

City of San Diego

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Phone No. (619) 533-3033
J.R.Banuelos / J.Borja/ yjv

BIDDING DOCUMENTS



FOR

AC WATER & SEWER GROUP 1042

BID NO.: K-19-1737-DBB-3
SAP NO. (WBS/IO/CC): B-17177, B-17176
CLIENT DEPARTMENT: 2112
COUNCIL DISTRICT: 6
PROJECT TYPE: KA, 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
MARCH 7, 2019

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

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

ENGINEER OF WORK

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



For City Engineer

1/29/19

Date

Seal:



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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 **AC Water & Sewer Group 1042** 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 **\$8,240,000**.
4. **BID DUE DATE AND TIME ARE: MARCH 7, 2019 AT 2:00 P.M.**
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
6. **LICENSE REQUIREMENT:** To be eligible for award of this contract, Prime contractor must possess the following licensing classification(s): **A or C-34**
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	9.7%
2. ELBE participation	12.6%
3. Total mandatory participation	22.3%
 - 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. AWARD PROCESS:

- 8.1.** 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.
- 8.2.** Upon acceptance of bids and determination of the apparent low bidder, the City will prepare the contract documents for execution within approximately 21 days of the date of the bid opening. The City will then award the contract upon receipt of properly signed Contract, bonds, and insurance documents.
- 8.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form by the City Attorney's Office.
- 8.4.** The low Bid will be determined by the Base Bid plus all Alternates.
- 8.5.** Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base Bid plus one or more alternates.

9. SUBMISSION OF QUESTIONS:

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

Public Works Contracts
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101
Attention: Taylor Cox

OR:

TJCox@sandiego.gov

- 9.2.** Questions received less than 14 days prior to the date for opening of Bids may not be considered.
- 9.3.** 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.
- 9.4.** 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.

10. PHASED FUNDING: For Phased Funding Conditions, see Attachment B.

11. ADDITIVE/DEDUCTIVE ALTERNATES:

11.1. The additive/deductive alternates have been established to allow the City to compare the cost of specific portions of the Work with the Project's budget and enable the City to make a decision whether to incorporate these portions prior to award. The award will be established as described in the Bid. The City reserves the right to award the Contract for the Base Bid only or for the Base Bid plus one or more Alternates.

11.2. For water pipeline projects, the Plans typically show all cut and plug and connection work to be performed by City Forces. However, Bidders shall refer to Bidding Documents to see if all or part of this work will be performed by the Contractor.

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.
- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening.
- 1.3. **Joint Venture Bidders Cumulative Maximum Bidding Capacity:** For projects with an engineer's estimate of \$30,000,000 or greater, Joint Ventures submitting bids may be deemed responsive and eligible for award if the cumulative maximum bidding capacity of the individual Joint Venture entities is equal to or greater than the total amount proposed.
 - 1.3.1. Each of the entities of the Joint Venture must have been previously prequalified at a minimum of \$15,000,000.
 - 1.3.2. Bids submitted with a total amount proposed of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification. To be eligible for award in this scenario, the Joint Venture itself or at least one of the Joint Venture entities must have been prequalified for the total amount proposed.
 - 1.3.3. Bids submitted by Joint Ventures with a total amount proposed of \$30,000,000 or greater on a project with an engineer's estimate of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification.
 - 1.3.4. The Joint Venture designated as the Apparent Low Bidder shall provide evidence of its corporate existence and furnish good and approved bonds in the name of the Joint Venture within 14 Calendar Days of receipt by the Bidder of a form of contract for execution.
- 1.4. Complete information and links to the on-line prequalification application are available at:

<http://www.sandiego.gov/cip/bidopps/prequalification>
- 1.5. 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 and 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 who has until the “Bid Due Date and Time” to change, rescind or retrieve its proposal should it desire to do so.
- 2.5. BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME.** Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results on line. City staff may then begin reviewing the submissions for responsiveness, EOCP compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.
- 2.6. RECAPITULATION OF THE WORK.** Bids shall not contain any recapitulation of the Work. Conditional Bids may be rejected as being non-responsive. Alternative proposals will not be considered unless called for.
- 2.7. BIDS MAY BE WITHDRAWN** by the Bidder only up to the bid due date and time.
- 2.7.1. Important Note:** Submission of the electronic bid into the system may not be instantaneous. Due to the speed and capabilities of the user’s internet service

provider (ISP), bandwidth, computer hardware and other variables, it may take time for the bidder's submission to upload and be received by the City's eBidding system. It is the bidder's sole responsibility to ensure their bids are received on time by the City's eBidding system. The City of San Diego is not responsible for bids that do not arrive by the required date and time.

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

3. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT

- 3.1.** The bidder, by submitting its electronic bid, acknowledges that doing so carries the same force and full legal effect as a paper submission with a longhand (wet) signature.
- 3.2.** By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.
- 3.3.** The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certification, forms and affidavits submitted as part of this bid are true and correct.
- 3.4.** The Bidder agrees to the construction of the project as described in Attachment "A-Scope of Work" for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days 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>

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 14 Calendar Days after receiving the Contract forms.

7. INSURANCE REQUIREMENTS:

7.1. 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.

7.2. 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.

8. 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/	2018	PWPI070116-01
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")* https://www.sandiego.gov/publicworks/edocref/greenbook	2018	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	2018	PWPI092816-05

Title	Edition	Document Number
CALTRANS Standard Plans http://www.dot.ca.gov/des/oe/construction-contract-standards.html	2018	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
<p align="center">NOTE: *Available online under Engineering Documents and References at: https://www.sandiego.gov/publicworks/edocref/index.shtml</p>		

- 9. 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.
- 10. 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.
- 11. 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.
- 12. SUBCONTRACTOR INFORMATION:**
- 12.1. LISTING OF SUBCONTRACTORS.** In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the **NAME** and **ADDRESS** of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR, CONSULTANT** or **SUPPLIER**. The Bidder shall state the **DIR REGISTRATION NUMBER** for all subcontractors and shall further state within the description, the **PORTION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed

shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3, "Subcontracts", which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.

Additionally, pursuant to California Senate Bill 96 and in accordance with the requirements of Labor Code sections 1771.1 and 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 California Department of Industrial Relations (DIR). **The Bidder shall provide the name, address, license number, DIR registration number of any Subcontractor - regardless of tier** - who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement pursuant to the contract.

12.2. LISTING OF SUPPLIERS. Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the **NAME, LOCATION (CITY), DIR REGISTRATION NUMBER** and the **DOLLAR VALUE** of each supplier. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for materials and supplies unless vendor manufactures or substantially alters materials and supplies, in which case, 100% will be credited. The Bidder is to indicate within the description whether the listed firm is a supplier or manufacturer. If no indication is provided, the listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage.

12.3. 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.

13. SUBMITTAL OF "OR EQUAL" ITEMS: See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.

14. AWARD:

14.1. The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.

14.2. 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.

- 14.3.** 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.
- 15. 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.
- 16. 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.
- 17. 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.
- 18. 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.
- 19. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:**
- 19.1.** 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.
- 19.2.** 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.
- 19.3.** 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.

- 19.4. 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.
- 19.5. 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**.

20. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 20.1. This contract may be awarded to the lowest responsible and reliable Bidder.
- 20.2. Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.
- 20.3. 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.
- 20.4. 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.
- 20.5. 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.
- 20.6. 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.
- 20.7. 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.
- 20.8. 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.

21. BID RESULTS:

- 21.1. 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.

- 21.2.** 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.

22. THE CONTRACT:

- 22.1.** 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.
- 22.2.** 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.
- 22.3.** 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.
- 22.4.** 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.
- 22.5.** 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 by 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.

- 23. 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.
- 24. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 24.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
 - 24.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
 - 24.3.** The City of San Diego Municipal Code §22.3004 for Contractor Standards.
 - 24.4.** The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
 - 24.5.** 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.
 - 24.6.** The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
 - 24.7.** The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.
- 25. PRE-AWARD ACTIVITIES:**
- 25.1.** 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**.
 - 25.2.** 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:

S.C. Valley Engineering, Inc., a corporation, as principal, and
Western Surety 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
Eight Million One Hundred Ninety Thousand Four Hundred Dollars and Zero Cents
(\$8,190,400.00) for the faithful performance of the annexed contract, and in the sum of **Eight Million**
One Hundred Ninety Thousand Four Hundred Dollars and Zero Cents (\$8,190,400.00) 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.

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

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

Dated April 18, 2019

Approved as to Form

S.C. Valley Engineering, Inc.

Principal

By 

Samuel Wathen - President

Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney

By 

Deputy City Attorney

Western Surety Company

Surety

By 

Robert P. Dole, Attorney-in-fact

Approved:

1455 Frazee Road, Suite 300

Local Address of Surety

By 

Claudia C. Abarca
Deputy Director
Public Works Contracts

San Diego, CA 92108

Local Address (City, State) of Surety

619-682-3550

Local Telephone No. of Surety

Premium \$ 51,677.00

Bond No. 30055272

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Daniel P Dole, John T Dole, Nicki Edwards, Robert P Dole, Adam Dole, Michael Dole, Individually

of Bonita, CA, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 14th day of August, 2018.

WESTERN SURETY COMPANY



Paul T. Bruflat

Paul T. Bruflat, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 14th day of August, 2018, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

June 23, 2021



J. Mohr

J. Mohr, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 18 day of April, 2019.



WESTERN SURETY COMPANY

L. Nelson

L. Nelson, Assistant Secretary

CALIFORNIA ALL-PURPOSE 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 April 18, 2019 before me, Nicki Edwards, Notary Public,
Date Insert Name of Notary exactly as it appears on the official seal

personally appeared Robert P. Dole
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 Nicki Edwards
Signature of Notary Public Nicki Edwards



Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of the form to another document.

Description of Attached Document

Title or Type of Document: Performance Bond, Labor and Materialmen's Bond

Document Date: April 18, 2019 Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: Robert P. Dole

- Individual
- Corporate Officer — Title(s): _____
- Partner Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer is Representing:
Western Surety Company

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer is Representing:

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** Construction of **AC Water and Sewer Group 1042** consists of the installation of approximately 8,905 linear feet of 16-inch PVC Water Mains, replacing existing 12-inch AC Water Mains; and the installation of water services, fire services and fire hydrants, and approximately 637 linear feet of PVC Sewer Mains, replacing existing concrete encased 12-inch Verified Clay Sewer Mains; and the installation of sewer manholes; and all other work and appurtenances in accordance with these specifications.
 - 1.1. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids and Plans numbered **40350-01-D** through **40350-31-D**, inclusive and Traffic Control Plans **40350-T01-D** through **40350-T40-D**, inclusive.
2. **LOCATION OF WORK:** The location of the Work is as follows:

See Location Map per **Appendix E**.
3. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **220 Working Days**.

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

1. PRE-AWARD

- 1.1.** 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:
 - 1.1.1.** Construction Cost Loaded Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 9-3, "PAYMENT."
- 1.2.** Your failure to perform any of the following may result cancelling your award of the Contract:
 - 1.2.1.** Meeting with the City's Project Manager to discuss the Phased Funding Schedule.
 - 1.2.2.** Agreeing to a Phased Funding Schedule within thirty Working Days after meeting with the City's Project Manager.

2. POST-AWARD

- 2.1.** 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.
- 2.2.** If requested, the Engineer may issue the NTP for the next phase before the end of the current approved phase.

PHASED FUNDING SCHEDULE AGREEMENT

BID NUMBER: K-19-1737-DBB-3

CONTRACT OR TASK TITLE: AC Water & Sewer Group 1042

CONTRACTOR: S.C. Valley Engineering, Inc.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Work to be completed in Phase 1 shall include, Bonds, Mobilization, videotaping of existing conditions, installation of .5 miles (minimum) water mains and .12 miles of (minimum) sewer mains.	Notice to Proceed	09/30/2019	B-17177 (W) \$2,000,000.00 B-17176 (S) \$484,334.00
2	Work to be completed in Phase 2 shall include the remaining of the construction activities associated with contract and speculations	10/01/2019	Notice of Completion	B-17177 (W) \$5,706,066.00 B-17176 (S) \$0
Contract Total				\$8,190,400.00

Notes:

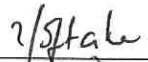
- 1) WHITEBOOK section 9-3.6, "Phased Funding Compensation" applies.
- 2) The total of all funding phases shall be equal to the TOTAL BID PRICE as shown on BID SCHEDULE 1 - PRICES.
- 3) This PHASED FUNDING SCHEDULE AGREEMENT will be incorporated into the CONTRACT and shall only be revised by written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

CITY OF SAN DIEGO

CONTRACTOR

PRINT NAME: YOFTAKE GHILIAMICHAEL
Construction Manager

PRINT NAME: SCOTT MILLER

Signature: 

Title: PM/ESTIMATOR

Date: 4/16/19

Signature: 

PRINT NAME: Sheila Bose
Project Manager

Date: 4/15/19

Signature: 

Date: 4/15/19

ATTACHMENT C
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ATTACHMENT D
PREVAILING WAGE

PREVAILING WAGE

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 Prevailing Wage Unit at 858-627-3200.

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 Contractor shall provide the list of subcontractors (regardless of tier), along with their DIR registration numbers, utilized on this Contract prior to any work being performed; and the Contractor shall provide a complete list of all subcontractors with each invoice. Additionally, Contractor shall provide the City with a complete list of all subcontractors (regardless of tier) utilized on this contract within ten working days of the completion of the contract, along with their DIR registration numbers. The City shall withhold final payment to Construction Management Professional until at least thirty (30) days after this information is provided to the City.

1.12. Exemptions for Small Projects. There are limited exemptions for installation, alteration, demolition, or repair work done on projects of \$25,000 or less. The Contractor shall still comply with Labor Code sections 1720 et. seq. The only recognized exemptions are listed below:

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

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

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

1. The **2018 Edition** of the Standard Specifications for Public Works Construction (The "GREENBOOK").
 - a) The **2018 Edition** of the City of San Diego Standard Specifications for Public Works Construction (The "WHITEBOOK"), including the following:
 - b) 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 **9:00 PM to 5:00 AM**.

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 50% of the base Bid **AND** 50% of any alternates.

- 2-5.4.2 Asset Specific Red-lines.** To the "WHITEBOOK", ADD the following:

1. **Fiber Optic and WIFI Device Red-lines.** Fiber Optic and WIFI Device Red-lines shall clearly record by dimension from 2 known fixed points and by depth of underground facilities all deviations, modifications, and changes in the Work. Records, deviations, modifications, and changes on the day the Work is performed shall reflect the actual Work location and shall be marked in red at the scale of the Plan sheet on which they are recorded. Red-lines shall show the equipment locations and associated information for the following:
 - a) Locations and depths of underground utilities.
 - b) Revisions to the routing of piping and conduits.
 - c) Actual equipment locations.
 - d) Pull Boxes.

- e) Electrical Meter, including meter address.
- f) Items abandoned in place.

2-9.1 Permanent Survey Markers. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

- 3. You shall submit to the Engineer a minimum of 7 Days prior to the start of the Work a list of controlling survey monuments which may be disturbed. CMFS (or the private owner for Permit Work) shall perform the following:
 - a) Set survey points outside the affected Work area that reference and locate each controlling survey monument that may be disturbed.
 - b) File a Corner Record or Record of Survey with the County Surveyor after setting the survey points to be used for re-establishment of the disturbed controlling survey monuments.
 - c) File a Corner Record or Record of Survey with the County Surveyor after re-establishment of the disturbed controlling survey monuments.

ADD:

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

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

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

- a. Other adjacent City projects are scheduled for construction for the same time period in the vicinity of **AC Water and Sewer Group 1042**. See **Appendix F** for the approximate location. Coordinate the Work with the adjacent projects as listed below:

AC Water & Sewer Group 1049, Jonard Talamayan, 619-533-4116 Pipeline Rehabilitation AO-1, Jonard Talamayan, 619-533-4116

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

SECTION 3 – CHANGES IN WORK

3-3.2.3 Markup. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. Work paid under Allowance Bid items for permits, governmental fees, or direct payments specified in the Contract Documents shall not be subject to any markups.
2. The allowance for overhead and profit shall not exceed the values listed in the table below:

Component	Overhead	Profit
Labor	10%	10%
Material	10%	5%
Equipment	10%	5%

3. Markups for materials shall be applied to the actual cost of the material before applying the sales tax.
4. When a Subcontractor is performing Extra Work, the allowance for overhead and profit shall be applied to the labor, materials, and equipment costs of the Subcontractor as follows:
 - a) Regardless of the number of Subcontractor tasks for Extra Work, you may only apply 10% for the first \$50,000 of the Subcontractor’s portion of accumulated total cost.
 - b) If the accumulated costs of single or subsequent tasks exceed the \$50,000 threshold, you shall instead only apply 5% to any amounts in excess of the \$50,000.
 - c) You shall not apply 10% to any costs after the first \$50,000 of accumulated total costs from performing Extra Work.
 - d) Regardless of the number of hierarchical tiers of Subcontractors, you may only markup a Subcontractor’s Work once.

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.

3-5.1.4 City's Final Determination.

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

3-5.1.5 Mandatory Assistance.

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

3-5.1.5.1 Compensation for Mandatory Assistance.

1. The City will reimburse you for reasonable fees and expenses incurred by you for any required assistance rendered in accordance with 3-5.1.5, "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.

**ADD:
3-5.4**

Pre-judgment Interest.

1. The parties stipulate that if a judgment is entered against a party for breaching this Contract, the pre-judgment interest shall be two percent (2%) per annum.

SECTION 4 - CONTROL OF MATERIALS

4-1.3.1 General. To the "WHITEBOOK", ADD the following:

1. Steel pipe in sizes larger than 18 inches shall require inspection at the source of production.
2. City lab staff or a qualified inspection agency approved by the Engineer shall witness all welding, lining, coating, and testing. You shall incur additional inspection costs outlined in 4-1.3.3, "Inspection of Items Not Locally Produced".
3. All parts of production (including but not limited to product fabrication, welding, testing, lining, and coating of straight pieces and specials) shall be performed or produced in the United States.
4. Welding and all testing shall be performed by certified welders and testing staff with credentials traceable in the United States.

4-1.3.2 Inspection by the Agency. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The City will provide inspection and testing laboratory services within the continental United States within a 200-mile radius of the geographical limits of the City.

4-1.3.3 Inspection of Items Not Locally Produced. To the "WHITEBOOK", DELETE in its entirety.

ADD:

4-1.3.3 Inspection of Items Not Locally Produced. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. When you intend to purchase materials, fabricated products, or equipment from sources located more than 200 miles (321.9 km) outside the geographical limits of the City, City Lab staff or a qualified inspection agency approved by the Engineer, shall be engaged at your expense to inspect the materials, equipment, or process.
2. This approval shall be obtained before producing any material or equipment. City Lab staff or inspector shall evaluate the materials for conformance with the requirements of the Plans and Specifications. You shall forward reports required by the Engineer. No materials or equipment shall be shipped nor shall any processing, fabrication or treatment of such materials be done without proper inspection by City Lab staff or the approved agent. Approval by said agent shall not relieve you of responsibility for complying with the requirements of the Contract Documents.
3. The Engineer may elect City Lab staff to perform inspection of an out-of-town manufacturer. You shall incur additional inspection costs of the Engineer including lodging, meals, and incidental expenses based on Federal Per Diem Rates, along with travel and car rental expenses. If the manufacturing plant operates a double shift, a double shift shall be figured in the inspection costs.
 - a) At the option of the Engineer, full time inspection shall continue for the length of the manufacturing period. If the manufacturing period will exceed 3 consecutive weeks, you shall incur additional inspection expenses of the Engineer's supervisor for a trip of 2 Days to the site per month.
 - b) When the Engineer elects City Lab staff to perform out-of-town inspections, the wages of staff employed by the City shall not be part of the additional inspection expenses paid by you.
 - c) Federal Per Diem Rates can be determined at the location below:

<https://www.gsa.gov/portal/content/104877>

- 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 less than 15 Working Days prior to the Bid due date** and on the City's Product Submittal Form available at:

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

SECTION 5 – UTILITIES

- 5-1.1 General.** To the "WHITEBOOK", ADD the following:
9. **90 Calendar Days** prior to any paving work, you shall notify the utility owner to provide them adequate time to adjust their utility box frame and cover to finish grade.

- 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.

SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

- 6-1.1 Construction Schedule.** To the "WHITEBOOK", item 5, 9 and 22, DELETE in its entirety and SUBSTITUTE with the following:
5. Monthly progress payments are contingent upon the submittal of an updated Schedule and cash flow forecast as discussed in item 22 of 6-1.1, "Construction Schedule" to the Engineer. The Engineer may refuse to recommend the whole or part of any monthly payment if, in the Engineer's opinion, your failure or refusal to provide the required Schedule and cash flow forecast information precludes a proper evaluation of your ability to complete the Project within the Contract Time and amount.
 9. Inclusive to the Contract Time, include 15 Working Days to the Schedule for the generation of the Punchlist. You shall Work diligently to complete all Punchlist items within 30 Working Days after the Engineer provides the Punchlist.

22. With every pay request, submit the following:
- a) An updated cash flow forecast showing periodic and cumulative construction billing amounts for the duration of the Contract Time. If there has been any Extra Work since the last update, include only the approved amounts.

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 **Appendix D**.

6-1.6 Excusable Delays. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. If a delay in the Work occurs and affects Work activities, delays may either be Excusable Compensable Delays or Excusable Non-Compensable Delays.

ADD:

6-1.6.1 Excusable Compensable Delays.

1. If an Excusable Delay meets the requirements of 6-6.2, "Extensions of Time", then the City shall compensate for the following circumstances:
 - a) The City's failure or inability to make available any portion of the entire Site in accordance with the requirements of the Schedule.
 - b) The City's failure or inability to obtain necessary zoning changes, variances, code changes, permits or approvals from any governmental authority, or failure to obtain any street or alley vacations required for the performance of the Work, except to the extent due to your fault or neglect as determined by the Engineer.
 - c) Delays resulting from the acts or omissions of Separate Contractors, except to the extent Separate Contractors perform their work properly and in accordance with the Schedule.
 - d) Differing or concealed site conditions that could not reasonably have been anticipated at the time of Bid.
 - e) Delays resulting from the existence or discovery of hazardous materials or waste on the Site not brought in by you and not included in the Contract.
 - f) Delays resulting from any changes made to any City of San Diego Municipal Code after the date of execution of the Contract.

- g) Delays due to the City's acts or omissions and those within the City's control.
- h) Delays requested by the City.

ADD:

6-1.6.2 Excusable Non-Compensable Delays.

1. The City shall only issue an extension of time for Excusable Delays that meet the requirements of 6-6.2, "Extensions of Time" for the following circumstances:
 - a) Delays resulting from Force Majeure.
 - b) Delays caused by weather.
 - c) Delays caused by changes to County, State, or Federal law.

ADD:

6-3.2.1.1 Environmental Document.

1. The City of San Diego has prepared a **Notice of Exemption** for **AC Water & Sewer Group 1042, Project No. B-17177(W) and B-17176(S)**, 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.

6-6.2 Extensions of Time. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The Contract Time shall not be modified except by Change Order.
2. You shall immediately submit to the City a written request for a Change Order to modify the Contract Time, but in no event later than 1 Working Day after the occurrence and discovery of the events giving rise to the request. You shall include in your request a general description of the basis for and the estimated length of any extension and submit supporting data.
3. The Engineer shall not grant an extension of Contract Time unless you demonstrate, through an analysis of the critical path, the following:
 - a) The event causing the delay impacted the activities along the Project's critical path.
 - b) The increases in the time to perform all or part of the Project beyond the Contract Time arose from unforeseeable causes beyond your control and without your fault or negligence.
4. The Engineer shall issue a weekly document that shall stipulate the Contract Time. If you do not agree with this document, submit to the Engineer for review a written protest supporting your objections to the document within 15

Days after receipt of the statement. Your failure to file a timely protest shall constitute your acceptance of the Engineer's weekly document.

- a) Your protest will be considered a claim for time extension and shall be subject to 3-5.1, "Claims".

6-6.4 Written Notice and Report. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. **Your failure to file with the Engineer a written request and report of cause within 24 hours will be considered grounds for refusal by the City to consider such request.**

6-7.1 General. To the "WHITEBOOK", item 3, ADD the following:

- d) 30 Days for full depth asphalt final mill and resurfacing work required per SDG-107.
- e) Where shutdowns of 16 inch and larger pipes are required, there is a shutdown moratorium from May until October. Plan and schedule Work accordingly. No additional payment or Working Days will be granted for delays due to the moratorium.

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.
- 7-3.10 Architects and Engineers Professional Insurance (Errors and Omissions Insurance).**
1. For Contracts with required engineering services (e.g., Design-Build, preparation of engineered Traffic Control Plans (TCP), and etc.) by you, you shall keep or require all of your employees or Subcontractors, who provide professional engineering services under this contract, Professional Liability coverage with a limit of **\$1,000,000** per claim and **\$2,000,000** annual aggregate in full force and effect.
 2. You shall ensure the following:
 - a) The policy retroactive date is on or before the date of commencement of the Project.
 - b) The policy will be maintained in force for a period of 3 years after completion of the Project or termination of this Contract, whichever occurs last. You agree that for the time period specified above, there

will be no changes or endorsements to the policy that affect the specified coverage.

3. If professional engineering services are to be provided solely by the Subcontractor, you shall:
 - a) Certify this to the City in writing and
 - b) Agree in writing to require the Subcontractor to procure Professional Liability coverage in accordance with the requirements set forth above.

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

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

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

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

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

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

ADD:

7-6

THE CONTRACTORS REPRESENTATIVE. To the "GREENBOOK", ADD the following:

1. Both the representative and alternative representative shall be employees of the Contractor and shall not be assigned to a Subcontractor unless otherwise approved by the City in writing.

7-8.1

General. To the "WHITEBOOK", ADD the following:

2. Use a PM-10 certified self-loading motorized street sweeper equipped with a functional water spray system for this project as directed by the Engineer.

7-8.6

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

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

7-8.6.5

Payment. DELETE in its entirety and SUBSTITUTE with the following:

7-8.6.5

Drinking Water Discharges Requirements.

1. All discharge related to the project of water used for testing an acceptance of new water mains to the storm drain shall comply with the State Water Resources Control Board, ORDER WQ 2014-0194-DWQ, STATEWIDE GENERAL NPDES PERMIT FOR DRINKING WATER SYSTEMS DISCHARGES found at the State Boards website at the following location:

http://www.waterboards.ca.gov/water_issues/programs/npdes/docs/drinking_water/final_statewide_wqo2014_0194_dwq.pdf

All monitoring, sampling and reporting for compliance with the Order must be completed by a QSP.

- a) BMPs shall be in place prior to the start of discharge. At a minimum, you shall:
 - i. Sweep the gutter and street in the flow path
 - ii. Provide inlet protection at all inlets receiving discharge
 - iii. Provide dechlorination
 - iv. Implement sediment and erosion control measures such as diffusers, check dams, flow controls, etc.
- b) Monitoring and Samples.
 - i. As required by the Order, you shall monitor, sample and report all discharges to the storm drain. You shall record the results for each discharge event on the City's Drinking Water discharge

Monitoring form included as **Appendix G**. Submit completed forms to the Engineer at the end of every month.

- ii. Notifications: You shall notify the RWQCB at and Transportation and Storm Water Department prior to the start of any large volume discharge (greater than 1 acre-foot volume). You shall notify The County of San Diego, Department of Environmental Health (DEH) at (858) 495-5579 prior to the start of discharges 100,000 gallons or more within $\frac{1}{4}$ mile of the ocean or bay coastline.
- iii. Sampling and reporting requirements are outlined in the Order.
 - For Superchlorinated discharges, at a minimum, you shall sample chlorine, turbidity and pH the first 10 minute of discharge, the first 60 minutes of discharge and last 10 minutes of discharge and provide an estimate of the total volume of water discharged.
 - For Large Volume discharges (or discharges greater than 1 acre-foot in total volume), at a minimum, you shall sample chlorine and turbidity pH the first 10 minute of discharge, the first 60 minutes of discharge and last 10 minutes of discharge and provide an estimate of the total volume of water discharged.
 - For discharges that are not superchlorinated and are under 1 acre-foot in total volume, at a minimum, you shall provide an estimate of the total volume of water discharged.
- iv. Effluent limits:
 - Field measurement of 0.1 mg/L chlorine or more is an exceedance of the Order.
 - Visual estimates of 20 NTU or more for surface water and 225 NTU or more for ocean is an exceedance the City's Basin Plan.
 - Field measurements for pH outside the range of 6.5 to 8.5 is an exceedance of the City's Basin Plan.
- v. Receiving water monitoring: if an exceedance is observed, the discharge shall be stopped immediately, BMPs must be adjusted until discharge is no longer exceeding limits. The QSP shall monitor receiving waters for adverse effects to water quality. If any adverse effect to water quality is observed, the RE and RWQCB shall be notified immediately. The QSP shall

document the point of confluence between the discharge and receiving water with photographs.

- c) Areas of Special Biological Significance (ASBS).
 - i. Non-storm water discharges including drinking water discharges to Areas of Special Biological Significance (ASBS) are prohibited. These are ocean areas requiring protection of species or biological communities to the extent that alteration of natural water quality is undesirable and are classified as a subset of State Water Quality Protection Areas. Non-storm water discharges shall be located outside of the designated areas to ensure maintenance of natural water quality conditions in these areas.
 - ii. A map showing ASBS locations can be found in the Storm Water Standards Manual Part 2 Appendix A. The areas in the San Diego Region include: La Jolla (ASBS #29), Scripps (ASBS #31), and La Jolla Shores watershed boundaries.

- 2. If prior approval is obtained to discharge to the sewer system, you shall discharge the water used for testing and acceptance of new water mains to the sewer system in accordance with the Contract Documents as shown on the batch discharge Plans. You shall submit to the Engineer a "Request for Batch Discharge Authorization to Discharge Potable Pipe Flushing Water to Sewer" form. The request form is found on the City website at the following location:

https://www.sandiego.gov/sites/default/files/pipe_flush_batch_disch_0.pdf

- a) When discharging to the sewer system has been approved, you shall use a totalizer flow meter to record the total volume discharged to sewer and shall submit to the Engineer a log of actual discharged water quantities, dates, and locations. Failure to report this information to the Engineer is a violation of the authorization for discharge to the sanitary sewer. Within five (5) Working Days of the discharge, the Engineer shall receive and report actual total flows to the sanitary sewer to the Public Utilities Department (PUD), Industrial Wastewater Control Program (IWCP).
- b) If the discharge to the sewer system is not approved, you shall discharge the water used for the testing of new mains to surface waters, storm drain inlets, or to other approved sources and you shall comply with 7-8.6.5, "Drinking Water Discharges Requirements". All discharge activities related to the project shall comply with the State Water Resources Control Board, ORDER WQ 2014-0194-DWQ, STATEWIDE GENERAL NPDES PERMIT FOR DRINKING WATER SYSTEMS DISCHARGES as referenced by:

http://www.waterboards.ca.gov/water_issues/programs/npdes/docs/drinkingwater/final_statewide_wqo2014_0194_dwq.pdf

ADD:

7-8.6.5.1

Payment.

1. The payment for complying with the requirements of drinking water systems discharge to the storm drain shall be included in the Bid item for "Drinking Water Discharge Monitoring by QSP".
2. The payment for complying with the discharge requirements for discharges to sewer system shall be included in the Bid item for the new water main.

7-13.4

Contractor Standards and Pledge of Compliance. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The Contract is subject to City's Municipal Code §22.3004 as amended 10/29/13 by ordinance O-20316.
2. You shall complete a Pledge of Compliance attesting under penalty of perjury that you complied with the requirements of this section.
3. You shall ensure that all Subcontractors complete a Pledge of Compliance attesting under penalty of perjury that they complied with the requirements of this section.
4. You shall require in each subcontract that the Subcontractor shall abide by the provisions of the City's Municipal Code §22.3004. A sample provision is as follows:

"Compliance with San Diego Municipal Code §22.3004. The Subcontractor acknowledges that it is familiar with the requirements of San Diego Municipal Code §22.3004 ("Contractor Standards"), and agrees to comply with requirements of that section. The Subcontractor further agrees to complete the Pledge of Compliance, incorporated herein by reference."

ADD:

7-13.8

Equal Pay Ordinance.

1. You shall comply with the Equal Pay Ordinance (EPO) codified in the San Diego Municipal Code (SDMC) in section 22.4801 through 22.4809, unless compliance is not required based on an exception listed in SDMC section 22.4804.
2. You shall require all of your Subcontractors to certify compliance with the EPO in their written subcontracts.
3. You shall post a notice informing your employees of their rights under the EPO in the workplace or job site.
4. By signing this Contract with the City of San Diego, you acknowledge the EPO requirements and pledge ongoing compliance with the requirements of SDMC Division 48, section 22.4801 et seq., throughout the duration of this Contract.

ADD:

7-16.1.3 Weekly Updates Recipients.

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

Sheila Bose, Senior Engineer, Sheila Bose Email: SBose@sandiego.gov

Jenny Jarrell, Project Engineer, Jenny Jarrell Email: Jjarrell@sandiego.gov

Resident Engineer, TBA, XXX@sandiego.gov

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

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

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

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

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

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

7-22.17 Monitoring of Potentially Petroleum Contaminated Soil. To the "WHITEBOOK", ADD the following:

5. The areas of known or suspected contamination are as follows:
 - a) Convoy Street (Kearney Mesa-Copley Street)

SECTION 9 - MEASUREMENT AND PAYMENT

9-3.2 Partial and Final Payment. To the "GREENBOOK", paragraph (3), DELETE in its entirety and SUBSTITUTE with the following:

Upon commencement of the Work, an escrow account shall be established in a financial institution chosen by you and approved by the City. Documentation for an escrow payment shall have an escrow agreement signed by you, the City, and the escrow agent. From each progress payment, no less than 5% will be deducted and deposited by the

City into the escrow account. Upon completion of the Contract, the City will notify the Escrow agent in writing to release the funds to you. Only the designated representative of the City shall sign the request for the release of Escrow funds.

SECTION 209 – PRESSURE PIPE

209 PRESSURE PIPE. To the “WHITEBOOK”, ADD the following:

2. PVC products, specifically type C900 and C905, as manufactured or distributed by J-M Manufacturing Company or JM Eagle shall not be used on the Contract for pressurized pipe.

SECTION 217 – BEDDING AND BACKFILL MATERIALS

217-2.2 Stones, Boulders, and Broken Concrete. To the “GREENBOOK”, 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	

Zone	Zone Limits	Maximum Size (greatest dimension)	Backfill Requirements in Addition to 217-2.1
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 304 – METAL FABRICATION AND CONSTRUCTION

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

SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION

306-1 GENERAL. To the "GREENBOOK", ADD the following:

Build the Project in accordance with the water high-lining phasing shown on the Plans and in phases as follows:

1. Phase I: Convoy Street (Kearny Mesa-Copley Street)

When installing pipelines within the City's streets, for the following streets, the total time allowed for the completion of Work shall not exceed 10 Working Days per 500' of pipeline installation:

306-3.3.4.1 Non-Friable Asbestos Cement Pipe (ACP). To the "WHITEBOOK", item 2, subsection "i", DELETE in its entirety and SUBSTITUTE with the following:

- i) A minimum of 5 Working Days prior to the transportation of the ACP disposal bins or friable asbestos waste, you shall provide notice to and assist the

Resident Engineer in completing the Inspection Work Request Form for the Asbestos, Lead, and Mold Program. The form is located below:

<https://forms.sandiego.gov/f/gS2064>

306-6.5.1 General. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. For PVC water pipes:
 - a) Bedding material shall:
 - i. Either be sand, crushed aggregate, or native free-draining granular material.
 - ii. 100% of the bedding material shall pass the no. 4 sieve and shall have an expansion when saturated with water of not more than 0.5%.
 - iii. Have a sand equivalent of SE 50. SE 30 or higher may be substituted for SE 50 as bedding material if all of the following requirements are met:
 - The top of the pipe and haunch areas are mechanically compacted by means of tamping, vibrating roller, or other mechanical tamper.
 - Equipment is of size and type approved by the Engineer.
 - 90% relative compaction or better is achieved.
 - b) When jetting, care shall be exercised to avoid floating of the pipe.
2. PVC sewer pipes shall be bedded in 3/8 inch (9.5 mm) or 1/2 inch (12.5 mm) crushed rock in accordance with 200-1.2, "Crushed Rock and Rock Dust". Crushed rock for PVC sewer pipes may contain recycled Portland Cement Concrete and shall conform to gradation requirements for 3/8 inch or 1/2 inch nominal size as shown in Table 200-1.2.1 (A).
3. Storm drains and all types of non-PVC sewer mains shall be bedded in 3/4 inch (19 mm) crushed rock in accordance with 200-1.2, "Crushed Rock and Rock Dust". Crushed rock for storm drains may contain recycled Portland Cement Concrete and shall conform to gradation requirements for 3/4 inch nominal size as shown in Table 200-1.2.1 (A). Bedding shall be placed to a depth of 4 inches (101.6 mm) below the outside diameter of the pipe or 1 inch (25.4 mm) below the bell of the pipe, whichever is greater.

306-7.8.2.1 General. To the "WHITEBOOK", item 2, ADD the following:

- a) Specified test pressure for Class 235 pipe shall be 150 psi and is tested at 225psi.
- b) Specified test pressure for Class 305 pipe shall be 200 psi and is tested at 300psi.

306-15.2 Shoring and Bracing. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The Bid item for "Trench Shoring" shall include full compensation for furnishing, installing, maintaining, and removing all sheeting, shoring, or bracing for any conditions encountered that require shoring including the preparation of engineered Shoring Plans in accordance with 7-10.4.2.2, "Shoring Plan". No additional payment shall be made.

SECTION 600 - ACCESS

ADD:

600-1 GENERAL. To the "WHITEBOOK", item 5, DELETE in its entirety and SUBSTITUTE with the following:

5. If the City's crews are unable to provide the citizens with the mandated services due to your failure to comply with these specifications, you shall collect trash, recyclables, and yard waste on the City's schedule and deliver to the City's designated locations. If you fail to perform this Work, you shall incur additional costs for the City to reschedule pick up of an area.

SECTION 601 - TEMPORARY TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANCE WORK ZONES

601-2.1.2 Engineered Traffic Control Plans (TCP). To the "GREENBOOK", ADD the following:

6. Engineered TCP (2 foot x 3 foot size) shall be required for the following areas:
 - a) Convoy Street (Kearny Mesa Rd to Copley Place) 40350-32-58-D

601-6 PAYMENT. To the "WHITEBOOK", item 5, ADD the following:

- e) The payment for furnishing, installing, programming, maintaining, and removing City approved temporary video or radar detection systems as specified in 601-1, "GENERAL" shall be included in the Bid item for each "Temporary Detection System" required at each intersection.

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 Relocating and Installing Pedestrian Push Button Poles shall be included in the Bid item for each “Relocate/Install Pedestrian Push Button Pole”.

SECTION 900 – MATERIALS

900-1.1.1 Galvanized Pipe. To the “WHITEBOOK”, Item 8 Hoses, DELETE in its entirety and SUBSTITUTE with the following:

8. Hoses:
 - a) User Connection (Service Meters).
 - i. For meters up to 1 inch (25.4 mm), the hose shall be 1 inch (25.4 mm) potable water hose with 300 WP rating. End connections shall be galvanized steel, “Chicago” 2-lug, quarter-turn, quick-disconnect fittings banded to the hose.
 - ii. Materials shall meet the NSF/ANSI 61 certification for potable water use in conformance with AWWA C651-14.
 - b) Curves and Curbs.
 - i. Hose shall be 2 inch (50.8 mm) potable water hose with 300 WP rating. End connections shall be galvanized steel grooved

mechanical end fittings in compliance with ASTM C606 banded to the hose.

- ii. Materials shall meet the NSF/ANSI 61 certification for potable water use in conformance with AWWA C651-14.

900-1.1.3 Yelomine Pipe. To the "WHITEBOOK", Item 8 Hoses, DELETE in its entirety and SUBSTITUTE with the following:

8. Hoses:

a) User Connection (Service Meters).

- i. For meters up to 1 inch (25.4 mm), the hose shall be 1 inch (25.4 mm) potable water hose with 300 WP rating. End connections shall be galvanized steel, "Chicago" 2-lug, quarter-turn, quick-disconnect fittings banded to the hose.
- ii. Materials shall meet the NSF/ANSI 61 certification for potable water use in conformance with AWWA C651-14.

b) Curves and Curbs.

- i. Hose shall be 2 inch (50.8 mm) potable water hose with 300 WP rating. End connections shall be galvanized steel grooved mechanical end fittings in compliance with ASTM C606 banded to the hose.
- ii. Materials shall meet the NSF/ANSI 61 certification for potable water use in conformance with AWWA C651-14.

900-1.2 Payment. To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

- 2. The Payment for your high-lining materials (fittings, valves, and hardware), including delivery and unloading, shall be paid for under the linear foot Bid item "Furnished Materials for Contractor High-line Work".

SECTION 901 - INSTALLATION AND CONNECTION

901-2.5 Payment. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

- 3. Traffic control, saw cutting the trench area, trench caps, and other spot repairs in the vicinity of the disturbed area at each restored connection shall be included in the square foot Bid item for "Pavement Restoration for Final Connection". Asphalt overlay and slurry seal Work shall be paid for under separate Bid items.

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 92101-2400

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 Name: AC Water and Sewer Group 1042

Project WBS No.: B-17177 (W), B-17176 (S)

Project Location-Specific: Convoy St between Kearny Mesa Rd and SR-52, Kearny Mesa Community Planning Area, Council District 6

Project Location-City/County: San Diego/San Diego

Description of nature and purpose of the Project: This project proposes to replace-in-place 9,511 linear feet (LF) of existing 6-inch, 12-inch, and 16-inch AC water main with 9,511 LF (1.8 miles) of 16-inch PVC water main via open trench construction methods and includes associated water services, fire hydrants, curb ramps, and traffic control.

The project also proposes to rehabilitate 9,726 LF (1.84 miles) of existing 8-inch, 10-inch, and 12-inch vitrified clay (VC) sewer main, replace-in-place 640 LF (0.12 miles) of existing 10-inch and 12-inch VC sewer main via open trench construction methods, six point repairs on existing VC sewer mains, two manhole rehabilitations, eight sewer main cleanouts, assessment of all sewer laterals by closed circuit television, rehabilitation of existing sewer laterals, and installation of sewer lateral cleanouts at the property line. Sidewalks will be replaced and/or repaired as needed for sewer main replacement or point repair.

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,
Contact: Gretchen Eichar, Senior Planner
Ph: 619-533-4110
525 B Street, Suite 750, 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))
- (X) Categorical Exemption: Section 15301(b), Section 15302(c)
- () 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, Section 15301(b) and Section 15302(c); and where the exceptions listed in Section 15300.2 would not apply.

Lead Agency Contact Person: Gretchen Eichar

Telephone: (619) 533-4110

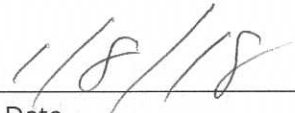
If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a notice of exemption been filed by the public agency approving the project? () Yes () No

It is hereby certified that the City of San Diego has determined the above activity to be exempt from CEQA



Carrie Purcell, Assistant Deputy Director



Date

Check One:

- (X) Signed By Lead Agency
() Signed by Applicant

Date Received for Filing with County Clerk or OPR:

APPENDIX B
FIRE HYDRANT METER PROGRAM

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 1 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

1. **PURPOSE**

1.1 To establish a Departmental policy and procedure for issuance, proper usage and charges for fire hydrant meters.

2. **AUTHORITY**

2.1 All authorities and references shall be current versions and revisions.

2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15

2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986

2.4 California Code of Regulations, Titles 17 and 22

2.5 California State Penal Code, Section 498B.0

2.6 State of California Water Code, Section 110, 500-6, and 520-23

2.7 Water Department Director

Reference

2.8 State of California Guidance Manual for Cross Connection Programs

2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention

2.10 American Water Works Association Standards for Water Meters

2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

3. **DEFINITIONS**

3.1 **Fire Hydrant Meter:** A portable water meter which is connected to a fire hydrant for the purpose of temporary use. (These meters are sometimes referred to as Construction Meters.)

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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 2 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

- 3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.
- 3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

4. **POLICY**

- 4.1 The Water Department shall collect a deposit from every customer requiring a fire hydrant meter and appurtenances prior to providing the meter and appurtenances (see Section 7.1 regarding the Fees and Deposit Schedule). The deposit is refundable upon the termination of use and return of equipment and appurtenances in good working condition.
- 4.2 Fire hydrant meters will have a 2 ½" swivel connection between the meter and fire hydrant. The meter shall not be connected to the 4" port on the hydrant. All Fire Hydrant Meters issued shall have a Reduced Pressure Principle Assembly (RP) as part of the installation. Spanner wrenches are the only tool allowed to turn on water at the fire hydrant.
- 4.3 The use of private hydrant meters on City hydrants is prohibited, with exceptions as noted below. All private fire hydrant meters are to be phased out of the City of San Diego. All customers who wish to continue to use their own fire hydrant meters must adhere to the following conditions:
 - a. Meters shall meet all City specifications and American Water Works Association (AWWA) standards.
 - b. Customers currently using private fire hydrant meters in the City of San Diego water system will be allowed to continue using the meter under the following conditions:
 - 1. The customer must submit a current certificate of accuracy and calibration results for private meters and private backflows annually to the City of San Diego, Water Department, Meter Shop.

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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 3 OF 10	EFFECTIVE DATE October 15, 2002
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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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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 4 OF 10	EFFECTIVE DATE October 15, 2002
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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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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 5 OF 10	EFFECTIVE DATE October 15, 2002
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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

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 7 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

for removal of the meter.

- c. Meter Section staff will remove the meter and backflow prevention assembly and return it to the Meter Shop. Once returned to the Meter Shop the meter and backflow will be tested for accuracy and functionality.
- d. Meter Section Staff will contact and notify Customer Services of the final read and any charges resulting from damages to the meter and backflow or its appurtenance. These charges will be added on the customer's final bill and will be sent to the address of record. Any customer who has an outstanding balance will not receive additional meters.
- e. Outstanding balances due may be deducted from deposits and any balances refunded to the customer. Any outstanding balances will be turned over to the City Treasurer for collection. Outstanding balances may also be transferred to any other existing accounts.

5. **EXCEPTIONS**

- 5.1 Any request for exceptions to this policy shall be presented, in writing, to the Customer Support Deputy Director, or his/her designee for consideration.

6. **MOBILE METER**

- 6.1 Mobile meters will be allowed on a case by case basis. All mobile meters will be protected by an approved backflow assembly and the minimum requirement will be a Reduced Pressure Principal Assembly. The two types of Mobile Meters are vehicle mounted and floating meters. Each style of meters has separate guidelines that shall be followed for the customer to retain service and are described below:

- a) **Vehicle Mounted Meters:** Customer applies for and receives a City owned Fire Hydrant Meter from the Meter Shop. The customer mounts the meter on the vehicle and brings it to the Meter Shop for

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 8 OF 10	EFFECTIVE DATE October 15, 2002
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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.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 9 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

7. **FEE AND DEPOSIT SCHEDULES**

- 7.1 **Fees and Deposit Schedules:** The fees and deposits, as listed in the Rate Book of Fees and Charges, on file with the Office of the City Clerk, are based on actual reimbursement of costs of services performed, equipment and materials. These deposits and fees will be amended, as needed, based on actual costs. Deposits, will be refunded at the end of the use of the fire hydrant meter, upon return of equipment in good working condition and all outstanding balances on account are paid. Deposits can also be used to cover outstanding balances.

All fees for equipment, installation, testing, relocation and other costs related to this program are subject to change without prior notification. The Mayor and Council will be notified of any future changes.

8. **UNAUTHORIZED USE OF WATER FROM A HYDRANT**

- 8.1 Use of water from any fire hydrant without a properly issued and installed fire hydrant meter is theft of City property. Customers who use water for unauthorized purposes or without a City of San Diego issued meter will be prosecuted.
- 8.2 If any unauthorized connection, disconnection or relocation of a fire hydrant meter, or other connection device is made by anyone other than authorized Water Department personnel, the person making the connection will be prosecuted for a violation of San Diego Municipal Code, Section 67.15. In the case of a second offense, the customer's fire hydrant meter shall be confiscated and/or the deposit will be forfeited.
- 8.3 Unauthorized water use shall be billed to the responsible party. Water use charges shall be based on meter readings, or estimates when meter readings are not available.
- 8.4 In case of unauthorized water use, the customer shall be billed for all applicable charges as if proper authorization for the water use had been obtained, including but not limited to bi-monthly service charges, installation charges and removal charges.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 10 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

- 8.5 If damage occurs to Water Department property (i.e. fire hydrant meter, backflow, various appurtenances), the cost of repairs or replacements will be charged to the customer of record (applicant).

Water Department Director

- Tabs: 1. Fire Hydrant Meter Application
2. Construction & Maintenance Related Activities With No Return To Sewer
3. Notice of Discontinuation of Service

APPENDIX

Administering Division: Customer Support Division

Subject Index: Construction Meters
Fire Hydrant
Fire Hydrant Meter Program
Meters, Floating or Vehicle Mounted
Mobile Meter
Program, Fire Hydrant Meter

Distribution: DI Manual Holders



Application for Fire 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:		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 WITH CASH FLOW FORECAST

WBS #:	B18108
Date Submitted:	10/10/2018
NTP Date:	3/23/2018
Final Statement of WD Date:	5/23/2020
Contract #:	K-XX-XXXX-XXX-X
Contract Amount:	\$5,617,000

Construction Cash Flow Forecast

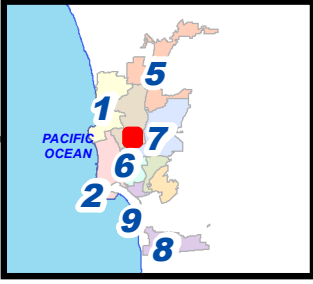
"Sewer and Water Group Job 965 (W)"

Year	January	February	March	April	May	June	July	August	September	October	November	December
2018				15,000	25,000	52,000	52,000	100,000	10,000	100,000	100,000	100,000
2019	10,000	10,000	85,000	58,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	1,000,000
2020	100,000	100,000	100,000	1,000,000	1,000,000							
2021												
2022												
2023												
2024												
2025												

SAMPLE REFERENCE

APPENDIX E
LOCATION MAP

The City of
SAN DIEGO Public Works
AC WATER AND SEWER GROUP 1042



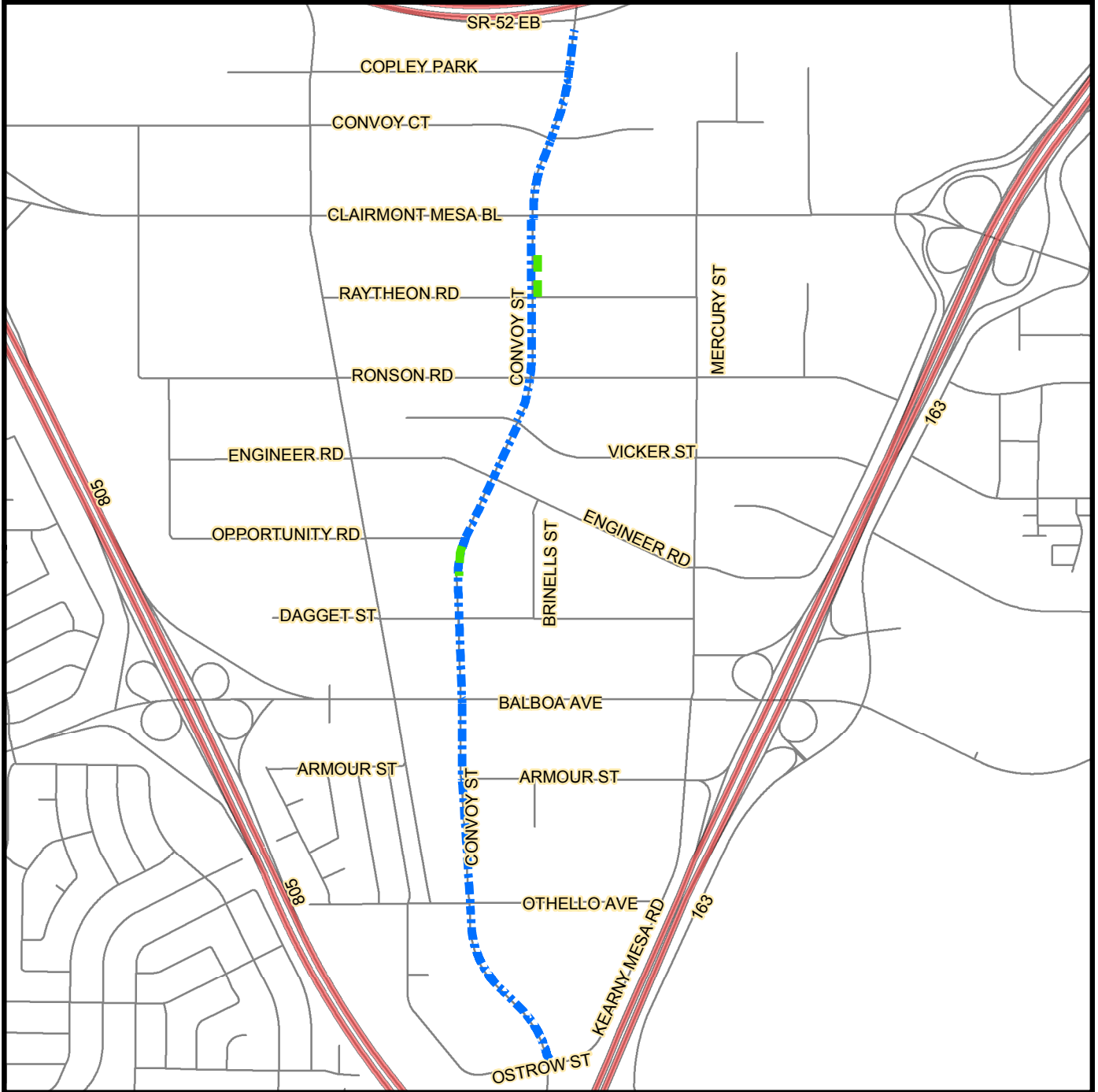
LOCATION MAP

SENIOR ENGINEER
 SHEILA BOSE
 (619) 533-4698

PROJECT MANAGER
 JAIME RAMOS
 (619) 533-5103

PROJECT ENGINEER
 JENNY JARRELL
 (619) 533-5224

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



Legend

- AC Water & Sewer Group 1042 (S)
- AC Water & Sewer Group 1042 (W)



COMMUNITY NAME: KEARNY MESA

COUNCIL DISTRICT: 6

SAP ID: B17176 (S) \

Date: August 7, 2018
 AC Water & Sewer Group 1042



B17177 (W)

Appendix E - Location Map

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APPENDIX F
ADJACENT PROJECTS

AC Water and Sewer Group 1049

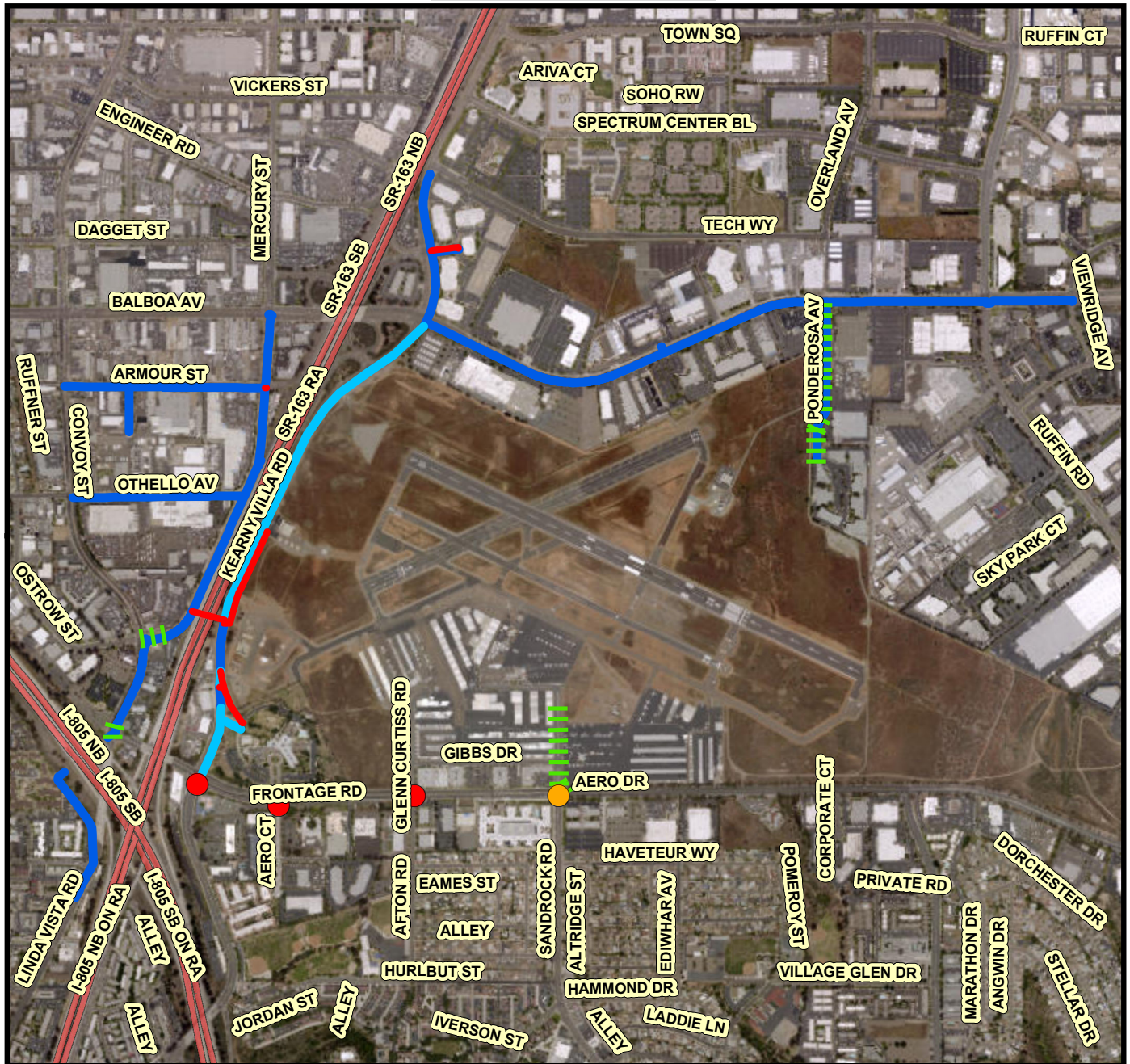
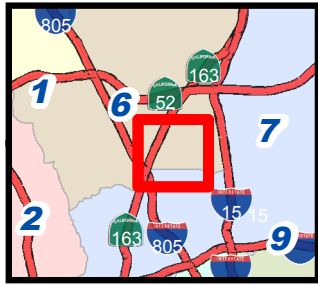
PREDESIGN
SENIOR ENGINEER
 SUMER HASENIN
 (619) 533-4102

PREDESIGN
PROJECT MANAGER
 HENRY GIMUTAO
 (619) 533-3408

PREDESIGN
PROJECT ENGINEER
 ED CASTANEDA
 (619) 533-6609

PREDESIGN
DRAFTER
 KARLENE AKERS
 (619) 533-3490

PRELIMINARY LOCATION MAP



Legend

- - - - - Proposed Sewer 1049
- Proposed Water 1049
- Proposed Water Replacement 1049
- Abandon Water 1049
- Check Valve 1049
- Closed Gate Valve 1049



Doc Path: \\ad\dfs\PWD-Shared\PI\SIPITS-CIP-Preliminary-Engineering-and-Program-Coordination\Drafting\Water & Sewer Projects\AC Water Projects\AC Water and Sewer Group 1049\CIP Tracking\Location Map\Location Template.mxd



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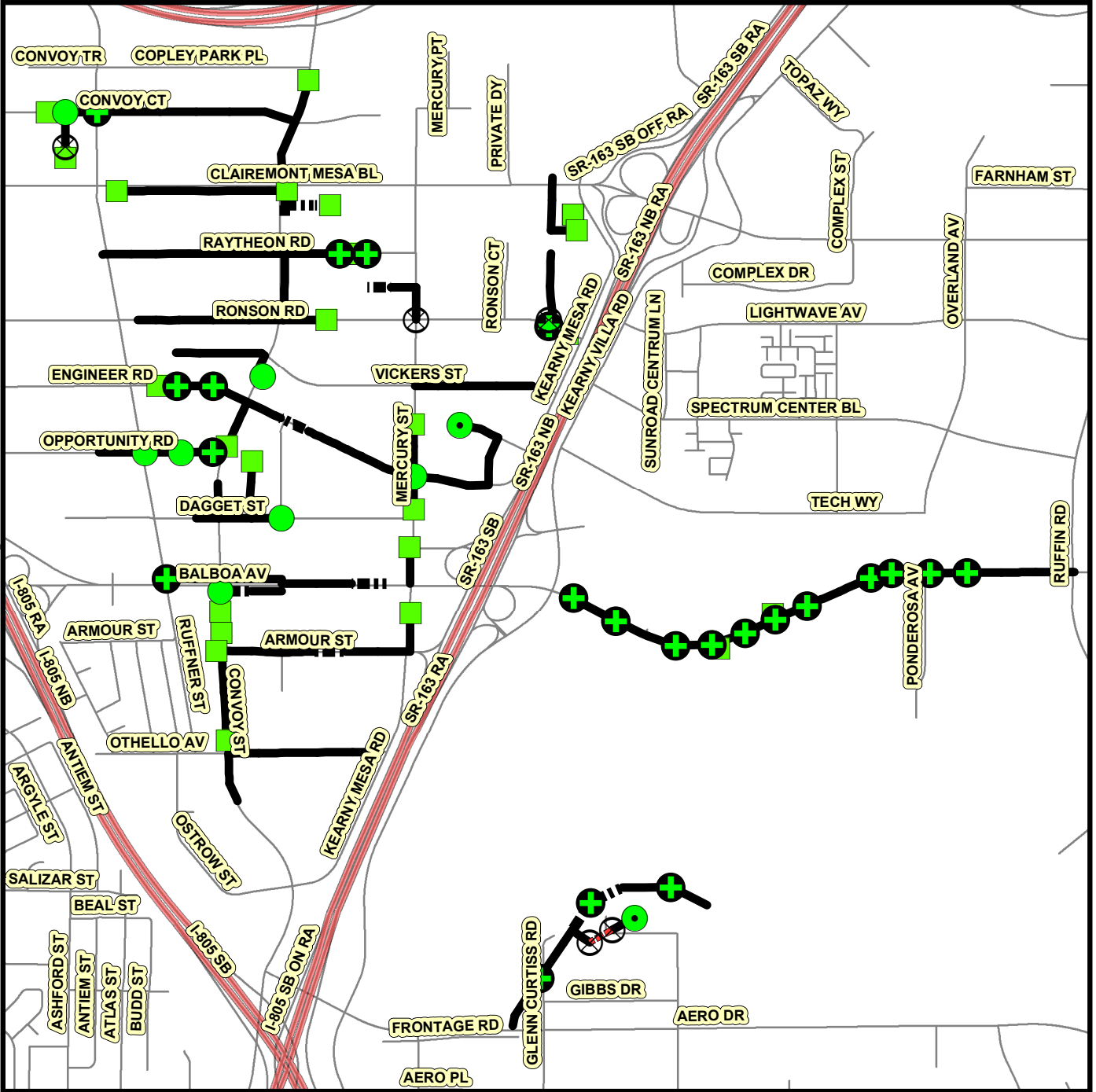
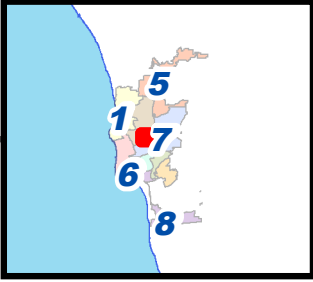
PIPELINE REHABILITATION AO-1

SENIOR ENGINEER
SHEILA BOSE
619-533-4698

PROJECT MANAGER
JAIME RAMOS
619-533-5103

PROJECT ENGINEER
ELIZABETH DUNN
619-533-7461

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



Legend

- Proposed New Manhole
- Proposed MH Rehabilitation w/Point Repair
- Proposed Pipeline Rehabilitation w/Point Repair
- Proposed MH Replacement
- Proposed Cleanouts
- Proposed Pipeline Rehabilitation
- Proposed MH Rehabilitation
- Proposed Sewer Main Replacement



COMMUNITY NAME: KEARNY MESA

COUNCIL DISTRICT: 6

SAP ID: B16161 (S)

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APPENDIX G

MONTHLY DRINKING WATER DISCHARGE MONITORING FORM

DRINKING WATER DISCHARGE MONITORING FORM

(Use for All Discharges to the Storm Drain)

All discharge activities related to this project comply with the State Water Resources Control Board ORDER WQ 2014-0194-DWQ, STATEWIDE GENERAL NPDES PERMIT FOR DRINKING WATER SYSTEMS DISCHARGES as referenced by (http://www.waterboards.ca.gov/water_issues/programs/npdes/docs/drinkingwater/final_statewide_wqo2014_0194_dwq.pdf), and as follows:

Project Name:		WBS No.:		Watershed No.	
Qualified Person Conducting Tests:		signature			

BMPs MUST BE IN PLACE PRIOR TO ANY SCHEDULED DISCHARGE

By signing, I certify that all of the statements and conditions for drinking water discharge events are correct.

