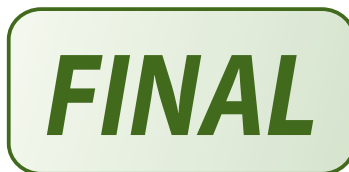


City of San Diego

CONTRACTOR'S NAME: Burtech Pipeline, Inc.
ADDRESS: 102 Second Avenue Encinitas, CA 92024
TELEPHONE NO.: 760-634-2822 FAX NO.: _____
CITY CONTACT: Antoinette Sanfilippo: Contract Specialist, Email: ASanfilippo@sandiego.gov
Phone No. (619) 533-3439, Fax No. (619) 533-3633
J. Ramos / A. Rekani / br

BIDDING DOCUMENTS



FOR

AC WATER GROUP 1012

BID NO.: _____ **K-18-1601-DBB-3**
SAP NO. (WBS/IO/CC): _____ **B-16177**
CLIENT DEPARTMENT: _____ **2000**
COUNCIL DISTRICT: _____ **9**
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

NOVEMBER 9, 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:



Registered Engineer
For City Engineer

9/27/17

Date

Seal:



TABLE OF CONTENTS

SECTION	PAGE
1. NOTICE INVITING BIDS	4
2. INSTRUCTIONS TO BIDDERS	7
3. PERFORMANCE AND PAYMENT BONDS	17
4. ATTACHMENTS:	
A. SCOPE OF WORK.....	20
B. PHASED FUNDING PROVISIONS.....	22
C. INTENTIONALLY LEFT BLANK.....	25
D. PREVAILING WAGES.....	26
E. SUPPLEMENTARY SPECIAL PROVISIONS	30
1. Appendix A – Notice of Exemption	54
2. Appendix B – Fire Hydrant Meter Program	57
3. Appendix C – Materials Typically Accepted by Certificate of Compliance.....	71
4. Appendix D – Sample City Invoice with Spend Curve	73
5. Appendix E – Location Map	76
6. Appendix F – Adjacent Projects	78
7. Appendix G – Exhibit Drawings	80
8. Appendix H – Sample of Public Notice	354
9. Appendix I – Advanced Metering Infrastructure (AMI) Device Protection	356
F. INTENTIONALLY LEFT BLANK.....	363
G. CONTRACT AGREEMENT	364
5. CERTIFICATIONS AND FORMS	367

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 1012**. 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 **\$5,500,000**.
4. **BID DUE DATE AND TIME ARE: NOVEMBER 9, 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(s) are required for this contract: **A or C34**
7. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract.
 - 7.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1. SLBE participation	8.1%
2. ELBE participation	14.2%
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: **OCTOBER 25, 2017**
Time: **10:00 AM**
Location: **1010 Second Avenue, 14th Floor, (Large Conference Room)
San Diego, CA 92101**

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 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: Antoinette Sanfilippo

OR:

ASanfilippo@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/DEDUCTIVE ALTERNATES:

- 12.1.** The additive/deductive alternates have been established to allow the City to compare the cost of specific portions of the Work with the Project's budget and enable the City to make a decision whether to incorporate these portions prior to award. The award will be established as described in the Bid. The City reserves the right to award the Contract for the Base Bid only or for the Base Bid plus one or more Alternates.
- 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 responsibility to protect the confidentiality of the contractors' information, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [PlanetBids™](#).

2. **ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS:** Bids will be received in electronic format (eBids) EXCLUSIVELY at the City of San Diego's electronic bidding (eBidding) site, at [:https://www.sandiego.gov/cip/bidopps/index.shtml](https://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:

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

9. INSURANCE REQUIREMENTS:

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

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

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

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

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

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

20. SAN DIEGO BUSINESS TAX CERTIFICATE: The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, First floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms within these documents.

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

21.1. For bids \$250,000 and above, bidders shall submit Bid Security at bid time. Bid Security shall be in one of the following forms: a cashier's check, or a properly certified check upon some responsible bank; or an approved corporate surety bond payable to the City of San Diego for an amount of not less than 10% of the total bid amount.

21.2. This check or bond, and the monies represented thereby, will be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into the contract and furnish the required final performance and payment bonds.

21.3. The Bidder agrees that in the event of the Bidder's failure to execute this contract and provide the required final bonds, the money represented by the cashier's or certified check will remain the property of the City; and the Surety agrees that it will pay to the City the damages, not exceeding the sum of 10% of the amount of the Bid, that the City may suffer as a result of such failure.

21.4. At the time of bid submission, bidders must upload and submit an electronic PDF copy of the aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. Within twenty-four (24) hours after the bid due date and time, the first five (5) apparent low bidders must provide the City with the original bid security.

21.5. Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original within twenty-four (24) hours may cause the bid to be rejected and deemed **non-responsive**.

22. AWARD OF CONTRACT OR REJECTION OF BIDS:

22.1. This contract may be awarded to the lowest responsible and reliable Bidder.

22.2. Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.

22.3. The City reserves the right to reject any or all Bids, to waive any informality or technicality in Bids received, and to waive any requirements of these specifications as to bidding procedure.

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

23. BID RESULTS:

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

24. THE CONTRACT:

- 24.1.** The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 24.2.** If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.

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

- 26.5. Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 26.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 26.7. The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.

27. PRE-AWARD ACTIVITIES:

- 27.1. The contractor selected by the City to execute a contract for this Work shall submit the required documentation as specified in the herein and in the Notice of Award. Failure to provide the information as specified may result in the Bid being rejected as **non-responsive**.
- 27.2. The decision that bid is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

Burtech Pipeline, Inc., a corporation, as principal, and
NORTH AMERICAN SPECIALTY INSURANCE COMPANY, a corporation authorized to do
business in the State of California, as Surety, hereby obligate themselves, their successors and
assigns, jointly and severally, to The City of San Diego a municipal corporation in the
sum of **Four Million Five Hundred Ninety Thousand Dollars and Zero Cents (\$4,590,000.00)** for
the faithful performance of the annexed contract, and in the sum of **Four Million Five Hundred
Ninety Thousand Dollars and Zero Cents (\$4,590,000.00)** for the benefit of laborers and
materialmen designated below.

Conditions:

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

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

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

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

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

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

Dated DECEMBER 6, 2017

Approved as to Form

BURTECH PIPELINE, INCORPORATED

Principal

By 

DOMINIC J. BURTECH, JR., PRESIDENT

Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney

By 

Deputy City Attorney

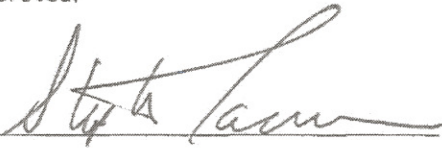
NORTH AMERICAN
SPECIALTY INSURANCE COMPANY

Surety

By 

MARK D. IATAROLA, Attorney-in-fact

Approved:

By 

Stephen Samara
Principal Contract Specialist
Public Works Department

6 HUTTON CENTRE DRIVE, SUITE 850

Local Address of Surety

SANTA ANA, CA 92707

Local Address (City, State) of Surety

714/550-4141

Local Telephone No. of Surety

Premium \$ 29,963.00

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

Bond No. 2265216

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

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

State of California }

County of San Diego }

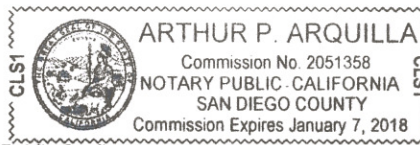
On 12/7/17 before me, Arthur P. Arquilla, Notary Public,
(Here insert name and title of the officer)

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

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

WITNESS my hand and official seal.

Arthur P. Arquilla
Notary Public Signature



(Notary Public Seal)

ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages _____ Document Date _____

CAPACITY CLAIMED BY THE SIGNER

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

INSTRUCTIONS FOR COMPLETING THIS FORM

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

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

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

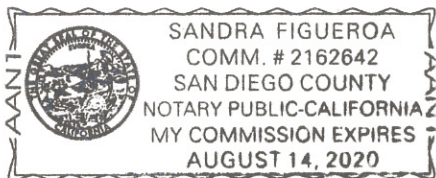
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of SAN DIEGO)
On 12/6/2017 before me, SANDRA FIGUEROA, NOTARY PUBLIC,
Date Here Insert Name and Title of the Officer
personally appeared MARK D. IATAROLA
Name(s) of Signer(s)

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

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

WITNESS my hand and official seal.



Signature *Sandra Figueroa*
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document

Title or Type of Document: _____ Document Date: _____
Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

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

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

NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY

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

JOHN G. MALONEY, HELEN MALONEY, SANDRA FIGUEROA,

and MARK D. IATAROLA

JOINTLY OR SEVERALLY

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

FIFTY MILLION (\$50,000,000.00) DOLLARS

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

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

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



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



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

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

North American Specialty Insurance Company
Washington International Insurance Company

State of Illinois
County of Cook ss:

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



[Signature] M. Kenny, Notary Public

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

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 6TH day of DECEMBER, 2017.

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

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** AC Water Group 1012 consists of installation of 19,119 LF (3.62 miles) of 6, 8 & 12-inch PVC (Polyvinyl Chloride) water mains, to replace the existing 6, 8 & 12-inch (Asbestos Concrete). All pipe, 19,119 LF is replace in place, related work includes reinstallation of fire hydrants, services and other appurtenances, including street repair and/or resurfacing. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids and Exhibits in **Appendix G** inclusive.
2. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$5,500,000**.
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 **350 Working Days**.

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

1. PRE-AWARD

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

2. POST-AWARD

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

PHASED FUNDING SCHEDULE AGREEMENT

BID NUMBER: K-18-1601-DBB-3

CONTRACT OR TASK TITLE: AC Water Group 1012

CONTRACTOR: Burtech Pipeline, Inc.

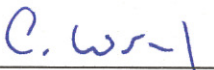
Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Work to be completed in Phase 1 shall include, Bonds, Mobilization, Video taping of conditions, installation of 1.0 miles (minimum) water mains.	Notice to Proceed	9/30/2018	\$2,500,000.00
2	Work to be included in phase 2 shall include the remaining of the construction activities associated with the contract and specifications	10/01/2018	Notice of Completion	\$2,090,000.00
Contract Total				\$4,590,000.00

Notes:

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

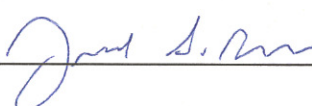
CITY OF SAN DIEGO

PRINT NAME: C. WASSENBERG
Construction Manager

Signature: 

Date: 12/7/17

PRINT NAME: JAIMIE RAMOS
Project Manager

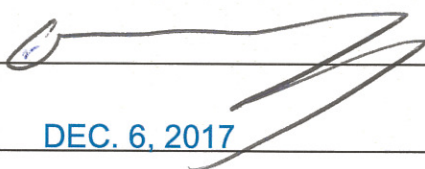
Signature: 

Date: DEC 6 2017

CONTRACTOR

PRINT NAME: DOMINIC J. BURTECH

Title: PRESIDENT & CEO

Signature: 

Date: DEC. 6, 2017

ATTACHMENT C
INTENTIONALLY LEFT BLANK

ATTACHMENT D
PREVAILING WAGES

PREVAILING WAGES

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

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

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

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

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

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

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

ADD:

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

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

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

2. Other adjacent City projects are scheduled for construction for the same time period in the vicinity of AC Water Group 1012. See **Appendix F** for the approximate location. Coordinate the Work with the adjacent projects as listed below:
 - a) AC Water Group 1031, Jaime Ramos 619-533-5103
 - b) Sewer Group 841, Jaime Ramos 619-533-5103
 - c) Green Infrastructure Group 1012, Elham Lotfi, 619-533-5212
 - d) Sewer Group 830, Maryam Liaghat, 619-533-5192
 - e) National Avenue (Undergrounding), James Bajet, 619-533-3046
 - f) City Street Lights Group 16B, Fernando Lasaga, 619-533-7406

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

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

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

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

ADD:

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

1. When you intend to purchase materials, fabricated products, or equipment from sources located more than 200 miles (321.9 km) outside the geographical limits of the City, City Lab staff or a qualified inspection agency approved by the Engineer, shall be engaged at your expense to inspect the materials, equipment, or process.
2. This approval shall be obtained before producing any material or equipment. City Lab staff or inspector shall evaluate the materials for conformance with the requirements of the Plans and Specifications. You shall forward reports required by the Engineer. No materials or equipment shall be shipped nor shall any processing, fabrication or treatment of such materials be done without proper inspection by City Lab staff or the approved agent. Approval by said agent shall not relieve you of responsibility for complying with the requirements of the Contract Documents.
3. The Engineer may elect City Lab staff to perform inspection of an out-of-town manufacturer. You shall incur additional inspection costs of the Engineer including lodging, meals, and incidental expenses based on Federal Per Diem Rates, along with travel and car rental expenses. If the manufacturing plant operates a double shift, a double shift shall be figured in the inspection costs.

- a) At the option of the Engineer, full time inspection shall continue for the length of the manufacturing period. If the manufacturing period will exceed 3 consecutive weeks, you shall incur additional inspection expenses of the Engineer's supervisor for a trip of 2 Days to the site per month.
- b) When the Engineer elects City Lab staff to perform out-of-town inspections, the wages of staff employed by the City shall not be part of the additional inspection expenses paid by you.
- c) Federal Per Diem Rates can be determined at the location below:

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

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

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

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

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

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

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

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

SECTION 5 – UTILITIES

5-2 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

6-1.1 Construction Schedule. To the "WHITEBOOK", item 22, subsection b, DELETE in its entirety and SUBSTITUTE with the following:

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

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) Olivewood Tr, from Florence Street to Ocean View Boulevard, Moratorium from 11/8/13 to 11/6/2018
 - b) Jewell Drive from Florence Street to S 37th Street. Moratorium from 11/6/13 to 11/6/2018
 - c) T Street from Jewell Drive to S 38th Street. Moratorium from 11/6/13 to 11/6/2018
 - d) Florence Street from Olivewood Tr to Jewell Drive and S 37th Street to S 38th Street Moratorium from 11/6/13 to 11/6/2018
 - e) Hemlock Street from S 37th Street to S 38th Street. Moratorium from 11/6/13 to 11/6/2018
 - f) Teak Street from S 37th Street to S 40th Street. Moratorium from 11/6/13 to 11/6/2018

ADD:

6-3.2.1.1 Environmental Document.

1. The City of San Diego has prepared a **Notice of Exemption** for **AC Water Group 1012**, 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.

6-8.1.1

Requirements Preparatory to Requesting a Walk-through. To the "WHITEBOOK", ADD the following:

- 2. You shall notify the Engineer to arrange a final inspection of permanent BMPs installed and shall obtain the completed, signed, and stamped DS-563 Form 30 Days prior to the issuance of the Notice of Completion.

6-8.3

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

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

SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR

7-3

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

7-3

INSURANCE.

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

7-3.1

Policies and Procedures.

- 1. You shall procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.
- 2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.

3. You shall maintain this insurance for the duration of this Contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this Contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this Contract.
4. The payment for insurance shall be included in the Contract Price as bid by you. Except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any Work under this Contract until you have provided and the City has approved all required insurance.
5. Policies of insurance shall provide that the City is entitled to 30 Days (10 Days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

7-3.2 Types of Insurance.

7-3.2.1 Commercial General Liability Insurance.

1. Commercial General Liability Insurance shall be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.
2. The policy shall cover liability arising from premises and operations, XCU (explosions, underground, and collapse), independent contractors, products/completed operations, personal injury and advertising injury, bodily injury, property damage, and liability assumed under an insured's contract (including the tort liability of another assumed in a business contract).
3. There shall be no endorsement or modification limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. You shall maintain the same or equivalent insurance for at least 10 years following completion of the Work.

4. All costs of defense shall be outside the policy limits. Policy coverage shall be in liability limits of not less than the following:

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

7-3.2.2 Commercial Automobile Liability Insurance.

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

7-3.2.3 Contractors Pollution Liability Insurance.

1. You shall procure and maintain at your expense or require your Subcontractor, as described below, to procure and maintain the Contractors Pollution Liability Insurance including contractual liability coverage to cover liability arising out of cleanup, removal, storage, or handling of hazardous or toxic chemicals, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit for bodily injury and property damage.
2. All costs of defense shall be outside the limits of the policy. Any such insurance provided by your Subcontractor instead of you shall be approved separately in writing by the City.
3. For approval of a substitution of your Subcontractor’s insurance, you shall certify that all activities for which the Contractors Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance. The deductible shall not exceed \$25,000 per claim.
4. Contractual liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There shall be no endorsement or modification of the coverage limiting the scope of coverage for either “insured vs. insured” claims or contractual liability.

5. Occurrence based policies shall be procured before the Work commences and shall be maintained for the Contract Time. Claims Made policies shall be procured before the Work commences, shall be maintained for the Contract Time, and shall include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies that shall continue to be maintained for 12 months after the completion of the Work without advancing the retroactive date.
6. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

7-3.2.4 Contractors Hazardous Transporters Pollution Liability Insurance.

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

5. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

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

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

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

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

7-3.5 Policy Endorsements.

7-3.5.1 Commercial General Liability Insurance.

7-3.5.1.1 Additional Insured.

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

4. The additional insured coverage for projects for which the Engineer's Estimate is less than \$1,000,000 shall include liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products, or
 - c) premises owned, leased, controlled, or used by you.

7-3.5.1.2 Primary and Non-Contributory Coverage. The policy shall be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives. Further, it shall provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

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

7-3.5.2 Commercial Automobile Liability Insurance.

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

7-3.5.3 Contractors Pollution Liability Insurance Endorsements.

7-3.5.3.1 Additional Insured.

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

- c) your work, e.g., your completed operations performed by you or on your behalf, or
- d) premises owned, leased, controlled, or used by you.

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

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

7-3.5.3.2 Primary and Non-Contributory Coverage. The policy or policies shall be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. Any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

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

7-3.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.

7-3.5.4.1 Additional Insured.

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

- c) your work, e.g., your completed operations performed by you or on your behalf, or
- d) premises owned, leased, controlled, or used by you.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ADD:

7-6 THE CONTRACTORS REPRESENTATIVE. To the "GREENBOOK", ADD the following:

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

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

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

7-8.6.5.1 Payment. To the "WHITEBOOK", DELETE in its entirety.

ADD:

7-8.6.5.1 Chlorination Discharge Requirements.

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

https://www.sandiego.gov/sites/default/files/batch_discharge_authorization_request_1.pdf

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

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

All testing shall be conducted by a QSP.

ADD:

7-8.6.5.2 Payment.

1. The payment for complying with the discharge requirements shall be included in the Bid item for the new water main.

ADD:

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

ADD:

302-4.12.2.1.1 Slurry Treatment.

1. When slurry treatment is required by the Contract Documents, notify the Engineer at least 10 Working Days prior to the first application of slurry. The Engineer, upon assessment of street condition and classification, will verify the slurry type to be applied.

2. Application of sequential layers of slurry shall not commence until approved by the Engineer and until the following have been completed:
 - a) Mix design and wet track abrasion testing for the first-step slurry application has been approved by the Engineer. Unless otherwise directed by the Engineer, this testing may require 4 Working Days from field sampling to reporting of test results to the Engineer.
 - b) Corrective actions have been executed in accordance with 302-4.11.1.2, "Reduction in Payment Based on WTAT" such as reductions in payment, non-payment, or removal of material not meeting specifications, as directed by the Engineer.

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

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

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

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

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

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

SECTION 304 -METAL FABRICATION AND CONSTRUCTION

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

SECTION 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 in Appendix G, Exhibit Drawings as follows:

1. Phase 1: Logan Ave
2. Phase 2: S37th Street
3. Phase 3: S 38th Street
4. Phase 4: Florence Street
5. Phase 5: T Street
6. Phase 6: Hemlock Street and Teak Street
7. Phase 7: Teak Street
8. Phase 8: Ocean View Bl
9. Phase 9: Jewell Drive, Olivewood Tr, T Street and Florence Street
10. Phase 10: Webster Avenue west of S 35th Street and S 35th Street
11. Phase 11: Webster Avenue east of S 35th Street and S Pardee Street

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.

ADD:

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

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

SECTION 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 92101-2422

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

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

PROJECT/WBS No.: B-16177.02.06

PROJECT TITLE: AC Water Group 1012

PROJECT LOCATION-SPECIFIC: The project is located along the following streets and adjacent alleys within the Southeastern San Diego Community Planning Area (Council District 9): Logan Avenue, Florence Street, T Street, Hemlock Street, Teak Street, Oceanview Boulevard, South 35th Street, South Pardee Street, Webster Avenue, 36th Street, Olivewood Terrace, Jewell Drive and Imperial Avenue.

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

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: The project consists of the installation of 20,008 linear feet (LF) or 3.87 miles of 8-Inch Polyvinyl Chloride (PVC) water pipelines which will replace existing 4-, 6-, and 8-Inch diameter Asbestos Concrete (AC) water pipelines. All pipelines will be installed via "replace in place" in the same trench alignment at the same depth as the existing pipes using a conventional excavation (open trench) method. Related work includes re-installation of fire hydrants, services, curb ramps, and other appurtenances, including street repair and/or resurfacing, and replacement of ornamental landscaping. The installation work would occur within 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,
Contact: James Arnhart, Senior Planner; Ph: 619.533.5275
525 B Street, Suite 750, San Diego, CA 92101

EXEMPT STATUS: (CHECK ONE)

- MINISTERIAL (SEC. 21080(b)(1); 15268);
- DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
- EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c))
- CATEGORICAL EXEMPTIONS: (SEC.15301(b)), (SEC.15302 (c)), (SEC.15304 (f))
- STATUTORY EXEMPTIONS:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review which determined that the project meets the categorical exemption criteria set forth in CEQA State Guidelines, Section 15301(b) (Existing Facilities), which allows for repair, maintenance and/or minor alteration of existing public facilities, mechanical equipment or topographical features involving negligible or no expansion of use (i.e. reinstallation of fire hydrants, curb ramp improvements and street repair/resurfacing; Section 15302(c) (Replacement or Reconstruction) which allows for replacement or reconstruction of existing utility systems and/or facilities involving negligible for no expansion of capacity (i.e. replacement of existing water mains); Section 15304(f)

Revised March 1, 2017 JA

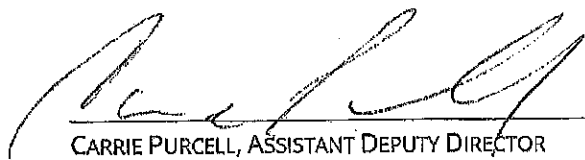
(Minor Alterations to Land) which allows minor public alterations in the condition of land which do not involve the removal of healthy, mature, scenic trees, including minor trenching and backfilling where the surface is restored (i.e. trenching for placement of water lines, backfill and street resurfacing); and where the exceptions listed in Section 15300.2 would not apply. The project would not impact any sensitive vegetation, and all work would occur 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


CARRIE PURCELL, ASSISTANT DEPUTY DIRECTOR

3/2/17
DATE

CHECK ONE:

SIGNED BY LEAD AGENCY

DATE RECEIVED FOR FILING AT OPR:

SIGNED BY APPLICANT

APPENDIX B
FIRE HYDRANT METER PROGRAM

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

1. **PURPOSE**

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

2. **AUTHORITY**

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

Reference

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

3. **DEFINITIONS**

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

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

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

4. **POLICY**

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

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

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

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

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

4.6 Conditions and Processes for Issuance of a Fire Hydrant Meter

Process for Issuance

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

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

2. Construction and maintenance related activities (see Tab 2).
 - b. No customer inside or outside the boundaries of the City of San Diego Water Department shall resell any portion of the water delivered through a fire hydrant by the City of San Diego Water Department.
 - c. The City of San Diego allows for the issuance of a temporary fire hydrant meter for a period not to exceed 12 months (365 days). An extension can only be granted in writing from the Water Department Director for up to 90 additional days. A written request for an extension by the consumer must be submitted at least 30 days prior to the 12 month period ending. No extension shall be granted to any customer with a delinquent account with the Water Department. No further extensions shall be granted.
 - d. Any customer requesting the issuance of a fire hydrant meter shall file an application with the Meter Section. The customer must complete a "Fire Hydrant Meter Application" (Tab 1) which includes the name of the company, the party responsible for payment, Social Security number and/or California ID, requested location of the meter (a detailed map signifying an exact location), local contact person, local phone number, a contractor's license (or a business license), description of specific water use, duration of use at the site and full name and address of the person responsible for payment.
 - e. At the time of the application the customer will pay their fees according to the schedule set forth in the Rate Book of Fees and Charges, located in the City Clerk's Office. All fees must be paid by check, money order or cashiers check, made payable to the City Treasurer. Cash will not be accepted.
 - f. No fire hydrant meters shall be furnished or relocated for any customer with a delinquent account with the Water Department.
 - g. After the fees have been paid and an account has been created, the

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 6 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

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

4.7 Relocation of Existing Fire Hydrant Meters

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

4.8 Disconnection of Fire Hydrant Meter

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

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

for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

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

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

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 8 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

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

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

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

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

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

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

7. **FEE AND DEPOSIT SCHEDULES**

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

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

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

8.1 Use of water from any fire hydrant without a properly issued and installed fire hydrant meter is theft of City property. Customers who use water for unauthorized purposes or without a City of San Diego issued meter will be prosecuted.

8.2 If any unauthorized connection, disconnection or relocation of a fire hydrant meter, or other connection device is made by anyone other than authorized Water Department personnel, the person making the connection will be prosecuted for a violation of San Diego Municipal Code, Section 67.15. In the case of a second offense, the customer's fire hydrant meter shall be confiscated and/or the deposit will be forfeited.

8.3 Unauthorized water use shall be billed to the responsible party. Water use charges shall be based on meter readings, or estimates when meter readings are not available.

8.4 In case of unauthorized water use, the customer shall be billed for all applicable charges as if proper authorization for the water use had been obtained, including but not limited to bi-monthly service charges, installation charges and removal charges.

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

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

Water Department Director

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

APPENDIX

Administering Division: Customer Support Division

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

Distribution: DI Manual Holders



Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

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

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

Company Information

Company Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ()
*Business license#		*Contractor license#	
A Copy of the Contractor's license OR Business License is required at the time of meter issuance.			
Name and Title of Billing Agent: <small>(PERSON IN ACCOUNTS PAYABLE)</small>			Phone: ()
Site Contact Name and Title:			Phone: ()
Responsible Party Name:			Title:
Cal ID#			Phone: ()
Signature:		Date:	
<small>Guarantees Payment of all Charges Resulting from the use of this Meter. Insures that employees of this Organization understand the proper use of Fire Hydrant Meter</small>			

Fire Hydrant Meter Removal Request	Requested Removal Date:
Provide Current Meter Location if Different from Above:	
Signature:	Title: Date:
Phone: ()	Pager: ()

<input type="checkbox"/> City Meter	<input type="checkbox"/> Private Meter
Contract Acct #:	Deposit Amount: \$ 936.00 Fees Amount: \$ 62.00
Meter Serial #	Meter Size: 05 Meter Make and Style: 6-7
Backflow #	Backflow Size: Backflow Make and Style:
Name:	Signature: Date:

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

Auto Detailing
Backfilling
Combination Cleaners (Vactors)
Compaction
Concrete Cutters
Construction Trailers
Cross Connection Testing
Dust Control
Flushing Water Mains
Hydro Blasting
Hydro Seeing
Irrigation (for establishing irrigation only; not continuing irrigation)
Mixing Concrete
Mobile Car Washing
Special Events
Street Sweeping
Water Tanks
Water Trucks
Window Washing

Note:

1. If there is any return to sewer or storm drain, then sewer and/or storm drain fees will be charges.

Date

Name of Responsible Party
Company Name and Address
Account Number: _____

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

The authorization for use of Fire Hydrant Meter # _____, located at *(Meter Location Address)* ends in 60 days and will be removed on or after *(Date Authorization Expires)*. Extension requests for an additional 90 days must be submitted in writing for consideration 30 days prior to the discontinuation date. If you require an extension, please contact the Water Department, or mail your request for an extension to:

City of San Diego
Water Department
Attention: Meter Services
2797 Caminito Chollas
San Diego, CA 92105-5097

Should you have any questions regarding this matter, please call the Fire Hydrant Hotline at (619) _____ - _____.

Sincerely,

Water Department

APPENDIX C

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

Materials Typically Accepted by Certificate of Compliance

1. Soil amendment
2. Fiber mulch
3. PVC or PE pipe up to 16 inch diameter
4. Stabilizing emulsion
5. Lime
6. Preformed elastomeric joint seal
7. Plain and fabric reinforced elastomeric bearing pads
8. Steel reinforced elastomeric bearing pads
9. Waterstops (Special Condition)
10. Epoxy coated bar reinforcement
11. Plain and reinforcing steel
12. Structural steel
13. Structural timber and lumber
14. Treated timber and lumber
15. Lumber and timber
16. Aluminum pipe and aluminum pipe arch
17. Corrugated steel pipe and corrugated steel pipe arch
18. Structural metal plate pipe arches and pipe arches
19. Perforated steel pipe
20. Aluminum underdrain pipe
21. Aluminum or steel entrance tapers, pipe downdrains, reducers, coupling bands and slip joints
22. Metal target plates
23. Paint (traffic striping)
24. Conductors
25. Painting of electrical equipment
26. Electrical components
27. Engineering fabric
28. Portland Cement
29. PCC admixtures
30. Minor concrete, asphalt
31. Asphalt (oil)
32. Liquid asphalt emulsion
33. Epoxy

APPENDIX D

SAMPLE CITY INVOICE WITH CURVE

City of San Diego, CM&FS Div., 9753 Chesapeake Drive, SD CA 92123

Project Name:

Work Order No or Job Order No.

City Purchase Order No.

Resident Engineer (RE):

RE Phone#: Fax#:

Contractor's Name:

Contractor's Address:

Contractor's Phone #:

Contractor's fax #:

Contact Name:

Invoice No.

Invoice Date:

Billing Period: (To)

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

SUMMARY

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

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

Resident Engineer

Construction Engineer

Retention and/or Escrow Payment Schedule

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

Contractor Signature and Date: _____

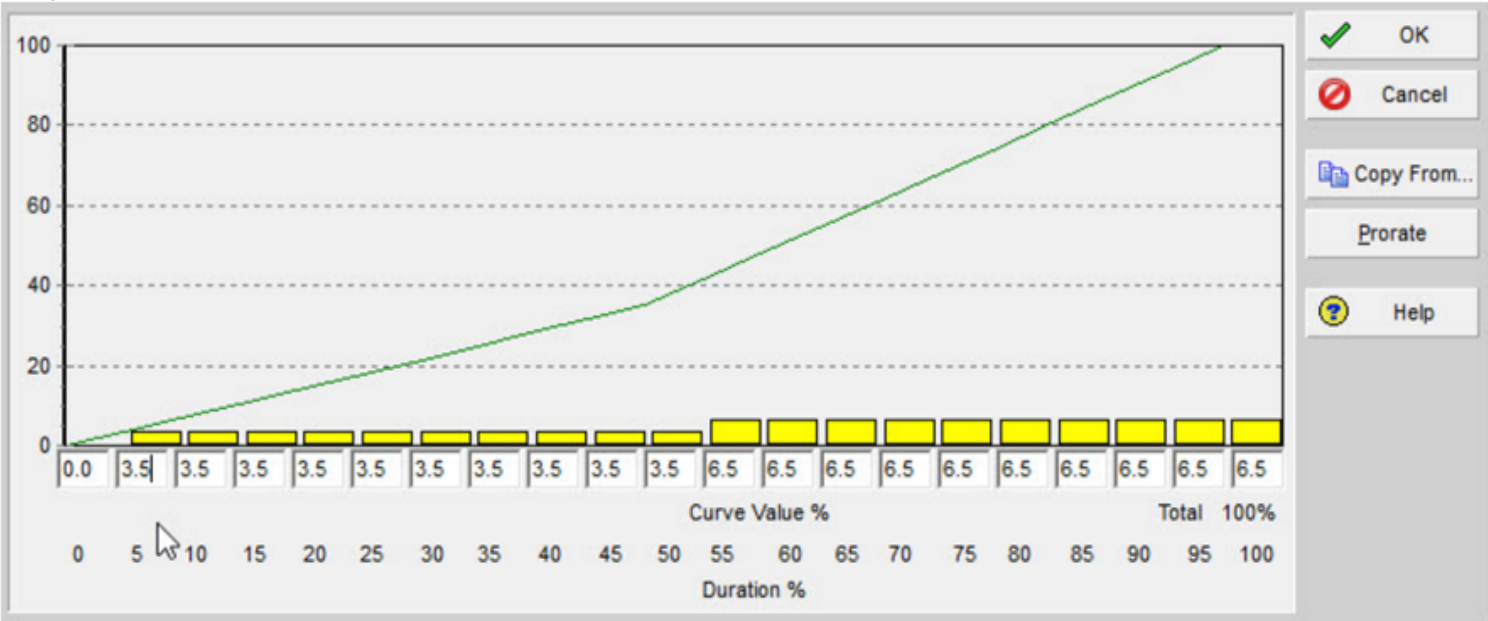
Sample Project Spend Curve

Sample Date Entries Required

Incremental Curve Value
Duration % Increment

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

Sample Screenshot from Primavera P6



APPENDIX E
LOCATION MAP

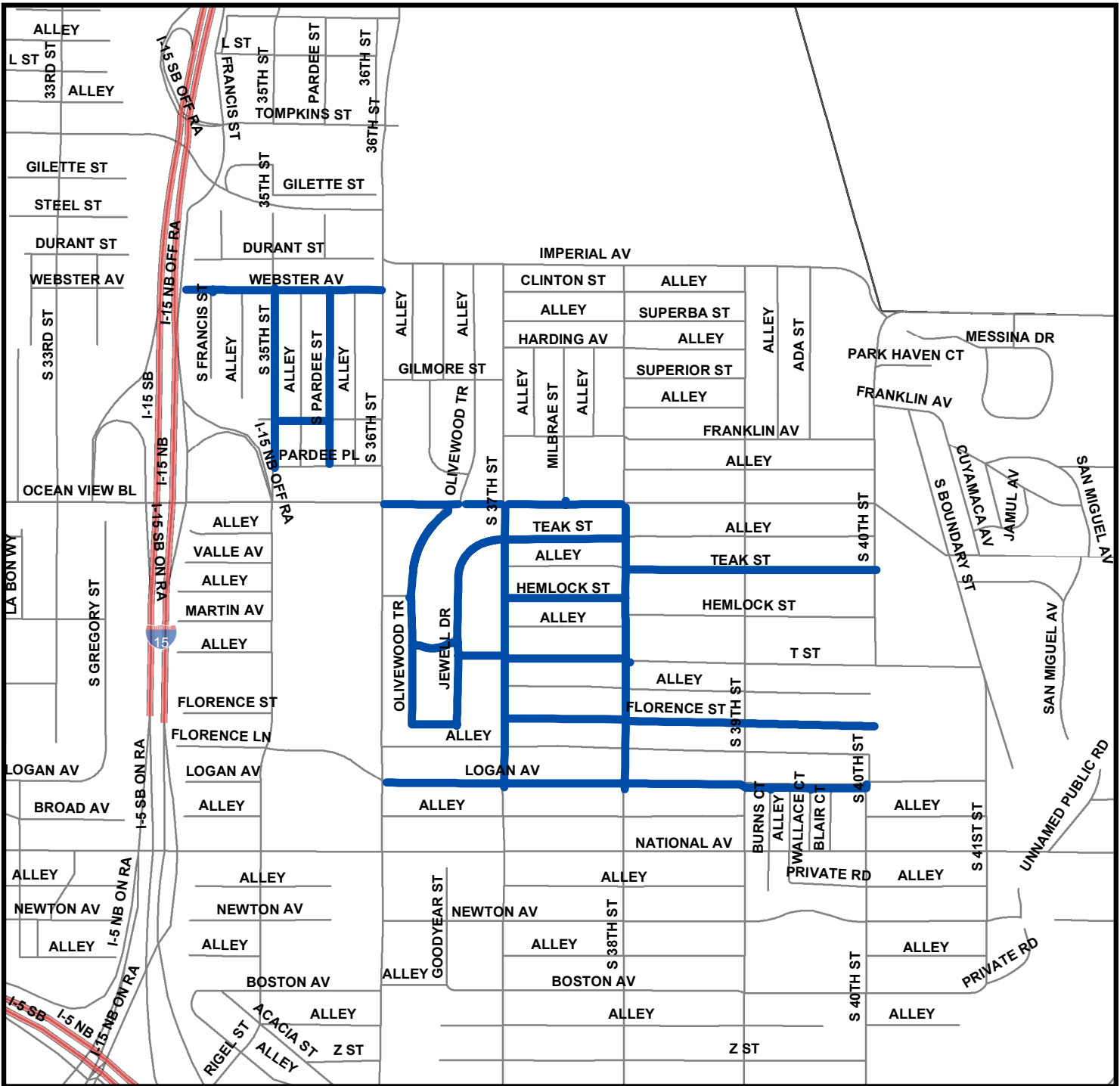
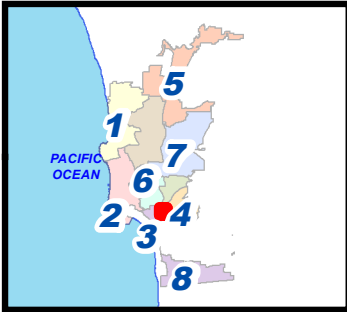
AC WATER GROUP 1012

SENIOR ENGINEER
SHEILA BOSE
(619) 533-4698

PROJECT MANAGER
JAIME RAMOS
(619) 533-5103

PROJECT ENGINEER
JENNY JARRELL
(619) 533-5224

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



Legend

 AC WATER GROUP 1012



COMMUNITY NAME: SOUTHEASTERN SAN DIEGO, SOUTHEASTERN

SAP ID: B16177 (W)

Date: MAY 15, 2017

COUNCIL DISTRICT: 9



APPENDIX F
ADJACENT PROJECTS

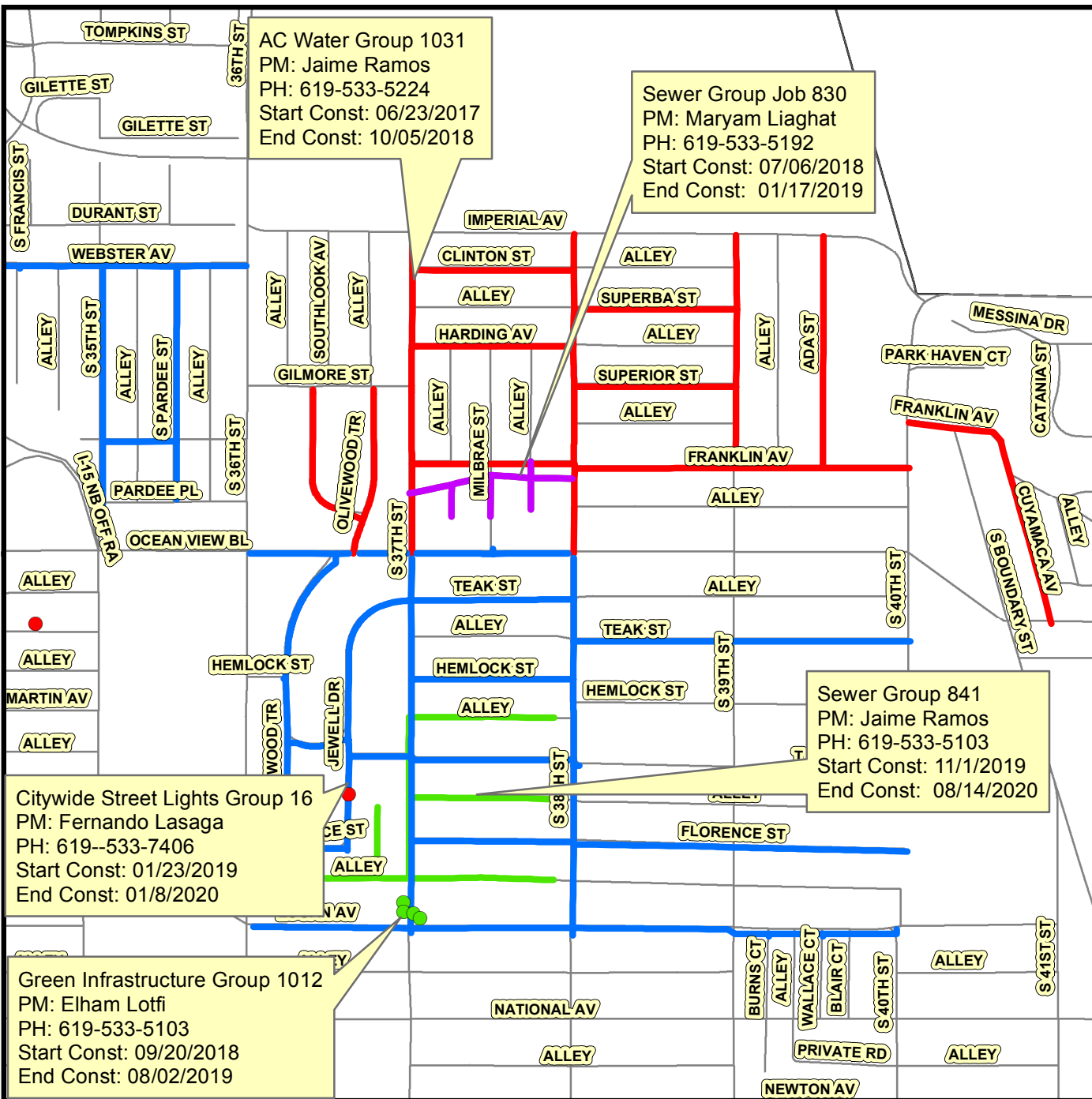
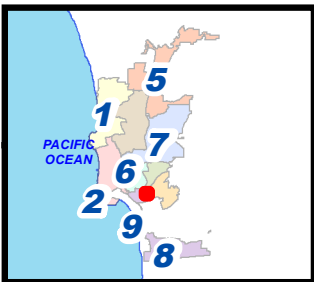
AC WATER GROUP 1012 Adjacent Project Locations

SENIOR ENGINEER
SHEILA BOSE
(619) 533-4698

PROJECT MANAGER
JAIME RAMOS
(619) 533-5103

PROJECT ENGINEER
JENNY JARRELL
(619) 513-5224

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



Legend

- City Street Lights Group 16B
- Green Infrastructure 1012
- AC Water Group 1012
- Sewer Group 830
- AC Water Group 1031
- Sewer Group 841



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

APPENDIX G
EXHIBIT DRAWINGS

TABLE OF CONTENTS	
PAGE NO.	DESCRIPTION
3	CONTRACTOR'S NOTES
5	CONSTRUCTION STANDARDS
7	KEY MAP
9	VICINITY MAP
11-28	GIS SITE MAPS
30-31	WORK BY CITY FORCES
33-34	CHLORINATION DISCHARGE LOCATIONS
35-36	STREET RESURFACING
37-38	SURVEY MONUMENT
39	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- 1.32(ACRES)
- b. HYDROLOGIC UNIT/WATERSHED- Pueblo San Diego/ San Diego Bay
- c. HYDROLOGIC SUBAREA NAME & NO.- Chollas, 908.22
- d. 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

- e. CONSTRUCTION SITE PRIORITY

ASBS HIGH MEDIUM LOW

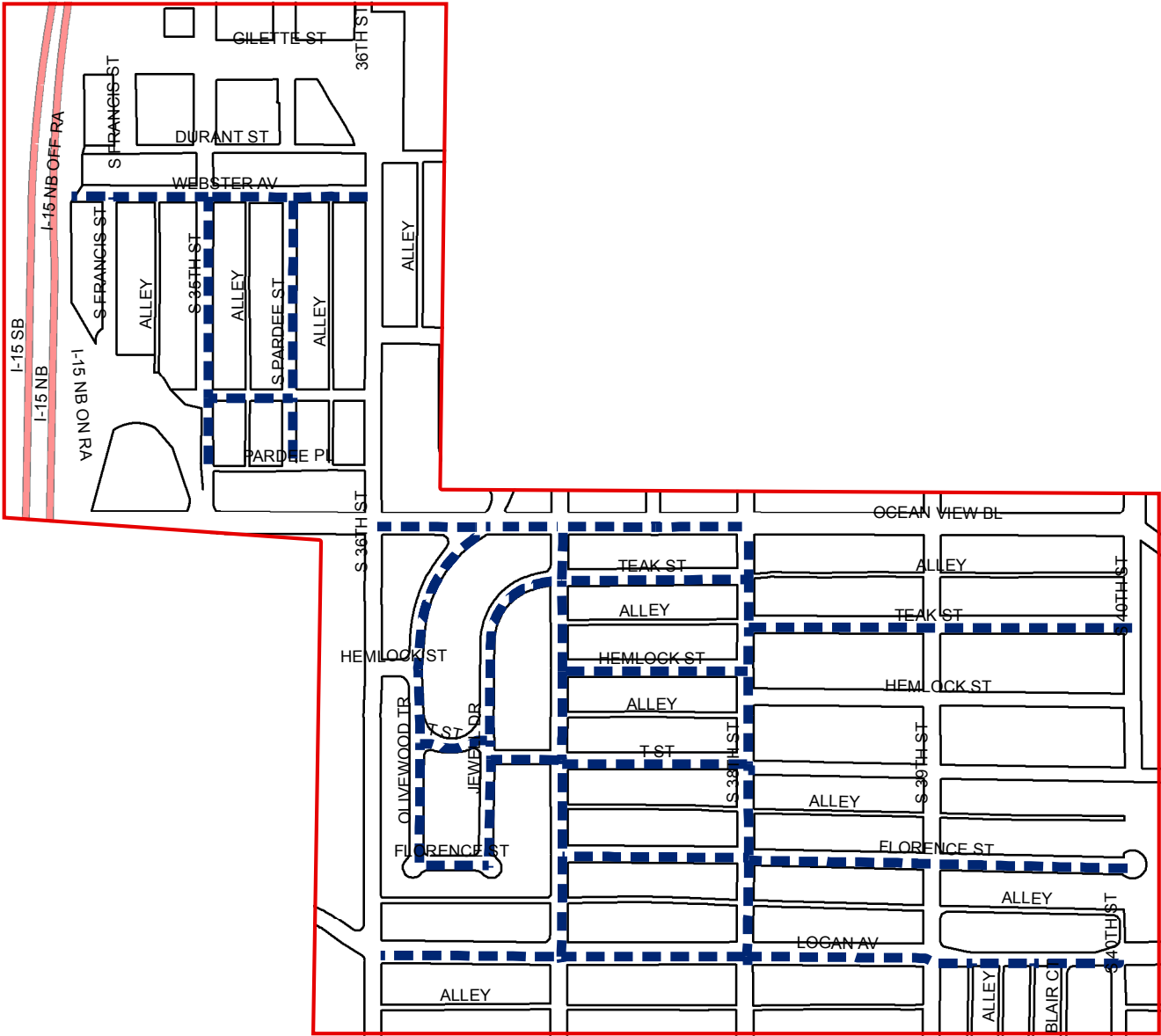
15. ALL ADVANCE METERING INFRASTRUCTURE (AMI) DEVICES ATTACHED TO THE WATER METER OR LOCATED IN OR NEAR WATER METER BOXES, COFFINS, OR VAULTS SHALL BE PROTECTED AT ALL TIMES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

CONSTRUCTION STANDARDS

<u>STANDARD DRAWINGS</u>	<u>IMPROVEMENTS</u>
SDG-107, SDG-108, FOR TRENCH RESURFACING FOR ASPHALT CONCRETE SURFACED STREETS,	TRENCH RESURFACING
M-10A, M-10B	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

KEY MAP

AC WATER GROUP 1012

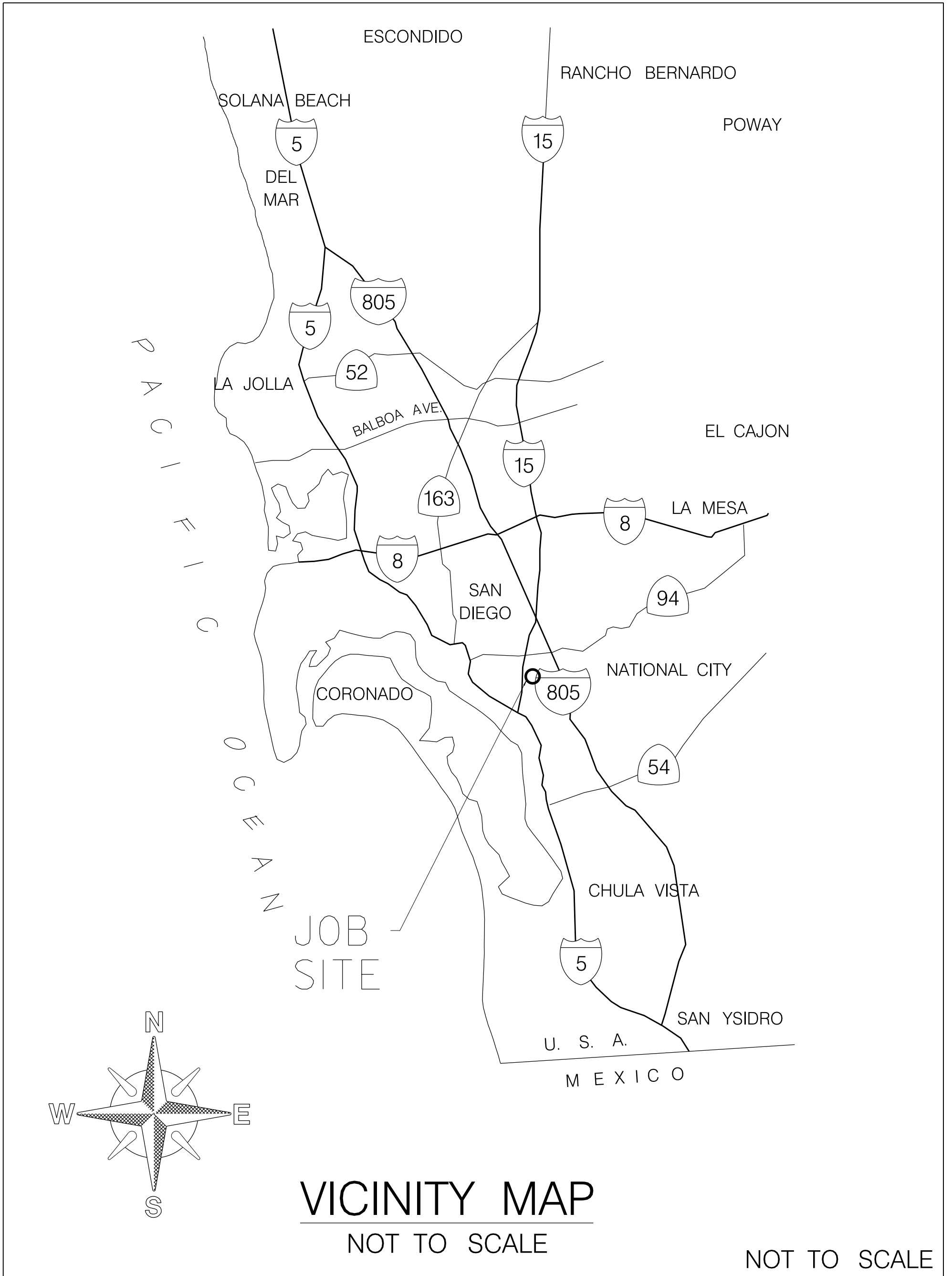


Legend

■ ■ ■ AC WATER GROUP 1012



VICINITY MAP



COMMUNITY NAME: SOUTH EASTERN SAN DIEGO



COUNCIL DISTRICT: 9



WBS# B-16177

SITE MAPS

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 8" VALVE, AHD

RECONNECT AFTER NEW MAIN
(PHASE 1) HAS BEEN ACCEPTED

OPEN EX. 8" VALVE. AHD

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

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

RECONNECT AFTER NEW
MAIN (PHASE 1) HAS BEEN
ACCEPTED

4

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" CROSS (F, MJ, F, F)
3 - 8" VALVES (F, MJ) BK, LT, RT
2 - 8" X 6" REDUCERS, (F, MJ) 10'± LT, RT

5

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 6" AC WTR, 10'±, RT
EX 8" AC WTR, 10'±, LT

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

6

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" CROSS (F, F, MJ, F)
3 - 8" VALVES (F, MJ) BK, AHD, LT
1 - 8" X 6" REDUCER, (F, MJ) 10'± RT
REMOVE GATE VALVE, RT

REFERENCE:

WATER: 20287-5-D, 36394-2-D,
7295-W, 14292-L
SEWER: NONE
STORM DRAIN: 1748-L, 27040-3-D
GAS: 16042-118690, 16050-118690
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: BMD1993
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 G5
HGL: 390

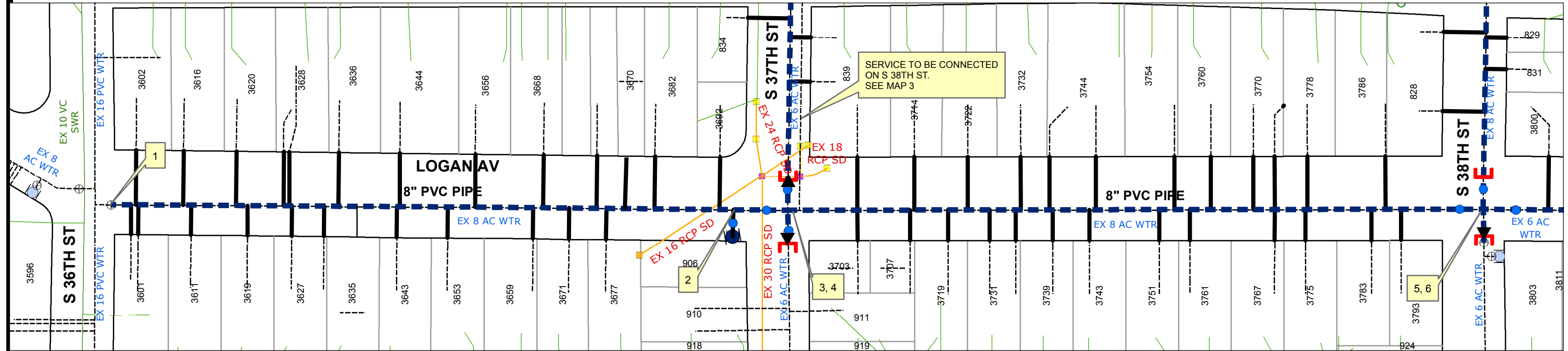
RETIREMENTS:

8" - AC - 1332' - 1983
FH (2-PORT) - 1
1" SERVICE - 51 - COPPER - 1900

PHASE 1

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 3 (PHASE 2)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 4 (PHASE 3)



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

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY© to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY©. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

Legend

- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- ⊕ Proposed 2" Blowoff
- ⊕ Ex. Gate Valves
- Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. Storm Drain Pipe
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- ◀ Reducers
- ⌋ Cut & Plug

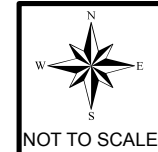
1 Water Note Callout

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

MAPS FOR THE CONSTRUCTION OF AC WATER GROUP 1012 LOGAN AV

S 36TH ST TO S 38TH ST

The City of
SAN DIEGO Public Works



WBS#
B-16177

MAP NO.
1 of 17

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

2
BY CONTRACTOR
FURNISH AND INSTALL
1 - 8" 22.5 BEND (MJ)

3
BY CONTRACTOR
FURNISH AND INSTALL
1 - 8" 22.5 BEND (MJ)
8" PIPE INCLUDED
IN THIS CONTRACT
SEE SHT 4 (PHASE 3)

4
BY CITY FORCES
AHD OF CONTRACTOR
CUT AND PLUG:
EX 4" AC WTR, 10'± RT
RECONNECT AFTER NEW MAIN
(PHASE 1) HAS BEEN ACCEPTED.

5
BY CONTRACTOR
FURNISH AND INSTALL
1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES (F, MJ) BK, RT
1 - 8" X 4" REDUCER (F, MJ) 10'± RT

6
BY CITY FORCES
AHD OF CONTRACTOR
CUT AND PLUG:
EX 4" AC WTR, 10'± RT
RECONNECT AFTER NEW MAIN
(PHASE 1) HAS BEEN ACCEPTED.

7
BY CONTRACTOR
FURNISH AND INSTALL
1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES (F, MJ) BK, RT
1 - 8" X 4" REDUCER (F, MJ) 10'± RT

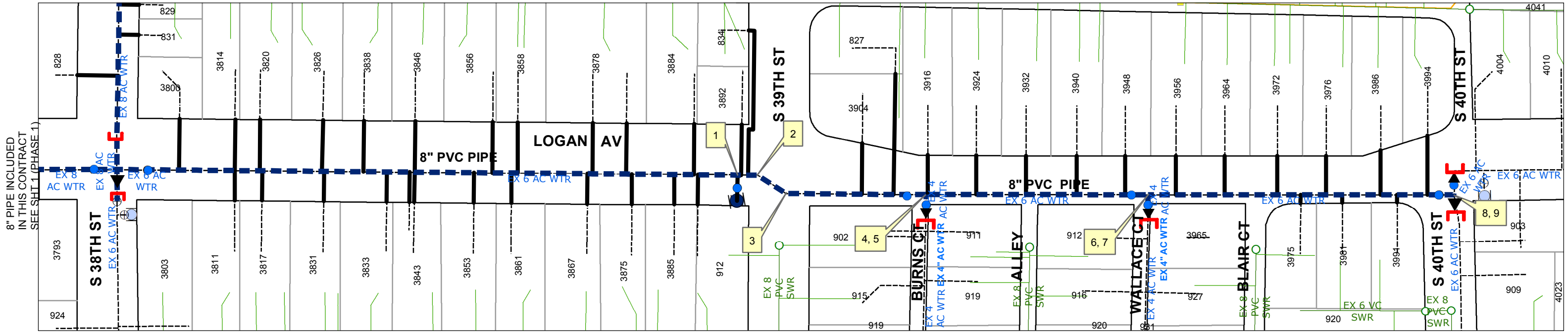
8
BY CITY FORCES
AHD OF CONTRACTOR
CUT AND PLUG:
EX 6" AC WTR, 10'±, LT, RT
RECONNECT AFTER NEW MAIN
(PHASE 1) HAS BEEN ACCEPTED.

9
BY CONTRACTOR
FURNISH AND INSTALL
1 - 8" TEE (F, F, MJ)
2 - 8" GATE VALVES (F, MJ) BK, LT
2 - 8" X 6" REDUCER (F, MJ) 10'± LT, RT

REFERENCE:
WATER: 7295-W, 14292-L
SEWER: NONE
STORM DRAIN: NONE
GAS: 16057-118690, 16065-118690
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: NONE
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 G5
HGL: 390

RETIREMENTS:
6" - AC - 1334' - 1983
FH (2-PORT) - 1
1" SERVICE - 43 - COPPER - 1900

PHASE 1



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY to SanGIS. This map is copyrighted by RAND McNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY.

