

City of San Diego

CONTRACTOR'S NAME: KTA Construction, Inc.
ADDRESS: 821 Tavern Rd. Alpine, California 91901
TELEPHONE NO.: 619-562-9464 FAX NO.: _____
CITY CONTACT: Antoinette Sanfilippo, Contract Specialist, Email: ASanfilippo@sandiego.gov
Phone No. (619) 533-3439, Fax No. (619) 533-3633
J. Jarrell / R. W. Bustamante / LJI

BIDDING DOCUMENTS



ORIGINAL



FOR

AC WATER GROUP 1018A

BID NO.: _____ K-17-1579-DBB-3
SAP NO. (WBS/IO/CC): _____ B-16146
CLIENT DEPARTMENT: _____ 2100
COUNCIL DISTRICT: _____ 2
PROJECT TYPE: _____ KB

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

MAY 2, 2017

CITY OF SAN DIEGO

PUBLIC WORKS CONTRACTS

1010 SECOND AVENUE, 14th FLOOR, MS 614C

SAN DIEGO, CA 92101

ENGINEER OF WORK

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

SP

For City Engineer

3/22/17

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 Group 1018A**. 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 **\$5,590,000**.
4. **BID DUE DATE AND TIME ARE: MAY 2, 2017 at 2:00 PM**
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
6. **LICENSE REQUIREMENT:** The City has determined that the following licensing classification is required for this contract: **A or C34**
7. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract.
 - 7.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1. SLBE participation	7.9%
2. ELBE participation	14.4%
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. PRE-BID MEETING:

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

Date: April 12, 2017

Time: 10:00 AM

Location: 1010 Second Avenue, 14th Floor, San Diego, CA 92101 (Large Conference Room)

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

9. AWARD PROCESS:

- 9.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions of Award as stated within these documents and within the Notice of Intent to Award.
- 9.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening. The City will then award the Contract within approximately 14 days of receipt of properly signed Contract, bonds, and insurance documents.
- 9.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.
- 9.4.** The low Bid will be determined by the Base Bid plus all the Alternates.
- 9.5.** Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base bid alone; or for the Base bid plus one or more alternates.

10. SUBMISSION OF QUESTIONS:

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

Public Works Contracts
1010 Second Avenue, 14th Floor
San Diego, California, 92101
Attention: Juan E. Espindola

OR:

JEEspindola@sandiego.gov

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

- 11. PHASED FUNDING:** For Phased Funding Conditions, see Attachment B.

12. ADDITIVE ALTERNATES:

- 12.1.** The additive 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.
- 12.2.** 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. Complete information and links to the on-line prequalification application are available at:

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

- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or dstucky@sandiego.gov.
- 1.3. Due to the City's fiduciary requirement to safeguard vendor data, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [PlanetBids™](#).

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

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

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

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

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

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

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

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

3. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT

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

3.2. By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.

- 3.3. The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certification, forms and affidavits submitted as part of this bid are true and correct.
- 3.4. The Bidder agrees to the construction of the project as described in Attachment "A-Scope of Work" for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days (90 days for federally funded contracts and contracts valued at \$500,000 or less) from the date of Bid opening. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent.
4. **BIDS ARE PUBLIC RECORDS:** Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.
5. **CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:**
- 5.1. **Prior** to the Award of the Contract or Task Order, you and your Subcontractors and Suppliers must register with the City's web-based vendor registration and bid management system. For additional information go to:
- <http://www.sandiego.gov/purchasing/bids-contracts/vendorreg.shtml>.
- 5.2. The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.
6. **JOINT VENTURE CONTRACTORS:** Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 10 Working Days after receiving the Contract forms. See 7-6, "The Contractors Representative" in The GREENBOOK and 7-6.1 in The WHITEBOOK.
7. **PREVAILING WAGE RATES WILL APPLY:** Refer to Attachment D.
8. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract. Refer to Attachment E.

9. INSURANCE REQUIREMENTS:

- 9.1. All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City's Notice of Intent to Award letter.
- 9.2. Refer to sections 7-3, "LIABILITY INSURANCE", and 7-4, "WORKERS' COMPENSATION INSURANCE" of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.

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

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

- 11. CITY'S RESPONSES AND ADDENDA:** The City, at its discretion, may respond to any or all questions submitted in writing via the City's eBidding web site in the **form of an addendum**. No other responses to questions, oral or written shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addenda are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda at the time of bid submission.

12. **CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.
13. **CONTRACT PRICING:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein. The Bidder agrees to perform construction services for the City of San Diego in accordance with these contract documents for the prices listed below. The Bidder further agrees to guarantee the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee may be extended, by mutual consent of the parties, by the number of days required for the City to obtain all items necessary to fulfill all contractual conditions.
14. **SUBCONTRACTOR INFORMATION:**
- 14.1. **LISTING OF SUBCONTRACTORS.** In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the **NAME** and **ADDRESS** of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR, CONSULTANT** or **SUPPLIER**. The Bidder shall further state within the description, the **PORTION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3, "Subcontracts", which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.
- 14.2. **LISTING OF SUPPLIERS.** Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the **NAME, LOCATION (CITY)** and the **DOLLAR VALUE** of each supplier. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for materials and supplies unless vendor manufactures or substantially alters materials and supplies, in which case, 100% will be credited. The Bidder is to indicate within the description whether the listed firm is a supplier or manufacturer. If no indication is provided, the listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage.

- 14.3. LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES.** For subcontractors or suppliers to be used on additive or deductive alternate items, in addition to the above requirements, bidder shall further note "ALTERNATE" and alternate item number within the description.
- 15. SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.
- 16. AWARD:**
- 16.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
- 16.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
- 16.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.
- 17. SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The GREENBOOK and as amended in the SSP which requires the Contractor to self-perform not less than the specified amount. Failure to comply with this requirement shall render the bid **non-responsive** and ineligible for award.
- 18. AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracts.
- 19. ONLY ONE BID PER CONTRACTOR SHALL BE ACCEPTED:** No person, firm, or corporation shall be allowed to make, file, or be interested in more than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
- 20. SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, First floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms within these documents.

21. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:

- 21.1.** For bids \$250,000 and above, bidders shall submit Bid Security at bid time. Bid Security shall be in one of the following forms: a cashier's check, or a properly certified check upon some responsible bank; or an approved corporate surety bond payable to the City of San Diego for an amount of not less than 10% of the total bid amount.
- 21.2.** This check or bond, and the monies represented thereby, will be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into the contract and furnish the required final performance and payment bonds.
- 21.3.** The Bidder agrees that in the event of the Bidder's failure to execute this contract and provide the required final bonds, the money represented by the cashier's or certified check will remain the property of the City; and the Surety agrees that it will pay to the City the damages, not exceeding the sum of 10% of the amount of the Bid, that the City may suffer as a result of such failure.
- 21.4.** At the time of bid submission, bidders must upload and submit an electronic PDF copy of the aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. Within twenty-four (24) hours after the bid due date and time, the first five (5) apparent low bidders must provide the City with the original bid security.
- 21.5.** Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original within twenty-four (24) hours may cause the bid to be rejected and deemed **non-responsive**.

22. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 22.1.** This contract may be awarded to the lowest responsible and reliable Bidder.
- 22.2.** Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.
- 22.3.** The City reserves the right to reject any or all Bids, to waive any informality or technicality in Bids received, and to waive any requirements of these specifications as to bidding procedure.
- 22.4.** Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City within 3 Working Days of the bid opening, written notice from the Bidder which shows proof of honest, credible, clerical error of a material nature, free from fraud or fraudulent intent; and of evidence that reasonable care was observed in the preparation of the Bid.

- 22.5. A bidder who is not selected for contract award may protest the award of a contract to another bidder by submitting a written protest in accordance with the San Diego Municipal Code.
- 22.6. The City of San Diego will not discriminate in the award of contracts with regard to race, religion creed, color, national origin, ancestry, physical handicap, marital status, sex or age.
- 22.7. Each Bid package properly signed as required by these specifications shall constitute a firm offer which may be accepted by the City within the time specified herein.
- 22.8. The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of the base bid and any proposed alternates or options as detailed herein.

23. BID RESULTS:

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

24. THE CONTRACT:

- 24.1. The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 24.2. If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 24.3. If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.

- 24.4.** Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 24.5.** The award of the Contract is contingent upon the satisfactory completion of the above-mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.
- 25. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.
- 26. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 26.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 26.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 26.3.** The City of San Diego Municipal Code §22.3004 for Contractor Standards.
- 26.4.** The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 26.5.** Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 26.6.** The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).

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

27. **PRE-AWARD ACTIVITIES:**

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

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

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

KTA Construction, a corporation, as principal, and The Guarantee Company of North America USA, 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 **Five Million Two Hundred Twenty Six Thousand One Hundred Seven Dollars and fifty cents (\$5,226,107.50)** for the faithful performance of the annexed contract, and in the sum of **Five Million Two Hundred Twenty Six Thousand One Hundred Seven Dollars and fifty cents (\$5,226,107.50)** or the benefit of laborers and materialmen designated below.

Conditions:

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

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

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

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

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

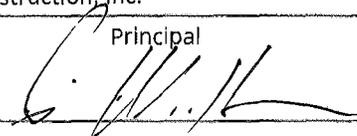
PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND (continued)

Dated May 17, 2017

Approved as to Form

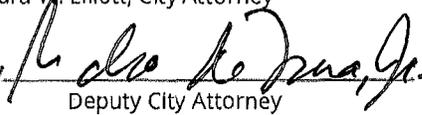
KTA Construction, Inc.

Principal

By 

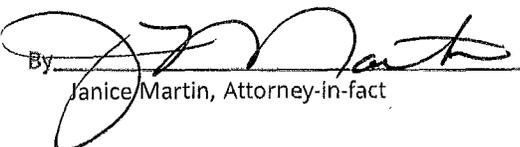
Paul M. Henderson
Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney

By 
Deputy City Attorney

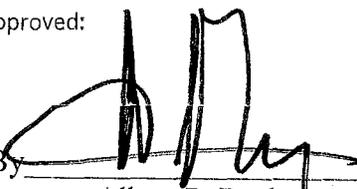
The Guarantee Company of North America USA

Surety

By 

Janice Martin, Attorney-in-fact

Approved:

By 

Albert P. Rechan
Deputy Director
Public Works Contracts

1800 Sutter Street, Suite 880

Local Address of Surety

Concord, CA 94520

Local Address (City, State) of Surety

(818) 936-2845

Local Telephone No. of Surety

Premium \$ 40,970.00

Premium is for contract term and subject to adjustment based on final contract price.

Bond No. 12109264

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT Civil Code § 1189

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

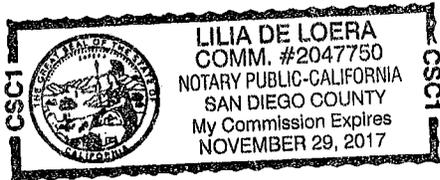
STATE OF CALIFORNIA

County of San Diego

On MAY 17 2017 before me, Lilia De Loera, Notary Public,
Date Insert Name of Notary exactly as it appears on the official seal

personally appeared Janice Martin
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.



Place Notary Seal Above

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 [Handwritten Signature]
Signature of Notary Public Lilia De Loera, Notary Public

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: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

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



Signer is Representing: _____

Signer's Name: _____

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



Signer is Representing: _____



The Guarantee Company of North America USA
Southfield, Michigan

POWER OF ATTORNEY

KNOW ALL BY THESE PRESENTS: That THE GUARANTEE COMPANY OF NORTH AMERICA USA, a corporation organized and existing under the laws of the State of Michigan, having its principal office in Southfield, Michigan, does hereby constitute and appoint

Lawrence F. McMahon, Maria Vhanneza Guise, Sarah Myers, Charlotte Aquino, James D. Castle, Jennifer L. Clampert, Janice Martin
Alliant Insurance Services, Inc.

its true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise.

The execution of such instrument(s) in pursuance of these presents, shall be as binding upon THE GUARANTEE COMPANY OF NORTH AMERICA USA as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at the principal office.

The Power of Attorney is executed and may be certified so, and may be revoked, pursuant to and by authority of Article IX, Section 9.03 of the By-Laws adopted by the Board of Directors of THE GUARANTEE COMPANY OF NORTH AMERICA USA at a meeting held on the 31st day of December, 2003. The President, or any Vice President, acting with any Secretary or Assistant Secretary, shall have power and authority:

- 1. To appoint Attorney(s)-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof; and
2. To revoke, at any time, any such Attorney-in-fact and revoke the authority given, except as provided below
3. In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation.
4. In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner - Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of the Company adopted at a meeting duly called and held on the 6th day of December 2011, of which the following is a true excerpt:

RESOLVED that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, contracts of indemnity and other writings obligatory in the nature thereof, and such signature and seal when so used shall have the same force and effect as though manually affixed.



IN WITNESS WHEREOF, THE GUARANTEE COMPANY OF NORTH AMERICA USA has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, this 23rd day of February, 2012.

THE GUARANTEE COMPANY OF NORTH AMERICA USA

[Signature of Stephen C. Ruschak]

[Signature of Randall Musselman]

STATE OF MICHIGAN
County of Oakland

Stephen C. Ruschak, Vice President

Randall Musselman, Secretary

On this 23rd day of February, 2012 before me came the individuals who executed the preceding instrument, to me personally known, and being by me duly sworn, said that each is the herein described and authorized officer of The Guarantee Company of North America USA; that the seal affixed to said instrument is the Corporate Seal of said Company; that the Corporate Seal and each signature were duly affixed by order of the Board of Directors of



Cynthia A. Takai
Notary Public, State of Michigan
County of Oakland
My Commission Expires February 27, 2018
Acting in Oakland County

IN WITNESS WHEREOF, I have hereunto set my hand at The Guarantee Company of North America USA offices the day and year above written.

[Signature of Cynthia A. Takai]

I, Randall Musselman, Secretary of THE GUARANTEE COMPANY OF NORTH AMERICA USA, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by THE GUARANTEE COMPANY OF NORTH AMERICA USA, which is still in full force and effect.



IN WITNESS WHEREOF, I have thereunto set my hand and attached the seal of said Company this 17th day of May, 2017

[Signature of Randall Musselman]

Randall Musselman, Secretary

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** AC Water Group 1018A consists of installation of 18,490 Linear Feet (LF) or (3.5 miles) miles of 8, 12-inch PVC (Polyvinyl Chloride) water main pipes, to replace the existing 6, 8-inch AC (Asbestos Concrete). All pipe, 18,490 LF is replace in place. Related work for re-installation of fire hydrants, services, curb ramps, and other appurtenances, including street repair and/or resurfacing.

1.1. The Work shall be performed in accordance with:

1.1.1. The Notice Inviting Bids and Exhibits in Appendix "I" inclusive.

2. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$5,590,000**.

3. **LOCATION OF WORK: The location of the Work is as follows:**

See Location Map per Appendix E.

4. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **308 Working Days**.

4.1. **CONTRACTOR'S LICENSE CLASSIFICATION:** In accordance with the provisions of California Law, the Contractor shall possess valid, appropriate licenses at the time that the Bid is submitted. Failure to possess the specified licenses may render the Bid as **non-responsive** and ineligible for award.

4.2. The City has determined that the following licensing classifications are required for this contract:

Option	Classification
1	CLASS A
2	CLASS C34

4.3. The Bidder shall satisfy the licensing requirement by meeting **at least** one of the listed options.

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

1. PHASED FUNDING:

- 1.1.** For phased funded contracts, the City typically secures enough funds for the first 90 days of the contract prior to award. Within 10 Working Days after Bid opening date the Apparent Low Bidder must contact the Project Manager to discuss fund availability and the duration of the first phase and submit the Pre-Award Schedule to the City for approval and preparation of the first Phased Funding Schedule Agreement.
- 1.2.** The Apparent Low Bidder will be required to provide a Pre-award Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 9-3, "PAYMENT" prior to award of Contract.
- 1.3.** If the Bid submitted by the Apparent Low Bidder is rejected by the City for any reason, the next Apparent Low Bidder is to provide the Pre-Award Schedule within 5 Working Days after receiving notice. This process will continue until the City has selects an Awardee or rejects all Bids.
- 1.4.** The first Phased Funding Schedule Agreement must show the fund availability for the first phase. Upon selection of the Awardee and acceptance by the City of the Pre-Award Schedule, the City will present the first Phased Funding Schedule Agreement to you.
- 1.5.** At the City's request, meet with the City's project manager before execution of the first Phased Funding Schedule Agreement to discuss their comments and requests for revision to the Pre-Award Schedule.
- 1.6.** Your failure to perform the any of the following may result in the Bid being rejected as non-responsive:
 1. Meet with the City's project manager, if requested to do so, to discuss and respond to the City's comments regarding the Pre-Award Schedule,
 2. Revise the Pre-Award Schedule as requested by the City within the specified 22 Working Days timeframe, or
 3. Execute the first Phased Funding Schedule Agreement within a day after receipt.

PHASED FUNDING SCHEDULE AGREEMENT

Check one:

- First Phased Funding Schedule Agreement
- Final Phased Funding Schedule Agreement

NOTE: THIS IS A SAMPLE PHASED FUNDING SCHEDULE AGREEMENT FORM.

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

BID NUMBER: _____

CONTRACT OR TASK TITLE: _____

CONTRACTOR: _____

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1				\$
	<u>Additional phases to be added</u>			
	<u>to this form as necessary.</u>			
Total				\$

Notes:

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

CITY OF SAN DIEGO

CONTRACTOR

By: _____

By: _____

Name: _____

Name: _____

Project Manager

Department Name: _____

Title: _____

Date: _____

Date: _____

END OF PHASED FUNDING SCHEDULE AGREEMENT

ATTACHMENT C
INTENTIONALLY LEFT BLANK

ATTACHMENT D
PREVAILING WAGES

ATTACHMENT D

PREVAILING WAGES

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

- 1.3. Payroll Records.** Contractor and its subcontractors shall comply with California Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.
- 1.3.1.** For contracts entered into on or after April 1, 2015, Contractor and their subcontractors shall furnish records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.
- 1.4. Apprentices.** Contractor and its subcontractors shall comply with California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning the employment and wages of apprentices. Contractor is held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.
- 1.5. Working Hours.** Contractor and their subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on design professionals and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.
- 1.6. Required Provisions for Subcontracts.** Contractor shall include at a minimum a copy of the following provisions in any contract they enter into with a subcontractor: California Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- 1.7. Labor Code Section 1861 Certification.** Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."
- 1.8. Labor Compliance Program.** The City has its own Labor Compliance Program authorized in August 2011 by the DIR. The City will withhold contract payments when payroll records are delinquent or deemed inadequate by the City or other governmental entity, or it has been established after an investigation by the City or other governmental entity that underpayment(s) have occurred. For questions or assistance, please contact the City of San Diego's Equal Opportunity Contracting Department at 619-236-6000.

1.9. Contractor and Subcontractor Registration Requirements. This project is subject to compliance monitoring and enforcement by the DIR. As of March 1, 2015, no contractor or subcontractor may be listed on a bid or proposal for a public works project unless registered with the DIR pursuant to Labor Code section 1725.5. As of April 1, 2015, a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, or enter into any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. By submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Contractor shall provide proof of registration to the City upon request.

1.9.1. A Contractor's inadvertent error in listing a subcontractor who is not registered pursuant to Labor Code section 1725.5 in response to a solicitation shall not be grounds for filing a bid protest or grounds for considering the bid non-responsive provided that any of the following apply: (1) the subcontractor is registered prior to bid opening; (2) within twenty-four hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in Labor Code section 1725.5; or (3) the subcontractor is replaced by another registered subcontractor pursuant to Public Contract Code section 4107.

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

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

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

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

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

The **Normal Working Hours** are 8:30 AM to 3:30 PM.

SECTION 2 - SCOPE AND CONTROL OF WORK

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

1. You shall perform, with your own organization, Contract Work amounting to at least 50% of the base Bid **AND** 50% of any alternates.

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

2. Other adjacent City projects are scheduled for construction for the same time period in the vicinity of this contract. See Appendix "F" for the approximate location. Coordinate the Work with the adjacent projects as listed below:
 - a) Ingraham Street, James Bajet, 616-533-3046,
 - b) Water & Sewer Group 816, Regan Owen, 619-533-5205 Fanuel St Pl Archer to Tourmaline UUD, Jie Xiao, 619-533-5496
 - c) Pacific Beach 1 SL Series Circuit Conv, Joseph Diab, 619-533-6415
 - d) Fanuel Street Phase II Grand to Reed, Jie Xiao, 619-533-5496
 - e) Fanuel St Pl Archer to Tourmaline UU, Jie Xiao, 619-533-5496

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

SECTION 3 - CHANGES IN WORK

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

ADD:

3-5.1

Claims.

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

3-5.1.1

Initiation of Claim.

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

3-5.1.1.1

Claim Certification Submittal.

1. If your Claim seeks an increase in the Contract Price, the Contract Time, or both, submit with the Claim an affidavit certifying the following:
 - a) The Claim is made in good faith and covers all costs and delays to which you are entitled as a result of the event(s) giving rise to the Claim.
 - b) The amount claimed accurately reflects the adjustments in the Contract Price, the Contract Time, or both to which you believe you are entitled.

- c) All supporting costs and pricing data are current, accurate, and complete to the best of your knowledge. The cost breakdown per item of Work shall be supplied.
- d) You shall ensure that the affidavit is executed by an official who has the authority to legally bind you.

3-5.1.2 Initial Determination.

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

3-5.1.3 Settlement Meeting.

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

3-5.1.7 City's Final Determination.

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

3-5.1.8 Mandatory Assistance.

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

3-5.1.8.1 Compensation for Mandatory Assistance.

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

4. Reimbursement may be through any legal means necessary, including the City's withholding of your payment.

3-5.2.3

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

1. A single mediator, knowledgeable in construction aspects and acceptable to both parties, shall be used to mediate the dispute.
2. To initiate mediation, the initiating party shall serve a Request for Mediation at the American Arbitration Association (AAA) on the opposing party.
3. If AAA is used, the initiating party shall concurrently file with AAA a "Request for Mediation" along with the appropriate fees, a copy of requested mediators marked in preference order, and a preference for available dates.
4. If AAA is selected to coordinate the mediation (Administrator), within 10 Working Days from the receipt of the initiating party's Request for Mediation, the opposing party shall file the following:
 - a) A copy of the list of the preferred mediators listed in preference order after striking any mediators to which they have any objection.
 - b) A preference for available dates.
 - c) Appropriate fees.
5. If the parties cannot agree on a mediator, then each party shall select a mediator and those mediators shall select the neutral third party to mediate the matter.

3-5.3

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

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

SECTION 4 - CONTROL OF MATERIALS

4-1.3.5

Special Inspection. To the "WHITEBOOK", ADD the following:

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

4-1.3.6

Preapproved Materials. To the "WHITEBOOK", ADD the following:

3. You shall submit in writing a list of all products to be incorporated in the Work that are on the AML.

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

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

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

SECTION 5 - UTILITIES

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

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

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

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

SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

6-2.1 Moratoriums. To the "WHITEBOOK", ADD the following:

3. Do not Work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed here:
 - a) AC Water Group 1018: Holiday Shopping from Thanksgiving Day to New Year's Day.
 - b) Cass Street from Diamond Street to Garnet Avenue: Summer Beach from Memorial Day to Labor Day.

ADD:

6-3.2.1.1 Environmental Document.

1. The City of San Diego Environmental Analysis Section (EAS) of the Development Services Department has prepared a Notice of Exemption for AC Water Group 1018A, DEP No. **B-16146** 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.

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.

7-3.2.4 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.

7-3.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.

7-3.5.4.1 Additional Insured.

1. The policy or policies shall be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products,
 - c) your work, e.g., your completed operations performed by you or on your behalf, or
 - d) premises owned, leased, controlled, or used by you.

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

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

7-3.5.4.2 Primary and Non-Contributory Coverage. The policy or policies shall be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. Any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

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

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

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

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

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

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

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

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

2. Limits for this insurance shall be not less than the following:

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

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

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

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

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

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

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

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

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

SECTION 9 - MEASUREMENT AND PAYMENT

ADD:

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

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

SECTION 203 - BITUMINOUS MATERIALS

203-3.4.4 Rubber Polymer Modified Slurry (RPMS). To the "WHITEBOOK", ADD the following:

1. RPMS shall be used on this Contract.

SECTION 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	
Pipe Zone	From 12" (300 mm) above top of pipe or box to 6" (150 mm) below bottom of pipe or box exterior	2.5" (63 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour).
Overexcavation	Backfill more than 6" (150 mm) below bottom of pipe or box exterior	6" (150 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour). Trench backfill slurry (100-E-100) per 201-1 may also be used.

SECTION 302 - ROADWAY SURFACING

302-4.12.2.1 **General.** To the "WHITEBOOK", ADD the following:

3. When Type I or Type II slurry is to be applied over Type II or Type III slurry, corrective action in accordance with 302-4.11.1.2, "Reduction in Payment Based on WTAT" such as reductions in payment, non-payment, or removal of material not meeting specifications, as directed by the Engineer, shall be executed prior to the application of the surface material.

302-4.12.4 **Measurement and Payment.** To the "WHITEBOOK", item 2, Bid Description Table, ADD the following:

BID DESCRIPTION	UNIT
Rubber Polymer Modified Slurry (RPMS) Type I Over Type III and Striping	SF

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

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

SECTION 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: Fanuel Street
2. Phase II: Law Strret
3. Phase III: Chalcedony Street
4. Phase IV: Missouri Street
5. Phase V: Diamond Street
6. Phase VI: Emerald Street
7. Phase VII: Felspar Street
8. Phase VIII: Hornblend Street
9. Phase VIII: Thomas Avenue

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.

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

- a) Specified test pressure for Class 235 pipe shall be 150 psi.

306-15.9 **Temporary Resurfacing** To the "GREENBOOK", ADD the following:

1. The Bid item for "Temporary Resurfacing" shall also include the payment for temporary resurfacing High-lining Work.

SECTION 900 – MATERIALS

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: 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
Development Services Department
1222 First Avenue, MS 501
San Diego, CA 92101

Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

Project No.: **B-16146.02.06**

Project Title: **AC Water Group 1018A**

Project Location-Specific: The project is located within the Pacific Beach community area (Council District 2), and would affect portions of the following streets: Fanuel Street, Law Street, Chalcedony Street, Missouri Street, Diamond Street, Emerald Street, Felspar Street, Hornblend Street, and Thomas Avenue.

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

Description of nature and purpose of the Project: The original water mains are deteriorating and nearing the end of their service life. The project would include the replacement of approximately 18,490 linear feet (LF) (3.5 miles) of existing 6-, 8- and 12-inch diameter AC (asbestos concrete) pipes with 8- and 12-inch diameter PVC (polyvinyl chloride) water mains in existing trench alignments at the same or shallower depth. Related work would include re-installation of fire hydrants, services, curb ramps, and other appurtenances, including street repair and/or resurfacing. The pipeline installation work would occur with the public right-of-way (paved streets).

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
Jong Choi, Project Manager
525 B Street, Suite 750
San Diego, CA 92101
619.533.5493

Exempt Status: (CHECK ONE)

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269 (b)(c))
- Categorical Exemption: 15301(b) [Existing Facilities], 15302(c) [Replacement or Reconstruction], and 15304(f) [Minor Alterations to Land]
- Statutory Exemptions:

Reasons why project is exempt: The City of San Diego conducted an environmental review which determined the project meets the categorical exemption criteria set forth in CEQA State Guidelines, Section 15301(b) [Existing Facilities], which allows for operation, repair, maintenance and permitting or minor alteration of existing public or private structures, facilities, and mechanical equipment involving negligible or no expansion of use including both investor and publicly owned utilities to provide water; Section 15302(c) [Replacement or Reconstruction], which allows for replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and have substantially the same purpose and capacity as the structure replaced including replacement of existing utility systems; Section 15304(f) [Minor Alterations to Land], which applies to minor trenching and backfilling where the surface is restored; and where the exceptions

Revised 010410mjh

AC-Water Group-1018A

Appendix A - Notice of Exemption

listed in Section 15300.2 would not apply. All work would occur within developed and non-sensitive areas within previously disturbed soils.

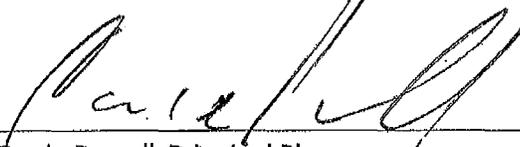
Lead Agency Contact Person: James Arnhart, Senior Planner

Telephone: (619) 533-5275

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, Principal Planner

7/25/16

 Date

Check One:

- Signed By Lead Agency
- Signed by Applicant

Date Received for Filing with County Clerk or OPR:

APPENDIX B
FIRE HYDRANT METER PROGRAM

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

1. **PURPOSE**

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

2. **AUTHORITY**

- 2.1 All authorities and references shall be current versions and revisions.
- 2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15
- 2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986
- 2.4 California Code of Regulations, Titles 17 and 22
- 2.5 California State Penal Code, Section 498B.0
- 2.6 State of California Water Code, Section 110, 500-6, and 520-23
- 2.7 Water Department Director

Reference

- 2.8 State of California Guidance Manual for Cross Connection Programs
- 2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention
- 2.10 American Water Works Association Standards for Water Meters
- 2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

3. **DEFINITIONS**

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

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 2 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.

3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

4. **POLICY**

4.1 The Water Department shall collect a deposit from every customer requiring a fire hydrant meter and appurtenances prior to providing the meter and appurtenances (see Section 7.1 regarding the Fees and Deposit Schedule). The deposit is refundable upon the termination of use and return of equipment and appurtenances in good working condition.

4.2 Fire hydrant meters will have a 2 ½" swivel connection between the meter and fire hydrant. The meter shall not be connected to the 4" port on the hydrant. All Fire Hydrant Meters issued shall have a Reduced Pressure Principle Assembly (RP) as part of the installation. Spanner wrenches are the only tool allowed to turn on water at the fire hydrant.

4.3 The use of private hydrant meters on City hydrants is prohibited, with exceptions as noted below. All private fire hydrant meters are to be phased out of the City of San Diego. All customers who wish to continue to use their own fire hydrant meters must adhere to the following conditions:

a. Meters shall meet all City specifications and American Water Works Association (AWWA) standards.

b. Customers currently using private fire hydrant meters in the City of San Diego water system will be allowed to continue using the meter under the following conditions:

1. The customer must submit a current certificate of accuracy and calibration results for private meters and private backflows annually to the City of San Diego, Water Department, Meter Shop.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 3 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

2. The meter must be properly identifiable with a clearly labeled serial number on the body of the fire hydrant meter. The serial number shall be plainly stamped on the register lid and the main casing. Serial numbers shall be visible from the top of the meter casing and the numbers shall be stamped on the top of the inlet casing flange.
3. All meters shall be locked to the fire hydrant by the Water Department, Meter Section (see Section 4.7).
4. All meters shall be read by the Water Department, Meter Section (see Section 4.7).
5. All meters shall be relocated by the Water Department, Meter Section (see Section 4.7).
6. These meters shall be tested on the anniversary of the original test date and proof of testing will be submitted to the Water Department, Meter Shop, on a yearly basis. If not tested, the meter will not be allowed for use in the City of San Diego.
7. All private fire hydrant meters shall have backflow devices attached when installed.
8. The customer must maintain and repair their own private meters and private backflows.
9. The customer must provide current test and calibration results to the Water Department, Meter Shop after any repairs.
10. When private meters are damaged beyond repair, these private meters will be replaced by City owned fire hydrant meters.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 4 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

11. When a private meter malfunctions, the customer will be notified and the meter will be removed by the City and returned to the customer for repairs. Testing and calibration results shall be given to the City prior to any re-installation.
 12. The register shall be hermetically sealed straight reading and shall be readable from the inlet side. Registration shall be in hundred cubic feet.
 13. The outlet shall have a 2 ½ "National Standards Tested (NST) fire hydrant male coupling.
 14. Private fire hydrant meters shall not be transferable from one contracting company to another (i.e. if a company goes out of business or is bought out by another company).
- 4.4 All fire hydrant meters and appurtenances shall be installed, relocated and removed by the City of San Diego, Water Department. All City owned fire hydrant meters and appurtenances shall be maintained by the City of San Diego, Water Department, Meter Services.
- 4.5 If any fire hydrant meter is used in violation of this Department Instruction, the violation will be reported to the Code Compliance Section for investigation and appropriate action. Any customer using a fire hydrant meter in violation of the requirements set forth above is subject to fines or penalties pursuant to the Municipal Code, Section 67.15 and Section 67.37.
- 4.6 **Conditions and Processes for Issuance of a Fire Hydrant Meter**

Process for Issuance

- a. Fire hydrant meters shall only be used for the following purposes:
 1. Temporary irrigation purposes not to exceed one year.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 5 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

2. Construction and maintenance related activities (see Tab 2).

- b. No customer inside or outside the boundaries of the City of San Diego Water Department shall resell any portion of the water delivered through a fire hydrant by the City of San Diego Water Department.
- c. The City of San Diego allows for the issuance of a temporary fire hydrant meter for a period not to exceed 12 months (365 days). An extension can only be granted in writing from the Water Department Director for up to 90 additional days. A written request for an extension by the consumer must be submitted at least 30 days prior to the 12 month period ending. No extension shall be granted to any customer with a delinquent account with the Water Department. No further extensions shall be granted.
- d. Any customer requesting the issuance of a fire hydrant meter shall file an application with the Meter Section. The customer must complete a "Fire Hydrant Meter Application" (Tab 1) which includes the name of the company, the party responsible for payment, Social Security number and/or California ID, requested location of the meter (a detailed map signifying an exact location), local contact person, local phone number, a contractor's license (or a business license), description of specific water use, duration of use at the site and full name and address of the person responsible for payment.
- e. At the time of the application the customer will pay their fees according to the schedule set forth in the Rate Book of Fees and Charges, located in the City Clerk's Office. All fees must be paid by check, money order or cashiers check, made payable to the City Treasurer. Cash will not be accepted.
- f. No fire hydrant meters shall be furnished or relocated for any customer with a delinquent account with the Water Department.
- g. After the fees have been paid and an account has been created, the

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meter shall be installed within 48 hours (by the second business day). For an additional fee, at overtime rates, meters can be installed within 24 hours (within one business day).

4.7 Relocation of Existing Fire Hydrant Meters

- a. The customer shall call the Fire Hydrant Meter Hotline (herein referred to as "Hotline"), a minimum of 24 hours in advance, to request the relocation of a meter. A fee will be charged to the existing account, which must be current before a work order is generated for the meter's relocation.
- b. The customer will supply in writing the address where the meter is to be relocated (map page, cross street, etc). The customer must update the original Fire Hydrant Meter Application with any changes as it applies to the new location.
- c. Fire hydrant meters shall be read on a monthly basis. While fire hydrant meters and backflow devices are in service, commodity, base fee and damage charges, if applicable, will be billed to the customer on a monthly basis. If the account becomes delinquent, the meter will be removed.

4.8 Disconnection of Fire Hydrant Meter

- a. After ten (10) months a "Notice of Discontinuation of Service" (Tab 3) will be issued to the site and the address of record to notify the customer of the date of discontinuance of service. An extension can only be granted in writing from the Water Department Director for up to 90 additional days (as stated in Section 4.6C) and a copy of the extension shall be forwarded to the Meter Shop Supervisor. If an extension has not been approved, the meter will be removed after twelve (12) months of use.
- b. Upon completion of the project the customer will notify the Meter Services office via the Hotline to request the removal of the fire hydrant meter and appurtenances. A work order will be generated

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for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

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

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

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inspection. After installation is approved by the Meter Shop the vehicle and meter shall be brought to the Meter Shop on a monthly basis for meter reading and on a quarterly basis for testing of the backflow assembly. Meters mounted at the owner's expense shall have the one year contract expiration waived and shall have meter or backflow changed if either fails.

b) **Floating Meters:** Floating Meters are meters that are not mounted to a vehicle. **(Note: All floating meters shall have an approved backflow assembly attached.)** The customer shall submit an application and a letter explaining the need for a floating meter to the Meter Shop. The Fire Hydrant Meter Administrator, after a thorough review of the needs of the customer, (i.e. number of jobsites per day, City contract work, lack of mounting area on work vehicle, etc.), may issue a floating meter. At the time of issue, it will be necessary for the customer to complete and sign the "Floating Fire Hydrant Meter Agreement" which states the following:

- 1) The meter will be brought to the Meter Shop at 2797 Caminito Chollas, San Diego on the third week of each month for the monthly read by Meter Shop personnel.
- 2) Every other month the meter will be read and the backflow will be tested. This date will be determined by the start date of the agreement.

If any of the conditions stated above are not met the Meter Shop has the right to cancel the contract for floating meter use and close the account associated with the meter. The Meter Shop will also exercise the right to refuse the issuance of another floating meter to the company in question.

Any Fire Hydrant Meter using reclaimed water shall not be allowed use again with any potable water supply. The customer shall incur the cost of replacing the meter and backflow device in this instance.

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7. FEE AND DEPOSIT SCHEDULES

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

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

8. UNAUTHORIZED USE OF WATER FROM A HYDRANT

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

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

**Larry Gardner
Water Department Director**

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

APPENDIX

Administering Division: Customer Support Division

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

Distribution: DI Manual Holders



Application for Fire (EXHIBIT A) Hydrant Meter

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

Application Date	Requested Install Date:
------------------	-------------------------

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) Zip:	T.B.	G.B. (CITY USE)
Specific Use of Water:		
Any Return to Sewer or Storm Drain, If so, explain:		
Estimated Duration of Meter Use:	<input type="checkbox"/>	<input type="checkbox"/> Check Box If Reclaimed Water

Company Information

Company Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ()
*Business license#		*Contractor license#	
A Copy of the Contractor's license OR Business License is required at the time of meter issuance.			
Name and Title of Billing Agent: <small>(PERSON IN ACCOUNTS PAYABLE)</small>			Phone: ()
Site Contact Name and Title:			Phone: ()
Responsible Party Name:			Title:
Cal ID#			Phone: ()
Signature:		Date:	
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			

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: 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

City of San Diego, Field Engineering Div., 9485 Aero Drive, SD CA 92123		Contractor's Name:	
Project Name:		Contractor's Address:	
Work Order No or Job Order No.			
City Purchase Order No.		Contractor's Phone #:	Invoice No.
Resident Engineer (RE):		Contractor's fax #:	Invoice Date:
RE Phone#:	Fax#:	Contact Name:	Billing Period: (to

Item #	Item Description	Contract Authorization			Previous Totals To Date		This Estimate		Totals to Date	
		Unit	Price	Qty	Extension	%/QTY	Amount	% / QTY	Amount	% / QTY
1					\$ -		\$ -		0.00%	\$ -
2					\$ -		\$ -		0.00%	\$ -
3					\$ -		\$ -		0.00%	\$ -
4					\$ -		\$ -		0.00%	\$ -
5					\$ -		\$ -		0.00%	\$ -
6					\$ -		\$ -		0.00%	\$ -
7					\$ -		\$ -		0.00%	\$ -
8					\$ -		\$ -		0.00%	\$ -
9					\$ -		\$ -		0.00%	\$ -
10					\$ -		\$ -		0.00%	\$ -
11					\$ -		\$ -		0.00%	\$ -
12					\$ -		\$ -		0.00%	\$ -
13					\$ -		\$ -		0.00%	\$ -
14					\$ -		\$ -		0.00%	\$ -
15					\$ -		\$ -		0.00%	\$ -
16					\$ -		\$ -		0.00%	\$ -
17	Field Orders				\$ -		\$ -		0.00%	\$ -
18					\$ -		\$ -		0.00%	\$ -
CHANGE ORDER No.					\$ -		\$ -		0.00%	\$ -
Total Authorized Amount (including approved Change Order)					\$ -		\$ -			Total Billed \$ -

SUMMARY

A. Original Contract Amount	\$ -
B. Approved Change Order #00 Thru #00	\$ -
C. Total Authorized Amount (A+B)	\$ -
D. Total Billed to Date	\$ -
E. Less Total Retention (5% of D)	\$ -
F. Less Total Previous Payments	\$ -
G. Payment Due Less Retention	\$0.00
H. Remaining Authorized Amount	\$0.00

I certify that the materials
have been received by me in
the quality and quantity specified

Resident Engineer

Construction Engineer

Retention and/or Escrow Payment Schedule

Total Retention Required as of this billing (Item E)	\$0.00
Previous Retention Withheld in PO or in Escrow	\$0.00
Add'l Amt to Withhold in PO/Transfer in Escrow:	\$0.00
Amt to Release to Contractor from PO/Escrow:	

Contractor Signature and Date: _____

APPENDIX E
LOCATION MAP

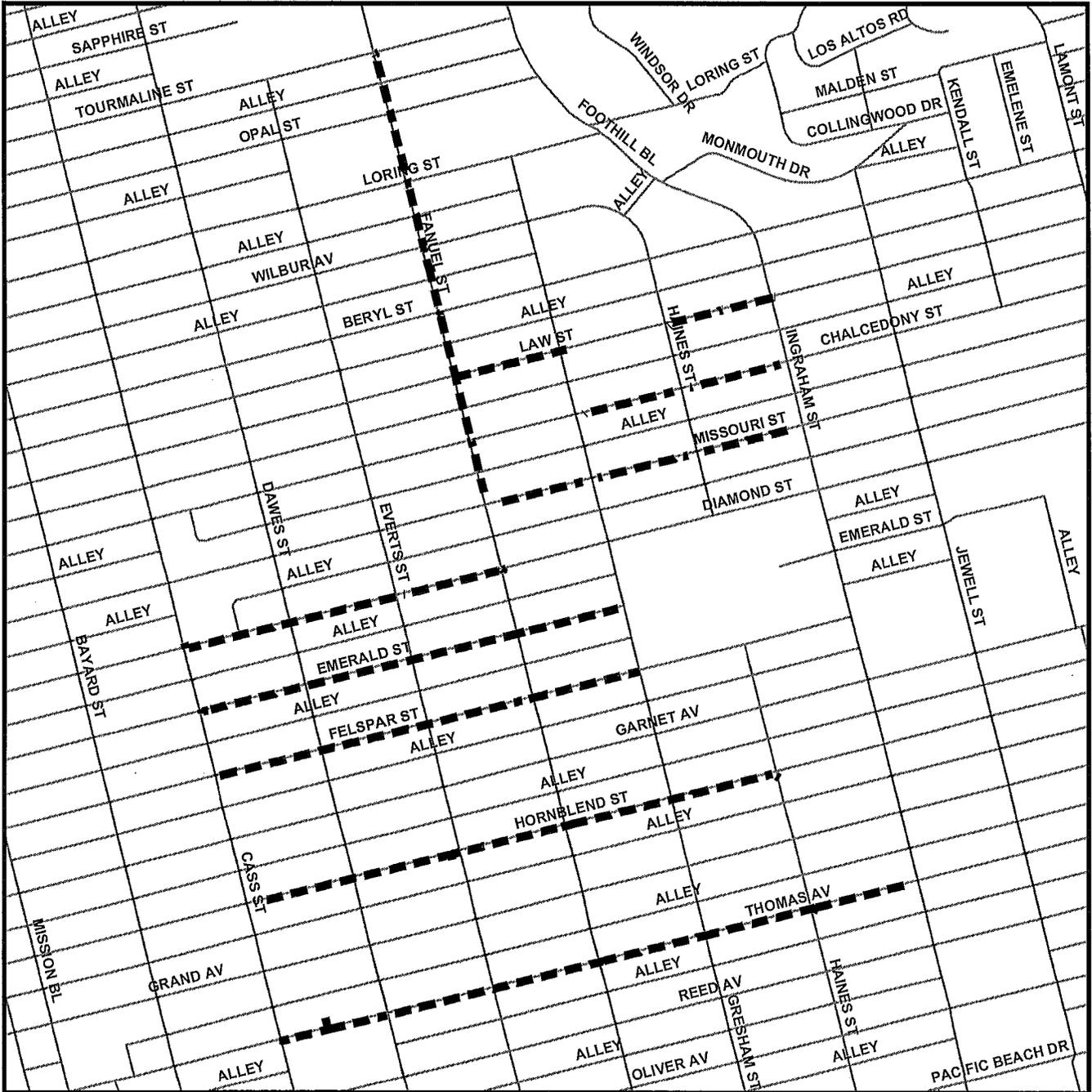
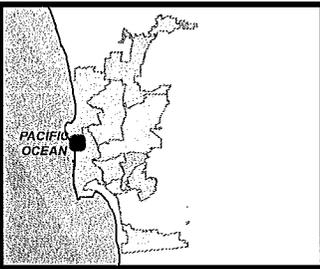
AC Water Group 1018A

SENIOR ENGINEER
 SHEILA BOSE
 (619) 533-4698

PROJECT MANAGER
 CASEY CROWN
 (619) 533-5485

PROJECT ENGINEER
 JENNY JARRELL
 (619) 533-5224

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



Legend

— — — Proposed Water Pipes



AC Water Group 1018A Appendix E - Location Map

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APPENDIX F
ADJACENT PROJECTS

Pacific Beach 1 SL Series Circuit Conv

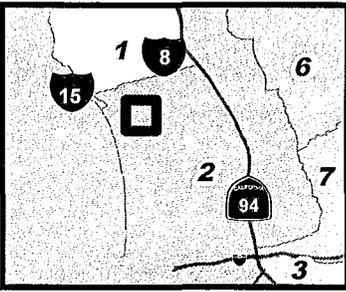
PREDESIGN
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 RHEA VIDA
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PREDESIGN
 PROJECT DRAFTER
 MAAN KYESO
 (858) 573-5086

PRELIMINARY LOCATION MAP



Legend

Proposed Series Circuit Conversion:

- ▲ Circuit 1- ex. street light (23)
- Circuit 3- ex. street light (43)
- ◈ Circuit 2- ex. street light (18)
- Circuit 4- ex. street light (46)



No Scale

Document Path: S:\PITS\PITS-CIP-Preliminary-Engineering-and-Program-Coordination\Drafting\TPO Transportation\Pacific Beach 1 SL Series Circuit Conv (B-16119)\CIP Tracking\Location Maps\Preliminary Location Map 12-1-2016.mxd

Community Name: PENINSULA

Council District: 2

WBS # B-16118
 71 | Page

AC Water Group 1018A Appendix F, Adjacent Projects (Rev. Sept. 2016)

Date: 1/26/2017



PROJECT IMPLEMENTATION DIVISION

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PREDESIGN LOCATION MAP

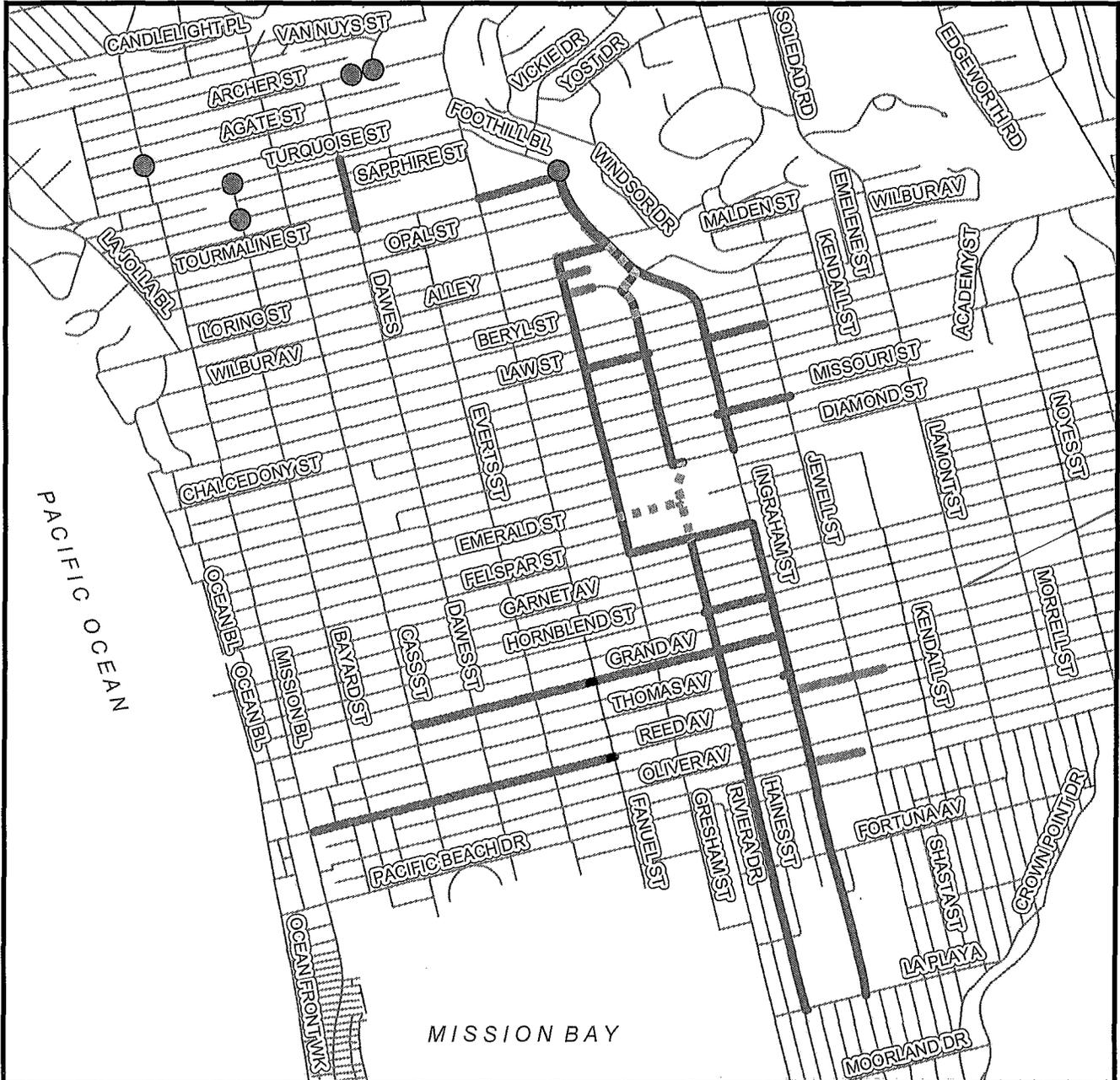
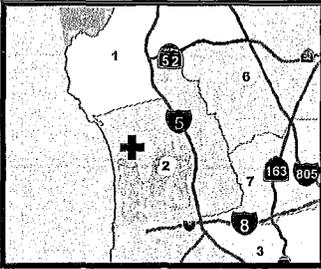
WATER AND SEWER GROUP JOB 816

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PREDESIGN PROJECT MANAGER
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PREDESIGN PROJECT ENGINEER
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PREDESIGN DRAFTER
 TEDDY RAMOS
 (619) 533-3734



Legend

- 816 Water Main Replacement
- 816 Water to be Abandoned
- 816 Sewer Main Replacement
- Prop Archer 330 HGL Zone Exp



No Scale

S:\PITS\PITS-CIP-Preliminary-Engineering-and-Program-Coordination\Drafting\Water & Sewer Projects\Water and Sewer Projects\Water and Sewer Group Job 816\CIP Tracking\Location Maps

Community Name: Pacific Beach

Council District: 2

SAP ID# S13015 (W)

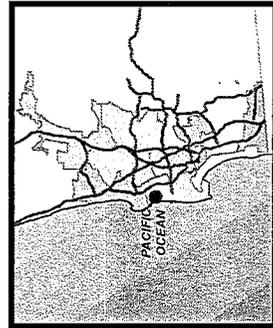
AC Water Group 1018A Appendix F-Adjacent Projects (Rev. Sept. 2016)
 Date: 4-19-13



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FANUEL STREET PHASE II GRAND TO REED

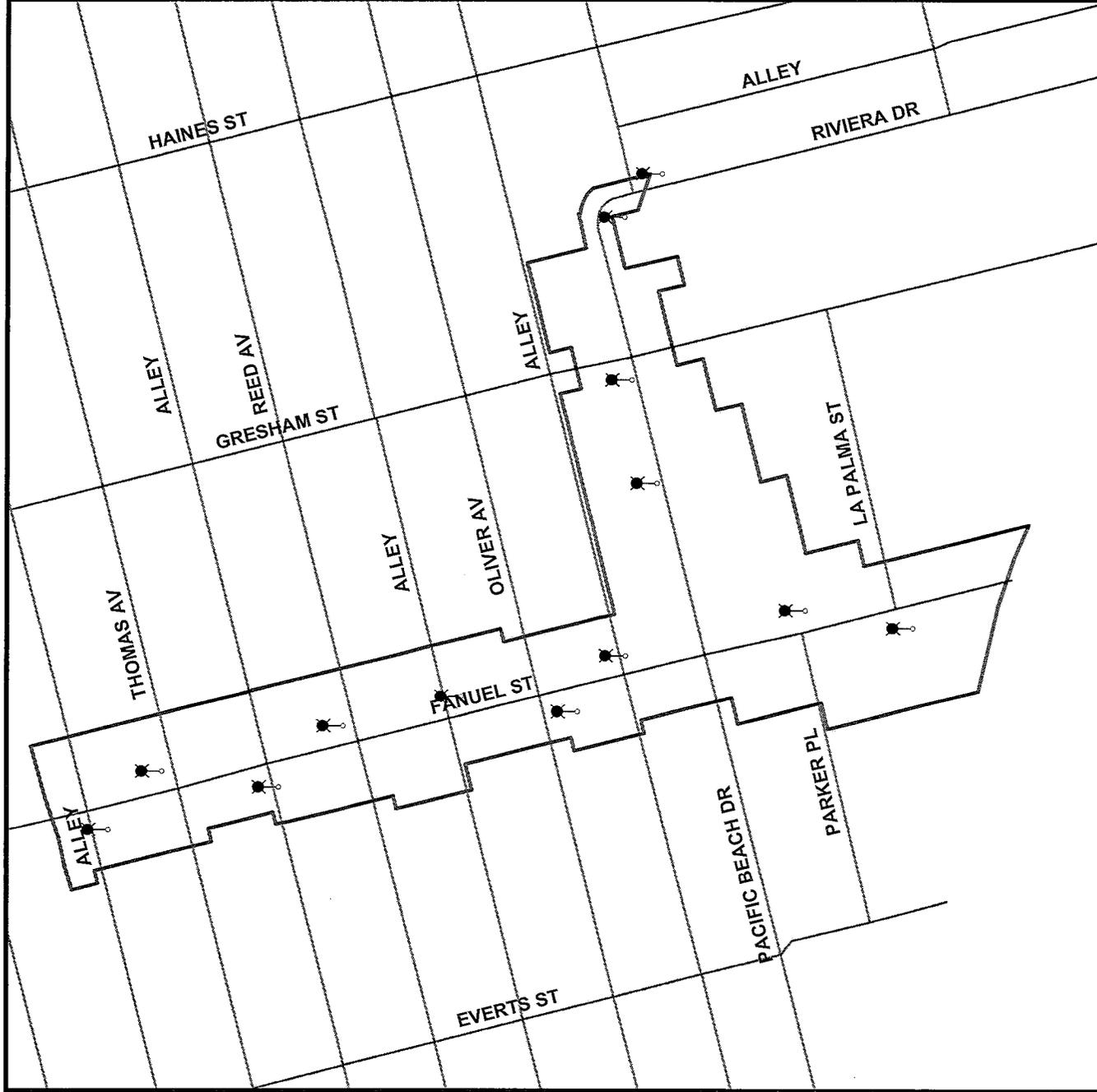


SENIOR ENGINEER
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PROJECT MANAGER
JIE XIAO
(619) 533-5496

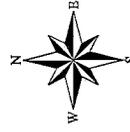


CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



Legend

STREET LIGHTS TOTAL (13)



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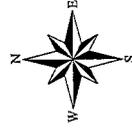
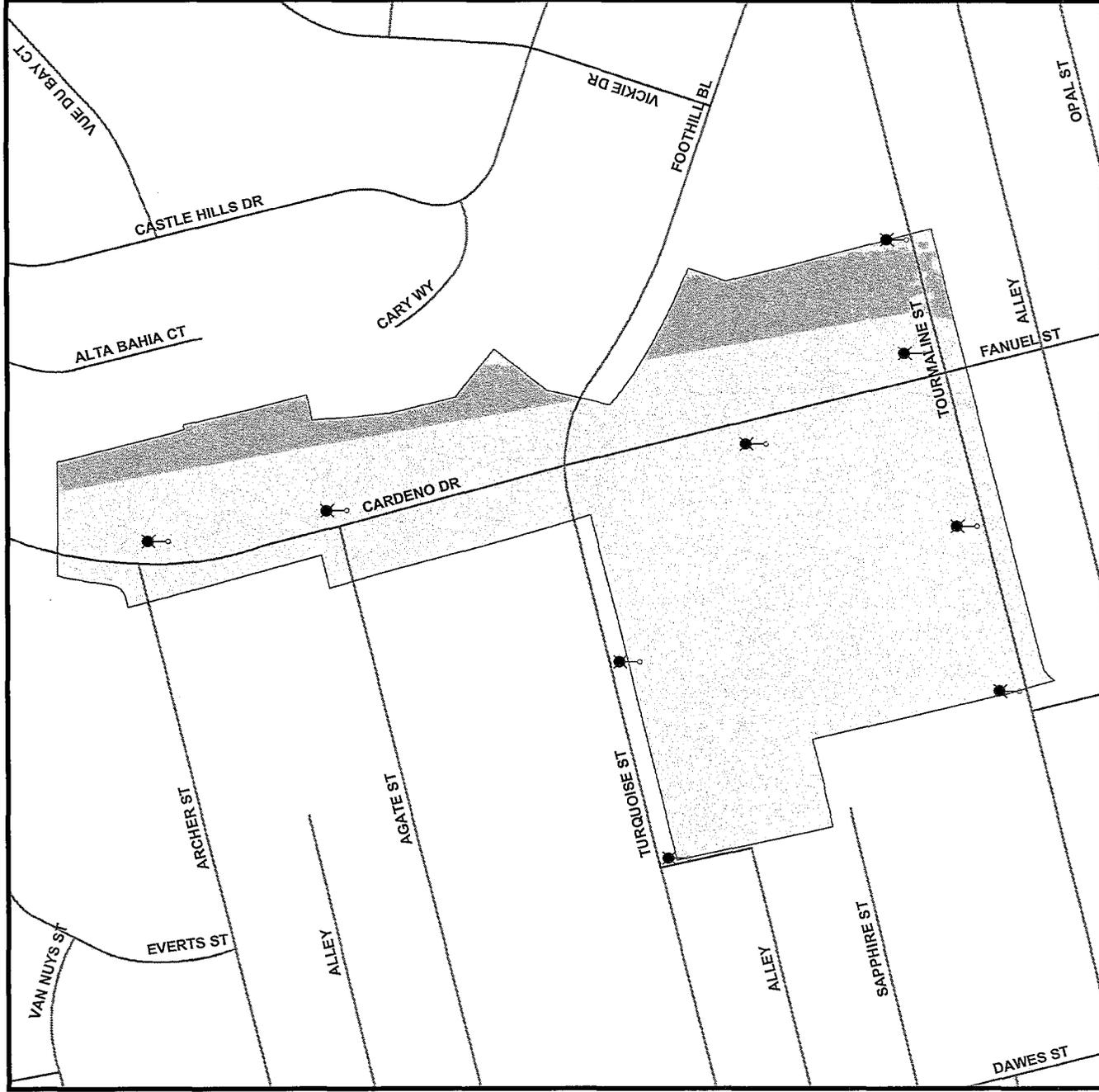
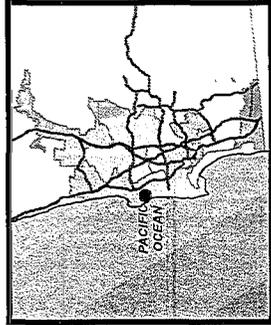
FANUEL ST PL ARCHER TO TOURMALINE UU

SENIOR ENGINEER
LABIB CASEM
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PROJECT MANAGER
JIE XIAO
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CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



Legend

Total Street Lights (9)

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APPENDIX G

ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

Protecting AMI Devices in Meter Boxes and on Street Lights

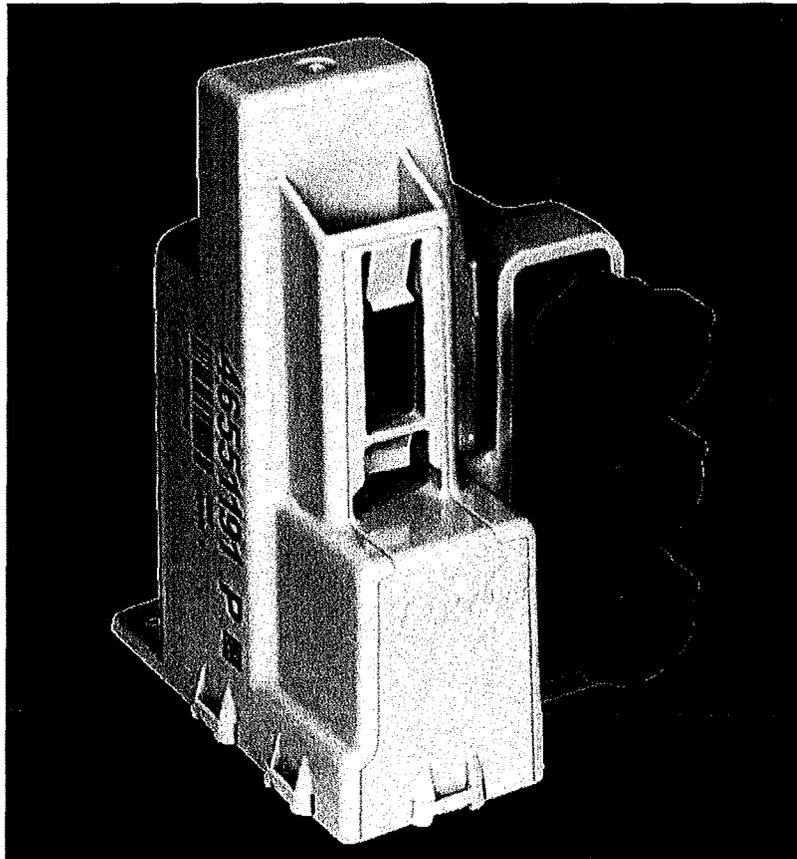
The Public Utilities Department (PUD) has begun the installation of the Advanced Metering Infrastructure (AMI) technology as a new tool to enhance water meter reading accuracy and efficiency, customer service and billing, and to be used by individual accounts to better manage the efficient use of water. **All AMI devices shall be protected per Section 5-2, "Protection", of the 2015 Whitebook.**

AMI technology allows water meters to be read electronically rather than through direct visual inspection by PUD field staff. This will assist PUD staff and customers in managing unusual consumption patterns which could indicate leaks or meter tampering on a customer's property.