Event #1												
Discharge Location ¹	Category ² (Select one)	Notification ³ (Select all that apply)	BMPs in Place ⁴ (Select all that apply)	Volume ⁵ (gal)	Sampling ⁶ (take samples at 10 mins, 50-60 mins & last 10 mins)				Exceedence ⁷			Notes <small>Report exceedence to RE & complete page 2 of 2</small>
					Measure	Unit	Time	Result	Limit	No	Yes	
Inlet Location Date: Start Time: Date: End Time:	<input type="checkbox"/> Superchlorinated <small>(Chlorine added for disinfection)</small>	<input type="checkbox"/> TSW <small>(All Categories)</small>	<input type="checkbox"/> Sweep flow path <small>(gutter, street, etc.)</small>	Total	Chlorine	mg/L			0.1 mg/L= Exceedence			
	<input type="checkbox"/> Large Volume <small>(≥ 325,850 gal)</small>	<input type="checkbox"/> PUD <small>(All Categories)</small>	<input type="checkbox"/> Dechlorination <small>(diffusers, chemicals, etc.)</small>				Reused <small>(if any)</small>					
	<input type="checkbox"/> Well Dev/Rehab <small>(Not Typical)</small>	<input type="checkbox"/> Water Board <small>(Large Volume Only)</small>	<input type="checkbox"/> Inlet Protection		Turbidity	NTU			20 NTU= Exceedence 225 NTU= Exceedence for Ocean			
	<input type="checkbox"/> Small Volume/Other <small>(No Sampling Required)</small>	<input type="checkbox"/> County <small>(≥100,000 gal & within ¼ mile of ocean/bay; or if enters the County's MS4)</small>	<input type="checkbox"/> Erosion Controls									
			<input type="checkbox"/> Sediment Controls		pH	Unit			Range 6.5 to 8.5			

Event #2												
Discharge Location ¹	Category ² (Select one)	Notification ³ (Select all that apply)	BMPs in Place ⁴ (Select all that apply)	Volume ⁵ (gal)	Sampling ⁶ (take samples at 10 mins, 50-60 mins & last 10 mins)				Exceedence ⁷			Notes <small>Report exceedence to RE & complete page 2 of 2</small>
					Measure	Unit	Time	Result	Limit	No	Yes	
Inlet Location Date: Start Time: Date: End Time:	<input type="checkbox"/> Superchlorinated <small>(Chlorine added for disinfection)</small>	<input type="checkbox"/> TSW <small>(All Categories)</small>	<input type="checkbox"/> Sweep flow path <small>(gutter, street, etc.)</small>	Total	Chlorine	mg/L			0.1 mg/L= Exceedence			
	<input type="checkbox"/> Large Volume <small>(≥ 325,850 gal)</small>	<input type="checkbox"/> PUD <small>(All Categories)</small>	<input type="checkbox"/> Dechlorination <small>(diffusers, chemicals, etc.)</small>				Reused <small>(if any)</small>					
	<input type="checkbox"/> Well Dev/Rehab <small>(Not Typical)</small>	<input type="checkbox"/> Water Board <small>(Large Volume Only)</small>	<input type="checkbox"/> Inlet Protection		Turbidity	NTU			20 NTU= Exceedence 225 NTU= Exceedence for Ocean			
	<input type="checkbox"/> Small Volume/Other <small>(No Sampling Required)</small>	<input type="checkbox"/> County <small>(≥100,000 gal & within ¼ mile of ocean/bay; or if enters the County's MS4)</small>	<input type="checkbox"/> Erosion Controls									
			<input type="checkbox"/> Sediment Controls		pH	Unit			Range 6.5 to 8.5			

Instructional Notes found on the Page 2 of 2

Submit completed Form to RE

Receiving Water Monitoring

(Complete only if limits exceed on Page 1 of 2)

Event #1	
1) Go to the location where the discharge enters the receiving water.	
<input type="checkbox"/> Accessible <input type="checkbox"/> Unable to Determine <input type="checkbox"/> No Safe Access	
2) If accessible, take photos and complete the visual monitoring below. If unable to determine, stop here. If no safe access, stop here.	
3) Visual Monitoring: Is the discharge into the receiving water...	
...causing erosion	<input type="checkbox"/> Yes <input type="checkbox"/> No
...carrying floating or suspended matter	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing discoloration	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing and impact to the aquatic life present	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with visible film	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with an sheen or coating	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing potential nuisance conditions	<input type="checkbox"/> Yes <input type="checkbox"/> No
3) If all answers are NO, stop here.	
4) If any answers are YES, Notify the RE immediately for further action	

Event #2	
1) Go to the location where the discharge enters the receiving water.	
<input type="checkbox"/> Accessible <input type="checkbox"/> Unable to Determine <input type="checkbox"/> No Safe Access	
2) If accessible, take photos and complete the visual monitoring below. If unable to determine, stop here. If no safe access, stop here.	
3) Visual Monitoring: Is the discharge into the receiving water...	
...causing erosion	<input type="checkbox"/> Yes <input type="checkbox"/> No
...carrying floating or suspended matter	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing discoloration	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing and impact to the aquatic life present	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with visible film	<input type="checkbox"/> Yes <input type="checkbox"/> No
...observed with an sheen or coating	<input type="checkbox"/> Yes <input type="checkbox"/> No
...causing potential nuisance conditions	<input type="checkbox"/> Yes <input type="checkbox"/> No
3) If all answers are NO, stop here.	
4) If any answers are YES, Notify the RE immediately for further action	

Instructional Notes to Contractor

- 1) Log the location of the inlet or discharge point. For example: Albatross St & 5th Av. Log the start date and time and the end date and time of the discharge.
- 2) Log the discharge category. "Superchlorinated" are discharges where additional chlorine is added in order to adequately disinfect and sanitize drinking water system facilities. This does NOT include potable water containing residual chlorine from the water treatment process. "Large Volume" discharges are greater than 325,850 gallons of total volume for one event. "Well Dev/Rehab" are discharges of potable ground water from a well. This is not typical. If none of these categories apply, then select "Small Volume/Other."
- 3) Notifications of the location, date, time, category, and estimated volume of discharge must be made to the contacts and per the requirements below:

Contact	Email	When to Notify
TSW	SWPPP@SanDiego.gov	3 days prior to all discharges
PUD	CompReports@SanDiego.gov RDavenport@sandiego.gov	3 days prior to all discharges
San Diego Water Board	SanDiego@WaterBoards.ca.gov cc:Ben.Neill@WaterBoards.ca.gov	3 days prior to a Large Volume discharge
County of San Diego	DEH: joseph.palmer@sdcounty.ca.gov dominique.edwards@sdcounty.ca.gov	3 days prior if ≥100,000 gal within ¼ mile of the ocean/bay
	WPP: Nicholas.DelValle@sdcounty.ca.gov	3 days prior if enters County's MS4 or unincorporated County

- 4) At a minimum, sweep gutters prior to starting discharge and use dechlorination BMPs. The contractor and RE must monitor and determine if BMPs need to be removed/modified. For example if inlet protection is causing flooding at a storm drain inlet, contractor may elect to remove BMPs. Document any modification to BMPs in notes section.
- 5) Total volume must be logged for all discharges. If discharge water is reused for other purposes such as watering a golf course, log that volume under "Reused"
- 6) Sampling is required for categories per the following table:

Category	Measure	Sample Frequency
Superchlorinated	Chlorine, Turbidity, pH	first 10 mins, 50-60 mins, last 10 mins
Large Volume	Chlorine, Turbidity	first 10 mins, 50-60 mins, last 10 mins
Well Dev/Rehab	Chlorine, Turbidity	first 10 mins, 50-60 mins, last 10 mins
Small Volume/Other	None	None

- 7) Effluent limitations must be monitored not to exceed per the following table:

Measure	Method	Limit
Volume	Estimate None	
Chlorine	Field Measurement	0.10 mg/L-Cl
Turbidity	Visual Estimate	20 NTU for inland water 225 NTU for ocean 100 NTU for well water
pH	Field Measurement	6.5 to 8.5

APPENDIX H
CALTRANS PERMIT

ENCROACHMENT PERMIT RIDER

TR-0122 (REV. 6/99)

Collected By CN	Permit No. 11-17-NTK-0736 R1
Rider Fee Paid \$ EXEMPT	Dist/Co/Rte/PM 11-SD-52/5.50
Date JULY 2, 2018	Rider Number 11-18-NRT-0561

TO: CITY OF SAN DIEGO
525 B STREET, SUITE 750
SAN DIEGO, CA 92101

ATTN: CASEY CROWN
PHONE: (619) 533-5485

, PERMITTEE

In compliance with your request of JUNE 26, 2018, we are hereby amending the above numbered encroachment permit as follows:

Date of completion extended to: **JUNE 30, 2019.**

TIME EXTENSION ONLY

Except as amended, all other terms and provisions of the original permit shall remain in effect.

CN:cn

cc: Permits

OPerryman, Reg. Mgr.

RYanzon, Inspector

Permittee

Parent Permit

APPROVED:

Tim Gubbins, Acting District Director

BY:



Joy J. Lee, District Permit Engineer

ADA Notice: For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

FM 91 1437

STATE OF CALIFORNIA DEPT. TRANSPORTATION
4050 TAYLOR STREET, MS 110
SAN DIEGO, CA. 92110

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
NOTICE OF COMPLETION
TR-0128 (REV. 3/92)

Ryan 2000

1117NTK0736

PERMIT NO

11-SD-52/5.50

City of San Diego

Dear Sir:

All work authorized by the above-numbered permit was
completed on _____

DATE

SIGNATURE OF PERMITTEE

FM 02 1546 M

ENCROACHMENT PERMIT

TR-0120 (REV. 6/2012)

In compliance with (Check one):

- Your application of OCTOBER 09, 2017
- Utility Notice No. _____ of _____
- Agreement No. _____ of _____
- R/W Contract No. _____ of _____

Permit No. 11-17-NTK-0736	
Dist/Co/Rte/PM 11-SD-52/5.50	
Date DECEMBER 22, 2017	
Fee Paid \$ EXEMPT	Deposit \$ EXEMPT
Performance Bond Amount (1) \$ N/A	Payment Bond Amount (2) \$ N/A
Bond Company N/A	
Bond Number (1) N/A	Bond Number (2) N/A

TO: CITY OF SAN DIEGO
525 B STREET, SUITE 750
SAN DIEGO, CA 92101

ATTN: CASEY CROWN
PHONE: (619) 533-5485

, PERMITTEE

And subject to the following, PERMISSION IS HEREBY GRANTED to:

enter upon State Highway right of way in San Diego County, City of San Diego, on Route 52, post mile 5.50 to place traffic control within the State's right of way for water/sewer line replacement outside of the State's right of way, as shown on the attached plans, in accordance with the requirements and conditions contained herein and as further directed or approved by the State's Inspector, Ralph Yanzon, cell number (858) 688-1458, or by e-mail at ralph.yanzon@dot.ca.gov.

The State's Inspector shall be notified seven days prior to starting work.

Working hours shall be as directed or approved by the State's Inspector and in accordance with the attached traffic lane requirement chart nos. 1 and 2.

No vehicles or equipment shall be parked within the highway right of way at any time, except for those vehicles or that equipment actually engaged in the work, during the working hours specified herein.

(CONTINUED)

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER

The following attachments are also included as part of this permit (Check applicable):

- Yes No General Provisions
- Yes No Utility Maintenance Provisions
- Yes No Special Provisions
- Yes No A Cal-OSHA permit, if required: Permit No. _____
- Yes No As-Built Plans Submittal Route Slip for Locally Advertised Projects
- Yes No Water Pollution Control Plan

In addition to fee, the permittee will be billed actual costs for:

- Yes No Review
- Yes No Inspection
- Yes No Field Work

(If any Caltrans effort expended)

Yes No The information in the environmental documentation has been reviewed and is considered prior to approval of this permit.

This permit is void unless the work is complete before **JUNE 30, 2018.**

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized. No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

CN:cn
cc: Permits Contractor
OPerryman, Reg. Mgr.
RYanzon, Inspector
Permittee

APPROVED:

Cory Binns, Acting District Director
BY: *William O. Vivar*
Williams O. Vivar, Acting District Permit Engineer

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The following District Standard Special Provisions are generalizations of the Department Standard Specifications and are included only as a Permittee convenience. Permittee's attention is directed to the current Department Standard Specifications for complete, unabridged, specification requirements.

Once begun, that portion of the work within the State Highway right of way shall be prosecuted to completion as rapidly as possible.

All personnel on foot within the State Highway right of way shall wear personal protective equipment, including safety glasses, hard hats and American National Standards Institute (ANSI) compliant Class II vests. In addition, all personnel working at night, on foot within the State Highway right of way shall wear ANSI Class III warning garments.

Permittee is responsible for the actual cost of inspection, which may be more or less than the deposit. A bill or refund shall be sent upon satisfactory completion of the work. Payment of any bill is a condition of the permit.

Permittee's Contractor is responsible for the actual cost of inspection, which may be more or less than the deposit. A bill or refund shall be sent upon satisfactory completion of the work. Payment of any bill is a condition of the permit.

Notwithstanding General Provision No. 4, your contractor is required to apply for and obtain an encroachment permit prior to starting work. A fee/deposit of \$820.00 is required at the time of application.

The State of California, Department of Transportation, makes no assurance or expressed warranty that the plans are complete or that the planned construction fits field conditions. Should additional work or modifications of the work be required in order to meet established Department Standards or in order to fit field conditions, the work shall be performed by Permittee as directed by the State's Inspector at no cost to the State.

All work shall be coordinated with the State highway contractor's operations and under no circumstances shall the work granted herein interfere. All standards of construction shall be identical to similar work performed under adjacent highway contract.

Traffic control when permitted or directed by the State's Inspector, shall consist of closing traffic lanes and shoulders in accordance with attached Caltrans 2015 Revised Standard Plan RSP T9, RSP T10 (Shoulder Closure), and the attached TRAFFIC CONTROL PLANS, Part 6 "Temporary Traffic Control" of the California Manual on Uniform Traffic Control Devices (California MUTCD) 2014 Edition, Section 12 "Temporary Traffic Control" of Caltrans 2015 Standard Specifications, and these Special Provisions.

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If any component in the traffic control system is displaced, or ceases to operate or function as specified, from any cause, during the progress of the work, the Permittee shall immediately repair said component to its original condition or replace said component and shall restore the component to its original location.

The Permittee is responsible for locating and protecting all utilities both underground and aerial. Any costs incurred for locating and protecting and/or relocating any utilities shall be borne by the Permittee.

The provisions in this section will not relieve the Permittee from his responsibility to provide such additional devices or take such measures as may be necessary to comply with the provisions in Section 7-1.04, of the Standard Specifications.

Upon completion of the work, the attached card shall be completed and returned.

STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT GENERAL PROVISIONS
TR-0045 (REV. 09/2017)

1. **AUTHORITY:** The California Department of Transportation (“Department”) has authority to issue encroachment permits under Division 1, Chapter 3, Article 1, Sections 660 through 734 of the Streets and Highways Code.
2. **REVOCAION:** Encroachment permits are revocable on five (5) business days’ notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. Notwithstanding the foregoing, in an emergency situation as determined by the Department, an encroachment permit may be revoked immediately. These General Provisions and any applicable Special Provisions are subject to modification or abrogation at any time. Permittees’ joint use agreements, franchise rights, reserved rights or any other agreements for operating purposes in State of California (“State”) highway right-of-way are exceptions to this revocation.
3. **DENIAL FOR NONPAYMENT OF FEES:** Failure to pay encroachment permit fees when due may result in rejection of future applications and denial of encroachment permits.
4. **ASSIGNMENT:** No party other than the permittee or permittee’s authorized agent is allowed to work under this encroachment permit.
5. **ACCEPTANCE OF PROVISIONS:** Permittee understands and agrees to accept and comply with these General Provisions, the Special Provisions, any and all terms contained in this encroachment permit, and all attachments to this encroachment permit, for any work to be performed under this encroachment permit.
6. **BEGINNING OF WORK:** When traffic is not impacted (see General Provision # 35), the permittee must notify the Department’s representative two (2) business days before starting permitted work. Permittee must notify the Department’s representative if the work is to be interrupted for a period of five (5) business days or more, unless otherwise agreed upon. All work must be performed on weekdays during regular work hours, excluding holidays, unless otherwise specified in this encroachment permit.
7. **STANDARDS OF CONSTRUCTION:** All work performed within State highway right-of-way must conform to all applicable Departmental construction standards including but not limited to: Standard Specifications, Standard Plans, Project Development Procedures Manual, Highway Design Manual and Special Provisions.

Other than as expressly provided by these General Provisions, the Special Provisions, the Standard Specifications, Standard Plans, and other applicable Departmental standards, nothing in these General Provisions is intended to give any third party any legal or equitable right, remedy, or claim with respect to these General Provisions or any provision herein. These General Provisions are for the sole and exclusive benefit of the permittee and the Department.

Where reference is made in such standards to “Contractor” and “Engineer,” these are amended to be read as “Permittee” and “Department’s representative,” respectively, for purposes of this encroachment permit.
8. **PLAN CHANGES:** Deviations from plans, specifications, and/or encroachment permit provisions are not allowed without prior approval from the Department’s representative.
9. **INSPECTION AND APPROVAL:** All work is subject to monitoring and inspection. Upon completion of work, permittee must request a final inspection for acceptance and approval by the Department. The local public agency permittee must not give final construction approval to its contractor until final acceptance and approval by the Department is obtained.
10. **PERMIT AT WORKSITE:** Permittee must keep the permit package or a copy thereof at the work site at all times, and must show it upon request to any Department representative or law enforcement officer. If the permit package, or a copy thereof, is not kept and made available at the work site at all times, the work must be suspended.
11. **CONFLICTING ENCROACHMENTS:** Permittee must yield start of work to ongoing, prior authorized work adjacent to or within the limits of the permittee’s project site. When existing encroachments conflict with permittee’s work, the permittee must bear all cost for rearrangements (e.g., relocation, alteration, removal, etc.).
12. **PERMITS FROM OTHER AGENCIES:** This encroachment permit is invalidated if the permittee has not obtained all permits necessary and required by law, including but not limited to permits from the California Public Utilities Commission (CPUC), California Occupational Safety and Health Administration (Cal-OSHA), or any other public agency having jurisdiction. Permittee warrants all such permits have been obtained before beginning work under this encroachment permit.
13. **PEDESTRIAN AND BICYCLIST SAFETY:** A safe minimum continuous passageway of four (4) feet must be maintained through the work area at existing pedestrian or bicycle facilities. At no time must pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where safe alternate passageways cannot be provided, appropriate signs and barricades must be installed

at the limits of construction and in advance of the limits of construction at the nearest crosswalk or intersection to detour pedestrians to facilities across the street. Attention is directed to Section 7-1.04, *Public Safety*, of the Department's Standard Specifications.

14. **PUBLIC TRAFFIC CONTROL:** As required by law, the permittee must provide traffic control protection, warning signs, lights, safety devices, etc., and take all other measures necessary for the traveling public's safety. While providing traffic control, the needs of all road users, including but not limited to motorists, bicyclists and pedestrians, including persons with disabilities in accordance with the Americans with Disabilities Act, must be an essential part of the work activity.

Lane and/or shoulder closures must comply with the Department's Standard Specifications and Standard Plans for traffic control systems, and with the applicable Special Provisions. Where issues are not addressed in the Standard Specifications, Standard Plans, and/or Special Provisions, the California Manual on Uniform Traffic Control Devices (Part 6, *Temporary Traffic Control*) must be followed.

15. **MINIMUM INTERFERENCE WITH TRAFFIC:** Permittee must plan and conduct work so as to create the least possible inconvenience to the traveling public, such that traffic is not unreasonably delayed. On conventional highways, permittee must place properly attired flagger(s) to stop or warn the traveling public in compliance with the California Manual on Uniform Traffic Control Devices (Chapter 6E, *Flagger Control*).
16. **STORAGE OF EQUIPMENT AND MATERIALS:** The storage of equipment or materials is not allowed within State highway right-of-way, unless specified within the Special Provisions of this encroachment permit. If encroachment permit Special Provisions allow for the storage of equipment or materials within the State highway right-of-way, the equipment and material storage must also comply with Section 7-1.04, *Public Safety*, of the Department's Standard Specifications.
17. **CARE OF DRAINAGE:** Permittee must provide alternate drainage for any work interfering with an existing drainage facility in compliance with the Department's Standard Specifications, Standard Plans, and/or as directed by the Department's representative.
18. **RESTORATION AND REPAIRS IN STATE HIGHWAY RIGHT-OF-WAY:** Permittee is responsible for restoration and repair of State highway right-of-way resulting from permitted work (Streets and Highways Code, section 670 et seq.).
19. **STATE HIGHWAY RIGHT-OF-WAY CLEAN UP:** Upon completion of work, permittee must remove and dispose of all scraps, refuse, brush, timber, materials, etc.

off the State highway right-of-way. The aesthetics of the highway must be as it was before work started or better.

20. **COST OF WORK:** Unless stated otherwise in the encroachment permit or a separate written agreement with the Department, the permittee must bear all costs incurred for work within the State highway right-of-way and waives all claims for indemnification or contribution from the State, the Department, and from the Directors, officers, and employees of the State and/or the Department.
21. **ACTUAL COST BILLING:** When specified in the permit, the Department will bill the permittee actual costs at the currently set Standard Hourly Rate for encroachment permits.
22. **AS-BUILT PLANS:** When required, permittee must submit one (1) set of folded as-built plans within thirty (30) calendar days after completion and acceptance of work in compliance with requirements listed as follows:
 - a) Upon completion of the work provided herein, the permittee must submit a paper set of As-Built plans to the Department's representative.
 - b) All changes in the work will be shown on the plans, as issued with the permit, including changes approved by Encroachment Permit Rider.
 - c) The plans are to be prominently stamped or otherwise noted "AS-BUILT" by the permittee's representative who was responsible for overseeing the work. Any original plan that was approved with a Department stamp, or by signature of the Department's representative, must be used for producing the As-Built plans.
 - d) If construction plans include signing or striping, the dates of signing or striping removal, relocation, or installation must be shown on the As-Built plans when required as a condition of the encroachment permit. When the construction plans show signing and striping for staged construction on separate sheets, the sheet for each stage must show the removal, relocation, and installation dates of the appropriate staged striping and signing.
 - e) As-Built plans must contain the Encroachment Permit Number, County, Route, and Post Mile on each sheet.
 - f) The As-Built Plans must not include a disclaimer statement of any kind that differs from the obligations and protections provided by sections 6735 through 6735.6 of the California Business and Professions Code. Such statements constitute non-compliance with Encroachment Permit requirements, and may result in the Department retaining Performance Bonds or deposits until proper plans are submitted. Failure to comply may also result in denial of future encroachment permits or a provision requiring a public agency to supply additional bonding.

23. **PERMITS FOR RECORD PURPOSES ONLY:** When work in the State highway right-of-way is within an area under a Joint Use Agreement (JUA) or a Consent to Common Use Agreement (CCUA), a fee exempt encroachment permit is issued to the permittee for the purpose of providing a notice and record of work. The permittee's prior rights must be preserved without the intention of creating new or different rights or obligations. "Notice and Record Purposes Only" must be stamped across the face of the encroachment permit.
24. **BONDING:** The permittee must file bond(s), in advance, in the amount(s) set by the Department and using forms acceptable to the Department. The bonds must name the Department as obligee. Failure to maintain bond(s) in full force and effect will result in the Department stopping all work under this encroachment permit and possibly revoking other encroachment permit(s). Bonds are not required of public corporations or privately owned utilities unless permittee failed to comply with the provisions and/or conditions of a prior encroachment permit. The surety company is responsible for any latent defects as provided in California Code of Civil Procedure section 337.15. A local public agency permittee also must comply with the following requirements:
- a) In recognition that project construction work done on State property will not be directly funded and paid by State, for the purpose of protecting stop notice claimants and the interests of State relative to successful project completion, the local public agency permittee agrees to require the construction contractor to furnish both a payment and performance bond in the local public agency's name with both bonds complying with the requirements set forth in Section 3-1.05 *Contract Bonds* of the Department's Standard Specifications before performing any project construction work.
 - b) The local public agency permittee must defend, indemnify, and hold harmless the State and the Department, and the Directors, officers, and employees of the State and/or Department, from all project construction related claims by contractors, subcontractors, and suppliers, and from all stop notice and/or mechanic's lien claimants. The local public agency also agrees to remedy, in a timely manner and to the Department's satisfaction, any latent defects occurring as a result of the project construction work.
25. **FUTURE MOVING OF INSTALLATIONS:** Permittee understands and agrees to relocate a permitted installation upon notice by the Department. Unless under prior property right or agreement, the permittee must comply with said notice at the permittee's sole expense.
26. **ENVIRONMENTAL:**
- a) **ARCHAEOLOGICAL/HISTORICAL:** If any archaeological or historical resources are identified or encountered in the work vicinity, the permittee must immediately stop work, notify the Department's representative, retain a qualified archaeologist who must evaluate the site at permittee's expense, and make recommendations to the Department's representative regarding the continuance of work.
 - b) **HAZARDOUS MATERIALS:** If any hazardous waste or materials (such as underground storage tanks, asbestos pipes, contaminated soil, etc.) are identified or encountered in the work vicinity, the permittee must immediately stop work, notify the Department's representative, retain a qualified hazardous waste/material specialist who must evaluate the site at permittee's expense, and make recommendations to the Department's representative regarding the continuance of work.
- Attention is directed to potential aerially deposited lead (ADL) presence in unpaved areas along highways. It is the permittee's responsibility to take all appropriate measures to protect workers in conformance with California Code of Regulations Title 8, Section 1532.1, "Lead," and with Cal-OSHA Construction Safety Orders, and to ensure roadway soil management is in compliance with Department of Toxic Substances Control (DTSC) requirements.
27. **PREVAILING WAGES:** Work performed by or under an encroachment permit may require permittee's contractors and subcontractors to pay appropriate prevailing wages as set by the California Department of Industrial Relations. Inquiries or requests for interpretations relative to enforcement of prevailing wage requirements must be directed to the California Department of Industrial Relations.
28. **LIABILITY, DEFENSE, AND INDEMNITY:** The permittee agrees to indemnify and save harmless the State, the Department, and all Directors, officers, employees, agents and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind and description brought for or on account of property damage or injury to or death of any person, including but not limited to members of the public, the permittee, persons employed by the permittee, and persons acting on behalf of the permittee, arising out of or in connection with: (a) the issuance and/or use of this encroachment permit, and/or (b) the work or other activity conducted pursuant to this encroachment permit, and/or (c) the installation, placement, subsequent operation, and/or maintenance of said encroachment, and/or (d) the failure by the permittee or anyone acting on behalf of the permittee to perform permittee's obligations under this encroachment

permit in respect to maintenance or any other obligation, and/or (e) a defect or defects in the work, or obstructions related to the work, or from any cause whatsoever. The duty of the permittee to indemnify and save harmless includes the duties to defend as set forth in Section 2778 of the Civil Code.

It is the intent of the parties that except as prohibited by law, the permittee will defend, indemnify, and hold harmless as set forth above regardless of the existence or degree of fault or negligence, whether active or passive, primary or secondary, on the part of the State, the Department, the Directors, officers, employees, agents and/or contractors of the State and/or Department, including but not limited to the Director of Transportation and the Deputy Directors, the permittee, persons employed by the permittee, and/or persons acting on behalf of the permittee.

The permittee waives any and all rights to any type of expressed or implied indemnity against the State, the Department, the Directors, officers, employees, agents, and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors.

The permittee understands and agrees to comply with the obligations of Titles II and III of the Americans with Disabilities Act in the conduct of the permitted activity, and further agrees to defend, indemnify, and save harmless the State, the Department, the Directors, officers, employees, and/or agents of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind and description arising out of or by virtue of the Americans with Disabilities Act.

Permittee understands and agrees the Directors, officers, employees, and/or agents of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, are not personally responsible for any liability arising from or by virtue of this encroachment permit.

For the purpose of this section and all paragraphs herein, "State's contractors" includes contractors and their subcontractors under contract to the State and/or the Department performing work within the same postmile limits as the work under this encroachment permit.

This section and all paragraphs herein take effect upon issuance of this encroachment permit, and apply both during and after the work or other activity contemplated under this encroachment permit, except as otherwise provided by California law.

29. **NO PRECEDENT ESTABLISHED:** This encroachment permit is issued with the understanding that it does not establish a precedent.

30. **FEDERAL CIVIL RIGHTS REQUIREMENTS FOR PUBLIC ACCOMMODATION:**

a) As part of the consideration for being issued this encroachment permit, the permittee, on behalf of permittee and on behalf of permittee's personal representatives, successors in interest, and assigns, does hereby covenant and agree that:

- i. No person on the grounds of race, color, or national origin may be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.
- ii. That in connection with the construction of any improvements on said lands and the furnishings of services thereon, no discrimination must be practiced in the selection and retention of first-tier subcontractors in the selection of second-tier subcontractors.
- iii. That such discrimination must not be practiced against the public in their access to and use of the facilities and services provided for public accommodations (such as eating, sleeping, rest, recreation), and operation on, over, or under the space of the State highway right-of-way.
- iv. That the permittee must use the premises in compliance with all other requirements imposed pursuant to Title 15, Code of Federal Regulations, Commerce and Foreign Trade, Subtitle A. Office of the Secretary of Commerce, Part 8 (15 C.F.R. Part 8) and as said Regulations may be amended.

b) That in the event of breach of any of the above nondiscrimination covenants, the State and the Department have the right to terminate this encroachment permit and to re-enter and repossess said land and the facilities thereon, and hold the same as if said permit had never been made or issued.

31. **MAINTENANCE OF HIGHWAYS:** By accepting this encroachment permit, the permittee agrees to properly maintain any encroachment. This assurance requires the permittee to provide inspection and repair any damage, at permittee's expense, to State facilities resulting from the encroachment.

32. **SPECIAL EVENTS:** In accordance with subdivision (a) of Streets and Highways Code section 682.5, the Department is not responsible for the conduct or operation of the permitted activity, and the applicant agrees to defend, indemnify, and hold harmless the State, the Department, and the Directors, officers, employees, agents, and

contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind and description arising out of any activity for which this encroachment permit is issued.

The permittee understands and agrees to comply with the obligations of Titles II and III of the Americans with Disabilities Act in the conduct of the event, and further agrees to defend, indemnify, and save harmless the State and the Department, and the Directors, officers, and employees of the State and/or Department, including but not limited to the Director of the Department and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind and description arising out of or by virtue of the Americans with Disabilities Act.

33. **PRIVATE USE OF STATE HIGHWAY RIGHT-OF-WAY:** State highway right-of-way must not be used for private purposes without compensation to the State. The gifting of public property use and therefore public funds is prohibited under the California Constitution, Article 16.
34. **FIELD WORK REIMBURSEMENT:** Permittee must reimburse the Department for field work performed on permittee's behalf to correct or remedy hazards or damaged facilities, or to clear refuse, debris, etc. not attended to by the permittee.
35. **NOTIFICATION OF CLOSURES TO DEPARTMENT AND TRAFFIC MANAGEMENT CENTER (TMC):** The permittee must notify the Department's representative and the Transportation Management Center (TMC) at least seven (7) days before initiating a lane closure or conducting an activity that may cause a traffic impact. A confirmation notification should occur three (3) days before closure or other potential traffic impact. In emergency situations when the corrective work or the emergency itself may affect traffic, TMC and the Department's representative must be notified as soon as possible.
36. **SUSPENSION OF TRAFFIC CONTROL OPERATION:** The permittee, upon notification by the Department's representative, must immediately suspend all lane closure operations and any operation that impedes the flow of traffic. All costs associated with this suspension must be borne by the permittee.
37. **UNDERGROUND SERVICE ALERT (USA) NOTIFICATION:** Any excavation requires compliance with the provisions of Government Code section 4216 et. seq., including but not limited to notice to a regional notification center, such as Underground Service Alert (USA). The permittee must provide notification to the regional notification center at least forty-eight (48) hours

before performing any excavation work within the State highway right-of-way.

38. **COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA):** All work within the State highway right-of-way to construct and/or maintain any public facility must be designed, maintained, and constructed strictly in accordance with all applicable Federal Access laws and regulations (including but not limited to Section 504 of the Rehabilitation Act of 1973, codified at 29 U.S.C. § 794), California Access laws and regulations relating to ADA, along with its implementing regulations, Title 28 of the Code of Federal Regulations Parts 35 and 36 (28 C.F.R., Ch. I, Part 35, § 35.101 et seq., and Part 36, § 36.101 et seq.), Title 36 of the Code of Federal Regulations Part 1191 (36 C.F.R., Ch. XI, Part 1191, § 1119.1 et seq.), Title 49 of the Code of Federal Regulations Part 37 (49 C.F.R., Ch. A, Part 37, § 37.1 et seq.), the United States Department of Justice Title II and Title III for the ADA, and California Government Code section 4450 et seq., which require public facilities be made accessible to persons with disabilities.

Notwithstanding the requirements of the previous paragraph, all construction, design, and maintenance of public facilities must also comply with the Department's Design Information Bulletin 82, "Pedestrian Accessibility Guidelines for Highway Projects."

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DISTRICT COUNTY ROUTE POST-MILES TOTAL PROJECT SHEET TOTAL NO. SHEETS
 REGISTERED CIVIL ENGINEER
 January 20, 2017
 PLANS APPROVAL DATE
 REGISTERED CIVIL ENGINEER
 January 20, 2017
 PLANS APPROVAL DATE
 REGISTERED CIVIL ENGINEER
 January 20, 2017
 PLANS APPROVAL DATE
 REGISTERED CIVIL ENGINEER
 January 20, 2017
 PLANS APPROVAL DATE

TO ACCOMPANY PLANS DATED _____

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)			MAXIMUM CHANNELIZING DEVICE SPACING			
	TANGENT 2L	MERGING L	SHIFTING SHOULDER L/2	TAPER L/3	TANGENT	TANGENT	CONFLICT
20	150	60	40	27	20	40	10
25	250	125	63	42	25	50	12
30	350	180	90	60	30	60	15
35	450	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1260	600	300	200	50	100	25
55	1320	660	330	220	50	100	25
60	1440	720	360	240	50	100	25
65	1560	780	390	260	50	100	25
70	1680	840	420	280	50	100	25
75	1800	900	450	300	50	100	25

* - For other offsets, use the following merging taper length formula for L:
 For speed of 40 mph or less, $L = WS^2/60$
 For speed of 45 mph or more, $L = WS$

Where: L = Taper length in feet
 W = Width of offset in feet
 S = Posted speed limit, off-peak 85th-percentile
 speed prior to work starting, or the anticipated
 operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED * mph	Min D ** ft	DOWNGRADE Min D *** ft		
		-3%	-6%	-9%
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891
75	820	866	927	1003

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph
 ** - Longitudinal buffer space or flagger station spacing and longer than 1 mile.
 *** - Use on sustained downgrade steeper than -3 percent

TABLE 3

ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A ft	B ft	C ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	100	100	100
URBAN - MORE THAN 40 mph	250	250	250
RURAL	350	350	350
EXPRESSWAY / FREEWAY	500	500	500
	1000	1500	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM TABLES
 FOR LANE AND RAMP CLOSURES**
 NO SCALE

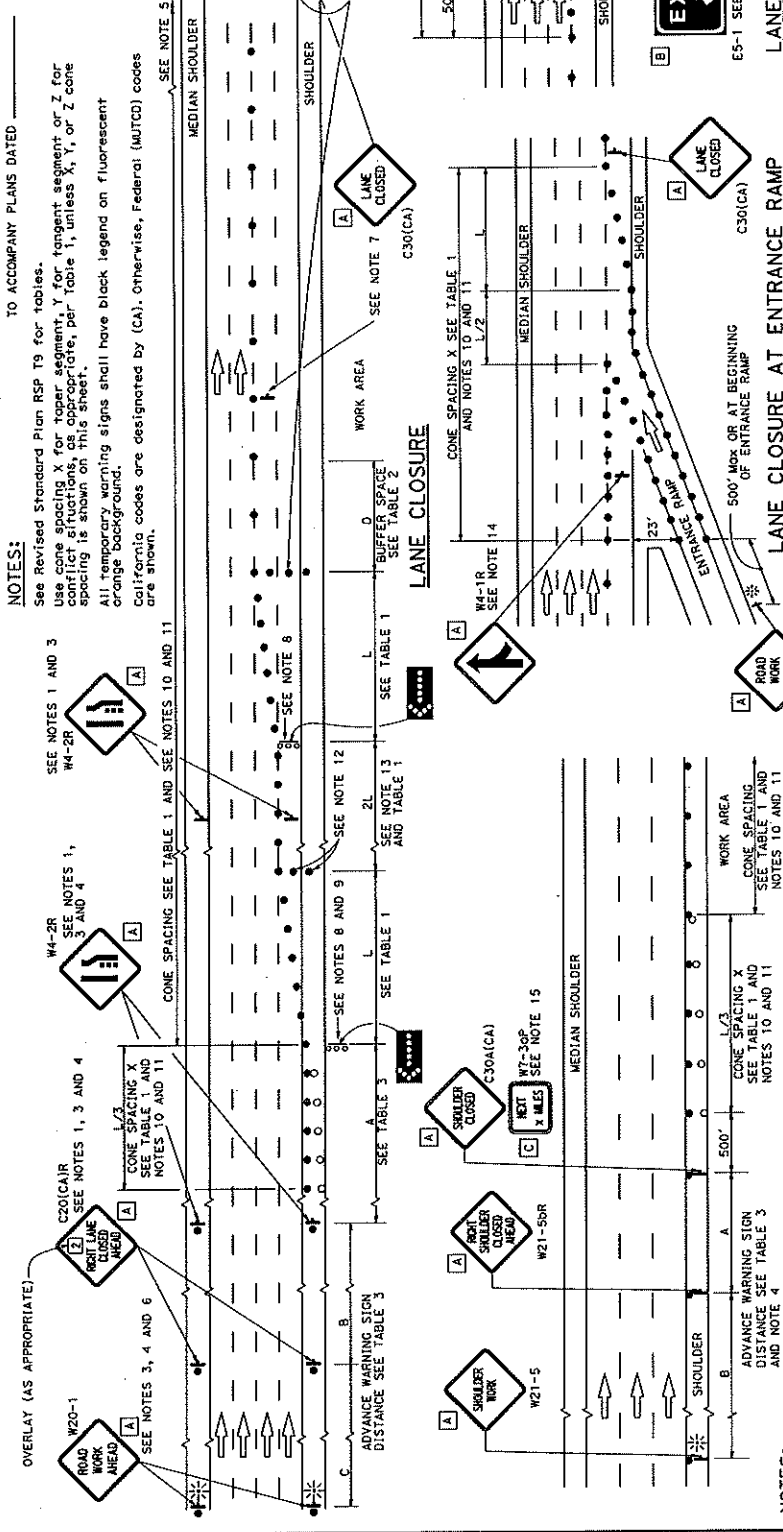
RSP T9 DATED JANUARY 20, 2017 SUPERSEDES STANDARD PLAN T9
 DATED OCTOBER 30, 2015 - PAGE 249 OF THE STANDARD PLANS BOOK DATED 2015.
REVISED STANDARD PLAN RSP T9

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TO ACCOMPANY PLANS DATED _____

See Revised Standard Plan RSP T9 for tables.
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per table 1, unless X, Y, or Z cone spacing is shown on this sheet.
All temporary warning signs shall have black legend on fluorescent orange background.
California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

Professional Engineer
January 20, 2017
Professional Seal
Professional Engineer
No. 52347
State of California
Professional Seal
Professional Engineer
No. 52347
State of California



- NOTES:**
- Median lane closures shall conform to the details as shown except that C20(CA) and W4-2L signs shall be used.
 - At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
 - Duplicate sign installations are not required:
 - on opposite shoulder if at least one-half of the available lanes remain open to traffic.
 - in the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
 - Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each sign shall be 48" x 24" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
 - A C20-2 "END ROAD WORK" sign, with minimum size of 48" x 24", as appropriate, shall be placed at the end of the lane closure unless it is not clearly visible or ends within a larger project's limits.
 - If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 ROAD WORK sign, a W20-1 sign shall be placed at the first advance warning sign.
 - Place a C30(CA) sign every 2000' throughout length of lane closure.
 - Use one flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
 - A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of vertical curve or at an horizontal curve.
 - All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves).
 - Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
 - A minimum of 3 cones shall be placed transversely across each closed lane and a traffic cone shall be placed at the end of the lane closure and every 2000' as shown on the Lane Closure detail, including Type II barricades. The cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
 - The 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
 - The ES-1 or SC18(CA) and W4-1 signs shall be used as shown.
 - W4-2R "NEXT MILES" placard must be used if the shoulder closure extends beyond the distance that can be perceived by road users.
 - For the warning sign requirements at the Exit Ramp, when work is proposed on the local street, see CA MUTCD Figure 6H-22 to 6H-27.
- LEGEND**
- TRAFFIC CONE
 - TRAFFIC CONE (OPTIONAL TAPER)
 - ⬇️ TEMPORARY TRAFFIC CONTROL SIGN
 - ⚡ FLASHING ARROW SIGN (FAS)
 - ☀️ FAS SUPPORT OR TRAILER
 - ⚡ PORTABLE FLASHING BEACON
- SIGN PANEL SIZE (Min)**
- | | |
|---|-----------|
| A | 48" x 48" |
| B | 72" x 60" |
| C | 36" x 30" |
- TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS**
- NO SCALE
RSP T10 DATED JANUARY 20, 2017 SUPERSEDES STANDARD PLAN T10 DATED OCTOBER 30, 2015 - PAGE 250 OF THE STANDARD PLANS BOOK DATED 2015.
- STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

Chart No. 1 Complete Ramp Lane Hours/Ramp Lane Requirement Hours																									
County: SD					Route/Direction: 52/EB										PM: 5.280										
					52/WB										5.724										
Closure Limits: EB Off-ramp to Convoy St																									
WB Off-ramp to Convoy St																									
FROM HOUR TO HOUR																									
	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays											S	S	S	S	S	S									
Fridays											S	S	S	S	S	S									
Saturdays																									
Sundays																									
Legend:																									
<input checked="" type="checkbox"/> Ramp shoulder closure is permitted for placement of signs only.																									
<input type="checkbox"/> Work is allowed within the highway where a shoulder or lane closure is not required.																									
REMARKS:																									

PN- 11-17-NTK-0736 - 10-19-2017EC



**Chart No. 2
Complete Road Closure Hours/Road Lane Requirement Hours**

County: SD	Route/Direction: NB/SB	PM:
Convoy St		
Closure Limits: At Rte 52		
FROM HOUR TO HOUR	24 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	
Mondays through Thursdays		S S S S S S
Fridays		S S S S S S
Saturdays		
Sundays		
<p>Legend:</p> <p><input type="checkbox"/> S Shoulder closure is permitted for placement of signs only.</p> <p><input type="checkbox"/> Work permitted within project right of way where shoulder or lane closure is not required.</p>		
REMARKS:		

PN- 11-17-NTK-0736 – 10-19-2017EC



- 18 BY CONTRACTOR FURNISH AND INSTALL
1 - 16" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER
- 19 BY CITY FORCES AHD OF CONTRACTOR
CUT AND PLUG:
EX 12" AC WTR, 10'± LT, RT
RECONNECT EX 12" AC WTR, AFTER NEW MAIN HAS BEEN ACCEPTED
- 20 BY CONTRACTOR FURNISH AND INSTALL
1 - 16" X 12" CROSS (F)
2 - 12" GATE VALVE (F, MJ), LT, RT
1 - 16" GATE VALVE, AHD

- 1 BY CONTRACTOR FURNISH AND INSTALL
1 - 16" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER
- 2 BY CITY FORCES AHD OF CONTRACTOR
CUT AND PLUG:
EX 12" AC WTR, 10'± LT
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- 3 BY CONTRACTOR FURNISH AND INSTALL
1 - 16" X 6" 90° BEND
1 - 16" X 12" REDUCER LT
1 - 12" GATE VALVE

- 4 BY CITY FORCES AHD OF CONTRACTOR
CUT AND PLUG:
EX 12" AC WTR, 10'± RT
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- 5 BY CONTRACTOR FURNISH AND INSTALL
1 - 16" X 6" 90° BEND
1 - 16" X 12" REDUCER RT
1 - 12" GATE VALVE
- 6 BY CONTRACTOR FURNISH AND INSTALL
1 - 16" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

- 7 BY CONTRACTOR FURNISH AND INSTALL
1 - 16" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER
- 8 BY CITY FORCES AHD OF CONTRACTOR
CUT AND PLUG:
EX 12" AC WTR, 10'± LT, RT
RECONNECT EX 12" AC WTR, AFTER NEW MAIN HAS BEEN ACCEPTED
- 9 BY CONTRACTOR FURNISH AND INSTALL
1 - 16" X 8" CROSS (F)
2 - 12" GATE VALVE (F, MJ), LT, RT
1 - 16" GATE VALVE, BK

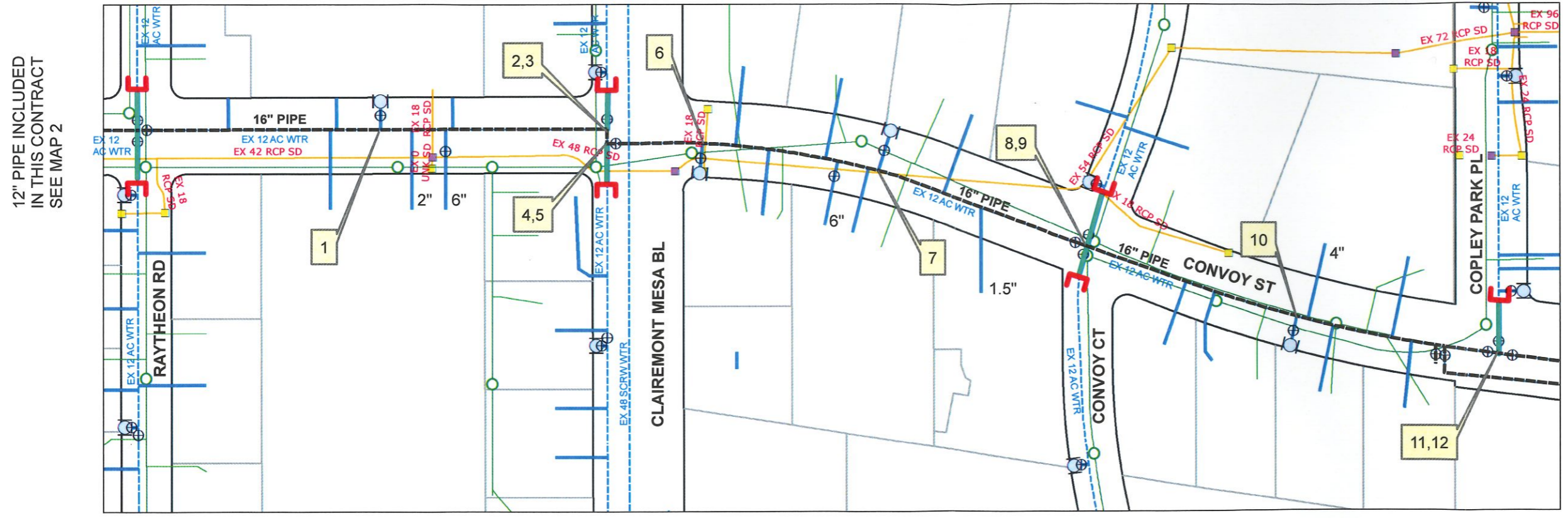
- 10 BY CONTRACTOR FURNISH AND INSTALL
1 - 16" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER
- 11 BY CITY FORCES AHD OF CONTRACTOR
CUT AND PLUG:
EX 12" AC WTR, 10'± LT
RECONNECT EX 12" AC WTR, AFTER NEW MAIN HAS BEEN ACCEPTED
- 12 BY CONTRACTOR FURNISH AND INSTALL
1 - 16" X 12" TEE
1 - 12" GATE VALVE (F, MJ), LT
2 - 16" GATE VALVE (F,MJ),BK, AHD

REFERENCE:
WATER: 11446-13-D, 11446-22-D, 12993-6-D
SEWER: 28406-6-D, 28406-9-D, 28406-12-D
STORM DRAIN: NONE
GAS: NONE
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: XX
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: G115
THOMAS BROS.: 1229 B7
HGL: 600

RETIREMENTS:
12" - AC - 1854' - 1963-1972
4 FH (2-PORT) - 2
1.5" SERVICE - 2 - UNK
2" SERVICE - 1 - UNK
4" SERVICE - 1 - UNK
6" SERVICE - 2 - UNK

APPROVED ENCROACHMENT PERMIT
Permit No.: 11-17-NTR-0736
Date: 12/22/2017

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Legend

--- AC Water & Sewer Group 1042 (W)	--- Ex. Water Pipes	1 Water Note Callout
--- Replace crossing AC water	○ Ex. Fire Hydrants	■ Ex. Storm Drain Pipe
■ Proposed Pipes	⊕ Ex. Gate Valves	■ Ex. SD Inlet
--- Proposed Services	--- Ex. Water Services	■ Ex. SD Cleanout
● Proposed Fire Hydrants	--- Ex. Sewer Mains	■ Ex. SD Outlet
● Proposed Gate Valves	--- Ex. Sewer Laterals	◀ Reducer
● Proposed 2" Blowoff	○ Ex. Manholes	⌋ Cut & Plug

CONTRACTOR'S NOTE:
CONTRACTOR TO POT HOLE PRIOR TO EXCAVATION TO ENSURE THAT THERE IS AT LEAST A 1' MINIMUM VERTICAL SEPARATION BETWEEN WATER AND SEWER

MAPS FOR THE CONSTRUCTION OF AC WATER GROUP 1042 S CONVOY ST
RATHEON RD TO COPLEY PARK PL

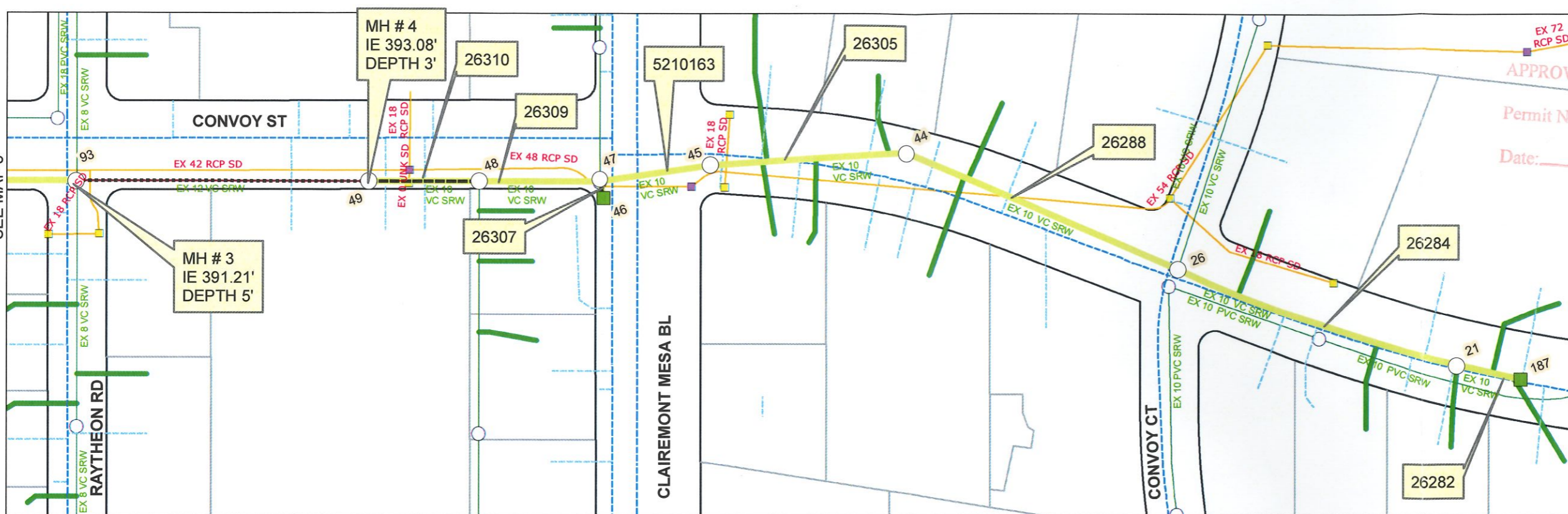


WBS# B-XXXXX	MAP NO. 3 of 6
-----------------	-------------------

REFERENCE:
 WATER: 11446-13-D, 11446-22-D, 12993-6-D
 SEWER: 12817-1-D, 11446-4-D, 12993-6-D
 12993-7-D
 STORM DRAIN: NONE
 GAS: NONE
 ELECTRIC: NONE
 CABLE TV: NONE
 TELEPHONE: BC1993, BMD1993
 IMPROVEMENTS: NONE
 100' SCALE/FIELD BOOK: I23S
 THOMAS BROS.: 1289 G5
 HGL: 390

RETIREMENTS:
 12" - VC - 350' - 1963
 10" - VC - 275' - 1963
 10" - VC - 1143' - 1967

12" PIPE INCLUDED
 IN THIS CONTRACT
 SEE MAP 5



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 Permit No.: 11-17-NTK-0736
 Date: 12/22/2017

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Legend

- 1042_install_main_cleanout
- 1042_mh_rehab
- 1042_sewer_to_be_replaced
- 1042_sewer_to_be_point_repaired_&_rehabilitated
- 1042_sewer_to_be_rehabilitated
- AC Water & Sewer Group 1042 (S)
- Ex. Water Pipes
- Ex. Manholes
- Ex. Sewer Mains
- ▲ Manhole ID
- 12345 FSN (Facility Sequence Number)
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- Ex. Water Services

CONTRACTOR'S NOTE:
 CONTRACTOR TO POT HOLE PRIOR
 TO EXCAVATION TO ENSURE THAT
 THERE IS AT LEAST A 1' MINIMUM VERTICAL
 SEPARATION BETWEEN WATER AND SEWER

MAPS FOR THE CONSTRUCTION OF
 SEWER GROUP 1042
 S CONVOY ST
 RAYTHEON RD TO COPLEY PARK PL



WBS#
 B-XXXXX

MAP NO.
 6 of 6

CONVOY STREET TRAFFIC CONTROL OSTROW ST TO COPLEY PARK PL

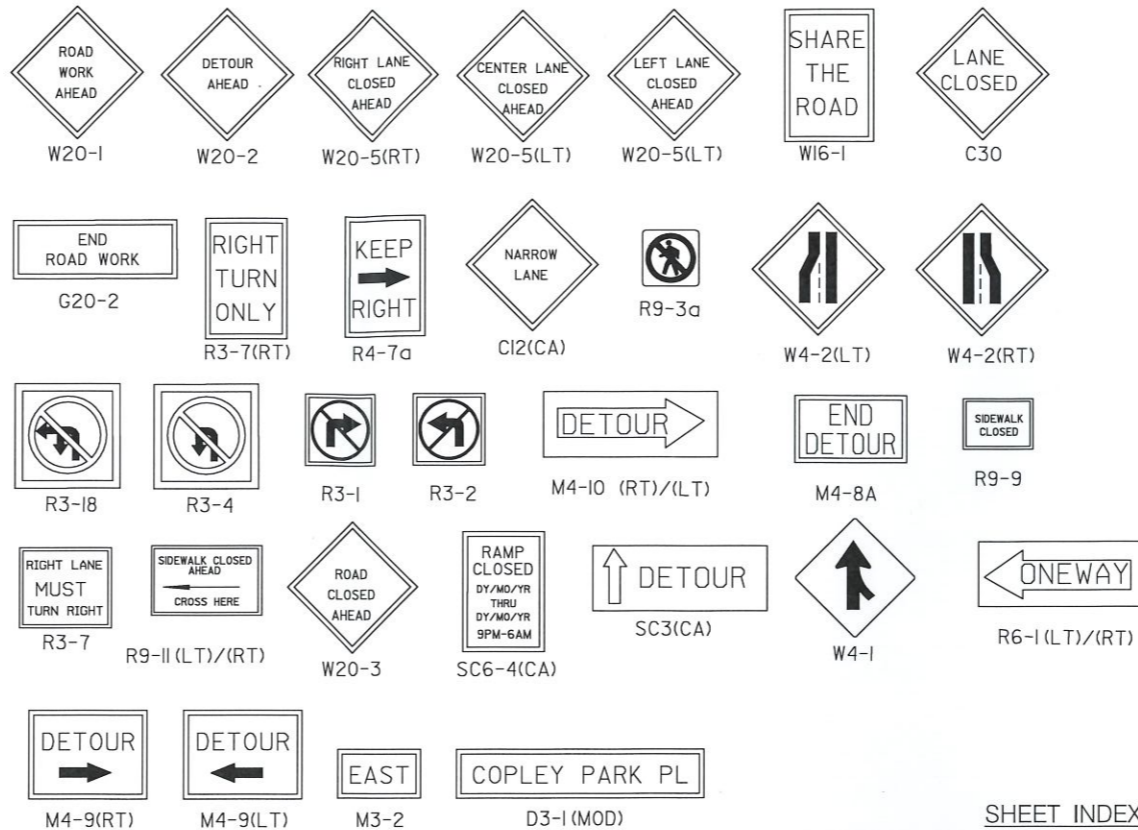
TRAFFIC CONTROL NOTES:

- VALIDATION. THIS TRAFFIC CONTROL PLAN IS NOT VALID UNTIL WORK DATES ARE APPROVED. THE CONTRACTOR SHALL, PER SECTION 601-2.11 OF THE "WHITEBOOK", CALL THE ENGINEERING TRAFFIC CONTROL SECTION AT (858) 495-4742 TO OBTAIN A PERMIT. THE CONTRACTOR MUST CALL A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, OR FIVE (5) WORKING DAYS WHEN THE WORK WILL AFFECT A TRAFFIC SIGNAL.
- ALL WORK WITHIN STATE RIGHT-OF-WAY MUST CONFORM WITH THE LATEST EDITIONS OF THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), CALTRANS STANDARD PLANS, AND CALTRANS STANDARD SPECIFICATIONS, AND/OR AS DIRECTED BY THE PERMIT ENGINEER.
- STANDARDS. THIS TRAFFIC CONTROL PLAN SHALL CONFORM TO THE MOST RECENTLY ADOPTED EDITION OF EACH OF THE FOLLOWING MANUALS:
 - CALTRANS MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES;
 - STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK") AND CITY OF SAN DIEGO SUPPLEMENT AMENDMENTS;
 - STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("WHITEBOOK") AND CITY OF SAN DIEGO SUPPLEMENT AMENDMENTS.
 - CA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES REVISION 2, 2014.
- NOTIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AFFECTED AGENCIES A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION, CONSTRUCTION OR TRAFFIC CONTROL:

FIRE DEPARTMENT DISPATCH	(STREET OR ALLEY CLOSURE)	(858) 573-1300
POLICE DEPARTMENT TRAFFIC	(STREET OR ALLEY CLOSURE)	(858) 495-7800
UNDERGROUND SERVICE ALERT	(ANY EXCAVATION)	(800) 422-4133
WASTE MANAGEMENT DEPT.	(REFUSE COLLECTION)	(858) 694-7000
STREET DIVISION/ELECTRICAL	(TRAFFIC SIGNALS)	(619) 527-7500
SAN DIEGO TRANSIT	(BUS STOPS)	(619) 238-0100 x424
MTDB	(TAXI ZONES)	(619) 595-7030

THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND TENANTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF DRIVEWAYS. THE CONTRACTOR SHALL POST SIGNS NOTIFYING THE PUBLIC A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF STREETS.
- POSTING NO PARKING SIGNS. THE CONTRACTOR SHALL POST "TOW-AWAY/NO PARKING" SIGNS TWENTY-FOUR (24) HOURS IN ADVANCE FOR TEMPORARY PARKING REMOVAL. SIGNS SHALL INDICATE SPECIFIC DAYS, DATES, AND TIMES OF RESTRICTIONS.
- EXCAVATIONS. EXCEPT AS SHOWN ON THE PLANS, TRENCHES SHALL BE BACKFILLED OR TRENCH-PLATED AT THE END OF EACH WORK DAY. AN ASPHALT RAMP SHALL BE PLACED AROUND EACH TRENCH PLATE TO PREVENT THE PLATE FROM BEING DISLODGED. UPON COMPLETION OF EXCAVATION BACKFILL, THE CONTRACTOR SHALL PROVIDE A SATISFACTORY SURFACE FOR TRAFFIC. WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS, THE CONTRACTOR SHALL MAINTAIN ALL TRAVEL LANES OPEN TO TRAFFIC, EXCEPT AS SHOWN ON THE PLANS.
- RESTORATION OF TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL REPAIR OR REPLACE TRAFFIC CONTROL DEVICES (INCLUDING TRAFFIC SIGNS, STRIPING, PAVEMENT MARKERS, PAVEMENT MARKINGS, LEGENDS, CURB MARKINGS, LOOP DETECTORS, TRAFFIC SIGNAL EQUIPMENT, ETC.) DAMAGED OR REMOVED AS A RESULT OF OPERATIONS AND NOT DESIGNATED FOR REMOVAL. REPAIRS AND REPLACEMENTS SHALL BE EQUAL TO EXISTING IMPROVEMENTS. LOOP DETECTORS SHALL BE REPLACED WITHIN THREE (3) WORKING DAYS OF COMPLETION OF UNDERGROUND WORK.
- CHANGES IN WORK. THE RESIDENT ENGINEER WILL OBSERVE THESE TRAFFIC CONTROL PLANS IN OPERATION AND RESERVES THE RIGHT TO MAKE CHANGES AS THE FIELD CONDITIONS WARRANT. SUCH CHANGES SHALL SUPERSEDE THESE PLANS.
- FOR WORK NOT COVERED BY THESE TRAFFIC CONTROL PLANS, THE CONTRACTOR SHALL, PER SECTION 7-10.2.2 OF THE CONTRACT SPECIAL PROVISIONS, PREPARE TRAFFIC CONTROL WORKING DRAWINGS AND SUBMIT THEM TO THE RESIDENT ENGINEER. THE CONTRACTOR SHALL ALLOW A MINIMUM OF TWENTY (20) WORKING DAYS FOR REVIEW OF THE WORKING DRAWINGS. UPON APPROVAL OF THE TRAFFIC CONTROL PLAN, THE ENGINEERING TRAFFIC CONTROL SECTION WILL ISSUE A TRAFFIC CONTROL PLAN (TCP) PERMIT FOR THIS WORK.