Legend

- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- Proposed 2" Blowoff
- Ex. Gate Valves
- Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- Reducer
- Cut & Plug
- 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 1012 LOGAN AV

S 38TH ST TO S 40TH ST



WBS#
B-16177

MAP NO.
2 of 17

1
BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, AHD
REMOVE 8" X 6" REDUCER, AHD

OPEN VALVE, AHD
AFTER NEW MAIN (PHASE 2)
HAS BEEN ACCEPTED

2
BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 2) HAS BEEN ACCEPTED.

3
BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES (F, MJ) BK, RT
1 - 8" X 6" REDUCER (F, MJ) RT

4
BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 2) HAS BEEN ACCEPTED.

5
BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES (F, MJ) BK, RT
1 - 8" X 6" REDUCER (F, MJ) LT

6
BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 2) HAS BEEN ACCEPTED.

7
BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
1 - 8" GATE VALVES (F, MJ) LT
1 - 8" X 6" REDUCER (F, MJ) LT

8
BY CONTRACTOR
FURNISH AND INSTALL

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

9
BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 2) HAS BEEN ACCEPTED.

10
BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES (F, MJ) AHD, RT
1 - 8" X 6" REDUCER (F, MJ) RT

11
BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 2) HAS BEEN ACCEPTED.

12
BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" CROSS (F, MJ, F)
3 - 8" GATE VALVES (F, MJ) BK, LT, RT
2 - 8" X 6" REDUCER (F, MJ) LT, RT

13
BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, BK

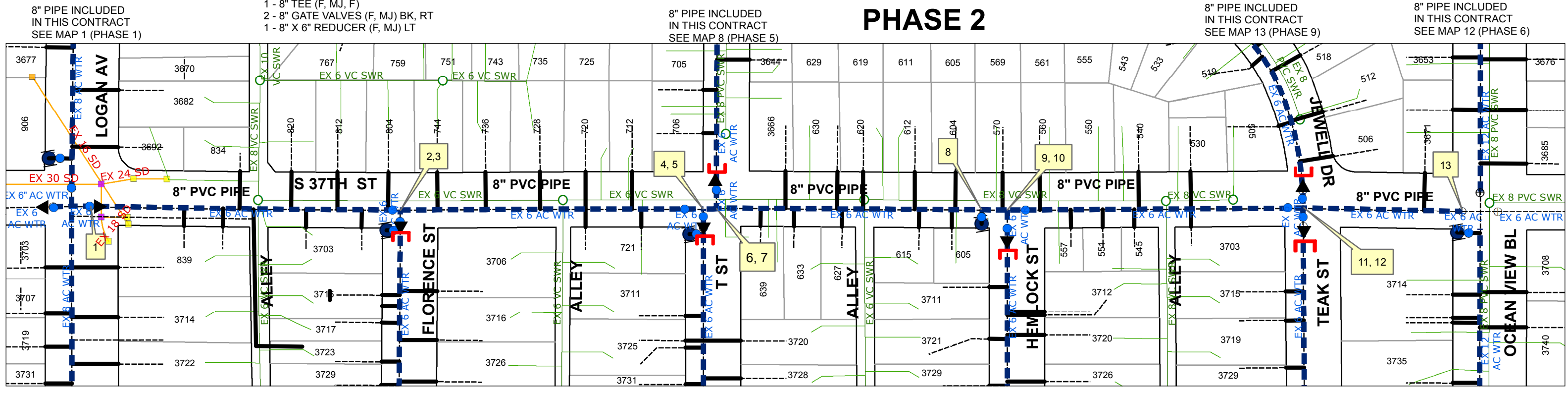
AFTER NEW MAIN (PHASE 2)
HAS BEEN ACCEPTED

OPEN VALVE, BK

REFERENCE:

WATER: 20287-5-D, 15179-4-D,
15179-5-D
SEWER: 15179-4-D, 15179-5-D
STORM DRAIN: 1748-L, 27040-3-D
GAS: 16050-118690, 16050-118695,
16050-11870
ELECTRIC: 16050-118700
CABLE TV: NONE
TELEPHONE: BMC 1993
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 G5
HGL: 390
RETIREMENTS:
6" - AC - 1545' - 1953
FH (2-PORT) - 1
1" SERVICE - 34 - COPPER - 1900

PHASE 2



8" PIPE INCLUDED IN THIS CONTRACT SEE MAP 1 (PHASE 1) 8" PIPE INCLUDED IN THIS CONTRACT SEE MAP 6 (PHASE 4) 8" PIPE INCLUDED IN THIS CONTRACT SEE MAP 8 (PHASE 5) 8" PIPE INCLUDED IN THIS CONTRACT SEE MAP 9 (PHASE 6) 8" PIPE INCLUDED IN THIS CONTRACT SEE MAP 11 (PHASE 7) 8" PIPE INCLUDED IN THIS CONTRACT SEE MAP 12 (PHASE 6)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY® to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

Legend

- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- Proposed 2" Blowoff
- ⊕ Ex. Gate Valves
- Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- ◀ Reducers
- ⌋ Cut & Plug

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 1012 S 37TH ST

LOGAN AV TO OCEAN VIEW BL



1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, AHD

AFTER NEW MAIN (PHASE 3)
HAS BEEN ACCEPTED

OPEN VALVE, AHD

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

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

RECONNECT AFTER NEW MAIN
(PHASE 3) HAS BEEN ACCEPTED.

4

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES (F, MJ) AHD, RT
1 - 8" X 6" REDUCER (F, MJ) RT

5

BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 3) HAS BEEN ACCEPTED.

6

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
1 - 8" GATE VALVES (F, MJ) LT
1 - 8" X 6" REDUCER (F, MJ) LT

7

BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 3) HAS BEEN ACCEPTED.

8

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES (F, MJ) BK, RT
1 - 8" X 6" REDUCER (F, MJ) RT

9

BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 3) HAS BEEN ACCEPTED.

10

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES (F, MJ) AHD, LT
1 - 8" X 6" REDUCER (F, MJ) LT
REMOVE GATE VALVE, BK

11

BY CONTRACTOR
FURNISH AND INSTALL

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

12

BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 3) HAS BEEN ACCEPTED.

13

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES (F, MJ) AHD, RT
1 - 8" X 6" REDUCER (F, MJ) RT
REMOVE GATE VALVE, BK

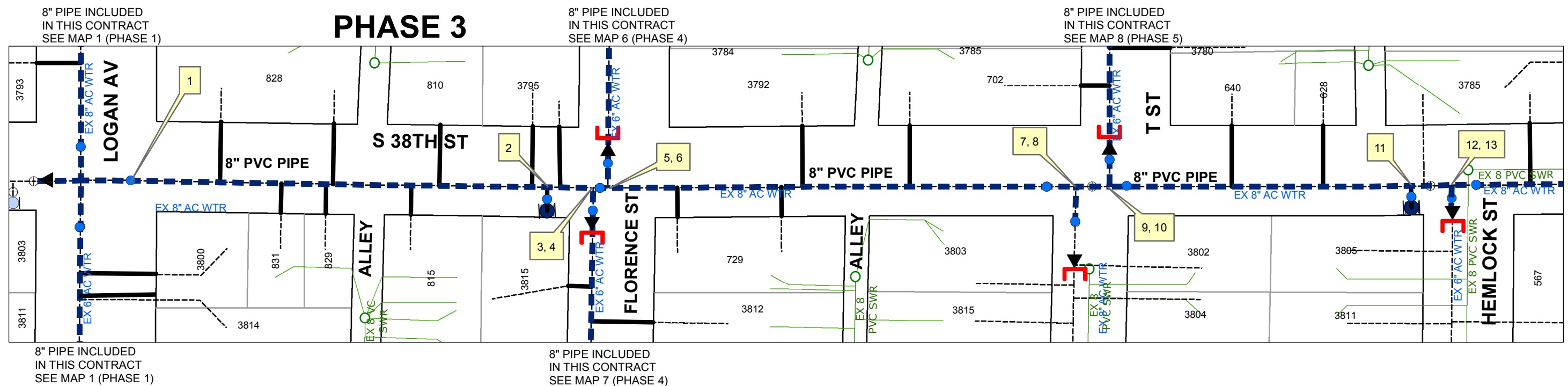
REFERENCE:

WATER: 20287-9-D, 12202-10-D
SEWER: 28406-6-D, 28406-9-D, 28406-12-D
STORM DRAIN: NONE
GAS: 16057-118695, 16057-118690,
16057-118690
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: BC1993, BMD1993
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 G5
HGL: 390

RETIREMENTS:

8" -AC - 945' - 1983
FH (2-PORT) - 2
1" SERVICE - 16 - COPPER - 1900

PHASE 3



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

Legend

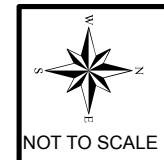
- — — Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- ⊕ Proposed 2" Blowoff
- ⊕ Ex. Gate Valves
- Ex. Fire Hydrants
- — — Ex. Water Pipes
- — — Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- ◀ Reducer
- J Cut & Plug

1 Water Note Callout

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

MAPS FOR THE CONSTRUCTION OF AC WATER GROUP 1012 S 38TH ST

LOGAN AV TO HEMLOCK ST



WBS# B-16177

MAP NO. 4 of 17

1

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 6" AC WTR 10'±, LT

RECONNECT AFTER NEW MAIN
(PHASE 3) HAS BEEN ACCEPTED

2

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES, (F,MJ) AHD, LT
1 - 8" X 6" REDUCER (F, MJ) LT

3

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 6" AC WTR, 10'±, RT

RECONNECT AFTER NEW MAIN
(PHASE 3) HAS BEEN ACCEPTED.

4

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES, (F,MJ) BK, RT
1 - 8" X 6" REDUCER (F, MJ) RT

5

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 6" AC WTR 10'±, LT

RECONNECT AFTER NEW MAIN
(PHASE 3) HAS BEEN ACCEPTED

6

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES, (F,MJ) AHD, LT
1 - 8" X 6" REDUCER (F, MJ) LT

7

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, BK

RECONNECT AFTER NEW MAIN
(PHASE 3) HAS BEEN ACCEPTED

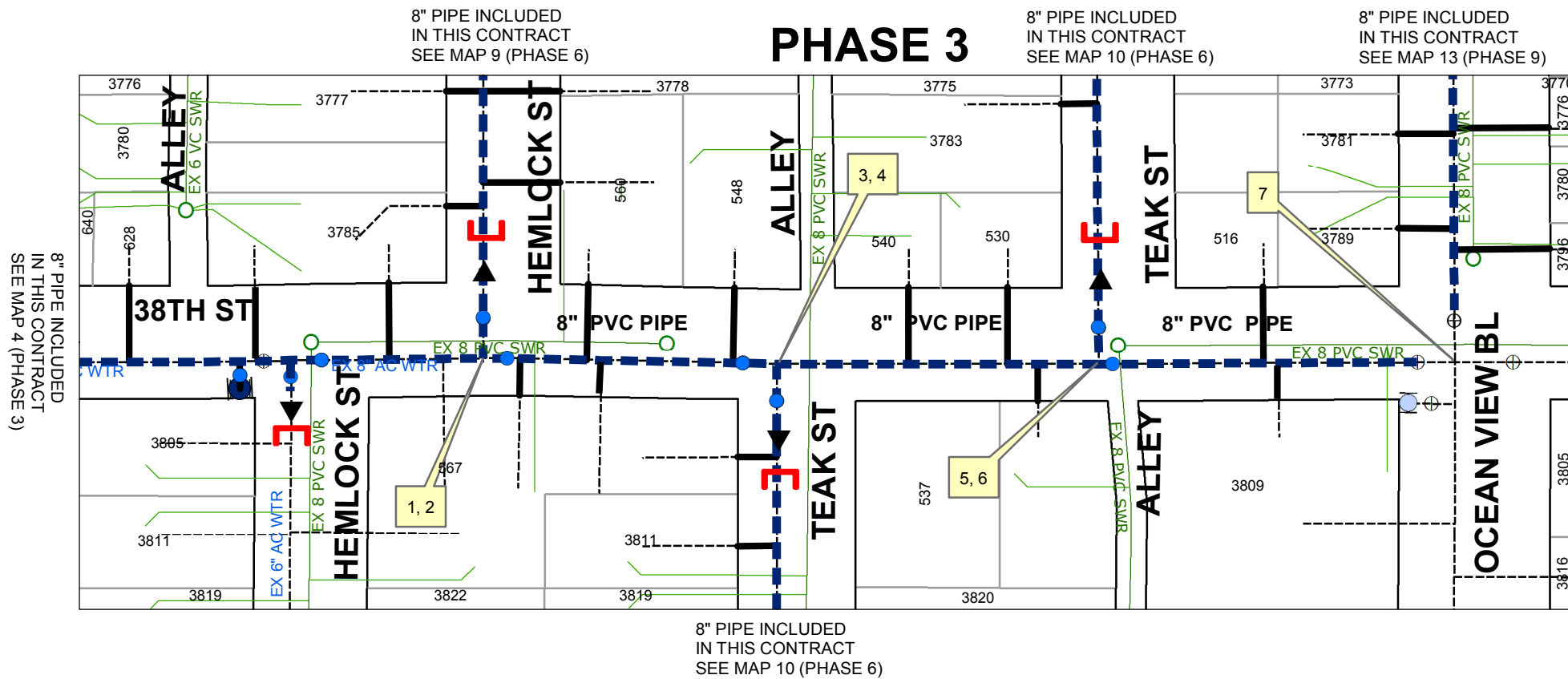
OPEN VALVE, BK

REFERENCE:

WATER: 20287-9-D, 12202-10-D
SEWER: 28406-6-D, 28406-9-D, 28406-12-D
STORM DRAIN: NONE
GAS: 16057-118695, 16057-118690,
16057-118690
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: BC1993, BMD1993
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 G5
HGL: 390

RETIREMENTS:

8" -AC - 595' - 1983
1" SERVICE - 11 - COPPER - 1900



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY© to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY©. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

Legend

- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- ⊕ Proposed 2" Blowoff
- ⊕ Ex. Gate Valves
- ⊕ Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- ◀ Reducer
- ⌋ Cut & Plug

1 Water Note Callout

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

MAPS FOR THE CONSTRUCTION OF AC WATER GROUP 1012 S 38TH ST

LOGAN AV TO HEMLOCK ST



WBS#
B-16177

MAP NO.
5 of 17

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE 8" VALVE, AHD
REMOVE 8" X 6" REDUCER, AHD

RECONNECT AFTER NEW MAIN (PHASE 4)
HAS BEEN ACCEPTED

OPEN VALVE, AHD

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 8" VALVE, BK
REMOVE 8" X 6" REDUCER, BK

RECONNECT AFTER NEW MAIN (PHASE 4)
HAS BEEN ACCEPTED

OPEN VALVE, BK

REFERENCE:

WATER: 20287-6-D, 5559-1-W
SEWER: NONE
STORM DRAIN: NONE
GAS: NONE
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: BMD1993
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 G5
HGL: 390

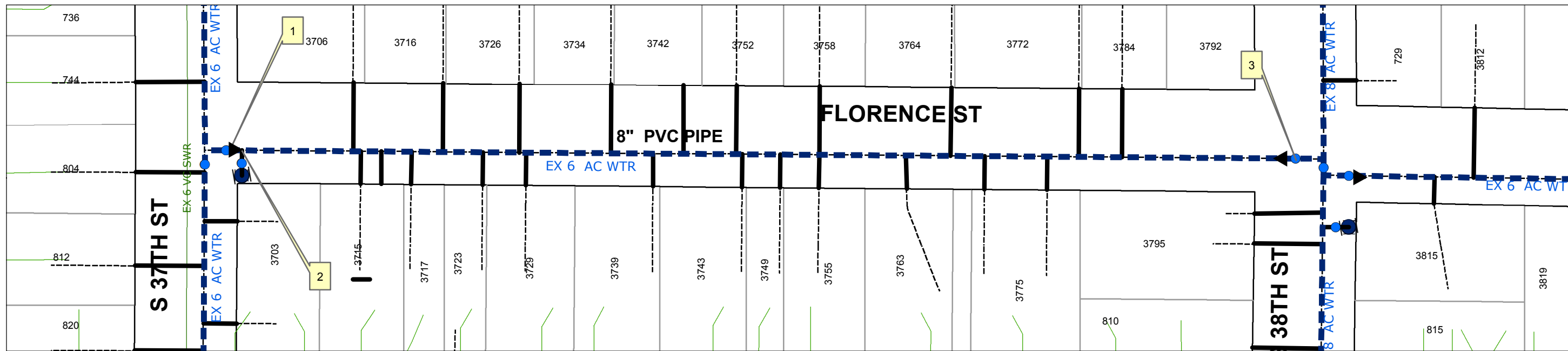
RETIREMENTS:

6" - AC - 644' - 1983
FH (2-PORT) - 1
1" SERVICE - 20 - COPPER - 1900

PHASE 4

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 3 (PHASE 2)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 4 (PHASE 3)



8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 3 (PHASE 2)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 4 (PHASE 3)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 7 (PHASE 4)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY® to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

Legend

- Proposed Pipes
- Proposed Services
- Proposed Gate Valves
- Proposed Fire Hydrants
- Proposed 2" Blowoff
- ⊕ Ex. Gate Valves
- Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- ◀ Reducer
- ┌ Cut & Plug

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 1012 FLORENCE ST

STREET S 37TH ST TO STREET S 38TH ST



WBS#
B-16177

MAP NO.
6 of 17



1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, AHD
REMOVE 8"X6" REDUCER, AHD

RECONNECT AFTER NEW MAIN (PHASE 4)
HAS BEEN ACCEPTED

OPEN VALVE, AHD

2

BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 4) HAS BEEN ACCEPTED.

3

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 8" TEE (MJ, F, F)
2 - 8" GATE VALVES (F, MJ) AHD, LT
1 - 8" X 6" REDUCER (MJ) 10'+ LT

4

BY CONTRACTOR
FURNISH AND INSTALL

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

5

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

1-2" BLOWOFF ASSY

REFERENCE:

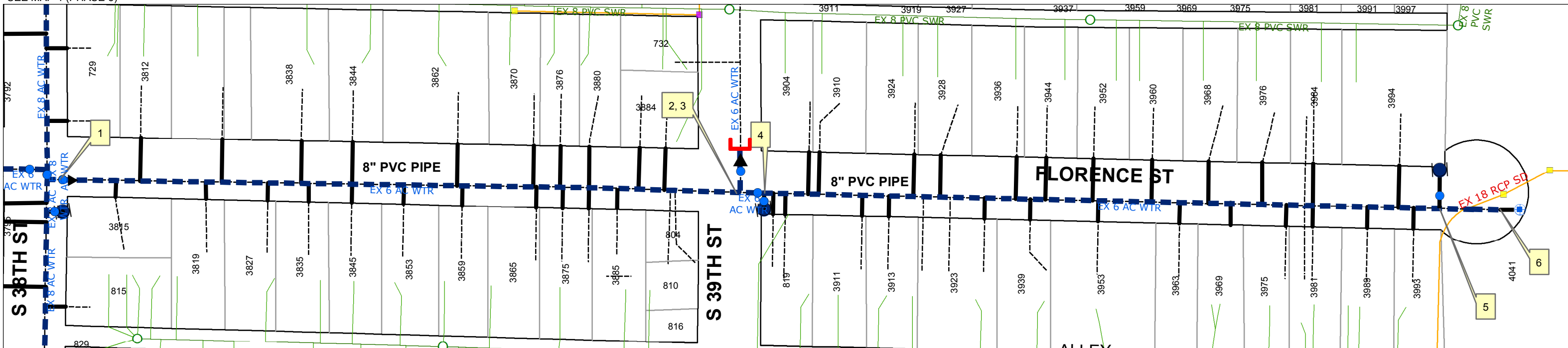
WATER: 5559-1-W, 5559-2-W,
10136-10-D
SEWER: NONE
STORM DRAIN: 10825-3-D
GAS: NONE
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: BMD1993
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 G5
HGL: 390

RETIREMENTS:

6" - AC - 1383' - 1952
FH (2-PORT) - 2
1" SERVICE - 51 - COPPER - 1900

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 4 (PHASE 3)

PHASE 4



8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 4 (PHASE 3)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY® to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

Legend

- Proposed Pipes
- Proposed Services
- Proposed Gate Valves
- Proposed Fire Hydrants
- Proposed 2" Blowoff
- ⊕ Ex. Gate Valve
- Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- ◀ Reducer
- J Cut & Plug

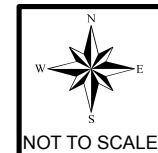
1 Water Note Callout

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

MAPS FOR THE CONSTRUCTION OF AC WATER GROU 1012 FLORENCE ST

STREET S 38TH ST TO STREET CUL-DE-SAC

The City of
SAN DIEGO Public Works



WBS#
B-16177

MAP NO.
7 of 17

1

BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 5) HAS BEEN ACCEPTED

OPEN VALVE, AHD

3

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, BK
REMOVE 8" X 6" REDUCER, BK

RECONNECT AFTER NEW MAIN
(PHASE 5) HAS BEEN ACCEPTED

OPEN VALVE, BK

5

BY CONTRACTOR
FURNISH AND INSTALL

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

7

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, BK
REMOVE 8" X 6" REDUCER, BK

RECONNECT AFTER NEW MAIN
(PHASE 5) HAS BEEN ACCEPTED

OPEN VALVE, BK

2

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 8" TEE (MJ, MJ, F)
2 - 8" VALVES (F, MJ) AHD, LT
2 - 8" X 6" REDUCERS (F, MJ) LT, RT

4

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, AHD
REMOVE 8" X 6" REDUCER, AHD

RECONNECT AFTER NEW MAIN
(PHASE 5) HAS BEEN ACCEPTED

OPEN VALVE, AHD

6

BY CONTRACTOR
FURNISH AND INSTALL

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

REFERENCE:

WATER: 20287-7-D, 20287-9-D,
15179-5-D, 28414-7-D
SEWER: 15179-5-D, 28414-7-D,
28414-8-D
STORM DRAIN: NONE
GAS: NONE
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: BMD1993
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 G5
HGL: 390

RETIREMENTS:

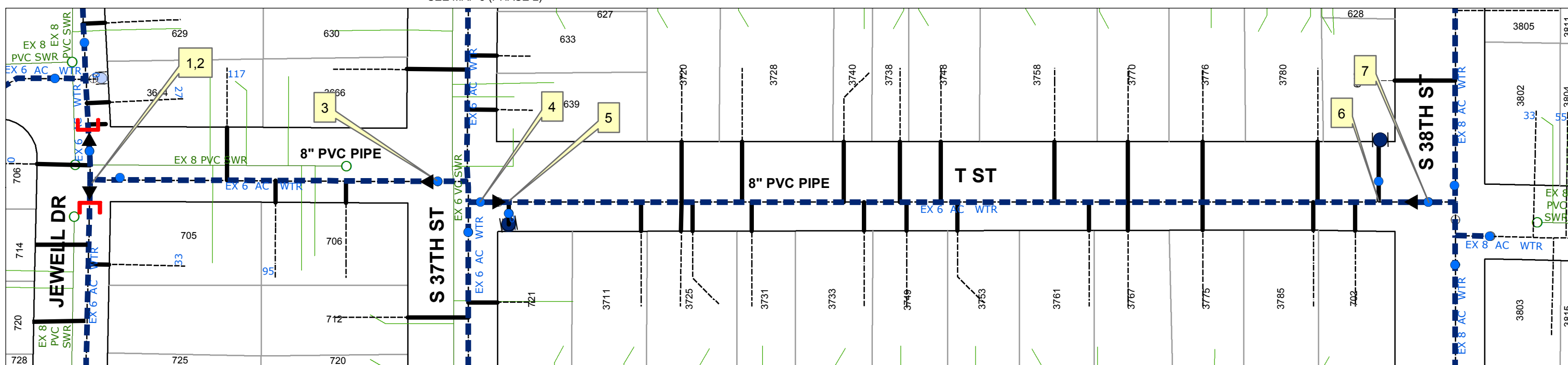
6" - AC - 913' - 1983
FH (2-PORT) - 2
1" SERVICE - 24 - MATERIAL - 1900

PHASE 5

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 13 (PHASE 9)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 3 (PHASE 2)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 4 (PHASE 3)



8" PIPE INCLUDED IN THIS CONTRACT
SEE MAP 13 (PHASE 9)

8" PIPE INCLUDED IN THIS CONTRACT
SEE MAP 3 (PHASE 2)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 4 (PHASE 3)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior written permission of RAND MCNALLY & COMPANY.

Legend

- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- Proposed 2" Blowoff
- Ex. Gate Valves
- Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- Reducer Cut & Plug
- 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 1012 T ST

JEWELL DR TO S 38TH ST

The City of
SAN DIEGO Public Works



WBS#
B-16177

MAP NO.
8 of 17

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, AHD
REMOVE 8" X 6" REDUCER, AHD

RECONNECT AFTER NEW MAIN
(PHASE 6) HAS BEEN ACCEPTED

OPEN EX VALVE, AHD

2

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, BK
REMOVE 8" X 6" REDUCER, BK

RECONNECT AFTER NEW MAIN
(PHASE 6) HAS BEEN ACCEPTED

OPEN VALVE, BK

REFERENCE:

WATER: 20287-9-D, 6441-W
SEWER: 15179-5-D, 28406-9-D
STORM DRAIN: NONE
GAS: NONE
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: BMC1993
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23
THOMAS BROS.: 1289 G5
HGL: 390

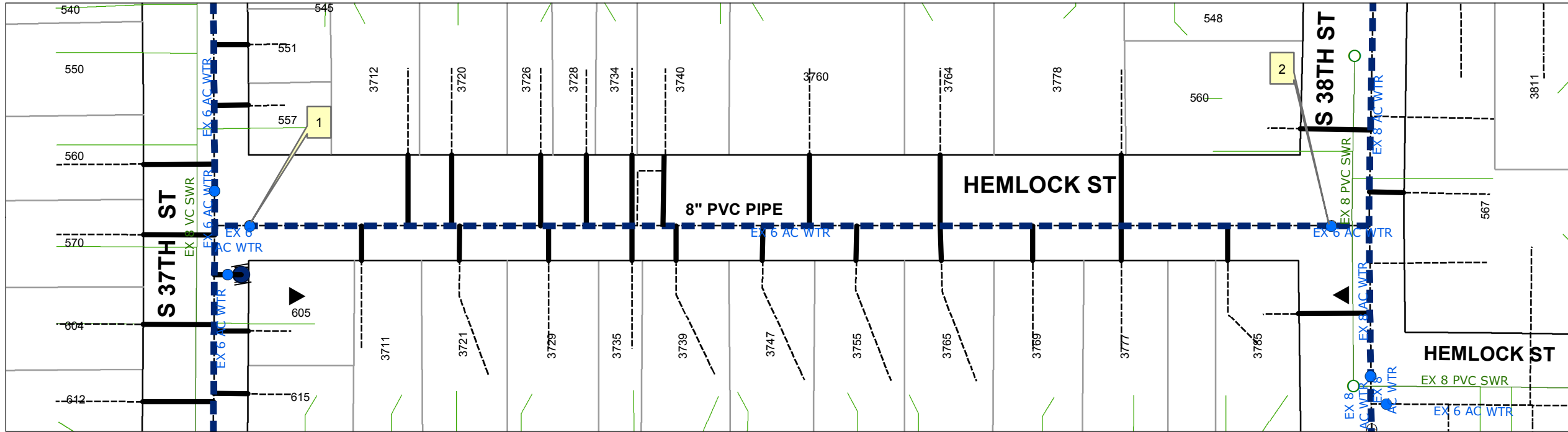
RETIREMENTS:

6" - AC - 658' - 1955
1" SERVICE - 23 - COPPER - 1900
FH (2 PORT) - 1

PHASE 6

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 3 (PHASE 2)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 5 (PHASE 3)



8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 3 (PHASE 2)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 4 (PHASE 3)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY.

Legend

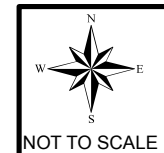
- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- Proposed 2" Blowoff
- Ex' Gate Valves
- Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- Reducer
- Cut & Plug

1 Water Note Callout

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

MSPS FOR THE CONSTRUCTION OF AC WATER GROUP 1012 HEMLOCK ST

S 37TH ST TO 38TH ST



1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX VALVE
REMOVE 8"X6" REDUCER, AHD

RECONNECT AFTER NEW MAIN (PHASE 6)
HAS BEEN ACCEPTED

OPEN VAVLE, AHD

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

CUT AND PLUG:
EX 6" AC WTR, 10'± RT

RECONNECT AFTER NEW MAIN
(PHASE 6) HAS BEEN ACCEPTED.

5

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 8" TEE (F)
2 - 8" GATE VALVES (F, MJ) AHD, RT
1 - 8"X6" REDUCER (MJ) 10'± RT

6

BY CONTRACTOR
FURNISH AND INSTALL

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

7

BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 6) HAS BEEN ACCEPTED.

8

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 8" TEE (F)
2 - 8" GATE VALVES (F, MJ) BK, LT

REFERENCE:

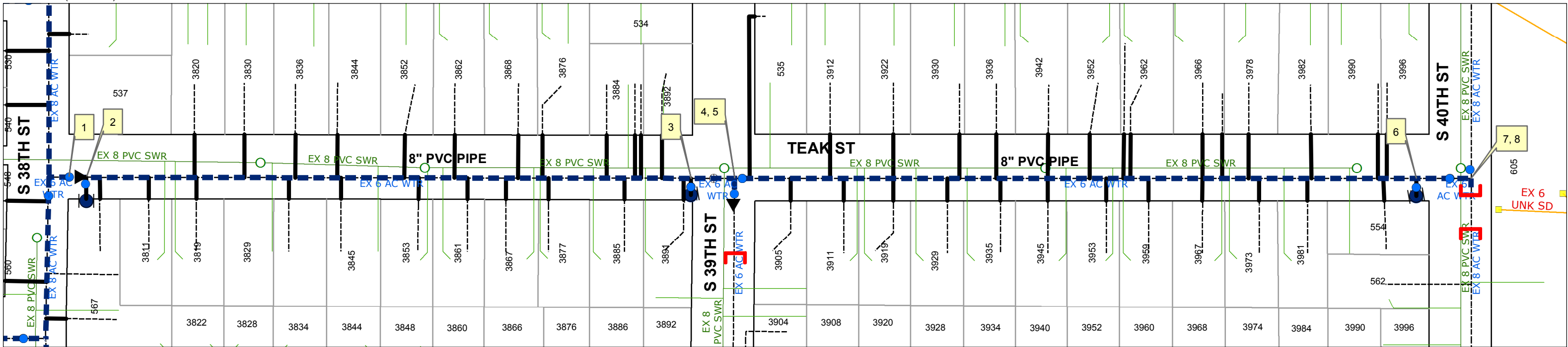
WATER: 10446-2-D, 28406-6-D,
28406-8-D, 28406-9-D,
20287-9-D
SEWER: 28406-6-D, 28406-8-D,
28406-9-D
STORM DRAIN: NONE
GAS: NONE
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: BMC1995
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 G5
HGL: 390

RETIREMENTS:

6" - AC - 1371' - 1962
FH (2-PORT) - 1
FH (3-PORT) - 1
1" SERVICE - 52 - COPPER - 1900

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 5 (PHASE 3)

PHASE 6



8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 5 (PHASE 3)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY© to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY©. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

Legend

- — — Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- ⊕ Proposed 2" Blowoff
- ⊕ Ex. Gate Valves
- Ex. Fire Hydrants
- — — Ex. Water Pipes
- — — Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- ◀ Reducer
-] Cut & Plug

1 Water Note Callout

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

MAPS FOR THE CONSTRUCTION OF AC WATER GROUP 1012 TEAK ST

STREET S 38TH ST TO STREET S 40TH ST



WBS#
B-16177

MAP NO.
10 of 17

The City of
SAN DIEGO Public Works

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, AHD
REMOVE 8" X 6" REDUCER, AHD

RECONNECT AFTER NEW MAIN
(PHASE 7) HAS BEEN ACCEPTED

OPEN VALVE, AHD

2

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVES, BK
REMOVE 8" X 6" REDUCER, BK

RECONNECT AFTER NEW MAIN
(PHASE 7) HAS BEEN ACCEPTED

OPEN VALVE, BK

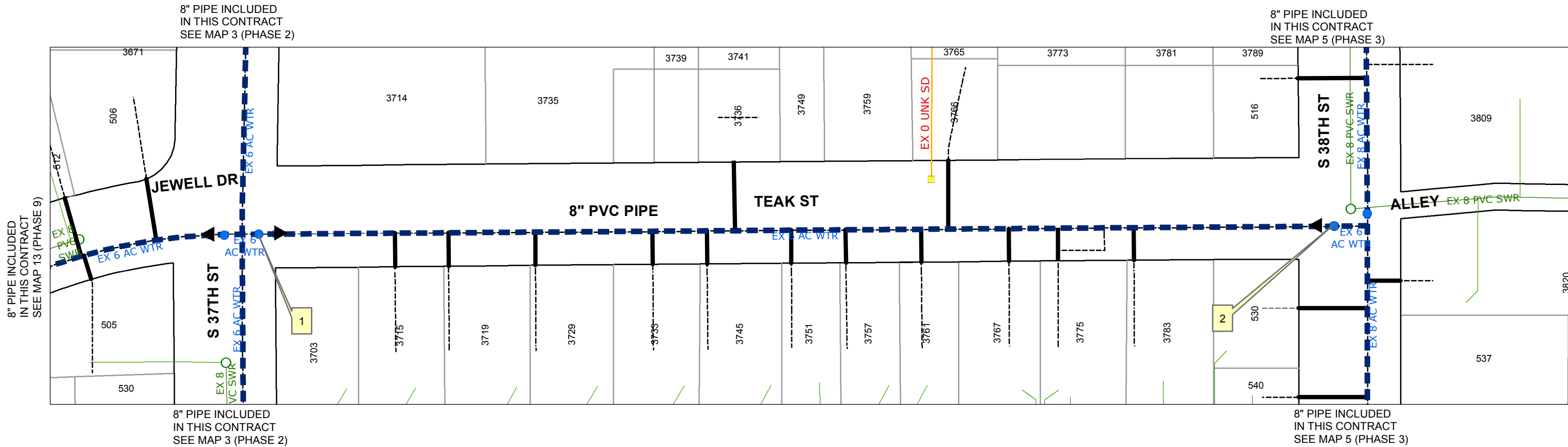
REFERENCE:

WATER: 28406-12-D, 15179-5-D,
20287-9-D
SEWER: 28406-12-D, 15179-5-D
STORM DRAIN: NONE
GAS: NONE
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: NONE
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23
THOMAS BROS.: 1289 G5
HGL: 390

RETIREMENTS:

6" - AC - 663' - 1983
1" SERVICE - 12 - COPPER - 1900

PHASE 7



THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY© to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY©. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

Legend

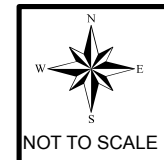
- — — — Proposed Pipes
- Proposed Fire Hydrants
- Proposed Gate Valves
- Proposed 2" Blowoff
- ⊕ Ex. Gate Valves
- — — — Ex. Fire Hydrants
- — — — Ex. Water Pipes
- — — — Ex. Water Services
- Ex. Manholes
- — — — Ex. Sewer Mains
- — — — Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- ◀ Reducer
-] Cut & Plug

1 Water Note Callout

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

MAPS FOR THE CONSTRUCTION OF AC WATER GROUP 1012 TEAK ST

STREET S 37TH ST TO STREET S 38TH ST



WBS#
B-16177

MAP NO.
11 of 17

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 12" VALVE, AHD

RECONNECT AFTER NEW MAIN
(PHASE 8) HAS BEEN ACCEPTED

OPEN EX 12" VALVE, AHD

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'+ RT

RECONNECT AFTER NEW MAIN
(PHASE 8) HAS BEEN ACCEPTED.

4

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" TEE (F, MJ, F)
2 - 12" GATE VALVES (F, MJ) BK, RT
1 - 12" X 6" REDUCER (MJ) 10'+ RT

5

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 12" VALVES, BK, LT

RECONNECT AFTER NEW MAIN
(PHASE 8) HAS BEEN ACCEPTED

OPEN EX 12" VALVE, BK, LT

6

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG
EX 12" AC WTR, 10'+ AHD

CLOSE EX 12" VALVES, BK, RT

RECONNECT AFTER NEW MAIN
(PHASE 8) HAS BEEN ACCEPTED

OPEN EX 12" VALVES, BK, RT

7

BY CONTRACTOR
FURNISH AND INSTALL

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

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

RECONNECT AFTER NEW MAIN
(PHASE 8) HAS BEEN ACCEPTED.

9

BY CONTRACTOR
FURNISH AND INSTALL

1 - 12" X 8" TEE (F, MJ, F)
1 - 12" GATE VALVE (F, MJ) BK
1 - 8" GATE VALVE (F, MJ) LT

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

OPEN EX 12" VALVE

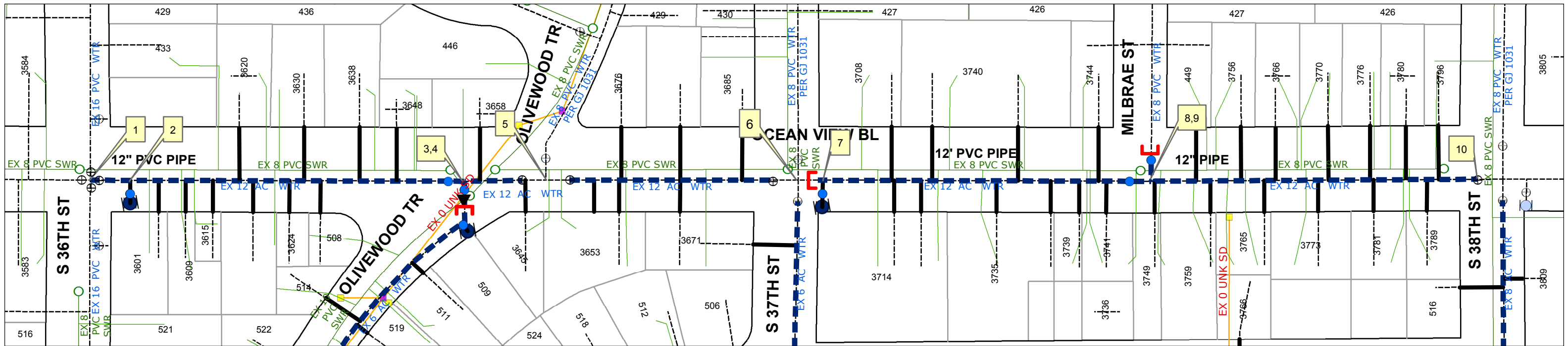
REFERENCE:

WATER: 2607-20-D, 2607-15-D,
20287-9-D, 6177-L, 13097-5-D,
13097-4-D
SEWER: 28414-18-D, 28414-14-D,
28414-12-D, 28414-9-D, 28406-12-D
STORM DRAIN: 5367-L
GAS: NONE
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: BMC1993
IMPROVEMENTS: 3085-D
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 G5
HGL: 390

RETIREMENTS:

12" - AC - 1303' - 1969
FH (2-PORT) - 1
FH (3-PORT) - 1
1" SERVICE - 35 - COPPER - 1900

PHASE 8



8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 14 (PHASE 9)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 3 (PHASE 2)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 5 (PHASE 3)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

Legend

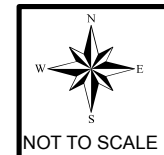
- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- Proposed 2" Blowoff
- Ex. Gate Valve
- Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- Reducer
- Cut & Plug
- 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 1012 OCEAN VIEW BL

S 36TH ST TO S 38TH ST

The City of **SAN DIEGO** Public Works



WBS#
B-16177

MAP NO.
12 of 17

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX VALVE, RT
REMOVE EX REDUCER, RT

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

2

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 8" TEE (F, MJ, F)
2 - 8" GATE VALVES (F, MJ) BK, RT

3

BY CONTRACTOR
FURNISH AND INSTALL

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

4

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, LT
REMOVE 8" X 6" REDUCER

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

5

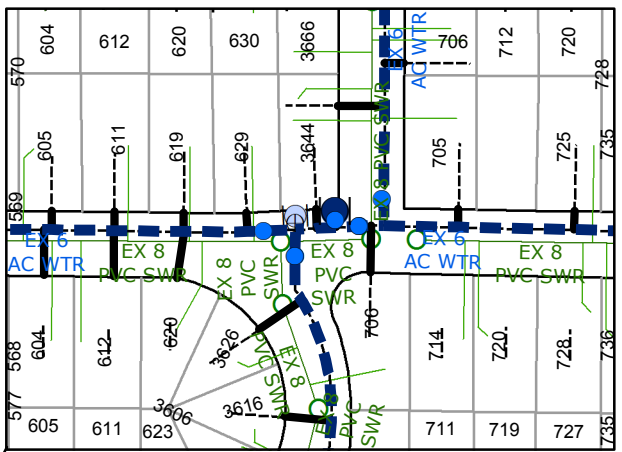
BY CONTRACTOR
FURNISH AND INSTALL

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

6

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" 90 DEGREE BEND (MJ, F)
1 - 8" GATE VALVE (F, MJ) RT



Detail A: Proposed Hydrant at T St and Jewell Dr

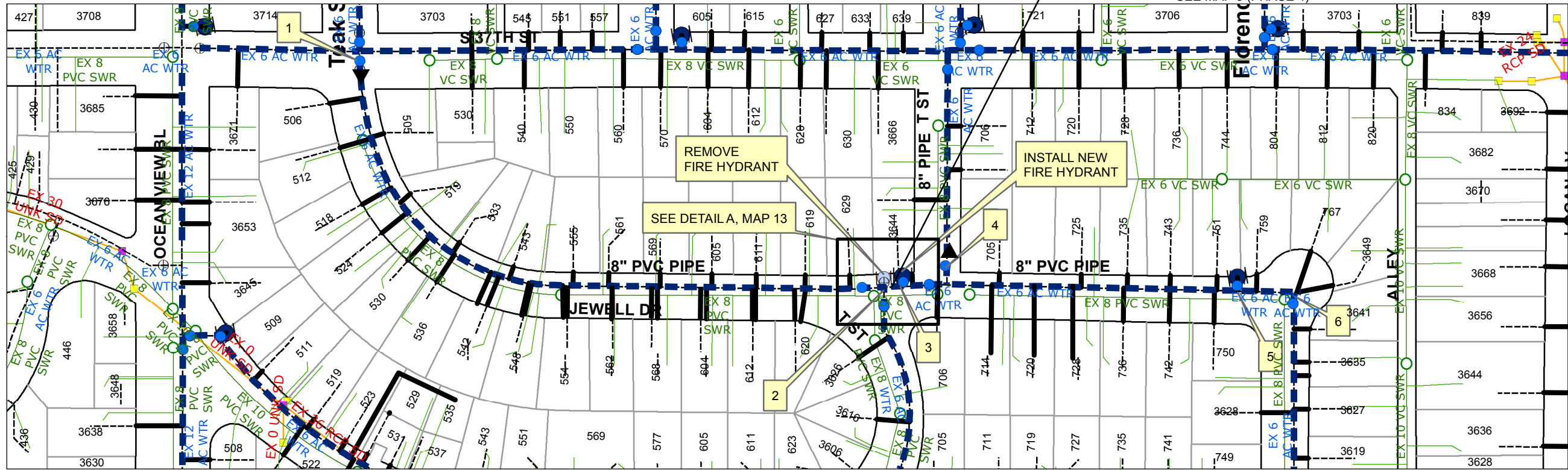
8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 11 (PHASE 7)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 9 (PHASE 6)

PHASE 9

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 8 (PHASE 5)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 6 (PHASE 4)



REMOVE
FIRE HYDRANT

SEE DETAIL A, MAP 13

INSTALL NEW
FIRE HYDRANT

8" PVC PIPE

8" PVC PIPE

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY© to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY©. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 14 (PHASE 5)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 14 (PHASE 9)

Legend

- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- Proposed 2" Blowoff
- Ex. Gate Valves
- Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- Reducer
- Cut & Plug

1 Water Note Callout

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

MAPS FOR THE CONSTRUCTION OF AC WATER GROUP 1012 JEWELL DR

OCEAN VIEW BL TO FLORENCE ST

The City of
SAN DIEGO Public Works



WBS#
B-16177

MAP NO.
13 of 17

REFERENCE:

WATER: 28414-6-D, 28414-8-D,
17437-11-D
SEWER: 28414-6-D, 28414-8-D
STORM DRAIN: NONE
GAS: 16042-118690, 16042-118695
16042-118700, 16050-118700
ELECTRIC: 16042-118700
CABLE TV: NONE
TELEPHONE: BMC1993, BMD1992
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 G5
HGL: 390

RETIREMENTS:

6" - MATERIAL - 1217' - 1980
FH (2-PORT) - 2
1" SERVICE - 41 - COPPER - 1900

1

BY CITY FORCES
AHD OF CONTRACTOR

CLOSE VALVE, AHD
REMOVE 12" X 6" REDUCER, AHD

RECONNECT AFTER NEW MAIN
(PHASE 9) HAS BEEN ACCEPTED

OPEN VALVE, AHD

2

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 6" TEE (MJ, MJ, F)
1 - 6" FH ASSY AND MARKER
1 - 8" 45 BEND (MJ), BK

3

BY CITY FORCES
AHD OF CONTRACTOR

CUT AND PLUG:
EX 8" PVC WTR, 10'± RT

RECONNECT AFTER NEW MAIN
(PHASE 9) HAS BEEN ACCEPTED.

4

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" TEE (F, MJ, F)
2 - 8" GATE VALVES (F, MJ) BK, AHD

5

BY CONTRACTOR
FURNISH AND INSTALL

1 - 8" X 8" TEE (F, MJ, F)
2 - 8" GATE VALVES (F, MJ) BK, LT

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 - 8" 90 DEGREE BEND (F, MJ)
1 - 8" GATE VALVE (F, MJ) LT

REFERENCE:

WATER: 17437-11-D, 26067-17-D,
13097-4-D
SEWER: 28414-9-D, 28414-5-D,
28414-4-D, 28414-6-D
STORM DRAIN: 8026-L, 5367-L
GAS: NONE
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: NONE
IMPROVEMENTS: 7705-L
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 G5
HGL: 390

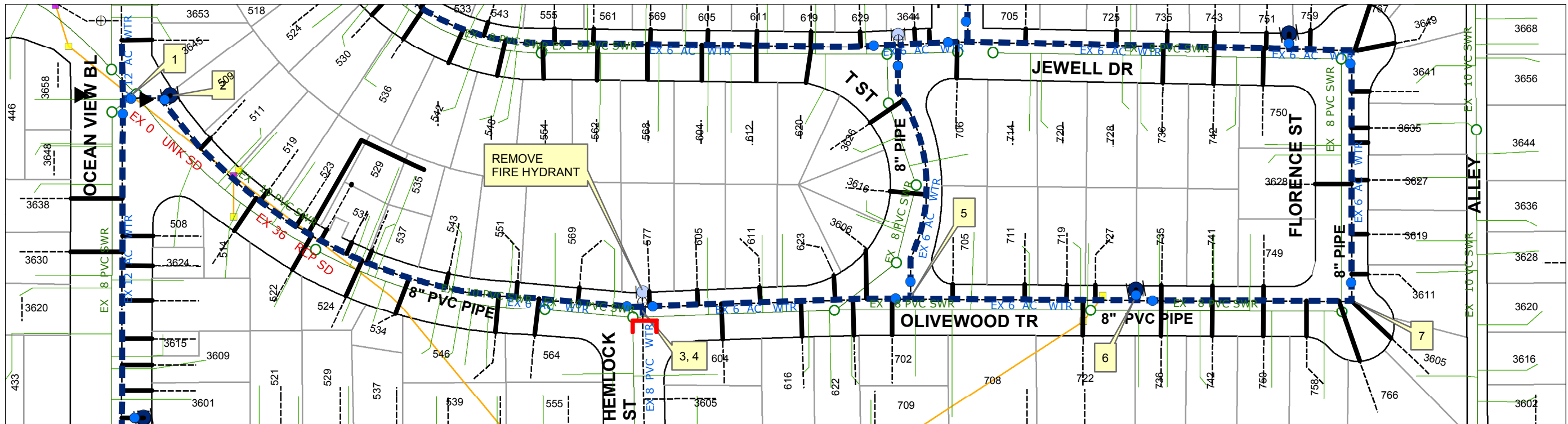
RETIREMENTS:

6" - AC - 1778' - 1778
FH (2-PORT) - 3
1" SERVICE - 47 - COPPER - 1900

PHASE 9

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 12 (PHASE 8)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 12 (PHASE 8)



8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 12 (PHASE 8)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND McNALLY & COMPANY® to SanGIS. This map is copyrighted by RAND McNALLY & COMPANY®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND McNALLY & COMPANY

Legend

- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- Proposed 2" Blowoff
- Ex. Gate Valves
- Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- Reducer
- Cut & Plug
- 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 1012 OLIVERWOOD TR FLORENCE ST T ST

OCEAN VIEW BL TO FLORENCE ST
JEWELL DR TO OLIVERWOOD TR
JEWELL DR TO OLIVERWOOD DR



WBS#
B-16177

MAP NO.
14 of 17

1
BY CONTRACTOR
FURNISH AND INSTALL

1 - 2" BLOW-OFF ASSY

2
BY CONTRACTOR
FURNISH & INSTALL

1 - 8" X 8" TEE (F)
2 - 8" VALVES (F, MJ) AHD, RT

3
BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 10) HAS BEEN ACCEPTED.

CLOSE VALVE, AHD

AFTER NEW MAIN (PHASE 11)
HAS BEEN ACCEPTED

OPEN VALVE, AHD

4
BY CONTRACTOR
FURNISH & INSTALL

1 - 8" CROSS (F, F, MJ, F)
3 - 8" GATE VALVE (F, MJ) BK, AHD, RT

5
BY CONTRACTOR
FURNISH & INSTALL

1 - 8" X 8" TEE (F)
2 - 8" GATE VALVE (F, MJ) AHD, RT

6
BY CITY FORCES
AHD OF CONTRACTOR

CLOSE EX 8" GATE VALVE, BK

RECONNECT AFTER NEW MAIN
(PHASE 11) HAS BEEN ACCEPTED

OPEN EX 8" GATE VALVE, BK

REFERENCE:

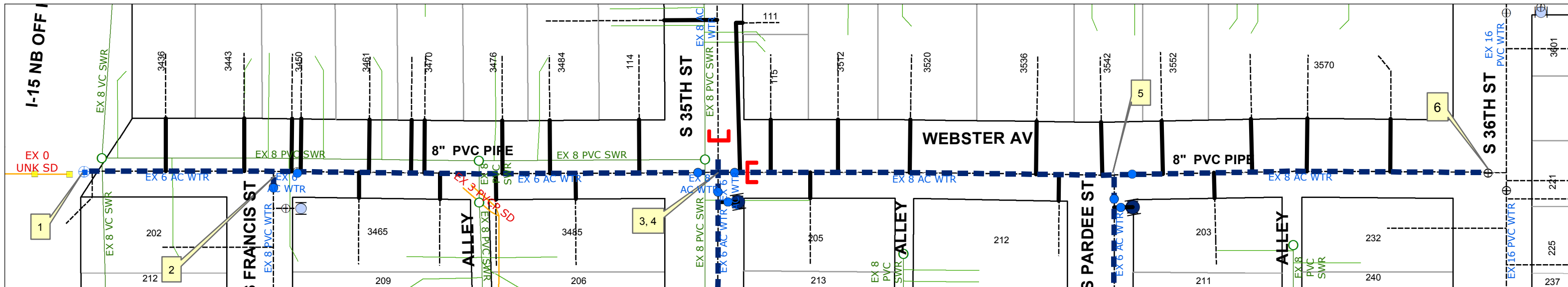
WATER: 26067-16-D, 6332-W
SEWER: 28414-20-D, 28414-19-D,
16511-15-D
STORM DRAIN: 22766-11-D
GAS: NONE
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: BMC1992, BMC1991
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 F4
HGL: 390

RETIREMENTS:

6" - AC - 470' - 1955
8" - AC - 601' - 1955
1" SERVICE - 26 - MATERIAL - 1955

PHASE 10

PHASE 11



8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 16 (PHASE 10)

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 17 (PHASE 10)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

Legend

- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- Proposed 2" Blowoff
- Ex. Gate Valves
- Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- Reducer
- Cut & Plug

1 Water Note Callout

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

MAPS FOR THE CONSTRUCTION OF
AC WATER GROUP 1012
WEBSTER AV

FRANCIS ST TO S 36TH ST



WBS#
B-16177

MAP NO.
15 of 17

1

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" TEE (MJ, F, F)
2 - 8" GATE VALVES (F, MJ) AHD, LT

5

BY CONTRACTOR
FURNISH AND INSTALL

1 - 2" BLOW OFF ASSY

2

BY CITY FORCES
AHD OF CONTRACTOR

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

RECONNECT AFTER NEW MAIN
(PHASE 11) HAS BEEN ACCEPTED

4

BY CONTRACTOR
FURNISH AND INSTALL

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

REFERENCE:

WATER: 26067-18-D, 13503-8-L, 6331-W
SEWER: 28414-19-D, 28414-15-D
STORM DRAIN: NONE
GAS: 16035-118710, 16035-118715
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: BMC1992
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: 1289 F5
HGL: 390

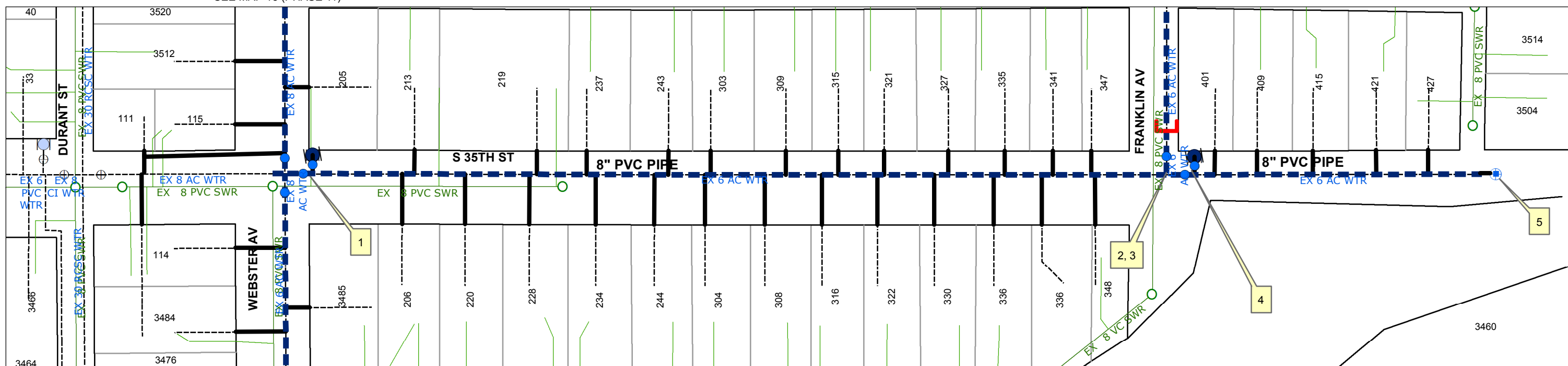
RETIREMENTS:

8" - AC - 164' - 1955
6" - AC - 971' - 1955
FH (2-PORT) - 1
1" SERVICE - 37 - COPPER - 1955

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 15 (PHASE 11)

PHASE 10

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 17 (PHASE 11)



8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 15 (PHASE 10)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY© to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY©. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

Legend

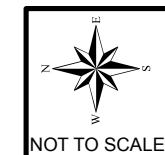
- Proposed Gate Valves
- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- ⊕ Proposed 2" Blowoff
- ⊕ Ex. Gate Valves
- Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- ◀ Reducer
- ⌋ Cut & Plug

1 Water Note Callout

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

MAPS FOR THE CONSTRUCTION OF AC WATER GROUP 1012 S 35TH ST

DURANT ST TO PARDEE PL



WBS#
B-16177

MAP NO.
16 of 17

1

BY CONTRACTOR
FURNISH AND INSTALL

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

2

BY CONTRACTOR
FURNISH & INSTALL

1 - 8" TEE (MJ, F, F)
2 - 8" GATE VALVES (F, MJ) AHD, RT

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 - 2" BLOW-OFF ASSY

REFERENCE:

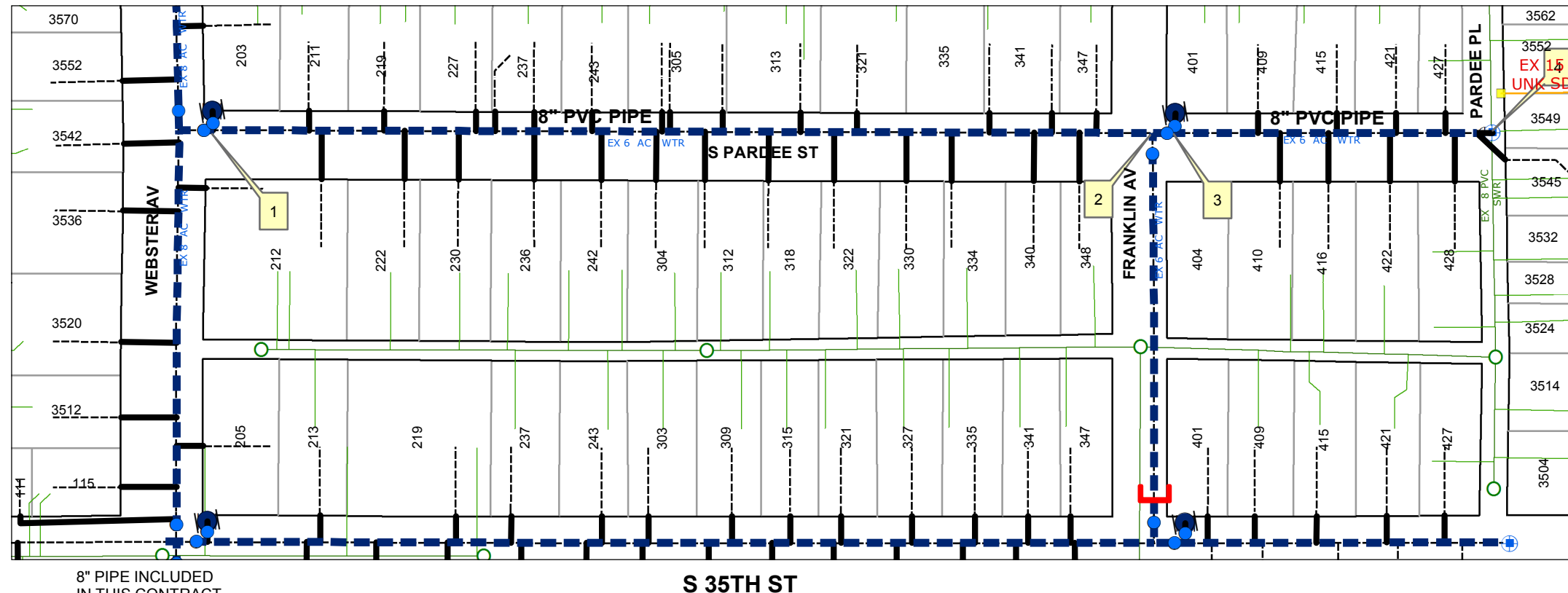
WATER: 6330-W, 6332-W
SEWER: NONE
STORM DRAIN: NONE
GAS: NONE
ELECTRIC: NONE
CABLE TV: NONE
TELEPHONE: BMC1992
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23s
THOMAS BROS.: 1289 F4
HGL: 390

RETIREMENTS:

6" - AC - 1233' - 1955
FH (2-PORT) - 2
1" SERVICE - 35 - MATERIAL - 1955

PHASE 11

8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 15 (PHASE 11)



8" PIPE INCLUDED
IN THIS CONTRACT
SEE MAP 15 (PHASE 10)

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduce with permission granted by RAND MCNALLY & COMPANY© to SanGIS. This map is copyrighted by RAND MCNALLY & COMPANY©. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of RAND MCNALLY & COMPANY

Legend

- Proposed Pipes
- Proposed Services
- Proposed Fire Hydrants
- Proposed Gate Valves
- ⊕ Proposed 2" Blowoff
- ⊕ Ex. Gate Valve
- ⊕ Ex. Fire Hydrants
- Ex. Water Pipes
- Ex. Water Services
- Ex. Manholes
- Ex. Sewer Mains
- Ex. Sewer Laterals
- Ex. SD Inlet
- Ex. SD Cleanout
- Ex. SD Outlet
- Ex. Storm Drain Pipe
- ◀ Reducer
- ⌋ Cut & Plug