Three of the main components of an AMI system are the:

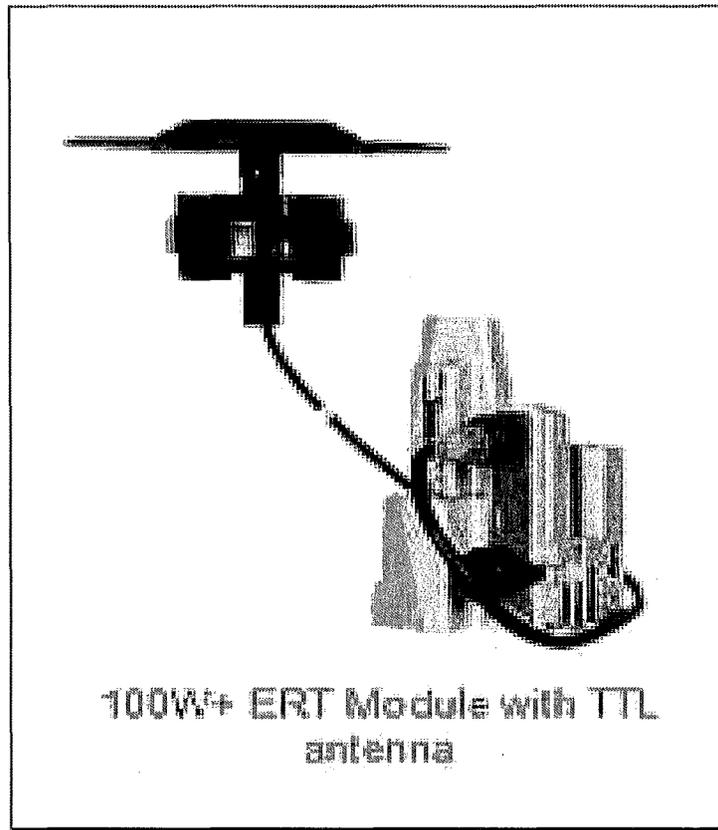
- A. Endpoints, see Photo 1:

Photo 1



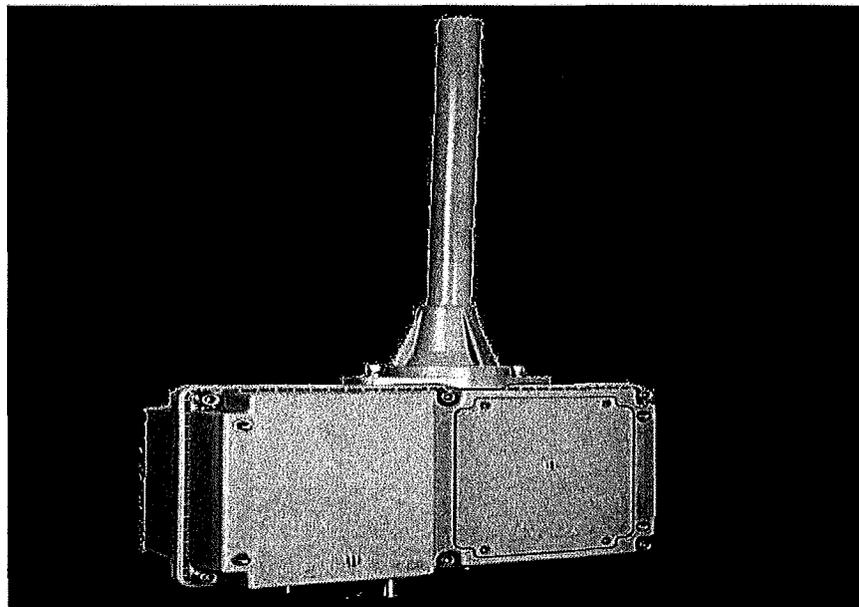
B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:

Photo 2



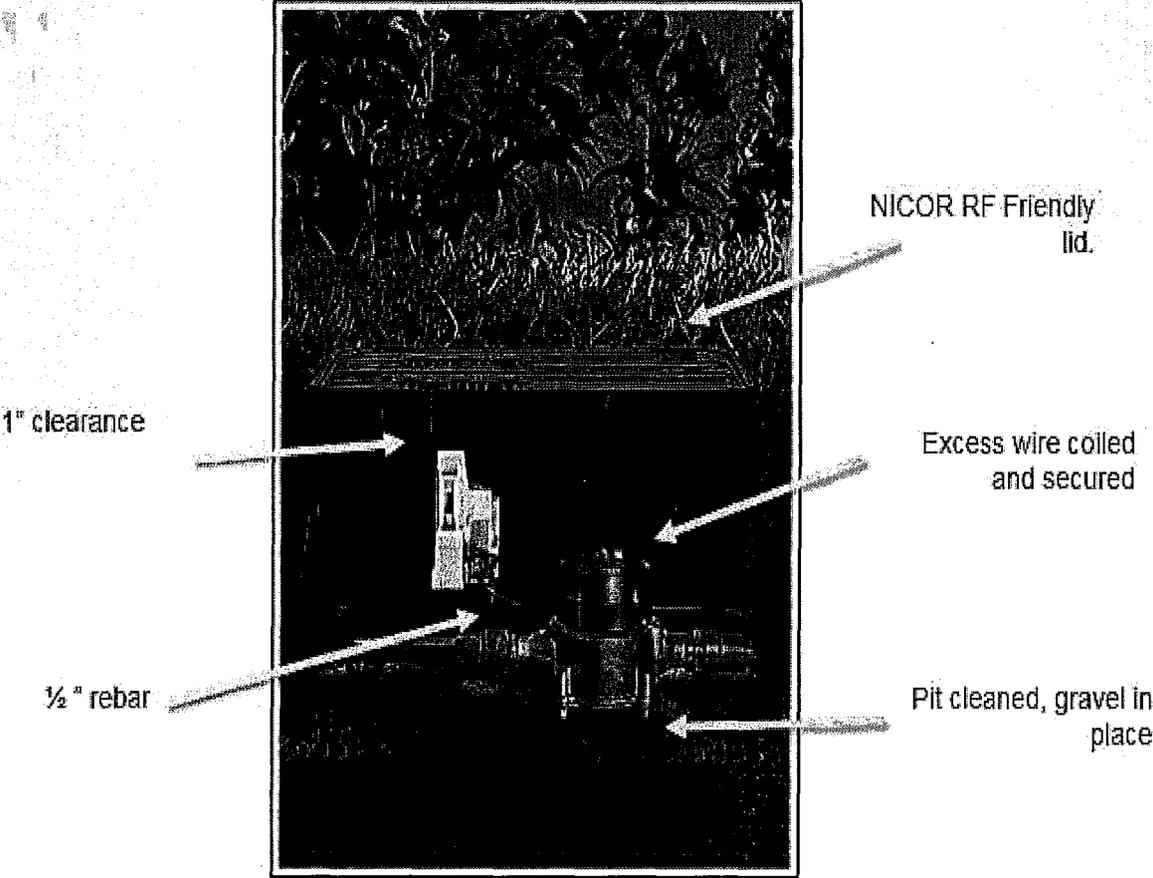
Network Devices, see Photo 3:

Photo 3



AMI endpoints transmit meter information to the AMI system and will soon be on the vast majority of meters in San Diego. These AMI devices provide interval consumption data to the PUD's Customer Support Division. If these devices are damaged or communication is interrupted, this Division will be alerted of the situation. The endpoints are installed in water meter boxes, coffins, and vaults adjacent to the meter. A separate flat round antenna may also be installed through the meter box lid. This antenna is connected to the endpoint via cable. The following proper installation shall be implemented when removing the lid to avoid damaging the antenna, cable, and/or endpoint. Photo 4 below demonstrates a diagram of the connection:

Photo 4



The AMI device ERT/Endpoint/Transmitter shall be positioned and installed as discussed in this Appendix. If the ERT/Endpoint/Transmitter is disturbed, it shall be re-installed and returned to its original installation with the end points pointed upwards as shown below in Photo 5.

The PUD's code compliance staff will issue citations and invoices to you for any damaged AMI devices that are not re-installed as discussed in the Contract Document

Photo 5 below shows a typical installation of an AMI endpoint on a water meter.

Photo 5

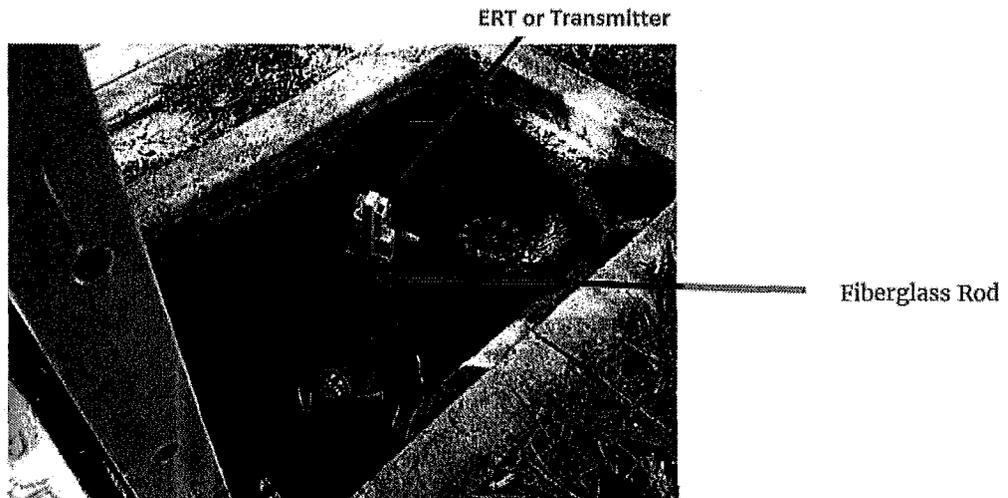
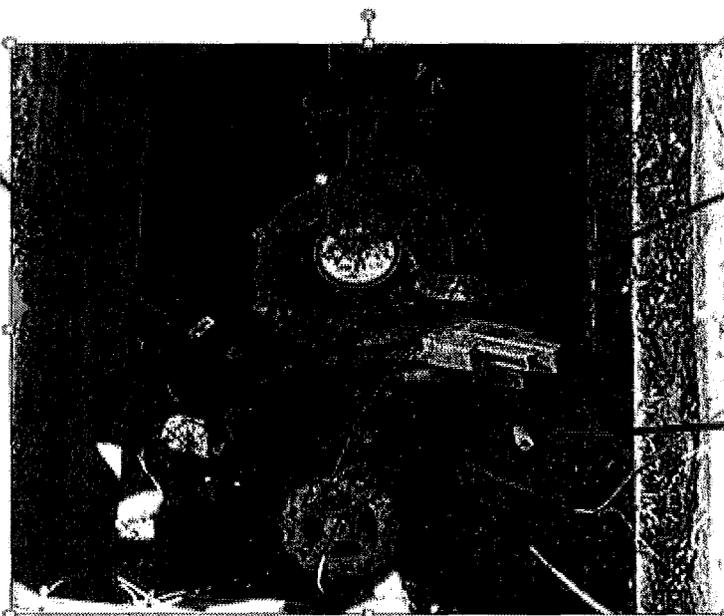


Photo 6 below is an example of disturbance that shall be avoided:

Photo 6

The antenna was drilled into the lid and now it is removed



You are responsible when working in and around meter boxes. If you encounter these endpoints, use proper care and do not disconnect them from the registers on top of the water meter. If the lid has an antenna drilled through, do not change or tamper with the lid and inform the Resident Engineer immediately about the location of that lid. Refer to Photo 7 below:

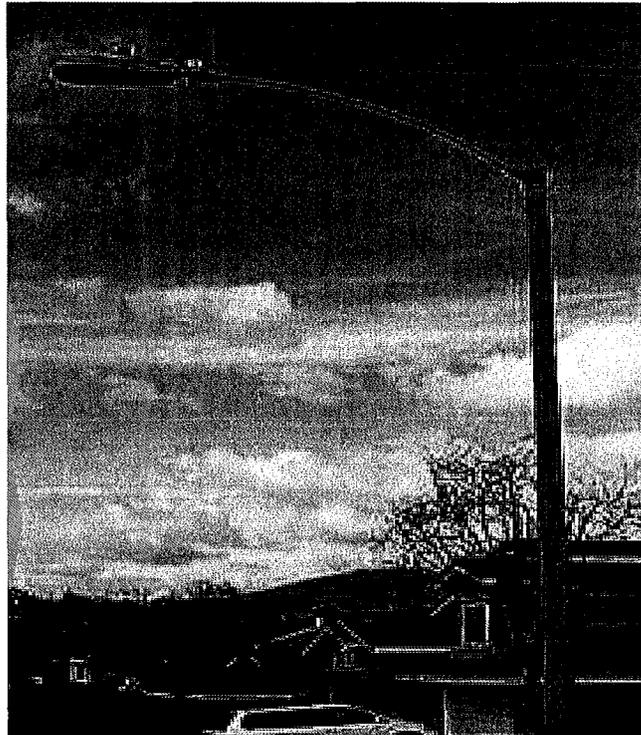
Photo 7



Another component of the AMI system are the Network Devices. The Network Devices are strategically placed units (mainly on street light poles) that collect interval meter reading data from multiple meters for transmission to the Department Control Computer. **If you come across any of these devices on street lights that will be removed or replaced (refer to Photos 8 and 9 below), notify AMI Project Manager Arwa Sayed at (619) 362-0121 immediately.**

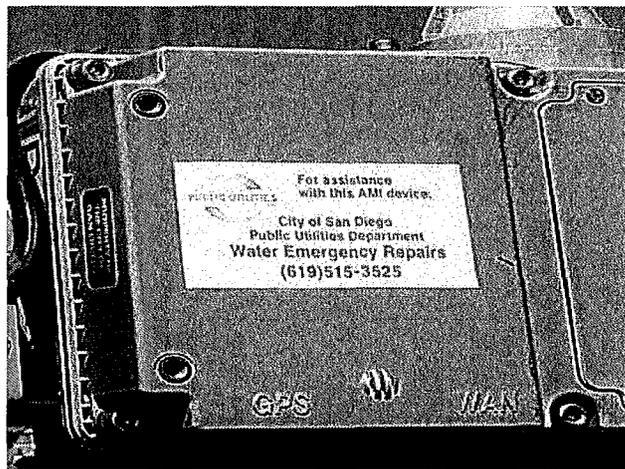
Photo 8 shows an installed network device on a street light. On the back of each Network Device is a sticker with contact information. See Photo 9. **Call PUD Water Emergency Repairs at 619-515-3525 if your work will impact these street lights.** These are assets that belong to the City of San Diego and you shall be responsible for any costs of disruption of this network.

Photo 8



Network Device

Photo 9



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

APPENDIX H
SAMPLE OF PUBLIC NOTICE

FOR SAMPLE REFERENCE ONLY



CONSTRUCTION NOTICE

PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
- Streets where trenching takes place will be resurfaced and curb ramps will be upgraded to facilitate access for persons with disabilities where required.
- This work is anticipated to be complete in your community by December 2016.

How your neighborhood may be impacted:

- Water service to some properties during construction will be provided by a two-inch highline pipe that will run along the curb. To report a highline leak call 619-515-3525.
- Temporary water service disruptions are planned. If planned disruptions impact your property, you will receive advance notice.
- Parking restrictions will exist because of the presence of construction equipment and materials.
- "No Parking" signs will be displayed 72 hours in advance of the work.
- Cars parked in violation of signs will be TOWED.

Hours and Days of Operation:

Monday through Friday X:XX AM to X:XX PM.

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



CONSTRUCTION NOTICE

PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
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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

APPENDIX I
EXHIBIT DRAWINGS

TABLE OF CONTENTS	
PAGE NO.	DESCRIPTION
3	CONTRACTOR'S NOTES
5	CONSTRUCTION STANDARDS
6	VICINITY MAP
8	KEY MAP
10	SITE MAPS
21	WORK BY CITY FORCES
23	SURVEY MONUMENTS
26	STREET RESURFACING
28	CURB RAMP LOCATIONS
30	CURB RAMP DETAILS
34	REFERENCE AS-BUILTS
	• WATER
	• SEWER
	• STORM DRAIN
	• AT&T
	• SDG&E
	• COX

CONTRACTOR'S NOTES

1. CONTRACTOR TO EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE, THE EXACT SIZE OF EACH SERVICE BEFORE TAPPING MAIN.
2. CITY FORCES, WHERE CALLED OUT SHALL MAKE PERMANENT CUTS & PLUGS, CONNECTIONS, ETC. EXISTING MAINS SHALL BE KEPT IN SERVICE IN LIEU OF HIGH-LINING, AS STATED IN APPENDIX P.
3. STORM DRAIN INLETS ARE TO REMAIN FUNCTIONAL/OPERATIONAL AT ALL TIMES DURING CONSTRUCTION.
4. CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A ONE FOOT VERTICAL SEPARATION (FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) BETWEEN SEWER AND WATER MAINS CANNOT BE MAINTAINED.
5. CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A 6-INCH VERTICAL SEPARATION (FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) BETWEEN UTILITIES OTHER THAN SEWER AND WATER MAINS CANNOT BE MAINTAINED.
6. CONTRACTOR TO MAINTAIN A MINIMUM 3' OF COVER OVER TOP OF WATER MAIN.
7. IF ADDITIVE ALTERNATE "A" IS AWARDED, CONTRACTOR SHALL FURNISH MATERIALS, INSTALL, MAINTAIN AND DISMANTLE HI-LINE PER SPECIFICATION SECTION 900-1.1.5.
8. CONTRACTOR SHALL RESTORE ALL TRENCHES ON THE PAVEMENT WORKED BY CITY FORCES AFTER FINAL CONNECTION.
9. CONTRACTOR SHALL PROVIDE A 1-FOOT SAND CUSHION OR A MINIMUM 6-INCH SAND CUSHION WITH 1-INCH NEOPRENE PAD FOR ALL CROSSINGS WHERE VERTICAL CLEARANCE BETWEEN CROSSINGS IS 1-FOOT OR LESS.
10. POTHOLE ALL UTILITIES THAT CROSS PROPOSED WATER MAIN BEFORE TRENCHING
11. EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT EXACT.
12. FOR CORRDIATION OF THE SHUTDOWN OF TRANSMISSION MAINS (16 INCHES OR LARGER), CONTACT THE CITY'S SENIOR WATER DISTRIBUTION OPERATIONS SUPERVISOR AT (616)-524-7438. FOR COORDINATION OF THE SHUTDOWN OF DISTRIBUTION MAINS (LESS THAN 16 INCHES), CONTACT THE CITY'S WATER OPERATIONS DISTRICT MANAGER AT (619)-527-3945.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LICENSED LAND SURVEYOR OR LICENSED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA SHALL FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR ANY EARTHWORK, DEMOLITION OR SURFACE IMPROVEMENTS. IF DESTROYED, A LICENSED LAND SURVEYOR SHALL REPLACE SUCH MONUMENT(S) 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 FILLED WITH THE COUNTY SURVEYOR. IF ANY 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 AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.

14. CONSTRUCTION STORM WATER PROTECTION NOTES

- a. TOTAL SITE DISTURBANCE AREA (ACRES) HYDROLOGIC UNIT/ WATERSHED HYDROLOGIC SUBAREA NAME & NO. MISSION BAY / 906.30
- b. 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

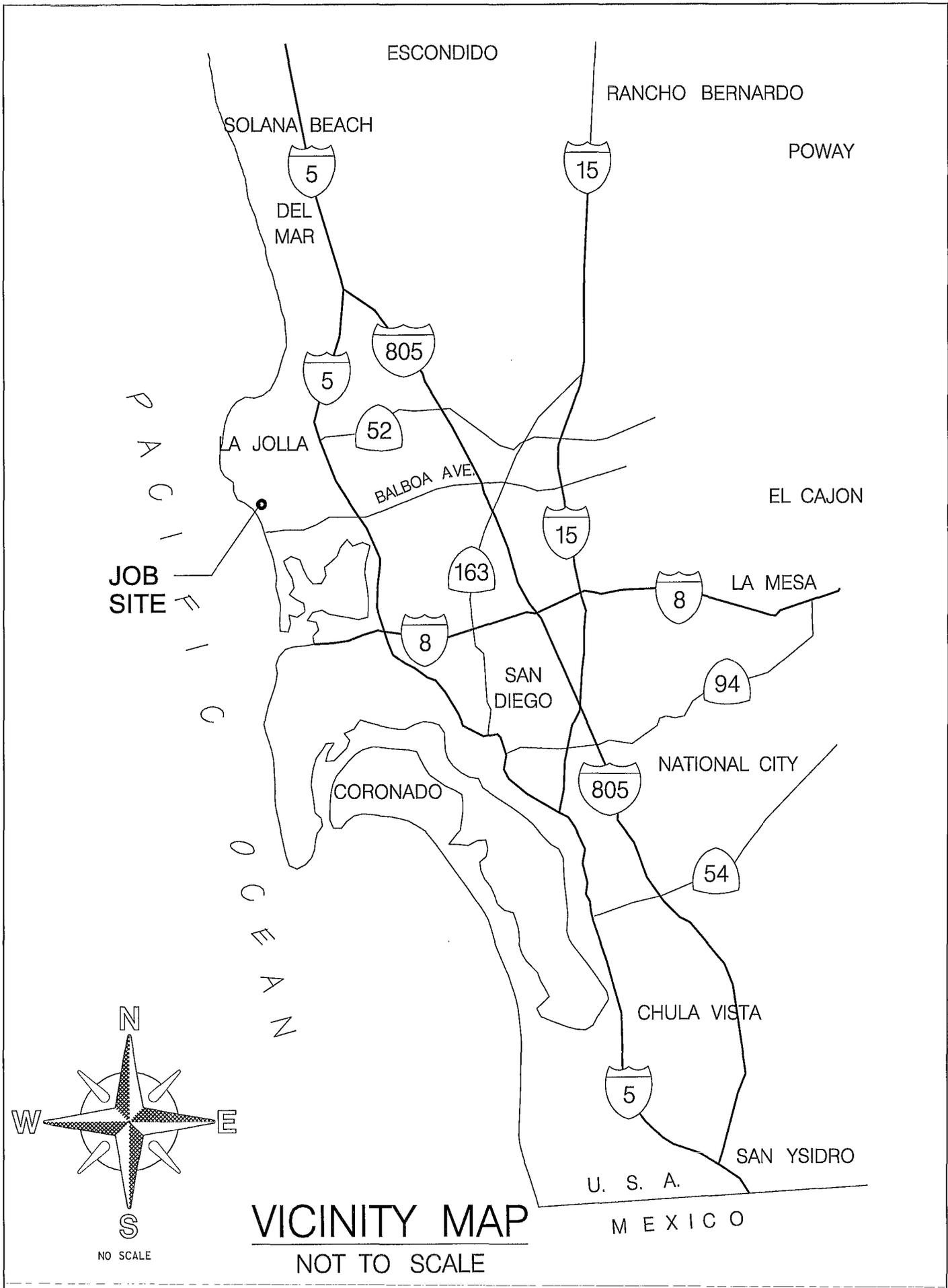
ASBS HIGH MEDIUM LOW

15. ALL ADVANCE METERING INFRASTRUCTURE (AMI) 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.

CONSTRUCTION STANDARDS

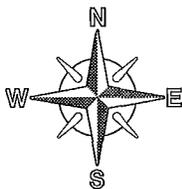
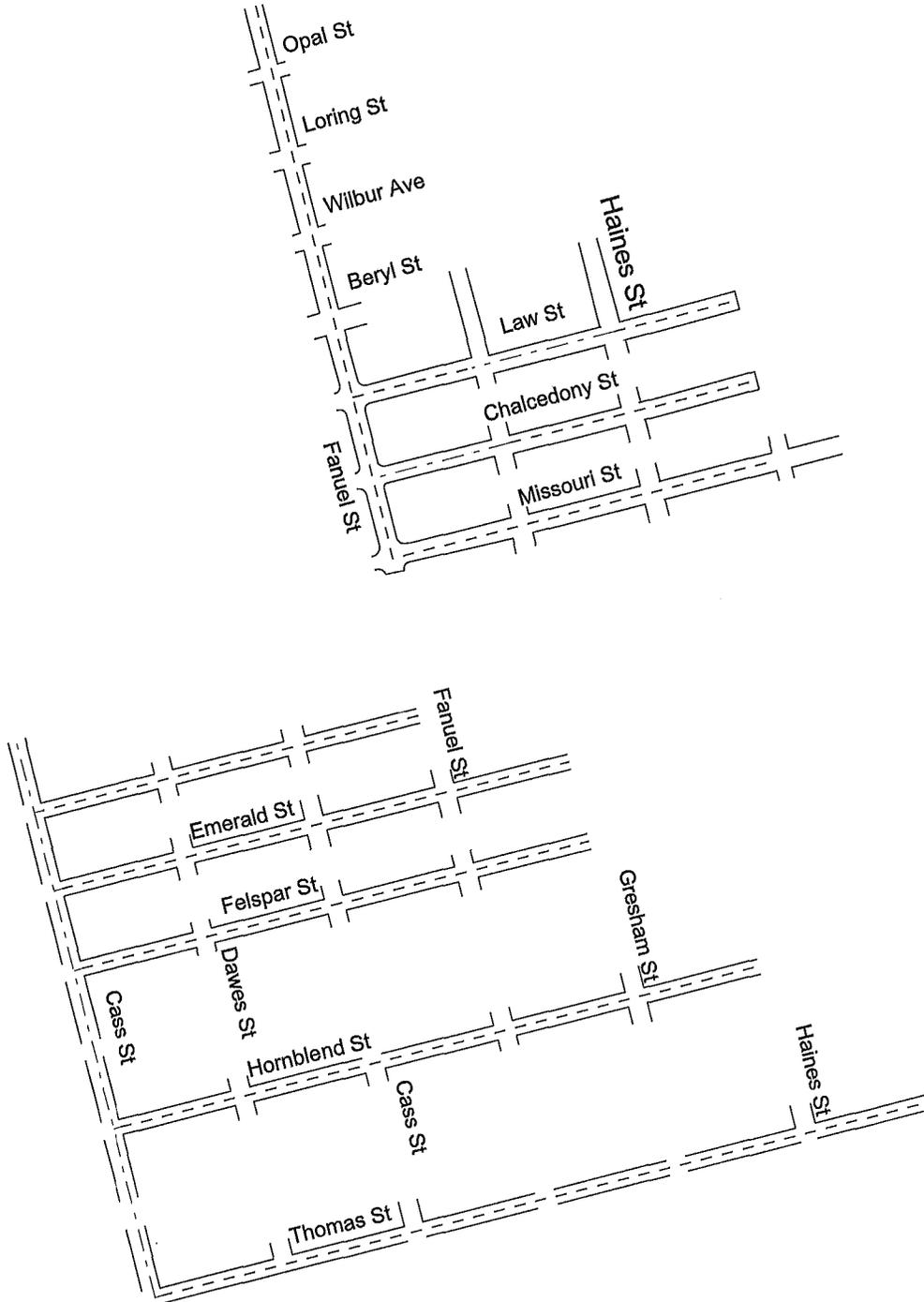
<u>STANDARD DRAWINGS</u>	<u>IMPROVEMENTS</u>
SDG-107, SDG-108, FOR TRENCH RESURFACING FOR ASPHALT CONCRETE SURFACED STREETS,	TRENCH RESURFACING
M-10	SURVEY MONUMENT
SDM-105, SDW-110, SDW-151	WATER MAIN & APPURTENANCES
SDW-109, SDW-152, SDW-153, WV-05	VALVES WITH CAPS AND WELLS
SDM-105, SDW-104, SDW-109, SDW-152, SDW-153	6" FIRE HYDRANT ASSEMBLY & MARKER, 2-PORT UNLESS SPECIFIED AS 3-PORT
SDM-105, SDW-107, SDW-134, SDW-135, SDW-136, SDW-137, SDW-138, SDW-149, SDW-150, WS-03	WATER SERVICE
SDM-105, SDW-109, SDW-118, SDW-152, SDW-153	FIRE SERVICE
WP-03	CUTTING AND PLUGGING ABANDONED WATER MAIN

VICINITY MAP



KEY MAP

WATER GROUP 1018A



NOT TO SCALE

LEGEND

PROPOSED WATER MAIN - - - - -

EXISTING WATER MAIN ———

SITE MAPS

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX VALVE
INSTALL 12" X 8" REDUCER, AHD

RECONNECT TO EX VALVE

OPEN EX VALVE
AFTER NEW MAIN (PHASE 1)
HAS BEEN ACCEPTED

2

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

3

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 6" AC WTR, 10'+, LT, RT

RECONNECT AFTER NEW MAIN
(PHASE 1) HAS BEEN ACCEPTED.

4

BY CONTRACTOR
FURNISH & INSTALL

1 - 12" X 8" CROSS (F)
1 - 12" GATE VALVE (F, MJ) AHD
2 - 8" GATE VALVES (F, MJ) LT, RT
2 - 8" X 6" REDUCERS (MJ) LT, RT

5

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

6

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 8" AC WTR, 10'+, LT, RT

RECONNECT AFTER NEW MAIN
(PHASE 1) HAS BEEN ACCEPTED.

7

BY CONTRACTOR
FURNISH & INSTALL

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

8

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 8" AC WTR, 10'+, LT, RT

RECONNECT AFTER NEW MAIN
(PHASE 1) HAS BEEN ACCEPTED.

9

BY CONTRACTOR
FURNISH AND INSTALL

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

10

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 12" AC WTR, 10'+, LT
EX 8" AC WTR, 10'+, RT

RECONNECT AFTER NEW MAIN
(PHASE 1) HAS BEEN ACCEPTED

11

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 12" CROSS (F)
3 - 12" GATE VALVES (F, MJ), AHD, LT, RT
1 - 12" X 8" REDUCER, (MJ) RT

12

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

13

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 12" AC WTR, 10'+, RT
EX 8" AC WTR, 10'+, LT

RECONNECT AFTER NEW MAIN
(PHASE 1) HAS BEEN ACCEPTED

RECONNECT EX 8" AC WTR, LT
AFTER NEW MAIN (PHASE 2)
HAS BEEN ACCEPTED

14

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 12" CROSS (F)
3 - 12" GATE VALVES (F, MJ) AHD, LT, RT
1 - 12" X 8" REDUCER (MJ) LT

15

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 8" AC WTR, 10'+, LT, RT

RECONNECT EX 12" AC WTR, AFTER
NEW MAIN (PHASE 1) HAS
BEEN ACCEPTED

16

BY CONTRACTOR
FURNISH AND INSTALL

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

17

BY CITY FORCES
AHD OF CONTRACTOR

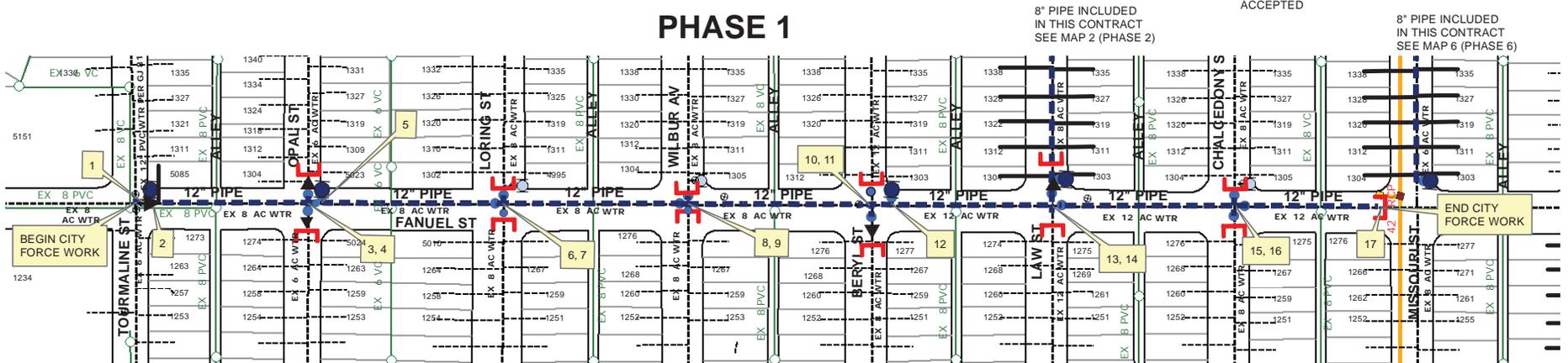
CUT AND PLUG:
EX 12" AC WTR

RECONNECT AFTER NEW
MAIN (PHASE 1) HAS BEEN
ACCEPTED

REFERENCE:
WATER: 3424-L, 2480-L, 18256-4-D,
37896-36-D, 1509-13-D, 15096-15-D
SEWER: 26046-22-D, 26046-9-D,
13213-L, 24309-9-10-D, 20560-2-7-D
STORM DRAIN: 15112-5-D
GAS:
ELECTRIC:
CABLE TV:
TELEPHONE:
IMPROVEMENTS:
100' SCALE/FIELD BOOK: B13S
THOMAS BROS.: 1247 4J, 1247 5J

RETIREMENTS:
12" - AC - 1068' - 1973
8" - AC - 1421' - 1973, 1980
FH (2-PORT) - 3
1" SERVICE - 1 - 1980

PHASE 1



8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 2 (PHASE 2)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 6 (PHASE 6)

Legend

- Proposed Water Mains
- Proposed Services
- Proposed Hydrants
- Proposed Gate Valves
- Ex Water Mains
- Ex. Services
- Ex. Gate Valves
- Ex. Sewer Mains
- Ex. Manholes
- Drop Manhole
- Inlet
- Reducers
- Water Note Callout
- Cut and Plug

CONTRACTOR'S NOTE:
CONTRACTOR TO POTHOLE 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 1018A FANUEL ST

TOURMALINE ST TO MISSOURI ST



N	WBS# B-16146	MAP NO. 1 of 10
	61 Page	

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX VALVE
REMOVE EX REDUCER, AHD
RECONNECT TO EX 8" PIPE

OPEN EX VALVE
AFTER NEW MAIN (PHASE 3)
HAS BEEN ACCEPTED

2

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

3

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

4

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX VALVES, BK, AHD
REMOVE EX REDUCERS, BK, AHD

RECONNECT TO EX 8" PIPE, BK, AHD
OPEN EX VALVE, BK, AHD
AFTER NEW MAIN (PHASE 3)
HAS BEEN ACCEPTED

5

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

6

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX VALVE
REMOVE EX REDUCER, BK

RECONNECT TO EX 8" PIPE
OPEN EX VALVE, BK
AFTER NEW MAIN (PHASE 3)
HAS BEEN ACCEPTED

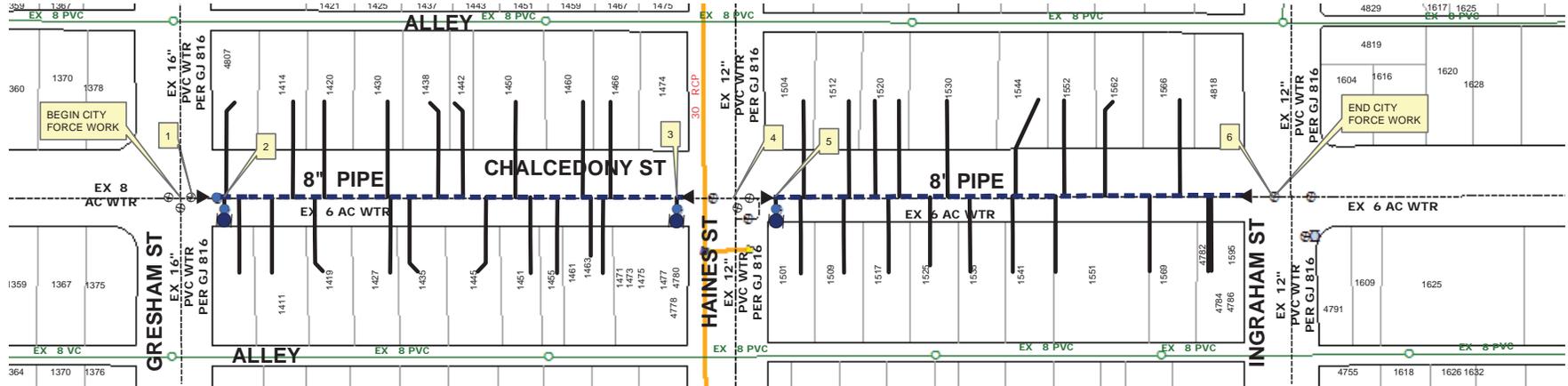
REFERENCE:

WATER: 7443-L, 15096-13-D, 16904-2-D
SEWER: NONE
STORM DRAIN: 15112-7-D
GAS:
ELECTRIC:
CABLE TV:
TELEPHONE:
IMPROVEMENTS:
100' SCALE/FIELD BOOK: B14S, C14S
THOMAS BROS.: 1247 5J

RETIREMENTS:

8" - AC - 34' - 1977
6" - AC - 936' - 1977
FH (2-PORT) - 3
1" SERVICE - 38 - 1977

PHASE 3



Legend

- — — — — Proposed Water Mains
- — — — — Ex. Services
- Inlet
- ┌ ┐ Cut and Plug
- — — — — Proposed Services
- ⊕ Ex. Gate Valves
- Connector
- Proposed Hydrants
- — — — — Ex. Sewer Mains
- ◀ Reducers
- Proposed Gate Valves
- Ex. Manholes
- 1 Water Note Callout
- — — — — Ex Water Mains
- — — — — Drain Pipe

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 1018A CHALCEDONY ST

GRESHAM ST TO INGRAHAM ST



WBS# B-16146	MAP NO. 3 of 10
------------------------	---------------------------

1

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 6" AC WTR, 20' ± AHD, LT
RECONNECT WITH
1 - 8" X 6" REDUCER (MJ, MJ, F)

AFTER NEW MAIN (PHASE 4)
HAS BEEN ACCEPTED

2

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

3

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX VALVE, BK, AHD
REMOVE EX REDUCERS, BK AHD
RECONNECT TO EX PIPE

OPEN EX VALVE, BK, AHD
AFTER NEW MAIN (PHASE 4)
HAS BEEN ACCEPTED

4

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

5

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX VALVES, BK, AHD
REMOVE EX REDUCERS, BK, AHD
RECONNECT TO EX VALVES, BK, AHD

OPEN EX VALVES, BK, AHD
AFTER NEW MAIN (PHASE 4)
HAS BEEN ACCEPTED

6

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

7

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" x 8" REDUCER (MJ, F)

8

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX VALVE
CONNECT TO EX REDUCER

OPEN EX VALVE, BK
AFTER NEW MAIN (PHASE 4)
HAS BEEN ACCEPTED

REFERENCE:

WATER: 15112-5-D, 15112-6-D, 2466-L, 7593-L
17707-5-D, 7594-L

SEWER: NONE
STORM DRAIN: 15112-5-D, 15112-6-D

GAS:
ELECTRIC:
CABLE TV:

TELEPHONE:
IMPROVEMENTS:
100' SCALE/FIELD BOOK: B14S, C14S

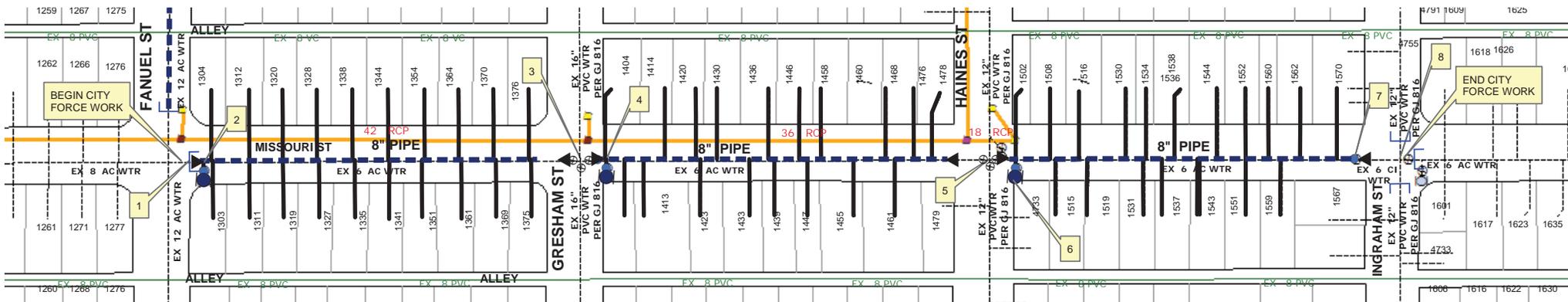
THOMAS BROS.: 1247 5J

RETIREMENTS:

6" -AC - 1526' - 1972
FH (2-PORT) - 2
1" SERVICE - 57 - 1972

PHASE 4

12" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 2 (PHASE 1)



Legend

- — — — — Proposed Water Mains
- - - - - Ex. Services
- Drop Manhole
- ┌ ┐ Cut and Plug
- — — — — Proposed Services
- ⊕ Ex. Gate Valves
- Inlet
- Proposed Hydrants
- — — — — Ex. Sewer Mains
- Cleanout
- Proposed Gate Valves
- Ex. Manholes
- ◀ Reducers
- - - - - Ex. Water Mains
- — — — — Drain Pipe
- 1 Water Note Callout

CONTRACTOR'S NOTE:
CONTRACTOR TO POTHOLE 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 1018A MISSOURI ST

FANUEL ST TO INGRAM ST



	WBS# B-16146	MAP NO. 4 of 10
--	------------------------	---------------------------

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 12" VALVE
REMOVE EX REDUCER
RECONNECT TO EX 12" VALVE

OPEN EX 12" VALVE
AFTER NEW MAIN (PHASE 5)
HAS BEEN ACCEPTED

2

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" GATE VALVE, (MJ, MJ, F)
1 - 12" X 8" REDUCER (MJ, MJ, F)

3

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

4

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 6" TEE (F, MJ, F)
1 - 6" FH ASSY AND MARKER
1 - 8" GATE VALVE (F, MJ) BK

5

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 12" VALVE,
RECONNECT TO EX REDUCER

OPEN EX 12" VALVE
AFTER NEW MAIN
(PHASE 5) HAS BEEN ACCEPTED

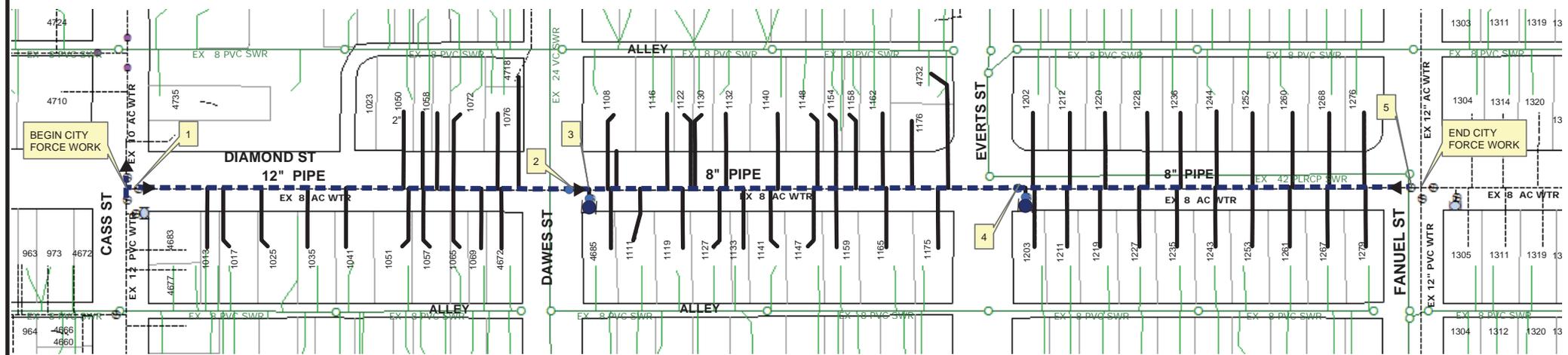
REFERENCE:

WATER: 35521-12-D, 35521-16-D, 17707-6-D, 7257-L
SEWER: 1265-D, 13369-10-D,
STORM DRAIN: NONE
GAS:
ELECTRIC:
CABLE TV:
TELEPHONE:
IMPROVEMENTS:
100' SCALE/FIELD BOOK: B14S
THOMAS BROS.: 1247 6H, 1247 5H, 1247 5J

RETIREMENTS:

8" - AC - 1166' - 1949
8" - AC - 541' - 1980
FH (2-PORT) - 2
1" SERVICE - 38 - 1949
1" SERVICE - 20 - 1980
2" SERVICE - 1 - 1949

PHASE 5



Legend

- — — — — Proposed Water Mains
- — — — — Ex. Services
- ◀ Reducers
- — — — — Proposed Services
- Ex. Butterfly Valves
- 1 Water Note Callout
- Proposed Hydrants
- ⊕ Ex. Gate Valves
- J Cut and Plug
- Proposed Gate Valves
- — — — — Ex. Sewer Mains
- Ex. Manholes
- — — — — Ex Water Mains
- Ex. Manholes

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 1018A DIAMOND ST

CASS ST TO FANUEL ST



	WBS# B-16146	MAP NO. 5 of 10
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1
BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 12" VALVE
REMOVE EX REDUCER
RECONNECT TO EX 12" VALVE

OPEN EX 12" VALVE
AFTER NEW MAIN
(PHASE 6) HAS BEEN ACCEPTED

3
BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

5
BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 12" VALVES, BK, AHD
RECONNECT TO EX REDUCERS, BK, AHD

OPEN EX 12" VALVES, BK, AHD,
AFTER NEW MAIN (PHASE 6) HAS BEEN ACCEPTED

7
BY CONTRACTOR

REMOVE EX 8" VALVE

REFERENCE:

WATER: 35521-12-D, 22307-2-D, 7946-L, 7256-L, 8326-L,
SEWER: 1265-D
STORM DRAIN: 11739-4-D
GAS:
ELECTRIC:
CABLE TV:
TELEPHONE:
IMPROVEMENTS:
100' SCALE/FIELD BOOK: B14S
THOMAS BROS.: 1247 6H, 1247 6J, 1247 5J

2
BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" VALVE, (MJ, F)
1 - 12" X 8" REDUCER (F, MJ)

4
BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

6
BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

8
BY CITY FORCES
AHD OF CONTRACTOR

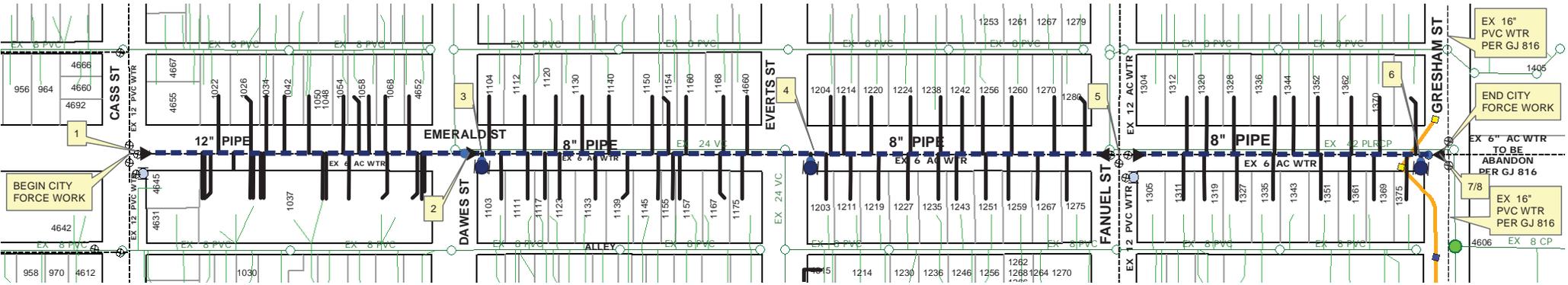
CLOSE EX 8" VALVE
REMOVE EX REDUCER, BK
RECONNECT TO EX VALVE

OPEN EX 8" VALVE
AFTER NEW MAIN (PHASE 6)
HAS BEEN ACCEPTED

RETIREMENTS:

6" - AC - 2184' - 1949
FH (2-PORT) - 3
1" SERVICE - 83 - 1949

PHASE 6



Legend

- Proposed Water Mains
- Ex. Services
- Proposed Services
- ⊕ Ex. Gate Valves
- Proposed Hydrants
- Ex. Sewer Mains
- Proposed Gate Valves
- Drop Sewer Manholes
- Ex Water Mains
- Ex. Manholes
- Drain Pipe
- Inlet
- Connector
- ▲ Reducers
- 1 Water Note Callout
- ⌋ Cut and Plug

CONTRACTOR'S NOTE:
CONTRACTOR TO POTHOLE 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 1018A EMERALD ST

CASS ST TO GRESHAM ST

	WBS# B-16146	MAP NO. 6 of 10

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 12" VALVE
REMOVE EX REDUCER
RECONNECT TO EX VALVE

OPEN EX 12" VALVE
AFTER NEW MAIN (PHASE 7)
HAS BEEN ACCEPTED

2

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

3

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

4

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

5

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 12" VALVES, BK, AHD
REMOVE EX REDUCERS, BK, AHD
RECONNECT TO EX 12" VALVES, BK, AHD

OPEN EX 12" VALVES, BK, AHD
AFTER NEW MAIN (PHASE 7)
HAS BEEN ACCEPTED

6

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 16" BUTTERFLY VALVE
REMOVE EX REDUCER, BK
RECONNECT TO EX 16" BUTTERFLY VALVE

OPEN EX 16" BUTTERFLY VALVE
AFTER NEW MAIN (PHASE 7)
HAS BEEN ACCEPTED

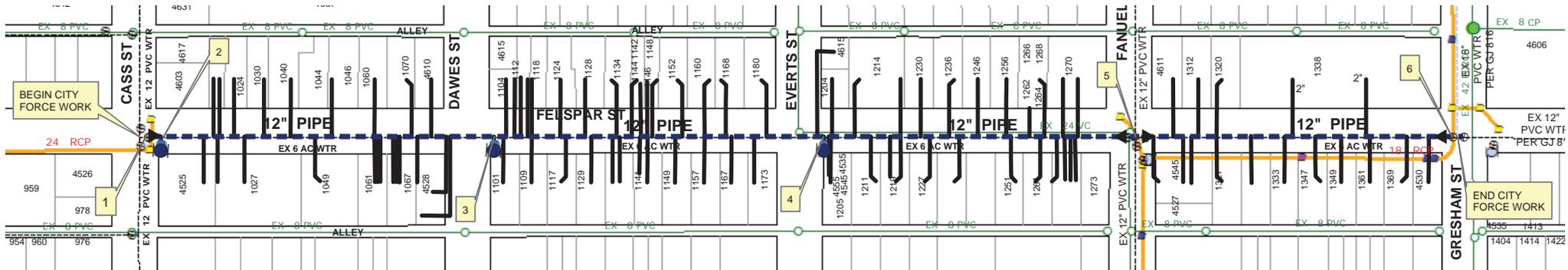
REFERENCE:

WATER: 35521-12-D, 8321-L, 9258-L, 22307-3-D
35521-16-D, 8322-L, 8323-L, 11739-3-D
SEWER: 2983-4-L, 1264-D
STORM DRAIN: 11739-3-D, 2983-4-L
GAS:
ELECTRIC:
CABLE TV:
TELEPHONE:
IMPROVEMENTS:
100' SCALE/FIELD BOOK: B14S
THOMAS BROS.: 1247 6J

RETIREMENTS:

6" - AC - 2686' - 1951, 1965
FH (2-PORT) - 3
1" SERVICE - 89 - 1951, 1965
2" SERVICE - 2 - 1956

PHASE 7



Legend

- — — — — Proposed Water Mains
- — — — — Ex. Services
- — — — — Drain Pipe
- 1 Water Note Callout
- — — — — Proposed Services
- ⊕ Ex. Gate Valves
- Inlet
- J Cut and Plug
- Proposed Hydrants
- — — — — Ex. Sewer Mains
- Drop Sewer Manholes
- Connector
- Proposed Gate Valves
- Ex. Manholes
- Cleanout
- — — — — Ex Water Mains
- ◀ Reducers

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 1018A FELSPAR ST

CASS ST TO GRESHAM ST

The City of
SAN DIEGO Public Works



WBS#
B-16146

MAP NO.
7 of 10

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 12" VALVE
REMOVE EX REDUCER
RECONNECT TO EX VALVE

OPEN EX VALVE
AFTER NEW MAIN (PHASE 8)
HAS BEEN ACCEPTED

2

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

3

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 8" TEE (MJ, MJ, F)
1 - 8" FS CONNECTION

4

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

5

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 12" VALVES, BK, AHD
REMOVE EX REDUCER, BK, AHD
RECONNECT TO EX VALVES, BK, AHD

OPEN EX 12" VALVE, BK, AHD
AFTER NEW MAIN
(PHASE 8) HAS BEEN ACCEPTED

6

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

7

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 12" VALVE, BK
REMOVE EX REDUCER, BK
RECONNECT TO EX VALVE

OPEN EX 12" VALVE
AFTER NEW MAIN
(PHASE 8) HAS BEEN ACCEPTED

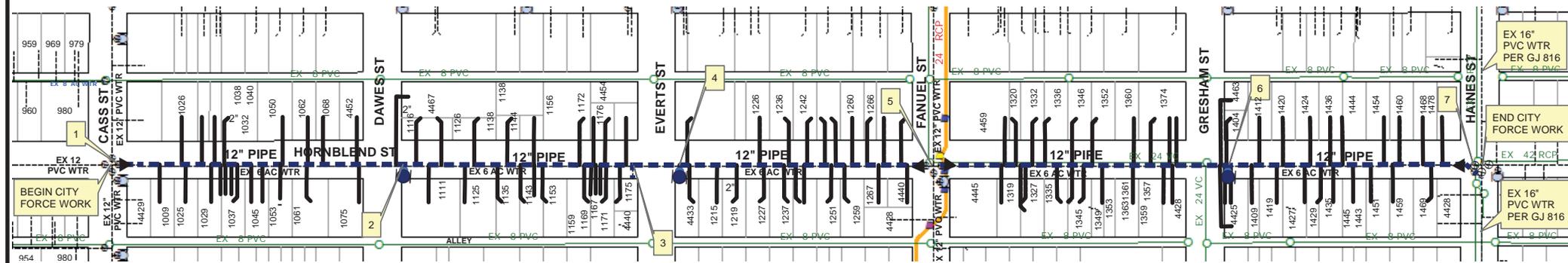
REFERENCE:

WATER: 35521-12, 13, 17-D, 7539-L, 7538-L,
7540-L,
SEWER: 1264-D
STORM DRAIN: 11739-2-D
GAS:
ELECTRIC:
CABLE TV:
TELEPHONE:
IMPROVEMENTS:
100' SCALE/FIELD BOOK: B14S, B15S C14S
THOMAS BROS.: 1247 6H, 1247 6J

RETIREMENTS:

6" - AC - 2738' - 1950, 1951
FH (2-PORT) - 3
1" SERVICE - 103 - 1950, 1951
2" SERVICE - 3 - 1950, 1925
8" FS - 1 - 1950

PHASE 8



Legend

- — — — — Proposed Water Mains
- — — — — Ex. Services
- Inlet
-] [Cut and Plug
- — — — — Proposed Services
- ⊕ Ex. Gate Valves
- Connector
- Proposed Hydrants
- — — — — Ex. Sewer Mains
- Cleanout
- Proposed Gate Valves
- Ex. Manholes
- ◀ Reducers
- - - - - Ex Water Mains
- — — — — Drain Pipe
- 1 Water Note Callout

CONTRACTOR'S NOTE:
CONTRACTOR TO POTHOLE 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 1018A HORNBLEND ST

CASS ST TO HAINES ST



	WBS# B-16146	MAP NO. 8 of 10
--	------------------------	---------------------------

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX VALVE
REMOVE EX REDUCER, AHD
RECONNECT TO EX VALVE

OPEN EX VALVE
AFTER NEW MAIN (PHASE 9) HAS BEEN
ACCEPTED

2

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FS CONNECTION

3

BY CONTRACTOR

REMOVE EX 6" VALVE

4

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (F, MJ, F)
1 - 6" FH ASSY AND MARKER
1 - 12" GATE VALVE, (F, MJ), BK

5

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 12" VALVES, BK, AHD
REMOVE EX REDUCERS, BK, AHD
RECONNECT TO EX VALVES, BK, AHD

OPEN EX 12" VALVE BK, AHD
AFTER NEW MAIN (PHASE 9)
HAS BEEN ACCEPTED

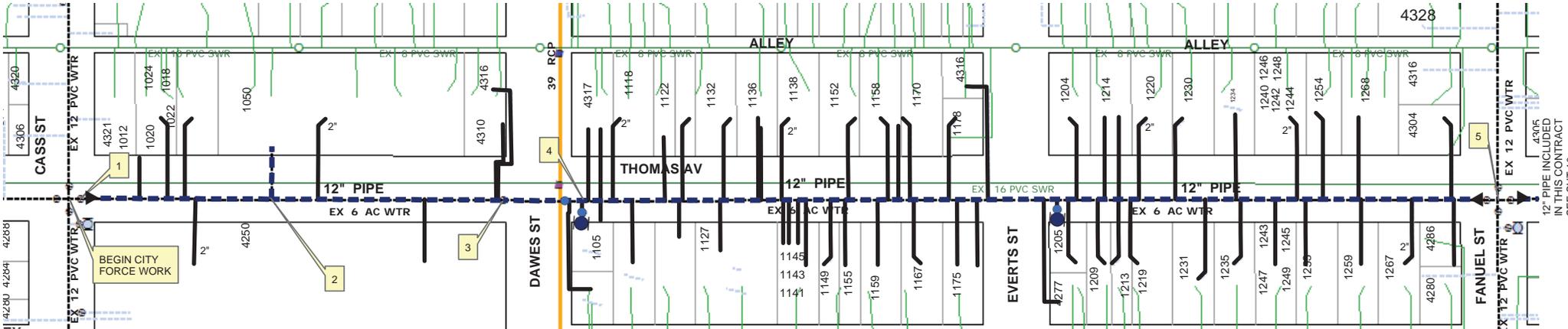
REFERENCE:

WATER: 35521-12, 14, 65-D, 6801-W, 12400-L, 8226-L
SEWER: 26347-12, 13-D
STORM DRAIN: 11305-1-D
GAS:
ELECTRIC:
CABLE TV:
TELEPHONE:
IMPROVEMENTS:
100' SCALE/FIELD BOOK: B14S
THOMAS BROS.: 1247 6J

RETIREMENTS:

6" -AC - 1673' - 1951
FH (2-PORT) - 2
1" SERVICE - 53 - 1951
2" SERVICE - 7 - 1951

PHASE 9



Legend

- Proposed Water Mains
- Ex. Services
- Connector
- Proposed Services
- ⊕ Ex. Gate Valves
- Cleanout
- Proposed Hydrants
- Ex. Sewer Mains
- ▲ Reducers
- Proposed Gate Valves
- Ex. Manholes
- 1 Water Note Callout
- Ex Water Mains
- Drain Pipe

CONTRACTOR'S NOTE:
CONTRACTOR TO POTHOLE 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 1018A THOMAS AV

CASS ST TO FANUEL ST



WBS#
B-16146

MAP NO.
9 of 10

1

BY CONTRACTOR
FURNISH AND INSTALL
1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FS CONNECTION

3

BY CITY FORCES
AHD OF CONTRACTOR
CLOSE EX 12" VALVES, BK, AHD
REMOVE EX REDUCERS, BK, AHD
RECONNECT TO EX VALVES, BK, AHD

5

BY CONTRACTOR
REMOVE EX 6" GATE VALVE
REMOVE EX REDUCERS

REFERENCE:

WATER: 35521-12, 14, 65-D, 6801-W, 12400-L, 8226-L
SEWER: 26347-12, 13-D
STORM DRAIN: 8151-L
GAS:
ELECTRIC:
CABLE TV:
TELEPHONE:
IMPROVEMENTS:
100' SCALE/FIELD BOOK: B14S, C14S
THOMAS BROS.: 1247 6J, 1248 6A

2

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

4

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER

6

BY CITY FORCES
AHD OF CONTRACTOR

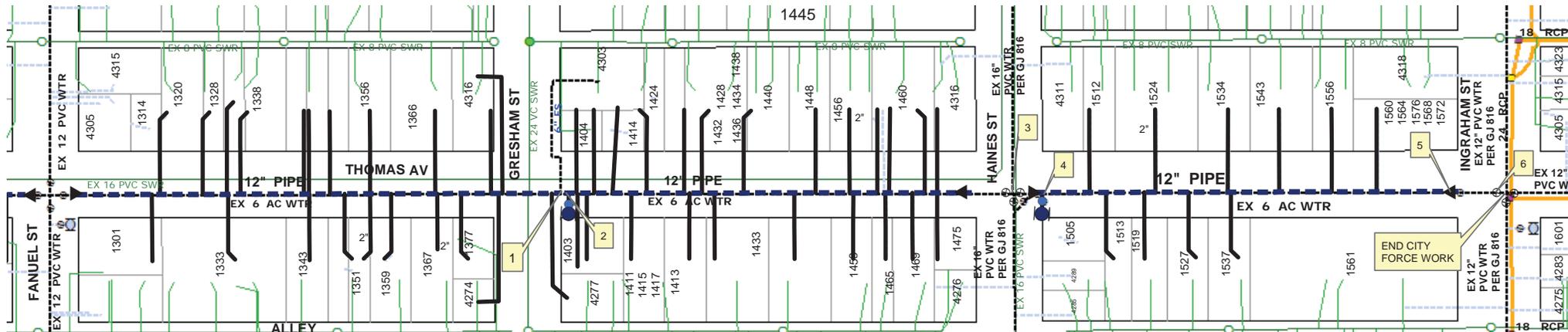
CLOSE EX 12" VALVE
RECONNECT TO EX VALVE

OPEN EX 12" VALVE
AFTER NEW MAIN
(PHASE 9) HAS BEEN ACCEPTED

RETIREMENTS:

6" - AC - 1611' - 1952
FH (2-PORT) - 2
1" SERVICE - 50 - 1952
2" SERVICE - 4 - 1952

PHASE 9



Legend

- Proposed Water Mains
- Ex. Services
- Drain Pipe
-] Cut and Plug
- Proposed Services
- \oplus Ex. Gate Valves
- Inlet
- Proposed Hydrants
- Ex. Sewer Mains
- Cleanout
- Proposed Gate Valves
- Drop Sewer Manholes
- ▲ Reducers
- Ex Water Mains
- Ex. Manholes
- 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 1018A THOMAS AV

FANUEL ST TO INGRAHAM



	WBS# B-16146	MAP NO. 10 of 10
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WORK BY CITY FORCES

CONTRACTOR FURNISHED MATERIALS
FOR CITY FORCE WORK

SHT			
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AC WATER GROUP 1018A

WORK BY CITY FORCES

LEGEND

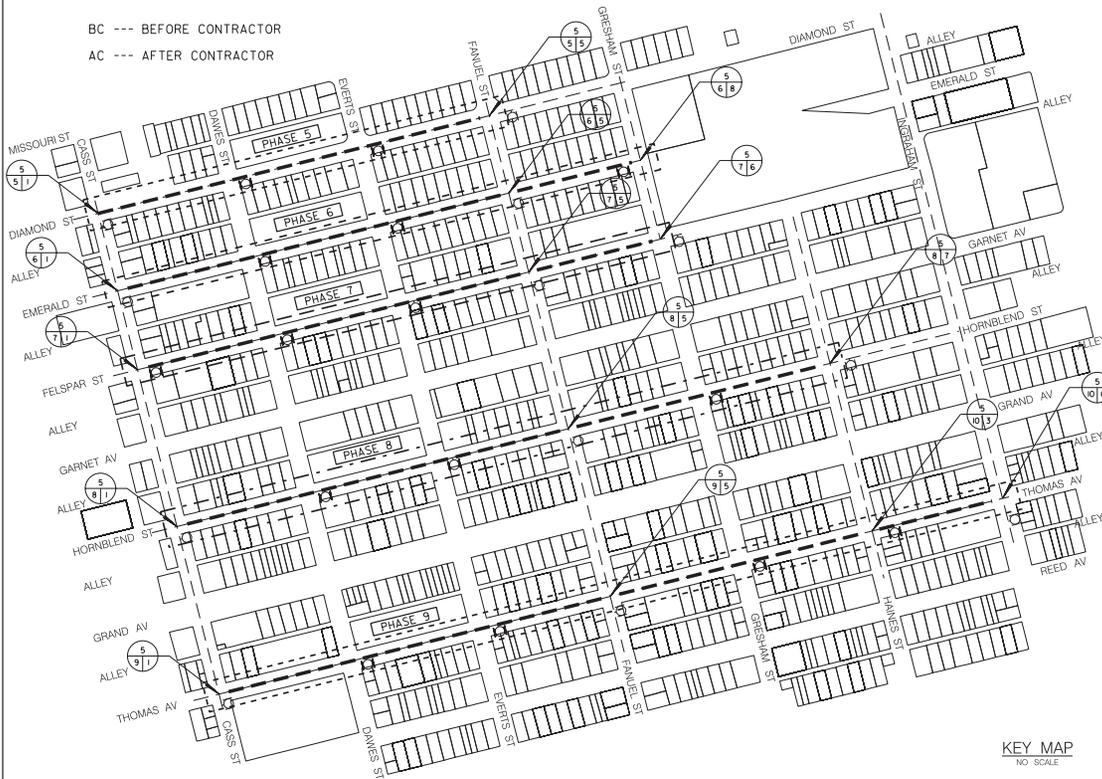
- EXISTING WATER MAIN
- - - - - PRESSURE ZONE BOUNDARY
- PROPOSED WATER MAIN
- FIRE HYDRANT TO REMAIN IN SERVICE DURING CONSTRUCTION
- ▣ FIRE HYDRANT TO BE REPLACED
- PROPOSED FIRE HYDRANT

- ③ CITY FORCES NOTE NUMBER (THIS SHEET)
- ②416 CITY FORCES NOTE NUMBER (PLAN & PROFILE SHT.)
- PLAN & PROFILE "D" SHEET NUMBER

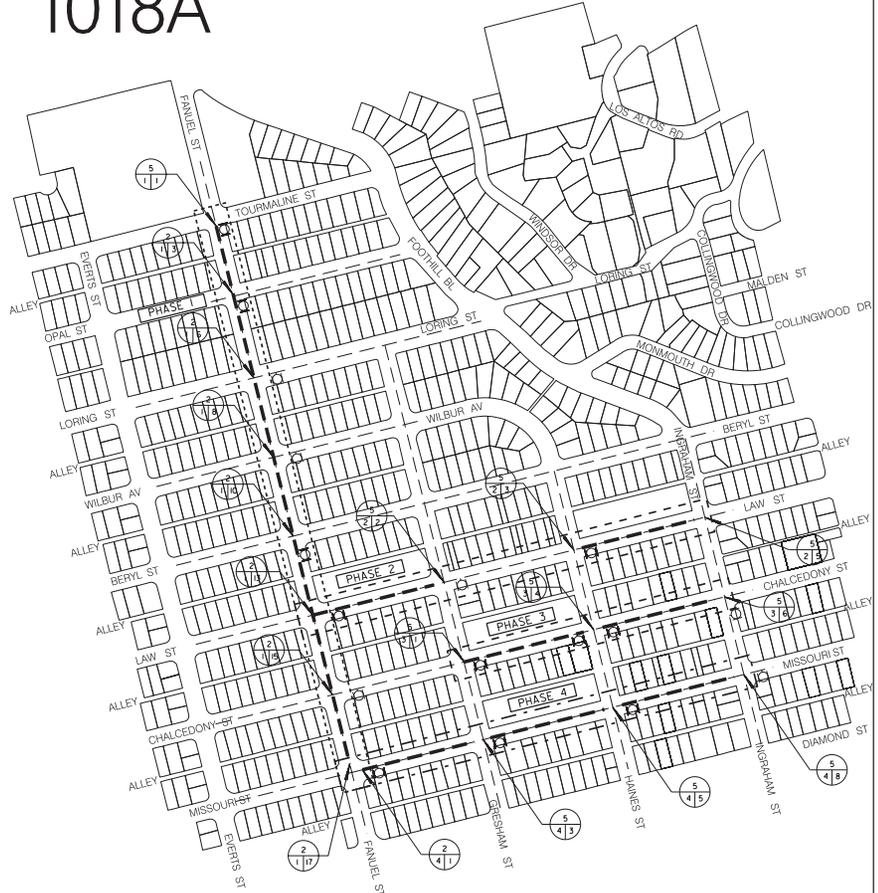
BC --- BEFORE CONTRACTOR
AC --- AFTER CONTRACTOR

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



KEY MAP
NO SCALE



AREAS TO BE HIGHLIGHTED IN PHASES

- | | | | |
|-----|---------|-----|---------|
| --- | PHASE 1 | --- | PHASE 5 |
| --- | PHASE 2 | --- | PHASE 6 |
| --- | PHASE 3 | --- | PHASE 7 |
| --- | PHASE 4 | --- | PHASE 8 |
| | | --- | PHASE 9 |

PLANS FOR THE CONSTRUCTION OF
AC WATER GROUP 1018A

The City of **SAN DIEGO** Public Works

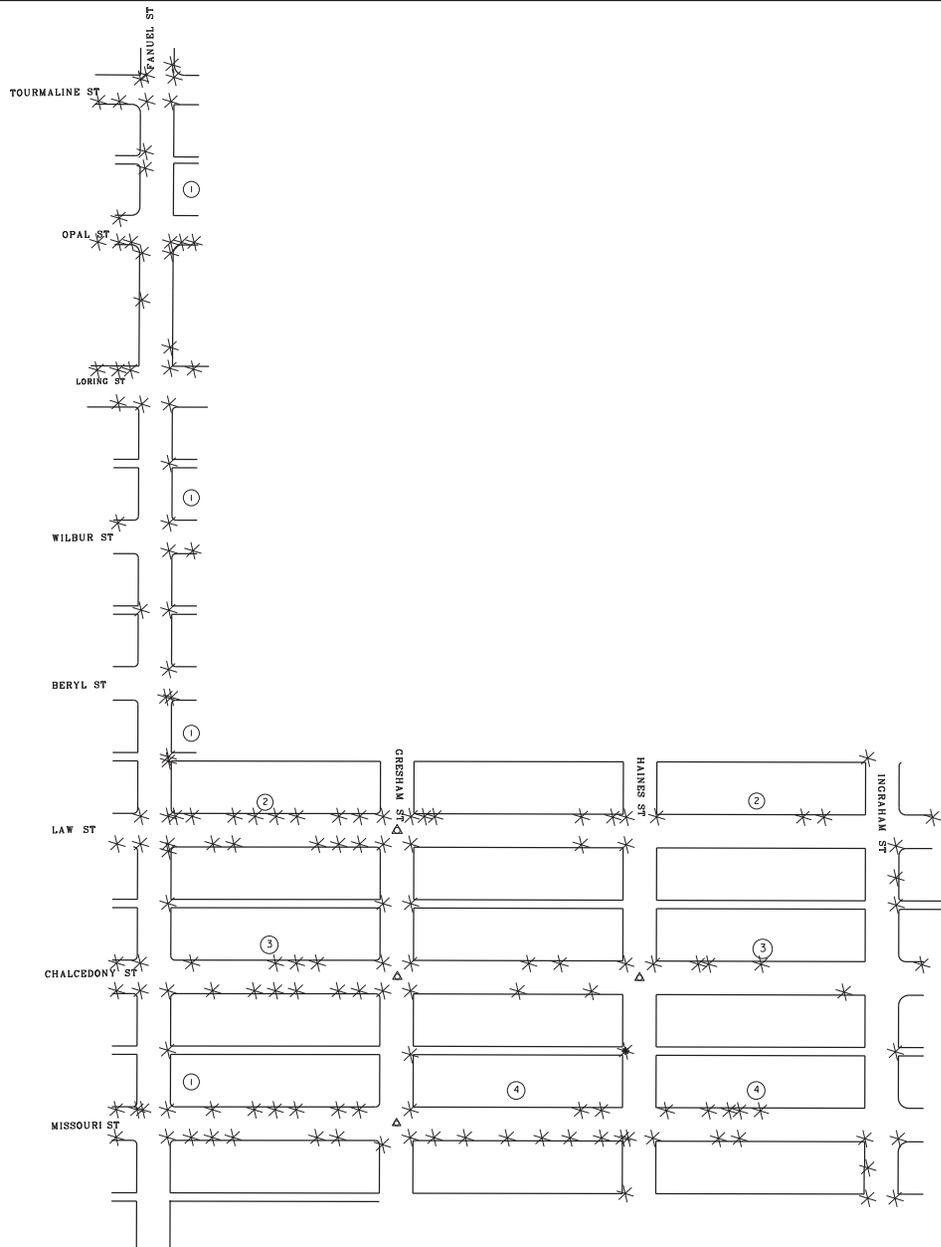


WBS#
B-16146

MAP NO.
1 OF 1

WORK BY CITY FORCES

SURVEY MONUMENTS



LEGEND	
*	LOCATION OF EXISTING SURVEY MONUMENT
○	MAP NUMBER

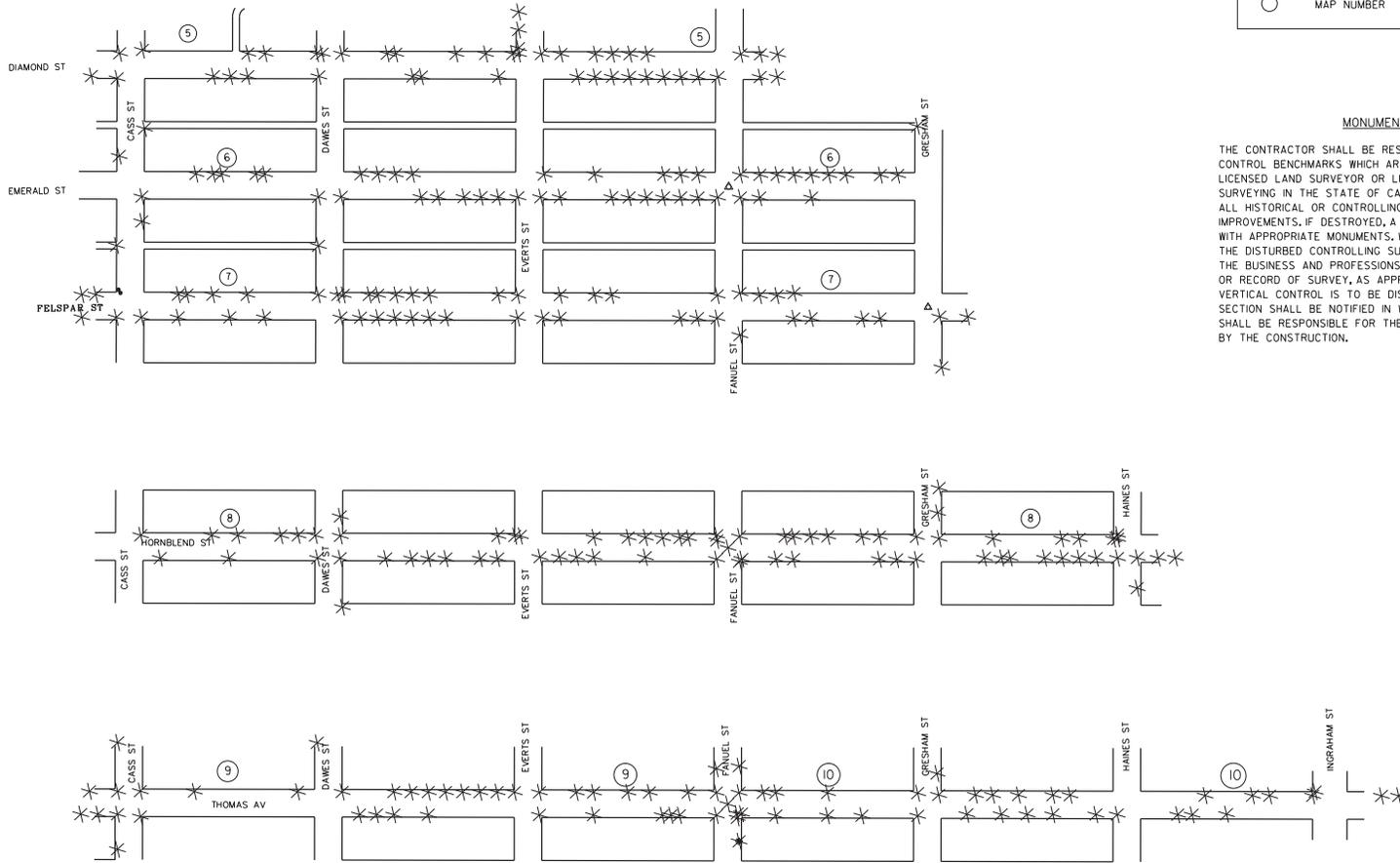
MONUMENTATION / SURVEY NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LICENSED LAND SURVEYOR OR LICENSED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA SHALL FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR ANY EARTHWORK, DEMOLITION OR SURFACE IMPROVEMENTS. IF DESTROYED, A LICENSED LAND SURVEYOR SHALL REPLACE SUCH MONUMENT(S) 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 FILLED WITH THE COUNTY SURVEYOR. IF ANY 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 AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.