TRAFFIC CONTROL SIGN LEGEND

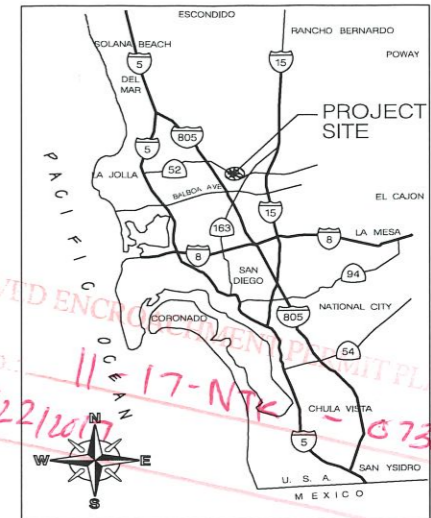


NOTE: ALL SIGNS ARE STANDARD SIZE

SHEET INDEX

SHEET NO.	DISCIPLINE CODE	TITLE
1	G-1	COVER SHEET
2	T-1	WATER GROUP KEYMAP
3-4	T-2 TO T-3	SEWER GROUP KEYMAP
5	T-4	SETUP A TYPICAL
6	T-5	SETUP B TYPICAL
7	T-6	SETUP C TYPICAL
8	T-7	SETUP D TYPICAL
9	T-8	SETUP E TYPICAL
10	T-9	SETUP F TYPICAL
11	T-10	SETUP G TYPICAL
12	T-11	SETUP H TYPICAL
13	T-12	SETUP J TYPICAL
14	T-13	COPLEY PARK PL - PHASE 1
15-16	T-14 TO T-15	COPLEY PARK PL - PHASE 2
17-18	T-16 TO T-17	COPLEY PARK PL - PHASE 3
19-20	T-18 TO T-19	BALBOA AVE - PHASE 1

STREET NAME	EXTENTS	STREET CLASSIFICATION	ADT	STREET WIDTH	POSTED SPEED (MPH)	85TH PERCENTILE	DESIGN SPEED (MPH)
CONVOY ST	AERO DR - BALBOA AVE	FOUR LANE MAJOR ARTERIAL	26,552	86'	40 MPH	37 MPH	40 MPH
CONVOY ST	BALBOA AVE - CLAIREMONT MESA BLVD	FOUR LANE MAJOR ARTERIAL	22,326	86'	40 MPH	37 MPH	40 MPH
CONVOY ST	CLAIREMONT MESA BLVD - SD 52	FOUR LANE MAJOR ARTERIAL	24,749	86'	35 MPH	33 MPH	35 MPH
BALBOA AVE	SD 805 - CONVOY ST	SIX LANE MAJOR ARTERIAL	30,067	100'	35 MPH	41 MPH	40 MPH
BALBOA AVE	CONVOY ST - KEARNEY VILLA RD	SIX LANE MAJOR ARTERIAL	32,975	90'	45 MPH	42 MPH	45 MPH
CLAIREMONT MESA BLVD	SD 805 - SD 163	SEVEN LANE MAJOR ARTERIAL	29,336	100'	35 MPH	43 MPH	40 MPH



VICINITY MAP
NOT TO SCALE

LEGEND

- WORK ZONE
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD (ONE DIRECTION)
- FLASHING ARROW BOARD (TWO DIRECTIONS)
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW
- PROPOSED LANE WIDTH
- EXISTING LANE WIDTH

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CONSTRUCTION NOTES

- CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION, NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION
- CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION
- SPACE DELINEATORS 12' ON CENTER
- SPACE DELINEATORS 25' ON CENTER
- SPACE DELINEATORS 50' ON CENTER

G-1

PLANS FOR THE CONSTRUCTION OF AC WATER AND SEWER GROUP 1042 COVER SHEET

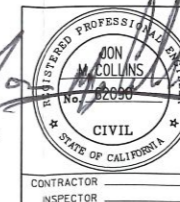
CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 1 OF 26 SHEETS

WBS B-17176/
B-17177

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	XX/XX			

Kimley»Horn

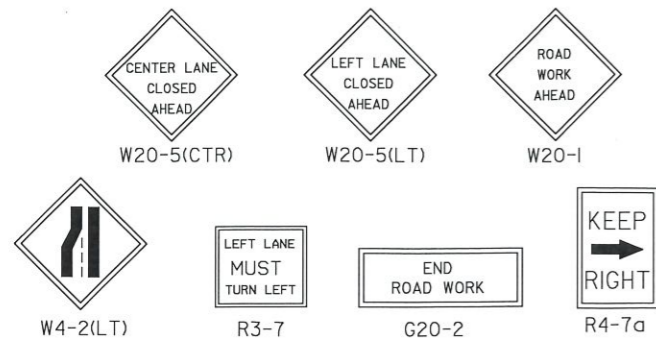
401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



CONTRACTOR INSPECTOR

DATE STARTED
DATE COMPLETED

SIGN LEGEND



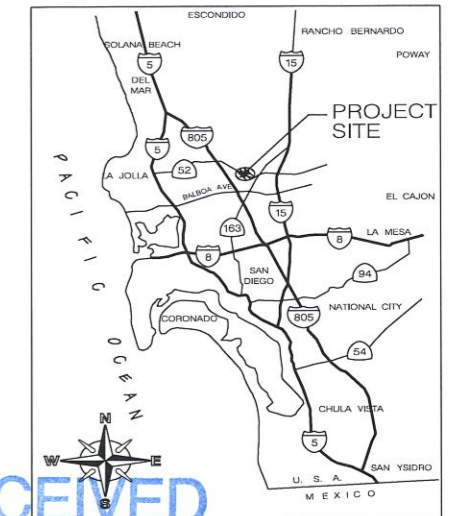
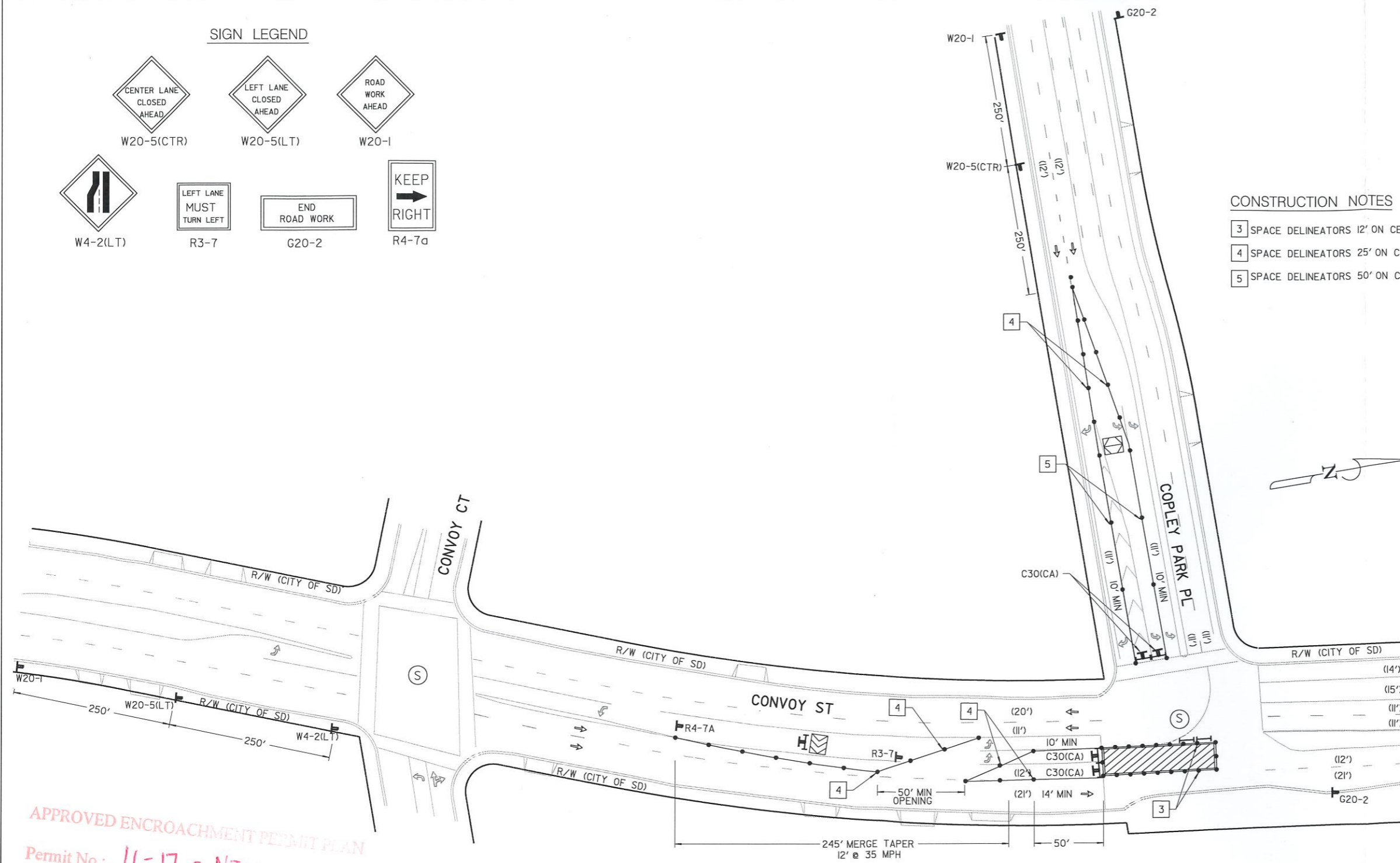
PERMIT NUMBER 11-XX-XXX-XXXX
 CO SD RTE 52 PM 5.5
 AS-BUILT PLANS FOR ROADWAY GEOMETRIC ABOVE GROUND FEATURES
 STATE REPRESENTATIVE DATE
 PLAN SET 1 PAGE X OF X

CONSTRUCTION NOTES

- 3 SPACE DELINEATORS 12' ON CENTER
- 4 SPACE DELINEATORS 25' ON CENTER
- 5 SPACE DELINEATORS 50' ON CENTER

LEGEND

- WORK ZONE
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD
- FLASHING ARROW BOARD (BI-DIRECTION)
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW



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VICINITY MAP
NOT TO SCALE



SCALE 1"=40'

T-13

APPROVED ENCROACHMENT PERMIT PLAN

Permit No.: 11-17 - NTR-0736

Date: 12/22/2017

PLANS FOR THE CONSTRUCTION OF
 AC WATER AND SEWER GROUP 1042
 TRAFFIC CONTROL PLANS
 COPLEY PARK PL - PHASE 1

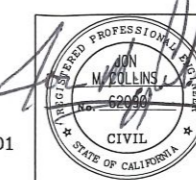
CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 14 OF 26 SHEETS

WBS B-17176/
B-17177

FOR CITY ENGINEER	DATE	PROJECT MANAGER
PRINT NAME	DATE	CHECKED BY
DESCRIPTION	BY	APPROVED
ORIGINAL	XX/XX	DATE
		FILMED
		PROJECT ENGINEER
		CCS27 COORDINATE
		CCS83 COORDINATE
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
 TEL (619) 234-9411



PERMIT NUMBER 11-XX-XXX-XXXX
 CO SD RTE 52 PM 5.5

AS-BUILT PLANS FOR ROADWAY
 GEOMETRIC ABOVE GROUND
 FEATURES

STATE REPRESENTATIVE DATE
 PLAN SET 1 PAGE X OF X

LEGEND

- WORK ZONE
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW

SIGN LEGEND

- LEFT LANE CLOSED AHEAD (W20-5(LT))
- ROAD WORK AHEAD (W20-1)
- RIGHT LANE CLOSED AHEAD (W4-2(RT))
- DETOUR AHEAD (W20-2)
- RIGHT LANE MUST TURN RIGHT (R3-7)
- END ROAD WORK (G20-2)
- DETOUR (M4-9(RT))
- DETOUR (M4-9(LT))
- EAST (M3-2)

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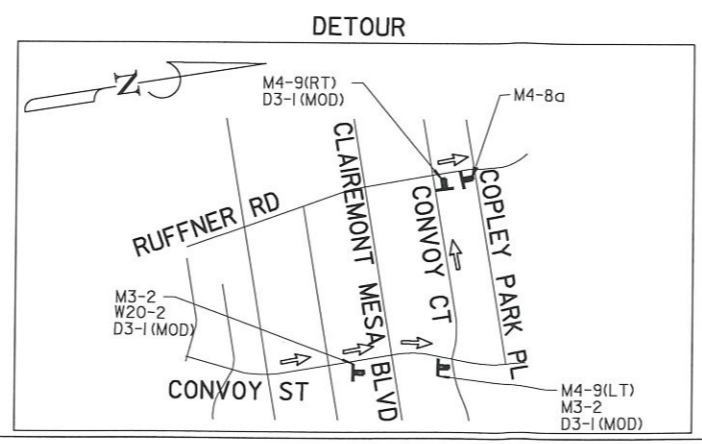
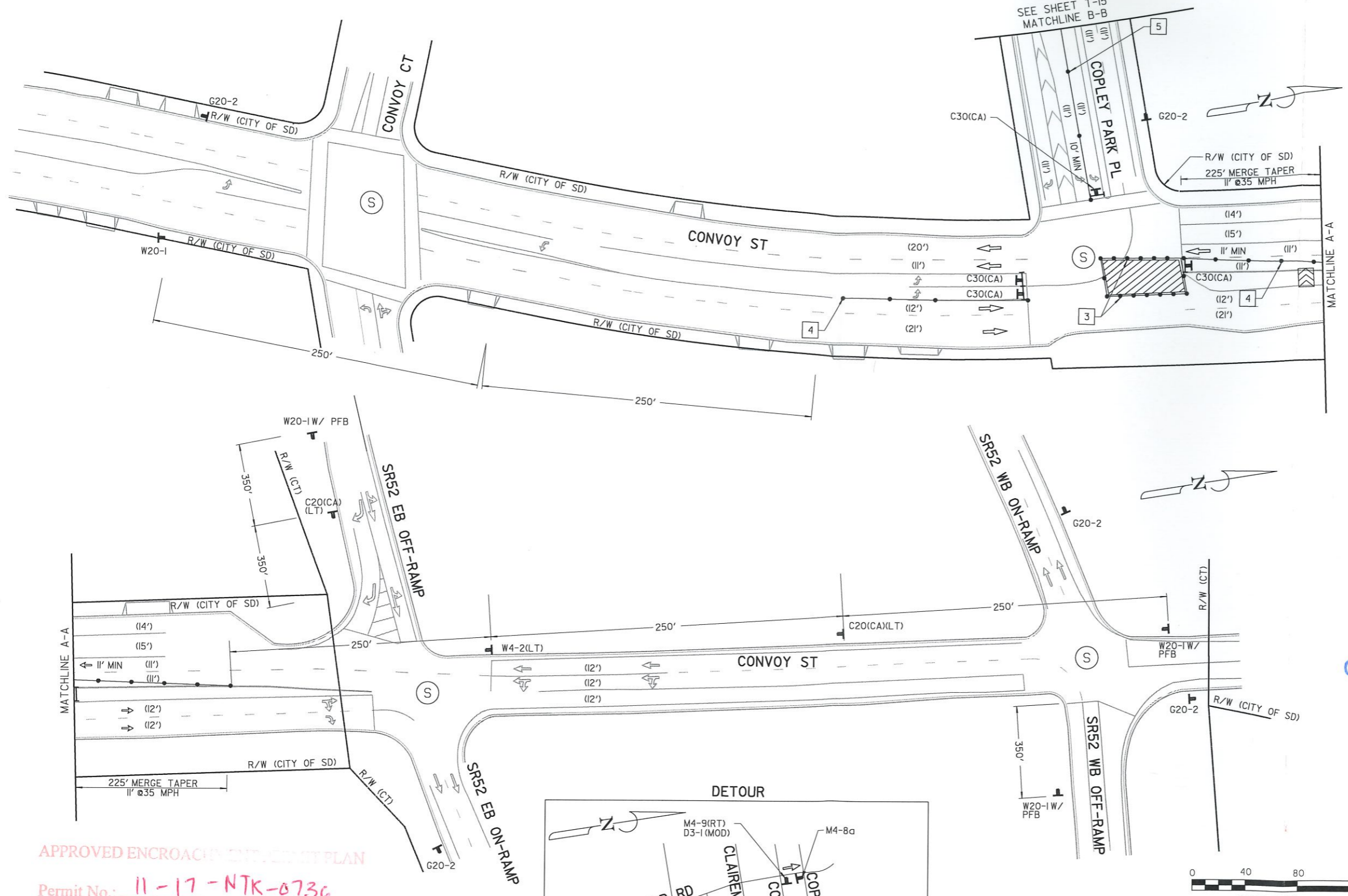
CONSTRUCTION NOTES

- 2 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION
- 3 SPACE DELINEATORS 12' ON CENTER
- 4 SPACE DELINEATORS 25' ON CENTER
- 5 SPACE DELINEATORS 50' ON CENTER

PLANS FOR THE CONSTRUCTION OF
 AC WATER AND SEWER GROUP 1042
 TRAFFIC CONTROL PLANS
 COPLEY PARK PL - PHASE 2

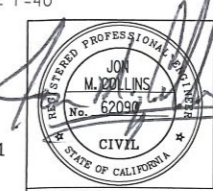
CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 15 OF 26 SHEETS

FOR CITY ENGINEER	DATE	PROJECT MANAGER
PRINT NAME	RCE#	CHECKED BY
DESCRIPTION	BY	APPROVED
DATE	FILED	PROJECT ENGINEER
ORIGINAL	XX/XX	CCS27 COORDINATE
		CCS83 COORDINATE

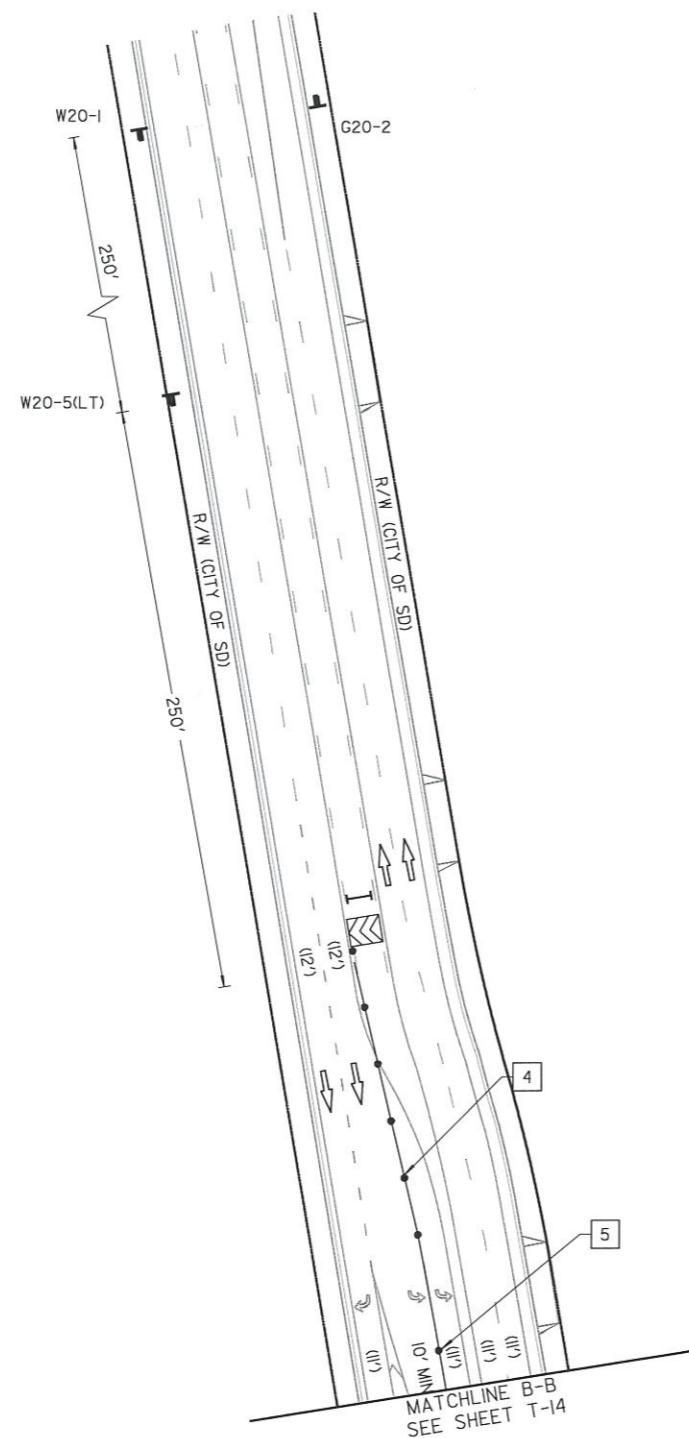


APPROVED ENCROACHMENT PLAN
 Permit No.: 11-17-NTK-0736
 Date: 12/22/2011

Kimley»Horn
 401 B STREET, SUITE 600 SAN DIEGO, CA 92101
 TEL (619) 234-9411



SIGN LEGEND



CONSTRUCTION NOTES

- 4 SPACE DELINEATORS 25' ON CENTER
- 5 SPACE DELINEATORS 50' ON CENTER

PERMIT NUMBER 11-XX-XXX-XXXX
 CO SD RTE 52 PM 5.5
 AS-BUILT PLANS FOR ROADWAY
 GEOMETRIC ABOVE GROUND
 FEATURES

STATE REPRESENTATIVE _____ DATE _____
 PLAN SET 1 PAGE X OF X

LEGEND

- WORK ZONE
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW
- XX' PROPOSED LANE WIDTH
- (XX') EXISTING LANE WIDTH

APPROVED ENCROACHMENT PERMIT PLAN
 Permit No.: 11-17-NTK-0736
 Date: 12/22/2017

RECEIVED
 OCT 30 2017
 CALTRANS-PERMIT



T-15

PLANS FOR THE CONSTRUCTION OF
 AC WATER AND SEWER GROUP 1042
 TRAFFIC CONTROL PLANS
 COPLEY PARK PL - PHASE 2

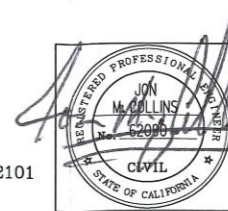
CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 16 OF 26 SHEETS

WBS B-17176/
 B-17177

FOR CITY ENGINEER		DATE		SUBMITTED BY	
PRINT NAME	RC#	PROJECT MANAGER		CHECKED BY	
DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT ENGINEER
ORIGINAL	XX/XX				CCS27 COORDINATE
CONTRACTOR		DATE STARTED		CCS83 COORDINATE	
INSPECTOR		DATE COMPLETED			

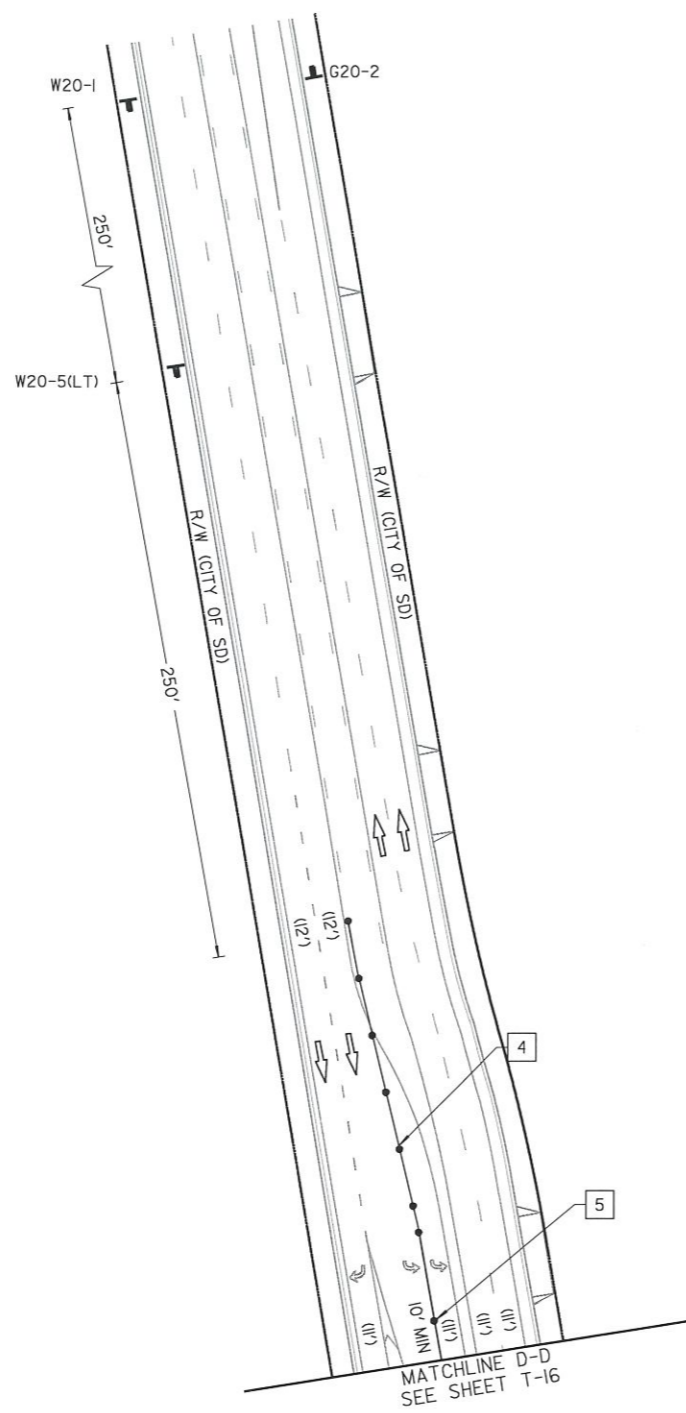
Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
 TEL (619) 234-9411



PERMIT NUMBER 11-XX-XXX-XXXX
 CO SD RTE 52 PM 5.5
 AS-BUILT PLANS FOR ROADWAY
 GEOMETRIC ABOVE GROUND
 FEATURES

STATE REPRESENTATIVE _____ DATE _____
 PLAN SET 1 PAGE X OF X



- LEGEND**
- WORK ZONE
 - DELINEATOR OR CONE
 - SIGN
 - TYPE III BARRICADE WITH SIGN
 - FLASHING ARROW BOARD
 - TRAFFIC SIGNAL
 - TRAFFIC DIRECTIONAL ARROW



- CONSTRUCTION NOTES**
- 4 SPACE DELINEATORS 25' ON CENTER
 - 5 SPACE DELINEATORS 50' ON CENTER

RECEIVED

OCT 30 2017

CALTRANS-PERMIT

0 40 80
SCALE 1"=40'

APPROVED ENCROACHMENT PERMIT PLAN

Permit No.: 11-17-NTK-0736

Date: 12/22/2017

Kimley»Horn
 401 B STREET, SUITE 600 SAN DIEGO, CA 92101
 TEL (619) 234-9411

PLANS FOR THE CONSTRUCTION OF AC WATER AND SEWER GROUP 1042 TRAFFIC CONTROL PLANS COPLEY PARK PL - PHASE 3		WBS B-17176/ B-17177
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 18 OF 26 SHEETS		SUBMITTED BY: _____ PROJECT MANAGER
CONTRACTOR INSPECTOR	DATE STARTED _____ DATE COMPLETED _____	CHECKED BY: _____ PROJECT ENGINEER CCS27 COORDINATE _____ CCS83 COORDINATE _____

ENCROACHMENT PERMIT

TR-0120 (REV. 6/2012)

Permit No. 11-17-NTK-0736	
Dist/Co/Rte/PM 11-SD-52/5.50	
Date DECEMBER 22, 2017	
Fee Paid \$ EXEMPT	Deposit \$ EXEMPT
Performance Bond Amount (1) \$ N/A	Payment Bond Amount (2) \$ N/A
Bond Company N/A	
Bond Number (1) N/A	Bond Number (2) N/A

In compliance with (Check one):

- Your application of OCTOBER 09, 2017
- Utility Notice No. _____ of _____
- Agreement No. _____ of _____
- R/W Contract No. _____ of _____

TO: CITY OF SAN DIEGO
525 B STREET, SUITE 750
SAN DIEGO, CA 92101

ATTN: CASEY CROWN
PHONE: (619) 533-5485

, PERMITTEE

And subject to the following, PERMISSION IS HEREBY GRANTED to:

enter upon State Highway right of way in San Diego County, City of San Diego, on Route 52, post mile 5.50 to place traffic control within the State's right of way for water/sewer line replacement outside of the State's right of way, as shown on the attached plans, in accordance with the requirements and conditions contained herein and as further directed or approved by the State's Inspector, Ralph Yanzon, cell number (858) 688-1458, or by e-mail at ralph.yanzon@dot.ca.gov.

The State's Inspector shall be notified seven days prior to starting work.

Working hours shall be as directed or approved by the State's Inspector and in accordance with the attached traffic lane requirement chart nos. 1 and 2.

No vehicles or equipment shall be parked within the highway right of way at any time, except for those vehicles or that equipment actually engaged in the work, during the working hours specified herein.

(CONTINUED)

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER

<p>The following attachments are also included as part of this permit (Check applicable):</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No General Provisions <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Utility Maintenance Provisions <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Special Provisions <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No A Cal-OSHA permit, if required: Permit No. _____ <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No As-Built Plans Submittal Route Slip for Locally Advertised Projects <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Water Pollution Control Plan 	<p>In addition to fee, the permittee will be billed actual costs for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Review <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Inspection <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Field Work <p>(If any Caltrans effort expended)</p>
<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No The information in the environmental documentation has been reviewed and is considered prior to approval of this permit.</p>	

This permit is void unless the work is complete before **JUNE 30, 2018.**

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.
No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

<p>CN:cn cc: Permits Contractor OPerryman, Reg. Mgr. RYanzon, Inspector Permittee</p>	<p>APPROVED: Cory Binns, Acting District Director</p> <p>BY: <i>William O. Vivar</i> Williams O. Vivar, Acting District Permit Engineer</p>
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CITY OF SAN DIEGO
11-17-NTK-0736
DECEMBER 22, 2017
PAGE TWO

The following District Standard Special Provisions are generalizations of the Department Standard Specifications and are included only as a Permittee convenience. Permittee's attention is directed to the current Department Standard Specifications for complete, unabridged, specification requirements.

Once begun, that portion of the work within the State Highway right of way shall be prosecuted to completion as rapidly as possible.

All personnel on foot within the State Highway right of way shall wear personal protective equipment, including safety glasses, hard hats and American National Standards Institute (ANSI) compliant Class II vests. In addition, all personnel working at night, on foot within the State Highway right of way shall wear ANSI Class III warning garments.

Permittee is responsible for the actual cost of inspection, which may be more or less than the deposit. A bill or refund shall be sent upon satisfactory completion of the work. Payment of any bill is a condition of the permit.

Permittee's Contractor is responsible for the actual cost of inspection, which may be more or less than the deposit. A bill or refund shall be sent upon satisfactory completion of the work. Payment of any bill is a condition of the permit.

Notwithstanding General Provision No. 4, your contractor is required to apply for and obtain an encroachment permit prior to starting work. A fee/deposit of \$820.00 is required at the time of application.

The State of California, Department of Transportation, makes no assurance or expressed warranty that the plans are complete or that the planned construction fits field conditions. Should additional work or modifications of the work be required in order to meet established Department Standards or in order to fit field conditions, the work shall be performed by Permittee as directed by the State's Inspector at no cost to the State.

All work shall be coordinated with the State highway contractor's operations and under no circumstances shall the work granted herein interfere. All standards of construction shall be identical to similar work performed under adjacent highway contract.

Traffic control when permitted or directed by the State's Inspector, shall consist of closing traffic lanes and shoulders in accordance with attached Caltrans 2015 Revised Standard Plan RSP T9, RSP T10 (Shoulder Closure), and the attached TRAFFIC CONTROL PLANS, Part 6 "Temporary Traffic Control" of the California Manual on Uniform Traffic Control Devices (California MUTCD) 2014 Edition, Section 12 "Temporary Traffic Control" of Caltrans 2015 Standard Specifications, and these Special Provisions.

CITY OF SAN DIEGO
11-17-NTK-0736
DECEMBER 22, 2017
PAGE THREE

If any component in the traffic control system is displaced, or ceases to operate or function as specified, from any cause, during the progress of the work, the Permittee shall immediately repair said component to its original condition or replace said component and shall restore the component to its original location.

The Permittee is responsible for locating and protecting all utilities both underground and aerial. Any costs incurred for locating and protecting and/or relocating any utilities shall be borne by the Permittee.

The provisions in this section will not relieve the Permittee from his responsibility to provide such additional devices or take such measures as may be necessary to comply with the provisions in Section 7-1.04, of the Standard Specifications.

Upon completion of the work, the attached card shall be completed and returned.

STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT GENERAL PROVISIONS
TR-0045 (REV. 09/2017)

1. **AUTHORITY:** The California Department of Transportation (“Department”) has authority to issue encroachment permits under Division 1, Chapter 3, Article 1, Sections 660 through 734 of the Streets and Highways Code.
2. **REVOCATION:** Encroachment permits are revocable on five (5) business days’ notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. Notwithstanding the foregoing, in an emergency situation as determined by the Department, an encroachment permit may be revoked immediately. These General Provisions and any applicable Special Provisions are subject to modification or abrogation at any time. Permittees’ joint use agreements, franchise rights, reserved rights or any other agreements for operating purposes in State of California (“State”) highway right-of-way are exceptions to this revocation.
3. **DENIAL FOR NONPAYMENT OF FEES:** Failure to pay encroachment permit fees when due may result in rejection of future applications and denial of encroachment permits.
4. **ASSIGNMENT:** No party other than the permittee or permittee’s authorized agent is allowed to work under this encroachment permit.
5. **ACCEPTANCE OF PROVISIONS:** Permittee understands and agrees to accept and comply with these General Provisions, the Special Provisions, any and all terms contained in this encroachment permit, and all attachments to this encroachment permit, for any work to be performed under this encroachment permit.
6. **BEGINNING OF WORK:** When traffic is not impacted (see General Provision # 35), the permittee must notify the Department’s representative two (2) business days before starting permitted work. Permittee must notify the Department’s representative if the work is to be interrupted for a period of five (5) business days or more, unless otherwise agreed upon. All work must be performed on weekdays during regular work hours, excluding holidays, unless otherwise specified in this encroachment permit.
7. **STANDARDS OF CONSTRUCTION:** All work performed within State highway right-of-way must conform to all applicable Departmental construction standards including but not limited to: Standard Specifications, Standard Plans, Project Development Procedures Manual, Highway Design Manual and Special Provisions.

Other than as expressly provided by these General Provisions, the Special Provisions, the Standard Specifications, Standard Plans, and other applicable

Departmental standards, nothing in these General Provisions is intended to give any third party any legal or equitable right, remedy, or claim with respect to these General Provisions or any provision herein. These General Provisions are for the sole and exclusive benefit of the permittee and the Department.

Where reference is made in such standards to “Contractor” and “Engineer,” these are amended to be read as “Permittee” and “Department’s representative,” respectively, for purposes of this encroachment permit.

8. **PLAN CHANGES:** Deviations from plans, specifications, and/or encroachment permit provisions are not allowed without prior approval from the Department’s representative.
9. **INSPECTION AND APPROVAL:** All work is subject to monitoring and inspection. Upon completion of work, permittee must request a final inspection for acceptance and approval by the Department. The local public agency permittee must not give final construction approval to its contractor until final acceptance and approval by the Department is obtained.
10. **PERMIT AT WORKSITE:** Permittee must keep the permit package or a copy thereof at the work site at all times, and must show it upon request to any Department representative or law enforcement officer. If the permit package, or a copy thereof, is not kept and made available at the work site at all times, the work must be suspended.
11. **CONFLICTING ENCROACHMENTS:** Permittee must yield start of work to ongoing, prior authorized work adjacent to or within the limits of the permittee’s project site. When existing encroachments conflict with permittee’s work, the permittee must bear all cost for rearrangements (e.g., relocation, alteration, removal, etc.).
12. **PERMITS FROM OTHER AGENCIES:** This encroachment permit is invalidated if the permittee has not obtained all permits necessary and required by law, including but not limited to permits from the California Public Utilities Commission (CPUC), California Occupational Safety and Health Administration (Cal-OSHA), or any other public agency having jurisdiction. Permittee warrants all such permits have been obtained before beginning work under this encroachment permit.
13. **PEDESTRIAN AND BICYCLIST SAFETY:** A safe minimum continuous passageway of four (4) feet must be maintained through the work area at existing pedestrian or bicycle facilities. At no time must pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where safe alternate passageways cannot be provided, appropriate signs and barricades must be installed

at the limits of construction and in advance of the limits of construction at the nearest crosswalk or intersection to detour pedestrians to facilities across the street. Attention is directed to Section 7-1.04, *Public Safety*, of the Department's Standard Specifications.

14. **PUBLIC TRAFFIC CONTROL:** As required by law, the permittee must provide traffic control protection, warning signs, lights, safety devices, etc., and take all other measures necessary for the traveling public's safety. While providing traffic control, the needs of all road users, including but not limited to motorists, bicyclists and pedestrians, including persons with disabilities in accordance with the Americans with Disabilities Act, must be an essential part of the work activity.

Lane and/or shoulder closures must comply with the Department's Standard Specifications and Standard Plans for traffic control systems, and with the applicable Special Provisions. Where issues are not addressed in the Standard Specifications, Standard Plans, and/or Special Provisions, the California Manual on Uniform Traffic Control Devices (Part 6, *Temporary Traffic Control*) must be followed.

15. **MINIMUM INTERFERENCE WITH TRAFFIC:** Permittee must plan and conduct work so as to create the least possible inconvenience to the traveling public, such that traffic is not unreasonably delayed. On conventional highways, permittee must place properly attired flagger(s) to stop or warn the traveling public in compliance with the California Manual on Uniform Traffic Control Devices (Chapter 6E, *Flagger Control*).

16. **STORAGE OF EQUIPMENT AND MATERIALS:** The storage of equipment or materials is not allowed within State highway right-of-way, unless specified within the Special Provisions of this encroachment permit. If encroachment permit Special Provisions allow for the storage of equipment or materials within the State highway right-of-way, the equipment and material storage must also comply with Section 7-1.04, *Public Safety*, of the Department's Standard Specifications.

17. **CARE OF DRAINAGE:** Permittee must provide alternate drainage for any work interfering with an existing drainage facility in compliance with the Department's Standard Specifications, Standard Plans, and/or as directed by the Department's representative.

18. **RESTORATION AND REPAIRS IN STATE HIGHWAY RIGHT-OF-WAY:** Permittee is responsible for restoration and repair of State highway right-of-way resulting from permitted work (Streets and Highways Code, section 670 et seq.).

19. **STATE HIGHWAY RIGHT-OF-WAY CLEAN UP:** Upon completion of work, permittee must remove and dispose of all scraps, refuse, brush, timber, materials, etc.

off the State highway right-of-way. The aesthetics of the highway must be as it was before work started or better.

20. **COST OF WORK:** Unless stated otherwise in the encroachment permit or a separate written agreement with the Department, the permittee must bear all costs incurred for work within the State highway right-of-way and waives all claims for indemnification or contribution from the State, the Department, and from the Directors, officers, and employees of the State and/or the Department.

21. **ACTUAL COST BILLING:** When specified in the permit, the Department will bill the permittee actual costs at the currently set Standard Hourly Rate for encroachment permits.

22. **AS-BUILT PLANS:** When required, permittee must submit one (1) set of folded as-built plans within thirty (30) calendar days after completion and acceptance of work in compliance with requirements listed as follows:

- a) Upon completion of the work provided herein, the permittee must submit a paper set of As-Built plans to the Department's representative.
- b) All changes in the work will be shown on the plans, as issued with the permit, including changes approved by Encroachment Permit Rider.
- c) The plans are to be prominently stamped or otherwise noted "AS-BUILT" by the permittee's representative who was responsible for overseeing the work. Any original plan that was approved with a Department stamp, or by signature of the Department's representative, must be used for producing the As-Built plans.
- d) If construction plans include signing or striping, the dates of signing or striping removal, relocation, or installation must be shown on the As-Built plans when required as a condition of the encroachment permit. When the construction plans show signing and striping for staged construction on separate sheets, the sheet for each stage must show the removal, relocation, and installation dates of the appropriate staged striping and signing.
- e) As-Built plans must contain the Encroachment Permit Number, County, Route, and Post Mile on each sheet.
- f) The As-Built Plans must not include a disclaimer statement of any kind that differs from the obligations and protections provided by sections 6735 through 6735.6 of the California Business and Professions Code. Such statements constitute non-compliance with Encroachment Permit requirements, and may result in the Department retaining Performance Bonds or deposits until proper plans are submitted. Failure to comply may also result in denial of future encroachment permits or a provision requiring a public agency to supply additional bonding.

23. **PERMITS FOR RECORD PURPOSES ONLY:** When work in the State highway right-of-way is within an area under a Joint Use Agreement (JUA) or a Consent to Common Use Agreement (CCUA), a fee exempt encroachment permit is issued to the permittee for the purpose of providing a notice and record of work. The permittee's prior rights must be preserved without the intention of creating new or different rights or obligations. "Notice and Record Purposes Only" must be stamped across the face of the encroachment permit.

24. **BONDING:** The permittee must file bond(s), in advance, in the amount(s) set by the Department and using forms acceptable to the Department. The bonds must name the Department as obligee. Failure to maintain bond(s) in full force and effect will result in the Department stopping all work under this encroachment permit and possibly revoking other encroachment permit(s). Bonds are not required of public corporations or privately owned utilities unless permittee failed to comply with the provisions and/or conditions of a prior encroachment permit. The surety company is responsible for any latent defects as provided in California Code of Civil Procedure section 337.15. A local public agency permittee also must comply with the following requirements:

- a) In recognition that project construction work done on State property will not be directly funded and paid by State, for the purpose of protecting stop notice claimants and the interests of State relative to successful project completion, the local public agency permittee agrees to require the construction contractor to furnish both a payment and performance bond in the local public agency's name with both bonds complying with the requirements set forth in Section 3-1.05 *Contract Bonds* of the Department's Standard Specifications before performing any project construction work.
- b) The local public agency permittee must defend, indemnify, and hold harmless the State and the Department, and the Directors, officers, and employees of the State and/or Department, from all project construction related claims by contractors, subcontractors, and suppliers, and from all stop notice and/or mechanic's lien claimants. The local public agency also agrees to remedy, in a timely manner and to the Department's satisfaction, any latent defects occurring as a result of the project construction work.

25. **FUTURE MOVING OF INSTALLATIONS:** Permittee understands and agrees to relocate a permitted installation upon notice by the Department. Unless under prior property right or agreement, the permittee must comply with said notice at the permittee's sole expense.

26. **ENVIRONMENTAL:**

a) **ARCHAEOLOGICAL/HISTORICAL:** If any archaeological or historical resources are identified or encountered in the work vicinity, the permittee must immediately stop work, notify the Department's representative, retain a qualified archaeologist who must evaluate the site at permittee's expense, and make recommendations to the Department's representative regarding the continuance of work.

b) **HAZARDOUS MATERIALS:** If any hazardous waste or materials (such as underground storage tanks, asbestos pipes, contaminated soil, etc.) are identified or encountered in the work vicinity, the permittee must immediately stop work, notify the Department's representative, retain a qualified hazardous waste/material specialist who must evaluate the site at permittee's expense, and make recommendations to the Department's representative regarding the continuance of work.

Attention is directed to potential aerially deposited lead (ADL) presence in unpaved areas along highways. It is the permittee's responsibility to take all appropriate measures to protect workers in conformance with California Code of Regulations Title 8, Section 1532.1, "Lead," and with Cal-OSHA Construction Safety Orders, and to ensure roadway soil management is in compliance with Department of Toxic Substances Control (DTSC) requirements.

27. **PREVAILING WAGES:** Work performed by or under an encroachment permit may require permittee's contractors and subcontractors to pay appropriate prevailing wages as set by the California Department of Industrial Relations. Inquiries or requests for interpretations relative to enforcement of prevailing wage requirements must be directed to the California Department of Industrial Relations.

28. **LIABILITY, DEFENSE, AND INDEMNITY:** The permittee agrees to indemnify and save harmless the State, the Department, and all Directors, officers, employees, agents and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind and description brought for or on account of property damage or injury to or death of any person, including but not limited to members of the public, the permittee, persons employed by the permittee, and persons acting on behalf of the permittee, arising out of or in connection with: (a) the issuance and/or use of this encroachment permit, and/or (b) the work or other activity conducted pursuant to this encroachment permit, and/or (c) the installation, placement, subsequent operation, and/or maintenance of said encroachment, and/or (d) the failure by the permittee or anyone acting on behalf of the permittee to perform permittee's obligations under this encroachment

permit in respect to maintenance or any other obligation, and/or (e) a defect or defects in the work, or obstructions related to the work, or from any cause whatsoever. The duty of the permittee to indemnify and save harmless includes the duties to defend as set forth in Section 2778 of the Civil Code.

It is the intent of the parties that except as prohibited by law, the permittee will defend, indemnify, and hold harmless as set forth above regardless of the existence or degree of fault or negligence, whether active or passive, primary or secondary, on the part of the State, the Department, the Directors, officers, employees, agents and/or contractors of the State and/or Department, including but not limited to the Director of Transportation and the Deputy Directors, the permittee, persons employed by the permittee, and/or persons acting on behalf of the permittee.

The permittee waives any and all rights to any type of expressed or implied indemnity against the State, the Department, the Directors, officers, employees, agents, and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors.

The permittee understands and agrees to comply with the obligations of Titles II and III of the Americans with Disabilities Act in the conduct of the permitted activity, and further agrees to defend, indemnify, and save harmless the State, the Department, the Directors, officers, employees, and/or agents of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind and description arising out of or by virtue of the Americans with Disabilities Act.

Permittee understands and agrees the Directors, officers, employees, and/or agents of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, are not personally responsible for any liability arising from or by virtue of this encroachment permit.

For the purpose of this section and all paragraphs herein, "State's contractors" includes contractors and their subcontractors under contract to the State and/or the Department performing work within the same postmile limits as the work under this encroachment permit.

This section and all paragraphs herein take effect upon issuance of this encroachment permit, and apply both during and after the work or other activity contemplated under this encroachment permit, except as otherwise provided by California law.

29. **NO PRECEDENT ESTABLISHED:** This encroachment permit is issued with the understanding that it does not establish a precedent.

30. **FEDERAL CIVIL RIGHTS REQUIREMENTS FOR PUBLIC ACCOMMODATION:**

a) As part of the consideration for being issued this encroachment permit, the permittee, on behalf of permittee and on behalf of permittee's personal representatives, successors in interest, and assigns, does hereby covenant and agree that:

- i. No person on the grounds of race, color, or national origin may be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.
- ii. That in connection with the construction of any improvements on said lands and the furnishings of services thereon, no discrimination must be practiced in the selection and retention of first-tier subcontractors in the selection of second-tier subcontractors.
- iii. That such discrimination must not be practiced against the public in their access to and use of the facilities and services provided for public accommodations (such as eating, sleeping, rest, recreation), and operation on, over, or under the space of the State highway right-of-way.
- iv. That the permittee must use the premises in compliance with all other requirements imposed pursuant to Title 15, Code of Federal Regulations, Commerce and Foreign Trade, Subtitle A. Office of the Secretary of Commerce, Part 8 (15 C.F.R. Part 8) and as said Regulations may be amended.

b) That in the event of breach of any of the above nondiscrimination covenants, the State and the Department have the right to terminate this encroachment permit and to re-enter and repossess said land and the facilities thereon, and hold the same as if said permit had never been made or issued.

31. **MAINTENANCE OF HIGHWAYS:** By accepting this encroachment permit, the permittee agrees to properly maintain any encroachment. This assurance requires the permittee to provide inspection and repair any damage, at permittee's expense, to State facilities resulting from the encroachment.

32. **SPECIAL EVENTS:** In accordance with subdivision (a) of Streets and Highways Code section 682.5, the Department is not responsible for the conduct or operation of the permitted activity, and the applicant agrees to defend, indemnify, and hold harmless the State, the Department, and the Directors, officers, employees, agents, and

contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind and description arising out of any activity for which this encroachment permit is issued.

The permittee understands and agrees to comply with the obligations of Titles II and III of the Americans with Disabilities Act in the conduct of the event, and further agrees to defend, indemnify, and save harmless the State and the Department, and the Directors, officers, and employees of the State and/or Department, including but not limited to the Director of the Department and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind and description arising out of or by virtue of the Americans with Disabilities Act.

33. **PRIVATE USE OF STATE HIGHWAY RIGHT-OF-WAY:** State highway right-of-way must not be used for private purposes without compensation to the State. The gifting of public property use and therefore public funds is prohibited under the California Constitution, Article 16.
34. **FIELD WORK REIMBURSEMENT:** Permittee must reimburse the Department for field work performed on permittee's behalf to correct or remedy hazards or damaged facilities, or to clear refuse, debris, etc. not attended to by the permittee.
35. **NOTIFICATION OF CLOSURES TO DEPARTMENT AND TRAFFIC MANAGEMENT CENTER (TMC):** The permittee must notify the Department's representative and the Transportation Management Center (TMC) at least seven (7) days before initiating a lane closure or conducting an activity that may cause a traffic impact. A confirmation notification should occur three (3) days before closure or other potential traffic impact. In emergency situations when the corrective work or the emergency itself may affect traffic, TMC and the Department's representative must be notified as soon as possible.
36. **SUSPENSION OF TRAFFIC CONTROL OPERATION:** The permittee, upon notification by the Department's representative, must immediately suspend all lane closure operations and any operation that impedes the flow of traffic. All costs associated with this suspension must be borne by the permittee.
37. **UNDERGROUND SERVICE ALERT (USA) NOTIFICATION:** Any excavation requires compliance with the provisions of Government Code section 4216 et. seq., including but not limited to notice to a regional notification center, such as Underground Service Alert (USA). The permittee must provide notification to the regional notification center at least forty-eight (48) hours

before performing any excavation work within the State highway right-of-way.

38. **COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA):** All work within the State highway right-of-way to construct and/or maintain any public facility must be designed, maintained, and constructed strictly in accordance with all applicable Federal Access laws and regulations (including but not limited to Section 504 of the Rehabilitation Act of 1973, codified at 29 U.S.C. § 794), California Access laws and regulations relating to ADA, along with its implementing regulations, Title 28 of the Code of Federal Regulations Parts 35 and 36 (28 C.F.R., Ch. I, Part 35, § 35.101 et seq., and Part 36, § 36.101 et seq.), Title 36 of the Code of Federal Regulations Part 1191 (36 C.F.R., Ch. XI, Part 1191, § 1119.1 et seq.), Title 49 of the Code of Federal Regulations Part 37 (49 C.F.R., Ch. A, Part 37, § 37.1 et seq.), the United States Department of Justice Title II and Title III for the ADA, and California Government Code section 4450 et seq., which require public facilities be made accessible to persons with disabilities.

Notwithstanding the requirements of the previous paragraph, all construction, design, and maintenance of public facilities must also comply with the Department's Design Information Bulletin 82, "Pedestrian Accessibility Guidelines for Highway Projects."

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COUNTY: _____ ROUTE: _____ SHEET NO. _____ OF _____ SHEETS
 TOTAL PROJECT: _____
 REGISTERED CIVIL ENGINEER
 David S. Smith
 No. 50470
 Exp. 8-30-17
 REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA
 January 20, 2017
 THIS APPROVAL DATE IS FOR THE PROJECT AND THE CONTRACT DOCUMENTS ONLY.
 THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THIS PLAN SHEET.
 TO ACCOMPANY PLANS DATED _____

TABLE 1

SPEED (S)	TAPER LENGTH CRITERIA AND CHANNELLIZING DEVICE SPACING				MAXIMUM CHANNELLIZING DEVICE SPACING			
	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)		SHOULDER		TAPER		TANGENT	
	2L	MERGING	SHIFTING	L/2	L/3	X	Y	Z **
20	160	80	40	27	20	40	40	10
25	250	125	63	42	25	50	50	12
30	360	180	90	60	30	60	60	15
35	490	245	123	82	35	70	70	17
40	640	320	160	107	40	80	80	20
45	1080	540	270	180	45	90	90	22
50	1320	660	330	220	50	100	100	25
55	1440	720	360	240	50	100	100	25
65	1560	780	390	260	50	100	100	25
70	1680	840	420	280	50	100	100	25
75	1800	900	450	300	50	100	100	25

* - For other offsets, use the following merging taper length formula for L:
 For speed of 40 mph or less, L = W²/60
 For speed of 45 mph or more, L = W²

Where: L = Taper length in feet
 W = Width of offset in feet
 S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

SPEED *	LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING			***
	Min 0 **	-3%	-6%	
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891
75	820	866	927	1003

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Longitudinal buffer space or flagger station spacing and longer than 1 mile.

*** - Use on sustained downgrade steeper than ~3 percent

TABLE 3

ROAD TYPE	ADVANCE WARNING SIGN SPACING *		
	A	B	C
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TABLES
FOR LANE AND RAMP CLOSURES

NO SCALE

RSP T9 DATED JANUARY 20, 2017 SUPERSEDES STANDARD PLAN T9
DATED OCTOBER 30, 2015 - PAGE 249 OF THE STANDARD PLANS BOOK DATED 2015.

REVISED STANDARD PLAN RSP T9

11-1318

Chart No. 1 Complete Ramp Lane Hours/Ramp Lane Requirement Hours																										
County: SD					Route/Direction: 52/EB										PM: 5.280											
					52/WB										5.724											
Closure Limits: EB Off-ramp to Convoy St																										
WB Off-ramp to Convoy St																										
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays												S	S	S	S	S										
Fridays												S	S	S	S	S										
Saturdays																										
Sundays																										
Legend:																										
<input checked="" type="checkbox"/> Ramp shoulder closure is permitted for placement of signs only.																										
<input type="checkbox"/> Work is allowed within the highway where a shoulder or lane closure is not required.																										
REMARKS:																										

PN- 11-17-NTK-0736 – 10-19-2017EC



**Chart No. 2
Complete Road Closure Hours/Road Lane Requirement Hours**

County: SD	Route/Direction: NB/SB	PM:																									
	Convoy St																										
Closure Limits: At Rte 52																											
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
Mondays through Thursdays											S	S	S	S	S	S											
Fridays											S	S	S	S	S	S											
Saturdays																											
Sundays																											
Legend:																											
<input type="checkbox"/> S Shoulder closure is permitted for placement of signs only.																											
<input type="checkbox"/> Work permitted within project right of way where shoulder or lane closure is not required.																											
REMARKS:																											

PN- 11-17-NTK-0736 – 10-19-2017EC



18
BY CONTRACTOR
FURNISH AND INSTALL

1 - 16" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

19
BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 12" AC WTR, 10'± LT, RT

RECONNECT EX 12" AC WTR, AFTER
NEW MAIN HAS BEEN ACCEPTED

20
BY CONTRACTOR
FURNISH AND INSTALL

1 - 16" X 12" CROSS (F)
2 - 12" GATE VALVE (F, MJ), LT, RT
1 - 16" GATE VALVE, AHD

1
BY CONTRACTOR
FURNISH AND INSTALL

1 - 16" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

2
BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 12" AC WTR, 10'±, LT

RECONNECT AFTER NEW MAIN
HAS BEEN ACCEPTED.

3
BY CONTRACTOR
FURNISH AND INSTALL

1 - 16" X 6" 90° BEND
1 - 16" X 12" REDUCER LT
1 - 12" GATE VALVE

4
BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 12" AC WTR, 10'± RT

RECONNECT AFTER NEW MAIN
HAS BEEN ACCEPTED.

5
BY CONTRACTOR
FURNISH AND INSTALL

1 - 16" X 6" 90° BEND
1 - 16" X 12" REDUCER RT
1 - 12" GATE VALVE

6
BY CONTRACTOR
FURNISH AND INSTALL

1 - 16" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

7
BY CONTRACTOR
FURNISH AND INSTALL

1 - 16" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

8
BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 12" AC WTR, 10'± LT, RT

RECONNECT EX 12" AC WTR, AFTER
NEW MAIN HAS BEEN ACCEPTED

9
BY CONTRACTOR
FURNISH AND INSTALL

1 - 16" X 8" CROSS (F)
2 - 12" GATE VALVE (F, MJ), LT, RT
1 - 16" GATE VALVE, BK

10
BY CONTRACTOR
FURNISH AND INSTALL

1 - 16" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

11
BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 12" AC WTR, 10'± LT

RECONNECT EX 12" AC WTR, AFTER
NEW MAIN HAS BEEN ACCEPTED

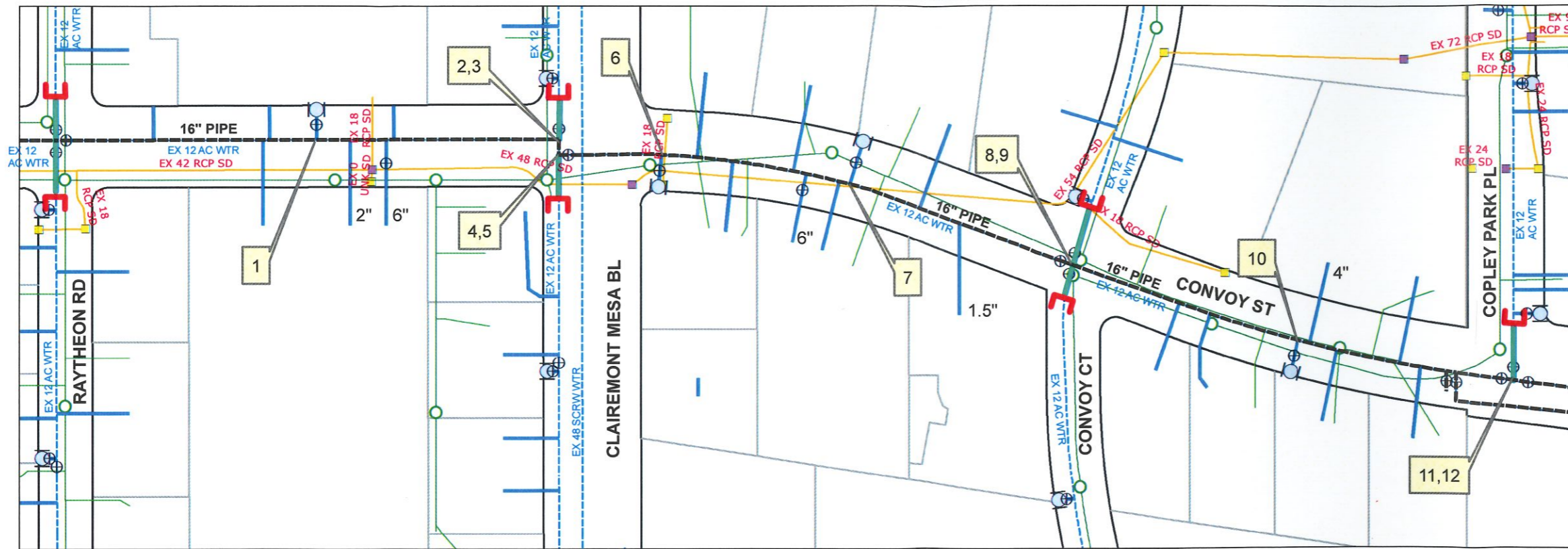
12
BY CONTRACTOR
FURNISH AND INSTALL

1 - 16" X 12" TEE
1 - 12" GATE VALVE (F, MJ), LT
2 - 16" GATE VALVE (F, MJ), BK, AHD

REFERENCE:
WATER: 11446-13-D, 11446-22-D, 12993-6-D
SEWER: 28406-6-D, 28406-9-D, 28406-12-D
STORM DRAIN: NONE
GAS: NONE
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: XX
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: G115
THOMAS BROS.: 1229 B7
HGL: 600

RETIREMENTS:
12" - AC - 1854' - 1963-1972
4 FH (2-PORT) - 2
1.5" SERVICE - 2 - UNK
2" SERVICE - 1 - UNK
4" SERVICE - 1 - UNK
6" SERVICE - 2 - UNK

12" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 2



APPROVED ENCROACHMENT PERMIT PLAN
Permit No.: 11-17-NTK-0736
Date: 12/22/2017

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Legend

- AC Water & Sewer Group 1042 (W)
- Replace crossing AC water
- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- Proposed 2" Blowoff
- Ex. Water Pipes
- Ex. Fire Hydrants
- ⊕ Ex. Gate Valves
- Ex. Water Services
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. Manholes
- Ex. Storm Drain Pipe
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- ◀ Reducer
- Cut & Plug

1 Water Note Callout

CONTRACTOR'S NOTE:
CONTRACTOR TO POT HOLE PRIOR
TO EXCAVATION TO ENSURE THAT
THERE IS AT LEAST A 1' MINIMUM VERTICAL
SEPARATION BETWEEN WATER AND SEWER

MAPS FOR THE CONSTRUCTION OF
AC WATER GROUP 1042
S CONVOYST
RATHEON RD TO COPLEY PARK PL

The City of
SAN DIEGO Public Works



WBS#
B-XXXXX

MAP NO.
3 of 6

CONVOY STREET TRAFFIC CONTROL OSTROW ST TO COPLEY PARK PL

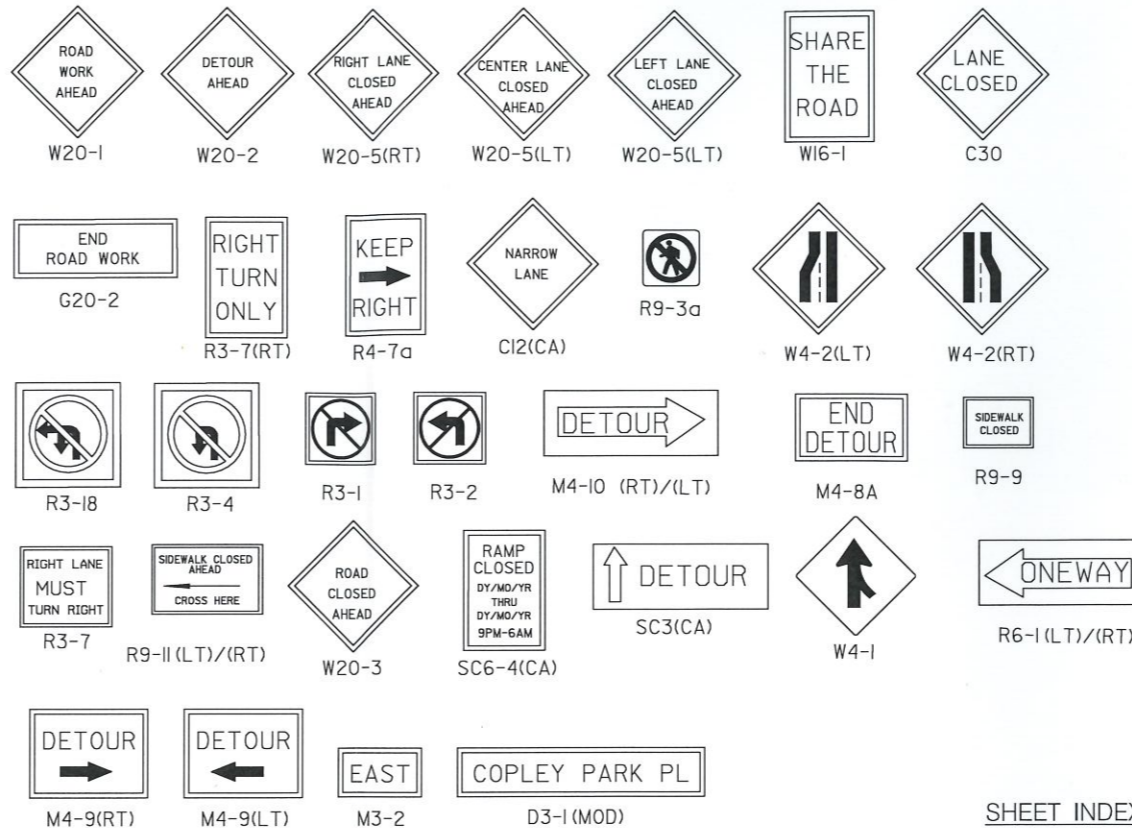
TRAFFIC CONTROL NOTES:

- VALIDATION. THIS TRAFFIC CONTROL PLAN IS NOT VALID UNTIL WORK DATES ARE APPROVED. THE CONTRACTOR SHALL, PER SECTION 601-2.1 OF THE "WHITEBOOK", CALL THE ENGINEERING TRAFFIC CONTROL SECTION AT (858) 495-4742 TO OBTAIN A PERMIT. THE CONTRACTOR MUST CALL A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, OR FIVE (5) WORKING DAYS WHEN THE WORK WILL AFFECT A TRAFFIC SIGNAL.
- ALL WORK WITHIN STATE RIGHT-OF-WAY MUST CONFORM WITH THE LATEST EDITIONS OF THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), CALTRANS STANDARD PLANS, AND CALTRANS STANDARD SPECIFICATIONS, AND/OR AS DIRECTED BY THE PERMIT ENGINEER.
 - CALTRANS MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES;
 - STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK") AND CITY OF SAN DIEGO SUPPLEMENT AMENDMENTS;
 - STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("WHITEBOOK") AND CITY OF SAN DIEGO SUPPLEMENT AMENDMENTS.
 - CA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES REVISION 2, 2014.
- NOTIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AFFECTED AGENCIES A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION, CONSTRUCTION OR TRAFFIC CONTROL:

FIRE DEPARTMENT DISPATCH	(STREET OR ALLEY CLOSURE)	(858) 573-1300
POLICE DEPARTMENT TRAFFIC	(STREET OR ALLEY CLOSURE)	(858) 495-7800
UNDERGROUND SERVICE ALERT	(ANY EXCAVATION)	(800) 422-4133
WASTE MANAGEMENT DEPT.	(REFUSE COLLECTION)	(858) 694-7000
STREET DIVISION/ELECTRICAL	(TRAFFIC SIGNALS)	(619) 527-7500
SAN DIEGO TRANSIT	(BUS STOPS)	(619) 238-0100 x424
MTDB	(TAXI ZONES)	(619) 595-7030

THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND TENANTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF DRIVEWAYS. THE CONTRACTOR SHALL POST SIGNS NOTIFYING THE PUBLIC A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF STREETS.
- POSTING NO PARKING SIGNS. THE CONTRACTOR SHALL POST "TOW-AWAY/NO PARKING" SIGNS TWENTY-FOUR (24) HOURS IN ADVANCE FOR TEMPORARY PARKING REMOVAL. SIGNS SHALL INDICATE SPECIFIC DAYS, DATES, AND TIMES OF RESTRICTIONS.
- EXCAVATIONS. EXCEPT AS SHOWN ON THE PLANS, TRENCHES SHALL BE BACKFILLED OR TRENCH-PLATED AT THE END OF EACH WORK DAY. AN ASPHALT RAMP SHALL BE PLACED AROUND EACH TRENCH PLATE TO PREVENT THE PLATE FROM BEING DISLODGED. UPON COMPLETION OF EXCAVATION BACKFILL, THE CONTRACTOR SHALL PROVIDE A SATISFACTORY SURFACE FOR TRAFFIC. WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS, THE CONTRACTOR SHALL MAINTAIN ALL TRAVEL LANES OPEN TO TRAFFIC, EXCEPT AS SHOWN ON THE PLANS.
- RESTORATION OF TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL REPAIR OR REPLACE TRAFFIC CONTROL DEVICES (INCLUDING TRAFFIC SIGNS, STRIPING, PAVEMENT MARKERS, PAVEMENT MARKINGS, LEGENDS, CURB MARKINGS, LOOP DETECTORS, TRAFFIC SIGNAL EQUIPMENT, ETC.) DAMAGED OR REMOVED AS A RESULT OF OPERATIONS AND NOT DESIGNATED FOR REMOVAL. REPAIRS AND REPLACEMENTS SHALL BE EQUAL TO EXISTING IMPROVEMENTS. LOOP DETECTORS SHALL BE REPLACED WITHIN THREE (3) WORKING DAYS OF COMPLETION OF UNDERGROUND WORK.
- CHANGES IN WORK. THE RESIDENT ENGINEER WILL OBSERVE THESE TRAFFIC CONTROL PLANS IN OPERATION AND RESERVES THE RIGHT TO MAKE CHANGES AS THE FIELD CONDITIONS WARRANT. SUCH CHANGES SHALL SUPERSEDE THESE PLANS.
- FOR WORK NOT COVERED BY THESE TRAFFIC CONTROL PLANS, THE CONTRACTOR SHALL, PER SECTION 7-10.2.2 OF THE CONTRACT SPECIAL PROVISIONS, PREPARE TRAFFIC CONTROL WORKING DRAWINGS AND SUBMIT THEM TO THE RESIDENT ENGINEER. THE CONTRACTOR SHALL ALLOW A MINIMUM OF TWENTY (20) WORKING DAYS FOR REVIEW OF THE WORKING DRAWINGS. UPON APPROVAL OF THE TRAFFIC CONTROL PLAN, THE ENGINEERING TRAFFIC CONTROL SECTION WILL ISSUE A TRAFFIC CONTROL PLAN (TCP) PERMIT FOR THIS WORK.

