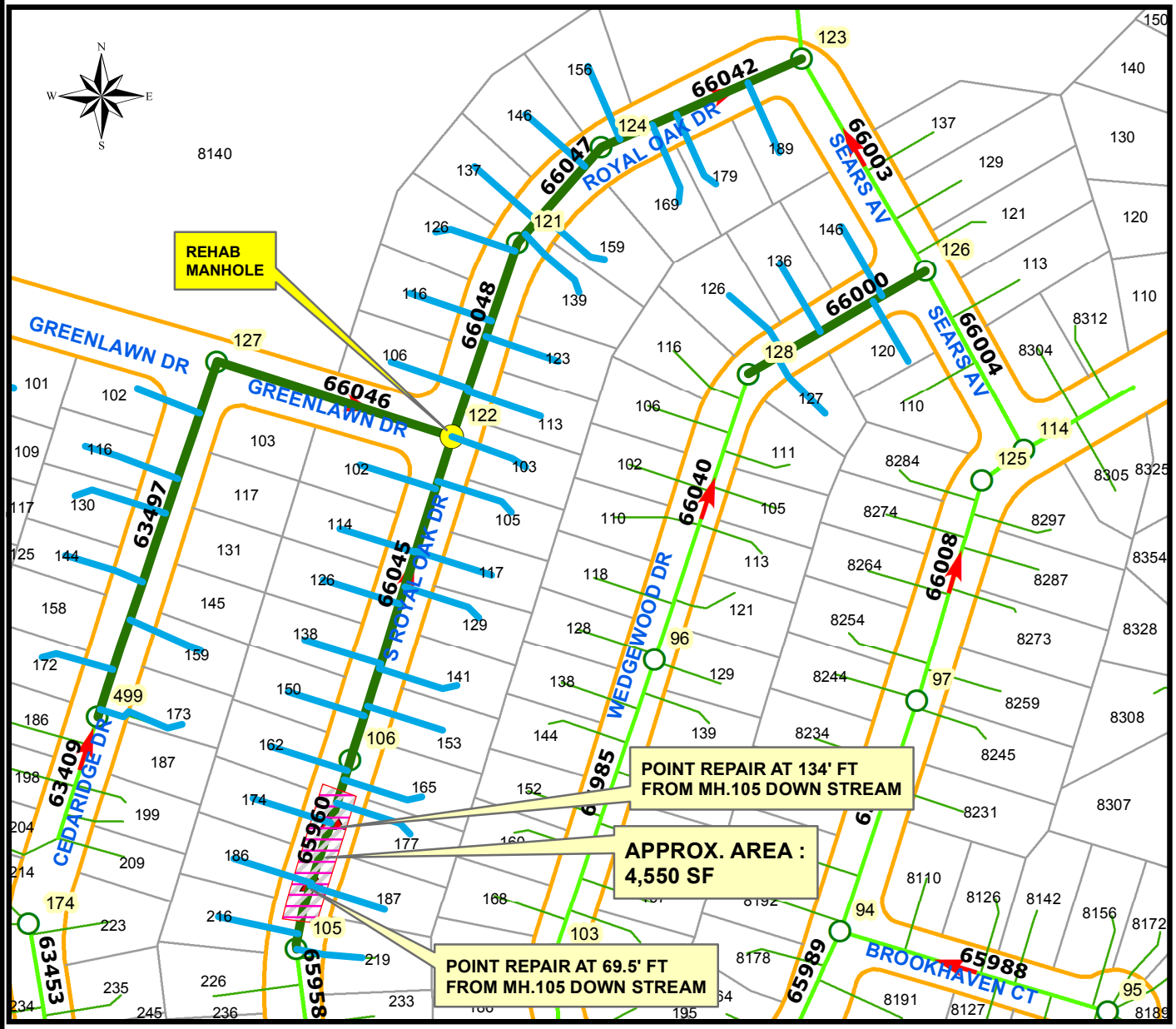
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SAN DIEGO Public Works
RESURFACING PLAN
SHEET 01

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
- Sewer Lateral Rehab
- 1234** Sewer Main FSN No.
- Sewer Manhole Replacement
- Sewer Main Rehab
- Rehab Manhole
- Point Repair
- 123** Manhole MAP.ID
- TYPE I OVER TYPE II SLURRY
- Mains
- Right of Way
- Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

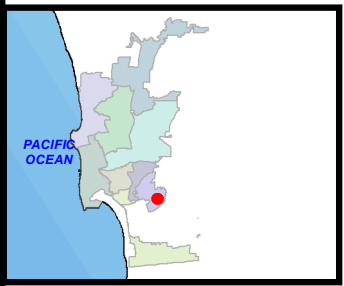
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Date: March 30, 2016
 Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan



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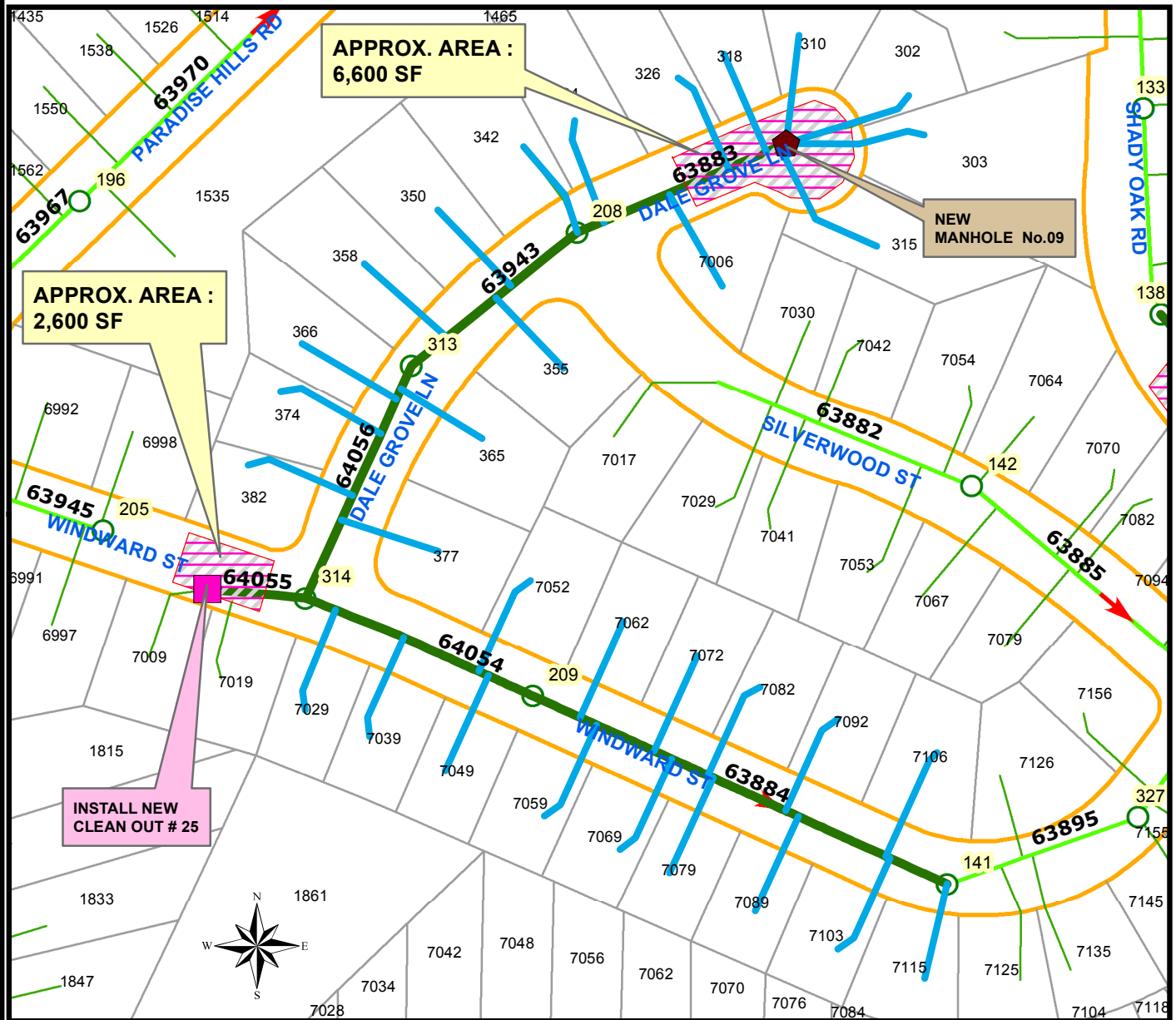
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SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
 - Install New Cleanout
 - EX Manholes
 - New Manhole
 - Sewer Lateral Rehab
 - Sewer Manhole Replacement
 - Sewer Main Rehab
 - Rehab Manhole
 - Right of Way
 - TYPE I OVER TYPE II SLURRY
 - Mains
- 1234** Sewer Main FSN No.
123 Manhole MAP ID.
 Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

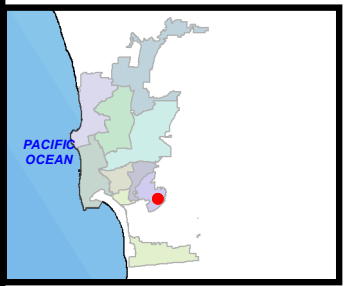
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 Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan

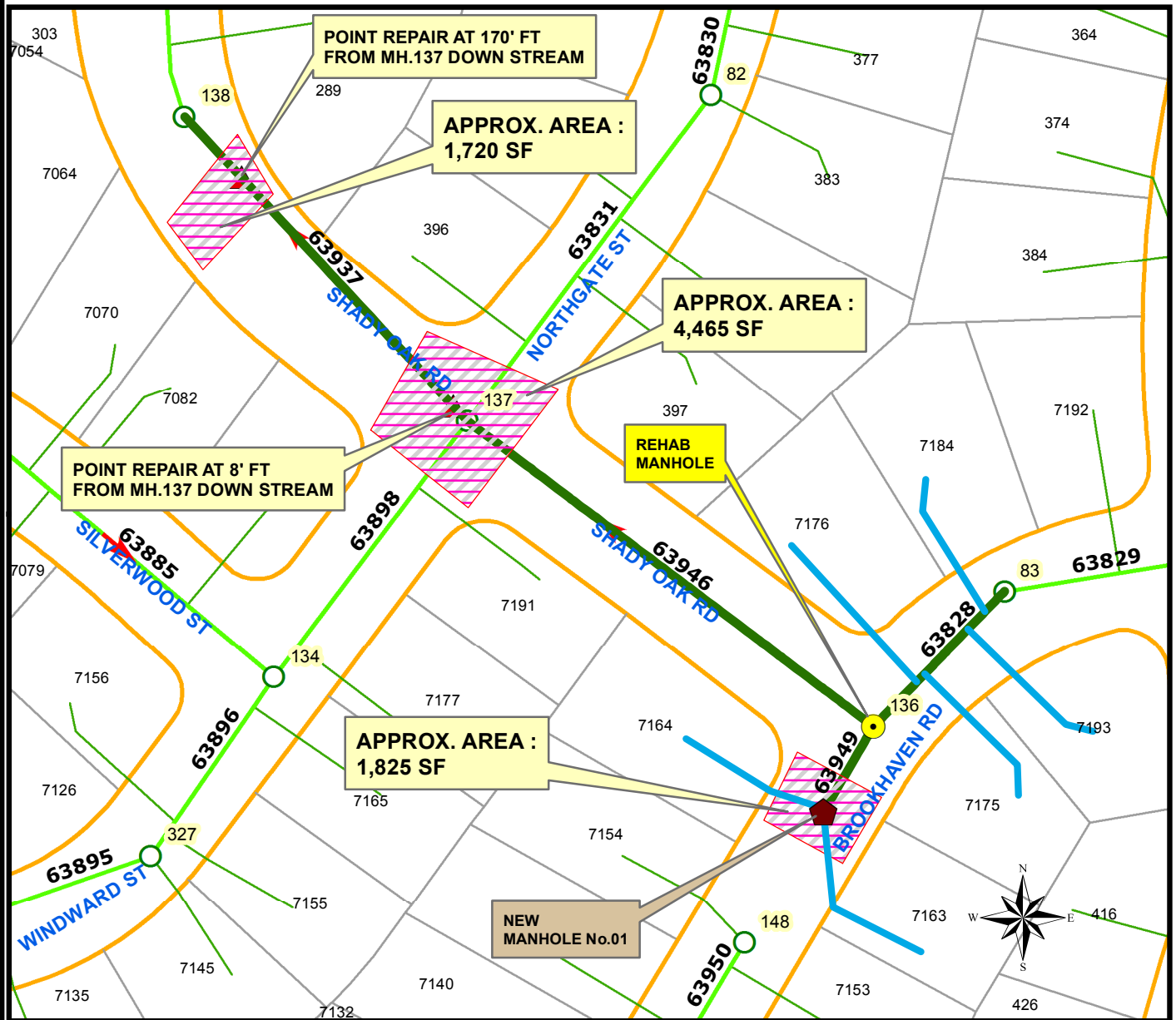


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SHEET 03

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
- Sewer Lateral Rehab
- 1234** Sewer Main FSN No.
- Sewer Manhole Replacement
- Sewer Main Rehab
- 123** Manhole MAP ID.
- Rehab Manhole
- Point Repair
- Right of Way
- TYPE I OVER TYPE II SLURRY
- Mains
- Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

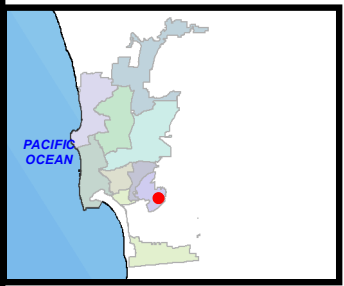
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Date: March 30, 2016
 Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan



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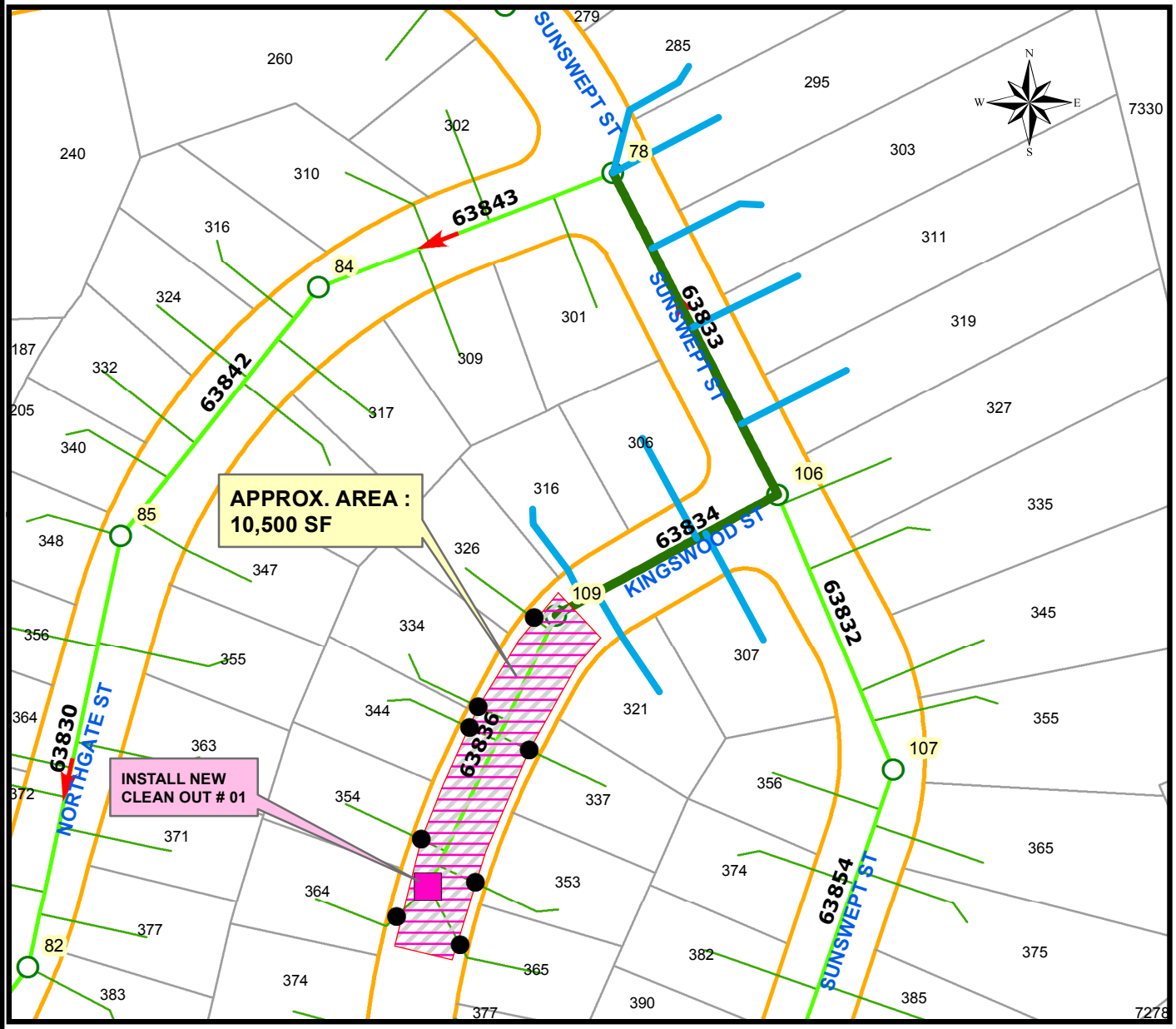
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RESURFACING PLAN
SHEET 04

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- ◆ New Manhole
- Sewer Manhole Replacement
- Rehab Manhole
- ▨ TYPE I OVER TYPE II SLURRY
- Install New Cleanout
- Sewer Lateral Rehab
- Sewer Main Rehab
- Right of Way
- Mains
- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.
- ↑ Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

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Date: March 30, 2016
 Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan



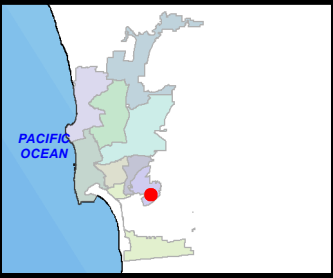
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RESURFACING PLAN
SHEET 05

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 NABIL BATTA
 (619) 533-4145

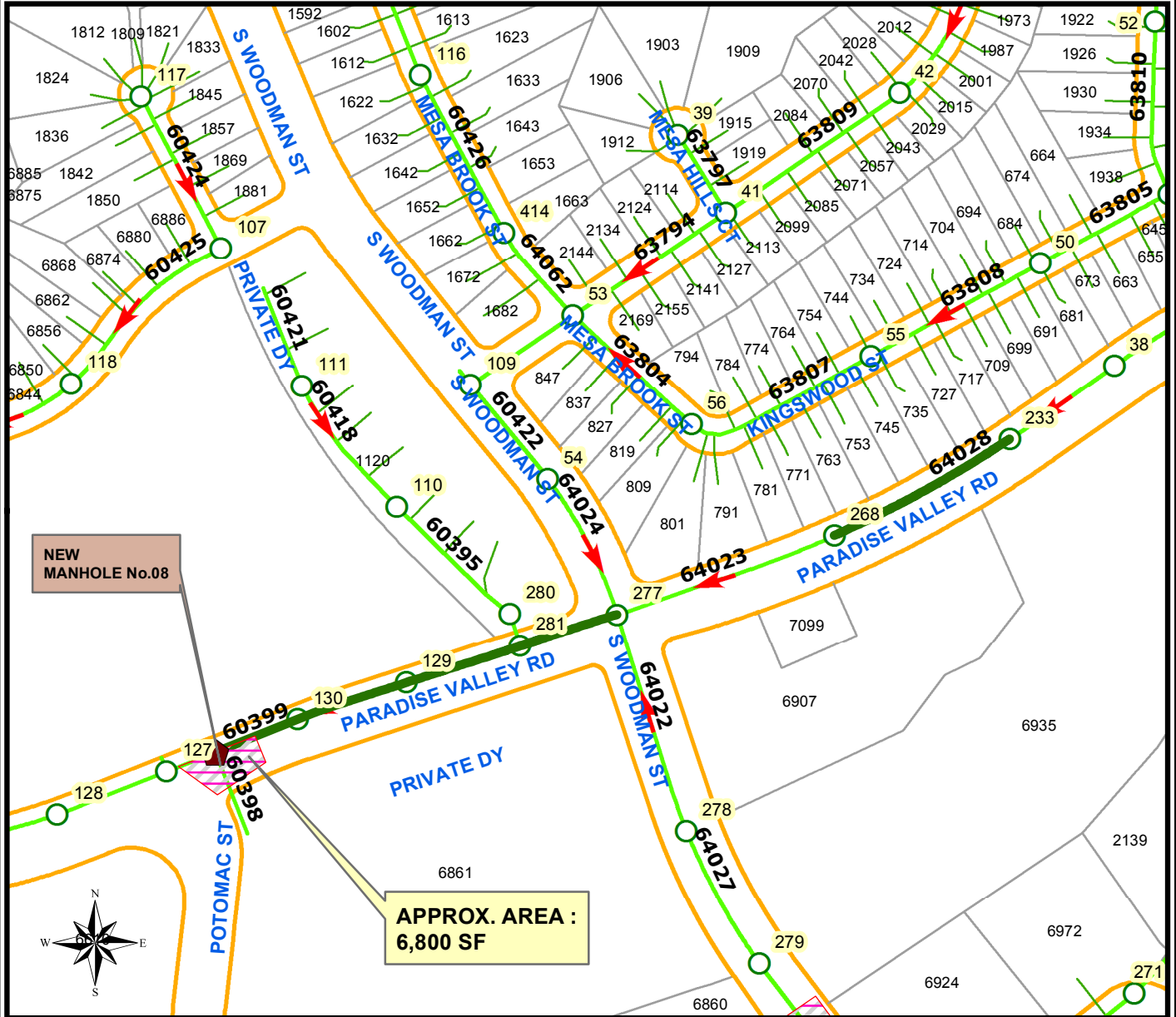
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 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

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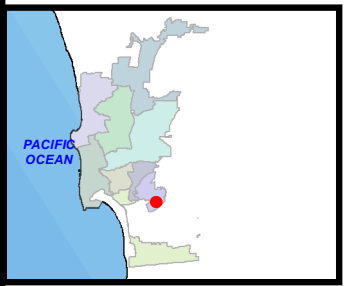
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Legend

- | | | |
|----------------------------|----------------------|--------------------------------|
| Sewer Lateral With C/O | Install New Cleanout | EX Manholes |
| New Manhole | Sewer Lateral Rehab | 1234 Sewer Main FSN No. |
| Sewer Manhole Replacement | Sewer Main Rehab | 123 Manhole MAP ID. |
| Rehab Manhole | Right of Way | Flow Direction Arrows |
| TYPE I OVER TYPE II SLURRY | Mains | |

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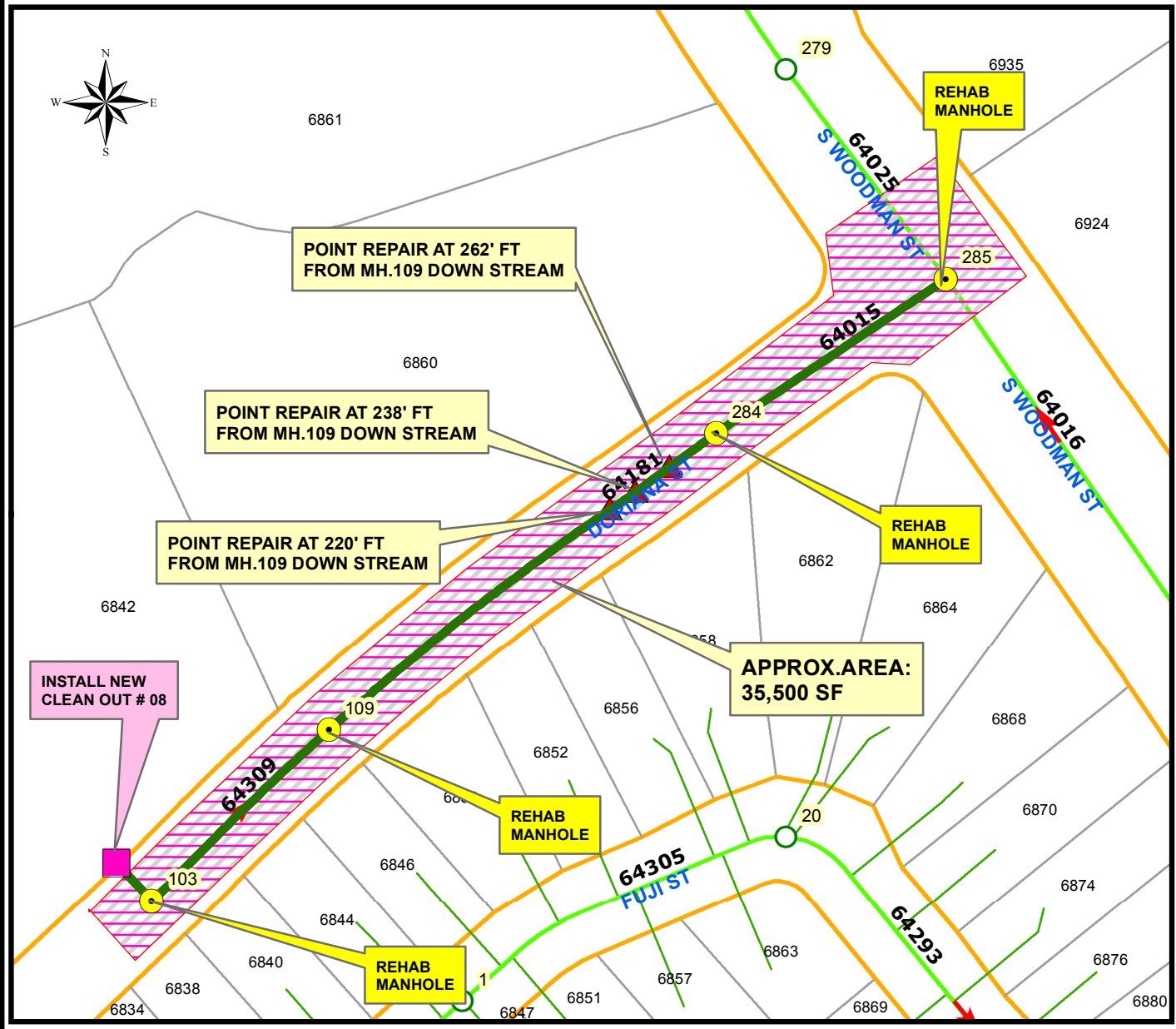
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SHEET 06

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
- Sewer Lateral Rehab
- 1234** Sewer Main FSN No.
- Sewer Manhole Replacement
- Sewer Main Rehab
- 123** Manhole MAP ID.
- Rehab Manhole
- Point Repair
- Right of Way
- Flow Direction Arrows
- TYPE I OVER TYPE II SLURRY
- Mains

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

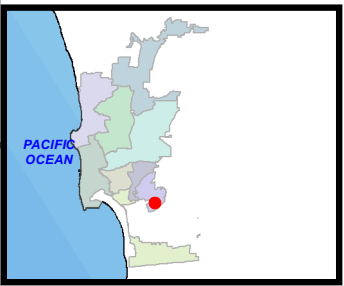
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 Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan



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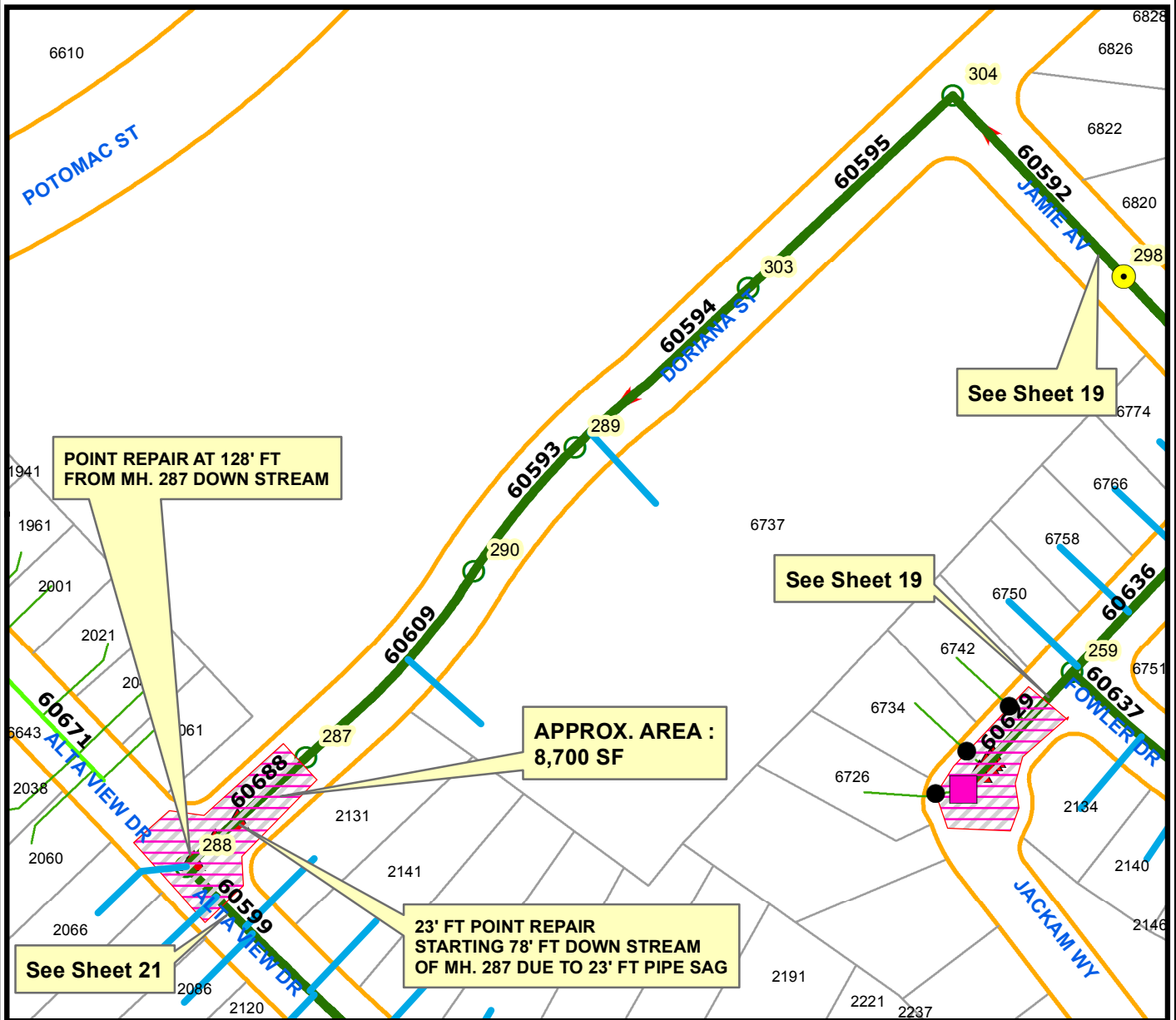
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SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- | | | | | | |
|--|----------------------------|--|----------------------|-------------|---------------------------|
| | Sewer Lateral With C/O | | Install New Cleanout | | EX Manholes |
| | New Manhole | | Sewer Lateral Rehab | 1234 | Sewer Main FSN No. |
| | Sewer Manhole Replacement | | Sewer Main Rehab | 123 | Manhole MAP ID. |
| | Rehab Manhole | | Point Repair | | Right of Way |
| | TYPE I OVER TYPE II SLURRY | | Mains | | Flow Direction Arrows |



COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

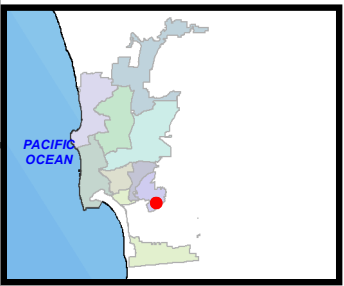
SAP ID: B16109

Date: March 30, 2016
 Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan

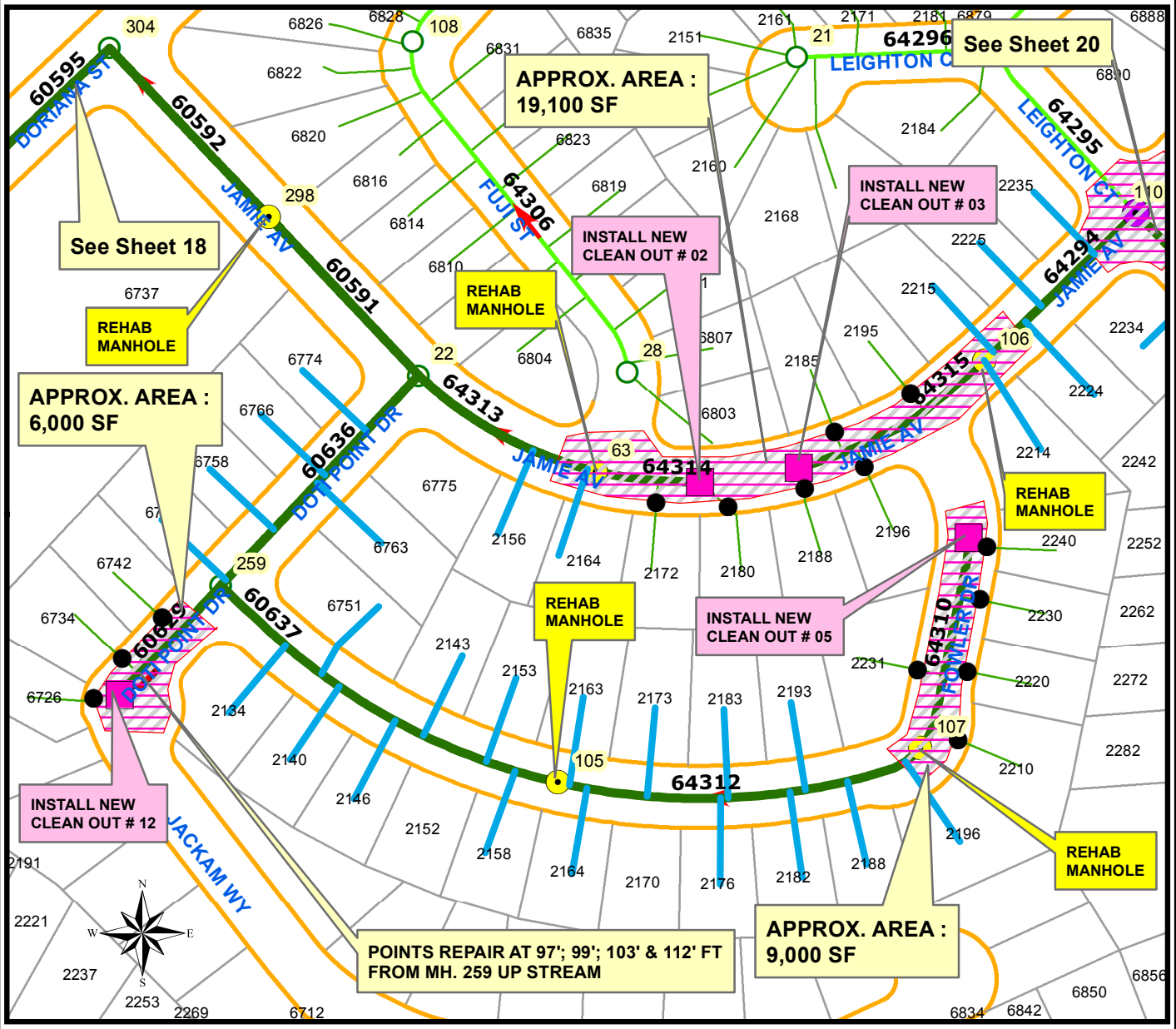


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The City of
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RESURFACING PLAN
SHEET 08

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Install New Cleanout
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- New Manhole
- Sewer Lateral Rehab
- 1234** Sewer Main FSN No.
- Sewer Manhole Replacement
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COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