MONUMENT PERPETUATION

MAPS FOR THE CONSTRUCTION OF AC WATER GROUP 1018A MONUMENT PERPETUATION		
		WBS# B-16146
Public Works		SEE MAP

LEGEND	
*	LOCATION OF EXISTING SURVEY MONUMENT
○	MAP NUMBER



MONUMENTATION / SURVEY NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LICENSED LAND SURVEYOR OR LICENSED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA SHALL FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR ANY EARTHWORK, DEMOLITION OR SURFACE IMPROVEMENTS. IF DESTROYED, A LICENSED LAND SURVEYOR SHALL REPLACE SUCH MONUMENT(S) 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 FILLED WITH THE COUNTY SURVEYOR. IF ANY 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 AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.

MONUMENT PERPETUATION

APSM FOR THE CONSTRUCTION OF
AC WATER GROUP 1018A
MONUMENT PERPETUATION

		WBS# B-16146	SEE MAP
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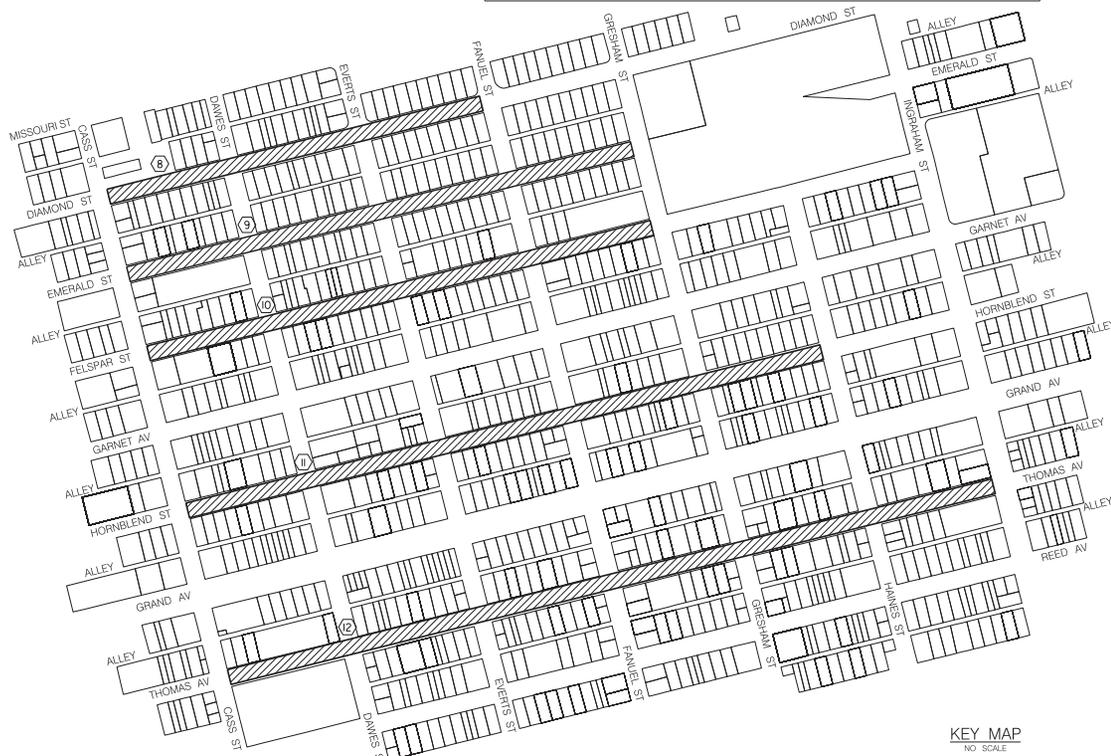
STREET RESURFACING

AC WATER GROUP 1018A

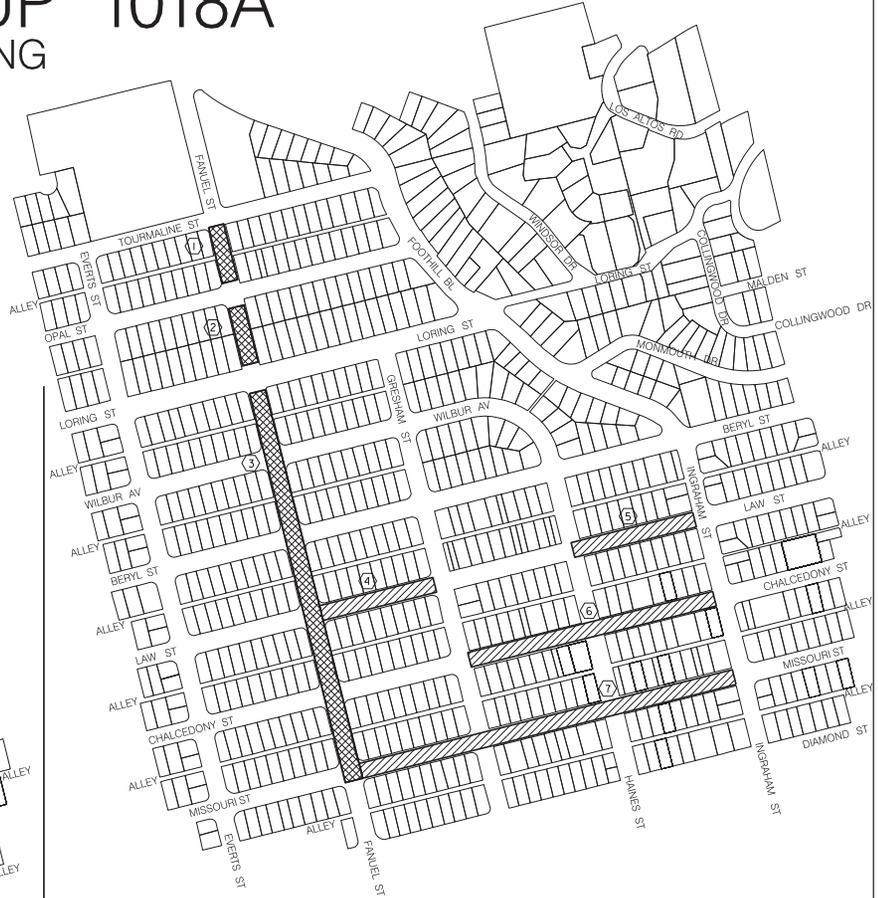
STREET RESURFACING

LEGEND	
	APPROXIMATE LOCATION OF SLURRY SEAL (TYPE I OVER TYPE III)
	APPROXIMATE LIMITS OF RESURFACE AC OVERLAY
	LOCATION PER PAVING SCHEDULE NOTES (THIS SHEET)
	COLD MILLING ASPHALT CONCRETE PAVEMENT; SDG-106

PAVING SCHEDULE NOTES							
NO.	LOCATION	RESTORATION REQUIRED	STATION	STATION	WIDTH	APPROX. AREA	DATE INSTALLED
①	FANUEL ST.	OVERLAY			40	10,560	
②	FANUEL ST.	OVERLAY			40	12,014	
③	FANUEL ST.	OVERLAY			40	70,508	
④	LAW ST.	SLURRY			40	20,000	
⑤	LAW ST.	SLURRY			40	20,000	
⑥	CHALCEDONY ST.	SLURRY			40	43,338	
⑦	MISSOURI ST.	SLURRY			40	66,320	
⑧	DIAMOND ST.	SLURRY			40	66,326	
⑨	EMERALD ST.	SLURRY			45	100,705	
⑩	FELSPAR ST.	SLURRY			45	100,705	
⑪	HORNBLEND ST.	SLURRY			45	126,839	
⑫	THOMAS AV.	SLURRY			40	135,934	
TOTAL AREA OF SLURRY						679,967 SF	
TOTAL AREA OF RESURFACE AC						93,082 SF	



KEY MAP
NO SCALE



STREET RESURFACING

PLANS FOR THE CONSTRUCTION OF
AC WATER GROUP 1018A



WBS#
B-16146

MAP NO.
1 OF 1

CURB RAMP LOCATIONS

AC WATER GROUP 1018A

CURB RAMP LOCATIONS

CURB RAMP NOTES TABLE						
LOCATION (10)	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	TRUNCATED DOME MATERIAL	COMMENTS / MODIFICATIONS
				STAINLESS STEEL	OTHER	
1	C2	X		X	X	-TRIM THE LANDSCAPING WITHIN THE ENTIRE S/E CURB RETURN AND ENSURE THE HEIGHT IS 24" OR LOWER AS MEASURED FROM THE SIDEWALK SURFACE.
2	A		X	X	X	
3	A		X	X	X	
4	A		X	X	X	
5	A		X	X	X	
6	C2	X	X	X	X	-PROTECT THE ADJACENT WALL AT THE N/E AND S/E CORNERS DURING DEMOLITION AND CONSTRUCTION.
7	C2	X	X	X	X	-REMOVE OR TRIM THE LANDSCAPING WITHIN AND NEAR THE CURB RETURN AT N/W CORNER AND ENSURE THE HEIGHT IS 24" OR LOWER AS MEASURED FROM THE SIDEWALK SURFACE.
8	C2	X	X	X	X	
9	C2	X	X	X	X	
10	A		X	X	X	-THERE IS AN EXISTING PRIVATE WALKWAY THAT CONNECTS TO THE N/E CORNER.
11	A		X	X	X	-MAINTAIN A LEVEL LANDING IN FRONT OF THE PRIVATE WALKWAY. DO NOT INTRODUCE A STEP TO THE CURB RAMP FROM THE PRIVATE WALKWAY.
12	A		X	X	X	-REMOVE OR TRIM THE LANDSCAPING WITHIN THE ENTIRE AND NEAR THE CURB RETURN AT N/W AND N/E CORNERS AND ENSURE THE HEIGHT IS 24" OR LOWER AS MEASURED FROM THE SIDEWALK SURFACE.
13	A		X	X	X	-CURB RAMPS TO BE INSTALLED BY A SEPARATE PROJECT (AC WATER & SEWER GROUP IOIB).
14	A	X		X	X	-PROTECT ADJACENT WALL AT THE N/E CORNER DURING DEMOLITION AND CONSTRUCTION.
15	A	X		X	X	-THERE IS A PRIVATE WALKWAY ADJACENT TO THE S/E CORNER THAT CONNECTS THE CORNER RESIDENCE TO SIDEWALK. ENSURE A LEVEL LANDING IS PROVIDED IN FRONT OF THE PRIVATE WALKWAY.
16	A	X	X	X	X	
17	A	X	X	X	X	
18	A	X	X	X	X	
19	A	X	X	X	X	
20	A	X	X	X	X	-ADJUST LIMIT LINES BEFORE CURB RAMP IF NECESSARY.
21	A	X	X	X	X	
22	A	X	X	X	X	
23	A	X	X	X	X	-TRIM TREE TO PROVIDE 48" HORIZONTAL AND 84" VERTICAL CLEARANCE.
24	A	X	X	X	X	
25	CI	X	X	X	X	-PROTECT ADJACENT KEYSTONE DURING DEMOLITION AND CONSTRUCTION.
26	A	X	X	X	X	
27	A	X	X	X	X	
28	A	X	X	X	X	-MOVE LIMIT LINE BEFORE CURB RAMP -INSTALL SINGLE FLARE N/E SIDE TO PUSH RAMP AS CLOSE TO MIDDLE OF CURB RETURN AS POSSIBLE (UP AGAINST CURB INLET) -INSTALL PEDESTRIAN BARRICADE PER SDG-140 -SEE "DETAIL A" ON SHEET 2
29	A	X	X	X	X	-REPLACE EXISTING CROSSWALK WITH YELLOW CONTINENTAL CROSSWALK PER SDM-16
30	A	X	X	X	X	-REMOVE ANY LANDSCAPING IMPROVEMENTS (WOOD FENCING, GRAVEL, ETC.) BEHIND THE SIDEWALK TO PROVIDE ROOM FOR A TYPE A CURB RAMP. -ADDRESS THE PONDING ISSUE AT THE CORNER.
31	A	X	X	X	X	-REMOVE ANY UNPERMITTED IMPROVEMENTS WITHIN THE ROW (FENCE OR LANDSCAPING) TO ALLOW ROOM FOR THE CURB RAMP.
32	A	X	X	X	X	-RELOCATE STOP SIGN AND STOP LIMIT LINE
33	C2	X	X	X	X	
34	A	X	X	X	X	-SQUARE OFF THE ADJOINING PANEL BEHIND CURB RAMP. -TRIM HEDGES ADJACENT TO THE CURB RETURN DOWN TO 24" OR LOWER AS MEASURED FROM THE SIDEWALK SURFACE. -ADJUST LIMIT LINE BEFORE THE CURB RAMP.
35	A	X	X	X	X	
36	B	X	X	X	X	SEE "DETAIL B" ON SHEET 2
37	B	X	X	X	X	-INSTALL SINGLE FLARE, SEE "DETAIL C" ON SHEET 3
38	B	X	X	X	X	SEE "DETAIL D" ON SHEET 4
39						-CURB RAMP TO BE INSTALLED BY A SEPARATE PROJECT (PACIFIC BEACH ISL SERIES CIRCUIT CONV)



- GENERAL NOTES:**
- A. 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.
 - B. THE DESIGN OF THE CURB RAMP SHALL NOT AFFECT THE DRAINAGE PATTERN ON THE STREET
 - C. CONTRACTOR TO REPLACE LIFTED, DAMAGED OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN.
 - D. COUNTER SLOPES (CURB RAMP SLOPE PLUS STREET SLOPE) WHEN ADDED CANNOT EXCEED 15%. 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%.
 - E. CONTRACTOR TO PROTECT ANY EXISTING WALLS BEHIND THE SIDEWALK DURING DEMOLITION AND CONSTRUCTION.
 - F. FOR NEW OR RELOCATED SIGNAL AND/OR PPB POLES, THE HOUSING ASSEMBLY FOR THE PPB'S SHALL BE REPLACED WITH A METALLIC HOUSING THAT MATCHES COLOR NO. 33538 OF FED-STD-595.
 - G. CONTRACTORS TO ENSURE THERE ARE SIGNS ON BOTH SIDES OF THE STANDARD PEDESTRIAN BARRICADE AND THAT THE ARROWS ON THE SIGNS POINT TO THE NEAREST CROSSING AREA.
 - H. PROVIDE A RETAINING CURB BEHIND 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.

NOTE:
CONTRACTOR TO NOTIFY CM & FS SURVEY SECTION 30 DAYS PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.

- * THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST
- LEGEND**
- (B) CURB RAMP No's
 - ➔ EX UTILITY POLE
 - EX FIRE HYDRANT
 - EX STREET LIGHT
 - T EX TREE
 - ➔ EX STREET SIGN
 - EX CURB RAMP
- PROPOSED CURB RAMPS PER STANDARD DRAWINGS:
- DETECTABLE WARNING TILES SDG-130
 - GENERAL CURB RAMP NOTES SDG-131
 - GENERAL CURB RAMP NOTES & SUPPLEMENTAL DETAILS SDG-132
 - CURB RAMP A & B SDG-133
 - DUAL CURB RAMPS SDG-134
 - CURB RAMP - TYPE C1 & C2 SDG-135
 - CURB RAMP - TYPE C1 & C2 & MORE DETAILS SDG-136
 - CURB RAMP - TYPE D SDG-137
 - GENERAL CURB RAMPS SDG-138
 - ISLAND AND PASSAGEWAY DETAILS SDG-139
 - CURB RAMP BARRICADE SDG-140
 - EX STAMP/IMPRESSION PLACEMENT SDG-145

KEY MAP
NO SCALE

PLANS FOR THE CONSTRUCTION OF
AC WATER GROUP 1018A

The City of **SAN DIEGO** Public Works

WBS# B-16146

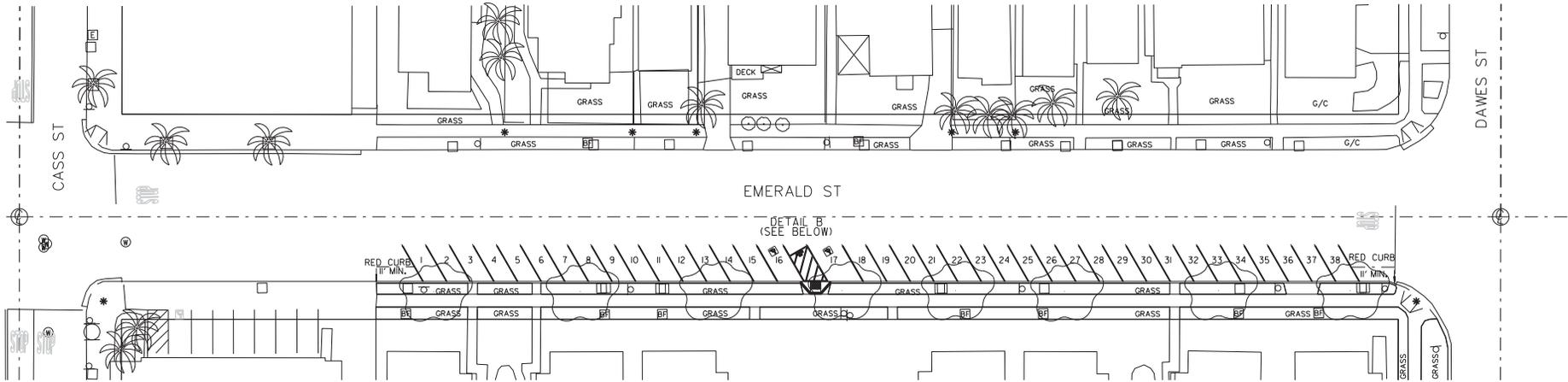
MAP NO. 1 OF 4

CURB RAMP LOCATIONS

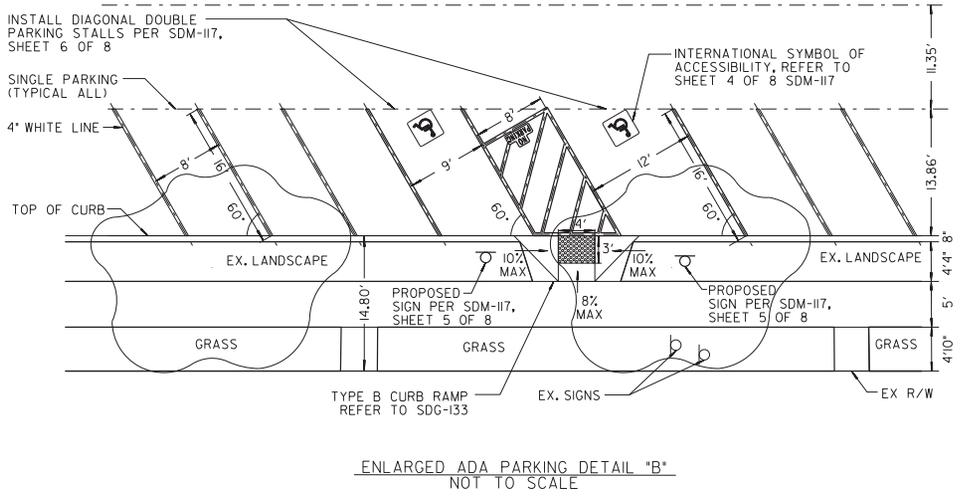
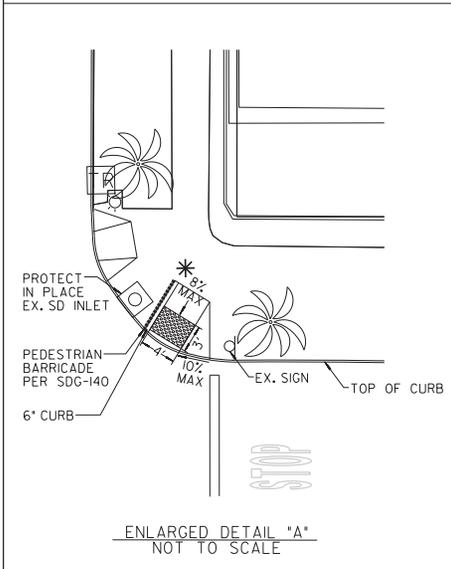
CURB RAMP DETAILS

AC WATER GROUP 1018A

CURB RAMP LOCATIONS



- THE DETECTABLE WARNING TILES SHALL BE STAINLESS STEEL OR REPLACEABLE PER THE CITY'S APPROVED MATERIALS LIST
- CONTRACTOR TO REPLACE ANY DAMAGED OR LIFTED SIDEWALK PANELS ALONG THE PARKING SPACES.



- FOUND SURVEY MONUMENT
- LEGEND
- (B) CURB RAMP NO'S
 - EX UTILITY POLE
 - EX FIRE HYDRANT
 - EX STREET LIGHT
 - EX TREE
 - EX STREET SIGN
 - EX CURB RAMP
 - EX SURVEY MONUMENT
- PROPOSED CURB RAMP PER STANDARD DRAWINGS:
- DETECTABLE WARNING TILES SDG-130
 - GENERAL CURB RAMP NOTES SDG-131
 - GENERAL CURB RAMP NOTES & SUPPLEMENTAL DETAILS SDG-132
 - CURB RAMP A & B SDG-133
 - DUAL CURB RAMP SDG-134
 - CURB RAMP - TYPE C1 & C2 SDG-135
 - CURB RAMP - TYPE C1 & C2 & MORE DETAILS SDG-136
 - CURB RAMP - TYPE D SDG-137
 - GENERAL CURB RAMP SDG-138
 - ISLAND AND PASSAGEWAY DETAILS SDG-139
 - CURB RAMP BARRICADE SDG-140
 - EX STAMP/IMPRESSION PLACEMENT SDG-145

PLANS FOR THE CONSTRUCTION OF
AC WATER GROUP 1018A

EMERALD ST FROM CASS ST TO DAWES ST

The City of **SAN DIEGO** Public Works

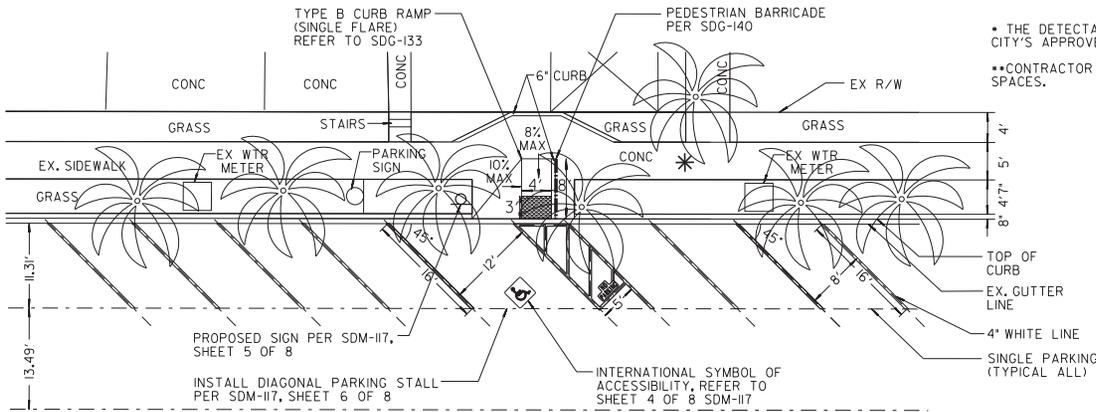
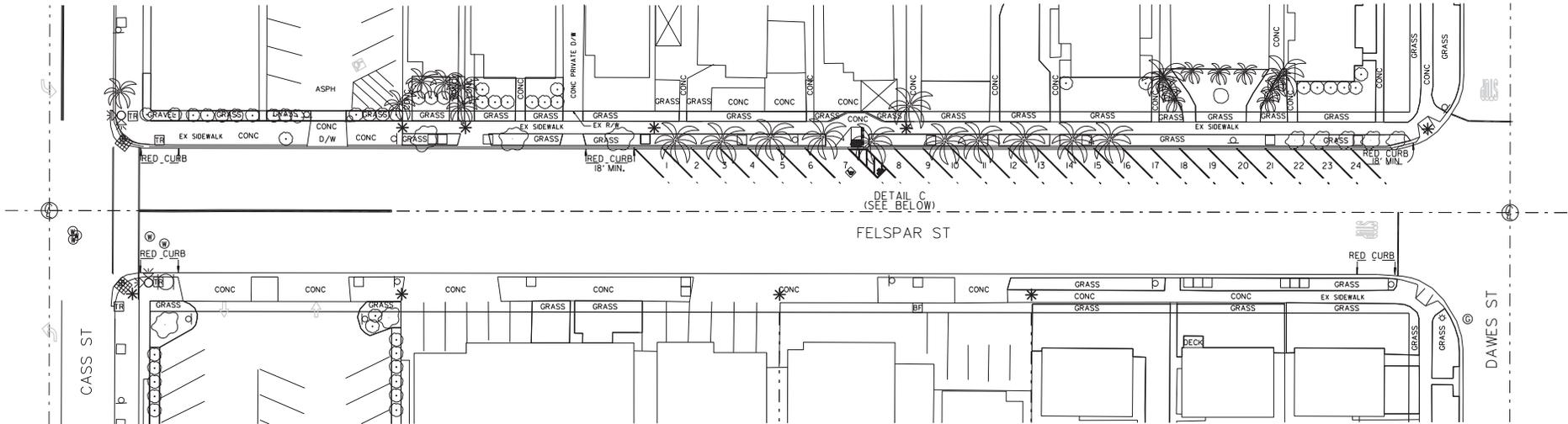
WBS# B-16146

MAP NO. 2 OF 4

CURB RAMP DETAILS

AC WATER GROUP 1018A

CURB RAMP LOCATIONS



- THE DETECTABLE WARNING TILES SHALL BE STAINLESS STEEL OR REPLACEABLE PER THE CITY'S APPROVED MATERIALS LIST
- CONTRACTOR TO REPLACE ANY DAMAGED OR LIFTED SIDEWALK PANELS ALONG THE PARKING SPACES.

LEGEND

- (B) CURB RAMP NO'S
- EX UTILITY POLE
- EX FIRE HYDRANT
- EX STREET LIGHT
- T EX TREE
- EX STREET SIGN
- EX CURB RAMP
- EX SURVEY MONUMENT

- PROPOSED CURB RAMP'S PER STANDARD DRAWINGS:
- DETECTABLE WARNING TILES SDG-130
 - GENERAL CURB RAMP NOTES SDG-131
 - GENERAL CURB RAMP NOTES & SUPPLEMENTAL DETAILS SDG-132
 - CURB RAMP A & B SDG-133
 - DUAL CURB RAMP'S SDG-134
 - CURB RAMP - TYPE C1 & C2 SDG-135
 - CURB RAMP - TYPE C1 & C2 & MORE DETAILS SDG-136
 - CURB RAMP - TYPE D SDG-137
 - GENERAL CURB RAMP'S SDG-138
 - ISLAND AND PASSAGEWAY DETAILS SDG-139
 - CURB RAMP BARRICADE SDG-140
 - EX STAMP/IMPRESSION PLACEMENT SDG-145

ENLARGED ADA PARKING DETAIL "C"
NOT TO SCALE

PLANS FOR THE CONSTRUCTION OF
AC WATER GROUP 1018A

FELSPAR ST FROM CASS ST TO DAWES ST



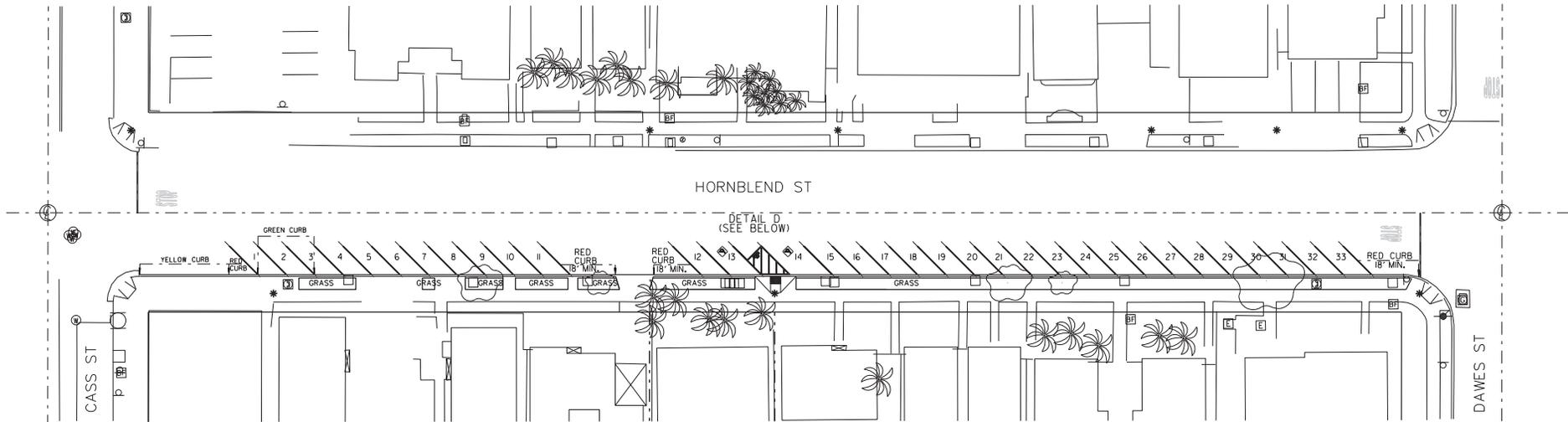
WBS#
B-16146

MAP NO.
3 OF 4

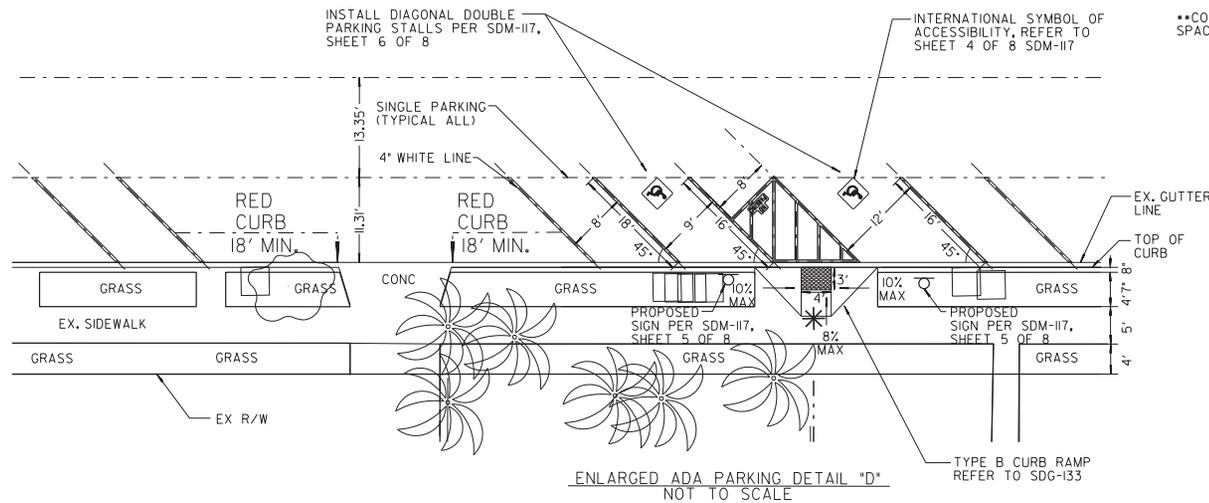
CURB RAMP DETAILS

AC WATER GROUP 1018A

CURB RAMP LOCATIONS



- THE DETECTABLE WARNING TILES SHALL BE STAINLESS STEEL OR REPLACEABLE PER THE CITY'S APPROVED MATERIALS LIST
- CONTRACTOR TO REPLACE ANY DAMAGED OR LIFTED SIDEWALK PANELS ALONG THE PARKING SPACES.



- LEGEND
- (B) CURB RAMP NO's
 - T EX TREE
 - + EX UTILITY POLE
 - EX FIRE HYDRANT
 - EX STREET LIGHT
 - EX STREET SIGN
 - EX CURB RAMP
 - EX SURVEY MONUMENT

- PROPOSED CURB RAMP PER STANDARD DRAWINGS:
- DETECTABLE WARNING TILES SDG-130
 - GENERAL CURB RAMP NOTES SDG-131
 - GENERAL CURB RAMP NOTES & SUPPLEMENTAL DETAILS SDG-132
 - CURB RAMP A & B SDG-133
 - DUAL CURB RAMP SDG-134
 - CURB RAMP - TYPE C1 & C2 SDG-135
 - CURB RAMP - TYPE C1 & C2 & MORE DETAILS SDG-136
 - CURB RAMP - TYPE D SDG-137
 - GENERAL CURB RAMP SDG-138
 - ISLAND AND PASSAGEWAY DETAILS SDG-139
 - CURB RAMP BARRICADE SDG-140
 - EX STAMP/IMPRESSION PLACEMENT SDG-145

PLANS FOR THE CONSTRUCTION OF
AC WATER GROUP 1018A

HORNBLEND ST FROM CASS ST TO DAVES ST

The City of
SAN DIEGO Public Works

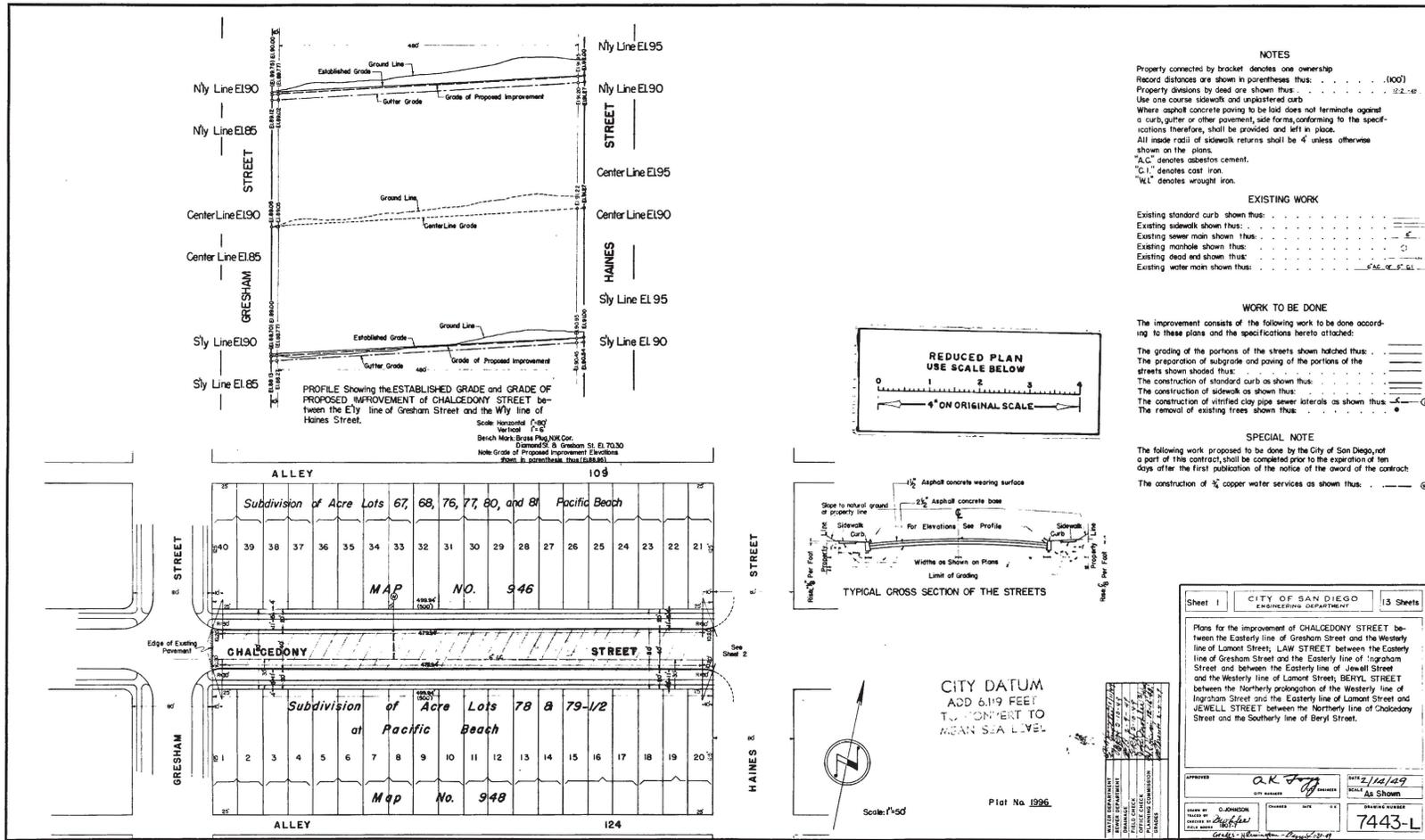


WBS#
B-16146

MAP NO.
4 OF 4

CURB RAMP DETAILS

REFERENCE AS-BUILTS



NOTES

Property connected by bracket denotes one ownership
 Record distances are shown in parentheses thus: (100)
 Property divisions by dead are shown thus: 12.2.12
 Use one course sidewalk and unregistered curb
 Where asphalt concrete paving to be laid does not terminate against a curb, gutter or other pavement, side forms, conforming to the specifications therefore, shall be provided and left in place.
 All inside radii of sidewalk returns shall be 4' unless otherwise shown on the plans.
 "A.C." denotes asphalt cement.
 "C.I." denotes cast iron.
 "W." denotes wrought iron.

EXISTING WORK

Existing standard curb shown thus:
 Existing sidewalk shown thus:
 Existing sewer main shown thus:
 Existing manhole shown thus:
 Existing dead end shown thus:
 Existing water main shown thus:

WORK TO BE DONE

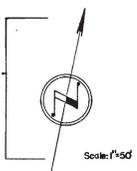
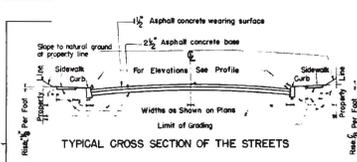
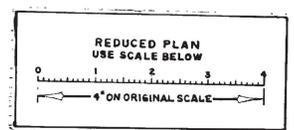
The improvement consists of the following work to be done according to these plans and the specifications hereto attached:

The grading of the portions of the streets shown hatched thus:
 The preparation of subgrade and paving of the portions of the streets shown hatched thus:
 The construction of standard curb as shown thus:
 The construction of sidewalk as shown thus:
 The construction of vitrified clay pipe sewer laterals as shown thus:
 The removal of existing trees shown thus:

SPECIAL NOTE

The following work proposed to be done by the City of San Diego, not a part of this contract, shall be completed prior to the expiration of ten days after the first publication of the notice of the award of the contract.

The construction of 3/4" copper water services as shown thus:

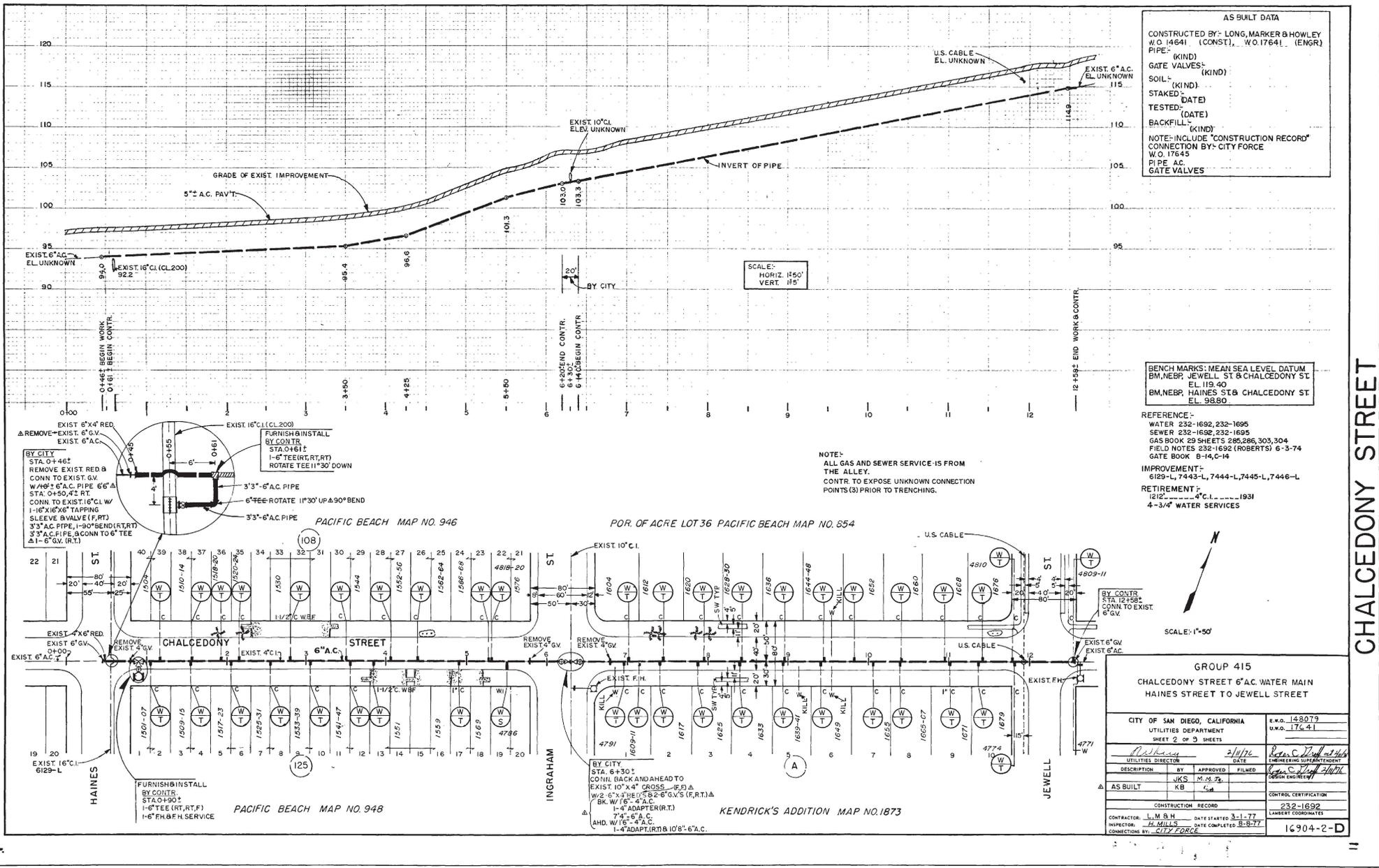


CITY DATUM
 ADD 6.119 FEET
 TO CONVERT TO
 MEAN SEA LEVEL

Plot No. 1996

Sheet 1	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	13 Sheets
Plans for the improvement of CHALCEDONY STREET between the Easterly line of Gresham Street and the Westerly line of Lamont Street, LAW STREET between the Easterly line of Gresham Street and the Easterly line of Ingraham Street and between the Easterly line of Jewell Street and the Westerly line of Lamont Street; BERYL STREET between the Northernly prolongation of the Westerly line of Ingraham Street and the Easterly line of Lamont Street and JEWELL STREET between the Northernly line of Chalcedony Street and the Southernly line of Beryl Street.		
APPROVED	<i>A.K. [Signature]</i>	DATE 2/14/29
DESIGNED BY	CITY ENGINEER	SCALE As Shown
DRAWN BY		DATE
CHECKED BY		
PROJECT NO.		7443-L

CONSTRUCTION RECORD		W O No 3371
DATE	BY	
2-14-29	ROSE	
2-14-29	NOVE	
2-14-29		



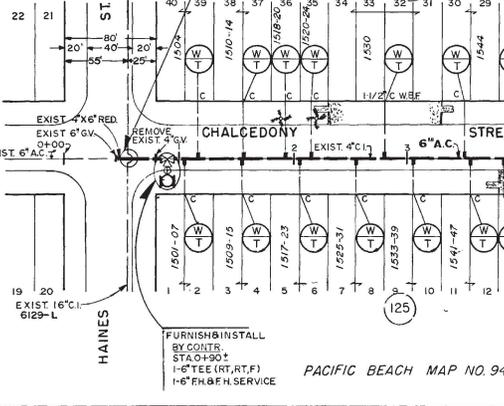
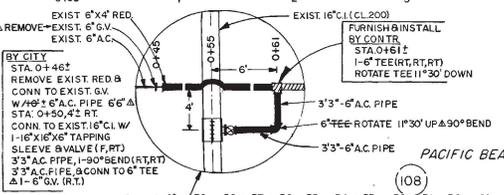
AS BUILT DATA
 CONSTRUCTED BY: LONG, MARKER B HOWLEY
 W.O. 17641 (CONST), W.O. 17641 (ENGR)
 PIPE: (KIND)
 GATE VALVES: (KIND)
 SOIL: (KIND)
 STAKED: (DATE)
 TESTED: (DATE)
 BACKFILL: (KIND)
 NOTE: INCLUDE "CONSTRUCTION RECORD"
 CONNECTION BY: CITY FORCE
 W.O. 17645
 PIPE AC.
 GATE VALVES

BENCH MARKS: MEAN SEA LEVEL DATUM
 BM, NEBR, JEWELL ST & CHALCEDONY ST
 EL. 119.40
 BM, NEBR, HAINES ST & CHALCEDONY ST
 EL. 98.80

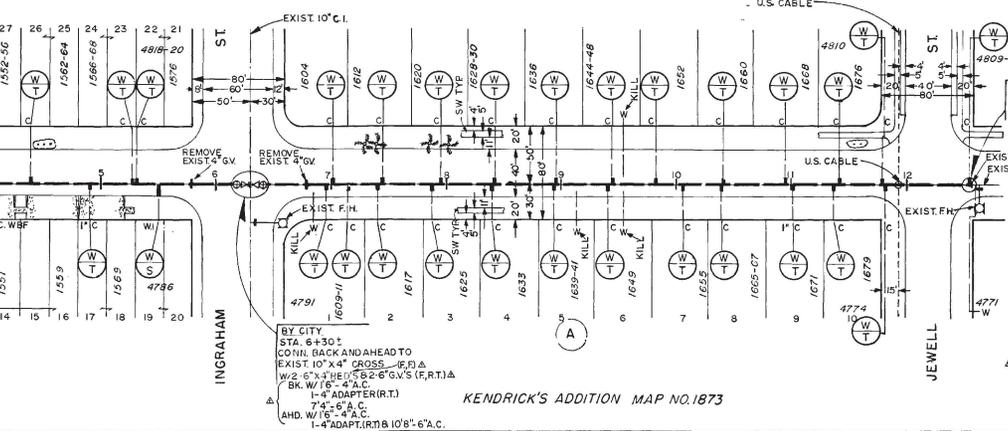
REFERENCE:-
 WATER 232-1692, 232-1695
 SEWER 232-1692, 232-1695
 GAS BOOK 23 SHEETS 286, 286, 303, 304
 FIELD NOTES 232-1692 (ROBERTS) 6-3-74
 GATE BOOK 8-14-C-14
 IMPROVEMENT:-
 1219-L, 7443-L, 7444-L, 7445-L, 7446-L
 RETIREMENT:-
 1212-4-C, 1931
 4-3/4" WATER SERVICES

SCALE: HORIZ. 1"=50'
 VERT. 1"=5'

NOTE:-
 ALL GAS AND SEWER SERVICE IS FROM
 THE ALLEY.
 CONTR. TO EXPOSE UNKNOWN CONNECTION
 POINTS (S) PRIOR TO TRENCHING.

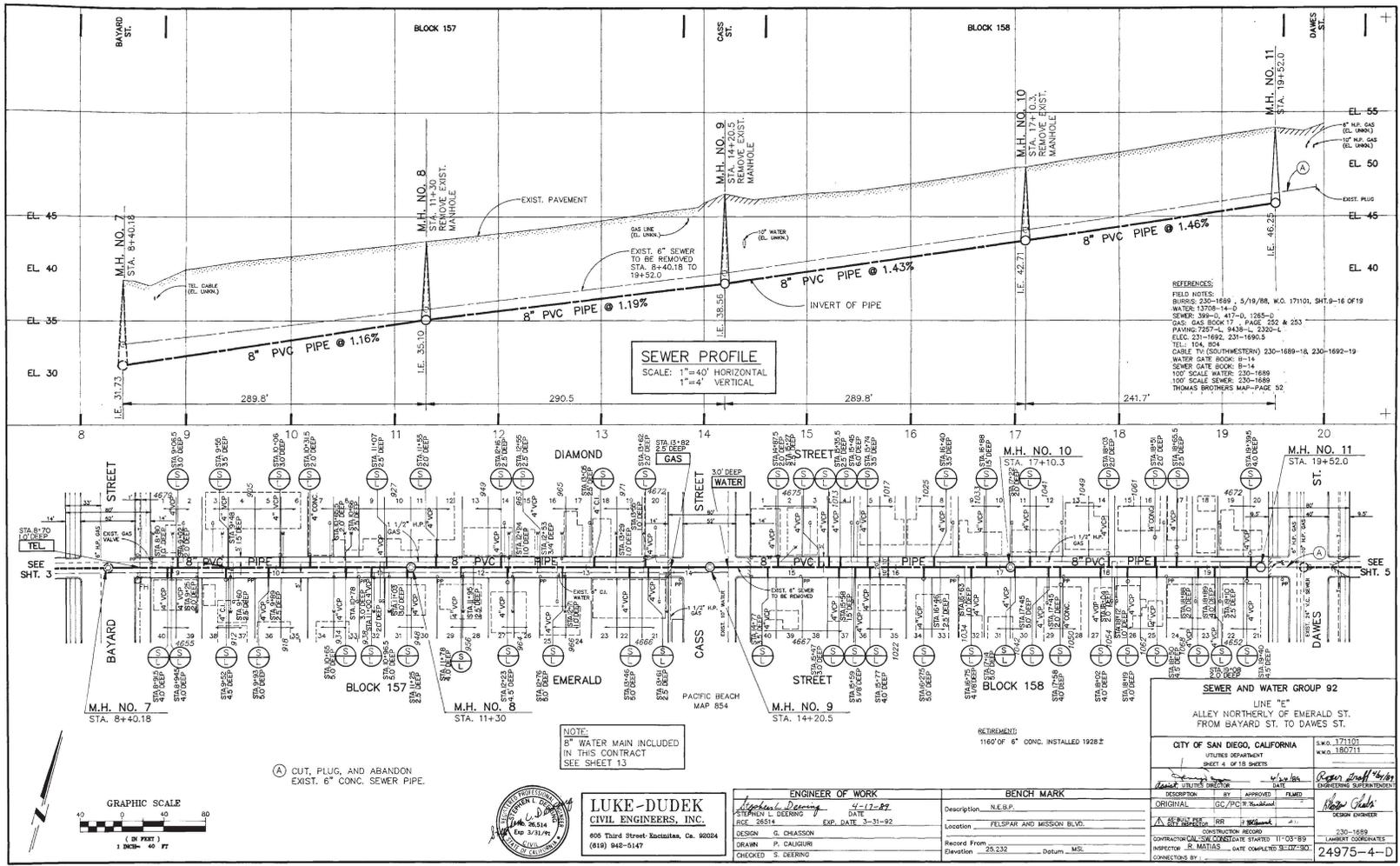


PACIFIC BEACH MAP NO. 946
 POR. OF ACRE LOT 36 PACIFIC BEACH MAP NO. 854



GROUP 415
 CHALCEDONY STREET 6" A.C. WATER MAIN
 HAINES STREET TO JEWELL STREET

CITY OF SAN DIEGO, CALIFORNIA		U.S. NO. 148079
UTILITIES DEPARTMENT		U.S. NO. 17641
SHEET 2 OF 3 SHEETS		
UTILITIES DIRECTOR	DATE	ENGINEERING SUPERINTENDENT
DESCRIPTION	BY	APPROVED
AS BUILT	JKS	M. M. J.
CONSTRUCTION RECORD	KB	C. A.
CONTRACTOR: L. M. B. M.		DATE STARTED: 3-1-77
INSPECTOR: H. MILLS		DATE COMPLETED: 8-8-77
CONNECTIONS BY: CITY FORCE		CONTROL CERTIFICATION
		LABORER COORDINATOR
		16904-2-D



SEWER PROFILE
 SCALE: 1"=40' HORIZONTAL
 1"=4' VERTICAL

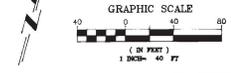
REFERENCES:
 FIELD NOTES:
 BURD: 230-1689, 5/19/88, W.O. 17101, SHT. 9-16 OF 19
 WATER 12708-14-0
 SEWER 399-0, 417-0, 1265-0
 GAS: GAS BOOK 17, PAGE 252 & 253
 PAVING 7257-L, 9438-L, 2300-L
 ELEC. 231-1682, 231-1680, 5
 TEL: 154, 804
 EXIST. TR. (SOUTHWESTERN) 230-1689-18, 230-1692-19
 WATER GATE BOOK 8-14
 SEWER GATE BOOK 8-14
 100' SCALE WATER: 230-1689
 100' SCALE SEWER: 230-1688
 THOMAS BROTHERS MAP-PAGE 52

SEWER AND WATER GROUP 92	
LINE "E" ALLEY NORTHERLY OF EMERALD ST. FROM BAYARD ST. TO DAVES ST.	
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 4 OF 18 SHEETS	
S.W. 121101 M.W. 150211	DATE: 4/17/82 DESIGNER: Roger Staff ENGINEERING SUPERVISOR: Roger Staff
DESCRIPTION: ORIGINAL	APPROVED: [Signature] DATE: 4/17/82 DESIGN ENGINEER: Roger Staff
RECORD FROM: CONSTRUCTION RECORD	LAWYER COORDINATES: 230-1689
ELEVATION: 25.332	DATE COMPLETED: 3/31/82 CONNECTIONS BY: 24975-4-D

NOTE:
 8" WATER MAIN INCLUDED
 IN THIS CONTRACT
 SEE SHEET 13

LUKE-DEUK
 CIVIL ENGINEERS, INC.
 406 Third Street, San Marcos, CA 92064
 (619) 948-0147

ENGINEER OF WORK		BENCH MARK	
STEPHEN L. DEERING REG. 28514	4-17-82 DATE	N.E.S.P.	
DESIGN: C. CHASSON	EXP. DATE: 3-31-92	Location: FELSPAR AND MISSION BLVD.	
DRAWN: P. CALIGURI	CONSTRUCTION RECORD	Record From: _____	
CHECKED: S. DEERING	DATE: _____	Elevation: 25.332 Datum: M.S.L.	

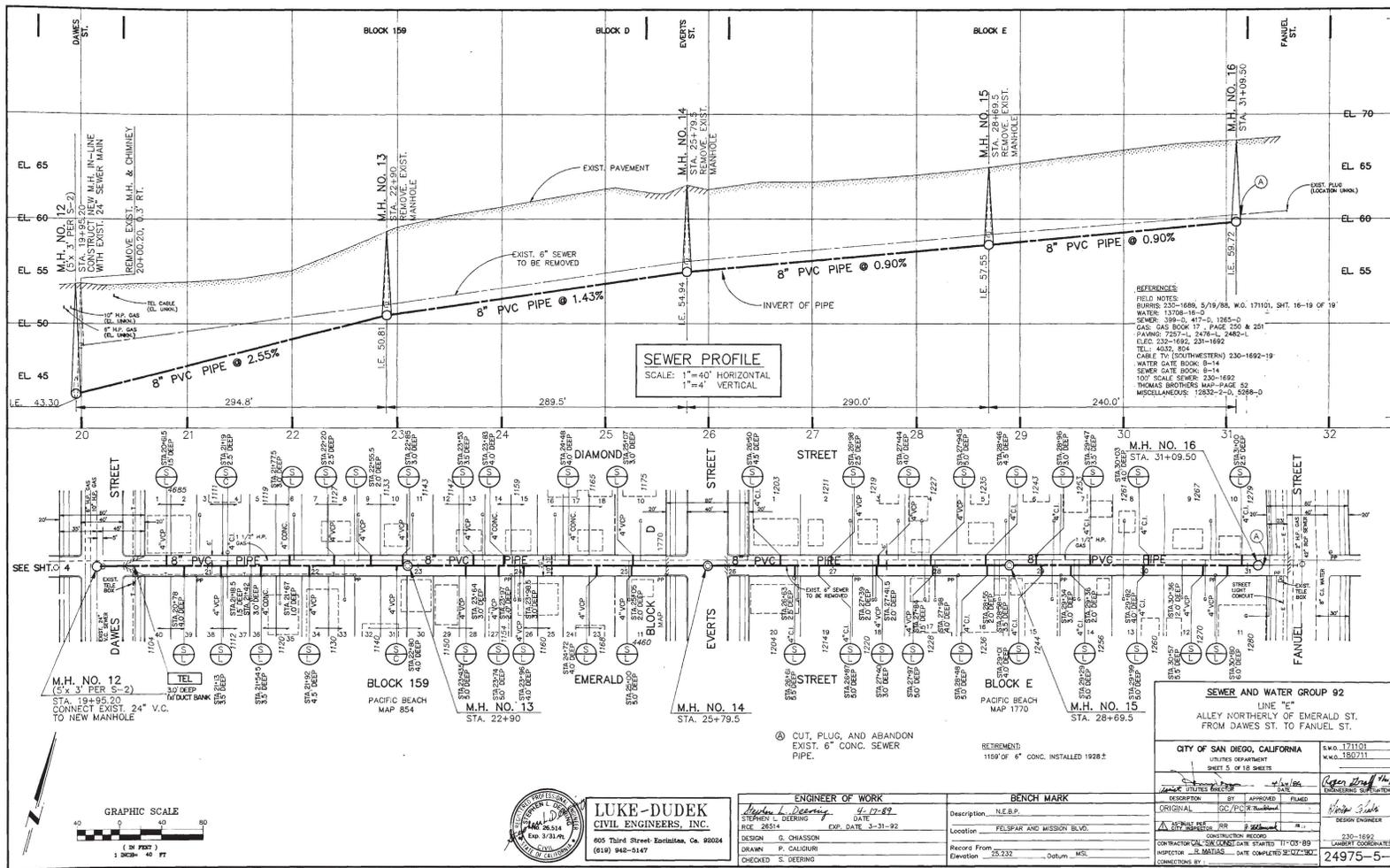


(A) CUT, PLUG, AND ABANDON
 EXIST. 6" CONC. SEWER PIPE.