1 Water Note Callout

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

MAPS FOR THE CONSTRUCTION OF AC WATER GROUP 1012 S PARDEE ST

WEBSTER ST TO PARDEE PL



WBS#
B-16177

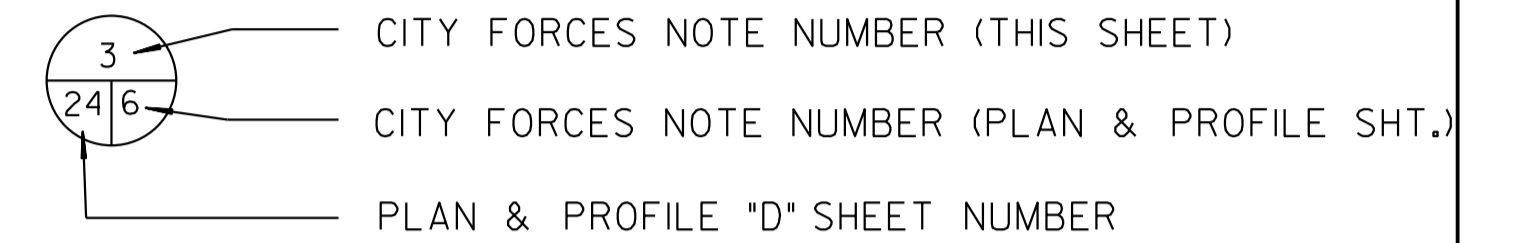
MAP NO.
17 of 17

WORK BY CITY FORCES

WORK BY CITY FORCES

LEGEND

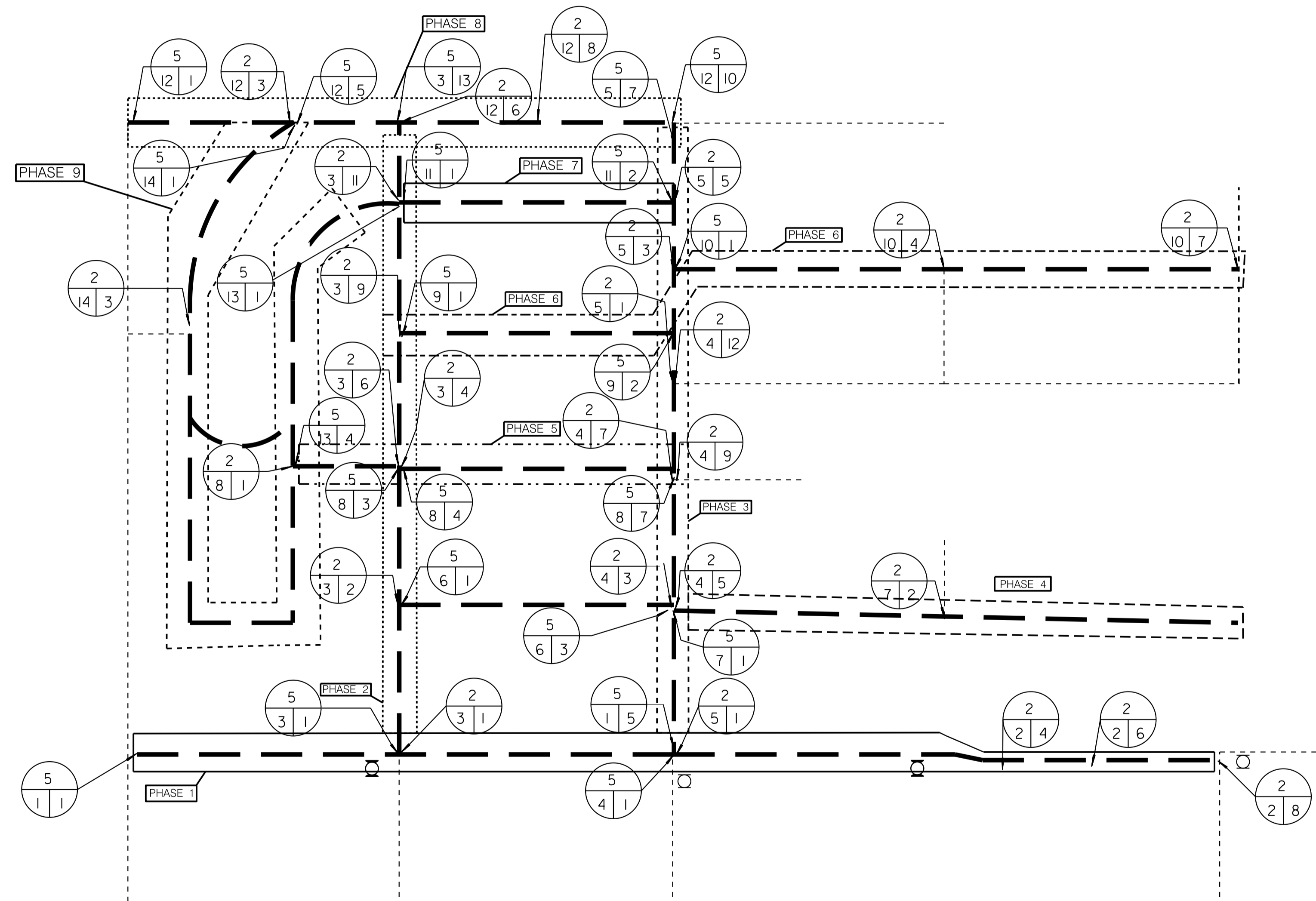
- EXISTING WATER MAIN
- PRESSURE ZONE BOUNDARY
- PROPOSED WATER MAIN
- FIRE HYDRANT TO REMAIN IN SERVICE DURING CONSTRUCTION
- ⊗ FIRE HYDRANT TO BE REPLACED



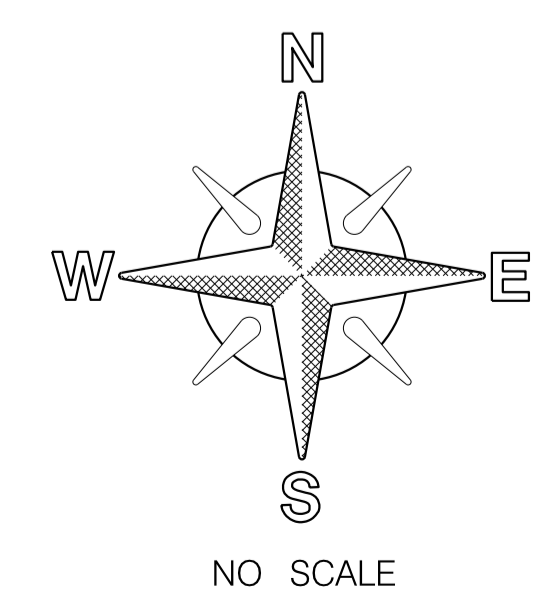
- BC --- BEFORE CONTRACTOR
- AC --- AFTER CONTRACTOR

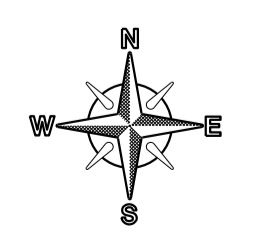
WORK BY CITY FORCES

- 1 BC - TEE/CROSS CUT-IN, OPEN/CLOSE VALVE(S)
AC - RECONNECT. OPEN VALVE(S)
- 2 BC - CUT & PLUG
AC - RECONNECT
- 3 BC - CUT AND ABANDON
- 4 AC - WET TAP
- 5 BC - CLOSE EX. VALVE (REPLACE IF NEEDED)
AC - OPEN EX. VALVE



AREA TO BE WORKED IN PHASES	
-----	PHASE 1
.....	PHASE 2
-----	PHASE 3
-----	PHASE 4
-----	PHASE 5
-----	PHASE 6
-----	PHASE 7
-----	PHASE 8
-----	PHASE 9



PLANS FOR THE CONSTRUCTION OF AC WATER GROUP 1012 WORK BY CITY FORCES (1 OF 2)		
	WBS # B-16177	SEE MAP

WORK BY CITY FORCES

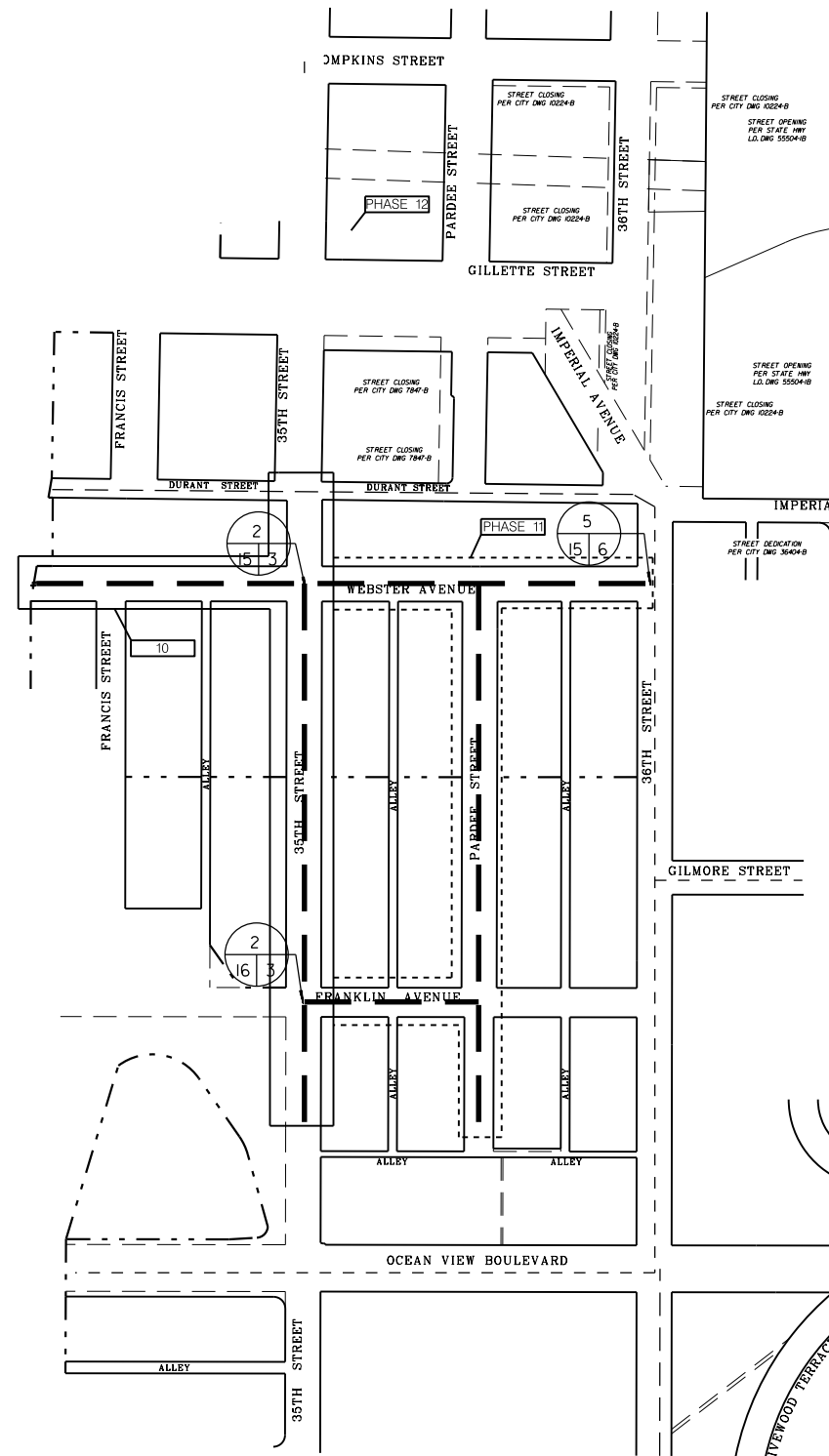
WORK BY CITY FORCES

LEGEND

- EXISTING WATER MAIN
- PRESSURE ZONE BOUNDARY
- PROPOSED WATER MAIN
- ☐ FIRE HYDRANT TO REMAIN IN SERVICE DURING CONSTRUCTION
- ☐ FIRE HYDRANT TO BE REPLACED
- ③ CITY FORCES NOTE NUMBER (THIS SHEET)
- ②④⑥ CITY FORCES NOTE NUMBER (PLAN & PROFILE SHT.)
- PLAN & PROFILE "D" SHEET NUMBER
- BC --- BEFORE CONTRACTOR
- AC --- AFTER CONTRACTOR

WORK BY CITY FORCES

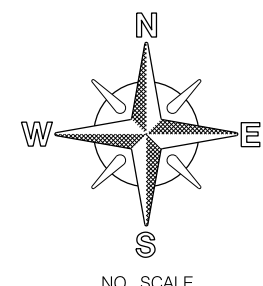
- ① BC - TEE/CROSS CUT-IN, OPEN/CLOSE VALVE(S)
AC - RECONNECT, OPEN VALVE(S)
- ② BC - CUT & PLUG
AC - RECONNECT
- ③ BC - CUT AND ABANDON
- ④ AC - WET TAP
- ⑤ BC - CLOSE EX. VALVE (REPLACE IF NEEDED)
AC - OPEN EX. VALVE



AREA TO BE WORKED IN PHASES

———— PHASE 10

----- PHASE 11



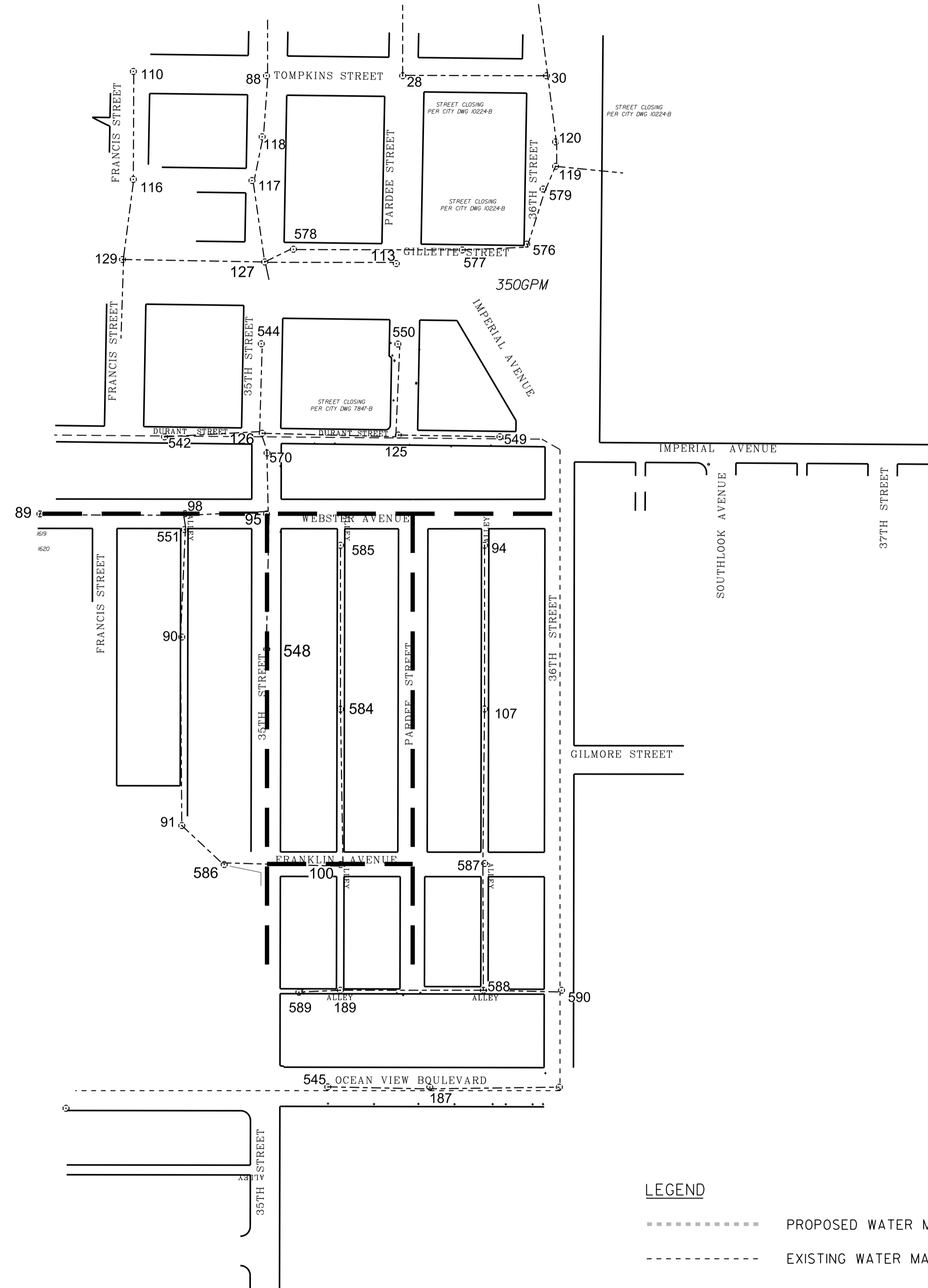
PLANS FOR THE CONSTRUCTION OF AC WATER GROUP 1012 WORK BY CITY FORCES (2 OF 2)		
	WBS # B-16177	SEE MAP

WORK BY CITY FORCES

CHLORINATION DISCHARGE LOCATIONS

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
WEBSTER AV	89	I06968	350
35TH ST	126	I07003	350
WEBSTER AV	95	I06974	350
FLANKLIN AV	100	I06979	350

CONTRACTOR'S NOTE:
CONTRACTOR SHALL OBTAIN THE BATCH
AUTHORIZATION PERMIT AT THE TIME
OF DISCHARGE.



- LEGEND**
- PROPOSED WATER MAIN
 - - - - - EXISTING WATER MAIN
 - EX MANHOLE
 - ⊙ PROPOSED DISCHARGE LOCATION W/MANHOLE ID NO.
 - FSN FACILITY SEQUENCE NUMBER

PLANS FOR THE CONSTRUCTION OF AC WATER GROUP 1012 BATCH DISCHARGE PLAN (2 OF 2)		
	WBS # B-16177	SEE MAP

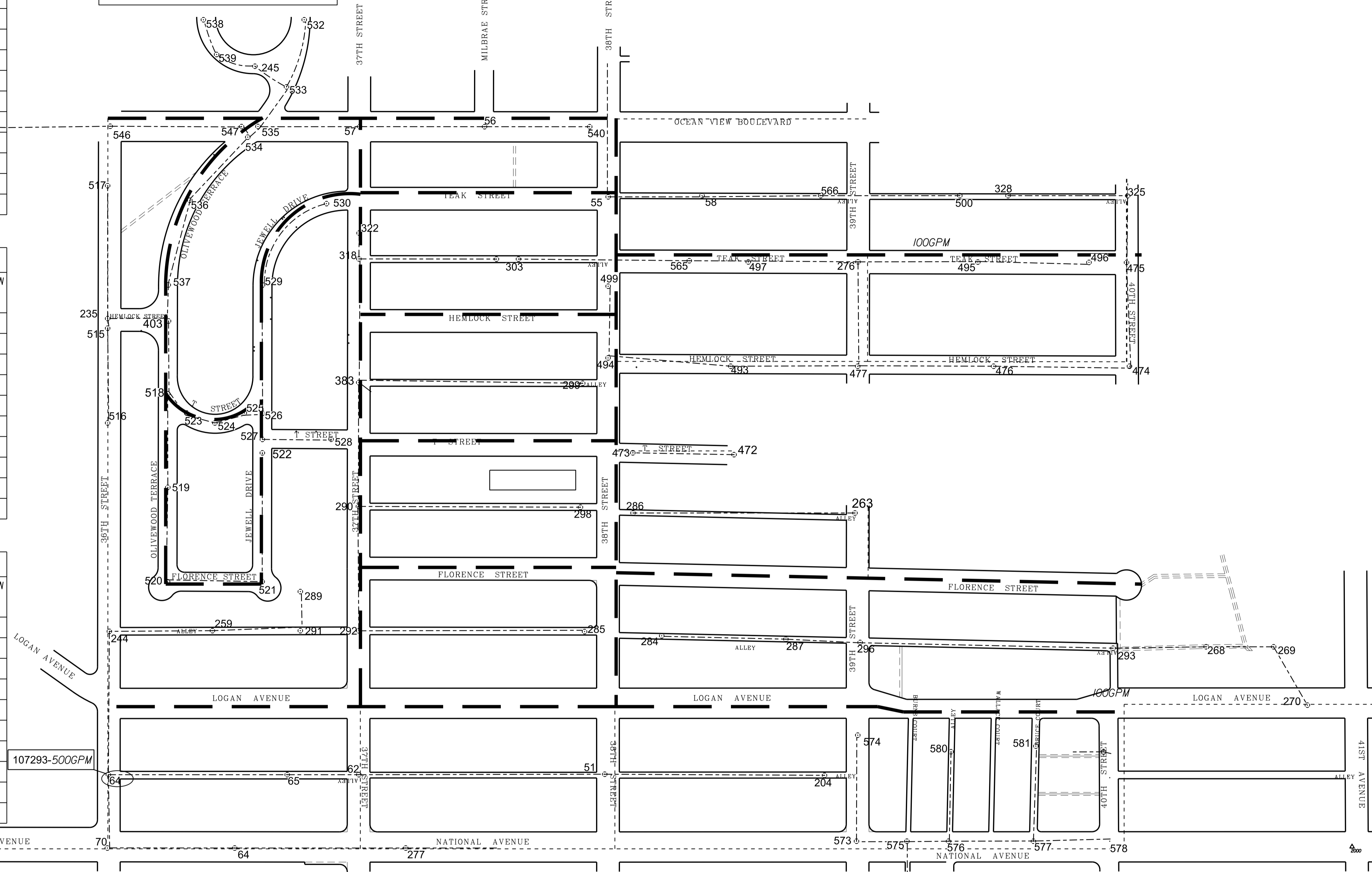
BATCH DISCHARGE PLAN

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
OCEAN VIEW BLVD	546	5502298	500
OCEAN VIEW BLVD	535	5502244	500
OCEAN VIEW BLVD	57	106940	500
OCEAN VIEW BLVD	540	5502184	100
36TH ST	235	107108	500
36TH ST	516	5501864	500
36TH ST	244	107117	500
36TH ST	64	107293	500
36TH ST	70	107299	500
OLIVEWOOD TERRACE	403	107229	500

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
OLIVEWOOD TERRACE	518	5501893	500
FLORENCE ST	520	5501897	400
FLORENCE ST	521	5501956	300
JEWEL DR	530	5501992	500
JEWEL DR	527	5501976	500
JEWEL DR	522	5501957	300
37TH ST	318	107185	200
37TH ST	383	107220	200
37TH ST	290	107158	300
37TH ST	292	107160	200

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
37TH ST	62	107291	300
ALLEY	291	107159	300
38TH ST	55	106938	100
38TH ST	499	5500899	100
38TH ST	494	5500752	100
38TH ST	51	107280	300
ALLEY	303	550789	100
ALLEY	299	107167	200
ALLEY	298	107166	200
ALLEY	285	107153	250

CONTRACTOR'S NOTE:
CONTRACTOR SHALL OBTAIN THE BATCH
AUTHORIZATION PERMIT AT THE TIME
OF DISCHARGE.



DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
T ST	473	5500668	100
ALLEY	286	107154	100
ALLEY	284	107152	100
ALLEY	287	107155	100
39TH ST	276	107148	100
39TH ST	296	107164	100
39TH ST	574	5462950	100
ALLEY	580	5462995	100
BRUCE COURT	581	5462996	100

DISCHARGE TABLE			
STREET NAME	MH ID NO.	FSN	MAX FLOW RATE (GPM)
40TH ST	475	5500673	100




- LEGEND**
- PROPOSED WATER MAIN
 - EXISTING WATER MAIN
 - EX MANHOLE
 - ⊙ PROPOSED DISCHARGE LOCATION W/MANHOLE ID NO.
 - FSN FACILITY SEQUENCE NUMBER

PLANS FOR THE CONSTRUCTION OF
AC WATER GROUP 1012
BATCH DISCHARGE PLAN
(1 OF 2)

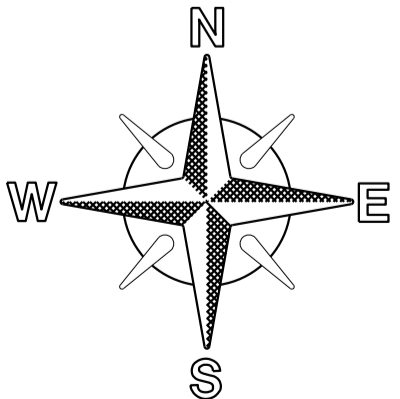
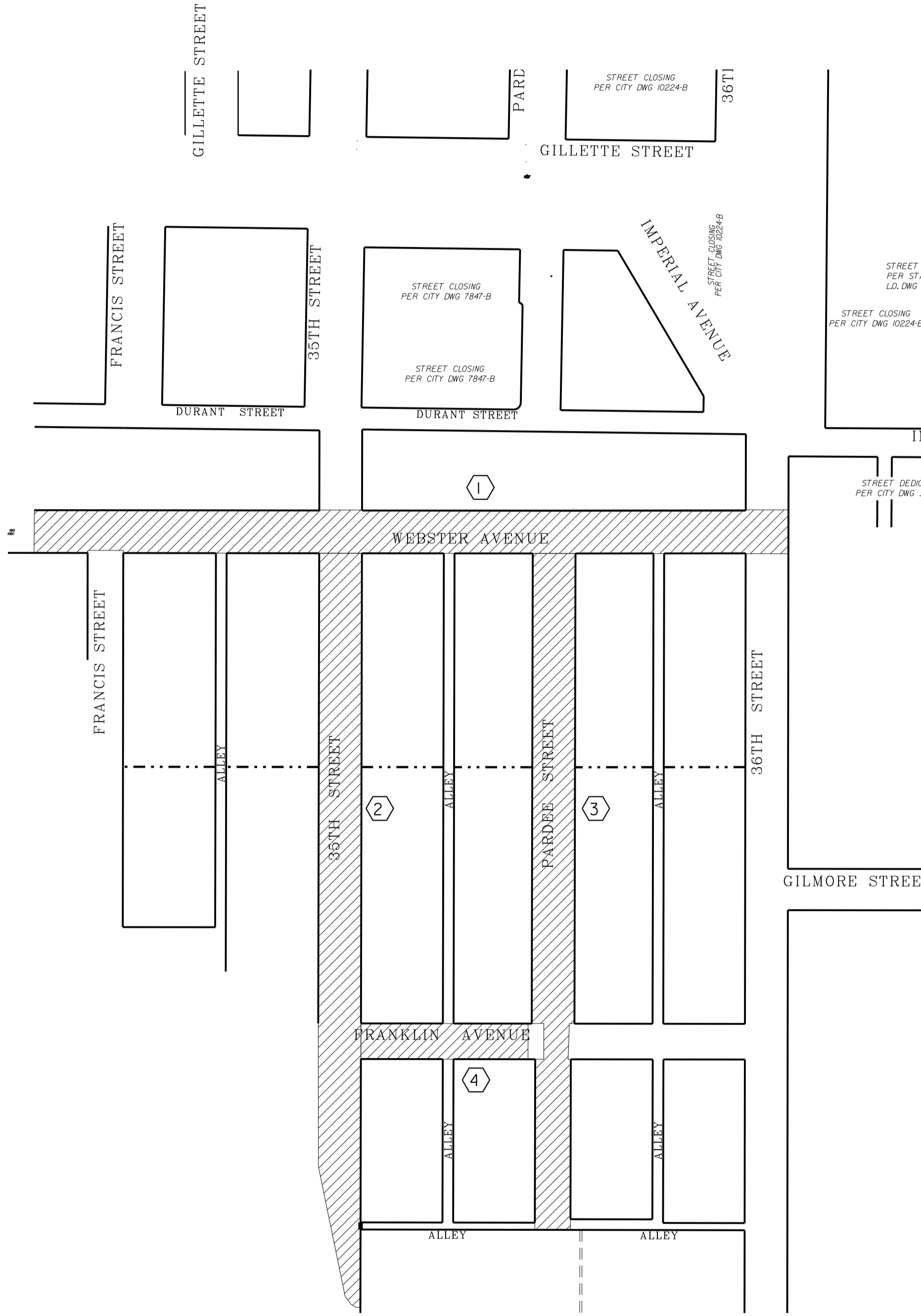
**WBS #
B-16177**

SEE MAP

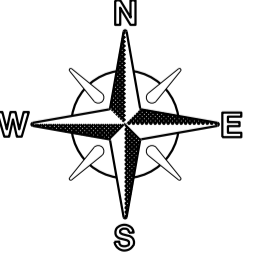
STREET RESURFACING

LEGEND	
	APPROXIMATE LOCATION OF SLURRY SEAL (TYPE I/II)
	APPROXIMATE LOCATION OF SLURRY SEAL (TYPE II/III)
	LOCATION PER PAVING SCHEDULE NOTES (THIS SHEET)
	COLD MILLING ASPHALT CONCRETE PAVEMENT; SDG-106


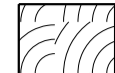

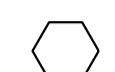
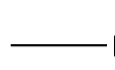
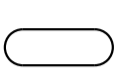

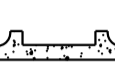
PAVING SCHEDULE NOTES					
NO.	LOCATION	RESTORATION REQUIRED	LENGTH	WIDTH	APPROX. AREA
①	WEBSTER AVE	SLURRY SEAL (II/III)	1,050	35	36,750
②	35TH ST	SLURRY SEAL (II/III)	1,160	35	40,600
③	PARDEE ST	SLURRY SEAL (II/III)	950	25	23,750
④	FRANKLIN AVE	SLURRY SEAL (II/III)	250	25	6,250
⑤					
⑥					
⑦					
⑧					
⑨					
⑩					
⑪					
⑫					
⑬					
TOTAL AREA OF SLURRY SEAL TYPE II OVER TYPE III					107,350 SF
TOTAL AREA OF CROSS GUTTER					1,000 SF



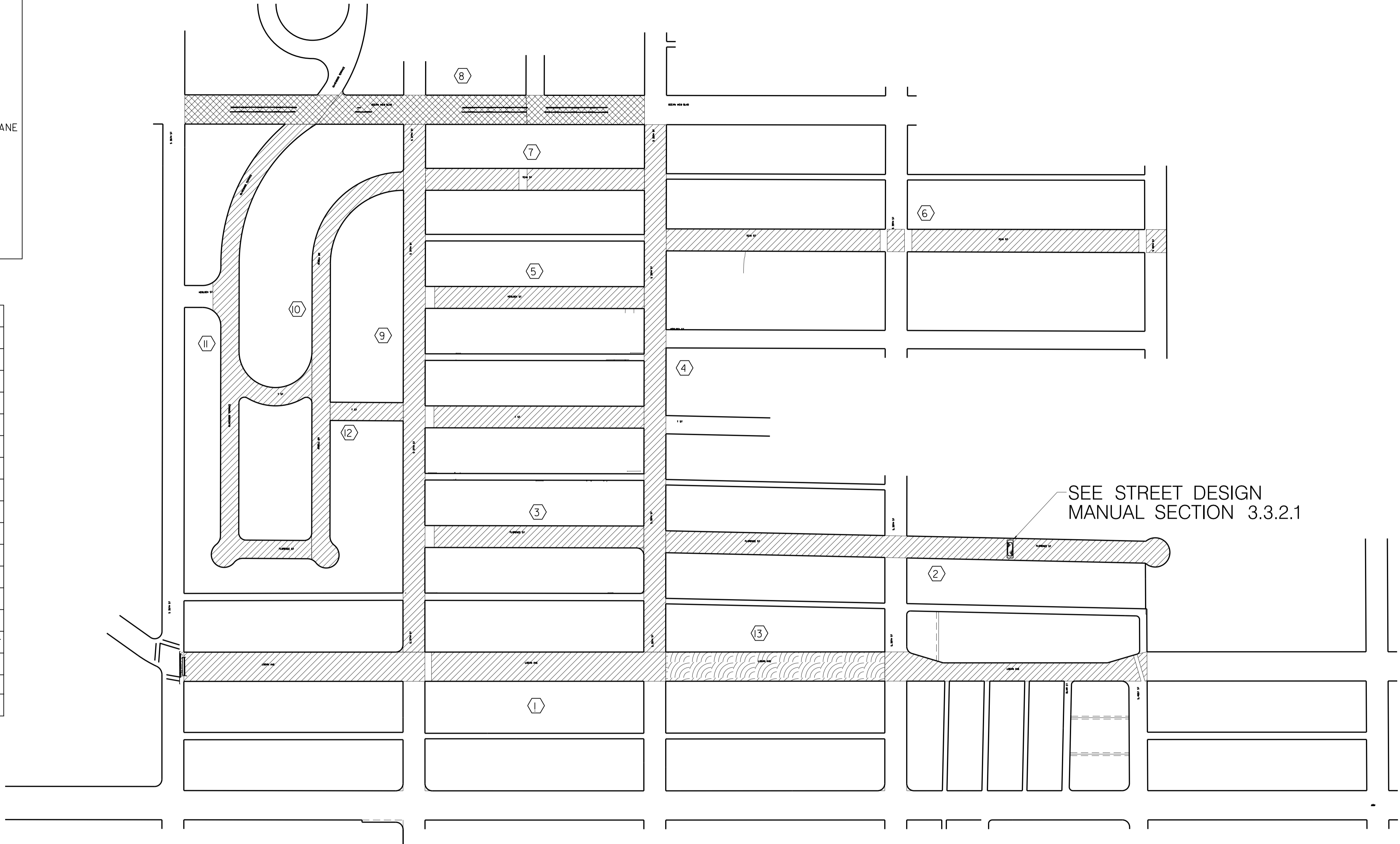
NO SCALE

<p>MAPS FOR THE CONSTRUCTION OF AC WATER GROUP 1012</p> <p>STREET RESURFACING (2 OF 2)</p>		
 NOT TO SCALE	<p>WBS # B-16177</p>	<p>SEE MAP</p>

STREET RESURFACING

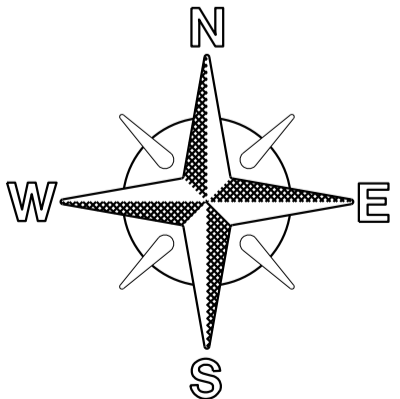
LEGEND	
	APPROXIMATE LOCATION OF SLURRY SEAL (TYPE I/II)
	APPROXIMATE LOCATION OF 2-IN-AC OVERLAY
	APPROXIMATE LIMITS OF SLURRY SEAL (TYPE II/III)
	LOCATION PER PAVING SCHEDULE NOTES (THIS SHEET)
	APPROX. LOCATION OF SLURRY SEAL TYPE I OVER BIKE LANE
	APPROX. LOCATION OF ROAD HUMPS OR LUMPS
	APPROX. LOCATION OF PAINTED ROAD HUMPS OR LUMPS
	CROSS GUTTER
COLD MILLING ASPHALT CONCRETE PAVEMENT: SDG-106	

PAVING SCHEDULE NOTES					
NO.	LOCATION	RESTORATION REQUIRED	LENGTH	WIDTH	APPROX. AREA
①	LOGAN AVE	SLURRY SEAL (II/III)	474	48	85,625
②	FLORENCE ST	SLURRY SEAL (II/III)	1,375	36	49,500
③	FLORENCE ST	SLURRY SEAL (II/III)	605	38	22,990
④	38TH AVE	SLURRY SEAL (II/III)	1,500	38	57,000
⑤	HEMLOCK ST	SLURRY SEAL (II/III)	615	36	22,140
⑥	TEAK ST	SLURRY SEAL (II/III)	1,360	38	51,680
⑦	TEAK ST	SLURRY SEAL (II/III)	615	36	22,140
⑧	OCEAN VIEW BLVD	SLURRY SEAL (I/II)	1,214	50	60,700
⑨	37TH ST	SLURRY SEAL (II/III)	1,475	35	51,625
⑩	JEWELL DR	SLURRY SEAL (II/III)	1,145	25	28,625
⑪	OLIVEWOOD TR	SLURRY SEAL (II/III)	1,805	28	50,540
⑫	T ST	SLURRY SEAL (II/III)	210	26	5,460
⑬	LOGAN AVE	2-IN AC OVERLAY	620	48	29,760
TOTAL AREA OF SLURRY SEAL TYPE II/III					478,620 SF
TOTAL AREA OF SLURRY SEAL TYPE I/II					60,700 SF
TOTAL AREA OF CROSS GUTTER					4,260 SF
TOTAL AREA OF 2-IN-AC OVERLAY					29,760 SF

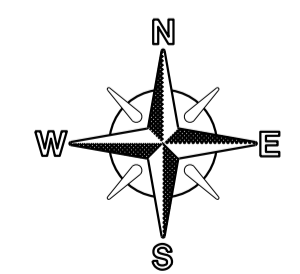


STREET RESURFACING

MAPS FOR THE CONSTRUCTION OF
AC WATER GROUP 1012
STREET RESURFACING
(1 OF 2)



NO SCALE

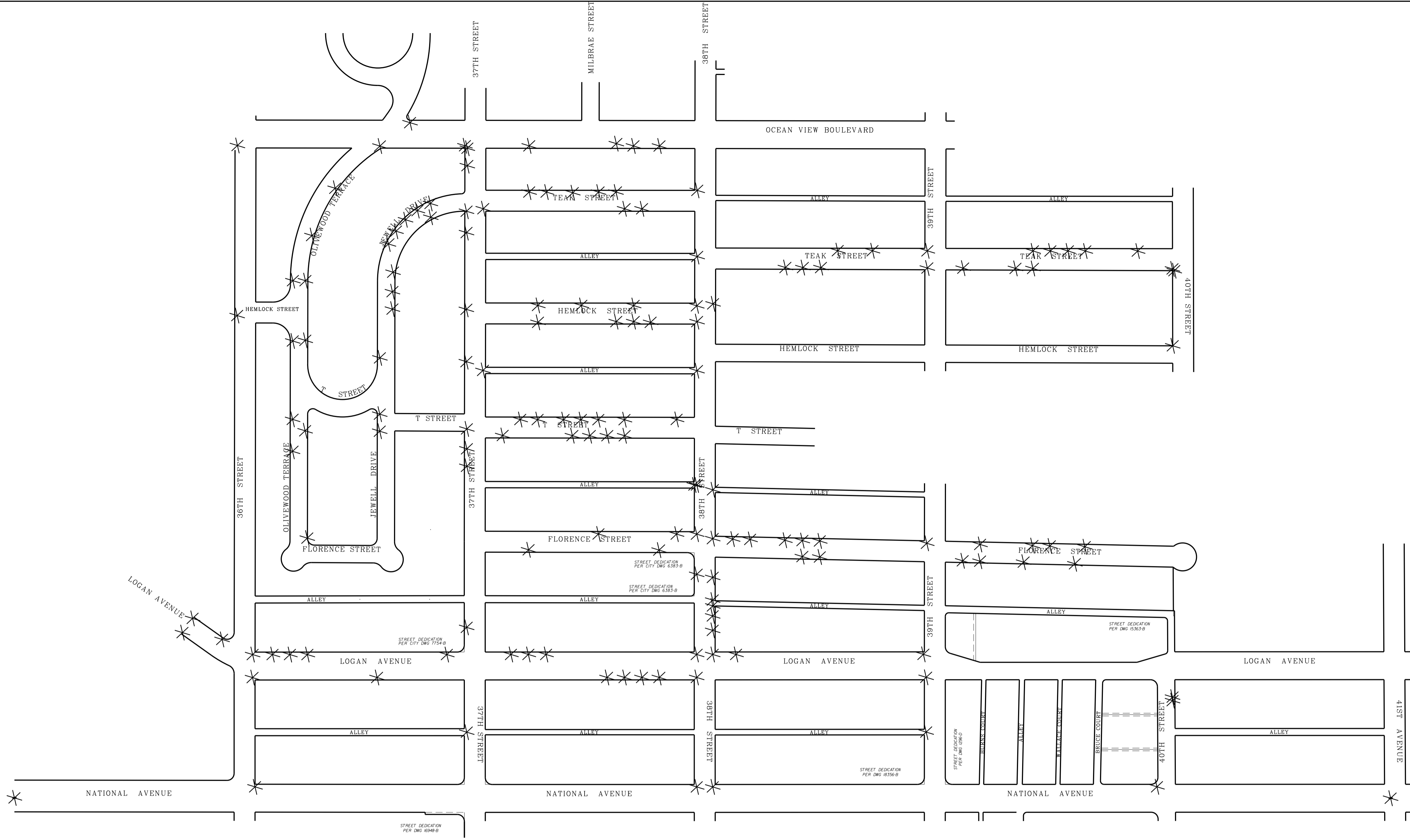


NOT TO SCALE

WBS #
B-16177

SEE MAP

SURVEY MONUMENTS



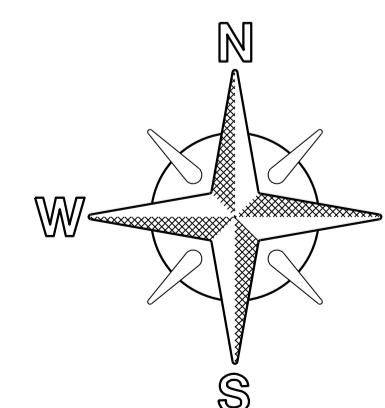
MONUMENTATION / SURVEY NOTES

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.

LEGEND	
*	LOCATION OF EXISTING SURVEY MONUMENT
○	MAP NUMBER

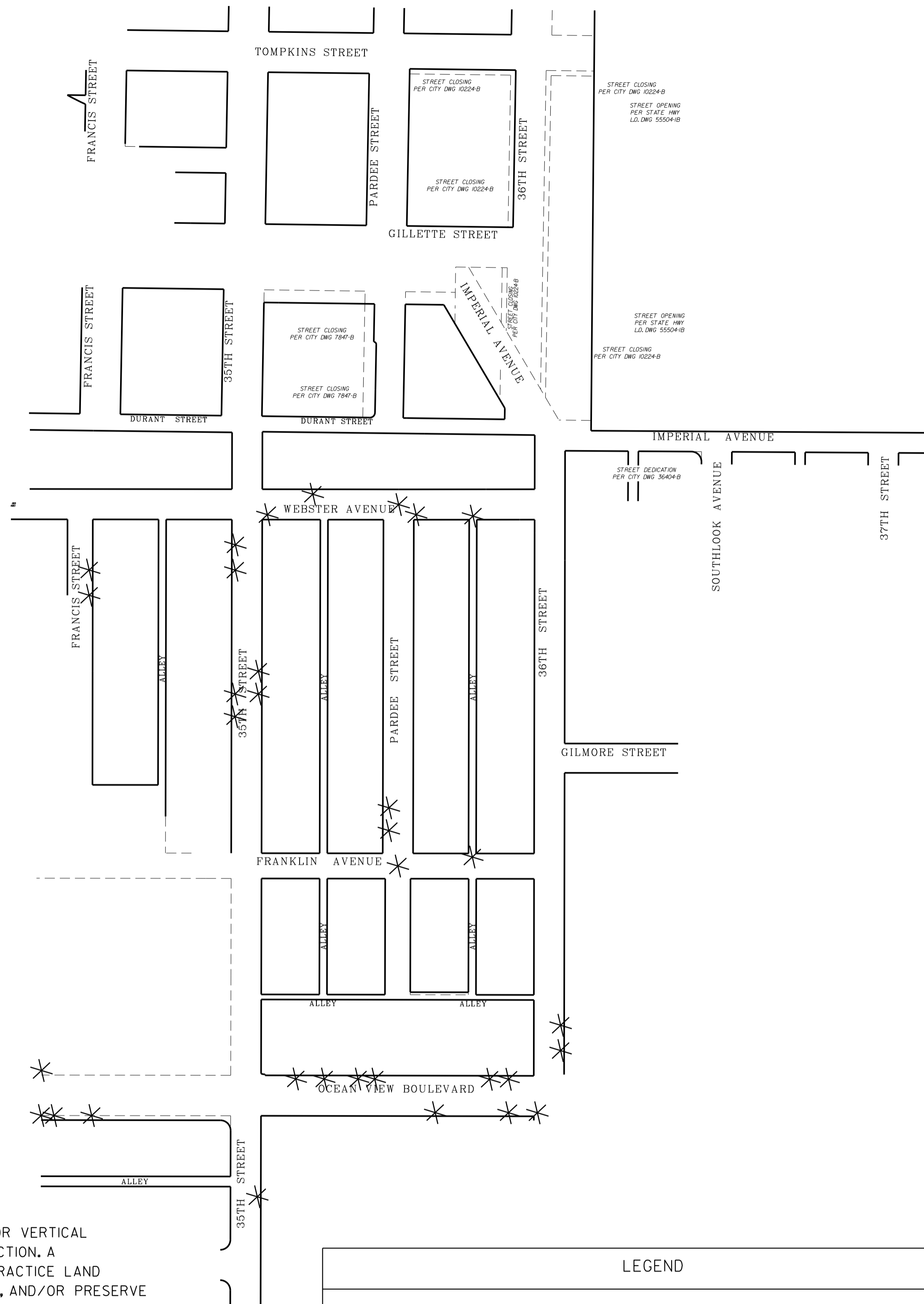
**MAPS FOR THE CONSTRUCTION OF
AC WATER GROUP 1012**

**MONUMENT PERPETUATION
(1 OF 2)**



WBS #
B-16177

SEE MAP

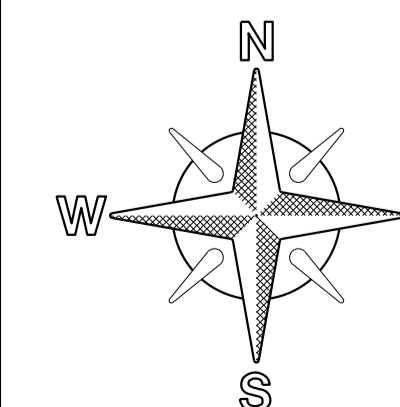


MONUMENTATION / SURVEY NOTES

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.

LEGEND	
*	LOCATION OF EXISTING SURVEY MONUMENT
○	MAP NUMBER

MAPS FOR THE CONSTRUCTION OF
AC WATER GROUP 1012
MONUMENT PERPETUATION
(2 OF 2)



WBS #
B-16177

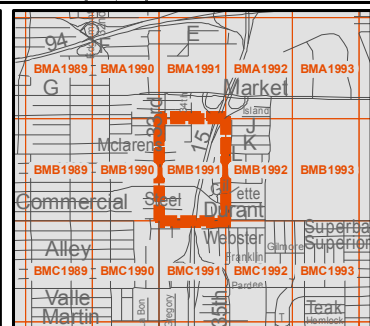
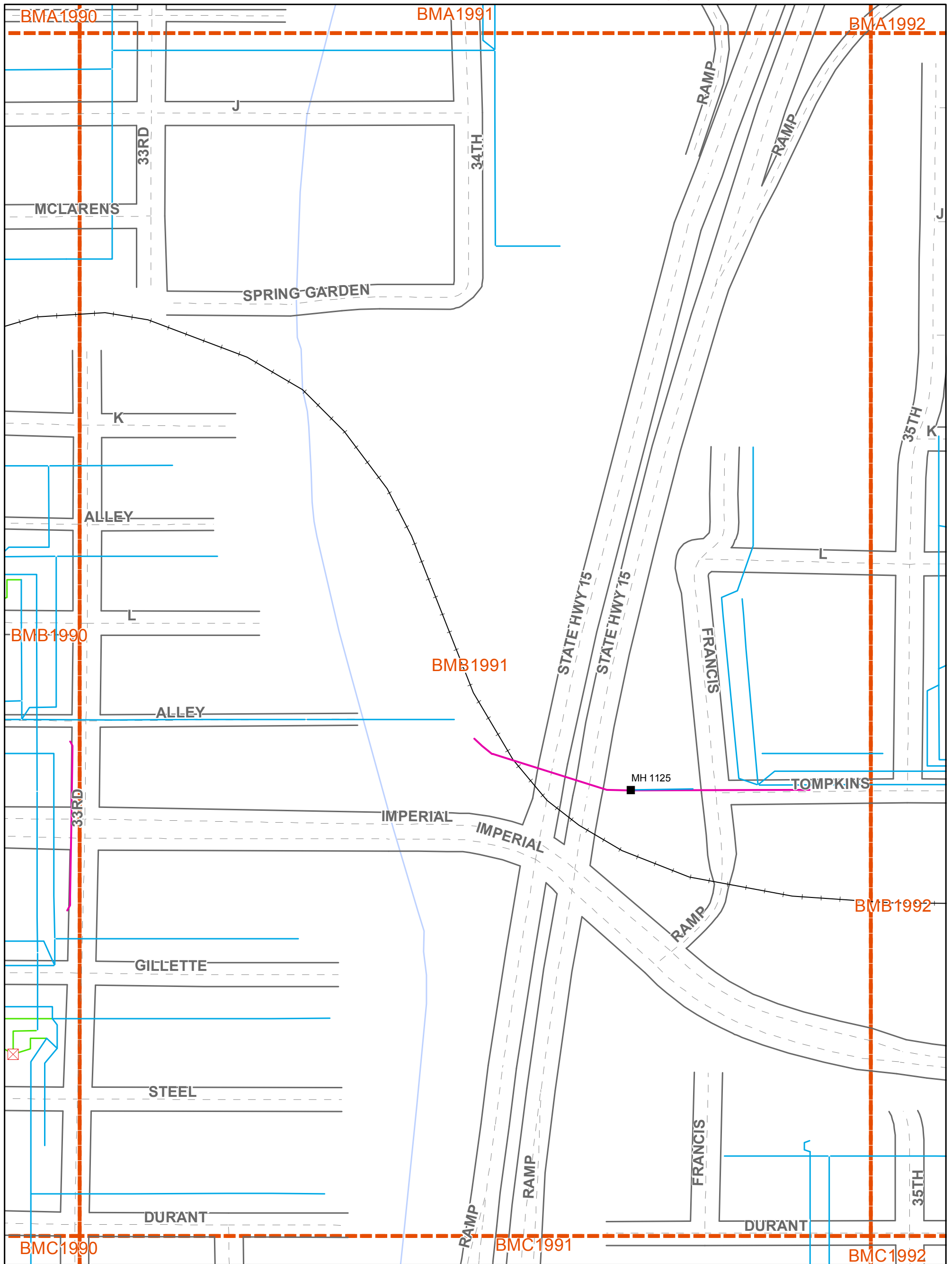
SEE MAP

REFERENCE AS-BUILTS

ATT REFERENCE DRAWINGS



6795 City Of Sdac Water Group 1012 Wbs B 16036 Project



1:1,820

N

- SAls
- Manholes
- Conduit
- Cables**
 - Aerial
 - Buried
- Street Centerlines
- Street Edges
- Mapping Index

Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind of nature sustained by, or any liability incurred by or imposed upon any other person or entity arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T propriety (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.

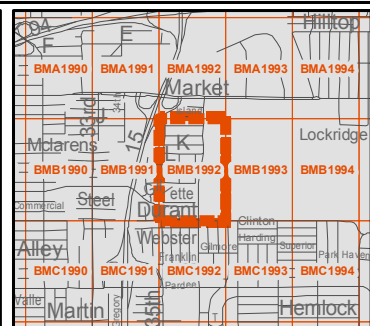
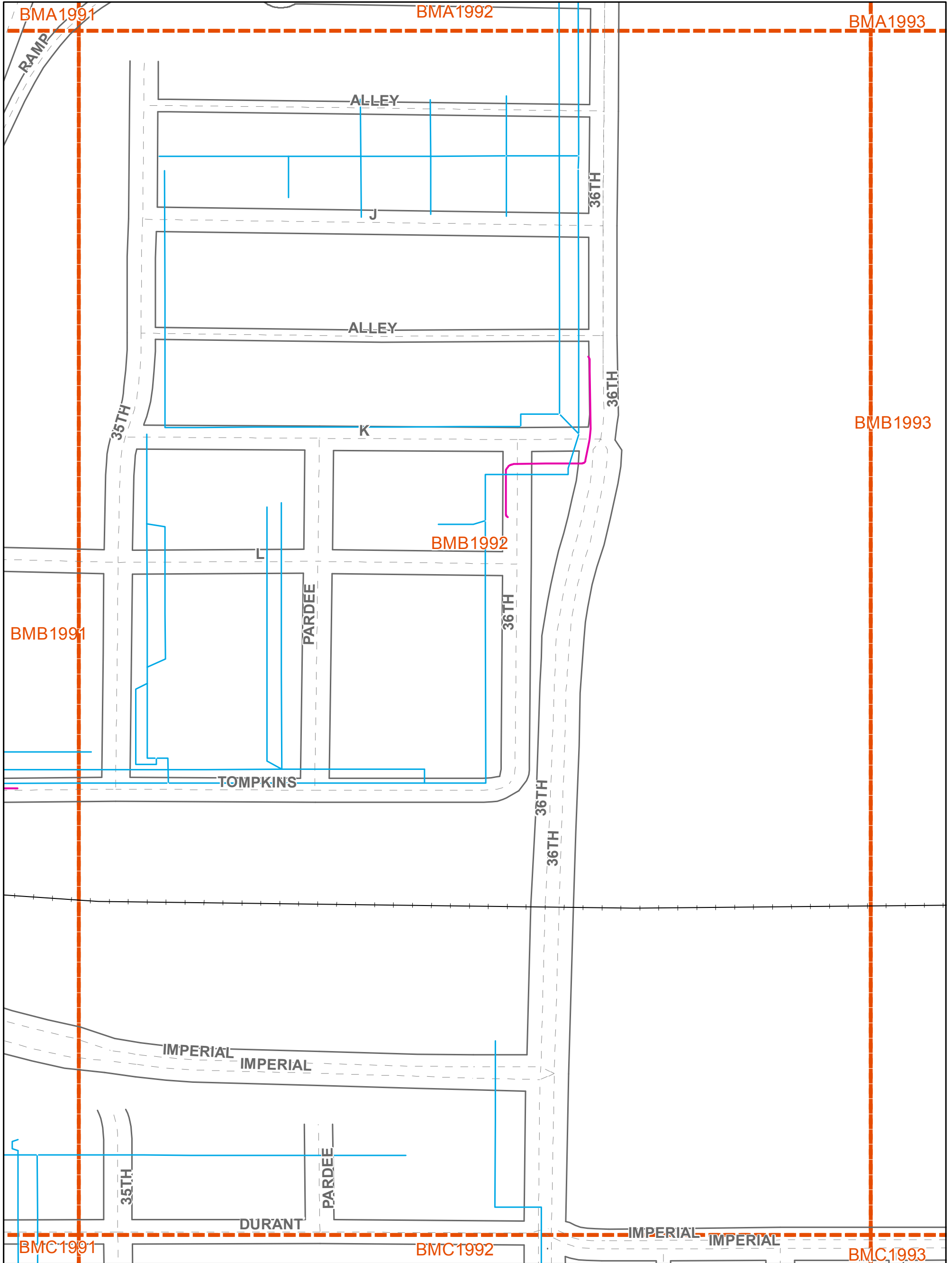


External Map Request for City Of San Diego

Date: 5/13/2016

Page Name: BMB1992

6795 City Of Sdac Water Group 1012 Wbs B 16036 Project



1:1,820



- Conduit
- Cables**
- Aerial
- Street Centerlines
- Street Edges
- Mapping Index

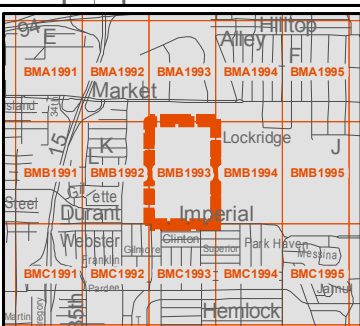
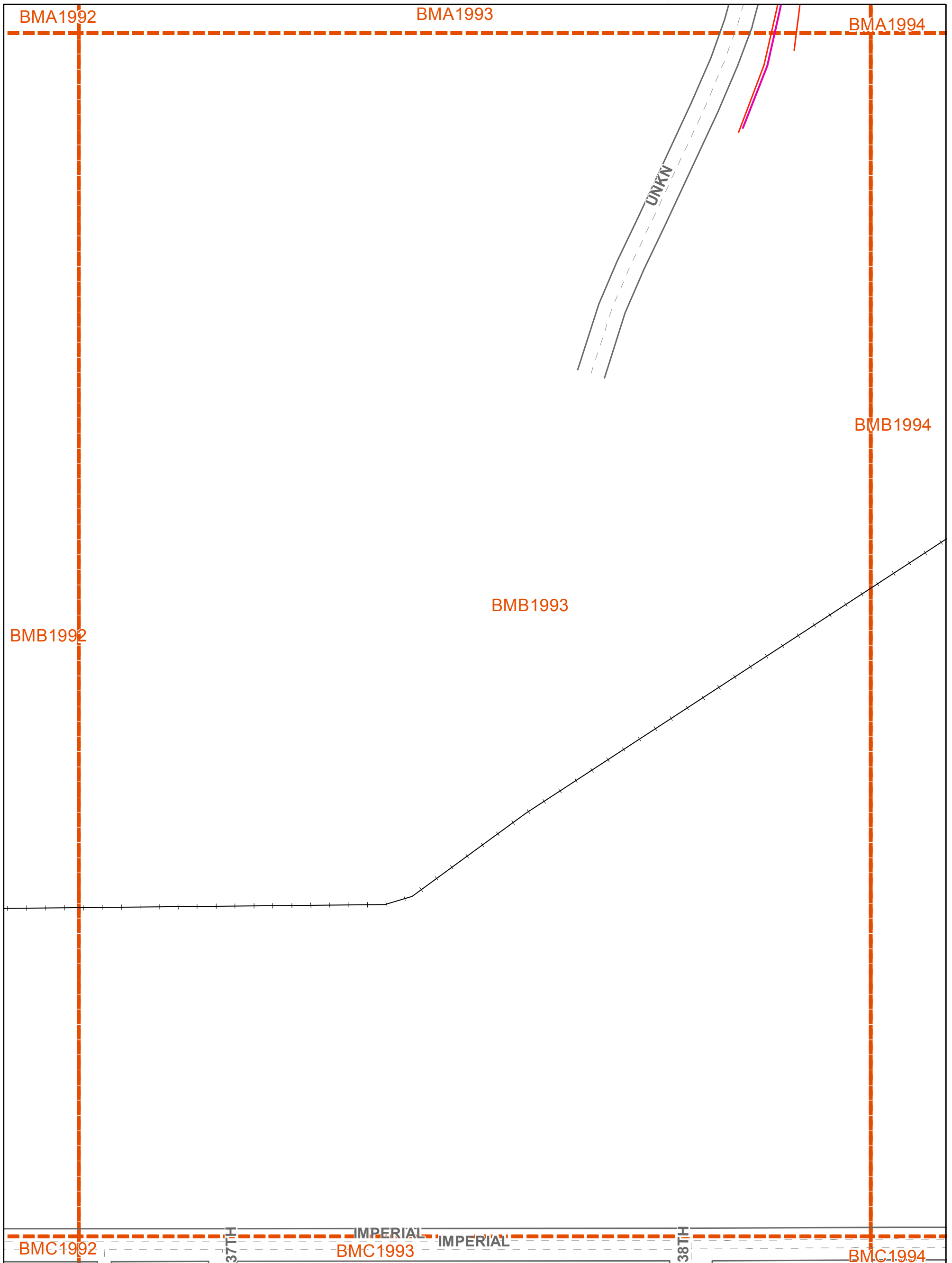
Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind of nature sustained by, or any liability incurred by or imposed upon any other person or entity arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T propriety (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.



6795 City Of Sdac Water Group 1012 Wbs B 16036 Project



1:1,820

Conduit
 Conduit

Cables
 Underground

Street Centerlines

Street Edges

Mapping Index

N

Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind of nature sustained by, or any liability incurred by or imposed upon any other person or entity arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T propriety (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.