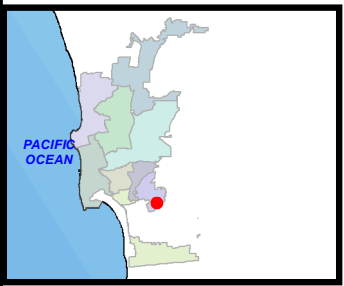
SAP ID: B16109

Date: March 30, 2016
 Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan



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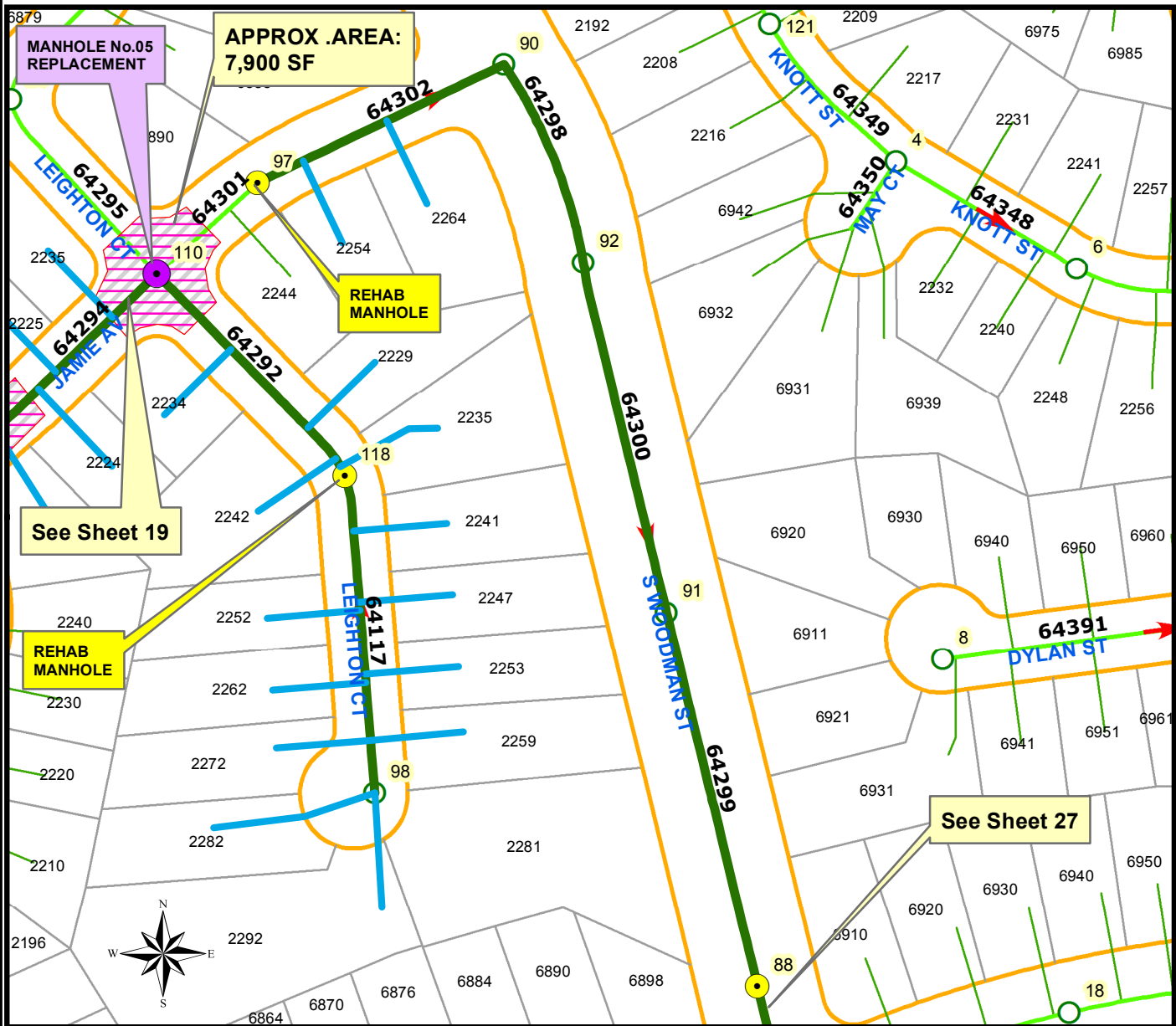
The City of
SAN DIEGO Public Works
RESURFACING PLAN
SHEET 09

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
- Sewer Lateral Rehab
- 1234** Sewer Main FSN No.
- Sewer Manhole Replacement
- Sewer Main Rehab
- Rehab Manhole
- TYPE I OVER TYPE II SLURRY
- 123** Manhole MAP ID.
- Flow Direction Arrows
- Mains
- Right of Way

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

SAP ID: B16109

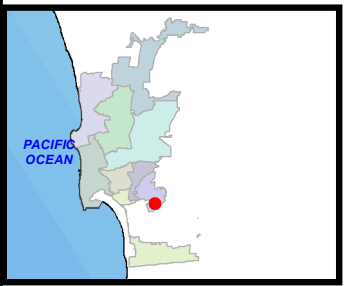
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Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan



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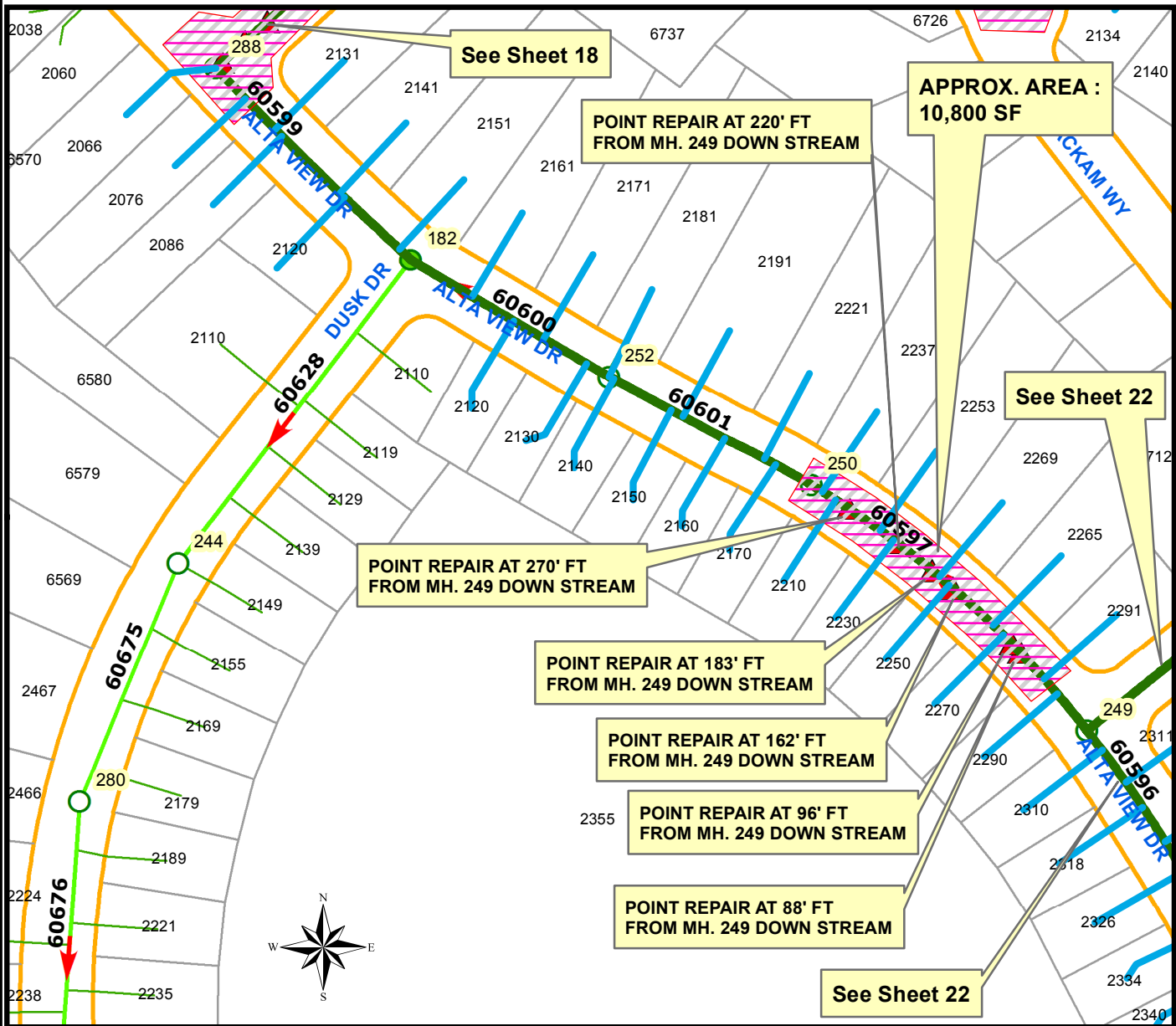
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NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- | | | | | | |
|--|----------------------------|--|----------------------|-------------|-----------------------|
| | Sewer Lateral With C/O | | Install New Cleanout | | EX Manholes |
| | New Manhole | | Sewer Lateral Rehab | 1234 | Sewer Main FSN No. |
| | Sewer Manhole Replacement | | Sewer Main Rehab | 123 | Manhole MAP ID. |
| | Rehab Manhole | | Point Repair | | Right of Way |
| | TYPE I OVER TYPE II SLURRY | | Mains | | Flow Direction Arrows |

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

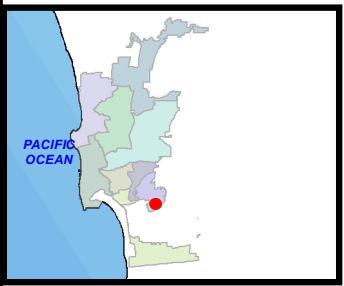
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 Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan



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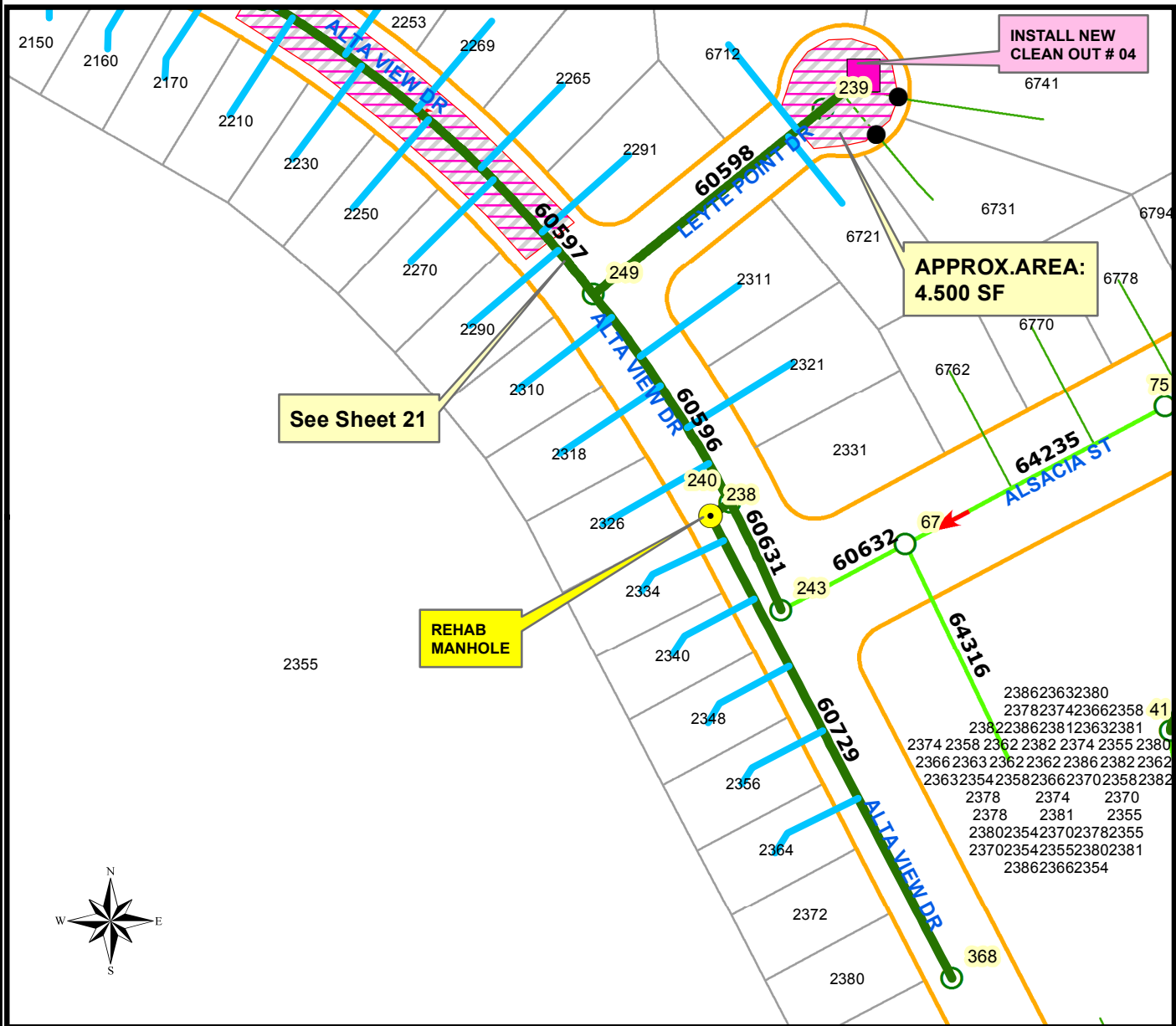
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SHEET 11

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
- Sewer Lateral Rehab
- 1234 Sewer Main FSN No.**
- Sewer Manhole Replacement
- Sewer Main Rehab
- Rehab Manhole
- TYPE I OVER TYPE II SLURRY
- 123 Manhole MAP ID.**
- Flow Direction Arrows
- Mains
- Right of Way

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

SAP ID: B16109

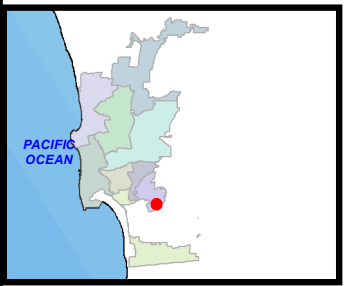
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Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan



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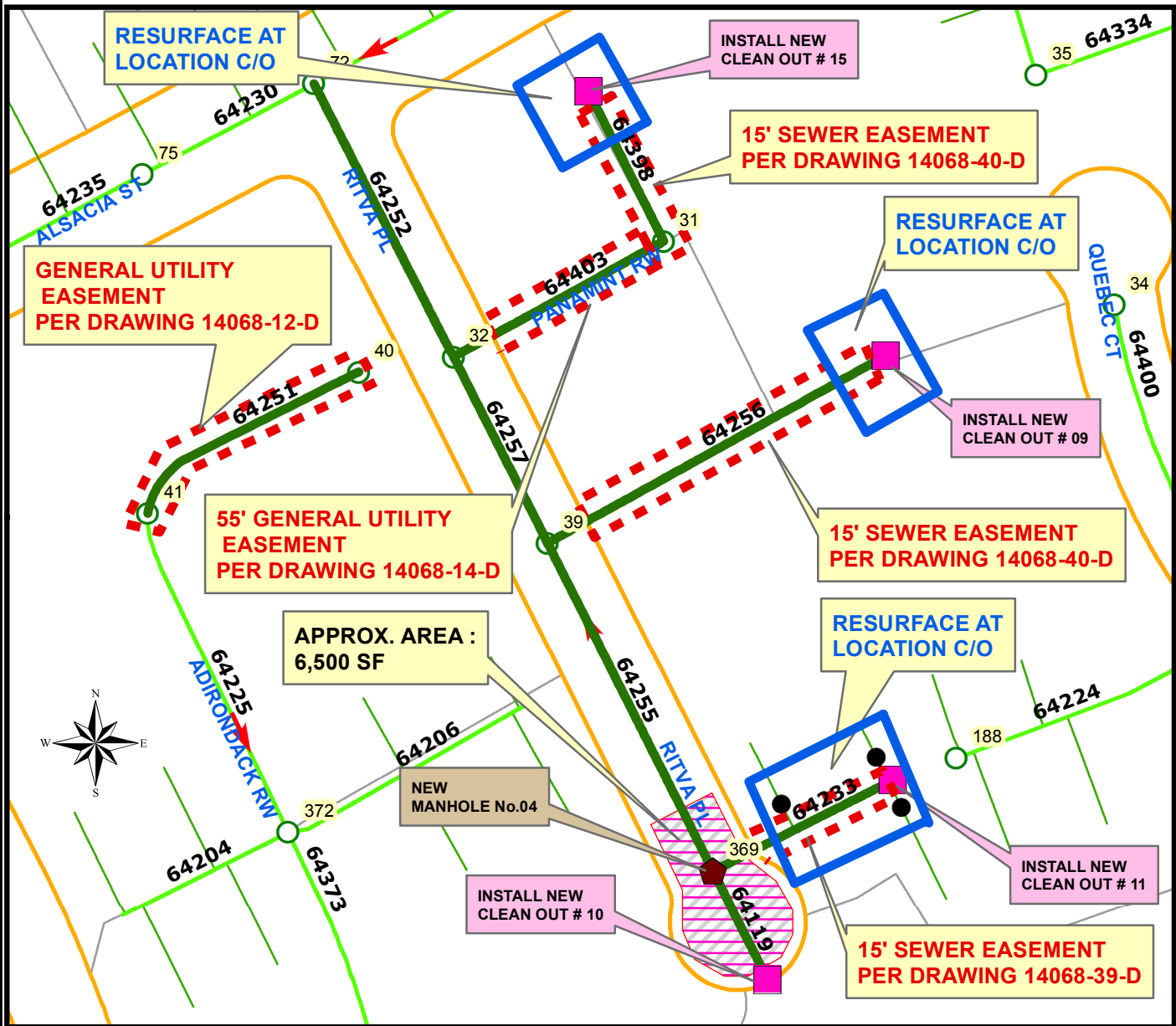
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SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Ex. Easement
- New Manhole
- Sewer Manhole Replacement
- Rehab Manhole
- Install New Cleanout
- Sewer Lateral Rehab
- Sewer Main Rehab
- TYPE I OVER TYPE II SLURRY
- Mains
- Right of Way
- EX Manholes
- 1234 Sewer Main FSN No.**
- 123 Manhole MAP ID.**
- Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

SAP ID: B16109

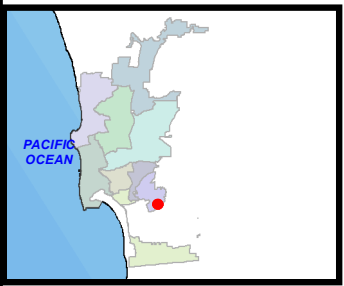
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Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan

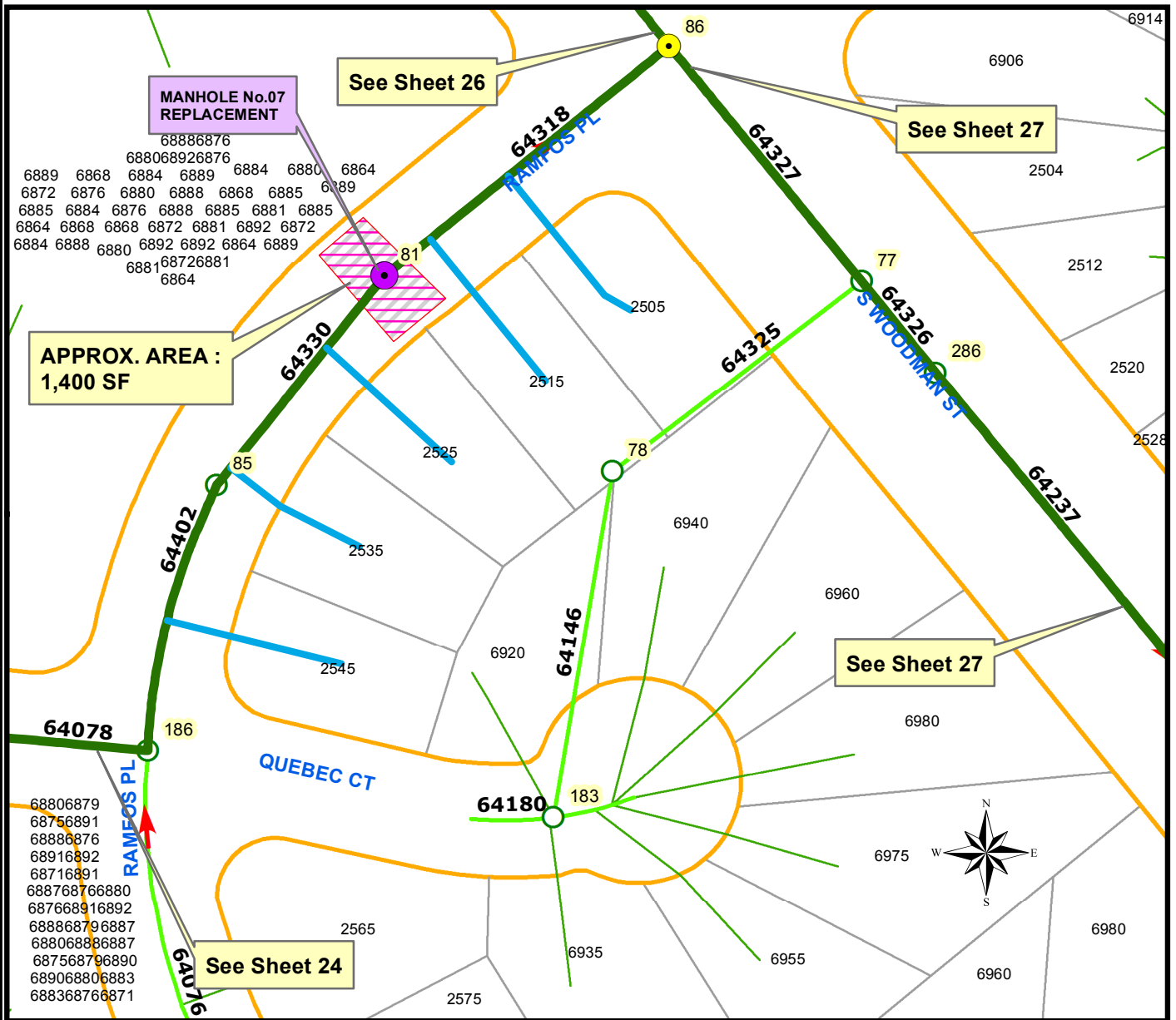


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SHEET 13

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- New Manhole
- Sewer Manhole Replacement
- Rehab Manhole
- ↑ Flow Direction Arrows
- Install New Cleanout
- Sewer Lateral Rehab
- Sewer Main Rehab
- TYPE I OVER TYPE II SLURRY
- Mains
- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.
- Right of Way

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

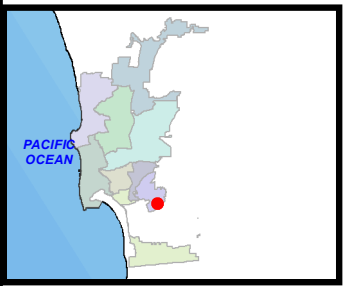
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 Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan



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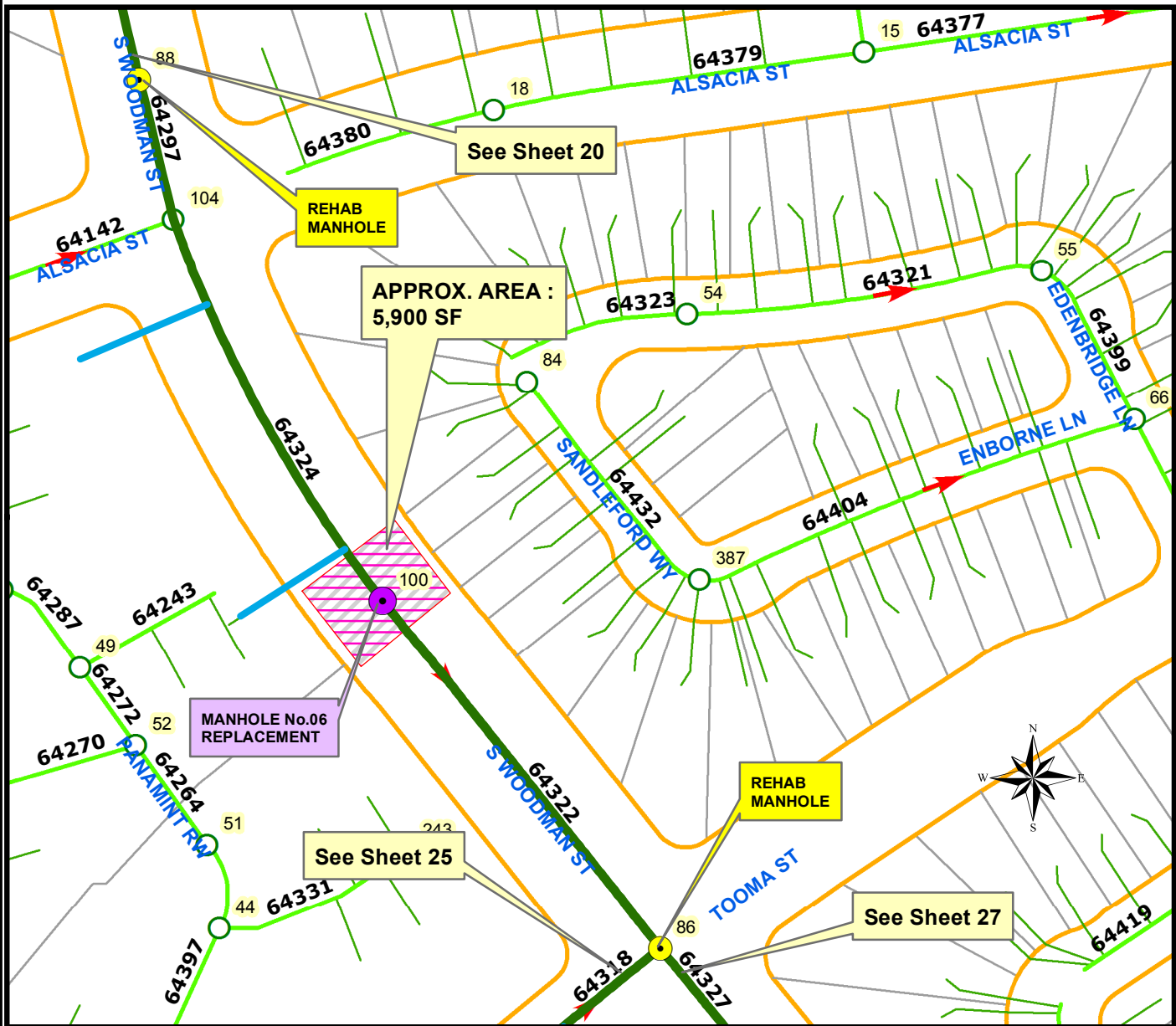
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SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- New Manhole
- Sewer Manhole Replacement
- Rehab Manhole
- Flow Direction Arrows
- Install New Cleanout
- Sewer Lateral Rehab
- Sewer Main Rehab
- TYPE I OVER TYPE II SLURRY
- Mains
- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.
- Right of Way

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

SAP ID: B16109

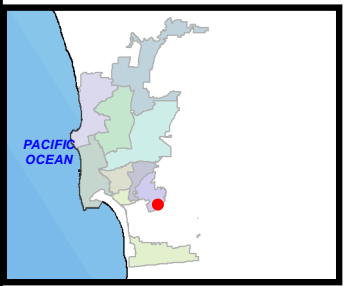
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Appendix L - Resurfacing Plan

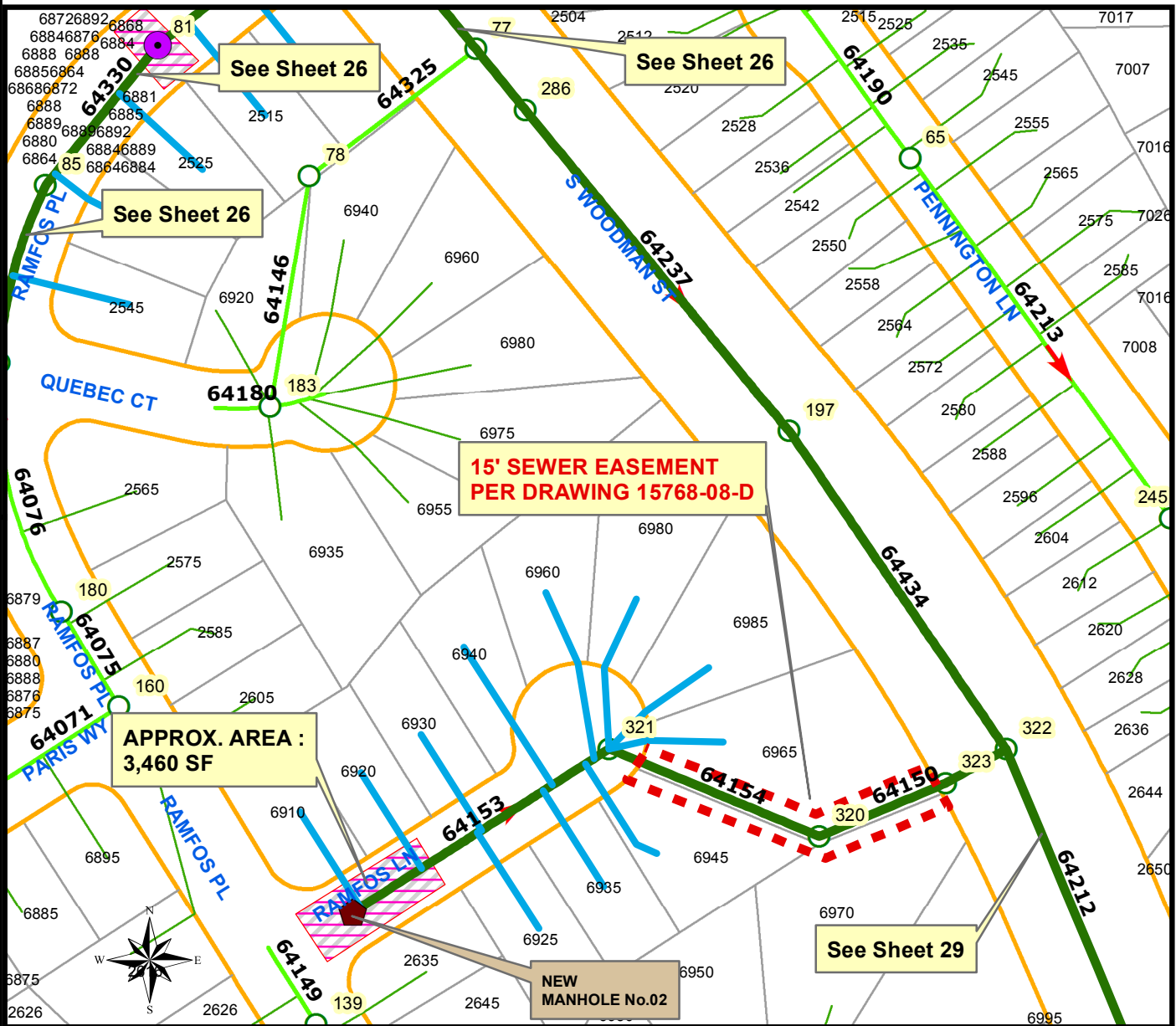


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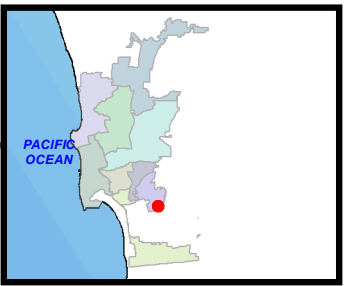
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 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Install New Cleanout
- Right of Way
- Ex. Easement
- Sewer Lateral Rehab
- EX Manholes
- New Manhole
- Sewer Main Rehab
- Sewer Manhole Replacement
- TYPE I OVER TYPE II SLURRY
- Mains
- Rehab Manhole
- 123 Manhole MAP ID.
- Flow Direction Arrows

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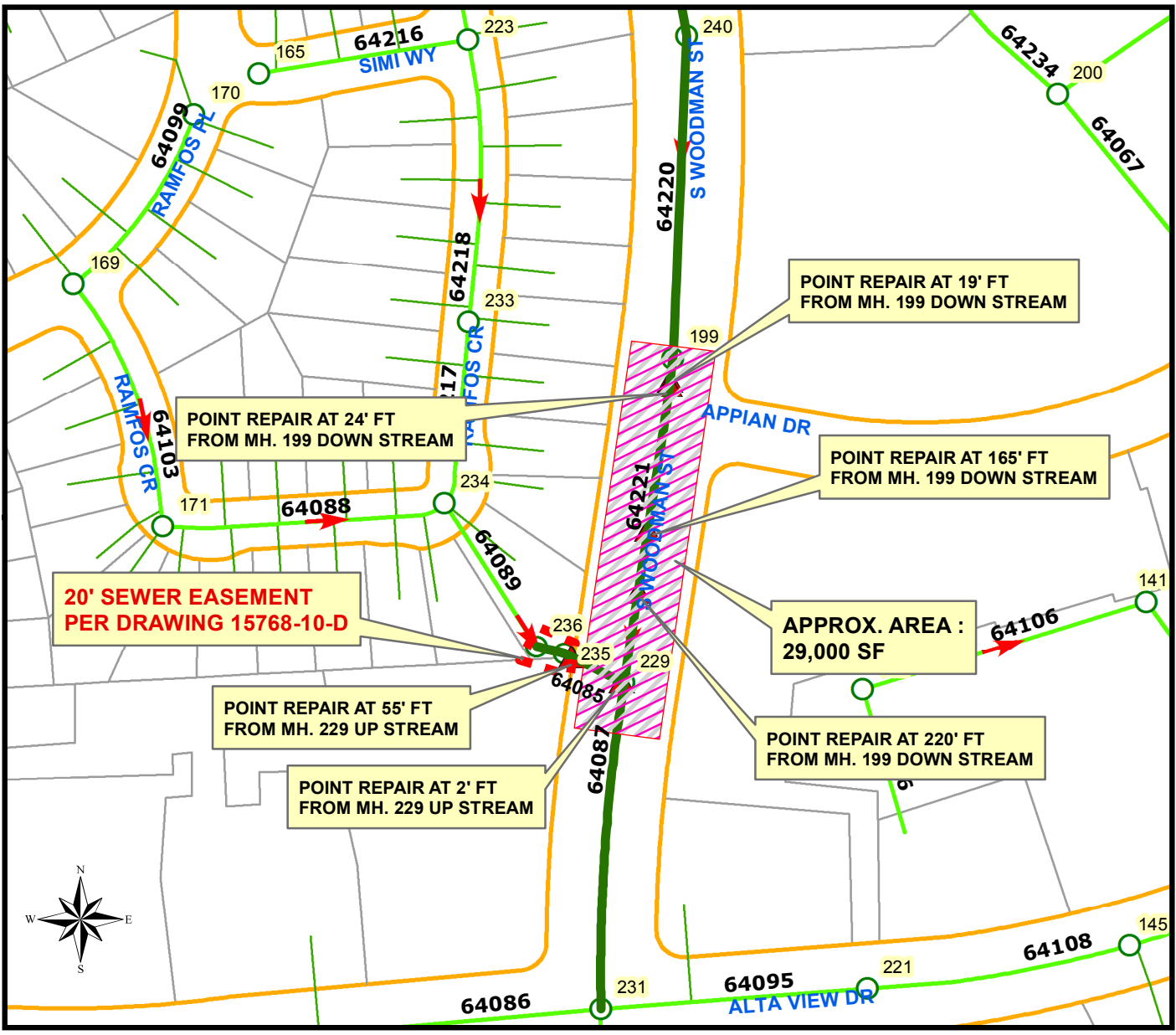
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SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Ex. Easement
- New Manhole
- Sewer Manhole Replacement
- TYPE I OVER TYPE II SLURRY
- Install New Cleanout
- Sewer Lateral Rehab
- Sewer Main Rehab
- Point Repair
- Mains
- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.
- Right of Way
- Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