TRAFFIC CONTROL SIGN LEGEND

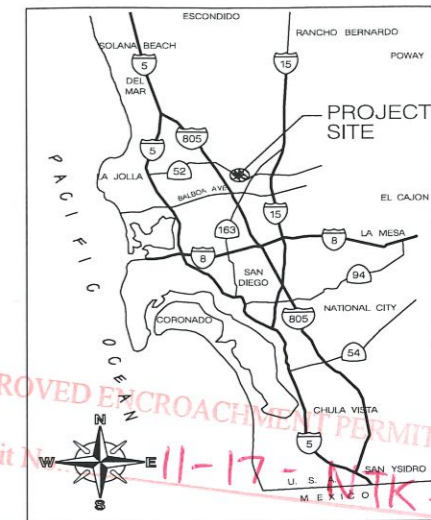


NOTE: ALL SIGNS ARE STANDARD SIZE

SHEET INDEX

SHEET NO.	DISCIPLINE CODE	TITLE
1	G-1	COVER SHEET
2	T-1	WATER GROUP KEYMAP
3-4	T-2 TO T-3	SEWER GROUP KEYMAP
5	T-4	SETUP A TYPICAL
6	T-5	SETUP B TYPICAL
7	T-6	SETUP C TYPICAL
8	T-7	SETUP D TYPICAL
9	T-8	SETUP E TYPICAL
10	T-9	SETUP F TYPICAL
11	T-10	SETUP G TYPICAL
12	T-11	SETUP H TYPICAL
13	T-12	SETUP J TYPICAL
14	T-13	COPLEY PARK PL - PHASE 1
15-16	T-14 TO T-15	COPLEY PARK PL - PHASE 2
17-18	T-16 TO T-17	COPLEY PARK PL - PHASE 3
19-20	T-18 TO T-19	BALBOA AVE - PHASE 1

STREET NAME	EXTENTS	STREET CLASSIFICATION	ADT	STREET WIDTH	POSTED SPEED (MPH)	85TH PERCENTILE	DESIGN SPEED (MPH)
CONVOY ST	AERO DR - BALBOA AVE	FOUR LANE MAJOR ARTERIAL	26,552	86'	40 MPH	37 MPH	40 MPH
CONVOY ST	BALBOA AVE - CLAIREMONT MESA BLVD	FOUR LANE MAJOR ARTERIAL	22,326	86'	40 MPH	37 MPH	40 MPH
CONVOY ST	CLAIREMONT MESA BLVD - SD 52	FOUR LANE MAJOR ARTERIAL	24,749	86'	35 MPH	33 MPH	35 MPH
BALBOA AVE	SD 805 - CONVOY ST	SIX LANE MAJOR ARTERIAL	30,067	100'	35 MPH	41 MPH	40 MPH
BALBOA AVE	CONVOY ST - KEARNEY VILLA RD	SIX LANE MAJOR ARTERIAL	32,975	90'	45 MPH	42 MPH	45 MPH
CLAIREMONT MESA BLVD	SD 805 - SD 163	SEVEN LANE MAJOR ARTERIAL	29,336	100'	35 MPH	43 MPH	40 MPH



APPROVED ENCROACHMENT PERMIT PLAN
Permit No. 11-17-11K-0736
Date: 12/22/2017

LEGEND

- WORK ZONE
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD (ONE DIRECTION)
- FLASHING ARROW BOARD (TWO DIRECTIONS)
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW
- PROPOSED LANE WIDTH
- EXISTING LANE WIDTH

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CONSTRUCTION NOTES

- CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION, NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION
- CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION
- SPACE DELINEATORS 12' ON CENTER
- SPACE DELINEATORS 25' ON CENTER
- SPACE DELINEATORS 50' ON CENTER

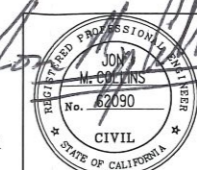
PLANS FOR THE CONSTRUCTION OF AC WATER AND SEWER GROUP 1042 COVER SHEET

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 1 OF 26 SHEETS

G-1

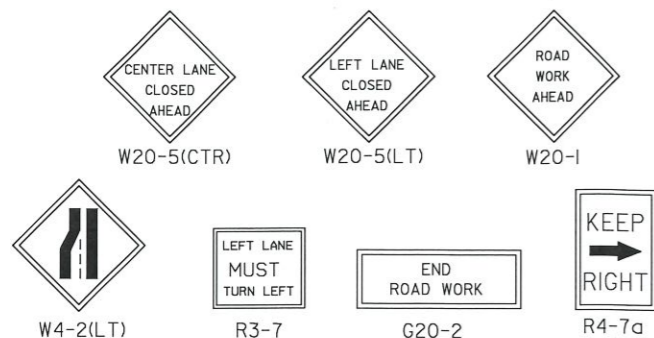
Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
TEL (619) 234-9411



CONTRACTOR INSPECTOR	DATE STARTED	DATE COMPLETED
----------------------	--------------	----------------

SIGN LEGEND



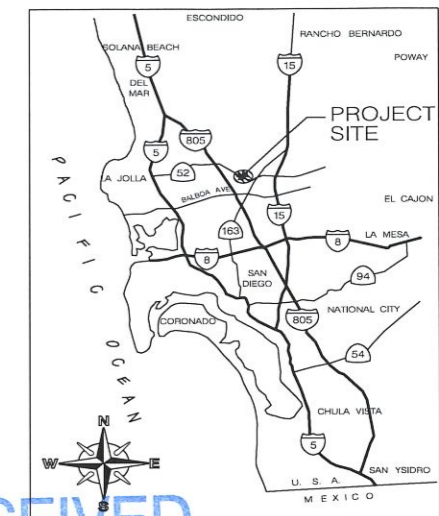
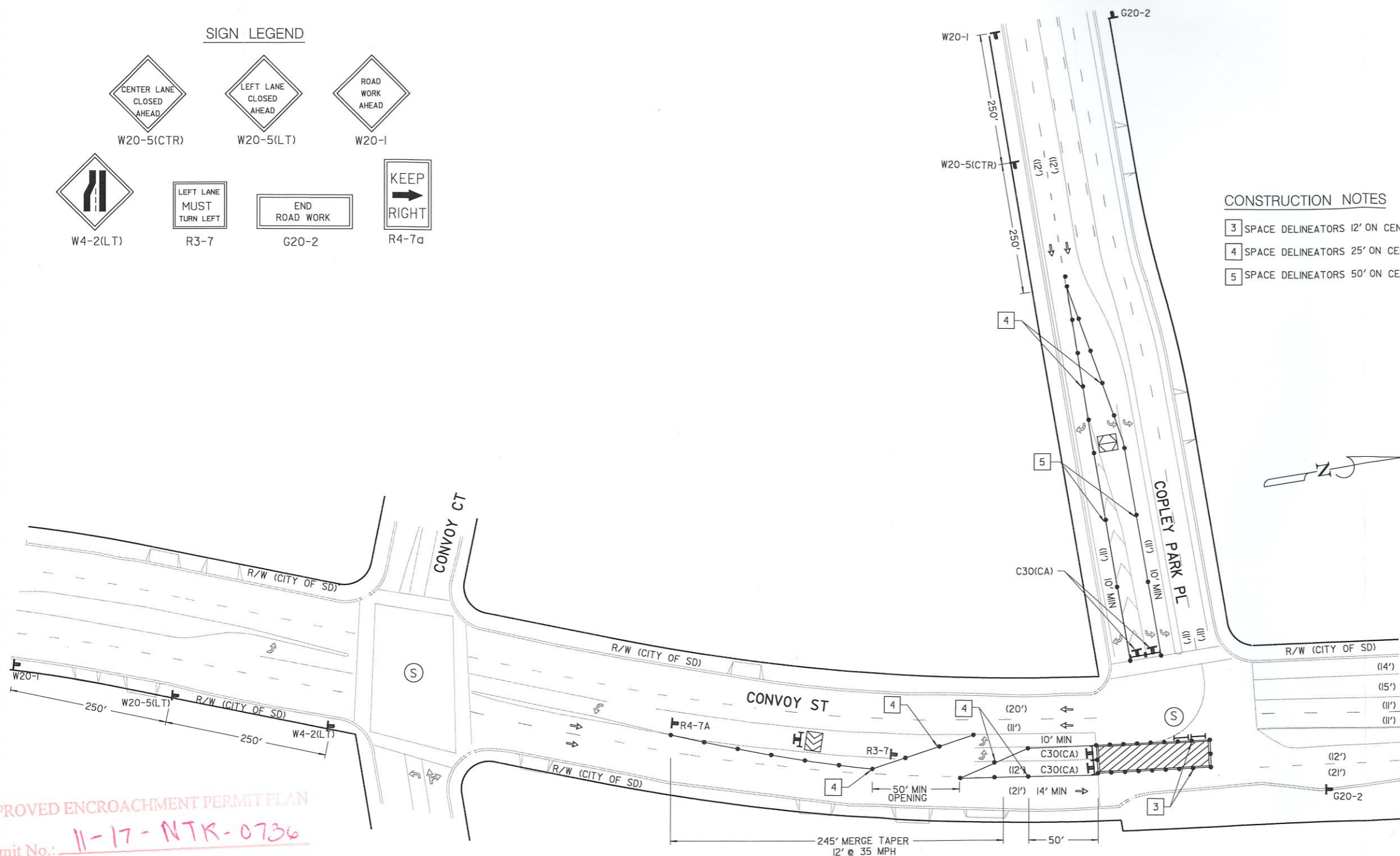
PERMIT NUMBER 11-XX-XXX-XXXX
 CO SD RTE 52 PM 5.5
 AS-BUILT PLANS FOR ROADWAY
 GEOMETRIC ABOVE GROUND
 FEATURES
 STATE REPRESENTATIVE DATE
 PLAN SET 1 PAGE X OF X

CONSTRUCTION NOTES

- 3 SPACE DELINEATORS 12' ON CENTER
- 4 SPACE DELINEATORS 25' ON CENTER
- 5 SPACE DELINEATORS 50' ON CENTER

LEGEND

- WORK ZONE
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD
- FLASHING ARROW BOARD (BI-DIRECTION)
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW



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VICINITY MAP
 NOT TO SCALE



APPROVED ENCROACHMENT PERMIT PLAN
 Permit No.: 11-17-NTK-0736
 Date: 12/22/2017

T-13

PLANS FOR THE CONSTRUCTION OF
 AC WATER AND SEWER GROUP 1042
 TRAFFIC CONTROL PLANS
 COPLEY PARK PL - PHASE 1

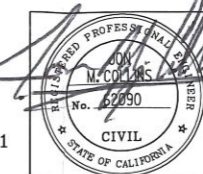
CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 14 OF 26 SHEETS

WBS B-17176/
 B-17177

APPROVED FOR CITY ENGINEER		DATE		SUBMITTED BY	
PROJECT NAME		RCE#		PROJECT MANAGER	
DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT ENGINEER
ORIGINAL	XX/XX				CCS27 COORDINATE
					CCS83 COORDINATE
CONTRACTOR INSPECTOR			DATE STARTED		
			DATE COMPLETED		

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
 TEL (619) 234-9411



PERMIT NUMBER 11-XX-XXX-XXXX
 CO SD RTE 52 PM 5.5
 AS-BUILT PLANS FOR ROADWAY
 GEOMETRIC ABOVE GROUND
 FEATURES

STATE REPRESENTATIVE _____ DATE _____
 PLAN SET 1 PAGE X OF X

LEGEND

- WORK ZONE
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW

SIGN LEGEND

- LEFT LANE CLOSED AHEAD
W20-5(LT)
- ROAD WORK AHEAD
W20-1
- RIGHT LANE CLOSED AHEAD
W4-2(RT)
- DETOUR AHEAD
W20-2
- RIGHT LANE MUST TURN RIGHT
R3-7
- END ROAD WORK
G20-2
- DETOUR
M4-9(RT)
- DETOUR
M4-9(LT)
- EAST
M3-2

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 OCT 30 2017
 CALTRANS PERMIT

CONSTRUCTION NOTES

- 2 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION
- 3 SPACE DELINEATORS 12' ON CENTER
- 4 SPACE DELINEATORS 25' ON CENTER
- 5 SPACE DELINEATORS 50' ON CENTER

PLANS FOR THE CONSTRUCTION OF
 AC WATER AND SEWER GROUP 1042
 TRAFFIC CONTROL PLANS
 COPLEY PARK PL - PHASE 2

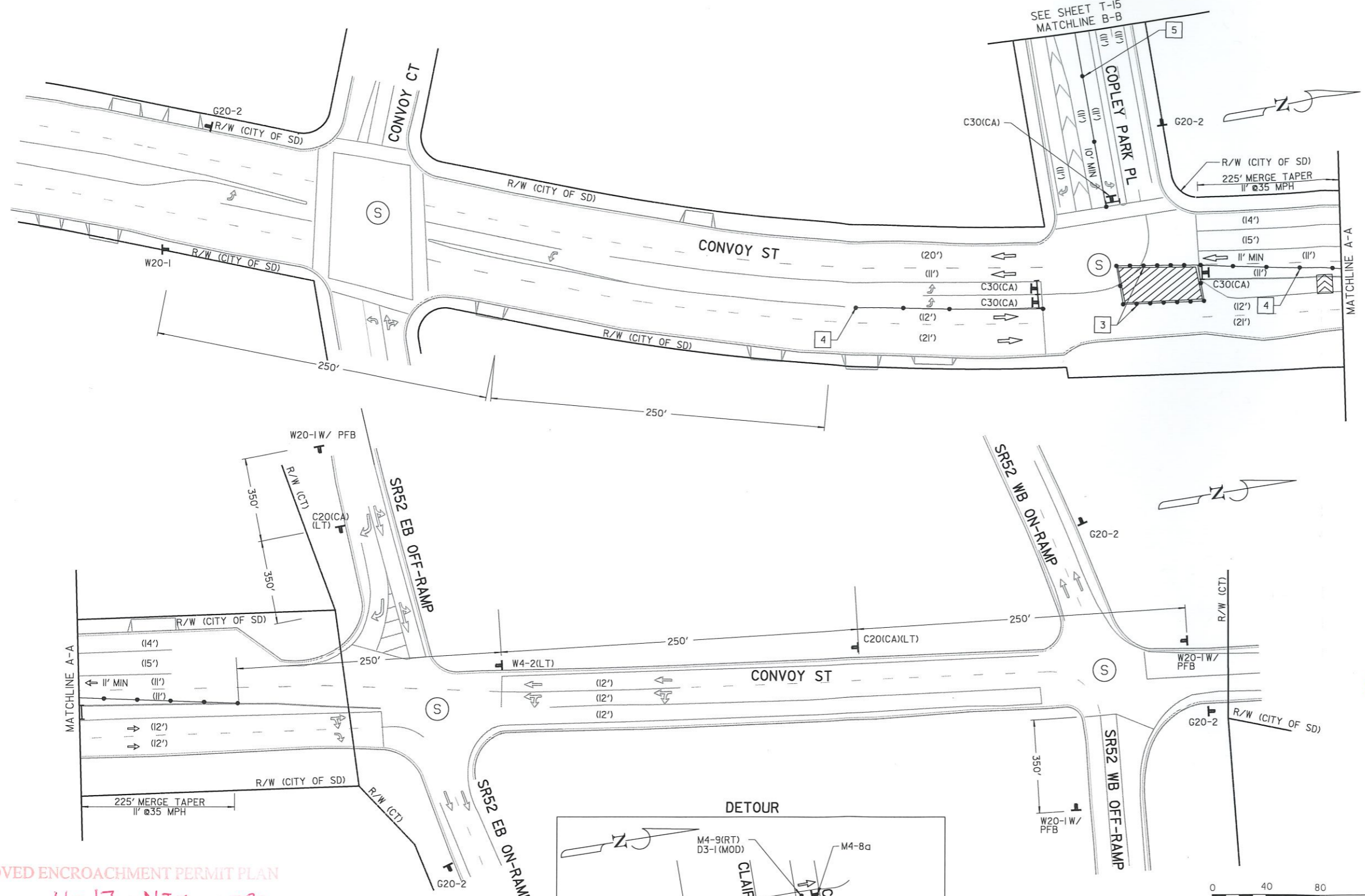
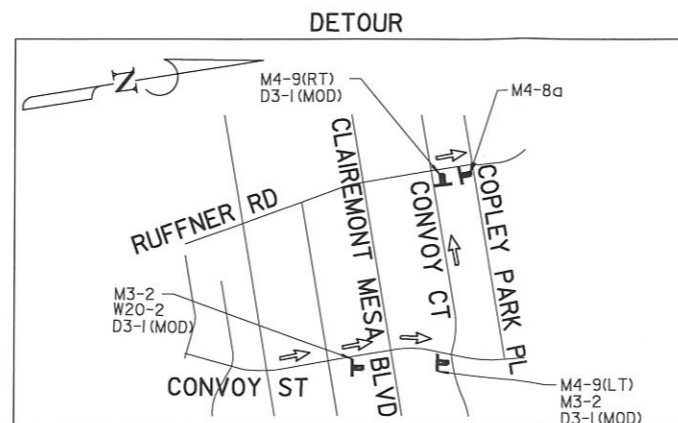
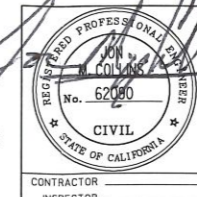
CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 15 OF 26 SHEETS

WBS B-17176/
 B-17177

FOR CITY ENGINEER	DATE	PROJECT MANAGER			
PRINTED	RCE#	CHIEF BY			
DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT ENGINEER
ORIGINAL	XX/XX				CCS27 COORDINATE
					CCS83 COORDINATE
CONTRACTOR INSPECTOR	DATE STARTED	DATE COMPLETED			

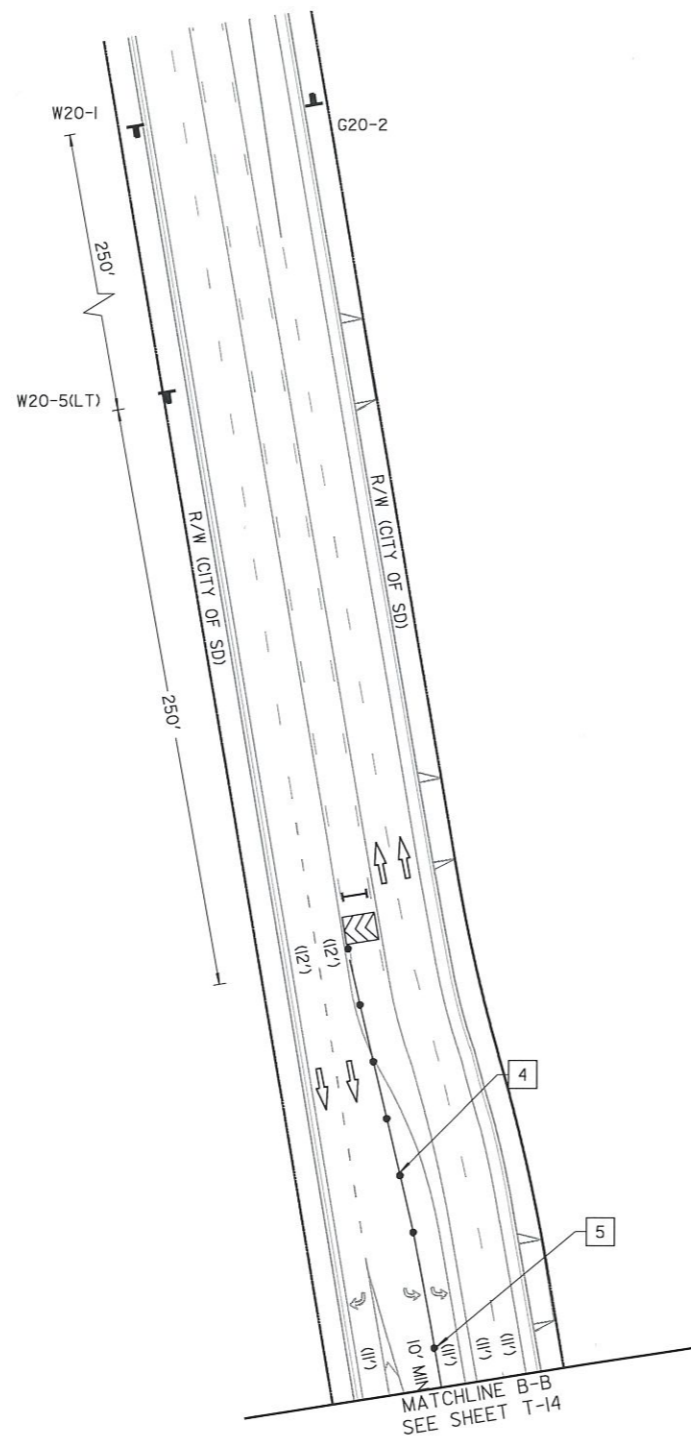
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APPROVED ENCROACHMENT PERMIT PLAN
 Permit No.: 11-17-NTK-0736
 Date: 12/22/2017

SIGN LEGEND



CONSTRUCTION NOTES

- 4 SPACE DELINEATORS 25' ON CENTER
- 5 SPACE DELINEATORS 50' ON CENTER

PERMIT NUMBER 11-XX-XXX-XXXX
 CO SD RTE 52 PM 5.5
 AS-BUILT PLANS FOR ROADWAY
 GEOMETRIC ABOVE GROUND
 FEATURES

STATE REPRESENTATIVE _____ DATE _____
 PLAN SET 1 PAGE X OF X

LEGEND

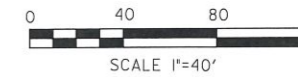
- WORK ZONE
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW
- XX' PROPOSED LANE WIDTH
- (XX') EXISTING LANE WIDTH

APPROVED ENCROACHMENT PERMIT PLAN

Permit No.: 11-17-NTK-0736

Date: 12/22/2017

RECEIVED
 OCT 30 2017
 CALTRANS-PERMIT



T-15

PLANS FOR THE CONSTRUCTION OF
 AC WATER AND SEWER GROUP 1042
 TRAFFIC CONTROL PLANS
 COPLEY PARK PL - PHASE 2

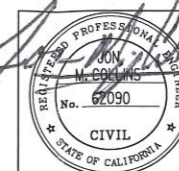
CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 16 OF 26 SHEETS

WBS B-17176/
 B-17177

FOR CITY ENGINEER		DATE		PROJECT MANAGER	
SIGNATURE		RCE#		CHECKED BY	
DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT ENGINEER
ORIGINAL	XX/XX				
					CCS27 COORDINATE
					CCS83 COORDINATE
CONTRACTOR INSPECTOR			DATE STARTED		
			DATE COMPLETED		

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
 TEL (619) 234-9411



PERMIT NUMBER 11-XX-XXX-XXXX
 CO SD RTE 52 PM 5.5
 AS-BUILT PLANS FOR ROADWAY
 GEOMETRIC ABOVE GROUND
 FEATURES

STATE REPRESENTATIVE DATE
 PLAN SET 1 PAGE X OF X

LEGEND

- WORK ZONE
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW

SIGN LEGEND

- CENTER LANE CLOSED AHEAD
W20-5(CTR)
- ROAD WORK AHEAD
W20-1
- RIGHT LANE MUST TURN RIGHT
R3-7
- END ROAD WORK
G20-2
- W4-2(RT)

CONSTRUCTION NOTES

- 3 SPACE DELINEATORS 12' ON CENTER
- 4 SPACE DELINEATORS 25' ON CENTER
- 5 SPACE DELINEATORS 50' ON CENTER

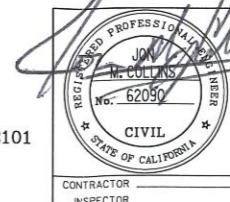
RECEIVED
 OCT 30 2017

SCALE 1"=40'
 CALTRANS PERMIT
 T-16

PLANS FOR THE CONSTRUCTION OF
 AC WATER AND SEWER GROUP 1042
 TRAFFIC CONTROL PLANS
 COPLEY PARK PL - PHASE 3

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 17 OF 26 SHEETS

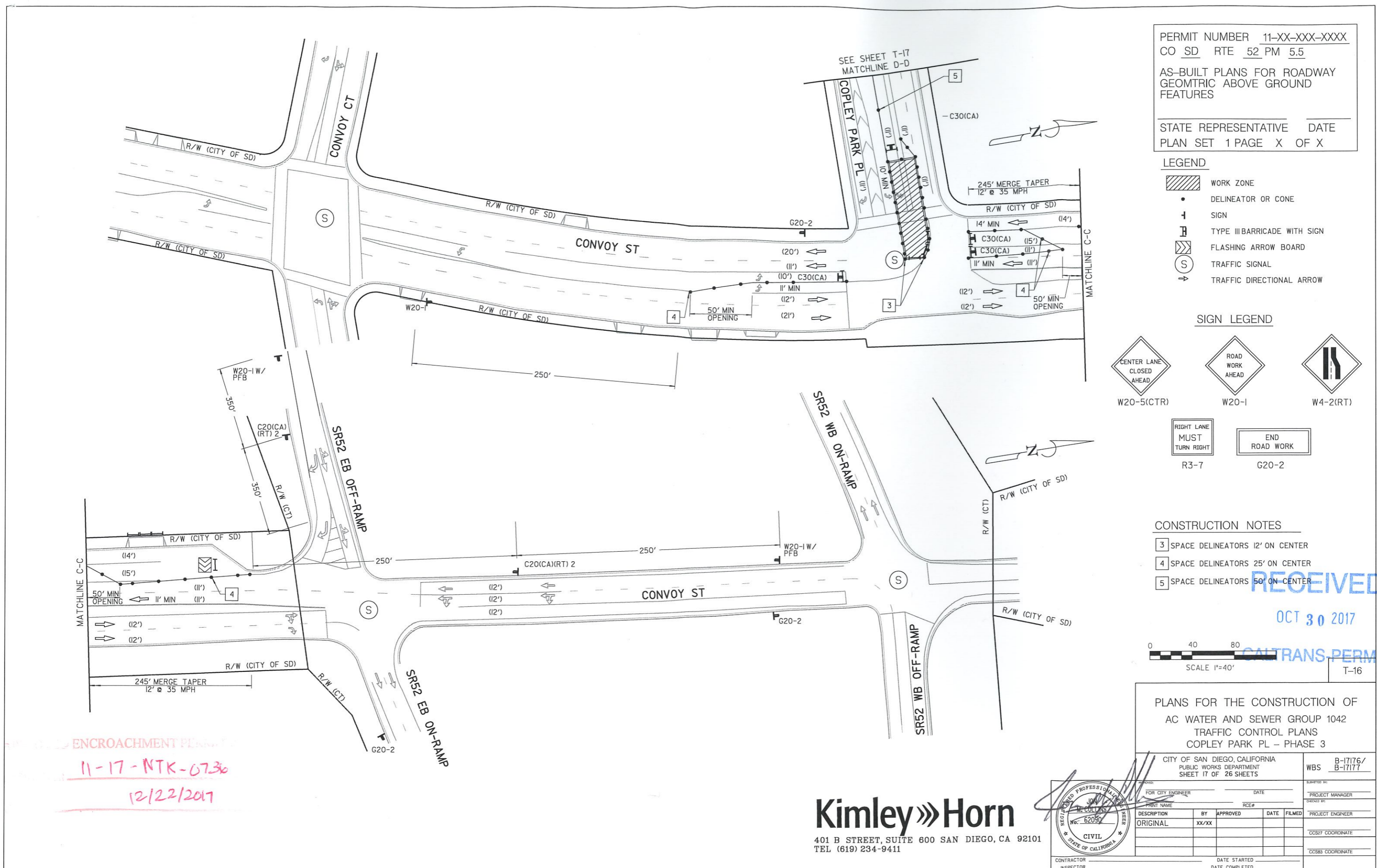
FOR CITY ENGINEER	DATE	PROJECT MANAGER
PRINT NAME	RCE#	CHECKED BY
DESCRIPTION	BY	APPROVED
DATE	FILMED	PROJECT ENGINEER
ORIGINAL	XX/XX	CCS27 COORDINATE
		CCS83 COORDINATE
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	



Kimley»Horn

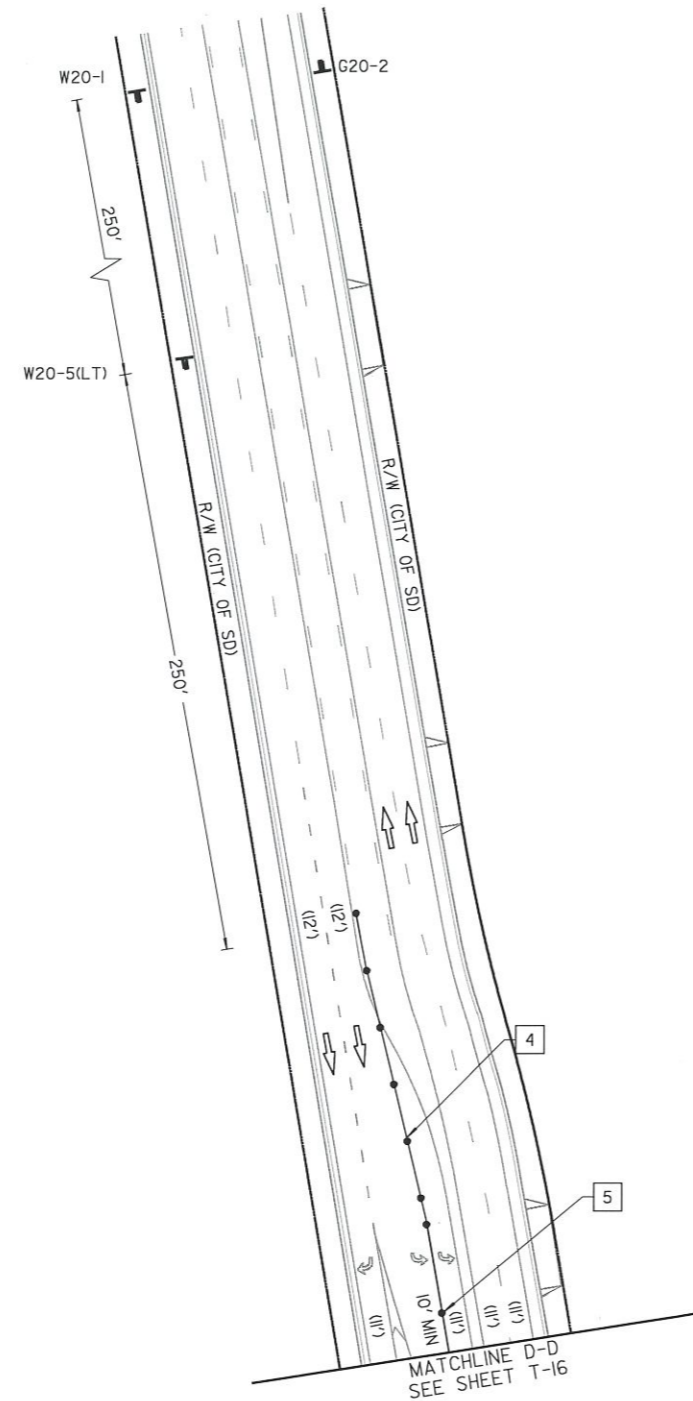
401 B STREET, SUITE 600 SAN DIEGO, CA 92101
 TEL (619) 234-9411

ENCROACHMENT PERMIT
 11-17-NTK-0730
 12/22/2017



PERMIT NUMBER 11-XX-XXX-XXXX
 CO SD RTE 52 PM 5.5
 AS-BUILT PLANS FOR ROADWAY
 GEOMETRIC ABOVE GROUND
 FEATURES

STATE REPRESENTATIVE DATE
 PLAN SET 1 PAGE X OF X



LEGEND

- WORK ZONE
- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW

SIGN LEGEND



CONSTRUCTION NOTES

- 4 SPACE DELINEATORS 25' ON CENTER
- 5 SPACE DELINEATORS 50' ON CENTER

RECEIVED

OCT 30 2017



T-17

PLANS FOR THE CONSTRUCTION OF
 AC WATER AND SEWER GROUP 1042
 TRAFFIC CONTROL PLANS
 COPLEY PARK PL - PHASE 3

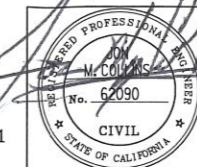
CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 18 OF 26 SHEETS

WBS B-17176/
 B-17177

FOR CITY ENGINEER		DATE		SUBMITTED BY	
PROJECT MANAGER		PROJECT ENGINEER		PROJECT MANAGER	
PROJECT ENGINEER		PROJECT ENGINEER		PROJECT ENGINEER	
CCS87 COORDINATE		CCS87 COORDINATE		CCS87 COORDINATE	
CCS83 COORDINATE		CCS83 COORDINATE		CCS83 COORDINATE	
CONTRACTOR INSPECTOR		DATE STARTED		DATE COMPLETED	

Kimley»Horn

401 B STREET, SUITE 600 SAN DIEGO, CA 92101
 TEL (619) 234-9411



ENCROACHMENT PERMIT PLAN

11-17-NTR-0736

12/22/2017

APPENDIX I
SAMPLE OF PUBLIC NOTICE



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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- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
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Monday through Friday X:XX AM to X:XX PM.

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX

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

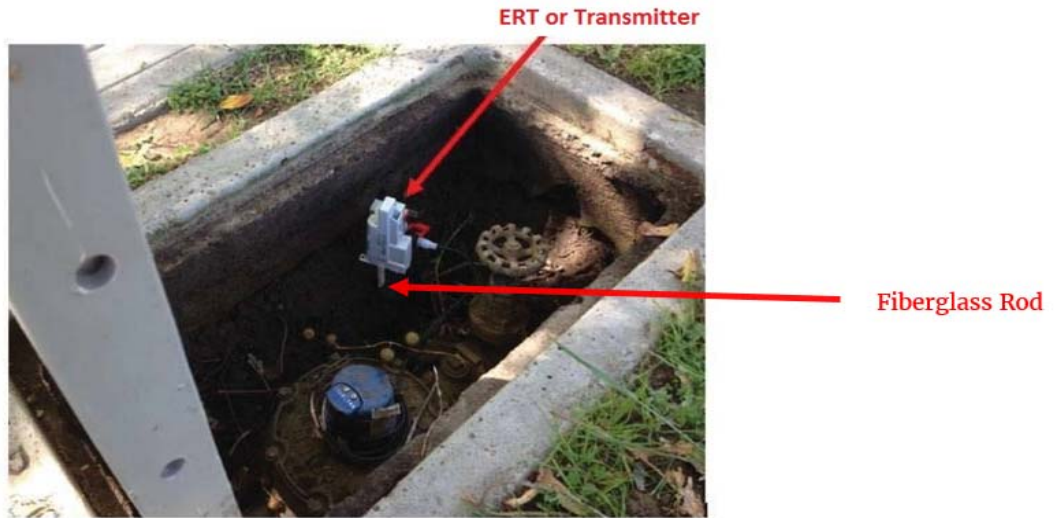


Photo 6 below is an example of disturbance that shall be avoided:

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.

ATTACHMENT F
RESERVED

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 S.C. Valley Engineering, Inc., herein called "Contractor" for construction of **AC Water and Sewer Group 1042** Bid No. **K-19-1737-DBB-3** in the amount of **Eight Million One Hundred Ninety Thousand Four Hundred Dollars and Zero Cents (\$8,190,400.00)**, which is comprised of the Base Bid plus Additive Alternates A and B.

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) Phased Funding Schedule Agreement,
 - (e) That certain documents entitled **AC Water and Sewer Group 1042**, on file in the office of the **Public Works Department** as Document No. **B-17177, B-17176**, 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 **AC Water and Sewer Group 1042**, Bid Number **K-19-1737-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: Claudia C. Abarca

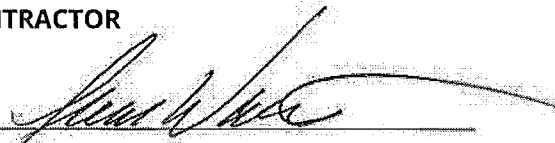
Print Name: Pedro De Cava, Jr.
Deputy City Attorney

Deputy Director
Public Works Contracts

Date: June 20, 2019

Date: 6/21/19

CONTRACTOR

By 

Print Name: Samuel Wathen

Title: President

Date: 4/24/19

City of San Diego License No.: B2001005583

State Contractor's License No.: 624559

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000020727

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

AMERICANS 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 Americans With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "Americans With Disabilities Act", of the project specifications, and that:

This company has in place workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of the policy as outlined.

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

I declare under penalty of perjury that I am authorized to make this certification on behalf of the company submitting this bid/proposal, that as Contractor, I am familiar with the requirements of City of San Diego Municipal Code § 22.3004 regarding Contractor Standards as outlined in the WHITEBOOK, Section 7-13.4, ("Contractor Standards"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

CONTRACTOR CERTIFICATION

EQUAL BENEFITS ORDINANCE CERTIFICATION

I declare under penalty of perjury that I am familiar with the requirements of and in compliance with the City of San Diego Municipal Code § 22.4300 regarding Equal Benefits Ordinance.

CONTRACTOR CERTIFICATION

EQUAL PAY ORDINANCE CERTIFICATION

Contractor shall comply with the Equal Pay Ordinance (EPO) codified in the San Diego Municipal Code (SDMC) at section 22.4801 through 22.4809, unless compliance is not required based on an exception listed in SDMC section 22.4804.

Contractor shall require all of its subcontractors to certify compliance with the EPO in their written subcontracts.

Contractor must post a notice informing its employees of their rights under the EPO in the workplace or job site.

By signing this Contract with the City of San Diego, Contractor acknowledges the EPO requirements and pledges ongoing compliance with the requirements of SDMC Division 48, section 22.4801 et seq., throughout the duration of this Contract.

AFFIDAVIT OF DISPOSAL

(To be submitted upon completion of Construction pursuant to the contracts Certificate of Completion)

WHEREAS, on the _____ DAY OF _____, 2_____ the undersigned entered into and executed a contract with the City of San Diego, a municipal corporation, for:

AC Water and Sewer Group 1042

(Project Title or Task)

as particularly described in said contract and identified as Bid No. **K-19-1737-DBB-3**; SAP No. (WBS/IO/CC) **B-17177, B-17176**; 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

CERTIFICATE OF COMPLIANCE

Materials and Workmanship Compliance

For Contract or Task _____

I certify that the material listed below complies with the materials and workmanship requirements of the Caltrans Contract Plans, Special Provisions, Standard Specifications, and Standard Plans for the contract listed above.

I also certify that I am an official representative for _____, the manufacturer of the material listed above. Furthermore, I certify that where California test methods, physical or chemical test requirements are part of the specifications, that the manufacturer has performed the necessary quality control to substantiate this certification.

Material Description:

Manufacturer: _____
Model: _____
Serial Number (if applicable) _____
Quantity to be supplied: _____
Remarks: _____

Signed by: _____

Printed Name: _____

Title: _____

Company: _____

Date: _____

City of San Diego

**Public Works Department
CONSTRUCTION MANAGEMENT AND FIELD SERVICES**

NOTICE OF MATERIALS TO BE USED

To: _____ Date: _____, 20____

Resident Engineer

You are hereby notified that the materials required for use under Contract No. _____
for construction of _____

_____ in the City of San Diego, will be obtained from sources herein designated.

CONTRACT ITEM NO. (Bid Item)	KIND OF MATERIAL (Category)	NAME AND ADDRESS WHERE MATERIAL CAN BE INSPECTED (At Source)

It is requested that you arrange for a sampling, testing, and inspection of the materials prior to delivery, in accordance with Section 4-1.11 of the WHITEBOOK, where it is practicable, and in accordance with your policy. It is understood that source inspection does not relieve the Contractor of full responsibility for incorporating in the work, materials that comply in all respects with the contract plans and specifications, nor does it preclude subsequent rejection of materials found to be undesirable or unsuitable.

Distribution:

Supplier

Signature of Supplier

Address

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

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 |

SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE (USE ONLY WHEN ADDITIVE ALTERNATES ARE REQUIRED)

***** PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY *** TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY *** SEE INSTRUCTIONS TO BIDDERS, FOR FURTHER INFORMATION**

ADDITIVE/ DEDUCTIVE ALTERNATE	NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	SUBCONTRACT OR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ^②	CHECK IF JOINT VENTURE PARTNERSHIP
	Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							
	Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							

- ① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Subcontractor is certified by:
- | | | | |
|--|------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | State of California's Department of General Services | CADoGS |
| City of Los Angeles | LA | State of California | CA |
| U.S. Small Business Administration | SBA | | |

ELECTRONICALLY SUBMITTED FORMS

THE FOLLOWING FORMS MUST BE SUBMITTED IN PDF FORMAT WITH BID SUBMISSION

The following forms are to be completed by the bidder and submitted (uploaded) electronically with the bid in PlanetBids.

- A. BID BOND – See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions**
- B. CONTRACTOR’S CERTIFICATION OF PENDING ACTIONS**
- C. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**
- D. SUBCONTRACTOR LISTING (OTHER THAN FIRST TIER)**

Bids will not be accepted until ALL the above-named forms are submitted as part of the bid submittal

BID BOND

**See Instructions to Bidders, Bidder Guarantee of Good Faith
(Bid Security)**

KNOW ALL MEN BY THESE PRESENTS,

That S.C. Valley Engineering, Inc. as Principal,
and Western Surety 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

AC Water & Sewer Group 1042

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 6 day of February, 2019

S.C. Valley Engineering, Inc. (SEAL)
(Principal)

By:

(Signature)

Western Surety Company (SEAL)
(Surety)

By:

(Signature)

Robert P. Dole, Attorney-in-Fact

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Daniel P Dole, John T Dole, Nicki Edwards, Robert P Dole, Adam Dole, Michael Dole, Individually

of Bonita, CA, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 14th day of August, 2018.



WESTERN SURETY COMPANY

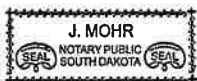
Paul T. Bruflat
Paul T. Bruflat, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 14th day of August, 2018, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

June 23, 2021



J. Mohr
J. Mohr, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 6 day of February, 2019.



WESTERN SURETY COMPANY

L. Nelson
L. Nelson, Assistant Secretary

CALIFORNIA ALL-PURPOSE 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 February 6, 2019 before me, Nicki Edwards, Notary Public,
Date Insert Name of Notary exactly as it appears on the official seal

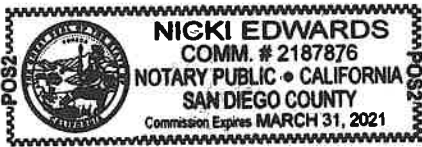
personally appeared Robert P. Dole
Name(s) of Signer(s)

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 Nicki Edwards
Signature of Notary Public Nicki Edwards



Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of the form to another document.

Description of Attached Document

Title or Type of Document: Bid Bond

Document Date: February 6, 2019 Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: Robert P. Dole

- Individual
 Corporate Officer — Title(s): _____
 Partner Limited General
 Attorney in Fact
 Trustee
 Guardian or Conservator
 Other: _____

RIGHT THUMBPRINT
OF SIGNER

Top of thumb here

Signer is Representing:
Western Surety Company

Signer's Name: _____

- Individual
 Corporate Officer — Title(s): _____
 Partner Limited General
 Attorney in Fact
 Trustee
 Guardian or Conservator
 Other: _____

RIGHT THUMBPRINT
OF SIGNER

Top of thumb here

Signer is Representing: _____

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

CHECK ONE BOX ONLY.

- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.
- The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/REMEDIAL ACTION TAKEN
		N/A			

Contractor Name: S.C. Valley Engineering, Inc.

Certified By Samuel Wathen Name Title President

 Signature Date 3/7/19

USE ADDITIONAL FORMS AS NECESSARY

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Legal Name S.C. Valley Engineering, Inc DBA N/A
 Street Address 656 Front Street City El Cajon State CA Zip 92020
 Contact Person, Title Samuel Wathen Phone 619-444-2300 Fax 619-444-2333

Provide the name, identity, and precise nature of the interest* of all persons who are directly or indirectly involved** in this proposed transaction (SDMC § 21.0103).

* The precise nature of the interest includes:

- the percentage ownership interest in a party to the transaction,
- the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction,
- the value of any financial interest in the transaction,
- any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and
- any philanthropic, scientific, artistic, or property interest in the transaction.

** Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or
- directing or supervising the actions of persons engaged in the above activity.

Name Samuel Wathen Title/Position President
 City and State of Residence El Cajon CA Employer (if different than Bidder/Proposer) (Same as above)
 Interest in the transaction 100% Corporate Owner

Name Samuel Wathen Title/Position President
 City and State of Residence El Cajon CA Employer (if different than Bidder/Proposer) Same as above
 Interest in the transaction Submitting bids, proposals or other documents to contract w/city

*** Use Additional Pages if Necessary ***

Under penalty of perjury under the laws of the State of California, I certify that I am responsible for the completeness and accuracy of the responses contained herein, and that all information provided is true, full and complete to the best of my knowledge and belief. I agree to provide written notice to the Mayor or Designee within five (5) business days if, at any time, I learn that any portion of this Mandatory Disclosure of Business Interests Form requires an updated response. Failure to timely provide the Purchasing Agent with written notice is grounds for Contract termination.

Samuel Wathen President Signature 3/7/19 Date
 Print Name, Title Signature Date

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive. In the case of an informal solicitation, the contract will not be awarded unless a signed and completed Mandatory Disclosure of Business Interests Form is submitted.

SUBCONTRACTOR LISTING
(OTHER THAN FIRST TIER)

Pursuant to California Senate Bill 96 and in accordance with the requirements of Labor Code sections 1771.1 and 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 California Department of Industrial Relations (DIR). **The Bidder is to list below the name, address, license number, DIR registration number of any (known tiered subcontractor) - who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement pursuant to the contract. If none are known at this time, mark the table below with non-applicable (N/A).**

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK
Name: <u>Pavement Recycling System, Inc.</u> Address: <u>10740 San Sevaine Way</u> City: <u>San Jose Valley</u> State: <u>CA</u> Zip: <u>91757</u> Phone: <u>951-682-1091</u> Email: <u>John.Karagas@pavementrecycling.com</u>	<u>Constructor</u>	<u>1000003363</u>	<u>569352</u>	<u>cold milling</u>
Name: <u>West Coast Sand & Gravel</u> Address: <u>12570 Hwy 67 #8</u> City: <u>Lakeside</u> State: <u>CA</u> Zip: <u>92040</u> Phone: <u>619-561-3903</u> Email: <u>jwillingham@wco.com</u>	<u>Constructor</u>	<u>1000005386</u>	<u>N/A</u>	<u>Hauling on/off</u>
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				

**** USE ADDITIONAL FORMS AS NECESSARY ****

City of San Diego

CITY CONTACT: Taylor Cox, Contract Specialist, Email: TJCox@sandiego.gov

Phone No. (619) 533-3033

ADDENDUM A



FOR

AC WATER & SEWER GROUP 1042

BID NO.:	K-19-1737-DBB-3
SAP NO. (WBS/IO/CC):	B-17177, B-17176
CLIENT DEPARTMENT:	2112
COUNCIL DISTRICT:	6
PROJECT TYPE:	KA, JA

BID DUE DATE:

**2:00 PM
MARCH 7, 2019**

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

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

ENGINEER OF WORK

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

Bose
For City Engineer

2/21/19
Date

Seal:



A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

B. BIDDER'S QUESTIONS

Q1. Please confirm that the requested "Hazardous Waste Management Plan" is the same as the "Hazardous Substance Management Plan" and that the correct reference is 7-22.7 (Whitebook).

A1. Yes this is the same.

Q2. Please confirm whether or not a Community Health and Safety Plan (CHSP) pursuant to Section 7-22.2 of the Whitebook is required for this project (see Section 7-22.1 (5) of the Whitebook).

A2. A Community Health and Safety Plan is required, if contaminated soils are encountered.

Q3. Please identify the areas within the project area that are known or suspected to contain petroleum hydrocarbons.

A3. The bidding contractors are required to do their own review. All information can be found using the GeoTracker Website. Please refer to section 7-22.1 of Whitebook.

Q4. Does the reference "Convoy St. (Kearny Mesa to Copley St.) refer to the entire length of the project area from Kearny Mesa Road to Copley Park Place?

A4. The bidding contractors are required to do their own review. All information can be found using the GeoTracker Website. Please refer to section 7-22.1 of Whitebook.

Q5. Are you assuming that the entirety of the trenching operations must be monitored by an environmental professional for the presence of petroleum hydrocarbons?

A5. The bidding contractors are required to do their own review. All information can be found using the GeoTracker Website. Please refer to section 7-22.1 of Whitebook.

- Q6. The plans show various Tee's and Crosses being installed by City forces prior to Contractors work. Will the Contractor be required to connect to those fittings after the new main passes pressure and Bac-T testing?
- A6. Refer to section 11 of Notice Inviting Bids in the project Bidding documents and section 901-2.5 of Whitebook. Please bid as is.

C. INSTRUCTIONS TO BIDDERS

1. To Section 8, Reference Standards, pages 10 and 11, **DELETE** in their entirety and **SUBSTITUTE** with the following:
- 8. 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: https://www.sandiego.gov/publicworks/edocref/index.shtml		

D. ATTACHMENT

1. To Attachment A, Scope of Work, item 1, page 21 **DELETE** in its entirety and **SUBSTITUTE** with the following:
 1. **SCOPE OF WORK:** Construction of AC Water and Sewer Group 1042 consists of the installation of approximately 9,065 linear feet of 16-inch PVC Water Mains, replacing existing 12-inch AC Water Mains; and the installation of water services, fire services and fire hydrants, and approximately 637 linear feet of PVC Sewer Mains, replacing existing concrete encased 12-inch Verified Clay Sewer Mains; and the installation of sewer manholes; and all other work and appurtenances in accordance with these specifications
 - 1.1 The Work shall be performed in accordance with:
 - 1.1.1 The Notice Inviting Bids and Plans numbered **40350-01-D** through **40350-31-D**, inclusive and Traffic Control Plans **40350-T01-D** through **40350-T40-D**, inclusive. Final Street Resurfacing is not included as part of the project.
2. To Attachment B, Phased Funding Provisions, Item 1, Pre-Award, sub-item 1.1 and 1.1.1, page 23, **DELETE** in its entirety and **SUBSTITUTE** with the following:
 - 1.1. Within 10 Working Days of the Notice of Intent to Award, the Contractor must contact the Project Manager to discuss fund availability for each phase and shall also submit the following:
 - 1.1.1. Construction Cost Loaded Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 9-3, "PAYMENT."

E. SUPPLEMENTARY SPECIAL PROVISIONS

1. To Item 1, sub item a) and b), page 32, **DELETE** in its entirety and **SUBSTITUTE** with the following:
 1. The **2015 Edition** of the Standard Specifications for Public Works Construction (The "GREENBOOK").
 2. The **2015 Edition** of the City of San Diego Standard Specifications for Public Works Construction (The "WHITEBOOK"), including the following:
 - a) General Provisions (A) for all Contracts.

2. To Section 6, Prosecution and Progress of the Work, Item 6-1.1 Construction Schedule, sub-item 22, page 40, **DELETE** in its entirety and **SUBSTITUTE** with the following:

- 22) Submit an updated cash flow forecast with every pay request (for each Project ID or WBS number provided in the Contract) showing periodic and cumulative construction billing amounts for the duration of the Contract Time. If there has been any Extra Work since the last update, include only the approved amounts.

- i. Refer to the Sample City Invoice materials in **Appendix D – Sample City Invoice with Cashflow Forecast** and use the format shown.
- ii. See also the “Cashflow Forecast Example” at the location below:

<https://www.sandiego.gov/publicworks/edocref>

3. To Section 6, Prosecution and Progress of the Work, Item 6-6.2, Extension of Time, page 41, **DELETE** in its entirety and **SUBSTITUTE** with the following:

6-6.2 Extensions of Time. To the “WHITEBOOK”, **DELETE** in its entirety and **SUBSTITUTE** with the following:

1. The Contract Time shall not be modified except by Change Order.
2. You shall notify the City in writing within **1 Working Day** after the occurrence and discovery of an event that impacts the Project Schedule.
 - a) If you believe this event requires a Change Order, you shall submit a **written Change Order request with a report to** the City that explains the request for Change Order within **5 Working Days**. The Change Order request must include supporting data, a general description of the discovery, the basis for extension, and the estimated length of extension. The City may grant an extension of time, in writing, for the Change Order request if you require more time to gather and analyze data.

3. The Engineer shall not grant an extension of Contract Time in accordance with 6-1.6, "Excusable Delays" unless you demonstrate, through an analysis of the critical path, the following:
 - a) The event causing the delay impacted the activities along the Project's critical path.
 - b) The increases in the time to perform all or part of the Project beyond the Contract Time arose from unforeseeable causes beyond your control and without your fault or negligence and that all project float has been used.
4. Any modifications to the Contract Time will be incorporated into the weekly document that the Engineer issues that stipulates the Contract Time. If you do not agree with this document, submit to the Engineer for review a written protest supporting your objections to the document within **30 Calendar Days** after receipt of the statement. Your failure to file a timely protest shall constitute your acceptance of the Engineer's weekly document.
 - a) Your protest will be considered a claim for time extension and shall be subject to 3-5.1, "Claims".
4. To Section 6, Prosecution and Progress of the Work, Item 6-6.4, Written Notice and Report, page 42, **DELETE** in its entirety and **SUBSTITUTE** with the following:

6-6.4 Written Notice and Report. To the "WHITEBOOK", **DELETE** in its entirety and **SUBSTITUTE** with the following:

 1. Your failure to notify the Resident Engineer within **1 Working Day** OR provide a Change Order request within **5 Working Days** after the event, in accordance with 6-6.2, "Extensions of Time", will be considered grounds for refusal by the City to consider such request if your failure to notify prejudices the City in responding to the event.

5. To Section 7, Control of the Work, Item 7-8.1, General, page 51, **DELETE** in its entirety and **SUBSTITUTE** with the following:

7-8.1 General. To the "WHITEBOOK", ADD the following:

2. You shall provide a PM-10 certified self-loading motorized street sweeper equipped with a functional water spray system for this project.
3. You shall sweep all paved areas within the Work site and all paved haul routes as specified below:
 - a) Every Friday on a weekly basis.
 - b) 1 Working Day prior to each rain event.
 - c) As directed by the Engineer.

If these requirements would require you to sweep on a Holiday or Weekend, then you shall sweep the next available Working Day prior to that Holiday or Weekend.

F. 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	Qty	Payment Reference
Main Bid	237110	Water Service (1 Inch)	EA	<u>48</u> 49	306-15.8

G. PLANS

1. To Drawings **40350-01-D** through **40350-31-D**, **DELETE** in their entirety and **REPLACE** with pages 9 through 39 of this Addendum.

James Nagelvoort, Director
Public Works Department

Dated: *February 22, 2019*
San Diego, California

JN/MJN/Lad

CONTRACTOR'S RESPONSIBILITIES

- PURSUANT TO SECTION 4216 OF THE GOVERNMENT CODE, AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G. UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA) AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
- NOTIFY SDG&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDG&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES, (I.E., 69 KV & HIGHER)
- LOCATE AND RECONNECT ALL SEWER LATERALS. LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. LATERAL RECORDS ARE AVAILABLE TO THE CONTRACTOR AT THE WATER DEPARTMENT, 2797 CAMINITO CHOLLAS. LOCATE THE IMPROVEMENTS THAT WILL BE AFFECTED BY LATERAL REPLACEMENTS.
- EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE, THE SIZE OF EACH SERVICE BEFORE TAPPING MAIN.
- CITY FORCES, WHEN SPECIFIED OR SHOWN ON THE PLANS, WILL MAKE PERMANENT CUTS & PLUGS AND CONNECTIONS.
- KEEP EXISTING MAINS IN SERVICE IN LIEU OF HIGH-LINING, UNLESS OTHERWISE SPECIFIED SHOWN ON PLANS.
- THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
- STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
- UNLESS OTHERWISE NOTED AS PREVIOUSLY POTHOLED (PH), ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION ONLY AND ARE SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE CITY DOES NOT GUARANTEE THAT IT HAS REVIEWED ALL AVAILABLE DATA. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES EITHER SHOWN ON THE PLANS OR MARKED IN THE FIELD IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 5-UTILITIES.
- EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT REPRESENTATIVE OF ACTUAL LENGTH AND LOCATION OF CONFLICT AREAS. SEE PLAN VIEW.
- ALL ADVANCE METERING INFRASTRUCTURE (AM) DEVICES ATTACHED TO THE WATER METER OR LOCATED IN OR NEAR WATER METER BOXES, COFFINS, OR VAULTS SHALL BE PROTECTED AT ALL TIMES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- FOR COORDINATION OF THE SHUTDOWN OF TRANSMISSION MAINS (6 INCHES AND LARGER), CONTACT THE CITY'S SENIOR WATER DISTRIBUTION OPERATIONS SUPERVISOR AT (619) 527-7438. FOR COORDINATION OF THE SHUTDOWN OF DISTRIBUTION MAINS (LESS THAN 16 INCHES), CONTACT THE CITY'S WATER OPERATIONS DISTRICT MANAGER AT (619) 527-3945
- PROVIDE A CORROSION PREVENTATIVE COATING ON ALL BURIED DUCTILE IRON PIPE AND FITTINGS INCLUDING ALL BENDS, TEES, CROSSES, FLEX COUPLINGS, FLANGE BOLTS AND VALVES PER CONTRACT SPECIFICATIONS.
- IF CROSSING A NON-POTABLE PIPELINE, NEW WATER MAIN SHALL BE CONSTRUCTED NO LESS THAN 45-DEGREES TO AND AT LEAST ONE FOOT ABOVE THAT PIPELINE. NO CONNECTION JOINTS SHALL BE MADE IN THE WATER MAIN WITHIN EIGHT HORIZONTAL FEET OF THE FLUID PIPELINE, UNLESS OTHERWISE INDICATED ON THE PLANS.

CONSTRUCTION STORM WATER PROTECTION NOTES

- TOTAL SITE DISTURBANCE AREA (ACRES) .659
HYDROLOGIC UNIT/ WATERSHED PENASQUITOS/ SAN DIEGO
- HYDROLOGIC SUBAREA NAME & NO. MIRAMAR / 906.4
THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE
 WPCP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100
 SWPPP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ
TRADITIONAL: RISK LEVEL 1 2 3
LUP: RISK TYPE 1 2 3
- CONSTRUCTION SITE PRIORITY
 ASBS HIGH MEDIUM LOW

ABBREVIATIONS

ABAND	ABANDON	HDPE	HIGH-DENSITY POLYETHYLENE
ABAND'D	ABANDONED	HP	HIGH PRESSURE
AC	ASBESTOS CEMENT PIPE	IE	INVERT ELEVATION
AHD	AHEAD	LT	LEFT
ASSY	ASSEMBLY	MJ	MECHANICAL JOINT
BFV	BUTTERFLY VALVE	MTS	SAN DIEGO METROPOLITAN TRANSIT SYSTEM
BK	BACK	MTD	MULTIPLE TELEPHONE DUCT
BTWN	BETWEEN	N/O	NORTH OF
CATV	CABLE TV	OVHD	OVER HEAD
CI	CAST IRON PIPE	PVC	POLYVINYL CHLORIDE
C	CENTER LINE	PROP	PROPOSED
COND	CONDUIT	RED	REDUCER
CONT	CONTINUED	RT	RIGHT
CONTR	CONTRACTOR	S	SURVEY LINE
DB	DIRECT BURIED	SD&AE	SAN DIEGO & ARIZONA EASTERN RAILROAD
DI	DUCTILE IRON	SDTI	SAN DIEGO TROLLEY INC.
EB	ENCASED BURIED	SO	STUB OUT
EL, ELEV	ELEVATION	S/O	SOUTH OF
ELEC	ELECTRIC	SWR	SEWER
EX, EXIST	EXISTING	TEL	TELEPHONE
E/O	EAST OF	UNK	UNKNOWN
F	FLANGE	VC	VITRIFIED CLAY PIPE
FH	FIRE HYDRANT	WM	WATER METER
FS	FIRE SERVICE	WTR	WATER
GV	GATE VALVE	W/O	WEST OF

AC WATER AND SEWER GROUP 1042

SHEET INDEX

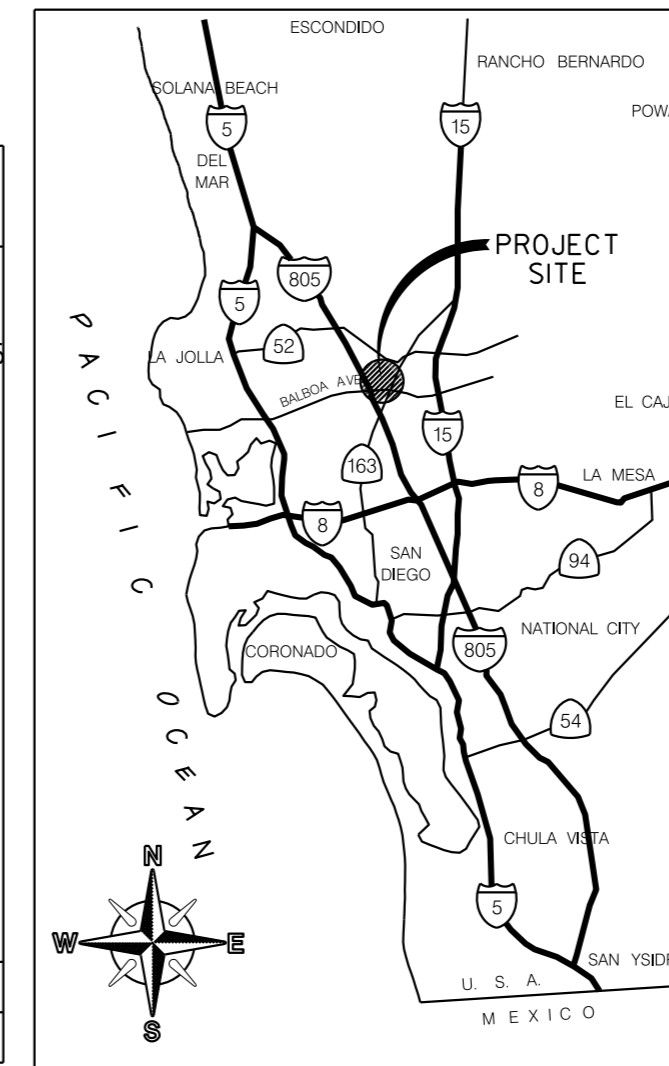
SHEET NO.	DISCIPLINE CODE	TITLE	LIMITS	PIPE		LENGTH (FT)
				SIZE (IN)	MATERIAL	
1	G-1	COVER SHEET	WATER			
2	C-1	CONVOY ST	KEARNY MESA RD TO OTHELLO AVE	20/16/12	-	25/800/25
3	C-2	CONVOY ST	KEARNY MESA RD TO OTHELLO AVE	16	-	700.00
4	C-3	CONVOY ST	OTHELLO AVE TO ARMOUR AVE	16	-	800.00
5	C-4	CONVOY ST	OTHELLO AVE TO BALBOA AVE	16	-	700.00
6	C-5	CONVOY ST	ARMOUR AVE TO DAGGET ST	16	-	800.00
7	C-6	CONVOY ST	BALBOA AVE TO OPPORTUNITY RD	16	-	700.00
8	C-7	CONVOY ST	DAGGET ST TO VICKERS ST	16	-	800.00
9	C-8	CONVOY ST	ENGINEER RD TO RAYTHEON RD	16/12	-	800/130
10	C-9	CONVOY ST	RONSON RD TO CLAIREMONT MESA BL	16	-	800.00
11	C-10	CONVOY ST	RAYTHEON RD TO CONVOY CT	16	-	800.00
12	C-11	CONVOY ST	CLAIREMONT MESA BL TO COPLEY PARK PL	16	-	800.00
13	C-12	CONVOY ST	COPLEY PARK PL TO SR-52	16	-	426
14	C-13	CONVOY ST	SEWER	10	-	290.36
15	C-14	CONVOY ST	SEWER	12	-	347.10
16-18	C-15-C-17	CITY FORCES				TOTAL WATER 9065
19	C-18	THRUST BLOCK TABLE				TOTAL SEWER 637
20	C-19	WATER ABANDONMENT				
21-25	C-20-C-24	CURB RAMP LOCATION				
26-28	C-25-C-27	CHLORINATION DISCHARGE LOCATIONS				
29	C-28	MONUMENT PERPETUATION				
30-31	C-29-C-30	HORIZONTAL ALIGNMENT				
T-1 - T-40		TRAFFIC PLANS				

DISCIPLINE CODE

- G GENERAL
- C CIVIL
- T TRAFFIC CONTROL

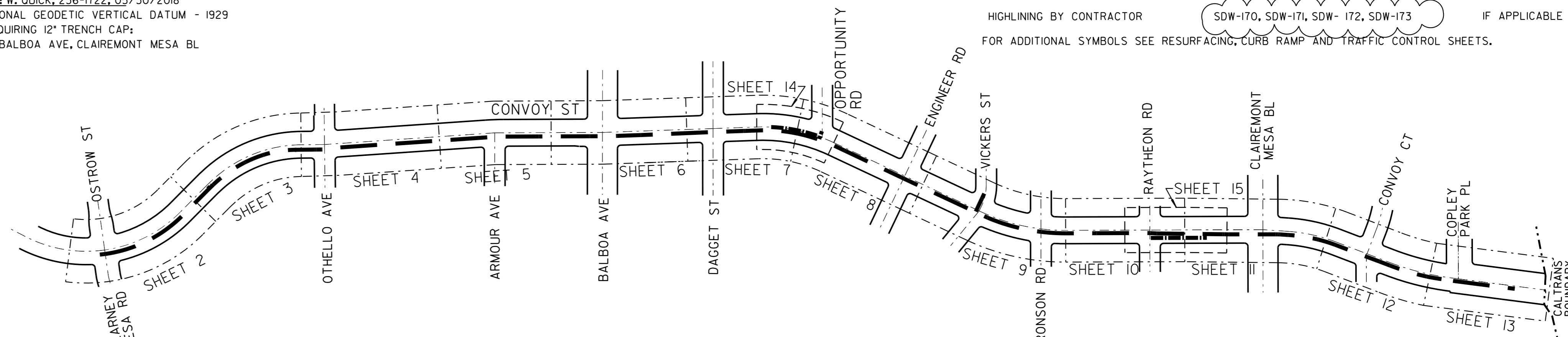
VICINITY MAP

NOT TO SCALE



FIELD DATA

TOPOGRAPHIC SOURCE: BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON MAY 30, 2018, WORK ORDER NO. B-17177/B-17176
BENCHMARK: (404.32) SEBP CONVOY ST/RONSON RD
FIELD NOTES: W, QUICK, 236-1722, 05/30/2018
DATUM: NATIONAL GEODETIC VERTICAL DATUM - 1929
STREETS REQUIRING 12" TRENCH CAP:
CONVOY ST, BALBOA AVE, CLAIREMONT MESA BL

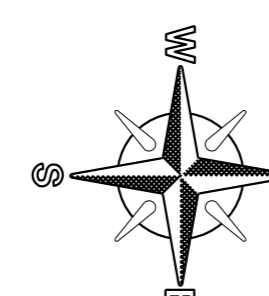


EXISTING STRUCTURES

EX WATER MAIN & VALVES	---	EX GROUND LINE (PROFILE)	=====
EX WATER METER	---	EX TRAFFIC SIGNAL	○ X T S
EX FIRE HYDRANT	○	EX STREET LIGHT	+
EX SEWER MAIN & MANHOLES	---	GAS MAIN	---
EX DRAINS	---	ELEC. COND., TEL. COND., CATV	---E---T---C---
EX PAVEMENT (PROFILE)	=====	RAILROAD, TROLLEY TRACKS	=====

LEGEND:

PROPOSED WATER	---
PROPOSED SEWER	---
WATER SHEETS	---
SEWER SHEETS	---



KEY MAP

NO SCALE

WORK TO BE DONE
CONSTRUCTION OF AC WATER AND SEWER GROUP 1042 CONSISTS OF THE INSTALLATION OF APPROXIMATELY 9,065 LINEAR FEET OF 16-INCH PVC WATER MAINS, REPLACING EXISTING 12-INCH AC WATER MAINS; AND THE INSTALLATION OF WATER SERVICES, FIRE SERVICES AND FIRE HYDRANTS, AND APPROXIMATELY 637 LINEAR FEET OF PVC SEWER MAINS, REPLACING EXISTING 12-INCH VC CONCRETE ENCASED SEWER MAINS; AND THE INSTALLATION OF SEWER MANHOLES; AND ALL OTHER WORK AND APPURTENANCES IN ACCORDANCE WITH THESE SPECIFICATIONS AND DRAWINGS, NUMBERED 40350-01-D THROUGH 40350-31-D. FINAL STREET RESURFACING IS NOT INCLUDED AS PART OF THE PROJECT.

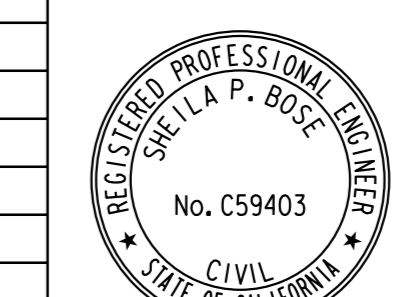
LEGEND

IMPROVEMENTS	REFERENCE	SYMBOL
TRENCH RESURFACING	SDG-107, SDG-8	---
SEWER MAIN	SDS-101, SDS-110 (TYPE C)	---
SEWER MANHOLE/PVC LINED	SDS-106, SDS-107, SDS-108, SDM-113, SDS-120, M-3, SM-07	---
4" SEWER LATERAL WITH C.O. UNLESS OTHERWISE SPECIFIED	SDS-102, SDS-103, SDS-104, SDS-105, SDS-110 (TYPE C), SDS-118	---
PIPE SUPPORT FOR UNDERCUT AC WATER MAIN	SDW-162	---
CONCRETE ENCASEMENT	SDS-112	---
SLURRY FILL ABANDONED SEWER MAIN	SEE PLANS & SPECS	---
CUTTING AND PLUGGING ABANDONED WATER MAIN	WP-03	---
SURVEY MONUMENT	M-10, M-10A, M-10B	---
WATER MAIN & APPURTENANCES	SDM-105, SDW-110, SDW-151, SDW-161	---
VALVES WITH CAPS AND WELLS	SDW-109, SDW-152, SDW-153, WV-05	---
FIRE SERVICE CONNECTION & ASSEMBLY	SDM-105, SDW-109, SDW-118, SDW-152, SDW-153	---
6" FIRE HYDRANT ASSEMBLY & MARKER 2-PORT UNLESS SPECIFIED AS 3-PORT	SDM-105, SDW-104, SDW-109, SDW-152, SDW-153	---
1" WATER SERVICE UNLESS OTHERWISE SPECIFIED	SDM-105, SDW-107, SDW-134, SDW-135, SDW-136, SDW-137, SDW-138, SDW-149, SDW-150, WS-03	---
HIGHLIGHTING BY CONTRACTOR	SDW-170, SDW-171, SDW-172, SDW-173	---

FOR ADDITIONAL SYMBOLS SEE RESURFACING, CURB RAMP AND TRAFFIC CONTROL SHEETS.

PLANS FOR THE CONSTRUCTION OF AC WATER AND SEWER GROUP 1042 COVER SHEET

SPEC. NO. 1737	CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 1 OF 31 SHEETS	WATER WBS B-17177 SEWER WBS B-17176
DATE 12/21/18	DESIGNED BY SHEILA BOSE	CHECKED BY JENNY JARRELL
DATE 2/19/19	BY JJ/JJ	DATE 2/19/19
DATE COMPLETED	DATE STARTED	DATE COMPLETED



CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.
A	2/13/19	1, 2, 3, 7, 9, 11, 12, 13	

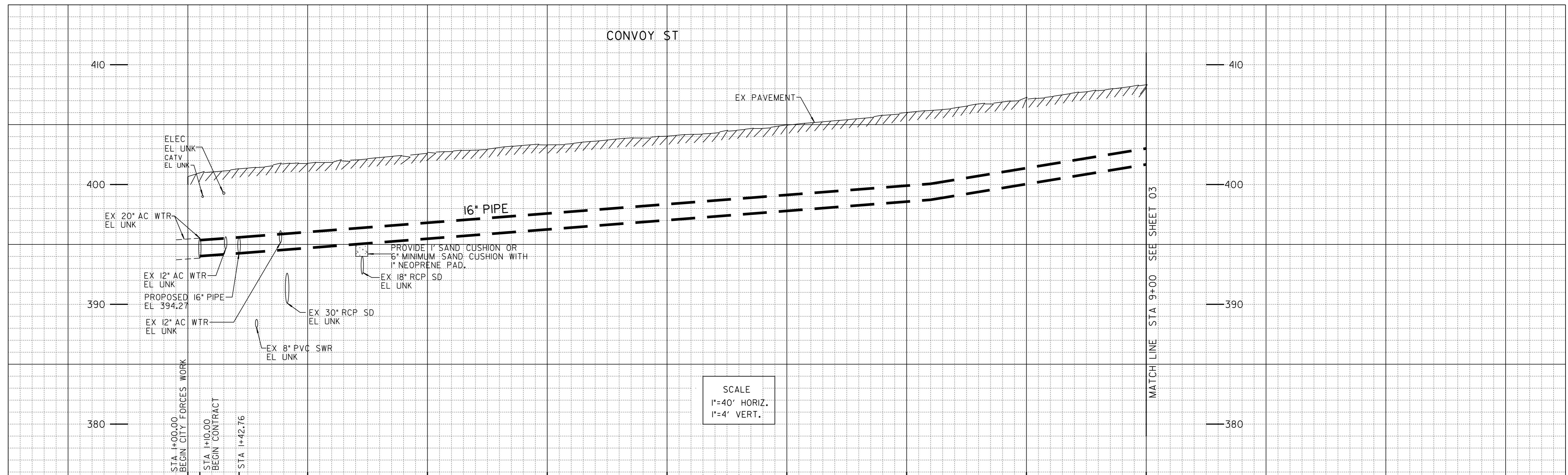
WARNING
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



AS-BUILT INFORMATION	
MATERIALS	MANUFACTURER
PIPE CL 235 (WATER)	-
PIPE SDR 35 (SEWER)	-
GATE VALVES	-
FIRE HYDRANTS	-
SEWER MANHOLES	-
REHABILITATE SEWER MANHOLES	-
REHABILITATE SEWER MAIN	-

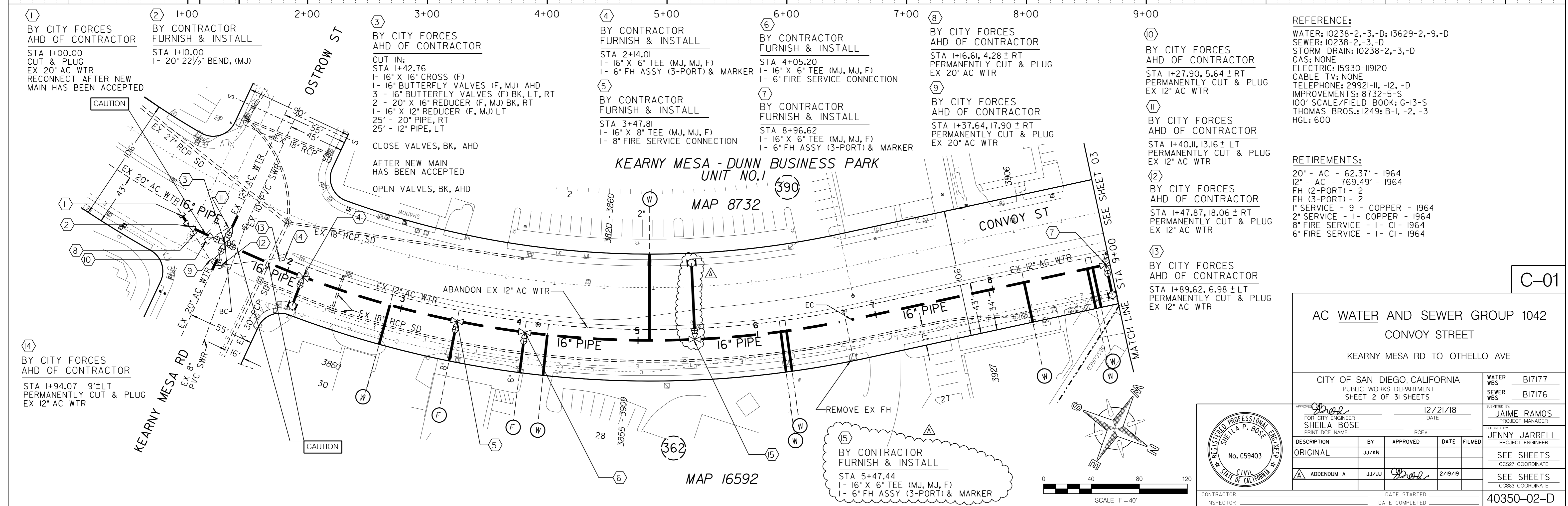
AC WATER AND SEWER GROUP 1042

CONVOY ST



SCALE
1"=40' HORIZ.
1"=4' VERT.