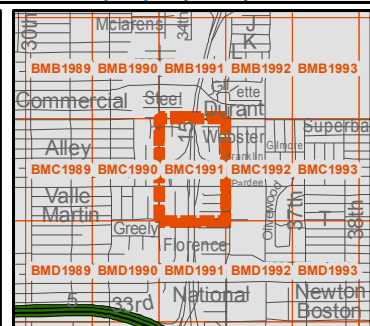
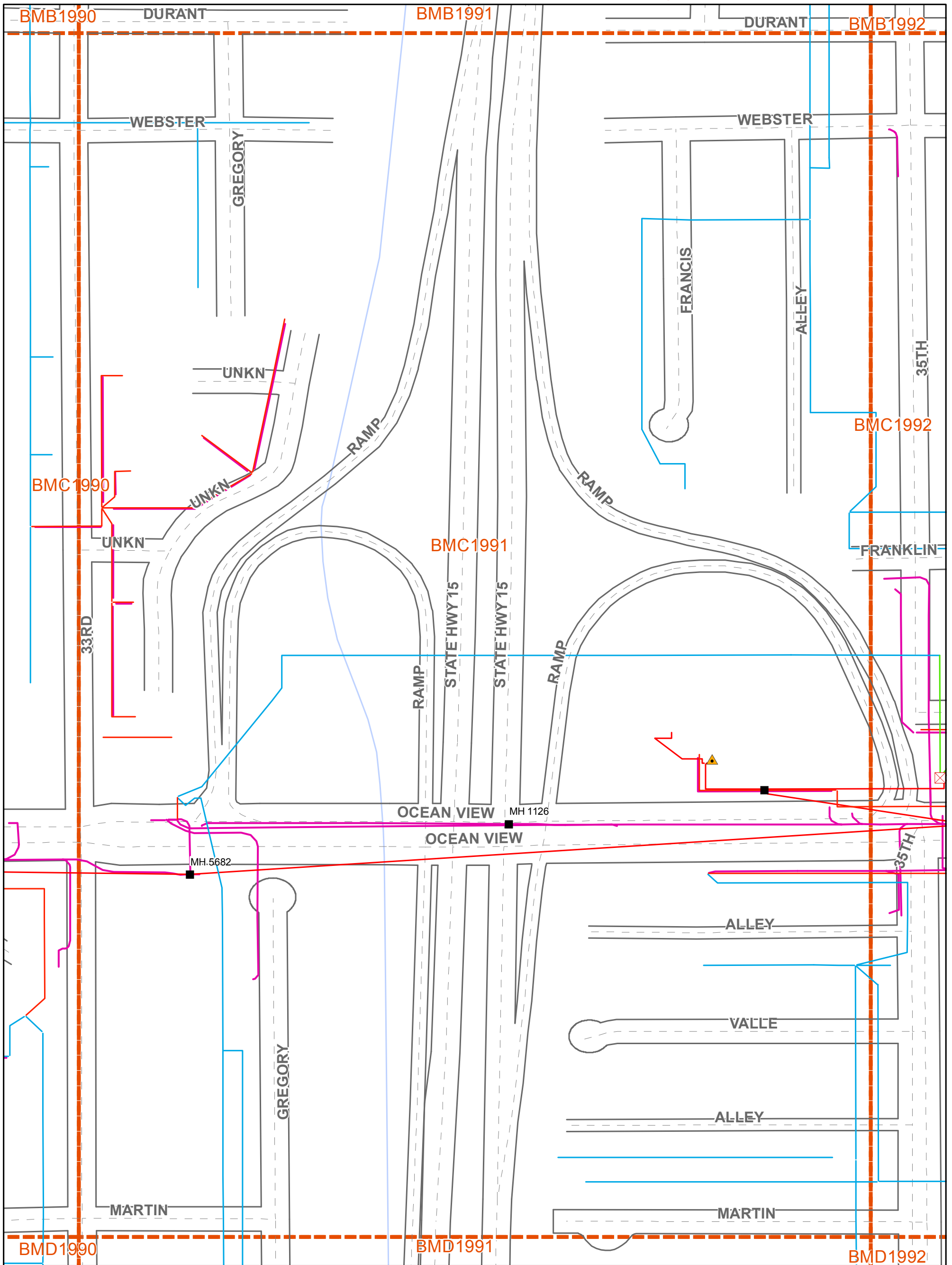


External Map Request for City Of San Diego

Date: 5/13/2016

Page Name: BMC1991

6795 City Of Sdac Water Group 1012 Wbs B 16036 Project



1:1,820



- SAls
- Manholes
- Remote Terminals
- Conduit
- Cables**
- Aerial
- Buried
- Underground
- Street Centerlines
- Street Edges
- Mapping Index

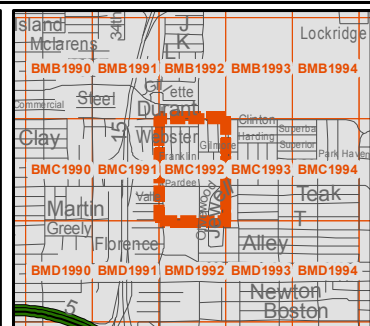
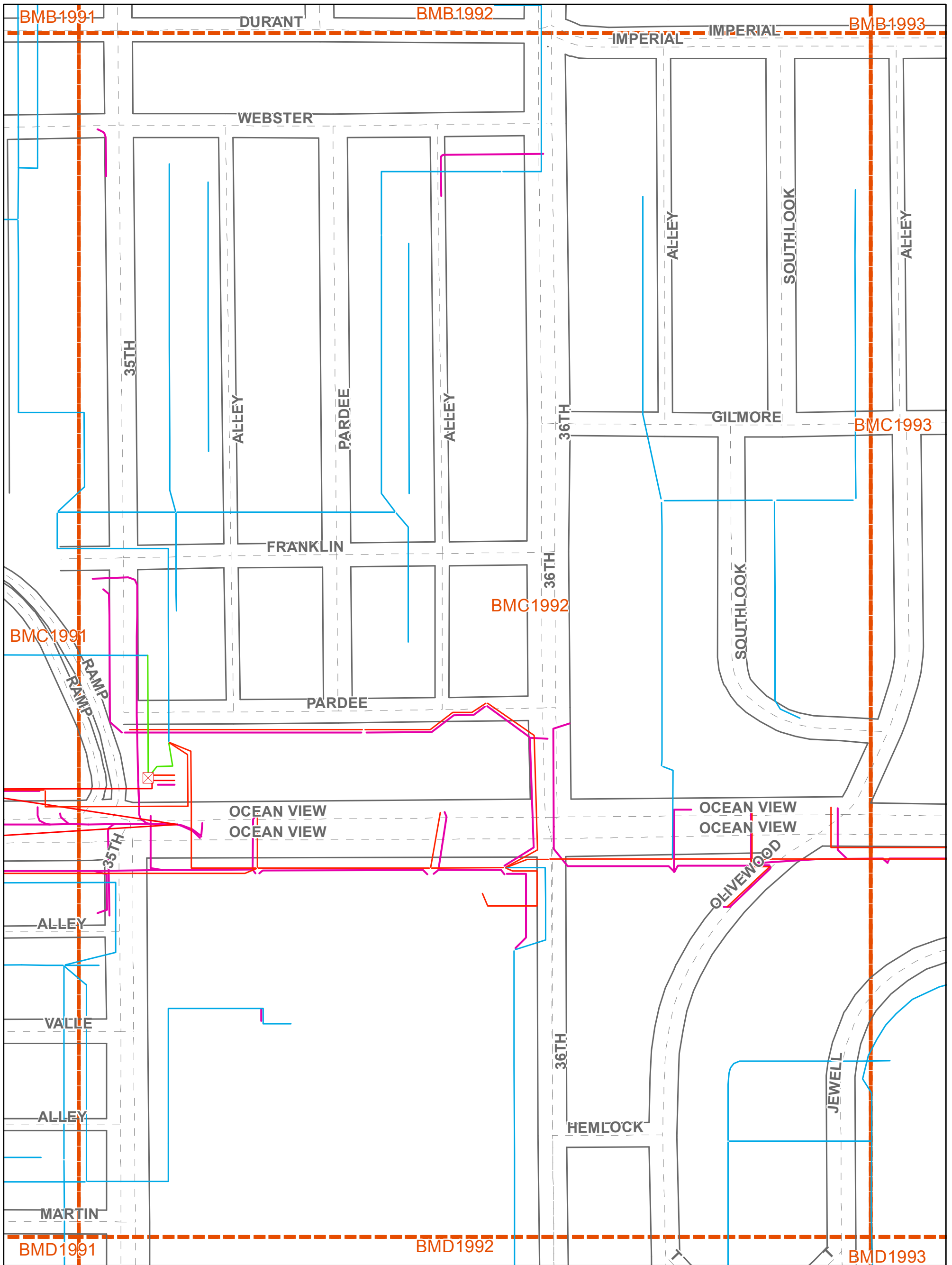
Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind of nature sustained by, or any liability incurred by or imposed upon any other person or entity arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T proprietary (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3) & (4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.



6795 City Of Sdac Water Group 1012 Wbs B 16036 Project



1:1,820

N

- SAls
- Conduit
- Cables**
- Aerial
- Buried
- Underground
- Street Centerlines
- Street Edges

Mapping Index

Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind of nature sustained by, or any liability incurred by or imposed upon any other person or entity arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T propriety (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.

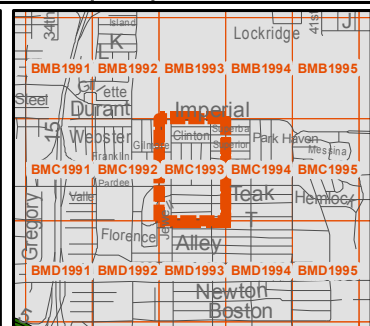
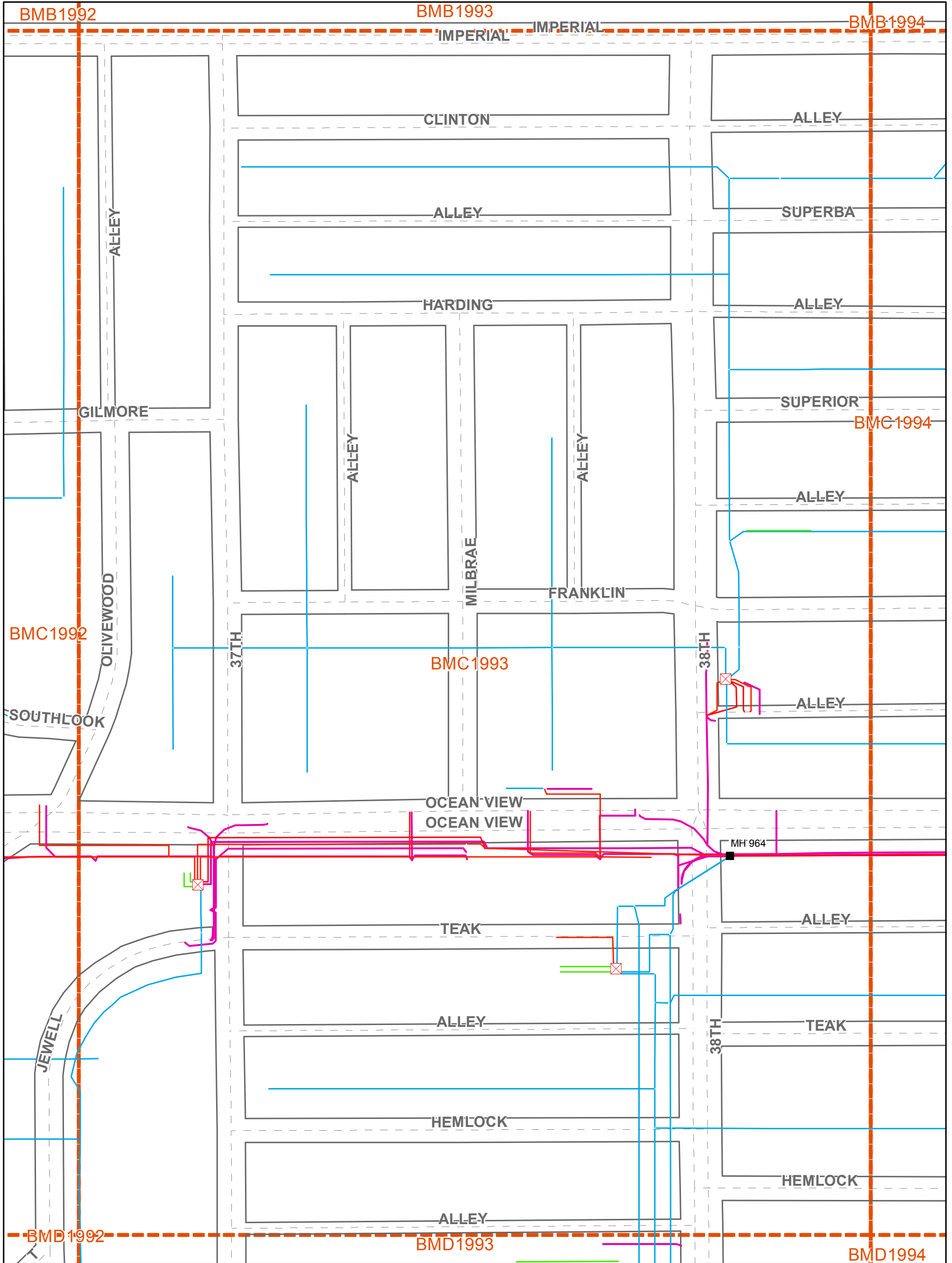


External Map Request for City Of San Diego

Date: 5/13/2016

Page Name: BMC1993

6795 City Of Sdac Water Group 1012 Wbs B 16036 Project



1:1,820



- SAs
- Manholes
- Conduit
- Cables**
- Aerial
- Buried
- Underground
- Street Centerlines
- Street Edges
- Mapping Index

Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind of nature sustained by, or any liability incurred by or imposed upon any other person or entity arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T propriety (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.

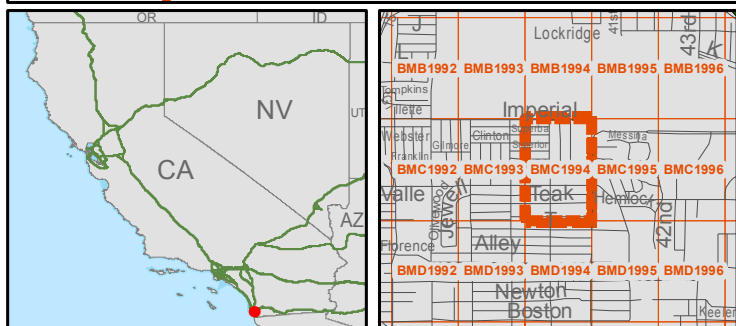
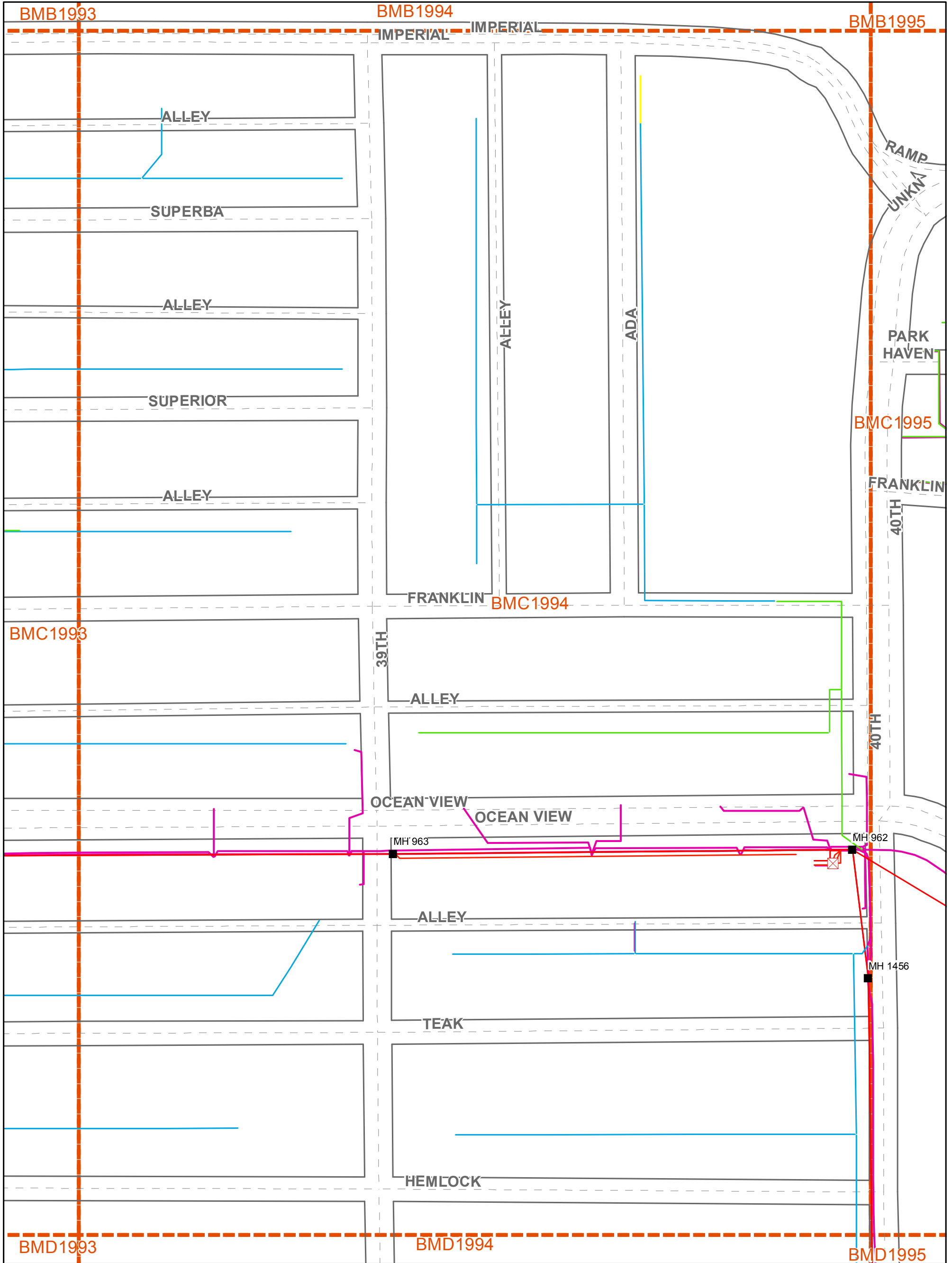


External Map Request for City Of San Diego

Date: 5/13/2016

Page Name: BMC1994

6795 City Of Sdac Water Group 1012 Wbs B 16036 Project



1:1,820

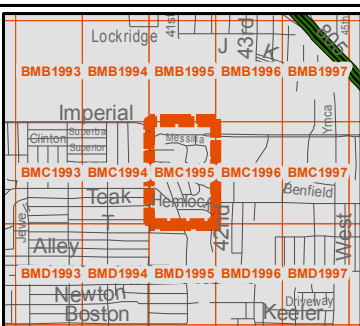
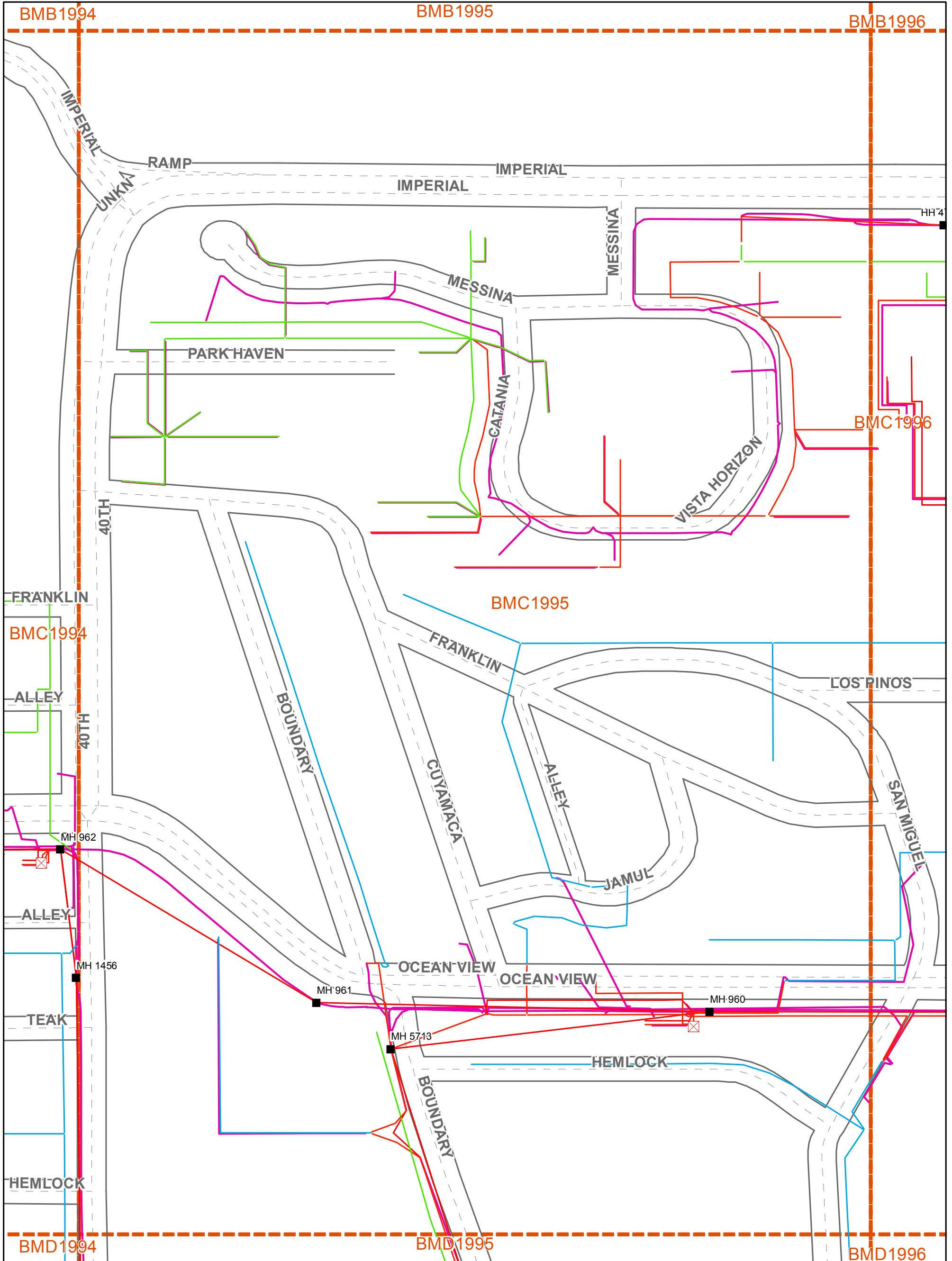


- SAls
- Manholes
- Conduit
- Aerial
- Building
- Buried
- Underground
- Street Centerlines
- Street Edges
- Mapping Index

Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind of nature sustained by, or any liability incurred by or imposed upon any other person or entity arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T propriety (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.



1:1,820

N

- SAls
- Manholes
- Conduit
- Cables**
- Aerial
- Buried
- Underground
- Street Centerlines
- Street Edges
- Mapping Index

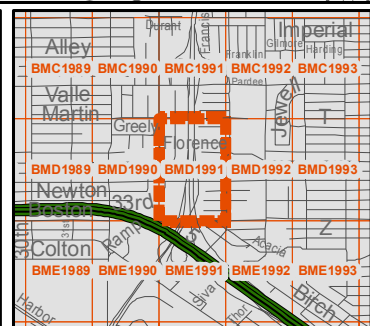
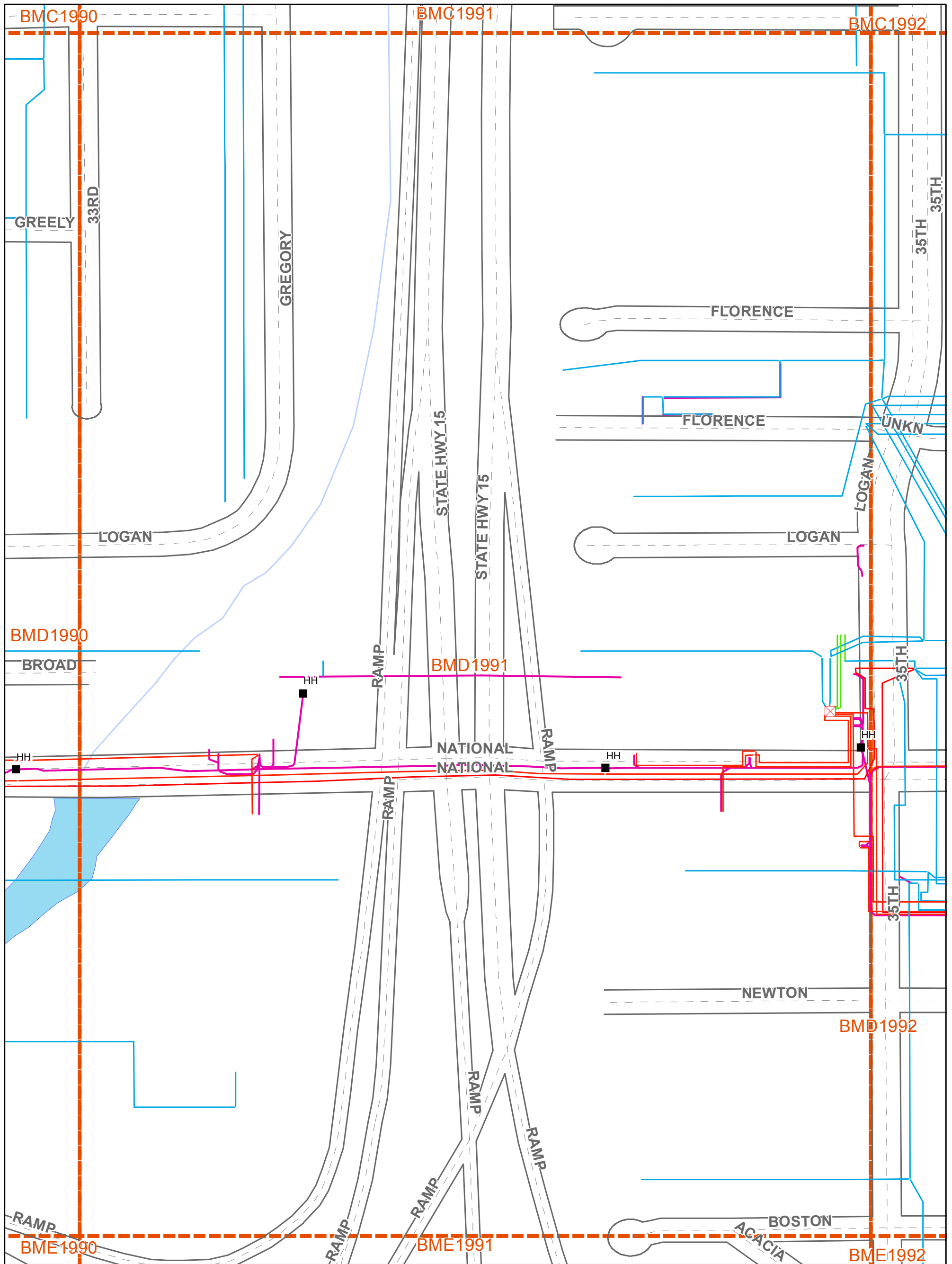
Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind of nature sustained by, or any liability incurred by or imposed upon any other person or entity arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T propriety (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12860.



6795 City Of Sdac Water Group 1012 Wbs B 16036 Project



1:1,820

N

- SAls
- Manholes
- Conduit
- Cables**
- Aerial
- Buried
- Underground
- Street Centerlines
- Street Edges
- Mapping Index

Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind of nature sustained by, or any liability incurred by or imposed upon any other person or entity arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T proprietary (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.

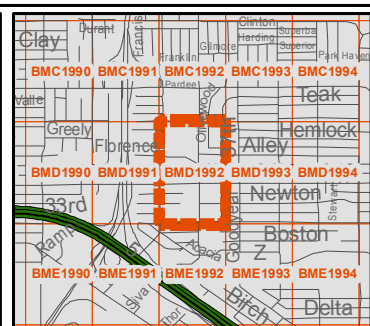
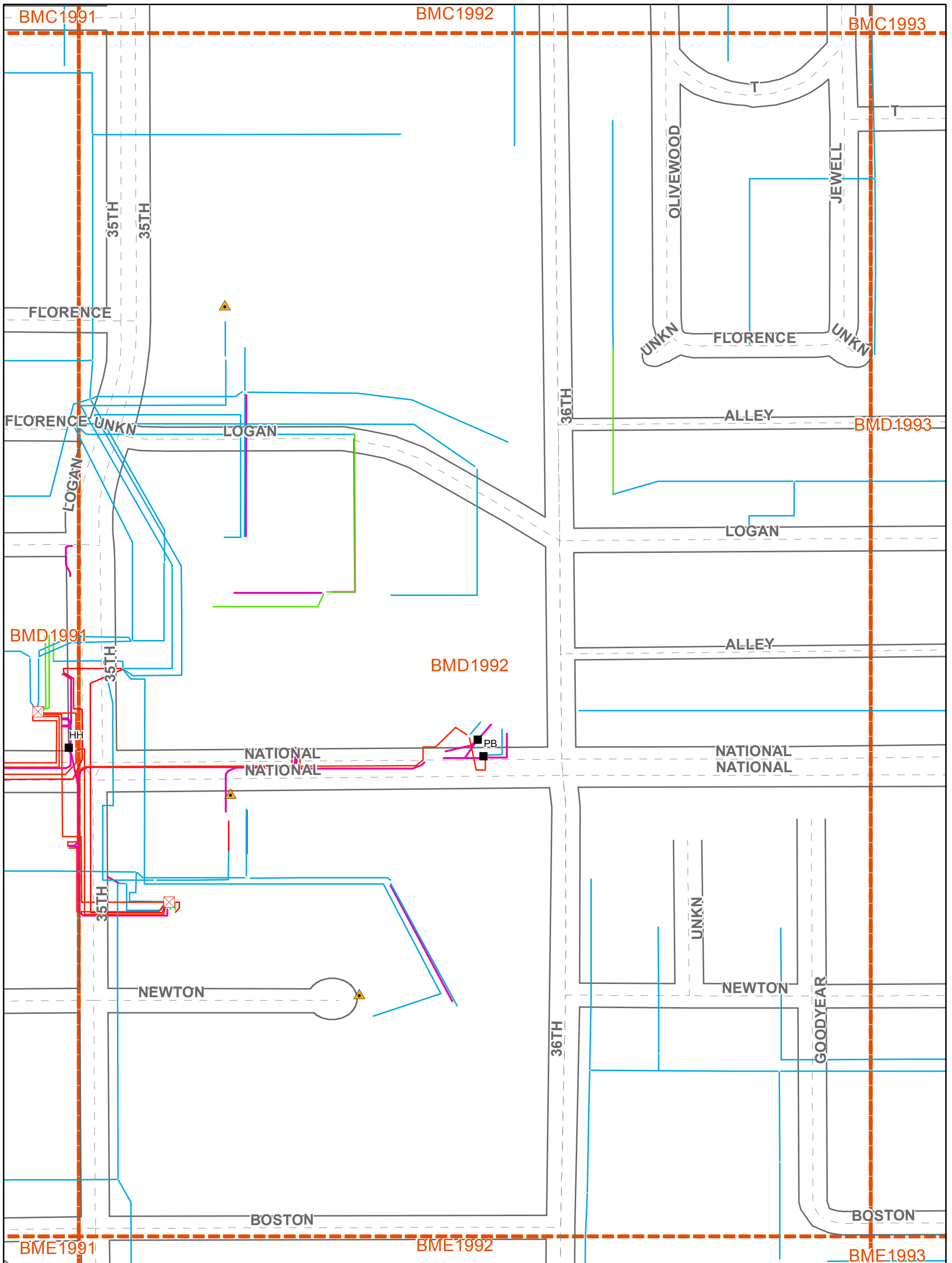


External Map Request for City Of San Diego

Date: 5/13/2016

Page Name: BMD1992

6795 City Of Sdac Water Group 1012 Wbs B 16036 Project



1:1,820

N

- SAls
- Manholes
- Remote Terminals
- Conduit
- Cables**
 - Aerial
 - Buried
 - Underground
- Street Centerlines
- Street Edges
- Mapping Index

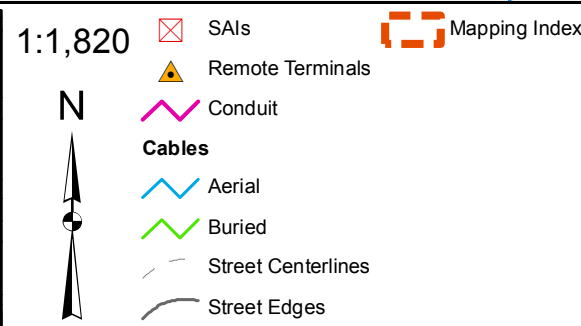
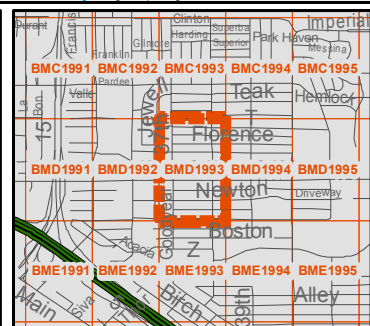
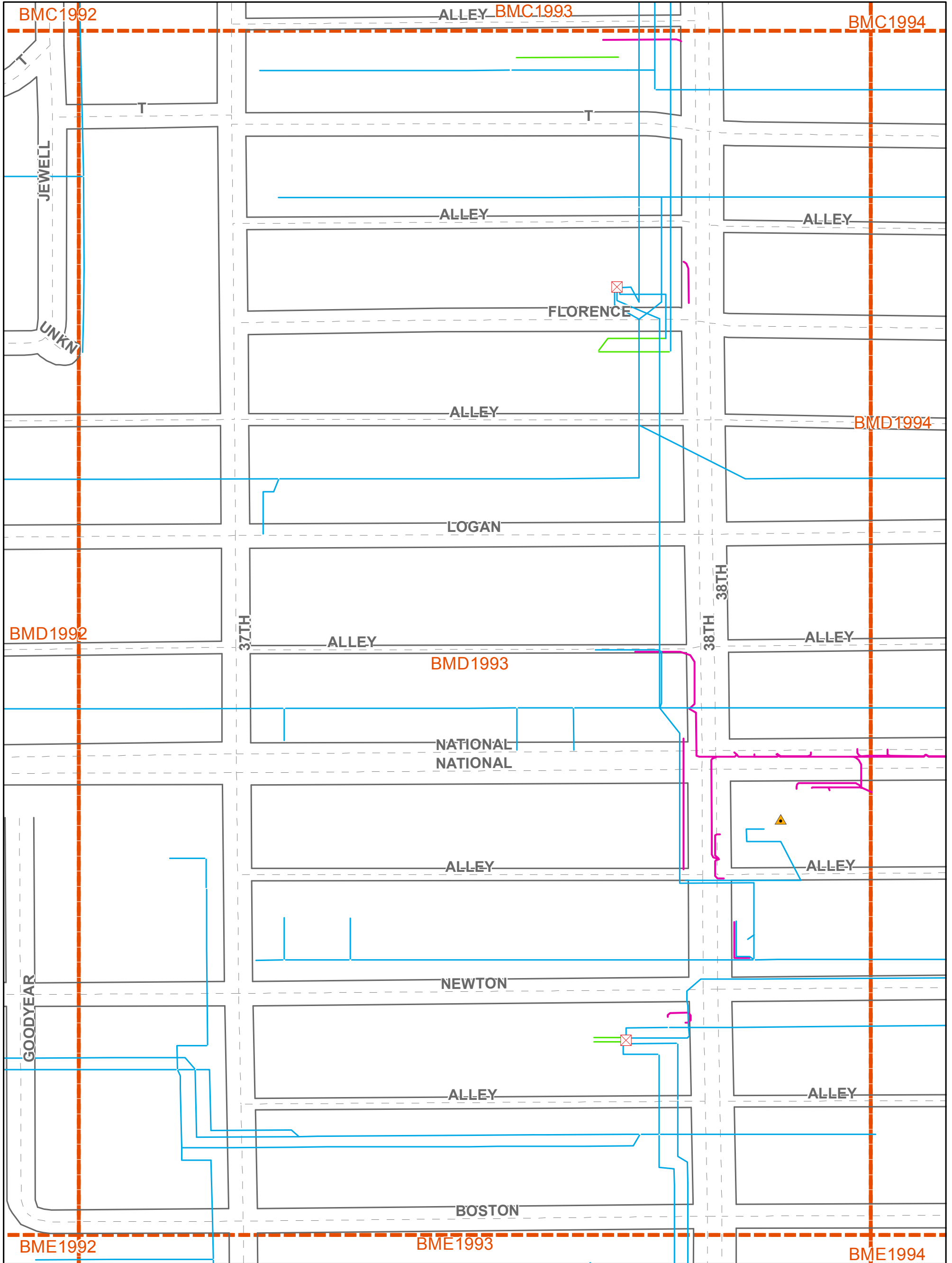
Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind of nature sustained by, or any liability incurred by or imposed upon any other person or entity arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T propriety (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.



6795 City Of Sdac Water Group 1012 Wbs B 16036 Project



Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T propriety (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.

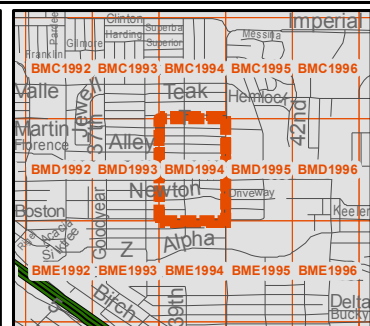
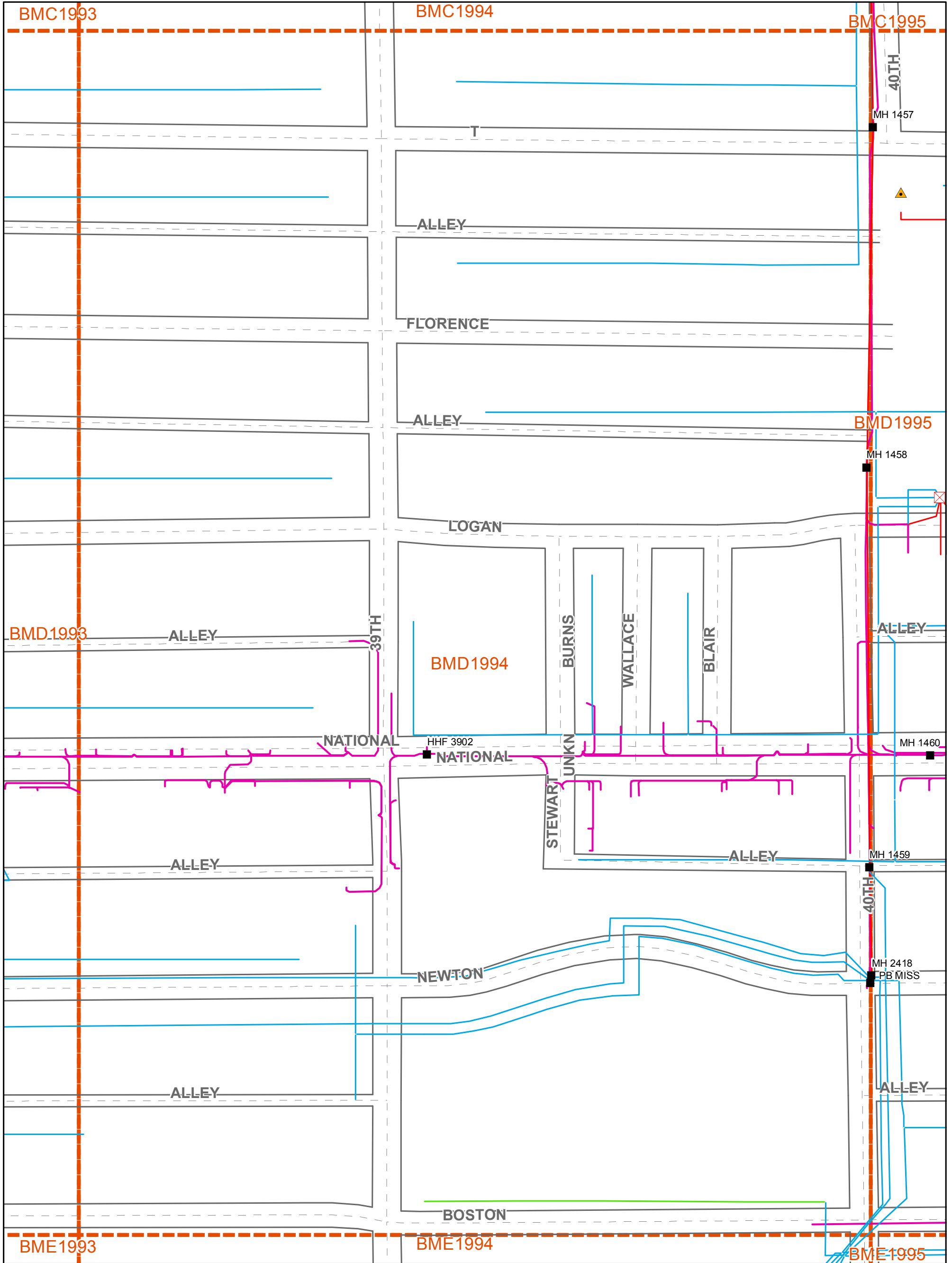


External Map Request for City Of San Diego

Date: 5/13/2016

Page Name: BMD1994

6795 City Of Sdac Water Group 1012 Wbs B 16036 Project



1:1,820



- SAls
- Manholes
- Remote Terminals
- Conduit
- Cables**
- Aerial
- Buried
- Underground
- Street Centerlines
- Street Edges
- Mapping Index

Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind of nature sustained by, or any liability incurred by or imposed upon any other person or entity arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T propriety (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.

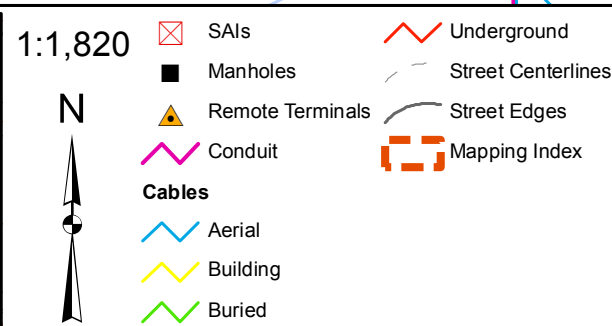
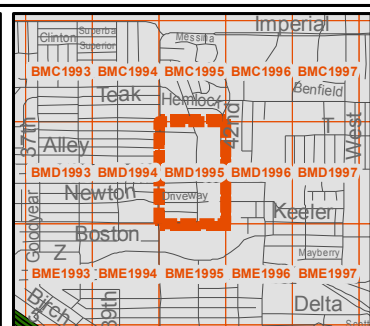
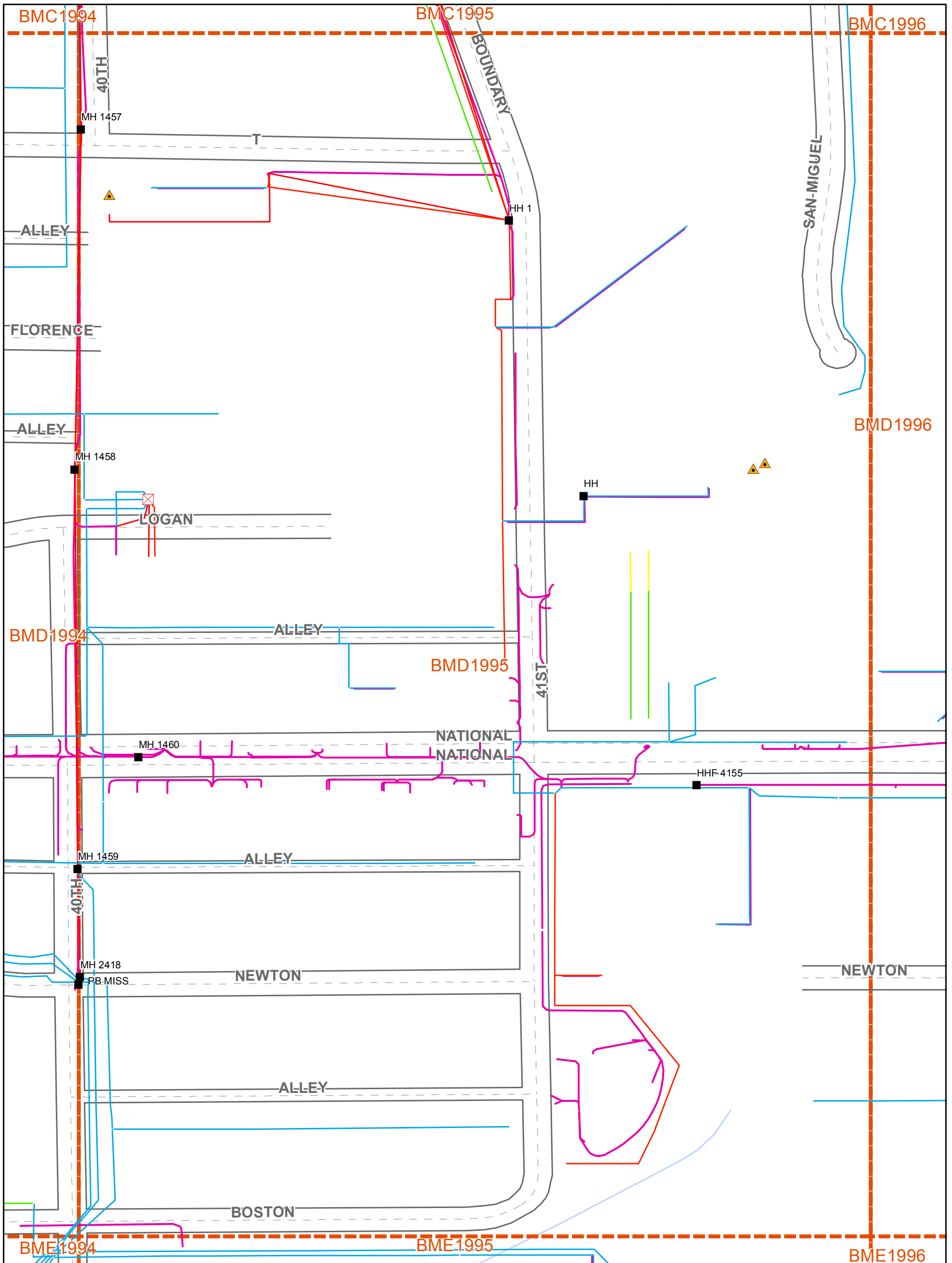


External Map Request for City Of San Diego

Date: 5/13/2016

Page Name: BMD1995

6795 City Of Sdac Water Group 1012 Wbs B 16036 Project



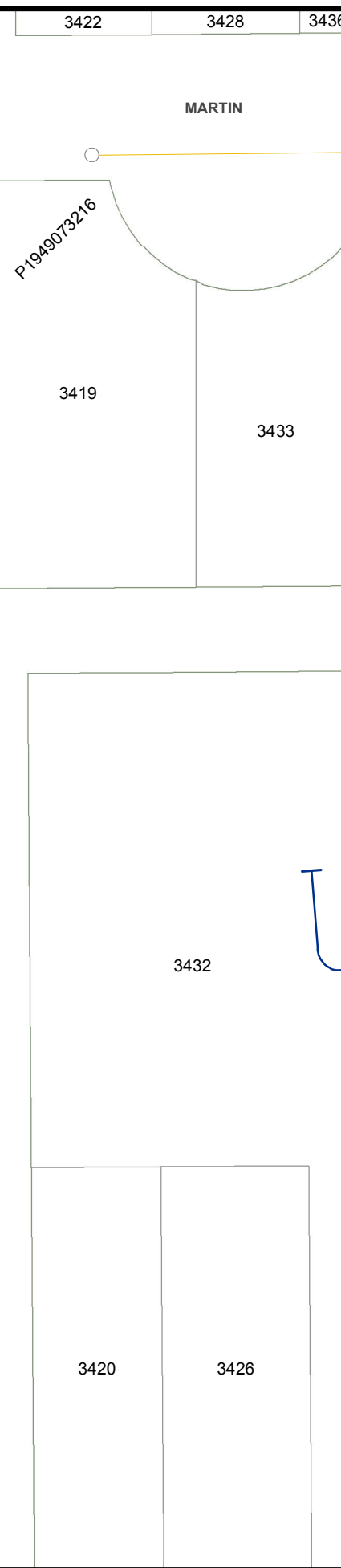
Copyright 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property. The copying, scanning or other reproduction of this map without prior written permission of AT&T Intellectual Property is strictly prohibited. This map is provided 'as is'. Neither AT&T Intellectual Property nor any of its affiliates shall have any liability whatsoever to any person or entity for or on account of any injury, loss, or damage of any kind of nature sustained by, or any liability incurred by or imposed upon any other person or entity arising out of or in connection with or resulting from the use of this map.

Location of facilities shown herein are subject to field verification. No liability is assumed by AT&T as to the accuracy of location facilities. Please call USA at 811 two working days in advance of any grading or excavation in vicinity of our underground facilities. AT&T propriety (internal use only). Not for use or disclosure outside the AT&T companies except under written agreement. Telco proprietary data is not to be disclosed to siloed employees.

AT&T PROPRIETARY: This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 USC 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 USC 1905), the Critical Infrastructure Information Act of 2002, 6 USC 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600.

SDGE CONDUCTOR PATH REFERENCE DRAWINGS

16020-118695



Map Number: 16027-118695

Map Type: **Conductor Path Map**

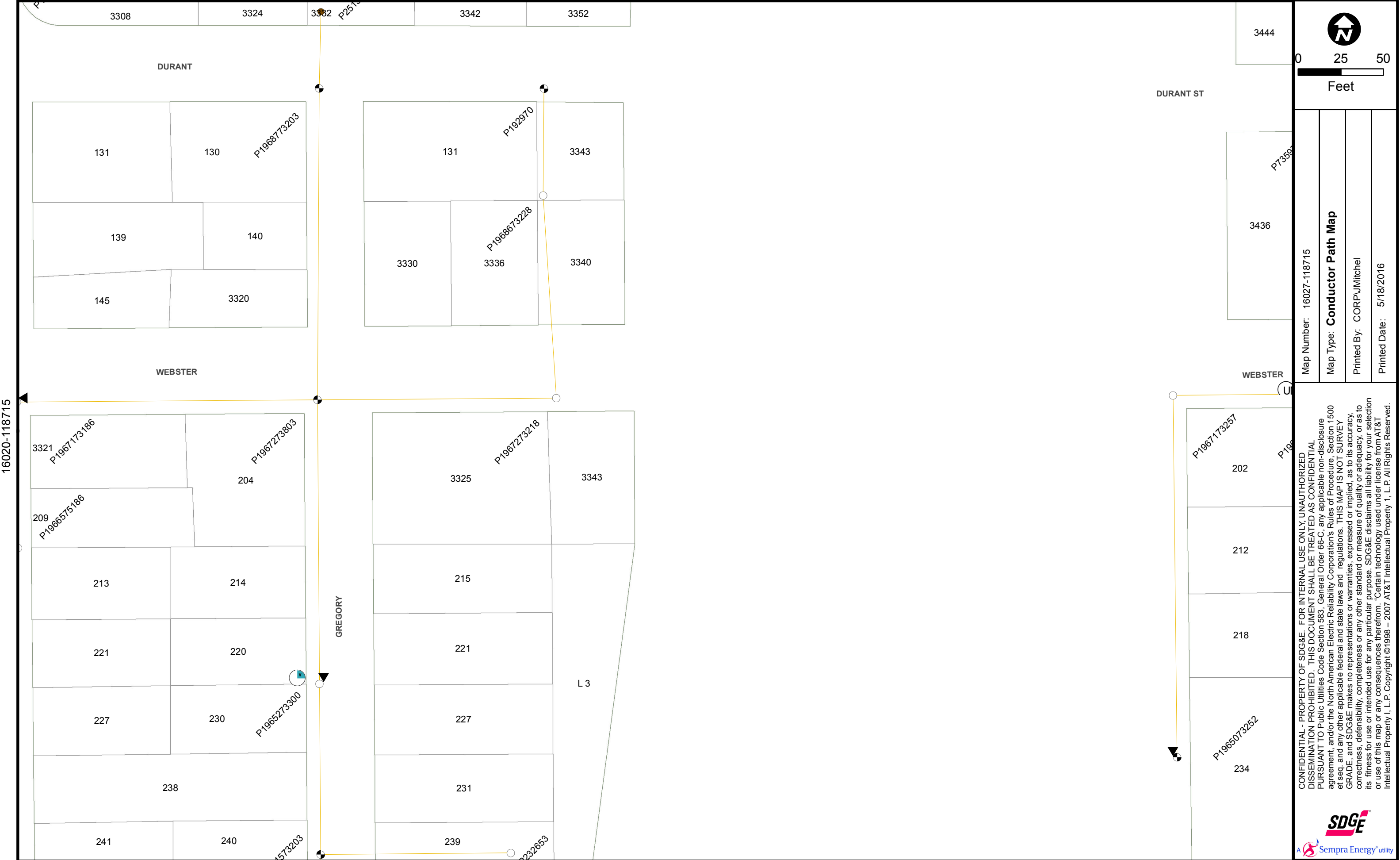
Printed By: CORPUMitchel

Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDGE
A Sempra Energy utility

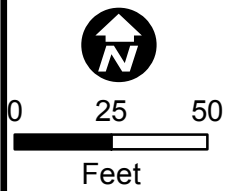
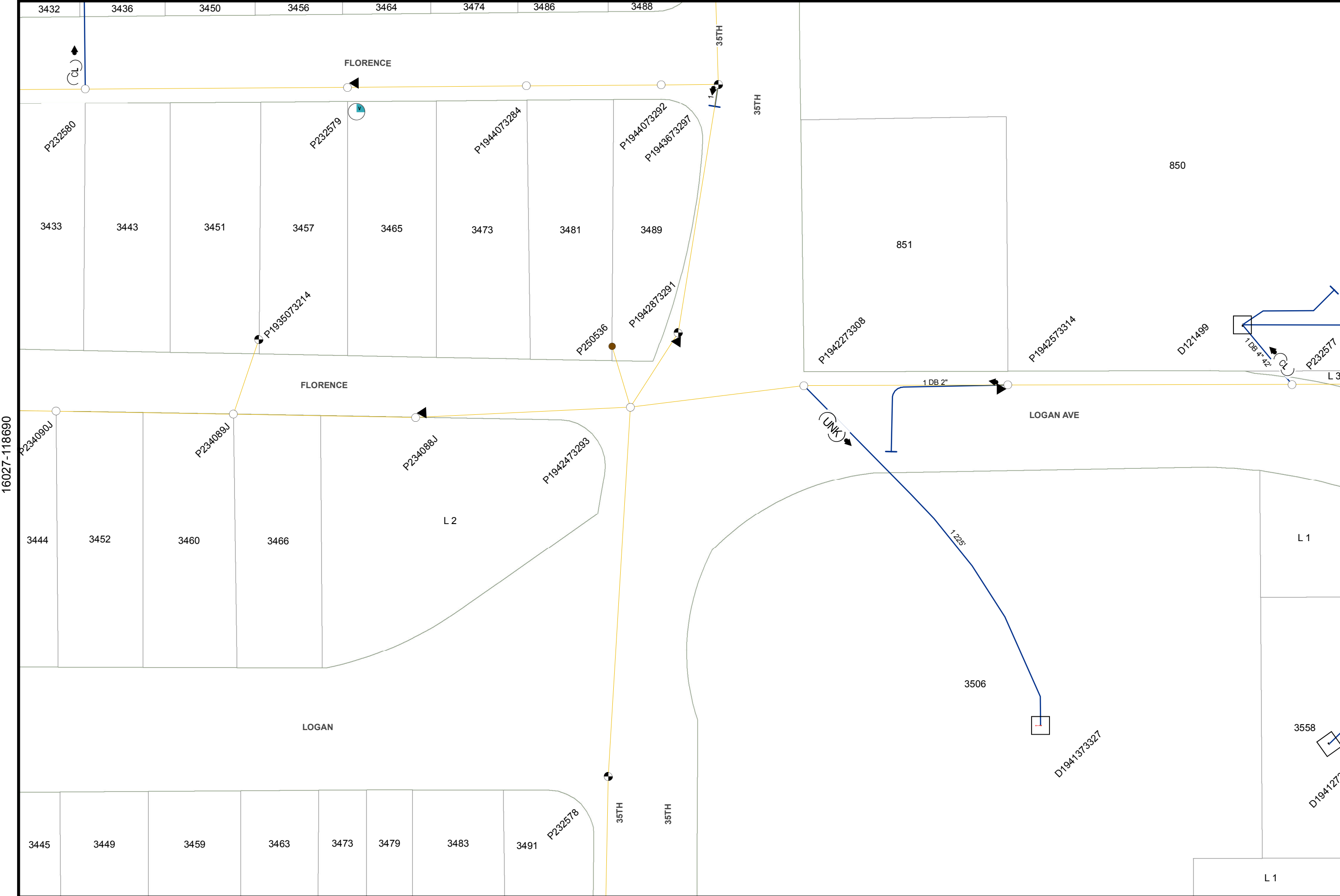
16035-118695



Map Number: 16027-118715
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.