SAP ID: B16109

Date: March 30, 2016
 Pipeline Rehabilitation AK-1

Appendix L - Resurfacing Plan



APPENDIX M

SEWER LATERAL SCOPE OF WORK

SEWER LATERAL SCOPE OF WORK

Rehab No./Plan Sheet No.	FSN	SEWER LATERAL FSN	THOMAS BROTHERS	LATERAL SIZE (IN)	LATERAL PROPERTY ADDRESS	APPROX. LATERAL LENGTH (FT)	Lateral Scope
Rehab 11 of 30	63949	267717	1290G6	4	7163 BROOKHAVEN RD	75	Sewer Lateral Rehab
Rehab 11 of 30	63949	366704	1290F5	4	7164 BROOKHAVEN RD	45	Sewer Lateral Rehab
Rehab 12 of 30	63834	366139	1290G5	4	321 KINGSWOOD ST	30	Sewer Lateral Rehab
Rehab 12 of 30	63834	266687	1290G5	4	306 KINGSWOOD ST	30	Sewer Lateral Rehab
Rehab 12 of 30	63834	366120	1290G5	4	307 KINGSWOOD ST	30	Sewer Lateral Rehab
Rehab 12 of 30	63834	366099	1290G5	4	316 KINGSWOOD ST	30	Sewer Lateral Rehab
Rehab 12 of 30	63836	366252	1290G5	4	354 KINGSWOOD ST	30	Sewer Lateral w/ Cleanout
Rehab 12 of 30	63836	366116	1290G5	4	326 KINGSWOOD ST	30	Sewer Lateral w/ Cleanout
Rehab 12 of 30	63836	266824	1290G5	4	344 KINGSWOOD ST	30	Sewer Lateral w/ Cleanout
Rehab 12 of 30	63836	366202	1290G5	4	337 KINGSWOOD ST	30	Sewer Lateral w/ Cleanout
Rehab 12 of 30	63836	366154	1290G5	4	334 KINGSWOOD ST	30	Sewer Lateral w/ Cleanout
Rehab 12 of 30	63836	267037	1290G5	4	364 KINGSWOOD ST	30	Sewer Lateral w/ Cleanout
Rehab 12 of 30	63836	267026	1290G5	4	353 KINGSWOOD ST	30	Sewer Lateral w/ Cleanout
Rehab 12 of 30	63836	267071	1290G5	4	365 KINGSWOOD ST	30	Sewer Lateral w/ Cleanout
Rehab 03 of 30	63497	362995	1290H4	4	130 CEDARIDGE DR	30	Sewer Lateral Rehab
Rehab 03 of 30	63497	362931	1290H4	4	116 CEDARIDGE DR	25	Sewer Lateral Rehab
Rehab 03 of 30	63497	262081	1290H4	4	144 CEDARIDGE DR	25	Sewer Lateral Rehab
Rehab 03 of 30	63497	262176	1290H4	4	159 CEDARIDGE DR	25	Sewer Lateral Rehab
Rehab 03 of 30	63497	262207	1290H4	4	172 CEDARIDGE DR	25	Sewer Lateral Rehab
Rehab 03 of 30	63497	363231	1290H4	4	173 CEDARIDGE DR	50	Sewer Lateral Rehab
Rehab 03 of 30	63497	261719	1290H4	4	102 CEDARIDGE DR	25	Sewer Lateral Rehab
Rehab 02 of 30	63407	262724	1290H4	4	204 FLOWERDALE LN	20	Sewer Lateral Rehab
Rehab 02 of 30	63407	363515	1290H4	4	211 FLOWERDALE LN	40	Sewer Lateral Rehab
Rehab 02 of 30	63491	262007	1290H4	4	126 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63491	362912	1290H4	4	118 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63491	363101	1290H4	4	133 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63491	363057	1290H4	4	125 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63491	363081	1290H4	4	134 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63491	362942	1290H4	4	117 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63491	261744	1290H4	4	110 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63491	362895	1290H4	4	109 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63491	261613	1290H4	4	102 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63491	362815	1290H4	4	101 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 13 of 30	63857	267605	1290G5	4	7205 BROOKHAVEN RD	40	Sewer Lateral Rehab
Rehab 13 of 30	63857	267372	1290G5	4	7216 BROOKHAVEN RD	40	Sewer Lateral Rehab
Rehab 13 of 30	63857	267338	1290G5	4	7226 BROOKHAVEN RD	40	Sewer Lateral Rehab
Rehab 13 of 30	63857	267547	1290G5	4	7235 BROOKHAVEN RD	40	Sewer Lateral Rehab
Rehab 13 of 30	63857	366639	1290G5	4	7225 BROOKHAVEN RD	40	Sewer Lateral Rehab
Rehab 13 of 30	63857	366508	1290G5	4	7206 BROOKHAVEN RD	40	Sewer Lateral Rehab
Rehab 13 of 30	63857	267575	1290G5	4	7215 BROOKHAVEN RD	40	Sewer Lateral Rehab
Rehab 19 of 30	64314	270368	1290F7	4	2180 JAMIE AV	40	Sewer Lateral w/ Cleanout
Rehab 19 of 30	64314	270370	1290F7	4	2172 JAMIE AV	30	Sewer Lateral w/ Cleanout
Rehab 27 of 30	64154	271045	1290F7	4	6980 RAMFOS LN	50	Sewer Lateral Rehab

Rehab 27 of 30	64154	271043	1290F7	4	6965 RAMFOS LN	40	Sewer Lateral Rehab
Rehab 27 of 30	64154	271044	1290F7	4	6985 RAMFOS LN	40	Sewer Lateral Rehab
Rehab 22 of 30	60729	270787	1290F7	4	2334 ALTA VIEW DR	70	Sewer Lateral Rehab
Rehab 22 of 30	60729	270800	1290F7	4	2340 ALTA VIEW DR	70	Sewer Lateral Rehab
Rehab 22 of 30	60729	270820	1290F7	4	2348 ALTA VIEW DR	70	Sewer Lateral Rehab
Rehab 22 of 30	60729	368760	1290F7	4	2356 ALTA VIEW DR	70	Sewer Lateral Rehab
Rehab 22 of 30	60729	270869	1290F7	4	2364 ALTA VIEW DR	70	Sewer Lateral Rehab
Rehab 19 of 30	64315	270312	1290F7	4	2214 JAMIE AV	30	Sewer Lateral w/ Cleanout
Rehab 19 of 30	64315	270349	1290F7	4	2196 JAMIE AV	30	Sewer Lateral w/ Cleanout
Rehab 19 of 30	64315	368340	1290F7	4	2195 JAMIE AV	30	Sewer Lateral w/ Cleanout
Rehab 19 of 30	64315	270316	1290F7	4	2185 JAMIE AV	30	Sewer Lateral w/ Cleanout
Rehab 19 of 30	64315	270361	1290F7	4	2188 JAMIE AV	30	Sewer Lateral w/ Cleanout
Rehab 22 of 30	60726	270647	1290F7	4	6741 LEYTE POINT DR	45	Sewer Lateral w/ Cleanout
Rehab 22 of 30	60726	270664	1290F7	4	6731 LEYTE POINT DR	45	Sewer Lateral w/ Cleanout
Rehab 13 of 30	63858	267547	1290G5	4	7235 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 13 of 30	63858	366609	1290G5	4	7245 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 13 of 30	63858	267309	1290G5	4	7254 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 13 of 30	63858	267291	1290G5	4	7278 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 13 of 30	63858	366560	1290G5	4	7279 BROOKHAVEN RD	30	Sewer Lateral Rehab
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Rehab 13 of 30	63858	366567	1290G5	4	7271 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 13 of 30	63858	267459	1290G5	4	7287 BROOKHAVEN RD	50	Sewer Lateral Rehab
Rehab 13 of 30	63858	366588	1290G5	4	7255 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 13 of 30	63858	267303	1290G5	4	7262 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 13 of 30	63858	267482	1290G5	4	7263 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 13 of 30	63858	267299	1290G5	4	7270 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 12 of 30	63833	266305	1290G5	4	285 SUNSWEPT ST	45	Sewer Lateral Rehab
Rehab 12 of 30	63833	266439	1290G5	4	303 SUNSWEPT ST	30	Sewer Lateral Rehab
Rehab 12 of 30	63833	365947	1290G5	4	311 SUNSWEPT ST	30	Sewer Lateral Rehab
Rehab 12 of 30	63833	266304	1290G5	4	295 SUNSWEPT ST	30	Sewer Lateral Rehab
Rehab 12 of 30	63833	266617	1290G5	4	319 SUNSWEPT ST	30	Sewer Lateral Rehab
Rehab 03 of 30	66000	362836	1290H4	4	127 WEDGEWOOD DR	20	Sewer Lateral Rehab
Rehab 03 of 30	66000	261599	1290H4	4	136 WEDGEWOOD DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66000	362772	1290H4	4	126 WEDGEWOOD DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66000	362717	1290H4	4	146 WEDGEWOOD DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66000	362785	1290H4	4	120 SEARS AV	20	Sewer Lateral Rehab
Rehab 02 of 30	63408	262798	1290H4	4	198 COOLWATER DR	20	Sewer Lateral Rehab
Rehab 02 of 30	63408	363465	1290H4	4	182 COOLWATER DR	20	Sewer Lateral Rehab
Rehab 02 of 30	63408	363519	1290H4	4	190 COOLWATER DR	20	Sewer Lateral Rehab
Rehab 02 of 30	63408	363381	1290H4	4	166 COOLWATER DR	20	Sewer Lateral Rehab
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Rehab 27 of 30	64153	368922	1290F7	4	6945 RAMFOS LN	25	Sewer Lateral Rehab
Rehab 27 of 30	64153	271051	1290F7	4	6960 RAMFOS LN	65	Sewer Lateral Rehab
Rehab 27 of 30	64153	271045	1290F7	4	6980 RAMFOS LN	50	Sewer Lateral Rehab
Rehab 27 of 30	64153	368939	1290F7	4	6925 RAMFOS LN	25	Sewer Lateral Rehab
Rehab 27 of 30	64153	368929	1290F7	4	6935 RAMFOS LN	25	Sewer Lateral Rehab

Rehab 27 of 30	64153	271043	1290F7	4	6965 RAMFOS LN	25	Sewer Lateral Rehab
Rehab 27 of 30	64153	368913	1290F7	4	6930 RAMFOS LN	25	Sewer Lateral Rehab
Rehab 27 of 30	64153	271059	1290F7	4	6940 RAMFOS LN	50	Sewer Lateral Rehab
Rehab 27 of 30	64153	271044	1290F7	4	6985 RAMFOS LN	25	Sewer Lateral Rehab
Rehab 27 of 30	64153	368933	1290F7	4	6910 RAMFOS LN	25	Sewer Lateral Rehab
Rehab 27 of 30	64153	271085	1290F7	4	6920 RAMFOS LN	25	Sewer Lateral Rehab
Rehab 19 of 30	64310	270469	1290F7	4	2210 FOWLER DR	30	Sewer Lateral w/ Cleanout
Rehab 19 of 30	64310	270433	1290F7	4	2220 FOWLER DR	30	Sewer Lateral w/ Cleanout
Rehab 19 of 30	64310	368448	1290F7	4	2231 FOWLER DR	30	Sewer Lateral w/ Cleanout
Rehab 19 of 30	64310	368421	1290F7	4	2230 FOWLER DR	30	Sewer Lateral w/ Cleanout
Rehab 19 of 30	64310	270359	1290F7	4	2240 FOWLER DR	30	Sewer Lateral w/ Cleanout
Rehab 01 of 30	63511	260834	1290H4	4	8053 GRIBBLE ST	25	Sewer Lateral w/ Cleanout
Rehab 01 of 30	63510	362296	1290H4	4	204 MIDDLEBUSH DR	25	Sewer Lateral w/ Cleanout
Rehab 19 of 30	64312	270512	1290F7	4	2164 FOWLER DR	30	Sewer Lateral Rehab
Rehab 19 of 30	64312	368481	1290F7	4	2173 FOWLER DR	30	Sewer Lateral Rehab
Rehab 19 of 30	64312	270475	1290F7	4	2163 FOWLER DR	30	Sewer Lateral Rehab
Rehab 19 of 30	64312	368508	1290F7	4	2188 FOWLER DR	30	Sewer Lateral Rehab
Rehab 19 of 30	64312	368500	1290F7	4	2196 FOWLER DR	30	Sewer Lateral Rehab
Rehab 19 of 30	64312	270514	1290F7	4	2182 FOWLER DR	30	Sewer Lateral Rehab
Rehab 19 of 30	64312	270476	1290F7	4	2193 FOWLER DR	30	Sewer Lateral Rehab
Rehab 19 of 30	64312	368484	1290F7	4	2183 FOWLER DR	30	Sewer Lateral Rehab
Rehab 19 of 30	64312	368514	1290F7	4	2176 FOWLER DR	30	Sewer Lateral Rehab
Rehab 03 of 30	65960	363512	1290H4	4	216 S ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 03 of 30	65960	363430	1290H4	4	186 S ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 03 of 30	65960	363489	1290H4	4	187 S ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 03 of 30	65960	363274	1290H4	4	162 S ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 03 of 30	65960	262504	1290H4	4	177 S ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 03 of 30	65960	262416	1290H4	4	165 S ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 03 of 30	65960	262457	1290H4	4	174 S ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 08 of 30	63765	366348	1290G5	4	7544 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 08 of 30	63765	267211	1290G5	4	7532 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 08 of 30	63765	267257	1290G5	4	7539 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 08 of 30	63765	267172	1290G5	4	7538 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 08 of 30	63765	366436	1290G5	4	7533 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 08 of 30	63765	366318	1290G5	4	7550 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 08 of 30	63765	366368	1290H5	4	7551 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 08 of 30	63765	366307	1290G5	4	7556 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 08 of 30	63765	267123	1290H5	4	7557 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 08 of 30	63765	366386	1290G5	4	7543 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 02 of 30	63414	262798	1290H4	4	198 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63414	262864	1290H4	4	209 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63414	363569	1290H4	4	210 COOLWATER DR	45	Sewer Lateral Rehab
Rehab 02 of 30	63414	262832	1290H4	4	202 COOLWATER DR	45	Sewer Lateral Rehab
Rehab 02 of 30	63414	363688	1290H4	4	227 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63414	263083	1290H4	4	226 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63414	262999	1290H4	4	218 COOLWATER DR	30	Sewer Lateral Rehab

Rehab 04 of 30	63450	264032	1290H5	4	239 ARROWWOOD DR	30	Sewer Lateral Rehab
Rehab 04 of 30	63450	364296	1290H5	4	236 ARROWWOOD DR	30	Sewer Lateral Rehab
Rehab 04 of 30	63450	264285	1290H5	4	260 ARROWWOOD DR	30	Sewer Lateral Rehab
Rehab 04 of 30	63450	264195	1290H5	4	248 ARROWWOOD DR	30	Sewer Lateral Rehab
Rehab 04 of 30	63450	264171	1290H5	4	251 ARROWWOOD DR	30	Sewer Lateral Rehab
Rehab 04 of 30	63451	264224	1290G5	4	7757 GOLDCREST LN	35	Sewer Lateral Rehab
Rehab 04 of 30	63451	264071	1290G5	4	7754 GOLDCREST LN	35	Sewer Lateral Rehab
Rehab 04 of 30	63451	264050	1290G5	4	7764 GOLDCREST LN	35	Sewer Lateral Rehab
Rehab 04 of 30	63451	364209	1290G5	4	7794 GOLDCREST LN	35	Sewer Lateral Rehab
Rehab 04 of 30	63451	236960	1290G5	4	7784 GOLDCREST LN	35	Sewer Lateral Rehab
Rehab 04 of 30	63451	364339	1290G5	4	7777 GOLDCREST LN	35	Sewer Lateral Rehab
Rehab 04 of 30	63451	264009	1290G5	4	7774 GOLDCREST LN	35	Sewer Lateral Rehab
Rehab 04 of 30	63451	364362	1290G5	4	7767 GOLDCREST LN	35	Sewer Lateral Rehab
Rehab 01 of 30	63394	362822	1290H4	4	7939 GRIBBLE ST	30	Sewer Lateral Rehab
Rehab 01 of 30	63394	261600	1290H4	4	7951 GRIBBLE ST	30	Sewer Lateral Rehab
Rehab 01 of 30	63394	362731	1290H4	4	7946 GRIBBLE ST	30	Sewer Lateral Rehab
Rehab 01 of 30	63394	362646	1290H4	4	7960 GRIBBLE ST	30	Sewer Lateral Rehab
Rehab 01 of 30	63394	261506	1290H4	4	7963 GRIBBLE ST	30	Sewer Lateral Rehab
Rehab 01 of 30	63394	261355	1290H4	4	7972 GRIBBLE ST	30	Sewer Lateral Rehab
Rehab 01 of 30	63394	261375	1290H4	4	7975 GRIBBLE ST	30	Sewer Lateral Rehab
Rehab 01 of 30	63394	362491	1290H4	4	8018 GRIBBLE ST	30	Sewer Lateral Rehab
Rehab 01 of 30	63394	362567	1290H4	4	8009 GRIBBLE ST	30	Sewer Lateral Rehab
Rehab 01 of 30	63394	261275	1290H4	4	8008 GRIBBLE ST	30	Sewer Lateral Rehab
Rehab 01 of 30	63394	362503	1290H4	4	8017 GRIBBLE ST	30	Sewer Lateral Rehab
Rehab 02 of 30	63410	262343	1290H4	4	158 COOLWATER DR	20	Sewer Lateral Rehab
Rehab 02 of 30	63410	262415	1290H4	4	157 COOLWATER DR	35	Sewer Lateral Rehab
Rehab 02 of 30	63410	363398	1290H4	4	165 COOLWATER DR	35	Sewer Lateral Rehab
Rehab 02 of 30	63410	363185	1290H4	4	150 COOLWATER DR	20	Sewer Lateral Rehab
Rehab 02 of 30	63410	363168	1290H4	4	141 COOLWATER DR	35	Sewer Lateral Rehab
Rehab 02 of 30	63410	262183	1290H4	4	142 COOLWATER DR	35	Sewer Lateral Rehab
Rehab 02 of 30	63410	262278	1290H4	4	149 COOLWATER DR	35	Sewer Lateral Rehab
Rehab 03 of 30	63430	264904	1290H5	4	7821 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 03 of 30	63430	264982	1290H5	4	7811 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 03 of 30	63430	364827	1290H5	4	293 WOODWAY CT	30	Sewer Lateral Rehab
Rehab 03 of 30	63430	264834	1290H5	4	7829 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 03 of 30	63430	364738	1290H5	4	298 ARROWWOOD DR	30	Sewer Lateral Rehab
Rehab 03 of 30	63430	264744	1290H5	4	7837 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 03 of 30	63430	264684	1290H5	4	7849 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 01 of 30	63434	364450	1290G5	4	7718 GOLDCREST LN	35	Sewer Lateral Rehab
Rehab 01 of 30	63434	364493	1290G5	4	7704 GOLDCREST LN	35	Sewer Lateral Rehab
Rehab 01 of 30	63434	264362	1290G5	4	7731 GOLDCREST LN	25	Sewer Lateral Rehab
Rehab 01 of 30	63434	364396	1290G5	4	7732 GOLDCREST LN	35	Sewer Lateral Rehab
Rehab 01 of 30	63434	364351	1290G5	4	7744 GOLDCREST LN	25	Sewer Lateral Rehab
Rehab 01 of 30	63434	364428	1290G5	4	7745 GOLDCREST LN	35	Sewer Lateral Rehab
Rehab 01 of 30	63496	261047	1290H4	4	8026 GRIBBLE ST	45	Sewer Lateral Rehab
Rehab 01 of 30	63496	260979	1290H4	4	8033 GRIBBLE ST	45	Sewer Lateral Rehab

Rehab 01 of 30	63496	362411	1290H4	4	8025 GRIBBLE ST	45	Sewer Lateral Rehab
Rehab 01 of 30	63496	260896	1290H4	4	8041 GRIBBLE ST	45	Sewer Lateral Rehab
Rehab 07 of 30	63874	266110	1290G5	4	311 ROSEBUD LN	30	Sewer Lateral Rehab
Rehab 07 of 30	63874	365684	1290G5	4	323 ROSEBUD LN	20	Sewer Lateral Rehab
Rehab 07 of 30	63874	266132	1290G5	4	333 ROSEBUD LN	30	Sewer Lateral Rehab
Rehab 07 of 30	63874	266223	1290G5	4	350 ROSEBUD LN	20	Sewer Lateral Rehab
Rehab 07 of 30	63874	365718	1290G5	4	345 ROSEBUD LN	30	Sewer Lateral Rehab
Rehab 07 of 30	63874	266211	1290G5	4	369 ROSEBUD LN	20	Sewer Lateral Rehab
Rehab 07 of 30	63874	365736	1290G5	4	357 ROSEBUD LN	30	Sewer Lateral Rehab
Rehab 03 of 30	66045	363150	1290H4	4	138 S ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66045	262236	1290H4	4	141 S ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66045	363211	1290H4	4	150 S ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66045	262300	1290H4	4	153 S ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66045	262068	1290H4	4	117 S ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66045	363150	1290H4	4	138 S ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66045	363098	1290H4	4	126 S ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66045	262138	1290H4	4	129 S ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66045	262032	1290H4	4	114 S ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66045	261849	1290H4	4	103 S ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66045	261967	1290H4	4	105 S ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 01 of 30	63483	363012	1290H4	4	7903 GRIBBLE ST	45	Sewer Lateral Rehab
Rehab 01 of 30	63483	362826	1290H4	4	7922 GRIBBLE ST	20	Sewer Lateral Rehab
Rehab 01 of 30	63483	362913	1290H4	4	7927 GRIBBLE ST	45	Sewer Lateral Rehab
Rehab 01 of 30	63483	362977	1290H4	4	7915 GRIBBLE ST	45	Sewer Lateral Rehab
Rehab 08 of 30	63768	366262	1290H5	4	7564 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 08 of 30	63768	267087	1290H5	4	7561 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 08 of 30	63768	366288	1290H5	4	7565 CAREYBROOK LN	10	Sewer Lateral Rehab
Rehab 08 of 30	63768	266995	1290H5	4	7569 CAREYBROOK LN	40	Sewer Lateral Rehab
Rehab 08 of 30	63768	266900	1290H5	4	7575 CAREYBROOK LN	50	Sewer Lateral Rehab
Rehab 09 of 30	66146	365945	1290H5	4	7829 PRAIRIE MOUND WY	25	Sewer Lateral Rehab
Rehab 09 of 30	66146	266518	1290H5	4	7841 PRAIRIE MOUND WY	25	Sewer Lateral Rehab
Rehab 09 of 30	66146	266468	1290H5	4	7820 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 09 of 30	66146	266280	1290H5	4	7844 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 09 of 30	66146	266380	1290H5	4	7832 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 09 of 30	66146	365723	1290H5	4	7868 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 09 of 30	66146	266383	1290H5	4	7853 PRAIRIE MOUND WY	25	Sewer Lateral Rehab
Rehab 09 of 30	66146	365756	1290H5	4	7856 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 09 of 30	66146	266146	1290H5	4	7880 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 05 of 30	63826	265717	1290G5	4	370 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63826	365489	1290H5	4	382 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63826	265628	1290H5	4	393 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63826	365494	1290H5	4	394 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 03 of 30	66042	261353	1290H4	4	179 ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 03 of 30	66042	362560	1290H4	4	156 ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 03 of 30	66042	261370	1290H4	4	169 ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 03 of 30	66042	362571	1290H4	4	189 ROYAL OAK DR	30	Sewer Lateral Rehab

Rehab 20 of 30	64117	368417	1290F7	4	2262 LEIGHTON CT	30	Sewer Lateral Rehab
Rehab 20 of 30	64117	270418	1290F7	4	2272 LEIGHTON CT	30	Sewer Lateral Rehab
Rehab 20 of 30	64117	368437	1290F7	4	2259 LEIGHTON CT	30	Sewer Lateral Rehab
Rehab 20 of 30	64117	270459	1290F7	4	2282 LEIGHTON CT	30	Sewer Lateral Rehab
Rehab 20 of 30	64117	270483	1290F7	6	2292 LEIGHTON CT	30	Sewer Lateral Rehab
Rehab 20 of 30	64117	368362	1290F7	4	2241 LEIGHTON CT	30	Sewer Lateral Rehab
Rehab 20 of 30	64117	270355	1290F7	4	2252 LEIGHTON CT	30	Sewer Lateral Rehab
Rehab 20 of 30	64117	270379	1290F7	4	2253 LEIGHTON CT	30	Sewer Lateral Rehab
Rehab 20 of 30	64117	270346	1290F7	4	2247 LEIGHTON CT	30	Sewer Lateral Rehab
Rehab 09 of 30	63801	366012	1290H5	4	7766 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 09 of 30	63801	266684	1290H5	4	7761 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 09 of 30	63801	266576	1290H5	4	7778 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 09 of 30	63801	366041	1290H5	4	7754 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 09 of 30	63801	266652	1290H5	4	7773 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 09 of 30	63801	266551	1290H5	4	7808 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 09 of 30	63801	266623	1290H5	4	7805 PRAIRIE MOUND WY	35	Sewer Lateral Rehab
Rehab 09 of 30	63801	266580	1290H5	4	7817 PRARIE MOUND WY	35	Sewer Lateral Rehab
Rehab 19 of 30	64313	270362	1290F7	4	2164 JAMIE AV	30	Sewer Lateral Rehab
Rehab 19 of 30	64313	368378	1290F7	4	2156 JAMIE AV	30	Sewer Lateral Rehab
Rehab 05 of 30	63443	265151	1290G5	4	251 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63443	365017	1290G5	4	239 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63443	265120	1290G5	4	228 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63443	265187	1290G5	4	240 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63443	364958	1290G5	4	227 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63443	265052	1290G5	4	216 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63880	365673	1290G5	4	294 LEDGEWOOD LN	25	Sewer Lateral Rehab
Rehab 15 of 30	63880	266103	1290G5	4	297 LEDGEWOOD LN	35	Sewer Lateral Rehab
Rehab 15 of 30	63880	365646	1290G5	4	287 LEDGEWOOD LN	35	Sewer Lateral Rehab
Rehab 15 of 30	63880	265978	1290G5	4	275 LEDGEWOOD LN	35	Sewer Lateral Rehab
Rehab 15 of 30	63880	365598	1290G5	4	264 LEDGEWOOD LN	25	Sewer Lateral Rehab
Rehab 15 of 30	63880	365628	1290G5	4	276 LEDGEWOOD LN	25	Sewer Lateral Rehab
Rehab 15 of 30	63880	266135	1290G5	4	304 LEDGEWOOD LN	35	Sewer Lateral Rehab
Rehab 15 of 30	63868	365336	1290G5	4	202 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 03 of 30	66048	362784	1290H4	4	123 ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66048	261686	1290H4	4	106 ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66048	362841	1290H4	4	113 ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66048	261468	1290H4	4	126 ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 03 of 30	66048	362742	1290H4	4	116 ROYAL OAK DR	35	Sewer Lateral Rehab
Rehab 23 of 30	64233	270923	1290F7	4	6816 QUEBEC CT	60	Sewer Lateral w/ Cleanout
Rehab 23 of 30	64233	270913	1290F7	4	6816 QUEBEC CT	60	Sewer Lateral w/ Cleanout
Rehab 23 of 30	64233	368829	1290F7	4	6816 QUEBEC CT	60	Sewer Lateral w/ Cleanout
Rehab 03 of 30	66047	261415	1290H4	4	136 ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 03 of 30	66047	362712	1290H4	4	139 ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 03 of 30	66047	362675	1290H4	4	159 ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 03 of 30	66047	261318	1290H4	4	146 ROYAL OAK DR	30	Sewer Lateral Rehab
Rehab 20 of 30	64292	270269	1290F7	4	2234 JAMIE AV	30	Sewer Lateral Rehab

Rehab 20 of 30	64292	270277	1290F7	2	2229 LEIGHTON CT	30	Sewer Lateral Rehab
Rehab 20 of 30	64292	270292	1290F7	4	2235 LEIGHTON CT	30	Sewer Lateral Rehab
Rehab 20 of 30	64292	270306	1290F7	4	2242 LEIGHTON CT	30	Sewer Lateral Rehab
Rehab 19 of 30	64294	270250	1290F7	4	2225 JAMIE AV	30	Sewer Lateral Rehab
Rehab 19 of 30	64294	270210	1290F7	4	2235 JAMIE AV	30	Sewer Lateral Rehab
Rehab 19 of 30	64294	270291	1290F7	4	2224 JAMIE AV	30	Sewer Lateral Rehab
Rehab 19 of 30	64294	270312	1290F7	4	2214 JAMIE AV	30	Sewer Lateral Rehab
Rehab 19 of 30	64294	270274	1290F7	4	2215 JAMIE AV	30	Sewer Lateral Rehab
Rehab 07 of 30	63875	266704	1290G5	4	7532 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63875	266747	1290G5	4	7527 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63875	366129	1290G5	4	7522 WOODRIDGE WY	20	Sewer Lateral Rehab
Rehab 07 of 30	63875	266804	1290G5	4	7515 WOODRIDGE WY	20	Sewer Lateral Rehab
Rehab 05 of 30	63442	365313	1290H5	4	345 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63442	265468	1290G5	4	317 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63442	365302	1290G5	4	316 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63442	365325	1290G5	4	330 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63442	265490	1290G5	4	333 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63442	365370	1290G5	4	358 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63442	265717	1290H5	4	370 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 26 of 30	64324	5709168	1290F7	4	6809 PANAMINT RW	50	Sewer Lateral Rehab
Rehab 26 of 30	64324	5709158	1290F7	4	6809 PANAMINT RW	50	Sewer Lateral Rehab
Rehab 05 of 30	63444	365247	1290G5	4	276 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63444	265293	1290G5	4	252 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63444	265399	1290G5	4	266 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63444	365153	1290G5	4	277 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63444	265266	1290G5	4	269 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63444	265447	1290G5	4	303 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63444	365281	1290G5	4	302 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63444	265423	1290G5	4	289 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63387	263190	1290H4	4	234 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63387	363756	1290H4	4	235 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63387	363922	1290H4	4	255 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63387	263436	1290H4	4	252 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63387	363863	1290H4	4	243 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63387	263332	1290H4	4	242 COOLWATER DR	30	Sewer Lateral Rehab
Rehab 07 of 30	63872	366214	1290G5	4	7506 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63872	266790	1290G5	4	7514 WOODRIDGE WY	20	Sewer Lateral Rehab
Rehab 19 of 30	60629	270428	1290F7	4	6734 DOTI POINT DR	30	Sewer Lateral w/ Cleanout
Rehab 19 of 30	60629	368432	1290F7	4	6734 DOTI POINT DR	30	Sewer Lateral w/ Cleanout
Rehab 19 of 30	60629	270442	1290F7	4	6726 DOTI POINT DR	30	Sewer Lateral w/ Cleanout
Rehab 19 of 30	60637	270429	1290F7	4	6751 DOTI POINT DR	30	Sewer Lateral Rehab
Rehab 19 of 30	60637	270447	1290F7	4	2134 FOWLER DR	30	Sewer Lateral Rehab
Rehab 19 of 30	60637	368476	1290F7	4	2153 FOWLER DR	30	Sewer Lateral Rehab
Rehab 19 of 30	60637	270502	1290F7	4	2158 FOWLER DR	30	Sewer Lateral Rehab
Rehab 19 of 30	60637	270460	1290F7	4	2143 FOWLER DR	30	Sewer Lateral Rehab
Rehab 19 of 30	60637	363474	1290F7	4	2140 FOWLER DR	30	Sewer Lateral Rehab

Rehab 19 of 30	60637	270477	1290F7	4	2146 FOWLER DR	30	Sewer Lateral Rehab
Rehab 02 of 30	63456	364200	1290H5	4	292 COOLWATER DR	35	Sewer Lateral Rehab
Rehab 02 of 30	63456	364117	1290H4	4	282 COOLWATER DR	35	Sewer Lateral Rehab
Rehab 02 of 30	63456	263797	1290H4	4	293 COOLWATER DR	25	Sewer Lateral Rehab
Rehab 02 of 30	63456	263594	1290H4	4	267 COOLWATER DR	25	Sewer Lateral Rehab
Rehab 02 of 30	63456	263590	1290H4	4	262 COOLWATER DR	35	Sewer Lateral Rehab
Rehab 02 of 30	63456	364024	1290H4	4	272 COOLWATER DR	35	Sewer Lateral Rehab
Rehab 02 of 30	63456	263689	1290H4	4	279 COOLWATER DR	25	Sewer Lateral Rehab
Rehab 18 of 30	60594	368351	1290F7	4	6737 DORIANA ST	30	Sewer Lateral Rehab
Rehab 19 of 30	60636	368403	1290F7	4	6750 DOTI POINT DR	30	Sewer Lateral Rehab
Rehab 19 of 30	60636	270348	1290F7	4	6758 DOTI POINT DR	30	Sewer Lateral Rehab
Rehab 19 of 30	60636	270329	1290F7	4	6766 DOTI POINT DR	30	Sewer Lateral Rehab
Rehab 19 of 30	60636	368384	1290F7	4	6763 DOTI POINT DR	30	Sewer Lateral Rehab
Rehab 19 of 30	60636	270303	1290F7	4	6774 DOTI POINT DR	30	Sewer Lateral Rehab
Rehab 08 of 30	63769	266735	1290G5	4	7594 CAREYBROOK LN	30	Sewer Lateral Rehab
Rehab 08 of 30	63769	266818	1290H5	4	7582 CAREYBROOK LN	40	Sewer Lateral Rehab
Rehab 08 of 30	63769	266765	1290H5	4	7589 CAREYBROOK LN	20	Sewer Lateral Rehab
Rehab 08 of 30	63769	266900	1290H5	4	7575 CAREYBROOK LN	50	Sewer Lateral Rehab
Rehab 08 of 30	63769	366145	1290H5	4	7581 CAREYBROOK LN	10	Sewer Lateral Rehab
Rehab 25 of 30	64330	270884	1290F7	4	2535 RAMFOS PL	30	Sewer Lateral Rehab
Rehab 25 of 30	64330	368775	1290F7	4	2525 RAMFOS PL	30	Sewer Lateral Rehab
Rehab 22 of 30	60598	368615	1290F7	4	6712 LEYTE POINT DR	25	Sewer Lateral Rehab
Rehab 22 of 30	60598	270665	1290F7	4	6721 LEYTE POINT DR	25	Sewer Lateral Rehab
Rehab 25 of 30	64402	270909	1290F7	4	2545 RAMFOS PL	30	Sewer Lateral Rehab
Rehab 20 of 30	64302	368238	1290F7	4	2254 JAMIE AV	30	Sewer Lateral Rehab
Rehab 20 of 30	64302	270154	1290F7	4	2264 JAMIE AV	30	Sewer Lateral Rehab
Rehab 18 of 30	60609	270395	1290F7	4	6737 DORIANA ST	40	Sewer Lateral Rehab
Rehab 07 of 30	63812	266615	1290G5	4	7592 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63812	266747	1290G5	4	7527 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63812	266637	1290G5	4	7552 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63812	266707	1290G5	4	7543 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63812	266674	1290G5	4	7542 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63812	366070	1290G5	4	7553 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63812	365985	1290G5	4	7585 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63812	266546	1290G5	4	7595 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63812	266641	1290G5	4	7565 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63812	266559	1290G5	4	7572 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63812	365935	1290G5	4	7582 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63812	266607	1290G5	4	7575 WOODRIDGE WY	30	Sewer Lateral Rehab
Rehab 07 of 30	63818	266211	1290G5	4	369 ROSEBUD LN	20	Sewer Lateral Rehab
Rehab 07 of 30	63818	266464	1290G5	4	391 ROSEBUD LN	55	Sewer Lateral Rehab
Rehab 07 of 30	63818	365870	1290G5	4	381 ROSEBUD LN	55	Sewer Lateral Rehab
Rehab 21 of 30	60597	368626	1290F7	4	2250 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60597	270654	1290F7	4	2230 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60597	270626	1290F7	4	2237 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60597	270645	1290F7	4	2210 ALTA VIEW DR	30	Sewer Lateral Rehab