ALLEY BLK. 157 & 158

AS-BUILT



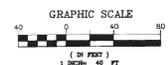


SEWER PROFILE
SCALE: 1"=40' HORIZONTAL
1"=4' VERTICAL

REFERENCES
FIELD NOTES
BURNS 230-1692, 5/19/84, W.O. 17101, SHT. 16-19 OF 19'
WATER: 13708-16-2
SEWER: 1391-0, 417-0, 1265-0
GAS: GAS BOOK 17 - PAGE 250 & 251
FANUEL: 7251-1, 2438-4, 2482-7
I.L.E.D. 232-1692, 231-1692
TEL. 4302, 504
CABLE TV (SOUTHWESTERN) 230-1692-19
WATER DATE BOOK: 8-14
SEWER DATE BOOK: 8-14
DOT SCALE DRAWING: 130-1692
THOMAS BROTHERS MAP-PAGE 52
MISCELLANEOUS: 12832-7-0, 5098-0

SEWER AND WATER GROUP 92
LINE "E"
ALLEY NORTHERLY OF EMERALD ST.
FROM DAWES ST. TO FANUEL ST.

M.H. NO. 12
STA. 19+49.50
CONNECT EXIST. 24" V.C.
TO NEW MANHOLE



LUKE-DEDEK CIVIL ENGINEERS, INC.
605 Third Street, San Diego, CA 92104
(619) 948-5147

ENGINEER OF WORK
Stephen L. Deering 4-17-89
STEPHEN L. DEERING DATE
RICK REISA EXP. DATE 3-31-92
DESIGN: G. CHASSON
DRAWN: P. CALIUGRI
CHECKED: S. DEERING

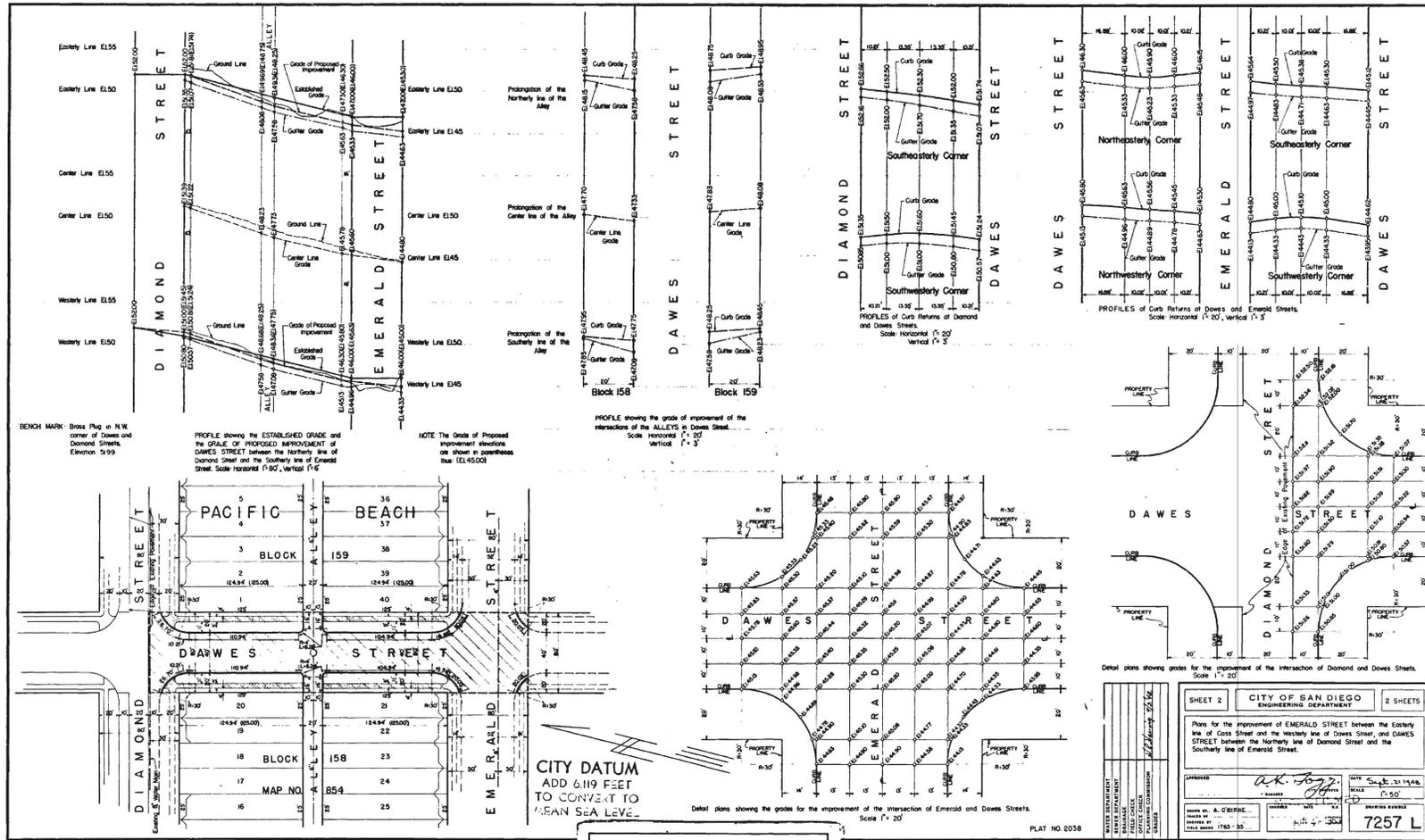
BENCH MARK	
Description	N.E.B.P.
Location	FELSPAR AND MISSION BLVD.
Record From	
Elevation	25.232 Datum: M.S.L.

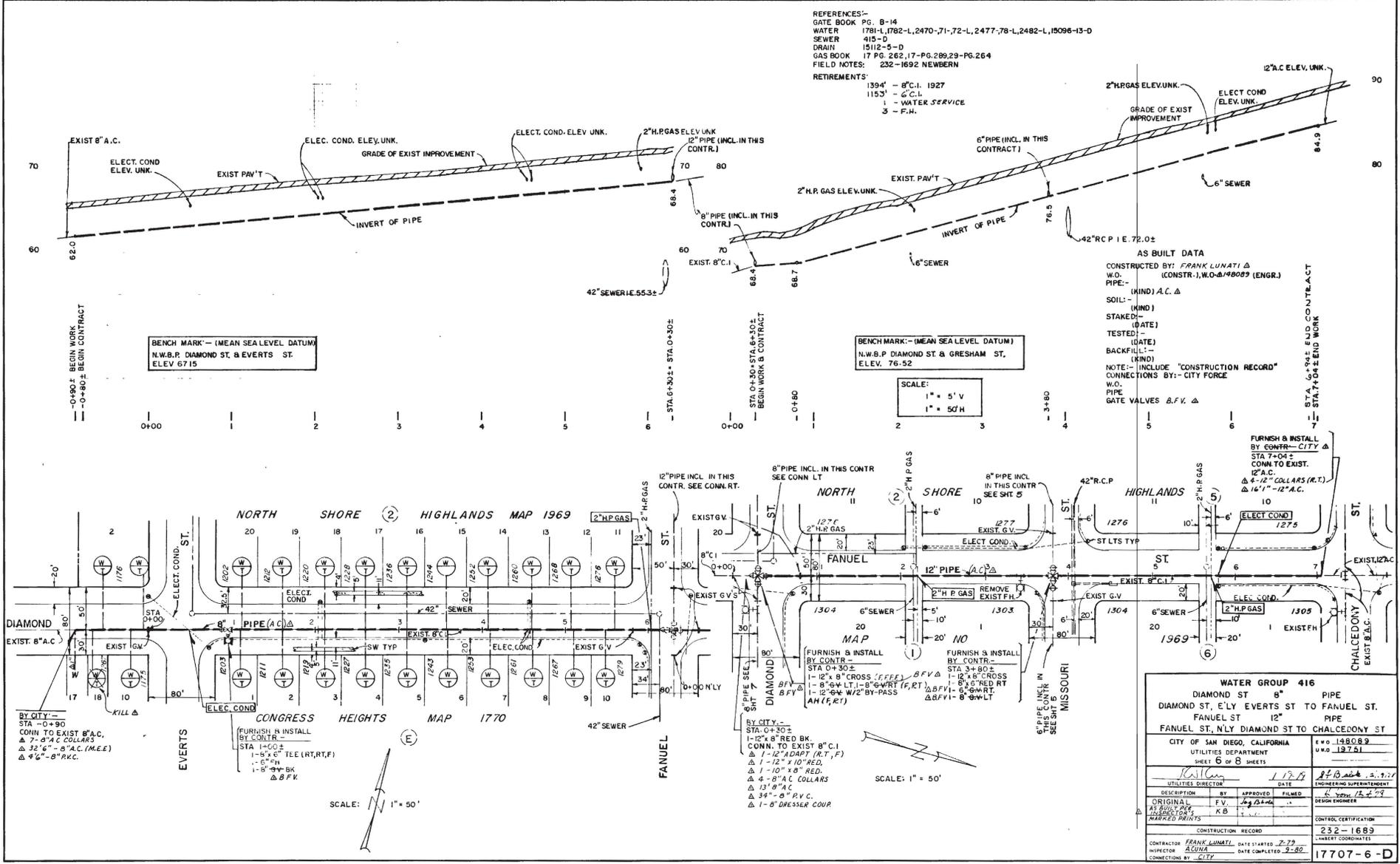
CITY OF SAN DIEGO, CALIFORNIA		S.W.O. 171101	
UTILITIES DEPARTMENT		W.O. 130711	
SHEETS 5 OF 15 SHEETS			
DESIGNED BY	DATE	APPROVED BY	DATE
ORIGINAL	GC/PCK/PL/BLK/4	APPROVED BY	DATE
DESIGN ENGINEER		DESIGN ENGINEER	
CONTRACTOR/CAL. CIVIL CONSULTANTS	CONSTRUCTION RECORD	CONTRACTOR/CAL. CIVIL CONSULTANTS	CONSTRUCTION RECORD
INSTRUCTOR: J.E. BAUGUS	DATE COMPLETED: 8/22/89	INSTRUCTOR: J.E. BAUGUS	DATE COMPLETED: 8/22/89
CONNECTIONS BY		CONNECTIONS BY	

AS-BUILT



ALLEY BLK. 159, D & E





REFERENCES:-
 GATE BOOK PG. B-14
 WATER 1781-L, 1782-L, 2470-71, 72-L, 2477, 78-L, 2482-L, 18096-13-D
 SEWER 415-D
 DRAIN 1512-5-D
 GAS BOOK 17 PG. 262, 17-PG. 289, 29-PG. 264
 FIELD NOTES: 232-1892 NEWBERN

RETIREMENTS
 1394' - 8" C.I. 1927
 1153' - 6" C.I.
 1 - WATER SERVICE
 3 - F.H.

BENCH MARK - (MEAN SEA LEVEL DATUM)
 N.W.B.P. DIAMOND ST. & EVERTS ST.
 ELEV. 67.15

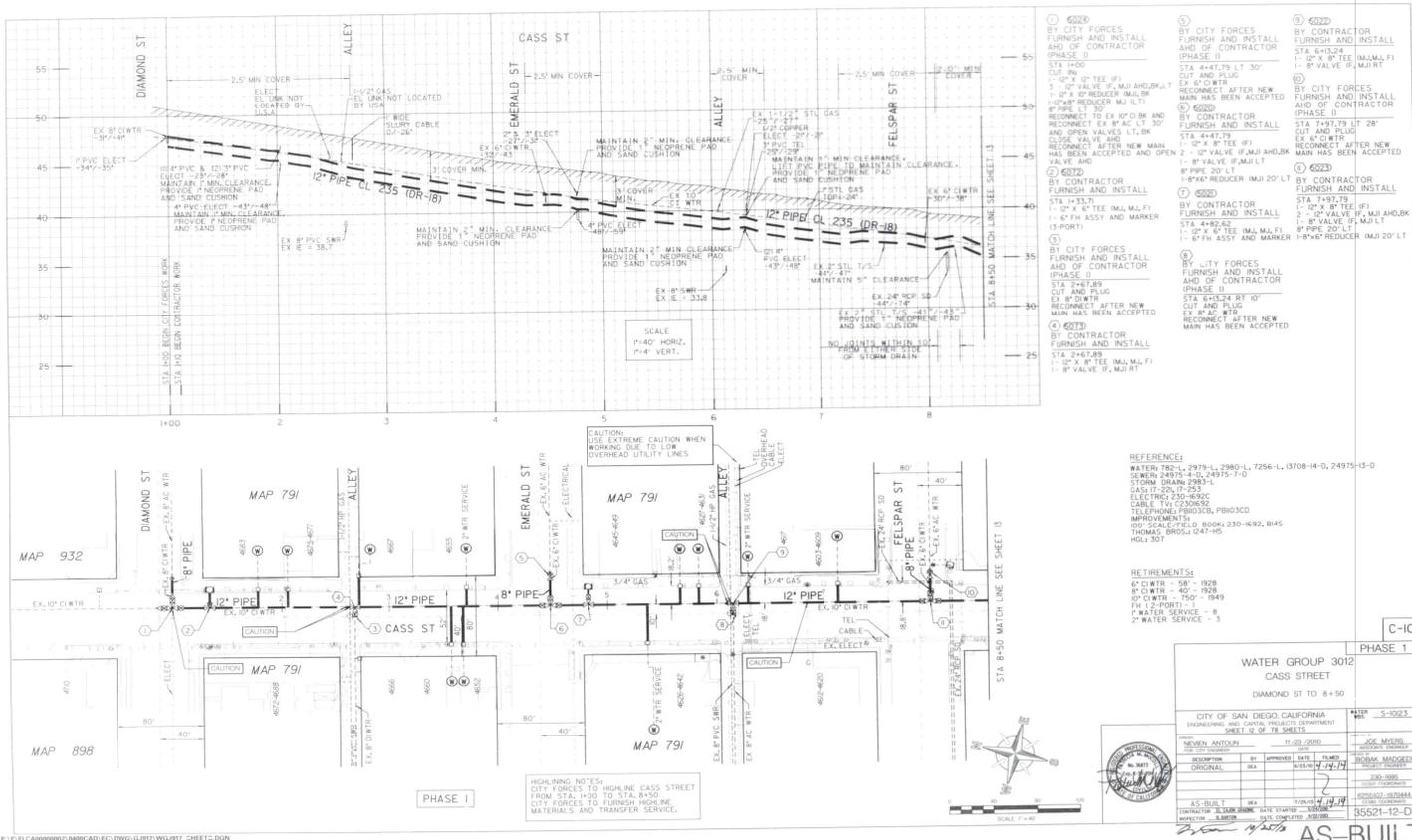
BENCH MARK - (MEAN SEA LEVEL DATUM)
 N.W.B.P. DIAMOND ST. & GRESHAM ST.
 ELEV. 76.52

SCALE:
 1" = 5' V
 1" = 50' H

AS BUILT DATA
 CONSTRUCTED BY: FRANK LUNATI &
 W.D. (CONSTR.), W.O.-A/98089 (ENGR.)
 PIPE - (KIND) A.C. Δ
 SOIL - (KIND) Δ
 STAKED - (DATE)
 TESTED - (DATE)
 BACKFILL - (KIND)
 NOTE - INCLUDE "CONSTRUCTION RECORD"
 CONNECTIONS BY: - CITY FORCE
 W.O. PIPE
 GATE VALVES & F.V. Δ

WATER GROUP 416																			
DIAMOND ST 8" PIPE		E'LY EVERTS ST TO FANUEL ST.																	
FANUEL ST 12" PIPE		N'LY DIAMOND ST TO CHALCEDONY ST																	
CITY OF SAN DIEGO, CALIFORNIA																			
UTILITIES DEPARTMENT		ENGINEERING SUPERINTENDENT																	
SHEET 6 OF 8 SHEETS		U.I.D. 148089																	
		U.I.D. 19751																	
<table border="1"> <tr> <td>DESCRIPTION</td> <td>BY</td> <td>APPROVED</td> <td>FILED</td> </tr> <tr> <td>UTILITIES DIRECTOR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DATE</td> <td>1/12/19</td> <td>DATE</td> <td>1/12/19</td> </tr> <tr> <td>DATE</td> <td>1/12/19</td> <td>DATE</td> <td>1/12/19</td> </tr> </table>				DESCRIPTION	BY	APPROVED	FILED	UTILITIES DIRECTOR				DATE	1/12/19	DATE	1/12/19	DATE	1/12/19	DATE	1/12/19
DESCRIPTION	BY	APPROVED	FILED																
UTILITIES DIRECTOR																			
DATE	1/12/19	DATE	1/12/19																
DATE	1/12/19	DATE	1/12/19																
ORIGINAL		AS BUILT PER																	
DRAWN BY		CHECKED BY																	
MARKED PRINTS		CONTROL CERTIFICATION																	
CONSTRUCTION RECORD		232-1689																	
CONTRACTOR: FRANK LUNATI		DATE STARTED: 2-79																	
SUPERVISOR: ALVINE		DATE COMPLETED: 3-80																	
CONNECTIONS BY: CITY		17707-6-D																	

DIAMOND STREET & FANUEL STREET



- ① 6026 BY CITY FORCES FURNISH AND INSTALL AND OF CONTRACTOR (PHASE I)
 STA 1+00
 1- 12" X 12" TEE IF
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ② 6027 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ③ 6028 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ④ 6029 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑤ 6030 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑥ 6031 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑦ 6032 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑧ 6033 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑨ 6034 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑩ 6035 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑪ 6036 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑫ 6037 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑬ 6038 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑭ 6039 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑮ 6040 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑯ 6041 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑰ 6042 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑱ 6043 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑲ 6044 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ⑳ 6045 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ㉑ 6046 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ㉒ 6047 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ㉓ 6048 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ㉔ 6049 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT
- ㉕ 6050 BY CONTRACTOR FURNISH AND INSTALL (PHASE II)
 STA 1+47.79
 1- 8" VALVE IF, M.J. RT
 1- 8" X 8" REDUCER M.J. LT

REFERENCE:
 WATER 791-L, 7979-L, 2980-L, 7256-L, 13708-14-D, 24975-13-D
 SEWER 24975-4-D, 24975-7-D
 STORM 24975-1-D
 GAS 17-22, 17-25
 ELECTRICAL 230-6025
 CABLE TV C300025
 TELEPHONE/FIBER/OPTIC P803CD
 100' SCALE/FIELD BOOKS 230-692, BIAS
 HOME 895-1, 1247-10
 HOLL 307

RETIREMENTS:
 6" CWTR - 58' - 1928
 8" CWTR - 40' - 1928
 8" CWTR - 700' - 1949
 1/4" 2" PORT - 1
 2" WATER SERVICE - 8
 2" WATER SERVICE - 3

PHASE 1

WATER GROUP 3012
 CASS STREET
 DIAMOND ST TO 8+50

CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
 SHEET 12 OF 78 SHEETS

DESIGNED BY	DATE	11/28/2009
CHECKED BY	DATE	12/1/2009
APPROVED BY	DATE	12/1/2009
DESIGNED BY	DATE	12/1/2009
CHECKED BY	DATE	12/1/2009
APPROVED BY	DATE	12/1/2009

AS-BUILT

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 31-JUL-2011 16:02 jake



- ① 6039 BY CITY FORCES FURNISH AND INSTALL AND OF CONTRACTOR (PHASE 4)
- ② 6039 BY CITY FORCES FURNISH AND INSTALL AND OF CONTRACTOR (PHASE 4)
- ③ 6039 BY CITY FORCES FURNISH AND INSTALL AND OF CONTRACTOR (PHASE 4)
- ④ 6039 BY CITY FORCES FURNISH AND INSTALL AND OF CONTRACTOR (PHASE 4)
- ⑤ 6039 BY CITY FORCES FURNISH AND INSTALL AND OF CONTRACTOR (PHASE 4)
- ⑥ 6039 BY CITY FORCES FURNISH AND INSTALL AND OF CONTRACTOR (PHASE 4)
- ⑦ 6039 BY CITY FORCES FURNISH AND INSTALL AND OF CONTRACTOR (PHASE 4)
- ⑧ 6039 BY CITY FORCES FURNISH AND INSTALL AND OF CONTRACTOR (PHASE 4)
- ⑨ 6039 BY CITY FORCES FURNISH AND INSTALL AND OF CONTRACTOR (PHASE 4)
- ⑩ 6039 BY CITY FORCES FURNISH AND INSTALL AND OF CONTRACTOR (PHASE 4)

REFERENCE:
 WATER: WATER OVERLAY 232-692, 230-692, 1707-7-D
 SEWER: 2479-9-D, 1369-9-D, 2479-9-D, 2479-9-D, 1264-D
 STORM DRAIN: 1369-9-D, 8733-3-D
 GAS: 12795-17-223
 ELECTRIC: 232-692, 230-692-2
 CABLE TV: 12795-17-223
 TELEPHONE: PB0903CB
 IMPROVEMENTS:
 100' SCALE FIELD BOOK: 230-692, 232-692, B45
 THOMAS BRUSH: 141-36, 1247-36
 HGL: 307

RETIREMENTS:
 8" C: 800' - 970'
 PH (2-PORT) - 2'
 WATER SERVICE - 3'

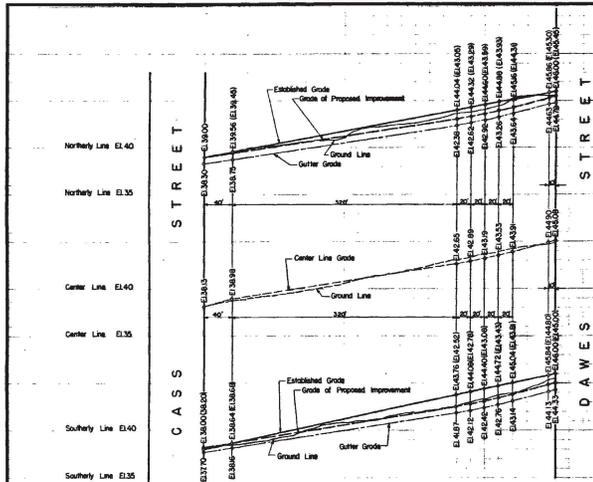
HIGHLIGHTING NOTES:
 CITY FORCES TO HIGHLIGHT FANIEL STREET FROM STA 1+00 TO 9+00.
 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

WATER GROUP 3012		PHASE 4
FANIEL STREET		
DIAMOND TO STA 9+00		
CITY OF SAN DIEGO, CALIFORNIA	MAP 5-1023	
ENGINEERING AND PLANNING DEPARTMENT	SHEET 46 OF 78 SHEETS	
DESIGNED BY: NEUVEN, ANTONIEN	DATE: 11/20/2020	BY: JOE MENDOZA
CHECKED BY: NEUVEN, ANTONIEN	DATE: 11/20/2020	BY: JOE MENDOZA
DESCRIPTION: WATER MAIN	BY: APPROVED DATE: 11/20/2020	BY: JOE MENDOZA
ORIGINAL: 00A	DATE: 11/20/2020	BY: JOE MENDOZA
AS-BUILT	DATE: 11/20/2020	BY: JOE MENDOZA
CONTRACT NO. 35521-16-D	DATE: 11/20/2020	BY: JOE MENDOZA
MONITOR: 35521-16-D	DATE: 11/20/2020	BY: JOE MENDOZA

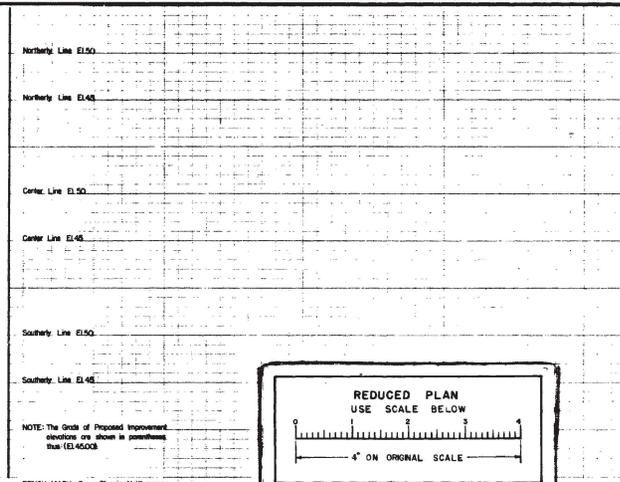
AS-BUILT



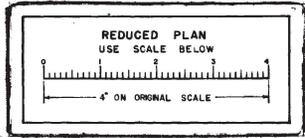
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PROFILE showing the ESTABLISHED GRADE and the GRADE OF PROPOSED IMPROVEMENT of EMERALD STREET between the Eastern line of Cass Street and the Western line of Dawes Street.
Scale Horizontal 1" = 60'
Vertical 1" = 6'



NOTE: The Grade of Proposed Improvement elevations are shown in parentheses thus (E1.4500).
BENCH MARK: Brass Plug in N.W. corner of Dawes and Diamond Streets.
Elevation 54.99

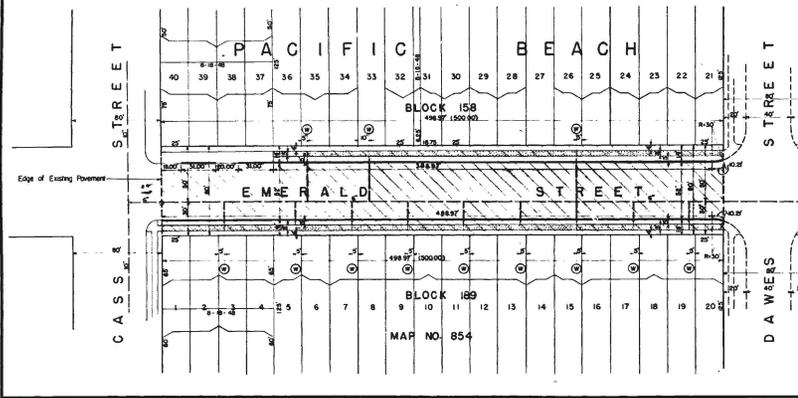


WORK TO BE DONE
The improvement consists of the following work to be done according to these plans and the specifications herein attached:
The grading of the portions of the streets shown hatched thus: _____
The preparation of subgrade and paving of the portions of the streets shown shaded thus: _____
The construction of sidewalk curbs as shown thus: _____
The construction of sidewalk as shown thus: _____

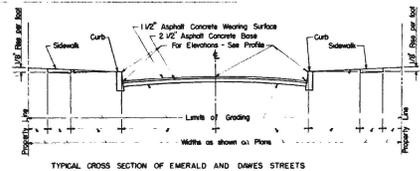
EXISTING WORK
Existing curb shown thus: _____
Existing sidewalk shown thus: _____
Existing sewer main shown thus: _____
Existing water main shown thus: _____
Existing gas valves shown thus: _____
Existing manhole shown thus: _____
Existing tree shown thus: _____

NOTES
Record distances shown in parentheses thus (1000).
Property connected by brackets denotes one corner-ship.
Property divisions by dead end shown thus: E-18-18.
Use unpaved curb.
Use one course sidewalk.
All inside radii of sidewalk return shall be 4' unless otherwise shown on the plans.
Where asphalt concrete paving to be laid does not terminate against a curb, gutter or other pavement, side forms, conforming to the specifications herein, shall be provided and left in place.

SPECIAL NOTE
The following work proposed to be done by the City of San Diego, not a part of this contract, shall be completed prior to the expiration of ten days after the first publication of the notice of the award of the contract.
The construction of 3/4" copper water services as shown thus: _____

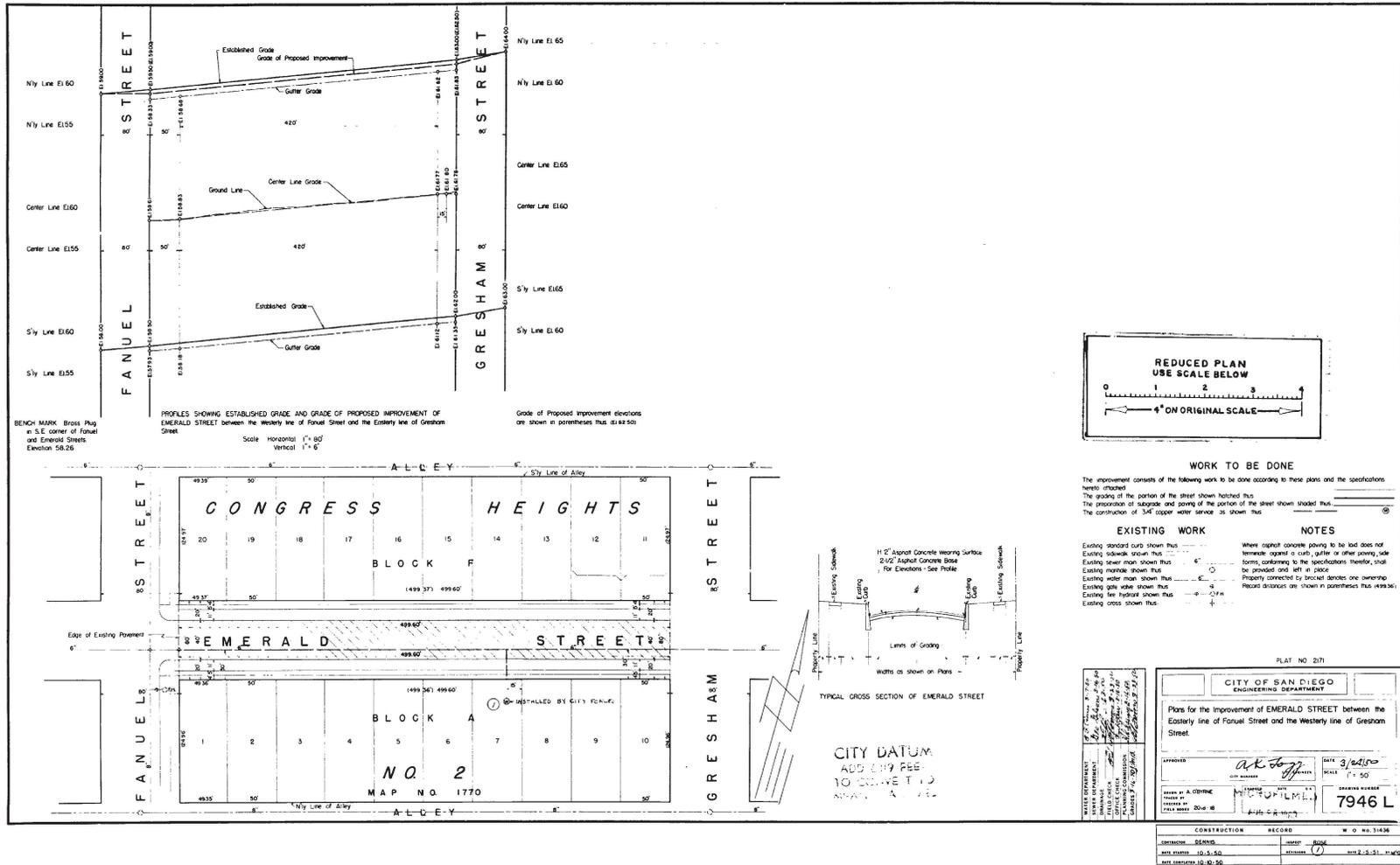


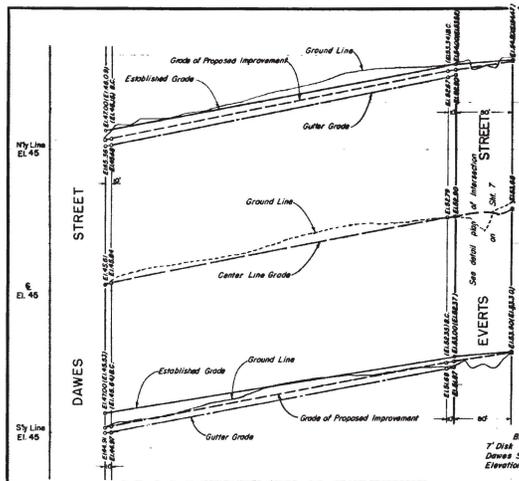
CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL



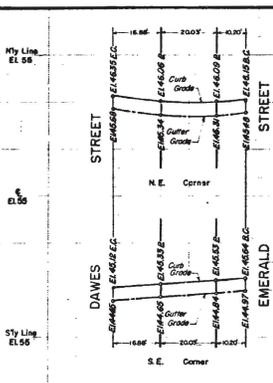
TYPICAL CROSS SECTION OF EMERALD AND DAWES STREETS

SHEET 1		CITY OF SAN DIEGO ENGINEERING DEPARTMENT		2 SHEETS																	
Plans for the improvement of EMERALD STREET between the Eastern line of Cass Street and the Western line of Dawes Street, and DAWES STREET between the Northern line of Diamond Street and the Southern line of Emerald Street.																					
DESIGNED BY	DATE		DATE	SCALE	DESIGNER REVIEWED																
BY	AUG 27, 1948		AUG 27, 1948	1" = 50'																	
CHECKED BY	BY		DATE	SCALE	DESIGNER REVIEWED																
BY	AUG 27, 1948		AUG 27, 1948	1" = 50'																	
APPROVED BY	BY		DATE	SCALE	DESIGNER REVIEWED																
BY	AUG 27, 1948		AUG 27, 1948	1" = 50'																	
<table border="1"> <tr> <td>CONSTRUCTION</td> <td>RECORD</td> <td>W. O. No.</td> <td>31543</td> </tr> <tr> <td>DATE</td> <td>DATE</td> <td>NO.</td> <td></td> </tr> <tr> <td>BY</td> <td>BY</td> <td>BY</td> <td>BY</td> </tr> <tr> <td>BY</td> <td>BY</td> <td>BY</td> <td>BY</td> </tr> </table>						CONSTRUCTION	RECORD	W. O. No.	31543	DATE	DATE	NO.		BY							
CONSTRUCTION	RECORD	W. O. No.	31543																		
DATE	DATE	NO.																			
BY	BY	BY	BY																		
BY	BY	BY	BY																		



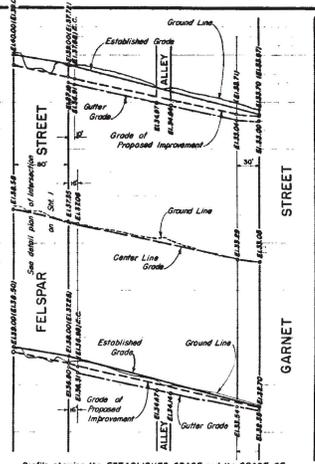


Profile showing the ESTABLISHED GRADE and the GRADE OF PROPOSED IMPROVEMENT of EMERALD STREET between the City line of Dawes Street and the City line of Everts Street.
Scale: Horizontal 1"=80' Vertical 1"=6'

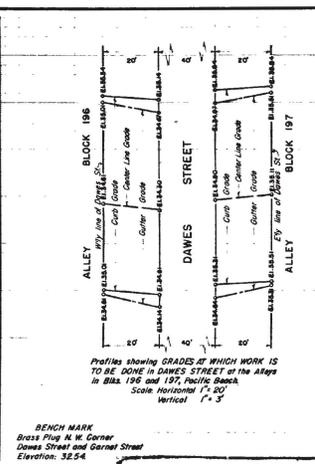


PROFILES OF CURB RETURNS AT DAWES ST and EMERALD ST.
Scale: Horizontal 1"=20' Vertical 1"=3'

NOTE: Grade of Proposed Improvement Elevations shown in parentheses thus: (45.42, 44)

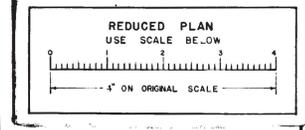
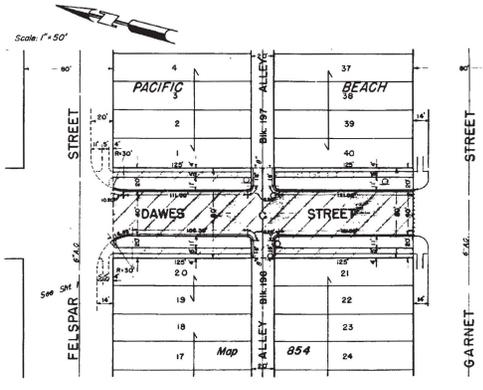
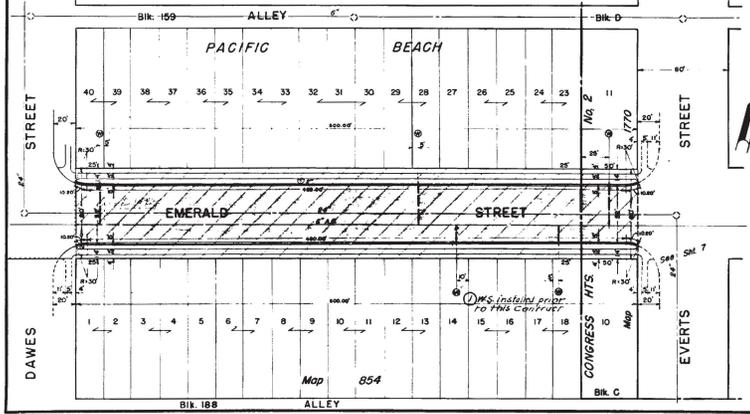


Profile showing the ESTABLISHED GRADE and the GRADE OF PROPOSED IMPROVEMENT of DAWES STREET between the City line of Felspar Street and the City line of Garnet Street.
Scale: Horizontal 1"=80' Vertical 1"=6'



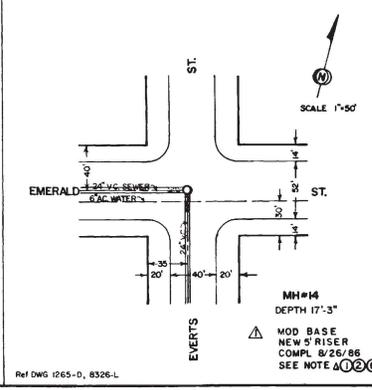
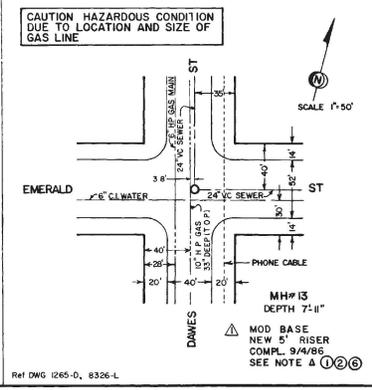
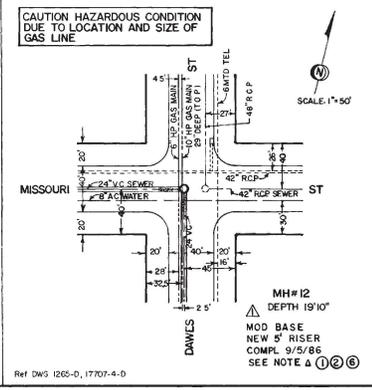
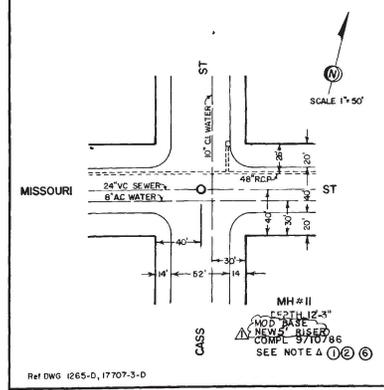
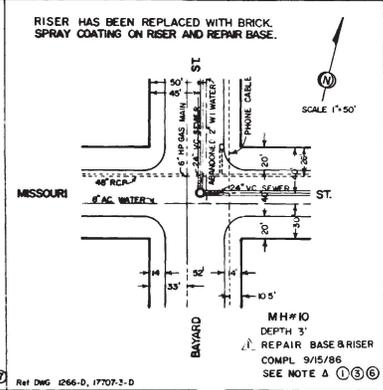
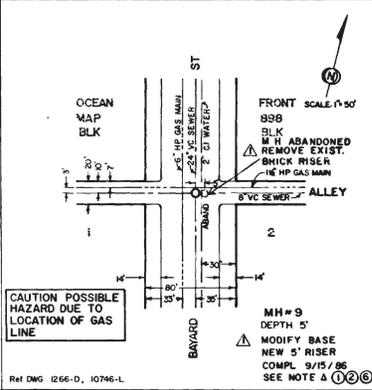
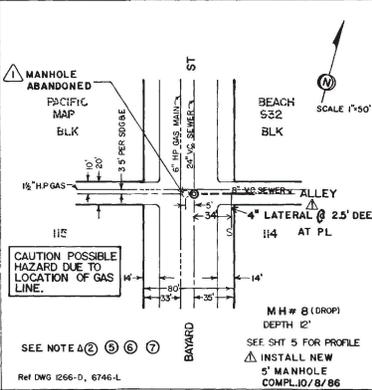
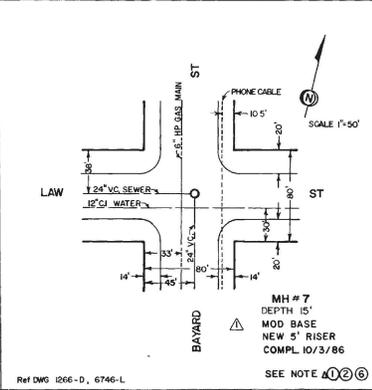
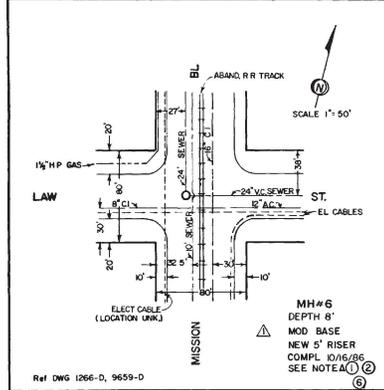
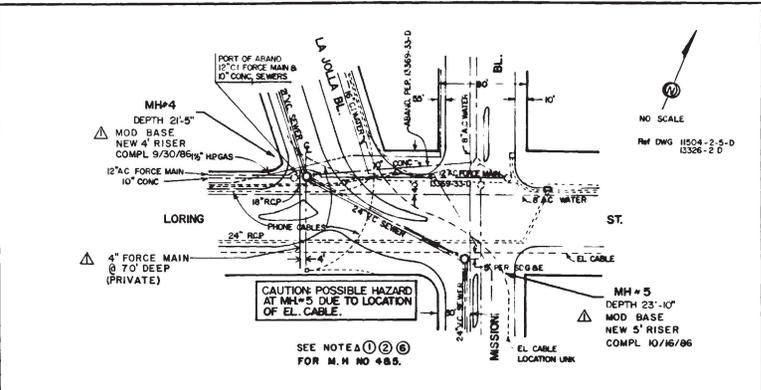
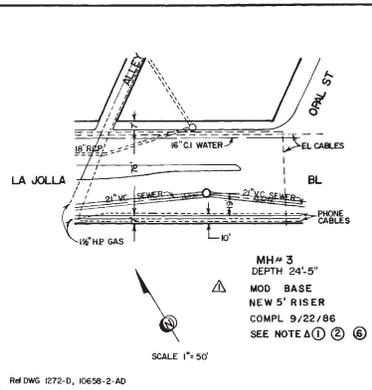
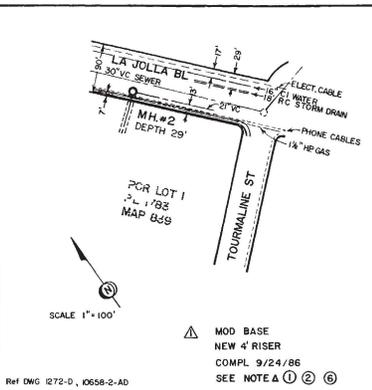
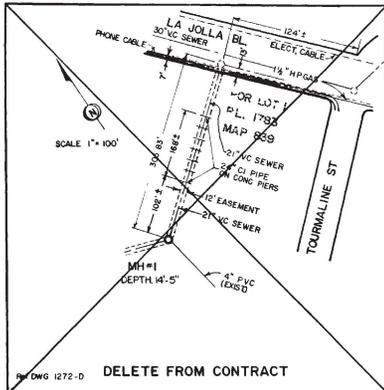
Profiles showing GRADES at WHICH WORK IS TO BE DONE in DAWES STREET at the Steps in Blocks 196 and 197, Pacific Beach.
Scale: Horizontal 1"=20' Vertical 1"=3'

BENCH MARK
Brass Plug N.W. Corner
Dawes Street and Garnet Street
Elevation: 52.54



CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

SHEET 6	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	7 SHEETS
DAWES ST. EMERALD ST. EVERTS ST. FELSPAR ST.		
DESIGNED BY C.A.L.	CHECKED BY M.P.B.	DATE 11/3/50
DRAWN BY M.P.B.		NOTED 8326 L
CONSTRUCTION RECORD PROJECT NO. 6-1-3-5-1 SHEET NO. 6-1-3-5-1 SHEET TOTAL 6-1-3-5-1		



NOTES

- ① MODIFIED OR REPAIRED MANHOLE BASE AND POLYURETHANE-COATED INTERIOR SURFACES
- ② REPLACED MANHOLE INTERIOR INSTALLED WITH PVC "T" LOCK LINER ON RISER, CONE & SHAFT

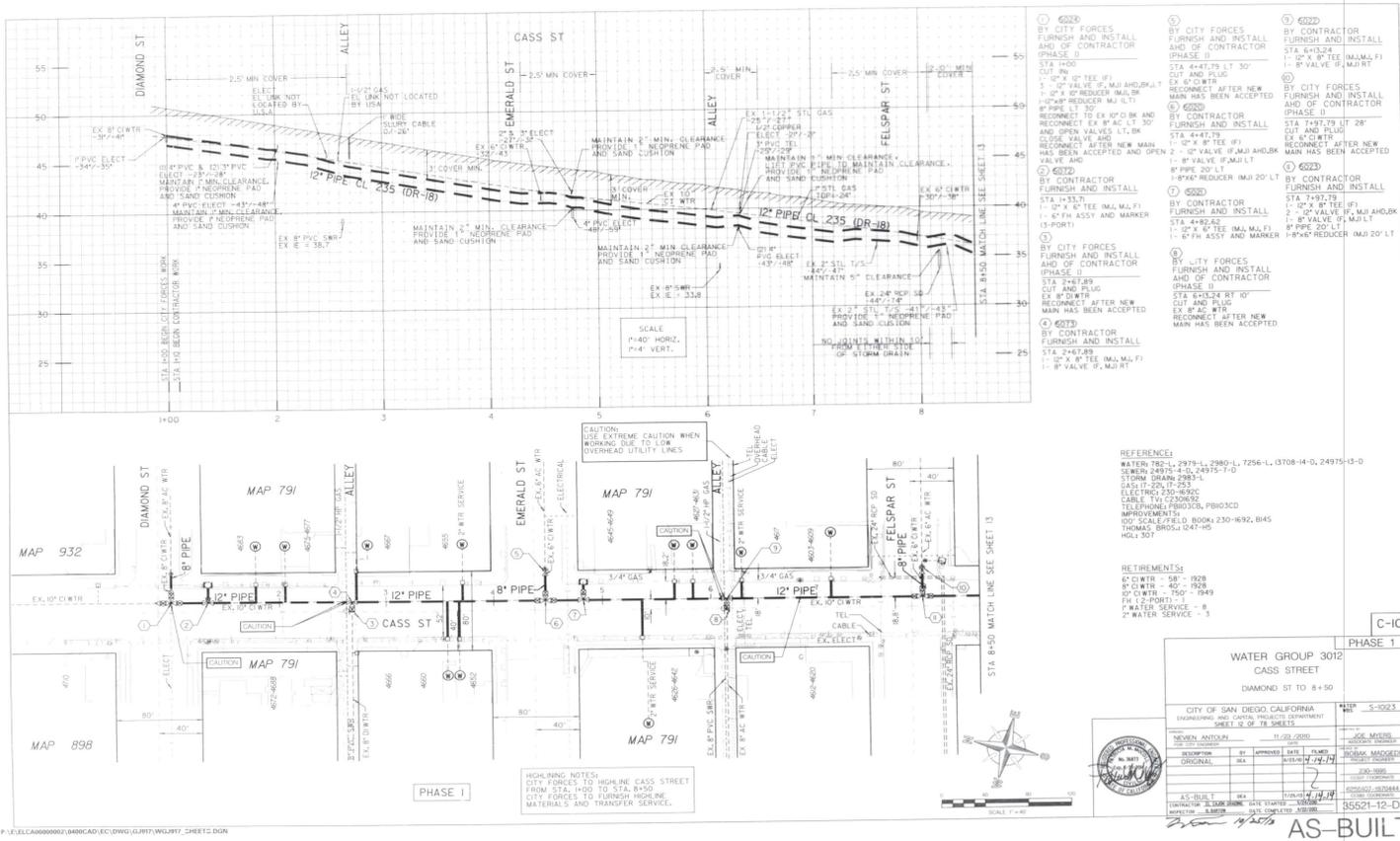
(NOTES CONTINUED ON SHEET 38.4)

RB. TRUNK SEWER M.H. REPLACEMENT PHASE I

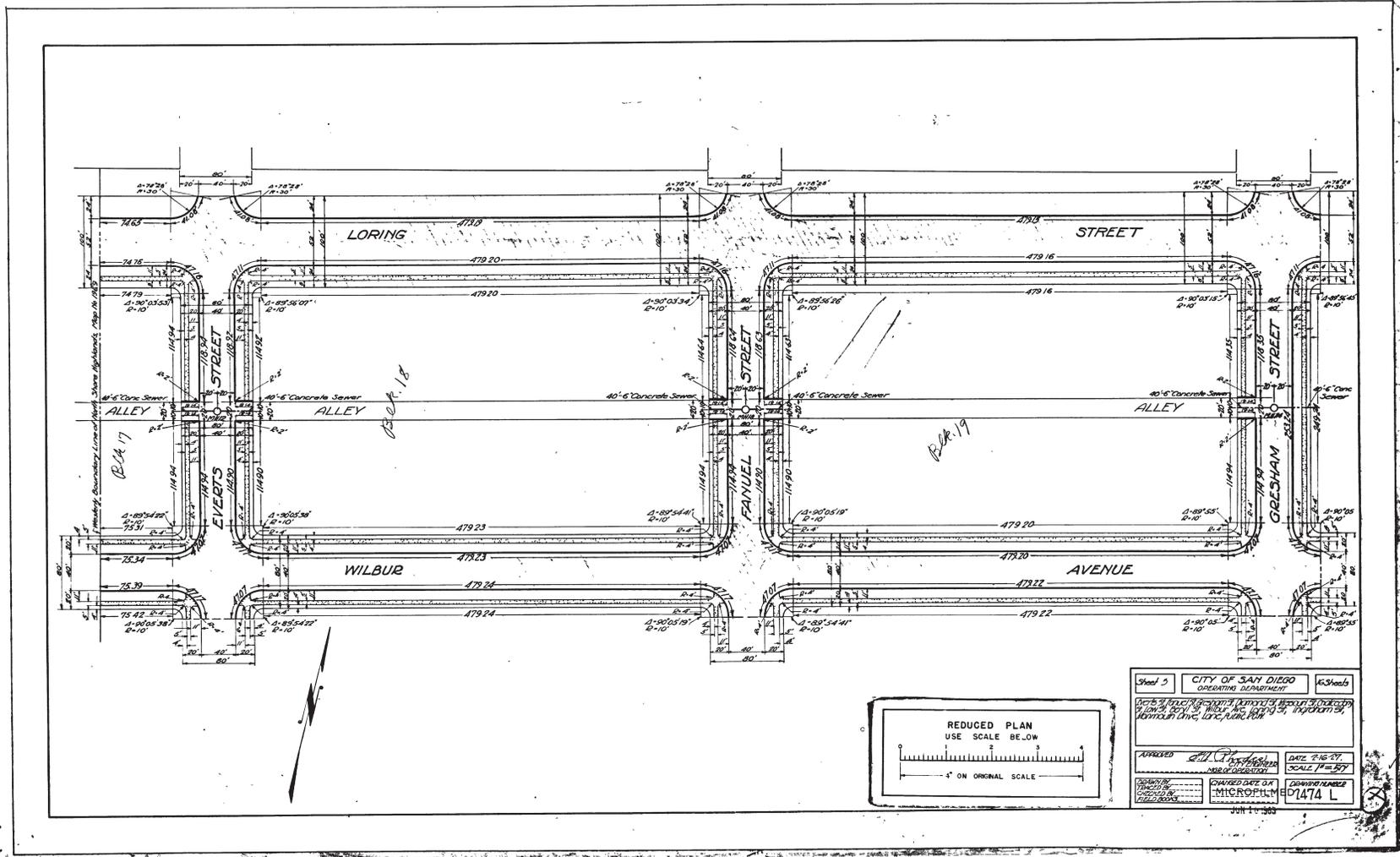
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 2 OF 7 SHEETS	EVO 147223 UWO 37249
UTILITIES DIRECTOR	DATE
DESIGNED BY	APPROVED BY
ORIGINAL	DATE
ADD "A"	DATE
AS BUILT	CONTROL CERTIFICATION
CONSTRUCTION RECORD	DATE
CONTRACTOR	DATE STARTED
INSPECTOR	DATE COMPLETED
CONNECTIONS BY	DATE

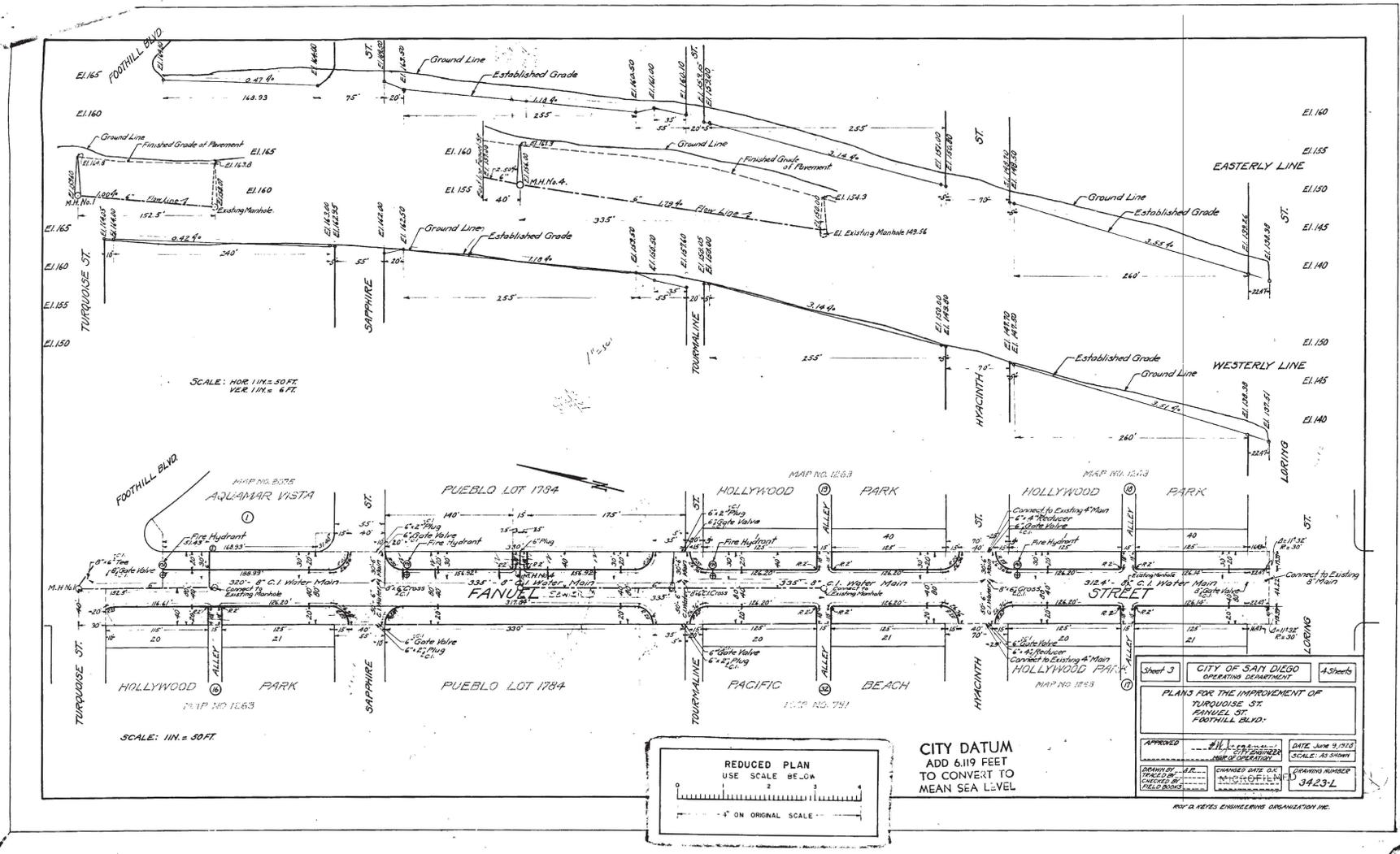
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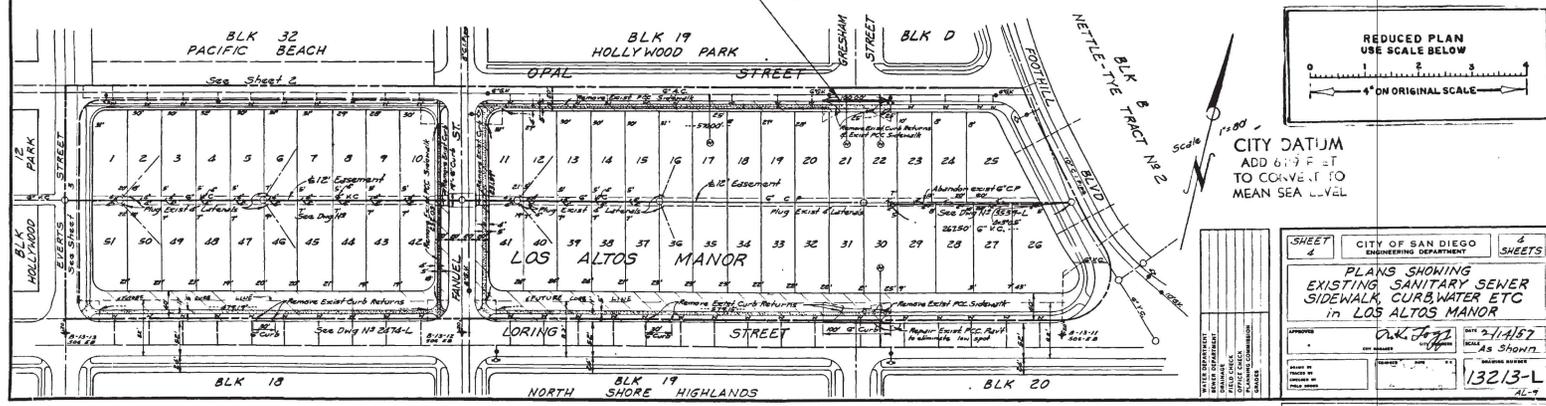
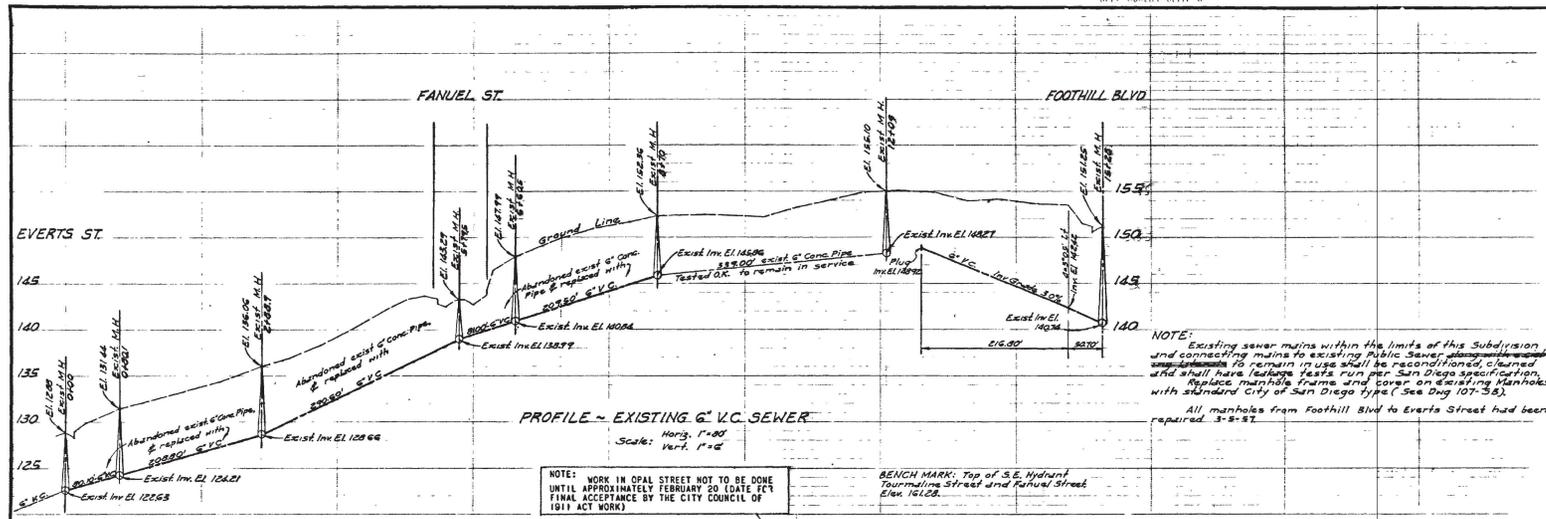
22307-2-D



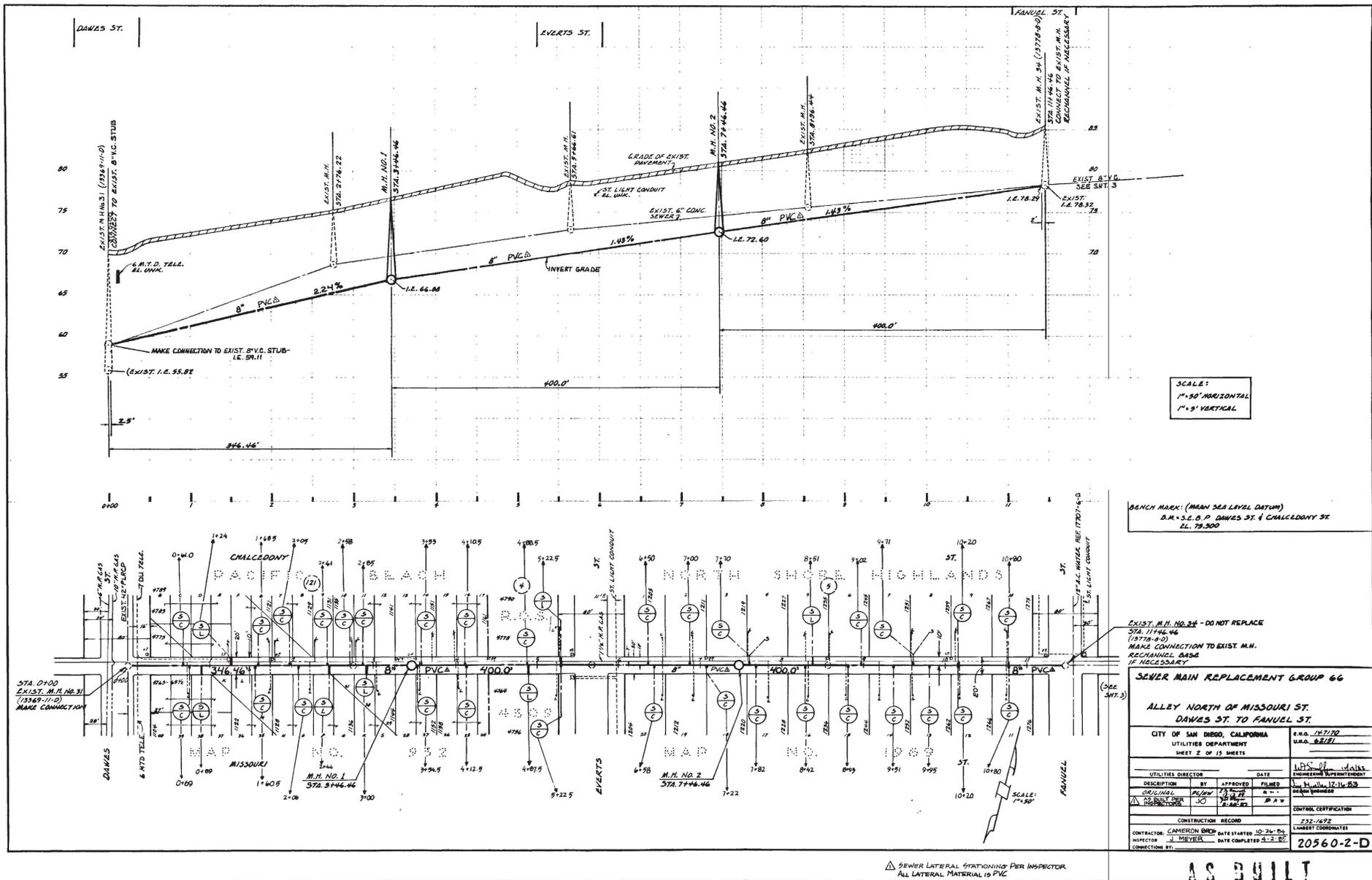
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 31 JUL 2013 16:02 jake