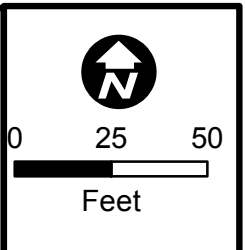
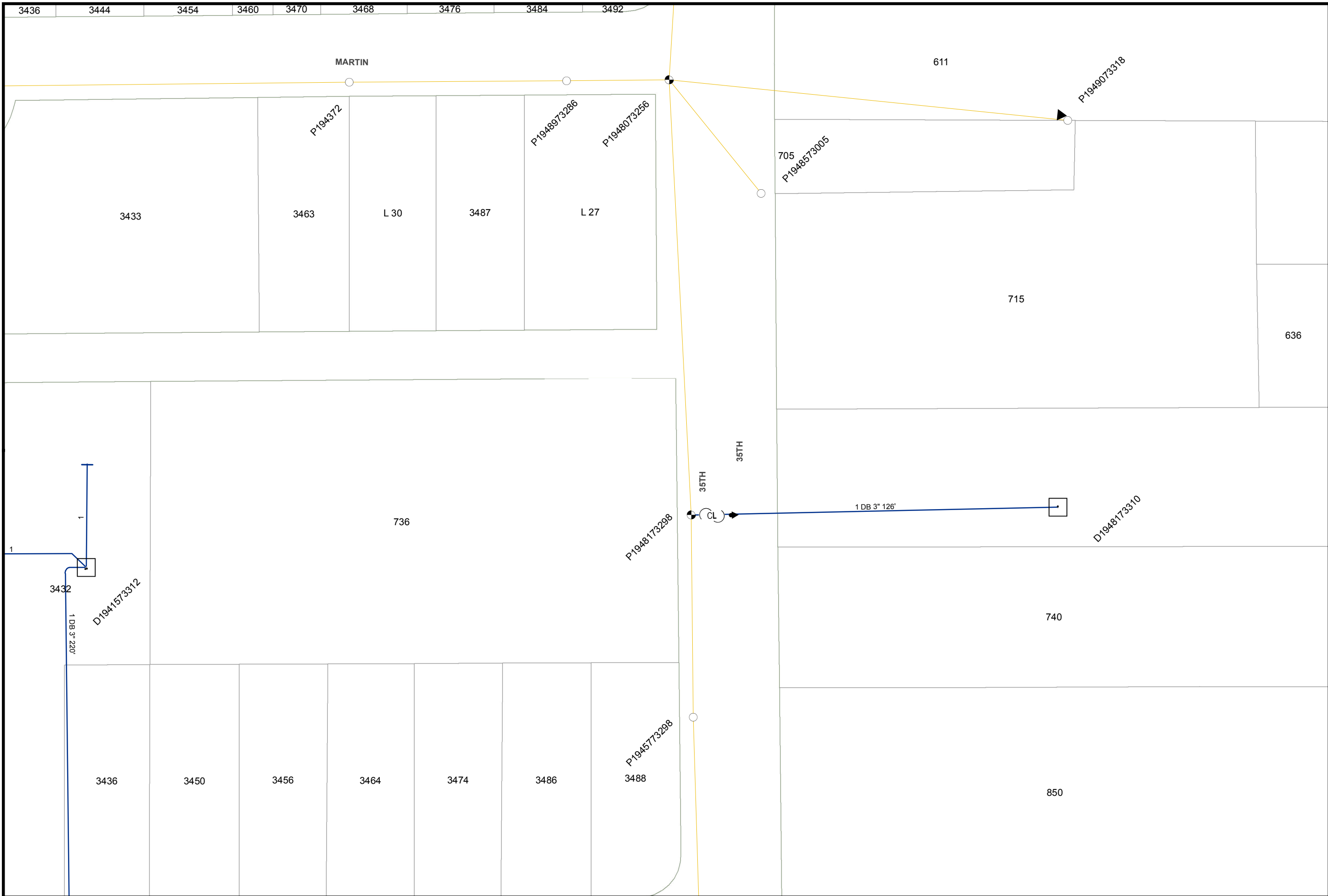
Map Number: 16035-118690
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16027-118690

16042-118690



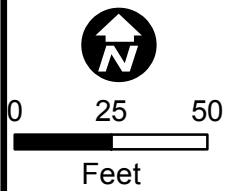
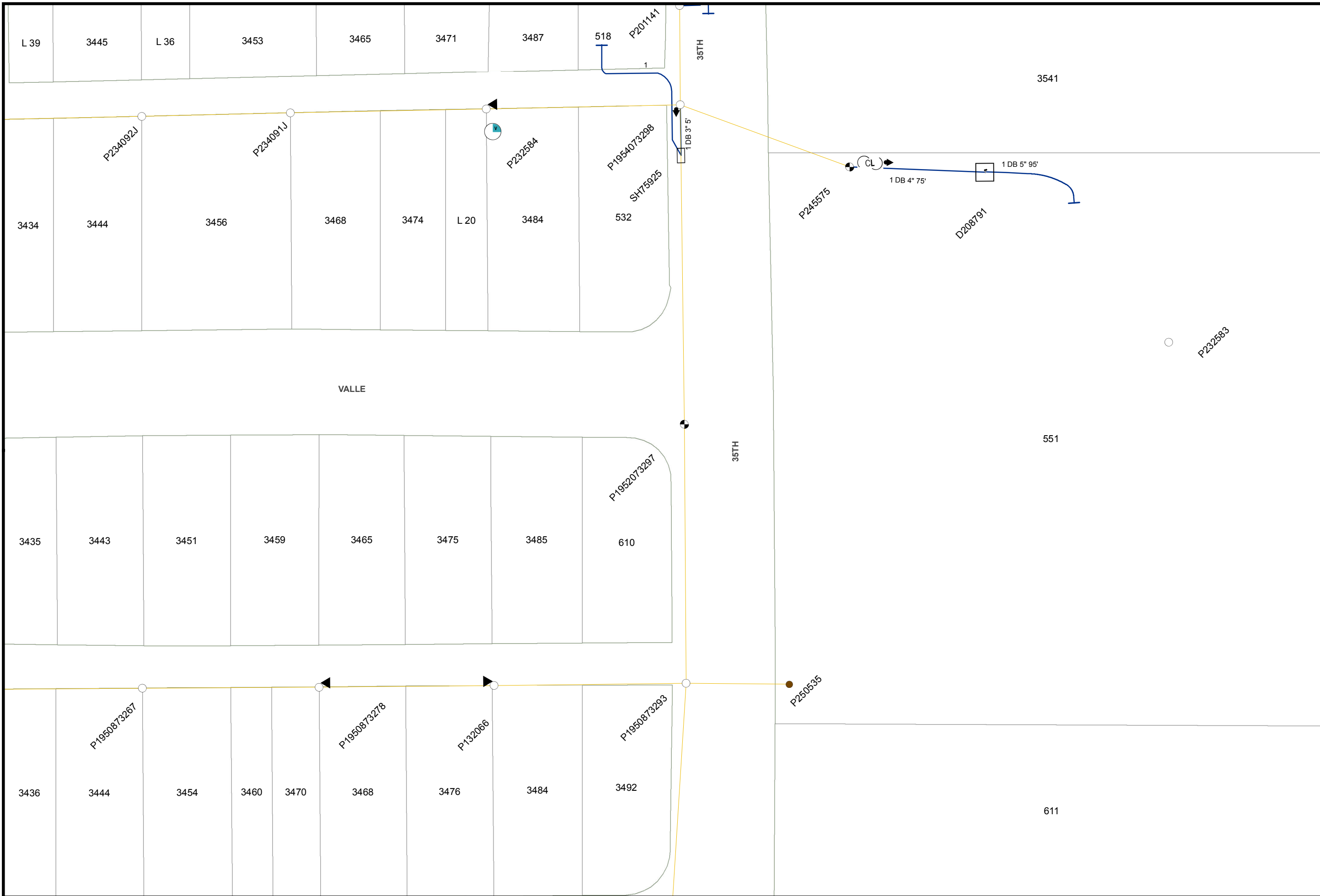
Map Number: 16035-118695
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDGE
 A Sempra Energy utility

16027-118695

16042-118695



Map Number: 16035-118700
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

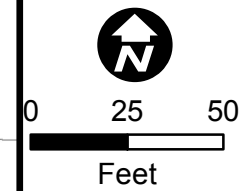
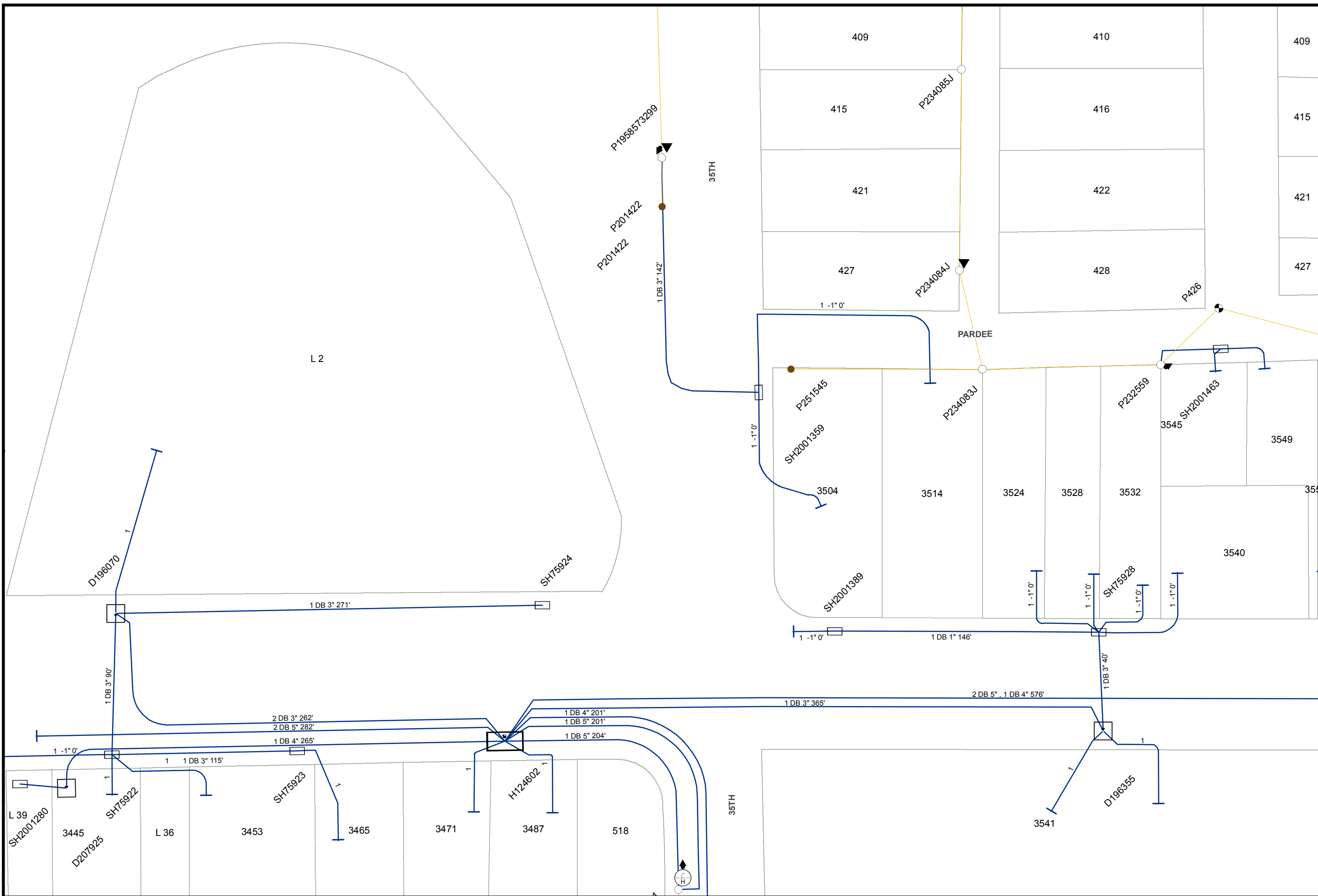
CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16027-118700

16042-118700

16027-118705



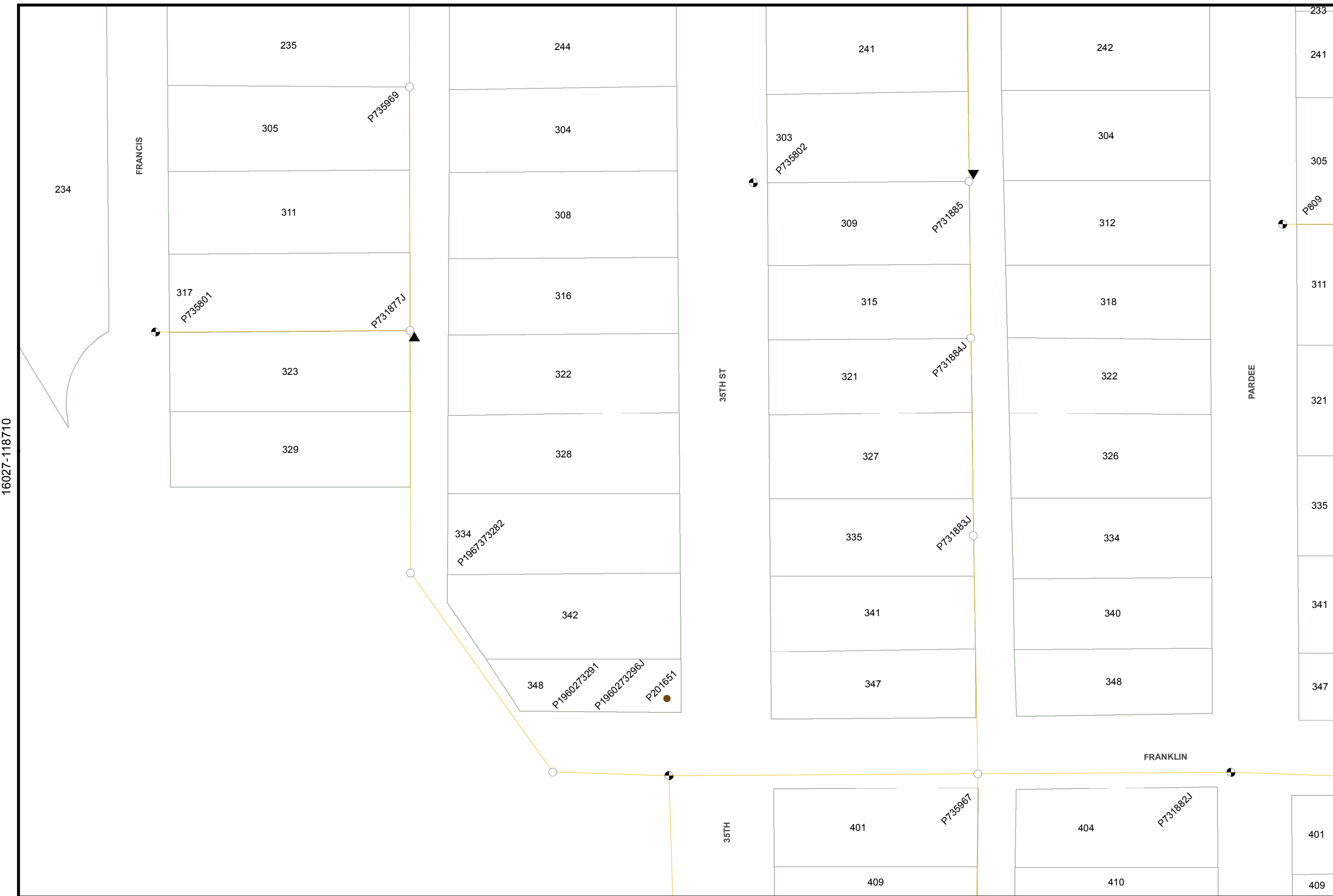
Map Number: 16035-118705
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY. SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16042-118705

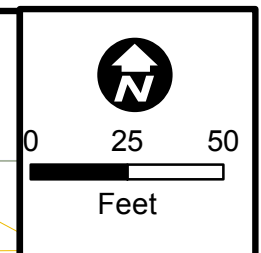
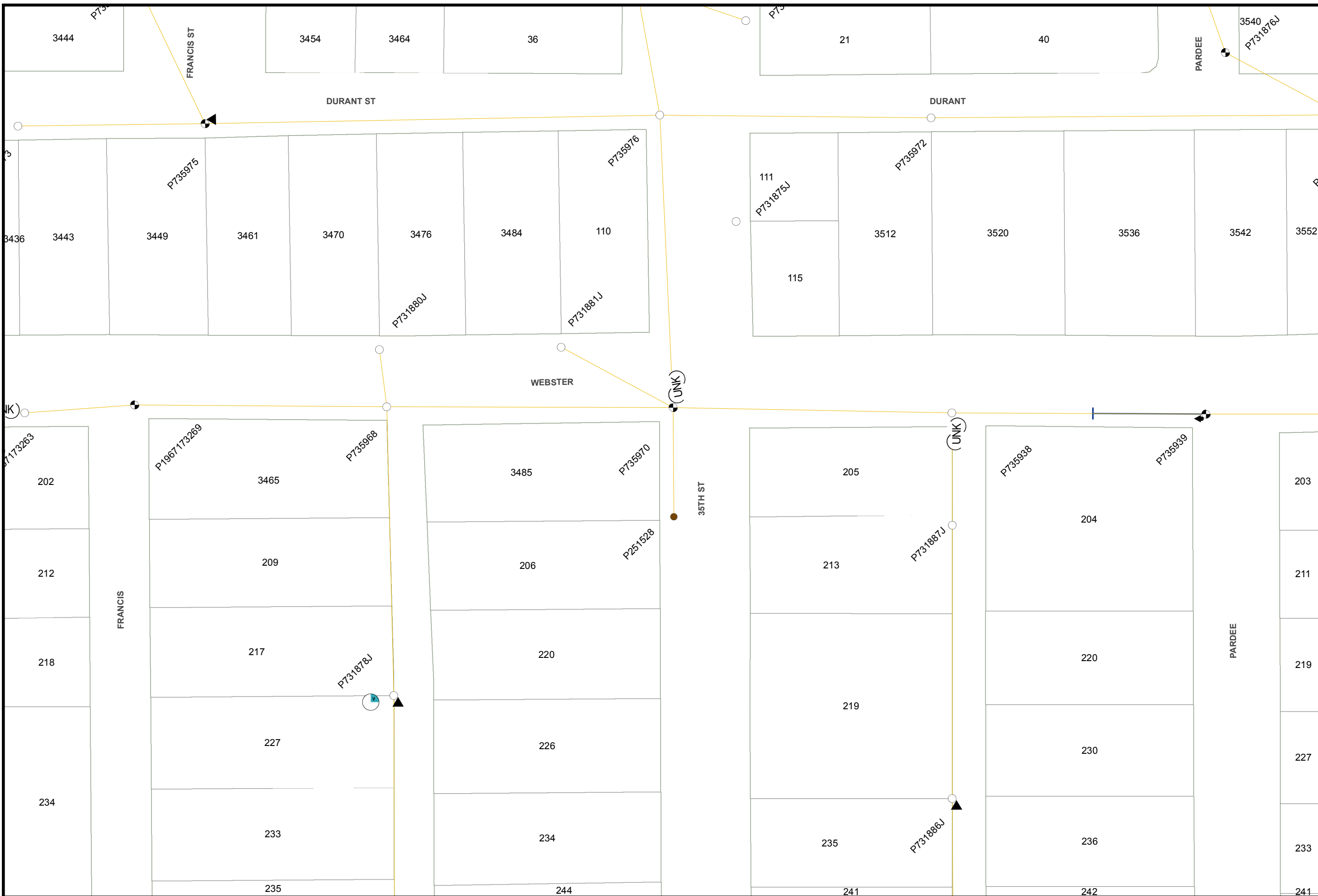
16027-118710



Map Number: 16035-118710
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDGE
 A Sempra Energy utility



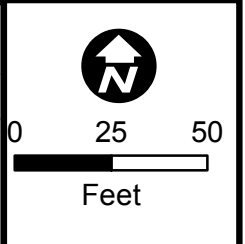
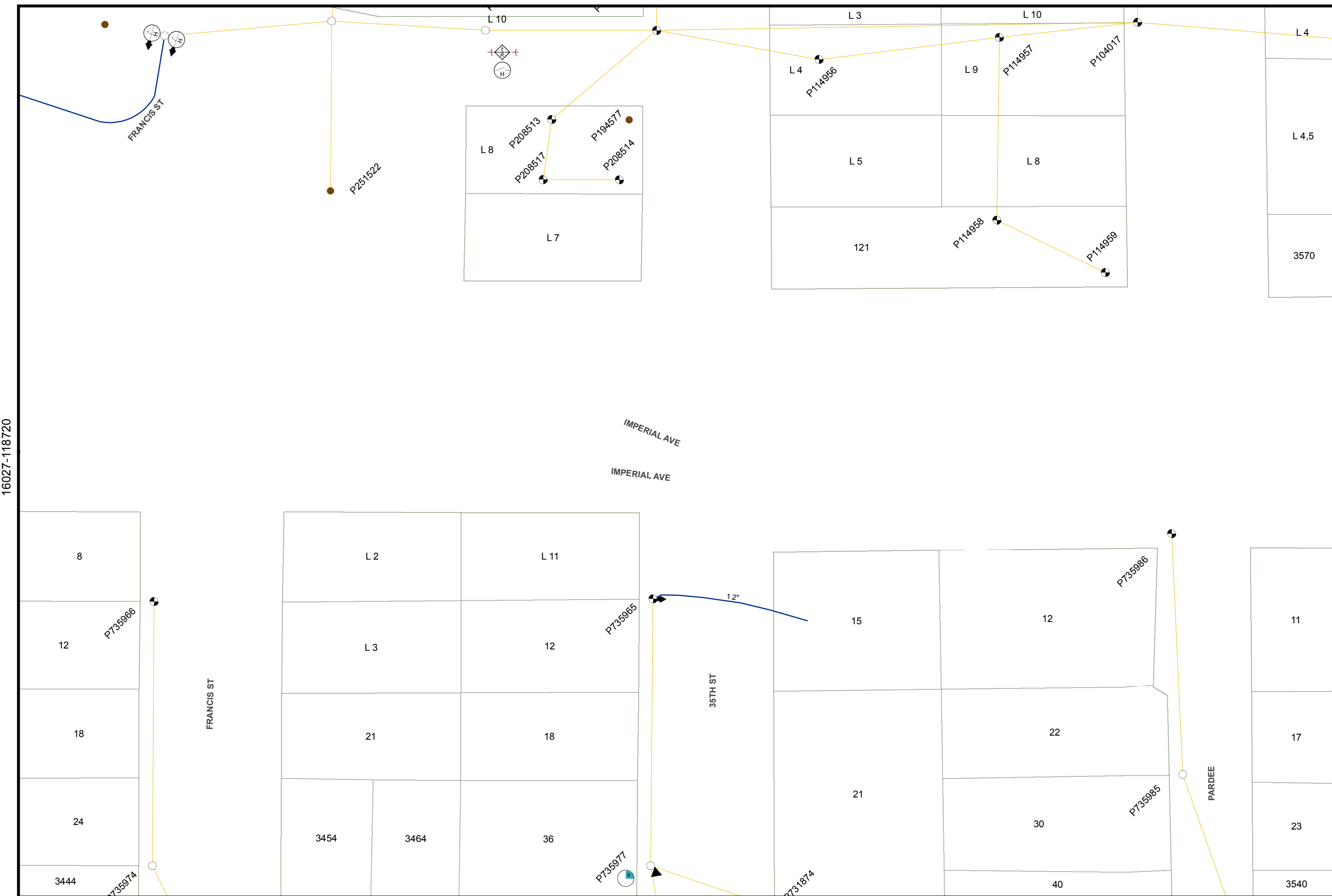
Map Number: 16035-118715
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16027-118715

16042-118715

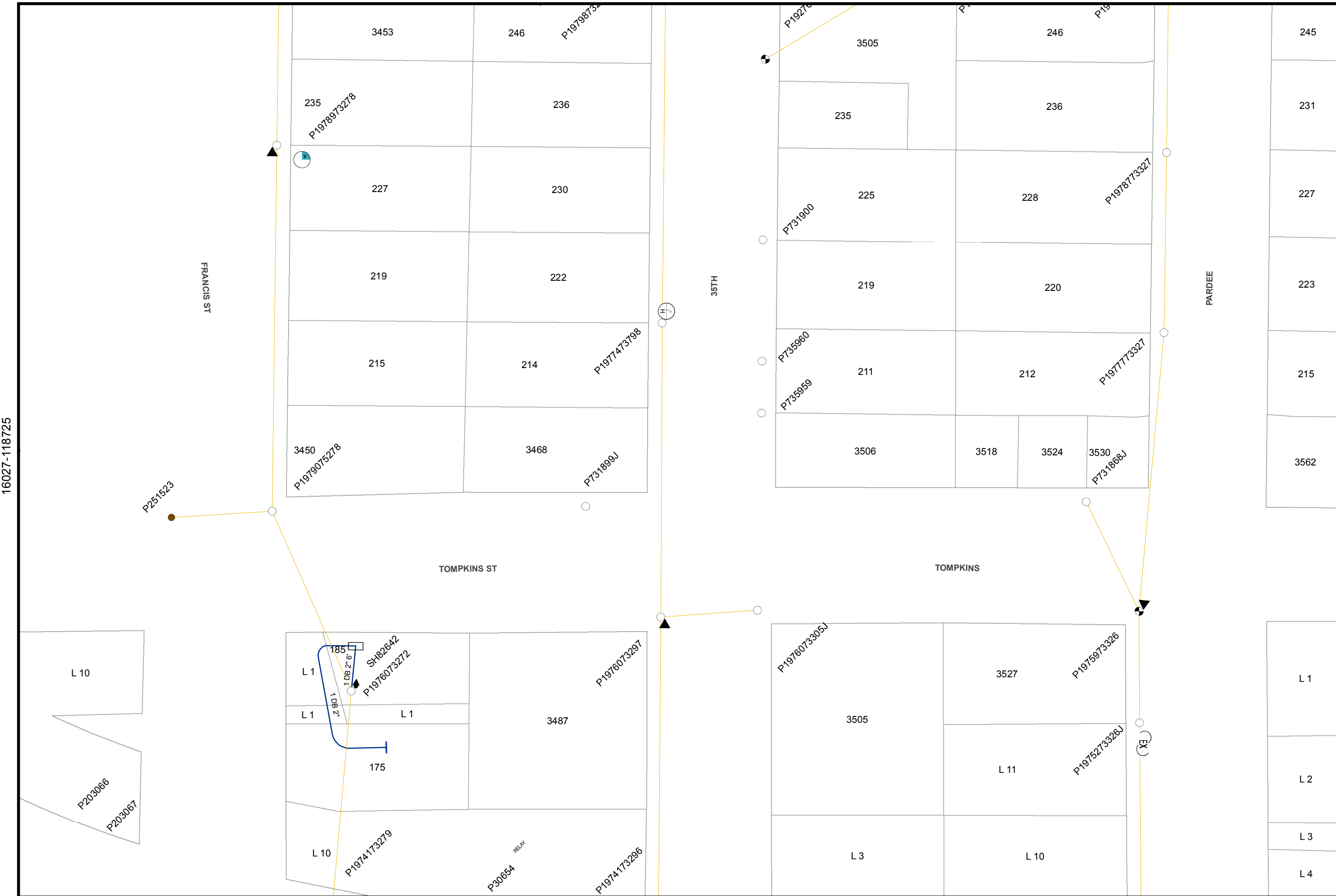



Map Number: 16035-118720
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDGE
 A Sempra Energy utility

16027-118725






0 25 50
Feet

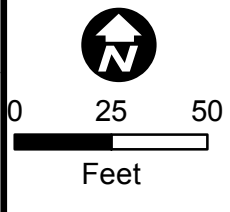
Map Number: 16035-118725	Map Type: Conductor Path Map	Printed By: CORPUMitchel	Printed Date: 5/18/2016
--------------------------	-------------------------------------	--------------------------	-------------------------

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



SDGE
Sempra Energy utility

16042-118725



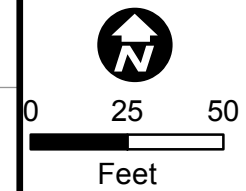
Map Number: 16042-118690
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16035-118690

16050-118690

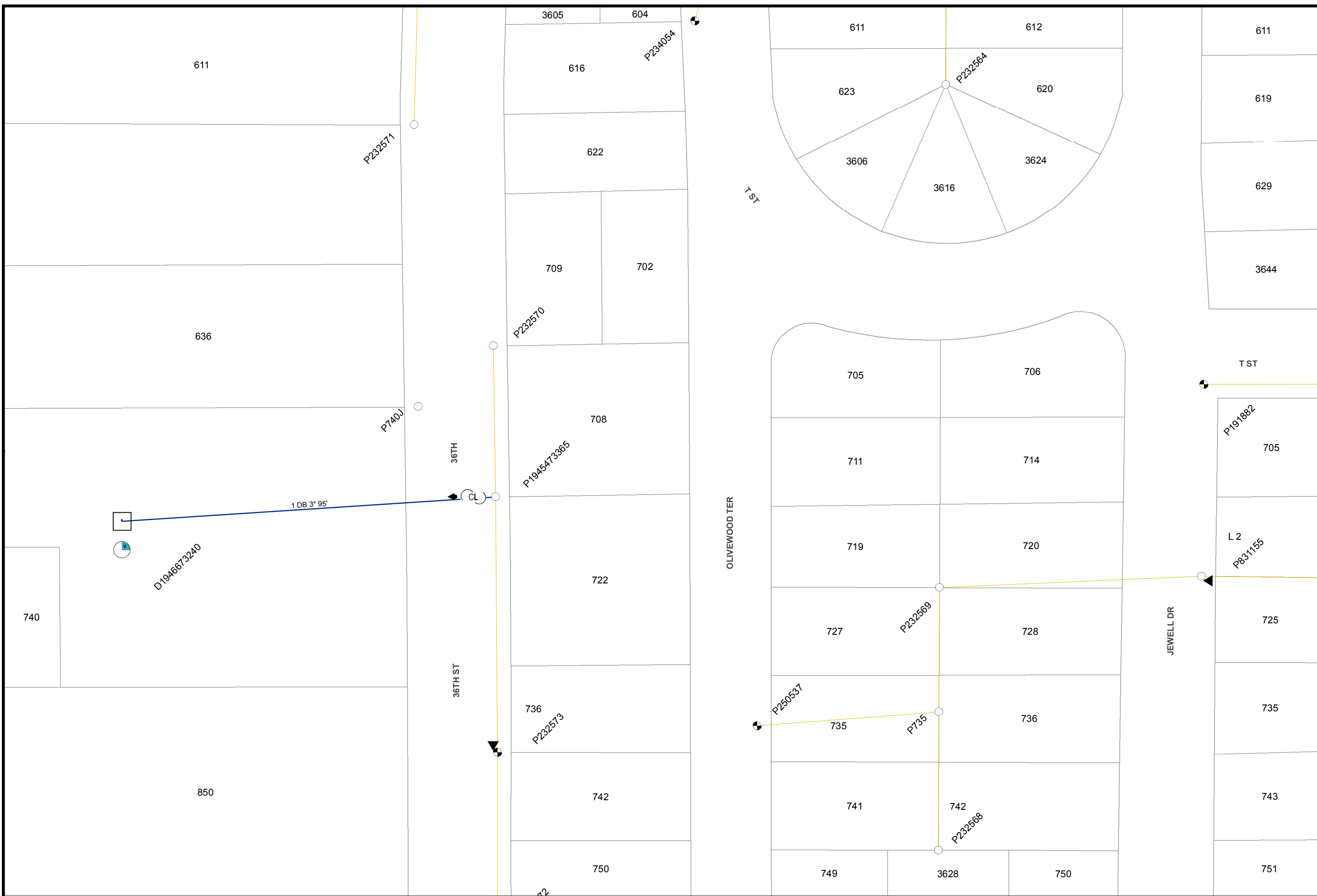


Map Number: 16042-118695
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

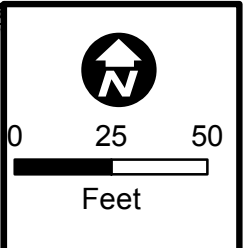
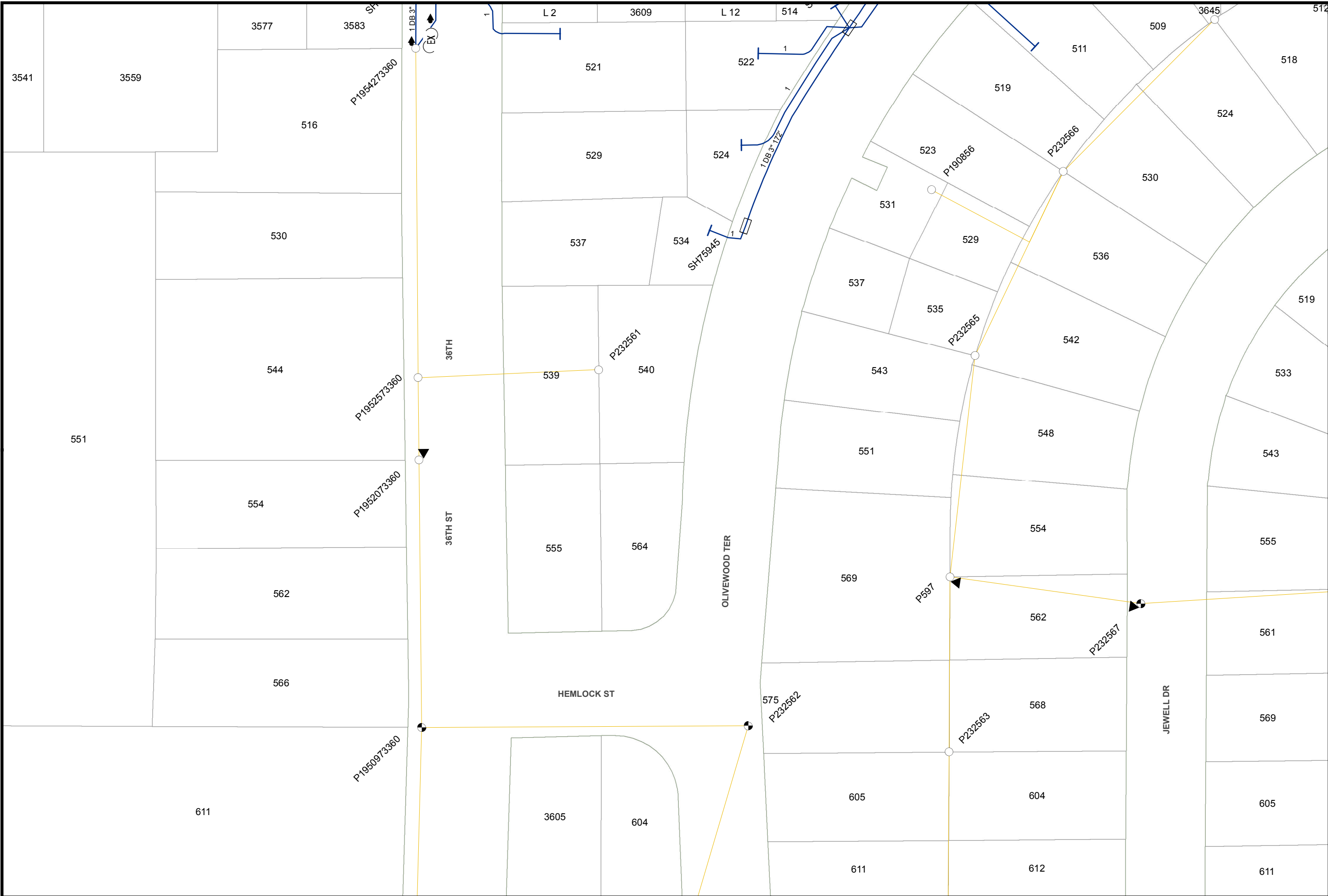


16035-118695



16050-118695

16035-118700



Map Number: 16042-118700
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

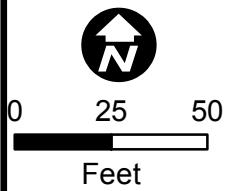
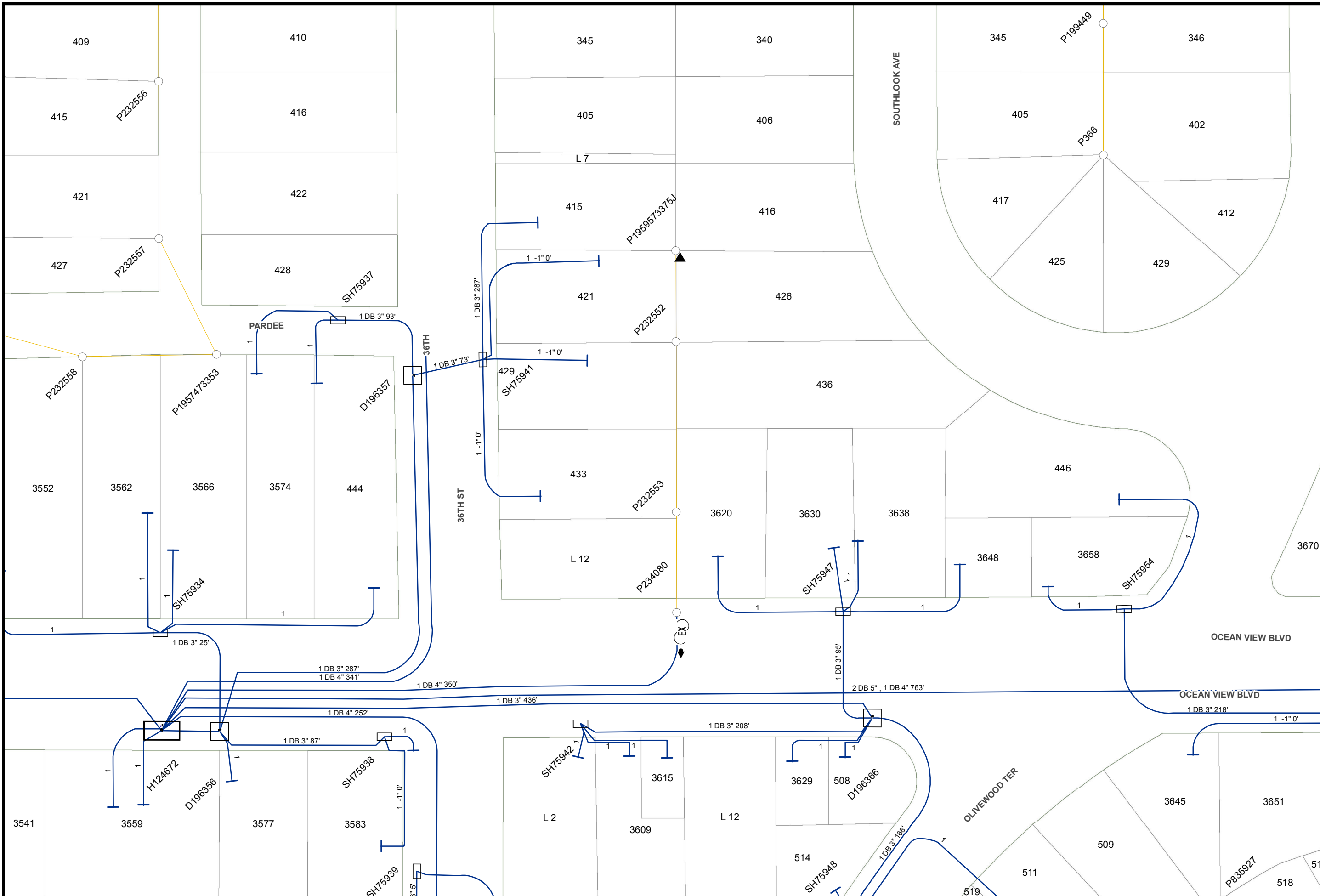
CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16050-118700

16035-118705

16050-118705



Map Number: 16042-118705
Map Type: Conductor Path Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16035-118710



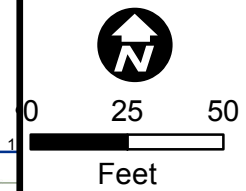
0 25 50
Feet

Map Number: 16042-118710
Map Type: **Conductor Path Map**
Printed By: CORPUMitchel
Printed Date: 5/18/2016

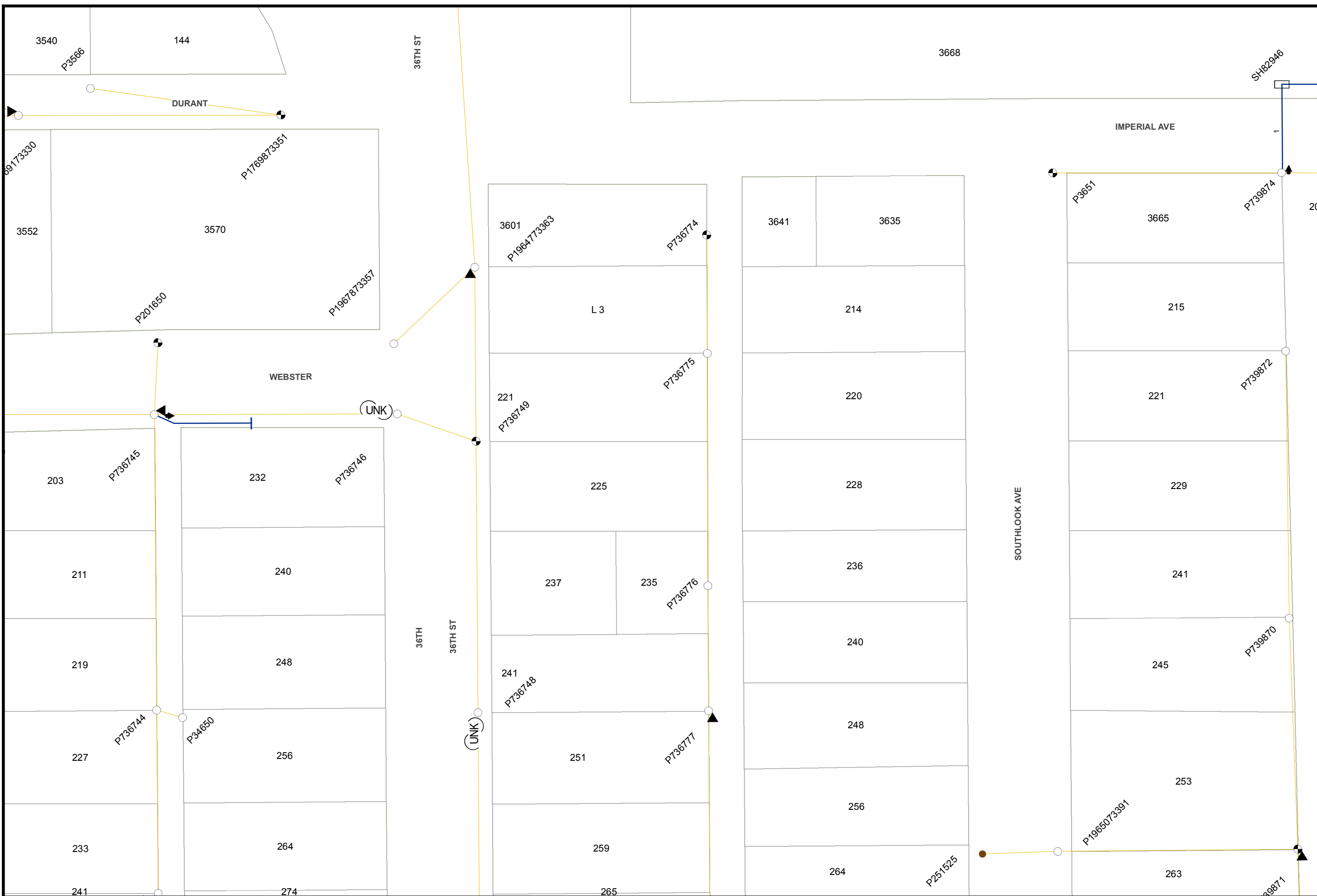
CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDG&E
Semptra Energy utility

16050-118710



16035-118715



Map Number: 16042-118715
Map Type: Conductor Path Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16035-118720



Map Number: 16042-118720
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16050-118720

16035-118725



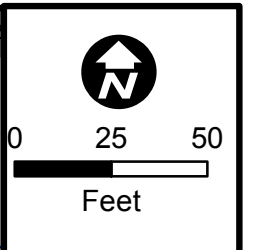
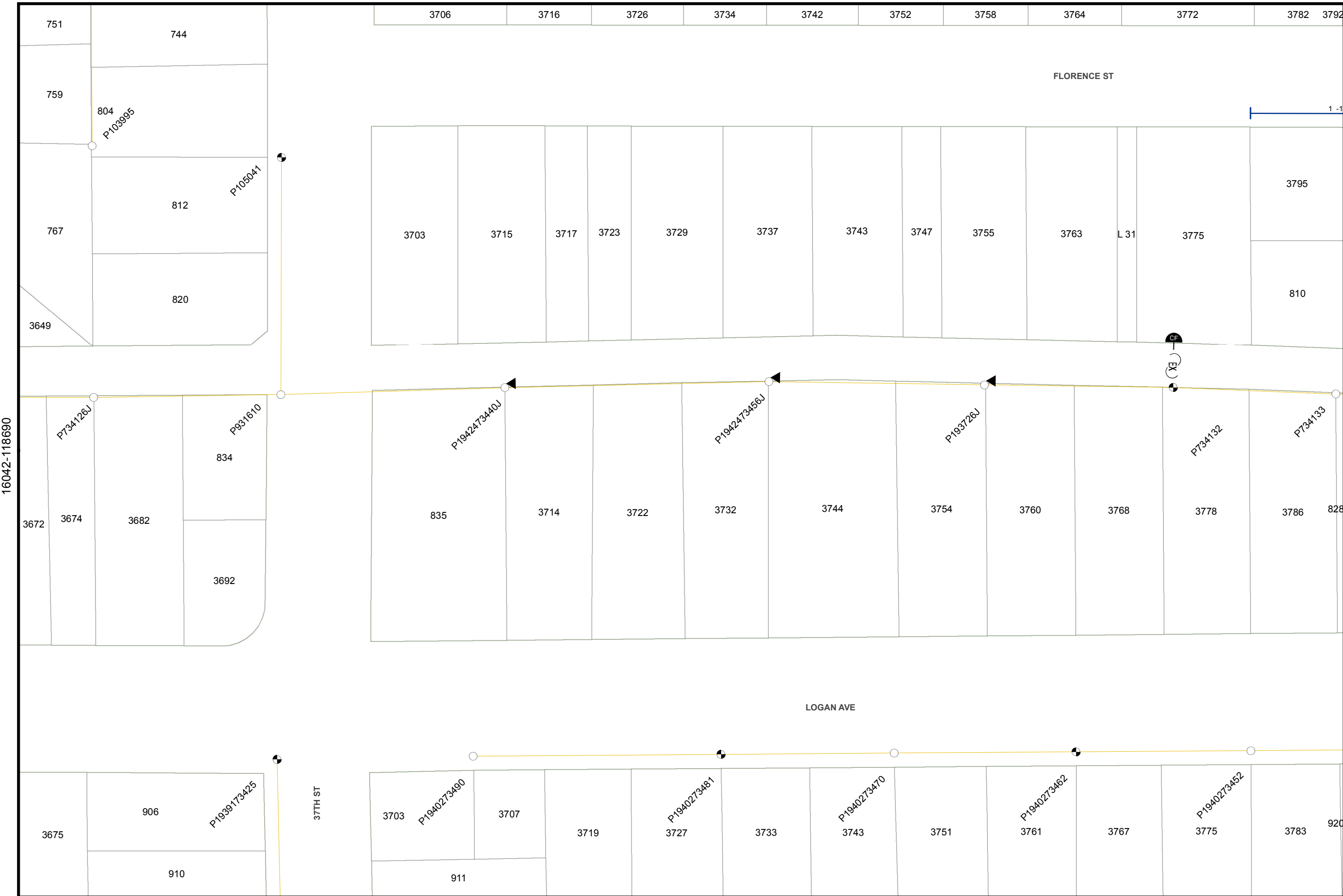
0 25 50
Feet

Map Number: 16042-118725
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDGE
 A Sempra Energy utility

16050-118725



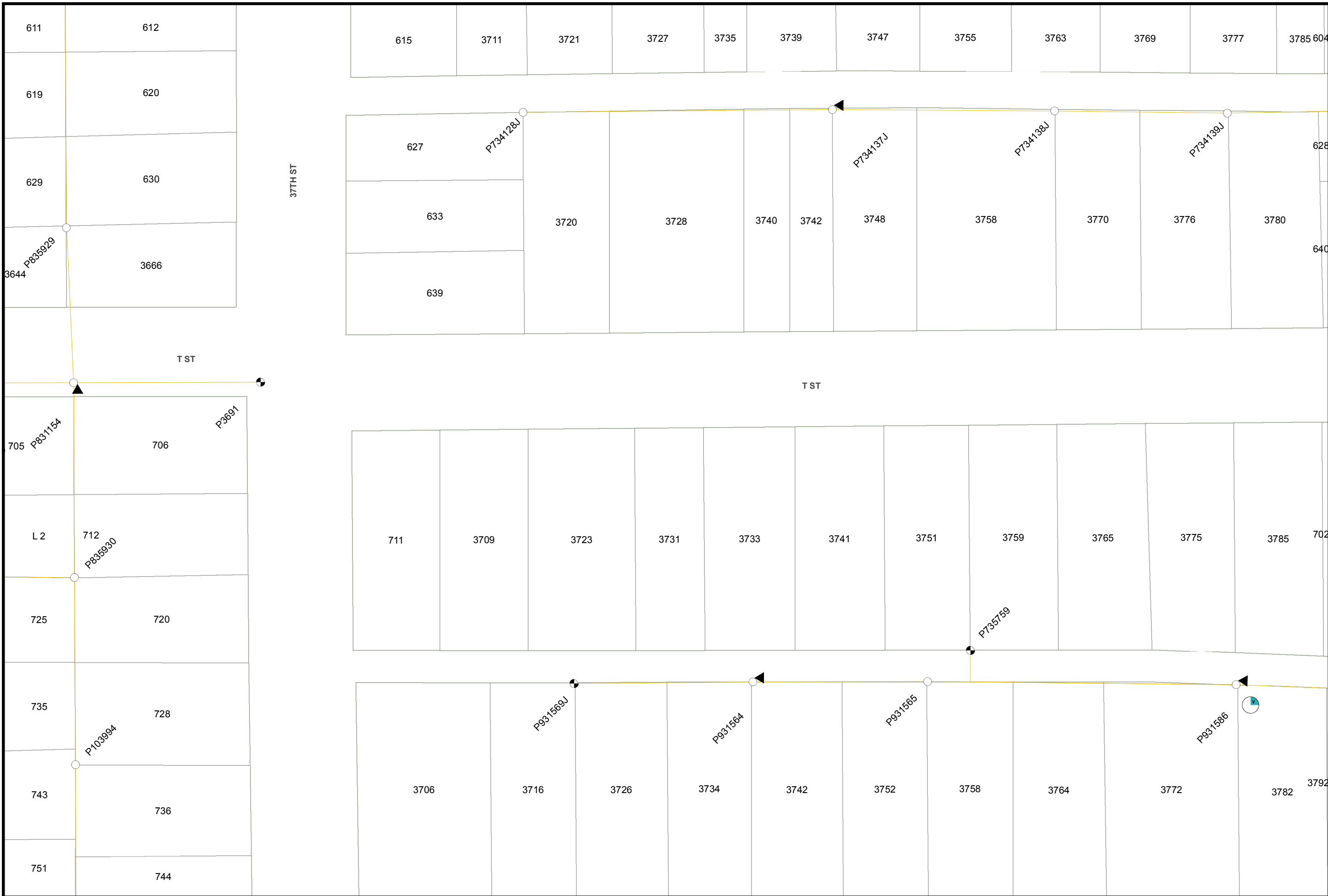
Map Number: 16050-118690
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDGE
 A Sempra Energy utility

16042-118690

16057-118690



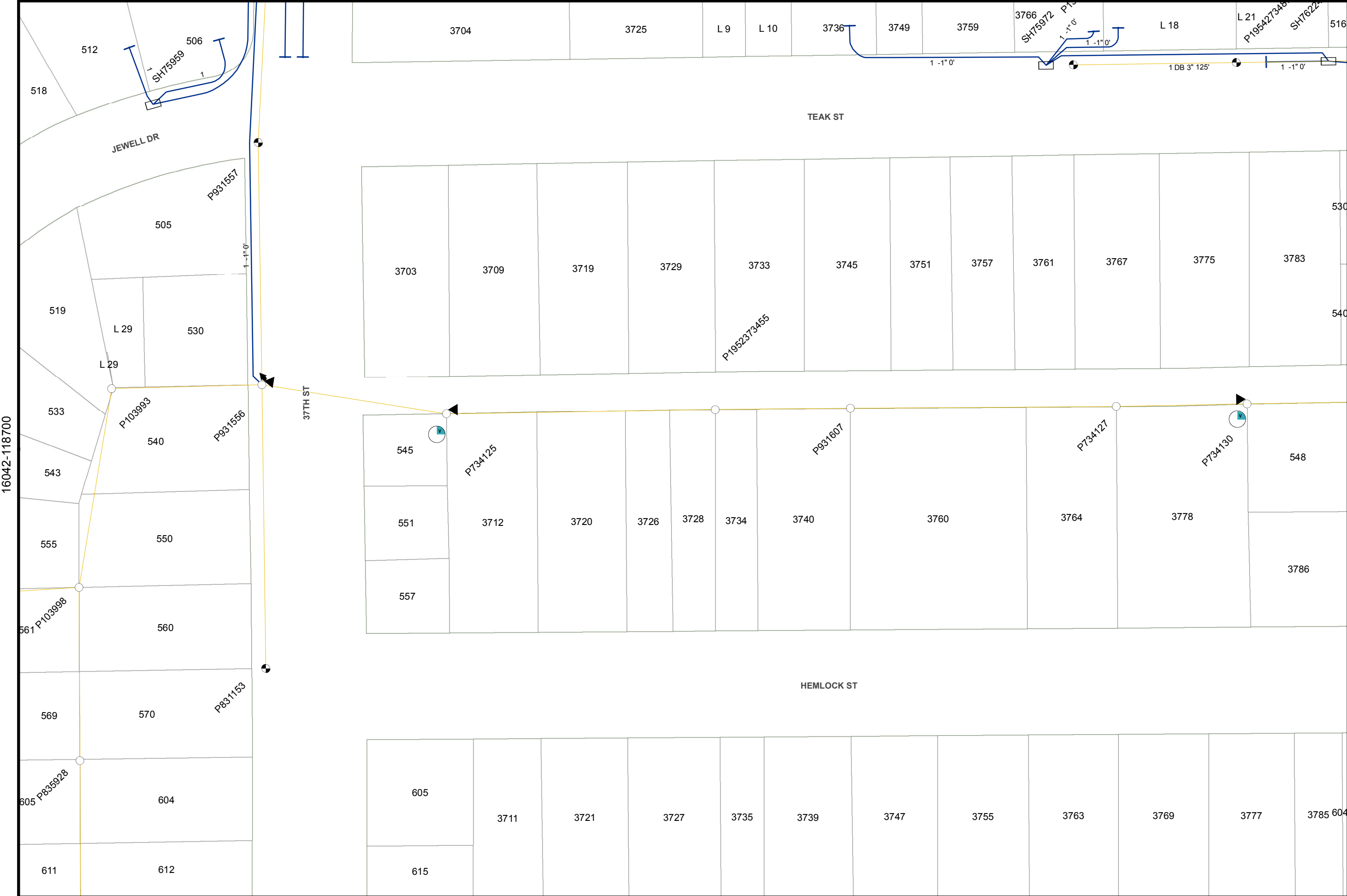
Map Number: 16050-118695
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDGE
 A Sempra Energy utility

16042-118695

16057-118695



0 25 50
Feet

Map Number: 16050-118700
Map Type: **Conductor Path Map**
Printed By: CORPUMitchel
Printed Date: 5/18/2016

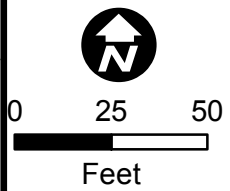
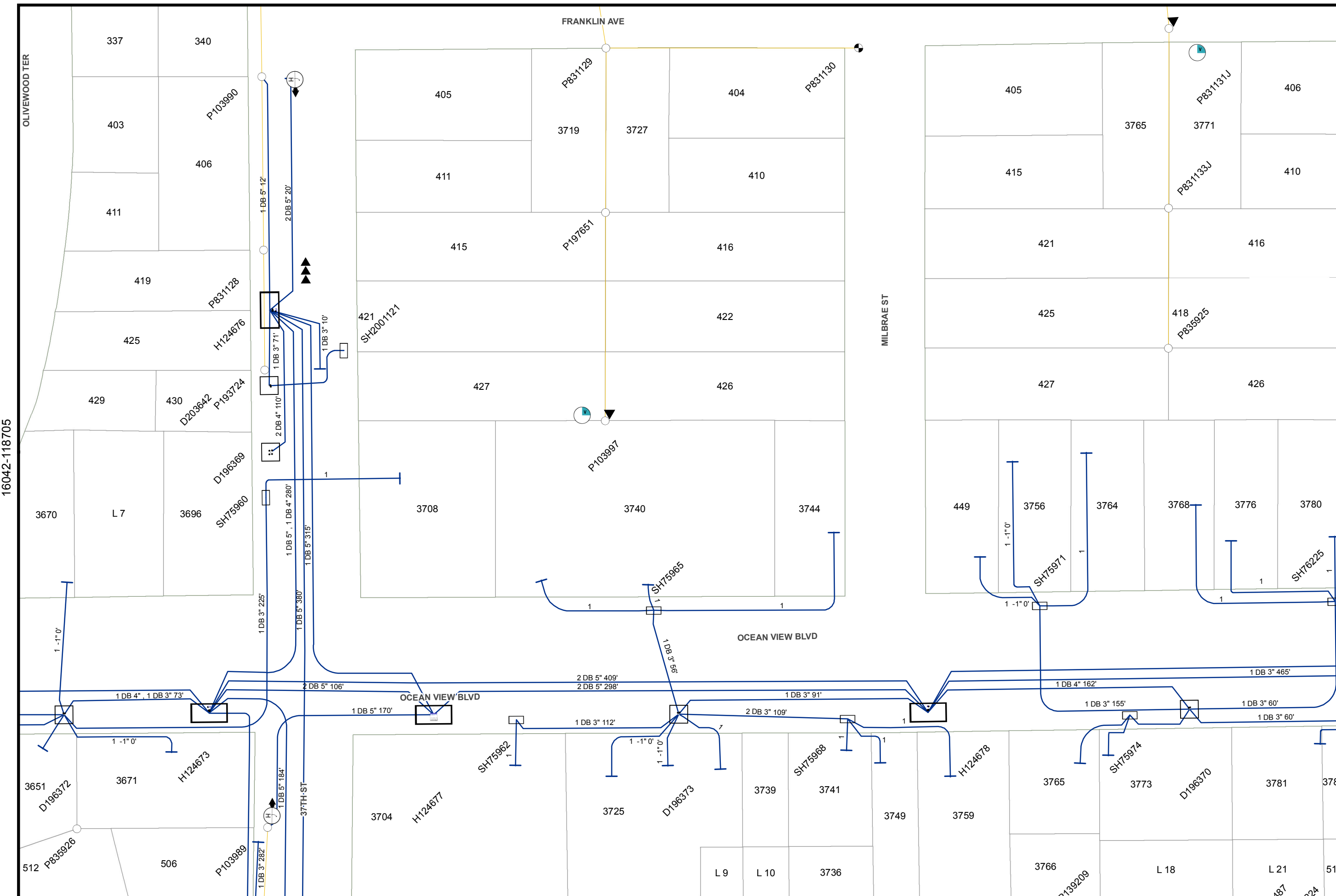
16042-118700

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

16057-118700

SDGE
A Sempra Energy utility

16042-118705



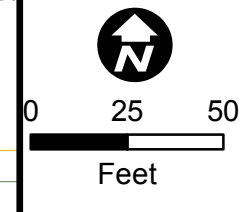
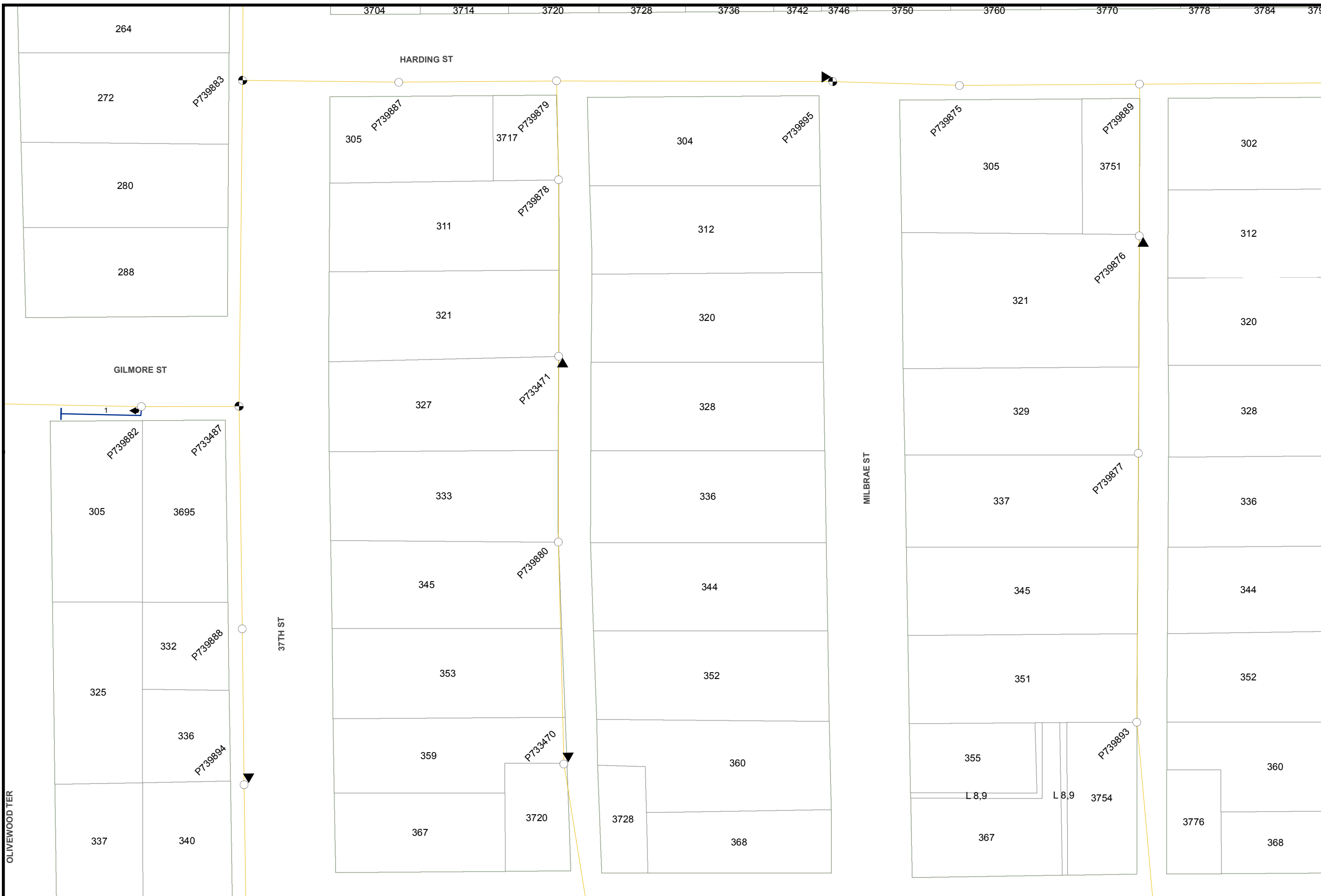
Map Number: 16050-118705
Map Type: Conductor Path Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16057-118705