Rehab 21 of 30	60597	368598	1290F7	4	2253 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60597	270677	1290F7	4	2291 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60597	368646	1290F7	4	2290 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60597	270656	1290F7	4	2265 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60597	368634	1290F7	4	2270 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60597	270644	1290F7	4	2269 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60601	270608	1290F7	4	2191 ALTA VIEW DR	35	Sewer Lateral Rehab
Rehab 21 of 30	60601	270629	1290F7	4	2150 ALTA VIEW DR	35	Sewer Lateral Rehab
Rehab 21 of 30	60601	368595	1290F7	4	2160 ALTA VIEW DR	35	Sewer Lateral Rehab
Rehab 21 of 30	60601	270623	1290F7	4	2140 ALTA VIEW DR	35	Sewer Lateral Rehab
Rehab 21 of 30	60601	368604	1290F7	4	2170 ALTA VIEW DR	35	Sewer Lateral Rehab
Rehab 21 of 30	60601	368584	1290F7	4	2221 ALTA VIEW DR	35	Sewer Lateral Rehab
Rehab 08 of 30	63815	266784	1290G5	4	7550 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 08 of 30	63815	366194	1290G5	4	7540 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 08 of 30	63815	366241	1290G5	4	7543 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 08 of 30	63815	266892	1290G5	4	7530 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 08 of 30	63815	366277	1290G5	4	7533 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 08 of 30	63815	366122	1290G5	4	7560 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 08 of 30	63815	266778	1290G5	4	7573 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 08 of 30	63815	266829	1290G5	4	7563 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 08 of 30	63815	366085	1290G5	4	7570 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 08 of 30	63815	266891	1290G5	4	7553 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 22 of 30	60596	368682	1290F7	4	2326 ALTA VIEW DR	35	Sewer Lateral Rehab
Rehab 22 of 30	60596	368650	1290F7	4	2311 ALTA VIEW DR	35	Sewer Lateral Rehab
Rehab 22 of 30	60596	368668	1290F7	4	2321 ALTA VIEW DR	35	Sewer Lateral Rehab
Rehab 22 of 30	60596	270746	1290F7	4	2318 ALTA VIEW DR	35	Sewer Lateral Rehab
Rehab 22 of 30	60596	368661	1290F7	4	2310 ALTA VIEW DR	35	Sewer Lateral Rehab
Rehab 08 of 30	63817	366074	1290F7	4	7580 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 08 of 30	63817	266644	1290G5	4	7592 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 11 of 30	63828	366698	1290G5	4	7175 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 11 of 30	63828	267574	1290F5	4	7176 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 11 of 30	63828	366668	1290G5	4	7193 BROOKHAVEN RD	35	Sewer Lateral Rehab
Rehab 11 of 30	63828	366571	1290G5	4	7184 BROOKHAVEN RD	25	Sewer Lateral Rehab
Rehab 08 of 30	63816	365942	1290H5	4	7614 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 08 of 30	63816	266569	1290H5	4	7625 BROOKHAVEN RD	40	Sewer Lateral Rehab
Rehab 08 of 30	63816	266517	1290H5	4	7624 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 08 of 30	63816	266610	1290H5	4	7615 BROOKHAVEN RD	40	Sewer Lateral Rehab
Rehab 08 of 30	63816	366004	1290G5	4	7602 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 08 of 30	63816	266662	1290H5	4	7603 BROOKHAVEN RD	40	Sewer Lateral Rehab
Rehab 14 of 30	63779	267204	1290G5	4	7330 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 14 of 30	63779	267116	1290G5	4	7330 BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 14 of 30	63776	366373	1290G5	4	BROOKHAVEN RD	30	Sewer Lateral Rehab
Rehab 15 of 30	63864	266943	1290G5	4	397 RIDGECREST DR	40	Sewer Lateral Rehab
Rehab 15 of 30	63864	366198	1290G5	4	396 RIDGECREST DR	15	Sewer Lateral Rehab
Rehab 15 of 30	63864	366135	1290G5	4	387 RIDGECREST DR	45	Sewer Lateral Rehab
Rehab 15 of 30	63864	266712	1290G5	4	364 RIDGEDREST DR	15	Sewer Lateral Rehab

Rehab 15 of 30	63864	266742	1290G5	4	375 RIDGECREST DR	45	Sewer Lateral Rehab
Rehab 15 of 30	63864	366121	1290G5	4	384 RIDGECREST DR	15	Sewer Lateral Rehab
Rehab 25 of 30	64318	368750	1290F7	4	2505 RAMFOS PL	30	Sewer Lateral Rehab
Rehab 25 of 30	64318	270844	1290F7	4	2515 RAMFOS PL	30	Sewer Lateral Rehab
Rehab 15 of 30	63865	366032	1290G5	4	351 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63865	366002	1290G5	4	340 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63865	266649	1290G5	4	350 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63865	266676	1290G5	4	361 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63865	365937	1290G5	4	339 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63871	265771	1290G5	4	237 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63871	265635	1290G5	4	214 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63871	365383	1290G5	4	225 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63871	265777	1290G5	4	226 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63871	365608	1290G5	4	261 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63871	266035	1290G5	4	262 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63871	365619	1290G5	4	250 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63871	365588	1290G5	4	249 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63871	266035	1290G5	4	262 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63870	266106	1290G5	4	274 RIDGECREST DR	20	Sewer Lateral Rehab
Rehab 15 of 30	63870	365652	1290G5	4	273 RIDGECREST DR	30	Sewer Lateral Rehab
Rehab 15 of 30	63870	365679	1290G5	4	285 RIDGECREST DR	40	Sewer Lateral Rehab
Rehab 15 of 30	63870	365770	1290G5	4	315 RIDGECREST DR	40	Sewer Lateral Rehab
Rehab 15 of 30	63870	365936	1290G5	4	328 RIDGECREST DR	20	Sewer Lateral Rehab
Rehab 15 of 30	63870	365766	1290G5	4	302 RIDGECREST DR	20	Sewer Lateral Rehab
Rehab 15 of 30	63870	266414	1290G5	4	316 RIDGECREST DR	20	Sewer Lateral Rehab
Rehab 15 of 30	63870	365924	1290G5	4	327 RIDGECREST DR	40	Sewer Lateral Rehab
Rehab 15 of 30	63870	365745	1290G5	4	301 RIDGECREST DR	40	Sewer Lateral Rehab
Rehab 15 of 30	63870	266139	1290G5	4	286 RIDGECREST DR	20	Sewer Lateral Rehab
Rehab 06 of 30	65924	265543	1290H5	6	8035 PARADISE VALLEY RD	215	Sewer Lateral Rehab
Rehab 06 of 30	65924	375906	1290H5	4	420 S MEADOWBROOK DR	80	Sewer Lateral Rehab
Rehab 06 of 30	65924	375907	1290H5	6	420 S MEADOWBROOK DR	50	Sewer Lateral Rehab
Rehab 06 of 30	65924	265498	1290H5	4	494 S MEADOWBROOK DR	50	Sewer Lateral Rehab
Rehab 06 of 30	65924	265444	1290H5	4	495 S MEADOWBROOK DR	50	Sewer Lateral Rehab
Rehab 06 of 30	65924	365277	1290H5	4	494 S MEADOWBROOK DR	50	Sewer Lateral Rehab
Rehab 05 of 30	63446	364932	1290G5	4	196 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63446	364887	1290G5	4	203 CORALWOOD DR	35	Sewer Lateral Rehab
Rehab 05 of 30	63446	264968	1290G5	4	215 CORALWOOD DR	30	Sewer Lateral Rehab
Rehab 05 of 30	63446	364952	1290G5	4	204 CORALWOOD DR	25	Sewer Lateral Rehab
Rehab 21 of 30	60599	270486	1290E7	4	2131 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60599	270504	1290E7	4	2076 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60599	368517	1290E7	4	2086 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60599	270484	1290E7	4	2066 ALTA VIEW DR	40	Sewer Lateral Rehab
Rehab 21 of 30	60599	270547	1290E7	4	2120 DUSK DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60599	270518	1290E7	4	2141 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60599	368533	1290E7	4	2151 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60600	368576	1290E7	4	2120 ALTA VIEW DR	30	Sewer Lateral Rehab

Rehab 21 of 30	60600	368549	1290F7	4	2161 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60600	368583	1290F7	4	2130 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60600	270574	1290F7	4	2171 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 21 of 30	60600	270587	1290F7	4	2181 ALTA VIEW DR	30	Sewer Lateral Rehab
Rehab 06 of 30	65927	264860	1290H5	4	393 S ROYAL OAK DR	50	Sewer Lateral Rehab
Rehab 06 of 30	65927	264926	1290H5	6	306 MEADOWBROOK DR	70	Sewer Lateral Rehab
Rehab 06 of 30	65927	364993	1290H5	4	420 S MEADOWBROOK DR	50	Sewer Lateral Rehab
Rehab 10 of 30	63883	266996	1290F5	4	334 DALE GROVE LN	35	Sewer Lateral Rehab
Rehab 10 of 30	63883	267008	1290F5	4	342 DALE GROVE LN	30	Sewer Lateral Rehab
Rehab 10 of 30	63883	366305	1290F5	4	7006 SILVERWOOD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	63883	266944	1290F5	4	326 DALE GROVE LN	30	Sewer Lateral Rehab
Rehab 10 of 30	63883	366287	1290F5	4	315 DALE GROVE LN	40	Sewer Lateral Rehab
Rehab 10 of 30	63883	266895	1290F5	4	302 DALE GROVE LN	60	Sewer Lateral Rehab
Rehab 10 of 30	63883	266904	1290F5	4	318 DALE GROVE LN	60	Sewer Lateral Rehab
Rehab 10 of 30	63883	266896	1290F5	4	310 DALE GROVE LN	40	Sewer Lateral Rehab
Rehab 10 of 30	63883	266897	1290F5	4	303 DALE GROVE LN	60	Sewer Lateral Rehab
Rehab 10 of 30	63943	267133	1290F5	4	355 DALE GROVE LN	30	Sewer Lateral Rehab
Rehab 10 of 30	63943	366304	1290F5	4	350 DALE GROVE LN	30	Sewer Lateral Rehab
Rehab 10 of 30	63943	366332	1290F5	4	358 DALE GROVE LN	30	Sewer Lateral Rehab
Rehab 10 of 30	64056	267255	1290F5	4	382 DALE GROVE LN	30	Sewer Lateral Rehab
Rehab 10 of 30	64056	267300	1290F5	4	377 DALE GROVE LN	40	Sewer Lateral Rehab
Rehab 10 of 30	64056	366362	1290F5	4	366 DALE GROVE LN	30	Sewer Lateral Rehab
Rehab 10 of 30	64056	267191	1290F5	4	365 DALE GROVE LN	40	Sewer Lateral Rehab
Rehab 10 of 30	64056	267186	1290F5	4	374 DALE GROVE LN	30	Sewer Lateral Rehab
Rehab 10 of 30	64054	267595	1290F5	4	7029 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	64054	366672	1290F5	4	7039 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	64054	366592	1290F5	4	7052 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	64054	366692	1290F6	4	7049 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	63884	267608	1290F5	4	7062 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	63884	267684	1290F6	4	7069 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	63884	366680	1290F5	4	7072 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	63884	366718	1290F6	4	7059 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	63884	267777	1290F6	4	7103 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	63884	267800	1290F6	4	7115 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	63884	366716	1290F5	4	7092 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	63884	366740	1290F5	4	7106 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	63884	267741	1290F6	4	7089 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	63884	267704	1290F6	4	7079 WINDWARD ST	30	Sewer Lateral Rehab
Rehab 10 of 30	63884	267646	1290F5	4	7082 WINDWARD ST	30	Sewer Lateral Rehab

SEWER LATERAL LINED + CONNECTIONS	0
SEWER LATERAL CONNECTIONS ONLY	466
TOTAL REHAB LATERALS	466
SEWER LATERAL W/ CLEANOUT	31
SEWER LATERAL REPLUMB	0
TOTAL LATERALS	497

APPENDIX N

SEWER MANHOLE AND CLEANOUT SCOPE OF WORK

SEWER MANHOLE REPLACEMENT

Manhole FSN	Manhole ID	MH Depth	STREET NAME	FIELD BOOK	Rehab No./Plan Sheet No.
NEW	MH No. 1	7	BROOKHAVEN RD	M24S	Rehab 11 of 30
NEW	MH No. 2	11	RAMFOS LN	M25S	Rehab 27 of 30
130279	129/MH No. 3	5	LEDGEWOOD LN	M24S	Rehab 15 of 30
NEW	MH No. 4	8	RITVA PL	M25S	Rehab 23 of 30
130566	110/MH No. 5	15	LEIGHTON CT	M25S	Rehab 20 of 30
130556	100/MH No. 6	7	WOODMAN ST	M25S	Rehab 26 of 30
130540	81/MH No. 7	7	RAMFOS PL	M25S	Rehab 25 of 30
NEW	MH No. 8	11	PARADISE VALLEY RD	L24S	Rehab 16 of 30
NEW	MH No. 9	5	DALE GROVE LN	M24S	Rehab 10 of 30

SEWER MANHOLE REHABILITATION

Manhole FSN	Manhole ID	MH Depth	STREET NAME	FIELD BOOK	Rehab No./Plan Sheet No.
130285	136	13	BROOKHAVEN RD	M24S	Rehab 11 of 30
130263	113	10	BROOKHAVEN RD	M24S	Rehab 13 of 30
130231	81	14	BROOKHAVEN RD	M24S	Rehab 13 of 30
130522	63	7	JAMIE AVE	M25S	Rehab 19 of 30
127234	238	9	ALTA VIEW DR	L25S	Rehab 22 of 30
130229	78	5	SUNSWEPT ST	M25S	Rehab 12 of 30
130261	111	6	BROOKHAVEN RD	M24S	Rehab 13 of 30
129932	173	6	COOLWATER DR	M23S	Rehab 02 of 30
130563	107	8	FOWLER DR	M25S	Rehab 19 of 30
132417	122	7	GREENLAWN DR	N23S	Rehab 03 of 30
130561	105	8	FOWLER DR	M25S	Rehab 19 of 30
130162	10	6	CAREYBROOK LN	M24S	Rehab 08 of 30
129934	175	6	COOLWATER DR	M23S	Rehab 02 of 30
129988	231	7	GRIBBLE ST	M23S	Rehab 01 of 30
130559	103	7	DORIANA ST	M25S	Rehab 17 of 30
130565	109	7	DORIANA ST	M25S	Rehab 17 of 30
132582	139	7	PRAIRIE MOUND WY	N24S	Rehab 09 of 30
132575	132	8	PRAIRIE MOUND WY	N24S	Rehab 09 of 30
130423	284	10	DORIANA ST	M24S	Rehab 17 of 30
127289	298	8	JAMIE AV	L25S	Rehab 19 of 30
130574	118	13	LEIGHTON CT	M25S	Rehab 20 of 30
130562	106	6	JAMIE AV	M25S	Rehab 19 of 30
130546	88	8	WOODMAN ST	M25S	Rehab 26 of 30
130553	97	7	JAMIE AV	M25S	Rehab 20 of 30
130424	285	9	DORIANA ST	M24S	Rehab 17 of 30
130225	74	7	BROOKHAVEN RD	M24S	Rehab 08 of 30
130176	25	15	BROOKHAVEN RD/RIDGECREST DR	M24S	Rehab 14 of 30
130544	86	13	WOODMAN ST/RAMFOS PL	M25S	Rehab 26 of 30
130266	116	12	RIDGECREST DR	M24S	Rehab 15 of 30

SEWER CLEANOUT SCOPE OF WORK

Cleanout FSN	Cleanout ID	Cleanout Depth	STREET NAME	FIELD BOOK	Rehab No./Plan Sheet No.
NEW	Cleanout No. 1	5	KINGSWOOD ST	M24S	Rehab 12 of 30
NEW	Cleanout No. 2	7	JAMIE AV	M25S	Rehab 19 of 30
NEW	Cleanout No. 3	7	JAMIE AV	M25S	Rehab 19 of 30
NEW	Cleanout No. 4	9	LEYTE POINT DR	M25S	Rehab 22 of 30
NEW	Cleanout No. 5	8	FOWLER DR	M25S	Rehab 19 of 30
NEW	Cleanout No. 6	13	GRIBBLE ST	M23S	Rehab 01 of 30
NEW	Cleanout No. 7	7	MIDDLEBUSH DR	M23S	Rehab 01 of 30
NEW	Cleanout No. 8	6	DORIANA ST	M25S	Rehab 17 of 30
NEW	Cleanout No. 9	7	RITVA PL	M25S	Rehab 23 of 30
NEW	Cleanout No. 10	8	RITVA PL	M25S	Rehab 23 of 30
NEW	Cleanout No. 11	4	RITVA PL	M25S	Rehab 23 of 30
NEW	Cleanout No. 12	6	DOTI POINT RW	L25S	Rehab 19 of 30

TOTAL MANHOLE REHABILITATION = 29 AVG Depth = 8.24
 TOTAL MANHOLE REPLACED/INSTALLED = 9
 TOTAL CLEANOUTS INSTALLED/REHABBED = 12

APPENDIX O

SEWER PIPELINE REHABILITATION SCOPE OF WORK

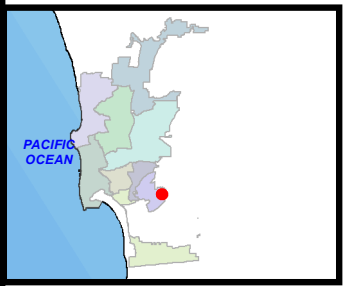
FSN	US-Field-Book	US-MH-MAP-ID		US_INV_EL	DS-Field-Book	DS-MH-MAP-ID		DS_INV_EL	INSTALLED DATE	LENGTH	SIZE	MATERIAL	SLOPE (%)	Max. Vel. (fps)	Max. d/D (%)	Max. q/Q (%)	LATERALS	ACTION	THOMAS BROTHERS	STREET NAME	COMMUNITY	COUNCIL DISTRICT	REMARKS	CONFLICT CHECK	PUD COMMENTS
60397	M24S	MANH	281	313.89	L24S	MANH	129	309.79	1/1/1970	195	10	VC	2.10	4.99	41.57	33.7	0	REHAB	1290F6	PARADISE VALLEY, RD	Bay Terraces	4		1) AC Woodman St Pipeline Replacement. Construction 3/2017 - 3/2019. 2) Otay 2nd Pipeline Steel Replacement Phase 2 Project. Construction 3/2017 - 3/2019	
63897	M24S	MANH	277	317.23	M24S	MANH	281	313.89	1/1/1970	155	10	VC	2.15	4.75	41.66	31.8	0	REHAB	1290F6	PARADISE VALLEY, RD	Bay Terraces	4		1) AC Woodman St Pipeline Replacement. Construction 3/2017 - 3/2019. 2) Otay 2nd Pipeline Steel Replacement Phase 2 Project. Construction 3/2017 - 3/2019	
60396	L24S	MANH	129	309.79	L24S	MANH	130	305.75	1/1/1970	190	10	VC	2.13	4.59	44.29	33.5	0	REHAB	1290F6	PARADISE VALLEY, RD	Bay Terraces	4		1) AC Woodman St Pipeline Replacement. Construction 3/2017 - 3/2019. 2) Otay 2nd Pipeline Steel Replacement Phase 2 Project. Construction 3/2017 - 3/2019	
63446	M23S	MANH	21	449.26	M23S	MANH	22	447.93	1/1/1959	133	8	VC	1.00	0.32	48.41	6.6	4	REHAB	1290G5	CORALWOOD, DR	Bay Terraces	4		Residential Project Block 4Z, moratorium 10/2017 – 10/2022	
60599	L25S	MANH	288	328.85	L25S	MANH	182	306.55	1/1/1970	222	8	VC	10.04	2.34	55.67	12.1	7	REHAB	1290E7	ALTA VIEW, DR	Bay Terraces	4			
60600	L25S	MANH	252	310.23	L25S	MANH	182	306.55	1/1/1970	200	8	VC	1.84	1.19	55.67	14.3	5	REHAB	1290F7	ALTA VIEW, DR	Bay Terraces	4			
65927	N23S	MANH	185	451.00	N23S	MANH	215	449.60	1/1/1960	350	8	VC	0.40	0.94	63.75	29.7	2	REHAB	1290H5	MEADOWBROOK, DR	Bay Terraces	4		Residential Project Block 4Z, moratorium 10/2017 – 10/2022	
60399	L24S	MANH	130	305.75	L24S	SNOD	464	302.15	1/1/1970	227	10	VC	1.59	4.02	49.07	38.8	0	REHAB	1290F6	PARADISE VALLEY, RD	Bay Terraces	4	Install Manhole	1) AC Woodman St Pipeline Replacement. Construction 3/2017 - 3/2019. 2) Otay 2nd Pipeline Steel Replacement Phase 2 Project. Construction 3/2017 - 3/2019 (We have coordinated with the PM to resurface the street after rehab AK-1 install manholes)	
63883	M24S	PLUG	140	467.03	M24S	MANH	208	465.33	1/1/1959	170	8	VC	1.00	1.35	9.53	1.8	9	REHAB	1290F5	DALE GROVE, LN	Bay Terraces	4	Install Manhole	Added to scope	
63943	M24S	MANH	208	465.33	M24S	MANH	313	462.36	1/1/1959	165	8	VC	1.80	1.75	9.07	1.8	3	REHAB	1290F5	DALE GROVE, LN	Bay Terraces	4		Added to scope	
64056	M24S	MANH	313	462.36	M24S	MANH	314	456.84	1/1/1959	184	8	VC	3.00	2.24	8.96	1.7	5	REHAB	1290F5	DALE GROVE, LN	Bay Terraces	4		Added to scope	
64054	M24S	MANH	314	456.84	M24S	MANH	209	456.14	1/1/1959	174	8	VC	0.40	1.19	16.22	5.7	4	REHAB	1290F5	WINDWARD, ST	Bay Terraces	4		Added to scope	
63884	M24S	MANH	209	456.14	M24S	MANH	141	454.81	1/1/1959	333	8	VC	0.40	1.30	18.95	7.7	11	REHAB	1290F5	WINDWARD, ST	Bay Terraces	4		Added to scope	

Total laterals: 493

Total 8" Sewer Pipeline Rehabilitation =	28,488
Total 10" Sewer Pipeline Rehabilitation =	767
Total Footage =	29,255
Total Mileage =	5.54

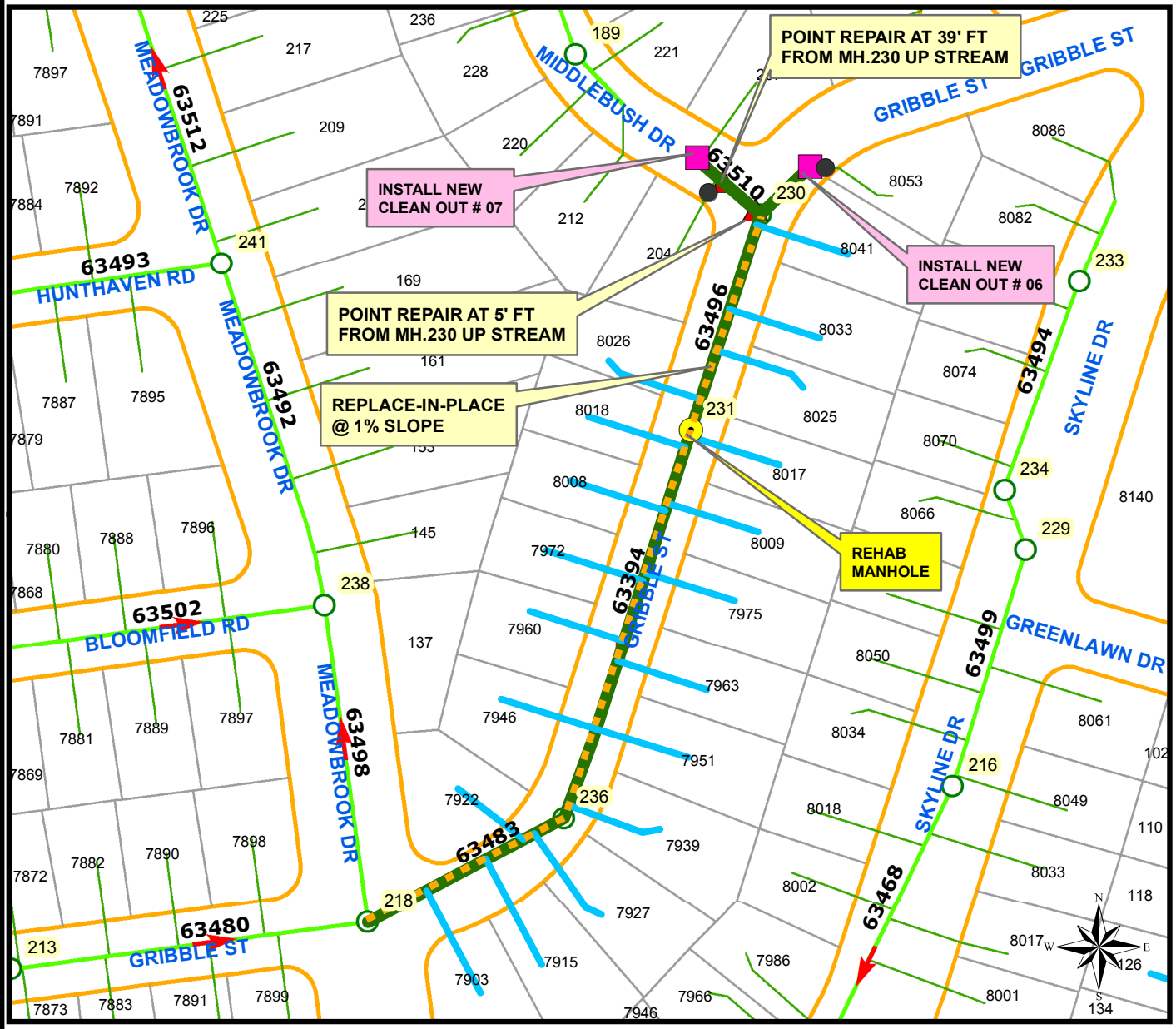
APPENDIX P
SEWER REHAB DESIGN EXHIBITS

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The City of
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PIPELINE REHABILITATION AK-1
SHEET 01 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

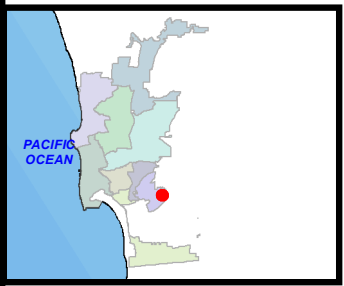
- — — Sewer Main Replacement
- Sewer Lateral With C/O
- ◆ New Manhole
- Install New Cleanout
- Sewer Manhole Replacement
- TYPE I OVER TYPE II SLURRY
- Rehab Manhole
- Sewer Lateral Rehab
- Sewer Main Rehab
- ▲ Point Repair
- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP.ID
- Right of Way
- Mains
- ↑ Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills COUNCIL DISTRICT: 4 SAP ID: B16109

Date: August 02, 2017

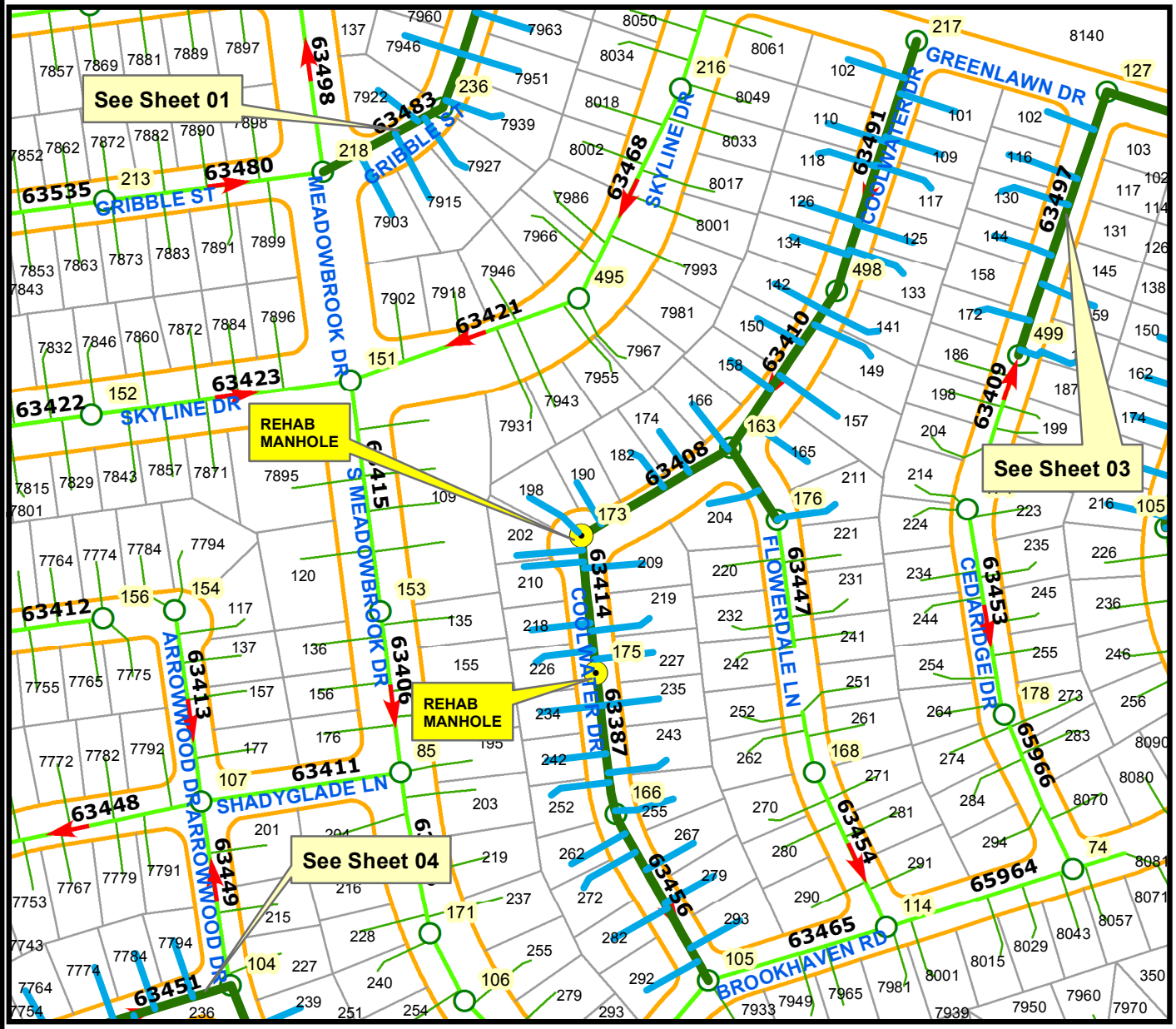


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SHEET 02 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@san Diego.gov

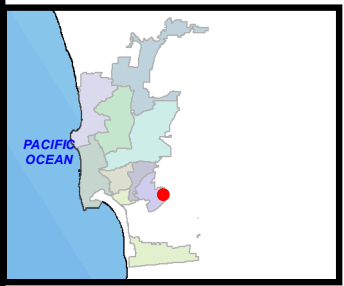


Legend

- Sewer Lateral With C/O
 - Install New Cleanout
 - EX Manholes
 - New Manhole
 - Sewer Lateral Rehab
 - Sewer Main Rehab
 - Sewer Manhole Replacement
 - Right of Way
 - Rehab Manhole
 - Mains
 - Flow Direction Arrows
- 1234** Sewer Main FSN No.
123 Manhole MAP.ID



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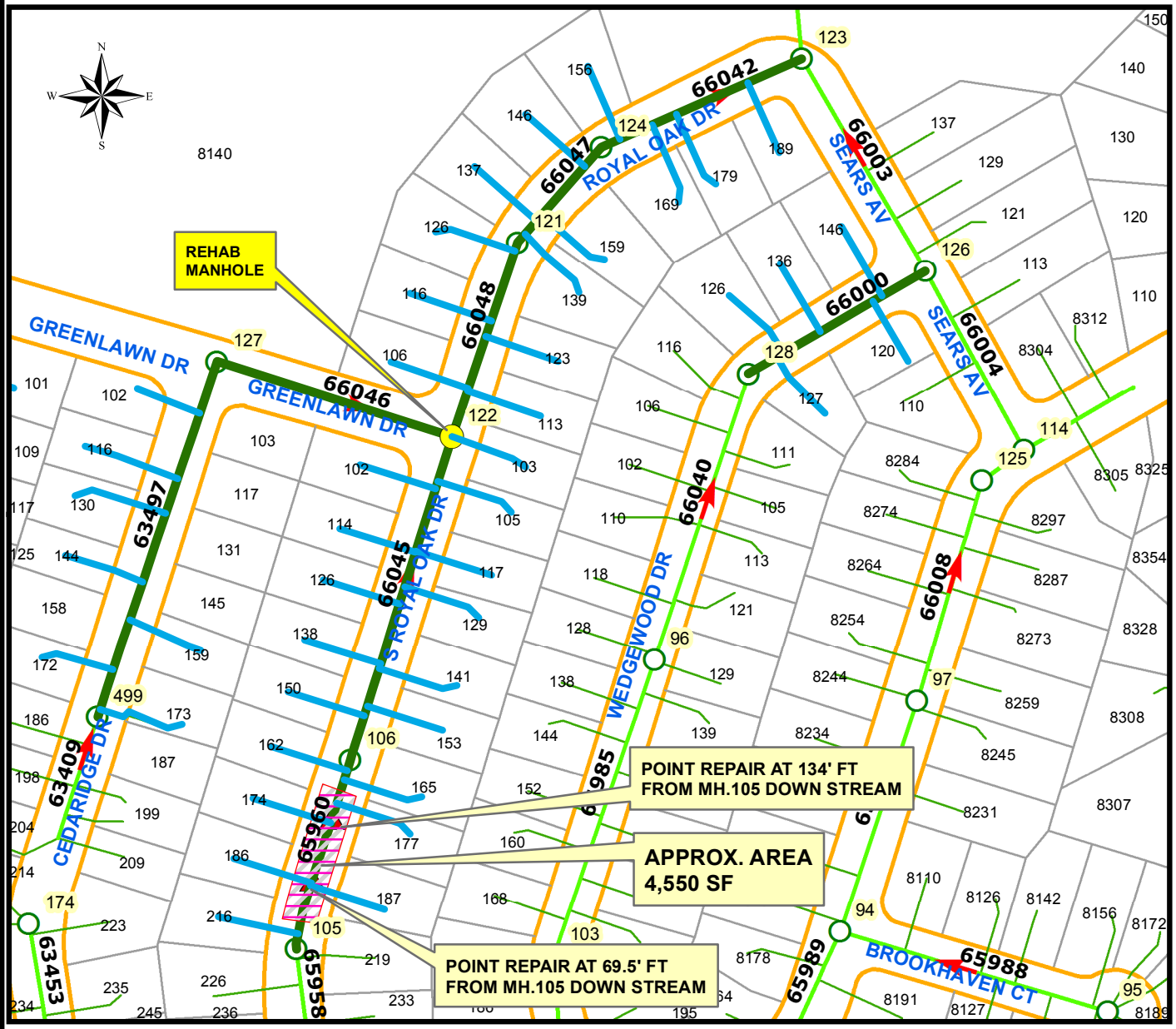
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PIPELINE REHABILITATION AK-1
SHEET 03 OF SHEET 30

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- | | | | | | |
|--|----------------------------|--|----------------------|-------------|-----------------------|
| | Sewer Lateral With C/O | | Install New Cleanout | | EX Manholes |
| | New Manhole | | Sewer Lateral Rehab | 1234 | Sewer Main FSN No. |
| | Sewer Manhole Replacement | | Sewer Main Rehab | 123 | Manhole MAP.ID |
| | Rehab Manhole | | Point Repair | | Right of Way |
| | TYPE I OVER TYPE II SLURRY | | Mains | | Flow Direction Arrows |