SHEET 4	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	4 SHEETS
PLANS SHOWING EXISTING SANITARY SEWER SIDEWALK, CURB, WATER ETC in LOS ALTOS MANOR		
DESIGNED BY DICK J. J. J.	DATE 2-1-57	AS SHOWN
PROJECT NO. 13213-L	AL-7	
CONSTRUCTION RECORD NO. 26798		
APPROVED BY CITY ENGINEER	DATE 2-1-57	PROJECT ALBULL-628-57-618
APPROVED BY CITY ENGINEER	DATE 2-1-57	PROJECT ALBULL-628-57-618



SCALE:
1"=60' HORIZONTAL
1"=5' VERTICAL

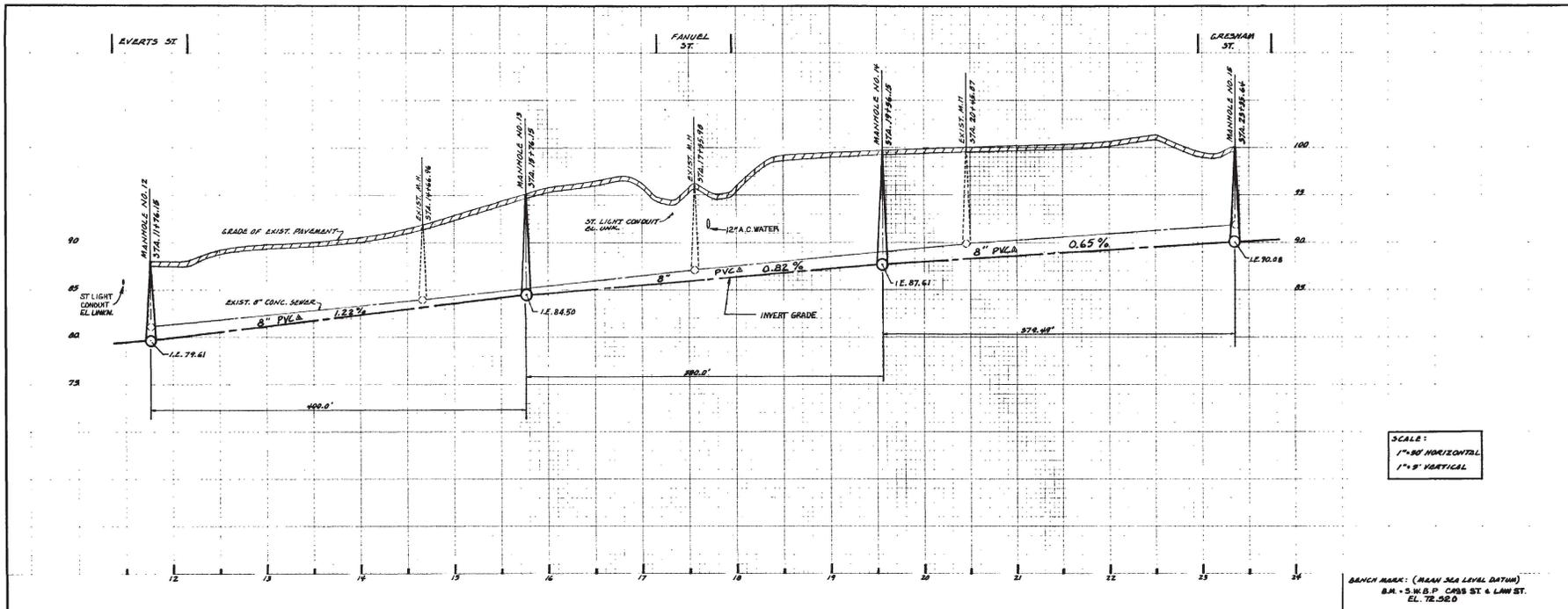
BENCH MARK: (MEAN SEA LEVEL DATUM)
D.M. S.E.O.P. DAVIES ST. & CHALCEDONY ST.
E.L. 79.300

EXIST. M.H. NO. 24 - DO NOT REPLACE
STA. 11+46.46
(1878-80)
MAKE CONNECTION TO EXIST. M.H.
RECHAMMEL BASE
IF NECESSARY

SEWER MAIN REPLACEMENT GROUP 66				
ALLEY NORTH OF MISSOURI ST. DAVIES ST. TO FANUEL ST.				
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 2 OF 15 SHEETS			D.W. 12/12/92 M.H. 02/12/92	
UTILITIES DIRECTOR _____ DATE _____			I.P.S. 01/12/93 ENGINEERING SUPERVISOR	
DESCRIPTION	BY	APPROVED	FILED	DATE
DESIGN	JG	JG	JG	12-14-92
AS BUILT PER	JG	JG	JG	12-14-92
CONSTRUCTION RECORD				
CONTRACTOR: CAMERON BIRD	DATE STARTED: 10-26-92	DATE COMPLETED: 1-2-93	CONTRACT NO. 20560-2-D	
INSPECTOR: J. MEYER			LAMBERT COORDINATES	

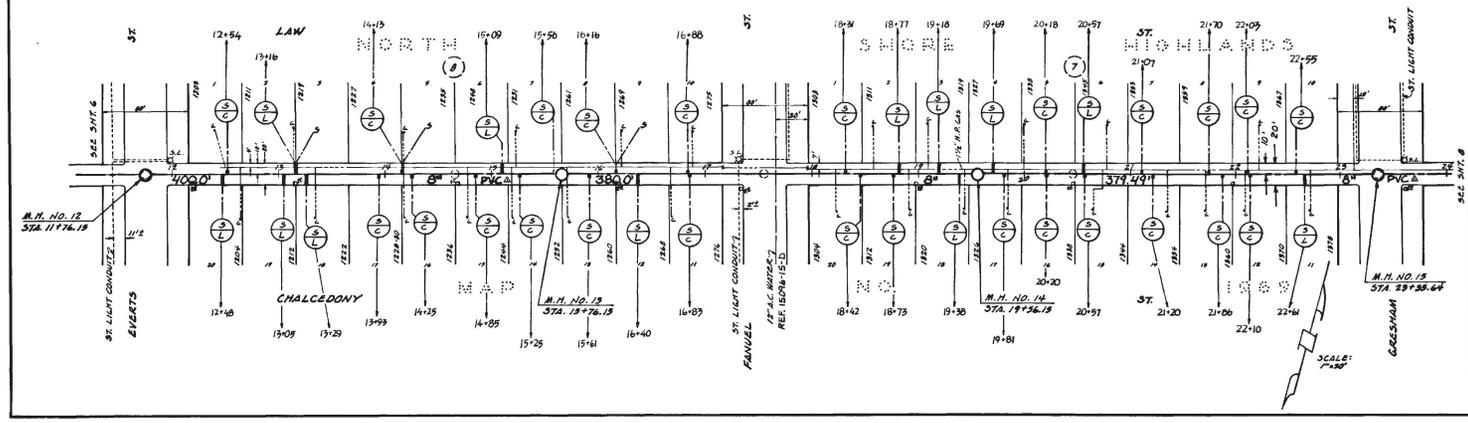
△ SEWER LATERAL STATIONING PER INSPECTOR
ALL LATERAL MATERIAL IS PVC

AS BUILT



SCALE:
 1" = 40' HORIZONTAL
 1" = 5' VERTICAL

BENCH MARK: (MEAN SEA LEVEL DATUM)
 B.M. - S.W.B.P. CORN ST & LAW ST.
 EL. 78.50



SEWER MAIN REPLACEMENT GROUP 66

**ALLEY NORTH OF CHALCEDONY ST
 EVERETS ST. TO GRESHAM ST.**

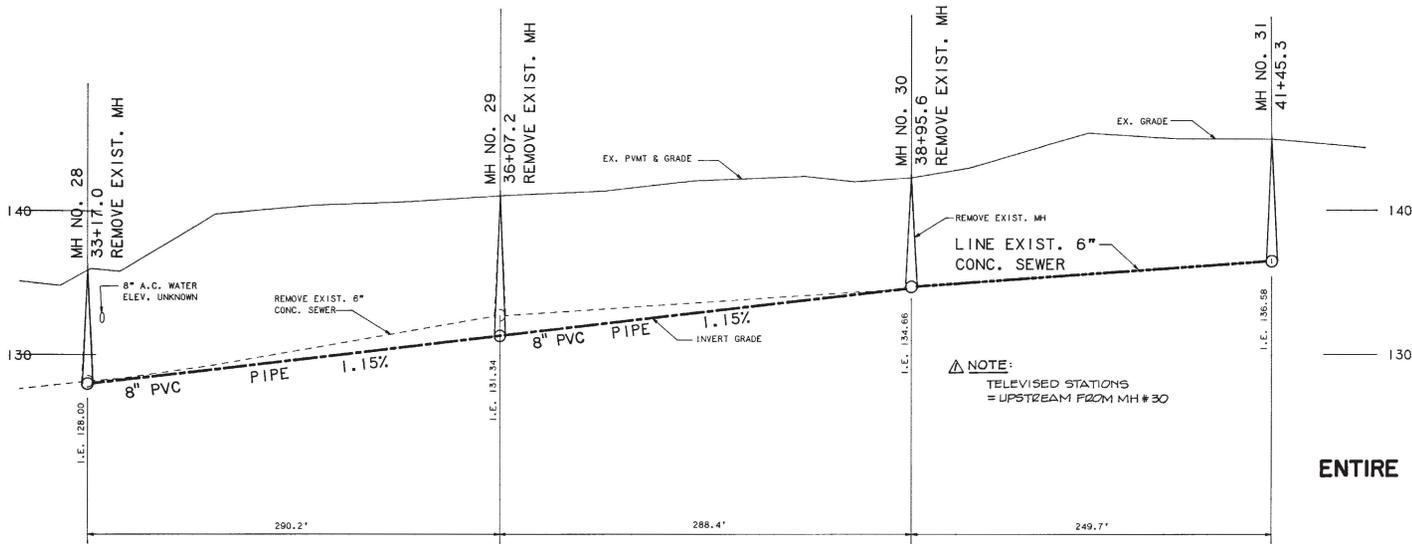
CITY OF SAN DIEGO, CALIFORNIA
 UTILITIES DEPARTMENT
 SHEET 7 OF 13 SHEETS

UTILITIES DIRECTOR	DATE	WPS 10 11/13
DESCRIPTION	APPROVED	FILED
DESIGNED BY	DATE	12-14-00
CHECKED BY	DATE	12-14-00
CONTRACTOR	DATE	12-14-00
CONTRACT NO.	DATE	12-14-00
INSPECTOR	DATE	12-14-00
CONNECTIONS BY	DATE	12-14-00

SEWER LATERAL STATIONING PER INSPECTOR
 ALL LATERAL MATERIAL IS PVC

A'S BUILT

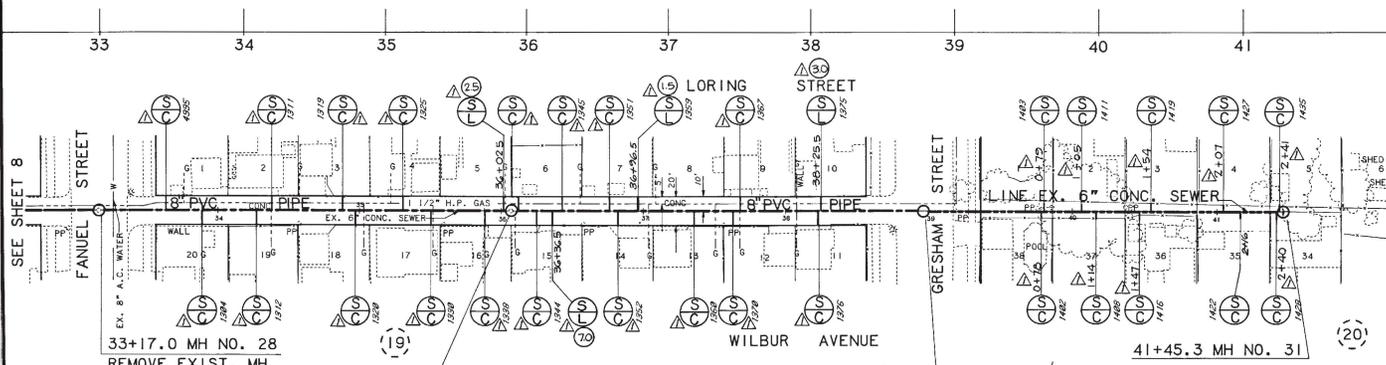
ALLEY AND EASEMENT N. OF WILBUR AVE.



NOTE:
 TELEVISED STATIONS
 = UPSTREAM FROM MH # 30

ENTIRE SHEET SCHEDULE I

SCALES:
 HORIZ. 1"=40'
 VERT. 1"=4'



REFERENCE DRAWINGS
 SEWER: 394-D, 411-D, 4164-L
 GAS: 29/363, 29/362
 WATER: 18256-4-D

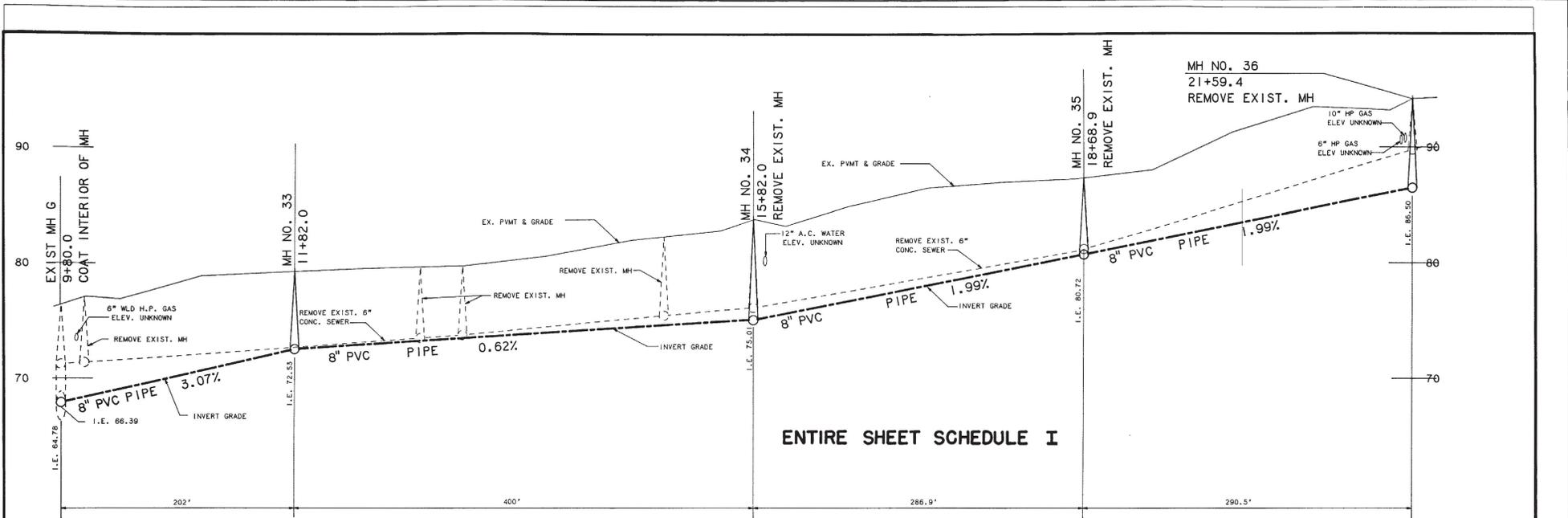
BENCHMARK
 NWBP BAYARD ST & BERYL ST
 EL = 73.381 MSL



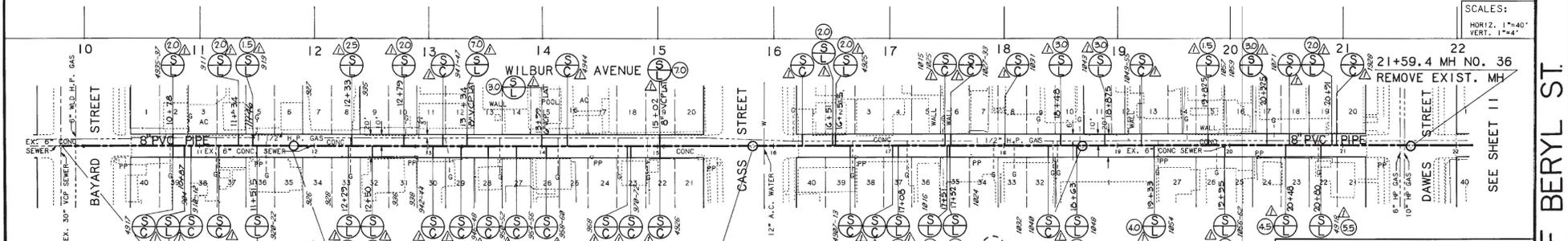
NBS/LOWRY
 ENGINEERS & PLANNERS
 10200 Via Promer • P.O. Box 28100 • San Diego, CA 92128-0100 • (619) 455-1000
 Bruce Blanchard 4-25-92
 BRUCE BLANCHARD RCE 27709 DATE

SEWER MAIN REPLACEMENT GROUP 86			
ALLEY N. OF WILBUR AVE FROM FANUEL ST TO GRESHAM ST AND EASEMENT N. OF WILBUR AVE FROM GRESHAM ST 250' EASTERLY			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT		SHEET NO. 2 OF 2 SHEETS	
ASST. UTILITIES DIRECTOR		DATE	APPROVED
DESCRIPTION		BY	APPROVED
ORIGINAL		DATE	FILED
CONTROL CERTIFICATION			
AS-BUILT	NBS/L	DATE	24309-9-D
CONTRACT SOURCE/EMPLOYMENT NUMBER		DATE COMPLETED	24309-9-D

AS-BUILT ADDENDUM "B" 14 OF 27



ENTIRE SHEET SCHEDULE I



SCALES:
HORIZ. 1"=40'
VERT. 1"=4'

REFERENCE DRAWINGS
SEWER: 395-D, 416-D, 13369-12-D
GAS: 17/335, 17/336
WATER: 15096-14-D

BENCHMARK
NWP BAYARD ST & BERYL ST
EL = 73.381 MSL

PACIFIC BEACH SUB
MAP 932

MAP SCALE 1"=40'
0 40 80 120 FEET



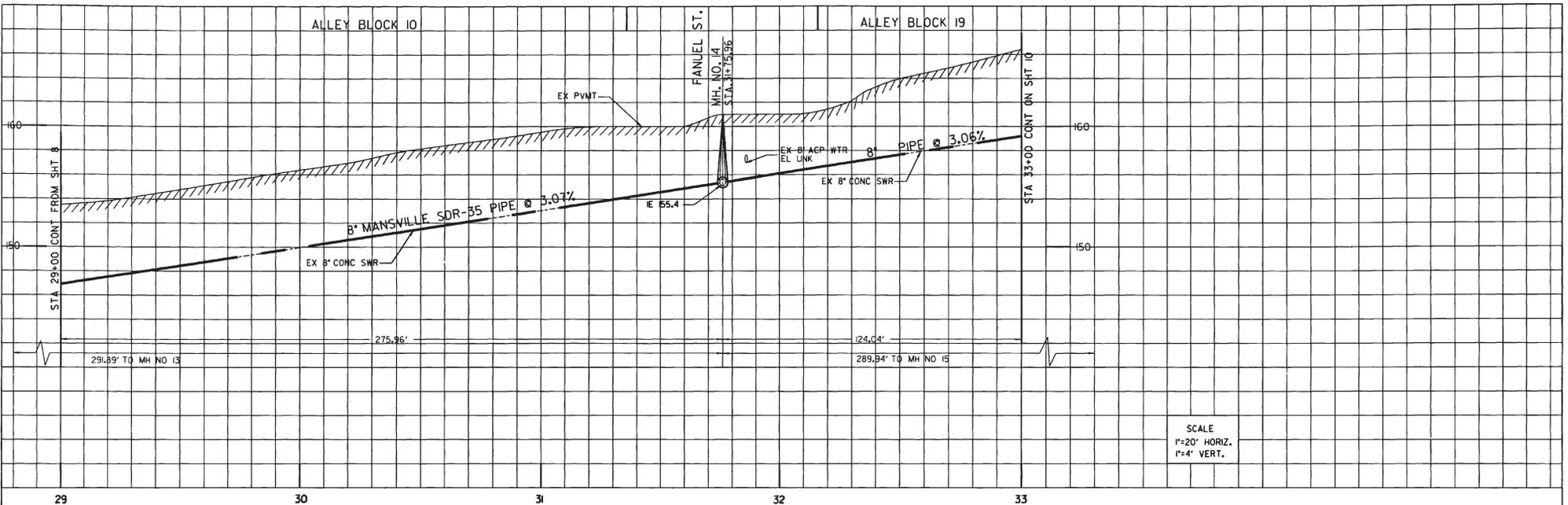
NBS/LOWE
ENGINEERS & PLANNERS
1902 Via Foresta • P.O. Box 26100 • San Diego, CA 92162-0100 • (619) 485-1000
Bruce Blanchard RCE 27708 DATE 4-25-81

SEWER MAIN REPLACEMENT
GROUP 86
ALLEY N. OF BERYL ST FROM BAYARD ST
TO DAWES ST

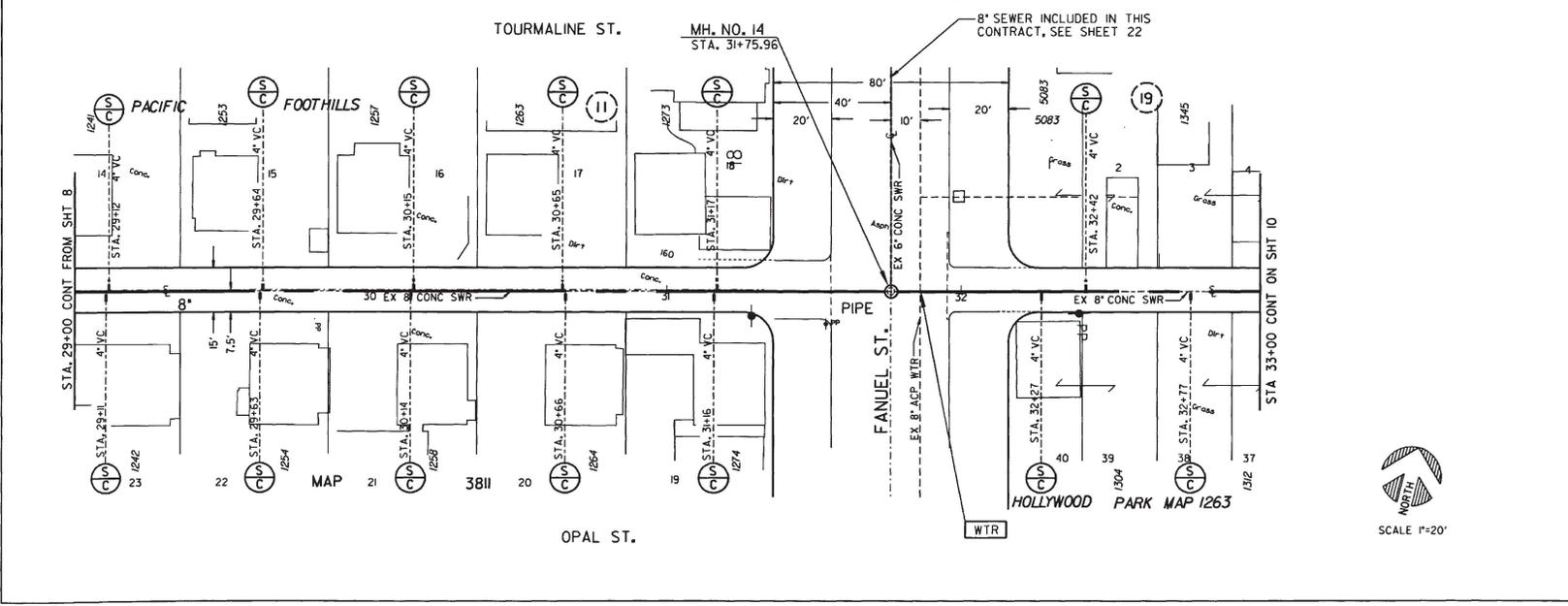
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 11 OF 22 SHEETS		W.D. NO. 170731
ASST. UTILITIES DIRECTOR	DATE	W.D. NO.
DESCRIPTION	BY	APPROVED
DATE	FILED	DATE
AS-BUILT		232-1689
CONTRACTOR'S SOURCE & QUALITY DATA SHEET		232-1689
SUPERVISOR: R. MATIAS		DATE COMPLETED: 2-04-82
		24309-10-D

AS-BUILT ADDENDUM "B" 15 OF 27

ALLEY N. OF BERYL ST.



SCALE
 1"=20' HORIZ.
 1"=4' VERT.



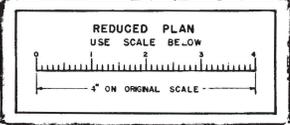
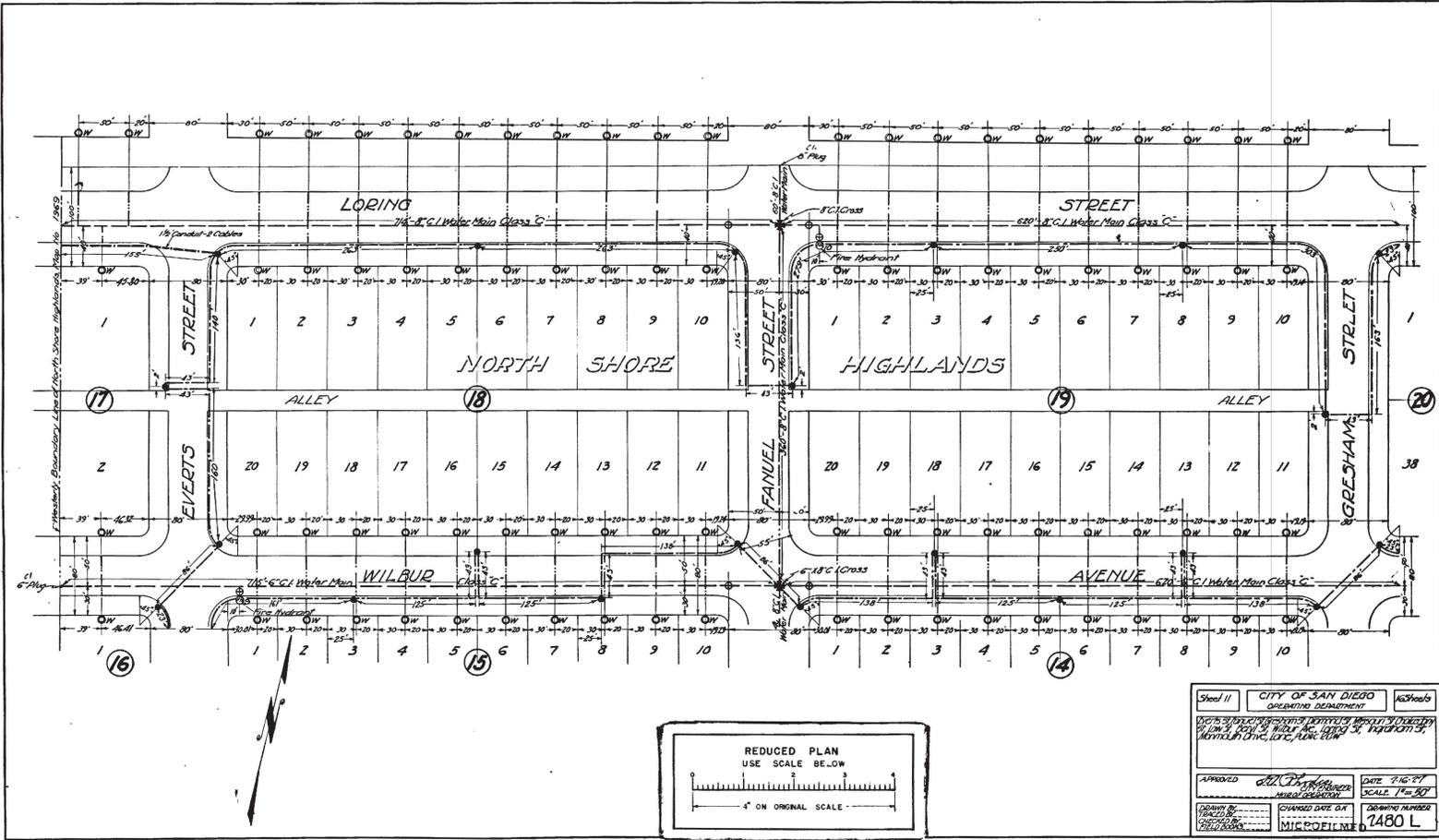
REFERENCE:
 BENCH MARK: NE BRASS PLUG MISSION BLVD & MISSOURI ST. EL. 47.05 MSL PER UG 93 BY WENTWORTH, 7-31-89
 FIELD NOTES: WENTWORTH, 234-1689, 7-23-90
 WO 171921, 5 OF 23
 WATER: 18256-5-D
 SEWER: 4444-D, 402-D
 SEWER GATE: 800K; B-13
 100' SCALE: 234-1692
 THOMAS BROS., PG 52, A3

RETIREMENT:
 400' 8" CONC SEWER, 1928

SEWER AND WATER GROUP 96			
ALLEY BTWN TOURMALINE AND OPAL E/O & W/O FANUEL STA. 29+00 TO 33+00			
CITY OF SAN DIEGO, CALIFORNIA		WATER	181481
UTILITIES DEPARTMENT		SEWER	171921
SHEET 9 OF 44 SHEETS			
ASST. UTILITIES DIRECTOR	DATE	DESIGNER	QUALITY DIRECTOR
DZ/KS	7-23-94	Wentworth	Wentworth
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	DZ/KS	7-23-94	10-08-94
DESIGNER	ATD	7-23-94	
CONTROL CERTIFICATION			234-1692
CONTRACTOR			LABERT COORDINATES
INSPECTOR			26046-9-D

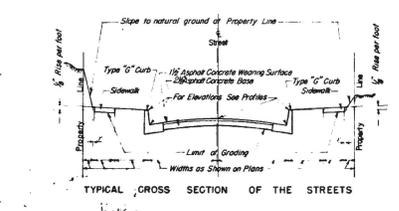
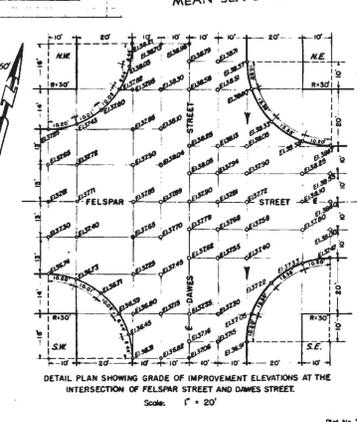
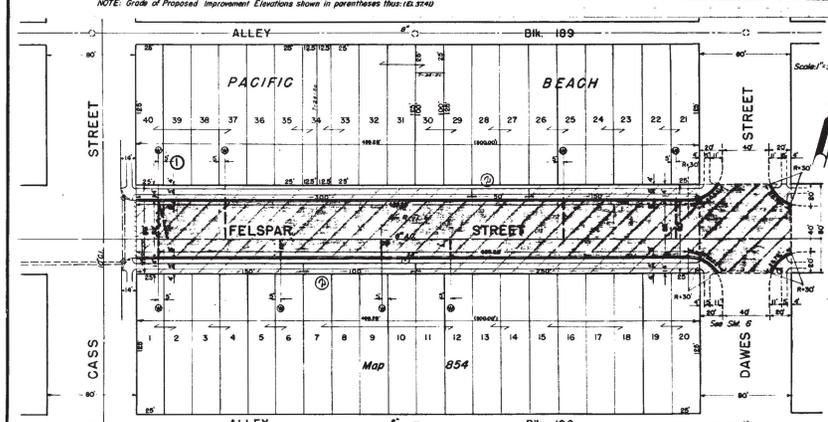
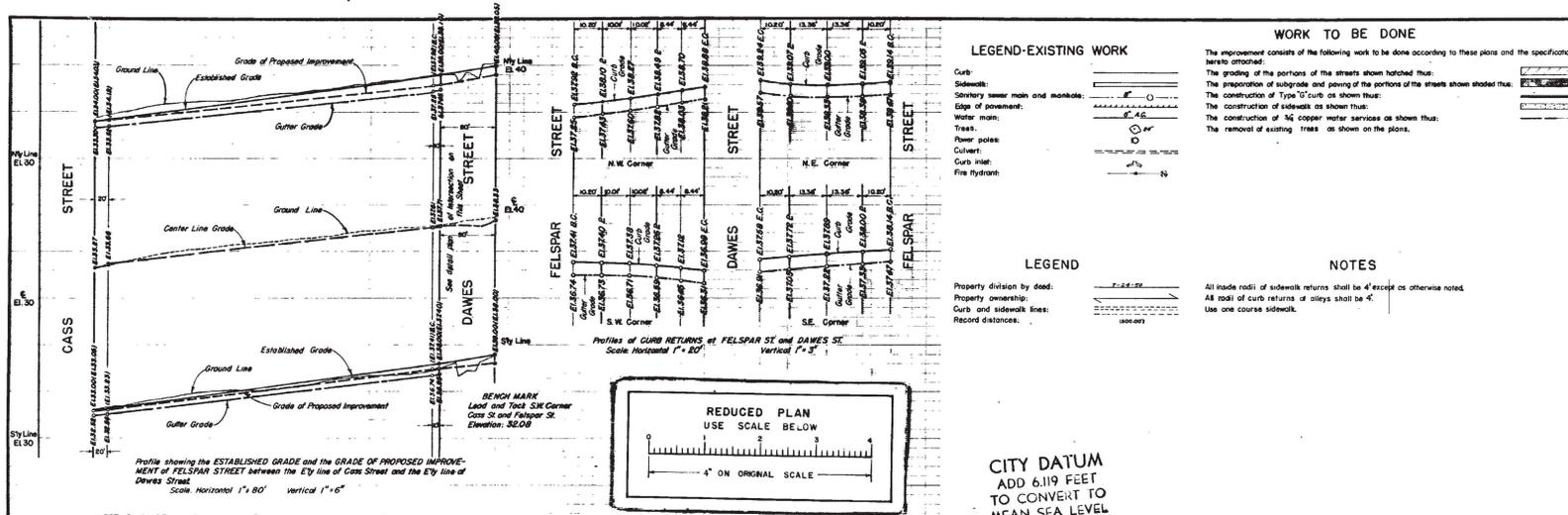


SCALE 1"=20'

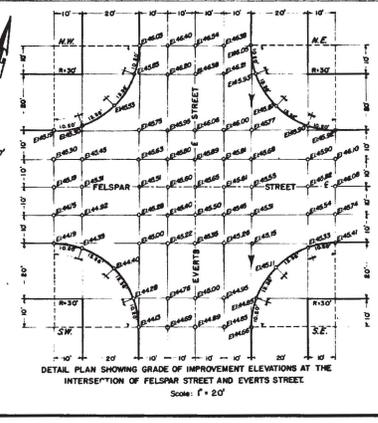
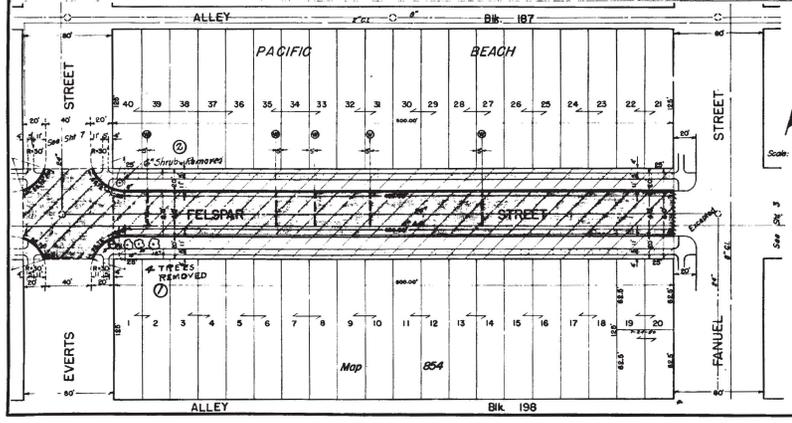
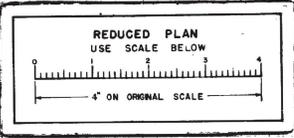
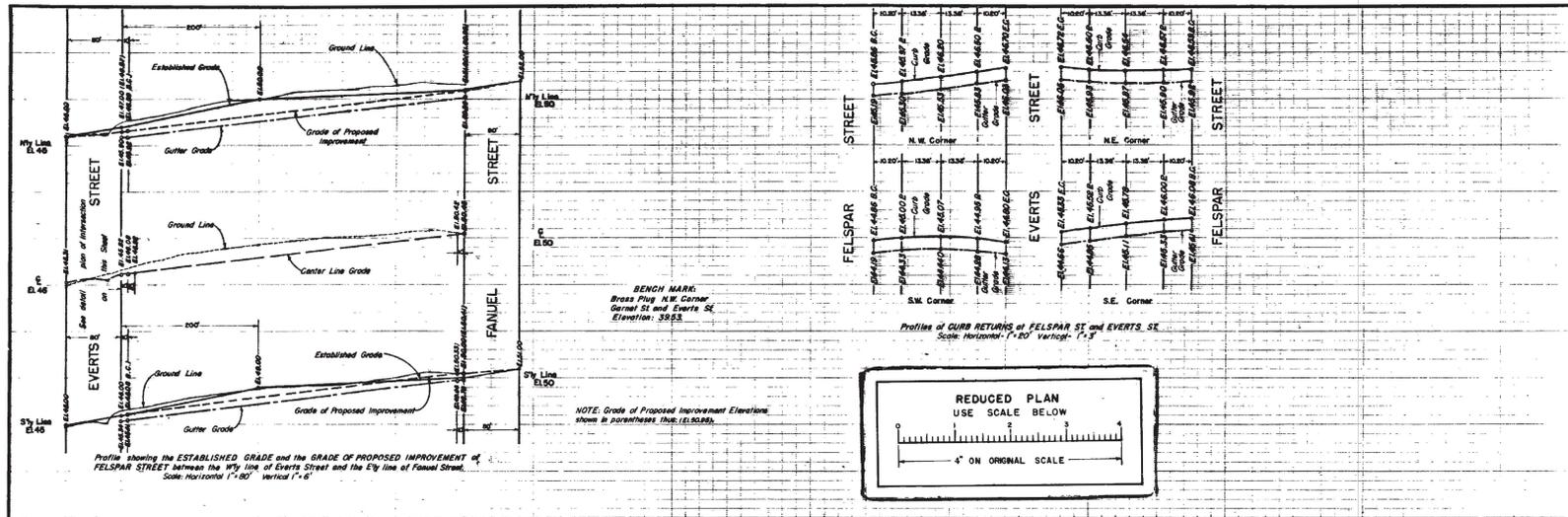


Sheet 11	CITY OF SAN DIEGO OPERATIONS DEPARTMENT	Walters
<small>DATE: 7/16/83 DRAWN BY: [Signature] CHECKED BY: [Signature] DESIGNED BY: [Signature]</small>		
APPROVED: [Signature]	DATE: 7/16/83	SCALE: 1"=20'
PROJECT NO. 1018A	CHANGED DATE: N/A	DRAWING NUMBER: 2480 L
<small>DATE: 7/16/83 MICROFILM</small>		

JUN 10 1983

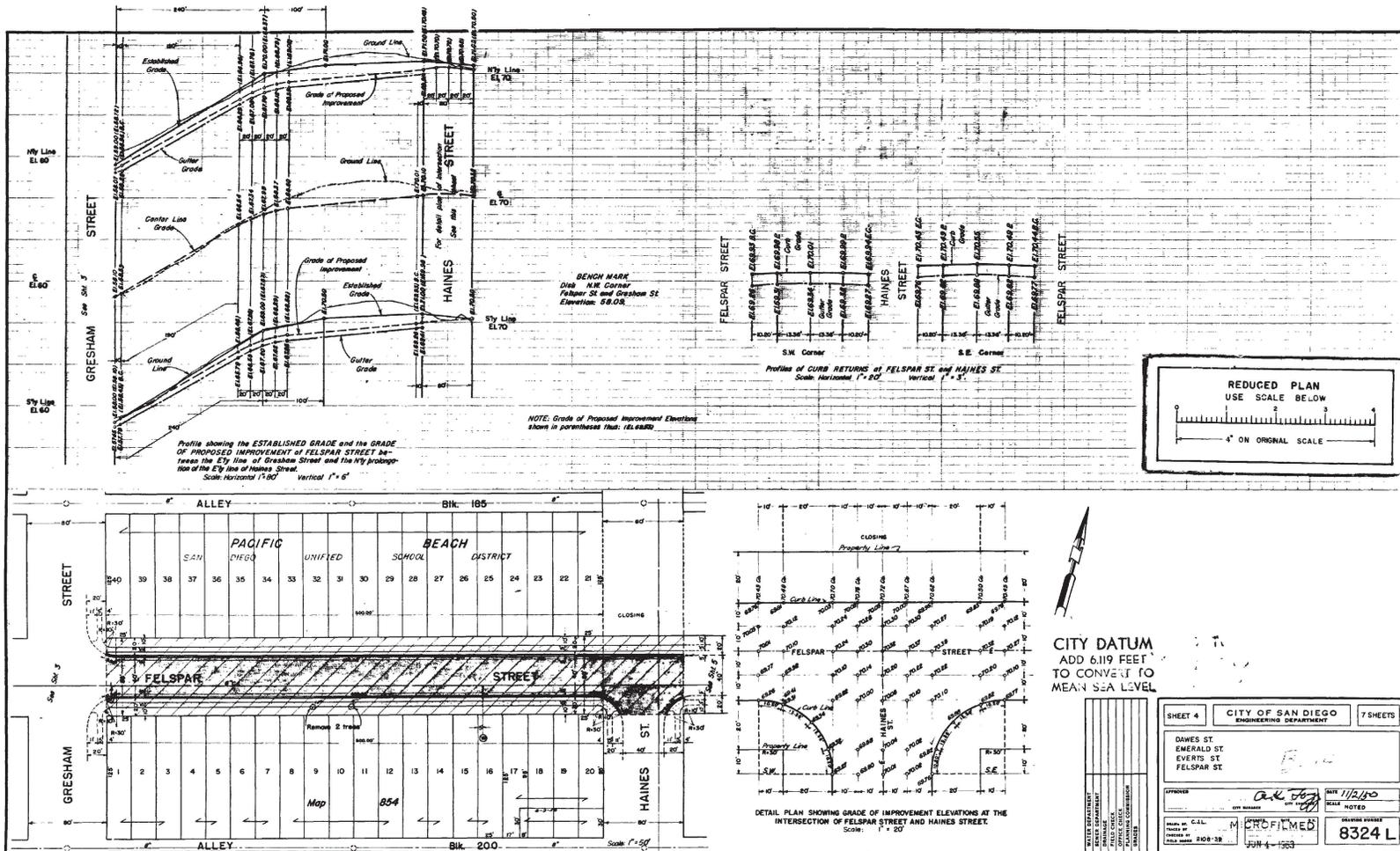


SHEET 1		CITY OF SAN DIEGO ENGINEERING DEPARTMENT		7 SHEETS	
Plans for the improvement of DAWES STREET between the City line of Felspar Street and the City line of Emerald Street, EMERALD STREET between the Ely line of Dawes Street and the City line of Everts Street, EVERTS STREET between the City line of Diamond Street and the City line of Felspar Street and FELSPAR STREET between the Ely line of Cass Street and the Ely line of Dawes Street and between the City line of Everts Street and the center line of Ingraham Street.					
APPROVED	<i>[Signature]</i>	DATE	7/10/30	ISSUED NUMBER	8321 L
DESIGNED BY	W. O. G. R. 31445	CHECKED BY	W. O. G. R. 31445	DATE	JUN 1 1933
CONSTRUCTION RECORD	W. O. G. R. 31445	ENGINEER	SENNIS	INSPECTOR	GREER
DATE ISSUED	6-1-30	PROJECT	10-1681-1170	DATE REVISION	10-12-31
Prepared and Checked by G.S.					

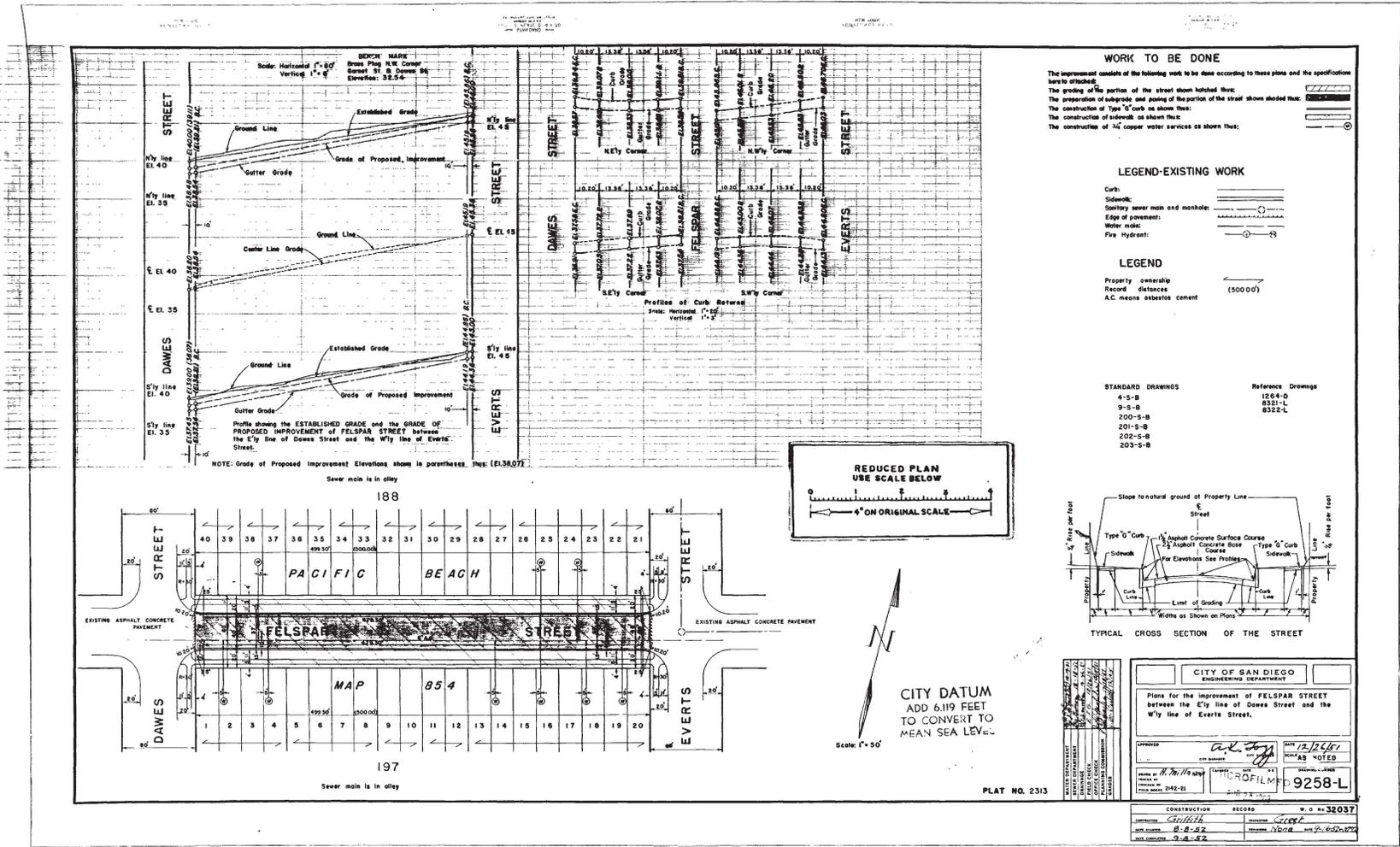


CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

SHEET 2 CITY OF SAN DIEGO ENGINEERING DEPARTMENT 7 SHEETS	DAWES ST EMERALD ST EVERTS ST FELSPAR ST	5-14
APPROVED: [Signature] DATE: 11/2/00 REVISION: AS NOTED	DRAWN BY: C.J.L. CHECKED BY: [Signature] DATE: 11/2/00	MICROFILMED 8322 L
CONSTRUCTION RECORD W. O. N. 31445	DESIGNER: DENNIS CHECKED: GREEN	DATE: 11/2/00



SHEET 4		CITY OF SAN DIEGO		7 SHEETS	
ENGINEERING DEPARTMENT		DAWES ST		EMERALD ST	
EVERETT ST		FELSPAR ST			
OFFICER	<i>A.K. [Signature]</i>	DATE	11/2/40	SCALE	NOTED
MADE BY	C.A.L.	PROJECT NO.	8324 L	DATE	JUN 4 1938
DESIGNED BY		APPROVED BY		REVISIONS	
CONSTRUCTION RECORD	W. O. No. 31445		APPROVED BY: GREEN		
DATE	6-13-38	REVISIONS	NONE, see 12-16-38 p. 015		
DATE	10-15-51				



Scale: Horizontal 1"=50'
Vertical 1"=4'

BENCH MARK
Braz. Peg N.W. Corner
Corner St. & Dawes St.
Elevation: 52.54'

Profile showing the ESTABLISHED GRADE and the GRADE OF PROPOSED IMPROVEMENT OF FELSPAR STREET between the E'ty line of Dawes Street and the W'ty line of Everts Street.

NOTE: Grade of Proposed Improvement Elevations shown in parentheses, feet: (E1.35-0.7)

Sever main is in alley

REDUCED PLAN
USE SCALE BELOW

4" ON ORIGINAL SCALE

CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

Scale: 1"=50'

WORK TO BE DONE

The improvement consists of the following work to be done according to these plans and the specifications here to attached:

- The grading of the portion of the street shown hatched thus: [Hatched Box]
- The preparation of subgrade and paving of the portion of the street shown shaded thus: [Shaded Box]
- The construction of Type "G" curb as shown thus: [Curb Symbol]
- The construction of sidewalk as shown thus: [Sidewalk Symbol]
- The construction of 1/2" copper water services as shown thus: [Water Service Symbol]

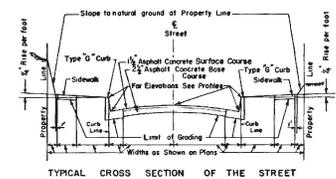
LEGEND-EXISTING WORK

Curb: [Symbol]
Sidewalk: [Symbol]
Sewer main and manhole: [Symbol]
Edge of pavement: [Symbol]
Water main: [Symbol]
Fire Hydrant: [Symbol]

LEGEND

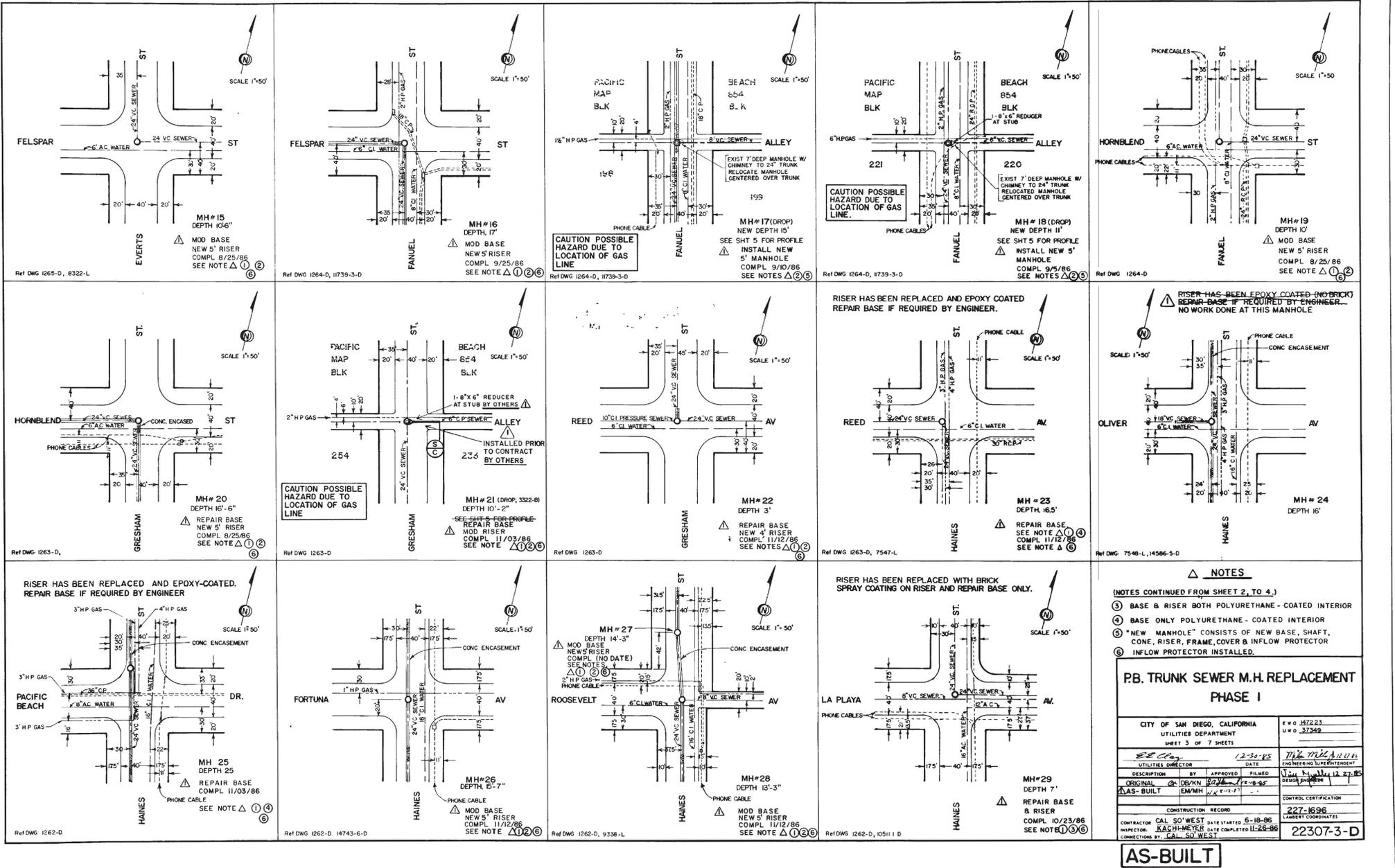
Property ownership [Symbol]
Record distances [Symbol] (500.00')
A.C. means asbestos cement [Symbol]

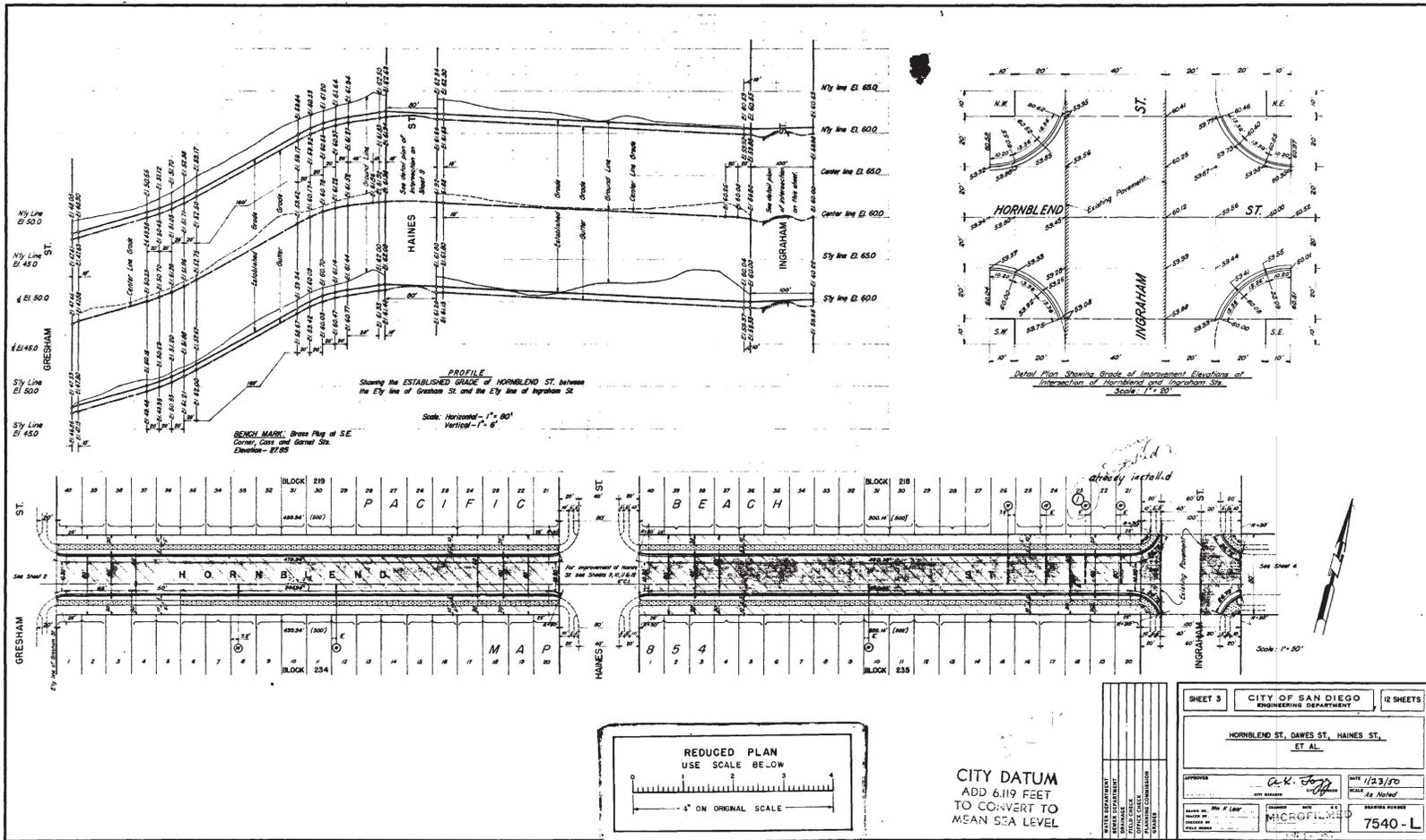
STANDARD DRAWINGS	Reference Drawings
4-S-B	1254-D
9-S-B	833-L
200-S-B	8322-L
201-S-B	
202-S-B	
203-S-B	

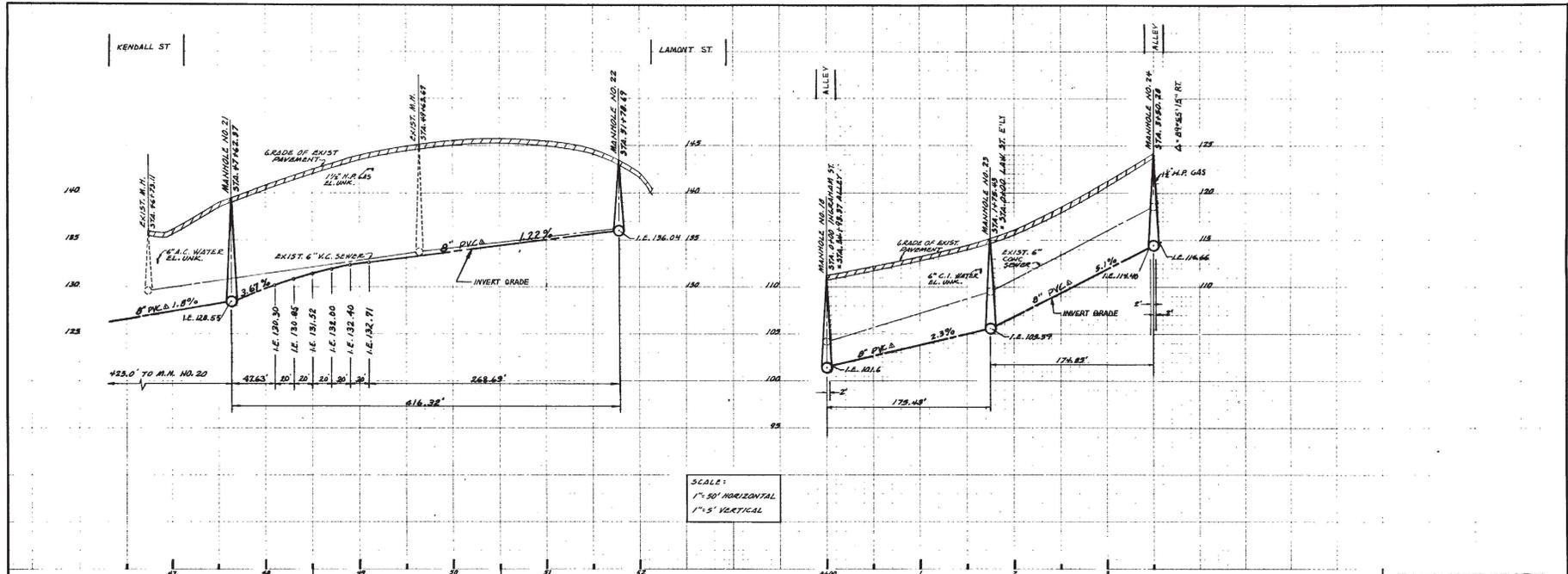


TYPICAL CROSS SECTION OF THE STREET

CITY OF SAN DIEGO ENGINEERING DEPARTMENT	
Plans for the improvement of FELSPAR STREET between the E'ty line of Dawes Street and the W'ty line of Everts Street.	
APPROVED: [Signature]	DATE: 12/24/57
DESIGNED BY: [Signature]	SCALE: AS NOTED
DRAWN BY: [Signature]	CHECKED BY: [Signature]
PROJECT NO. 2942-21	MICROFILM NO. 9258-L
CONSTRUCTION RECORD W. O. No. 32037	
APPROVED: [Signature]	RECORDED: [Signature]
DATE: 8-8-52	RECORDED: [Signature]
BY: [Signature]	DATE: 7-6-52



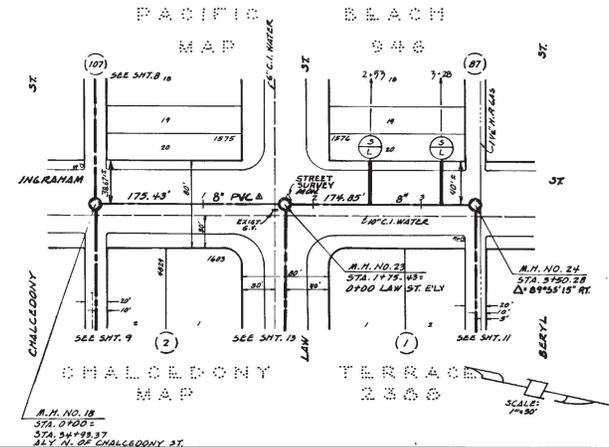
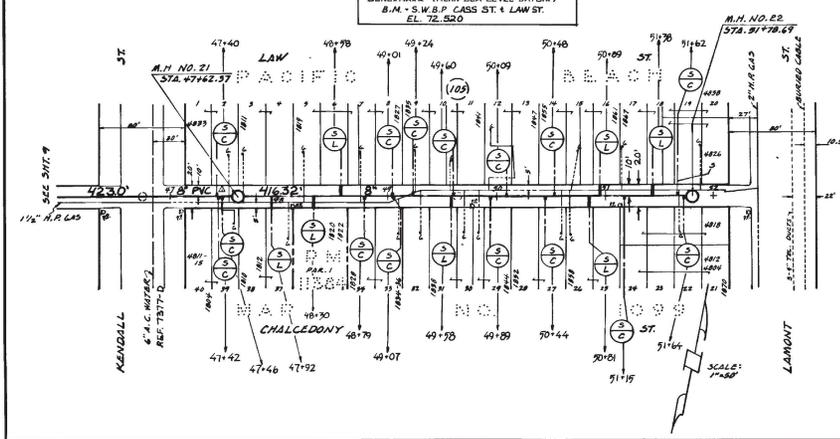