16042-118710

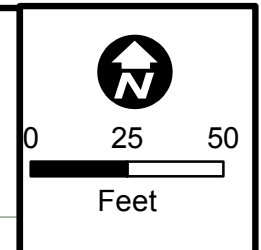


Map Number: 16050-118710
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16057-118710



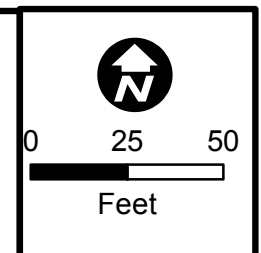
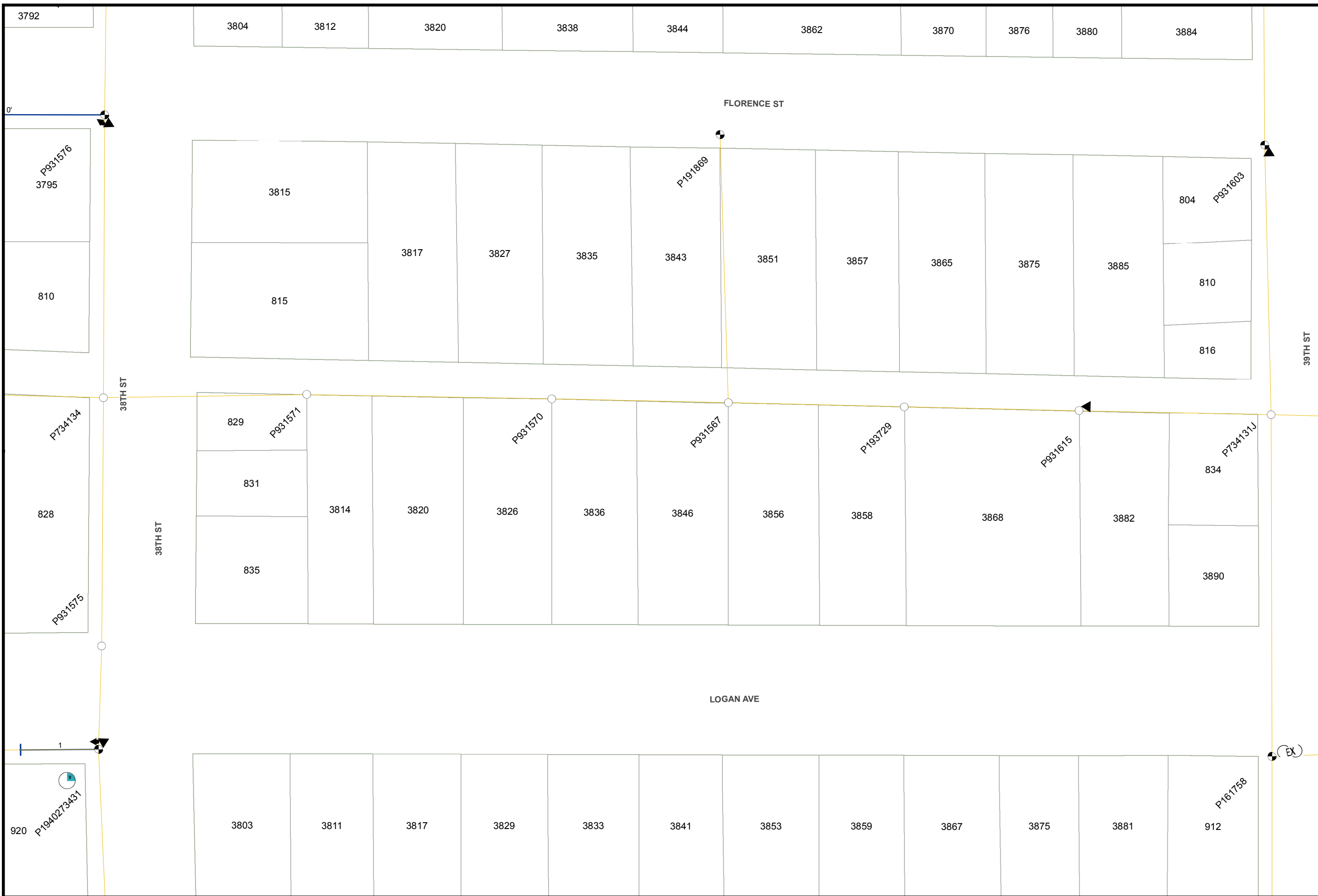
Map Number: 16050-118715
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16042-118715

16057-118715



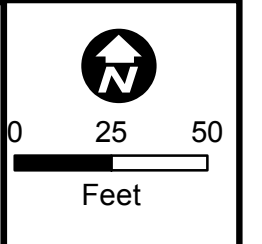
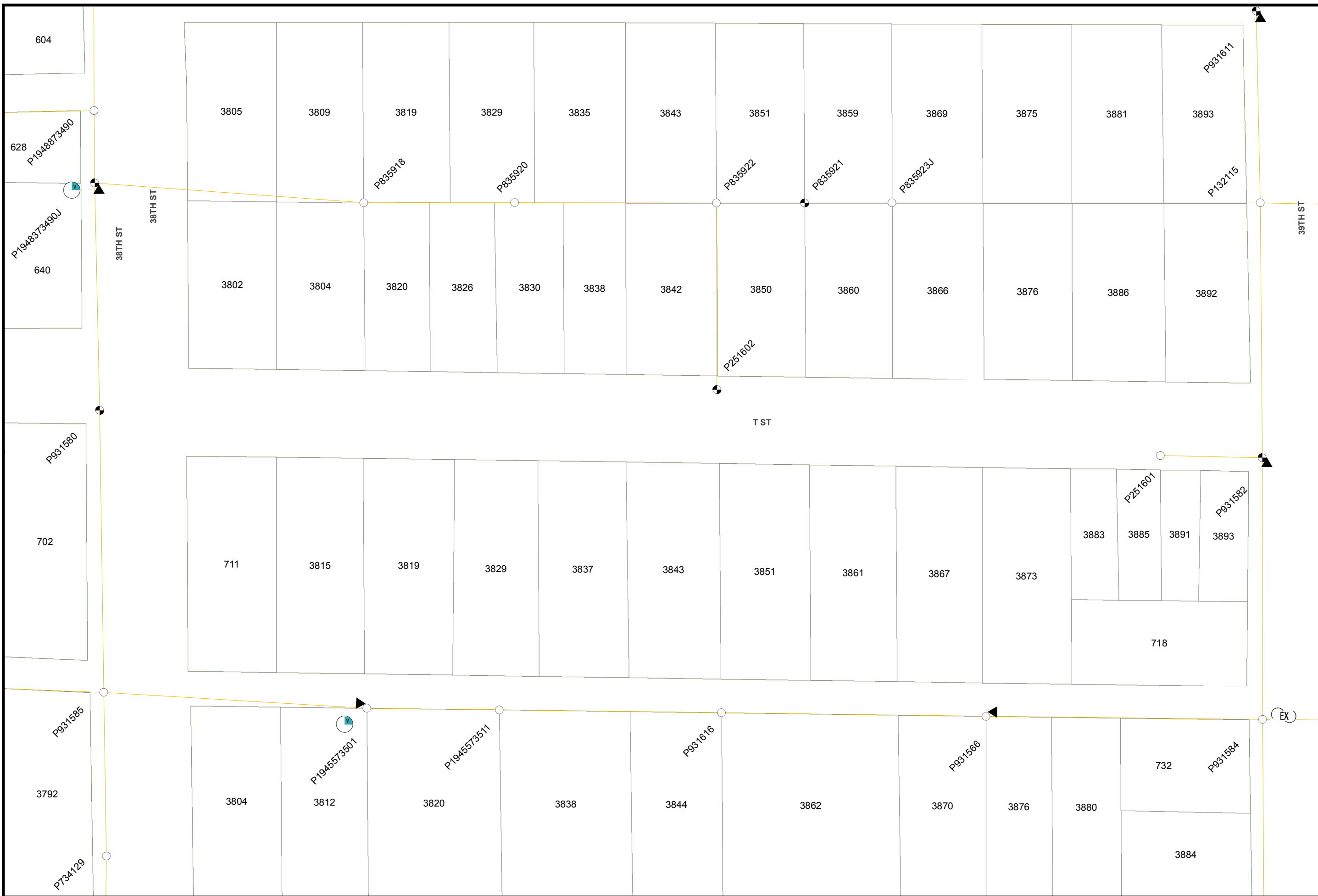
Map Number: 16057-118690
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved. Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16050-118690

16065-118690

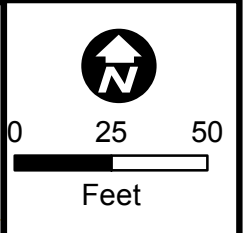
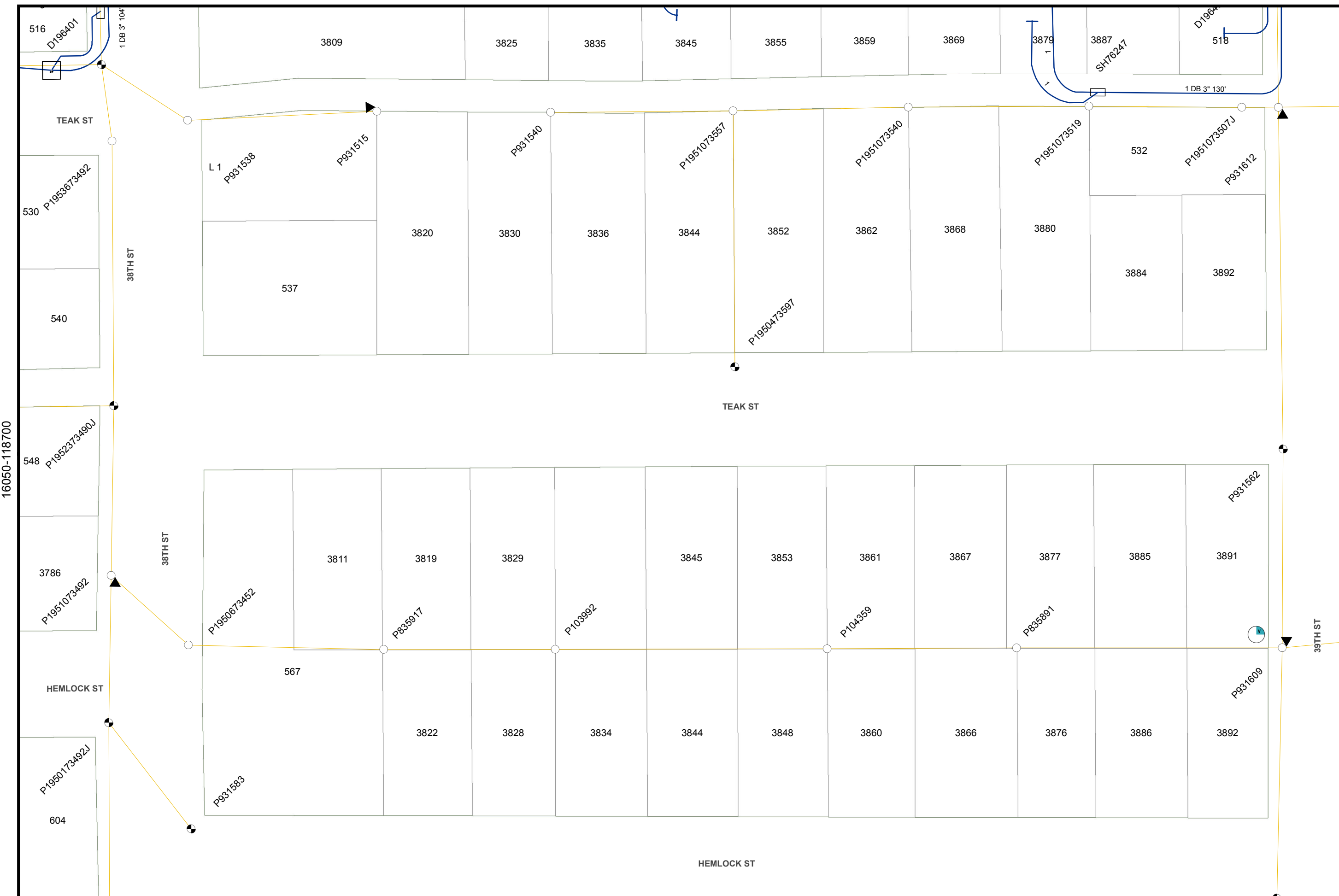


Map Number: 16057-118695
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

16050-118695

16055-118695



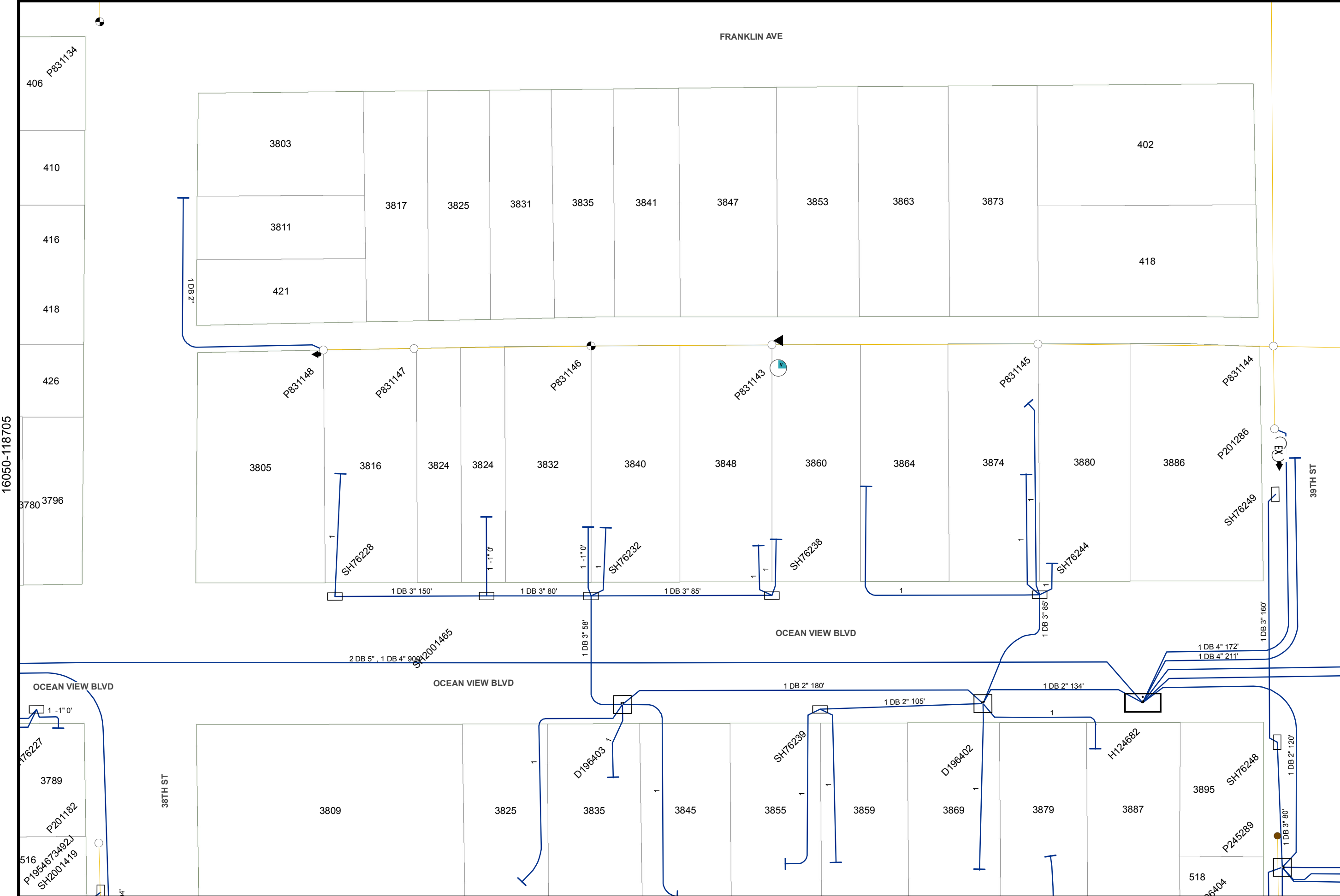
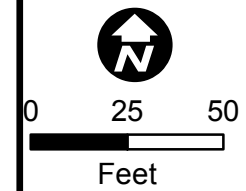
Map Number: 16057-118700
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16050-118700

16065-118700



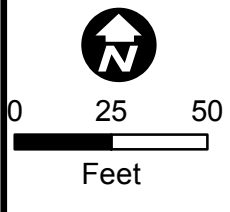
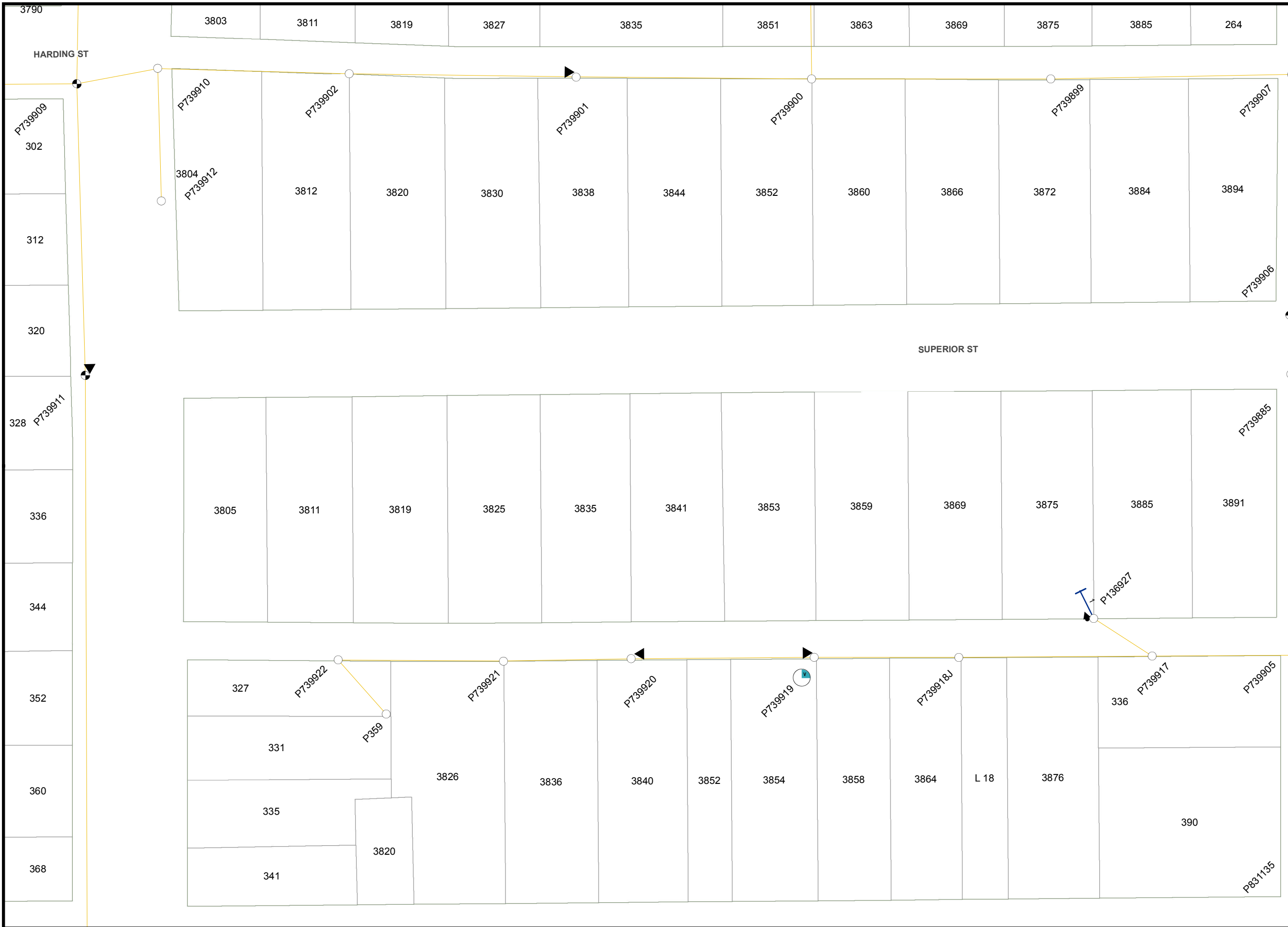
Map Number: 16057-118705
Map Type: Conductor Path Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq, and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16050-118705

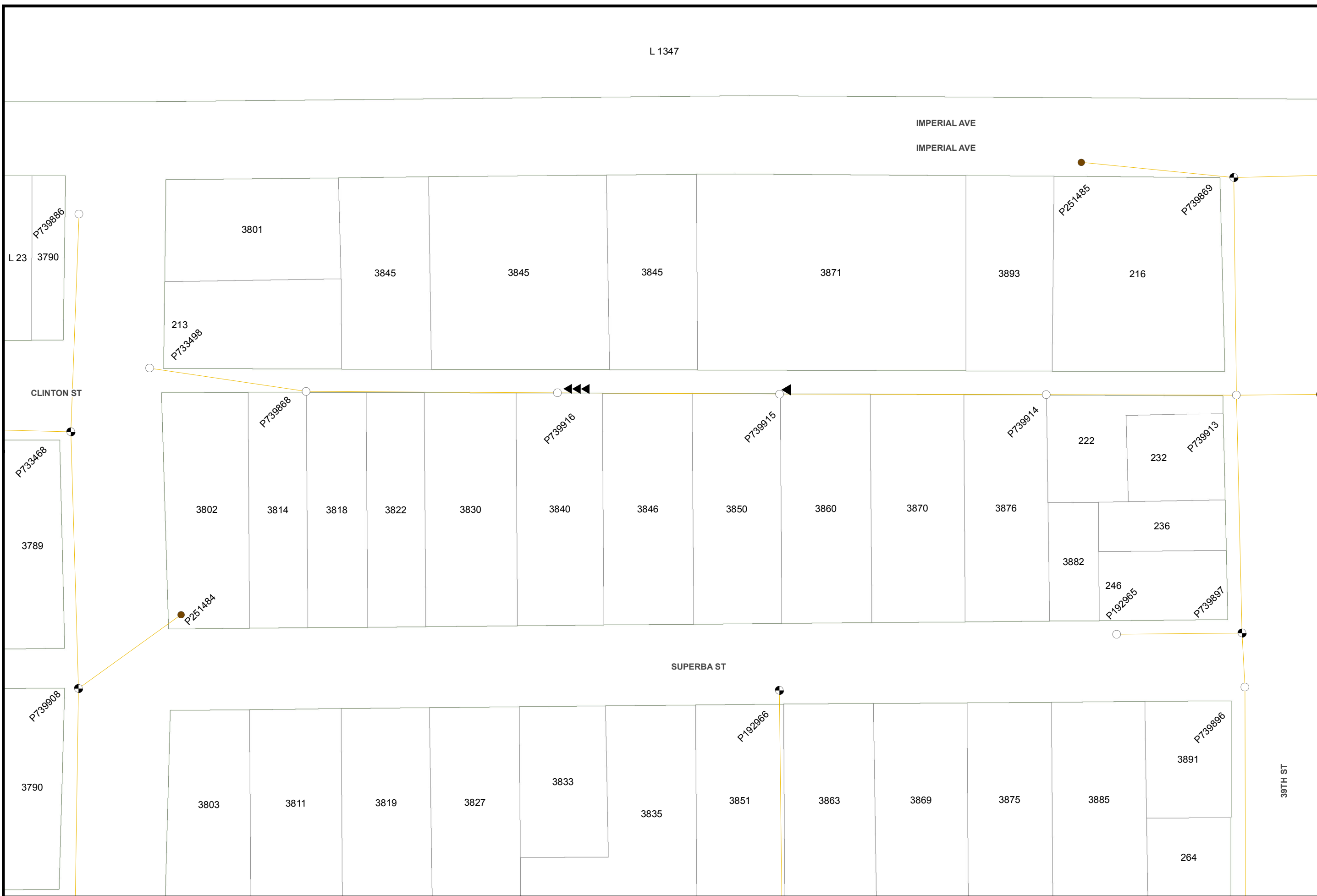
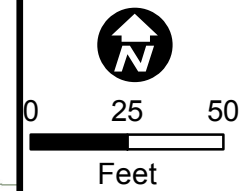
16055-118705



Map Number: 16057-118710
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.





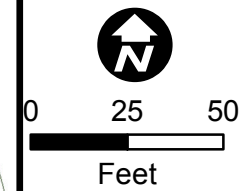
Map Number: 16057-118715
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16050-118715

16055-118715



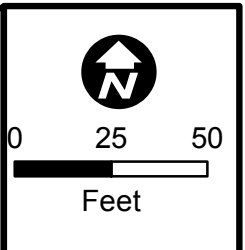
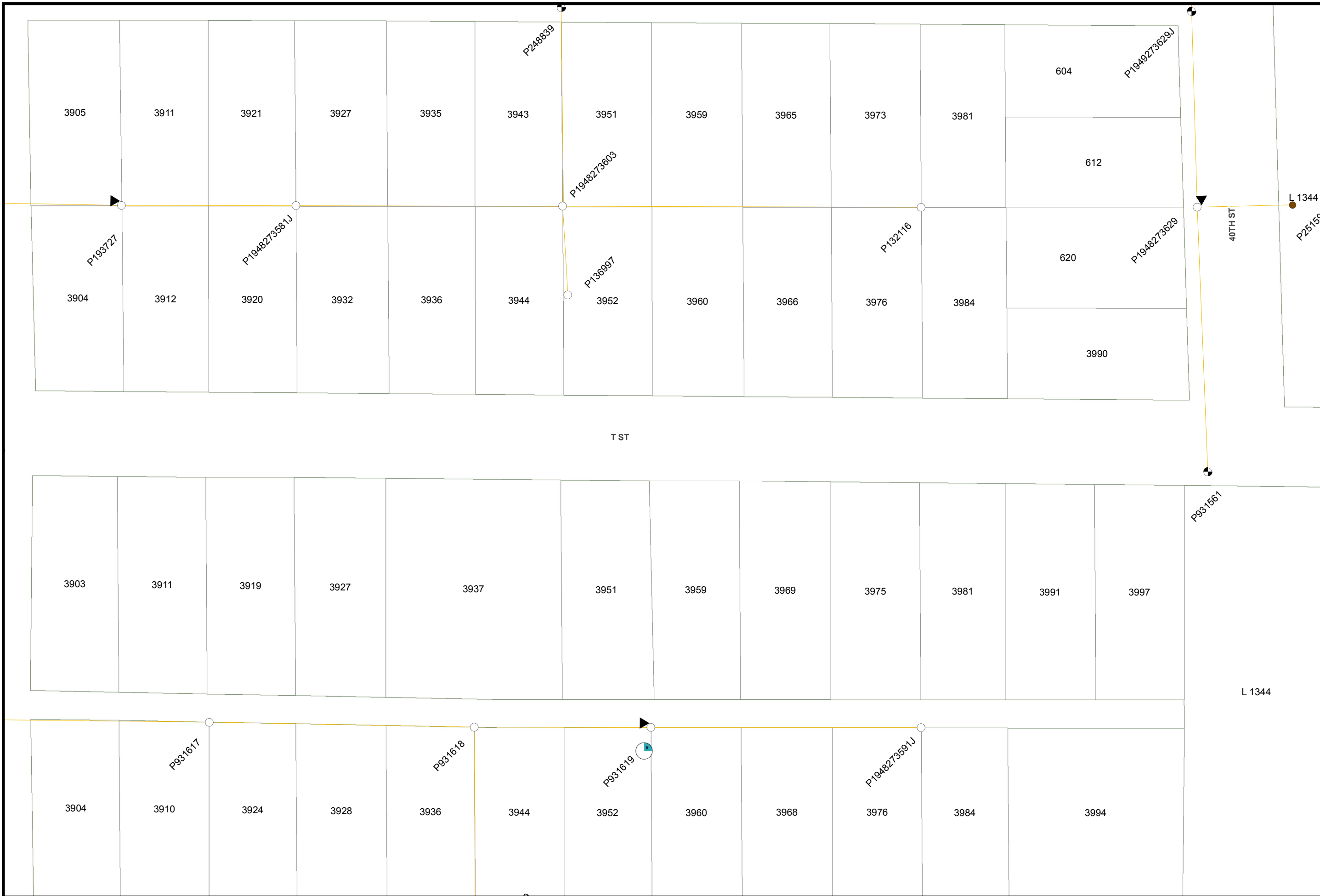
Map Number: 16065-118690
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq, and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16057-118690

16072-118690



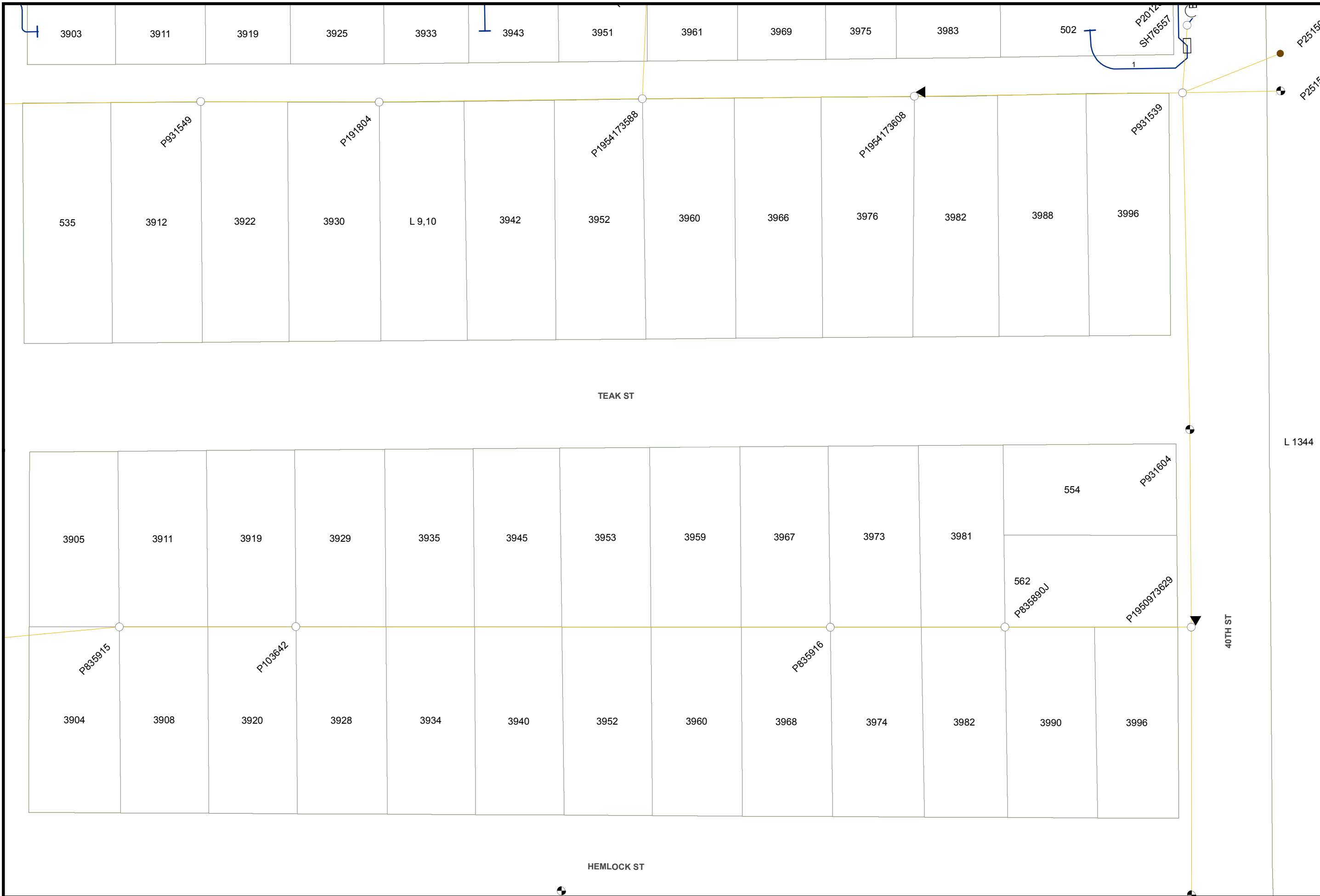
Map Number: 16065-118695
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16057-118695

16072-118695



Map Number: 16065-118700
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

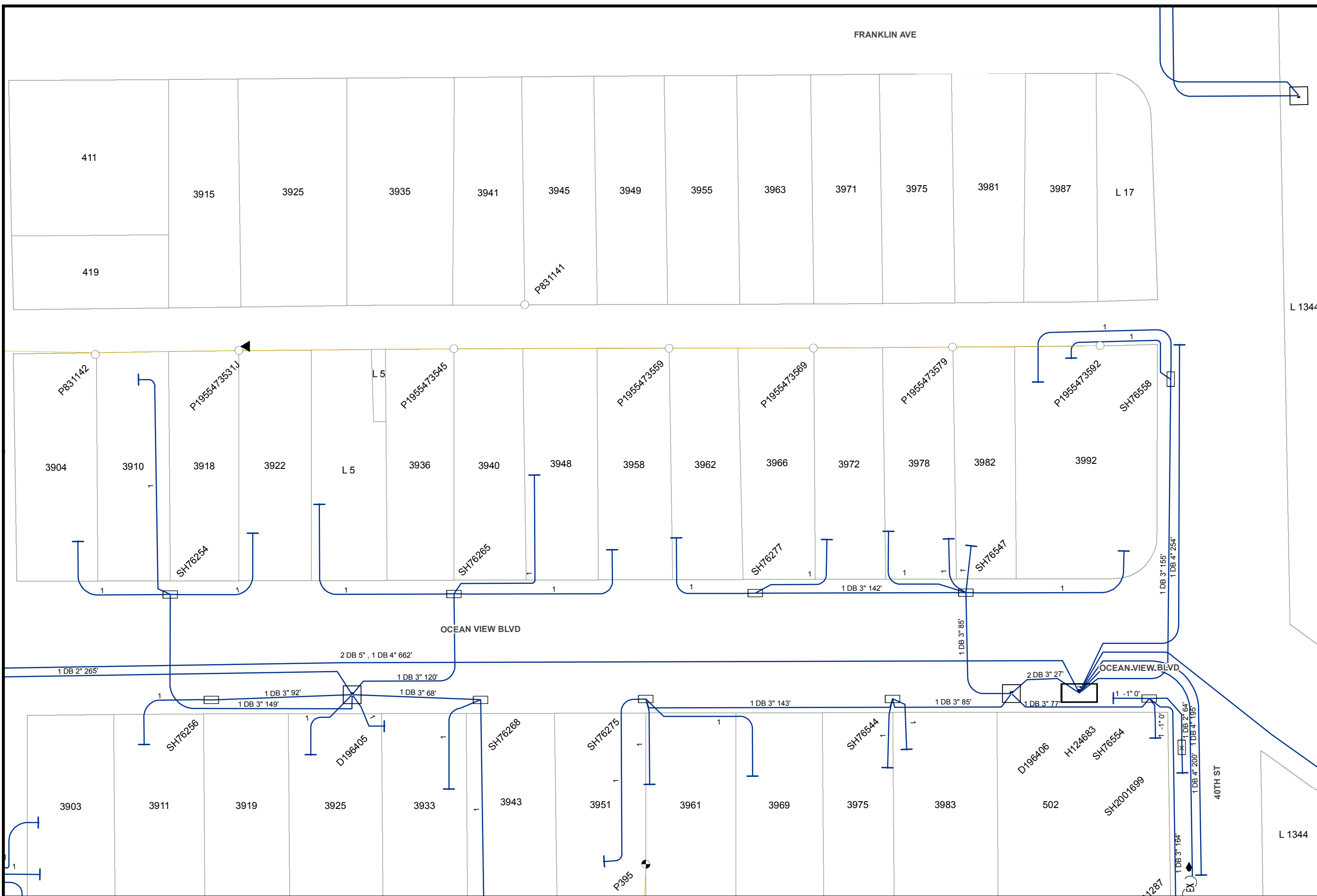
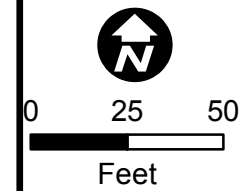
CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16057-118700

16072-118700

FRANKLIN AVE



Map Number: 16065-118705
Map Type: Conductor Path Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq, and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16057-118705

16072-118705

16057-118710



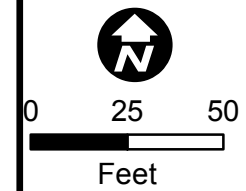
0 25 50
Feet

Map Number: 16065-118710
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.

SDG&E
 Sempra Energy utility

16072-118710



L 1347

3960

IMPERIAL AVE
IMPERIAL AVE

P739988

P739903

P739929

3903

3907

P739904

212

P739928

4110

219
P251642

P739936

220

L 23

224

227

P739935

228

232

241

236

247

244

253

252

P739933

258

259

265

266

ADA AVE

3953

D1965773626

D9679573635

M1966173628

1 DB 3" 6"

2 DB 3" 45"

40TH ST

40TH ST

L 1344

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

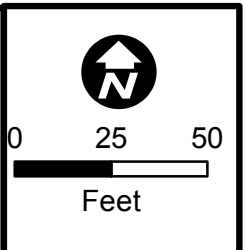
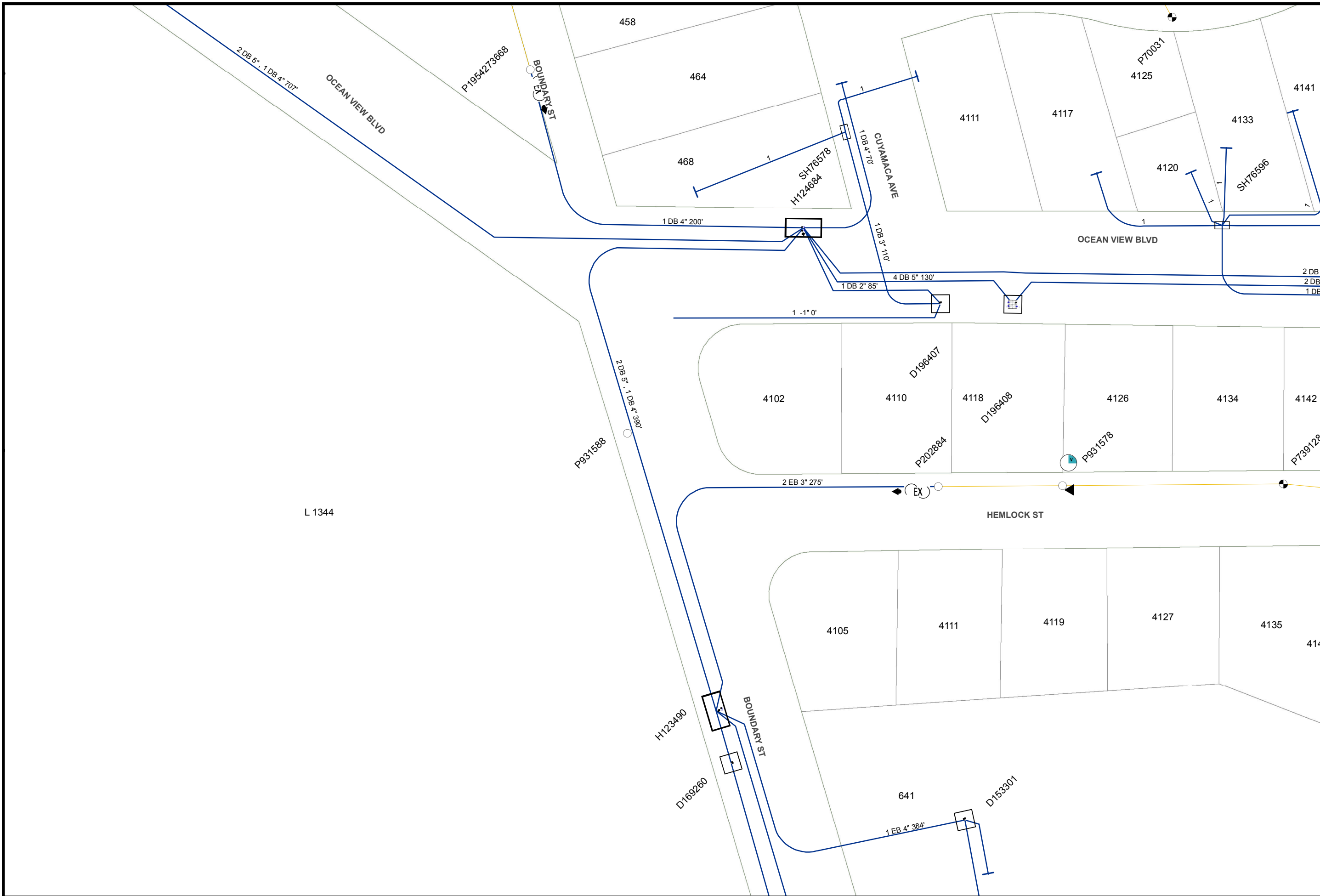
Map Number: 16065-118715
Map Type: **Conductor Path Map**
Printed By: CORPUMitchel
Printed Date: 5/18/2016



16057-118715

16072-118715

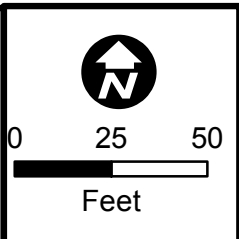
16065-118700



Map Number: 16072-118700
Map Type: Conductor Path Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.





Map Number: 16072-118705
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

16065-118705

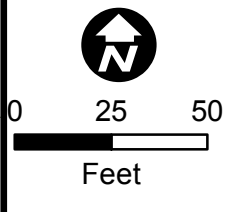
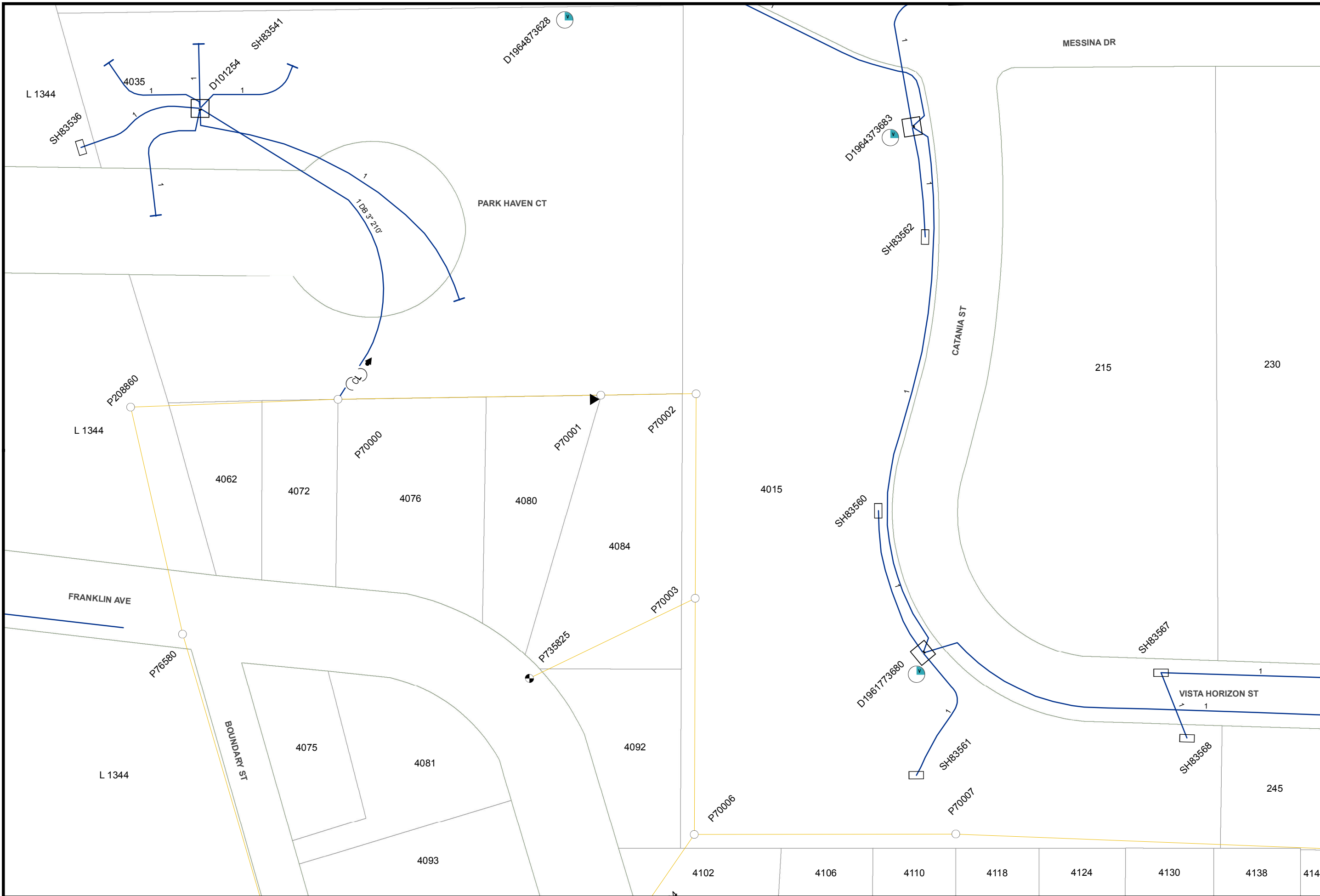
L 1344

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY. SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved. Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.

SDGE
 Sempra Energy utility

16080-118705

16065-118710

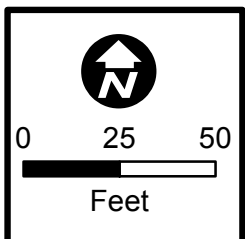
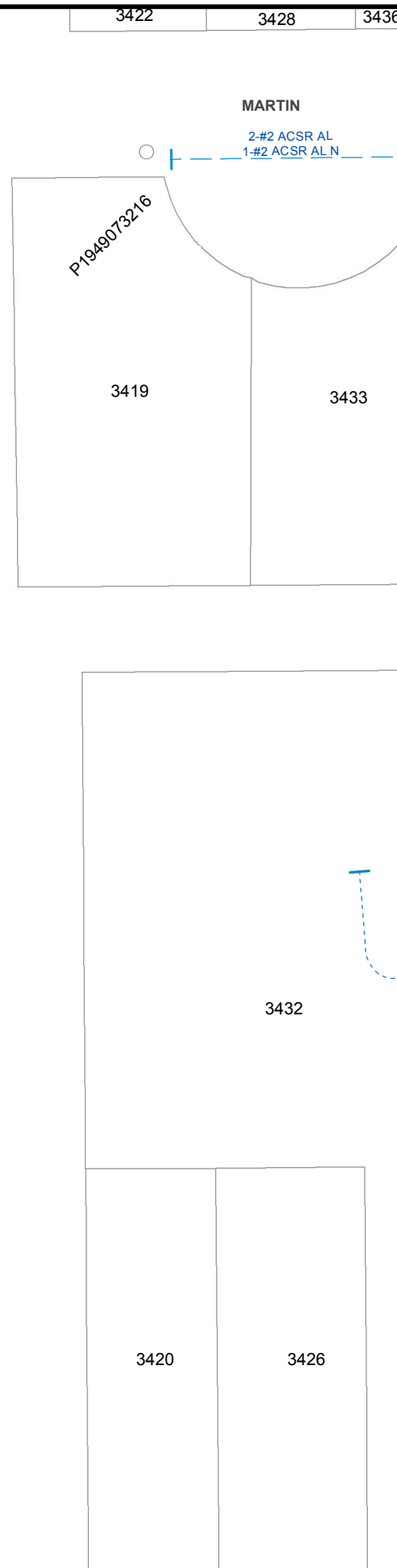
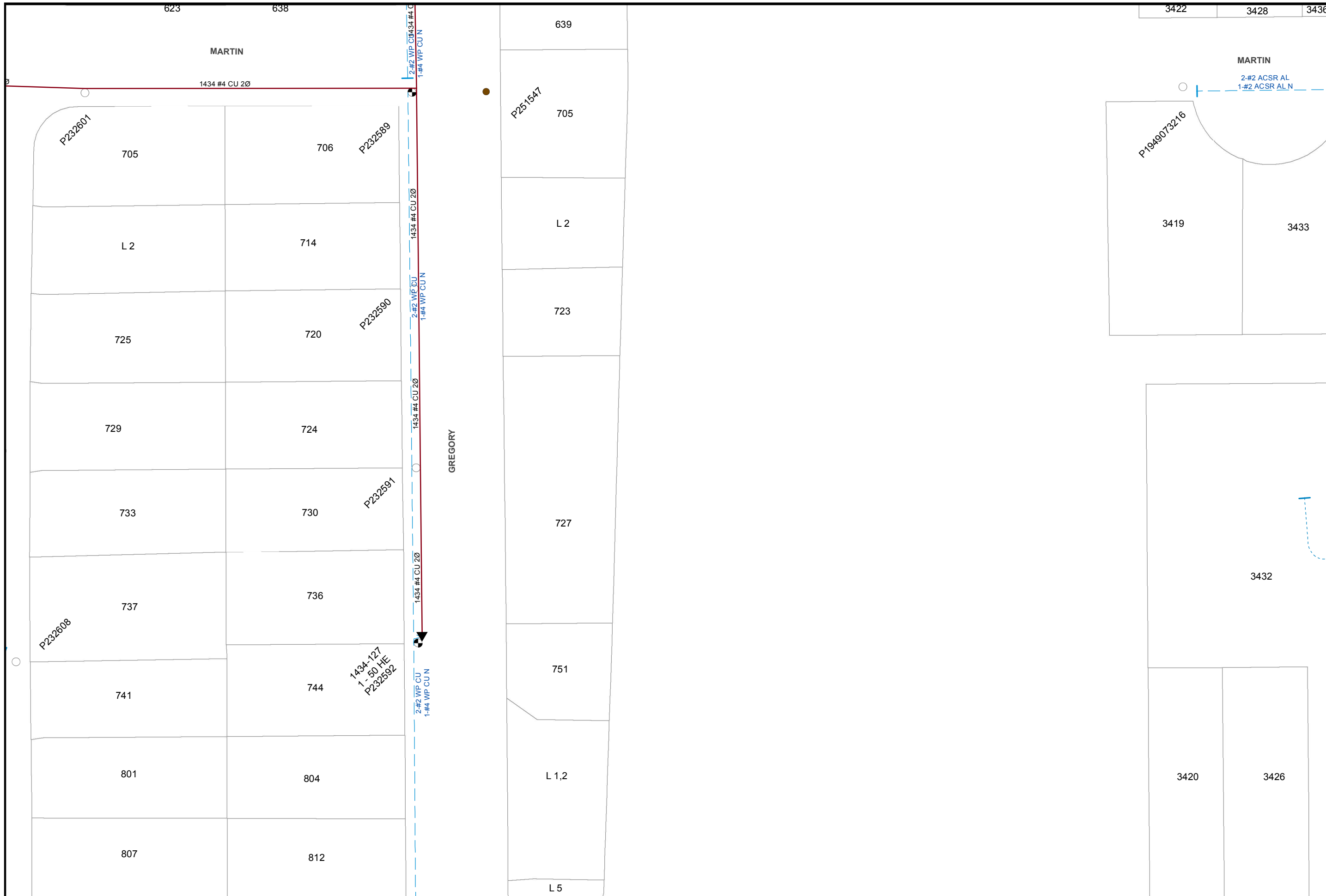


Map Number: 16072-118710
 Map Type: **Conductor Path Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16080-118710



Map Number: 16027-118695
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

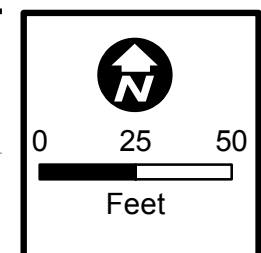
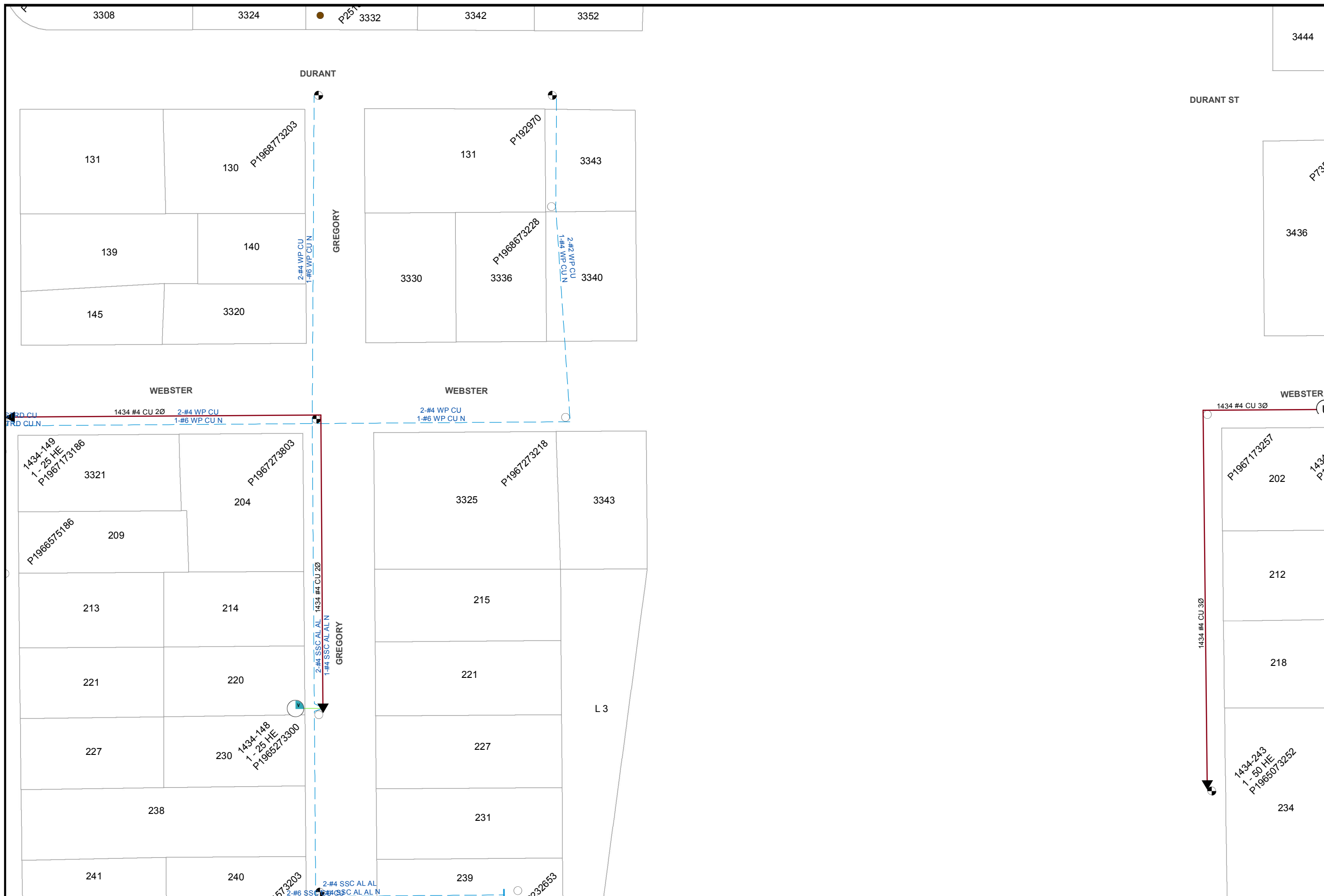
CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.