MATCH LINE STA 9+00 SEE SHEET 03



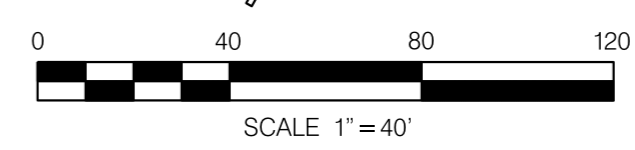
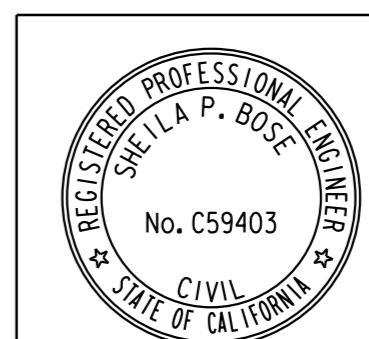
- ① BY CITY FORCES AHD OF CONTRACTOR
STA 1+00.00
CUT & PLUG
EX 20" AC WTR
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED
- ② BY CONTRACTOR FURNISH & INSTALL
STA 1+10.00
1- 20" 22 1/2" BEND, (M,J)
- ③ BY CITY FORCES AHD OF CONTRACTOR
CUT IN:
STA 1+42.76
1- 16" X 16" CROSS (F)
1- 16" BUTTERFLY VALVES (F, M,J) AHD
3- 16" BUTTERFLY VALVES (F) BK, LT, RT
2- 20" X 16" REDUCER (F, M,J) BK, RT
1- 16" X 12" REDUCER (F, M,J) LT
25'- 20" PIPE, RT
25'- 12" PIPE, LT
CLOSE VALVES, BK, AHD
AFTER NEW MAIN HAS BEEN ACCEPTED
OPEN VALVES, BK, AHD
- ④ BY CONTRACTOR FURNISH & INSTALL
STA 2+14.01
1- 16" X 6" TEE (M,J, M,J, F)
1- 6" FH ASSY (3-PORT) & MARKER
- ⑤ BY CONTRACTOR FURNISH & INSTALL
STA 3+47.81
1- 16" X 8" TEE (M,J, M,J, F)
1- 8" FIRE SERVICE CONNECTION
- ⑥ BY CONTRACTOR FURNISH & INSTALL
STA 4+05.20
1- 16" X 6" TEE (M,J, M,J, F)
1- 6" FIRE SERVICE CONNECTION
- ⑦ BY CONTRACTOR FURNISH & INSTALL
STA 8+96.62
1- 16" X 6" TEE (M,J, M,J, F)
1- 6" FH ASSY (3-PORT) & MARKER
- ⑧ BY CITY FORCES AHD OF CONTRACTOR
STA 1+16.61, 4.28 ± RT
PERMANENTLY CUT & PLUG
EX 20" AC WTR
- ⑨ BY CITY FORCES AHD OF CONTRACTOR
STA 1+37.64, 17.90 ± RT
PERMANENTLY CUT & PLUG
EX 20" AC WTR
- ⑩ BY CITY FORCES AHD OF CONTRACTOR
STA 1+27.90, 5.64 ± RT
PERMANENTLY CUT & PLUG
EX 12" AC WTR
- ⑪ BY CITY FORCES AHD OF CONTRACTOR
STA 1+40.11, 13.16 ± LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR
- ⑫ BY CITY FORCES AHD OF CONTRACTOR
STA 1+47.87, 18.06 ± RT
PERMANENTLY CUT & PLUG
EX 12" AC WTR
- ⑬ BY CITY FORCES AHD OF CONTRACTOR
STA 1+89.62, 6.98 ± LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

REFERENCE:
WATER: 10238-2,-3,-D; 13629-2,-9,-D
SEWER: 10238-2,-3,-D
STORM DRAIN: 10238-2,-3,-D
GAS: NONE
ELECTRIC: 15930-119120
CABLE TV: NONE
TELEPHONE: 29921-11, -12, -D
IMPROVEMENTS: 8732-5-5
100' SCALE/FIELD BOOK: G-13-S
THOMAS BROS.: 1249; B-1, -2, -3
HGL: 600

RETIREMENTS:
20" - AC - 62.37' - 1964
12" - AC - 769.49' - 1964
FH (2-PORT) - 2
FH (3-PORT) - 2
1" SERVICE - 9 - COPPER - 1964
2" SERVICE - 1 - COPPER - 1964
8" FIRE SERVICE - 1 - CI - 1964
6" FIRE SERVICE - 1 - CI - 1964

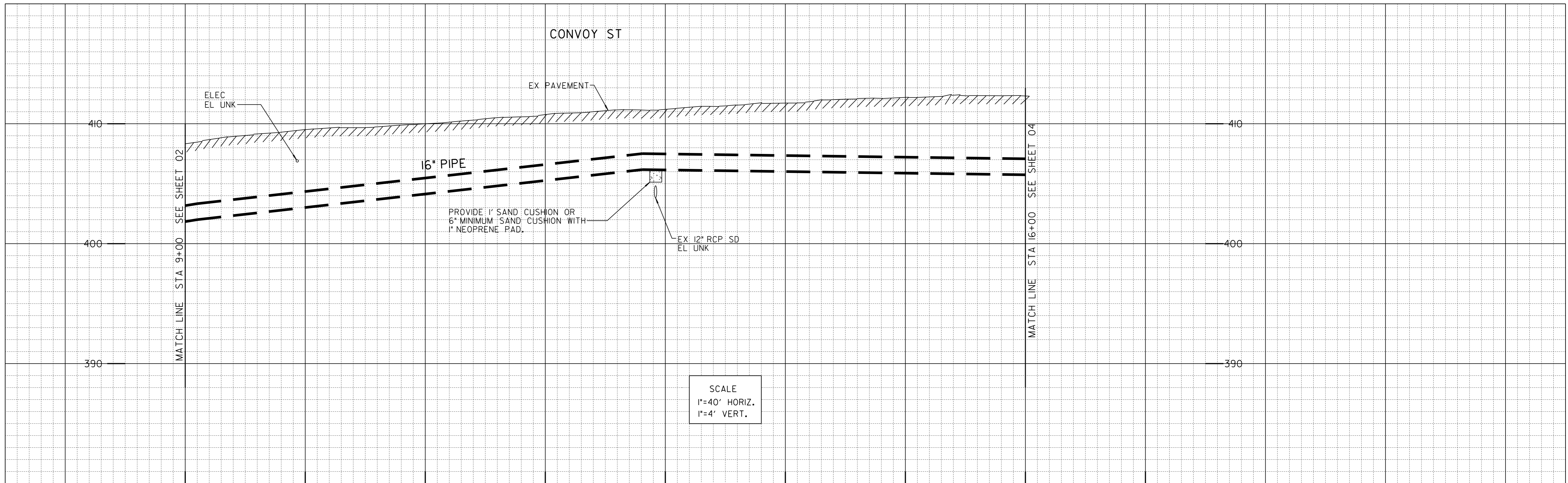
AC WATER AND SEWER GROUP 1042
CONVOY STREET
KEARNY MESA RD TO OTHELLO AVE

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 2 OF 31 SHEETS		WATER WBS BI7177 SEWER WBS BI7176
APPROVED FOR CITY ENGINEER SHEILA BOSE DATE 12/21/18	PROJECT MANAGER JAIME RAMOS	ORDERED BY JENNY JARRELL PROJECT ENGINEER
DESCRIPTION ORIGINAL	BY JJ/JN	APPROVED
ADDENDUM A	JJ/JJ	DATE 2/19/19
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED
40350-02-D		



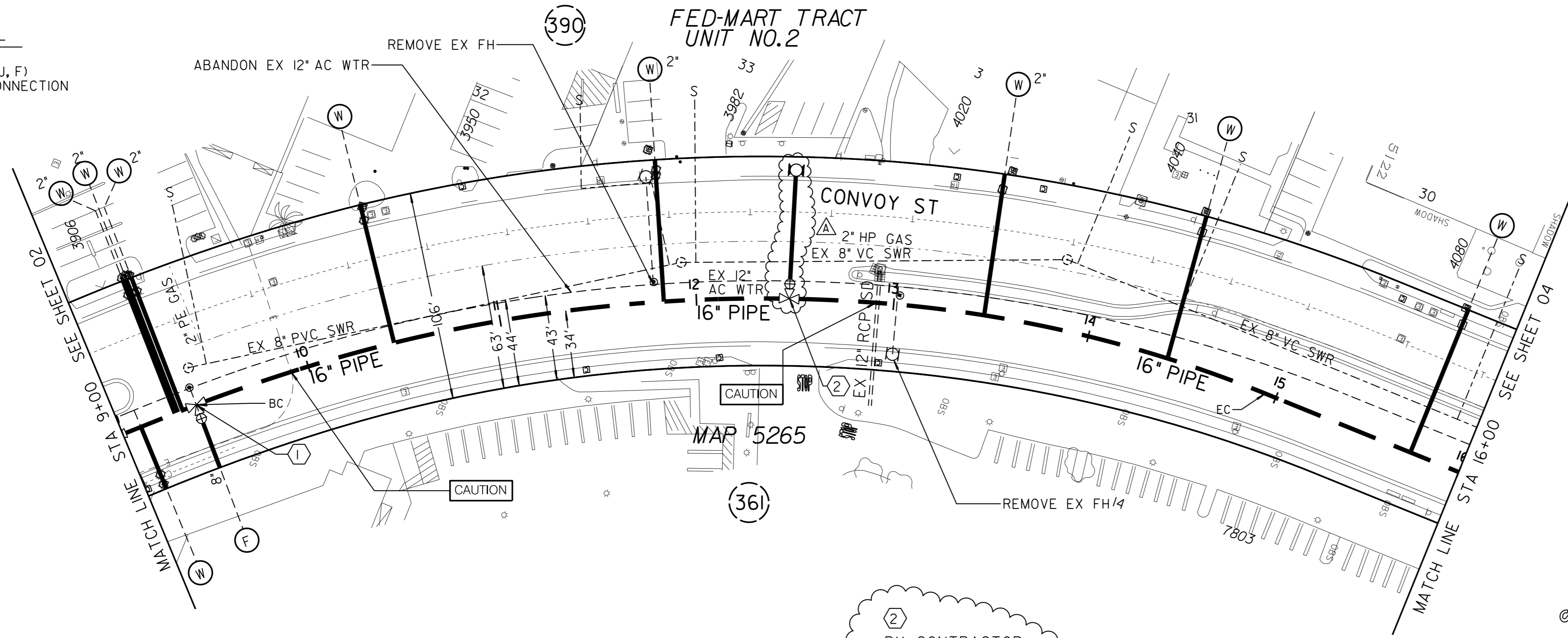
CONVOY STREET

C-01



SCALE
 1"=40' HORIZ.
 1"=4' VERT.

①
 BY CONTRACTOR
 FURNISH & INSTALL
 STA 9+40.02
 1- 16" X 8" TEE (MJ, MJ, F)
 1- 8" FIRE SERVICE CONNECTION



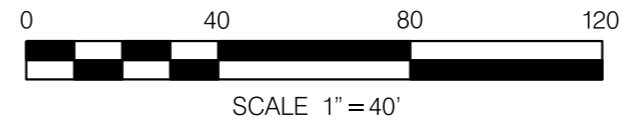
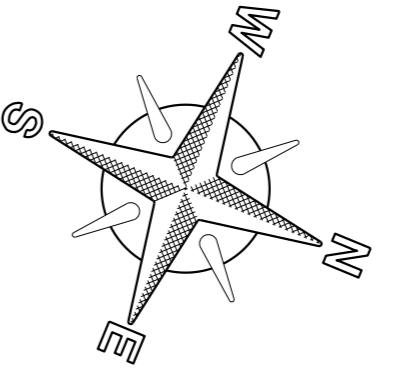
②
 BY CONTRACTOR
 FURNISH & INSTALL
 STA 12+41.96
 1- 16" X 6" TEE (MJ, MJ, F)
 1- 6" FH ASSY (3-PORT) & MARKER

REFERENCE:
 WATER: I0238-D, I3629-D
 SEWER: I7416-2-D
 STORM DRAIN: I7416-2-D, 25594-2-D
 GAS: I5930-I19120
 ELECTRIC: I5930-I19120
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 24780-D, 25994-D
 100' SCALE/FIELD BOOK: G-13-S
 THOMAS BROS.: I249: B-1, -2, -3
 HGL: 600

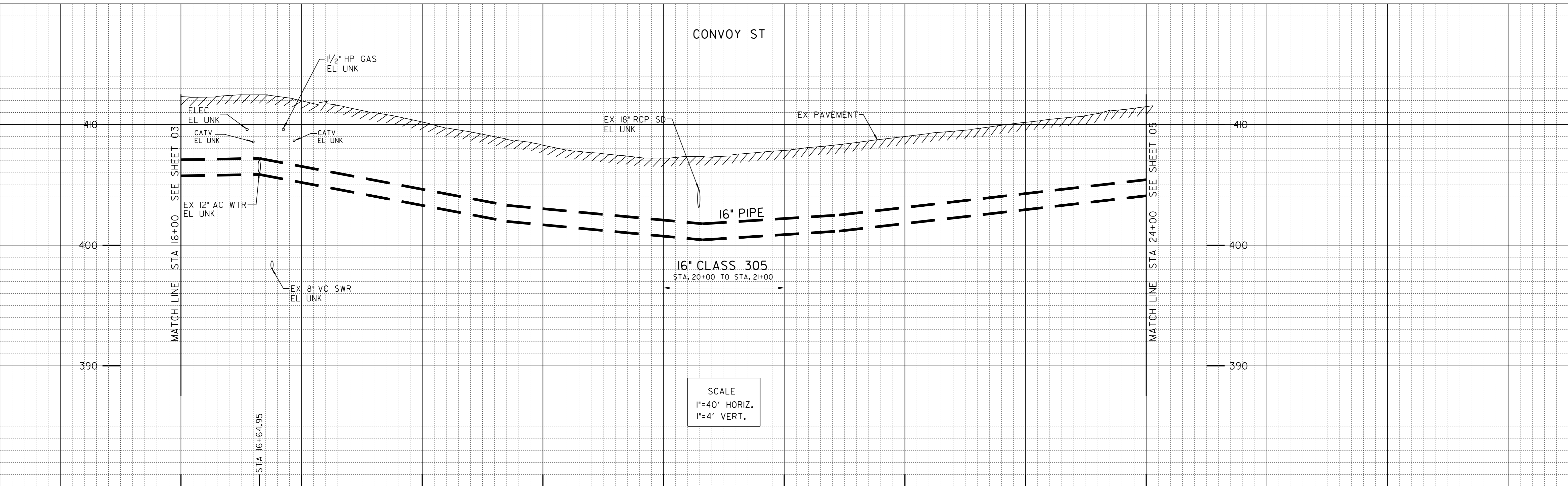
RETIREMENTS:
 12" - AC - 700' - 1964
 FH (2-PORT) - 1
 FH (3-PORT) - 1
 1" SERVICE - 6 - COPPER - 1964
 2" SERVICE - 5 - COPPER 1964
 8" FIRE SERVICE - 1 - CI - 1964

C-02

AC WATER AND SEWER GROUP 1042 CONVOY STREET KEARNY MESA RD TO OTHELLO AVE		WATER WBS	BI7177
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 3 OF 31 SHEETS		SEWER WBS	BI7176
APPROVED BY SHEILA BOSE FOR CITY ENGINEER	DATE 12/21/18	DESIGNED BY JAIME RAMOS PROJECT MANAGER	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	JJ/KN		
ADDENDUM A	JJ/JJ		2/19/19
SEE SHEETS CCS27 COORDINATE			
SEE SHEETS CCS83 COORDINATE			
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
		40350-03-D	

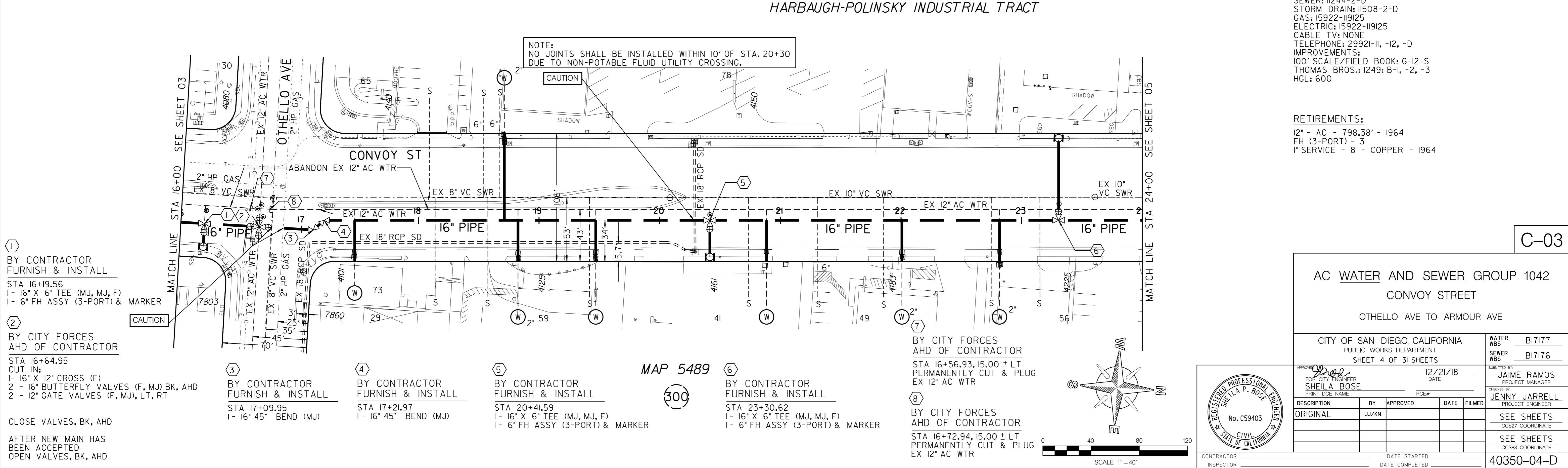


CONVOY STREET



16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00

HARBAUGH-POLINSKY INDUSTRIAL TRACT



REFERENCE:
 WATER: I1508-5-D
 SEWER: I1244-2-D
 STORM DRAIN: I1508-2-D
 GAS: I5922-I19125
 ELECTRIC: I5922-I19125
 CABLE TV: NONE
 TELEPHONE: 2992I-II, -I2, -D
 IMPROVEMENTS:
 100' SCALE/FIELD BOOK: G-I2-S
 THOMAS BROS.: I249: B-1, -2, -3
 HGL: 600

RETIREMENTS:
 12" - AC - 798.38' - 1964
 FH (3-PORT) - 3
 1" SERVICE - 8 - COPPER - 1964

- ① BY CONTRACTOR FURNISH & INSTALL
 STA 16+19.56
 1- 16" X 6" TEE (MJ, MJ, F)
 1- 6" FH ASSY (3-PORT) & MARKER
- ② BY CITY FORCES AHD OF CONTRACTOR
 STA 16+64.95
 CUT IN:
 1- 16" X 12" CROSS (F)
 2 - 16" BUTTERFLY VALVES (F, MJ) BK, AHD
 2 - 12" GATE VALVES (F, MJ), LT, RT

③ BY CONTRACTOR FURNISH & INSTALL
 STA 17+09.95
 1- 16" 45° BEND (MJ)

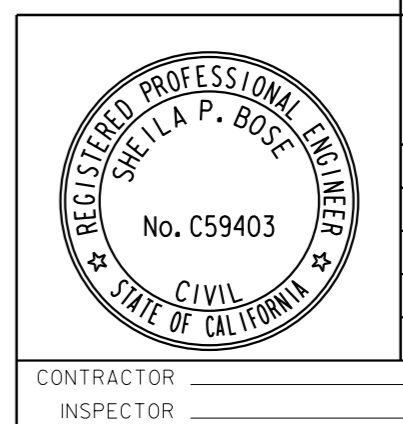
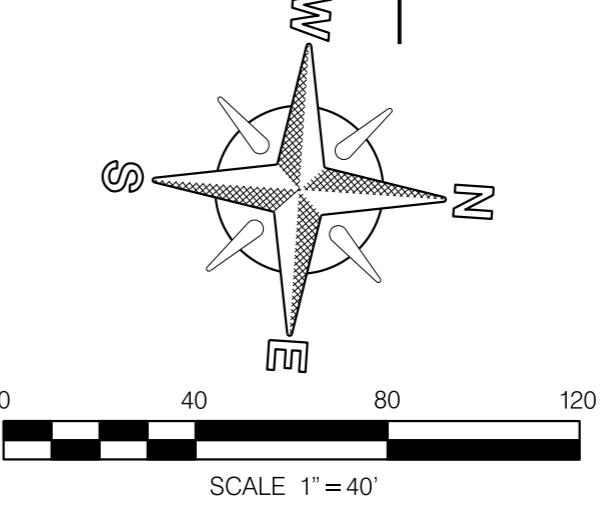
④ BY CONTRACTOR FURNISH & INSTALL
 STA 17+21.97
 1- 16" 45° BEND (MJ)

⑤ BY CONTRACTOR FURNISH & INSTALL
 STA 20+41.59
 1- 16" X 6" TEE (MJ, MJ, F)
 1- 6" FH ASSY (3-PORT) & MARKER

MAP 5489
 300

⑥ BY CONTRACTOR FURNISH & INSTALL
 STA 23+30.62
 1- 16" X 6" TEE (MJ, MJ, F)
 1- 6" FH ASSY (3-PORT) & MARKER

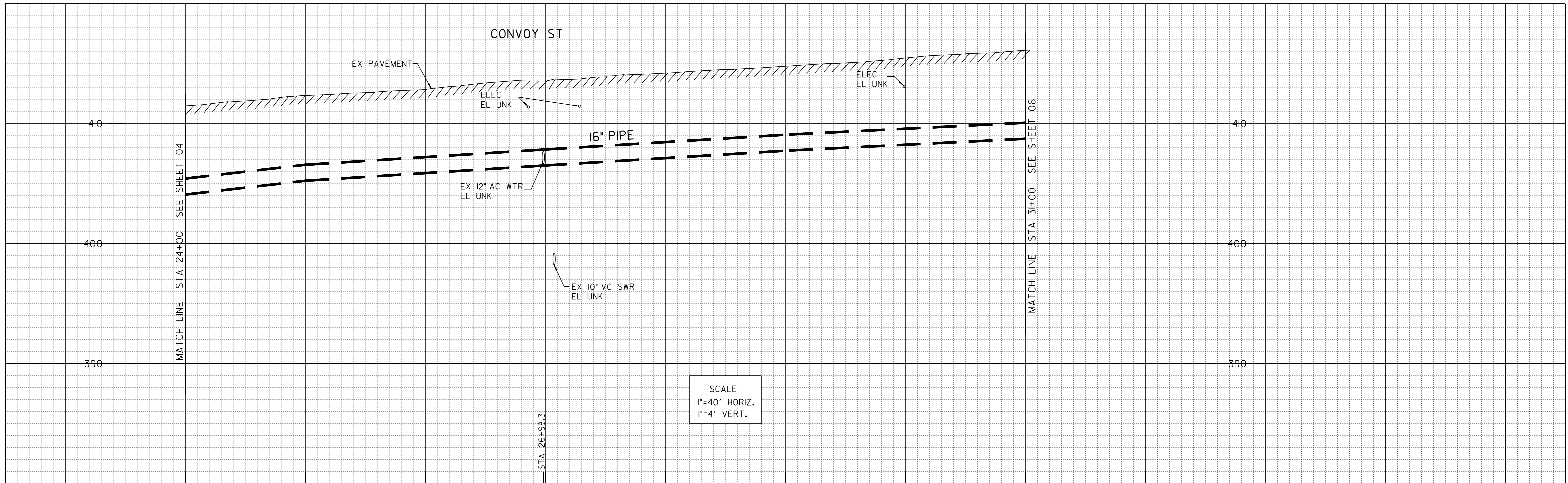
⑦ BY CITY FORCES AHD OF CONTRACTOR
 STA 16+56.93, 15.00 ± LT
 PERMANENTLY CUT & PLUG
 EX 12" AC WTR



AC WATER AND SEWER GROUP 1042 CONVOY STREET OTHELLO AVE TO ARMOUR AVE				
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 4 OF 31 SHEETS			WATER WBS: B17177	SEWER WBS: B17176
APPROVED: <i>Sheila Bose</i> FOR CITY ENGINEER SHEILA BOSE DATE: 12/21/18			DESIGNED BY: JAIME RAMOS PROJECT MANAGER	
DRAWN BY: JENNY JARRELL PROJECT ENGINEER			CHECKED BY: SEE SHEETS CCS27 COORDINATE	
DESCRIPTION			DATE STARTED	
ORIGINAL			DATE COMPLETED	
BY: JJ/XN			40350-04-D	
APPROVED:			CONTRACTOR INSPECTOR	

CONVOY STREET

C-03



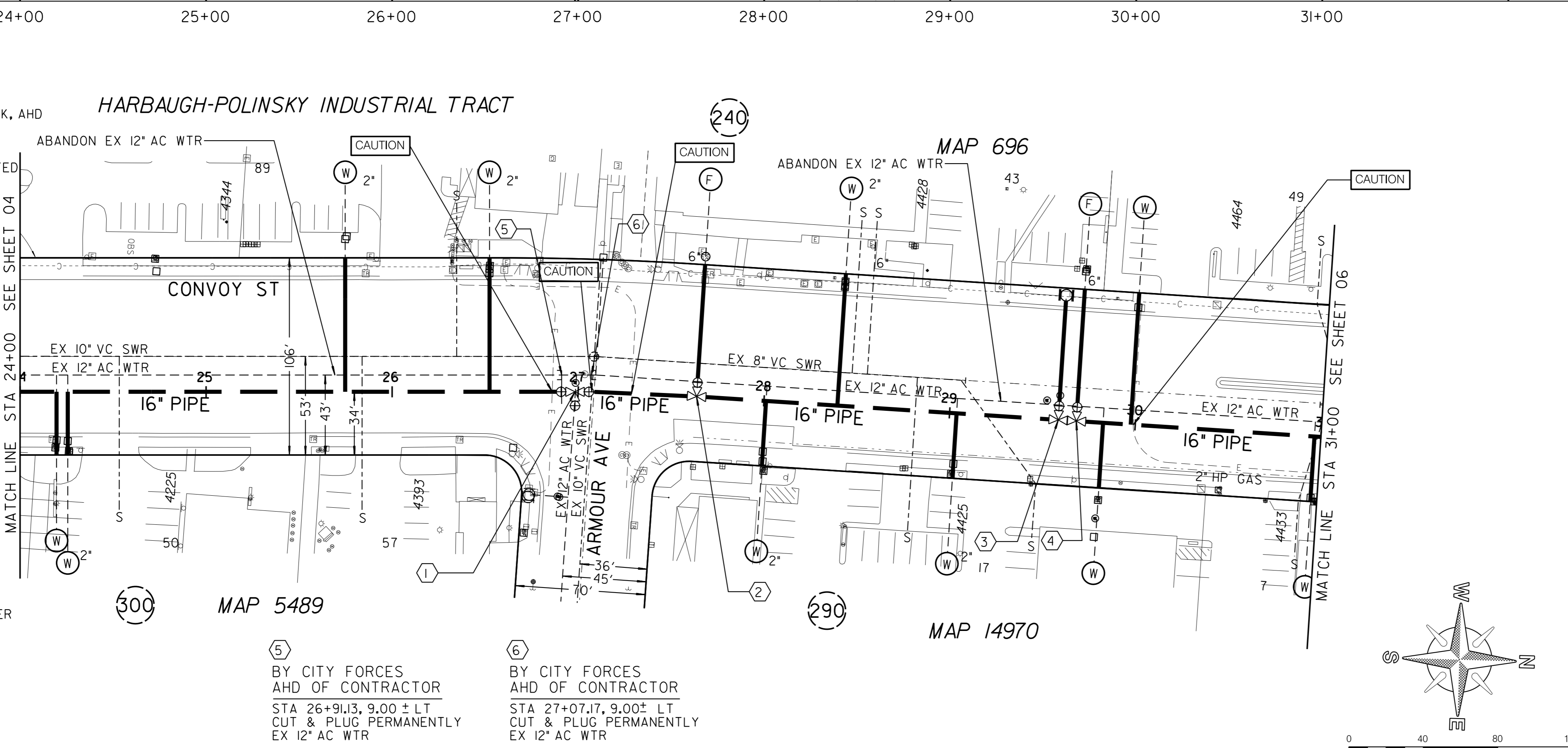
① BY CITY FORCES
AHD OF CONTRACTOR
STA 26+98.31
CUT IN:
1- 16" X 12" TEE (F)
2- 16" BUTTERFLY VALVES (F, MJ) BK, AHD
1- 12" GATE VALVES (F, MJ), RT

CLOSE VALVES, BK AHD
AFTER NEW MAIN HAS BEEN ACCEPTED
OPEN VALVES, BK, AHD

② BY CONTRACTOR
FURNISH & INSTALL
STA 27+63.72
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FIRE SERVICE CONNECTION

③ BY CONTRACTOR
FURNISH & INSTALL
STA 29+58.54
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER

④ BY CONTRACTOR
FURNISH & INSTALL
STA 29+68.27
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FIRE SERVICE CONNECTION



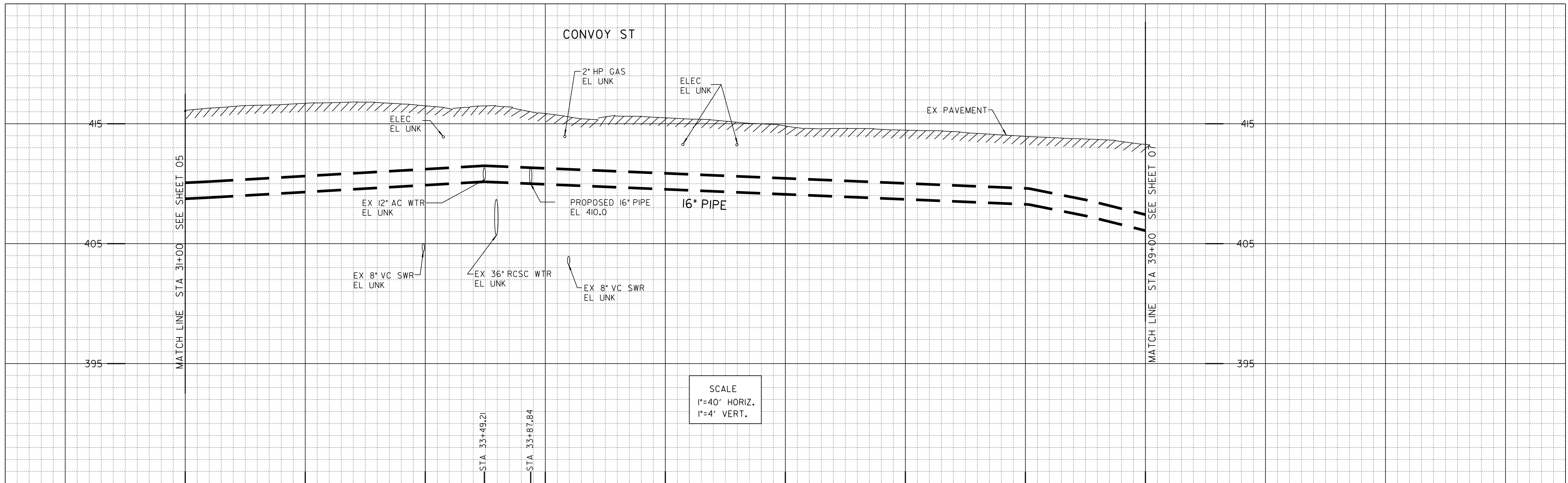
REFERENCE:
WATER: I1508-6, -7, -D
SEWER: I1508-2, -3, -D
STORM DRAIN: NONE
GAS: I5922-I19130
ELECTRIC: I5922-I19135
CABLE TV: NONE
TELEPHONE: 29921-II, -I2, -D
IMPROVEMENTS: I1508-D
100' SCALE/FIELD BOOK: G-I2-S
THOMAS BROS.: I249: B-1, -2, -3
HGL: 600

RETIREMENTS:
12" - AC - 700.55' - 1964
FH (3-PORT) - 1
1" SERVICE - 9 - COPPER - 1964
2" SERVICE - 2 - COPPER - 1964
4" FIRE SERVICE - 1 - CI - 1964
6" FIRE SERVICE - 1 - CI - 1964
8" FIRE SERVICE - 1 - CI - 1964

AC WATER AND SEWER GROUP 1042
CONVOY STREET
OTHELLO AVE TO BALBOA AVE

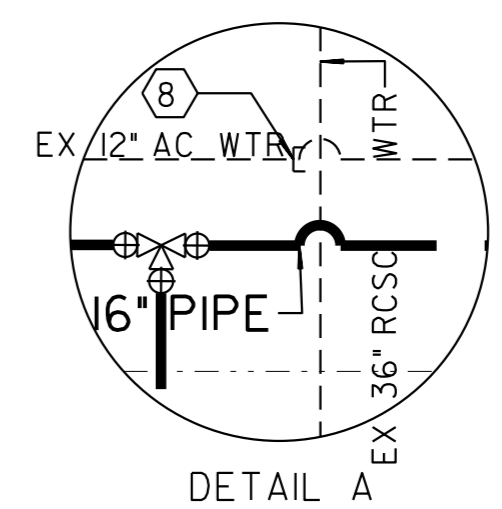
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 5 OF 31 SHEETS		WATER WBS: BI7177 SEWER WBS: BI7176
APPROVED BY: SHEILA BOSE FOR CITY ENGINEER DATE: 12/21/18	DESIGNED BY: JENNY JARRELL PROJECT ENGINEER	CONTRACTOR: _____ INSPECTOR: _____
DESCRIPTION: ORIGINAL	BY: JJ/XN	APPROVED: _____
DATE: _____	FILED: _____	DATE STARTED: _____
DATE COMPLETED: _____	40350-05-D	

CONVOY STREET



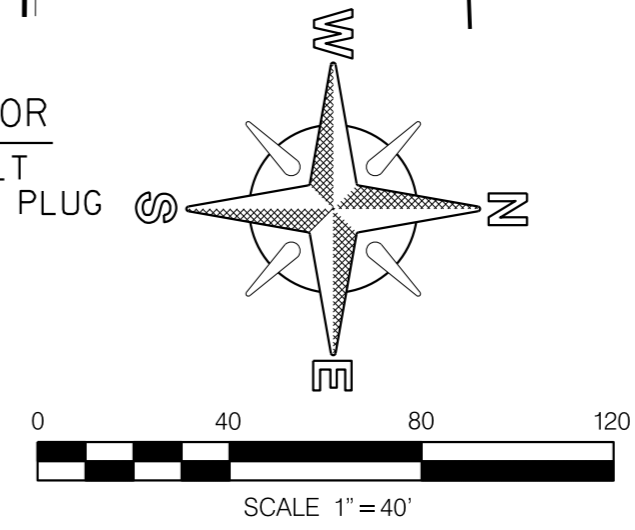
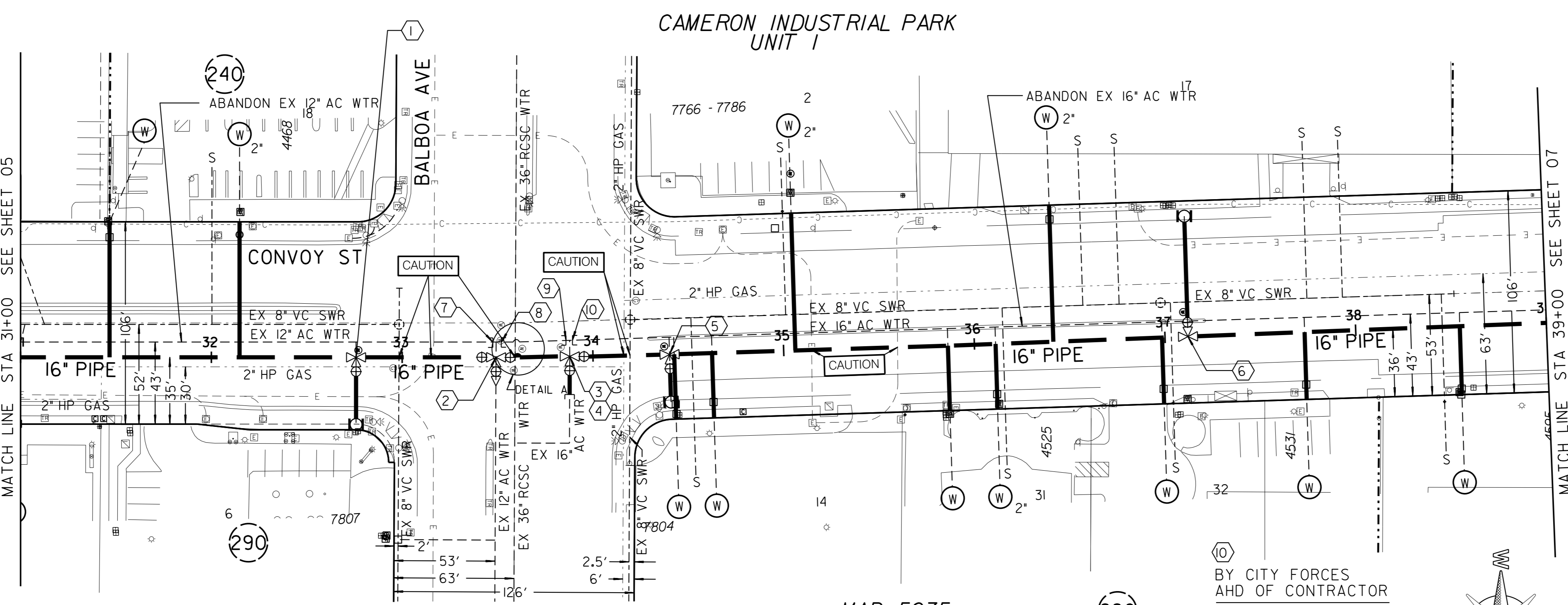
SCALE
1"=40' HORIZ.
1"=4' VERT.

- ① BY CONTRACTOR FURNISH & INSTALL
STA 32+75.83
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER
- ② BY CITY FORCES AHD OF CONTRACTOR
STA 33+49.21
CUT IN:
1- 16" X 16" TEE (F)
2 - 16" BUTTERFLY VALVES (F, MJ)
BK, AHD
1- 16" BUTTERFLY VALVE (F), RT
1- 16" X 12" REDUCER (F, MJ), RT
CLOSE VALVES, BK, AHD
AFTER NEW MAIN HAS BEEN ACCEPTED OPEN VALVES, BK, AHD
- ③ BY CITY FORCES AHD OF CONTRACTOR
STA 33+87.84
CUT AND PLUG:
EX 16" AC WTR, 20"±RT
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED
- ④ BY CONTRACTOR FURNISH & INSTALL
STA 33+87.84
1- 16" X 6" TEE (F)
2 - 16" BUTTERFLY VALVES (F, MJ) AHD, RT
- ⑤ BY CONTRACTOR FURNISH & INSTALL
STA 34+40.17
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER
- ⑥ BY CONTRACTOR FURNISH & INSTALL
STA 37+12.05
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER
- ⑦ BY CITY FORCES AHD OF CONTRACTOR
STA 33+40.26, 8.04 ±LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR
- ⑧ BY CITY FORCES AHD OF CONTRACTOR
STA 33+58.35, 7.89 ±LT
PERMANENTLY CUT & PLUG
EX 16" AC WTR
- ⑨ BY CITY FORCES AHD OF CONTRACTOR
STA 33+42.66 8.88'±LT
PERMANENTLY CUT & PLUG
EX 16" AC WTR



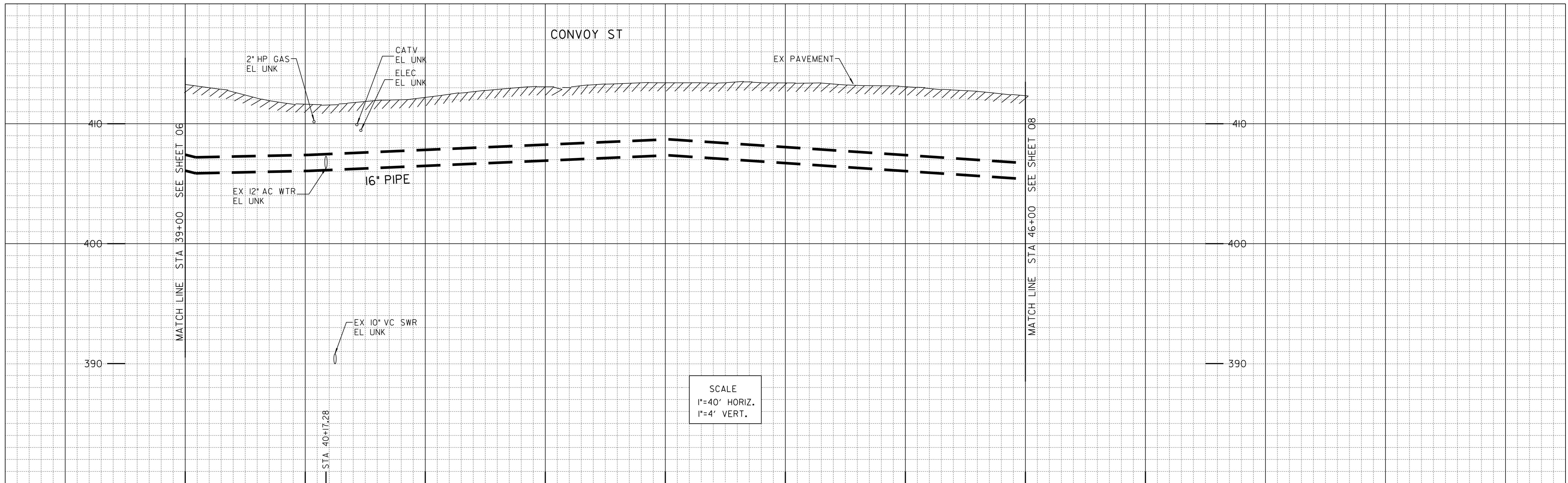
REFERENCE:
WATER: 10744-2, -3, -D, 11334-3-D, 14526-L
SEWER: 10744-2, -3, -D, 11334-3-D
STORM DRAIN: NONE
GAS: 15922-119140, 15922-119145
ELECTRIC: 15922-119140
CABLE TV: NONE
TELEPHONE: 29921-II, -12, -D
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: G-12-S
THOMAS' BROS.: 1249: B-1, -2, -3
HGL: 600

RETIREMENTS:
12" - AC - 800' - 1964
FH (3-PORT) - 3 - 1964
1" SERVICE - 7 - COPPER - 1964
2" SERVICE - 4 - COPPER - 1964



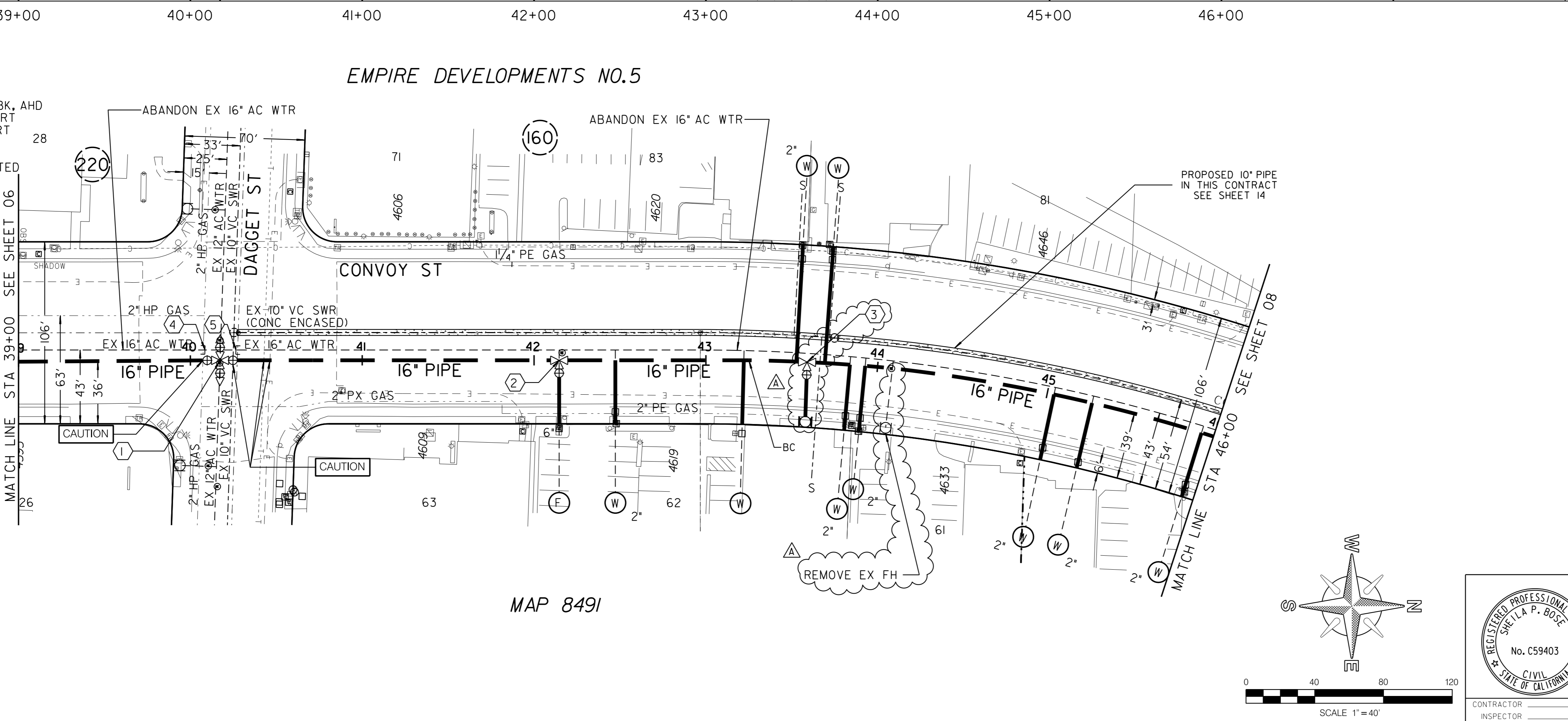
AC WATER AND SEWER GROUP 1042				
CONVOY STREET				
ARMOUR AVE TO DAGGET ST				
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 6 OF 31 SHEETS			WATER WBS: BI7177 SEWER WBS: BI7176	DESIGNED BY: JAIME RAMOS PROJECT MANAGER CHECKED BY: JENNY JARRELL PROJECT ENGINEER SEE SHEETS CCS27 COORDINATE SEE SHEETS CCS83 COORDINATE 40350-06-D
APPROVED: <i>Sheila Bose</i> FOR CITY ENGINEER SHEILA BOSE PRINTED NAME: _____ RCE#: _____			DATE: 12/21/18	
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	JJ/kn			
CONTRACTOR			DATE STARTED	
INSPECTOR			DATE COMPLETED	

CONVOY STREET



- ① CITY FORCES
AHD OF CONTRACTOR
STA 40+17.28
CUT IN:
1- 16" X 16" CROSS (F)
2- 16" BUTTERFLY VALVES (F, MJ) BK, AHD
2- 16" BUTTERFLY VALVES (F), LT, RT
2- 16" X 12" REDUCERS (F, MJ), LT, RT

CLOSE VALVES, BK, AHD
AFTER NEW, MAIN HAS BEEN ACCEPTED
OPEN VALVES, BK, AHD
- ② BY CONTRACTOR
FURNISH & INSTALL
STA 42+14.60
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FIRE SERVICE CONNECTION
- ③ BY CONTRACTOR
FURNISH & INSTALL
STA 43+58.89
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER
- ④ BY CITY FORCES
AHD OF CONTRACTOR
STA 40+08.53, 6.06 ± LT
PERMANENTLY CUT & PLUG
EX 16" AC WTR
- ⑤ BY CITY FORCES
AHD OF CONTRACTOR
STA 40+26.49, 6.00 ± LT
PERMANENTLY CUT & PLUG
EX 16" AC WTR



REFERENCE:
 WATER: 17348-3-D
 SEWER: 11446-2-D
 STORM DRAIN: NONE
 GAS: 15922-119150
 ELECTRIC: 15922-119150
 CABLE TV: NONE
 TELEPHONE: 29921-II, -I2, -D
 IMPROVEMENTS: 16145-D, 17348-D
 100' SCALE/FIELD BOOK: G-12-S
 THOMAS BROS.: 1249: B-1, -2, -3
 HGL: 600

RETIREMENTS:
 12" - AC - 700' - 1964
 FH (3-PORT) - 1
 1" SERVICE - 4 - MATERIAL - 1964
 2" SERVICE - 5 - MATERIAL - 1964
 6" FIRE SERVICE - 1 - CI - 1964

AC WATER AND SEWER GROUP 1042
CONVOY STREET
BALBOA AVE TO OPPORTUNITY RD

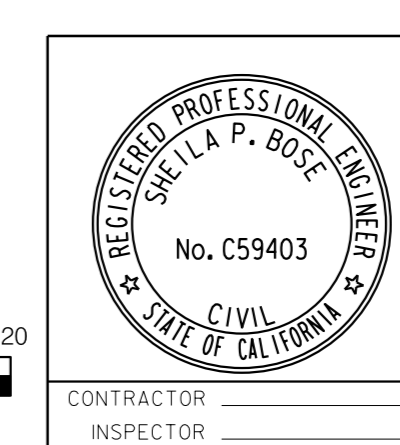
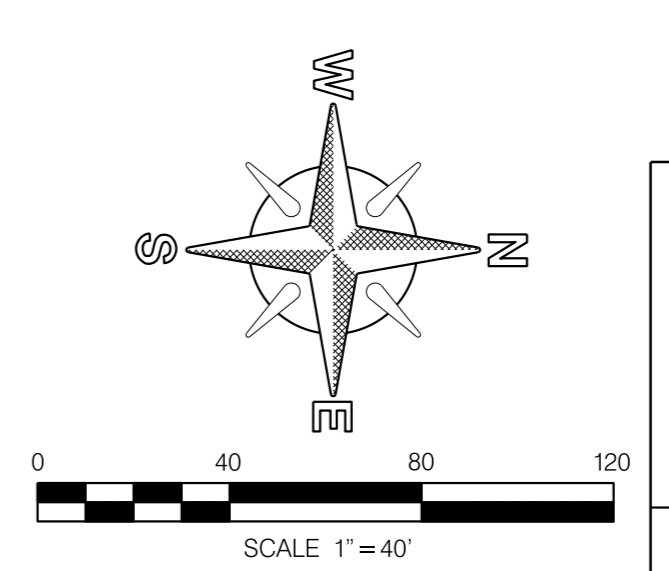
CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 7 OF 31 SHEETS

WATER WBS B1717
SEWER WBS B1716

APPROVED BY: *Sheila Boase* 12/21/18
FOR CITY ENGINEER SHEILA BOSE DATE
PROJECT MANAGER
ORDERED BY: JENNY JARRELL
PROJECT ENGINEER

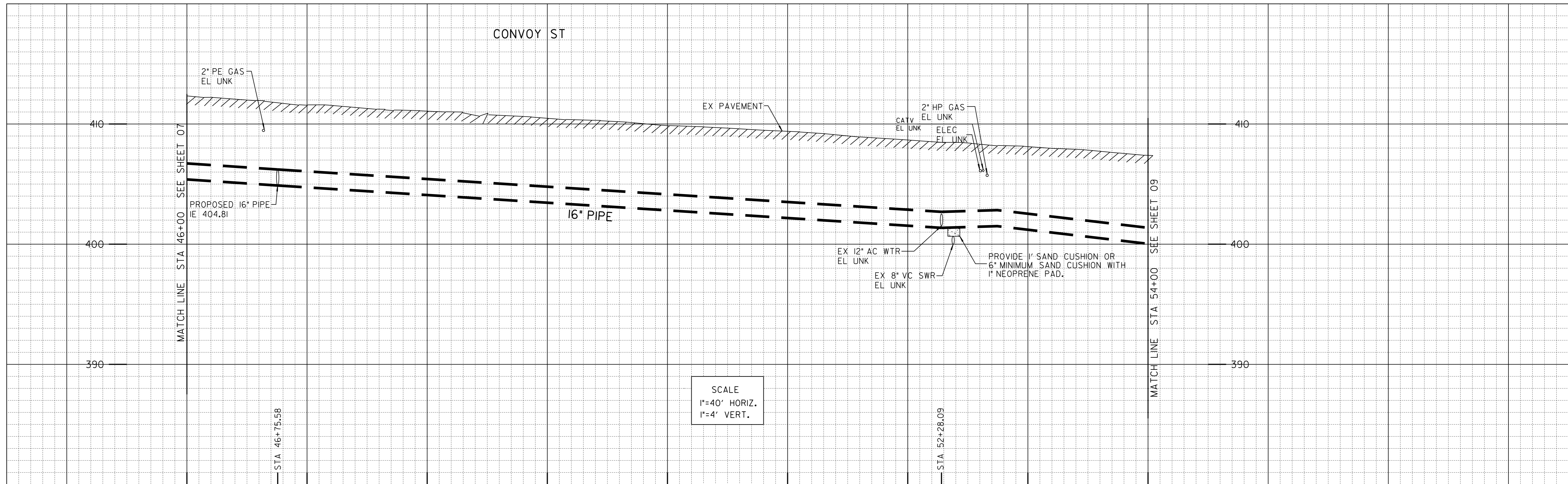
DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	JJ/XN			
ADDENDUM A	JJ/JJ	<i>Sheila Boase</i>	2/19/19	

SEE SHEETS
CCS27 COORDINATE
SEE SHEETS
CCS83 COORDINATE
40350-07-D



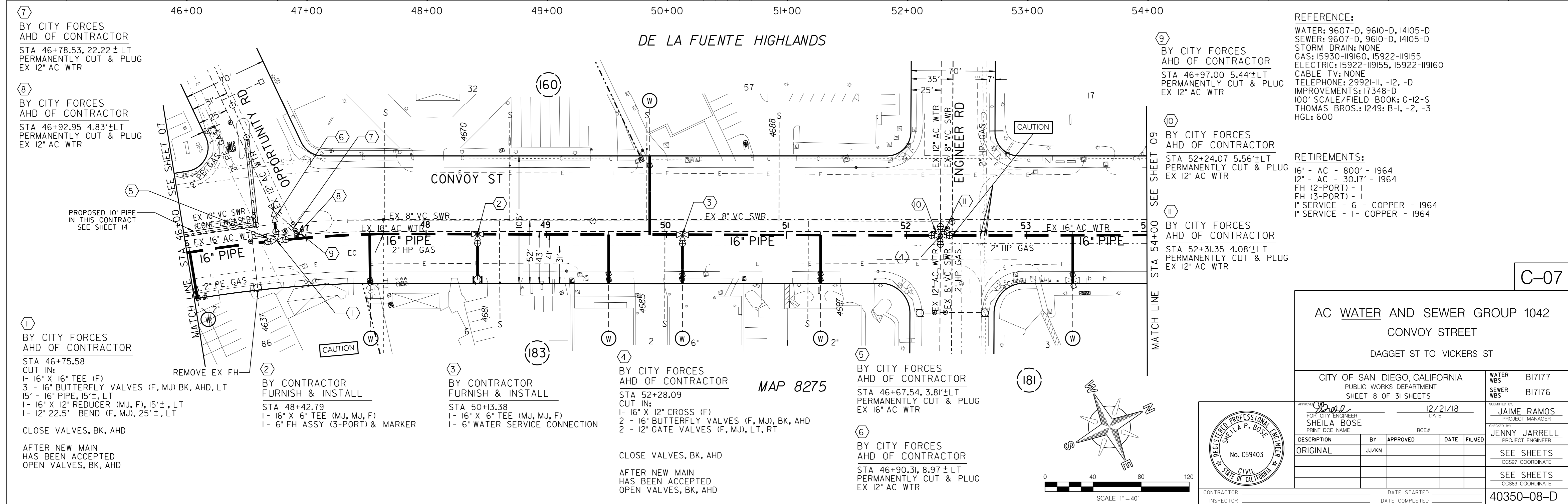
CONVOY STREET

CONVOY ST



SCALE
1"=40' HORIZ.
1"=4' VERT.

DE LA FUENTE HIGHLANDS



7
BY CITY FORCES
AHD OF CONTRACTOR
STA 46+78.53, 22.22±LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

8
BY CITY FORCES
AHD OF CONTRACTOR
STA 46+92.95 4.83±LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

1
BY CITY FORCES
AHD OF CONTRACTOR
STA 46+75.58
CUT IN:
1- 16" X 16" TEE (F)
3- 16" BUTTERFLY VALVES (F, MJ) BK, AHD, LT
15'- 16" PIPE, 15±, LT
1- 16" X 12" REDUCER (MJ, F), 15±, LT
1- 12" 22.5" BEND (F, MJ), 25±, LT

CLOSE VALVES, BK, AHD
AFTER NEW MAIN
HAS BEEN ACCEPTED
OPEN VALVES, BK, AHD

2
BY CONTRACTOR
FURNISH & INSTALL
STA 48+42.79
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER

3
BY CONTRACTOR
FURNISH & INSTALL
STA 50+13.38
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" WATER SERVICE CONNECTION

4
BY CITY FORCES
AHD OF CONTRACTOR
STA 52+28.09
CUT IN:
1- 16" X 12" CROSS (F)
2- 16" BUTTERFLY VALVES (F, MJ), BK, AHD
2- 12" GATE VALVES (F, MJ), LT, RT

CLOSE VALVES, BK, AHD
AFTER NEW MAIN
HAS BEEN ACCEPTED
OPEN VALVES, BK, AHD

5
BY CITY FORCES
AHD OF CONTRACTOR
STA 46+67.54, 3.81±LT
PERMANENTLY CUT & PLUG
EX 16" AC WTR

6
BY CITY FORCES
AHD OF CONTRACTOR
STA 46+90.31, 8.97±LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

9
BY CITY FORCES
AHD OF CONTRACTOR
STA 46+97.00 5.44±LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

10
BY CITY FORCES
AHD OF CONTRACTOR
STA 52+24.07 5.56±LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

11
BY CITY FORCES
AHD OF CONTRACTOR
STA 52+31.35 4.08±LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

REFERENCE:
WATER: 9607-D, 9610-D, 14105-D
SEWER: 9607-D, 9610-D, 14105-D
STORM DRAIN: NONE
GAS: 15930-119160, 15922-119155
ELECTRIC: 15922-119155, 15922-119160
CABLE TV: NONE
TELEPHONE: 29921-II, -I2, -D
IMPROVEMENTS: 17348-D
100' SCALE/FIELD BOOK: G-12-S
THOMAS BROS.: 1249: B-1, -2, -3
HGL: 600

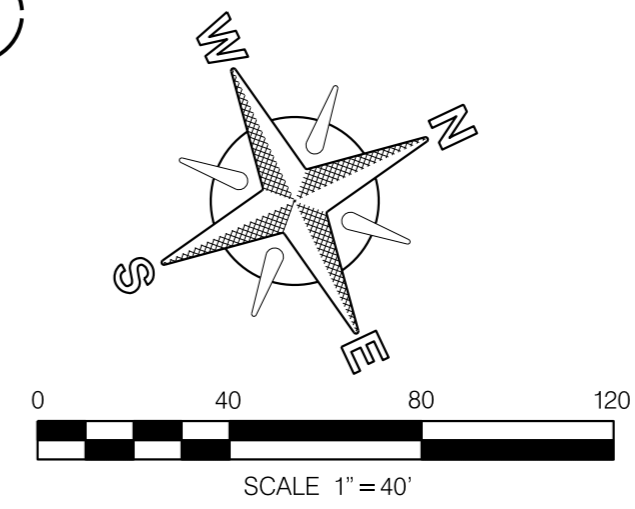
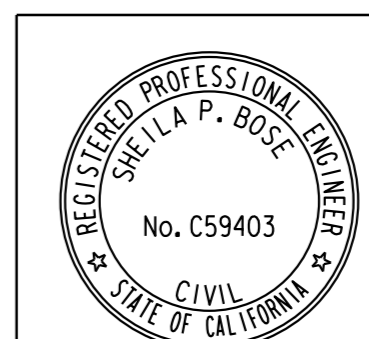
RETIREMENTS:
16" - AC - 800' - 1964
12" - AC - 30,17' - 1964
FH (2-PORT) - 1
FH (3-PORT) - 1
1" SERVICE - 6 - COPPER - 1964
1" SERVICE - 1 - COPPER - 1964

C-07

AC WATER AND SEWER GROUP 1042
CONVOY STREET
DAGGET ST TO VICKERS ST

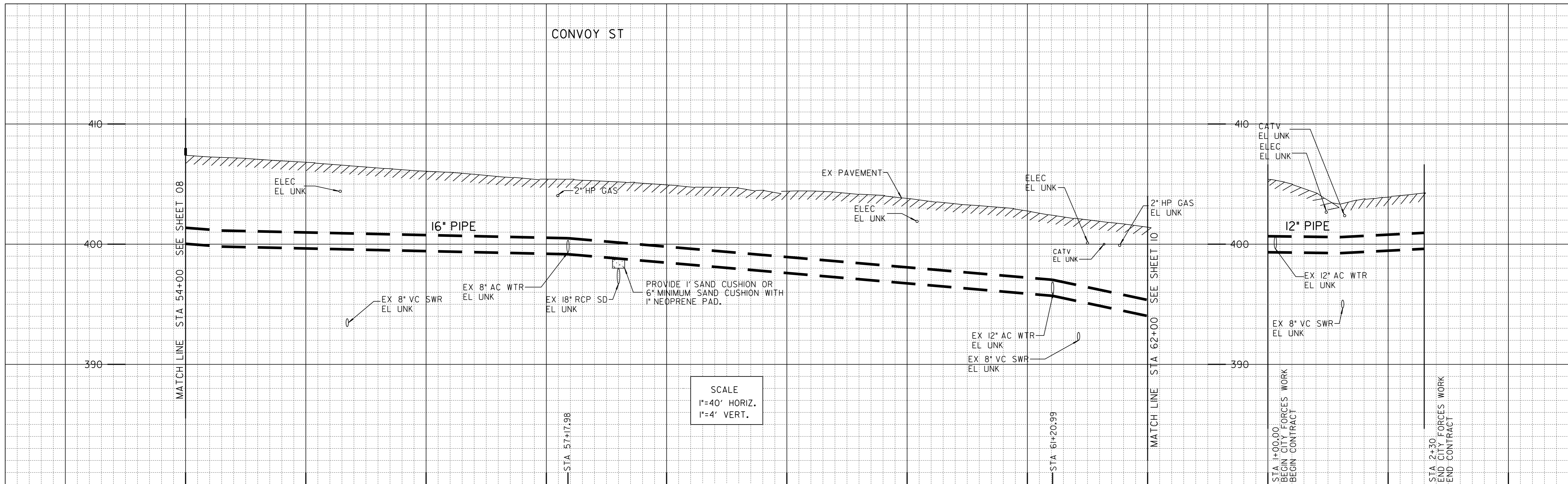
CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 8 OF 31 SHEETS

APPROVED BY FOR CITY ENGINEER SHEILA BOSE PRINT NAME	DATE 12/21/18	WATER WBS BI7177	SEWER WBS BI7176
DESIGNED BY JENNY JARRELL PROJECT ENGINEER	DATE	DATE STARTED	DATE COMPLETED
DESCRIPTION ORIGINAL	BY JJ/XN	APPROVED	FILED
SEE SHEETS CCS27 COORDINATE			
SEE SHEETS CCS83 COORDINATE			



CONVOY STREET

CONVOY ST



SCALE
1"=40' HORIZ.
1"=4' VERT.

①
BY CITY FORCES
AHD OF CONTRACTOR
STA 57+17.98
CUT IN:
1- 16" X 16" CROSS (F)
2 - 16" BUTTERFLY VALVES (F, MJ) BK, AHD
2 - 16" BUTTERFLY VALVES (F), LT, RT
1- 16" X 12" REDUCER (F, MJ), LT
1- 16" X 8" REDUCER (F, MJ), RT

CLOSE VALVE, RT
AFTER NEW MAIN
HAS BEEN ACCEPTED
OPEN VALVE, RT

④
BY CONTRACTOR
FURNISH & INSTALL
STA 54+38.10
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER

②
BY CITY FORCES
AHD OF CONTRACTOR
STA 61+20.99
CUT IN:
1- 16" X 16" CROSS (F)
2 - 16" BUTTERFLY VALVES (F, MJ) BK, AHD
2 - 16" BUTTERFLY VALVES (F), LT, RT
2 - 16" X 12" REDUCER (F, MJ), LT, RT
4 - 12" 11.25" BENDS, LT, RT

CLOSE VALVES, BK, AHD
AFTER NEW MAIN
HAS BEEN ACCEPTED
OPEN VALVES BK, AHD

④
BY CITY FORCES
AHD OF CONTRACTOR
STA 57+14.27 3.16' ± LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

④
BY CONTRACTOR
FURNISH & INSTALL
STA 54+38.10
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER

⑤
BY CITY FORCES
AHD OF CONTRACTOR
STA 57+25.99, 2.08 ± LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

④
BY CITY FORCES
AHD OF CONTRACTOR
STA 57+62.20, 12.66 ± LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

⑤
BY CITY FORCES
AHD OF CONTRACTOR
STA 57+67.25, 20.72 LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

⑥
BY CITY FORCES
AHD OF CONTRACTOR
STA 57+79.71, 12.99 LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

⑦
BY CITY FORCES
AHD OF CONTRACTOR
STA 61+11.08, 13.52 ± LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

⑧
BY CITY FORCES
AHD OF CONTRACTOR
STA 61+27.40, 13.51 ± LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

⑨
BY CONTRACTOR
FURNISH & INSTALL
STA 1+87.51
1- 12" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER

⑩
BY CITY FORCES
AHD OF CONTRACTOR
STA 2+30
CUT & PLUG:
EX 12" AC WTR

RECONNECT AFTER NEW
MAIN HAS BEEN ACCEPTED

⑪
BY CONTRACTOR
FURNISH & INSTALL
STA 2+24.99
1- 12" 22.5" BEND (MJ)

⑫
BY CITY FORCES
AHD OF CONTRACTOR
STA 2+15.94 4.27 ± RT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

⑬
BY CONTRACTOR
FURNISH & INSTALL
STA 57+17.32, 19.88 ± RT
1- 8" 22.5" BEND (F, MJ)

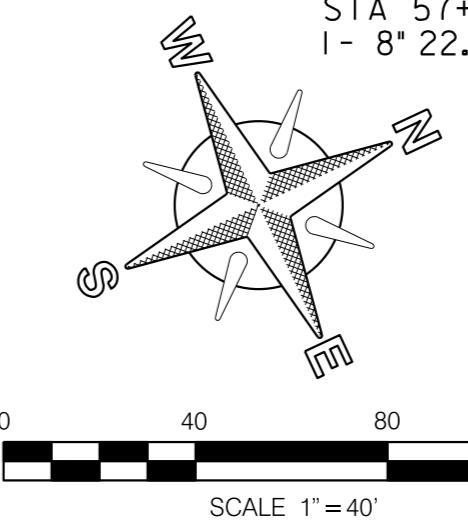
REFERENCE:
WATER: 9609-D, 9610-D, 11863-2-D, 14898-4-D, 19446-10-D
SEWER: 9609-D, 9610-D, 14898-4-D, 26253-5-D
STORM DRAIN: 11446-3-D, 14989-D, 19446-10-D
GAS: 15930-119165, 15930-119170
ELECTRIC: 15930-119165, 15930-119170
CABLE TV: NONE
TELEPHONE: 29921-II, -12, -D
IMPROVEMENTS: 14898-D
100' SCALE/FIELD BOOK: G-II-S, G-12-S
THOMAS BROS.: 1249: B-1, -2, -3
HGL: 600

RETIREMENTS:
16" - AC - 367.12' - 1964
12" - AC - 555.67' - 1964
FH (3-PORT) - 1
1" SERVICE - 6 - COPPER - 1964

CONTRACTOR'S NOTE:
USE EXTREME CAUTION WHEN WORKING DUE TO
LOW OVERHEAD UTILITY LINES.