COMMUNITY NAME: Skyline-Paradise Hills

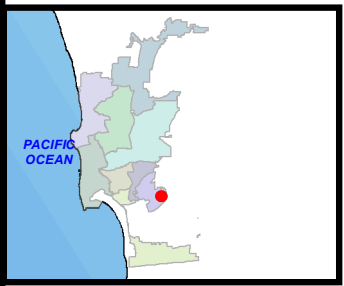
COUNCIL DISTRICT: 4

SAP ID: B16109

Date: August 01, 2017



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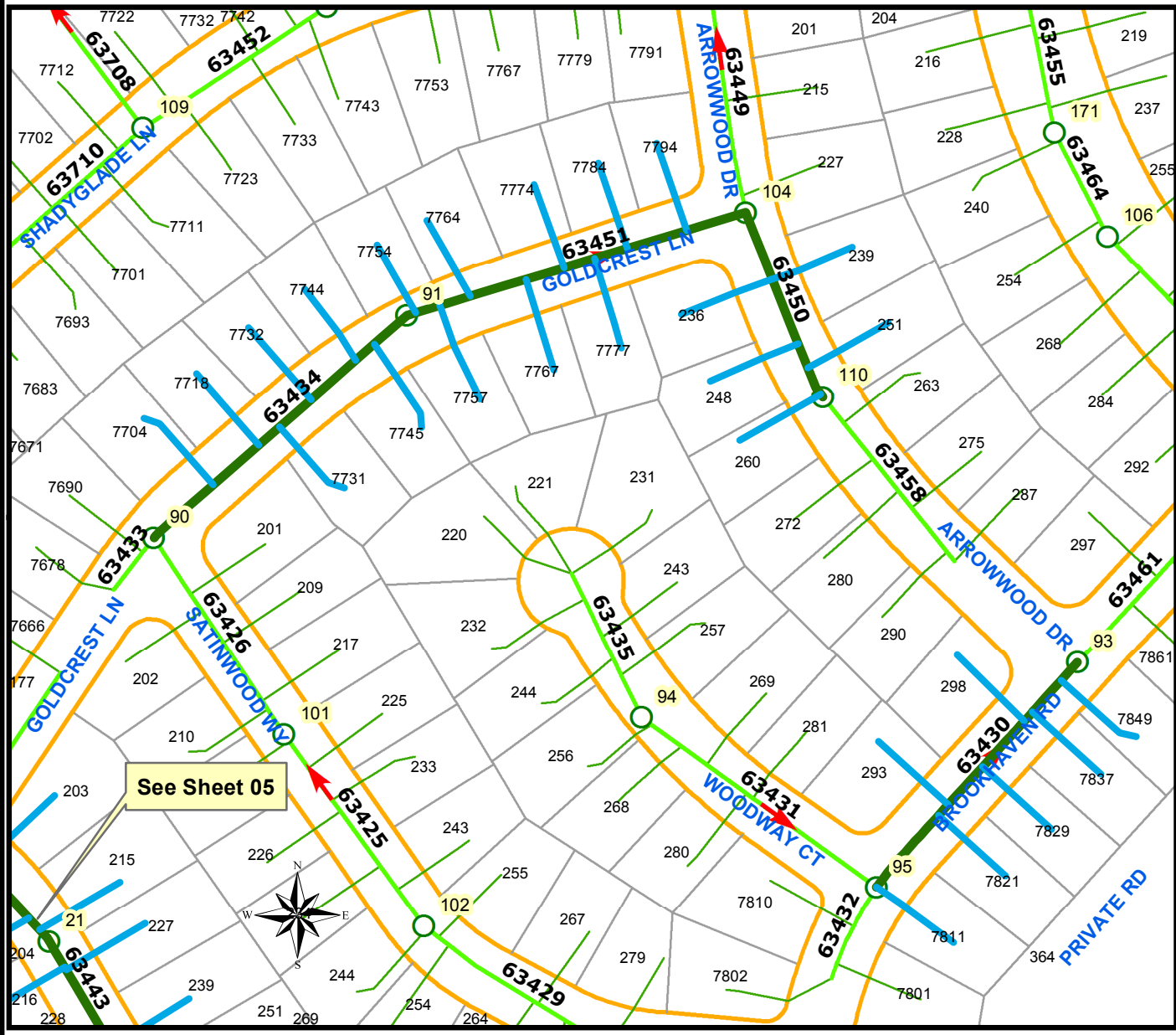
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PIPELINE REHABILITATION AK-1
SHEET 04 OF SHEET 30

SENIOR ENGINEER
NABIL BATTA
(619) 533-4145

PROJECT MANAGER
DANIEL TITTLE
(619) 533-7468

PROJECT ENGINEER
ALISHIA BALLARD
(619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
Call: (619) 533-4207
Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
- Sewer Lateral Rehab
- 1234** Sewer Main FSN No.
- Sewer Manhole Replacement
- Sewer Main Rehab
- Rehab Manhole
- Right of Way
- 123** Manhole MAP ID.
- Flow Direction Arrows
- Mains

COMMUNITY NAME: Skyline-Paradise Hills

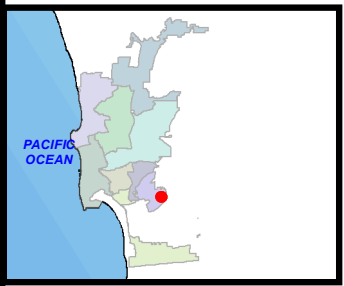
COUNCIL DISTRICT: 4

SAP ID: B16109

Date: March 30, 2016

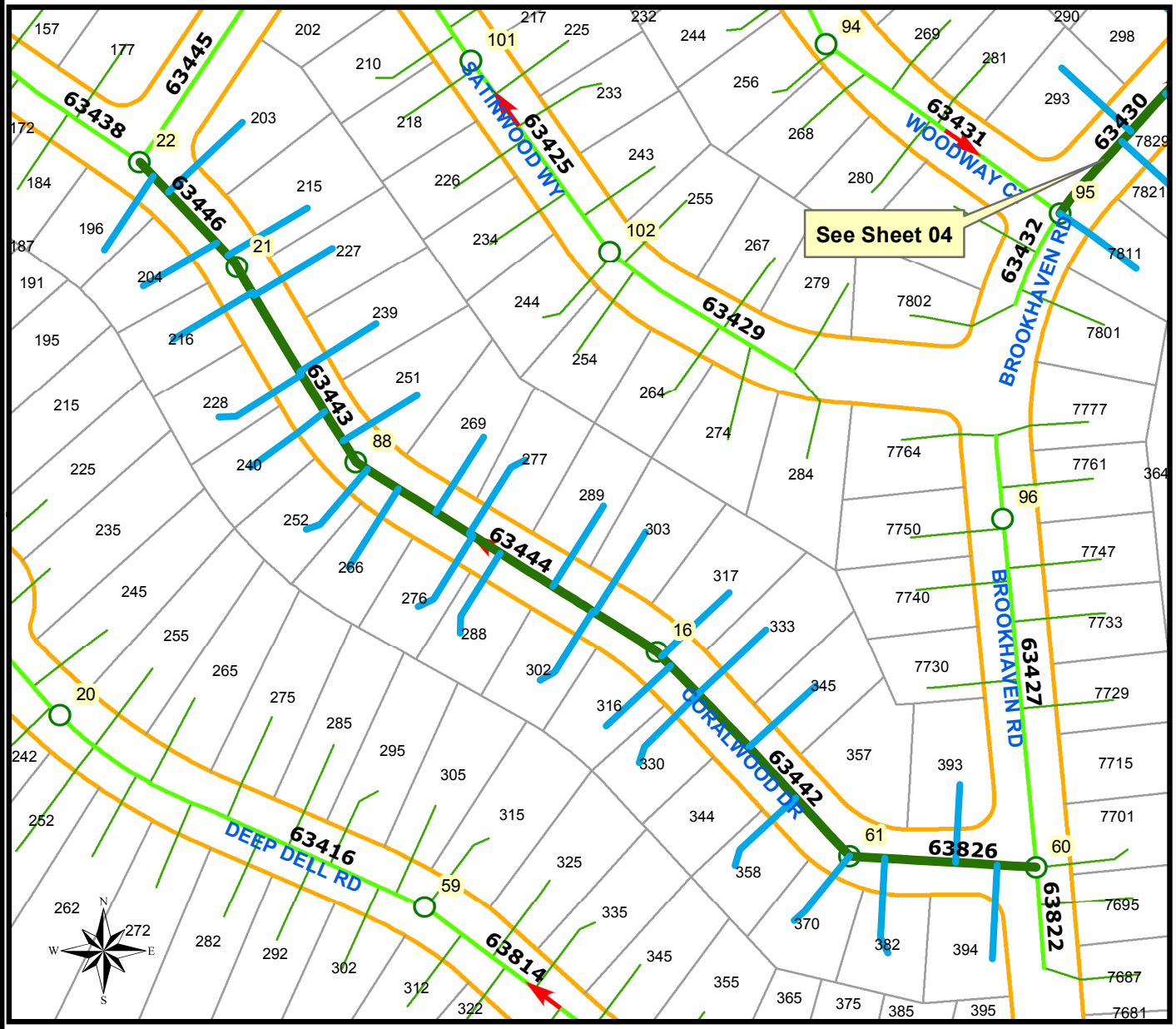


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PIPELINE REHABILITATION AK-1
SHEET 05 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



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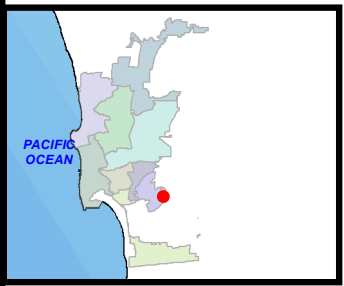
- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
- Sewer Lateral Rehab
- 1234** Sewer Main FSN No.
- Sewer Manhole Replacement
- Sewer Main Rehab
- 123** Manhole MAP ID.
- Rehab Manhole
- Right of Way
- Flow Direction Arrows
- Mains

COMMUNITY NAME: Skyline-Paradise Hills COUNCIL DISTRICT: 4 SAP ID: B16109

Date: March 30, 2016

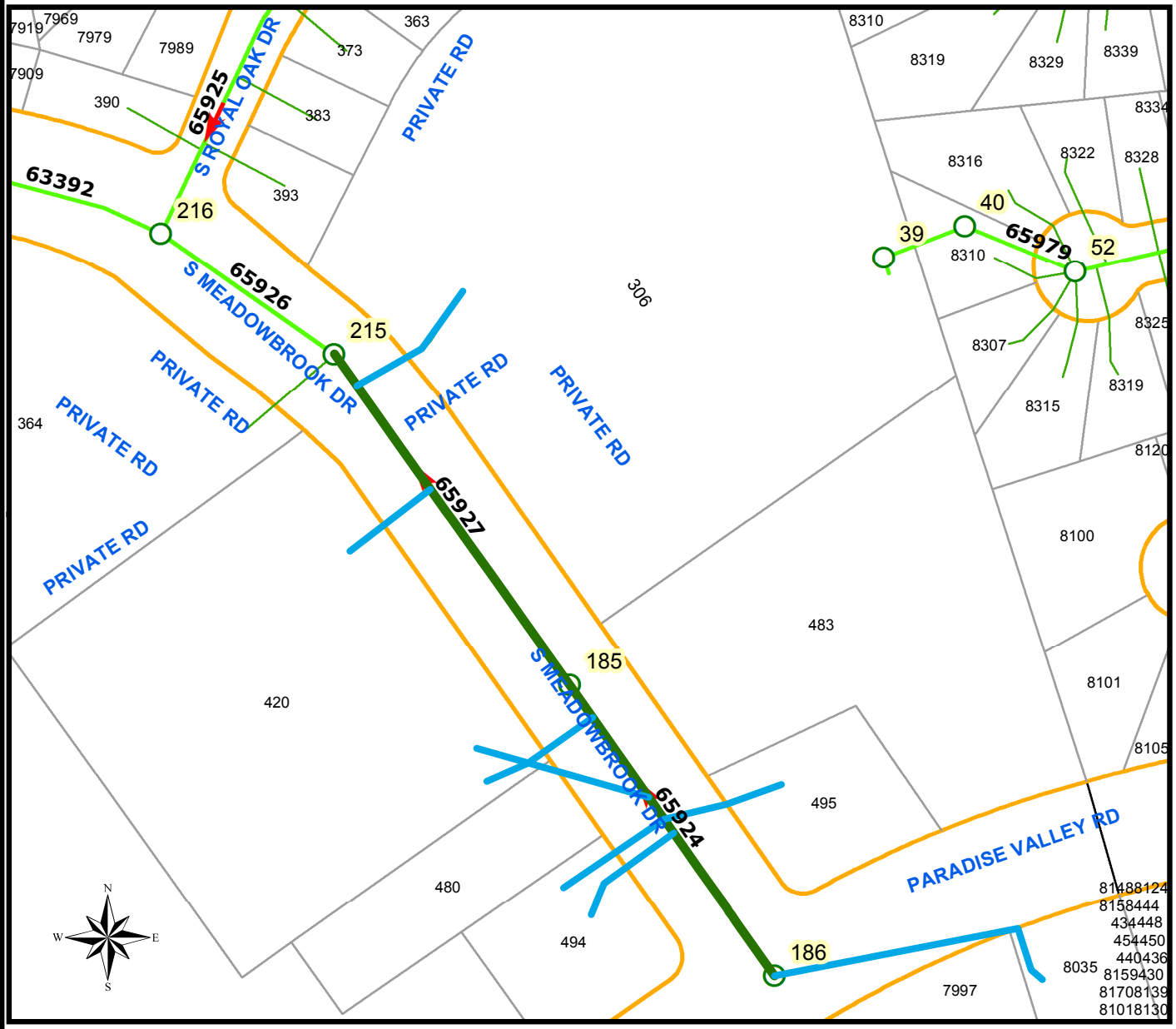


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PIPELINE REHABILITATION AK-1
SHEET 06 OF SHEET 30

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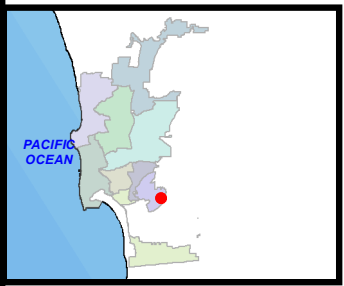
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| Sewer Lateral With C/O | Install New Cleanout | EX Manholes |
| New Manhole | Sewer Lateral Rehab | 1234 Sewer Main FSN No. |
| Sewer Manhole Replacement | Sewer Main Rehab | 123 Manhole MAP ID. |
| Rehab Manhole | Right of Way | |
| Flow Direction Arrows | Mains | |

COMMUNITY NAME: Skyline-Paradise Hills COUNCIL DISTRICT: 4 SAP ID: B16109

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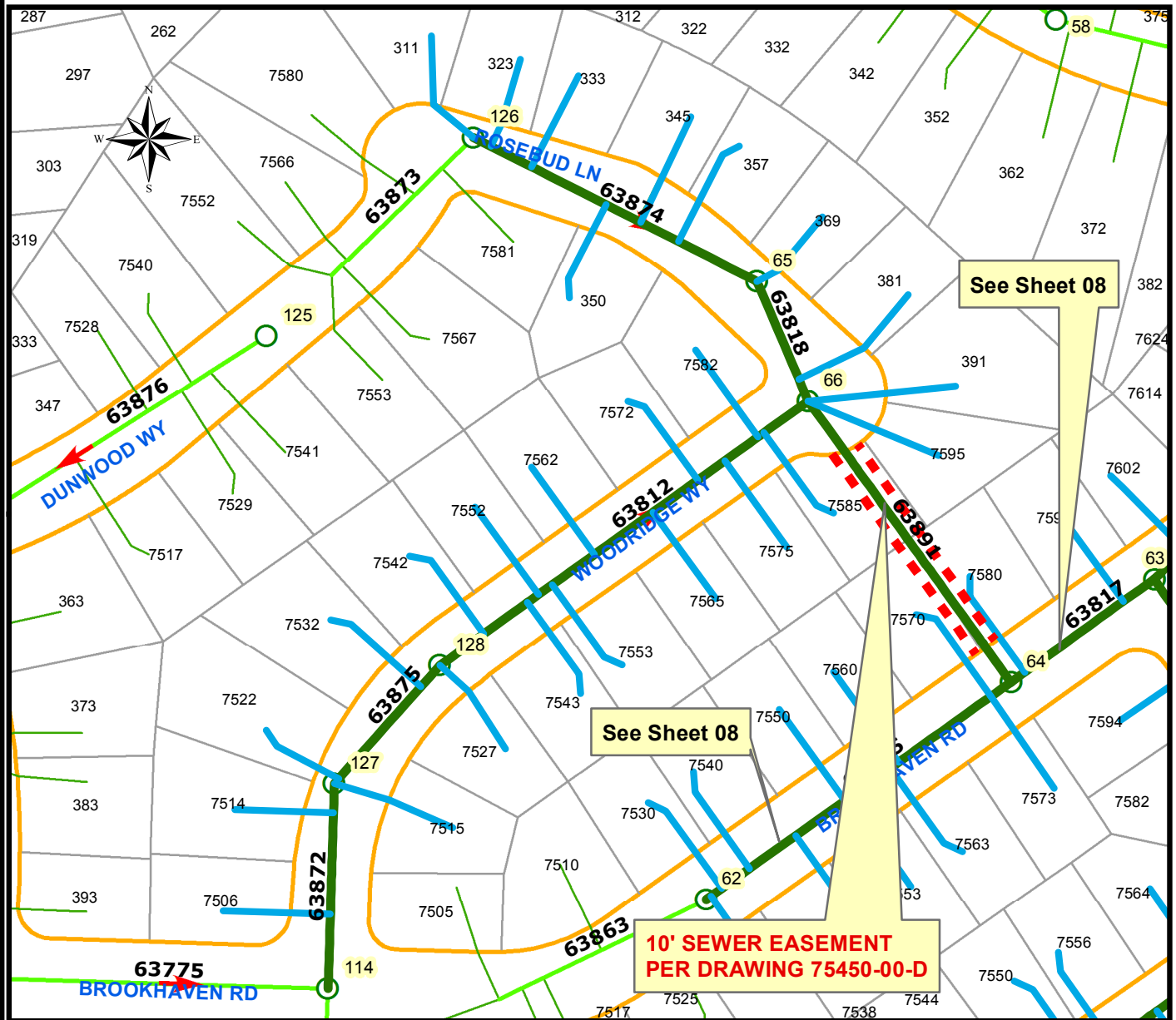
The City of
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PIPELINE REHABILITATION AK-1
SHEET 07 OF SHEET 30

SENIOR ENGINEER
NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- Ex. Easement
- Sewer Lateral Rehab
- 1234** Sewer Main FSN No.
- New Manhole
- Sewer Main Rehab
- Sewer Manhole Replacement
- Right of Way
- Rehab Manhole
- Mains
- Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

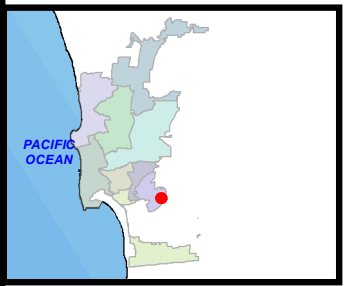
COUNCIL DISTRICT: 4

SAP ID: B16109

Date: March 30, 2016



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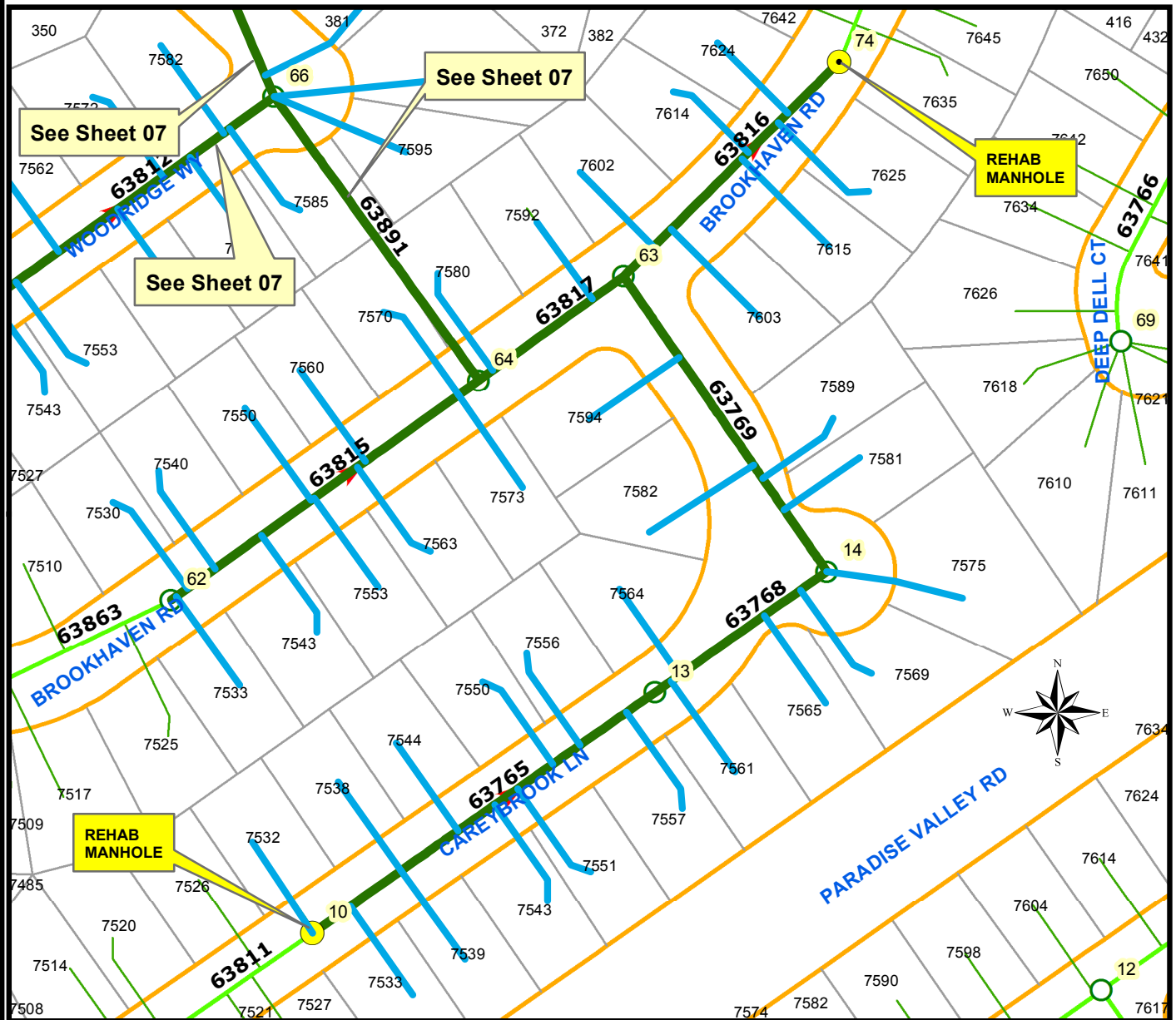
The City of
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PIPELINE REHABILITATION AK-1
SHEET 08 OF SHEET 30

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 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
 - Install New Cleanout
 - EX Manholes
 - New Manhole
 - Sewer Lateral Rehab
 - Sewer Main Rehab
 - Sewer Manhole Replacement
 - Right of Way
 - Rehab Manhole
 - Mains
 - Flow Direction Arrows
- 1234** Sewer Main FSN No.
123 Manhole MAP ID.

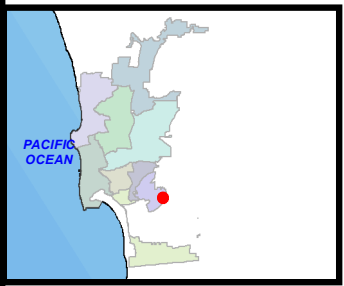
COMMUNITY NAME: Skyline-Paradise Hills
 Date: March 30, 2016

COUNCIL DISTRICT: 4

SAP ID: B16109



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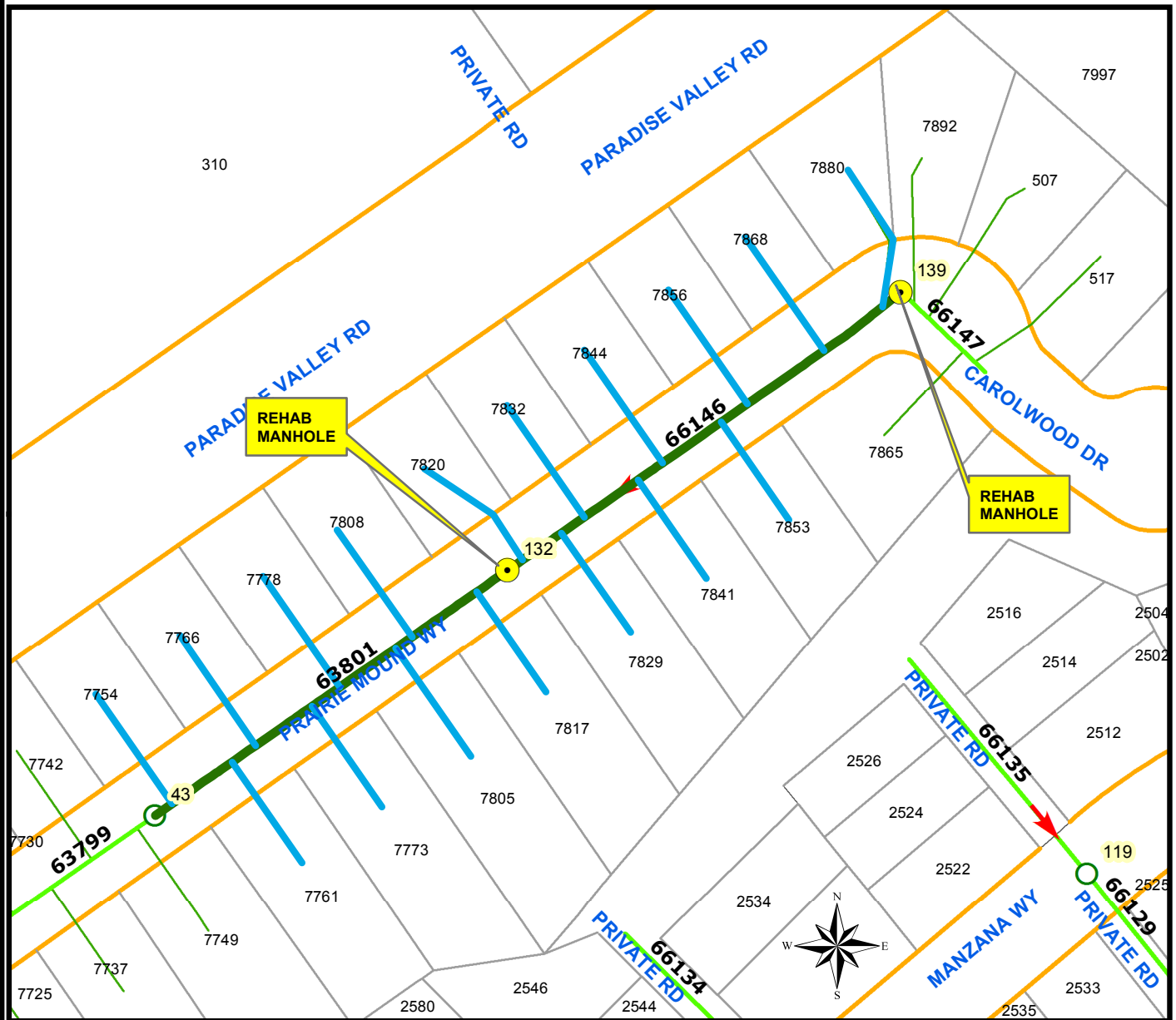
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 09 OF SHEET 30

SENIOR ENGINEER
NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@san Diego.gov



Legend

- | | | |
|---------------------------|----------------------|--------------------------------|
| Sewer Lateral With C/O | Install New Cleanout | EX Manholes |
| New Manhole | Sewer Lateral Rehab | 1234 Sewer Main FSN No. |
| Sewer Manhole Replacement | Sewer Main Rehab | 123 Manhole MAP ID. |
| Rehab Manhole | Right of Way | |
| Flow Direction Arrows | Mains | |

COMMUNITY NAME: Skyline-Paradise Hills

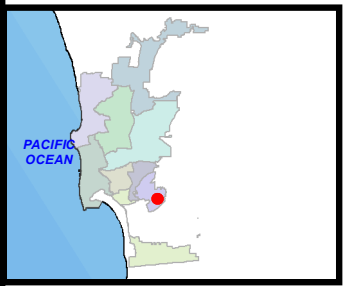
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Date: March 30, 2016

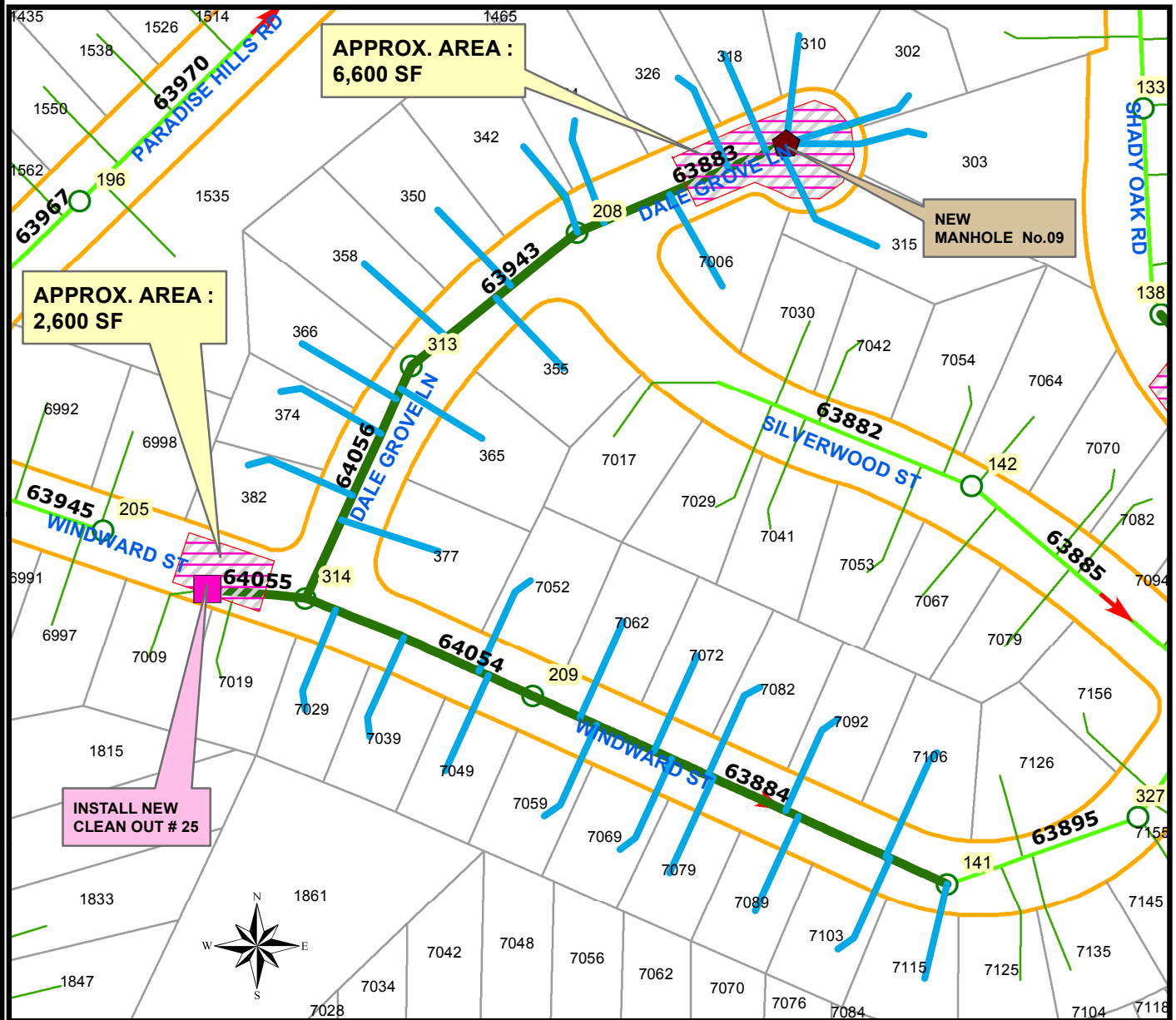


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The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 10 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov

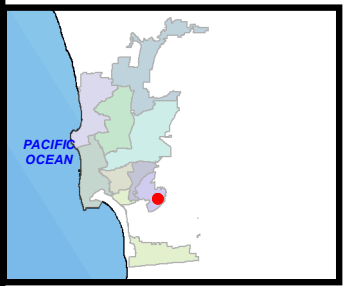


Legend

- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
- Sewer Lateral Rehab
- Sewer Manhole Replacement
- Sewer Main Rehab
- Rehab Manhole
- Right of Way
- Mains
- TYPE I OVER TYPE II SLURRY
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.
- Flow Direction Arrows

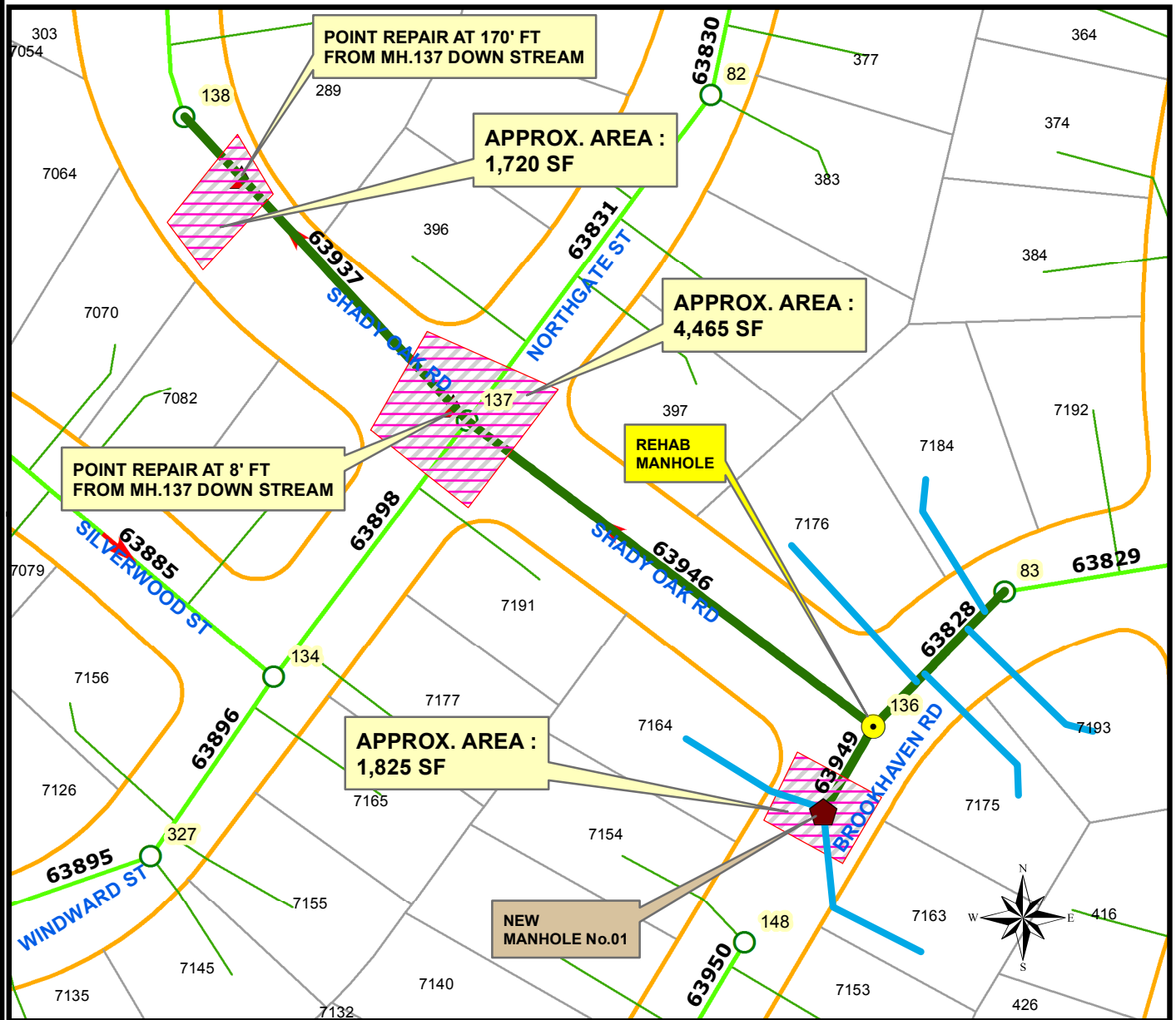


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The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 11 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