SDGE
 A Semptra Energy utility

16020-118695

16035-118695

SDGE ELECTRIC ASSETS REFERENCE DRAWINGS



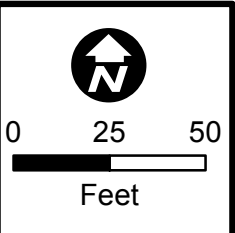
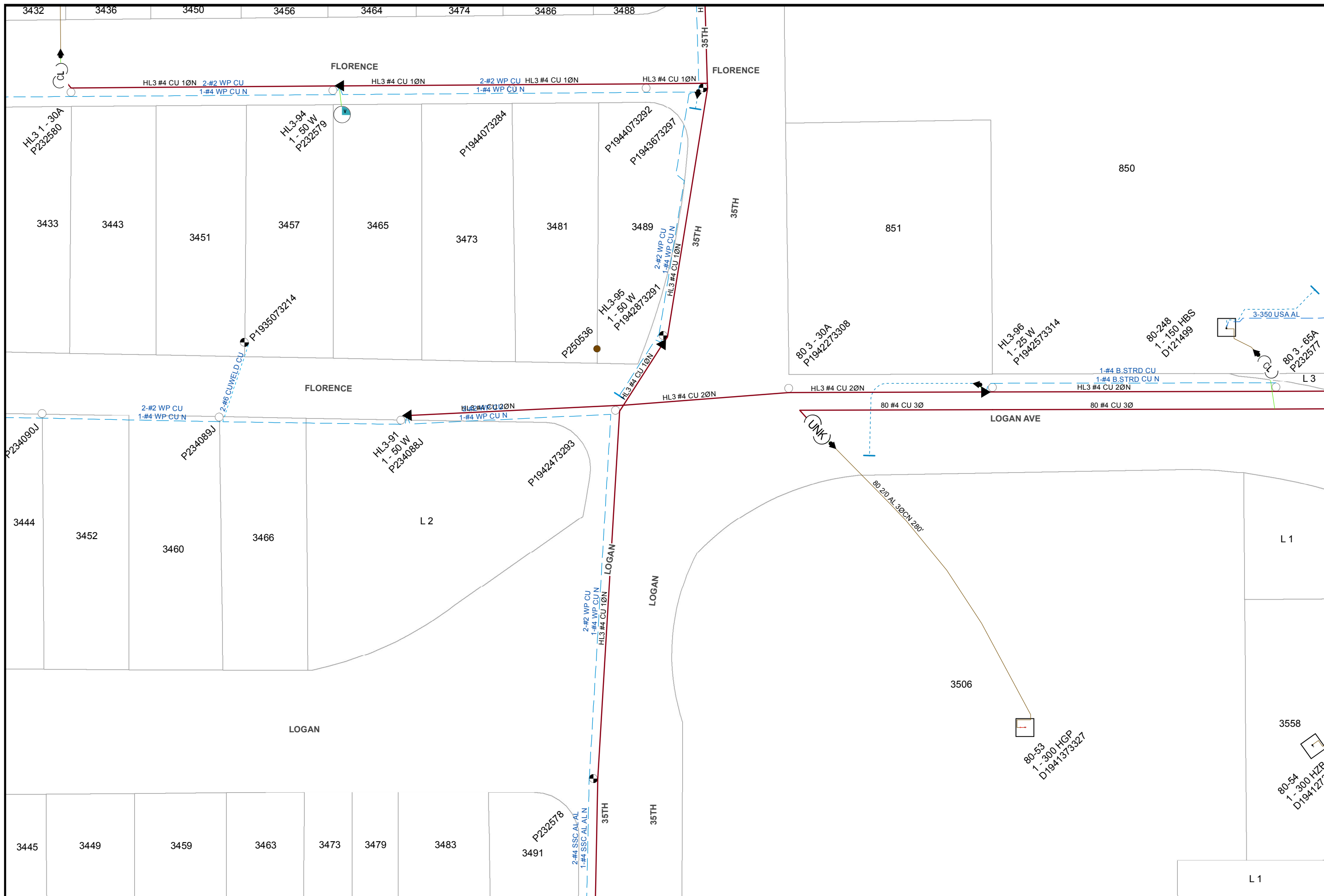
Map Number: 16027-118715
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq, and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDG&E
 Sempra Energy utility

16020-118715

16035-118715



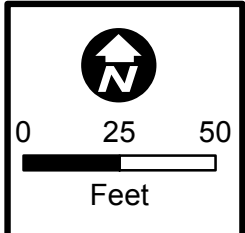
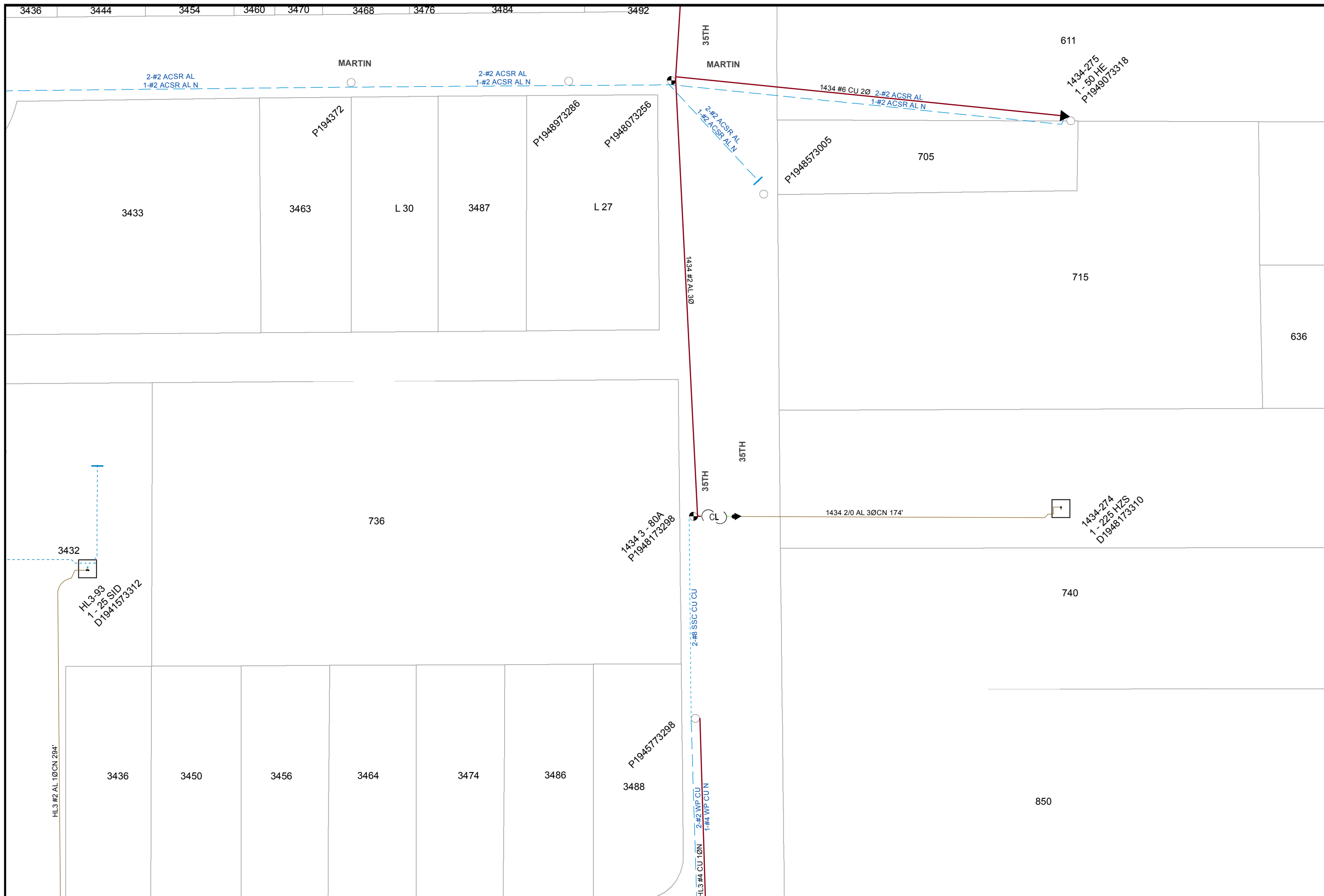
Map Number: 16035-118690
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

16027-118690

16042-118690

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. "Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.

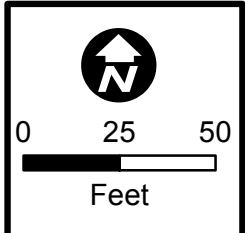
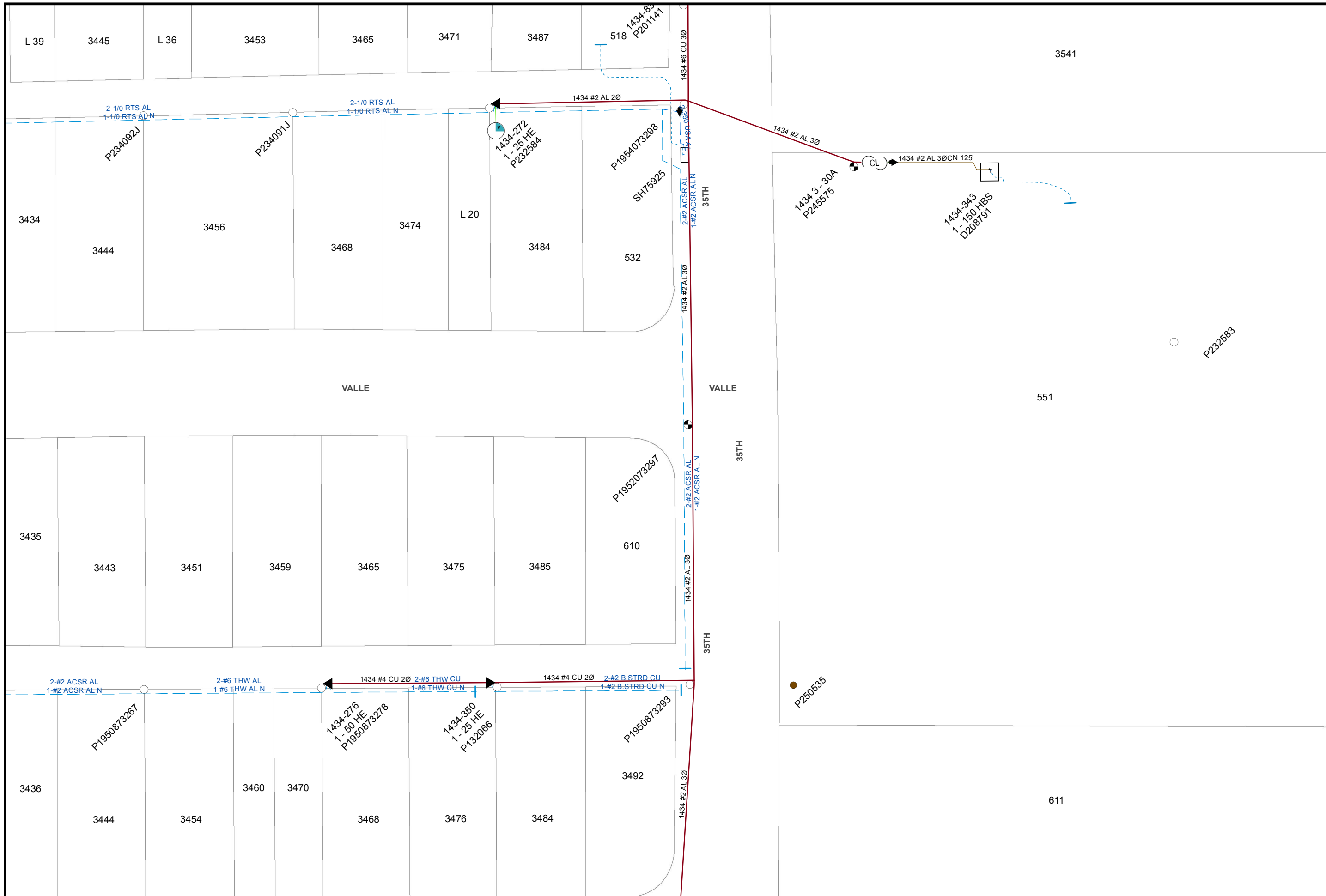
SDG&E
Sempra Energy utility



Map Number: 16035-118695
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved. Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.





Map Number: 16035-118700
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

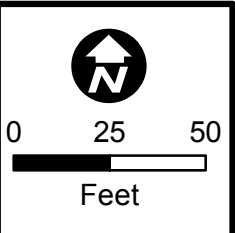
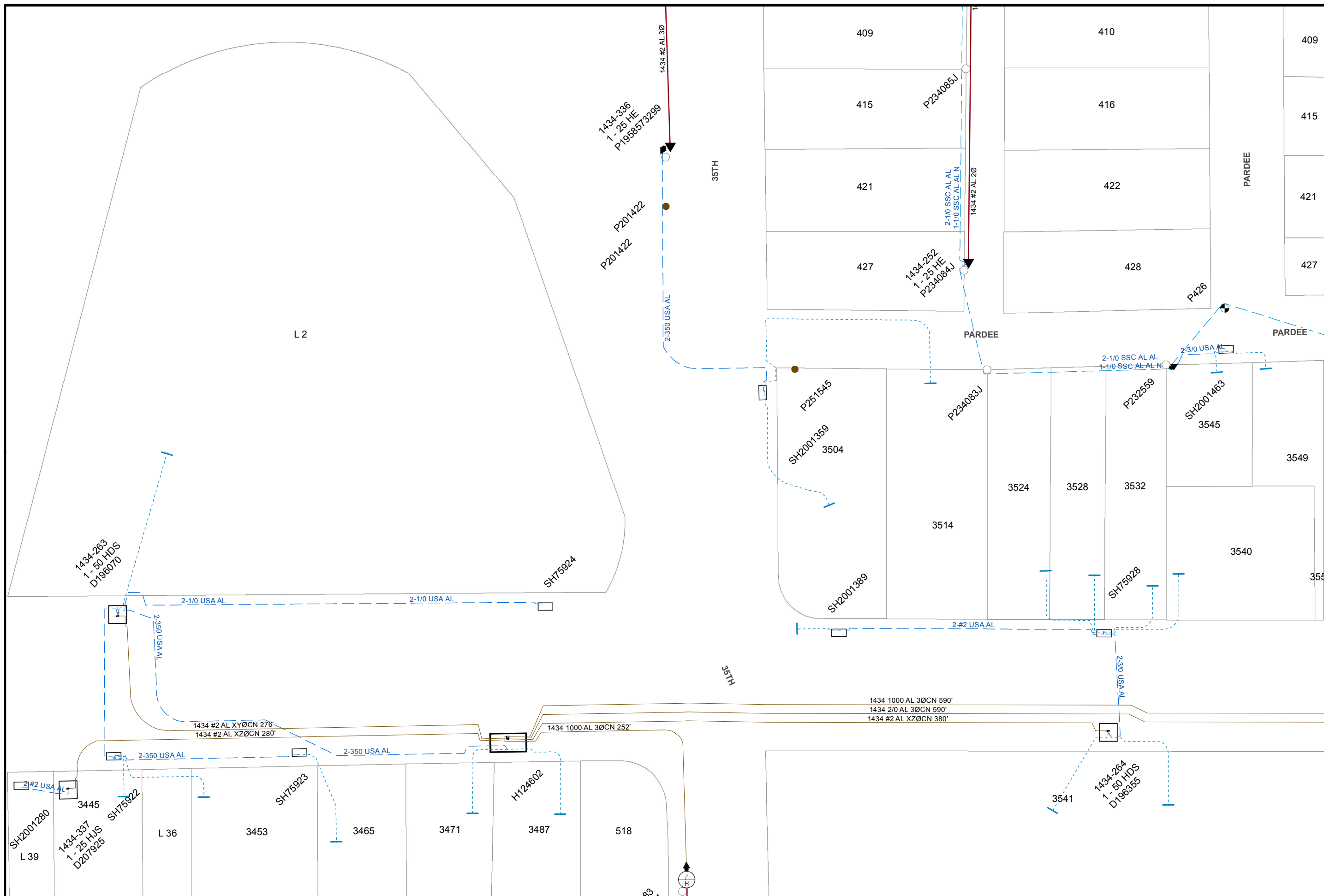
CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16027-118700

16042-118700

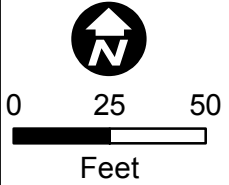
16027-118705



Map Number: 16035-118705
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.

16042-118705



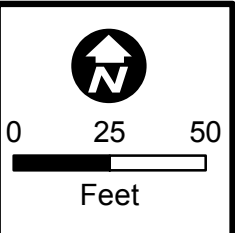
Map Number: 16035-118710
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16027-118710

16042-118710



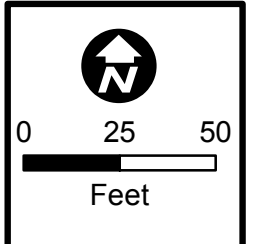
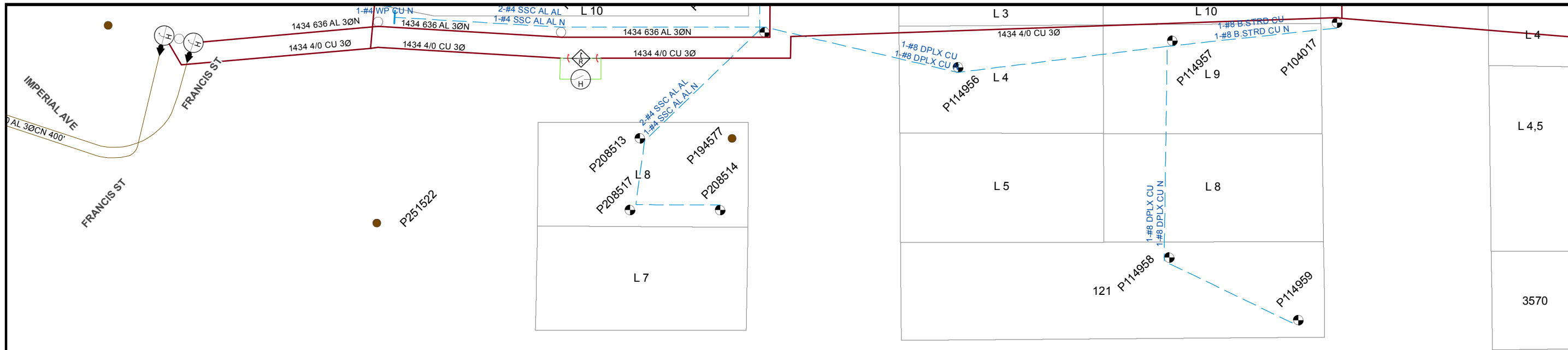
Map Number: 16035-118715
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved. Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.

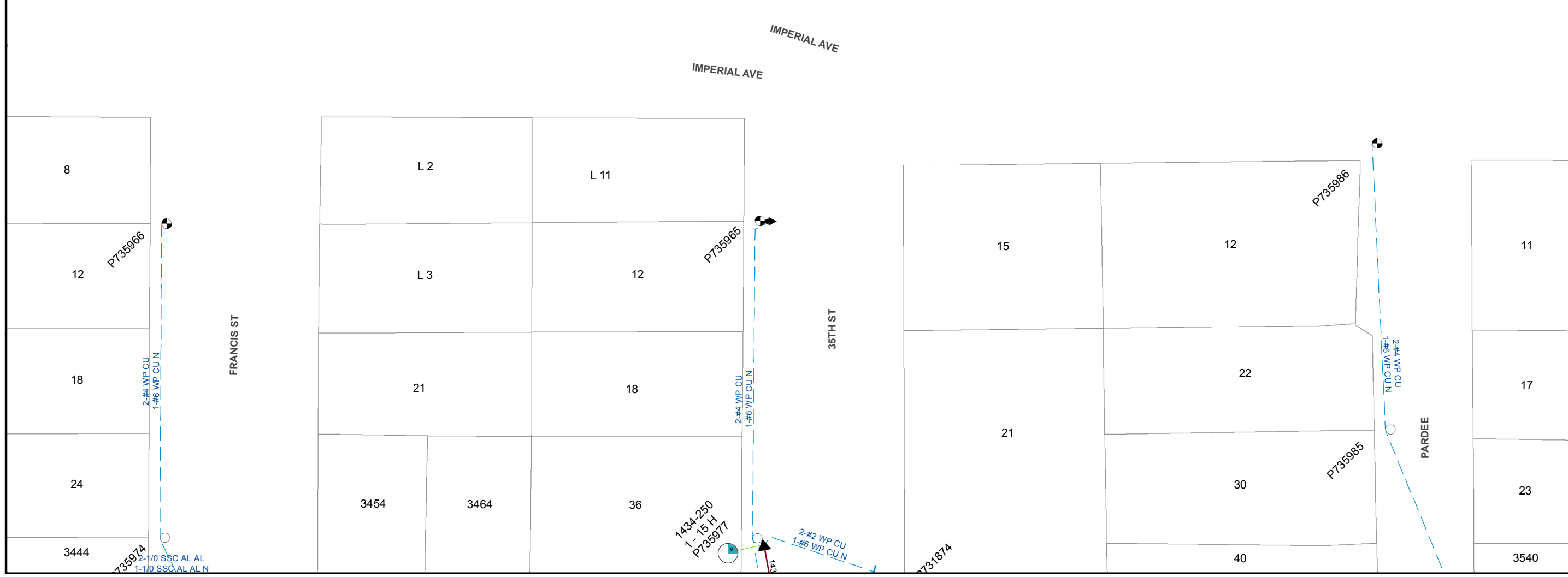


16027-118715

16042-118715



Map Number: 16035-118720
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016



16027-118720

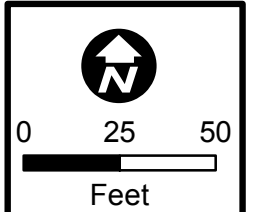
16042-118720

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDGE
Semptra Energy utility



16027-118725

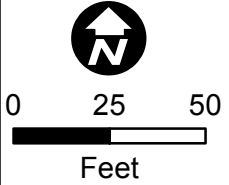
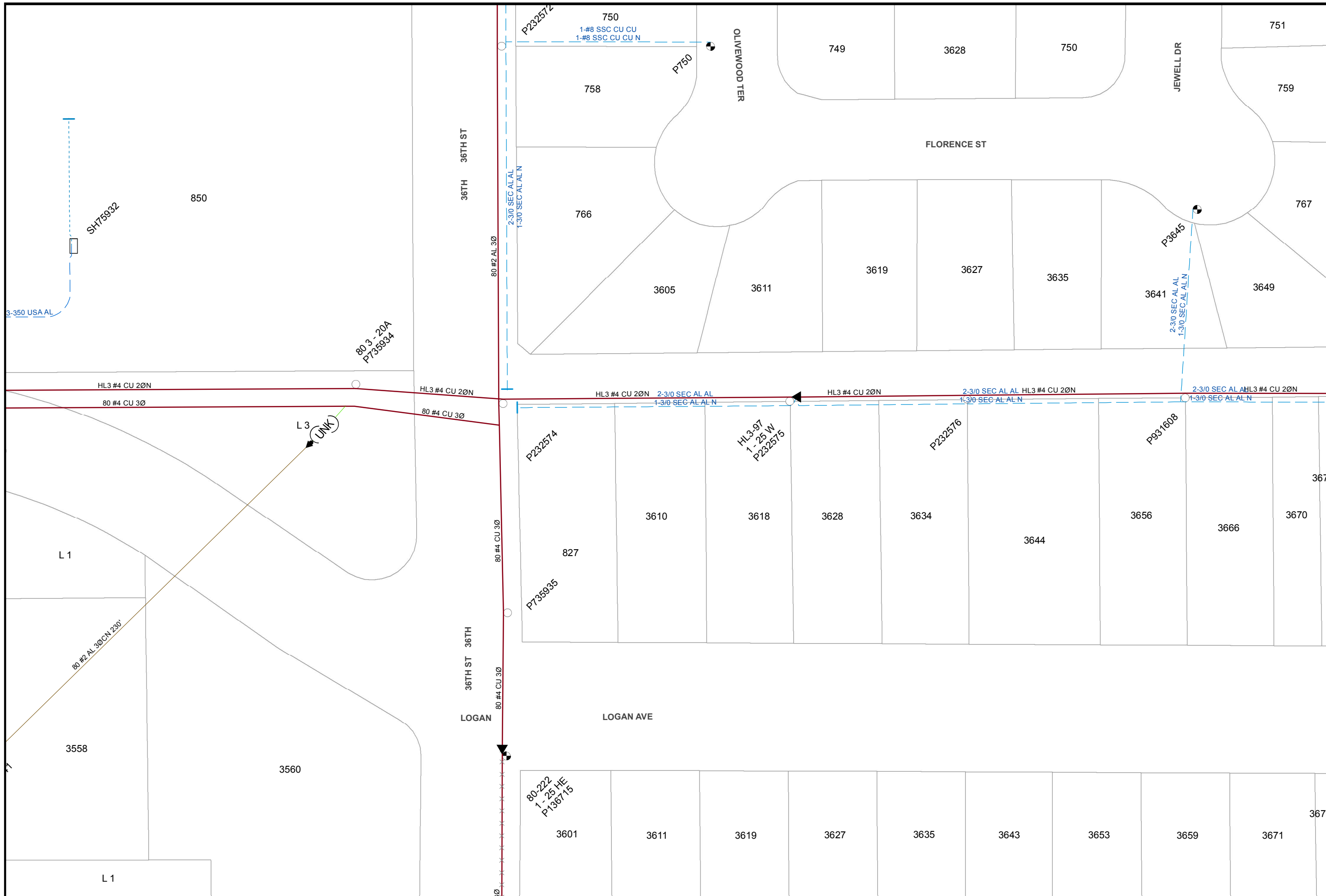


Map Number: 16035-118725
 Map Type: Electric Asset Map
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. "Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.

SDGE
 A Sempra Energy utility

16042-118725

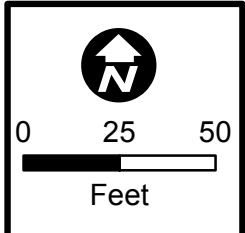
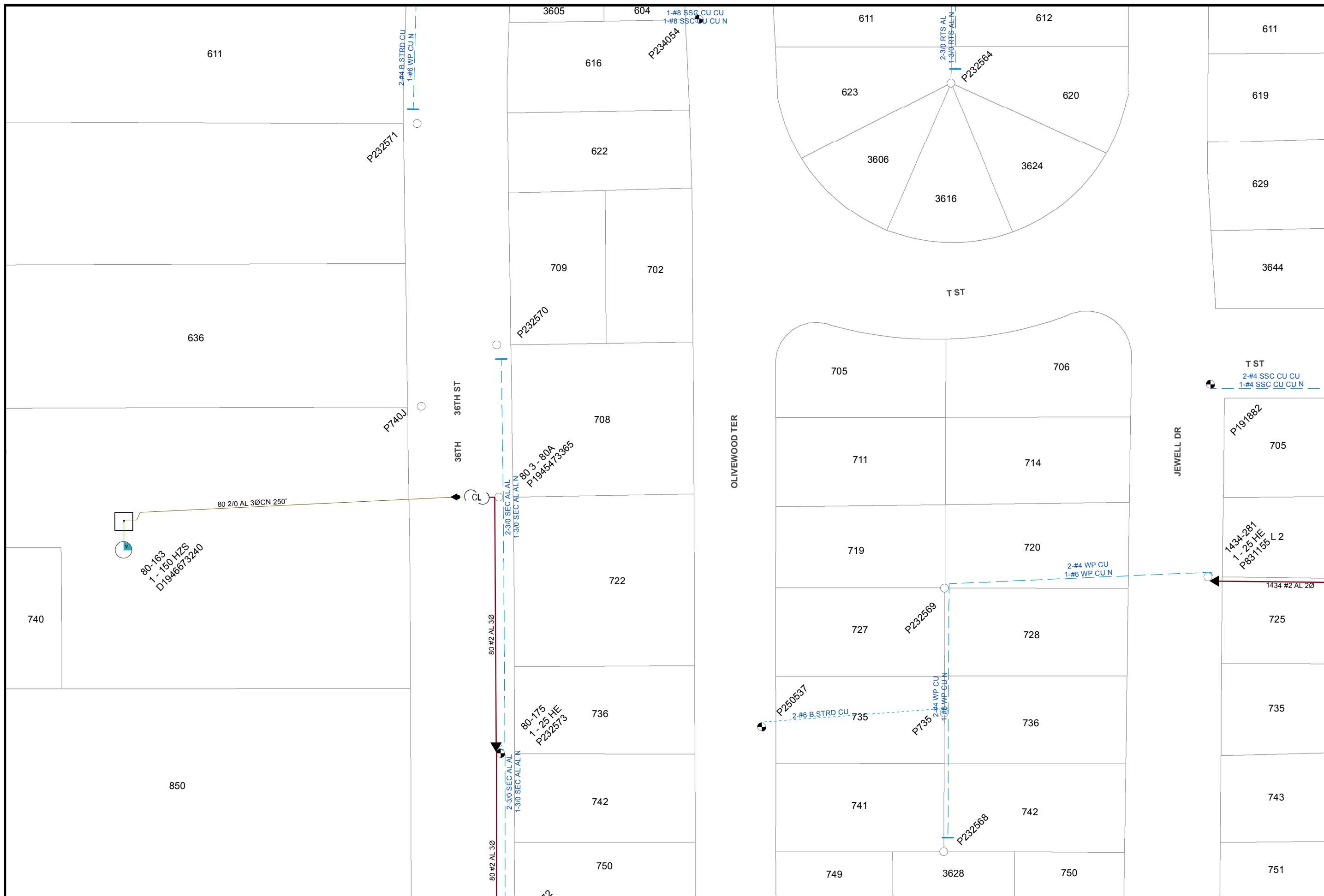


Map Number: 16042-118690
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16050-118690



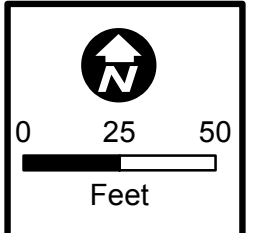
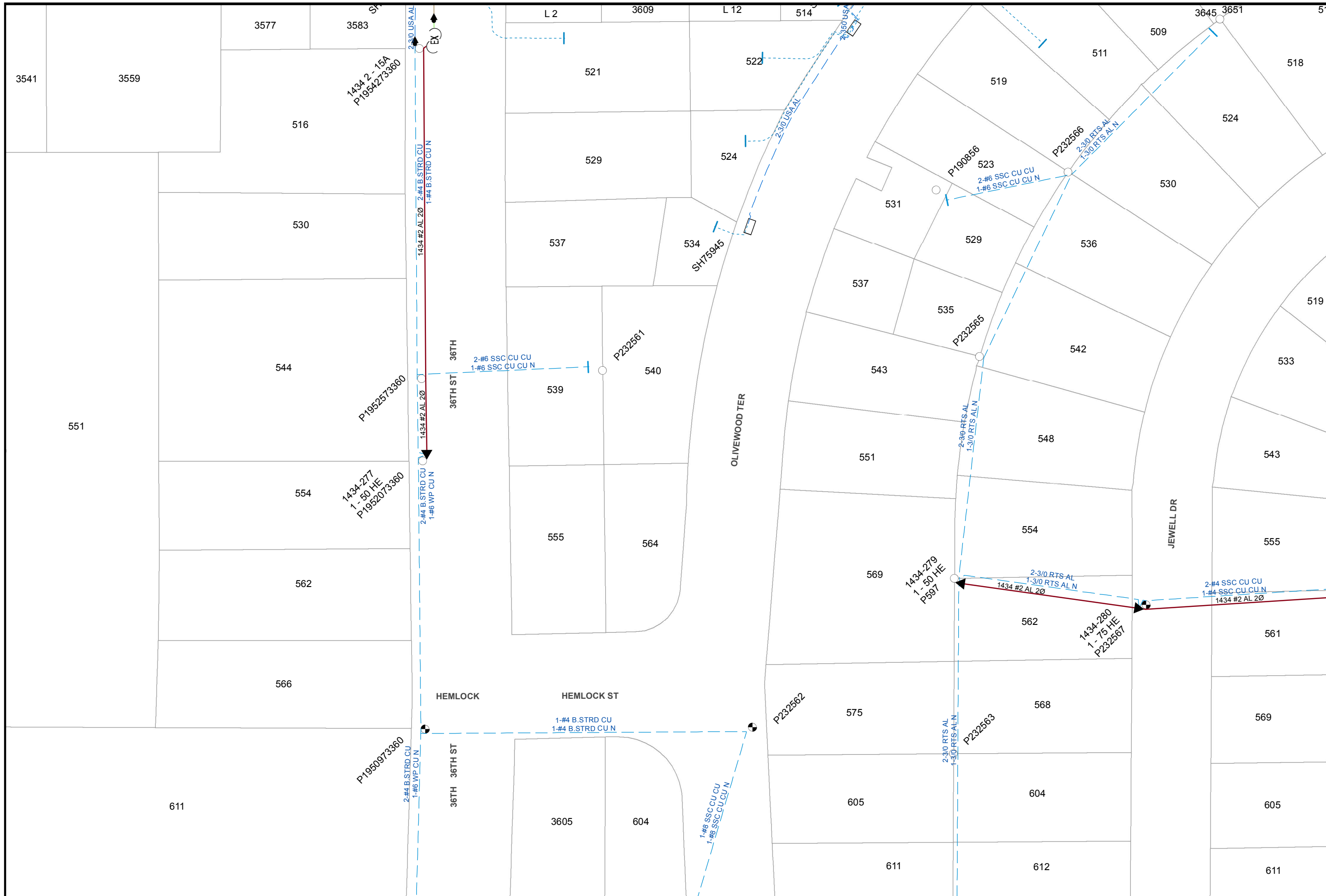
Map Number: 16042-118695
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

16050-118695

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDGE
 Sempra Energy utility

16035-118700

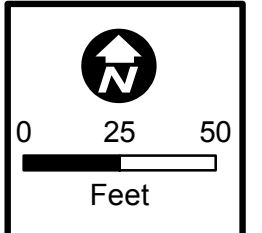
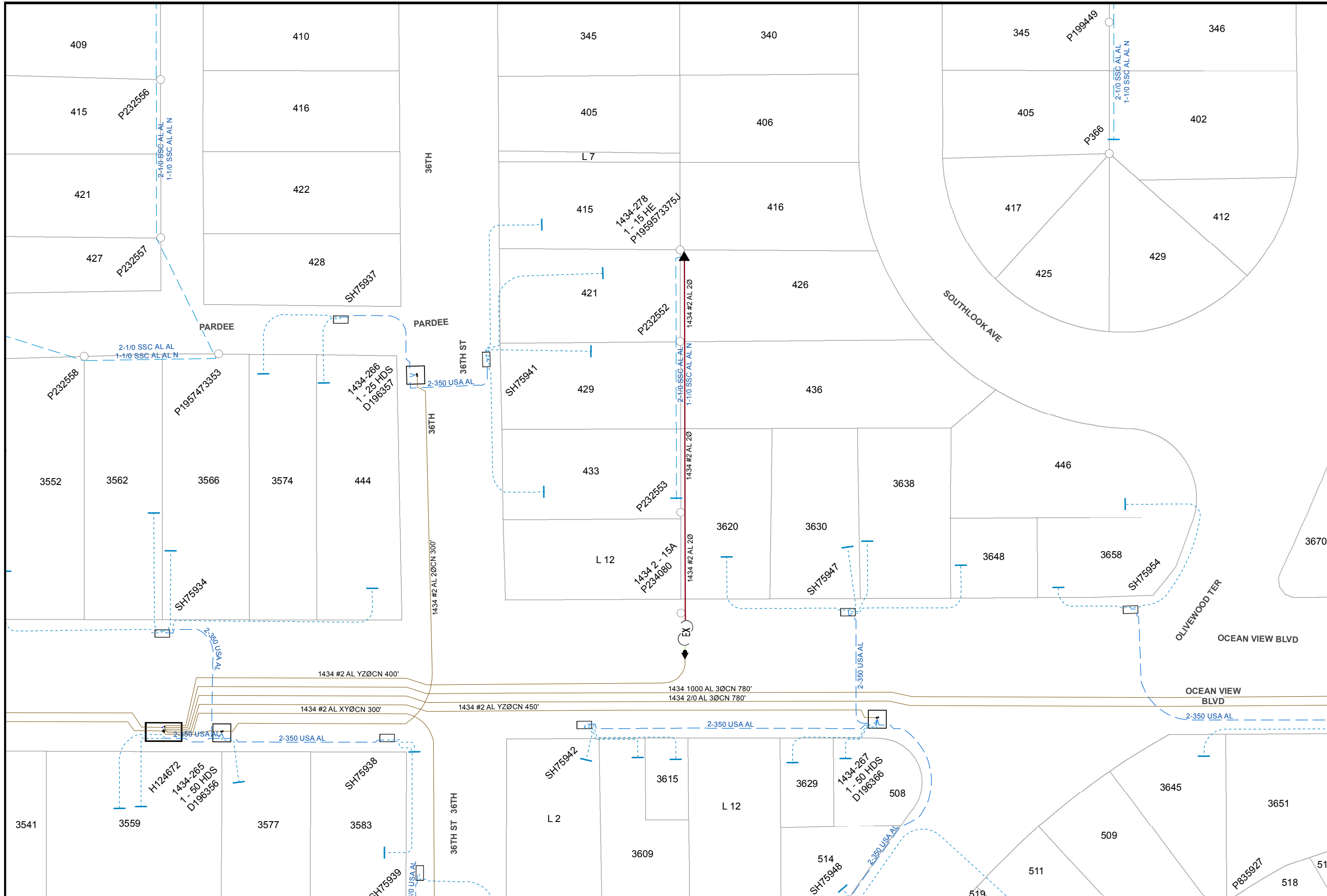


Map Number: 16042-118700
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq, and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. "Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16050-118700



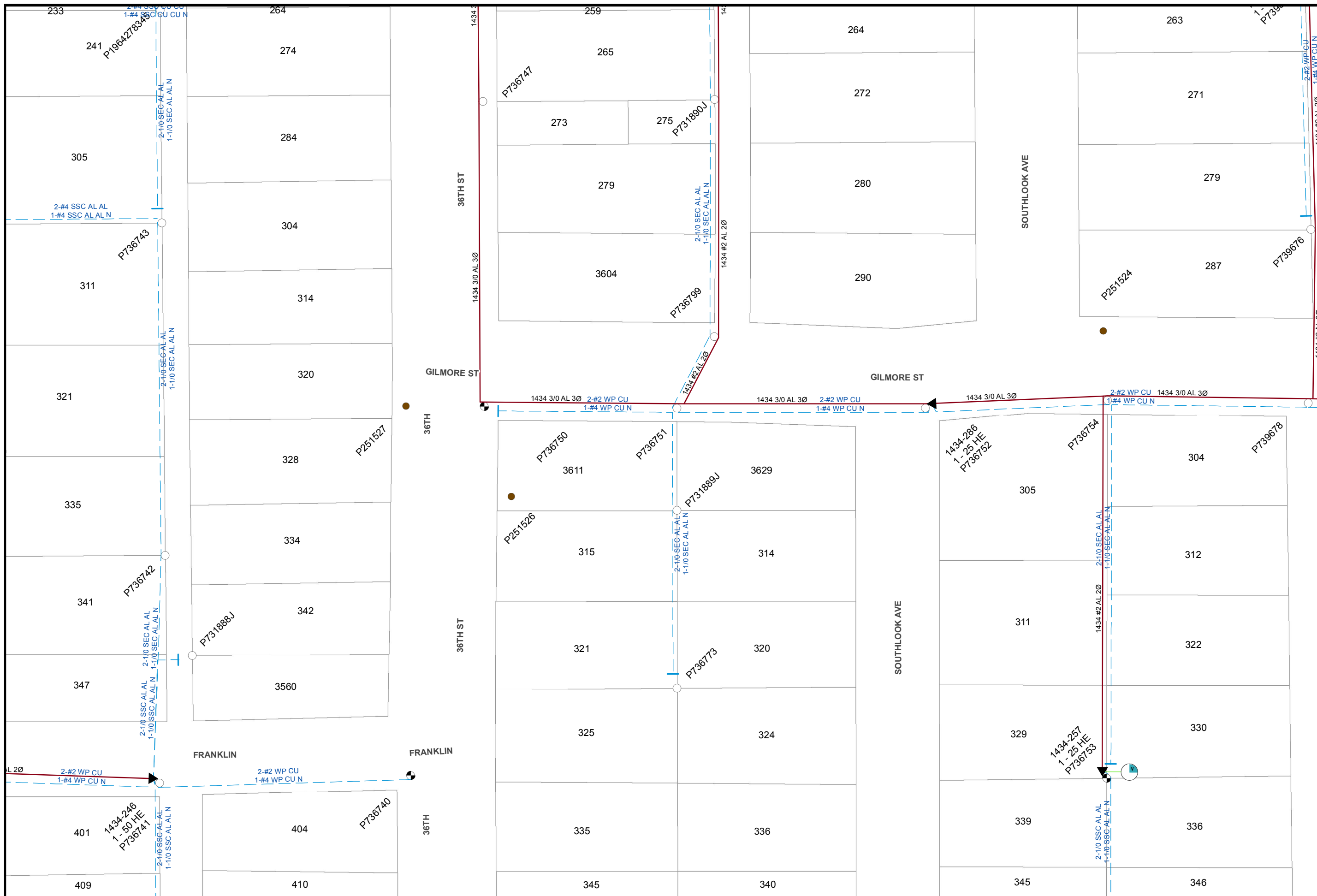
Map Number: 16042-118705
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16035-118705

16050-118705



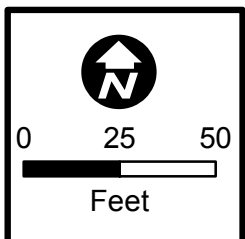
Map Number: 16042-118710
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDG&E
 Sempra Energy utility

16035-118710

16050-118710



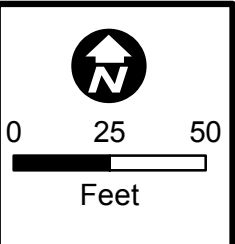
Map Number: 16042-118715
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16035-118715

16050-118715



Map Number: 16042-118720
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

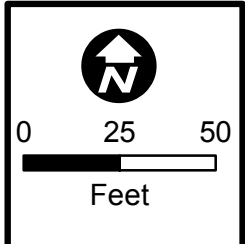
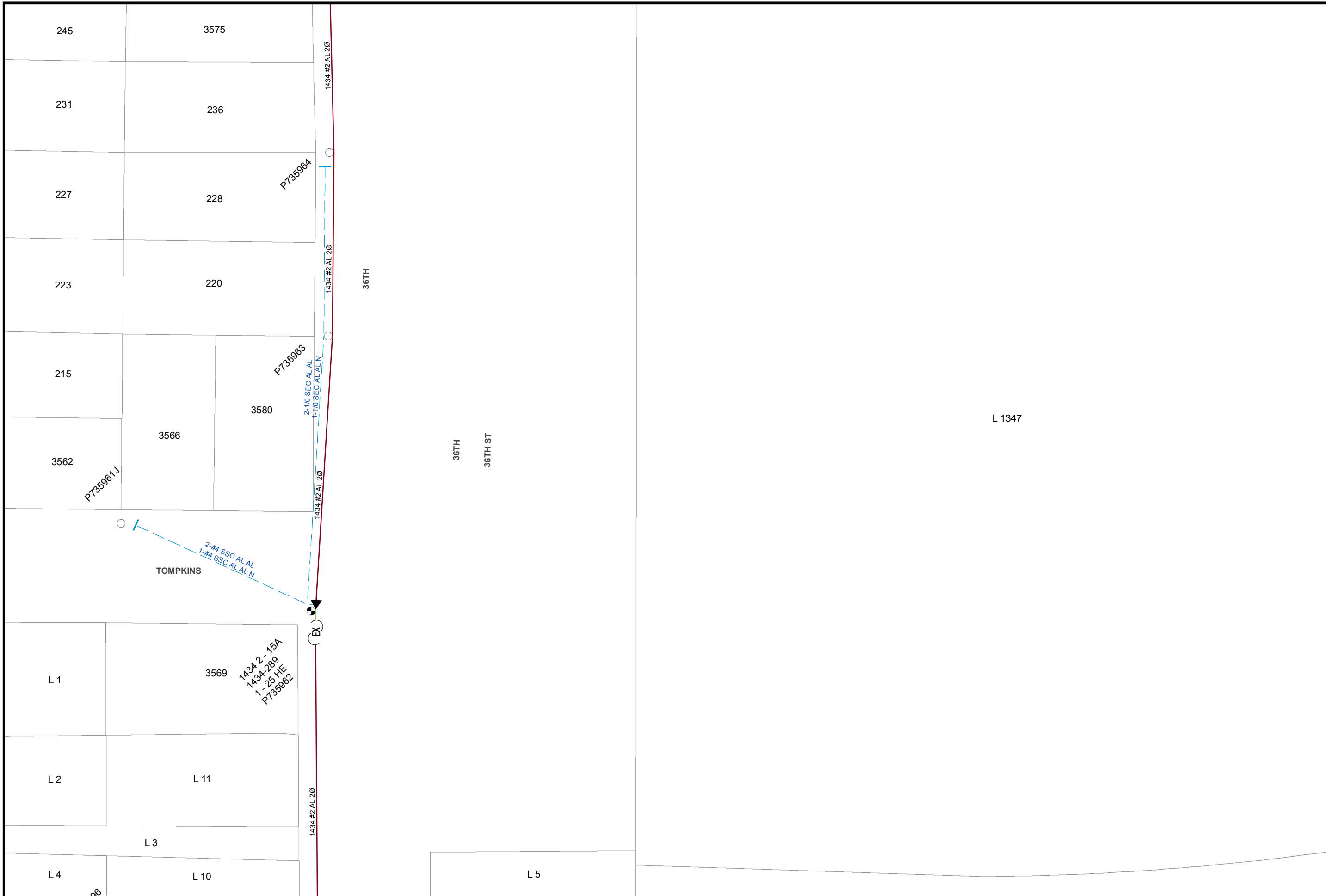
CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq, and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16035-118720

16050-118720

16035-118725

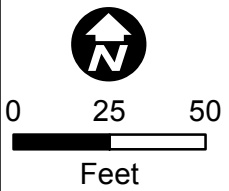
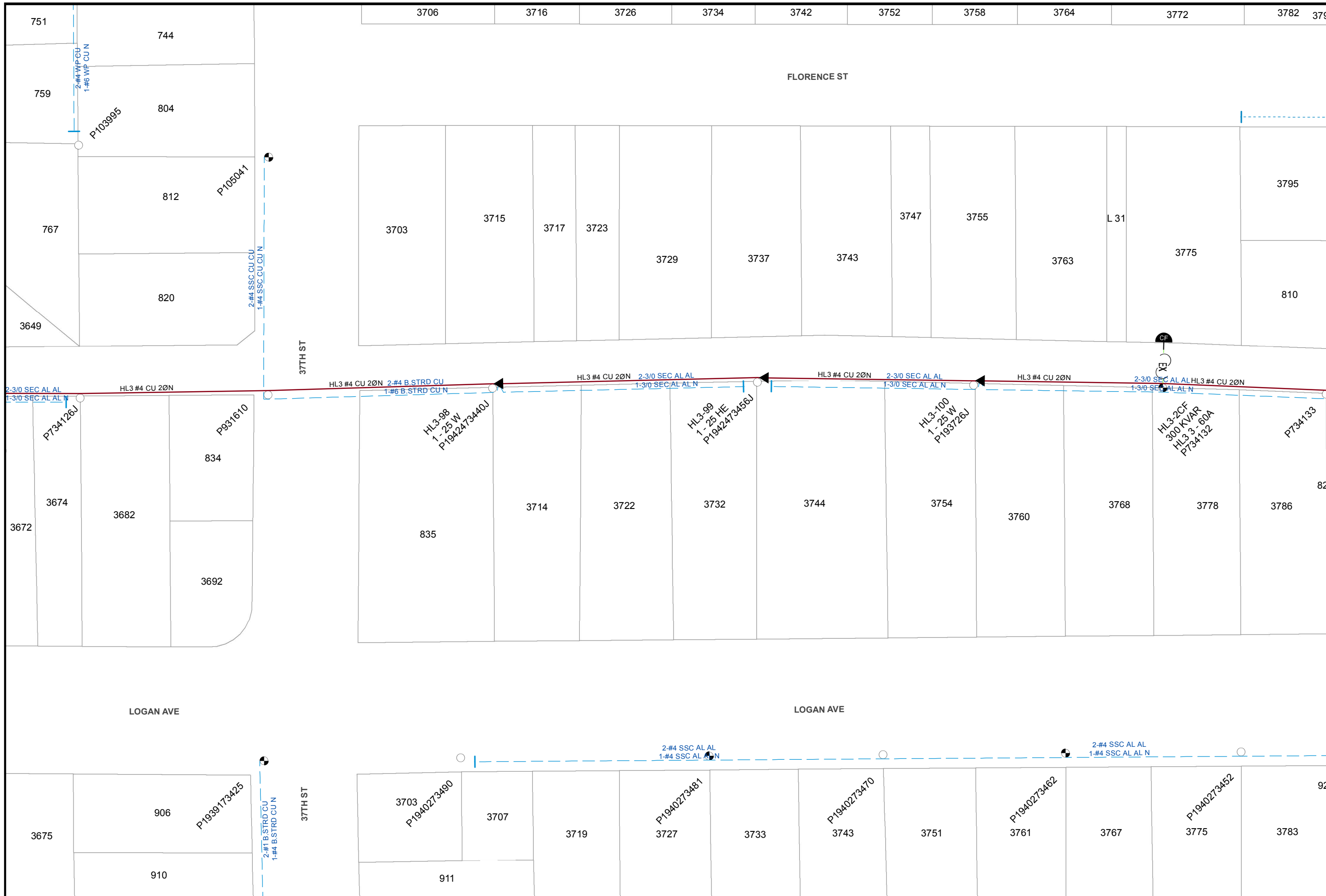


Map Number: 16042-118725
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDGE
A Sempra Energy utility

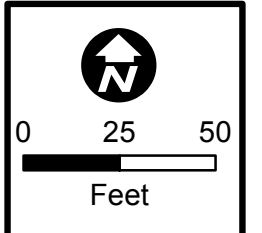
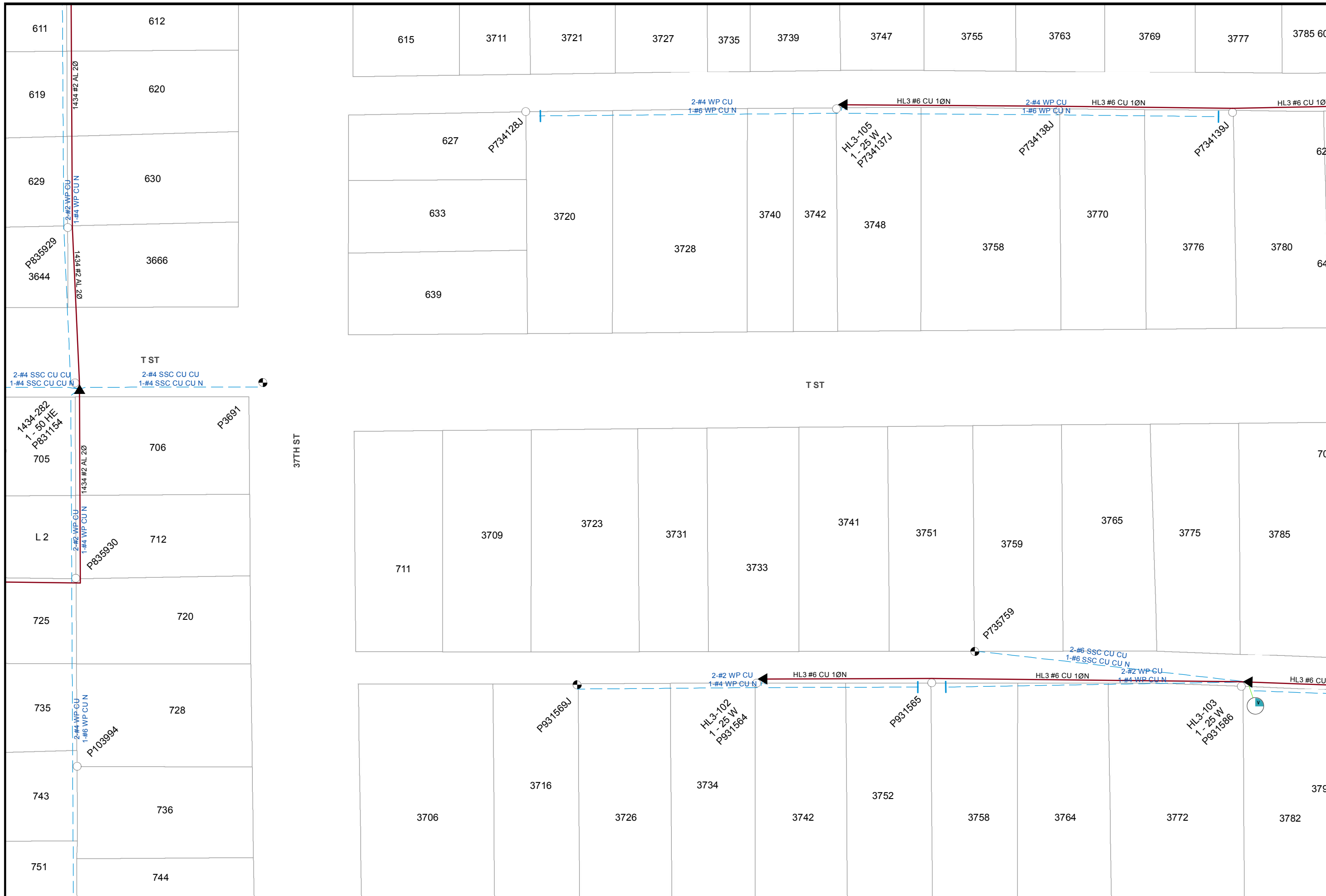
16050-118725



Map Number: 16050-118690
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.





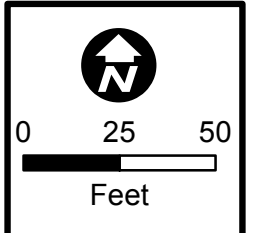
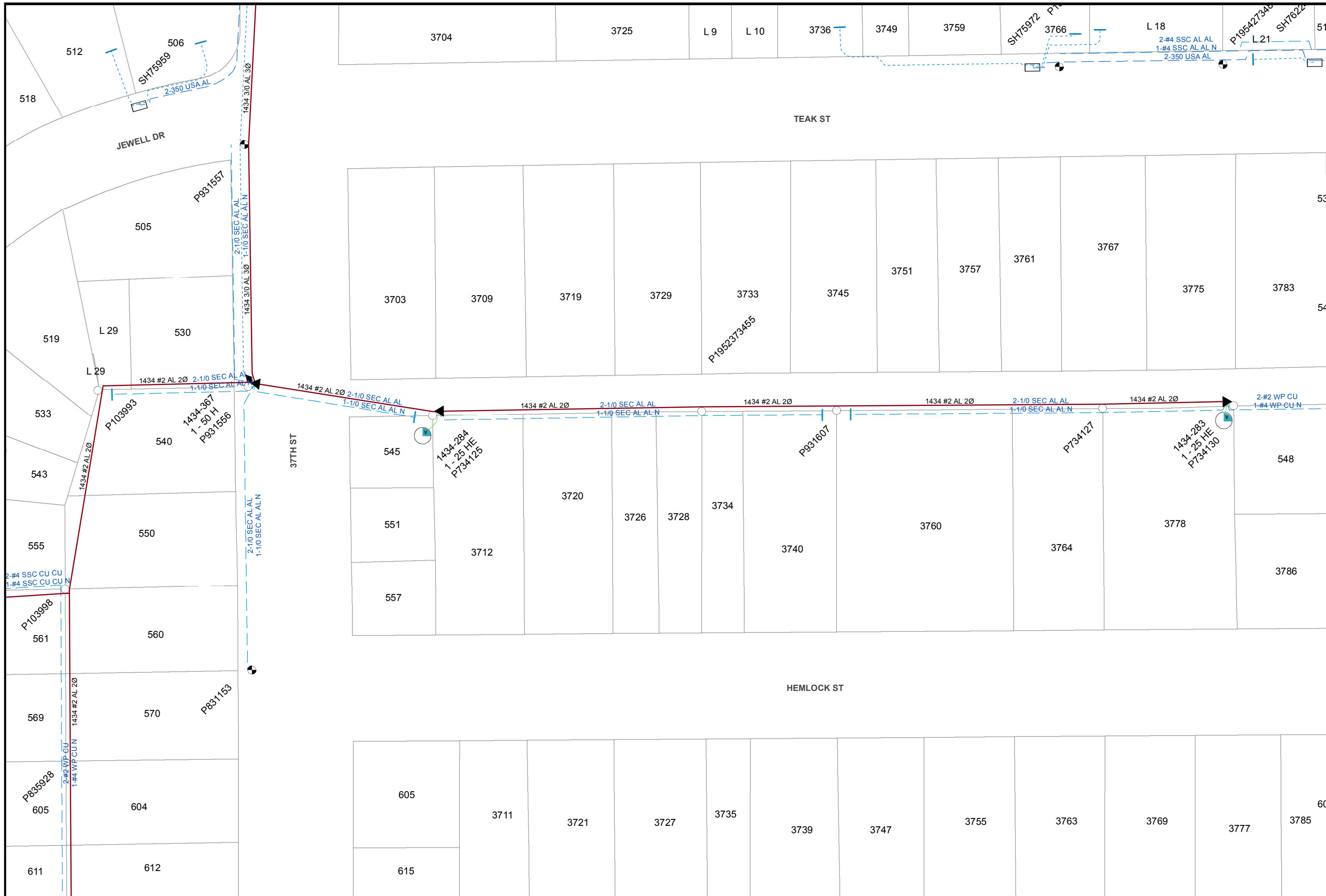
Map Number: 16050-118695
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16042-118695

16057-118695



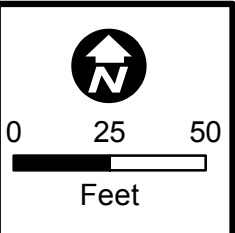
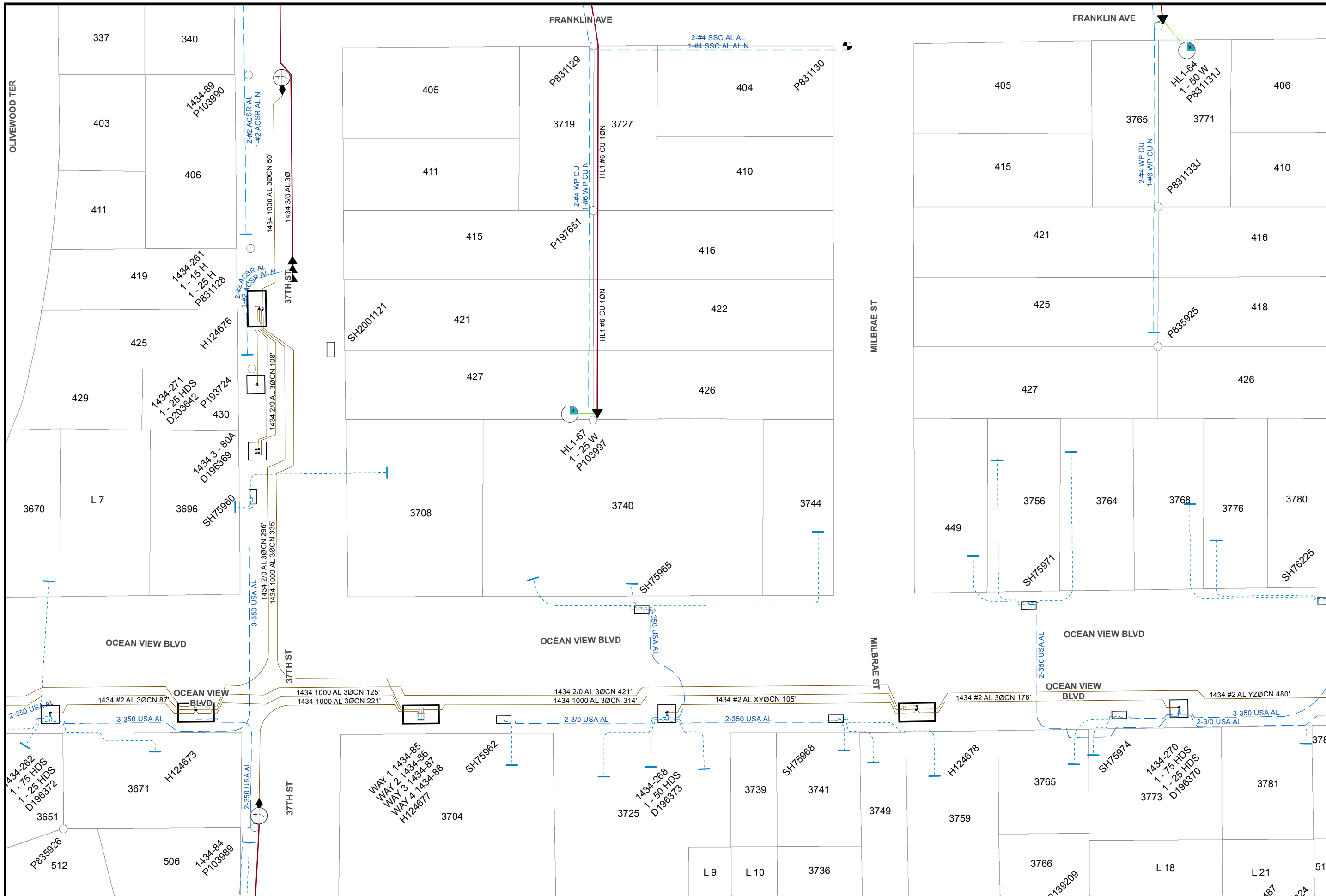
Map Number: 16050-118700
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16042-118700

16057-118700

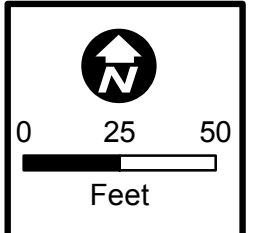
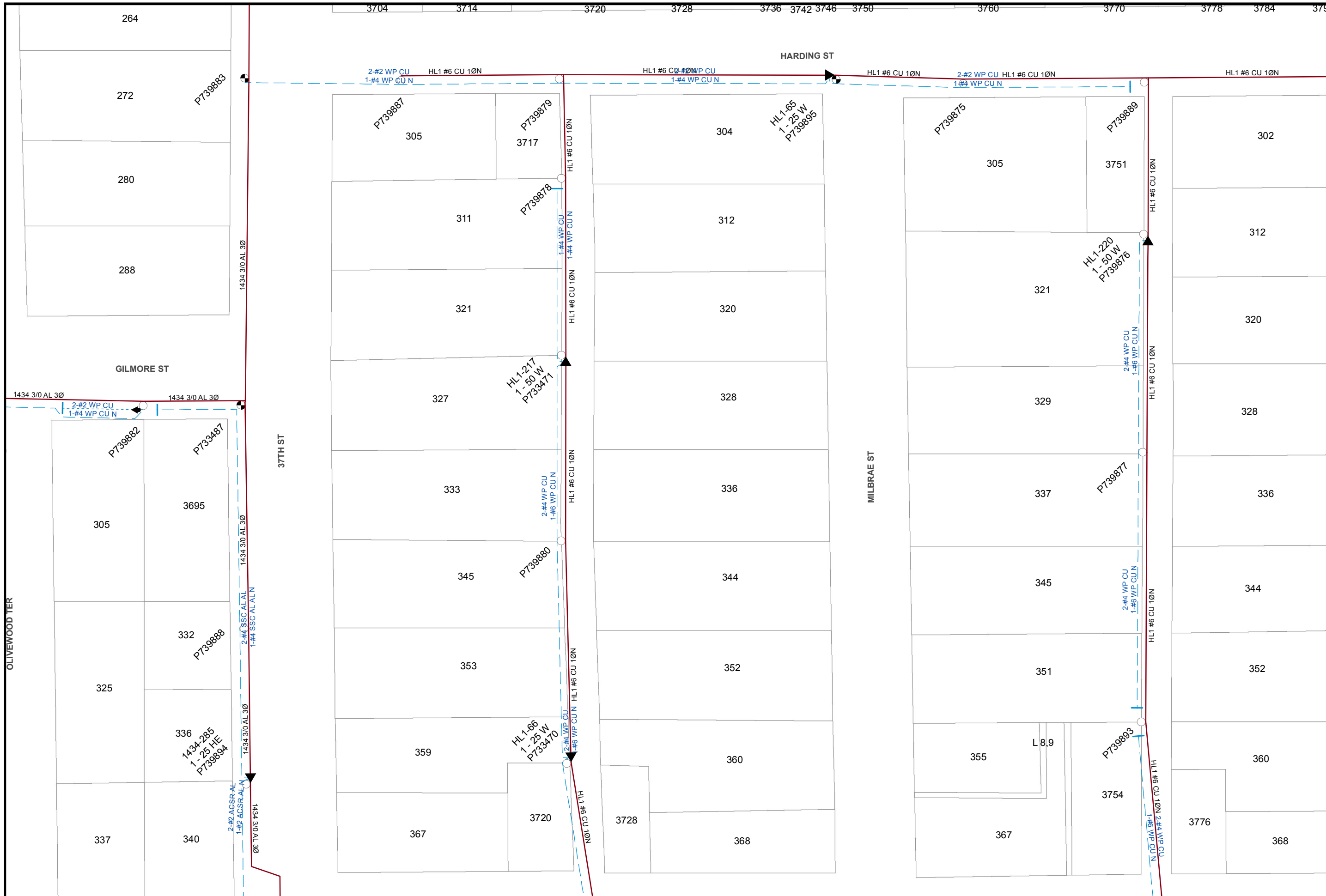


Map Number: 16050-118705
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.