DE LA FUENTE HIGHLANDS

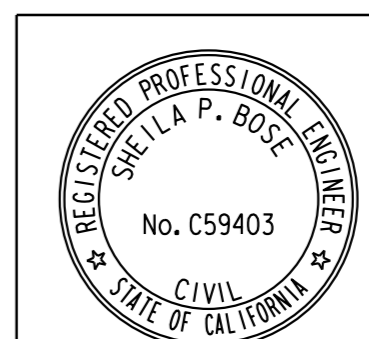
MAP 8275



AC WATER AND SEWER GROUP 1042
CONVOY STREET
ENGINEER RD TO RAYTHEON RD

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 9 OF 31 SHEETS

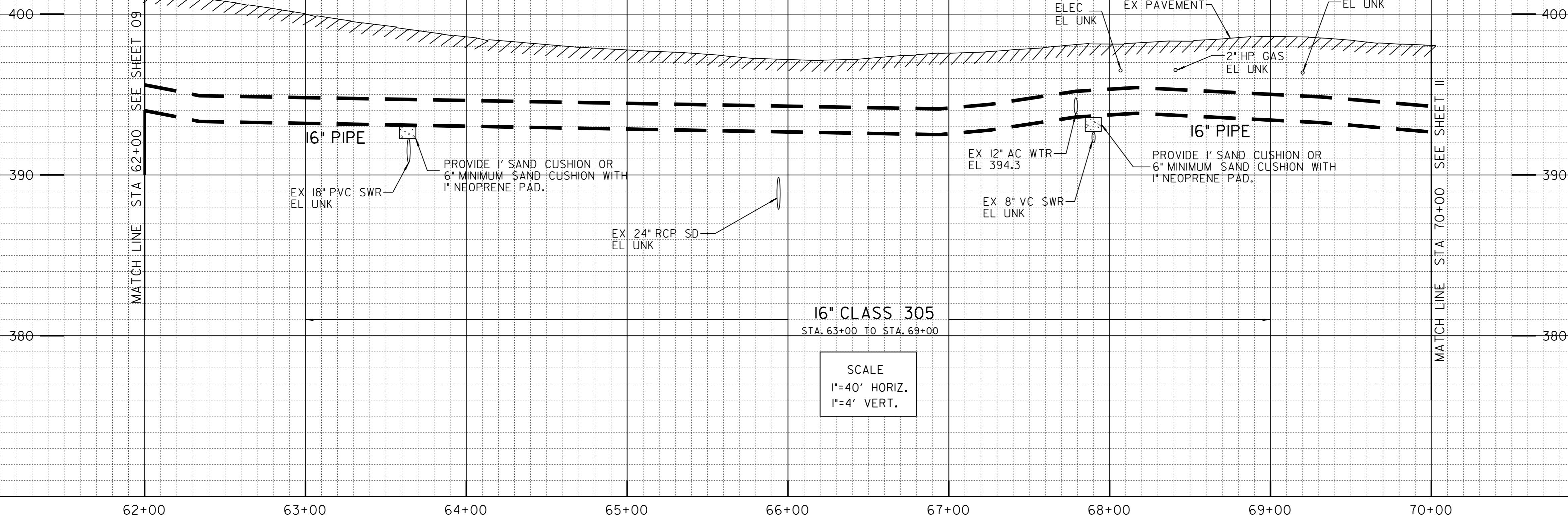
DESIGNATION	BY	APPROVED	DATE	FILED
ORIGINAL	JJ/KN			
ADDENDUM A	JJ/JJ		2/19/19	



C-08

40350-09-D

CONVOY ST



16" CLASS 305
STA. 63+00 TO STA. 69+00

SCALE
1"=40' HORIZ.
1"=4' VERT.

①
BY CONTRACTOR
FURNISH & INSTALL
STA 64+60.16
1- 16" X 6" TEE (M.J, M.J, F)
1- 6" FH ASSY (3-PORT) & MARKER

MCGRATH - HIGHLANDS
INDUSTRIAL CENTER
UNIT I

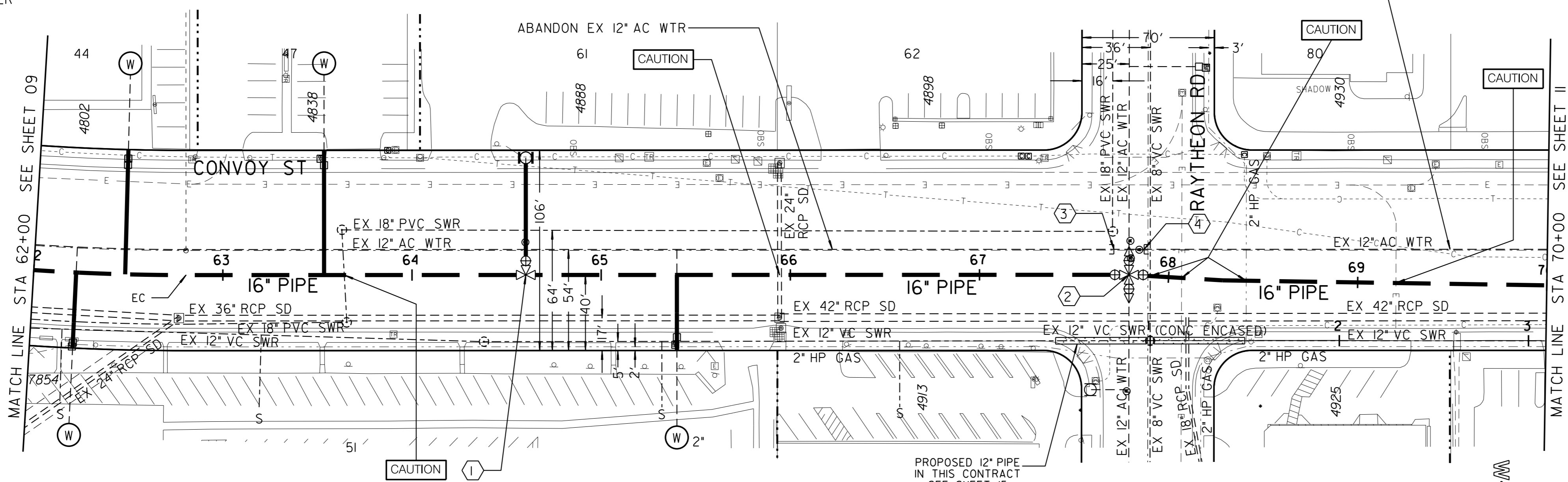
⑩

REFERENCE:
WATER: I2837-1, -2, -D, I2975-2-D
SEWER: I2837-1, -2, -D, I2975-2-D, 26253-5-D
STORM DRAIN: I9446-10-D
GAS: I5930-I19175
ELECTRIC: I5930-I19170, I5930-I19175
CABLE TV: NONE
TELEPHONE: 29921-II, -I2, -D
IMPROVEMENTS: I2837-D
100' SCALE/FIELD BOOK: G-II-S
THOMAS BROS.: I249: B-1, -2, -3
HGL: 600

RETIREMENTS:
I2" - AC - 800' - 1964
FH (3-PORT) - I
I" SERVICE - 4 - COPPER - 1964

②
BY CITY FORCES
AHD OF CONTRACTOR
STA 67+79.02
CUT IN:
1- 16" X 16" CROSS (F)
4 - 16" BUTTERFLY VALVES (F, M.J) BK, AHD, LT, RT
2 - 16" X 12" REDUCER, LT, RT

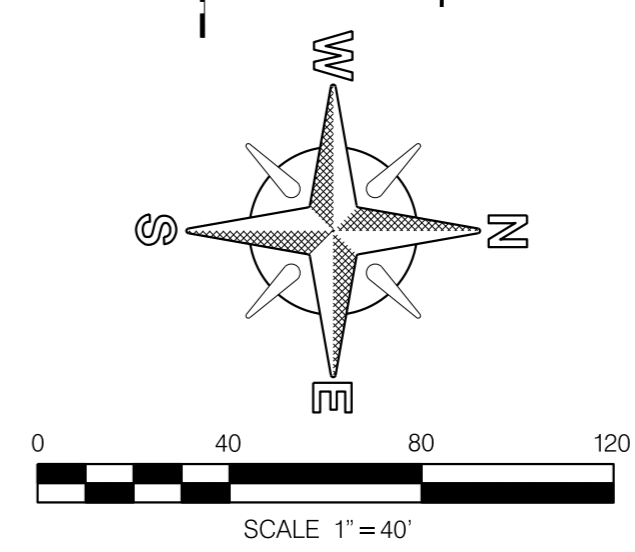
CLOSE VALVES, BK, AHD
AFTER NEW MAIN
HAS BEEN ACCEPTED
OPEN VALVES BK, AHD



③
BY CITY FORCES
AHD OF CONTRACTOR
STA 67+71.03, 13.50 ± LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

④
BY CITY FORCES
AHD OF CONTRACTOR
STA 67+86.22, 13.95 ± LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR

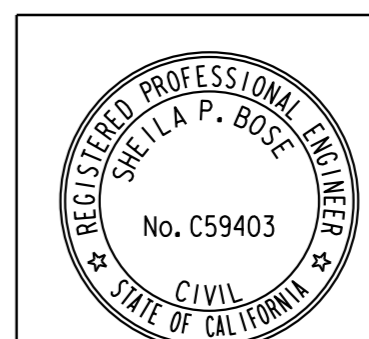
MAP 5950



AC WATER AND SEWER GROUP 1042
CONVOY STREET
RONSON RD RO CLAIREMONT MESA BL

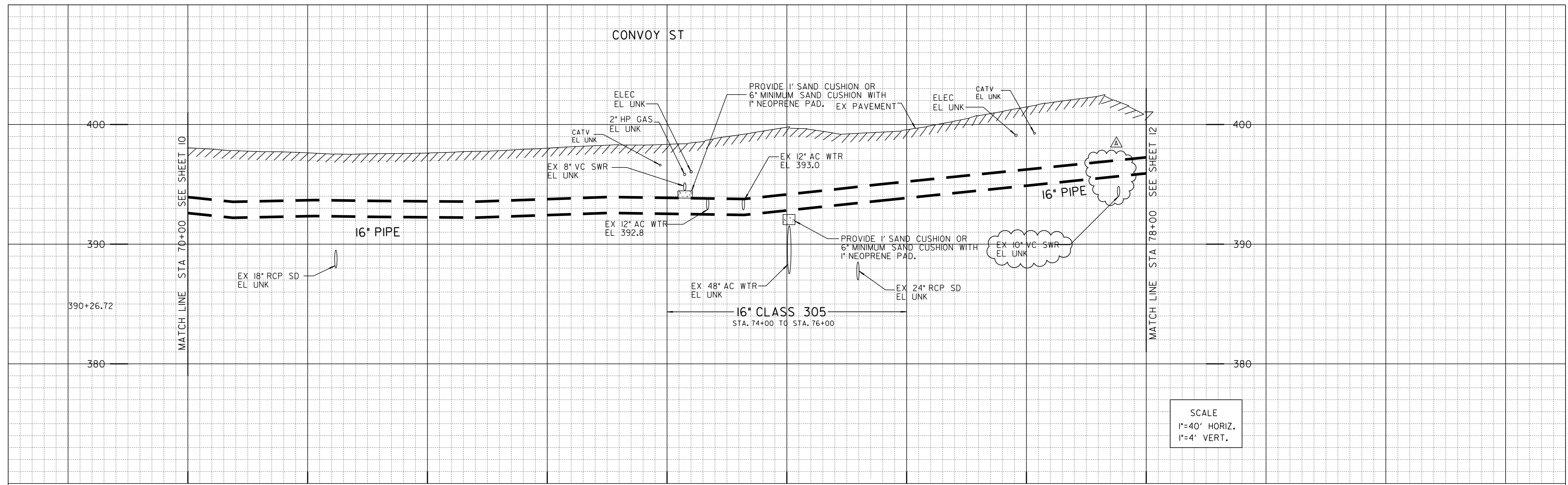
CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 10 OF 31 SHEETS

APPROVED BY FOR CITY ENGINEER SHEILA BOSE DATE 12/21/18	WATER WBS BI7177	SEWER WBS BI7176
DESIGNED BY JENNY JARRELL PROJECT ENGINEER	CONTRACTOR INSPECTOR	
DESCRIPTION ORIGINAL	BY JJ/XN	APPROVED DATE FILED
SEE SHEETS CCS27 COORDINATE	DATE STARTED DATE COMPLETED	
SEE SHEETS CCS83 COORDINATE	40350-10-D	



CONVOY STREET

C-09



SCALE
1"=40' HORIZ.
1"=4' VERT.

1
BY CONTRACTOR
FURNISH & INSTALL
STA 71+07.87
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER

2
BY CONTRACTOR
FURNISH & INSTALL
STA 72+32.02
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FIRE SERVICE CONNECTION

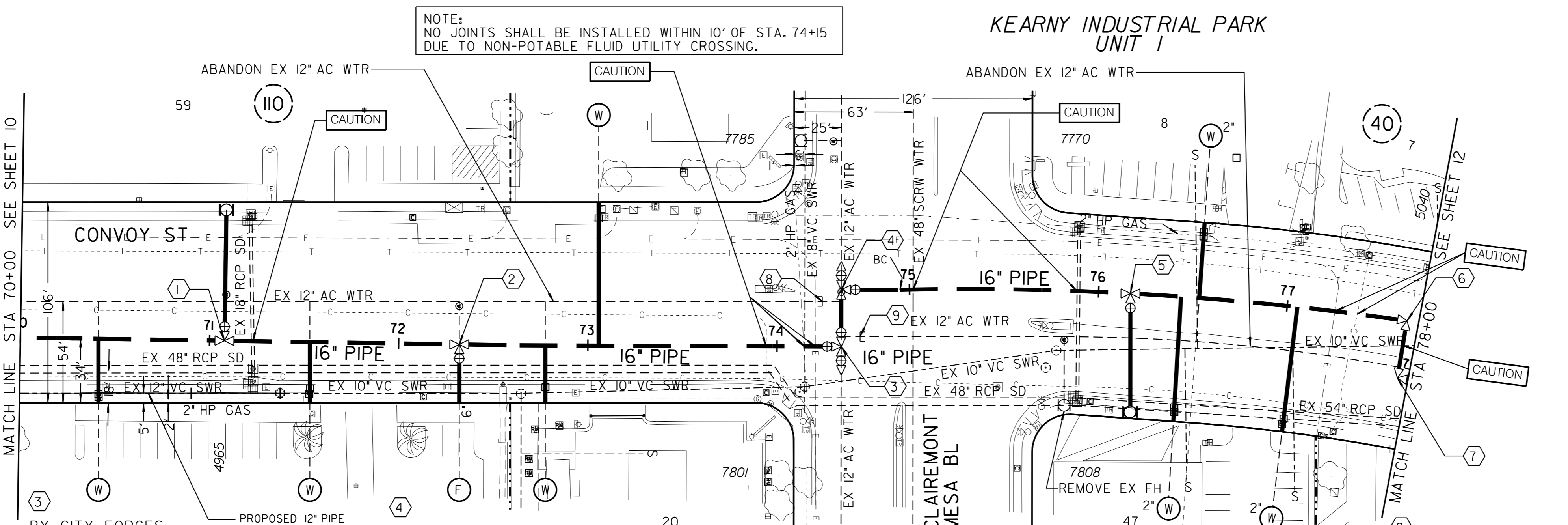
70+00 71+00 72+00 73+00 74+00 75+00 76+00 77+00 78+00

REFERENCE:
WATER: I1446-20-D, I9334-6-D
SEWER: I2996-1-D
STORM DRAIN: I2993-16-D
GAS: I5930-119180, I5930-119185
ELECTRIC: I5930-119180, I5930-119185
CABLE TV: NONE
TELEPHONE: 29921-II, -I2, -D
IMPROVEMENTS:
100' SCALE/FIELD BOOK: G-II-S
THOMAS BROS.: I249: B-1, -2, -3
HGL: 600

RETIREMENTS:
12" - AC - 800' - 1964
FH (3-PORT) - 3
1" SERVICE - 9 - COPPER - 1964
6" FIRE SERVICE - 2 - CI - 1964

NOTE:
NO JOINTS SHALL BE INSTALLED WITHIN 10' OF STA. 74+15
DUE TO NON-POTABLE FLUID UTILITY CROSSING.

KEARNY INDUSTRIAL PARK
UNIT 1



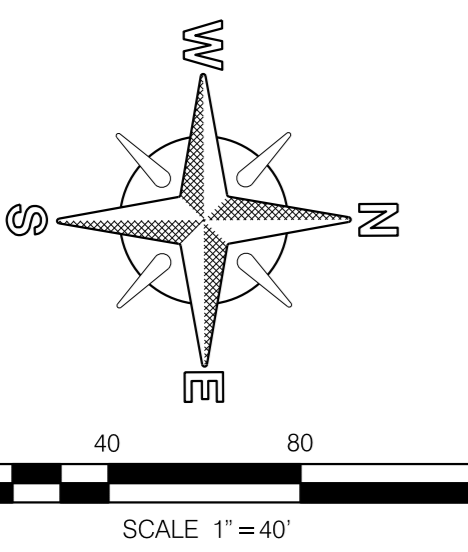
3
BY CITY FORCES
AHD OF CONTRACTOR
STA 74+33.94
CUT IN:
1- 16" X 16" TEE (F)
2 - 16" BUTTERFLY VALVES (F, MJ) BK, LT
1- 16" BUTTERFLY VALVE (F), RT
1- 16" X 12" REDUCERS (F, MJ), RT
CLOSE VALVES, BK
AFTER NEW MAIN
HAS BEEN ACCEPTED
OPEN VALVES BK

4
BY CITY FORCES
AHD OF CONTRACTOR
STA 74+63.94
CUT IN:
1- 16" X 16" TEE (F)
1- 16" BUTTERFLY VALVES (F, MJ) AHD
1- 16" BUTTERFLY VALVES (F), LT
1- 16" X 12" REDUCER (F, MJ), LT
CLOSE VALVE, AHD
AFTER NEW MAIN
HAS BEEN ACCEPTED
OPEN VALVE, AHD

5
BY CONTRACTOR
FURNISH & INSTALL
STA 76+16.86
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER

6
BY CONTRACTOR
FURNISH & INSTALL
STA 77+63.83
1- 16" 90° BEND (MJ)
7
BY CONTRACTOR
FURNISH & INSTALL
STA 77+94.35
1- 16" 90° BEND (MJ)

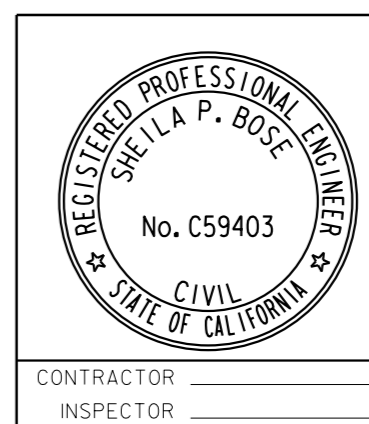
8
BY CITY FORCES
AHD OF CONTRACTOR
STA 74+57.75, 10.00 ± LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR
9
BY CITY FORCES
AHD OF CONTRACTOR
STA 74+39.22, 10.04 ± RT
PERMANENTLY CUT & PLUG
EX 12" AC WTR



AC WATER AND SEWER GROUP 1042
CONVOY STREET
RAYTHEON RD TO CONVOY CT

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 110 OF 31 SHEETS

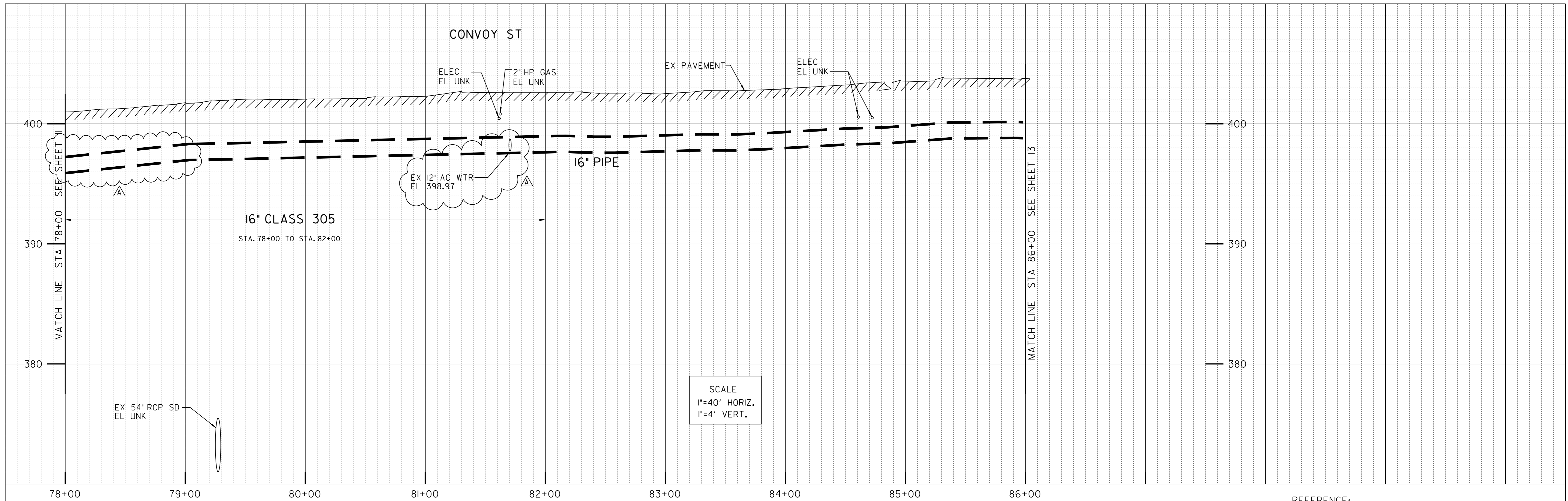
APPROVED BY <i>Sheila B</i> FOR CITY ENGINEER SHEILA BOSE PRINTED NAME	DATE 12/21/18	WATER WBS BI7177	SEWER WBS BI7176
DESIGNED BY JENNY JARRELL PROJECT ENGINEER	ORDERED BY JENNY JARRELL PROJECT MANAGER		
DESCRIPTION ORIGINAL	BY JJ/RH	APPROVED <i>Sheila B</i>	DATE 2/19/19
ADDENDUM A	JJ/JJ		
CONTRACTOR INSPECTOR		DATE STARTED DATE COMPLETED	
		40350-11-D	



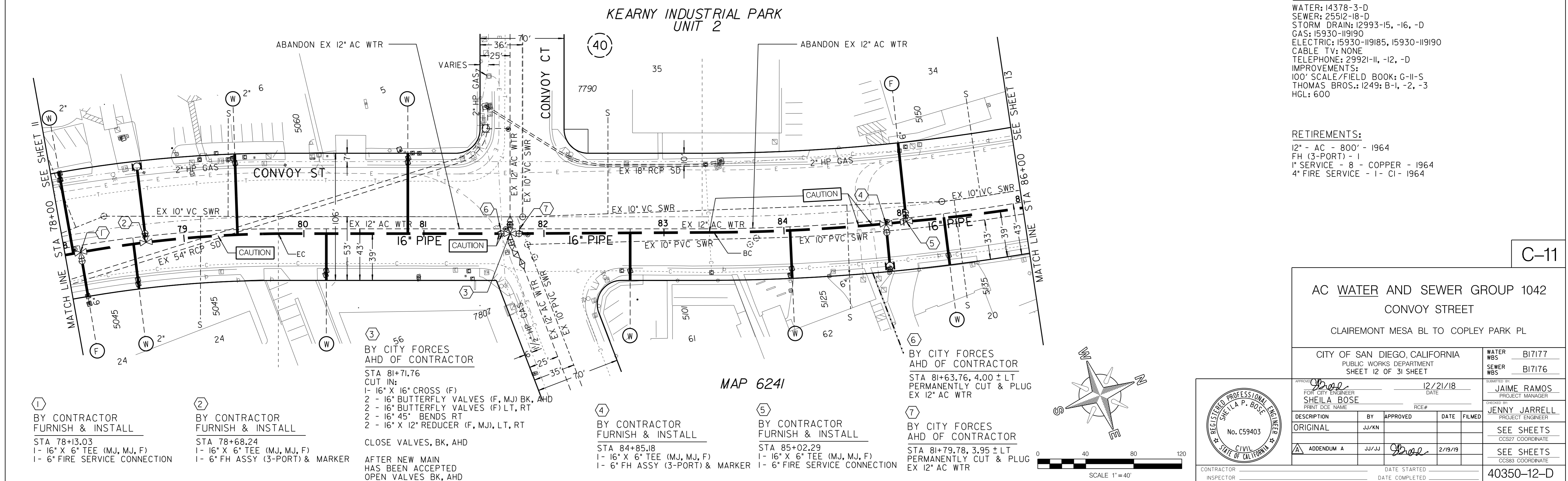
CONVOY STREET

C-10

MAP 6090



SCALE
1"=40' HORIZ.
1"=4' VERT.



REFERENCE:
WATER: 14378-3-D
SEWER: 25512-18-D
STORM DRAIN: I2993-15, -16, -D
GAS: I5930-I19190
ELECTRIC: I5930-I19185, I5930-I19190
CABLE TV: NONE
TELEPHONE: 2992I-II, -I2, -D
IMPROVEMENTS:
100' SCALE/FIELD BOOK: G-II-S
THOMAS BROS.: I249: B-I, -2, -3
HGL: 600

RETIREMENTS:
12" - AC - 800' - 1964
FH (3-PORT) - I
1" SERVICE - 8 - COPPER - 1964
4" FIRE SERVICE - I - CI - 1964

① BY CONTRACTOR FURNISH & INSTALL
STA 78+13.03
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FIRE SERVICE CONNECTION

② BY CONTRACTOR FURNISH & INSTALL
STA 78+68.24
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER

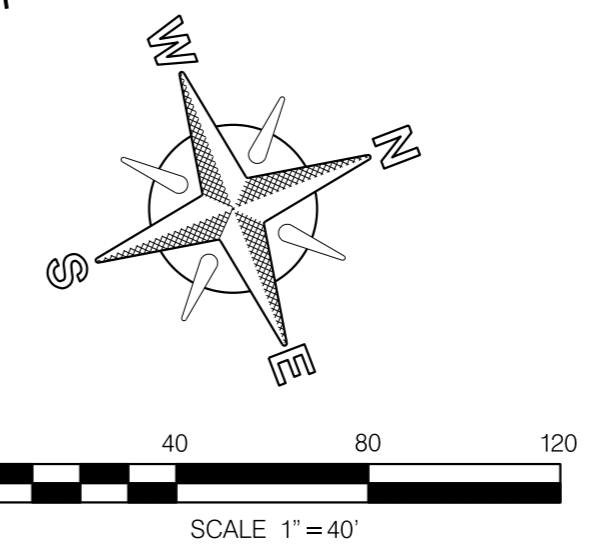
③ BY CITY FORCES AHD OF CONTRACTOR
STA 81+71.76
CUT IN:
1- 16" X 16" CROSS (F)
2- 16" BUTTERFLY VALVES (F, MJ) BK, AHD
2- 16" BUTTERFLY VALVES (F) LT, RT
2- 16" 45° BENDS RT
2- 16" X 12" REDUCER (F, MJ), LT, RT
CLOSE VALVES, BK, AHD
AFTER NEW MAIN HAS BEEN ACCEPTED OPEN VALVES BK, AHD

④ BY CONTRACTOR FURNISH & INSTALL
STA 84+85.18
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY (3-PORT) & MARKER

⑤ BY CONTRACTOR FURNISH & INSTALL
STA 85+02.29
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FIRE SERVICE CONNECTION

⑦ BY CITY FORCES AHD OF CONTRACTOR
STA 81+79.78, 3.95 ± LT
PERMANENTLY CUT & PLUG EX 12" AC WTR

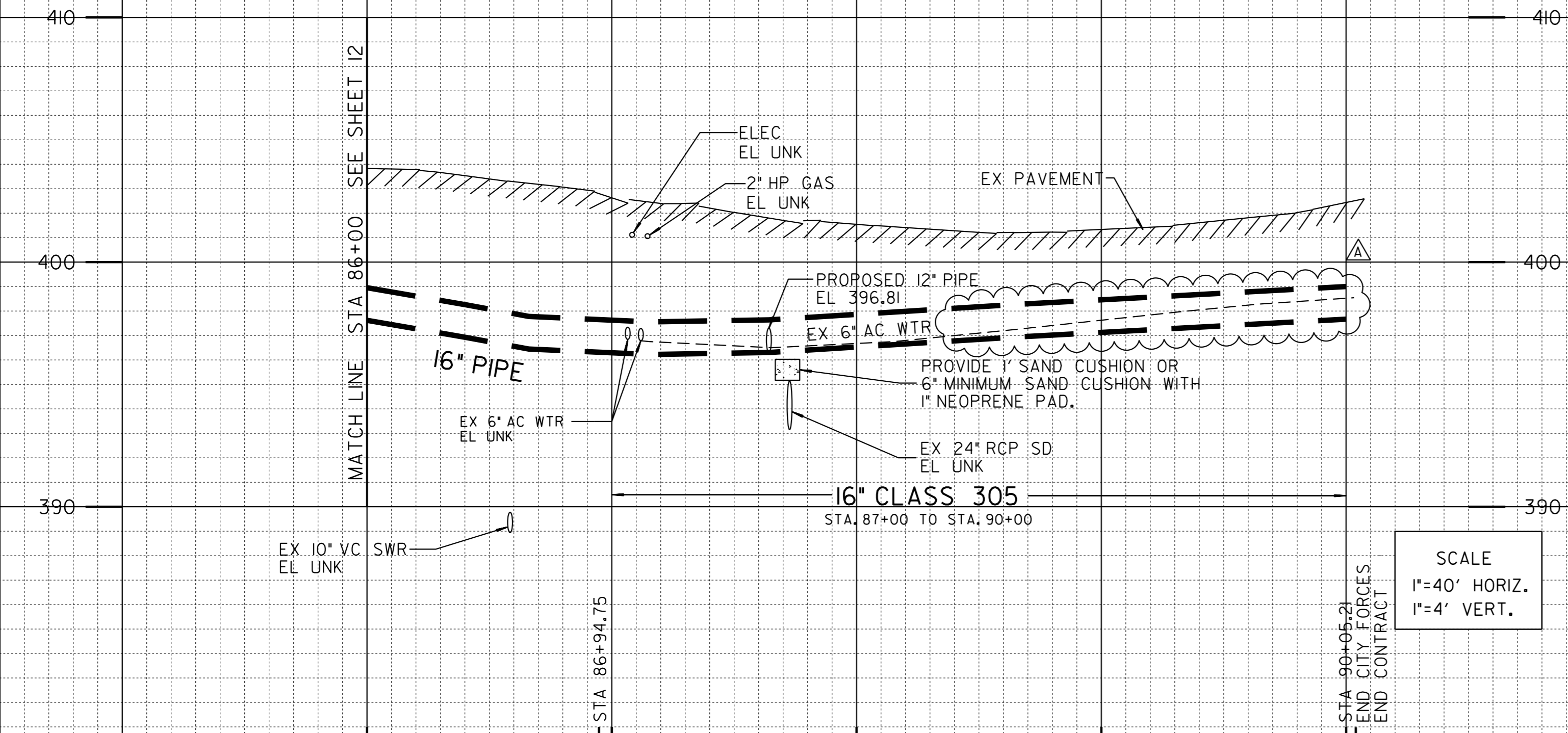
MAP 6241



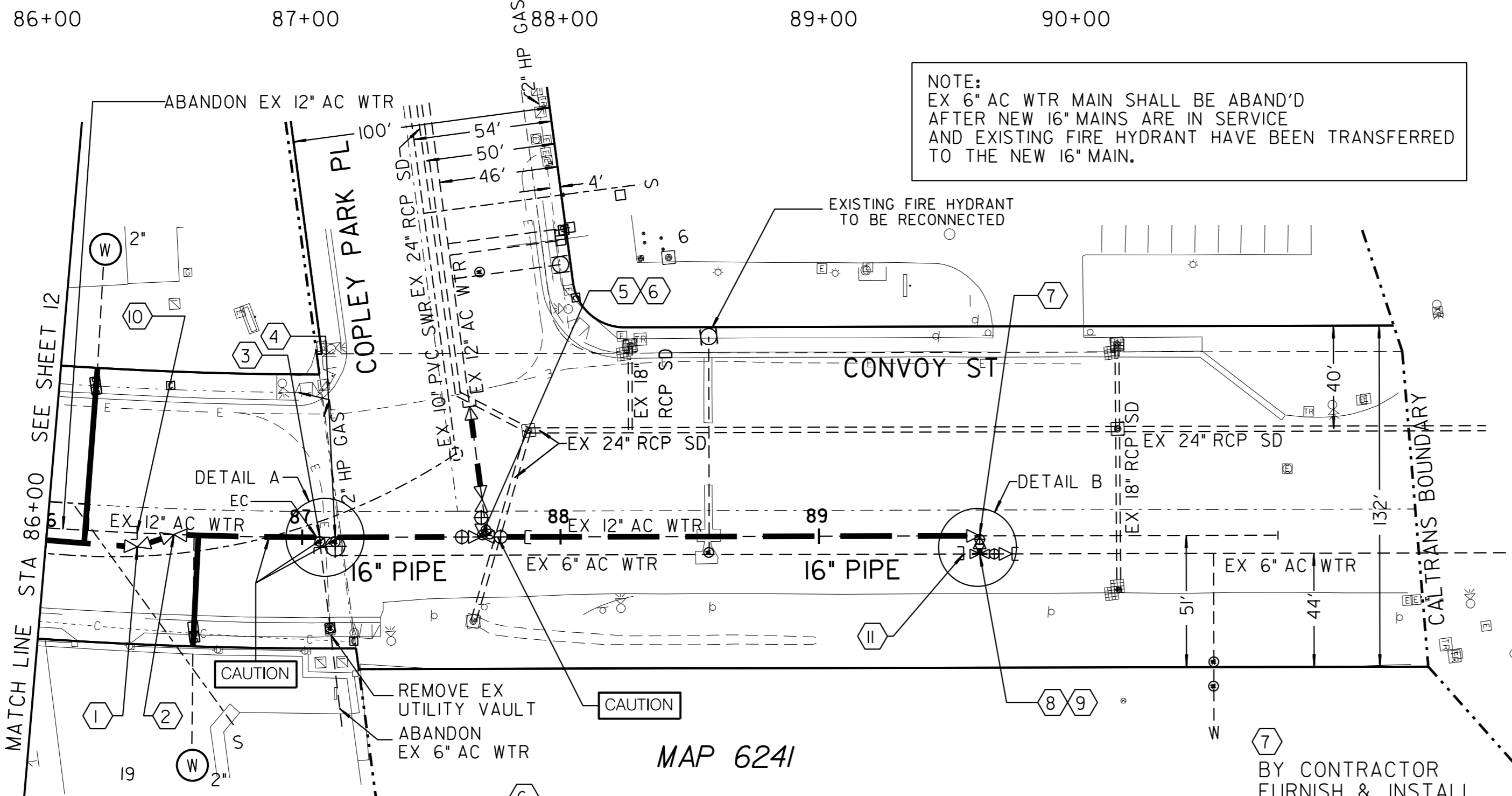
AC WATER AND SEWER GROUP 1042 CONVOY STREET CLAIREMONT MESA BL TO COPLEY PARK PL		WATER WBS BI7177 SEWER WBS BI7176
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 12 OF 31 SHEET		DATE 12/21/18
APPROVED: <i>Sheila Boase</i> FOR CITY ENGINEER SHEILA BOASE PRINTED NAME		DATE 12/21/18
DESIGNED BY: JENNY JARRELL PROJECT ENGINEER		DATE 2/19/19
DESCRIPTION	BY	APPROVED
ORIGINAL	JJ/XN	<i>Sheila Boase</i>
ADDENDUM A	JJ/JJ	<i>Sheila Boase</i>
DATE COMPLETED		DATE STARTED
CONTRACTOR		INSPECTOR
40350-12-D		

CONVOY STREET

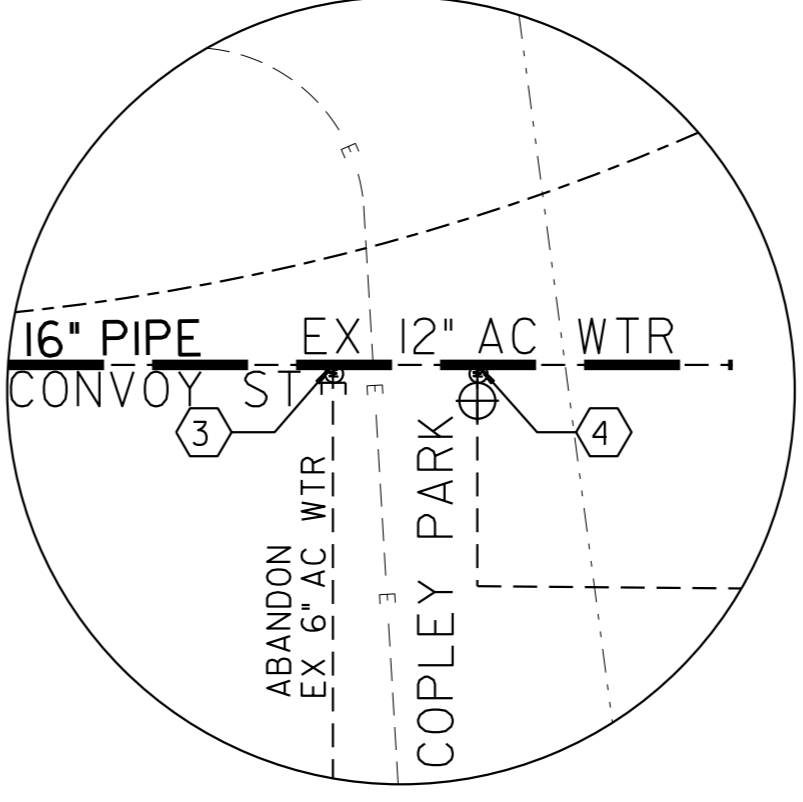
CONVOY ST



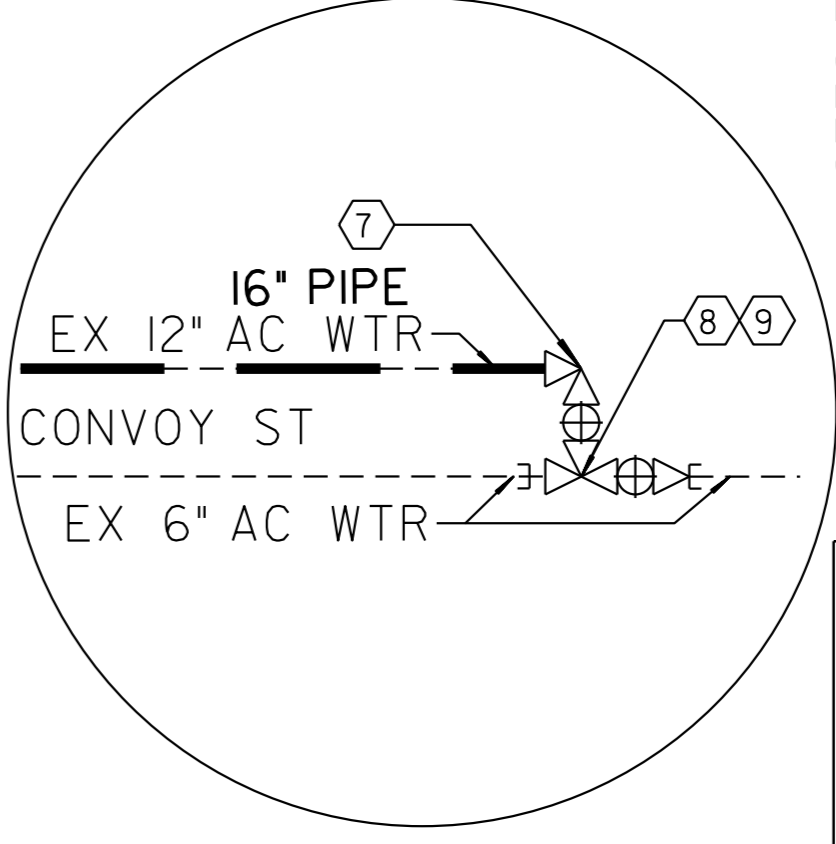
SCALE
1"=40' HORIZ.
1"=4' VERT.



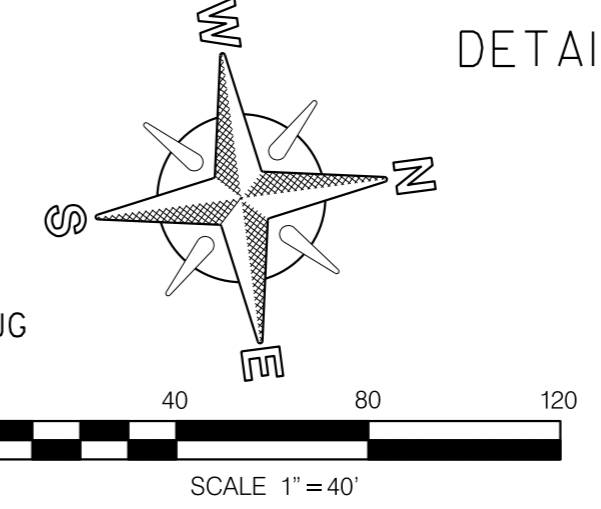
NOTE:
EX 6" AC WTR MAIN SHALL BE ABAND'D
AFTER NEW 16" MAINS ARE IN SERVICE
AND EXISTING FIRE HYDRANT HAVE BEEN TRANSFERRED
TO THE NEW 16" MAIN.



DETAIL A
BY CONTRACTOR
FURNISH & INSTALL
STA 89+69.19
CUT IN:
1- 16" X 16" TEE
2 - 16" BUTTERFLY VALVES, LT, AHD
1- BLIND FLANGE, BK
1- 16" X 6" REDUCER, AHD



DETAIL B
BY CITY FORCES
AHD OF CONTACTOR
STA 86+35.41, 5'±LT
PERMANENTLY CUT & PLUG
EX 12" AC WTR



REFERENCE:
WATER: 25512-13-D
SEWER: 25512-13-D
STORM DRAIN: 25512-13-D
GAS: 15930-119195
ELECTRIC: 15930-119190, 15930-119195
CABLE TV: NONE
TELEPHONE: 29921-II, -I2, -D
IMPROVEMENTS: 25755-D
100' SCALE/FIELD BOOK: G-II-S
THOMAS BROS.: 1249: B-1, -2, -3
HGL: 600

RETIREMENTS:
6" - AC - 338.00' - 1985
12" - AC - 420.51' - 1967
FH (3-PORT) - I
6" SERVICE - I - 1985

- ① BY CONTRACTOR
FURNISH & INSTALL
STA 86+35.41
1- 16" 22.5' BEND
- ② BY CONTRACTOR
FURNISH & INSTALL
STA 86+50.32
1- 16" 22.5' BEND
- ③ BY CITY FORCES
STA 87+06.82
PERMANENT CUT AND PLUG
EX 6" AC WTR, RT
- ④ BY CITY FORCES
FURNISH & INSTALL
STA 87+12.78
1- 6" IN-LINE GATE VALVE

AFTER NEW 16" MAIN HAS BEEN ACCEPTED:
PERMANENTLY CUT & PLUG EX 6" AC &
REMOVE 6" IN-LINE GATE VALVE
ABANDON EX 6" AC WTR

- ⑤ BY CITY FORCES
STA 87+69.33
CUT & PLUG
EX 12" AC WTR, 20' ±, AHD
STA 87+64.85
EX 12" AC WTR, 50' ±, LT

RECONNECT AFTER NEW MAIN
HAS BEEN ACCEPTED
- ⑥ BY CONTRACTOR
FURNISH & INSTALL
STA 87+69.33
1- 16" X 16" TEE (F)
3 - 16" BUTTERFLY VALVES (F, MJ) BK, AHD, LT
1- 16" 1/4" BEND, 20' ±, LT
45' - 16" PIPE, LT ±
STA 87+65.51
1- 16" X 12" REDUCER, 45.5' ±, LT

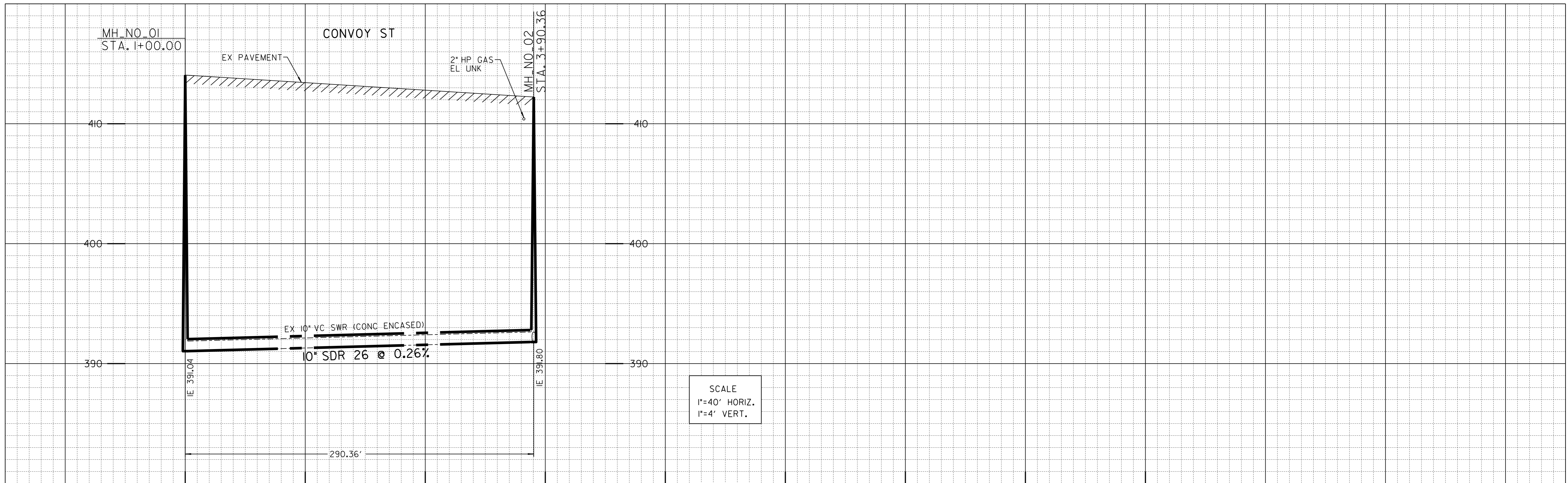
- ⑦ BY CONTRACTOR
FURNISH & INSTALL
STA 89+62.19
1- 16" 90° BEND
- ⑧ BY CITY FORCES
AHD OF CONTRACTOR
STA 89+69.19
CUT & PLUG
EX 6" AC WTR, 12' ±, AHD

AC WATER AND SEWER GROUP 1042
CONVOY STREET
COPLEY PARK PL TO SR 52

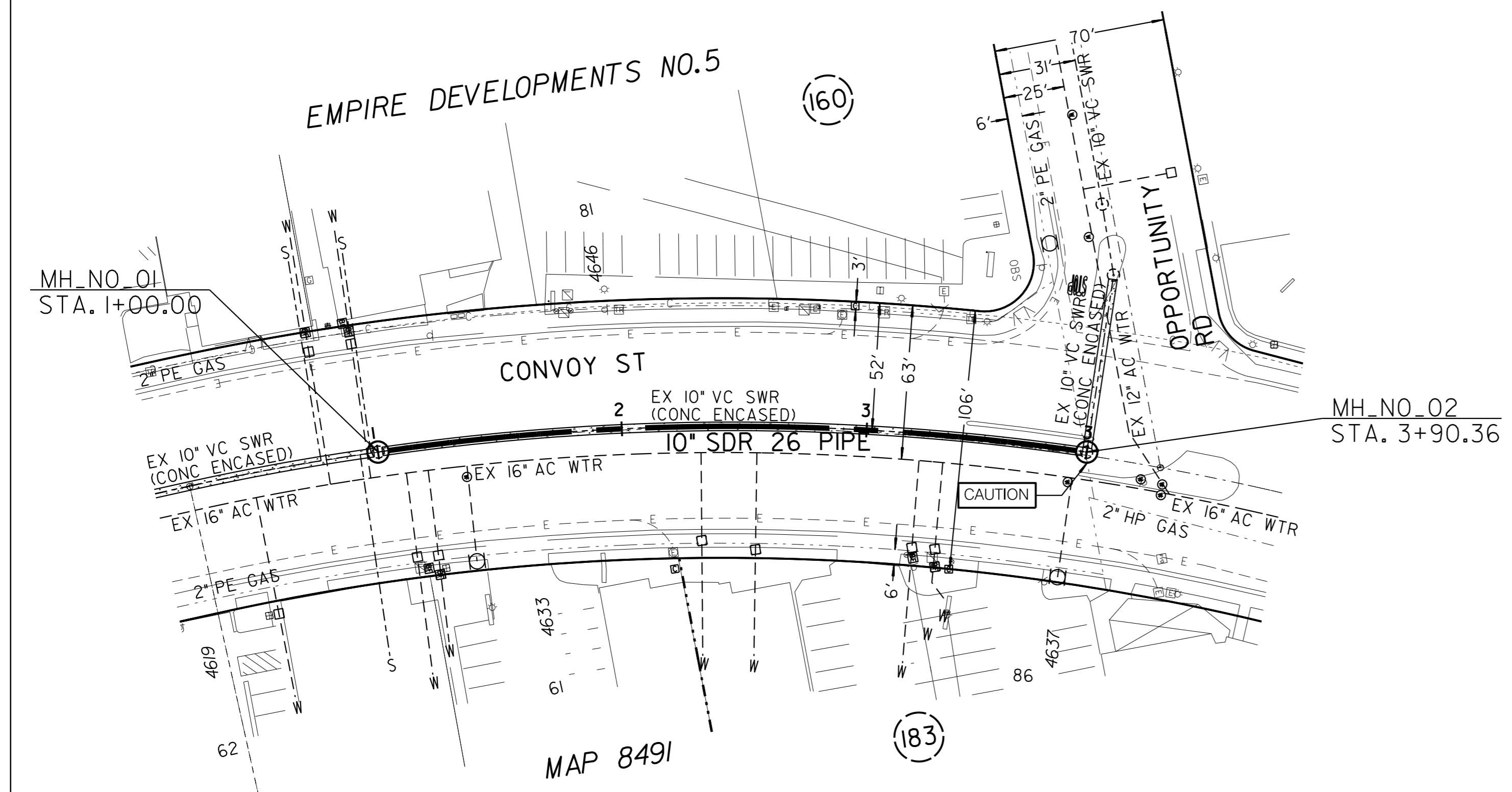
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 13 OF 31 SHEET		WATER WBS B17177 SEWER WBS B17176
APPROVED: <i>Sheila Boase</i> FOR CITY ENGINEER SHEILA BOASE DATE 12/21/18		DESIGNED BY: JAIME RAMOS PROJECT MANAGER
ORDERED BY: JENNY JARRELL PROJECT ENGINEER		DATE COMPLETED: 2/19/19
DESCRIPTION	BY	APPROVED
ORIGINAL	JJ/KN	<i>Sheila Boase</i>
ADDENDUM A	JJ/JJ	<i>Sheila Boase</i>

C-12

CONVOY STREET



SCALE
 1"=40' HORIZ.
 1"=4' VERT.

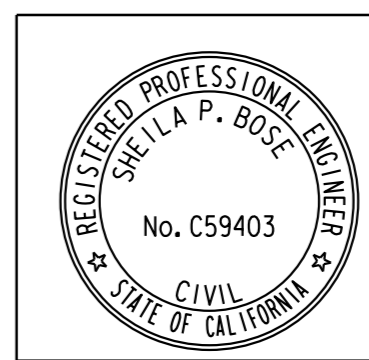
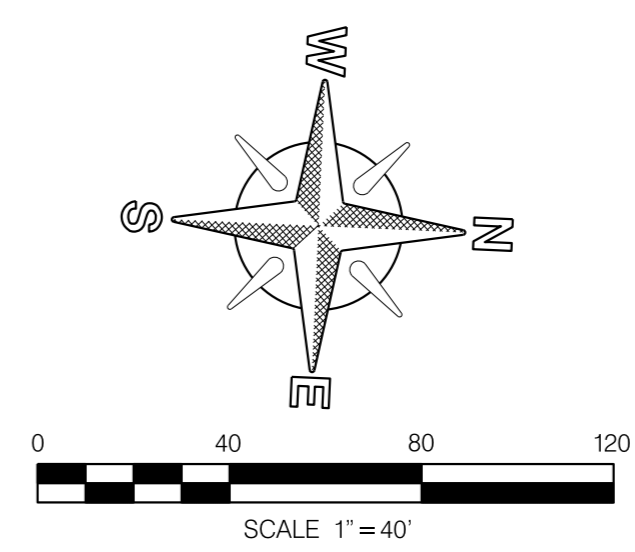


REFERENCE:
 WATER: 9607-D, 9610-D, 14105-D, 17348-3-D
 SEWER: 9607-D, 9610-D, 11446-2-D, 14105-D
 STORM DRAIN: NONE
 GAS: 15922-119155
 ELECTRIC: 15922-119155
 CABLE TV: NONE
 TELEPHONE: 29921-II, -I2, -D
 IMPROVEMENTS: 16145-D, 17348-D
 100' SCALE/FIELD BOOK: G-12-S
 THOMAS BROS.: 1249: B-1, -2, -3

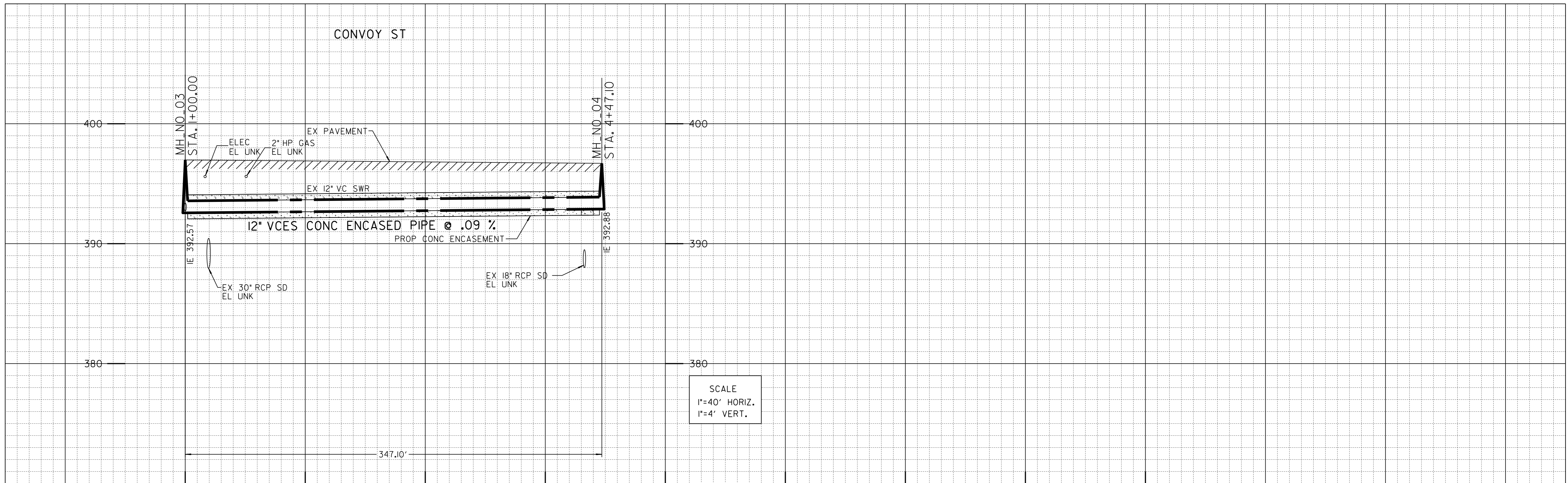
RETIREMENTS:
 10" - VC - 290.35' - 1966
 MH - 4X3 - 2 - 1966

C-13

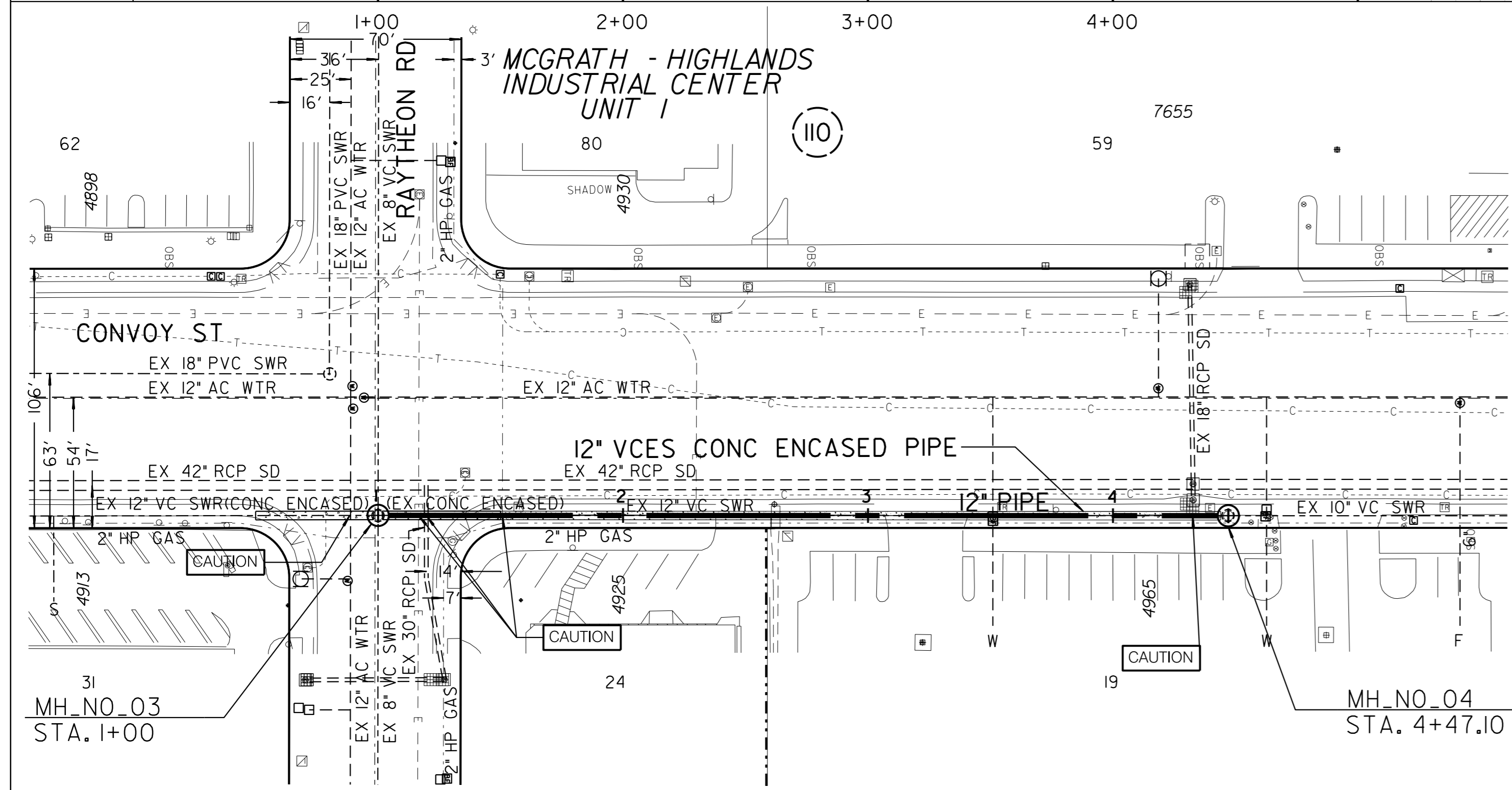
AC WATER AND SEWER GROUP 1042 CONVOY STREET DAGGET ST TO OPPORTUNITY RD	
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 14 OF 31 SHEET	WATER WBS BI7177 SEWER WBS BI7176
APPROVED: <i>Sheila P. Bose</i> FOR CITY ENGINEER SHEILA P. BOSE DATE 12/21/18	DESIGNED BY: JAIME RAMOS PROJECT MANAGER
CHECKED BY: JENNY JARRELL PROJECT ENGINEER	DESCRIPTION ORIGINAL
BY: JJ/XN	APPROVED: []
DATE: []	FILED: []
CONTRACTOR: []	DATE STARTED: []
INSPECTOR: []	DATE COMPLETED: []
40350-14-D	



CONVOY STREET



SCALE
1"=40' HORIZ.
1"=4' VERT.