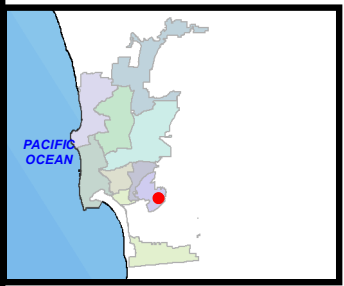
- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
- Sewer Lateral Rehab
- 1234** Sewer Main FSN No.
- Sewer Manhole Replacement
- Sewer Main Rehab
- 123** Manhole MAP ID.
- Rehab Manhole
- Point Repair
- Right of Way
- TYPE I OVER TYPE II SLURRY
- Mains
- Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills COUNCIL DISTRICT: 4 SAP ID: B16109

Date: March 30, 2016



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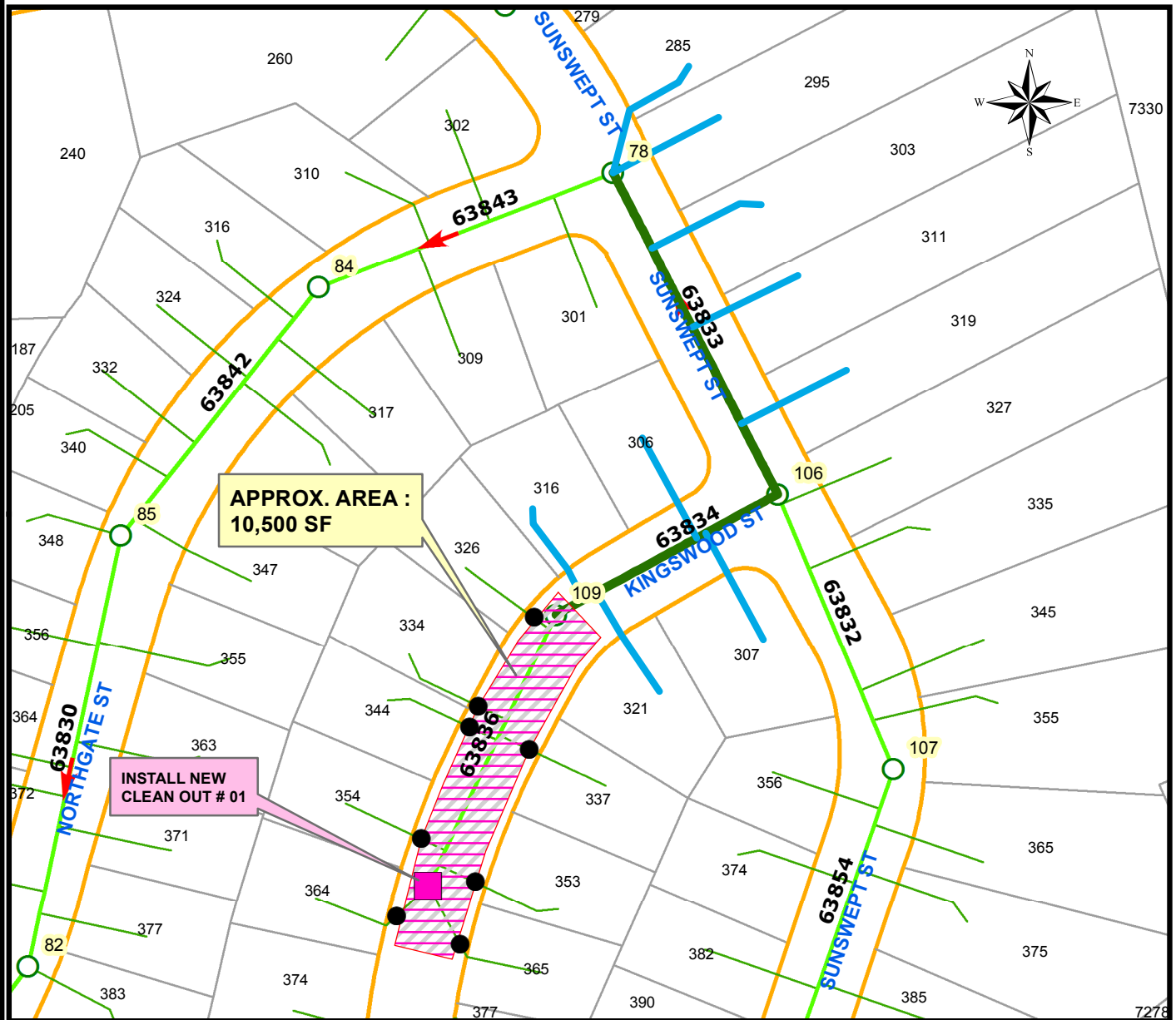
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 12 OF SHEET 30

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

● Sewer Lateral With C/O	■ Install New Cleanout	○ EX Manholes
◆ New Manhole	— Sewer Lateral Rehab	1234 Sewer Main FSN No.
● Sewer Manhole Replacement	— Sewer Main Rehab	123 Manhole MAP ID.
● Rehab Manhole	— Right of Way	↑ Flow Direction Arrows
▨ TYPE I OVER TYPE II SLURRY	— Mains	

COMMUNITY NAME: Skyline-Paradise Hills

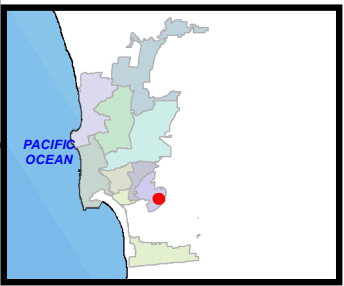
COUNCIL DISTRICT: 4

SAP ID: B16109

Date: March 30, 2016

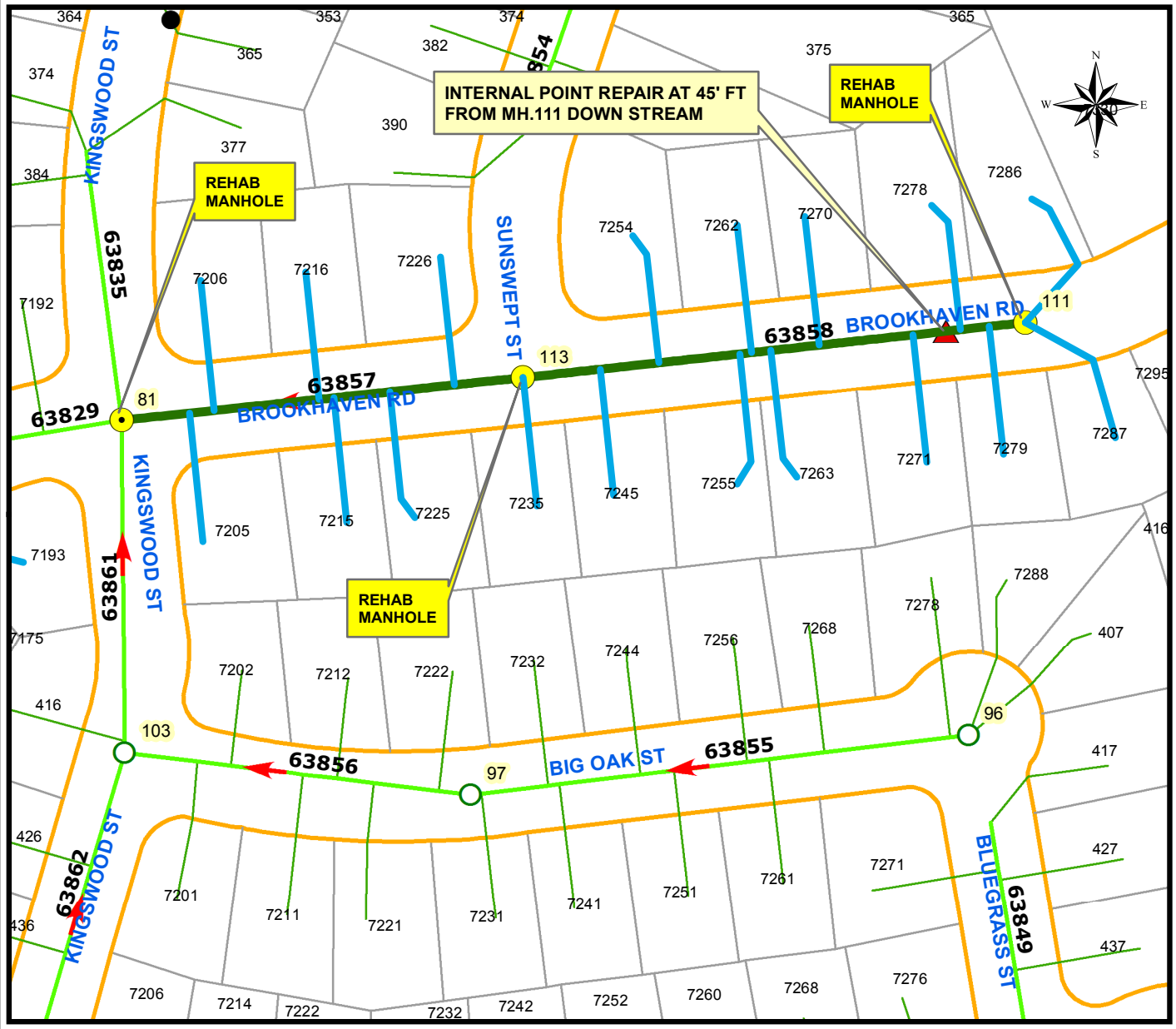


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The City of
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PIPELINE REHABILITATION AK-1
SHEET 13 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



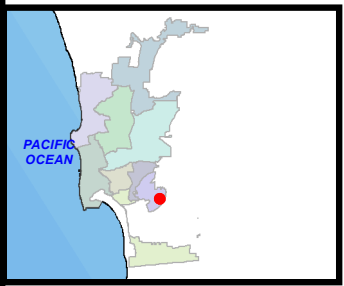
- Legend**
- Sewer Lateral With C/O
 - Install New Cleanout
 - EX Manholes
 - New Manhole
 - Sewer Lateral Rehab
 - 1234** Sewer Main FSN No.
 - Sewer Manhole Replacement
 - Sewer Main Rehab
 - Rehab Manhole
 - Point Repair
 - 123** Manhole MAP.ID
 - Right of Way
 - Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills COUNCIL DISTRICT: 4 SAP ID: B16109

Date: March 30, 2016



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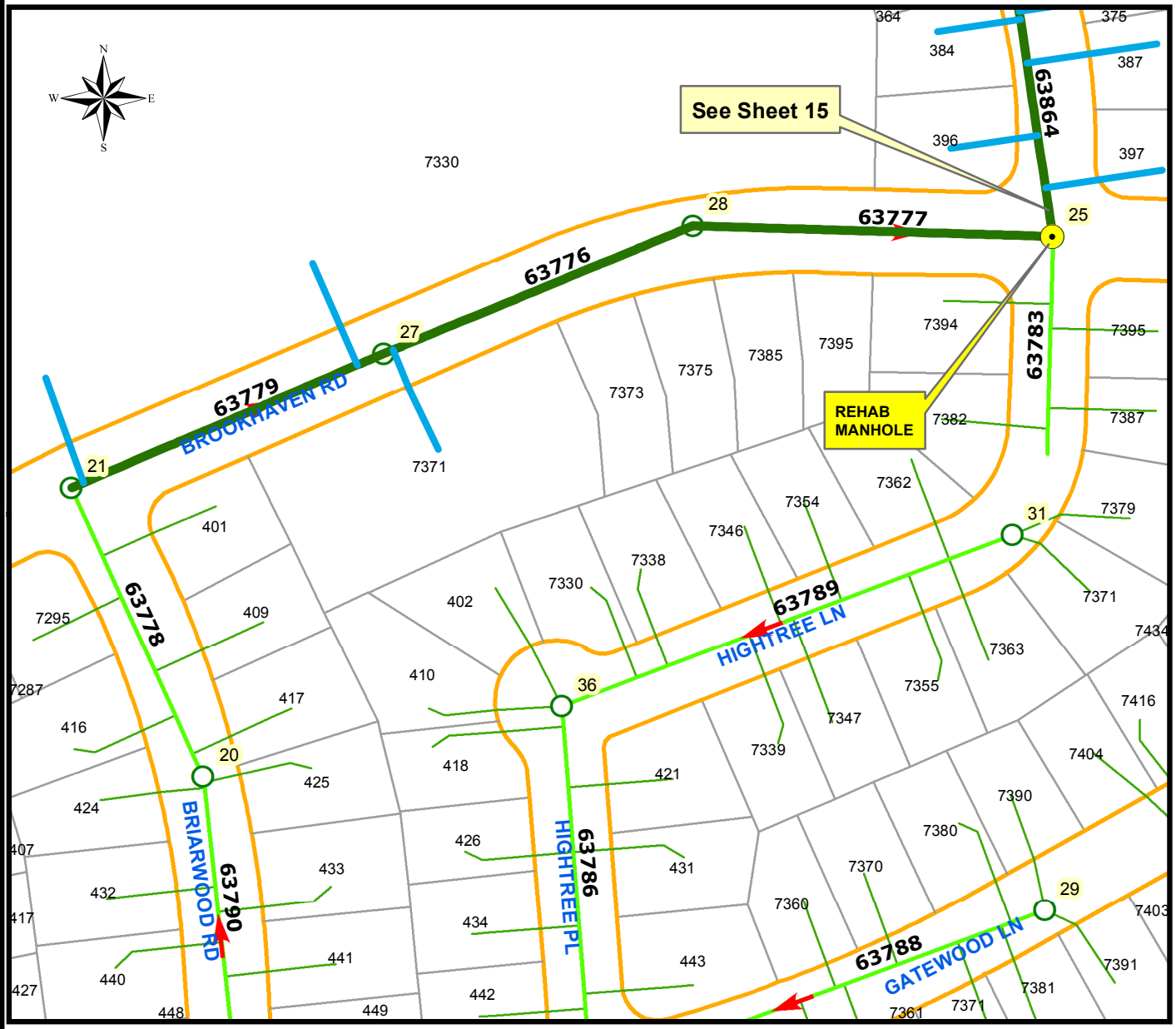
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 14 OF SHEET 30

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- | | | |
|---------------------------|----------------------|--------------------------------|
| Sewer Lateral With C/O | Install New Cleanout | EX Manholes |
| New Manhole | Sewer Lateral Rehab | 1234 Sewer Main FSN No. |
| Sewer Manhole Replacement | Sewer Main Rehab | 123 Manhole MAP ID. |
| Rehab Manhole | Right of Way | |
| Flow Direction Arrows | Mains | |

COMMUNITY NAME: Skyline-Paradise Hills

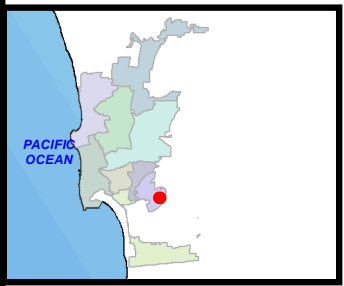
COUNCIL DISTRICT: 4

SAP ID: B16109

Date: March 30, 2016

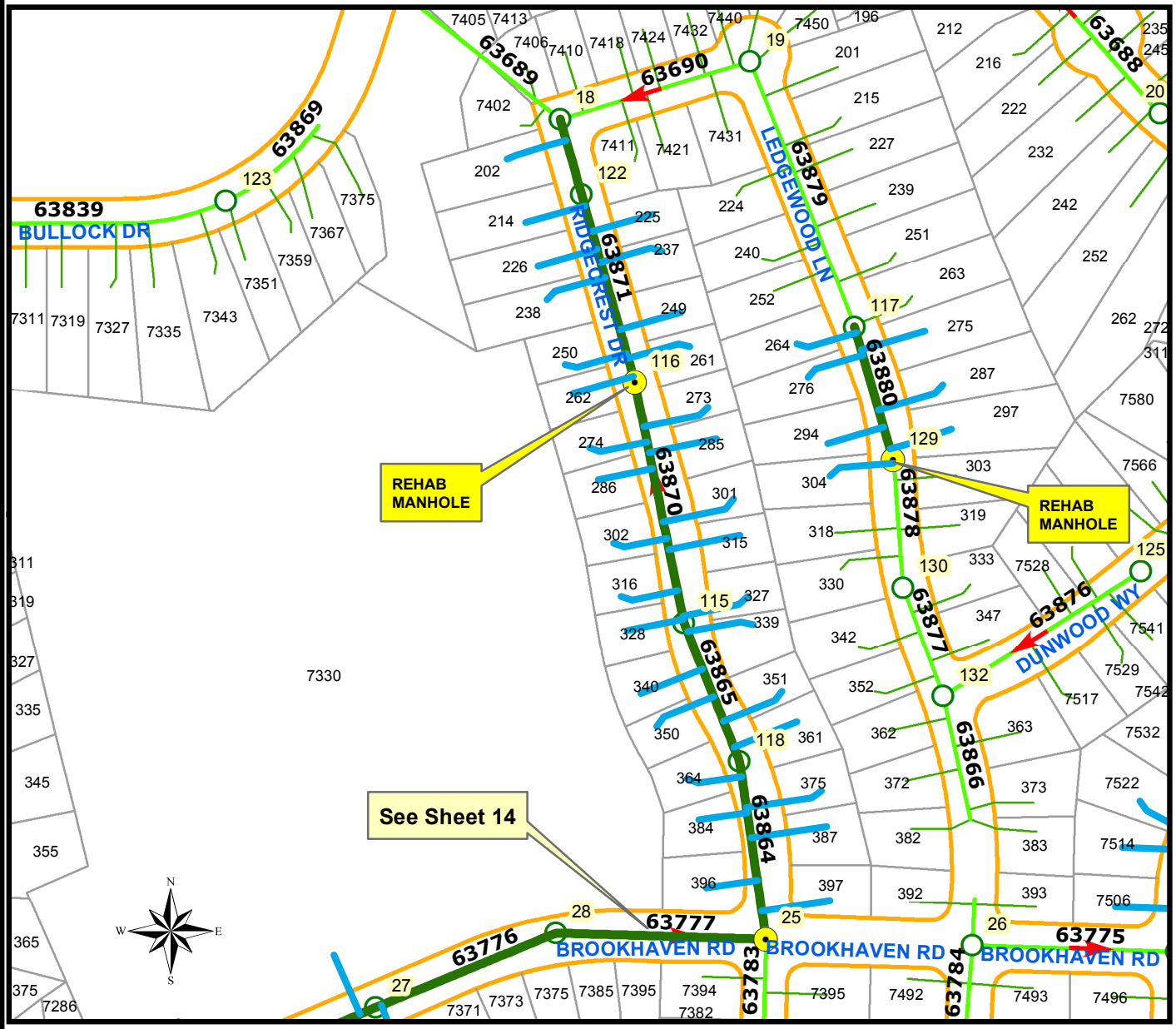


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The City of
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PIPELINE REHABILITATION AK-1
SHEET 15 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



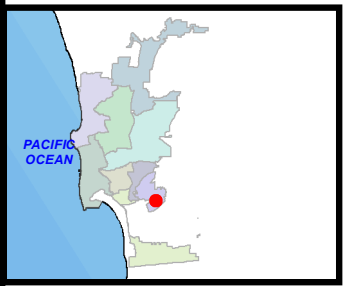
Legend

	Mains		EX Manholes
	Sewer Lateral With C/O		Install New Cleanout
	New Manhole		Sewer Lateral Rehab
	Sewer Manhole Replacement		Sewer Main Rehab
	Rehab Manhole		Right of Way

1234 Sewer Main FSN No.
123 Manhole MAP ID.
 Flow Direction Arrows

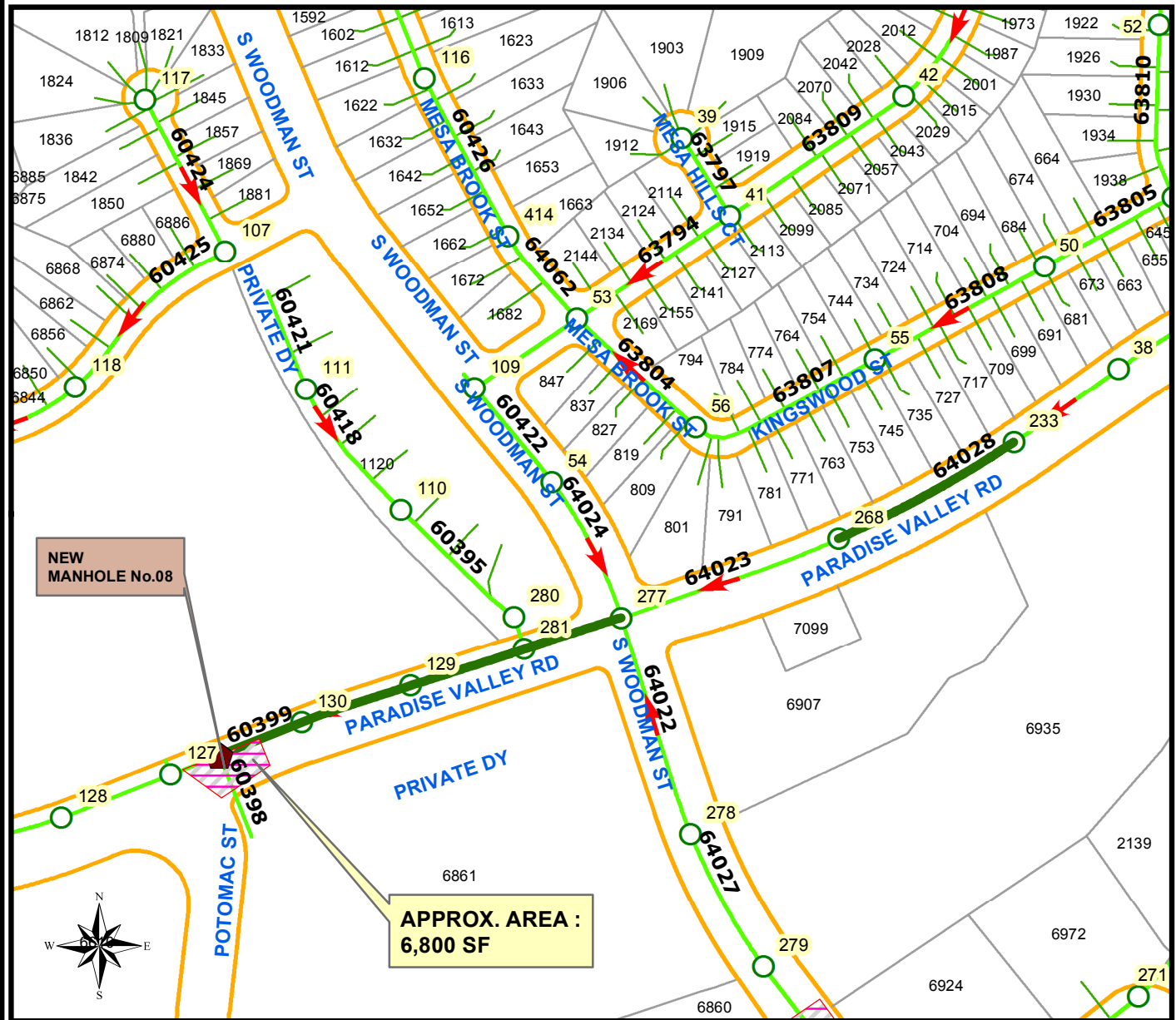


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PIPELINE REHABILITATION AK-1
SHEET 16 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

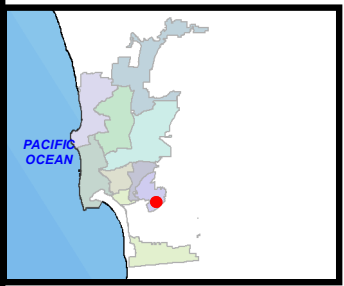
- Sewer Lateral With C/O
- Sewer Manhole Replacement
- Rehab Manhole
- TYPE I OVER TYPE II SLURRY
- Install New Cleanout
- Sewer Lateral Rehab
- Sewer Main Rehab
- Right of Way
- Mains
- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.
- ↑ Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills COUNCIL DISTRICT: 4 SAP ID: B16109

Date: March 30, 2016



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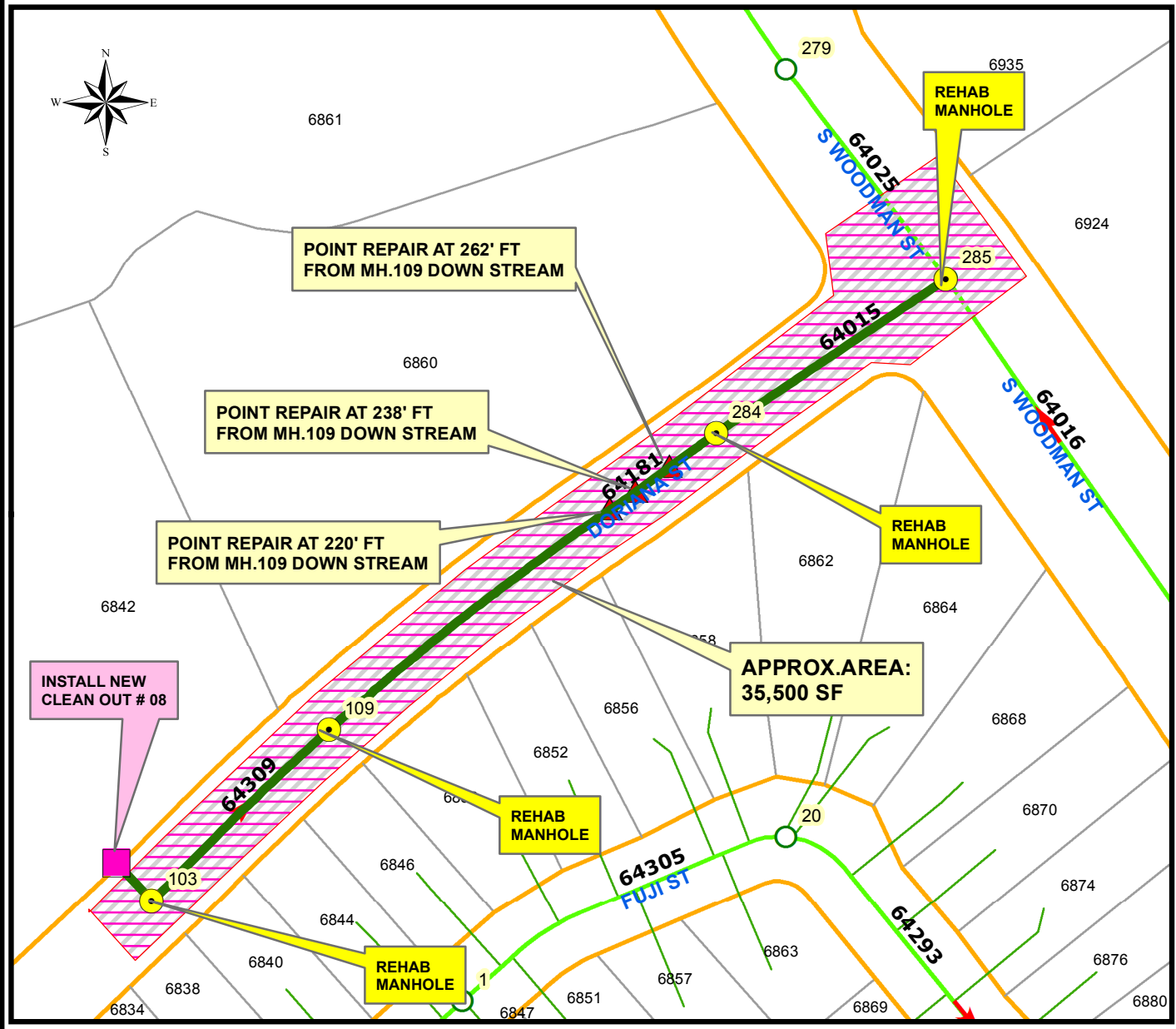
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 17 OF SHEET 30

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
- Sewer Lateral Rehab
- 1234 Sewer Main FSN No.
- Sewer Manhole Replacement
- Sewer Main Rehab
- 123 Manhole MAP ID.
- Rehab Manhole
- Point Repair
- Right of Way
- Flow Direction Arrows
- TYPE I OVER TYPE II SLURRY
- Mains

COMMUNITY NAME: Skyline-Paradise Hills

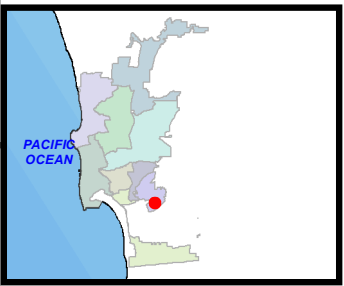
COUNCIL DISTRICT: 4

SAP ID: B16109

Date: March 30, 2016



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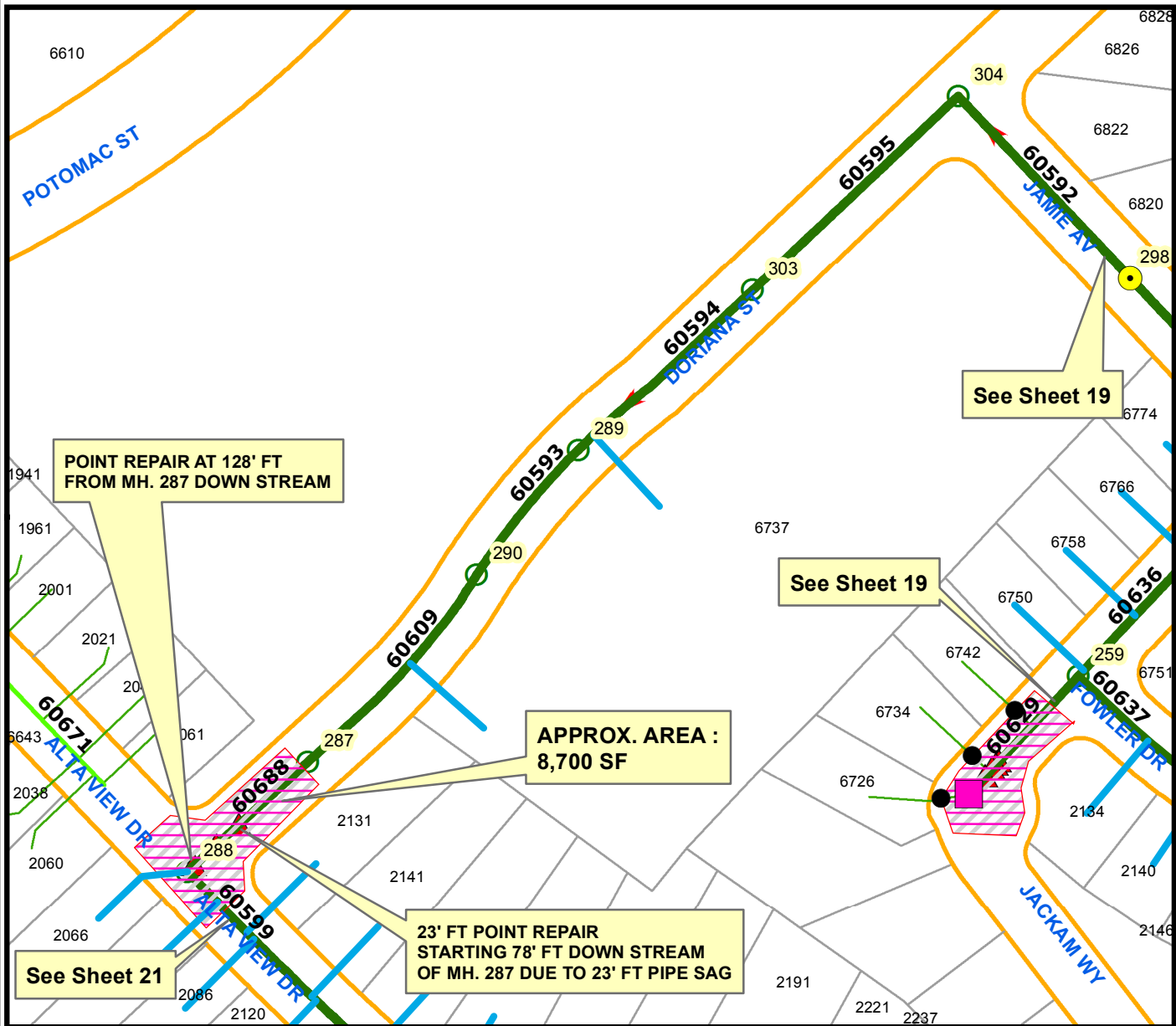
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 18 OF SHEET 30

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- | | | |
|----------------------------|----------------------|--------------------------------|
| Sewer Lateral With C/O | Install New Cleanout | EX Manholes |
| New Manhole | Sewer Lateral Rehab | 1234 Sewer Main FSN No. |
| Sewer Manhole Replacement | Sewer Main Rehab | 123 Manhole MAP ID. |
| Rehab Manhole | Point Repair | Right of Way |
| TYPE I OVER TYPE II SLURRY | Mains | Flow Direction Arrows |



COMMUNITY NAME: Skyline-Paradise Hills

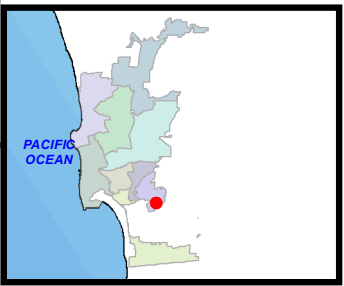
COUNCIL DISTRICT: 4

SAP ID: B16109

Date: March 30, 2016

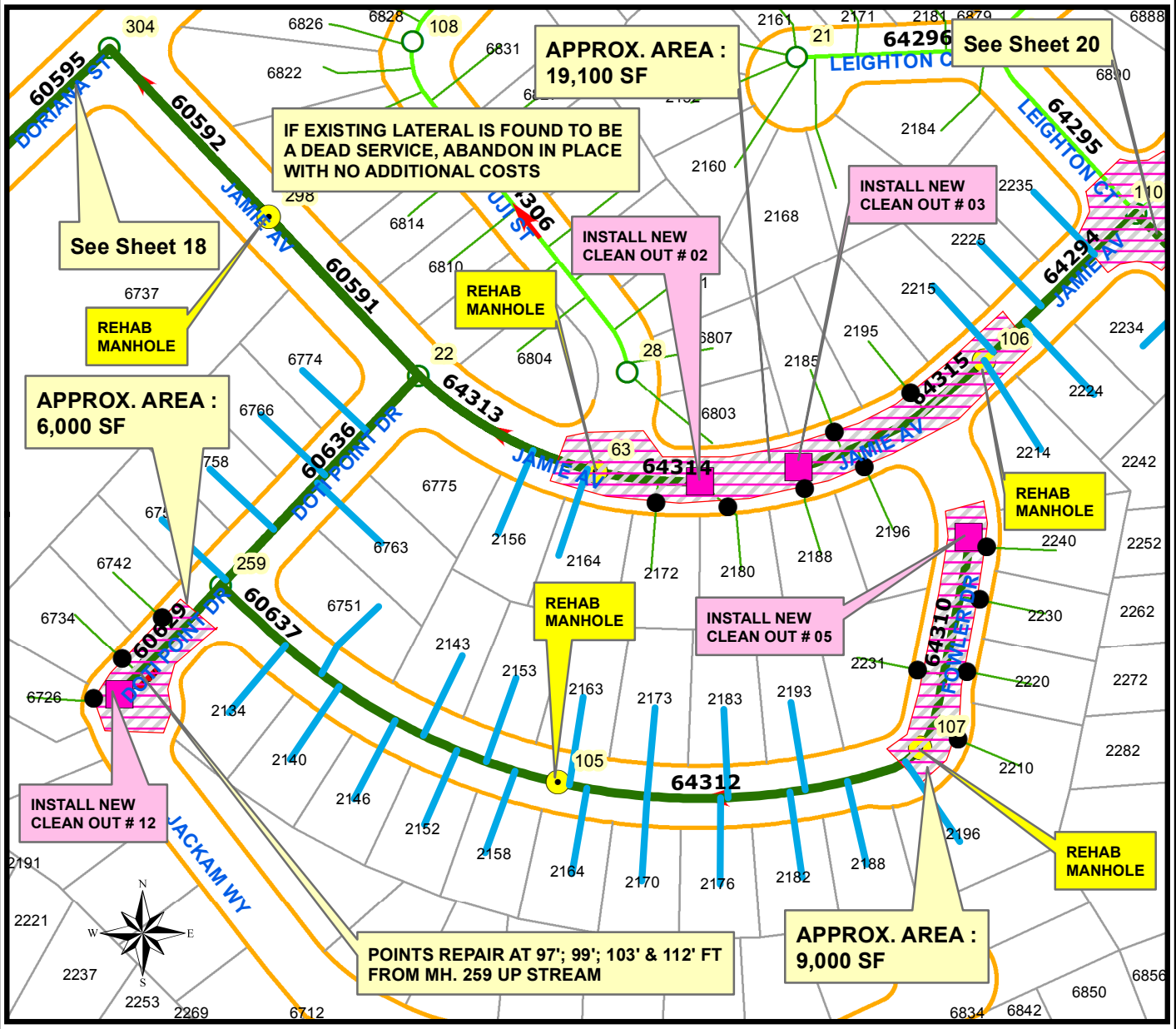


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The City of
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PIPELINE REHABILITATION AK-1
SHEET 19 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