SCALE:
1"=50' HORIZONTAL
1"=5' VERTICAL

BENCHMARK (MEAN SEA LEVEL DATUM)
B.M. S.W.B.P. CASS ST. & LAW ST.
E.L. 76.520

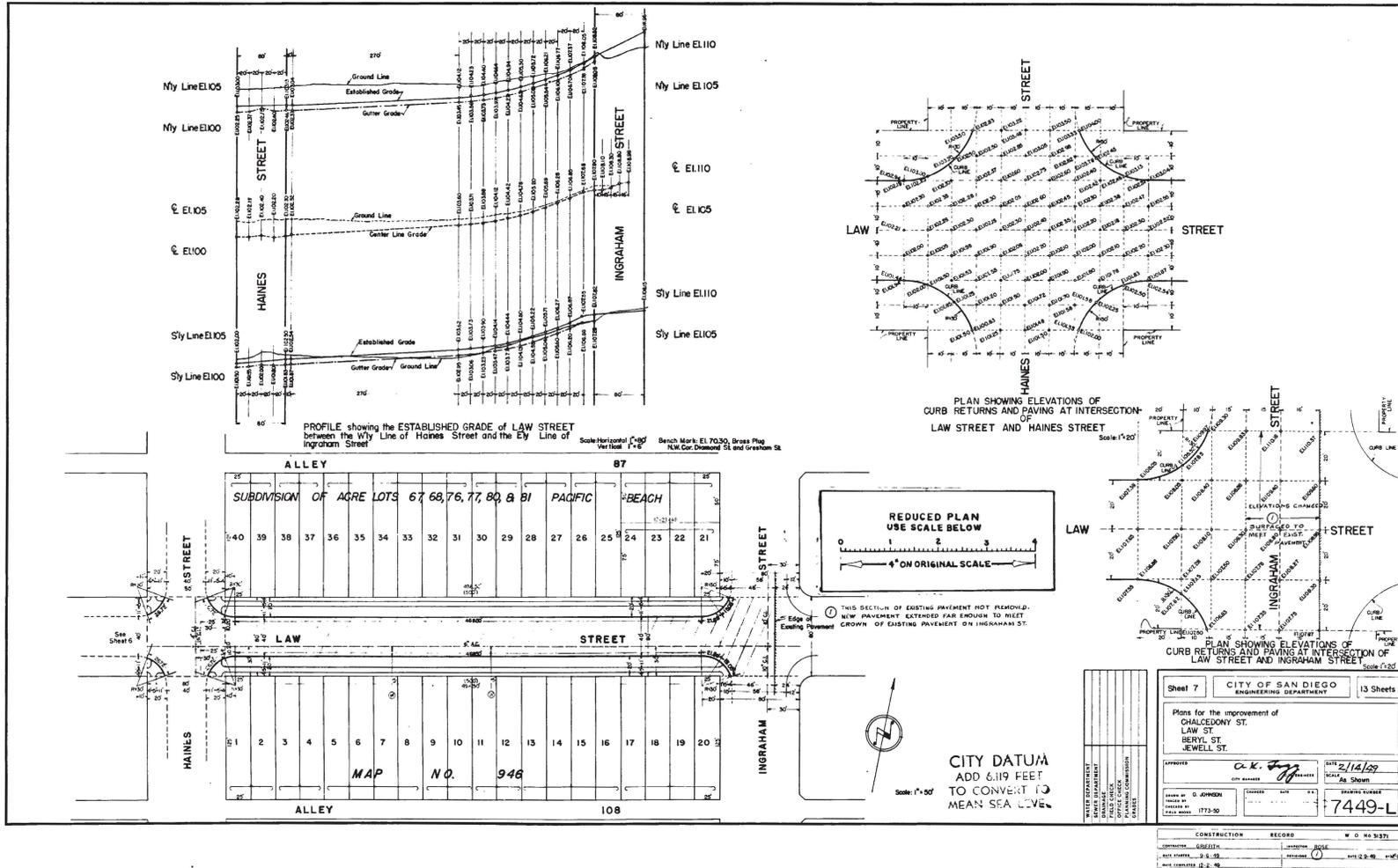
BENCHMARK (MEAN SEA LEVEL DATUM)
B.M. S.P. INGRAM ST. & CHALCEDONY ST.
E.L. 109.211

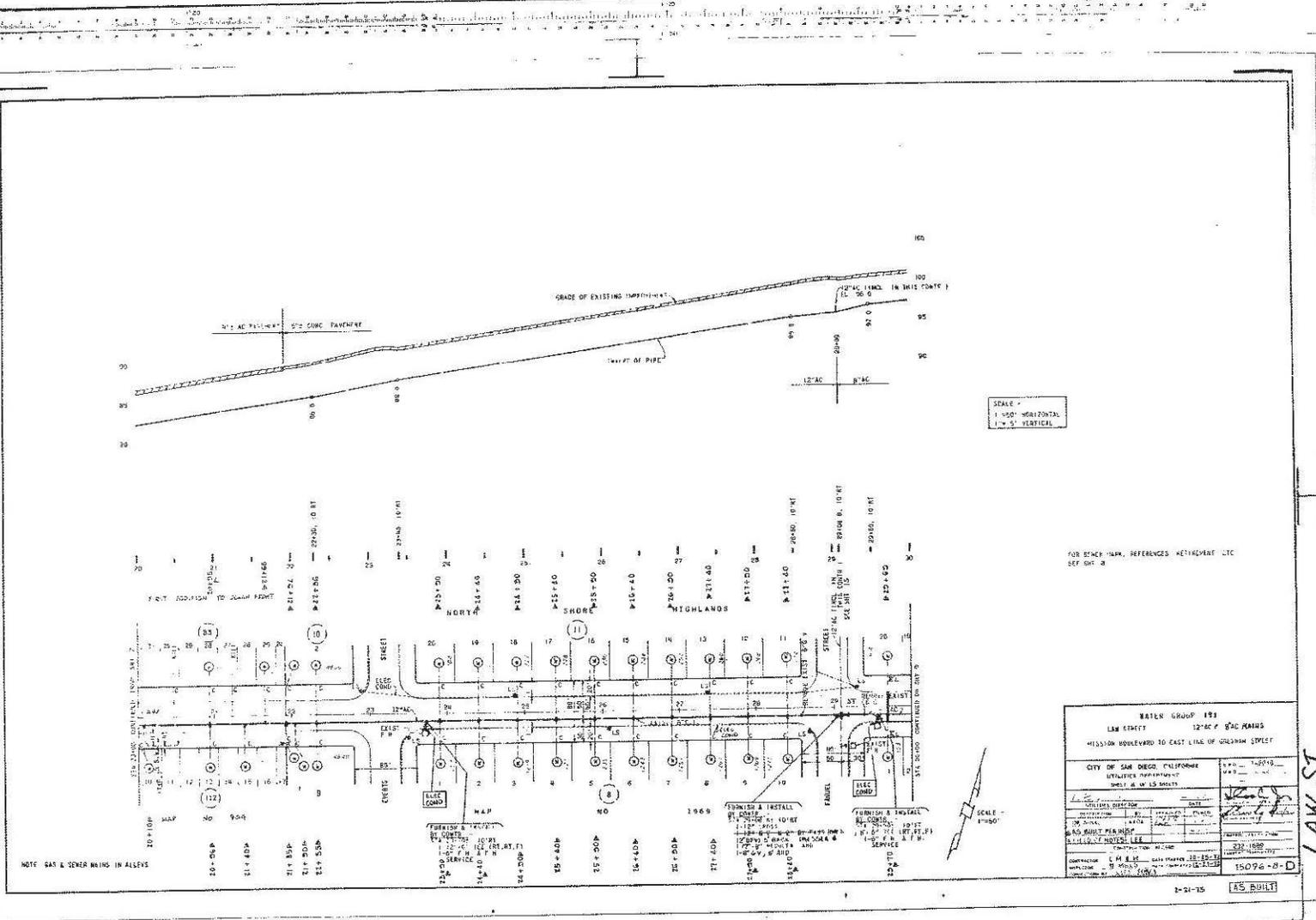


SEWER MAIN REPLACEMENT GROUP 66			
ALY N. OF CHALCEDONY ST. KENDALL ST. TO LAMONT ST. INGRAM ST. - ALY N. OF CHALCEDONY ST. TO ALY N. OF LAW ST.			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 10 OF 15 SHEETS		E.N.O. 247720 U.M.A. 5821	
UTILITIES DIRECTOR	DATE	APPROVED	
DESCRIPTION	BY	APPROVED	FILED
NO. OF SHEETS	NO. OF SHEETS	NO. OF SHEETS	NO. OF SHEETS
INSTRUCTIONS	NO. OF SHEETS	NO. OF SHEETS	NO. OF SHEETS
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
CONTRACTOR: CAMERON DRUGS		234-1496	
INSPECTOR: J. MEYER		LAMBERT COORDINATOR	
CONNECTION BY:		20560-10-D	

SEWER LATERAL STATIONING PER INSPECTOR
ALL LATERAL MATERIAL IS PVC

AS BUILT



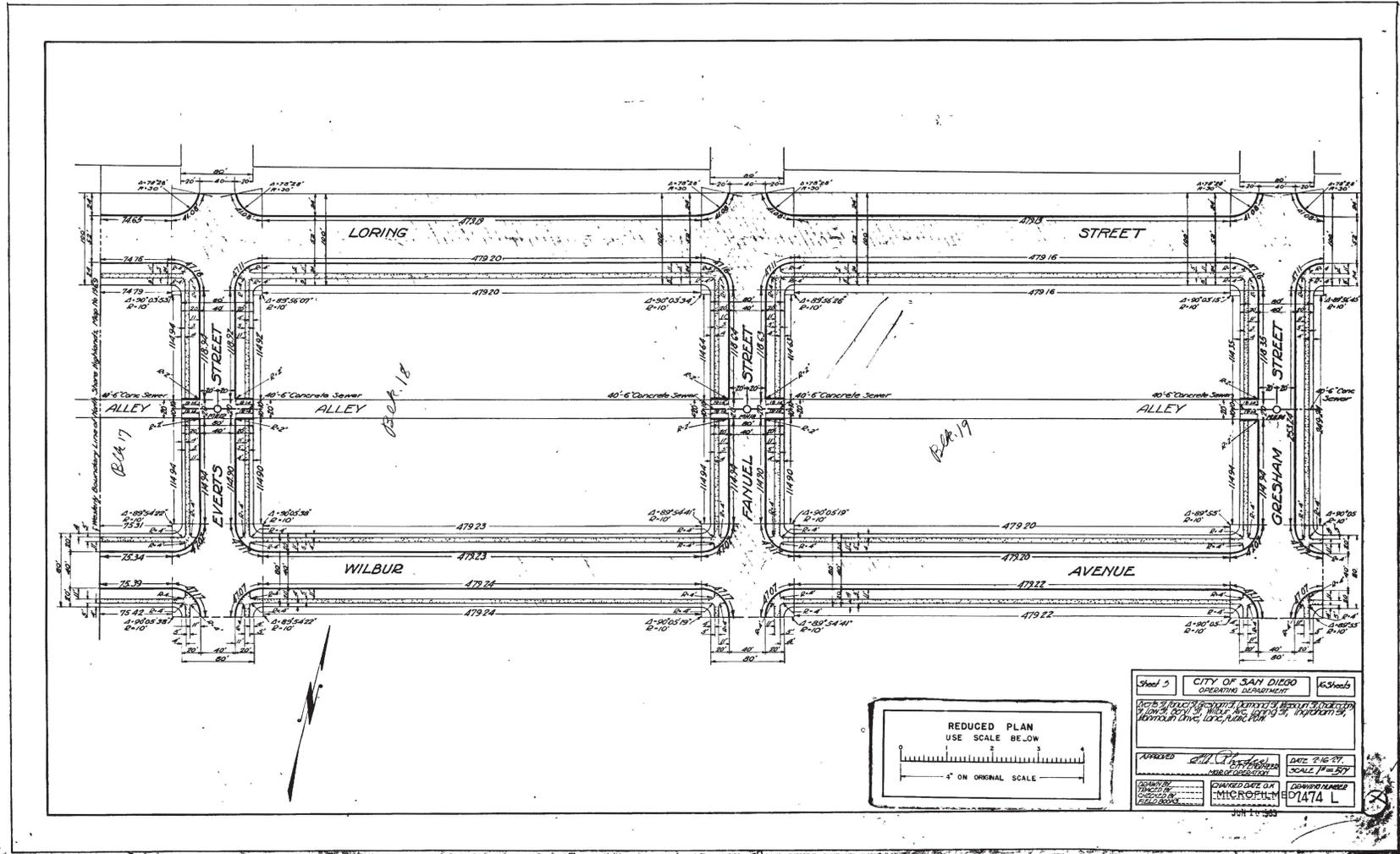


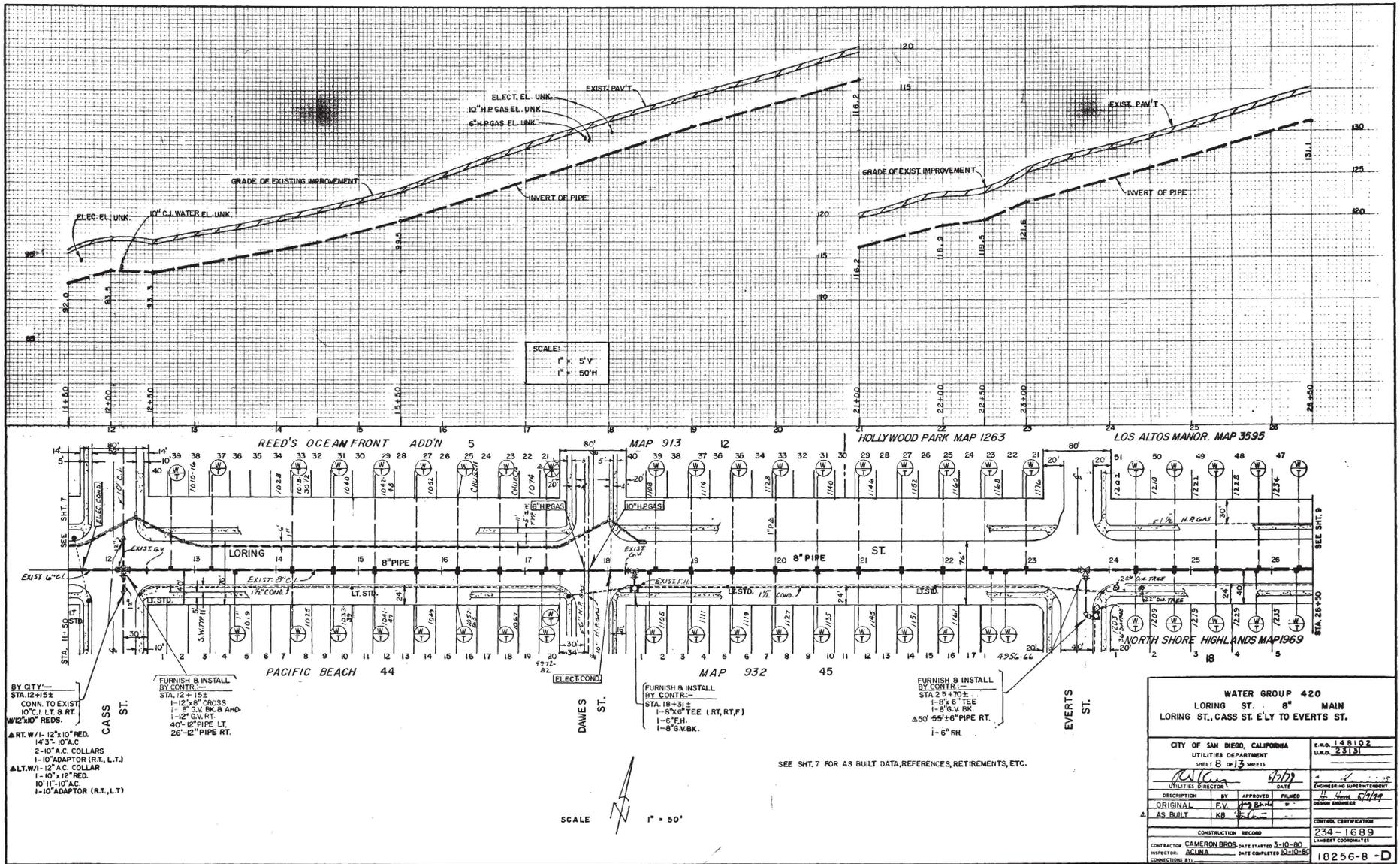
SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

FOR OTHER MARK, REFERENCES RETIREMENT, ETC.
 SEE SHEET 2

WATER GROUP 1018A LAW STREET 12" AC & 8" AC MAINS MISSION BOULEVARD TO EAST END OF GREENHAW STREET	
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT DIVISION OF WATER	
PROJECT NO. 15076-8-D SHEET NO. 1 OF 15 SHEETS	DATE: 12-15-10 DRAWN BY: [Signature] CHECKED BY: [Signature]
CONTRACTOR: C. M. & S. WORK ORDER: 15076-8-D	DATE: 12-15-10 15076-8-D

NOTE: GAS & OTHER MAINS IN ALSEVE





BY CITY -
 STA. 12+15.2
 DOWN TO EXIST.
 10\"/>

FURNISH & INSTALL
 BY CONTR. -
 STA. 12+15.2
 1-12\"/>

FURNISH & INSTALL
 BY CONTR. -
 STA. 18+31
 1-8\"/>

FURNISH & INSTALL
 BY CONTR. -
 STA. 25+70.5
 1-8\"/>

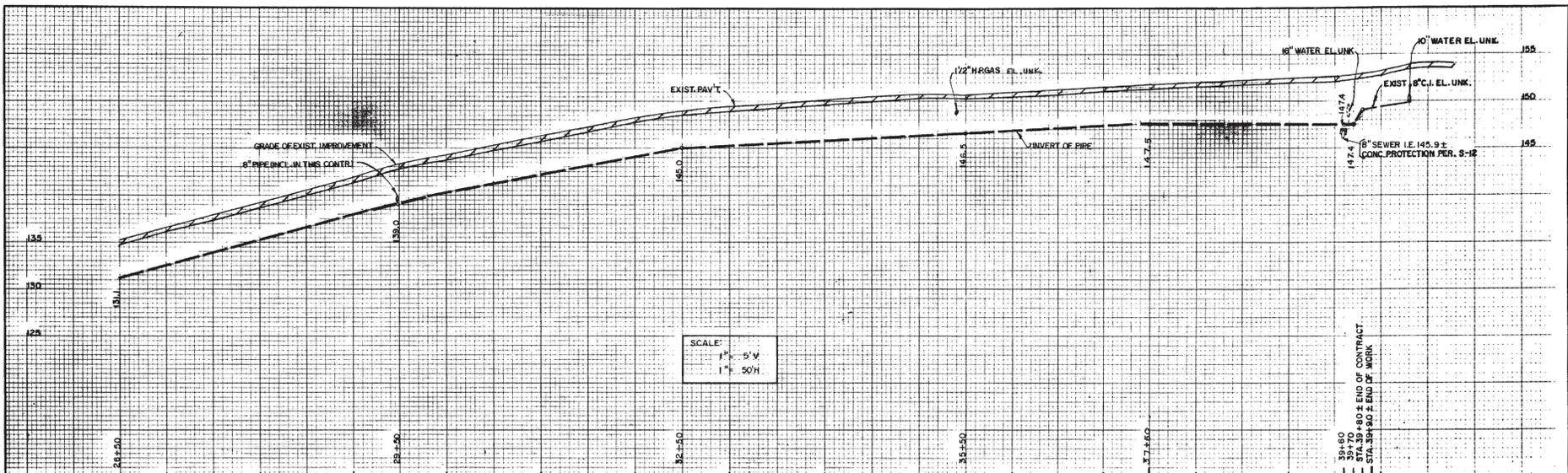
SEE SHT. 7 FOR AS BUILT DATA, REFERENCES, RETIREMENTS, ETC.

SCALE 1" = 50'

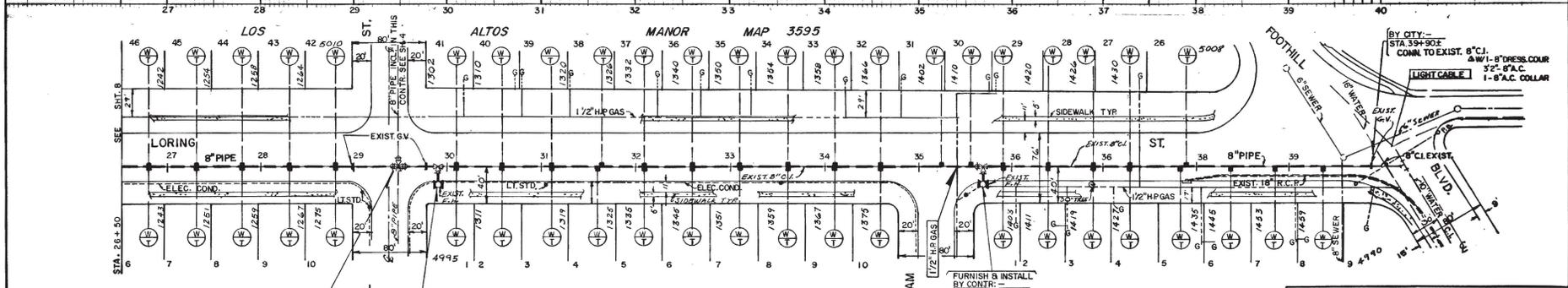
CITY OF SAN DIEGO, CALIFORNIA				E.W.D. 148102
UTILITIES DEPARTMENT				U.D.A. 23131
SHEET 8 OF 13 SHEETS				
UTILITIES DIRECTOR	<i>[Signature]</i>	DATE	ENGINEERING SUPERVISOR	<i>[Signature]</i>
DESCRIPTION	F.V.	APPROVED	FILED	DESIGN ENGINEER
ORIGINAL	BY	DATE		DATE
AS BUILT	KB	5-6-80		5/1/89
CONSTRUCTION RECORD				CONTROL CERTIFICATION
CONTRACTOR CAMERON BROS. DATE STARTED 3-10-80				234-1689
INSPECTOR A.C.LUNA DATE COMPLETED 10-10-80				LABORER COORDINATES
CONNECTIONS BY				10256-8-D

AS BUILT

GROUP 420



SCALE:
 1" = 5' V
 1" = 50' H



NORTH
 FURNISH & INSTALL
 BY CONTR:--
 STA. 29+50 ±
 1-8" 8" CROSS
 1-8" G.V. BK.
 1-8" G.V. AHD.
 1-8" G.V. LT.

FURNISH & INSTALL
 BY CONTR:--
 STA. 29+50 ±
 1-8" 6" TEE (RT, RT, F)
 1-6" FH.

FURNISH & INSTALL
 BY CONTR:--
 STA. 35+72 ±
 1-8" 6" TEE
 (RT, RT, F)
 1-8" FH.
 1-8" G.V. BK.

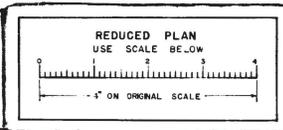
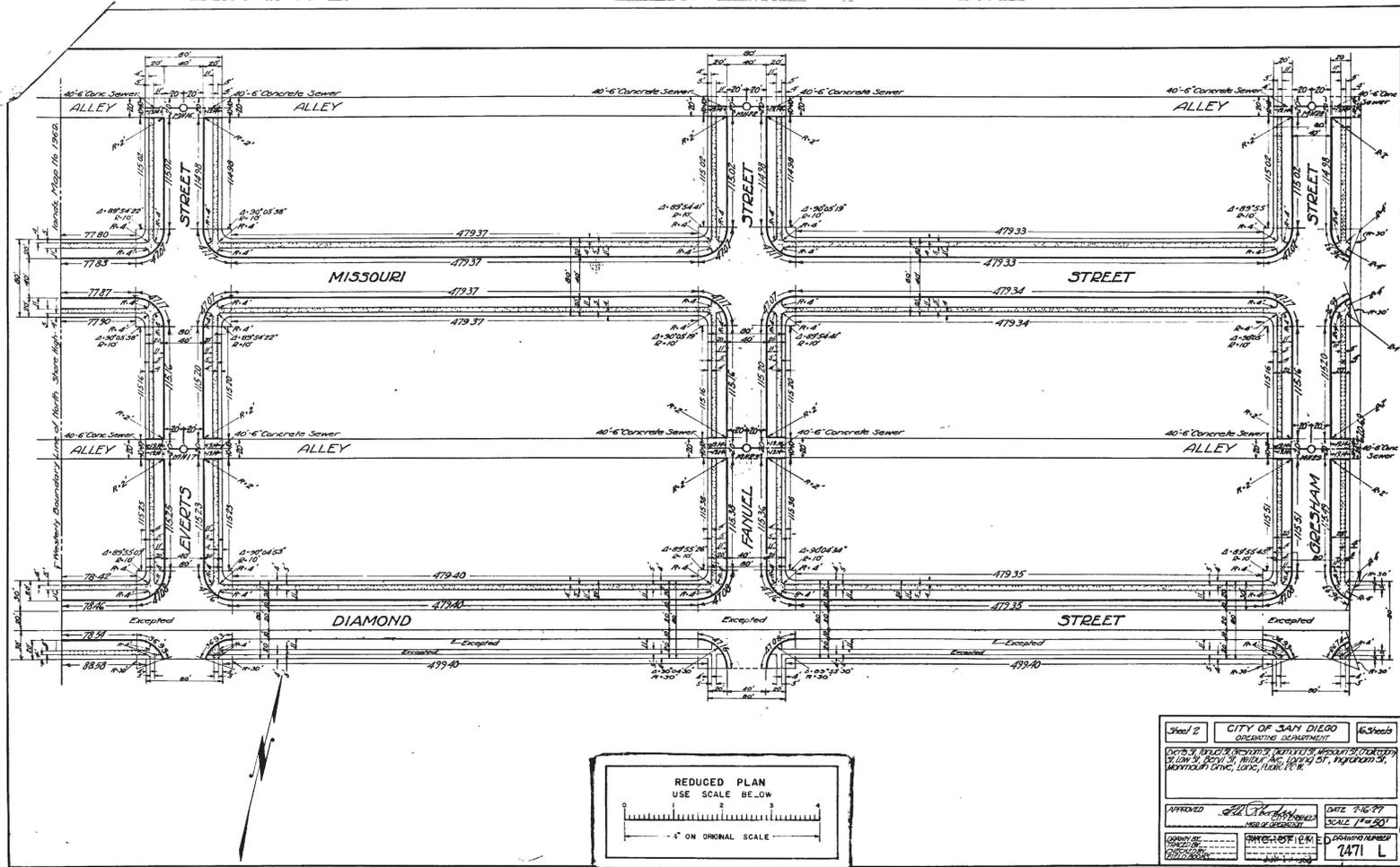
WATER GROUP 420
 LORING ST. 8" MAIN
 LORING ST, FANUEL ST E'LY TO FOOTHILL BLVD.

SEE SHIT 7 FOR AS BUILT DATA, REFERENCES, RETIREMENTS, ETC.

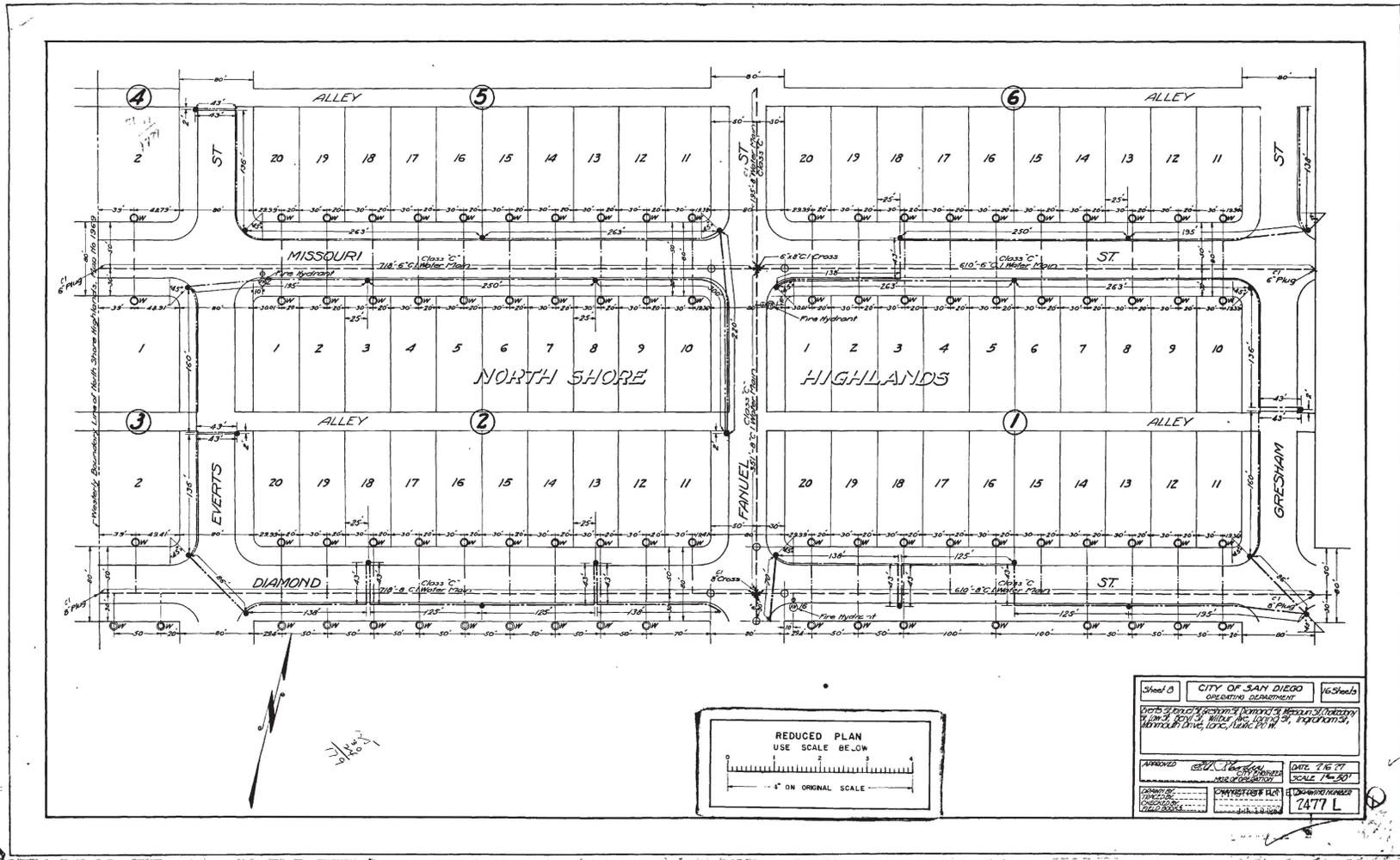
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT		E.W.D. 148102 U.S.A. 23131	
SHEET 9 OF 13 SHEETS			
DESIGNED BY <i>AK</i>	APPROVED BY <i>AK</i>	DATE 1/27/80	PROJECT NO. 148102
ORIGINAL AS BUILT	BY KB	FILED 1/27/80	DESIGN ENGINEER 1/27/80
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
CONTRACTOR: CAMERON BROS. DATE STARTED: 2-10-80		234-1689	
INSPECTOR: ACUNA DATE COMPLETED: 02-10-80		LIGHTING COORDINATES	
CONSTRUCTION BY		18256-9-D	

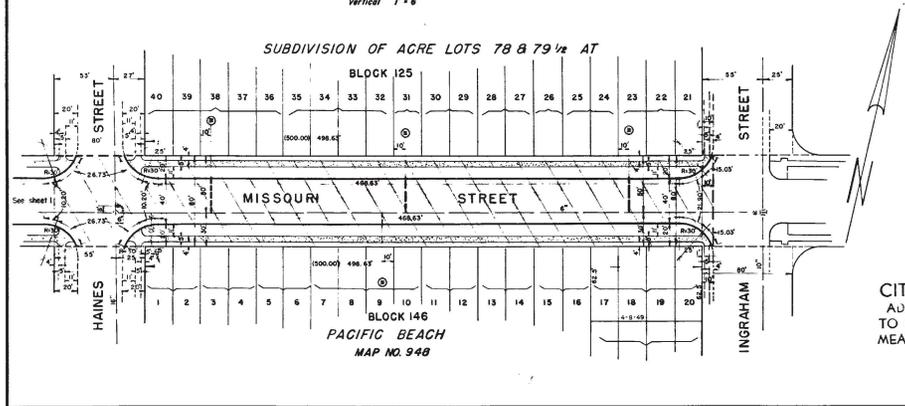
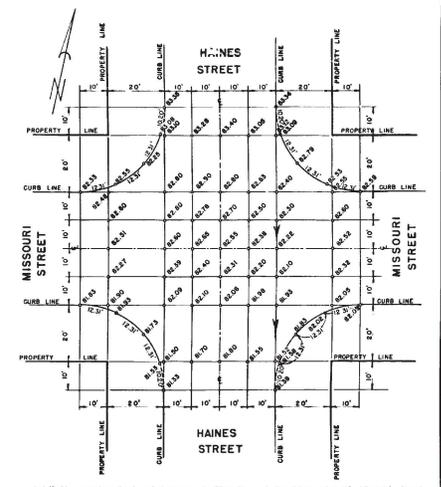
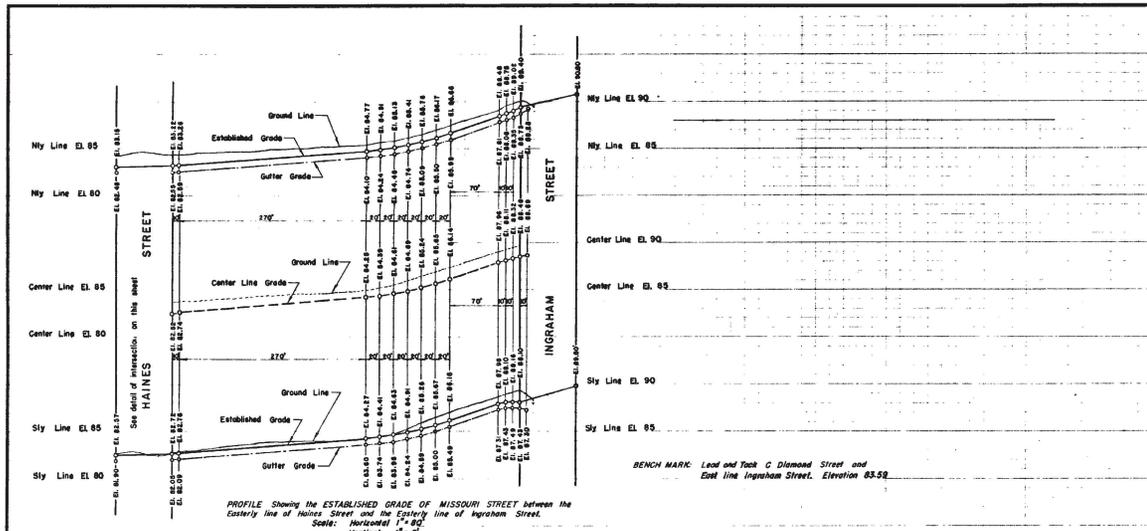
AS BUILT

GROUP 420

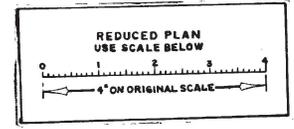


Sheet 2	CITY OF SAN DIEGO CREATING SCHEMATIC	63 Sheets
<small>WORKS BY CONTRACTORS: PERMITTED BY RESOLUTIONS 10188A, 10188B, 10188C, 10188D, 10188E, 10188F, 10188G, 10188H, 10188I, 10188J, 10188K, 10188L, 10188M, 10188N, 10188O, 10188P, 10188Q, 10188R, 10188S, 10188T, 10188U, 10188V, 10188W, 10188X, 10188Y, 10188Z, 10189A, 10189B, 10189C, 10189D, 10189E, 10189F, 10189G, 10189H, 10189I, 10189J, 10189K, 10189L, 10189M, 10189N, 10189O, 10189P, 10189Q, 10189R, 10189S, 10189T, 10189U, 10189V, 10189W, 10189X, 10189Y, 10189Z, 10190A, 10190B, 10190C, 10190D, 10190E, 10190F, 10190G, 10190H, 10190I, 10190J, 10190K, 10190L, 10190M, 10190N, 10190O, 10190P, 10190Q, 10190R, 10190S, 10190T, 10190U, 10190V, 10190W, 10190X, 10190Y, 10190Z, 10191A, 10191B, 10191C, 10191D, 10191E, 10191F, 10191G, 10191H, 10191I, 10191J, 10191K, 10191L, 10191M, 10191N, 10191O, 10191P, 10191Q, 10191R, 10191S, 10191T, 10191U, 10191V, 10191W, 10191X, 10191Y, 10191Z, 10192A, 10192B, 10192C, 10192D, 10192E, 10192F, 10192G, 10192H, 10192I, 10192J, 10192K, 10192L, 10192M, 10192N, 10192O, 10192P, 10192Q, 10192R, 10192S, 10192T, 10192U, 10192V, 10192W, 10192X, 10192Y, 10192Z, 10193A, 10193B, 10193C, 10193D, 10193E, 10193F, 10193G, 10193H, 10193I, 10193J, 10193K, 10193L, 10193M, 10193N, 10193O, 10193P, 10193Q, 10193R, 10193S, 10193T, 10193U, 10193V, 10193W, 10193X, 10193Y, 10193Z, 10194A, 10194B, 10194C, 10194D, 10194E, 10194F, 10194G, 10194H, 10194I, 10194J, 10194K, 10194L, 10194M, 10194N, 10194O, 10194P, 10194Q, 10194R, 10194S, 10194T, 10194U, 10194V, 10194W, 10194X, 10194Y, 10194Z, 10195A, 10195B, 10195C, 10195D, 10195E, 10195F, 10195G, 10195H, 10195I, 10195J, 10195K, 10195L, 10195M, 10195N, 10195O, 10195P, 10195Q, 10195R, 10195S, 10195T, 10195U, 10195V, 10195W, 10195X, 10195Y, 10195Z, 10196A, 10196B, 10196C, 10196D, 10196E, 10196F, 10196G, 10196H, 10196I, 10196J, 10196K, 10196L, 10196M, 10196N, 10196O, 10196P, 10196Q, 10196R, 10196S, 10196T, 10196U, 10196V, 10196W, 10196X, 10196Y, 10196Z, 10197A, 10197B, 10197C, 10197D, 10197E, 10197F, 10197G, 10197H, 10197I, 10197J, 10197K, 10197L, 10197M, 10197N, 10197O, 10197P, 10197Q, 10197R, 10197S, 10197T, 10197U, 10197V, 10197W, 10197X, 10197Y, 10197Z, 10198A, 10198B, 10198C, 10198D, 10198E, 10198F, 10198G, 10198H, 10198I, 10198J, 10198K, 10198L, 10198M, 10198N, 10198O, 10198P, 10198Q, 10198R, 10198S, 10198T, 10198U, 10198V, 10198W, 10198X, 10198Y, 10198Z, 10199A, 10199B, 10199C, 10199D, 10199E, 10199F, 10199G, 10199H, 10199I, 10199J, 10199K, 10199L, 10199M, 10199N, 10199O, 10199P, 10199Q, 10199R, 10199S, 10199T, 10199U, 10199V, 10199W, 10199X, 10199Y, 10199Z, 10200A, 10200B, 10200C, 10200D, 10200E, 10200F, 10200G, 10200H, 10200I, 10200J, 10200K, 10200L, 10200M, 10200N, 10200O, 10200P, 10200Q, 10200R, 10200S, 10200T, 10200U, 10200V, 10200W, 10200X, 10200Y, 10200Z</small>		
APPROVED	<i>[Signature]</i>	DATE 1/16/99
SCALE	1"=50'	
PROJECT NO.	10188A	DATE
PROJECT NAME	SEWER SYSTEM	SCALE
PROJECT NUMBER	1471 L	

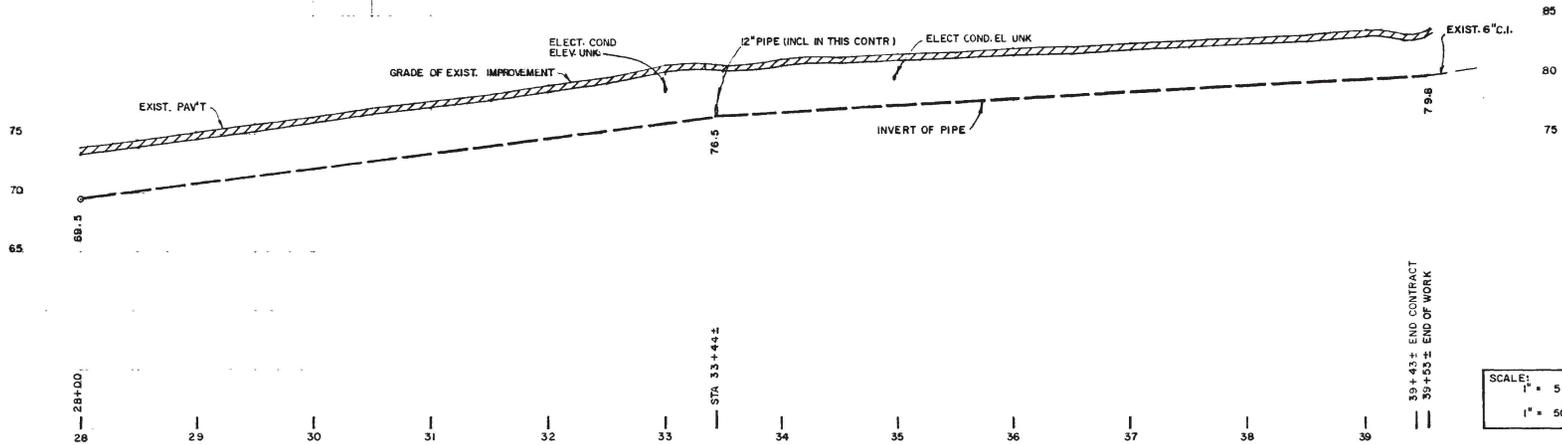




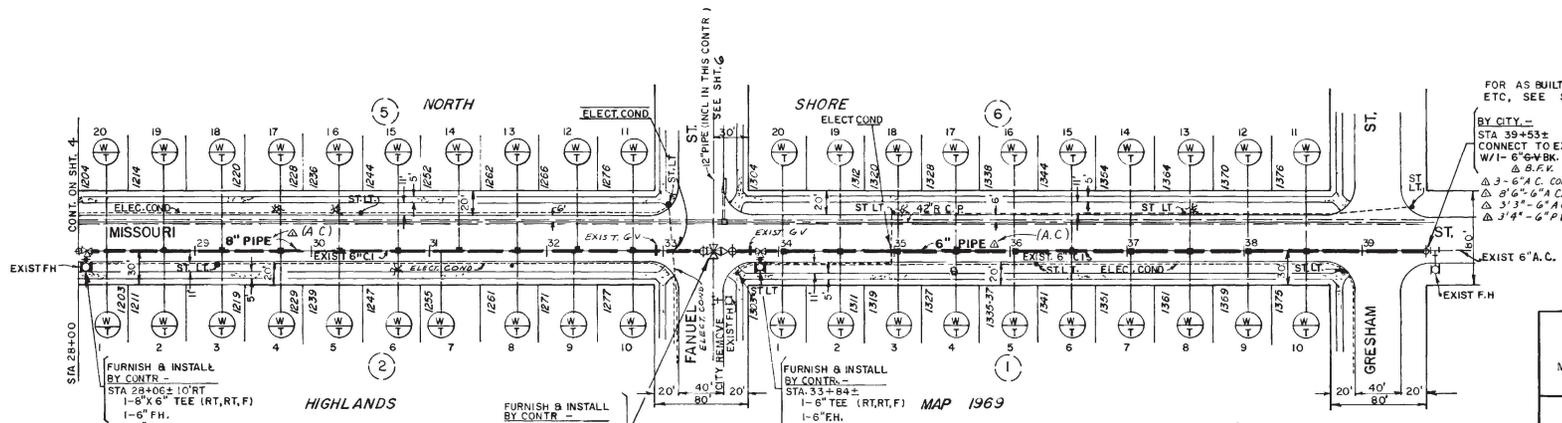
CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL



WATER DEPARTMENT	CITY OF SAN DIEGO	ENGINEERING DEPARTMENT	2-SHEETS
ENGINEER	MISSOURI STREET		
APPROVED: <i>A.K. [Signature]</i>	DATE: 6/1/87	SCALE: 1"=50'	
DESIGNED BY: STEVENS S-2-89	CITY ADDRESS:	DRAWING NUMBER:	7594L
PROJECT NO. 743-1855		DATE: 6-1-87	
CONSTRUCTION RECORD	W. O. No. 3138		
DESIGNED: HAZARD	APPROVED: ROSE		
DATE PLOTTED: 1-2-88	REVISION: NONE	DATE CHECKED: 2-1-90	



SCALE:
1" = 5' V
1" = 50' H



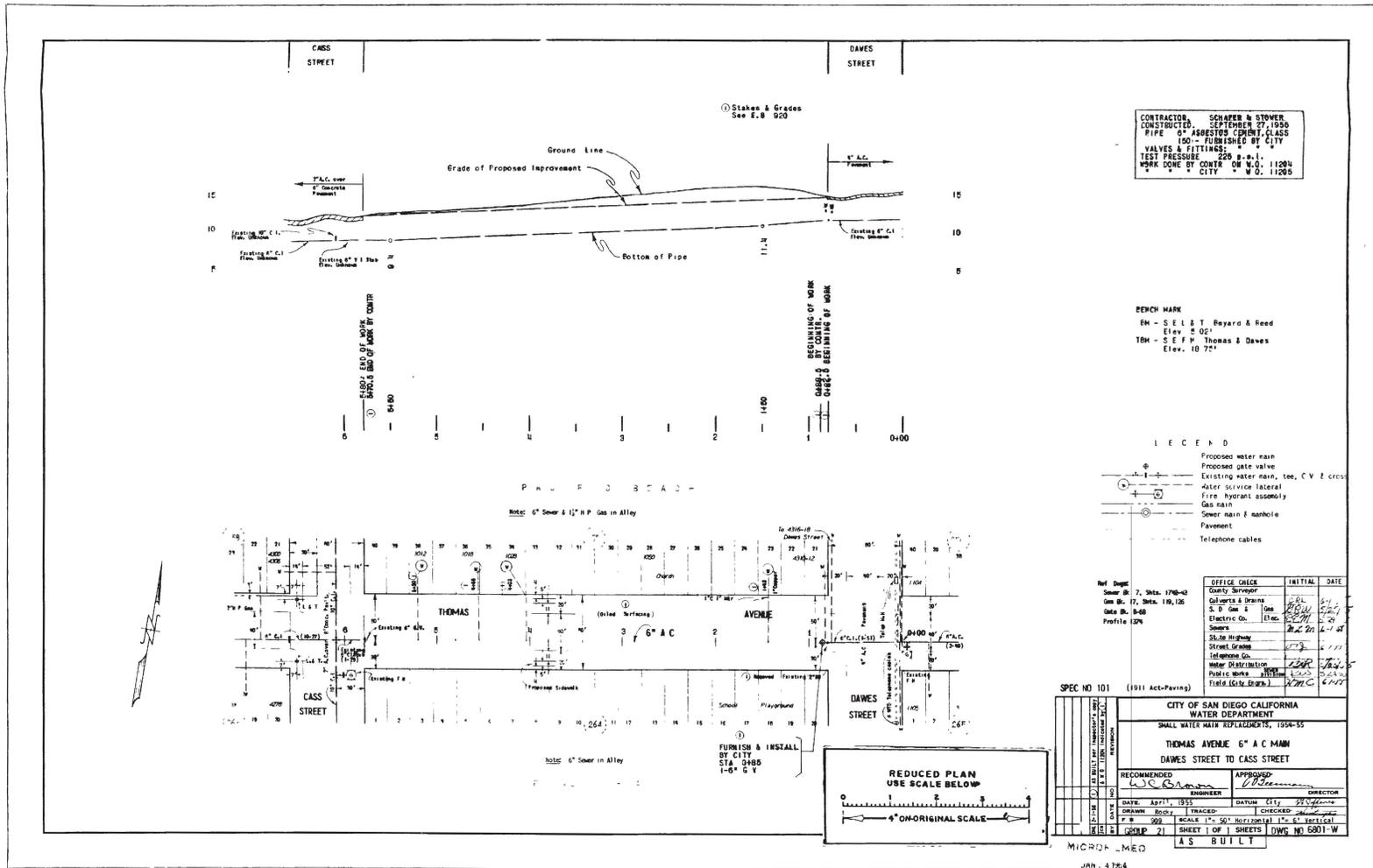
FOR AS BUILT DATA, REFERENCES, RETIREMENT, ETC., SEE SHT. 2

BY CITY -
STA 39+53±
CONNECT TO EXIST 6" TEE
W/1-6" W.B.K.
Δ 3-6" A.C. COLLARS
Δ 8'6" A.C. (M.E.E.)
Δ 3'3"-6" A.C. (M.O.A.)
Δ 3'4"-6" P.V.C.

WATER GROUP 416			
MISSOURI ST 8" & 6" PIPE			
MISSOURI ST, ELY EVERTS ST. TO GRESHAM ST			
CITY OF SAN DIEGO, CALIFORNIA		E=0148089	
UTILITIES DEPARTMENT		U.N.O. 13751	
SHEET 5 OF 8 SHEETS			
UTILITIES DIRECTOR	DATE	ENGINEERING SUPERINTENDENT	
DESCRIPTION	BY	APPROVED	FILED
DESIGNED	F.V.	By Bkrl	
INSPECTED	NB		
MARKED PRINTS			
CONSTRUCTION RECORD		CONTRACT CERTIFICATION	
CONTRACTOR FRANK LUNATI DATE STARTED 7-79		232-1685	
INSPECTOR ACUNA DATE COMPLETED 9-80		LABERT COORDINATES	
CONNECTIONS BY CITY		17707-5-D	

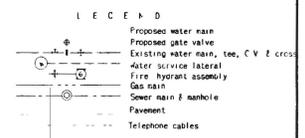
SCALE: 1" = 50'

MISSOURI STREET



CONTRACTOR, SCHAPER & STONER
 CONSTRUCTED, SEPTEMBER 27, 1950
 PIPE OF AMBESTOS CEMENT, CLASS
 100 - FURNISHED BY CITY
 VALVES & FITTINGS:
 TEST PRESSURE 225 P.S.I.
 WORK DONE BY CONTR. ON W.O. 11284
 CITY W.O. 11284

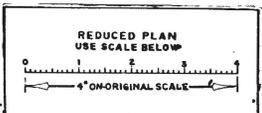
BENCH MARK
 BM - S E L & T Ryard & Reed
 Elev. = 02'
 TM - S E F P Thomas & Dawes
 Elev. 18 72'



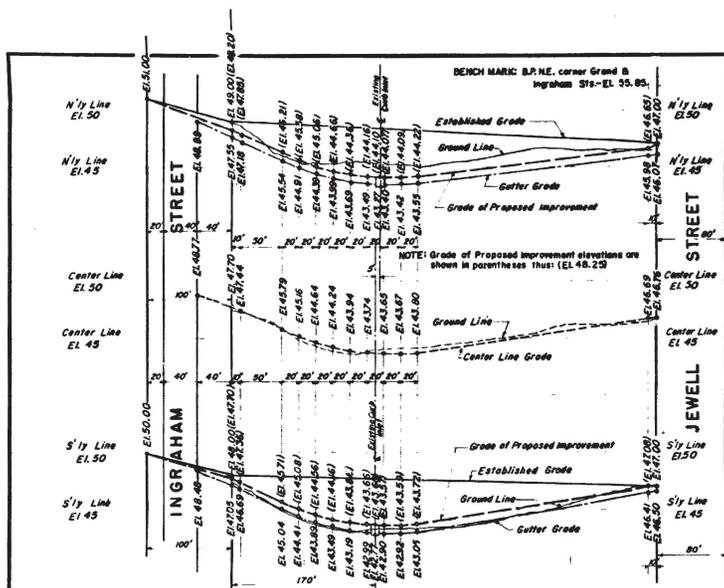
OFFICE CHECK	INITIAL	DATE
County Surveyor		
Valves & Drains	SL	6/1
S. D. Gas & Elec.	SL	5/21
Electric Co.	SL	5/21
Sewers	SL	6/1
State Highway		
Street Grading		
Telephone Co.		
Water Distribution		
Public Works		
Field (Civil Engrs.)		

SPEC NO 101 (1911 Act-Paving)

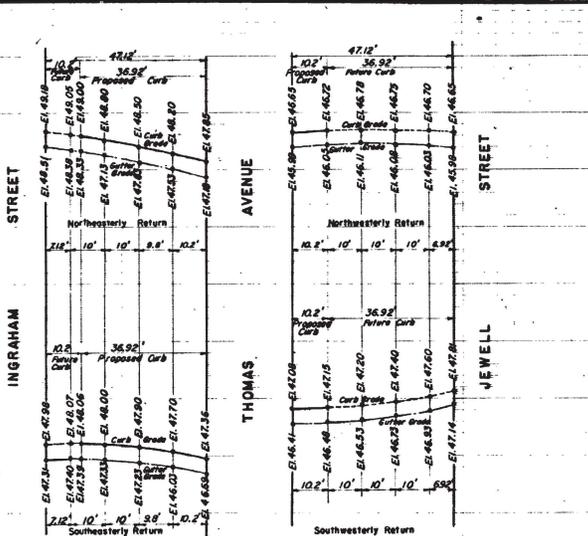
CITY OF SAN DIEGO CALIFORNIA			
WATER DEPARTMENT			
SMALL WATER MAIN REPLACEMENTS, 1954-55			
THOMAS AVENUE 6" A C MAIN			
DAWES STREET TO CASS STREET			
RECOMMENDED	APPROVED	ENGINEER	DIRECTOR
DATE: April 1, 1955	CHECKED: [Signature]		
DESIGNED: [Signature]	TRACED: [Signature]		
P. 902	SCALE 1" = 50' Horizontal 1" = 6' Vertical		
GROUP 2	SHEET 1 OF 1 SHEETS	TWS NO 5801-W	



MICROFILMED
 JAN. 4 1964



PROFILE showing the ESTABLISHED GRADE and the GRADE OF PROPOSED IMPROVEMENT of THOMAS AVE. between the W'y line of Inghram St. and the W'y line of Jewell St.
Scale: vert. 1"=6'



PROFILES of Curb Returns
Hor. 1"=20'
Scale: vert. 1"=3'

- WORK TO BE DONE**
- The improvement consists of the following work to be done according to these plans and the specifications hereto attached:
 - The grading of the portions of the streets shown hatched thus:
 - The construction of Type G curb as shown thus:
 - The construction of sidewalks as shown thus:
 - The preparation of subgrade and paving of the portions of the streets shown shaded thus:
 - The construction of cast iron pipe water main as shown thus:
 - The construction of 3/4" copper water services as shown thus:
 - The removal of trees as shown on plans.
 - The surfacing of existing pavement as shown thus:
 - The construction of cast-iron gate valves as shown on plans.
 - The construction of cast-iron gate valves and 8" steel valve boxes with cast-iron covers as shown thus:

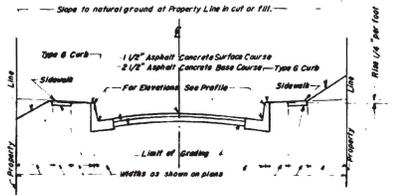
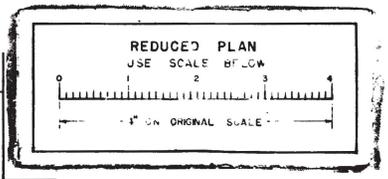
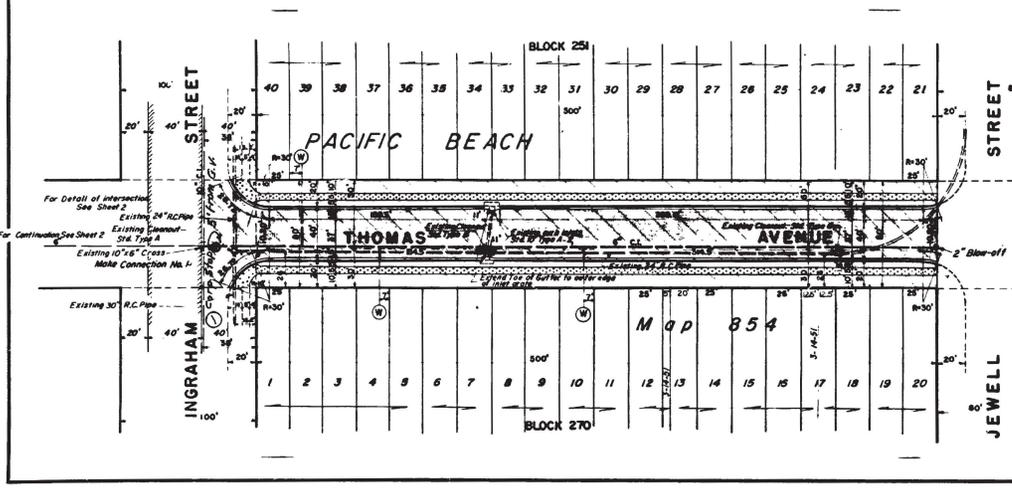
- LEGEND- EXISTING WORK**
- Curb
 - Sidewalk
 - Water Main
 - Culvert and Inlet
 - Cleanout
 - Edge of Pavement
 - Trees
 - Gatevalve and Cross

- NOTES**
- Property Ownerships shown thus
 - Property Divisions by deed shown thus
 - All inside radii of sidewalk returns shall be 4' unless otherwise shown on plans.

SPECIAL NOTE

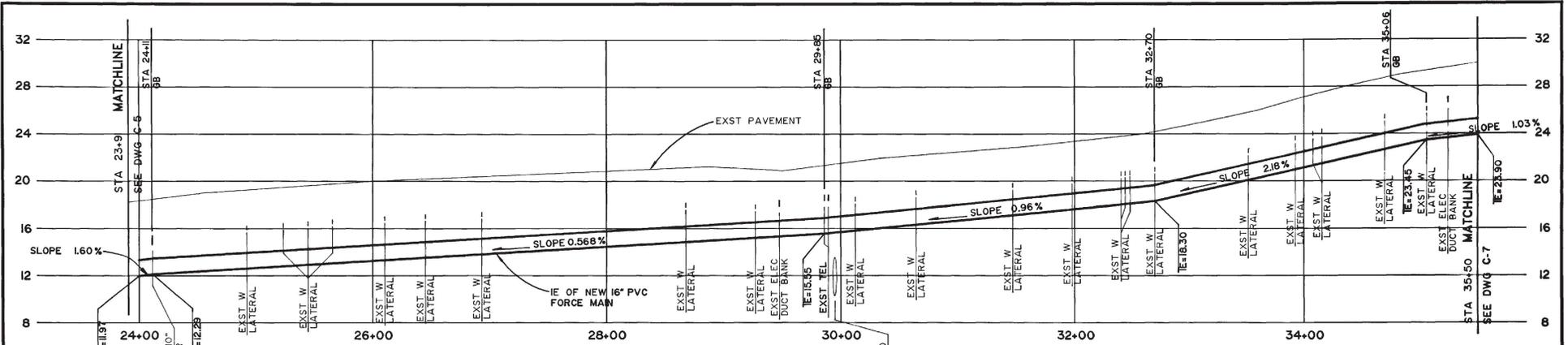
The connections to existing water mains shown on these plans may be made by the Water Department of the City of San Diego for the following prices, to wit:

- Connection No. 1 - \$50.00
- Connection No. 2 - \$50.00
- Connection No. 3 - \$50.00

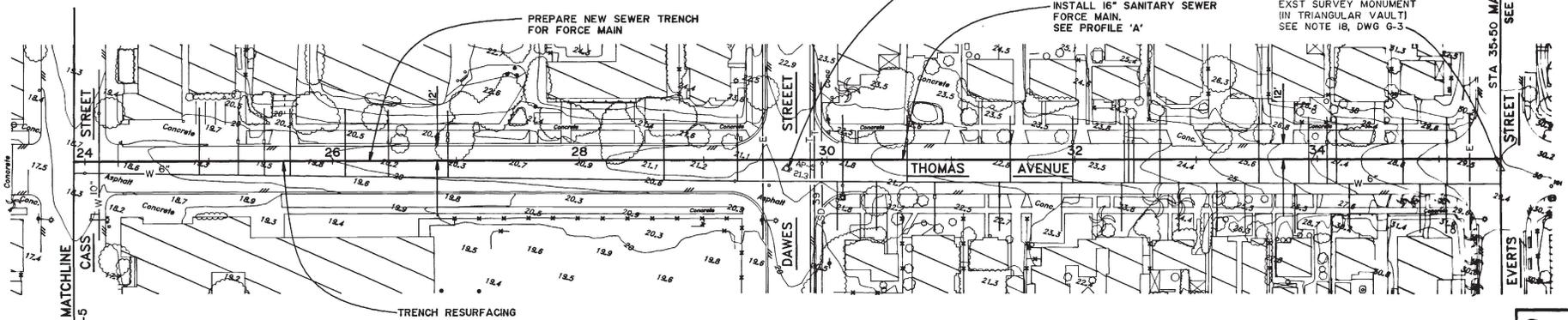


WATER DEPARTMENT ENGINEERING DEPARTMENT DRAWING NO. 2087-37 SHEET NO. 1 OF 4 DATE: 8/18/51 SCALE: As Shown	CITY OF SAN DIEGO ENGINEERING DEPARTMENT SHEET 1 OF 4 SHEETS PLANS FOR THE IMPROVEMENT OF THOMAS AVE. BETWEEN THE W'y LINE OF GRESHAM ST. AND THE W'y LINE OF JEWELL ST. AND REED AVE. BETWEEN THE W'y LINE OF INGHAM ST. AND THE W'y LINE OF JEWELL ST.
APPROVED: <i>[Signature]</i> CITY ENGINEER DRAWN BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i> DATE: 8/18/51	DRAWING NUMBER 9019-L

CONSTRUCTION RECORD CONTRACTOR: Daley DATE STARTED: 4-23-52 DATE COMPLETED: 2-29-52	INVESTOR: Greer REVISIONS: 1 DATE: 3-2-53
---	--



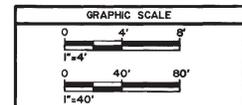
PROFILE 'A'
 HORIZ: 1"=40'
 VERT: 1"=4'



PLAN
 1"=40'

NOTE:
 1. SEE DWG C-13 FOR PHOTO SHEET.