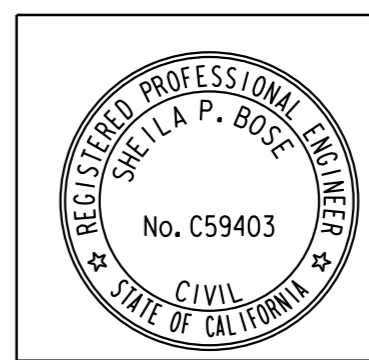
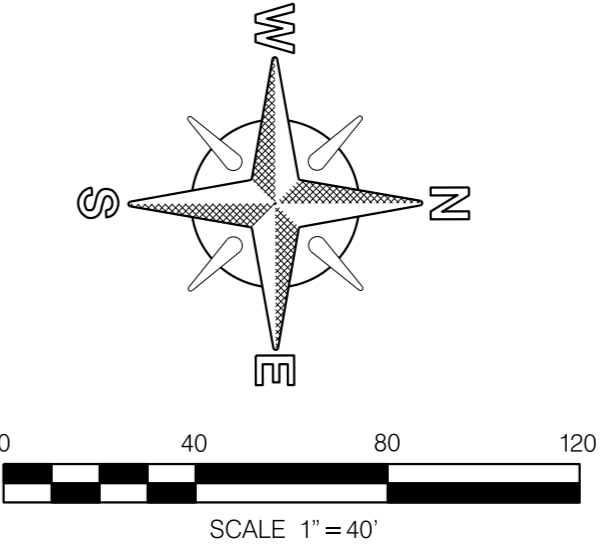


REFERENCE:
WATER: I2837-1, -2, -D, I2975-2-D
SEWER: I2837-1, -2, -D, I2975-2-D, 26253-5-D
STORM DRAIN: I9446-10-D
GAS: I5930-I19175
ELECTRIC: I5930-I19170, I5930-I19175
CABLE TV: 29921-II, -I2, -D
TELEPHONE: NONE
IMPROVEMENTS: I2837-D
100' SCALE/FIELD BOOK: G-II-S
THOMAS BROS.: I249: B-1, -2, -3

RETIREMENTS:
I2" - VC - 347.16' - 1966
MH - 4X3 - 2 - 1966

C-14

AC WATER AND SEWER GROUP 1042 CONVOY STREET RAYTHEON RD TO CLAIREMONT MESA BL	
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 15 OF 31 SHEET	WATER WBS BI7177 SEWER WBS BI7176
APPROVED: <i>Sheila Bose</i> FOR CITY ENGINEER SHEILA BOSE DATE 12/21/18	DESIGNED BY: JAIME RAMOS PROJECT MANAGER
CHECKED BY: JENNY JARRELL PROJECT ENGINEER	DESCRIPTION ORIGINAL
BY JJ/XN	APPROVED
DATE	FILED
CONTRACTOR	DATE STARTED
INSPECTOR	DATE COMPLETED
40350-15-D	

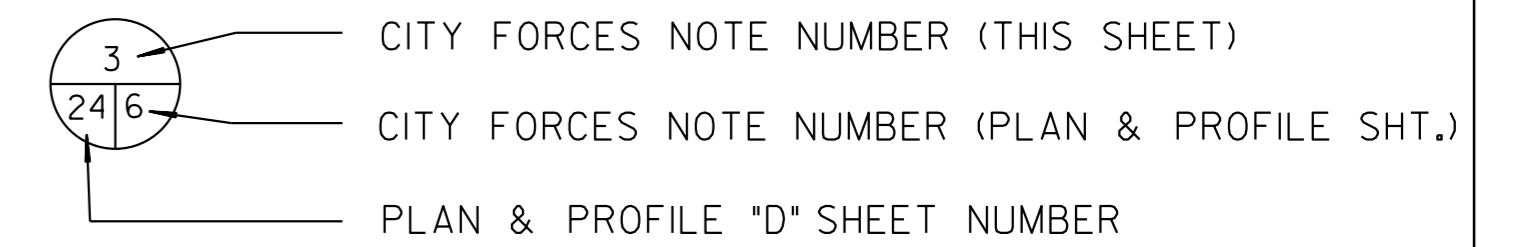


CONVOY STREET

WORK BY CITY FORCES

LEGEND

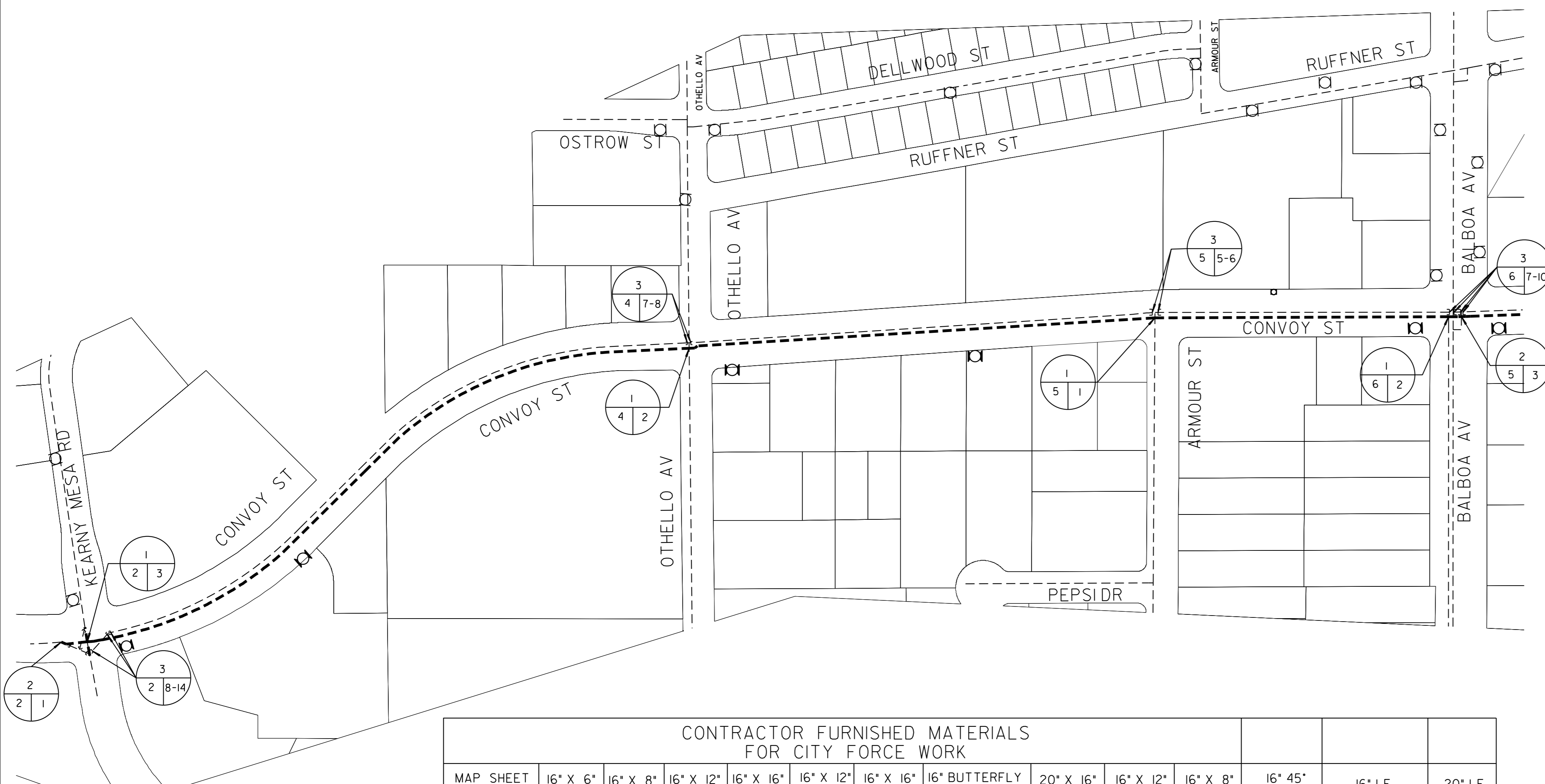
- EXISTING WATER MAIN
- PRESSURE ZONE BOUNDARY
- PROPOSED WATER MAIN
- FIRE HYDRANT TO REMAIN IN SERVICE DURING CONSTRUCTION
- ◻ FIRE HYDRANT TO BE REPLACED



- BC --- BEFORE CONTRACTOR
- AC --- AFTER CONTRACTOR

WORK BY CITY FORCES

- 1 BC - TEE/CROSS CUT-IN, OPEN/CLOSE VALVE(S)
AC - RECONNECT. OPEN VALVE(S)
- 2 BC - CUT & PLUG
AC - RECONNECT
- 3 BC - CUT AND ABANDON
- 4 AC - WET TAP
- 5 BC - CLOSE EX. VALVE (REPLACE IF NEEDED)
AC - OPEN EX. VALVE



CONTRACTOR FURNISHED MATERIALS
FOR CITY FORCE WORK

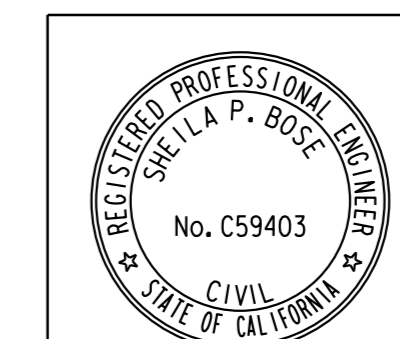
MAP SHEET NO.	16" X 6" TEE	16" X 8" TEE	16" X 12" TEE	16" X 16" TEE	16" X 12" CROSS	16" X 16" CROSS	16" BUTTERFLY VALVE	20" X 16" REDUCER	16" X 12" REDUCER	16" X 8" REDUCER	16" 45" BEND	16" LF	20" LF
2						1	4	2	1				
3													
4					1		2						
5			1				2						
6				1			3		1				
7						1	4		2				
8				1	1		5		1			15	
9						2	8		3	1			
10						1	4		2				
11				2			5		2				
12						1	4		2		2		
13							3		2				25
TOTAL			1	4	2	6	44	2	16	1	2	15	25

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AC WATER AND SEWER GROUP 1042
WORK BY CITY FORCES 1
SHEET 16 OF 31 SHEETS

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 16 OF 31 SHEETS

WATER WBS B1717
SEWER WBS B1716



APPROVED BY: *Sheila P. Bose*
FOR CITY ENGINEER
SHEILA BOSE
DATE: 12/21/18
PROJECT ENGINEER

DESIGNED BY: JAIME RAMOS
PROJECT MANAGER
CHECKED BY: JENNY JARRELL
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	JJ/XN			

SEE SHEETS
CCS27 COORDINATE
SEE SHEETS
CCS83 COORDINATE

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____
40350-16-D

WORK BY CITY FORCES

LEGEND

- EXISTING WATER MAIN
- PRESSURE ZONE BOUNDARY
- PROPOSED WATER MAIN

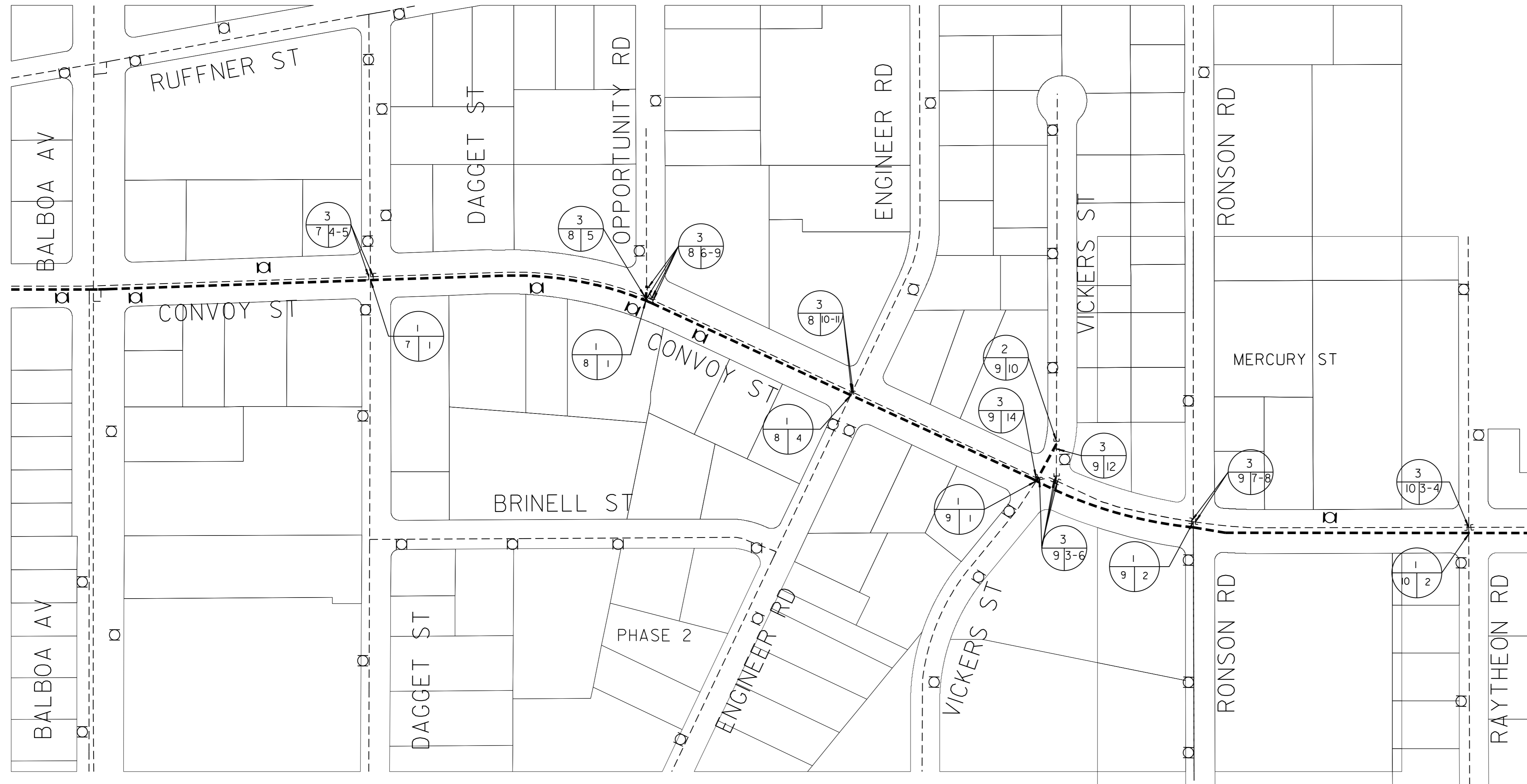
- FIRE HYDRANT TO REMAIN IN SERVICE DURING CONSTRUCTION
- FIRE HYDRANT TO BE REPLACED

- ③ CITY FORCES NOTE NUMBER (THIS SHEET)
- ③/24/6 CITY FORCES NOTE NUMBER (PLAN & PROFILE SHT.)
- PLAN & PROFILE "D" SHEET NUMBER

- BC --- BEFORE CONTRACTOR
- AC --- AFTER CONTRACTOR

WORK BY CITY FORCES

- ① BC - TEE/CROSS CUT-IN, OPEN/CLOSE VALVE(S)
AC - RECONNECT, OPEN VALVE(S)
- ② BC - CUT & PLUG
AC - RECONNECT
- ③ BC - CUT AND ABANDON
- ④ AC - WET TAP
- ⑤ BC - CLOSE EX. VALVE (REPLACE IF NEEDED)
AC - OPEN EX. VALVE

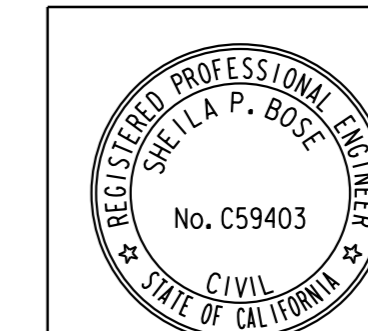


C-16

AC WATER AND SEWER GROUP 1042
WORK BY CITY FORCES 2

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 17 OF 31 SHEETS

WATER WBS BI7177
SEWER WBS BI7176



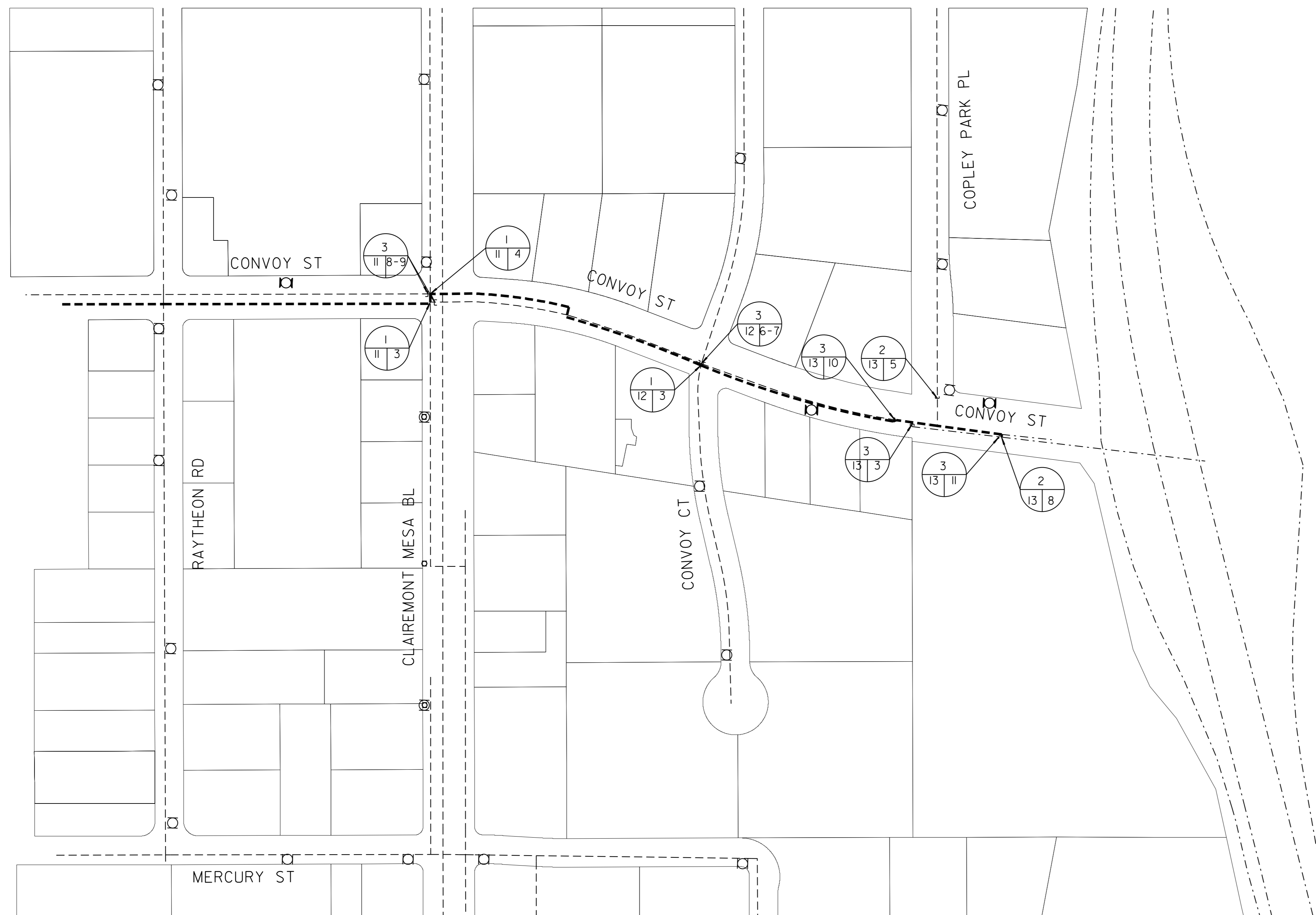
APPROVED BY: *Sheila Bose* 12/21/18
FOR CITY ENGINEER SHEILA BOSE DATE
PROJECT ENGINEER JENNY JARRELL
PROJECT MANAGER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	JJ/XN			
SEE SHEETS				
CCS27 COORDINATE				
SEE SHEETS				
CCS83 COORDINATE				

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

40350-17-D

WORK BY CITY FORCES



LEGEND

- EXISTING WATER MAIN
- PRESSURE ZONE BOUNDARY
- .-.-.- PROPOSED WATER MAIN
- ⊗ FIRE HYDRANT TO REMAIN IN SERVICE DURING CONSTRUCTION
- FIRE HYDRANT TO BE REPLACED
- ③ CITY FORCES NOTE NUMBER (THIS SHEET)
- ②④⑥ CITY FORCES NOTE NUMBER (PLAN & PROFILE SHT.)
- PLAN & PROFILE "D" SHEET NUMBER
- BC --- BEFORE CONTRACTOR
- AC --- AFTER CONTRACTOR

WORK BY CITY FORCES

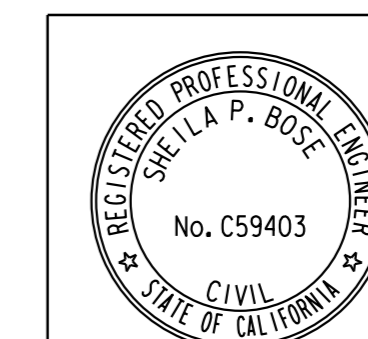
- ① BC - TEE/CROSS CUT-IN, OPEN/CLOSE VALVE(S)
AC - RECONNECT. OPEN VALVE(S)
- ② BC - CUT & PLUG
AC - RECONNECT
- ③ BC - CUT AND ABANDON
- ④ AC - WET TAP
- ⑤ BC - CLOSE EX. VALVE (REPLACE IF NEEDED)
AC - OPEN EX. VALVE

C-17

AC WATER AND SEWER GROUP 1042
WORK BY CITY FORCES 3

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 18 OF 31 SHEETS

WATER WBS BI7177
SEWER WBS BI7176



APPROVED: *Sheila Bose* 12/21/18
FOR CITY ENGINEER SHEILA BOSE DATE
PROJECT ENGINEER JENNY JARRELL
PROJECT MANAGER JAIME RAMOS

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	JJ/XN			
SEE SHEETS				
CCS27 COORDINATE				
SEE SHEETS				
CCS83 COORDINATE				

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

40350-18-D

THRUST BLOCK TABLES

THRUST/ANCHOR TABLE FOR 16" AND LARGER WATER MAINS							
SHEET NO.	PIPE STATIONING	TYPE OF BLOCK	TYPE OF APPURTENANCE	DESIGN PRESSURE	TOTAL THRUST (lb)	ASSUMED SOIL CAPACITY	MINIMUM BEARING AREA (sq. ft.), SEE NOTE 3 BELOW OR VOLUME OF BLOCK (cu. ft.)
2	I+10.00	THRUST	16" 22.5" BEND	235 LB/SQ. IN.	21,803	1500 LB/SQ. FT.	55 CU. FT.
2	I+42.76	THRUST	16" X 16" CROSS	235 LB/SQ. IN.	79,026	1500 LB/SQ. FT.	198 CU. FT.
2	I+42.76	THRUST	20" X 16" REDUCER	235 LB/SQ. IN.	17,947	1500 LB/SQ. FT.	45 CU. FT.
2	I+42.76	THRUST	20" X 16" REDUCER	235 LB/SQ. IN.	17,947	1500 LB/SQ. FT.	45 CU. FT.
2	I+42.76	THRUST	16" X 12" REDUCER	235 LB/SQ. IN.	23,721	1500 LB/SQ. FT.	59 CU. FT.
2	2+14.01	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
2	3+47.81	THRUST	16" X 8" TEE	235 LB/SQ. IN.	15,117	1500 LB/SQ. FT.	38 CU. FT.
2	4+05.20	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
2	8+96.62	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
3	9+40.02	THRUST	16" X 8" TEE	235 LB/SQ. IN.	15,117	1500 LB/SQ. FT.	38 CU. FT.
4	16+19.56	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
4	16+64.95	THRUST	16" X 12" CROSS	235 LB/SQ. IN.	45,480	1500 LB/SQ. FT.	114 CU. FT.
4	17+09.95	THRUST	16" 45" BEND	235 LB/SQ. IN.	42,769	1500 LB/SQ. FT.	107 CU. FT.
4	17+21.97	THRUST	16" 45" BEND	235 LB/SQ. IN.	42,769	1500 LB/SQ. FT.	107 CU. FT.
4	20+41.59	THRUST	16" X 6" TEE	305 LB/SQ. IN.	11,405	1500 LB/SQ. FT.	29 CU. FT.
4	23+30.62	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
5	26+98.31	THRUST	16" X 12" TEE	235 LB/SQ. IN.	32,159	1500 LB/SQ. FT.	80 CU. FT.
5	27+63.72	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
5	29+58.54	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
5	29+68.27	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.

NOTES: • THE SPECIFIC WEIGHT OF CONCRETE IS 140LB/CU.FT. SAFETY FACTOR = 1.5
 1. FOR ADDITIONAL THRUST BLOCK, ANCHOR BLOCKS DETAILS AND NOTES SEE SDW-151.
 2. REFER TO SPECIFICATIONS SECTION 306-1.2.14 FOR ADDITIONAL REQUIREMENTS.
 3. FOR ESTIMATING THE CY QUANTITY FOR THRUST BLOCKS, THE DEPTH OF THE THRUST BLOCKS SHALL BE HALF OF THE TRENCH WIDTH PLUS 12" EMBEDMENT.

THRUST/ANCHOR TABLE FOR 16" AND LARGER WATER MAINS							
SHEET NO.	PIPE STATIONING	TYPE OF BLOCK	TYPE OF APPURTENANCE	DESIGN PRESSURE	TOTAL THRUST (lb)	ASSUMED SOIL CAPACITY	MINIMUM BEARING AREA (sq. ft.), SEE NOTE 3 BELOW OR VOLUME OF BLOCK (cu. ft.)
6	32+75.83	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
6	33+49.21	THRUST	16" X 12" CROSS	235 LB/SQ. IN.	45,480	1500 LB/SQ. FT.	114 CU. FT.
6	33+49.21	THRUST	16" X 12" REDUCER	235 LB/SQ. IN.	23,721	1500 LB/SQ. FT.	59 CU. FT.
6	33+87.84	THRUST	16" X 12" TEE	235 LB/SQ. IN.	32,159	1500 LB/SQ. FT.	80 CU. FT.
6	34+40.17	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
6	37+12.05	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
7	40+17.28	THRUST	16" X 16" CROSS	235 LB/SQ. IN.	55,880	1500 LB/SQ. FT.	198 CU. FT.
7	40+17.28	THRUST	16" X 12" REDUCER	235 LB/SQ. IN.	23,721	1500 LB/SQ. FT.	59 CU. FT.
7	40+17.28	THRUST	16" X 12" REDUCER	235 LB/SQ. IN.	23,721	1500 LB/SQ. FT.	59 CU. FT.
7	42+14.60	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
7	44+08.68	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
8	46+75.58	THRUST	16" X 16" TEE	235 LB/SQ. IN.	55,880	1500 LB/SQ. FT.	140 CU. FT.
8	46+75.58	THRUST	16" 22.5" BEND	235 LB/SQ. IN.	21,803	1500 LB/SQ. FT.	55 CU. FT.
8	48+42.79	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
8	50+13.38	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
8	52+28.09	THRUST	16" X 12" CROSS	235 LB/SQ. IN.	45,480	1500 LB/SQ. FT.	114 CU. FT.

NOTES: • THE SPECIFIC WEIGHT OF CONCRETE IS 140LB/CU.FT. SAFETY FACTOR = 1.5
 1. FOR ADDITIONAL THRUST BLOCK, ANCHOR BLOCKS DETAILS AND NOTES SEE SDW-151.
 2. REFER TO SPECIFICATIONS SECTION 306-1.2.14 FOR ADDITIONAL REQUIREMENTS.
 3. FOR ESTIMATING THE CY QUANTITY FOR THRUST BLOCKS, THE DEPTH OF THE THRUST BLOCKS SHALL BE HALF OF THE TRENCH WIDTH PLUS 12" EMBEDMENT.

THRUST/ANCHOR TABLE FOR 16" AND LARGER WATER MAINS							
SHEET NO.	PIPE STATIONING	TYPE OF BLOCK	TYPE OF APPURTENANCE	DESIGN PRESSURE	TOTAL THRUST (lb)	ASSUMED SOIL CAPACITY	MINIMUM BEARING AREA (sq. ft.), SEE NOTE 3 BELOW OR VOLUME OF BLOCK (cu. ft.)
9	57+17.98	THRUST	16" X 16" CROSS	235 LB/SQ. IN.	79,026	1500 LB/SQ. FT.	198 CU. FT.
9	57+17.98	THRUST	16" X 12" REDUCER	235 LB/SQ. IN.	23,721	1500 LB/SQ. FT.	59 CU. FT.
9	57+17.98	THRUST	16" X 8" REDUCER	235 LB/SQ. IN.	40,763	1500 LB/SQ. FT.	102 CU. FT.
9	61+20.99	THRUST	16" X 16" CROSS	235 LB/SQ. IN.	79,026	1500 LB/SQ. FT.	198 CU. FT.
9	61+20.99	THRUST	16" X 12" REDUCER	235 LB/SQ. IN.	23,721	1500 LB/SQ. FT.	59 CU. FT.
9	61+20.99	THRUST	16" X 12" REDUCER	235 LB/SQ. IN.	23,721	1500 LB/SQ. FT.	59 CU. FT.
10	64+60.16	THRUST	16" X 6" TEE	305 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	29 CU. FT.
10	67+79.02	THRUST	16" X 16" CROSS	305 LB/SQ. IN.	79,026	1500 LB/SQ. FT.	256 CU. FT.
10	57+17.98	THRUST	16" X 12" REDUCER	305 LB/SQ. IN.	30,787	1500 LB/SQ. FT.	77 CU. FT.
10	57+17.98	THRUST	16" X 12" REDUCER	305 LB/SQ. IN.	30,787	1500 LB/SQ. FT.	77 CU. FT.
11	71+07.87	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
11	72+32.02	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
11	74+33.94	THRUST	16" X 16" TEE	305 LB/SQ. IN.	72,525	1500 LB/SQ. FT.	181 CU. FT.
11	74+33.94	THRUST	16" X 12" REDUCER	305 LB/SQ. IN.	30,787	1500 LB/SQ. FT.	77 CU. FT.
11	74+63.94	THRUST	16" X 16" TEE	305 LB/SQ. IN.	72,525	1500 LB/SQ. FT.	181 CU. FT.
11	74+63.94	THRUST	16" X 12" REDUCER	305 LB/SQ. IN.	30,787	1500 LB/SQ. FT.	77 CU. FT.
11	76+16.86	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
11	77+63.83	THRUST	16" 90" BEND	235 LB/SQ. IN.	79,026	1500 LB/SQ. FT.	198 CU. FT.
11	77+94.35	THRUST	16" 90" BEND	235 LB/SQ. IN.	79,026	1500 LB/SQ. FT.	198 CU. FT.
12	78+13.03	THRUST	16" X 6" TEE	305 LB/SQ. IN.	11,405	1500 LB/SQ. FT.	29 CU. FT.
12	78+68.24	THRUST	16" X 6" TEE	305 LB/SQ. IN.	11,405	1500 LB/SQ. FT.	29 CU. FT.
12	81+71.76	THRUST	16" X 16" CROSS	305 LB/SQ. IN.	79,026	1500 LB/SQ. FT.	198 CU. FT.
12	81+71.76	THRUST	16" 45" BEND	305 LB/SQ. IN.	55,508	1500 LB/SQ. FT.	139 CU. FT.
12	81+71.76	THRUST	16" 45" BEND	305 LB/SQ. IN.	55,508	1500 LB/SQ. FT.	139 CU. FT.
12	81+71.76	THRUST	16" X 12" REDUCER	305 LB/SQ. IN.	30,787	1500 LB/SQ. FT.	77 CU. FT.
12	81+71.76	THRUST	16" X 12" REDUCER	305 LB/SQ. IN.	30,787	1500 LB/SQ. FT.	77 CU. FT.
12	84+85.18	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
12	85+02.29	THRUST	16" X 6" TEE	235 LB/SQ. IN.	8,787	1500 LB/SQ. FT.	22 CU. FT.
13	86+35.41	THRUST	16" 22.5" BEND	235 LB/SQ. IN.	21,803	1500 LB/SQ. FT.	55 CU. FT.
13	86+50.32	THRUST	16" 22.5" BEND	235 LB/SQ. IN.	21,803	1500 LB/SQ. FT.	55 CU. FT.
13	87+69.33	THRUST	16" X 16" TEE	305 LB/SQ. IN.	72,525	1500 LB/SQ. FT.	181 CU. FT.
13	87+69.33	THRUST	16" 11.25" BEND	305 LB/SQ. IN.	14,217	1500 LB/SQ. FT.	36 CU. FT.
13	87+69.33	THRUST	16" X 12" REDUCER	305 LB/SQ. IN.	30,787	1500 LB/SQ. FT.	77 CU. FT.
13	89+62.19	THRUST	16" 90" BEND	305 LB/SQ. IN.	102,566	1500 LB/SQ. FT.	256 CU. FT.
13	89+69.19	THRUST	16" X 16" TEE	305 LB/SQ. IN.	72,525	1500 LB/SQ. FT.	181 CU. FT.
13	89+69.19	THRUST	16" X 6" REDUCER	305 LB/SQ. IN.	61,120	1500 LB/SQ. FT.	153 CU. FT.

NOTES: • THE SPECIFIC WEIGHT OF CONCRETE IS 140LB/CU.FT. SAFETY FACTOR = 1.5
 1. FOR ADDITIONAL THRUST BLOCK, ANCHOR BLOCKS DETAILS AND NOTES SEE SDW-151.
 2. REFER TO SPECIFICATIONS SECTION 306-1.2.14 FOR ADDITIONAL REQUIREMENTS.
 3. FOR ESTIMATING THE CY QUANTITY FOR THRUST BLOCKS, THE DEPTH OF THE THRUST BLOCKS SHALL BE HALF OF THE TRENCH WIDTH PLUS 12" EMBEDMENT.

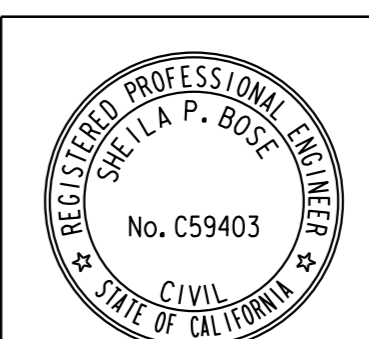
C-18

AC WATER AND SEWER GROUP 1042
THRUST BLOCK TABLE

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 19 OF 31 SHEETS

WATER WBS B1717
SEWER WBS B1716

APPROVED BY: *Sheila B* 12/21/18
FOR CITY ENGINEER SHEILA BOSE
DATE: 12/21/18
PROJECT MANAGER: JAIME RAMOS
PROJECT ENGINEER: JENNY JARRELL



DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	KN/DA			

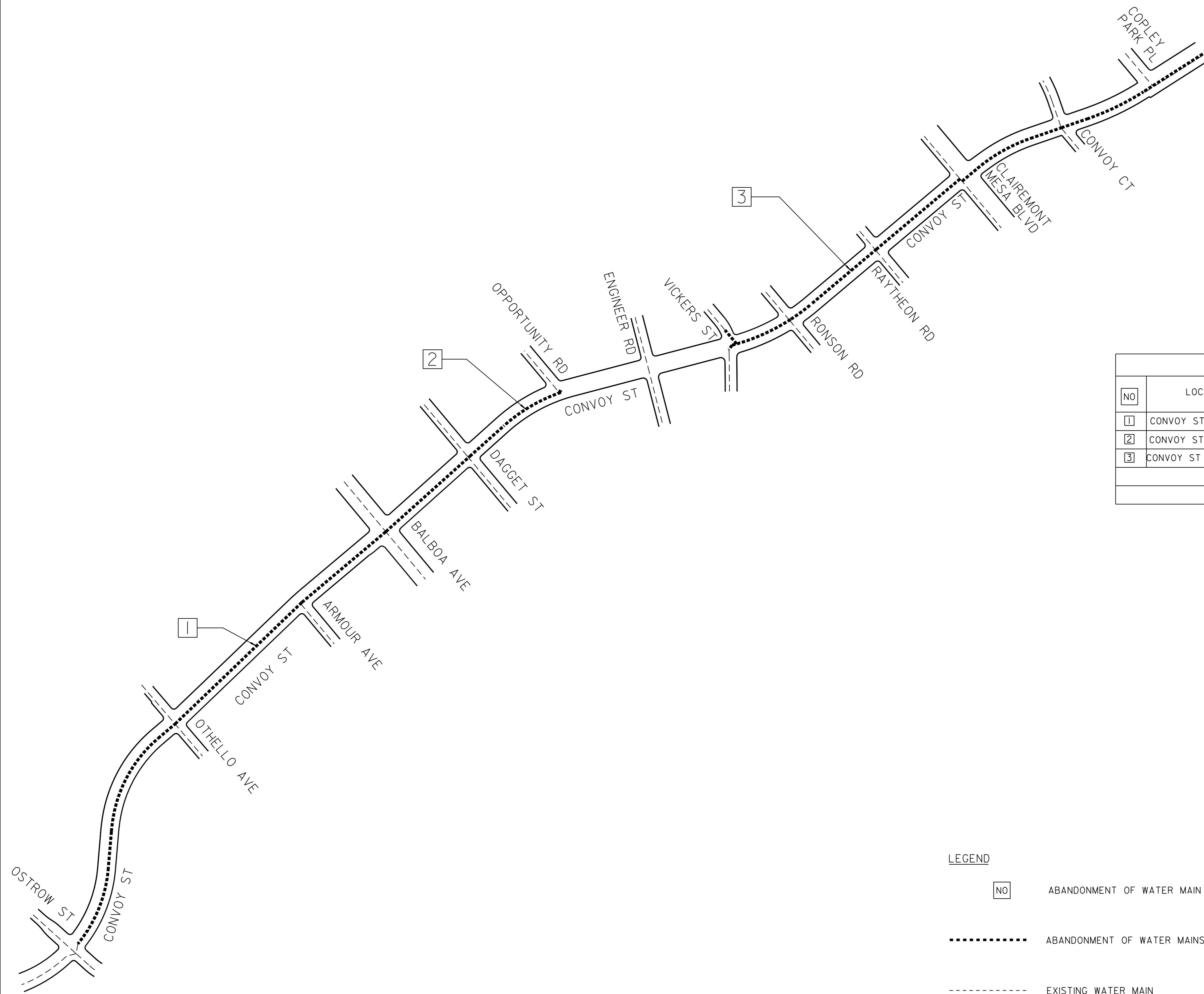
SEE SHEETS
CCS27 COORDINATE
SEE SHEETS
CCS83 COORDINATE

CONTRACTOR: _____ DATE STARTED: _____
INSPECTOR: _____ DATE COMPLETED: _____

40208-19-D

THRUST BLOCK TABLES

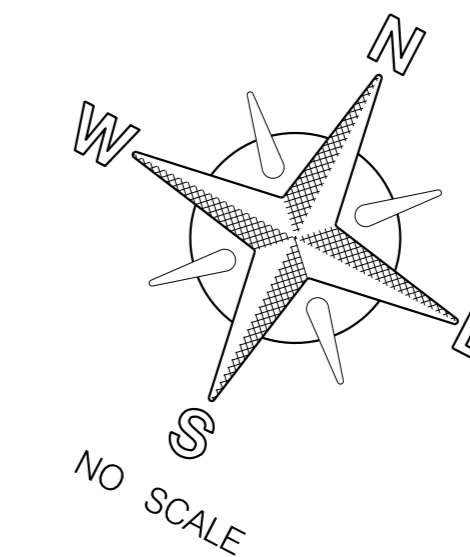
WATER ABANDONMENT



ABANDONMENT OF WATER MAINS				
NO	LOCATION	SIZE OF PIPE	MATERIAL	LENGTH FT
1	CONVOY ST FROM OSTROW TO BALBOA	12"	AC	3,250
2	CONVOY ST FROM BALBOA TO OPPORTUNITY	16"	AC	1,400
3	CONVOY ST FROM VICKERS TO COPLEY PARK	12"	AC	3,287
TOTAL ABANDONMENT OF WATER MAINS				7,937

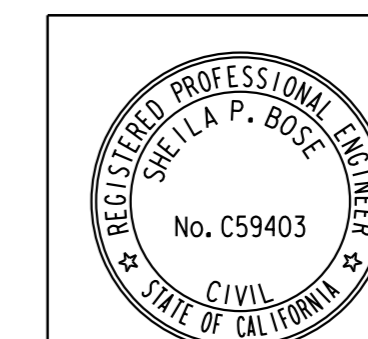
LEGEND

- NO ABANDONMENT OF WATER MAIN NO'S
- ABANDONMENT OF WATER MAINS
- EXISTING WATER MAIN



C-19

WATER ABANDONMENT AC WATER AND SEWER GROUP 1042			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 20 OF 31 SHEETS		WATER WBS BI7177 SEWER WBS BI7176	
APPROVED: <i>[Signature]</i> 12/21/18 FOR CITY ENGINEER DATE		SUBMITTED BY: JAIME RAMOS PROJECT MANAGER	
PRINT NAME: _____ RCE# _____		CHECKED BY: JENNY JARRELL PROJECT ENGINEER	
DESCRIPTION ORIGINAL	BY JJ/KN	APPROVED DATE FILMED 	
CONTRACTOR _____ DATE STARTED _____ INSPECTOR _____ DATE COMPLETED _____		SEE SHEETS CC527 COORDINATE SEE SHEETS CC583 COORDINATE 40350-20-D	



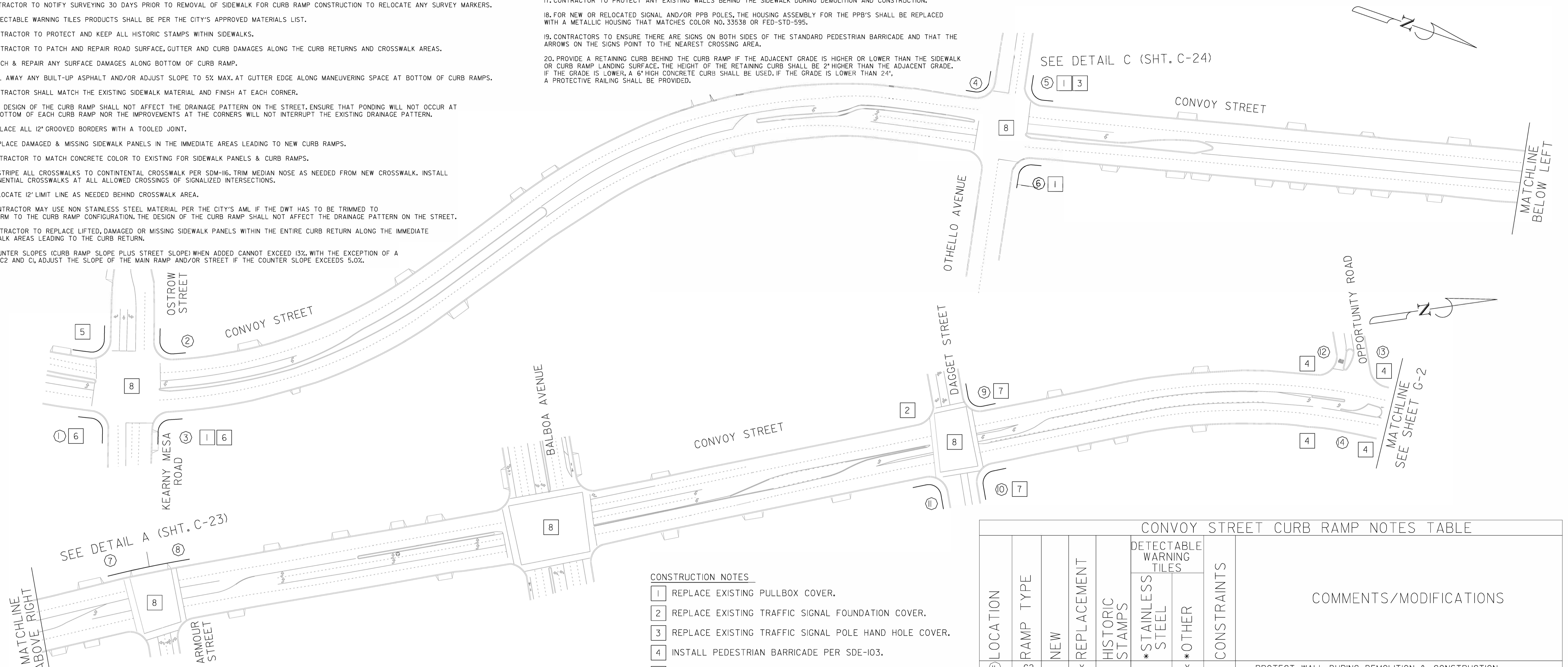
WATER ABANDONMENT

GENERAL CURB RAMP NOTES:

1. CONTRACTOR TO NOTIFY SURVEYING 30 DAYS PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.
2. DETECTABLE WARNING TILES PRODUCTS SHALL BE PER THE CITY'S APPROVED MATERIALS LIST.
3. CONTRACTOR TO PROTECT AND KEEP ALL HISTORIC STAMPS WITHIN SIDEWALKS.
4. CONTRACTOR TO PATCH AND REPAIR ROAD SURFACE, GUTTER AND CURB DAMAGES ALONG THE CURB RETURNS AND CROSSWALK AREAS.
5. PATCH & REPAIR ANY SURFACE DAMAGES ALONG BOTTOM OF CURB RAMP.
6. MILL AWAY ANY BUILT-UP ASPHALT AND/OR ADJUST SLOPE TO 5% MAX. AT GUTTER EDGE ALONG MANEUVERING SPACE AT BOTTOM OF CURB RAMPS.
7. CONTRACTOR SHALL MATCH THE EXISTING SIDEWALK MATERIAL AND FINISH AT EACH CORNER.
8. THE DESIGN OF THE CURB RAMP SHALL NOT AFFECT THE DRAINAGE PATTERN ON THE STREET. ENSURE THAT PONDING WILL NOT OCCUR AT THE BOTTOM OF EACH CURB RAMP NOR THE IMPROVEMENTS AT THE CORNERS WILL NOT INTERRUPT THE EXISTING DRAINAGE PATTERN.
9. REPLACE ALL 12" GROOVED BORDERS WITH A TOOLED JOINT.
10. REPLACE DAMAGED & MISSING SIDEWALK PANELS IN THE IMMEDIATE AREAS LEADING TO NEW CURB RAMPS.
11. CONTRACTOR TO MATCH CONCRETE COLOR TO EXISTING FOR SIDEWALK PANELS & CURB RAMPS.
12. RESTRIPE ALL CROSSWALKS TO CONTINENTAL CROSSWALK PER SDM-116. TRIM MEDIAN NOSE AS NEEDED FROM NEW CROSSWALK. INSTALL CONTINENTAL CROSSWALKS AT ALL ALLOWED CROSSINGS OF SIGNALIZED INTERSECTIONS.
13. RELOCATE 12" LIMIT LINE AS NEEDED BEHIND CROSSWALK AREA.
14. CONTRACTOR MAY USE NON STAINLESS STEEL MATERIAL PER THE CITY'S AML IF THE DWT HAS TO BE TRIMMED TO CONFORM TO THE CURB RAMP CONFIGURATION. THE DESIGN OF THE CURB RAMP SHALL NOT AFFECT THE DRAINAGE PATTERN ON THE STREET.
15. CONTRACTOR TO REPLACE LIFTED, DAMAGED OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN.
16. COUNTER SLOPES (CURB RAMP SLOPE PLUS STREET SLOPE) WHEN ADDED CANNOT EXCEED 13%. WITH THE EXCEPTION OF A TYPE C2 AND C1, ADJUST THE SLOPE OF THE MAIN RAMP AND/OR STREET IF THE COUNTER SLOPE EXCEEDS 5.0%.

GENERAL CURB RAMP NOTES (CONT.):

17. CONTRACTOR TO PROTECT ANY EXISTING WALLS BEHIND THE SIDEWALK DURING DEMOLITION AND CONSTRUCTION.
18. 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 OR FED-STD-595.
19. CONTRACTORS TO ENSURE THERE ARE SIGNS ON BOTH SIDES OF THE STANDARD PEDESTRIAN BARRICADE AND THAT THE ARROWS ON THE SIGNS POINT TO THE NEAREST CROSSING AREA.
20. 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 THAN 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.



CONSTRUCTION NOTES

- 1 REPLACE EXISTING PULLBOX COVER.
- 2 REPLACE EXISTING TRAFFIC SIGNAL FOUNDATION COVER.
- 3 REPLACE EXISTING TRAFFIC SIGNAL POLE HAND HOLE COVER.
- 4 INSTALL PEDESTRIAN BARRICADE PER SDE-I03.
- 5 PEDESTRIAN RAMP PREVIOUSLY INSTALLED BY OTHERS.
- 6 INSTALL 6" RETAINING CURB BEHIND ENTIRE CURB RAMP.
- 7 PROVIDE 48" ACCESSIBLE PATH AROUND EX. POLE.
- 8 SIGNALIZED INTERSECTION.

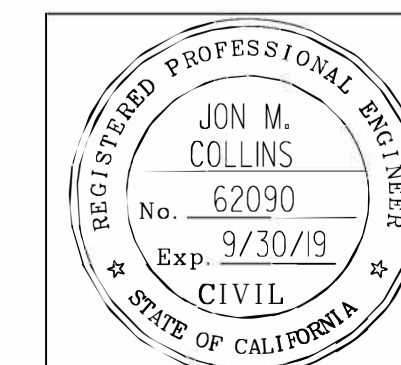
LOCATION	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	DETECTABLE WARNING TILES		CONSTRAINTS	COMMENTS/MODIFICATIONS
					* STAINLESS STEEL	* OTHER		
1	C2		X			X		PROTECT WALL DURING DEMOLITION & CONSTRUCTION.
2	C2		X			X		SEE CONSTRUCTION NOTE 4.
3	C2		X			X		SEE CONSTRUCTION NOTE 4.
4	N/A							SEE CONSTRUCTION NOTE 4.

NOTE: • THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST

LOCATION	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	DETECTABLE WARNING TILES		CONSTRAINTS	COMMENTS/MODIFICATIONS
					* STAINLESS STEEL	* OTHER		
1	C2		X			X		
2	C1		X			X		RELOCATE PPB TO BACK OF BOTTOM LANDING IN FRONT OF RETAINING CURB.
3	C2		X			X		SEE CONSTRUCTION NOTES 1 & 6.
4	C2		X			X		SEE DETAIL C. SEE SHEET G-5
5	C2		X			X		SEE CONSTRUCTION NOTES 1 AND 3. PEDESTRIAN PUSH BUTTONS TO MEET MUTCD AND ADA REQUIREMENTS.
6	C2		X			X		REPLACE EX. CURB AT BACK OF RAMP WITH STD. CURB AND CN I.
7	B		X			X		SEE DETAIL A. SEE SHEET G-3
8	B		X			X		SEE DETAIL A. SEE SHEET G-3
9	C2		X			X		
10	C2		X			X		

NOTE: • THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST

PROPOSED CURB RAMPS PER STANDARD DRAWINGS:
 CURB RAMP A & B SDG-133
 CURB RAMP - TYPE C1 SDG-135
 CURB RAMP - TYPE C2 SDG-135
 CURB RAMP - TYPE D SDG-137
 CASE A, B AND C SDG-138
 SUPPLEMENTAL DETAILS SDG-130
 EX STAMP/IMPRESSION PLACEMENT SDG-115
 CONCRETE SIDEWALK SDG-155, SDG-156



**PLANS FOR THE CONSTRUCTION OF
AC WATER AND SEWER GROUP 1042
PEDESTRIAN RAMP PLANS
KEYMAP (SHEET 1 OF 2)**

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 21 OF 31 SHEETS

APPROVED: *Sheila Bose* 12/21/18
FOR CITY ENGINEER DATE
SHEILA BOSE C59403
PRINT NAME RCE#

WATER WBS B-17177
SEWER WBS B-17176

SUBMITTED BY: JAIME RAMOS
PROJECT MANAGER
CHECKED BY: JENNY JARRELL
PROJECT ENGINEER

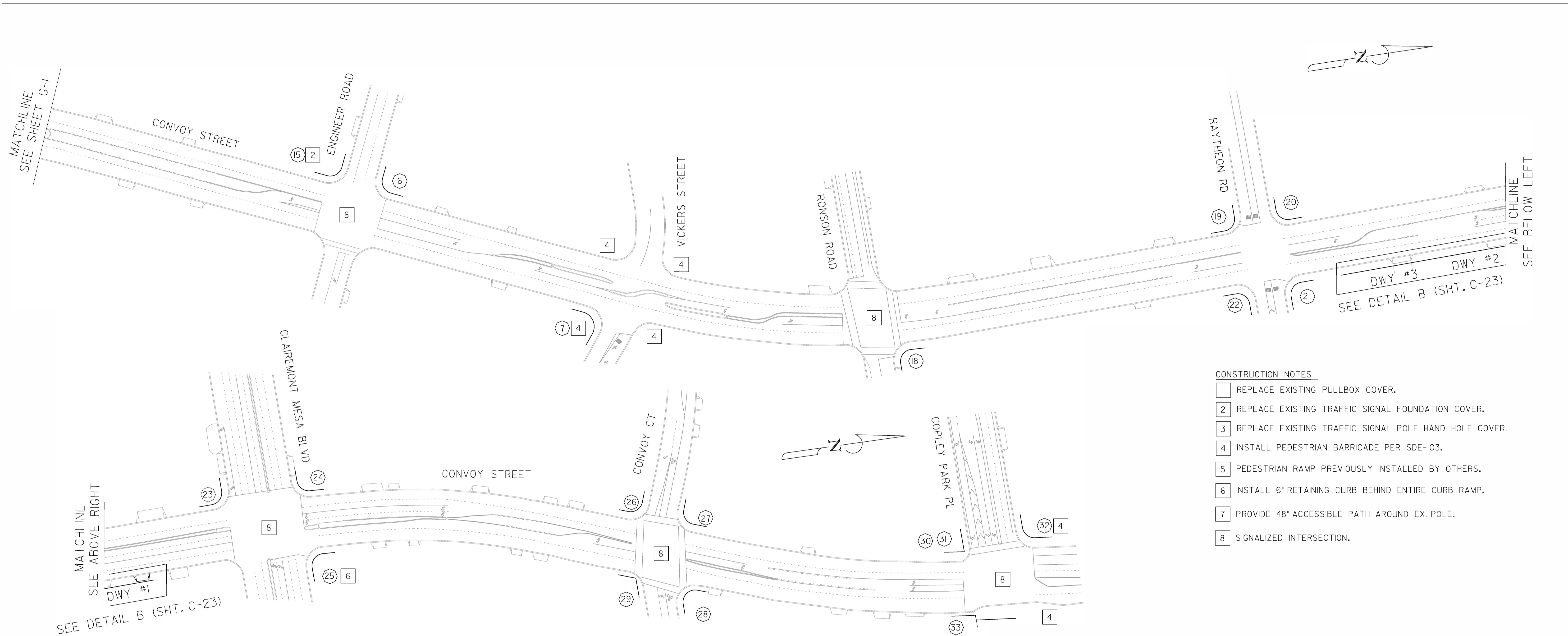
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CJ/JC			

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

CCS87 COORDINATE _____
CCS83 COORDINATE _____
40350-21-D

CONVOY STREET

C-20



- CONSTRUCTION NOTES**
- 1 REPLACE EXISTING PULLBOX COVER.
 - 2 REPLACE EXISTING TRAFFIC SIGNAL FOUNDATION COVER.
 - 3 REPLACE EXISTING TRAFFIC SIGNAL POLE HAND HOLE COVER.
 - 4 INSTALL PEDESTRIAN BARRICADE PER SDE-103.
 - 5 PEDESTRIAN RAMP PREVIOUSLY INSTALLED BY OTHERS.
 - 6 INSTALL 6" RETAINING CURB BEHIND ENTIRE CURB RAMP.
 - 7 PROVIDE 48" ACCESSIBLE PATH AROUND EX. POLE.
 - 8 SIGNALIZED INTERSECTION.

CONVOY STREET CURB RAMP NOTES TABLE

LOCATION	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	DETECTABLE WARNING TILES		CONSTRAINTS	COMMENTS/MODIFICATIONS
					*STAINLESS STEEL	*OTHER		
15	C2		X			X		SEE CONSTRUCTION NOTE 2.
16	C2		X			X		
17	C2		X			X		SEE CONSTRUCTION NOTE 4. BLOCK ACCESS ACROSS CONVOY.
18	C2		X			X		
19	C2		X			X		RELOCATE LIMIT LINE BACK.
20	C1		X			X		
21	C2		X			X		RELOCATE LIMIT LINE BACK.
22	C2		X			X		
23	A		X			X		CUT BACK MEDIAN NOSE SOUTH SIDE OF INTERSECTION.
24	C2		X			X		CUT BACK MEDIAN NOSE NORTH SIDE OF INTERSECTION.
25	A		X			X		CUT BACK MEDIAN NOSE EAST SIDE OF INTERSECTION.
26	A		X			X		
27	A		X			X		
28	C2		X			X		

NOTE: * THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST

CONVOY STREET CURB RAMP NOTES TABLE

LOCATION	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	DETECTABLE WARNING TILES		CONSTRAINTS	COMMENTS/MODIFICATIONS
					*STAINLESS STEEL	*OTHER		
29	C1		X			X		INSTALL PPB POST AT BOTTOM OF RAMP.
30	A		X			X		DUAL RAMPS PER SDG-134.
31	B		X			X		
32	A		X			X		SEE CONSTRUCTION NOTE 4.
33	B		X			X		REMOVE EX. CURB RAMP. INSTALL CONTIGOUS SIDEWALK PER SDG-155 AND SDG-156 UP TO NEAREST JOINT. EX. UTILITY UNDERGROUND VAULT PROTECT-IN-PLACE.

NOTE: * THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST

PROPOSED CURB RAMPS PER STANDARD DRAWINGS:
 CURB RAMP A & B SDG-133
 CURB RAMP - TYPE C1 SDG-135
 CURB RAMP - TYPE C2 SDG-135
 CURB RAMP - TYPE D SDG-137
 CASE A, B AND C SDG-138
 SUPPLEMENTAL DETAILS SDG-130
 EX STAMP/IMPRESSION PLACEMENT SDG-115
 CONCRETE SIDEWALK SDG-155, SDG-156

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**PLANS FOR THE CONSTRUCTION OF
 AC WATER AND SEWER GROUP 1042
 PEDESTRIAN RAMP PLANS
 KEYMAP (SHEET 2 OF 2)**

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 22 OF 31 SHEETS

WATER WBS B-17177
 SEWER WBS B-17176

APPROVED: *[Signature]* 12/21/18
 FOR CITY ENGINEER: SHEILA BOSE DATE: C59403
 PRINT NAME: SHEILA BOSE RCE#

SUBMITTED BY: JAIME RAMOS
 PROJECT MANAGER
 CHECKED BY: JENNY JARRELL
 PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CJ/JC			

CCS87 COORDINATE
 CCS83 COORDINATE
 40350-22-D



CONTRACTOR
 INSPECTOR

DATE STARTED
 DATE COMPLETED

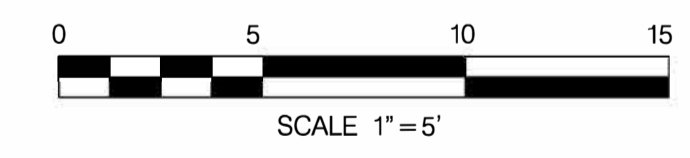
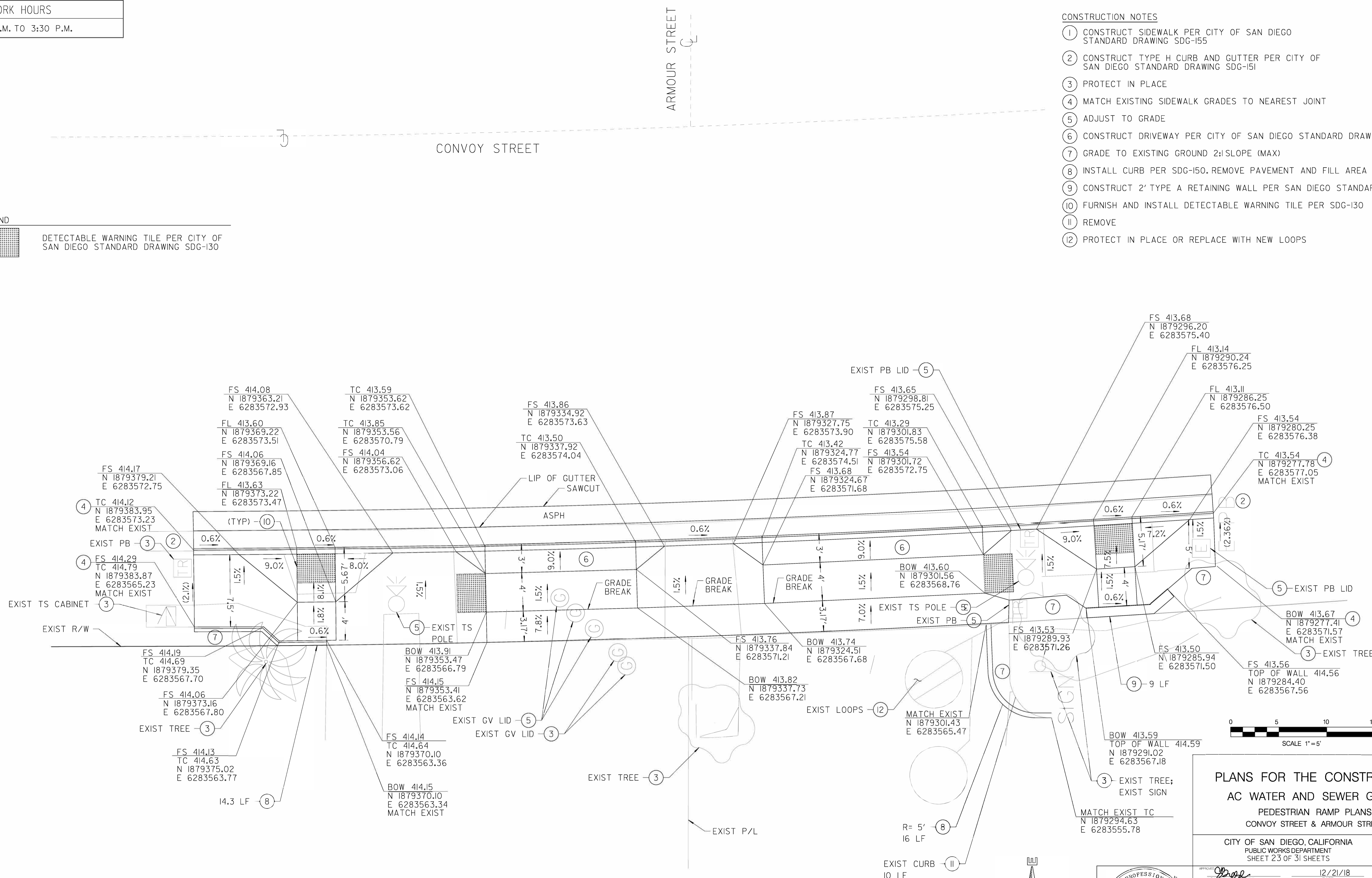
CONVOY STREET

WORK HOURS
9:00 A.M. TO 3:30 P.M.

- CONSTRUCTION NOTES**
- ① CONSTRUCT SIDEWALK PER CITY OF SAN DIEGO STANDARD DRAWING SDG-155
 - ② CONSTRUCT TYPE H CURB AND GUTTER PER CITY OF SAN DIEGO STANDARD DRAWING SDG-151
 - ③ PROTECT IN PLACE
 - ④ MATCH EXISTING SIDEWALK GRADES TO NEAREST JOINT
 - ⑤ ADJUST TO GRADE
 - ⑥ CONSTRUCT DRIVEWAY PER CITY OF SAN DIEGO STANDARD DRAWING SDG-159
 - ⑦ GRADE TO EXISTING GROUND 2:1 SLOPE (MAX)
 - ⑧ INSTALL CURB PER SDG-150. REMOVE PAVEMENT AND FILL AREA WITH LANDSCAPE.
 - ⑨ CONSTRUCT 2' TYPE A RETAINING WALL PER SAN DIEGO STANDARD DRAWING C-9
 - ⑩ FURNISH AND INSTALL DETECTABLE WARNING TILE PER SDG-130
 - ⑪ REMOVE
 - ⑫ PROTECT IN PLACE OR REPLACE WITH NEW LOOPS

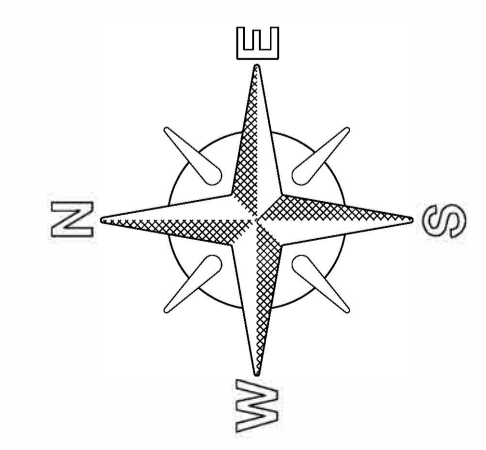
LEGEND

 DETECTABLE WARNING TILE PER CITY OF SAN DIEGO STANDARD DRAWING SDG-130



C-22

DETAIL A



PLANS FOR THE CONSTRUCTION OF
AC WATER AND SEWER GROUP 1042
PEDESTRIAN RAMP PLANS
CONVOY STREET & ARMOUR STREET

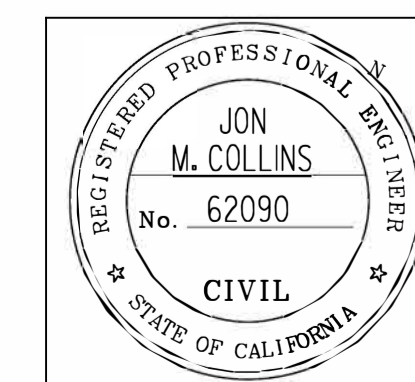
CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 23 OF 31 SHEETS

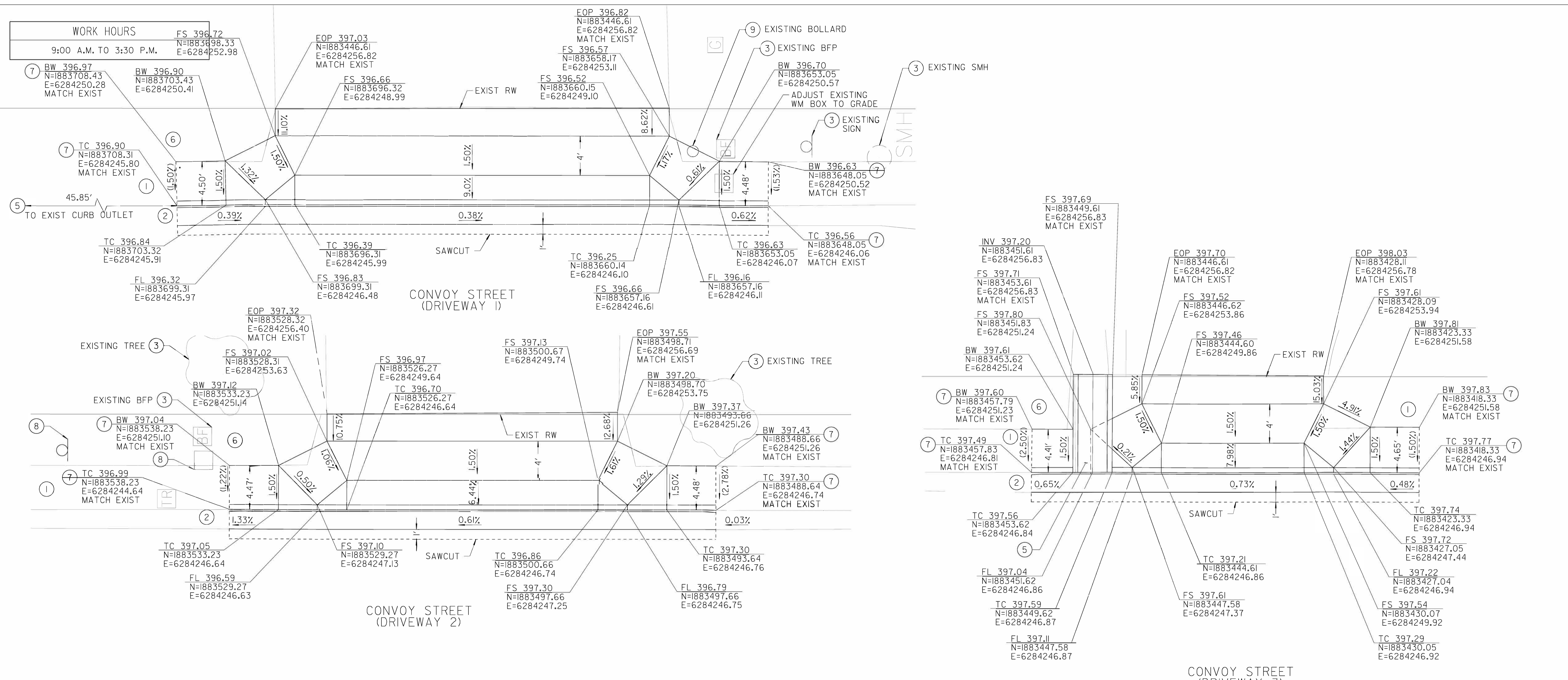
APPROVED: *Sheila Bose* 12/21/18
FOR CITY ENGINEER: SHEILA BOSE DATE: 12/21/18
PRINT NAME: SHEILA BOSE RCE#: C59403
SUBMITTED BY: JAIME RAMOS
PROJECT MANAGER: JENNY JARRELL
CHECKED BY: JENNY JARRELL
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CJJ/JC			

CONTRACTOR: _____ DATE STARTED: _____
INSPECTOR: _____ DATE COMPLETED: _____

CCS87 COORDINATE
CCS83 COORDINATE
40350-23-D

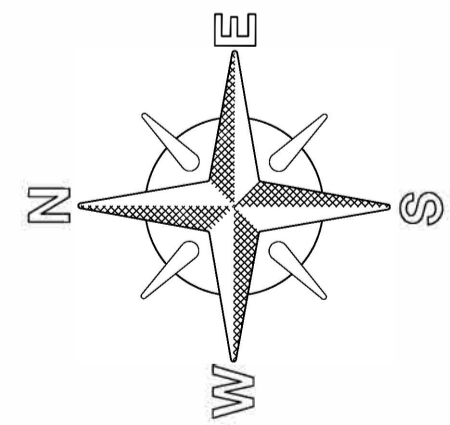
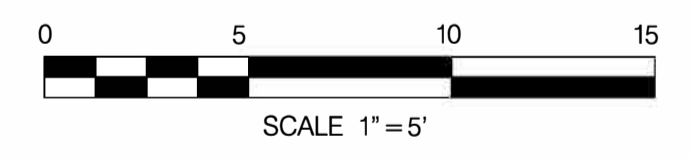




CONSTRUCTION NOTES

- ① CONSTRUCT SIDEWALK PER CITY OF SAN DIEGO STANDARD DRAWING SDG-155
- ② CONSTRUCT CURB AND GUTTER PER CITY OF SAN DIEGO STANDARD DRAWING SDG-151
- ③ PROTECT IN PLACE
- ④ CONSTRUCT DRIVEWAY PER CITY OF SAN DIEGO STANDARD DRAWING SDG-159
- ⑤ CONSTRUCT CURB OUTLET PER CITY OF SAN DIEGO STANDARD DRAWING D-25 AT N=1883754.16, E=6284245.67 AND N=1883449.62, E=6284246.87
- ⑥ GRADE BEHIND BACK OF WALK TO EXISTING GROUND 4% SLOPE (MAX)
- ⑦ MATCH EXISTING SIDEWALK GRADES TO NEAREST JOINT
- ⑧ RELOCATE EXISTING W3-3 SIGN TO BACK OF SIDEWALK AND GRIND POST TO SIDEWALK ELEVATION
- ⑨ REMOVE

DETAIL B

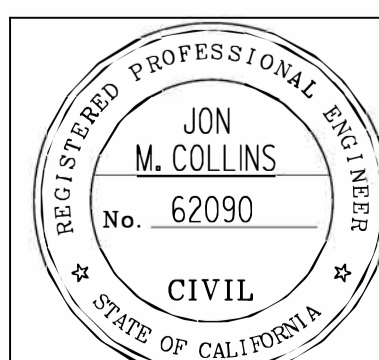


C-23

**PLANS FOR THE CONSTRUCTION OF
AC WATER AND SEWER GROUP 1042
PEDESTRIAN RAMP PLANS
CONVOY STREET & RAYTHEON ROAD**

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 24 OF 31 SHEETS

WBS B-17176/
B-17177



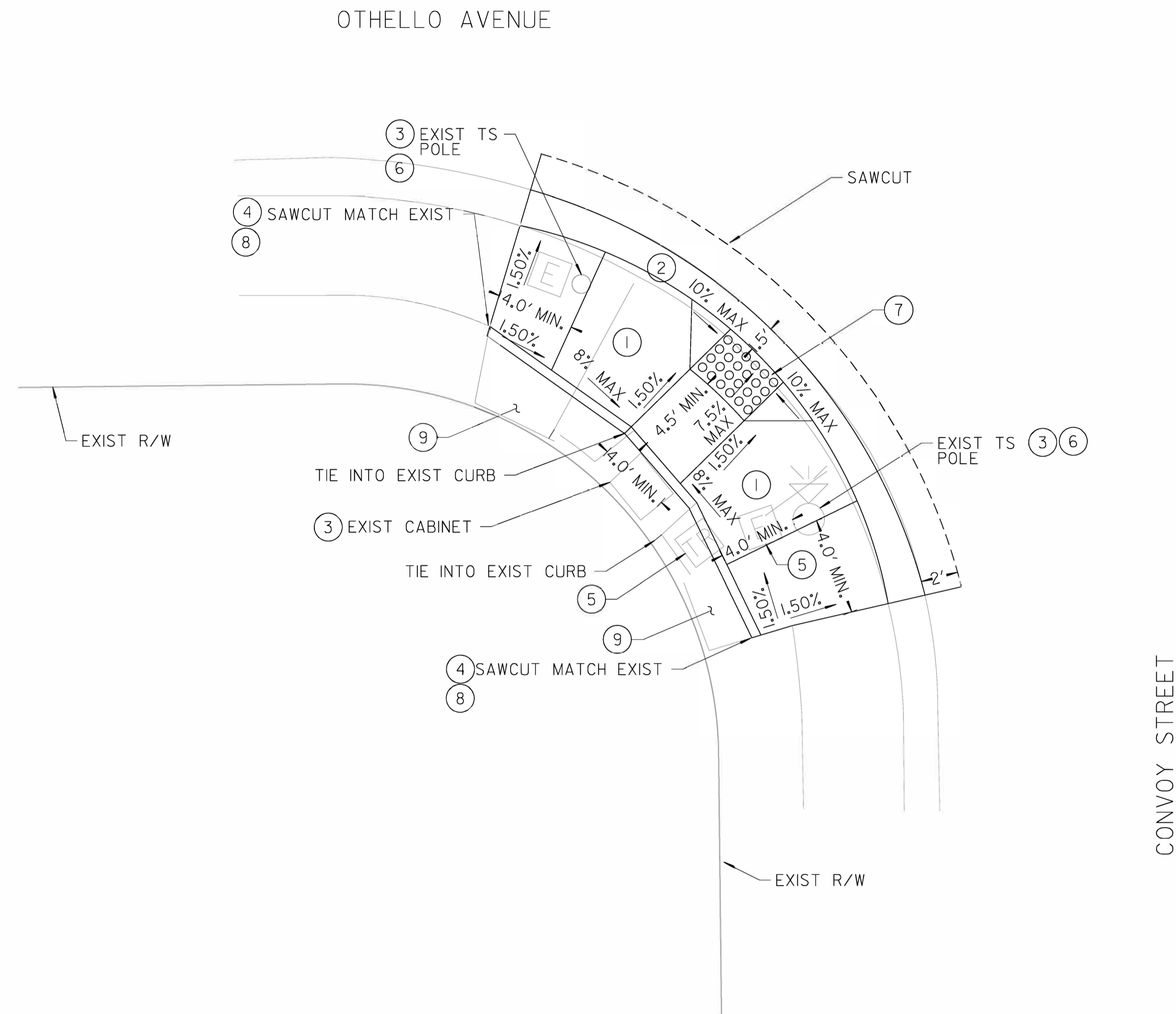
APPROVED: *Sheila Bose* 12/21/18 DATE
FOR CITY ENGINEER SHEILA BOSE C59403
PRINT NAME RCE#
SUBMITTED BY JAIME RAMOS
PROJECT MANAGER
CHECKED BY JENNY JARRELL
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CJJ/C			

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

CCS27 COORDINATE
CCS83 COORDINATE
40350-24-D

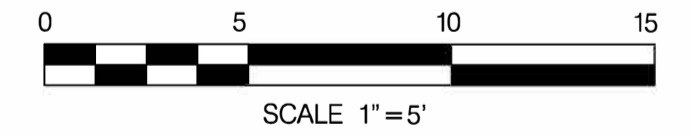
WORK HOURS
9:00 A.M. TO 3:30 P.M.