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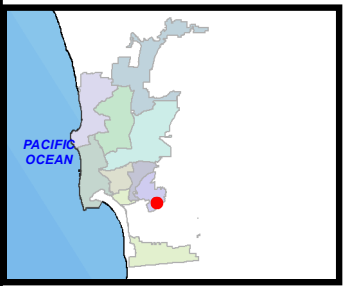
- Sewer Lateral With C/O
- ◆ New Manhole
- Sewer Manhole Replacement
- Rehab Manhole
- TYPE I OVER TYPE II SLURRY
- Install New Cleanout
- Sewer Lateral Rehab
- Sewer Main Rehab
- ▲ Point Repair
- Mains
- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP.ID
- Right of Way
- ↑ Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills COUNCIL DISTRICT: 4 SAP ID: B16109

Date: August 01, 2017



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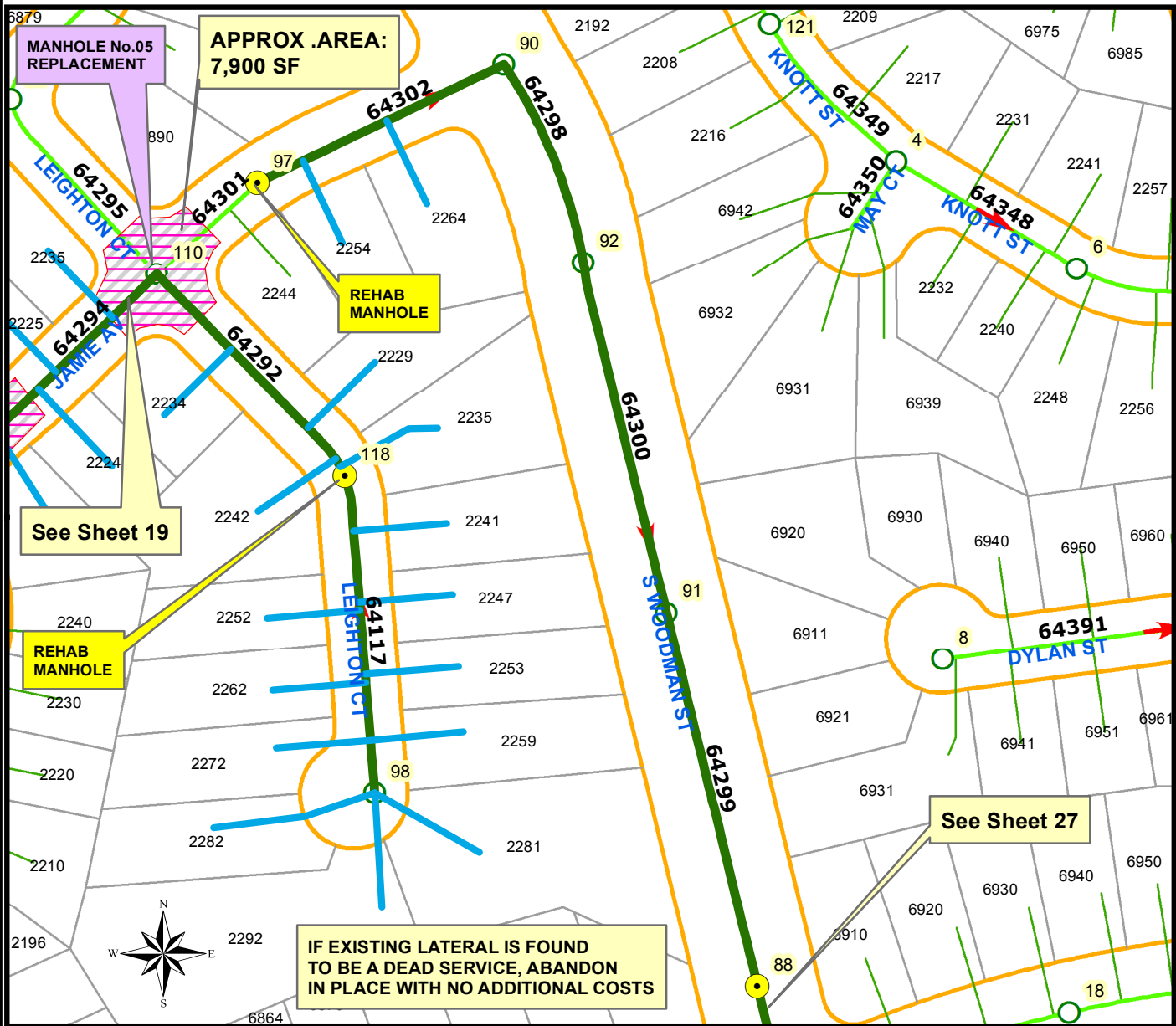
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 20 OF SHEET 30

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
 - Install New Cleanout
 - EX Manholes
 - ◆ New Manhole
 - Sewer Lateral Rehab
 - Sewer Manhole Replacement
 - Sewer Main Rehab
 - Rehab Manhole
 - ▨ TYPE I OVER TYPE II SLURRY
 - ↑ Flow Direction Arrows
 - Mains
- 1234 Sewer Main FSN No.**
- 123 Manhole MAP ID.**
- Right of Way

COMMUNITY NAME: Skyline-Paradise Hills

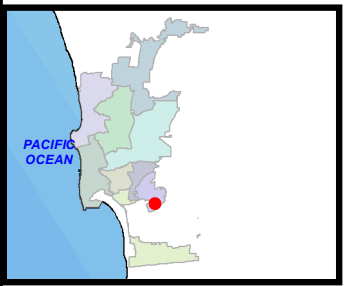
COUNCIL DISTRICT: 4

SAP ID: B16109

Date: August 01, 2017



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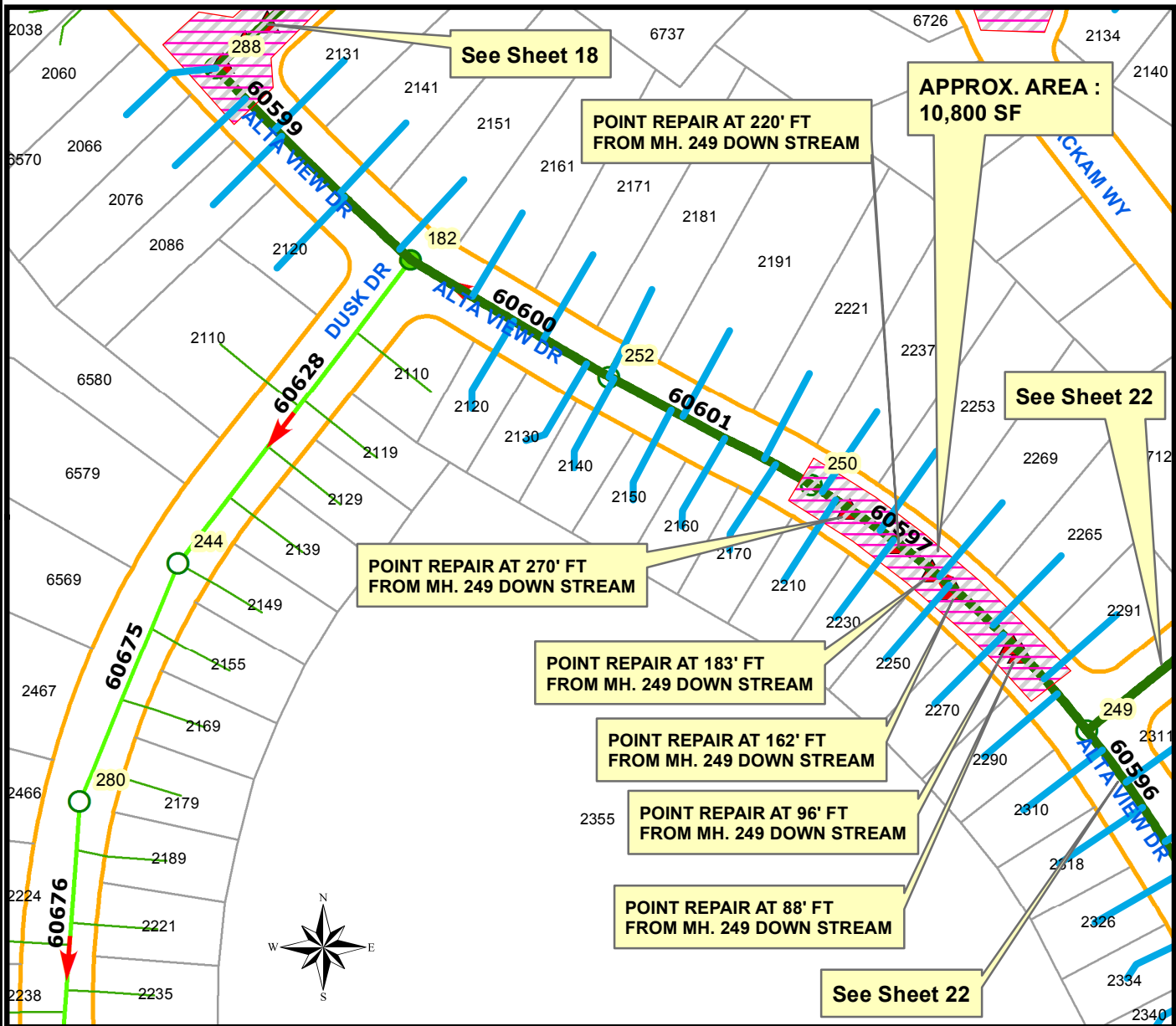
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 21 OF SHEET 30

SENIOR ENGINEER
NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
- Sewer Lateral Rehab
- 1234** Sewer Main FSN No.
- Sewer Manhole Replacement
- Sewer Main Rehab
- 123** Manhole MAP ID.
- Rehab Manhole
- Point Repair
- Right of Way
- TYPE I OVER TYPE II SLURRY
- Mains
- Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

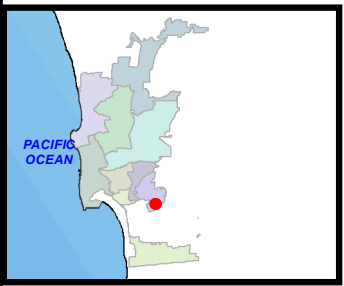
COUNCIL DISTRICT: 4

SAP ID: B16109

Date: March 30, 2016

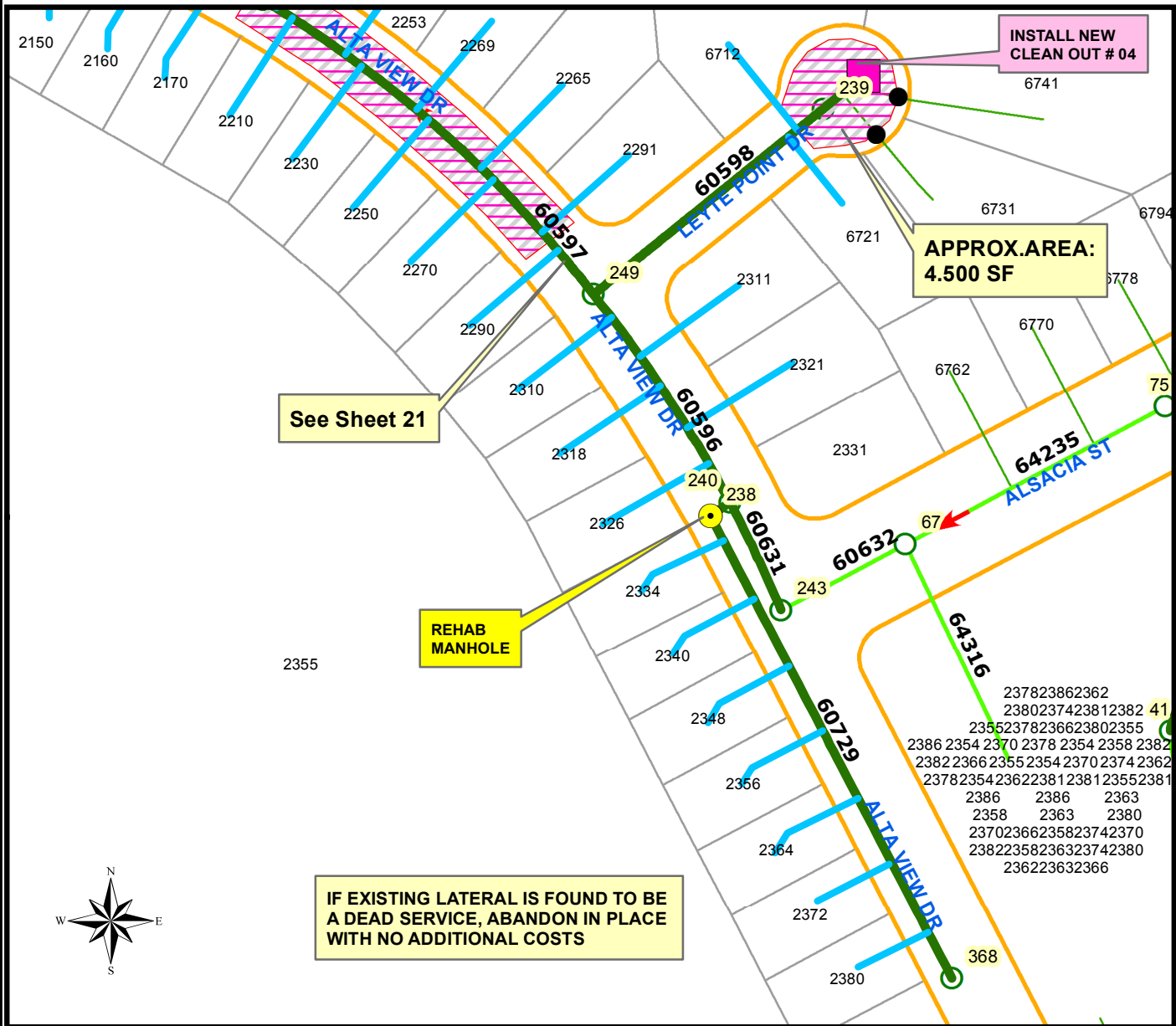


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The City of
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PIPELINE REHABILITATION AK-1
SHEET 22 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov

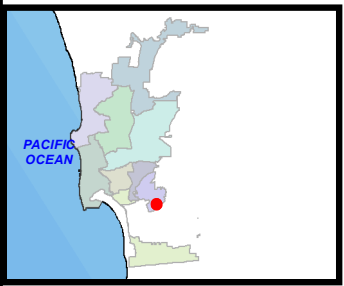


Legend

	Sewer Lateral With C/O		Install New Cleanout		EX Manholes
	New Manhole		Sewer Lateral Rehab	1234	Sewer Main FSN No.
	Sewer Manhole Replacement		Sewer Main Rehab	123	Manhole MAP ID.
	Rehab Manhole		TYPE I OVER TYPE II SLURRY		Right of Way
	Flow Direction Arrows		Mains		

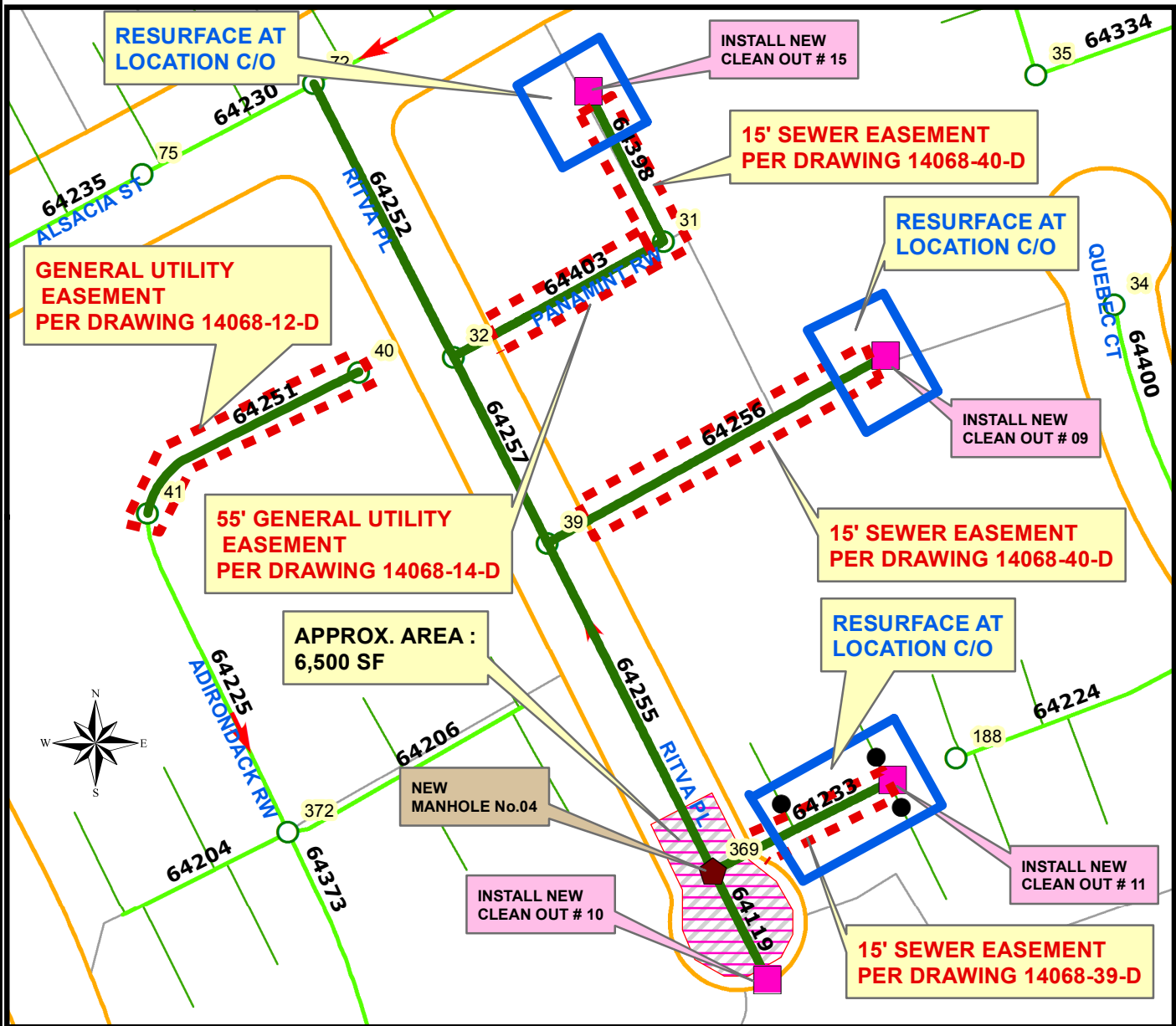


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The City of
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PIPELINE REHABILITATION AK-1
SHEET 23 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
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Legend

- Sewer Lateral With C/O
- Ex. Easement
- New Manhole
- Sewer Manhole Replacement
- Rehab Manhole
- Install New Cleanout
- Sewer Lateral Rehab
- Sewer Main Rehab
- TYPE I OVER TYPE II SLURRY
- Mains
- Right of Way
- EX Manholes
- 1234 Sewer Main FSN No.**
- 123 Manhole MAP ID.**
- Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

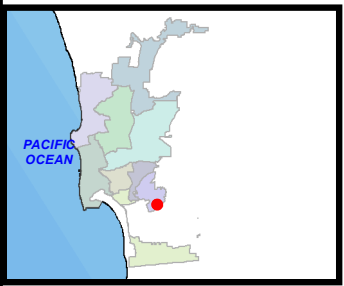
COUNCIL DISTRICT: 4

SAP ID: B16109

Date: March 30, 2016



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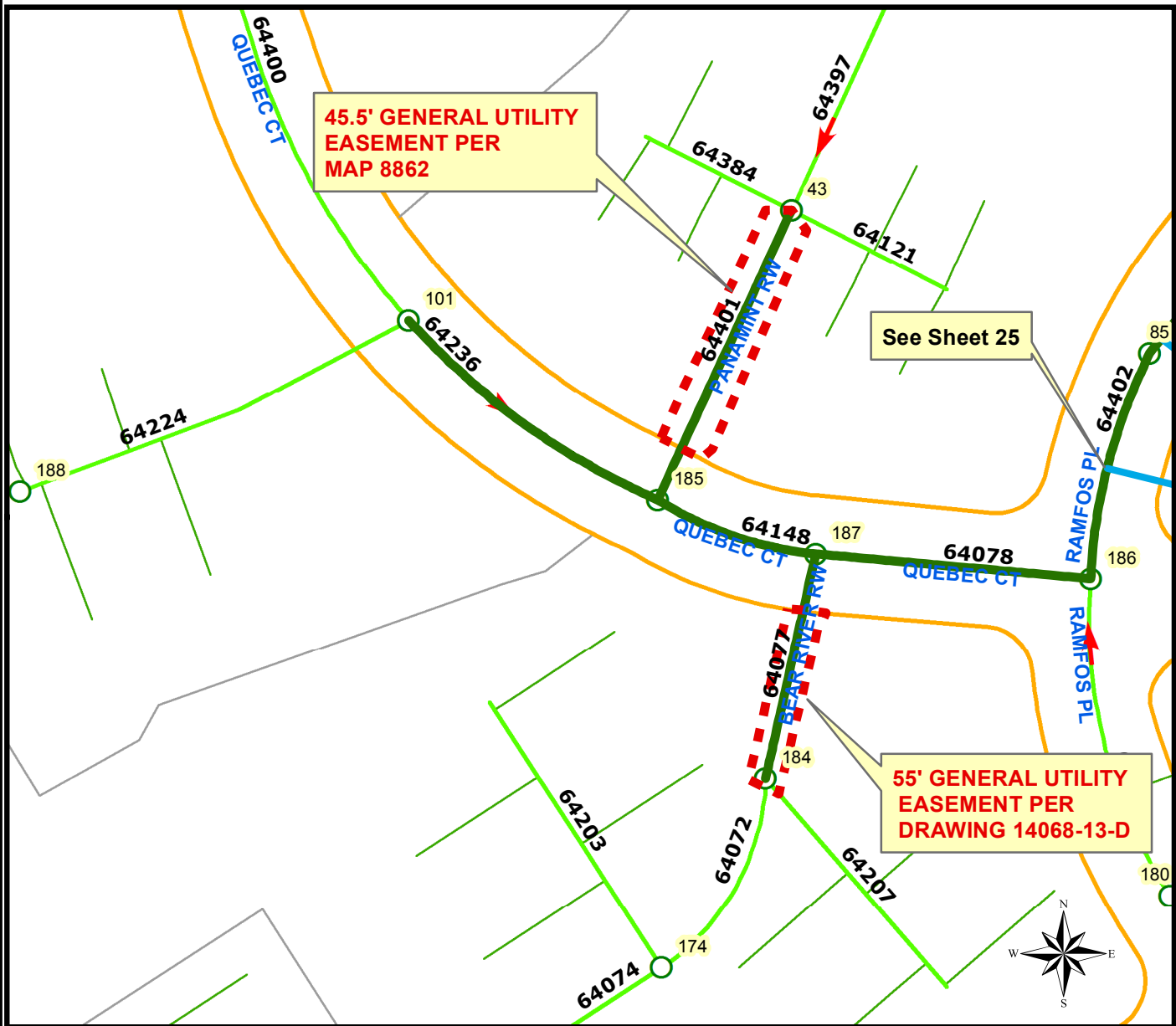
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 24 OF SHEET 30

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
 Call: (619) 533-4207
 Email: engineering@sandiego.gov



Legend

- Sewer Lateral With C/O
- Ex. Easement
- New Manhole
- Sewer Manhole Replacement
- Rehab Manhole
- Install New Cleanout
- Sewer Lateral Rehab
- Sewer Main Rehab
- Right of Way
- Mains
- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.
- Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

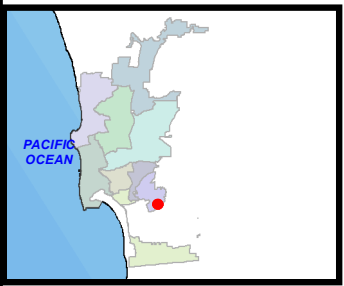
COUNCIL DISTRICT: 4

SAP ID: B16109

Date: March 30, 2016

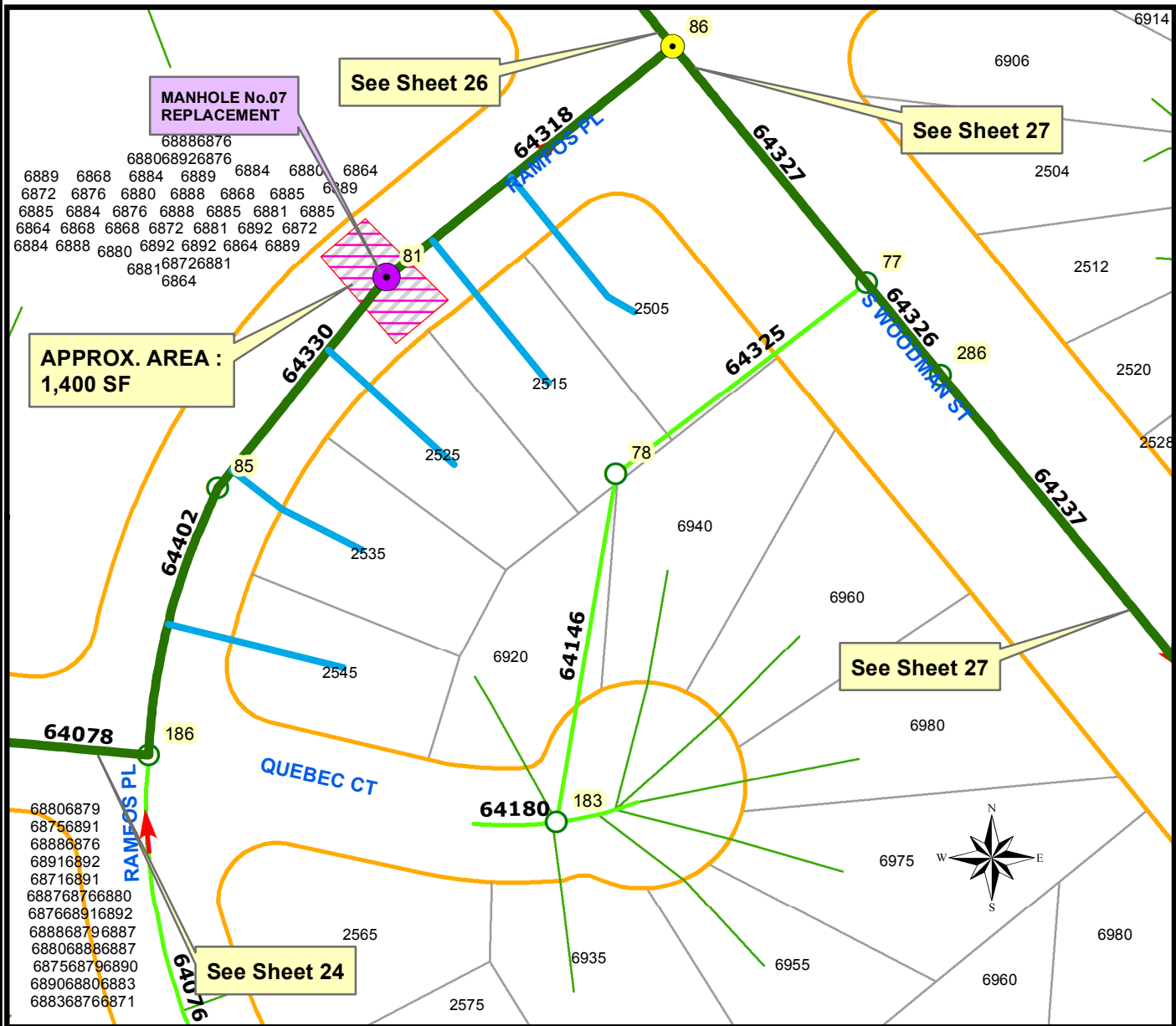


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The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 25 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
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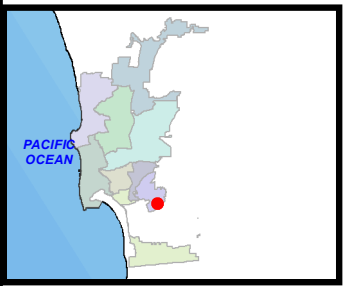


Legend

- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
- Sewer Lateral Rehab
- 1234 Sewer Main FSN No.**
- Sewer Manhole Replacement
- Sewer Main Rehab
- 123 Manhole MAP ID.**
- Rehab Manhole
- TYPE I OVER TYPE II SLURRY
- Right of Way
- Flow Direction Arrows
- Mains

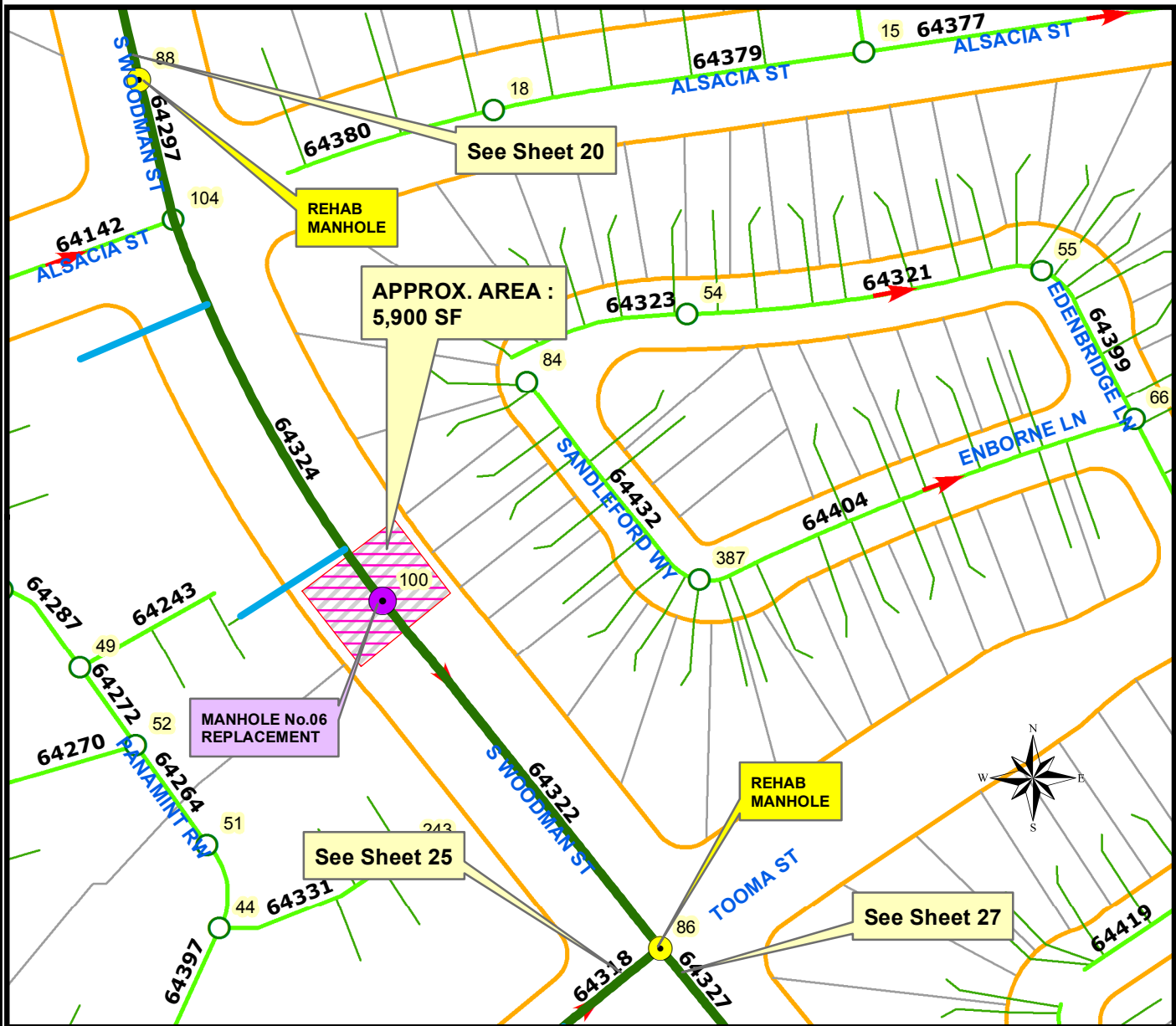


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The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 26 OF SHEET 30

SENIOR ENGINEER NABIL BATTA (619) 533-4145	PROJECT MANAGER DANIEL TITTLE (619) 533-7468	PROJECT ENGINEER ALISHIA BALLARD (619) 235-1967	FOR QUESTIONS ABOUT THIS PROJECT Call: (619) 533-4207 Email: engineering@san Diego.gov
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Legend

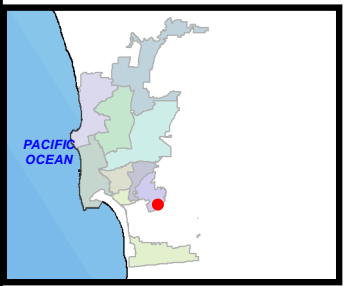
- | | | |
|---------------------------|----------------------------|--------------------------------|
| Sewer Lateral With C/O | Install New Cleanout | EX Manholes |
| New Manhole | Sewer Lateral Rehab | 1234 Sewer Main FSN No. |
| Sewer Manhole Replacement | Sewer Main Rehab | 123 Manhole MAP ID. |
| Rehab Manhole | TYPE I OVER TYPE II SLURRY | Right of Way |
| Flow Direction Arrows | Mains | |

COMMUNITY NAME: Skyline-Paradise Hills COUNCIL DISTRICT: 4 SAP ID: B16109

Date: March 30, 2016

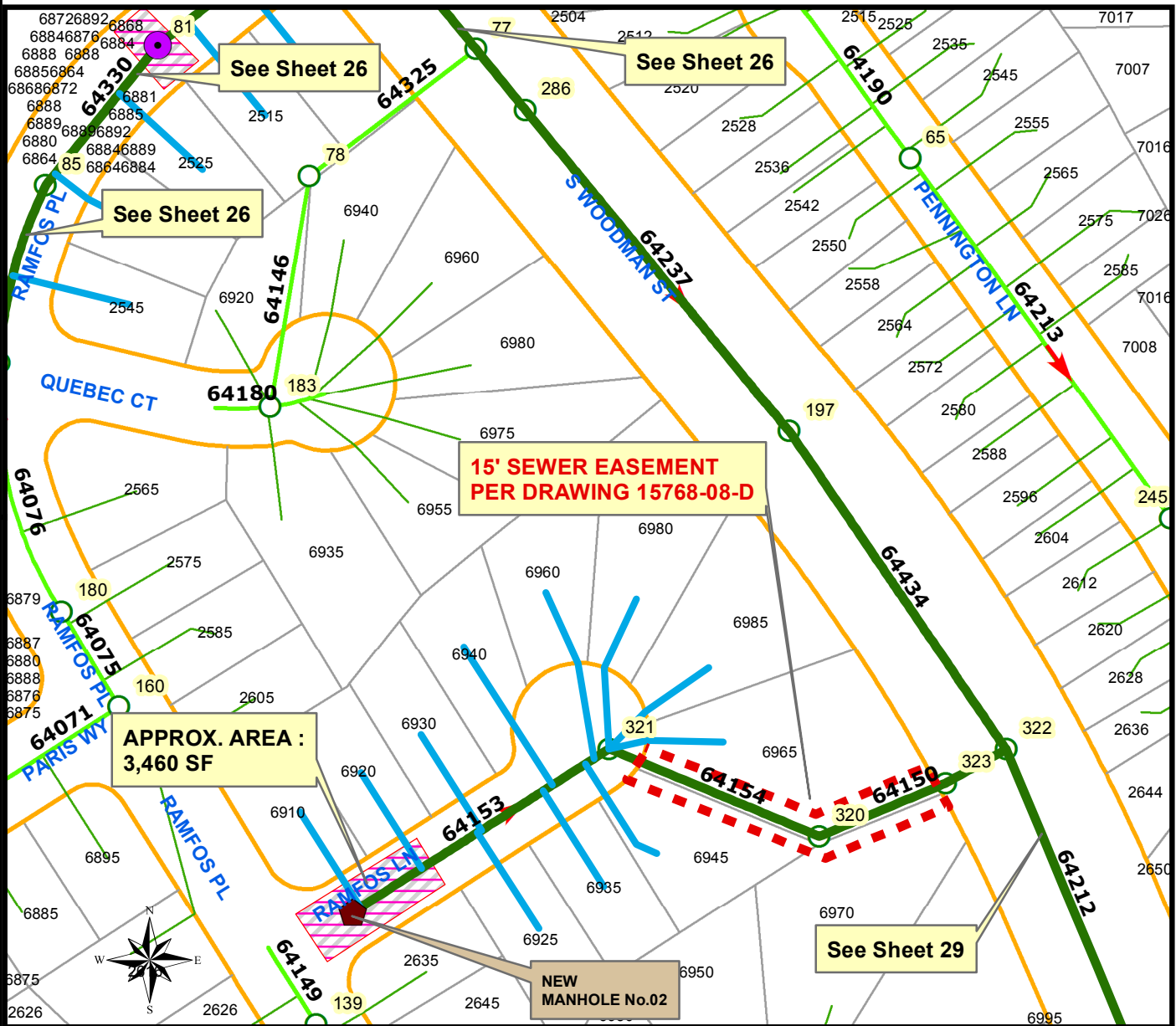


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The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 27 OF SHEET 30