NOTE: ARCHAEOLOGICAL MONITORING REQUIRED
 REFER TO CONTRACT DOCUMENTS



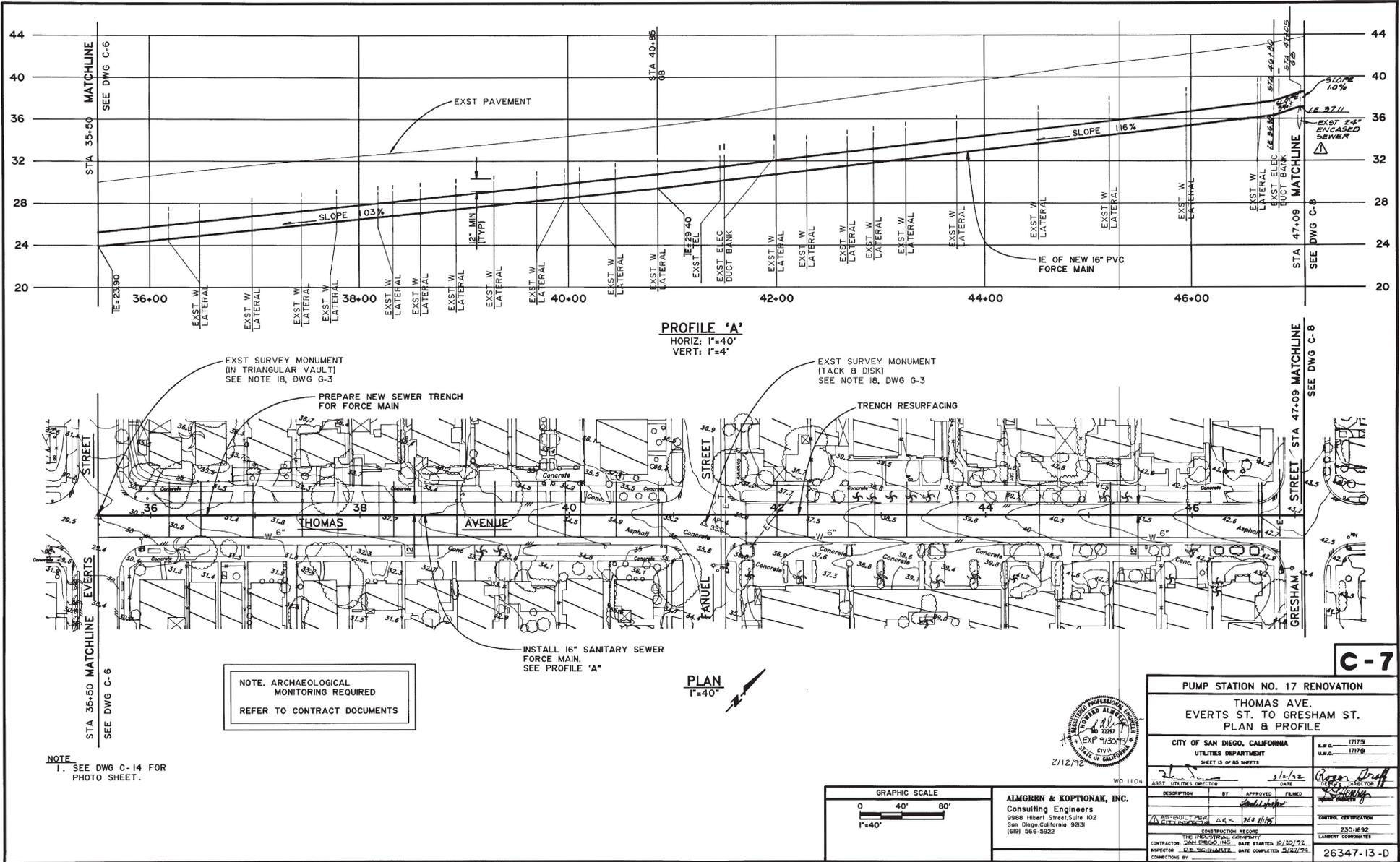
ALMGREN & KOPTONAK, INC.
 Consulting Engineers
 9988 Hbert Street, Suite 102
 San Diego, California 92131
 (619) 546-5922



PUMP STATION NO. 17 RENOVATION			
THOMAS AVE. CASS ST. TO EVERTS ST. PLAN & PROFILE			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT		E.W. 17729 U.W. 17729	
SHEET #2 OF 85 SHEETS			
ASSY. UTILITIES DIRECTOR	DATE	SHEET NO.	
DESCRIPTION	BY	APPROVED	FILED
DESIGN	ALM	ALM	ALM
CONSTRUCTION RECORD	ALM	ALM	ALM
THE INDUSTRIAL COMPANY		CONTRACT NO.	
CONTRACTOR: DAN L. SCHWARTZ, INC.		230 1692	
DATE STARTED: 10/30/21		LAMBERT COORDINATES	
INSPECTOR: D.L.E. SCHWARTZ		DATE COMPLETED: 05/22/24	
CONTRACT NO. BY:		26347-12-D	

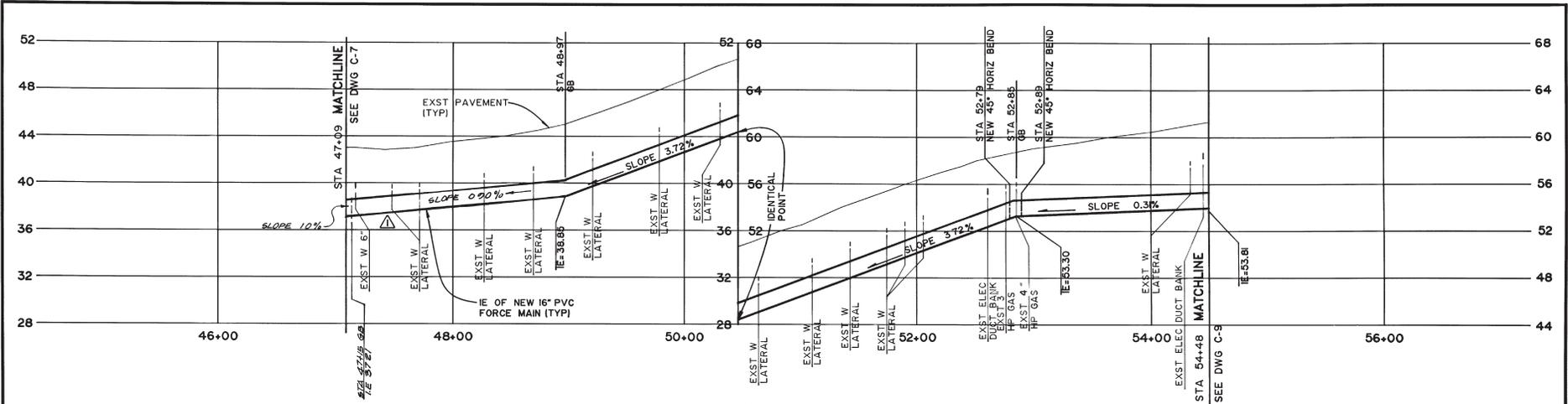
C-6

AS-BUILT



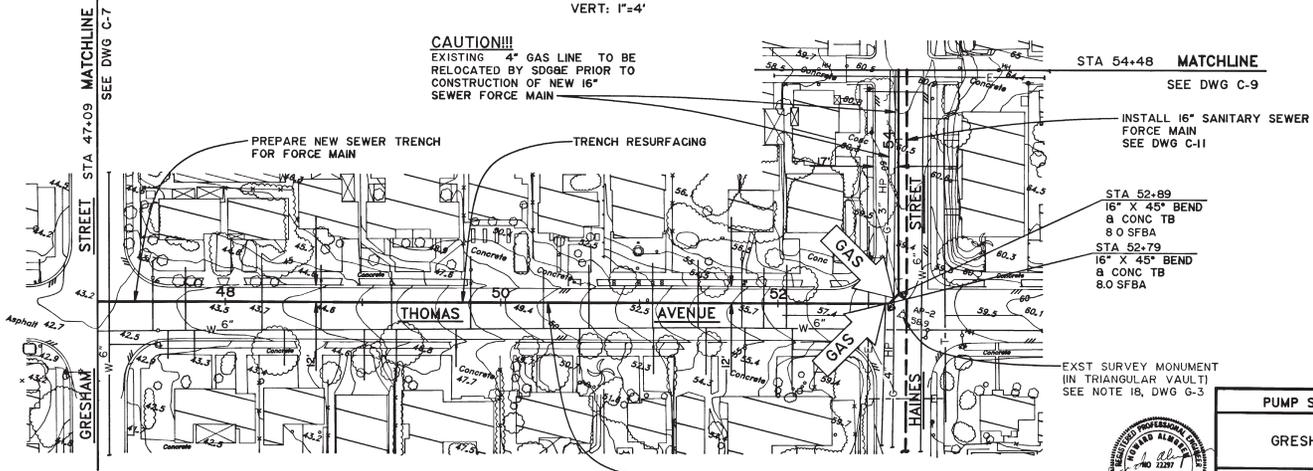
C-7

AS-BUILT



PROFILE 'A'
 HORIZ: 1"=40'
 VERT: 1"=4'

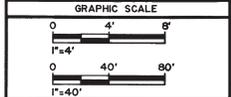
CAUTION!!!
 EXISTING 4" GAS LINE TO BE
 RELOCATED BY SDOBE PRIOR TO
 CONSTRUCTION OF NEW 16"
 SEWER FORCE MAIN



NOTE:
 1. SEE DWG C-14 FOR
 PHOTO SHEET.

NOTE: ARCHAEOLOGICAL
 MONITORING REQUIRED
 REFER TO CONTRACT DOCUMENTS

PLAN
 1"=40'

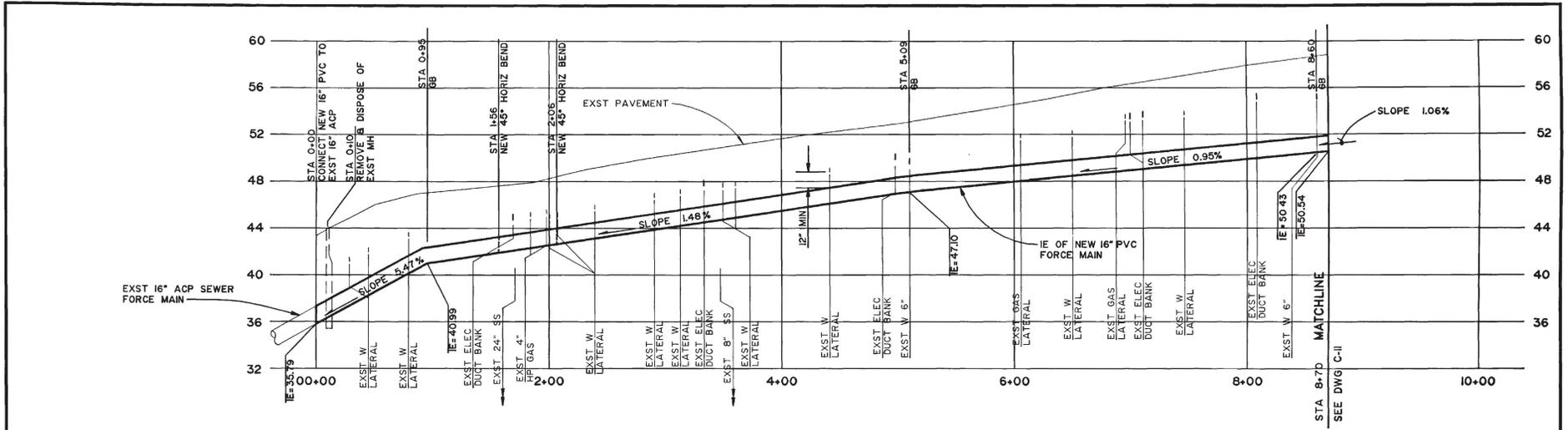


ALMORÉN & KOPTONAK, INC.
 Consulting Engineers
 9988 Hibert Street, Suite 102
 San Diego, California 92131
 (619) 566-9922

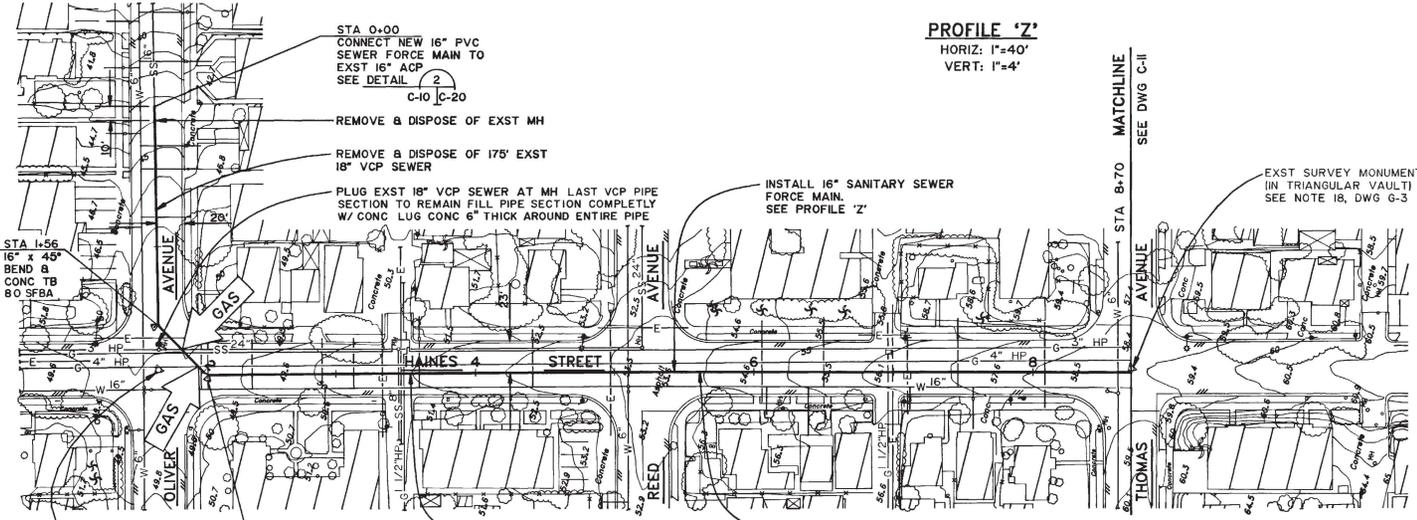


C-8			
PUMP STATION NO. 17 RENOVATION			
THOMAS AVE. GRESHAM ST. TO HAINES ST. PLAN & PROFILE			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 14 OF 80 SHEETS		E.W.A. 17779 M.W.A. 17779	
WO 110.04	DATE 3/2/13	BY <i>Roger Smith</i>	DATE 3/2/13
ASST. UTILITIES DIRECTOR	APPROVED	FILED	DATE
DESCRIPTION	BY	APPROVED	DATE
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
THEME: INDUSTRIAL/COMMUNITY		230-1695	
CONTRACTOR: S&S CONTRACTING, INC. DATE STARTED: 10/30/12		LABORER COORDINATES	
INSPECTOR: CHELSEA HANTEL DATE COMPLETED: 3/27/13		26347-14-D	
CORRECTIONS BY:			

AS-BUILT



PROFILE 'Z'
 HORIZ: 1"=40'
 VERT: 1"=4'



PLAN
 1"=40'

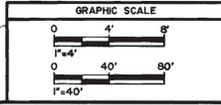
NOTE
 1. SEE DWG C-15 FOR PHOTO SHEET.

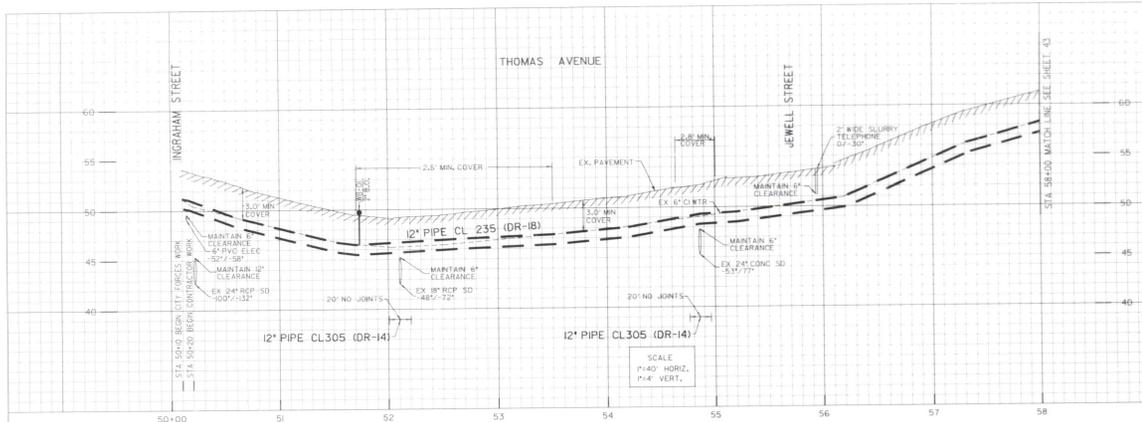
NOTE: ARCHAEOLOGICAL MONITORING REQUIRED
 REFER TO CONTRACT DOCUMENTS

C-10

PUMP STATION NO. 17 RENOVATION			
HAINES ST. OLIVER AVE. TO THOMAS AVE. PLAN & PROFILE			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 18 OF 88 SHEETS		E.W.A. 17773 U.W.A. 17773	
WO 1104	DATE: 3/1/92	APPROVED: [Signature]	FILED: [Signature]
DESCRIPTION: [Signature]	BY: [Signature]	APPROVED: [Signature]	FILED: [Signature]
DESIGNED BY: [Signature]	DATE: 10/1/91	CONSTRUCTION RECORD	
THE INSTRUMENTAL COMPANY		CONTRACTOR: [Signature]	
INSPECTOR: [Signature]		DATE: 10/22/92	
CORRECTIONS BY: [Signature]		DATE COMPLETED: 5/22/92	
		CONTROL CERTIFICATION	
		230-1695	
		LAURENT COORDINATOR	
		26347-16-D	

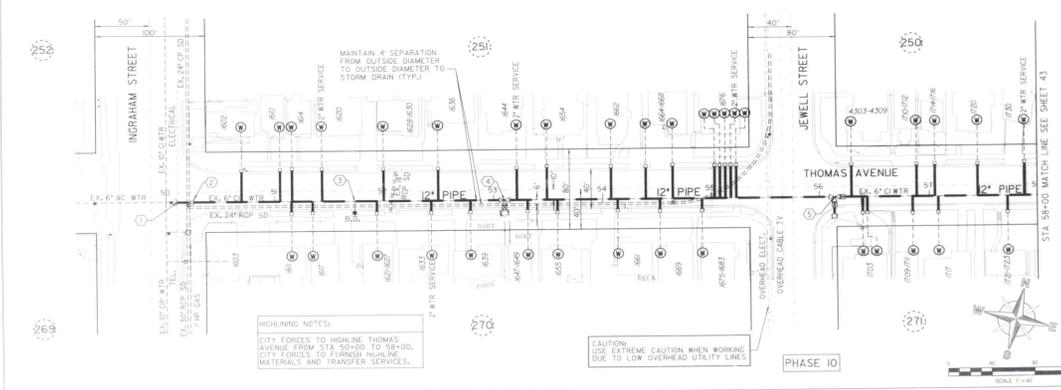
ALMGREN & KOPTONAK, INC.
 Consulting Engineers
 9986 Hilbert Street, Suite 102
 San Diego, California 92131
 (619) 566-9922





- ① BY CITY FORCES FURNISH AND INSTALL AND OF CONTRACTOR (PHASE 10) STA 50+00.00 EX 4" CONTR RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED
- ② BY CONTRACTOR FURNISH AND INSTALL STA 50+00.00 1" 12"X4" REDUCER (MJI)
- ③ BY CONTRACTOR FURNISH AND INSTALL STA 54+70.20 1" 2" SLOW-OFF PER WB-D
- ④ 6072 BY CONTRACTOR FURNISH AND INSTALL STA 53+00.00 1" 12"X6" TEE (MUMMLET) 1" 4" FH ASSY AND MARKER
- ⑤ 6022 BY CONTRACTOR FURNISH AND INSTALL STA 56+4.00 1" 12"X6" TEE (M) 1" 12" VALVE (MJI) AND 1" 4" FH ASSY AND MARKER

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



REFERENCE:
 WATER 109-L, 1179-L
 SEWER 109-L, 1179-L
 STORM 109-L, 1179-L
 GAS 129-13
 TELEPHONE 230-6858
 CABLE TV 6230652
 TELEPHONE, PHOTOGRAPH, PHOTOGRAPH
 IMPROVEMENTS:
 100 SCALE FIELD BOOK: 230, 695, 045
 THOMAS BROS: 1248, A6
 VOL. 30

RETIREMENTS:
 6" CI - 790 - 891
 12" PORT - 1
 2" WATER SERVICE - 3
 2" WATER SERVICE - 5

C-42

PHASE 10
WATER GROUP 3012
THOMAS AVENUE
 INGRAHAM STREET TO STA 58+00

CITY OF SAN DIEGO, CALIFORNIA
 (ENGINEERING AND CONSTRUCTION DEPARTMENT)
 SHEET 44 OF 78 SHEETS

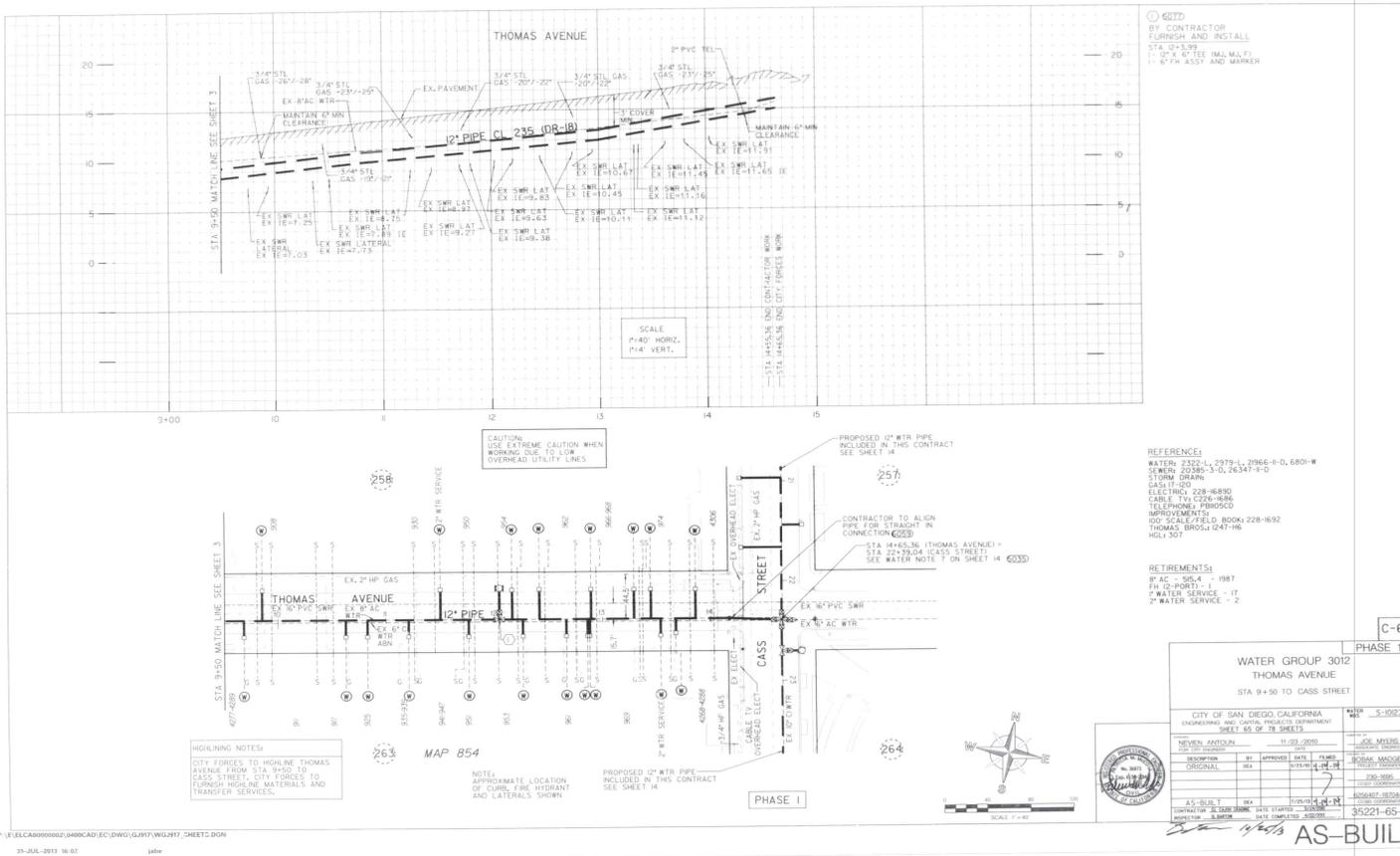
DESIGNED BY	11/28/2009	DATE	11/28/2009
DRAWN BY	11/28/2009	DATE	11/28/2009
CHECKED BY	11/28/2009	DATE	11/28/2009
APPROVED BY	11/28/2009	DATE	11/28/2009

AS-BUILT

THOMAS AVENUE

P:\ELEC\000000002\0000CAD\01\DWG\01\WGL\WGL_CHEB12.DWG
 11-JUL-2013 16:01

PRINTED FROM THE ORIGINAL BEST QUALITY
 OBTAINABLE. EXCEPT FOR REPRODUCTION,
 THIS DRAWING IS NOT TO BE REPRODUCED.



6000
 BY CONTRACTOR
 FURNISH AND INSTALL
 STA 9+35
 1" 6" X 6" TEE (NAIL LUGS)
 1" 6" P.H. ASST AND MARKER

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

REFERENCE:
 WATER: 2202-L, 2278-L, 2266-9-D, 680-W
 SEWER: 20380-3-D, 26347-9-D
 STORM DRAIN:
 GAS: 17-20
 ELECTRIC: 228-669D
 CABLE TV: 1226-669B
 TELEPHONE: PPO90D
IMPROVEMENTS:
 100' SCALE FIELD BOOK 228-692
 THOMAS, BROS: 1247-HB
 HELL 301

RETIREMENTS:
 8" AC - 565.4 - 1987
 14" 10-PORT-1
 2" WATER SERVICE - 17
 2" WATER SERVICE - 2

INSTALLING NOTES:
 CITY FORCES TO MOVE THOMAS AVENUE FROM STA 9+50 TO CASS STREET. CITY FORCES TO FURNISH HIGHLINE MATERIALS AND TRANSFER SERVICES.

MAP 854

NOTE:
 APPROXIMATE LOCATION
 OF CURB, FIRE HYDRANT
 AND LATERALS SHOWN

CAUTION:
 USE EXTREME CAUTION WHEN
 WORKING DUE TO LOW
 OVERHEAD UTILITY LINES.

PROPOSED 12" WTR PIPE
 INCLUDED IN THIS CONTRACT
 SEE SHEET 14

CONTRACTOR TO ALIGN
 PIPE FOR STRAIGHT IN
 CONNECTION (6055)

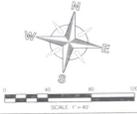
STA 14+65.36 (THOMAS AVENUE) +
 STA 22+93.04 (CASS STREET)
 SEE WATER NOTE 7 ON SHEET 14 6030

THOMAS AVENUE

PHASE 1
 WATER GROUP 3012
 THOMAS AVENUE
 STA 9+50 TO CASS STREET

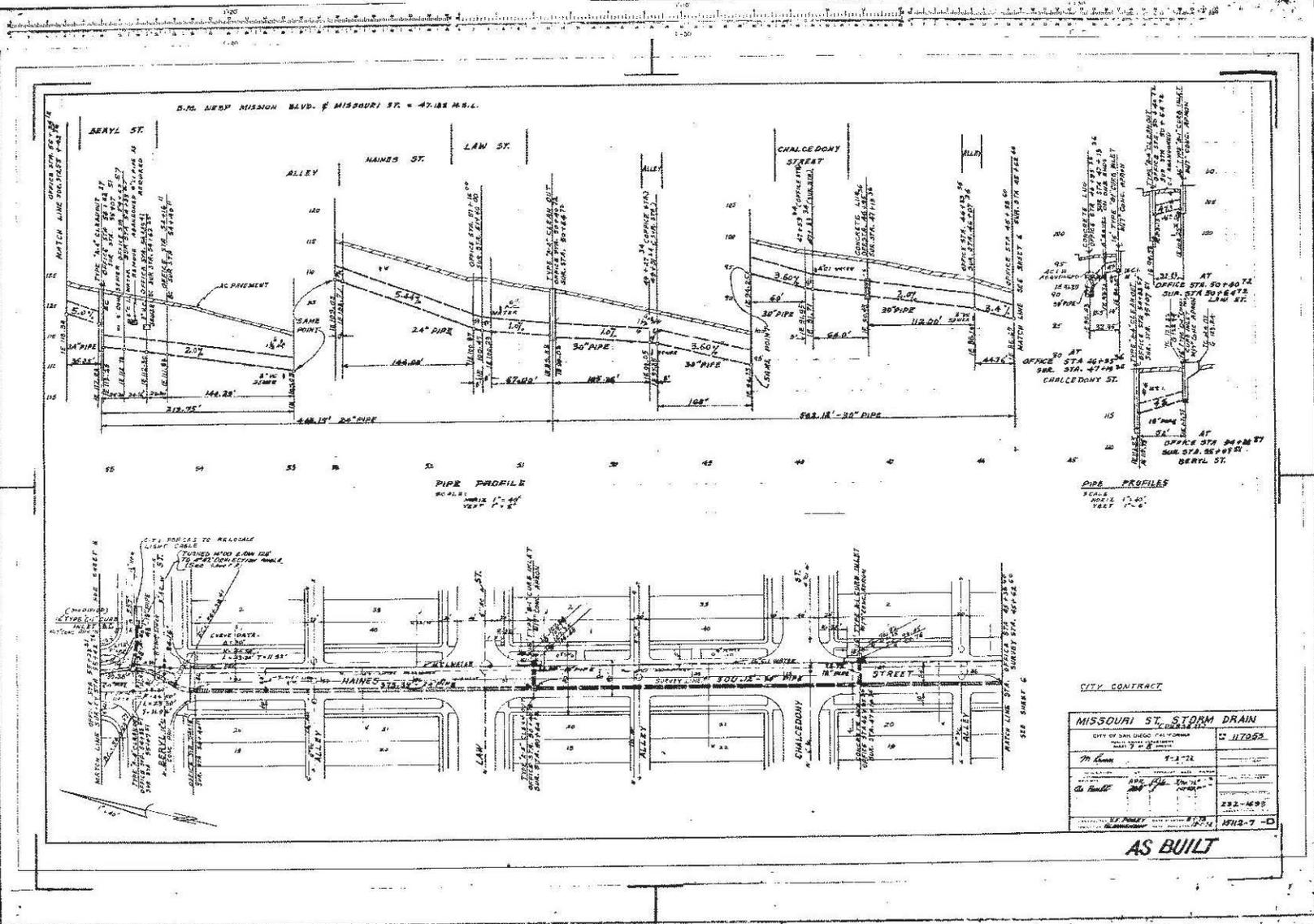
CITY OF SAN DIEGO CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 56 OF 78 SHEETS	DATE: 11/23/2020	SCALE: 5'-0/23'
DESIGNED BY: NEVEN ANTONOV	APPROVED BY: [Signature]	DATE: 11/23/2020
DRAWN BY: [Signature]	CHECKED BY: [Signature]	DATE: 11/23/2020
PROJECT NO: 1018A	DATE STARTED: 11/23/2020	DATE COMPLETED: 11/23/2020
AS-BUILT	DATE: 11/23/2020	SCALE: 3/8" = 1'-0"
PROJECT NO: 1018A	DATE STARTED: 11/23/2020	DATE COMPLETED: 11/23/2020
PROJECT NO: 1018A	DATE STARTED: 11/23/2020	DATE COMPLETED: 11/23/2020

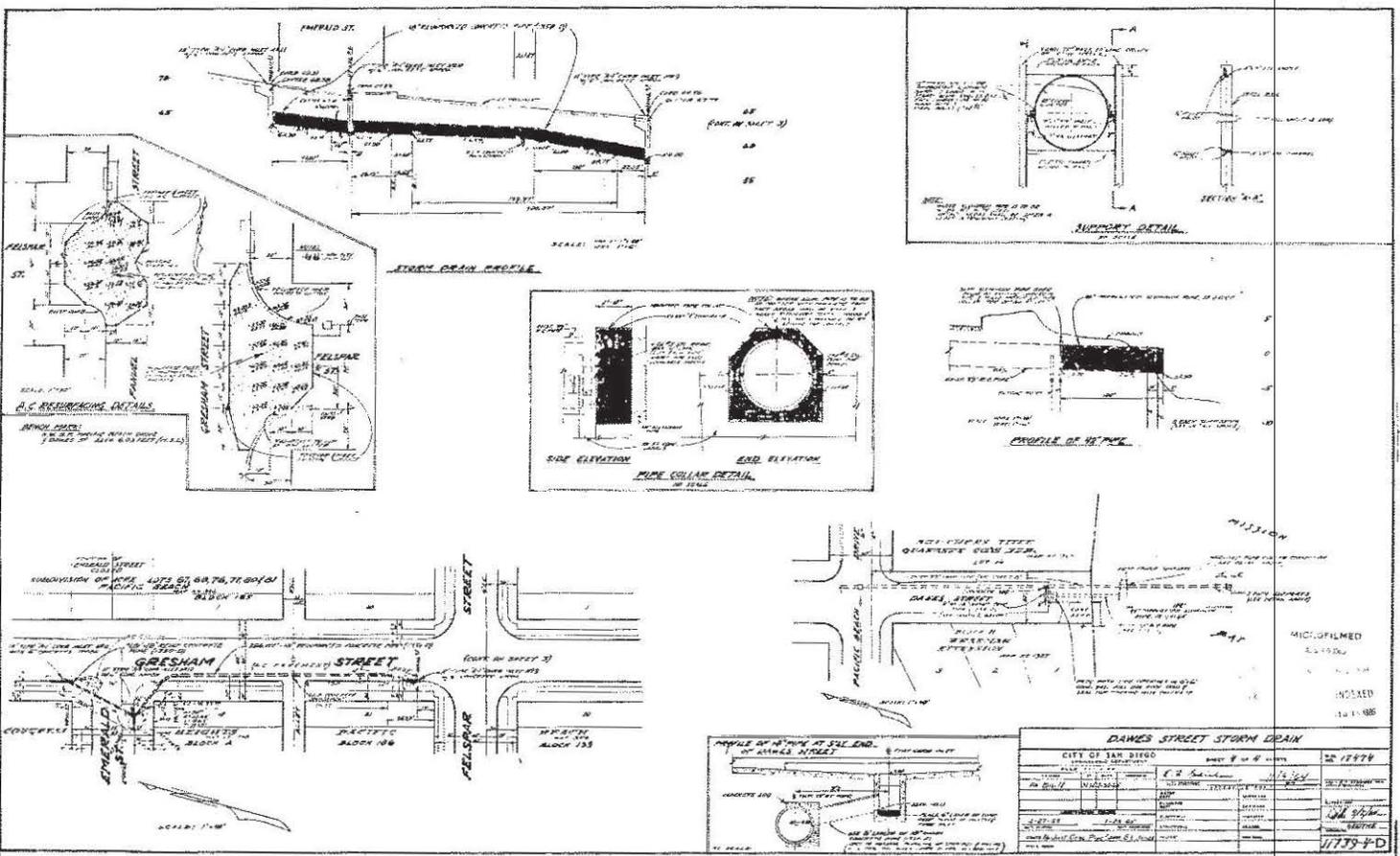
AS-BUILT
 11/23/2020



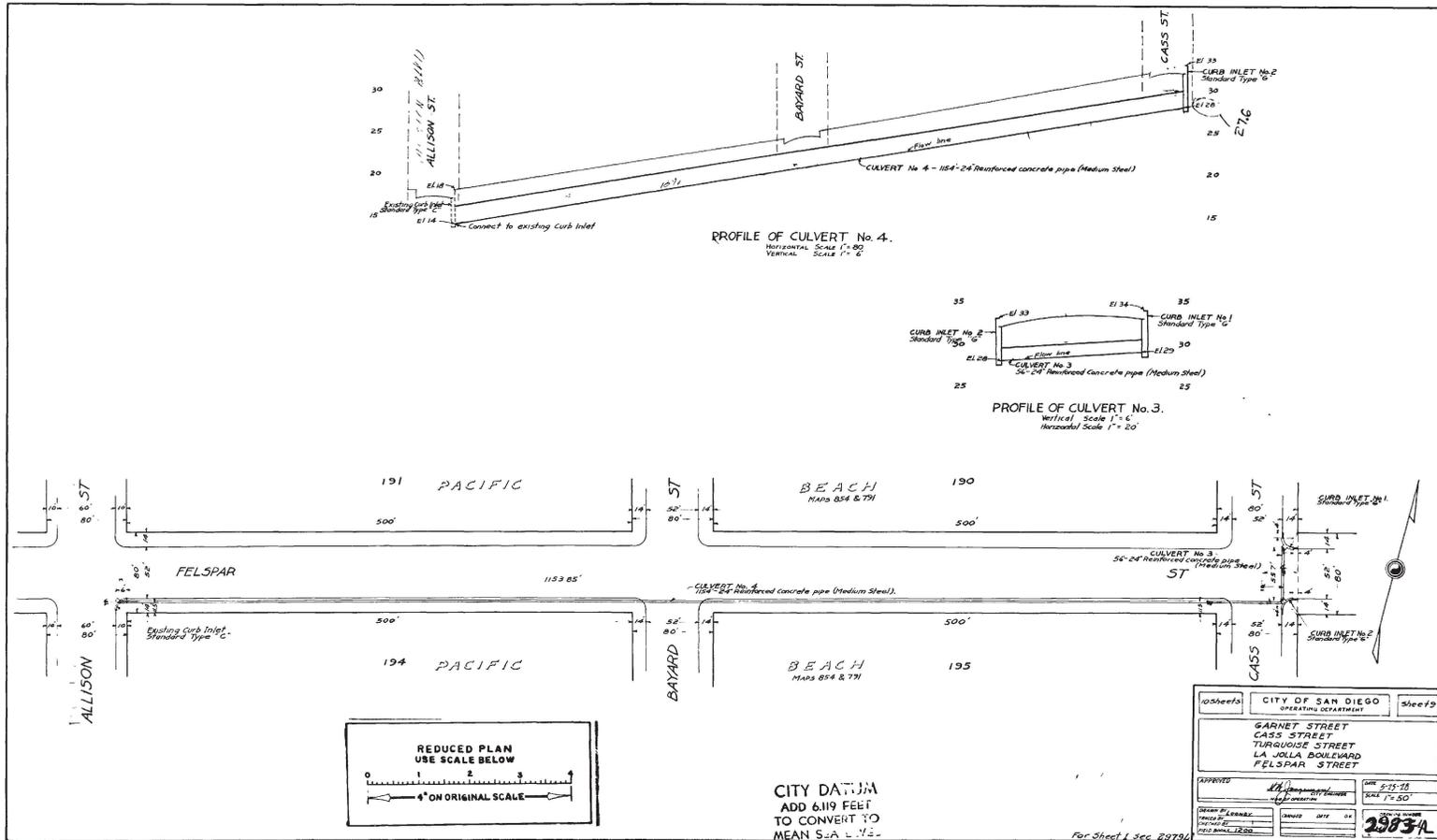
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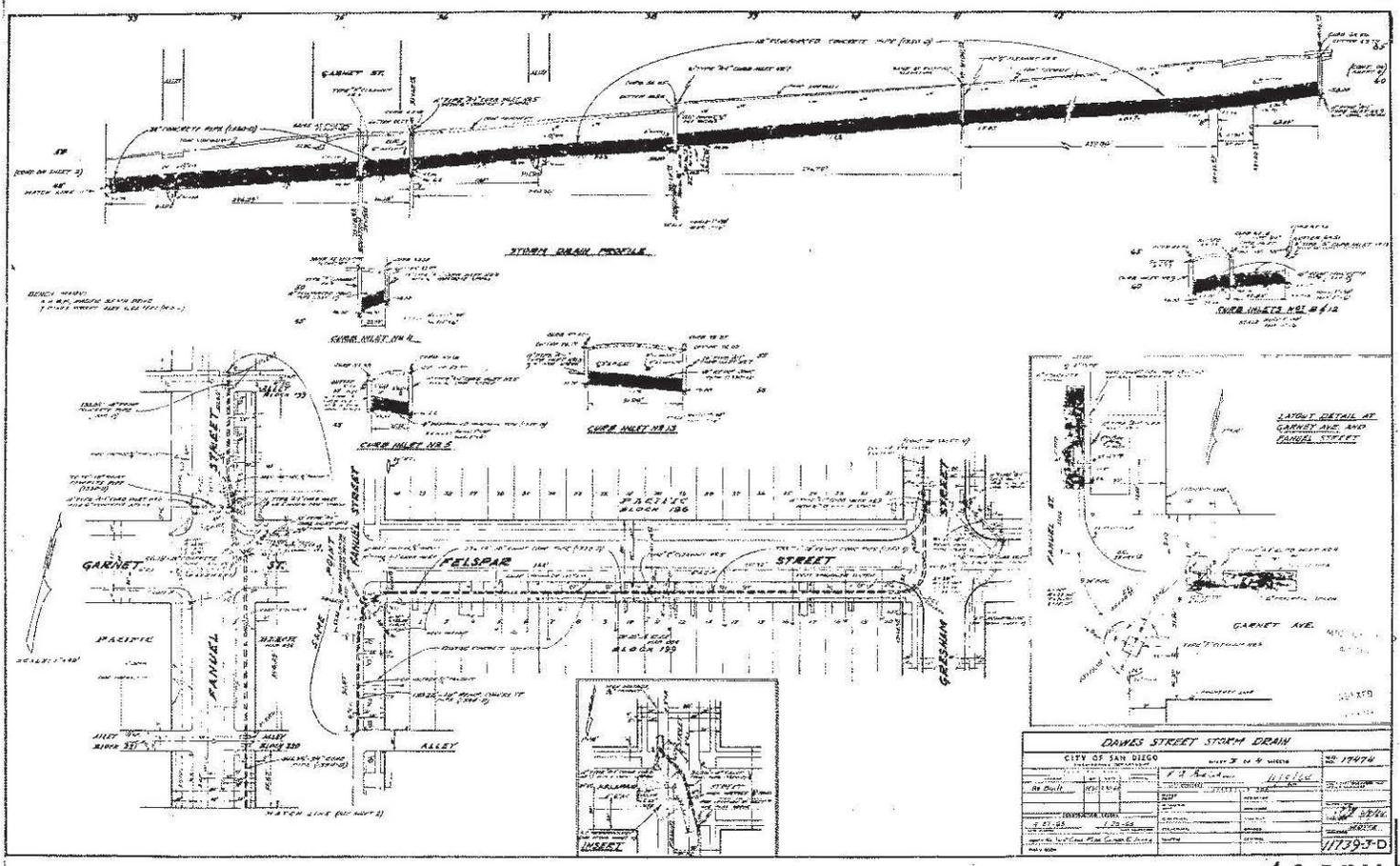
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 MAY CAUSE A POOR QUALITY REPRODUCTION.





AS BUILT





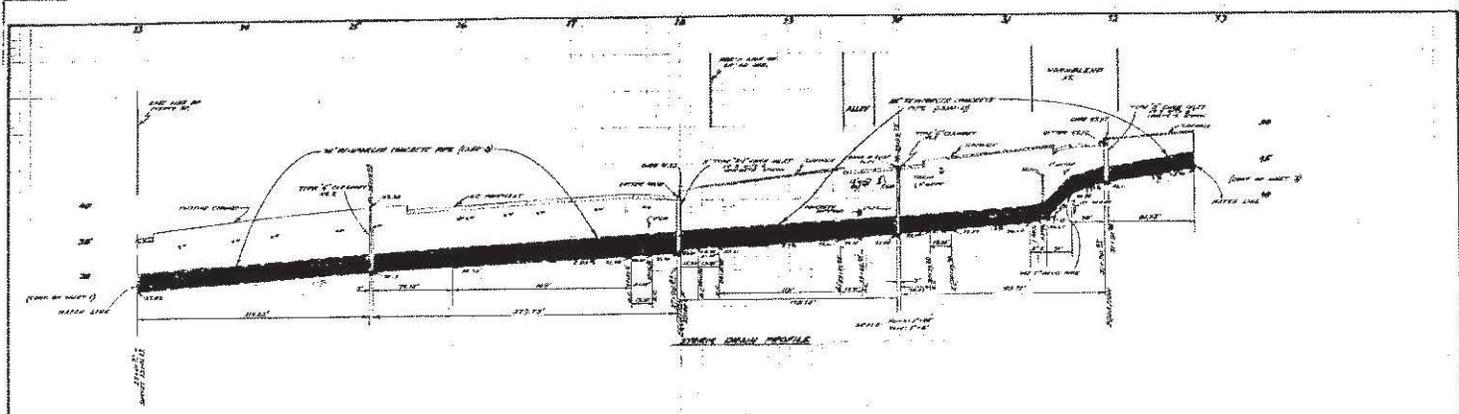
DAWES STREET STORM DRAIN

CITY OF SAN DIEGO

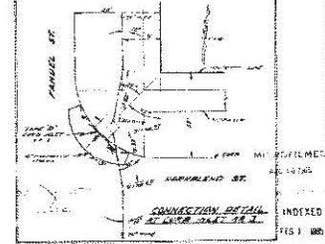
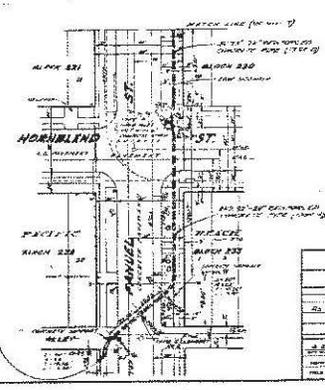
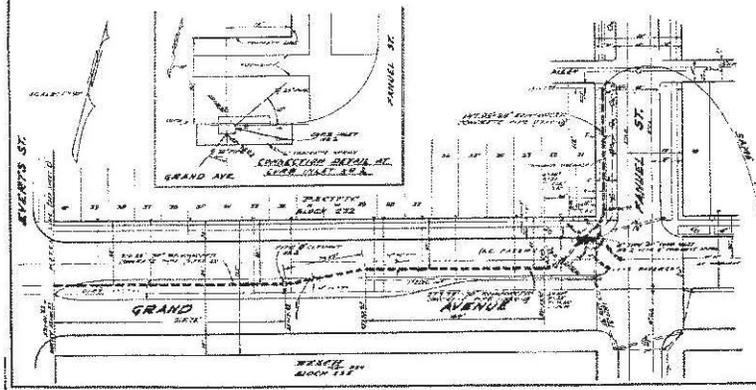
PROJECT NO.	11739-D	DATE	11/19/24
DESIGNED BY	J. J. ...	CHECKED BY	...
DRAWN BY	...	DATE	...
SCALE	AS SHOWN	PROJECT	...
DATE	...	BY	...
APPROVED BY	...	DATE	...

AS BUILT

1" = 40' REDUCTION

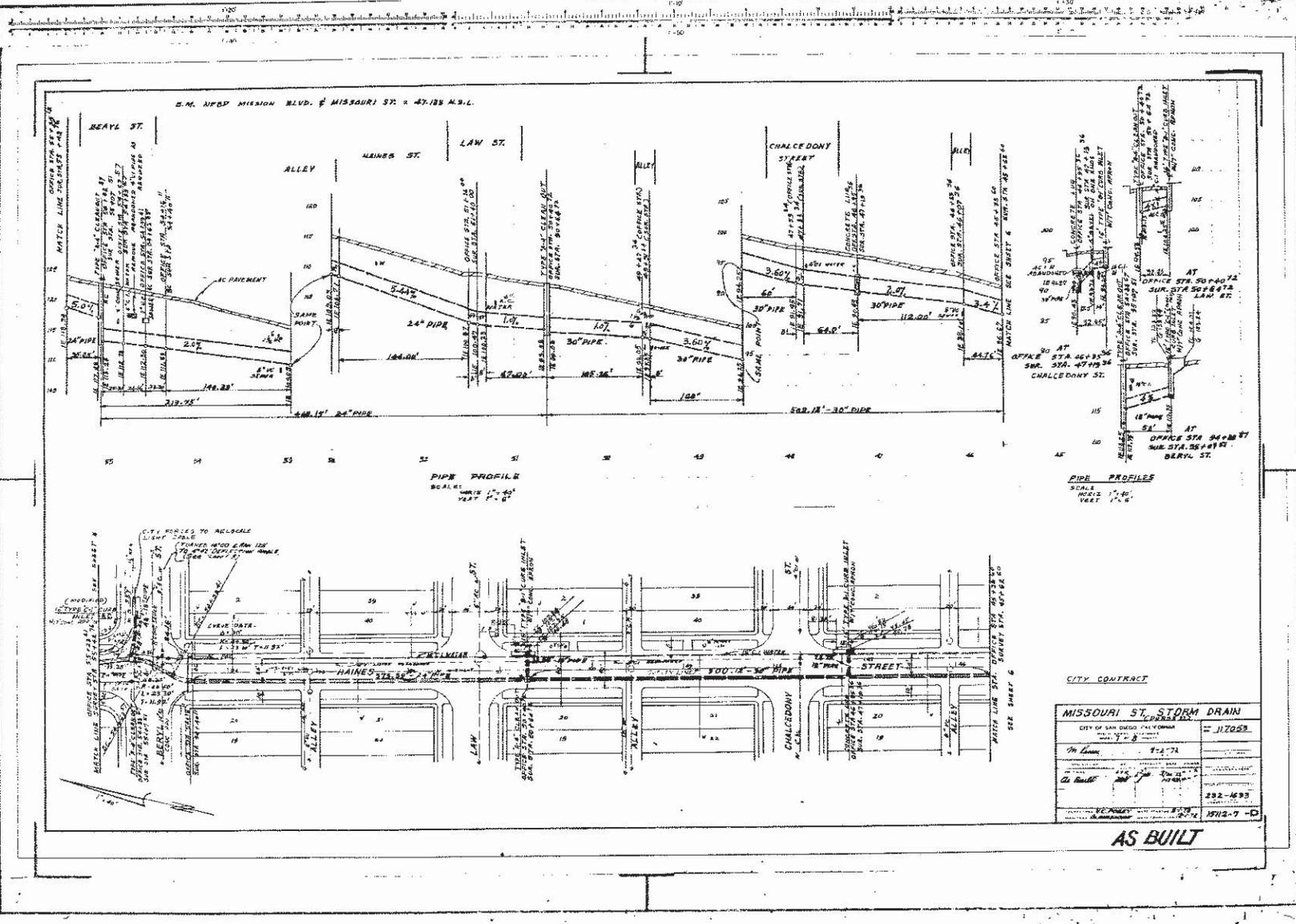


SEWER MARK:
 IN PLACE, PAVING WITH CURB
 FOUND STREET, CITY ASSESS (1911)



DAWES STREET SEWER DRAIN	
CITY OF SAN DIEGO	NO. 17476
DATE: 2 14 76	
DESIGNED BY: E. J. Anderson	1/15/61
CHECKED BY: J. J. H.	
DATE: 11 11	
PROJECT NO. 11739-2-D	

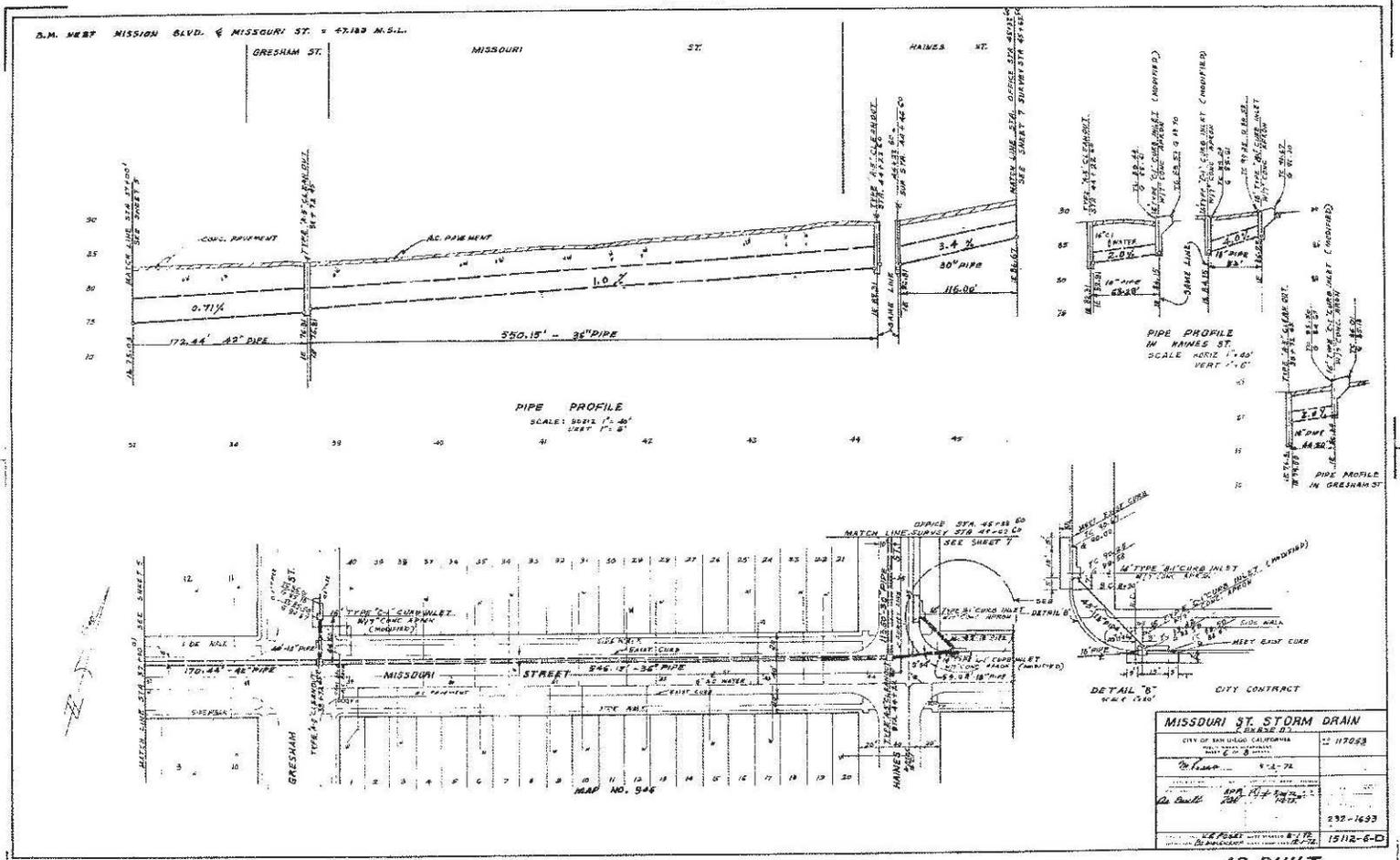
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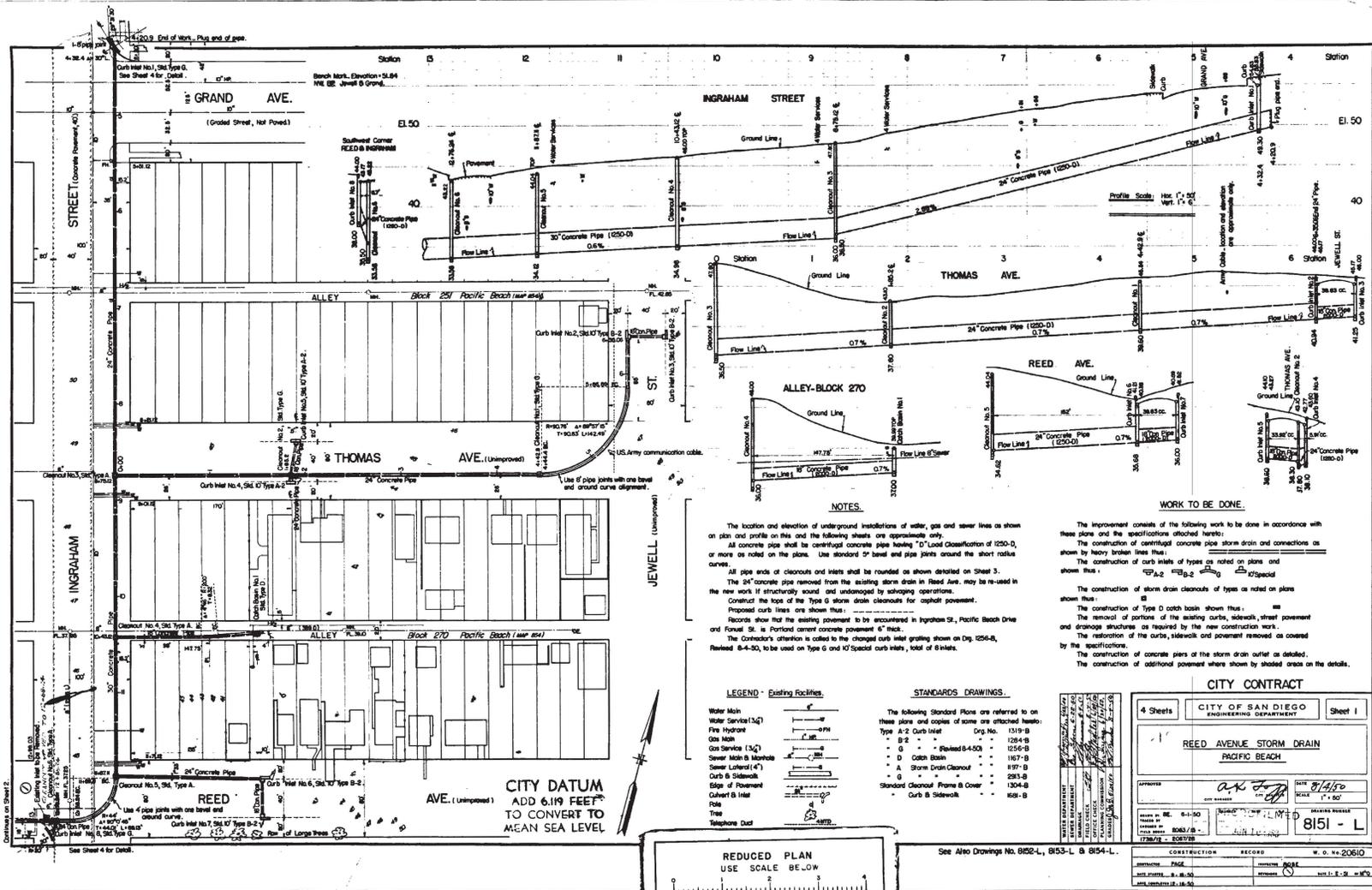


CITY CONTRACT

MISSOURI ST. STORM DRAIN	
CITY OF SAN DIEGO, CALIFORNIA	
Contract No.	117052
On Date	7-2-74
By Order	117052
282-4693	
1973-7 - D	

AS BUILT





NOTES.

The location and elevation of underground installations of water, gas and sewer lines as shown on plan and profile on this and the following sheets are approximate only.

All concrete pipe shall be centrifugal concrete pipe having "D" Load Classification of 1200-D, or more as noted on the plans. Use standard or hand and pipe joints around the short radius curves.

All pipe ends of cleanouts and inlets shall be rounded as shown detailed on Sheet 3.

The 24" concrete pipe removed from the existing storm drain in Reed Ave. may be re-used in the new work if structurally sound and unobscured by subsequent operations.

Construct the tops of the Type G storm drain cleanouts for asphalt pavement.

Proposed curb lines are shown thus:

Records show that the existing pavement to be reconstructed in Inghram St., Pacific Beach Drive and Fossil St. is Portland cement concrete pavement 6" thick.

The Contractor's attention is called to the changed curb inlet grating shown on Dig. 1206-B, Revised. 8-4-50, to be used on Type G and 10" special curb inlets, total of 8 inlets.

LEGEND - Existing Facilities.

Water Main	
Water Service (1/2")	
Fire Hydrant	
Gas Main	
Gas Service (1/2")	
Sanitary Main & Submain	
Sanitary Lateral (4")	
Curb & Sidewalk	
Slope of Pavement	
Curb & Inlet	
Pole	
Tree	
Telephone Duct	

STANDARDS DRAWINGS.

The following Standard Plans are referred to on these plans and copies of some are attached hereto:

Type A-2 Curb Inlet	Div. No. 1519-B
" B-2 "	" 1294-B
" G "	" Revised 8-4-50 - 1256-B
" D Curb Basin	" 1167-B
" A Storm Drain Cleanout	" 1197-B
" G "	" 293-B
Standard Cleanout Frame & Cover	" 1204-B
" Curb & Sidewalk	" 1601-B

WORK TO BE DONE.

The improvement consists of the following work to be done in accordance with these plans and the specifications attached hereto:

The construction of centrifugal concrete pipe storm drain and connections as shown by heavy broken lines thus:

The construction of curb inlets of types as noted on plans and shown thus:

The construction of storm drain cleanouts of types as noted on plans and shown thus:

The construction of Type D curb basin shown thus:

The removal of portions of the existing curbs, sidewalk, street pavement and drainage structures as required by the new construction work.

The restoration of the curbs, sidewalk and pavement removed as covered by the specifications.

The construction of concrete piers of the storm drain outlet as detailed.

The construction of additional pavement where shown by shaded areas on the details.

CITY CONTRACT

4 Sheets CITY OF SAN DIEGO ENGINEERING DEPARTMENT Sheet 1

REED AVENUE STORM DRAIN
PACIFIC BEACH

APPROVED: DATE: 7/14/50
SCALE: 1" = 40'

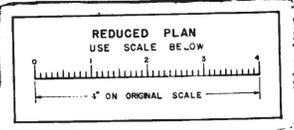
DESIGNED BY: DATE: 7/14/50
CHECKED BY: DATE: 7/14/50

CONSTRUCTION RECORD

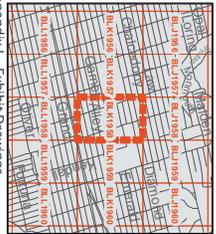
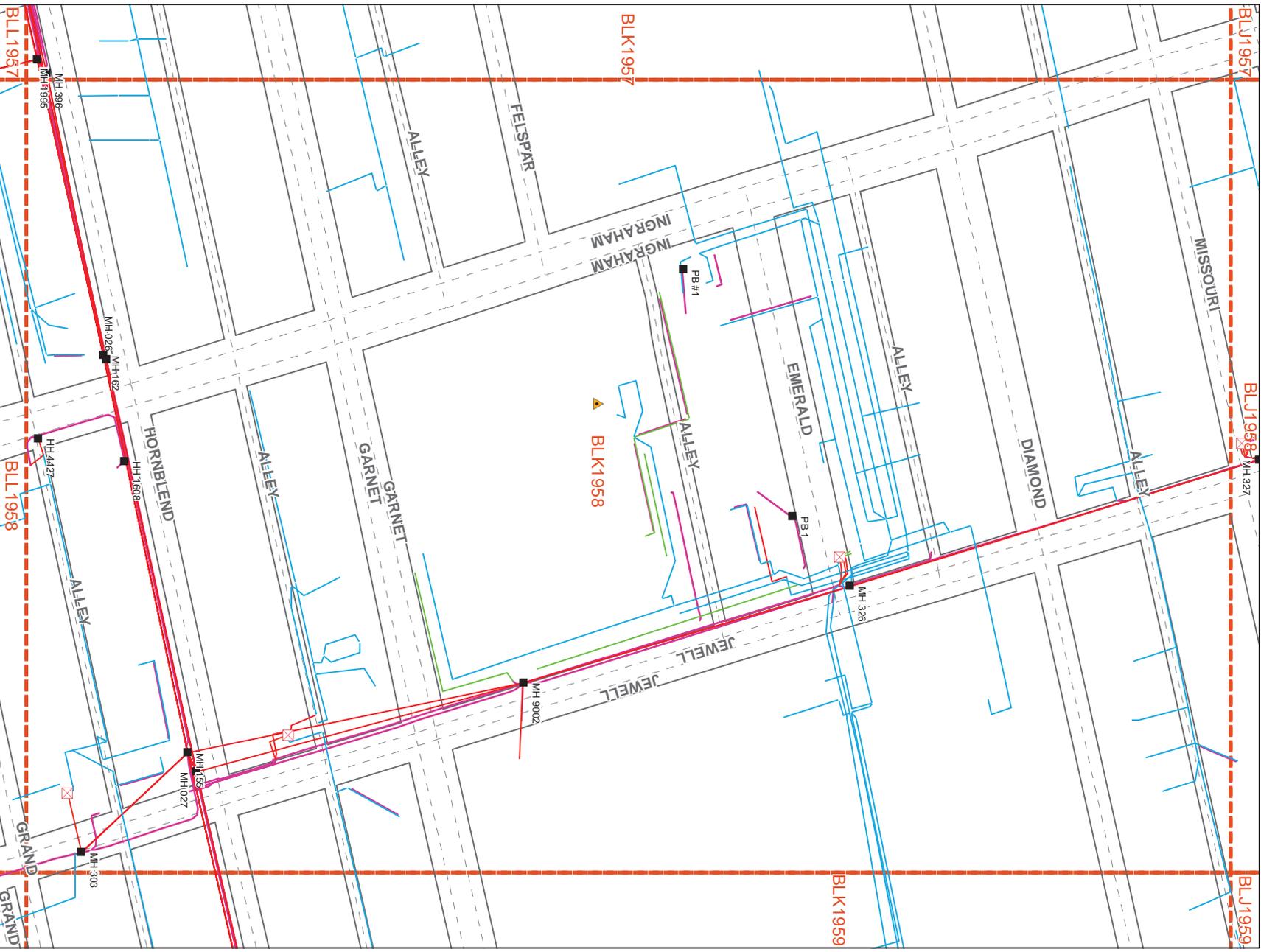
DATE	PAGE	REVISION	SCALE
7/14/50	1	1	1" = 40'

W. O. No. 20610

8151 - L



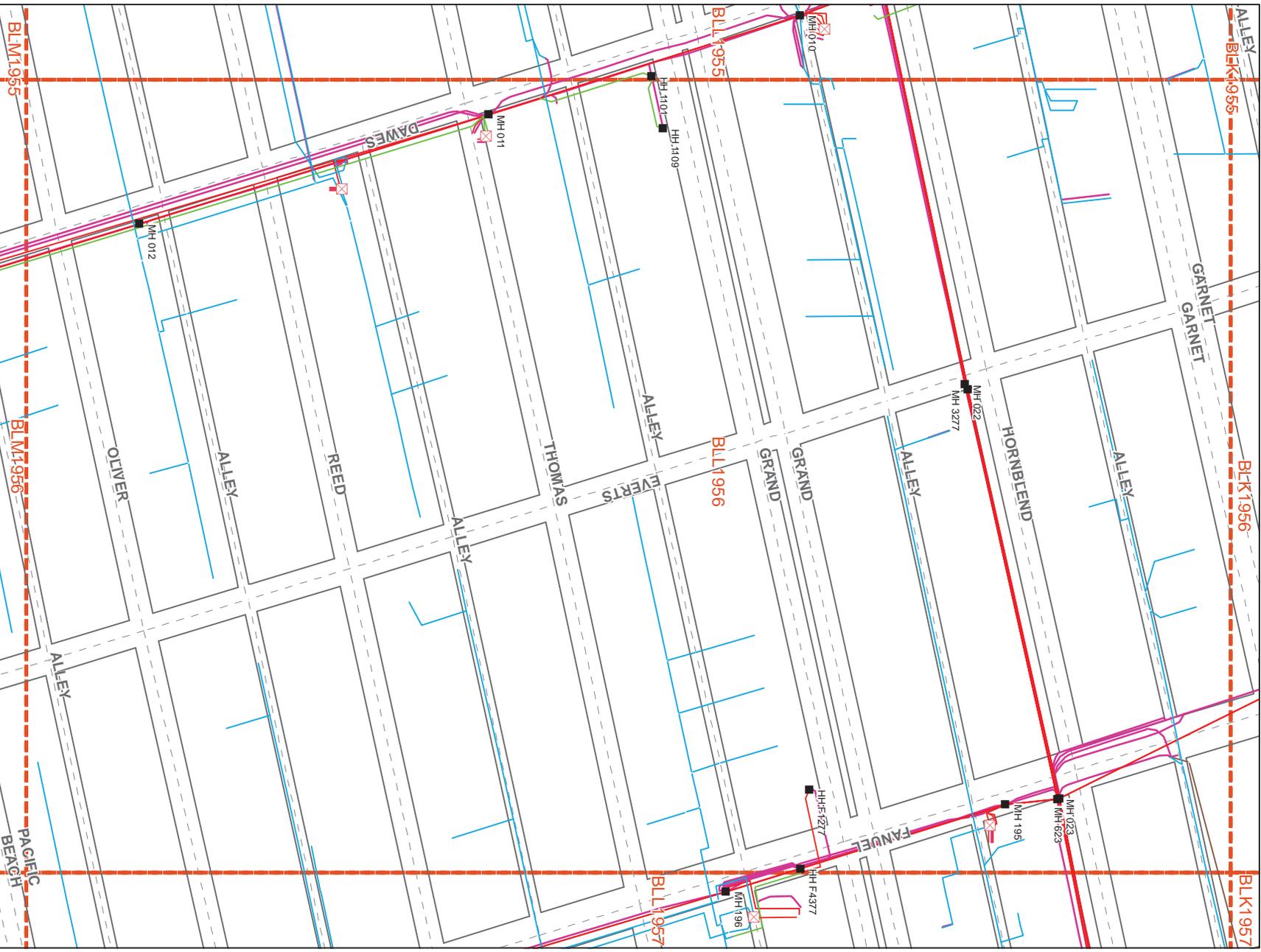
See Also Drawings No. 8152-L, 8153-L & 8154-L.