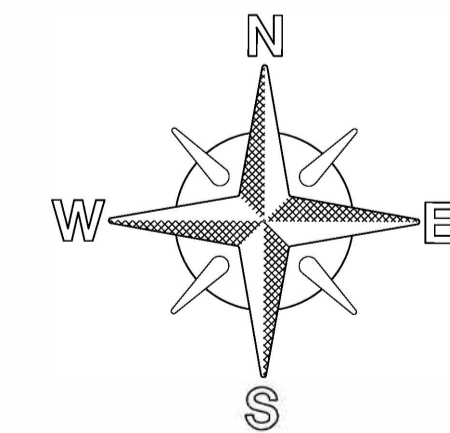
CONSTRUCTION NOTES

- ① CONSTRUCT SIDEWALK PER CITY OF SAN DIEGO STANDARD DRAWING SDG-155
- ② CONSTRUCT CURB AND GUTTER PER CITY OF SAN DIEGO STANDARD DRAWING SDG-151 AND MAINTAIN EXISTING DRAINAGE
- ③ PROTECT IN PLACE
- ④ MATCH EXISTING SIDEWALK GRADES TO NEAREST JOINT
- ⑤ ADJUST PULL BOX LID TO GRADE
- ⑥ PER DIRECTION OF RESIDENT ENGINEER, INSTALL NEW PEDESTRIAN PUSH BUTTON ON EXISTING POLE
- ⑦ FURNISH AND INSTALL DETECTABLE WARNING TILE PER CITY OF SAN DIEGO STANDARD DRAWING SDG-130
- ⑧ CONSTRUCT 6' RETAINING CURB
- ⑨ REMOVE EX. SIDEWALK. REPLACE WITH LANDSCAPE.

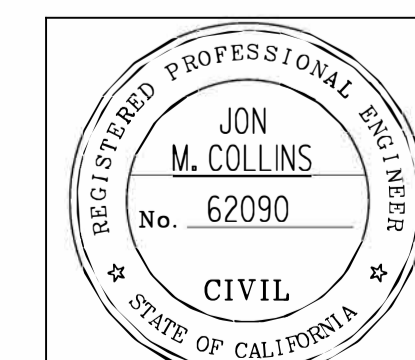
DETAIL C



C-24



PLANS FOR THE CONSTRUCTION OF AC WATER AND SEWER GROUP 1042 PEDESTRIAN RAMP PLANS CONVOY STREET & RAYTHEON ROAD			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 25 OF 31 SHEETS		WBS B-17176/ B-17177	
APPROVED: <i>[Signature]</i> FOR CITY ENGINEER SHEILA BOSE PRINT NAME	DATE: 12/21/18 PROJECT NUMBER: C59403 RCE#	SUBMITTED BY: JAIME RAMOS PROJECT MANAGER CHECKED BY: JENNY JARRELL PROJECT ENGINEER	
DESCRIPTION ORIGINAL	BY C/J/JC	APPROVED <input type="checkbox"/>	DATE <input type="checkbox"/>
CONTRACTOR _____		DATE STARTED _____	
INSPECTOR _____		DATE COMPLETED _____	
		CCS87 COORDINATE _____	
		CCS83 COORDINATE 40350-25-D	



CONVOY STREET & OTHELLO AVENUE

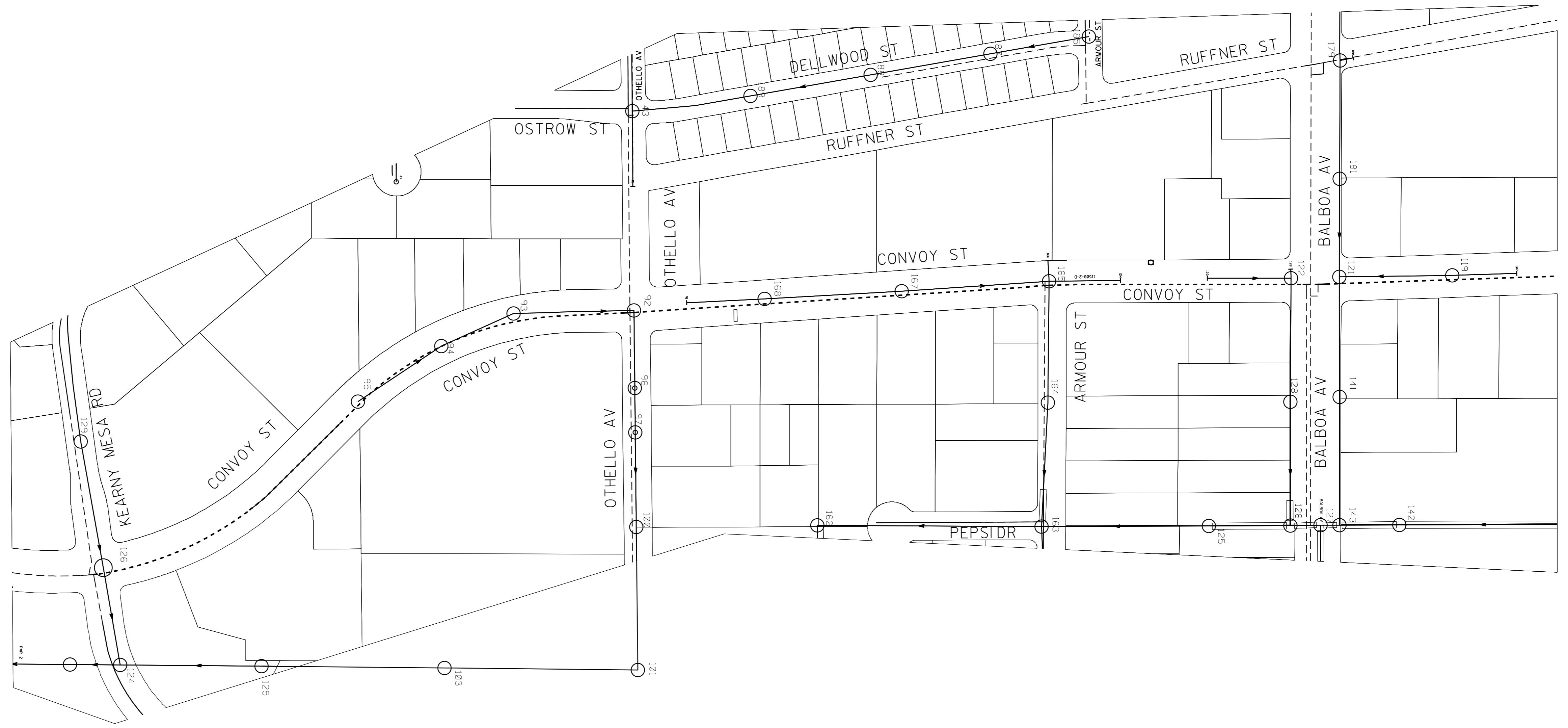
DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
CONVOY ST	126	94075	600
CONVOY ST	95	94050	200
CONVOY ST	94	94049	200
CONVOY ST	93	94048	200
CONVOY ST	92	94047	200
CONVOY ST	168	93893	400
CONVOY ST	167	93892	400
CONVOY ST	165	93890	600
CONVOY ST	122	93859	600
CONVOY ST	121	93858	600
CONVOY ST	119	93856	250

CONTRACTOR'S NOTE:
CONTRACTOR SHALL OBTAIN THE BATCH
AUTHORIZATION PERMIT AT THE TIME
OF DISCHARGE.

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
KEARNY MESA RD	129	94076	600
KEARNY MESA RD	124	94073	600
KEARNY MESA RD	125	94074	600
KEARNY MESA RD	103	94055	600
OTHELLO AVE	96	94051	400
OTHELLO AVE	97	94052	500
OTHELLO AVE	100	94053	500
OTHELLO AVE	101	94054	600
DELLWOOD ST	189	93911	100
DELLWOOD ST	188	93910	100

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
DELLWOOD ST	187	93909	100
DELLWOOD ST	185	93908	100
ARMOUR ST	164	93889	600
ARMOUR ST	163	93888	600
BALBOA AVE	179	93902	600
BALBOA AVE	181	93904	600
BALBOA AVE	128	93865	600
BALBOA AVE	141	93866	600
BALBOA AVE	126	93863	600
BALBOA AVE	127	93864	600

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
BALBOA AVE	143	93868	600



- LEGEND**
- PROPOSED WATER MAIN
 - EXISTING WATER MAIN
 - EX MANHOLE
 - ⊙ PROPOSED DISCHARGE LOCATION W/MANHOLE ID NO.
 - FSN FACILITY SEQUENCE NUMBER

C-25

AC WATER AND SEWER GROUP 1042
CHLORINATION DISCHARGE LOCATION 1

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 26 OF 31 SHEETS

WATER WBS BI7177
SEWER WBS BI7176

APPROVED BY: SHEILA P. BOSE
FOR CITY ENGINEER
DATE: 12/21/18
PROJECT ENGINEER: JENNY JARRELL

DESIGNED BY: JENNY JARRELL
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	JJ/XN			

SEE SHEETS
CCS27 COORDINATE

SEE SHEETS
CCS83 COORDINATE



CONTRACTOR INSPECTOR: _____ DATE STARTED: _____ DATE COMPLETED: _____

40350-26-D

CHLORINATION DISCHARGE LOCATION 1

CONTRACTOR'S NOTE:
CONTRACTOR SHALL OBTAIN THE BATCH
AUTHORIZATION PERMIT AT THE TIME
OF DISCHARGE.

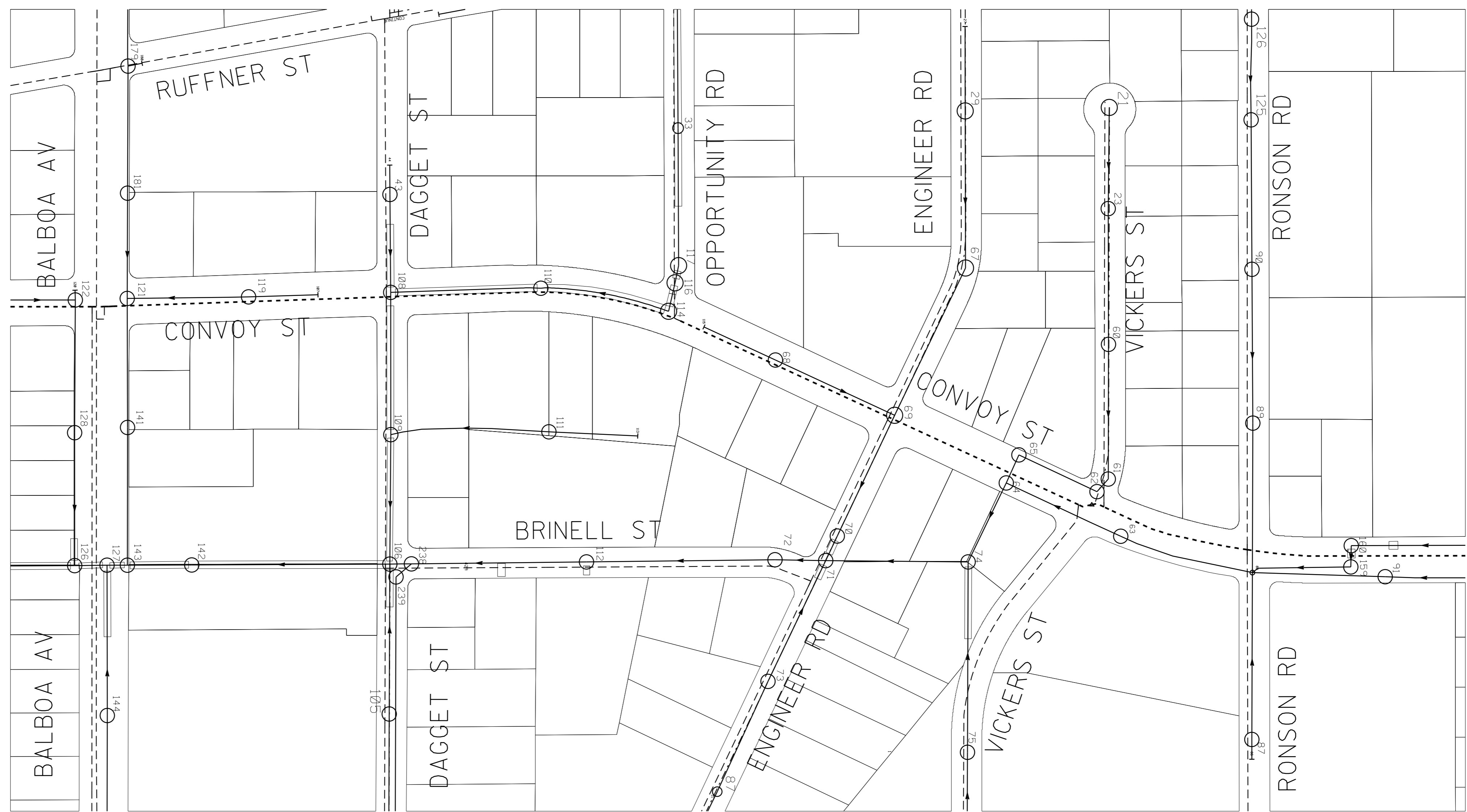
DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
CONVOY ST	108	93846	400
CONVOY ST	110	93848	400
CONVOY ST	114	93852	400
CONVOY ST	68	93811	600
CONVOY ST	69	93812	400
CONVOY ST	65	93808	600
CONVOY ST	64	93807	600
CONVOY ST	61	93804	150
CONVOY ST	62	93805	150
CONVOY ST	63	93806	250

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
CONVOY ST	160	93752	250
CONVOY ST	159	93751	250
CONVOY ST	91	93708	250
RUFFNER ST	179	93902	250
DAGGET ST	43	93786	400
DAGGET ST	109	93847	500
DAGGET ST	106	93844	600
DAGGET ST	239	93954	1,000
DAGGET ST	238	93953	600
DAGGET ST	105	93843	600

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
BRINELL ST	112	93850	600
BRINELL ST	72	93815	600
OPPORTUNITY RD	33	93778	400
OPPORTUNITY RD	117	93855	400
OPPORTUNITY RD	116	93854	400
ENGINEER RD	29	93776	250
ENGINEER RD	67	93810	250
ENGINEER RD	70	93813	600
ENGINEER RD	71	93814	600
ENGINEER RD	73	93816	500

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
ENGINEER RD	87	93829	250
VICKERS ST	21	93772	150
VICKERS ST	23	93773	150
VICKERS ST	60	93803	150
VICKERS ST	61	93804	150
VICKERS ST	75	93818	600
RONSON RD	126	93737	400
RONSON RD	125	93736	400
RONSON RD	90	93707	400
RONSON RD	89	93706	400

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
RONSON RD	87	93704	600



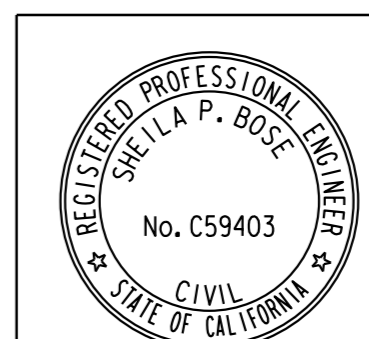
LEGEND

- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- EX MANHOLE
- PROPOSED DISCHARGE LOCATION W/MANHOLE ID NO.
- FSN FACILITY SEQUENCE NUMBER

C-26

AC WATER AND SEWER GROUP 1042
CHLORINATION DISCHARGE LOCATION 2

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 27 OF 31 SHEETS



APPROVED BY <i>Sheila P. Bose</i> FOR CITY ENGINEER SHEILA BOSE DATE 12/21/18	WATER WBS BI7177 SEWER WBS BI7176
PROJECT MANAGER JENNY JARRELL	DATE STARTED
DESCRIPTION ORIGINAL	DATE COMPLETED

CONTRACTOR INSPECTOR _____ DATE STARTED _____ DATE COMPLETED _____

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
CONVOY ST	161	93753	600
CONVOY ST	93	93710	600
CONVOY ST	49	93672	600
CONVOY ST	48	93671	400
CONVOY ST	47	93670	400
CONVOY ST	45	93668	150
CONVOY ST	44	93667	150
CONVOY ST	26	93650	150
CONVOY ST	27	93651	400
CONVOY ST	22	93647	400

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
CONVOY ST	21	93646	400
RAYTHEON RD	96	93712	150
RAYTHEON RD	162	93754	600
RAYTHEON RD	95	93711	150
RAYTHEON RD	92	93709	200
RAYTHEON RD	76	93694	200
RAYTHEON RD	73	93691	250
MERCURY ST	82	93699	600
MERCURY ST	81	93698	600
MERCURY ST	199	5032142	600

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
MERCURY ST	80	93697	250
MERCURY ST	70	93688	400
MERCURY ST	69	93687	400
MERCURY ST	58	93679	400
MERCURY ST	60	93680	400
MERCURY ST	62	93681	400
MERCURY ST	64	93682	400
MERCURY ST	32	93655	400
MERCURY ST	34	93657	400
CLAIREMONT MESA BL	42	107153	300

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
CLAIREMONT MESA BL	43	93666	300
CLAIREMONT MESA BL	54	93676	300
CLAIREMONT MESA BL	55	93677	300
CONVOY CT	24	93648	150
CONVOY CT	25	93649	150
CONVOY CT	28	93652	400
CONVOY CT	29	93653	400
COPLEY PARK PL	17	93643	400
COPLEY PARK PL	18	93644	400

CONTRACTOR'S NOTE:
CONTRACTOR SHALL OBTAIN THE BATCH
AUTHORIZATION PERMIT AT THE TIME
OF DISCHARGE.



STREET DEDICATION
PER DWG 10948-B

LEGEND

- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- EX MANHOLE
- ⊙ PROPOSED DISCHARGE LOCATION W/MANHOLE ID NO.
- FSN FACILITY SEQUENCE NUMBER

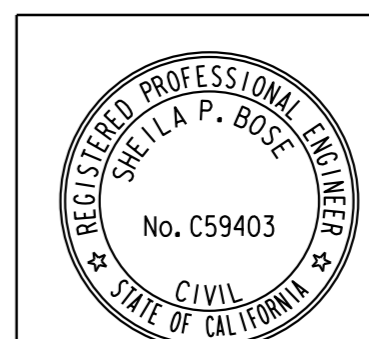
C-27

AC WATER AND SEWER GROUP 1042
CHLORINATION DISCHARGE LOCATION 3

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 28 OF 31 SHEETS

WATER WBS BI7177
SEWER WBS BI7176

APPROVED BY: *Sheila P. Bose*
FOR CITY ENGINEER
SHEILA BOSE
DATE: 12/21/18
PROJECT ENGINEER: JENNY JARRELL

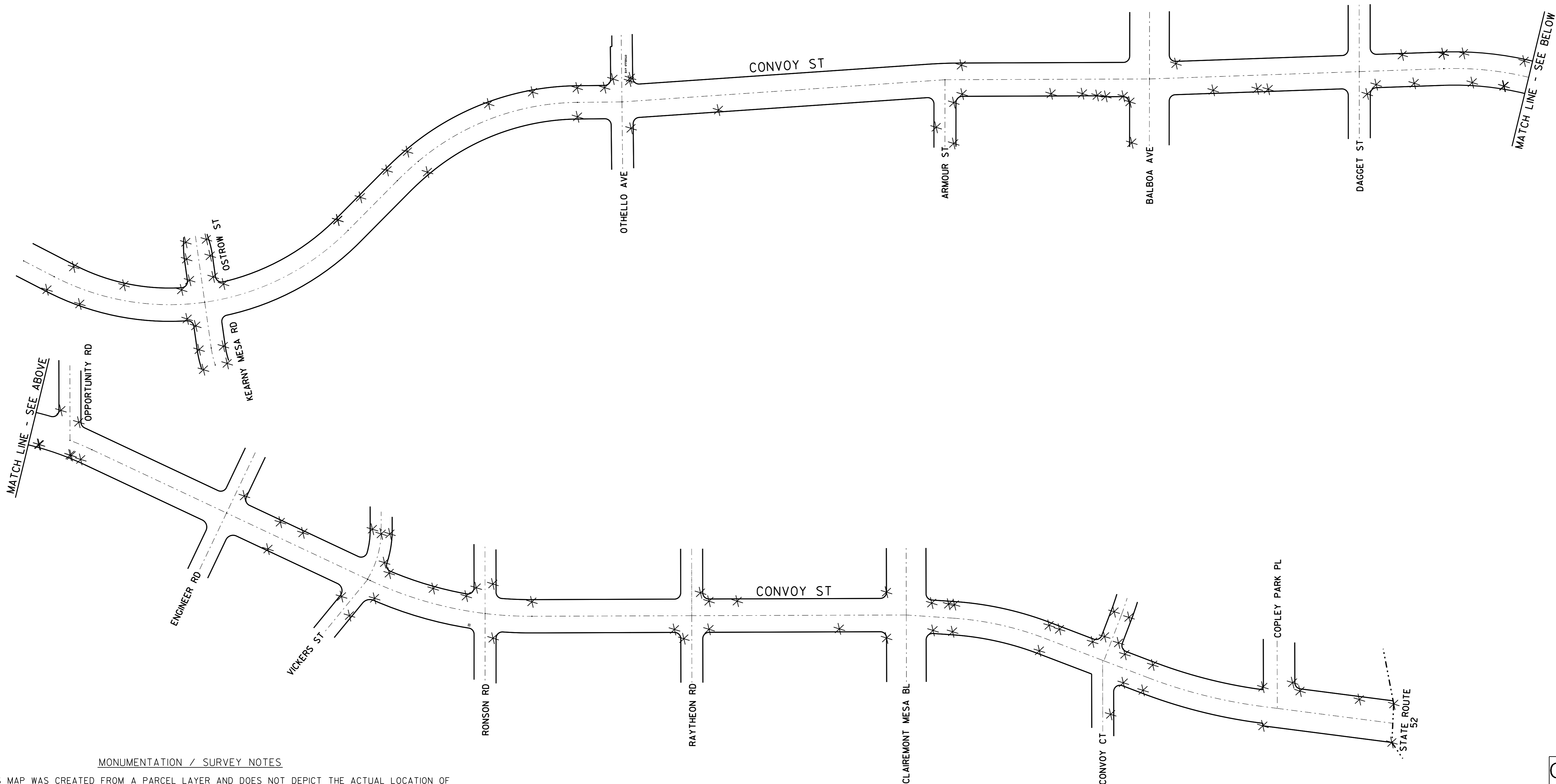


DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	JJ/XN			

SEE SHEETS
CCS27 COORDINATE
SEE SHEETS
CCS83 COORDINATE

CONTRACTOR INSPECTOR _____ DATE STARTED _____ DATE COMPLETED _____

40350-28-D



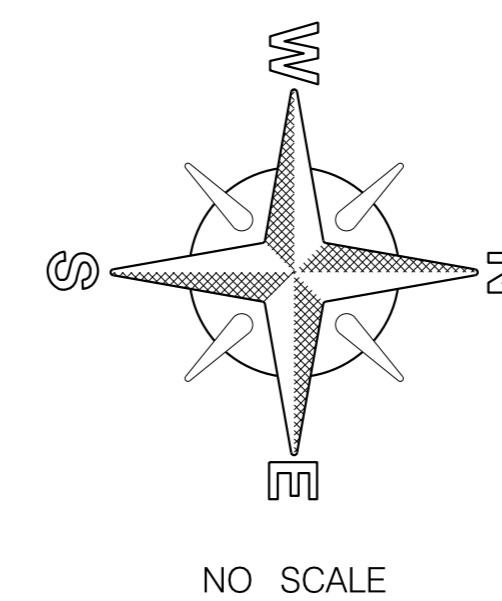
MONUMENTATION / SURVEY NOTES

THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION. THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

LEGEND	
* (Asterisk)	LOCATION OF EXISTING SURVEY MONUMENT
△ (Triangle)	LOCATION OF EXISTING M-10
□ (Square)	LOCATION OF SURVEY BENCH MARK
⊕ (Circle with cross)	LOCATION OF FOUND GPS POINT
△ (Triangle)	LOCATION OF FOUND EVIDENCE OF MONUMENT
○ (Circle)	MAP NUMBER



C-28

**AC WATER AND SEWER GROUP 1042
MONUMENT PERPETUATION**

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 29 OF 31 SHEETS

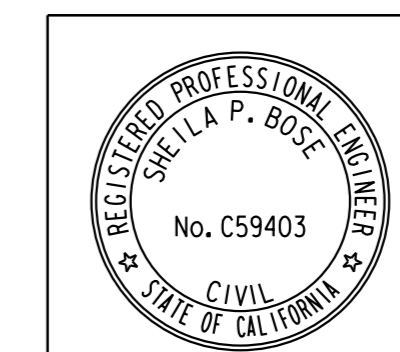
WATER WBS BI7177
SEWER WBS BI7176

APPROVED BY <i>Sheila Boase</i> FOR CITY ENGINEER SHEILA BOASE	DATE 12/21/18	DESIGNED BY JENNY JARRELL PROJECT ENGINEER	DATE STARTED	DATE COMPLETED
DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	JJ/KN			

SUBMITTED BY
JAIME RAMOS
PROJECT MANAGER

SEE SHEETS
CCS27 COORDINATE

SEE SHEETS
CCS83 COORDINATE



CONTRACTOR _____ INSPECTOR _____

WATER ALIGNMENT NOTES SHEETS 2-8

Project Name: Proposed Water
 Description:
 Horizontal Alignment Name: Convoy St
 Description:
 Style: Default
 STATION NORTHING EASTING
 Element: Linear
 POB () +100.00 1876927.82 6284345.26
 PI () +10.00 1876936.89 6284349.47
 Tangent Direction: 24° 53' 11.47"
 Tangent Length: 10.00
 Element: Linear
 PI () +10.00 1876936.89 6284349.47
 PC () +42.76 1876969.33 6284344.89
 Tangent Direction: 351° 57' 17.35"
 Tangent Length: 32.76
 Non-collinear
 Element: Circular
 PC () +42.76 1876969.33 6284344.89
 PI () +78.41 1877004.68 6284340.33
 CC () 1876864.62 6283532.61
 PCC () 2+14.01 1877039.51 6284332.72
 Radius: 819.00
 Delta: 4° 59' 02.12" Left
 Degree of Curvature(Arc): 6° 59' 44.96"
 Length: 71.24
 Tangent: 35.64
 Chord: 71.22
 Middle Ordinate: 0.77
 External: 0.78
 Tangent Direction: 352° 39' 15.91"
 Radial Direction: 82° 39' 15.91"
 Chord Direction: 350° 09' 44.85"
 Radial Direction: 77° 40' 13.79"
 Tangent Direction: 347° 40' 13.79"
 Element: Circular
 PCC () 2+14.01 1877039.51 6284332.72
 PI () 2+81.06 1877105.01 6284318.40
 CC () 1876864.62 6283532.61
 PCC () 3+47.81 1877167.31 6284293.62
 Radius: 819.00
 Delta: 9° 21' 38.65" Left
 Degree of Curvature(Arc): 6° 59' 44.96"
 Length: 133.80
 Tangent: 67.05
 Chord: 133.66
 Middle Ordinate: 2.73
 External: 2.74
 Tangent Direction: 347° 40' 13.79"
 Radial Direction: 77° 40' 13.79"
 Chord Direction: 342° 59' 24.47"
 Radial Direction: 68° 18' 35.14"
 Tangent Direction: 338° 18' 35.14"
 Element: Circular
 PCC () 3+47.81 1877167.31 6284293.62
 PI () 4+48.17 1877260.57 6284256.53
 CC () 1876864.62 6283532.61
 PCC () 5+47.53 1877342.11 6284198.02
 Radius: 819.00
 Delta: 13° 58' 20.01" Left
 Degree of Curvature(Arc): 6° 59' 44.96"
 Length: 199.72
 Tangent: 100.36
 Chord: 199.23
 Middle Ordinate: 6.08
 External: 6.13
 Tangent Direction: 338° 18' 35.14"
 Radial Direction: 68° 18' 35.14"
 Chord Direction: 331° 19' 25.14"
 Radial Direction: 54° 20' 15.13"
 Tangent Direction: 324° 20' 15.13"
 Element: Circular
 PCC () 5+47.53 1877342.11 6284198.02
 PI () 6+11.09 1877393.75 6284160.96
 CC () 1876864.62 6283532.61
 PCC () 6+74.40 1877439.05 6284116.38
 Radius: 819.00
 Delta: 8° 52' 32.40" Left
 Degree of Curvature(Arc): 6° 59' 44.96"
 Length: 126.87
 Tangent: 63.56
 Chord: 126.74
 Middle Ordinate: 2.46
 External: 2.46
 Tangent Direction: 324° 20' 15.13"
 Radial Direction: 54° 20' 15.13"
 Chord Direction: 319° 53' 58.93"
 Radial Direction: 45° 27' 42.74"
 Tangent Direction: 315° 27' 42.74"
 Non-collinear
 Element: Linear
 PI () 6+74.40 1877439.05 6284116.38
 PT () 8+96.62 1877595.51 6283958.58
 Tangent Direction: 314° 45' 19.99"
 Tangent Length: 222.22
 Element: Linear
 PI () 8+96.62 1877595.51 6283958.58
 PC () 9+40.02 1877626.45 6283928.14
 Tangent Direction: 315° 27' 43.09"
 Tangent Length: 43.40
 Non-collinear

Element: Circular
 PC () 9+40.02 1877626.45 6283928.14
 PI () 9+67.85 1877646.69 6283909.04
 CC () 1878299.82 6284641.54
 PCC () 9+95.66 1877667.97 6283891.12
 Radius: 981.00
 Delta: 3° 14' 57.15" Right
 Degree of Curvature(Arc): 5° 50' 25.97"
 Length: 55.63
 Tangent: 27.82
 Chord: 55.62
 Middle Ordinate: 0.39
 External: 0.39
 Tangent Direction: 316° 39' 13.26"
 Radial Direction: 46° 39' 13.26"
 Chord Direction: 318° 16' 41.83"
 Radial Direction: 49° 54' 10.41"
 Tangent Direction: 319° 54' 10.41"
 Element: Circular
 PCC () 9+95.66 1877667.97 6283891.12
 PI () 10+87.64 1877738.33 6283831.87
 CC () 1878171.00 6284488.55
 PCC () 11+78.78 1877820.54 6283790.59
 Radius: 781.00
 Delta: 13° 26' 04.91" Right
 Degree of Curvature(Arc): 7° 20' 10.35"
 Length: 183.13
 Tangent: 91.99
 Chord: 182.71
 Middle Ordinate: 5.36
 External: 5.40
 Tangent Direction: 319° 54' 10.41"
 Radial Direction: 49° 54' 10.41"
 Chord Direction: 326° 37' 12.86"
 Radial Direction: 63° 20' 15.31"
 Tangent Direction: 333° 20' 15.31"
 Element: Circular
 PCC () 11+78.78 1877820.54 6283790.59
 PI () 12+40.33 1877875.54 6283762.98
 CC () 1878171.00 6284488.55
 PCC () 13+01.62 1877934.19 6283744.31
 Radius: 781.00
 Delta: 9° 00' 40.84" Right
 Degree of Curvature(Arc): 7° 20' 10.35"
 Length: 122.83
 Tangent: 61.54
 Chord: 122.71
 Middle Ordinate: 2.41
 External: 2.42
 Tangent Direction: 333° 20' 15.31"
 Radial Direction: 63° 20' 15.31"
 Chord Direction: 337° 50' 35.73"
 Radial Direction: 72° 20' 56.15"
 Tangent Direction: 342° 20' 56.15"
 Non-collinear
 Element: Circular
 PCC () 13+01.62 1877934.19 6283744.31
 PI () 14+02.34 1878030.21 6283713.89
 CC () 1878130.50 6284363.96
 PT () 15+01.48 1878130.93 6283713.96
 Radius: 650.00
 Delta: 17° 37' 01.92" Right
 Degree of Curvature(Arc): 8° 48' 52.90"
 Length: 199.86
 Tangent: 100.73
 Chord: 199.08
 Middle Ordinate: 7.67
 External: 7.76
 Tangent Direction: 342° 25' 13.99"
 Radial Direction: 72° 25' 13.99"
 Chord Direction: 351° 13' 44.95"
 Radial Direction: 90° 02' 15.91"
 Tangent Direction: 0° 02' 15.91"
 Non-collinear
 Element: Linear
 PT () 15+01.48 1878130.93 6283713.96
 PI () 16+19.56 1878249.00 6283712.69
 Tangent Direction: 359° 23' 00.91"
 Tangent Length: 118.00
 Element: Linear
 PI () 16+19.56 1878249.00 6283712.69
 PI () 16+64.95 1878294.39 6283712.21
 Tangent Direction: 359° 24' 05.62"
 Tangent Length: 45.39
 Element: Linear
 PI () 16+64.95 1878294.39 6283712.21
 PI () 17+09.95 1878339.39 6283711.74
 Tangent Direction: 359° 24' 05.62"
 Tangent Length: 45.00
 Element: Linear
 PI () 17+09.95 1878339.39 6283711.74
 PI () 17+21.97 1878347.80 6283703.16
 Tangent Direction: 314° 24' 05.62"
 Tangent Length: 12.02
 Element: Linear
 PI () 17+21.97 1878347.80 6283703.16
 PI () 20+41.59 1878666.67 6283681.27
 Tangent Direction: 356° 04' 21.00"
 Tangent Length: 319.62

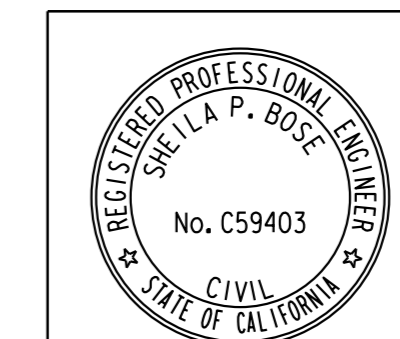
Element: Linear
 PI () 20+41.59 1878666.67 6283681.27
 PI () 23+30.62 1878955.02 6283661.47
 Tangent Direction: 356° 04' 21.00"
 Tangent Length: 289.03
 Element: Linear
 PI () 23+30.62 1878955.02 6283661.47
 PI () 26+98.31 1879321.85 6283636.28
 Tangent Direction: 356° 04' 21.00"
 Tangent Length: 367.69
 Element: Linear
 PI () 26+98.31 1879321.85 6283636.28
 PI () 27+63.72 1879387.23 6283634.33
 Tangent Direction: 358° 17' 08.10"
 Tangent Length: 65.41
 Element: Linear
 PI () 27+63.72 1879387.23 6283634.33
 PI () 29+58.54 1879582.05 6283633.58
 Tangent Direction: 359° 46' 53.56"
 Tangent Length: 194.82
 Element: Linear
 PI () 29+58.54 1879582.05 6283633.58
 PI () 29+68.27 1879591.78 6283633.55
 Tangent Direction: 359° 46' 53.56"
 Tangent Length: 9.73
 Element: Linear
 PI () 29+68.27 1879591.78 6283633.55
 PI () 29+97.57 1879621.07 6283633.43
 Tangent Direction: 359° 46' 53.56"
 Tangent Length: 29.30
 Element: Linear
 PI () 29+97.57 1879621.07 6283633.43
 PI () 32+75.83 1879899.34 6283632.37
 Tangent Direction: 359° 46' 53.56"
 Tangent Length: 278.26
 Element: Linear
 PI () 32+75.83 1879899.34 6283632.37
 PCC () 33+49.21 1879972.72 6283632.09
 Tangent Direction: 359° 46' 53.56"
 Tangent Length: 73.38
 Element: Linear
 PI () 33+49.21 1879972.72 6283632.09
 PI () 33+87.84 1880011.34 6283631.46
 Tangent Direction: 359° 03' 58.38"
 Tangent Length: 38.63
 Element: Linear
 PI () 33+87.84 1880011.34 6283631.46
 PI () 34+40.17 1880063.65 6283630.23
 Tangent Direction: 358° 39' 06.24"
 Tangent Length: 52.32
 Element: Linear
 PI () 34+40.17 1880063.65 6283630.23
 PI () 35+89.30 1880212.70 6283625.01
 Tangent Direction: 357° 59' 38.07"
 Tangent Length: 149.14
 Element: Linear
 PI () 35+89.30 1880212.70 6283625.01
 PI () 37+12.05 1880335.33 6283619.86
 Tangent Direction: 357° 35' 32.19"
 Tangent Length: 122.74
 Element: Linear
 PI () 37+12.05 1880335.33 6283619.86
 PI () 40+17.28 1880640.30 6283607.03
 Tangent Direction: 357° 35' 32.19"
 Tangent Length: 305.23
 Element: Linear
 PI () 40+17.28 1880640.30 6283607.03
 PI () 42+14.60 1880837.50 6283600.13
 Tangent Direction: 357° 59' 38.07"
 Tangent Length: 197.32
 Element: Linear
 PI () 42+14.60 1880837.50 6283600.13
 PC () 43+25.03 1880947.86 6283596.26
 Tangent Direction: 357° 59' 38.07"
 Tangent Length: 110.43
 Non-collinear
 Element: Circular
 PC () 43+25.03 1880947.86 6283596.26
 PI () 43+66.88 1880989.70 6283595.39
 CC () 1880968.72 6284596.04
 PCC () 44+08.68 1881031.46 6283598.01
 Radius: 1000.00
 Delta: 4° 47' 33.07" Right
 Degree of Curvature(Arc): 5° 43' 46.48"
 Length: 83.65
 Tangent: 41.85
 Chord: 83.62
 Middle Ordinate: 0.87
 External: 0.88
 Tangent Direction: 358° 48' 17.75"
 Radial Direction: 88° 48' 17.75"
 Chord Direction: 1° 12' 04.28"
 Radial Direction: 93° 35' 50.81"
 Tangent Direction: 3° 35' 50.81"
 Non-collinear

Element: Circular
 PCC () 44+08.68 1881031.46 6283598.01
 PI () 45+32.65 1881155.06 6283607.58
 CC () 1880955.43 6284580.07
 PCC () 46+55.32 1881272.44 6283647.48
 Radius: 985.00
 Delta: 14° 20' 48.68" Right
 Degree of Curvature(Arc): 5° 49' 00.59"
 Length: 246.64
 Tangent: 123.97
 Chord: 246.00
 Middle Ordinate: 7.71
 External: 7.77
 Tangent Direction: 4° 25' 37.23"
 Radial Direction: 94° 25' 37.23"
 Chord Direction: 11° 36' 01.57"
 Radial Direction: 108° 46' 25.91"
 Tangent Direction: 18° 46' 25.91"
 Non-collinear
 Element: Circular
 PCC () 46+55.32 1881272.44 6283647.48
 PI () 46+65.45 1881282.08 6283650.57
 CC () 1880971.84 6284585.49
 PCC () 46+75.58 1881291.66 6283653.86
 Radius: 985.00
 Delta: 1° 10' 41.01" Right
 Degree of Curvature(Arc): 5° 49' 00.59"
 Length: 20.25
 Tangent: 10.13
 Chord: 20.25
 Middle Ordinate: 0.05
 External: 0.05
 Tangent Direction: 17° 46' 07.82"
 Radial Direction: 107° 46' 07.82"
 Chord Direction: 18° 21' 28.33"
 Radial Direction: 108° 56' 48.84"
 Tangent Direction: 18° 56' 48.84"
 Element: Circular
 PCC () 46+75.58 1881291.66 6283653.86
 PI () 47+20.08 1881333.75 6283668.31
 CC () 1880971.84 6284585.49
 PT () 47+64.52 1881374.37 6283686.49
 Radius: 985.00
 Delta: 5° 10' 24.84" Right
 Degree of Curvature(Arc): 5° 49' 00.59"
 Length: 88.94
 Tangent: 44.50
 Chord: 88.91
 Middle Ordinate: 1.00
 External: 1.00
 Tangent Direction: 18° 56' 48.84"
 Radial Direction: 108° 56' 48.84"
 Chord Direction: 21° 32' 01.26"
 Radial Direction: 114° 07' 13.68"
 Tangent Direction: 24° 07' 13.68"
 Non-collinear
 Element: Linear
 PT () 47+64.52 1881374.37 6283686.49
 PI () 48+42.79 1881445.11 6283719.99
 Tangent Direction: 25° 19' 59.79"
 Tangent Length: 78.27
 Element: Linear
 PI () 48+42.79 1881445.11 6283719.99
 PI () 50+13.38 1881599.30 6283792.98
 Tangent Direction: 25° 19' 59.79"
 Tangent Length: 170.59
 Element: Linear
 PI () 50+13.38 1881599.30 6283792.98
 PI () 52+28.09 1881793.35 6283884.85
 Tangent Direction: 25° 19' 59.79"
 Tangent Length: 214.70
 Element: Linear
 PI () 52+28.09 1881793.35 6283884.85
 PI () 57+17.98 1882237.18 6284092.25
 Tangent Direction: 25° 02' 48.39"
 Tangent Length: 489.90

C-29

AC WATER AND SEWER GROUP 1042
 HORIZONTAL ALIGNMENT

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 30 OF 31 SHEETS



APPROVED BY: <i>Sheila A. Bose</i> FOR CITY ENGINEER SHEILA A. BOSE PRINT NAME	DATE: 12/21/18	WATER WBS: BI7177	SEWER WBS: BI7176
DESIGNED BY: JENNY JARRELL PROJECT ENGINEER	PROJECT MANAGER: JAIME RAMOS	DATE STARTED:	DATE COMPLETED:
DESCRIPTION: ORIGINAL	BY: JJ/JN	APPROVED:	FILED:
SEE SHEETS	CCS27 COORDINATE		
SEE SHEETS	CCS83 COORDINATE		

CONTRACTOR: _____ DATE STARTED: _____
 INSPECTOR: _____ DATE COMPLETED: _____

City of San Diego

CITY CONTACT: Taylor Cox, Contract Specialist, Email: TJCox@sandiego.gov
Phone No. (619) 533-3033

ADDENDUM B



FOR

AC WATER & SEWER GROUP 1042

BID NO.: _____ K-19-1737-DBB-3
SAP NO. (WBS/IO/CC): _____ B-17177, B-17176
CLIENT DEPARTMENT: _____ 2112
COUNCIL DISTRICT: _____ 6
PROJECT TYPE: _____ KA, JA

BID DUE DATE:

**2:00 PM
MARCH 14, 2019**

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

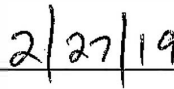
<http://www.sandiego.gov/cip/bidopps/index.shtml>

ENGINEER OF WORK

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

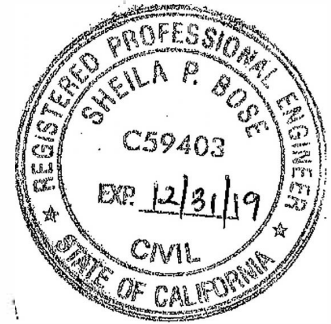


For City Engineer



Date

Seal:



A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

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

B. BIDDER'S QUESTIONS

Q1. Below is a summary of all of the petroleum release cases along Convoy Street within the project area. Of the 20 sites, 17 of them do not have any reports or information on them available on Geotracker to make an informed decision on the likelihood of encountering petroleum contamination during the performance of the scope of work in the RFP. To say that it is up to bidder to review Geotracker to decide whether or not a CHSP is required will only invite unequal bids. My recommendation is to either require one be prepared by a CIH (as required in the Whitebook) and have it approved before the work commences, or allow bidders to put in a contingency for it in the event suspect petroleum-contaminated soil is encountered with the understanding that work will have to be halted in that area until the plan is prepared and approved.

No.	Site Name	Address	Case Number	Last Year of Activity	Contaminant	Documentation on Geotracker	Media Contaminated
1	Kearny Mesa Exxon	3860 Kearny Mesa Road	H15306-001	1999	Gasoline	NFA letter	soil
2	San Diego Glass & Paint	3927 Convoy Street	H14797-001	1996	Kerosene	NFA letter	soil
3	Lubrimart & tunemart	4101 Convoy Street	H12956-001	2003	Waste Oil	NFA letter	soil/gw
4	Kearny Mesa 76	7807 Balboa Avenue	H12314-002	2009	Gasoline	NFA letter	soil
5	Kearny Mesa 76	7807 Balboa Avenue	H12314-001	2002	Gasoline	NFA letter	soil
6	Eiler Bros.	4530 Convoy Street	H13629-0014	1992	Gasoline	NFA letter	soil
7	Super 7 Gasoline #19273	7801 Clairemont Mesa Blvd.	H15051-001,-002	1999	Gasoline	NFA letter	soil
8	Super 7 Gasoline #19273	7801 Clairemont Mesa Blvd.	H15051-003	2005	Gasoline, Diesel	NFA letter	soil
9	Texaco	7785 Clairemont Mesa Blvd.	H12822-002	2000	Gasoline	NFA letter	soil
10	52 7 Convoy Shell Car Wash	7740 Copley Park Place	H32354-001	2005	Gasoline	NFA letter	soil
11	My Mechanic	3833 Convoy St.	H12601-001	1987	Gasoline	No Reports/Info	soil
12	All American Car Wash	3895 Convoy Street	H12568-001	1994	Waste Oil	No Reports/Info	soil
13	American Tire & Service Co.	4161 Convoy Street	H14792-001	1987	Waste Oil	No Reports/Info	soil
14	San Diego Mitsubishi	4761 Convoy Street	H14819-001	1987	Unknown	No Reports/Info	NR
15	Clairemont Equipment Rentals	4726 Convoy Street	H00225-001	1991	Gasoline	No Reports/Info	NR
16	Clairemont Equipment Rentals	4726 Convoy Street	H00225-002	2004	Gasoline	No Reports/Info	NR
17	Mossy Nissan Kearny Mesa	4797 Convoy Street	H13130-001	1990	Gasoline	No Reports/Info	Soil
18	Propel Biofuels	3860 Kearny Mesa Road	DEH2013-LSAM-000161	2019	Gasoline, Diesel	Reports	soil/gw
19	Express Oil & Gas	8001 Othello Avenue	H21185-001	2009	Gasoline	Reports/NFA	soil/gw
20	Pacific Honda	4697 Convoy Street	H13109-001	2008	Gasoline	Reports/NFA	soil/gw
21	Texaco	7785 Clairemont Mesa Blvd.	H12822-001	1994	Gasoline	Reports/NFA	soil
22	Texaco	7785 Clairemont Mesa Blvd.	H12822-003	2016	Gasoline	Reports/NFA	soil/gw

Also to whom is the HSMP and the CHSP submitted to for review and approval? And how long does the review take?

- A1. Refer to section 7-20.22 of Whitebook, the Community Health and Safety Plan and Hazardous Substance Management Plan will go through City Staff for approval and can take up to 2-3 weeks for review. Both plans shall be submitted and approved before construction begins in order to prevent delays, if contamination is encountered.

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	Qty	Payment Reference
Main Bid	541690	Monitoring of Contaminated Soil	HR	30	7-22.20

James Nagelvoort, Director
Public Works Department

Dated: *March 1, 2019*
San Diego, California

JN/MJN/Lad

Bid Results

Bidder Details

Vendor Name S.C. Valley Engineering, Inc.
Address 656 Front St.
 el cajon, CA 92020
 United States
Respondee Scott Miller
Respondee Title Estimator
Phone 619-444-2366 Ext.
Email smiller@scvalleyinc.com
Vendor Type PQUAL,MBE,CADIR,Local
License # 624559
CADIR 10000020727

Bid Detail

Bid Format Electronic
Submitted March 14, 2019 1:26:04 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 170064
Ranking 0

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
Contractors Certification of Pending Actions	Contractors Certification of Pending Actions.pdf	Contractors Certification of Pending Actions
Mandator Disclosure of Business Interests	Mandatory Disclosure of Business Interests form.pdf	Mandatory Disclosure of Business Interests
Subcontractor listing other than first tier	Subcontractor listing other than first tier.pdf	Subcontractor Listing (Other Than First Tier)
Subcontractors Additive Deductive Form	Subcontractors Additive Deductive Form.pdf	Subcontractors Additive/Deductive Alternate Form
Bid Bond	Bid Bond.pdf	Bid Bond

Line Items

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
Main Bid						
1	Bonds (Payment and Performance)					
	524126	LS	1	\$55,015.00	\$55,015.00	
2	Suspension of Work - Resources					
	541690	DAYS	5	\$1.00	\$5.00	
3	Caltrans Encroachment Permit (EOC Type I)					
	237310	AL	1	\$5,000.00	\$5,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
4	Sewage Bypass and Pumping Plan (Diversion Plan)					
	237110	LS	1	\$10,000.00	\$10,000.00	
5	WPCP Development					
	541330	LS	1	\$5,250.00	\$5,250.00	
6	WPCP Implementation					
	237990	LS	1	\$35,000.00	\$35,000.00	
7	Video Recording of Existing Conditions					
	238990	LS	1	\$2,000.00	\$2,000.00	
8	Exclusive Community Liaison Services					
	541820	LS	1	\$25,000.00	\$25,000.00	
9	Monitoring of Contaminated Soil					
	541690	HR	30	\$120.00	\$3,600.00	
10	Preparation of Hazardous Waste Management Plan and Reporting					
	238990	LS	1	\$5,500.00	\$5,500.00	
11	Testing, Sampling, Site Storage and Handling of Petroleum Contaminated Soil					
	238990	TON	90	\$85.00	\$7,650.00	
12	Loading, Transportation, and Disposal of Petroleum Contaminated Soil					
	238990	TON	90	\$175.00	\$15,750.00	
13	Remove and Relocate Existing Sign and Post					
	238990	EA	3	\$1,200.00	\$3,600.00	
14	Mobilization					
	237110	LS	1	\$500,000.00	\$500,000.00	
15	Field Orders (EOC Type II)					
		AL	1	\$645,324.00	\$645,324.00	
16	Additional Pavement Removal and Disposal					
	237310	CY	10	\$1,000.00	\$10,000.00	
17	Miscellaneous Hardscape, Remove and Replace with Topsoil					
	238910	SF	3500	\$7.00	\$24,500.00	
18	Pavement Restoration Adjacent to Trench					
	237310	SF	956	\$7.00	\$6,692.00	
19	Curb Inlet (Type B)					
	237110	EA	1	\$9,000.00	\$9,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
20	Curb Outlet (Type A)					
	237110	EA	1	\$7,000.00	\$7,000.00	
21	Remove and Replace Existing Sidewalk					
	237310	SF	1800	\$15.00	\$27,000.00	
22	Additional Curb and Gutter Removal and Replacement					
	237310	LF	100	\$35.00	\$3,500.00	
23	Additional Sidewalk Removal and Replacement					
	237310	SF	25	\$30.00	\$750.00	
24	Curb and Gutter (6 Inch Curb, Type G)					
	237310	LF	400	\$34.00	\$13,600.00	
25	Curb and Gutter (6 Inch Curb, Type H)					
	237310	LF	1850	\$34.00	\$62,900.00	
26	Median Curb and Gutter (Type G)					
	237310	LF	400	\$34.00	\$13,600.00	
27	Cross Gutter					
	237310	SF	200	\$50.00	\$10,000.00	
28	Concrete Driveway (Contiguous)					
	237310	SF	1000	\$12.00	\$12,000.00	
29	Curb Ramp (Type A) with Stainless Steel Detectable Warning Tiles					
	237310	EA	6	\$5,500.00	\$33,000.00	
30	Curb Ramp (Type B) with Stainless Steel Detectable Warning Tiles					
	237310	EA	3	\$5,500.00	\$16,500.00	
31	Curb Ramp (Type C1) with Stainless Steel Detectable Warning Tiles					
	237310	EA	3	\$6,200.00	\$18,600.00	
32	Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles					
	237310	EA	19	\$5,900.00	\$112,100.00	
33	Additional Sidewalk					
	237310	SF	30	\$12.00	\$360.00	
34	Colored Stamped Concrete Raised Median					
	237310	SF	200	\$25.00	\$5,000.00	
35	Removal or Abandonment of Existing Water Facilities					
	237110	LF	8905	\$8.00	\$71,240.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
36	Large Water Main Abandonment					
	237110	LS	1	\$40,000.00	\$40,000.00	
37	Handling and Disposal of Non-friable Asbestos Material					
	237110	LF	1500	\$29.00	\$43,500.00	
38	Additional Bedding					
	237110	CY	265	\$70.00	\$18,550.00	
39	Water Main (16 Inch)					
	237110	LF	7315	\$247.00	\$1,806,805.00	
40	Water Main (20 Inch)					
	237110	LF	25	\$1,125.00	\$28,125.00	
41	Water Main (16 Inch, Class 305)					
	237110	LF	1570	\$255.00	\$400,350.00	
42	Water Main (12 Inch)					
	237110	LF	155	\$340.00	\$52,700.00	
43	Sewer Main (10 Inch)					
	237110	LF	290	\$550.00	\$159,500.00	
44	Sewer Main Vitrified Clay Pipe (12 Inch, Concrete Encased)					
	237110	LF	350	\$290.00	\$101,500.00	
45	Trench Shoring					
	237110	LS	1	\$60,000.00	\$60,000.00	
46	Butterfly Valve (16 Inch, Class 250B)					
	237110	EA	3	\$7,000.00	\$21,000.00	
47	Gate Valve (12 Inch)					
	237110	EA	5	\$4,800.00	\$24,000.00	
48	Fire Hydrant Assembly and Marker (6 Inch) 3 Port					
	237110	EA	23	\$13,400.00	\$308,200.00	
49	Fire Service Connection and Assembly (8 Inch)					
	237110	EA	2	\$14,000.00	\$28,000.00	
50	Fire Service Connection and Assembly (6 Inch)					
	237110	EA	7	\$13,200.00	\$92,400.00	
51	Water Service (2 Inch)					
	237110	EA	38	\$9,500.00	\$361,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
52	Water Service (1 Inch)					
	237110	EA	48	\$7,200.00	\$345,600.00	
53	Water Service (6 Inch)					
	237110	EA	1	\$11,000.00	\$11,000.00	
54	Temporary Resurfacing					
	237310	TON	962	\$125.00	\$120,250.00	
55	Thrust Blocks and Anchor Blocks for 16 Inch and Larger Water Mains					
	237110	EA	50	\$2,500.00	\$125,000.00	
56	Imported Backfill For Trench					
	237110	TON	3870	\$25.00	\$96,750.00	
57	Manholes (4 ft x 3ft)					
	237110	EA	4	\$11,250.00	\$45,000.00	
58	Cleaning and Video Inspection of Existing Pipelines and Culverts					
	237110	LF	637	\$4.00	\$2,548.00	
59	Video Inspection of Pipelines and Culverts for Acceptance					
	237110	LF	637	\$3.00	\$1,911.00	
60	Traffic Control					
	237310	LS	1	\$300,000.00	\$300,000.00	
61	Flashing Arrow Boards					
	237310	LS	1	\$20,000.00	\$20,000.00	
62	Portable Changeable Message Signs (EOC Type I)					
	237310	AL	1	\$2,500.00	\$2,500.00	
63	Temporary Detection System					
	238210	EA	19	\$11,500.00	\$218,500.00	
64	Pedestrian Barricade					
	237310	EA	4	\$1,000.00	\$4,000.00	
65	Traffic Detector Loop Stub					
	238210	EA	9	\$1,200.00	\$10,800.00	
66	Pedestrian Push Button and Foundation					
	238210	EA	3	\$2,300.00	\$6,900.00	
67	Root Pruning					
	561730	EA	5	\$1.00	\$5.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
68	Root Control Barrier					
	561730	EA	5	\$2,000.00	\$10,000.00	
69	Contractor Furnished Materials for the City Forces High-line Work					
	237110	LF	17810	\$3.00	\$53,430.00	
70	Contractor Furnished Materials for City Forces Connection, Cut and Plug, and Cut-in Work for Mains 16-inch and Larger.					
	237110	LS	1	\$240,000.00	\$240,000.00	
71	Pavement Restoration for Final Connection					
	237110	SF	2000	\$12.00	\$24,000.00	
				Subtotal	\$6,959,860.00	
	Alternate Items A					
72	High-lining Installation by the Contractor					
	237110	LF	17810	\$18.00	\$320,580.00	
73	High-lining Removed by the Contractor					
	237110	LF	17810	\$3.00	\$53,430.00	
74	Furnished Materials for Contractor High-line Work					
	237110	LF	17810	\$3.00	\$53,430.00	
				Subtotal	\$427,440.00	
	Alternate Items B					
75	Cut-in Tee by Contractor (12 Inch through 16 Inch)					
	237110	EA	7	\$22,700.00	\$158,900.00	
76	Cut-in Cross by Contractor (12 Inch through 16 Inch)					
	237110	EA	8	\$31,300.00	\$250,400.00	
77	Connections to The Existing System by Contractor (8 Inch through 12 Inch)					
	237110	EA	19	\$7,200.00	\$136,800.00	
78	Connections to The Existing System by Contractor (20 Inch)					
	237110	EA	2	\$16,000.00	\$32,000.00	
79	Cut and Plug by Contractor					
	237110	EA	45	\$5,000.00	\$225,000.00	
				Subtotal	\$803,100.00	
				Total	\$8,190,400.00	

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
SealRight Paving, Inc. 9053 Olive Dr. Spring Valley, CA 91977 United States	Final Pave	364113	1000039542	\$112,162.06	NAT,MALE,PQUAL, MBE,CADIR
Soclaris Contracting 7437 Lowell Ct. La Mesa, CA 91942 United States	Hazard Soil monitoring & Handling	793838	1000011964	\$20,600.00	CADIR,CAU,DVBE,M ALE,SDVSB,SLBE

Bid Results

Name & Address	Description	License Num	CADIR	Amount	Type
Dick Miller Inc. 930 Boardwalk, Suite H San Marcos, CA 92078 United States	concrete flatwork and structures	380204	1000004547	\$314,425.00	CAU,MALE,PQUAL,S LBE,DVBE,CADIR,S DVSB
old castle precast inc 10441 Vine Street Lakeside, CA 92020 United States	Manholes	891107	1000005884	\$14,698.80	
Payco Specialties, Inc. 120 North Second Ave Chula Vista, CA 91910-1127 United States	Striping	298637	1000003515	\$17,767.43	DBE, WBE
Southwest Signal Service 9201 Issac Street Suite A Santee, CA 92071 United States	Detection System, Loops, Ped Push Buttons	451115	1000004265	\$278,556.00	

Item Num	Section	Item Code	Description	Reference	Unit of Measure	Quantity	S.C. Valley Engineering, Inc. - Unit Price	S.C. Valley Engineering, Inc. - Line Total
			Line Totals (Unit Price * Quantity)					
1	Main Bid	524126	Bonds (Payment and Performance)	2-4.1	LS	1	\$55,015.00	\$55,015.00
2	Main Bid	541690	Suspension of Work - Resources	6-3.2.2.1 OR 6-3.2.3.1	DAYS	5	\$1.00	\$5.00
3	Main Bid	237310	Caltrans Encroachment Permit (EOC Type I)	7-5.3	AL	1	\$5,000.00	\$5,000.00
4	Main Bid	237110	Sewage Bypass and Pumping Plan (Diversion Plan)	7-8.5.4	LS	1	\$10,000.00	\$10,000.00
5	Main Bid	541330	WPCP Development	7-8.6.4.2	LS	1	\$5,250.00	\$5,250.00
6	Main Bid	237990	WPCP Implementation	7-8.6.4.2	LS	1	\$35,000.00	\$35,000.00
7	Main Bid	238990	Video Recording of Existing Conditions	7-9.1.1	LS	1	\$2,000.00	\$2,000.00
8	Main Bid	541820	Exclusive Community Liaison Services	7-16.4	LS	1	\$25,000.00	\$25,000.00
9	Main Bid	541690	Monitoring of Contaminated Soil	7-22.20	HR	30	\$120.00	\$3,600.00
10	Main Bid	238990	Preparation of Hazardous Waste Management Plan and Reporting	7-22.20	LS	1	\$5,500.00	\$5,500.00
11	Main Bid	238990	Testing, Sampling, Site Storage and Handling of Petroleum Contaminated Soil	7-22.20	TON	90	\$85.00	\$7,650.00
12	Main Bid	238990	Loading, Transportation, and Disposal of Petroleum Contaminated Soil	7-22.20	TON	90	\$175.00	\$15,750.00
13	Main Bid	238990	Remove and Relocate Existing Sign and Post	9-3.1	EA	3	\$1,200.00	\$3,600.00
14	Main Bid	237110	Mobilization	9-3.4.1	LS	1	\$500,000.00	\$500,000.00
15	Main Bid		Field Orders (EOC Type II)	9-3.5	AL	1	\$645,324.00	\$645,324.00
16	Main Bid	237310	Additional Pavement Removal and Disposal	300-1.4	CY	10	\$1,000.00	\$10,000.00
17	Main Bid	238910	Miscellaneous Hardscape, Remove and Replace with Topsoil	300-1.4	SF	3500	\$7.00	\$24,500.00
18	Main Bid	237310	Pavement Restoration Adjacent to Trench	302-5.2.1	SF	956	\$7.00	\$6,692.00
19	Main Bid	237110	Curb Inlet (Type B)	303-1.11	EA	1	\$9,000.00	\$9,000.00
20	Main Bid	237110	Curb Outlet (Type A)	303-1.11	EA	1	\$7,000.00	\$7,000.00
21	Main Bid	237310	Remove and Replace Existing Sidewalk	303-5.9	SF	1800	\$15.00	\$27,000.00
22	Main Bid	237310	Additional Curb and Gutter Removal and Replacement	303-5.9	LF	100	\$35.00	\$3,500.00
23	Main Bid	237310	Additional Sidewalk Removal and Replacement	303-5.9	SF	25	\$30.00	\$750.00
24	Main Bid	237310	Curb and Gutter (6 Inch Curb, Type G)	303-5.9	LF	400	\$34.00	\$13,600.00
25	Main Bid	237310	Curb and Gutter (6 Inch Curb, Type H)	303-5.9	LF	1850	\$34.00	\$62,900.00
26	Main Bid	237310	Median Curb and Gutter (Type G)	303-5.9	LF	400	\$34.00	\$13,600.00
27	Main Bid	237310	Cross Gutter	303-5.9	SF	200	\$50.00	\$10,000.00
28	Main Bid	237310	Concrete Driveway (Contiguous)	303-5.9	SF	1000	\$12.00	\$12,000.00
29	Main Bid	237310	Curb Ramp (Type A) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	6	\$5,500.00	\$33,000.00
30	Main Bid	237310	Curb Ramp (Type B) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	3	\$5,500.00	\$16,500.00
31	Main Bid	237310	Curb Ramp (Type C1) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	3	\$6,200.00	\$18,600.00
32	Main Bid	237310	Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	19	\$5,900.00	\$112,100.00
33	Main Bid	237310	Additional Sidewalk	303-5.10.2	SF	30	\$12.00	\$360.00
34	Main Bid	237310	Colored Stamped Concrete Raised Median	303-6.5	SF	200	\$25.00	\$5,000.00
35	Main Bid	237110	Removal or Abandonment of Existing Water Facilities	306-3.3.3	LF	8905	\$8.00	\$71,240.00
36	Main Bid	237110	Large Water Main Abandonment	306-3.3.3	LS	1	\$40,000.00	\$40,000.00
37	Main Bid	237110	Handling and Disposal of Non-friable Asbestos Material	306-3.3.4.5	LF	1500	\$29.00	\$43,500.00
38	Main Bid	237110	Additional Bedding	306-15.1	CY	265	\$70.00	\$18,550.00
39	Main Bid	237110	Water Main (16 Inch)	306-15.1	LF	7315	\$247.00	\$1,806,805.00
40	Main Bid	237110	Water Main (20 Inch)	306-15.1	LF	25	\$1,125.00	\$28,125.00
41	Main Bid	237110	Water Main (16 Inch, Class 305)	306-15.1	LF	1570	\$255.00	\$400,350.00
42	Main Bid	237110	Water Main (12 Inch)	306-15.1	LF	155	\$340.00	\$52,700.00
43	Main Bid	237110	Sewer Main (10 Inch)	306-15.1	LF	290	\$550.00	\$159,500.00

44	Main Bid	237110	Sewer Main Vitrified Clay Pipe (12 Inch, Concrete Encased)	306-15.1	LF	350	\$290.00	\$101,500.00
45	Main Bid	237110	Trench Shoring	306-15.2	LS	1	\$60,000.00	\$60,000.00
46	Main Bid	237110	Butterfly Valve (16 Inch, Class 250B)	306-15.5	EA	3	\$7,000.00	\$21,000.00
47	Main Bid	237110	Gate Valve (12 Inch)	306-15.5	EA	5	\$4,800.00	\$24,000.00
48	Main Bid	237110	Fire Hydrant Assembly and Marker (6 Inch) 3 Port	306-15.6	EA	23	\$13,400.00	\$308,200.00
49	Main Bid	237110	Fire Service Connection and Assembly (8 Inch)	306-15.6	EA	2	\$14,000.00	\$28,000.00
50	Main Bid	237110	Fire Service Connection and Assembly (6 Inch)	306-15.6	EA	7	\$13,200.00	\$92,400.00
51	Main Bid	237110	Water Service (2 Inch)	306-15.8	EA	38	\$9,500.00	\$361,000.00
52	Main Bid	237110	Water Service (1 Inch)	306-15.8	EA	48	\$7,200.00	\$345,600.00
53	Main Bid	237110	Water Service (6 Inch)	306-15.8	EA	1	\$11,000.00	\$11,000.00
54	Main Bid	237310	Temporary Resurfacing	306-15.9	TON	962	\$125.00	\$120,250.00
55	Main Bid	237110	Thrust Blocks and Anchor Blocks for 16 Inch and Larger Water Mains	306-15.10	EA	50	\$2,500.00	\$125,000.00
56	Main Bid	237110	Imported Backfill For Trench	306-15.12	TON	3870	\$25.00	\$96,750.00
57	Main Bid	237110	Manholes (4 ft x 3ft)	306-16.6	EA	4	\$11,250.00	\$45,000.00
58	Main Bid	237110	Cleaning and Video Inspection of Existing Pipelines and Culverts	306-18.7	LF	637	\$4.00	\$2,548.00
59	Main Bid	237110	Video Inspection of Pipelines and Culverts for Acceptance	306-18.7	LF	637	\$3.00	\$1,911.00
60	Main Bid	237310	Traffic Control	601-6	LS	1	\$300,000.00	\$300,000.00
61	Main Bid	237310	Flashing Arrow Boards	601-6	LS	1	\$20,000.00	\$20,000.00
62	Main Bid	237310	Portable Changeable Message Signs (EOC Type I)	601-6	AL	1	\$2,500.00	\$2,500.00
63	Main Bid	238210	Temporary Detection System	601-6	EA	19	\$11,500.00	\$218,500.00
64	Main Bid	237310	Pedestrian Barricade	701-2	EA	4	\$1,000.00	\$4,000.00
65	Main Bid	238210	Traffic Detector Loop Stub	701-2	EA	9	\$1,200.00	\$10,800.00
66	Main Bid	238210	Pedestrian Push Button and Foundation	701-2	EA	3	\$2,300.00	\$6,900.00
67	Main Bid	561730	Root Pruning	801-9	EA	5	\$1.00	\$5.00
68	Main Bid	561730	Root Control Barrier	801-9	EA	5	\$2,000.00	\$10,000.00
69	Main Bid	237110	Contractor Furnished Materials for the City Forces High-line Work	900-1.2	LF	17810	\$3.00	\$53,430.00
70	Main Bid	237110	Contractor Furnished Materials for City Forces Connection, Cut and Plug, and Cut-in Work for Mains 16-inch and Larger.	900-2.3	LS	1	\$240,000.00	\$240,000.00
71	Main Bid	237110	Pavement Restoration for Final Connection	901-2.5	SF	2000	\$12.00	\$24,000.00
								\$6,959,860.00
72	Alternate Items A	237110	High-lining Installation by the Contractor	901-1.3	LF	17810	\$18.00	\$320,580.00
73	Alternate Items A	237110	High-lining Removed by the Contractor	901-1.3	LF	17810	\$3.00	\$53,430.00
74	Alternate Items A	237110	Furnished Materials for Contractor High-line Work	900-1.2	LF	17810	\$3.00	\$53,430.00
								\$427,440.00
75	Alternate Items B	237110	Cut-in Tee by Contractor (12 Inch through 16 Inch)	901-2.5	EA	7	\$22,700.00	\$158,900.00
76	Alternate Items B	237110	Cut-in Cross by Contractor (12 Inch through 16 Inch)	901-2.5	EA	8	\$31,300.00	\$250,400.00
77	Alternate Items B	237110	Connections to The Existing System by Contractor (8 Inch through 12 Inch)	901-2.5	EA	19	\$7,200.00	\$136,800.00
78	Alternate Items B	237110	Connections to The Existing System by Contractor (20 Inch)	901-2.5	EA	2	\$16,000.00	\$32,000.00
79	Alternate Items B	237110	Cut and Plug by Contractor	901-2.5	EA	45	\$5,000.00	\$225,000.00
								\$803,100.00
							Total	\$8,190,400.00