SENIOR ENGINEER: NABIL BATTA (619) 533-4145
 PROJECT MANAGER: DANIEL TITTLE (619) 533-7468
 PROJECT ENGINEER: ALISHIA BALLARD (619) 235-1967
 FOR QUESTIONS ABOUT THIS PROJECT
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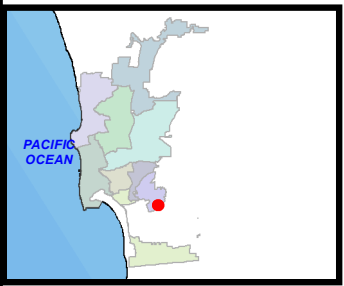


Legend

- Sewer Lateral With C/O
- - - Ex. Easement
- ▮ New Manhole
- Sewer Manhole Replacement
- Rehab Manhole
- ▨ Install New Cleanout
- Sewer Lateral Rehab
- Sewer Main Rehab
- ▨ TYPE I OVER TYPE II SLURRY
- Mains
- Right of Way
- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.
- ↑ Flow Direction Arrows

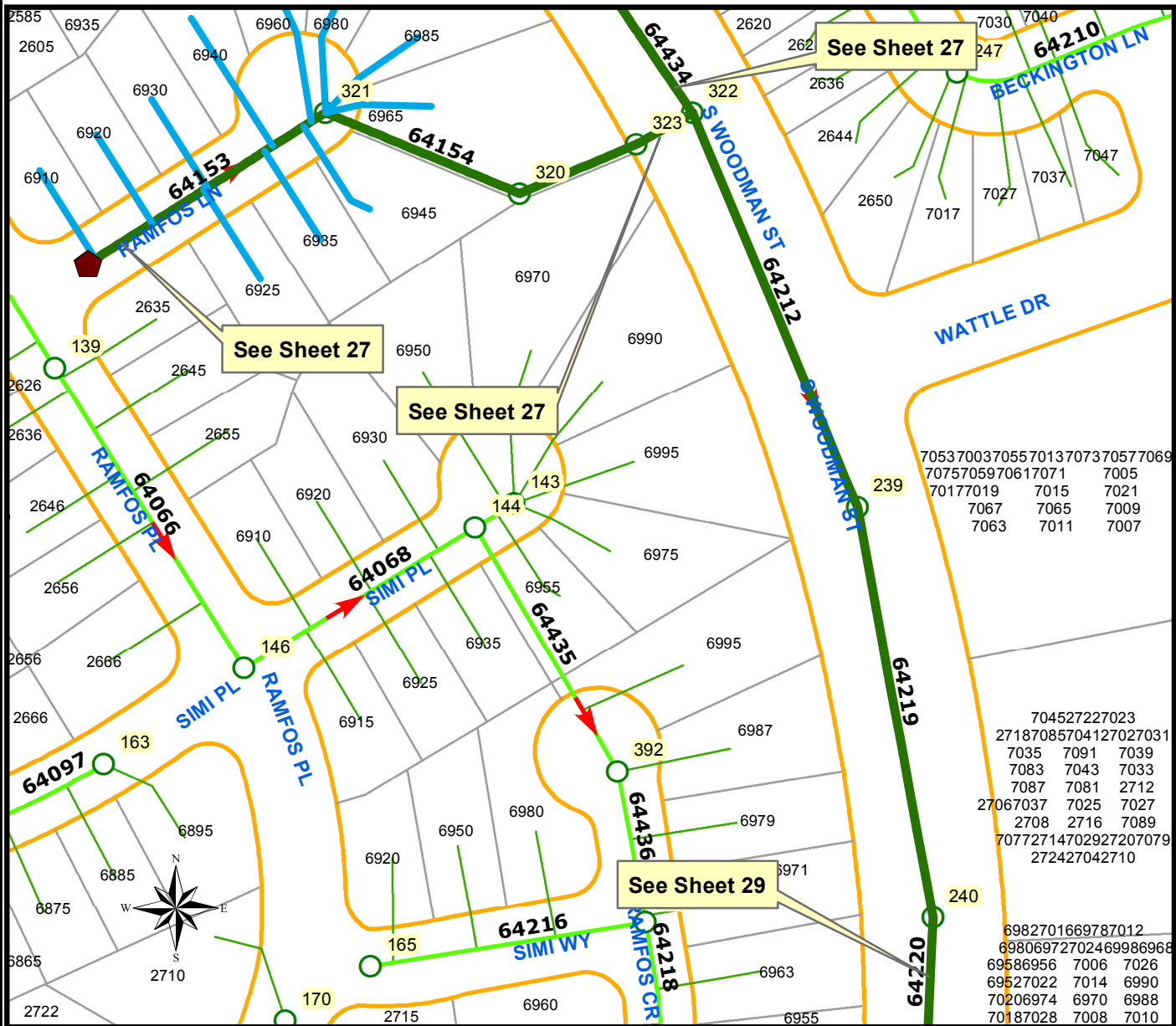


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The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 28 OF SHEET 30

SENIOR ENGINEER NABIL BATTA (619) 533-4145	PROJECT MANAGER DANIEL TITTLE (619) 533-7468	PROJECT ENGINEER ALISHIA BALLARD (619) 235-1967
FOR QUESTIONS ABOUT THIS PROJECT Call: (619) 533-4207 Email: engineering@sandiego.gov		



7053	7003	7055	7013	7073	7057	7069
7075	7059	7061	7071	7005		
7017	7019	7015	7021			
7067	7065	7009				
7063	7011	7007				
7045	2722	7023				
2718	7085	7041	1270	2703	1	
7035	7091	7039				
7083	7043	7033				
7087	7081	2712				
2706	7037	7025	7027			
2708	2716	7089				
7077	2714	7029	2707	7079		
2724	2704	2710				
6982	2701	6697	7870	12		
6980	6972	7024	6998	6968		
6958	6956	7006	7026			
6952	2702	7014	6990			
7020	6974	6970	6988			
7018	7028	7008	7010			

Legend

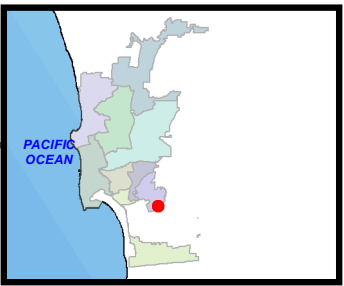
- Sewer Lateral With C/O
 - Install New Cleanout
 - EX Manholes
 - New Manhole
 - Sewer Lateral Rehab
 - Sewer Manhole Replacement
 - Sewer Main Rehab
 - Rehab Manhole
 - Right of Way
 - Flow Direction Arrows
 - Mains
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.

COMMUNITY NAME: Skyline-Paradise Hills COUNCIL DISTRICT: 4 SAP ID: B16109

Date: March 30, 2016



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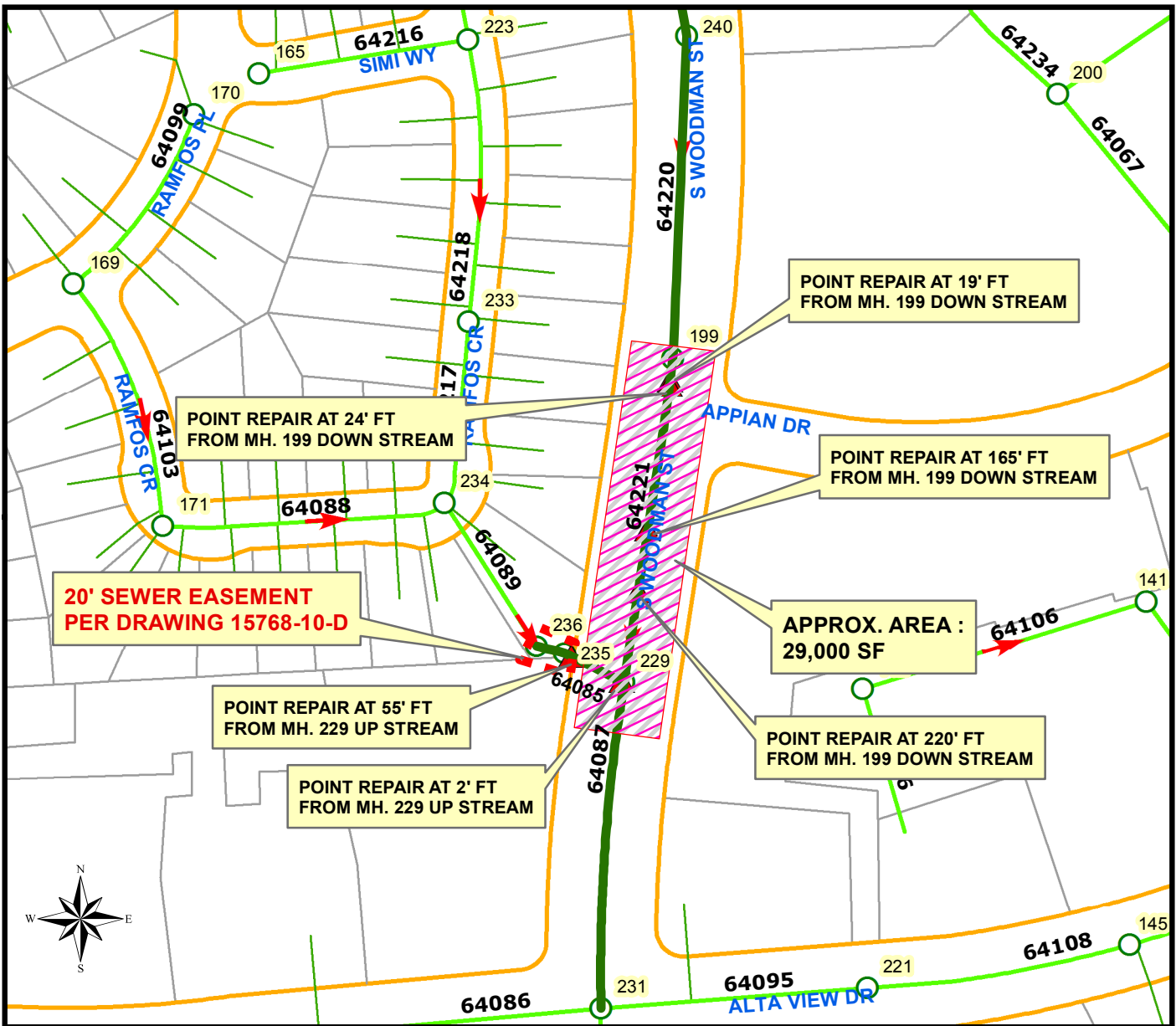
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 29 OF SHEET 30

SENIOR ENGINEER
 NABIL BATTA
 (619) 533-4145

PROJECT MANAGER
 DANIEL TITTLE
 (619) 533-7468

PROJECT ENGINEER
 ALISHIA BALLARD
 (619) 235-1967

FOR QUESTIONS ABOUT THIS PROJECT
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Legend

- Sewer Lateral With C/O
- Ex. Easement
- New Manhole
- Sewer Manhole Replacement
- TYPE I OVER TYPE II SLURRY
- Install New Cleanout
- Sewer Lateral Rehab
- Sewer Main Rehab
- Point Repair
- Mains
- EX Manholes
- 1234** Sewer Main FSN No.
- 123** Manhole MAP ID.
- Right of Way
- Flow Direction Arrows

COMMUNITY NAME: Skyline-Paradise Hills

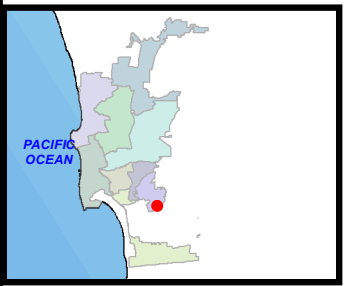
COUNCIL DISTRICT: 4

SAP ID: B16109

Date: March 30, 2016



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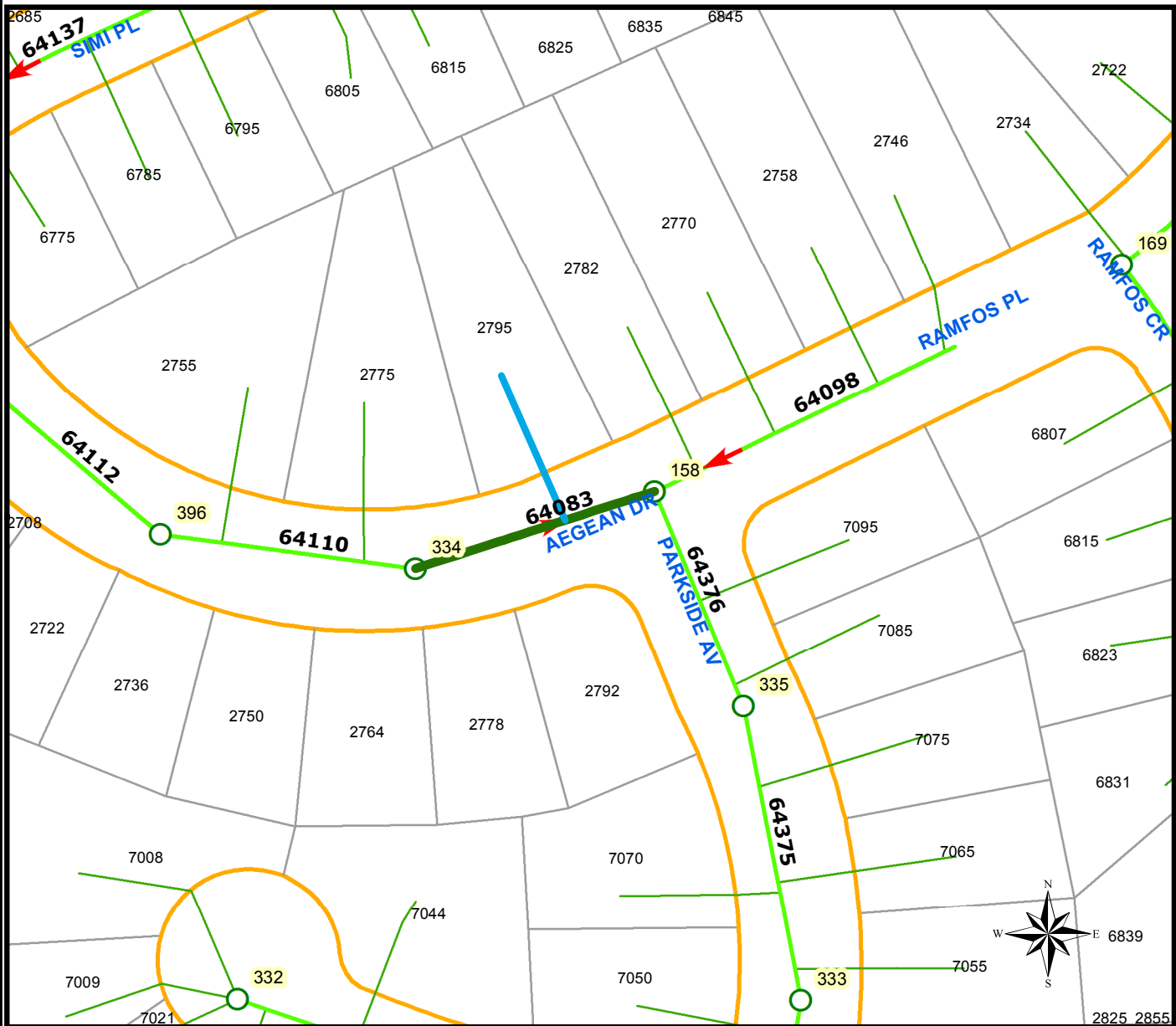
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AK-1
SHEET 30 OF SHEET 30

SENIOR ENGINEER
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Legend

- Sewer Lateral With C/O
- Install New Cleanout
- EX Manholes
- New Manhole
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- 1234** Sewer Main FSN No.
- Sewer Manhole Replacement
- Sewer Main Rehab
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- Rehab Manhole
- Right of Way
- Flow Direction Arrows
- Mains

COMMUNITY NAME: Skyline-Paradise Hills

COUNCIL DISTRICT: 4

SAP ID: B16109

Date: March 30, 2016



ATTACHMENT F
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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 **Burtech Pipeline Incorporated**, herein called "Contractor" for construction of **Pipeline Rehabilitation AK-1**; Bid No. **K-18-1593-DBB-3**; in the amount of **Two Million Five Hundred Eighty One Thousand Dollars and Zero Cents. (\$2,581,000.00)**, which is comprised of the Base Bid.

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) Phase Funding Schedule Agreement.
 - (e) That certain documents entitled **Pipeline Rehabilitation AK-1**, on file in the office of the Public Works Department as Document No. **B-16109**, 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 **Pipeline Rehabilitation AK-1**, Bid Number **K-18-1593-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

Mara W. Elliott, City Attorney

By 

By 

Print Name: Stephen Samara
Principal Contract Specialist
Public Works Department

Print Name: Pedro De Lara, Jr.
Deputy City Attorney

Date: 2-27-2018

Date: 3/13/18

CONTRACTOR
BURTECH PIPELINE INC.

By 

Print Name: DOMINIC J. BURTECH

Title: PRESIDENT & CEO

Date: 12/7/2017

City of San Diego License No.: B1996002066

State Contractor's License No.: 718202

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000006324

CERTIFICATIONS AND FORMS

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 certifications, forms and affidavits submitted as part of this bid 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 whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

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:

Pipeline Rehabilitation AK-1

(Name of Project or Task)

as particularly described in said contract and identified as Bid No. **1593**; SAP No. (WBS/IO/CC) **B-16109**; 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

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.

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	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: _____							

- Ⓢ 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 | | |
- Ⓞ 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	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 ^①	WHERE CERTIFIED ^②
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 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 BURTECH PIPELINE, INCORPORATED as Principal, and
NORTH AMERICAN SPECIALTY INSURANCE COMPANY 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


PIPELINE REHABILITATION AK-1

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 24TH day of OCTOBER, 2017

BURTECH PIPELINE, INCORPORATED (SEAL)
(Principal)

NORTH AMERICAN SPECIALTY
INSURANCE COMPANY (SEAL)
(Surety)

By: 
(Signature) DOMINIC J. BURTECH, JR., PRESIDENT

By: 
(Signature) MARK D. IATAROLA, ATTORNEY-IN-FACT

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

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 11/13/17 before me, Arthur P. Arquilla, Notary Public
(Here insert name and title of the officer)

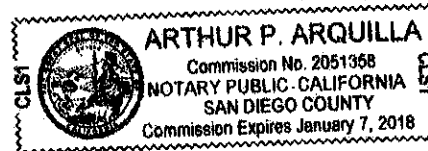
personally appeared Dominic Butech
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by (his)/her/their signature(s) 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.

Arthur P. Arquilla
Notary Public Signature

(Notary Public Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages _____ Document Date _____

CAPACITY CLAIMED BY THE SIGNER

- Individual (s)
- Corporate Officer
- _____ (Title)
- Partner(s)
- Attorney-in-Fact
- Trustee(s)
- Other _____

INSTRUCTIONS FOR COMPLETING THIS FORM

This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/they- is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

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 10/24/2017 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: _____

NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Manchester, New Hampshire, and Washington International Insurance Company, a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Schaumburg, Illinois, each does hereby make, constitute and appoint:

JOHN G. MALONEY, HELEN MALONEY, MICHELLE M. BASUIL,

and MARK D. IATAROLA

JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of: FIFTY MILLION (\$50,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on the 9th of May, 2012:

"RESOLVED, that any two of the Presidents, any Managing Director, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached."



By [Signature] Steven P. Anderson, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company



By [Signature] Michael A. Ito, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company

IN WITNESS WHEREOF, North American Specialty Insurance Company and Washington International Insurance Company have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 17th day of September, 2015.

North American Specialty Insurance Company
Washington International Insurance Company

State of Illinois
County of Cook ss:

On this 17th day of September, 2015, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Michael A. Ito, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



[Signature] M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Assistant Secretary of North American Specialty Insurance Company and Washington International Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company and Washington International Insurance Company, which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 24th day of OCTOBER, 2017.

[Signature] Jeffrey Goldberg, Vice President & Assistant Secretary of Washington International Insurance Company & North American Specialty Insurance Company

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.

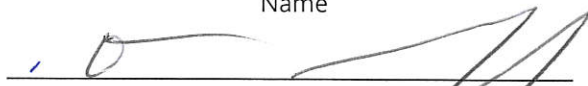
- The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of 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
	NOT APPLICABLE				

Contractor Name: BURTECH PIPELINE INCORPORATED

Certified By DOMINIC J. BURTECH Title PRESIDENT & CEO

Name



Signature

Date 11/14/2017

USE ADDITIONAL FORMS AS NECESSARY



Public Works Department
Contracts Division

This comes to inform you that, pursuant to changes resulting from California Senate Bill 96, the City will be amending the terms of your upcoming contract to reflect the changes as follows:

Replace the Attachment D that was included in the solicitation with the revised Attachment D attached hereto.

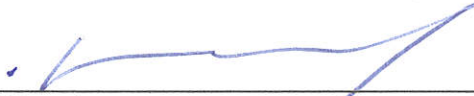
Please complete below, sign and return to me at your earliest convenience.

K-18-1593-DBB-3
RFP/Bid Number

BURTECH PIPELINE INC.
Firm Name

Pipeline Rehabilitation AK-1
Project Name

DOMINIC BURTECH, President & CEO
Print Name/Title


Signature

cc: Stephen Samara, Principal Contract Specialist, Public Works Department
Rosa Isela Riego, Senior Contract Specialist, Public Works Department
File

Attachment

ATTACHMENT D

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).

City of San Diego

CITY CONTACT: Angelica Gil, Contract Specialist, Email: AngelicaG@sandiego.gov
Phone No. (619) 533-3622, Fax No. (619) 533-3633

ADDENDUM B



FOR PIPELINE REHABILITATION AK-1

BID NO.: _____ K-18-1593-DBB-3
SAP NO. (WBS/IO/CC): _____ B-16109
CLIENT DEPARTMENT: _____ 2000
COUNCIL DISTRICT: _____ 4
PROJECT TYPE: _____ JA

BID DUE DATE:

**2:00 PM
NOVEMBER 14, 2017
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
1010 SECOND AVENUE, 14th FLOOR, MS 614C
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:

_____ Seal:
1) Registered Engineer _____ Date

Nabil Samih Batta Seal:
2) For City Engineer _____ Date
10-26-2017



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. BIDDER’S QUESTIONS

Q1. I know this is last minute, but bid item 8 Asphalt Pavement Repair is not delineated anywhere on the plans. On these projects, that bid item is usually 100 Tons or 5000 sf, never such a large quantity. This item is pushing the bid way over the engineer estimate. Bids on yesterdays slurry seal bid with 5,000,000 sq ft of slurry seal had 2000 tons. This project has 196,000 sq ft of slurry seal and has 2480 tons. Costs run between\$150-175 per Ton (\$372k-\$434k).

Would the City consider a late addendum to fix this, or at least delineate on the plans where it is located. Often times this bid item isn’t used on these projects, so a contractor has many unknowns.

A1. Bid Item 8 for “Asphalt Pavement Repair” had a quantity discrepancy and has been adjusted. Please see Section C, Additional Changes, of this Addendum.

C. ADDITIONAL CHANGES

1. The following are additional changes to the Line Items in the PlanetBids Tab:

For clarity where applicable, **ADDITIONS**, if any, have been **Underlined** and **DELETIONS**, if any, have been **Stricken out**.

Section	Item Code	Description	UoM	Quantity	Payment Reference
Main Bid	237310	Asphalt Pavement Repair	TON	<u>2,450</u> 20	302-3.2

James Nagelvoort, Director
Public Works Department

Dated: *October 27, 2017*
San Diego, California
JN/RWB/mlw

City of San Diego

CITY CONTACT: Angelica Gil, Email: AngelicaG@sandiego.gov

Phone No. (619) 533-3622, Fax No. (619) 533-3633

ADDENDUM A



PIPELINE REHABILITATION AK-1

BID NO.: _____ K-18-1593-DBB-3
SAP NO. (WBS/IO/CC): _____ B-16109
CLIENT DEPARTMENT: _____ 2000
COUNCIL DISTRICT: _____ 4
PROJECT TYPE: _____ JA

BID DUE DATE:

**2:00 PM
NOVEMBER 14, 2017
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
1010 SECOND AVENUE, 14th FLOOR, MS 614C
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.

THE SUBMITTAL DATE FOR THIS PROJECT HAS BEEN **EXTENDED AS STATED ON THE COVER PAGE.**

James Nagelvoort, Director
Public Works Department

Dated: *October 25, 2017*
San Diego, California

JN/RWB/egz

Bid Results

Bidder Details

Vendor Name Burtech Pipeline Incorporated
Address 102 Second Street
 Encinitas, CA 92024
 United States
Respondee BUDDY AQUINO
Respondee Title CHIEF ESTIMATOR
Phone 760-634-2822 Ext.
Email buddy@burtechpipeline.com
Vendor Type PQUAL,CADIR,Local
License # 718202
CADIR 1000006324

Bid Detail

Bid Format Electronic
Submitted November 14, 2017 12:47:20 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 120735
Ranking 0

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
Contractors Certification of Pending Action	Contractors Certification of Pending Action.pdf	Contractor's Certification of Pending Actions
Bid Bond	Bid Bond.pdf	Bid Bond

Line Items

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment	Reference
	Main Bid						
1	Bonds (Payment and Performance)						
	524126	LS	1	\$20,874.24	\$20,874.24		2-4.1
2	Sewage Bypass and Pumping Plan (Diversion Plan)						
	237110	LS	1	\$500.00	\$500.00		7-8.5.4
3	WPCP Development						
	541330	LS	1	\$550.00	\$550.00		7-8.6.4.2
4	WPCP Implementation						
	237110	LS	1	\$1,950.00	\$1,950.00		7-8.6.4.2
5	Video Recording of Existing Conditions						
	238990	LS	1	\$2,000.00	\$2,000.00		7-9.1.1

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment	Reference
6	Mobilization						
	237110	LS	1	\$50,000.00	\$50,000.00		9-3.4.1
7	Field Orders (EOC Type II)						
		AL	1	\$150,000.00	\$150,000.00		9-3.5
8	Asphalt Pavement Repair						
	237310	TON	20	\$150.00	\$3,000.00		302-3.2
9	Rubber Polymer Modified Slurry (RPMS) Type I						
	237310	SF	196005	\$0.31	\$60,761.55		302-4.12.4
10	Rubber Polymer Modified Slurry (RPMS) Type II						
	237310	SF	196005	\$0.35	\$68,601.75		302-4.12.4
11	Crack Seal						
	237310	LB	1633	\$10.62	\$17,342.46		302-14.5
12	Additional Curb and Gutter Removal and Replacement						
	237310	LF	100	\$30.00	\$3,000.00		303-5.9
13	Additional Sidewalk Removal and Replacement						
	237310	SF	200	\$9.75	\$1,950.00		303-5.9
14	Cross Gutter						
	237310	SF	200	\$15.00	\$3,000.00		303-5.9
15	Curb Ramp (Type A) with Stainless Steel Detectable Warning Tiles						
	237310	EA	2	\$2,750.00	\$5,500.00		303-5.10.2
16	Curb Ramp (Type B) with Stainless Steel Detectable Warning Tiles						
	237310	EA	3	\$2,750.00	\$8,250.00		303-5.10.2
17	Curb Ramp (Type Case A) with Stainless Steel Detectable Warning Tiles						
	237310	EA	1	\$3,250.00	\$3,250.00		303-5.10.2
18	Curb Ramp (Type C1) with Stainless Steel Detectable Warning Tiles						
	237310	EA	1	\$3,450.00	\$3,450.00		303-5.10.2
19	Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles						
	237310	EA	4	\$3,500.00	\$14,000.00		303-5.10.2
20	Additional Bedding						
	237110	CY	300	\$1.00	\$300.00		306-15.1
21	Sewer Main (8 Inch)						
	237110	LF	700	\$125.00	\$87,500.00		306-15.1

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment	Reference
22	Temporary Resurfacing						
	237310	TON	150	\$115.00	\$17,250.00		306-15.9
23	Imported Backfill For Trench						
	237110	TON	100	\$30.00	\$3,000.00		306-15.12
24	Manholes (PVC Lined, 3 ft x 4 ft)						
	237110	EA	9	\$12,100.00	\$108,900.00		306-16.6
25	Sewer Lateral and Cleanout (4 Inch, Street)						
	237110	EA	1	\$3,500.00	\$3,500.00		306-17.2
26	Sewer Main Cleanout						
	237110	EA	12	\$4,500.00	\$54,000.00		306-17.2
27	Cleaning and Video Inspection of Existing Pipelines and Culverts						
	237110	LF	29225	\$0.70	\$20,457.50		306-18.7
28	Video Inspection of Pipelines and Culverts for Acceptance						
	237110	LF	29225	\$0.70	\$20,457.50		306-18.7
29	Removal of Traffic Striping and Curb Markings						
	237310	LF	48	\$3.50	\$168.00		314-2.3
30	Striping						
	237310	LS	1	\$7,180.00	\$7,180.00		314-4.4.6
31	Continental Crosswalks						
	237310	SF	480	\$2.75	\$1,320.00		314-4.4.6
32	Rehabilitate Sewer Main (8 Inch)						
	237110	LF	28488	\$20.50	\$584,004.00		500-1.1.9
33	Rehabilitate Sewer Main (10 Inch)						
	237110	LF	767	\$24.00	\$18,408.00		500-1.1.9
34	Point Repair for Existing Sewer Main (8 Inch)						
	237110	EA	28	\$1,000.00	\$28,000.00		500-1.2.7
35	Point Repair for Existing Sewer Main (10 Inch)						
	237110	EA	1	\$5,500.00	\$5,500.00		500-1.2.7
36	Additional Point Repair for Existing Sewer Main (8 Inch)						
	237110	LF	200	\$10.00	\$2,000.00		500-1.2.7
37	Additional Point Repair for Existing Sewer Main (10 Inch)						
	237110	LF	10	\$10.00	\$100.00		500-1.2.7

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment	Reference
38	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth						
	237110	EA	377	\$1,650.00	\$622,050.00		500-1.6.6
39	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth						
	237110	EA	42	\$1,700.00	\$71,400.00		500-1.6.6
40	Service Lateral Rehabilitation with Manually Excavated Cleanout up to 7 ft in Depth						
	237110	EA	25	\$800.00	\$20,000.00		500-1.6.6
41	Service Lateral Rehabilitation with Manually Excavated Cleanout greater than 7 ft in Depth						
	237110	EA	2	\$950.00	\$1,900.00		500-1.6.6
42	Service Lateral Rehabilitation of Cast Iron Lateral with Cleanout up to 7 ft in Depth						
	237110	EA	42	\$1,700.00	\$71,400.00		500-1.6.6
43	Service Lateral Rehabilitation of Cast Iron Lateral with Cleanout greater than 7 ft in Depth						
	237110	EA	5	\$1,725.00	\$8,625.00		500-1.6.6
44	Service Lateral Rehabilitation of Cast Iron Lateral with Manually Excavated Cleanout up to 7 ft in Depth						
	237110	EA	3	\$1,000.00	\$3,000.00		500-1.6.6
45	Service Lateral Rehabilitation of Cast Iron Lateral with Manually Excavated Cleanout greater than 7 ft in Depth						
	237110	EA	1	\$1,100.00	\$1,100.00		500-1.6.6
46	Removal of Concrete Encasement on Existing Laterals						
	237110	EA	1	\$1,000.00	\$1,000.00		500-1.6.6
47	Removal and Replacement of Vertical Drops on Existing Laterals						
	237110	EA	1	\$600.00	\$600.00		500-1.6.6
48	Rehabilitate Existing Manhole						
	237110	EA	29	\$1,500.00	\$43,500.00		500-2.10.2
49	Service Lateral Connection						
	237110	EA	497	\$700.00	\$347,900.00		500-4.9
50	Traffic Control						
	237310	LS	1	\$7,500.00	\$7,500.00		601-6
51	Pedestrian Barricade						
	237310	EA	2	\$450.00	\$900.00		701-2
52	Construction Fencing and Access Route						
	237310	LS	1	\$100.00	\$100.00		802-5
					Subtotal	\$2,581,000.00	
					Total	\$2,581,000.00	

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
Payco Specialties Inc. 120 North Second Ave Chula Vista, CA 91910 United States	Items 29,30,31&51 for Striping & Marking Works	298637 PlanetBids, Inc.	1000003515	\$9,568.00	CAU,FEM,PQUAL,S LBE,MBE,SDB,WBE, WOSB

Bid Results

Name & Address	Description	License Num	CADIR	Amount	Type
Terra West, Inc 591 Telegraph Canyon Rd #713 Chula Vista, CA 91910 United States	Bid Item 3 - WPCP Development	10TW0007	1000007319	\$550.00	ELBE,DBE
G. Scott Asphalt, Inc. 358 Trousdale Drive Chula Vista, CA 91910 United States	RPMS and Crack Seal	751836	1000004252	\$147,349.51	CAU,MALE,PQUAL, SLBE,DVBE,SDVSB
HUDSON SAFE-T-LITE RENTALS 777 GABLE WAY EL CAJON, CA 92020 United States	Bid Item 50 - Traffic Control Plans	788289	1000004051	\$7,050.00	SLBE
Nu-Line Technologies, LLC 102 Second Street, Suite B Encinitas, CA 92024 United States	Cleaning, CCTV, Main Rehab and Service Lateral Connections	997520	1000003808	\$993,200.88	FEM,MBE,CADIR,W BE
Rectrucking inc 1128 2nd ave Chula vista, CA 91911 United States	Trucking; DMV MCP CA# 439696	ELBE	1000040647	\$9,500.00	LAT,MALE,ELBE
RAP Engineering, Inc. 503 E. Mission Road San Marcos, CA 92069 United States	Asphalt Pavement Repairs, Pavement Adj. to Trench, Trench Grind & Overlay	880956	1000002968	\$66,950.00	CADIR,DBE,LAT,MA LE,MBE,SDB,SLBE
Zebron Contracting, Inc P.O. Box 2874 Newport Beach, CA 92659 United States	Manhole Rehabilitation	855170	1000004993	\$43,500.00	
YBS CONCRETE INC. PO BOX 1197 CHULA VISTA, CA 91911 United States	Curb Ramps, PCC Concrete Scopes and Sidewalks Replacement	885270	1000005182	\$149,475.00	LAT,MALE,SLBE,CA DIR