1:1,820

- SAs
- Manholes
- Remote Terminals
- Mapping Index
- Street Centerlines
- Street Edges
- N
- Conduit
- Aerial
- Buried
- Underground

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BLM1955

BLM1956

BLM1957

BLK1955

BLK1956

BLK1957



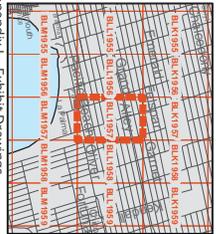
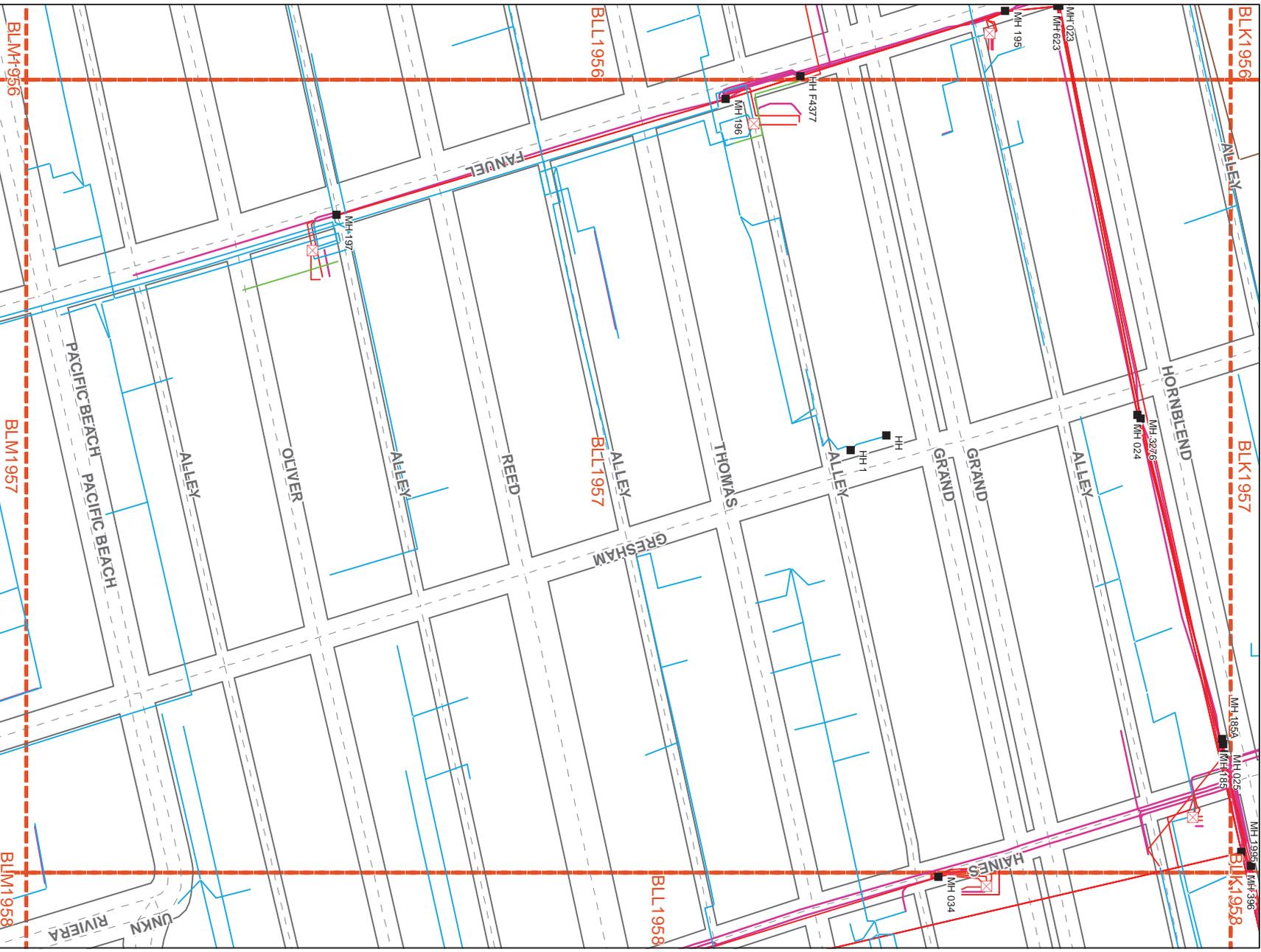
1:1,820

- ☒ Sals
- Manholes
- ☒ Conduit
- ☒ Cables
- ☒ Aerial
- ☒ Buried
- ☒ Underground
- ☒ Street Centerlines

- ☒ Street Edges
- ☒ Mapping Index

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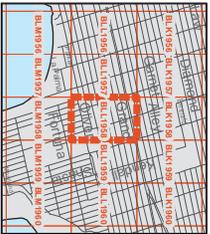
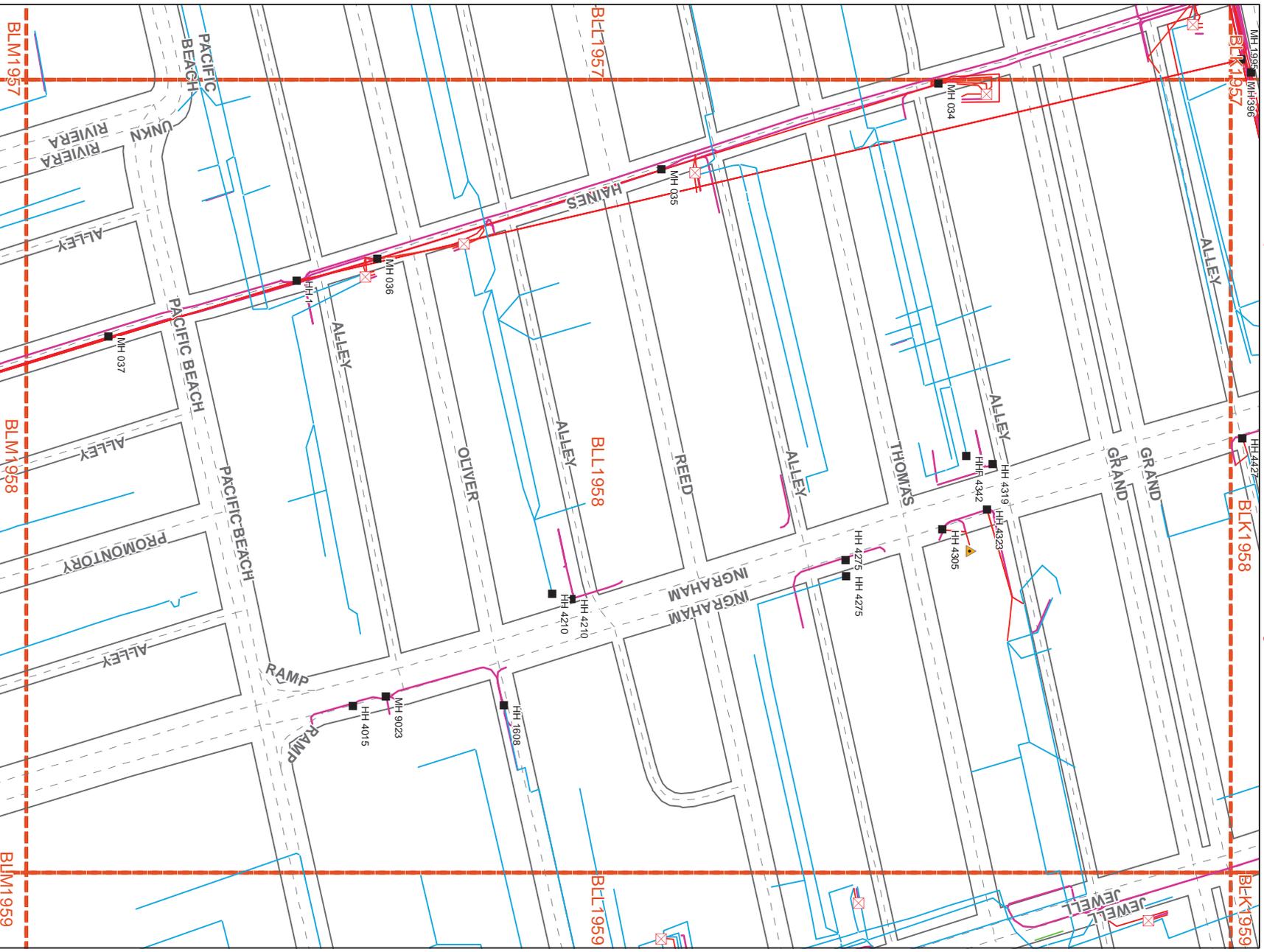


1:1,820

- Sals
- Manholes
- Conduit
- Aerial Cables
- Buried Cables
- Street Centerlines

- Street Edges
- Mapping Index

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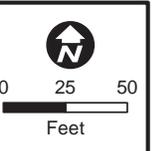


1:1,820

- SALS
- Manholes
- Remote Terminals
- Conduit
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- Buried
- Underground
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15645-119065



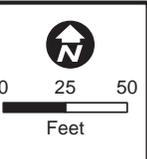
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Printed By: CORPJMitchel
Printed Date: 3/8/2016

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15637-119060

15652-119060

15645-119075



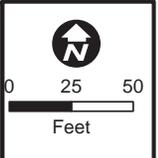
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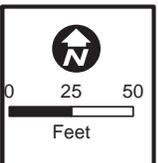
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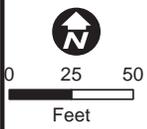


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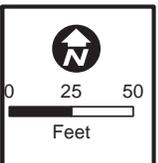
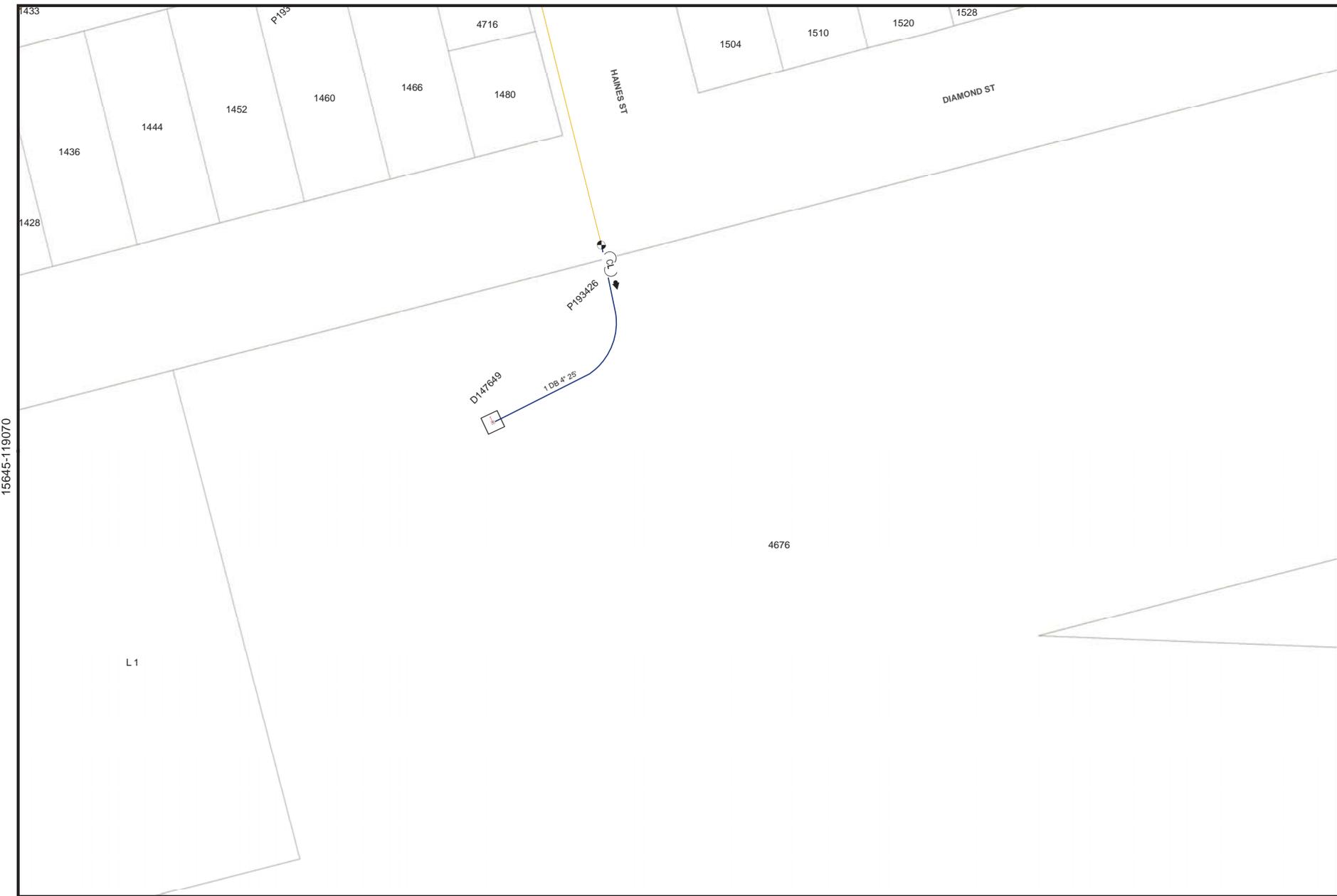
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15637-119085

15652-119085





Map Number: 15652-119070
Map Type: Conductor Path Map
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Printed Date: 3/8/2016

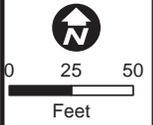
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15645-119070

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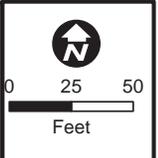


Map Number: 15652-119075
Map Type: Conductor Path Map
Printed By: CORPJMitchel
Printed Date: 3/8/2016

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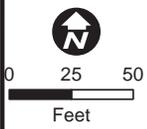
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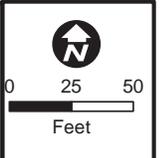
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 Map Type: **Conductor Path Map**
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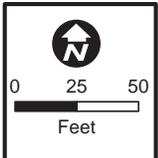
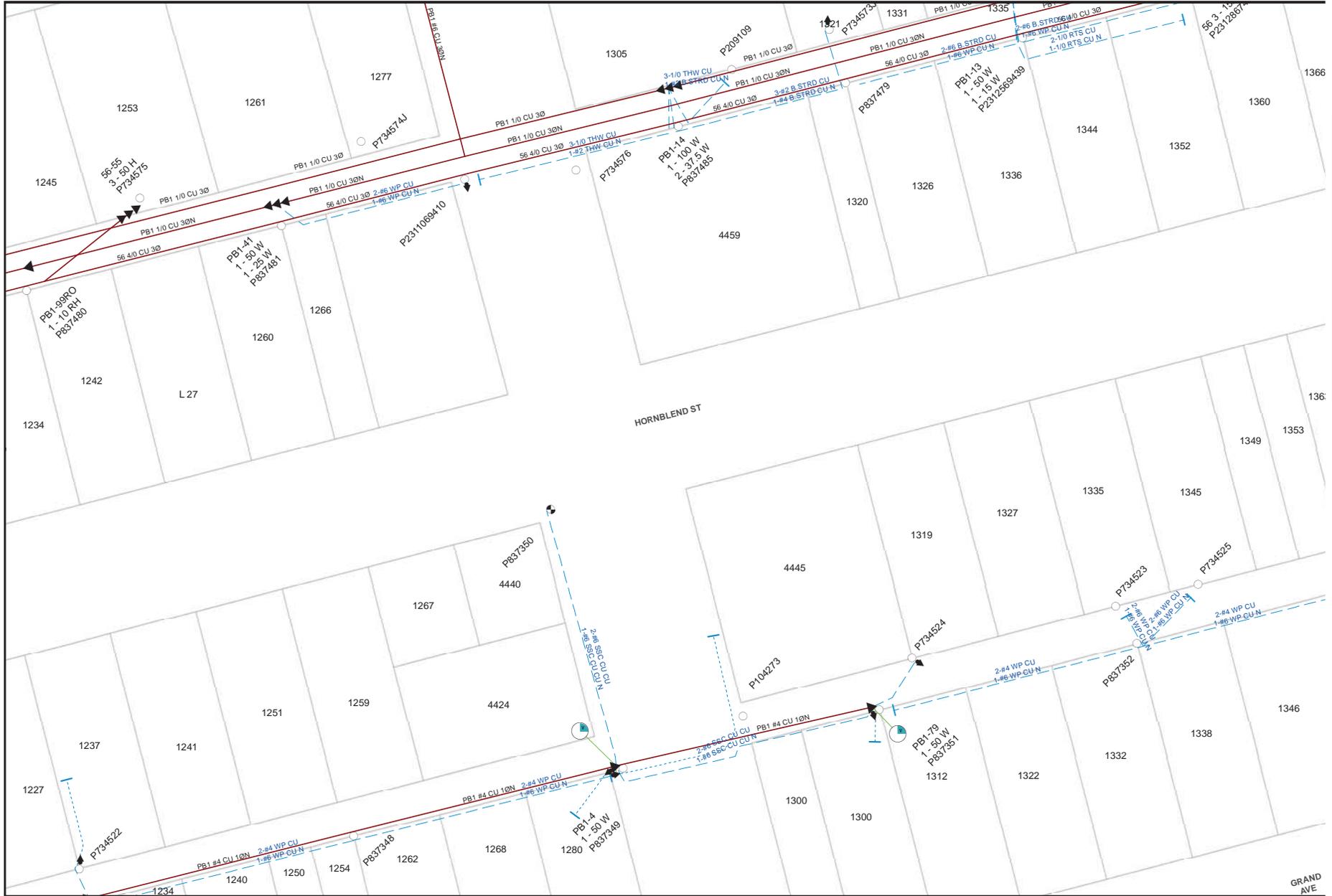


Map Number: 15660-119050
Map Type: Conductor Path Map
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15645-119060



Map Number: 15645-119055
 Map Type: **Electric Asset Map**
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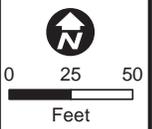
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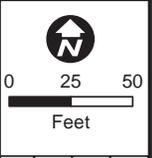


Map Number: 15645-119070
Map Type: Electric Asset Map
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15645-119080



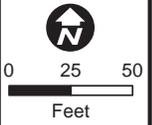
Map Number: 15645-119075
 Map Type: **Electric Asset Map**
 Printed By: CORPJMitchel
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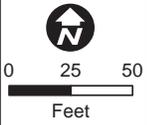


Map Number: 15652-119050
Map Type: Electric Asset Map
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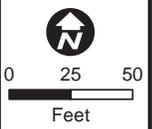


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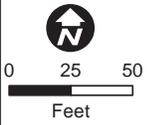
Map Number: 15652-119070
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Printed By: CORPJMitchel
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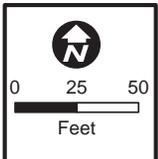
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Map Type: Electric Asset Map
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ATTACHMENT F
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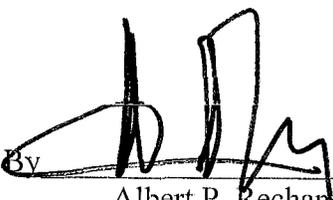
ATTACHMENT G
CONTRACT AGREEMENT

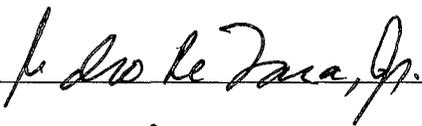
CONTRACT AGREEMENT (continued)

IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to Resolution No. R - N/A or Municipal Code § 22.310 authorizing such execution.

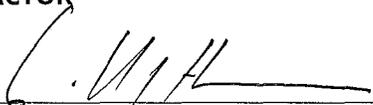
THE CITY OF SAN DIEGO

APPROVED AS TO FORM

By 
Albert P. Rechany
Deputy Director
Public Works Contracts
Date: 5/24/17

Mara W. Elliott, City Attorney
By 
Print Name: Pedro De Lara, Jr.
Deputy City Attorney
Date: 5/31/17

CONTRACTOR

By 
Print Name: Paul M. Henderson
Title: President
Date: 5/22/17

City of San Diego License No.: 01995007394

State Contractor's License No.: 398284

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000008298

CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and KTA Construction, Inc., herein called "Contractor" for construction of **AC Water Group 1018A**; Bid No. **K-17-1579-DBB-3**; in the amount of **Five Million Two Hundred Twenty Six Thousand One Hundred Seven Dollars and Fifty Cents(\$5,226,107.50)**, which is comprised of the Base Bid

IN CONSIDERATION of the payments to be made hereunder and the mutual undertakings of the parties hereto, City and Contractor agree as follows:

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) Phase Funding Schedule Agreement.
 - (e) That certain documents entitled **AC Water Group 1018A**, on file in the office of the Public Works Department as Document No. **B-16146**, 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 Group 1018A**, Bid Number **K-17-1579-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.

CERTIFICATIONS AND FORMS

The Bidder / Proposer, by submitting its electronic bid or proposal, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certifications, forms and affidavits submitted as part of this submission are true and correct.

Bidder's General Information

To the City of San Diego:

Pursuant to "Notice Inviting Bids", specifications, and requirements on file with the City Clerk, and subject to all provisions of the Charter and Ordinances of the City of San Diego and applicable laws and regulations of the United States and the State of California, the undersigned hereby proposes to furnish to the City of San Diego, complete at the prices stated herein, the items or services hereinafter mentioned. The undersigned further warrants that this bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

The undersigned bidder(s) further warrants that bidder(s) has thoroughly examined and understands the entire Contract Documents (plans and specifications) and the Bidding Documents therefore, and that by submitting said Bidding Documents as its bid proposal, bidder(s) acknowledges and is bound by the entire Contract Documents, including any addenda issued thereto, as such Contract Documents incorporated by reference in the Bidding Documents.

**NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID UNDER 23
UNITED STATES CODE 112 AND PUBLIC CONTRACT CODE 7106**

State of California

County of San Diego

The bidder, being first duly sworn, deposes and says that he or she is authorized by the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 7-13.3, "Drug-Free Workplace", of the project specifications, and that;

This company_has in place a drug-free workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of subdivisions a) through c) of the policy as outlined.

CONTRACTOR CERTIFICATION

AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities Act", of the project specifications, and that:

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

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

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

I further certify that each of the Contractor's subcontractors whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

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.

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:

(Name of Project or Task)

as particularly described in said contract and identified as Bid No. **K-17-1579-DBB-3**; SAP No. (WBS/IO/CC) **B-16146**; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

NOW, THEREFORE, in consideration of the final payment by the City of San Diego to said Contractor under the terms of said contract, the undersigned Contractor, does hereby affirm that all surplus materials as described in said contract have been disposed of at the following location(s)

and that they have been disposed of according to all applicable laws and regulations.

Dated this _____ DAY OF _____, _____.

By: _____
Contractor

ATTEST:
State of _____ County of _____

On this _____ DAY OF _____, 2____, before the undersigned, a Notary Public in and for said County and State, duly commissioned and sworn, personally appeared _____ known to me to be the _____ Contractor named in the foregoing Release, and whose name is subscribed thereto, and acknowledged to me that said Contractor executed the said Release.

Notary Public in and for said County and State

LIST OF SUBCONTRACTORS

***** PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY *** TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY Y*** 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 ^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 |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

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

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ^②
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						

① As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE,SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

② As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC		
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

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SUBCONTRACTORS ADDITIVE/DEDUCTIVE ALTERNATE

*** 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	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
	Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							
	Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							

① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
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② As appropriate, Bidder shall indicate if Subcontractor is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC	State of California's Department of General Services	CADoGS
City of Los Angeles	LA	State of California	CA
U.S. Small Business Administration	SBA		

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

ELECTRONICALLY SUBMITTED FORMS

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

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

A. BID BOND – See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions

B. CONTRACTOR’S CERTIFICATION OF PENDING ACTIONS

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

BID BOND

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

KNOW ALL MEN BY THESE PRESENTS,

That _____ as Principal, and
_____ 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

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 _____ day of _____, 20_____

(Principal) (SEAL)

(Surety) (SEAL)

By: _____
(Signature)

By: _____
(Signature)

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

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

CHECK ONE BOX ONLY.

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

The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

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

Contractor Name: KIA CONSTRUCTION INC

Certified By PAUL M. HENNINGSON Title PERMANT
Name

C. HILL Date 5-23-17
Signature

USE ADDITIONAL FORMS AS NECESSARY

PHASED FUNDING SCHEDULE AGREEMENT

Check one:

- First Phased Funding Schedule Agreement
- Final Phased Funding Schedule Agreement

BID NUMBER: K-17-1579-DBB-3

CONTRACT OR TASK TITLE: AC Water Group 1018A

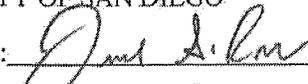
CONTRACTOR: KTA Construction, INC.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Work to be completed in Phase 1 shall include the construction activities associated with this contract and specifications.	NTP	8/31/2017	\$522,611.00
2	Work to be completed in Phase 2 shall include all remaining construction activities associated with this contract and specifications.	9/1/2017	NOC	\$4,703,496.50
Total				\$5,226,107.50

Notes:

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

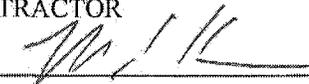
CITY OF SAN DIEGO

By: 
 Name: JAIME RAMOS
 Project Manager

Department Name: Public Works - Engineering

Date: 05/31/2017

CONTRACTOR

By: 
 Name: MIKE HENDERSON

Title: PRESIDENT

Date: 5/31/17

-END OF PHASED FUNDING SCHEDULE AGREEMENT-

Bid Results

Bidder Details

Vendor Name KTA Construction, Inc.
Address 821 Tavern Rd.
 Alpine, CA 91901
 United States

Respondee Mike Henderson
Respondee Title President
Phone 619-562-9464 Ext.
Email adam@ktaconstruction.com

Vendor Type PQUAL,CADIR,Local
License # 398284
CADIR 1000008298

Bid Detail

Bid Format Electronic
Submitted May 2, 2017 1:57:39 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 104796
Ranking 0

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
Cert of Pending Actions	Cert of Pending Actions.pdf	Contractor's Certification of Pending Actions
Subcontractor Add/Ded Alternates	Sub Add-Ded Alts.pdf	Subcontractor Additive/Deductive Alternate Forms
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	\$45,000.00	\$45,000.00	
2	WPCP Development					
	541330	LS	1	\$1,000.00	\$1,000.00	
3	WPCP Implementation					
	237110	LS	1	\$20,000.00	\$20,000.00	
4	Video Recording of Existing Conditions					
	238990	LS	1	\$1,500.00	\$1,500.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
5	Mobilization					
	237110	LS	1	\$88,000.00	\$88,000.00	
6	Field Orders (EOC Type II)					
		AL	1	\$123,793.00	\$123,793.00	
7	Additional Pavement Removal and Disposal					
	237310	CY	47	\$20.00	\$940.00	
8	Adjust Existing Manhole Frame and Cover to Grade					
	237310	EA	1	\$750.00	\$750.00	
9	Traffic Detector Loop and Appurtenance Replacement					
	237310	EA	2	\$600.00	\$1,200.00	
10	Cold Mill AC Pavement (> 1½ inch - 3 inch)					
	237310	SF	15240	\$1.20	\$18,288.00	
11	Asphalt Pavement Repair					
	237310	TON	9	\$550.00	\$4,950.00	
12	Rubber Polymer Modified Slurry (RPMS) Type I Over Type III and Striping					
	237310	SF	644520	\$0.40	\$257,808.00	
13	Pavement Restoration Adjacent to Trench					
	237310	SF	500	\$15.00	\$7,500.00	
14	1-1/2 Inch Asphalt Concrete Overlay and Striping					
	237310	TON	1791	\$105.00	\$188,055.00	
15	Concrete Pavement (7 Inch thick)					
	238910	CY	412	\$375.00	\$154,500.00	
16	Crack Seal					
	237310	LB	6439	\$3.00	\$19,317.00	
17	Contractor Date Stamps and Impressions					
	237310	EA	14	\$300.00	\$4,200.00	
18	Additional Curb and Gutter Removal and Replacement					
	237310	LF	95	\$70.00	\$6,650.00	
19	Additional Sidewalk Removal and Replacement					
	237310	SF	950	\$15.00	\$14,250.00	
20	Curb Ramp (Type A) with Detectable Warning Tiles					
	237310	EA	26	\$3,500.00	\$91,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
21	Curb Ramp (Type B) with Stainless Steel Detectable Warning Tiles					
	237310	EA	3	\$3,500.00	\$10,500.00	
22	Curb Ramp (Type C1) with Detectable Warning Tiles					
	237310	EA	1	\$3,500.00	\$3,500.00	
23	Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles					
	237310	EA	6	\$3,500.00	\$21,000.00	
24	Removal of Abandoned Water Meter Box					
	237110	EA	3	\$100.00	\$300.00	
25	Handling and Disposal of Non-friable Asbestos Material					
	237110	LF	18587	\$5.00	\$92,935.00	
26	Additional Bedding					
	237110	CY	517	\$1.00	\$517.00	
27	Water Main (12 Inch)					
	237110	LF	12342	\$90.00	\$1,110,780.00	
28	Water Main (8 Inch)					
	237110	LF	6245	\$90.00	\$562,050.00	
29	Gate Valve (12 Inch)					
	237110	EA	10	\$2,500.00	\$25,000.00	
30	Gate Valve (8 Inch)					
	237110	EA	9	\$1,500.00	\$13,500.00	
31	Fire Hydrant Assembly and Marker (6 Inch)					
	237110	EA	25	\$6,500.00	\$162,500.00	
32	Fire Service Connection and Assembly (8 Inch)					
	237110	EA	1	\$6,000.00	\$6,000.00	
33	Fire Service Connection and Assembly (6 Inch)					
	237110	EA	1	\$5,000.00	\$5,000.00	
34	Water Service (1 Inch)					
	237110	EA	568	\$1,900.00	\$1,079,200.00	
35	Water Service (2 Inch)					
	237110	EA	17	\$2,300.00	\$39,100.00	
36	Meter Boxes					
	237110	EA	2	\$350.00	\$700.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
37	Temporary Resurfacing					
	237310	TON	906	\$110.00	\$99,660.00	
38	Abandon Water Services (Stiffs)					
	237110	EA	2	\$500.00	\$1,000.00	
39	Survey Monument					
	238990	EA	1	\$1,000.00	\$1,000.00	
40	Thermoplastic Pavement Markings					
	237310	LS	1	\$15,000.00	\$15,000.00	
41	Traffic Control					
	237310	LS	1	\$10,000.00	\$10,000.00	
42	High-lining Removed by the Contractor					
	237110	LF	37174	\$5.00	\$185,870.00	
43	Pavement Restoration for Final Connection					
	237110	SF	500	\$15.00	\$7,500.00	
				Subtotal	\$4,501,313.00	
	Alternate A Items					
44	High-lining Installation by the Contractor					
	237110	LF	37174	\$8.75	\$325,272.50	
45	Furnished Materials for Contractor High-line Work					
	237110	LF	37174	\$3.00	\$111,522.00	
				Subtotal	\$436,794.50	
	Alternate B Items					
46	Connections to The Existing System by Contractor (8 Inch through 12 Inch)					
	237110	EA	34	\$4,500.00	\$153,000.00	
47	Connections to The Existing System by Contractor (16 Inch)					
	237110	EA	1	\$4,500.00	\$4,500.00	
48	8-Inch through 12-Inch Cross by Contractor					
	237110	EA	6	\$5,500.00	\$33,000.00	
49	Cut and Plug by Contractor					
	237110	EA	13	\$7,500.00	\$97,500.00	
				Subtotal	\$288,000.00	
				Total	\$5,226,107.50	

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
American Asphalt South, Inc. PO Box 310036 14436 Santa Ana Ave Fontana, CA 92331 United States	Slurry Seal	784969	100000645	\$231,046.35	CAU,MALE,PQUAL, CADIR
		PlanetBids, Inc.			

Bid Results

Name & Address	Description	License Num	CADIR	Amount	Type
Quality Construction & Engineering Inc. 11956 Bernardo Plaza Drive #133 san diego, CA 92128 United States	AC Paving, and Concrete Flatwork	1005282	1000026419	\$1,004,244.70	PQUAL,SLBE,CADIR,SDB
McGrath Consulting PO BOX 2488 El Cajon, CA 92021 United States	WPCP	N/A	1000037165	\$550.00	ELBE,SDB
Luzach Striping, Inc. dba LSI Road Marking P.O. Box 2426 El Cajon, CA 92021 United States	Striping	775886	1000003495	\$27,127.85	PQUAL
Sutherlin Contracting, Inc. 2007 Muira Lane El Cajon, CA 92019 United States	Traffic Loops	787127	1000008101	\$1,500.00	PQUAL,SLBE
T L Scanlan Construction 2308 shaylene Way alpine, CA 91901 United States	Concrete Pavement Replacement	1008991	1000036079	\$131,128.00	

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.

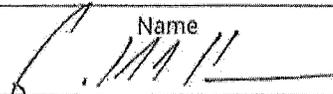
CHECK ONE BOX ONLY.

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

Contractor Name: KTA Construction Inc.

Certified By Paul M. Henderson Title President

 Signature Date 05/02/2017

USE ADDITIONAL FORMS AS NECESSARY

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

ALTERNATE A

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
ADD	Name: <u>QUALITY CONSTRUCTION AND ENGINEERING, INC.</u> Address: <u>11956 BERNARDS PLAZA DR, #133</u> City: <u>SAN DIEGO</u> State: <u>CA</u> Zip: <u>92128</u> Phone: <u>714-585-1505</u> Email: <u>QUALITYENGINEERING@GMAIL.COM</u>	CONSTRUCTOR	1005282	AC PAVEMENT	\$26,920.00	SLBE	CITY	
	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 |
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| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Subcontractor is certified by:
- | | | | |
|--|------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | State of California's Department of General Services | CADoGS |
| City of Los Angeles | LA | State of California | CA |
| U.S. Small Business Administration | SBA | | |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification

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

ALTERNATE B

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 [ⓐ]	WHERE CERTIFIED [ⓑ]	CHECK IF JOINT VENTURE PARTNERSHIP
	Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____	N/A						
	Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____	N/A						

- ⓐ 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 |
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| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ⓑ As appropriate, Bidder shall indicate if Subcontractor is certified by:
- | | | | |
|--|------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | State of California's Department of General Services | CADoGS |
| City of Los Angeles | LA | State of California | CA |
| U.S. Small Business Administration | SBA | | |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification

PHASED FUNDING SCHEDULE AGREEMENT

Check one:

- First Phased Funding Schedule Agreement
- Final Phased Funding Schedule Agreement

BID NUMBER: K-17-1579-DBB-3

CONTRACT OR TASK TITLE: AC Water Group 1018A

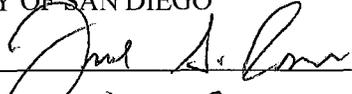
CONTRACTOR: KTA Construction, INC.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Work to be completed in Phase 1 shall include the construction activities associated with this contract and specifications.	NTP	8/31/2017	\$522,611.00
2	Work to be completed in Phase 2 shall include all remaining construction activities associated with this contract and specifications.	9/1/2017	NOC	\$4,703,496.50
			Total	\$5,226,107.50

Notes:

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

CITY OF SAN DIEGO

By: 

Name: JAIMÉ RAMOS
Project Manager

Department Name: PUBLIC WORKS - BUSINESS

Date: 05/31/2017

CONTRACTOR

By: 

Name: MIKE HENDERSON

Title: PRESIDENT

Date: 5/31/17

-END OF PHASED FUNDING SCHEDULE AGREEMENT-

Bid Results

Bidder Details

Vendor Name KTA Construction, Inc.
Address 821 Tavern Rd.
 Alpine, CA 91901
 United States
Respondee Mike Henderson
Respondee Title President
Phone 619-562-9464 Ext.
Email adam@ktaconstruction.com
Vendor Type PQUAL,CADIR,Local
License # 398284
CADIR 1000008298

Bid Detail

Bid Format Electronic
Submitted May 2, 2017 1:57:39 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 104796
Ranking 0

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
Cert of Pending Actions	Cert of Pending Actions.pdf	Contractor's Certification of Pending Actions
Subcontractor Add/Ded Alternates	Sub Add-Ded Alts.pdf	Subcontractor Additive/Deductive Alternate Forms
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	\$45,000.00	\$45,000.00	
2	WPCP Development					
	541330	LS	1	\$1,000.00	\$1,000.00	
3	WPCP Implementation					
	237110	LS	1	\$20,000.00	\$20,000.00	
4	Video Recording of Existing Conditions					
	238990	LS	1	\$1,500.00	\$1,500.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
5	Mobilization					
	237110	LS	1	\$88,000.00	\$88,000.00	
6	Field Orders (EOC Type II)					
		AL	1	\$123,793.00	\$123,793.00	
7	Additional Pavement Removal and Disposal					
	237310	CY	47	\$20.00	\$940.00	
8	Adjust Existing Manhole Frame and Cover to Grade					
	237310	EA	1	\$750.00	\$750.00	
9	Traffic Detector Loop and Appurtenance Replacement					
	237310	EA	2	\$600.00	\$1,200.00	
10	Cold Mill AC Pavement (> 1½ inch - 3 inch)					
	237310	SF	15240	\$1.20	\$18,288.00	
11	Asphalt Pavement Repair					
	237310	TON	9	\$550.00	\$4,950.00	
12	Rubber Polymer Modified Slurry (RPMS) Type I Over Type III and Striping					
	237310	SF	644520	\$0.40	\$257,808.00	
13	Pavement Restoration Adjacent to Trench					
	237310	SF	500	\$15.00	\$7,500.00	
14	1-1/2 Inch Asphalt Concrete Overlay and Striping					
	237310	TON	1791	\$105.00	\$188,055.00	
15	Concrete Pavement (7 Inch thick)					
	238910	CY	412	\$375.00	\$154,500.00	
16	Crack Seal					
	237310	LB	6439	\$3.00	\$19,317.00	
17	Contractor Date Stamps and Impressions					
	237310	EA	14	\$300.00	\$4,200.00	
18	Additional Curb and Gutter Removal and Replacement					
	237310	LF	95	\$70.00	\$6,650.00	
19	Additional Sidewalk Removal and Replacement					
	237310	SF	950	\$15.00	\$14,250.00	
20	Curb Ramp (Type A) with Detectable Warning Tiles					
	237310	EA	26	\$3,500.00	\$91,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
21	Curb Ramp (Type B) with Stainless Steel Detectable Warning Tiles 237310	EA	3	\$3,500.00	\$10,500.00	
22	Curb Ramp (Type C1) with Detectable Warning Tiles 237310	EA	1	\$3,500.00	\$3,500.00	
23	Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles 237310	EA	6	\$3,500.00	\$21,000.00	
24	Removal of Abandoned Water Meter Box 237110	EA	3	\$100.00	\$300.00	
25	Handling and Disposal of Non-friable Asbestos Material 237110	LF	18587	\$5.00	\$92,935.00	
26	Additional Bedding 237110	CY	517	\$1.00	\$517.00	
27	Water Main (12 Inch) 237110	LF	12342	\$90.00	\$1,110,780.00	
28	Water Main (8 Inch) 237110	LF	6245	\$90.00	\$562,050.00	
29	Gate Valve (12 Inch) 237110	EA	10	\$2,500.00	\$25,000.00	
30	Gate Valve (8 Inch) 237110	EA	9	\$1,500.00	\$13,500.00	
31	Fire Hydrant Assembly and Marker (6 Inch) 237110	EA	25	\$6,500.00	\$162,500.00	
32	Fire Service Connection and Assembly (8 Inch) 237110	EA	1	\$6,000.00	\$6,000.00	
33	Fire Service Connection and Assembly (6 Inch) 237110	EA	1	\$5,000.00	\$5,000.00	
34	Water Service (1 Inch) 237110	EA	568	\$1,900.00	\$1,079,200.00	
35	Water Service (2 Inch) 237110	EA	17	\$2,300.00	\$39,100.00	
36	Meter Boxes 237110	EA	2	\$350.00	\$700.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
37	Temporary Resurfacing					
	237310	TON	906	\$110.00	\$99,660.00	
38	Abandon Water Services (Stiffs)					
	237110	EA	2	\$500.00	\$1,000.00	
39	Survey Monument					
	238990	EA	1	\$1,000.00	\$1,000.00	
40	Thermoplastic Pavement Markings					
	237310	LS	1	\$15,000.00	\$15,000.00	
41	Traffic Control					
	237310	LS	1	\$10,000.00	\$10,000.00	
42	High-lining Removed by the Contractor					
	237110	LF	37174	\$5.00	\$185,870.00	
43	Pavement Restoration for Final Connection					
	237110	SF	500	\$15.00	\$7,500.00	
				Subtotal	\$4,501,313.00	
	Alternate A Items					
44	High-lining Installation by the Contractor					
	237110	LF	37174	\$8.75	\$325,272.50	
45	Furnished Materials for Contractor High-line Work					
	237110	LF	37174	\$3.00	\$111,522.00	
				Subtotal	\$436,794.50	
	Alternate B Items					
46	Connections to The Existing System by Contractor (8 Inch through 12 Inch)					
	237110	EA	34	\$4,500.00	\$153,000.00	
47	Connections to The Existing System by Contractor (16 Inch)					
	237110	EA	1	\$4,500.00	\$4,500.00	
48	8-Inch through 12-Inch Cross by Contractor					
	237110	EA	6	\$5,500.00	\$33,000.00	
49	Cut and Plug by Contractor					
	237110	EA	13	\$7,500.00	\$97,500.00	
				Subtotal	\$288,000.00	
				Total	\$5,226,107.50	

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
American Asphalt South, Inc. PO Box 310036 14436 Santa Ana Ave Fontana, CA 92331 United States	Slurry Seal	784969	1000000645	\$231,046.35	CAU,MALE,PQUAL, CADIR
		PlanetBids, Inc.			

Bid Results

Name & Address	Description	License Num	CADIR	Amount	Type
Quality Construction & Engineering Inc. 11956 Bernardo Plaza Drive #133 san diego, CA 92128 United States	AC Paving, and Concrete Flatwork	1005282	1000026419	\$1,004,244.70	PQUAL,SLBE,CADIR,SDB
McGrath Consulting PO BOX 2488 El Cajon, CA 92021 United States	WPCP	N/A	1000037165	\$550.00	ELBE,SDB
Luzach Striping, Inc. dba LSI Road Marking P.O. Box 2426 El Cajon, CA 92021 United States	Striping	775886	1000003495	\$27,127.85	PQUAL
Sutherlin Contracting, Inc. 2007 Muira Lane El Cajon, CA 92019 United States	Traffic Loops	787127	1000008101	\$1,500.00	PQUAL,SLBE
T L Scanlan Construction 2308 shaylene Way alpine, CA 91901 United States	Concrete Pavement Replacement	1008991	1000036079	\$131,128.00	



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/17/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Michael Ehrenfeld Company 2655 Camino Del Rio North #200 San Diego CA 92108	CONTACT NAME: Lynne Robinson	
	PHONE (A/C, No, Ext): (619) 683-9990 FAX (A/C, No): (619) 683-9999 E-MAIL ADDRESS: lynner@ehrenfeldinsurance.com	
INSURED KTA Construction, Inc 821 Tavern Road Alpine CA 91901	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Valley Forge Insurance Company	
	INSURER B: Financial Pacific Insurance Company	*31453
	INSURER C: Continental Casualty Company	
	INSURER D: Homeland Insurance Company of New	34452
	INSURER E:	
	INSURER F:	

COVERAGES CERTIFICATE NUMBER: 17-18 GL-UMB RNW REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	X		6024556468	5/4/2017	5/4/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:						
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS	X		60434417	7/1/2016	7/1/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Medical payments \$ 5,000
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			6024556454	5/4/2017	5/4/2018	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
D	Pollution Liability with Transportation liability	X		793-00-46-06-0001	5/4/2017	5/4/2018	Occurrence \$2,000,000 Aggregate \$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Bid # L-17-1579-DBB-3. City of San Diego and it's Respective Elected Officials, Officers, Employees, Agents & Representatives are named as additional insured with primary wording on general liability per forms CNA75079XX 1/15 & CNA74987XX (1-15) attached. Auto additional insured per form FPIC0200 12/11 attached. Pollution Liability additional insured per form OBENVGE301 2/11. MCS90 endorsement per form MCS 90 04 14 attached. Severability of interest endorsement on pollution per form OBENV CE 101 (10 12) attached. Primary endorsement on pollution per form OBENV GE 319 (02 11) attached. Endorsement for Hazardous Transportation and Removal per form OBENVCE310 (07 13) attached.

CERTIFICATE HOLDER

CANCELLATION

cityofsd@prod.certificates	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
City of San Diego c/o Ebix BPO P O Box 12010-50 Hemet, CA 92546-8010	AUTHORIZED REPRESENTATIVE Todd Tropio/LR

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**Blanket Additional Insured - Owners, Lessees or
Contractors - with Products-Completed
Operations Coverage Endorsement**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

It is understood and agreed as follows:

- I.** The **WHO IS AN INSURED** section is amended to add as an **Insured** any person or organization whom the **Named Insured** is required by **written contract** to add as an additional insured on this **coverage part**, including any such person or organization, if any, specifically set forth on the Schedule attachment to this endorsement. However, such person or organization is an **Insured** only with respect to such person or organization's liability for:
- A.** unless paragraph **B.** below applies,
- 1.** **bodily injury, property damage, or personal and advertising injury** caused in whole or in part by the acts or omissions by or on behalf of the **Named Insured** and in the performance of such **Named Insured's** ongoing operations as specified in such **written contract**; or
 - 2.** **bodily injury or property damage** caused in whole or in part by **your work** and included in the **products-completed operations hazard**, and only if
 - a.** the **written contract** requires the **Named Insured** to provide the additional insured such coverage; and
 - b.** this **coverage part** provides such coverage.
- B.** **bodily injury, property damage, or personal and advertising injury** arising out of **your work** described in such **written contract**, but only if:
- 1.** this **coverage part** provides coverage for **bodily injury or property damage** included within the **products completed operations hazard**; and
 - 2.** the **written contract** specifically requires the **Named Insured** to provide additional insured coverage under the 11-85 or 10-01 edition of CG2010 or the 10-01 edition of CG2037.
- II.** Subject always to the terms and conditions of this policy, including the limits of insurance, the Insurer will not provide such additional insured with:
- A.** coverage broader than required by the **written contract**; or
- B.** a higher limit of insurance than required by the **written contract**.
- III.** The insurance granted by this endorsement to the additional insured does not apply to **bodily injury, property damage, or personal and advertising injury** arising out of:
- A.** the rendering of, or the failure to render, any professional architectural, engineering, or surveying services, including:
- 1.** the preparing, approving, or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and
 - 2.** supervisory, inspection, architectural or engineering activities; or
- B.** any premises or work for which the additional insured is specifically listed as an additional insured on another endorsement attached to this **coverage part**.
- IV.** Notwithstanding anything to the contrary in the section entitled **COMMERCIAL GENERAL LIABILITY CONDITIONS**, the Condition entitled **Other Insurance**, this insurance is excess of all other insurance available to the additional insured whether on a primary, excess, contingent or any other basis. However, if this insurance is required by **written**





**Blanket Additional Insured - Owners, Lessees or
Contractors - with Products-Completed
Operations Coverage Endorsement**

contract to be primary and non-contributory, this insurance will be primary and non-contributory relative solely to insurance on which the additional insured is a named insured.

V. Solely with respect to the insurance granted by this endorsement, the section entitled **COMMERCIAL GENERAL LIABILITY CONDITIONS** is amended as follows:

The Condition entitled **Duties In The Event of Occurrence, Offense, Claim or Suit** is amended with the addition of the following:

Any additional insured pursuant to this endorsement will as soon as practicable:

1. give the Insurer written notice of any **claim**, or any **occurrence** or offense which may result in a **claim**;
2. except as provided in Paragraph IV. of this endorsement, agree to make available any other insurance the additional insured has for any loss covered under this **coverage part**;
3. send the Insurer copies of all legal papers received, and otherwise cooperate with the Insurer in the investigation, defense, or settlement of the **claim**; and
4. tender the defense and indemnity of any **claim** to any other insurer or self insurer whose policy or program applies to a loss that the Insurer covers under this **coverage part**. However, if the **written contract** requires this insurance to be primary and non-contributory, this paragraph (4) does not apply to insurance on which the additional insured is a named insured.

The Insurer has no duty to defend or indemnify an additional insured under this endorsement until the Insurer receives written notice of a **claim** from the additional insured.

VI. Solely with respect to the insurance granted by this endorsement, the section entitled **DEFINITIONS** is amended to add the following definition:

Written contract means a written contract or written agreement that requires the **Named Insured** to make a person or organization an additional insured on this **coverage part**, provided the contract or agreement:

- A. is currently in effect or becomes effective during the term of this policy; and
- B. was executed prior to:
 1. the **bodily injury** or **property damage**; or
 2. the offense that caused the **personal and advertising injury**for which the additional insured seeks coverage.

Any coverage granted by this endorsement shall apply solely to the extent permissible by law.

All other terms and conditions of the Policy remain unchanged.

This endorsement, which forms a part of and is for attachment to the Policy issued by the designated Insurers, takes effect on the effective date of said Policy at the hour stated in said Policy, unless another effective date is shown below, and expires concurrently with said Policy.



**Primary and Noncontributory - Other Insurance
Condition Endorsement**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

It is understood and agreed that the condition entitled **Other Insurance** is amended to add the following:

Primary And Noncontributory Insurance

Notwithstanding anything to the contrary, this insurance is primary to and will not seek contribution from any other insurance available to an additional insured under this policy provided that:

- a. the additional insured is a named insured under such other insurance; and
- b. the **Named Insured** has agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

All other terms and conditions of the Policy remain unchanged.

This endorsement, which forms a part of and is for attachment to the Policy issued by the designated Insurers, takes effect on the effective date of said Policy at the hour stated in said Policy, unless another effective date is shown below, and expires concurrently with said Policy.

50020006860245564681606



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION – FORM I

This endorsement only modifies coverage provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
CONTRACTORS ENVIRONMENTAL LIABILITY COVERAGE PART

SCHEDULE

Name of Person or Organization:

Any person or organization for which the Named Insured has agreed to provide insurance prior to loss as provided by this policy but only to the scope of insurance agreed to by the Named Insured.

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

A. **SECTION II – WHO IS AN INSURED** is amended to include as an insured the person or organization shown in the SCHEDULE above, but only with respect to liability arising out of your ongoing operations performed for that insured.

B. With respect to the insurance afforded to these additional insureds, the following exclusion is added:

2. Exclusions

This insurance does not apply to **bodily injury, property damage or environmental damage** occurring after:

- (a) All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the site of the covered operations has been completed; or
- (b) That portion of **your work** out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

All other terms and conditions remain the same.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NON-CONTRIBUTORY ENDORSEMENT

This endorsement modifies coverage provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
CONTRACTORS ENVIRONMENTAL LIABILITY COVERAGE PART

SECTION IV - CONDITIONS, 8. Other Insurance, is amended by adding the following paragraph:

This insurance will be considered primary to, and non-contributory with any other insurance issued directly to a person or organization added as an additional insured under this policy, only if you specifically agree, in a written contract or agreement, that this insurance must be primary to, and non-contributory with, such other insurance.

All other terms and conditions remain the same.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL SUPPLEMENTARY PAYMENTS LIMIT – CONTRACTORS POLLUTION LIABILITY AND TRANSPORTATION POLLUTION LIABILITY

This endorsement modifies coverage provided under the following:

CONTRACTORS ENVIRONMENTAL LIABILITY COVERAGE PART
PROFESSIONAL SERVICES LIABILITY COVERAGE PART
ENVIRONMENTAL PREMISES LIABILITY COVERAGE PART

SECTION I – COVERAGES, SUPPLEMENTARY PAYMENTS is replaced with the following:

1. Applicable to all Coverages:

- a. We will pay, with respect to any **claim** we investigate or settle, or any **suit** against an insured we defend:
- (1) All expenses we incur, including **defense costs**.
 - (2) Up to \$250 for cost of bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which the Bodily Injury Liability Coverage applies. We do not have to furnish these bonds.
 - (3) The cost of bonds to release attachments, but only for bond amounts within the applicable limit of insurance. We do not have to furnish these bonds.
 - (4) All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of the **claim** or **suit**, including actual loss of earnings up to \$1,500 a day because of time off from work.
 - (5) All court costs taxed against the insured in the **suit**. However, these payments do not include attorneys' fees or attorneys' expenses taxed against the insured.
 - (6) Prejudgment interest awarded against the insured on that part of the judgment we pay. If we make an offer to pay the applicable limit of insurance, we will not pay any prejudgment interest based on that period of time after the offer.
 - (7) All interest on the full amount of any judgment that accrues after entry of the judgment and before we have paid, offered to pay, or deposited in court the part of the judgment that is within the applicable limit of insurance.
- b. Any Supplementary Payments made pursuant to Paragraph a. above will be deemed damages for **bodily injury, property damage, environmental damage, cleanup costs or professional services wrongful acts** and will reduce the applicable limits of insurance shown in the Declarations for all Coverages.

However such payments for Coverages **A** and **B** will reduce the applicable limit of insurance shown in the Declarations but only after we have paid up to \$1,000,000 for the applicable Coverage.

2. Applicable to all Coverages except COVERAGE E:

- a. If we defend an insured against a **suit** and an indemnitee of the insured is also named as a party to the **suit**, we will defend that indemnitee if all of the following conditions are met:

- (1) The **suit** against the indemnitee seeks damages for which the insured has assumed the liability of the indemnitee in a contract or agreement that is an **insured contract**;
- (2) This insurance applies to such liability assumed by the insured;
- (3) The obligation to defend, or the cost of the defense of, that indemnitee, has also been assumed by the insured in the same **insured contract**;
- (4) The allegations in the **suit** and the information we know about the **occurrence** are such that no conflict appears to exist between the interests of the insured and the interests of the indemnitee;
- (5) The indemnitee and the insured ask us to conduct and control the defense of that indemnitee against such **suit** and agree that we can assign the same counsel to defend the insured and the indemnitee; and
- (6) The indemnitee:
 - (a) Agrees in writing to:
 - i. Cooperate with us in the investigation, settlement or defense of the **suit**;
 - ii. Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the **suit**;
 - iii. Notify any other insurer whose coverage is available to the indemnitee; and
 - iv. Cooperate with us with respect to coordinating other applicable insurance available to the indemnitee; and
 - (b) Provides us with written authorization to:
 - i. Obtain records and other information related to the **suit**; and
 - ii. Conduct and control the defense of the indemnitee in such **suit**.

So long as the above conditions are met, attorneys' fees incurred by us in the defense of that indemnitee, necessary litigation expenses incurred by us and necessary litigation expenses incurred by the indemnitee at our request will be paid as Supplementary Payments.

- b. Notwithstanding the provisions of **GENERAL EXCLUSIONS (APPLICABLE TO ALL COVERAGES)**, **1. Contractual Liability, Item b.**, such payments will be deemed damages for **bodily injury, property damage, environmental damage or cleanup costs** and will reduce the applicable limit of insurance shown in the Declarations for all Coverages.

However, for Coverages **A** and **B**, such payments will only reduce the applicable limit of insurance only after we have paid up to \$1,000,000 for the applicable Coverage.

Our obligation to defend an insured's indemnitee and to pay for attorneys' fees and necessary litigation expenses as Supplementary Payments ends when we have used up the applicable limit of insurance in the payment of judgments or settlements or the conditions set forth above, or the terms of the agreement described in Paragraph **(6)** above, are no longer met.

All other terms and conditions remain the same.

9. Premium and Audit

- a. We will compute all premiums for this policy in accordance with our rules and rates.
- b. Premium shown on the Declarations is a minimum and deposit premium for the **policy period**. It is payable in full at the inception of this policy.
- c. If a rate is shown on the Declarations then the final premium shall be subject to audit. At the close of each audit period we will compute the policy premium for that period and send notice to the **Named Insured**. The due date for audit is the date shown as the due date on the bill. Failure to pay the audit premium due may subject this policy, or any in-force policy of yours, to cancellation for non-payment of premium.
 - (1) If the policy premium computed as a result of an audit is less than the total policy premium shown on the Declarations, the total policy premium shown on the Declarations is the minimum premium for the **policy period** and is not subject to adjustment.
 - (2) If the policy premium computed as a result of an audit is greater than the total policy premium shown on the Declarations, then a Premium Audit Statement will be sent to the **Named Insured**. The additional premium amount shown on the Premium Audit Statement is due and payable to us upon receipt by the **Named Insured**.
- d. The **Named Insured** must keep records of the information we need for premium computation and send us copies upon request.
- e. We may examine and audit your books and records as they relate to this policy at any time during the **policy period** and up to three years afterward.

10. Representation and Incorporation of the Application

The insured represents that the particulars and statements contained in the application, questionnaire and any other materials submitted to us are true, accurate and complete and agree that:

- a. This policy is issued and continued in force by us in reliance upon the truth of such representations;
- b. Those particulars and statements are based upon the representations you made to us; and
- c. Application, questionnaire and any other materials submitted to us are incorporated in and form a part of this policy.

In the event of any material untruth, misrepresentation or omission in connection with any of the particulars or statements in the application, this policy shall be void.

11. Separation of Insureds

Except with respect to the limits of insurance, and any rights or duties specifically assigned in this policy to the **Named Insured**, this insurance applies:

- a. As if each **Named Insured** were the only **Named Insured**; and
- b. Separately to each insured against whom a **claim** is made or **suit** is brought.

12. Service of Suit

In the event of our failure to pay any amount claimed to be due hereunder, we, at your request, will submit to the jurisdiction of a court of competent jurisdiction within the United States. Nothing in this condition constitutes or should be understood to constitute a waiver of our rights to commence an action in any court of competent jurisdiction in the United States or to remove an action to a United States District Court or to seek a transfer of a case to another court as permitted by the laws of the United States

**ENDORSEMENT FOR
MOTOR CARRIER POLICIES OF INSURANCE FOR PUBLIC LIABILITY
UNDER SECTIONS 29 AND 30 OF THE MOTOR CARRIER ACT OF 1980**

DEFINITIONS AS USED IN THIS ENDORSEMENT

ACCIDENT includes continuous or repeated exposure to conditions which results in bodily injury, property damage, or environmental damage which the insured neither expected nor intended.

MOTOR VEHICLE means a land vehicle, machine, truck, tractor, trailer, or semitrailer propelled or drawn by mechanical power and used on a highway for transporting property, or any combination thereof.

BODILY INJURY means injury to the body, sickness, or disease to any person, including death resulting from any of these.

ENVIRONMENTAL RESTORATION means restitution for the loss, damage or destruction of natural resources arising out of the accidental discharge, dispersal, release or escape into or upon the land, atmosphere, watercourse, or body of water, of any commodity transported by a motor carrier. This shall include the cost of removal and the cost of necessary measures taken to minimize or mitigate damage to human health, the natural environment, fish, shellfish and wildlife.

PROPERTY DAMAGE means damage to or loss of use of tangible property.

PUBLIC LIABILITY means liability for bodily injury, property damage, and environmental restoration.

The insurance policy to which this endorsement is attached provides automobile liability insurance and is amended to assure compliance by the insured, within the limits stated herein, as a motor carrier of property, with Sections 29 and 30 of the Motor Carrier Act of 1980 and the rules and regulations of the Federal Highway Administration (FHWA) and the Interstate Commerce Commission (ICC).

In consideration of the premium stated in the policy to which this endorsement is attached, the insurer (the company) agrees to pay, within the limits of liability described herein, any final judgment recovered against the insured for public liability resulting from negligence in the operation, maintenance or use of motor vehicles subject to the financial responsibility requirements of Sections 29 and 30 of the Motor Carrier Act of 1980 regardless of whether or not each motor vehicle is specifically described in the policy and whether or not such negligence occurs on any route or in any territory authorized to be served by the insured or elsewhere. Such insurance as is afforded for public liability does not apply to injury to or death of the insured's employees while engaged in the course of their employment, or property transported by the insured, designated as cargo.

It is understood and agreed that no condition, provision, stipulation, or limitation contained in the policy, this endorsement, or any other endorsement thereon, or violation thereof, shall relieve the company from liability or from the payment of any final judgment, within the limits of liability herein described, irrespective of the financial condition, insolvency or bankruptcy of the insured. However, all terms, conditions, and limitations in the policy to which the endorsement is attached shall remain in full force and effect as binding between the insured and the company. The insured agrees to reimburse the company for any payment made by the company on account of any accident, claim, or suit involving a breach of the terms of the policy, and for any payment that the company would not have been obligated to make under the provisions of the policy except for the agreement contained in this endorsement.

It is further understood and agreed that, upon failure of the company to pay any final judgment recovered against the insured as provided herein, the judgment creditor may maintain an action in any court of competent jurisdiction against the company to compel such payment.

The limits of the company's liability for the amounts prescribed in this endorsement apply separately to each accident and any payment under the policy because of any one accident shall not operate to reduce the liability of the company for the payment of final judgments resulting from any other accident.

The policy to which this endorsement is attached provides primary or excess insurance, as indicated by "X", for the limits shown:

- This insurance is primary and the company shall not be liable for amounts in excess of \$ _____ for each accident.
- This insurance is excess and the company shall not be liable for amounts in excess of \$ _____ for each accident in excess of the underlying limit of \$ _____ for each accident.

Whenever required by Federal Motor Carrier Safety Administration (FMCSA), the company agrees to furnish the FMCSA a duplicate of said policy and all its endorsements. The company also agrees, upon telephone request by an authorized representative of the FMCSA, to verify that the policy is in force as of a particular date.

The telephone number to call is: _____.

Cancellation of this endorsement may be effected by the company or the insured by giving (1) thirty-five (35) days notice in writing to the other party (said 35 days notice to commence from the date the notice is mailed, proof of mailing shall be sufficient proof of notice), and (2) if the insured is subject to the FMCSA's registration requirements under 49 U.S.C. 13901, by providing thirty (30) days notice to the FMCSA (said 30 days notice to commence from the date notice is received by the FMCSA at its office in Washington, D.C.).

Issued to Paul Henderson of KTA Construction, Inc.

Dated at Alpine, CA this 13th day of May, 2016

Amending Policy No. 793-00-46-06-0000

Effective Date 05/04/2016 Countersigned by Allen R. Sorenson
 Authorized Company Representative

Name of Insurance Company Homeland Ins. Company

SCHEDULE OF LIMITS - PUBLIC LIABILITY

Type of Carriage	Commodity Transported	Jan. 1, 1985
(1) For-hire (In interstate or foreign commerce, with a gross vehicle weight rating of 10,000 or more pounds).	Property (nonhazardous)	\$750,000
(2) For-hire and Private (In interstate, foreign or intrastate commerce, with a gross vehicle weight rating of 10,000 or more pounds).	Hazardous substances as defined in 49 CFR 171.8, transported in cargo tanks, portable tanks, or hopper-type vehicles with capacities in excess of 3,500 water gallons; or in bulk Divisions 1.1, 1.2, and 1.3 materials, Division 2.3, Hazard Zone A, or Division 6.1, Packing Group I, Hazard Zone A material; in bulk Division 2.1 or 2.2; or highway route controlled quantities of a Class 7 material, as defined in 49 CFR 173.403	\$5,000,000
(3) For-hire and Private (In interstate or foreign commerce, in any quantity; or (in intrastate commerce, in bulk only; with a gross vehicle weight rating of 10,000 or more pounds).	Oil listed in 49 CFR 172.101; hazardous waste, hazardous materials and hazardous substances defined in 49 CFR 171.8 and listed in 49 CFR 172.101, but not mentioned in (2) above or (4) below.	\$1,000,000
(4) For-hire and Private (In interstate or foreign commerce, with a gross vehicle weight rating of less than 10,000 pounds).	Any quantity of Division 1.1, 1.2, or 1.3 material; any quantity of a Division 2.3, Hazard Zone A, or Division 6.1, Packing Group I, Hazard Zone A material; or highway route controlled quantities of a Class 7 material as defined in 49 CFR 173.403	\$5,000,000