16042-118705

16057-118705



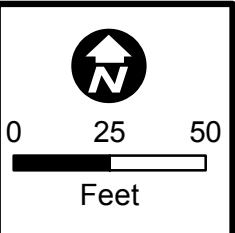
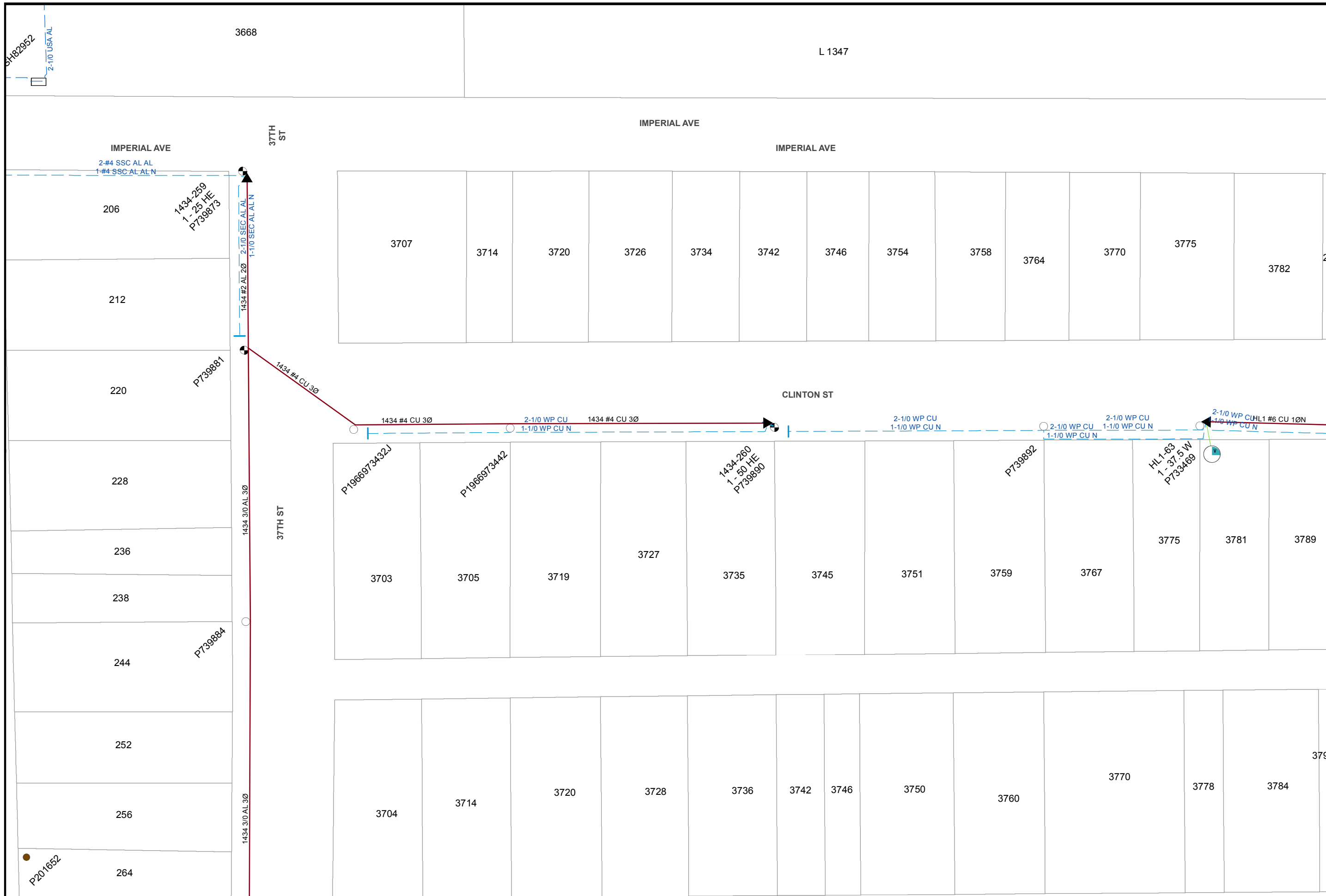
Map Number: 16050-118710
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16042-118710

16057-118710



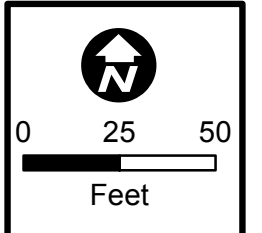
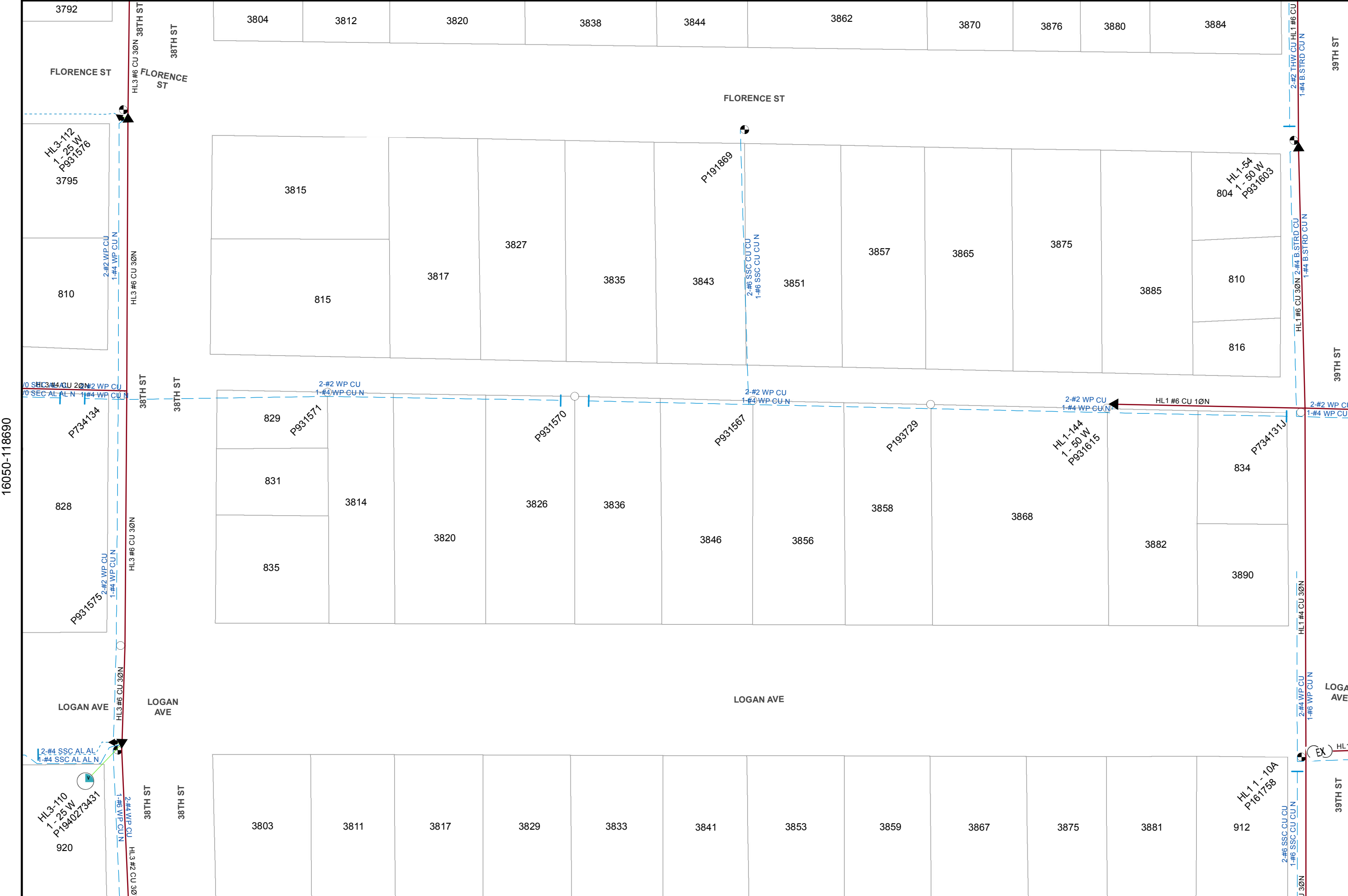
Map Number: 16050-118715
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDG&E
 Sempra Energy utility

16042-118715

16057-118715



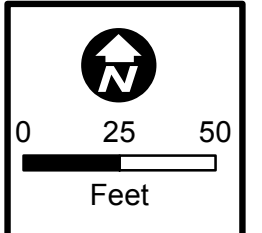
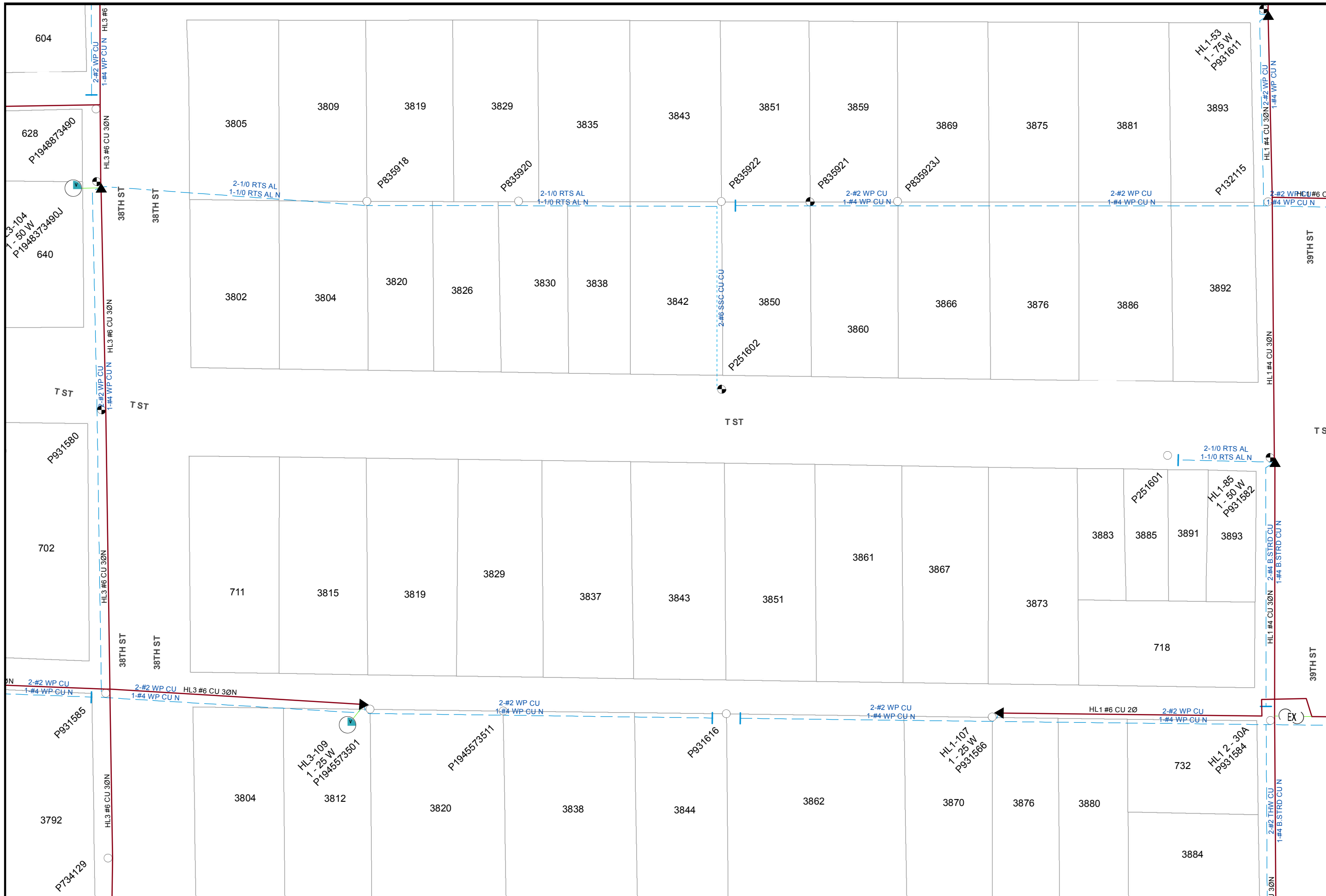
Map Number: 16057-118690
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. "Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.

16050-118690

16065-118690

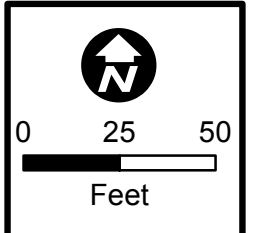
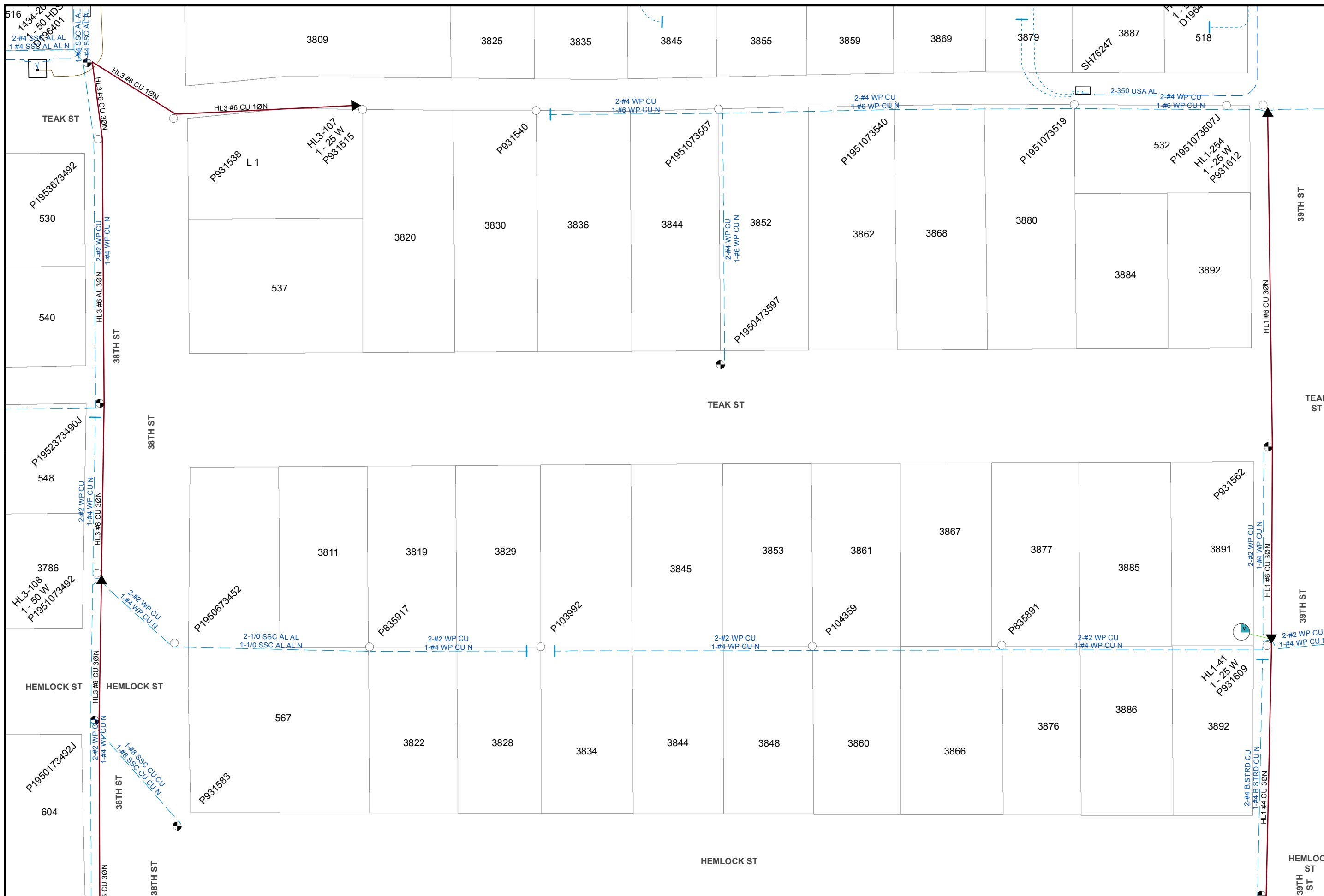




Map Number: 16057-118695
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq, and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. "Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.

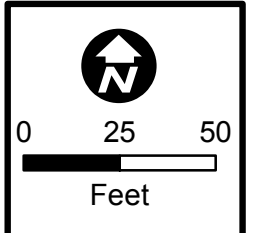
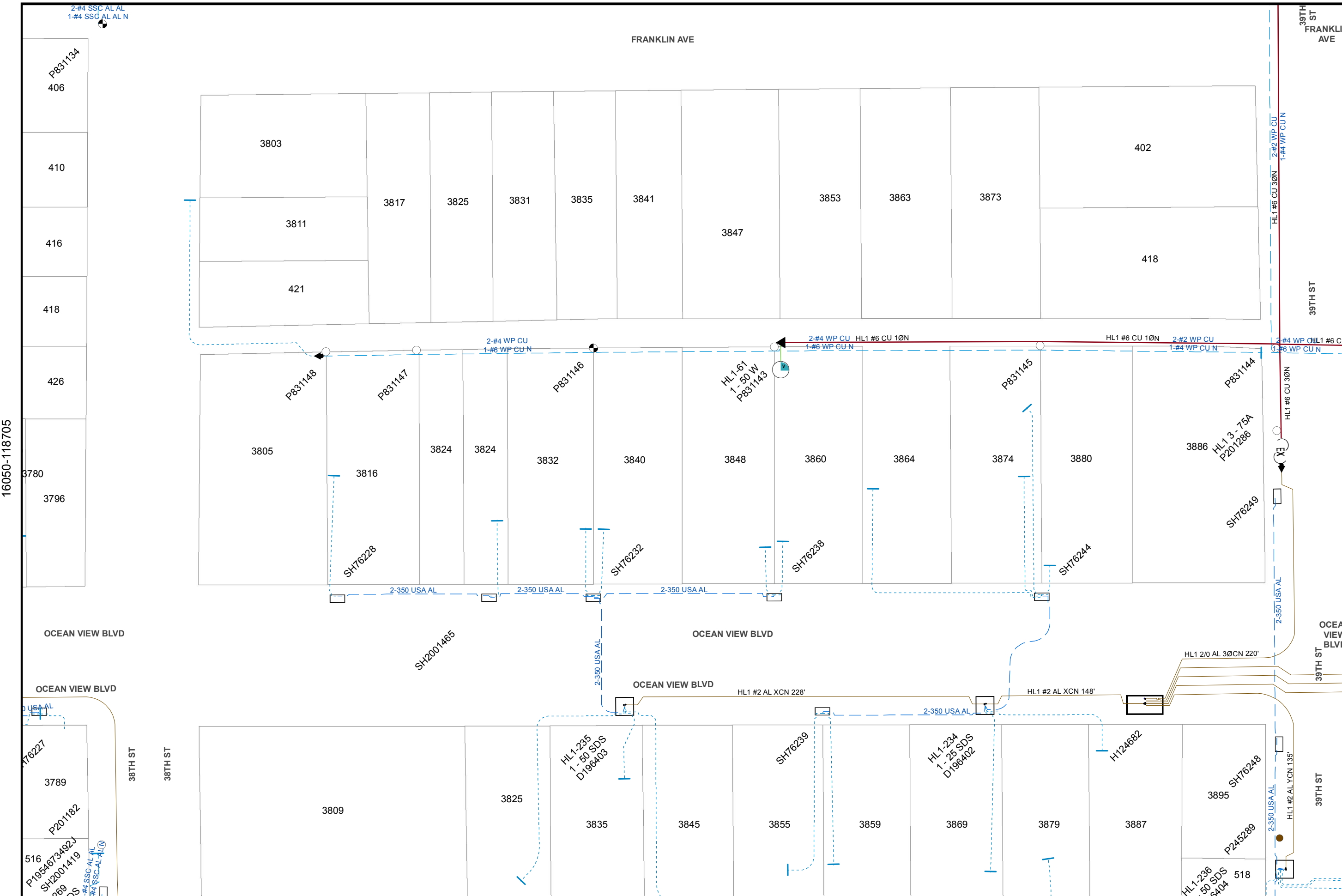




Map Number: 16057-118700
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.





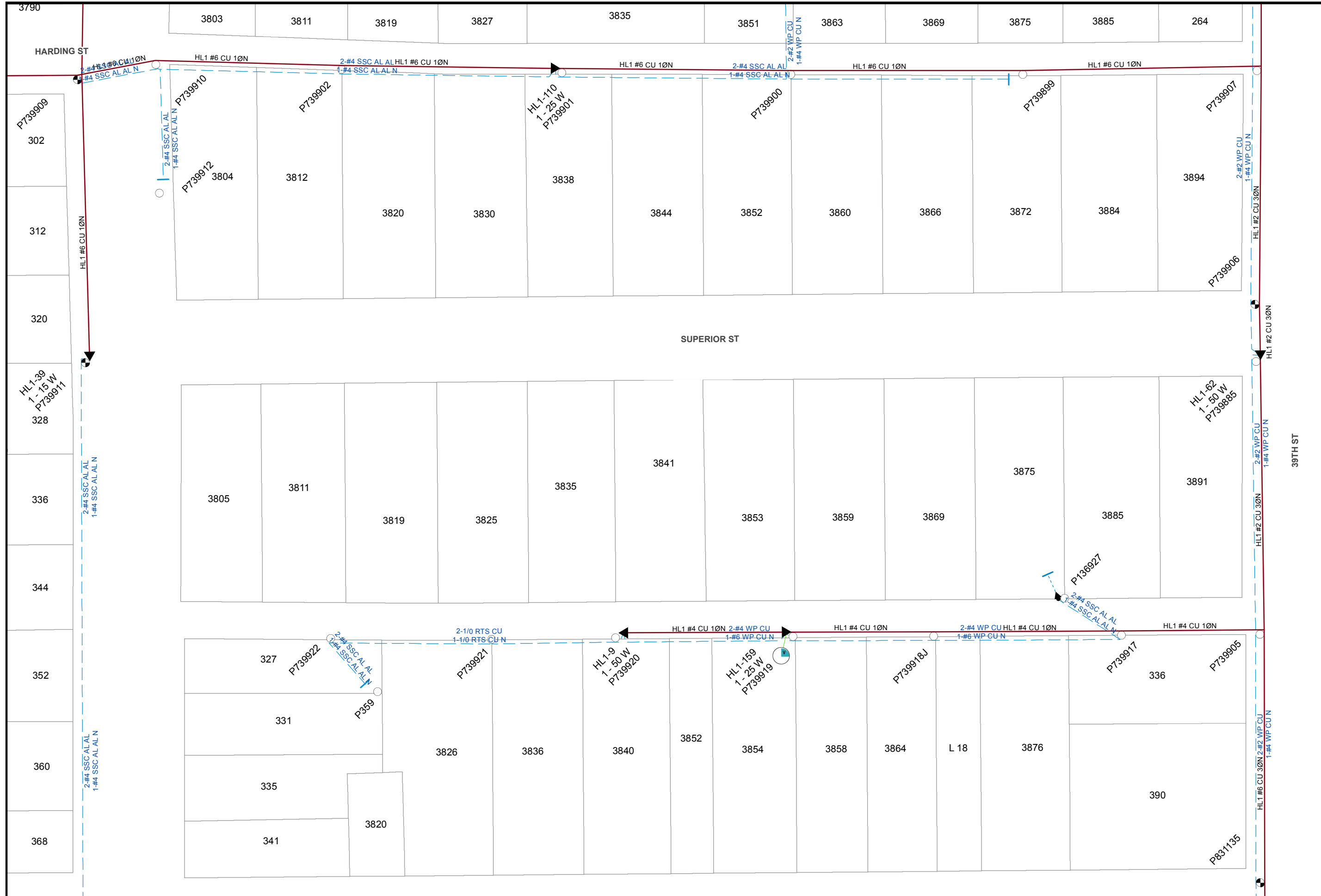
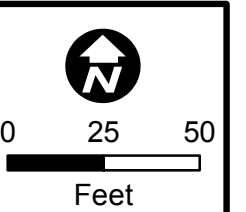
Map Number: 16057-118705
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDG&E
Semptra Energy utility

16050-118705

16055-118705



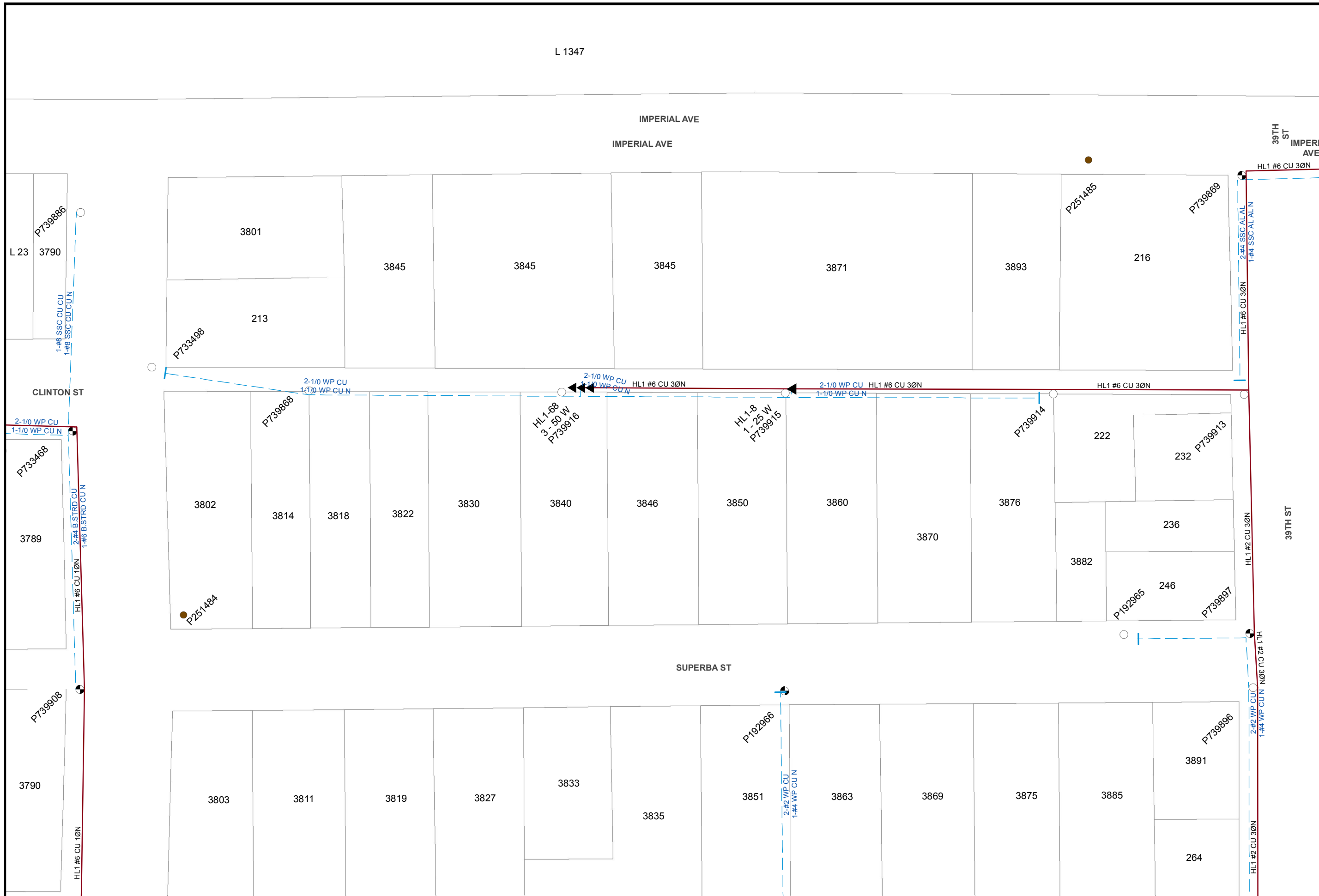
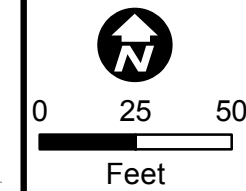
Map Number: 16057-118710
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq, and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE. and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16050-118710

L 1347



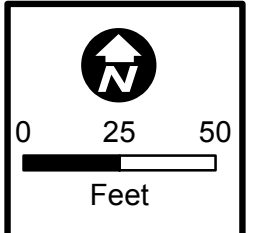
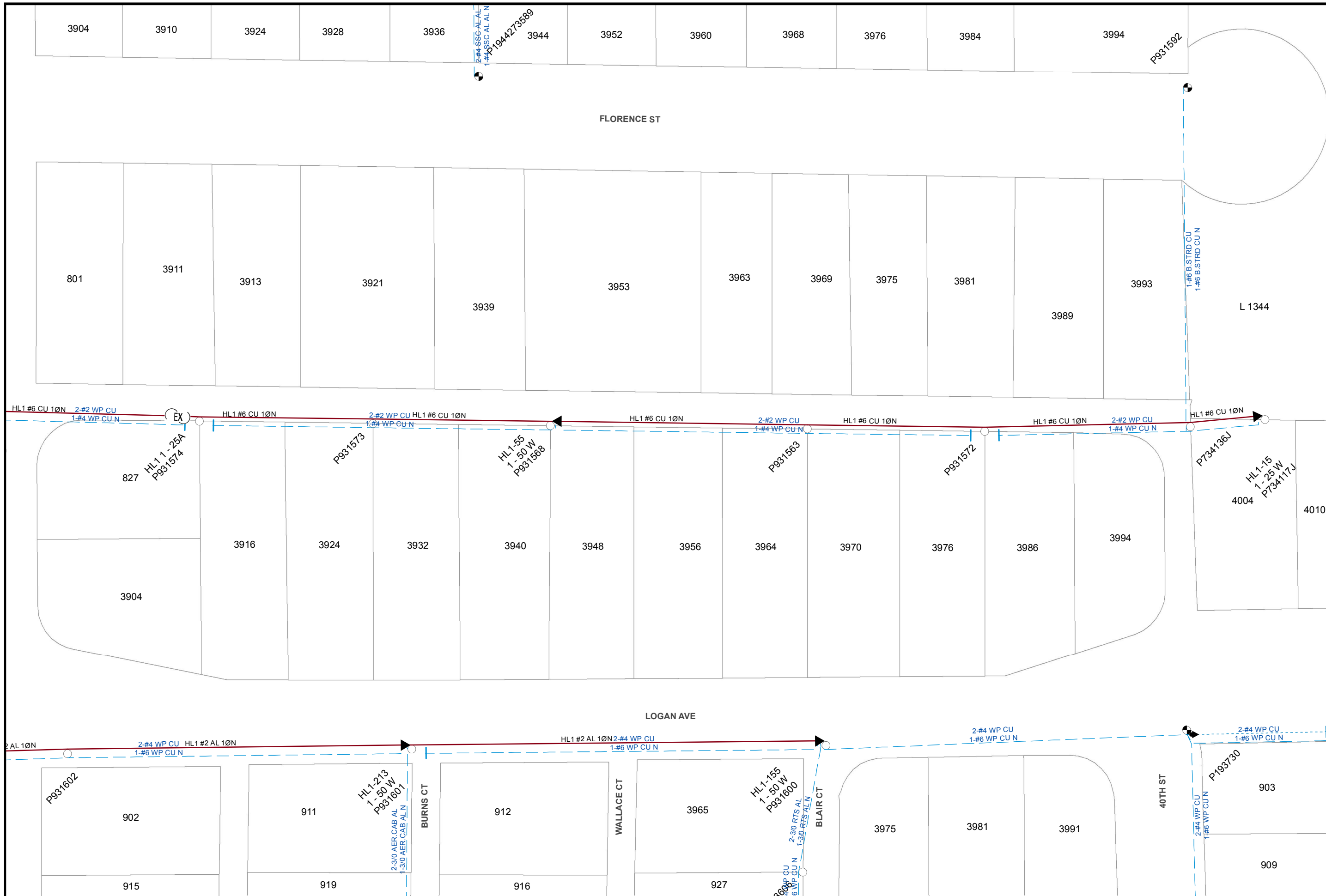
Map Number: 16057-118715
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16050-118715

16055-118715



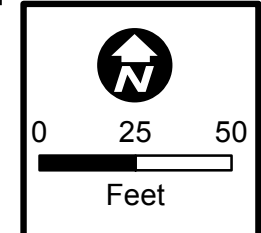
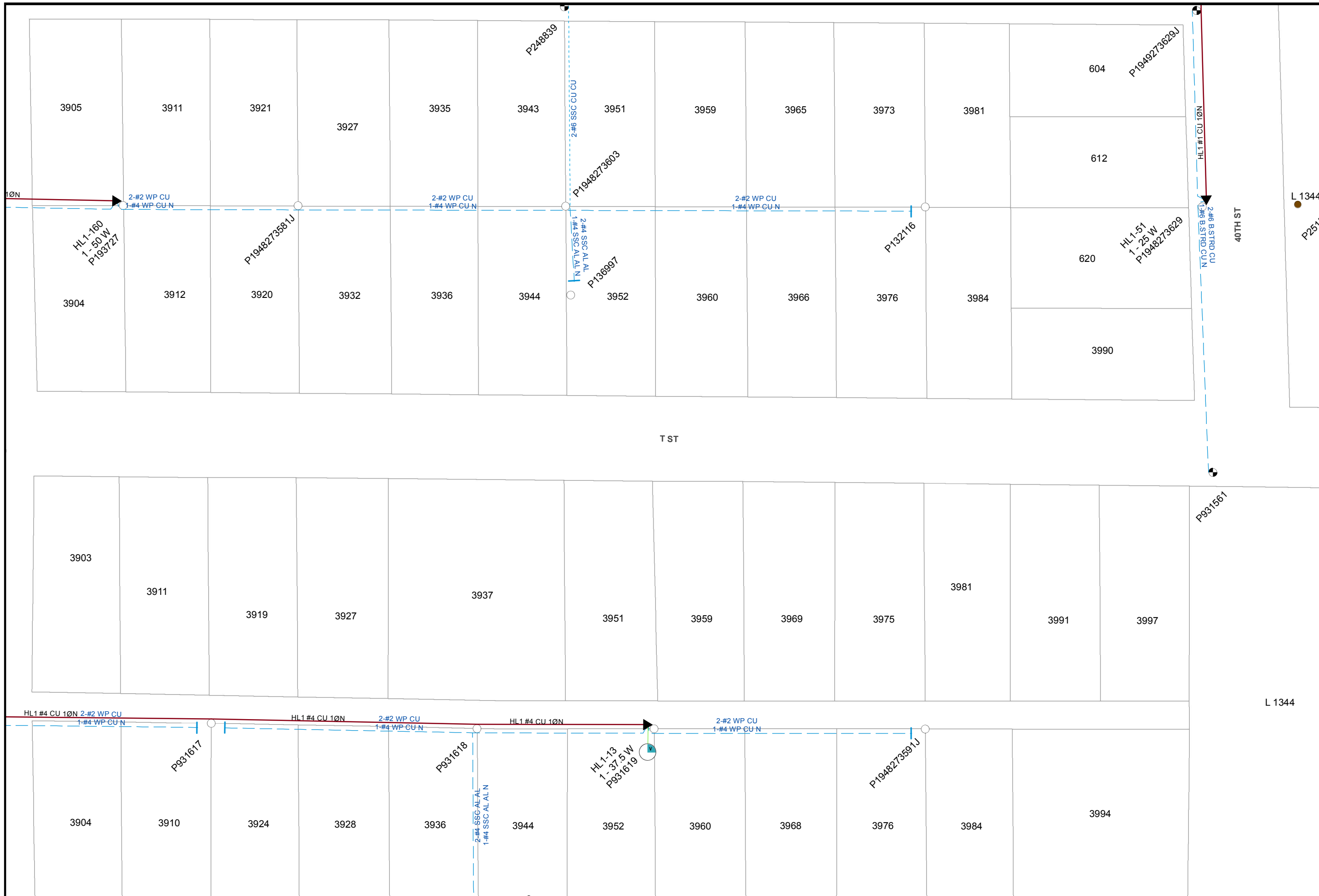
Map Number: 16065-118690
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq, and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. "Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.

16057-118690

16072-118690





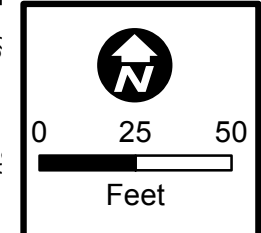
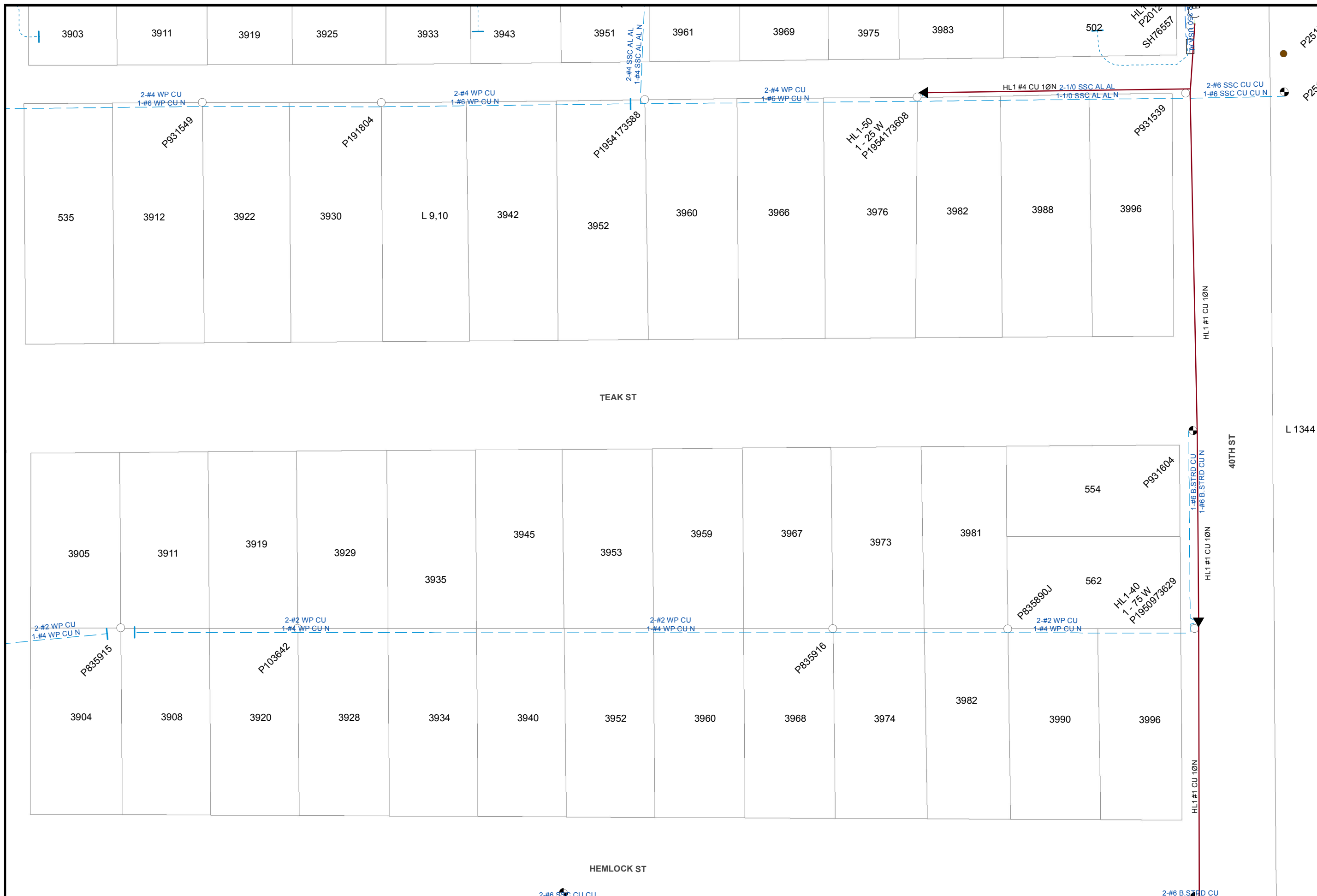
Map Number: 16065-118695
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. "Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16057-118695

16072-118695



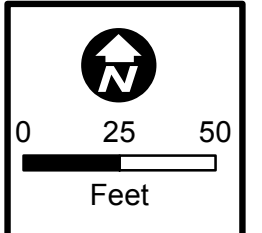
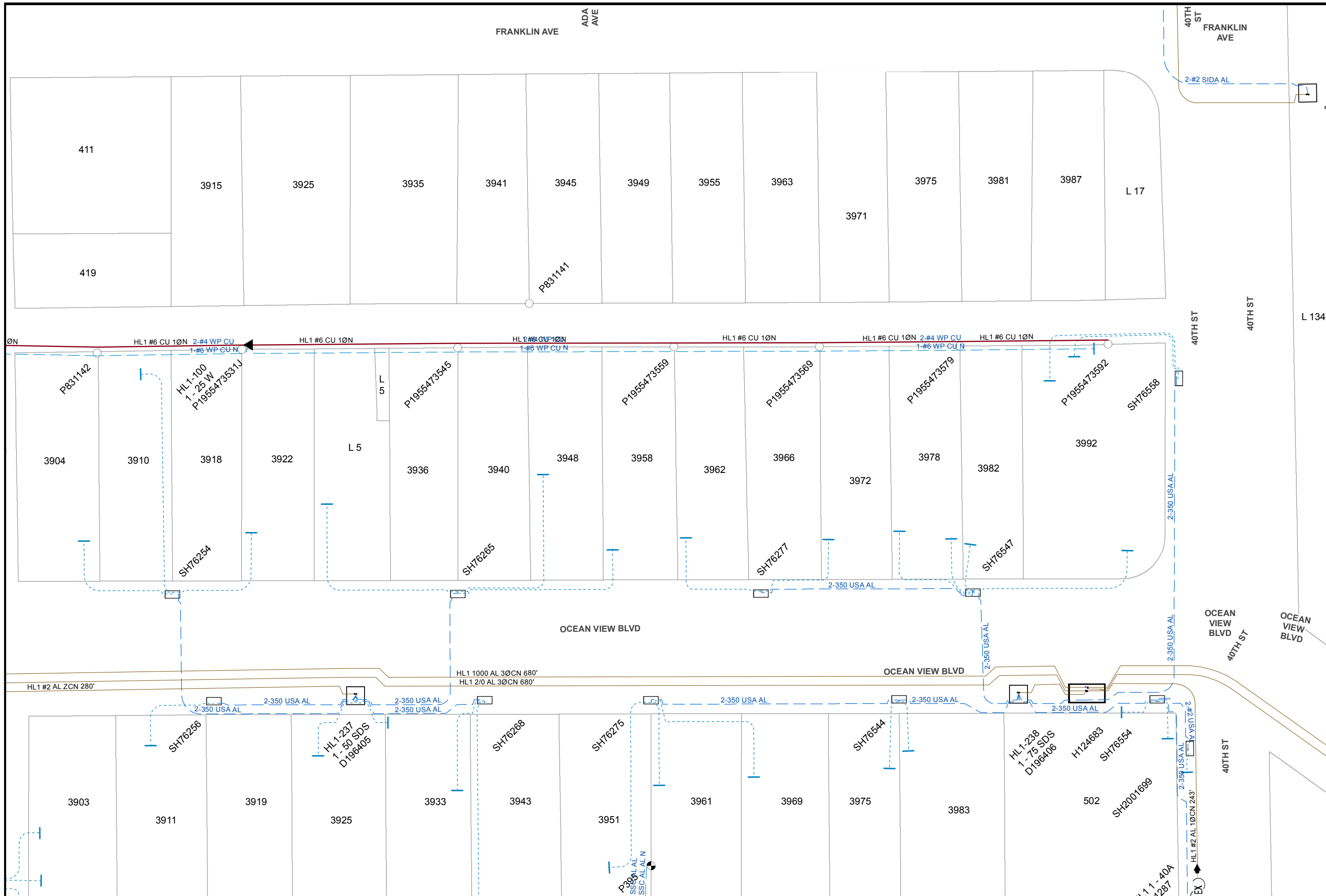
Map Number: 16065-118700
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16057-118700

16072-118700



Map Number: 16065-118705
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

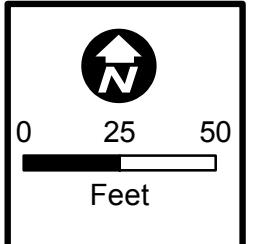
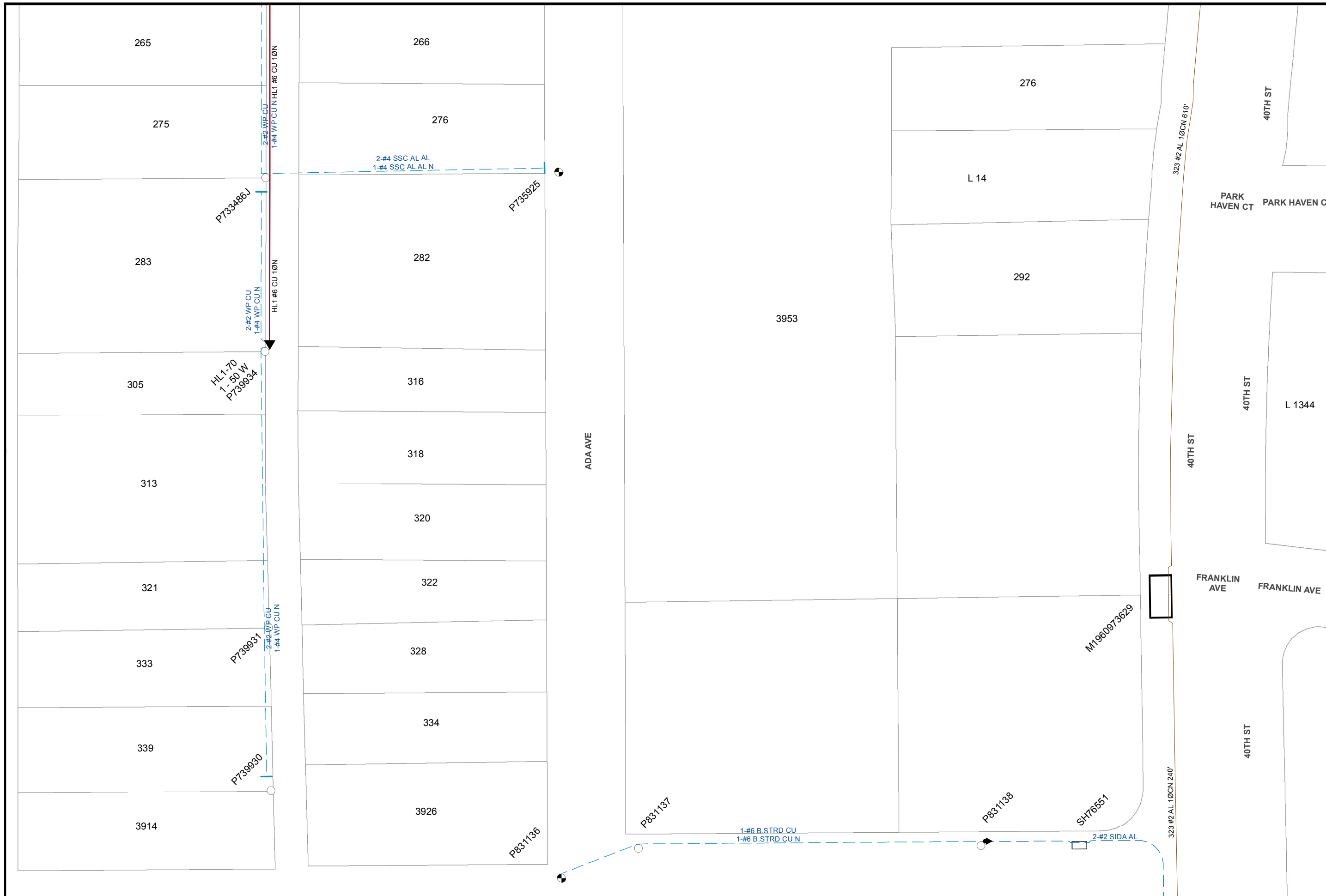
CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq, and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. "Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.

16057-118705

16072-118705



16057-118710

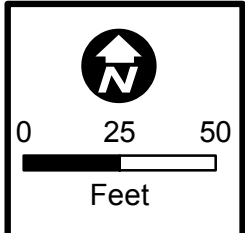
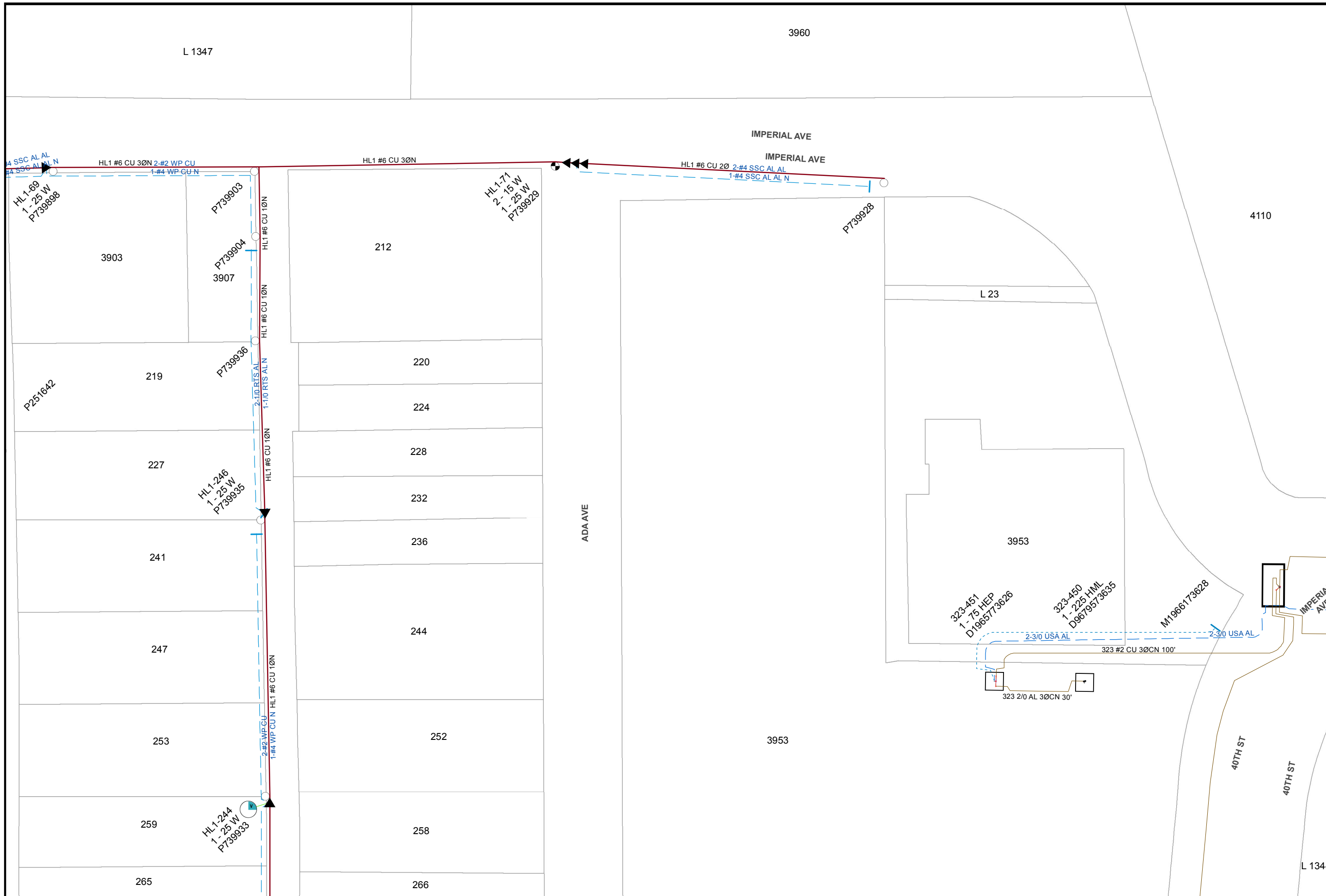


Map Number: 16065-118710
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property 1, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



16072-118710



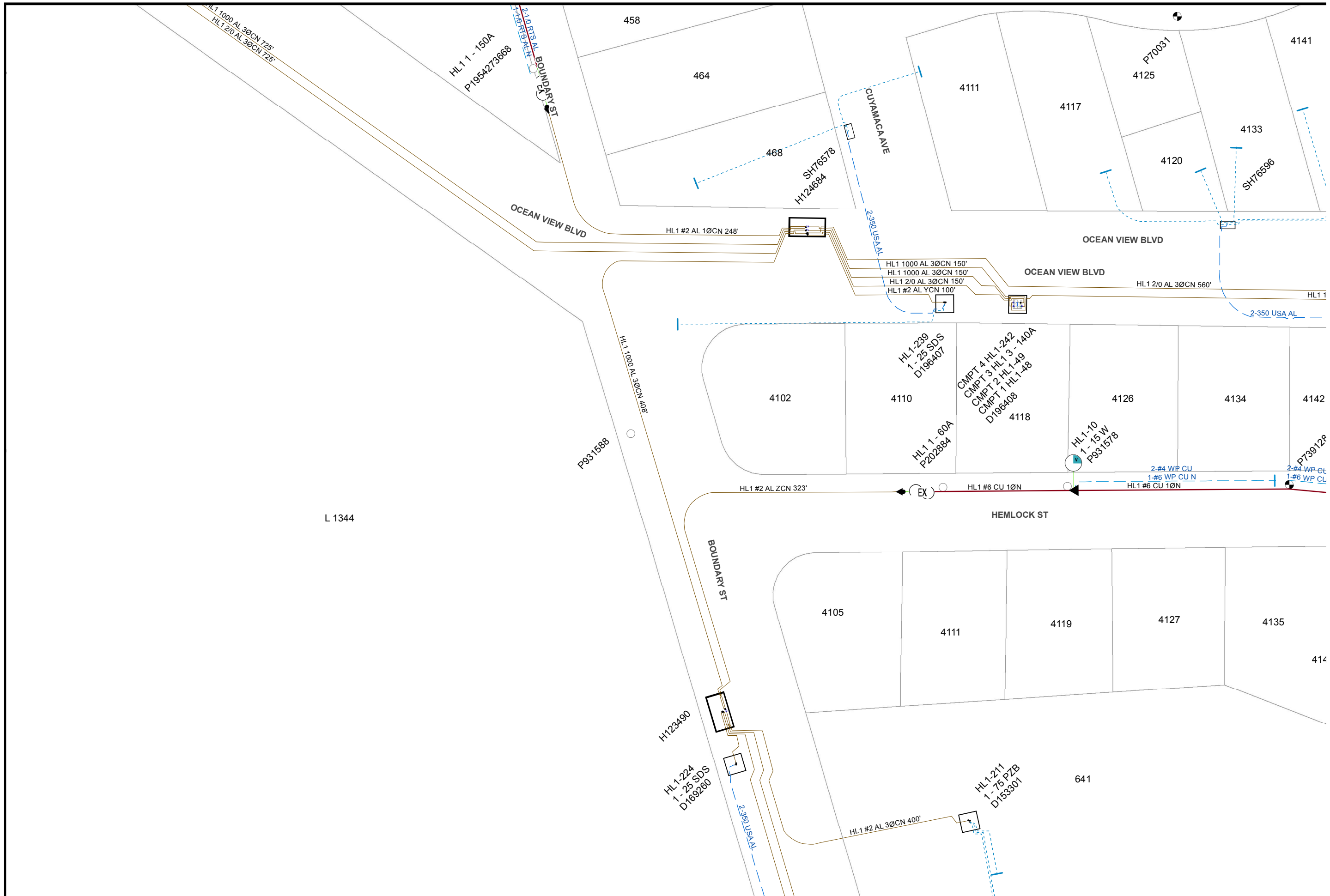
Map Number: 16065-118715
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure. Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16057-118715

16072-118715



Map Number: 16072-118700

Map Type: **Electric Asset Map**

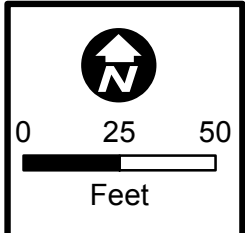
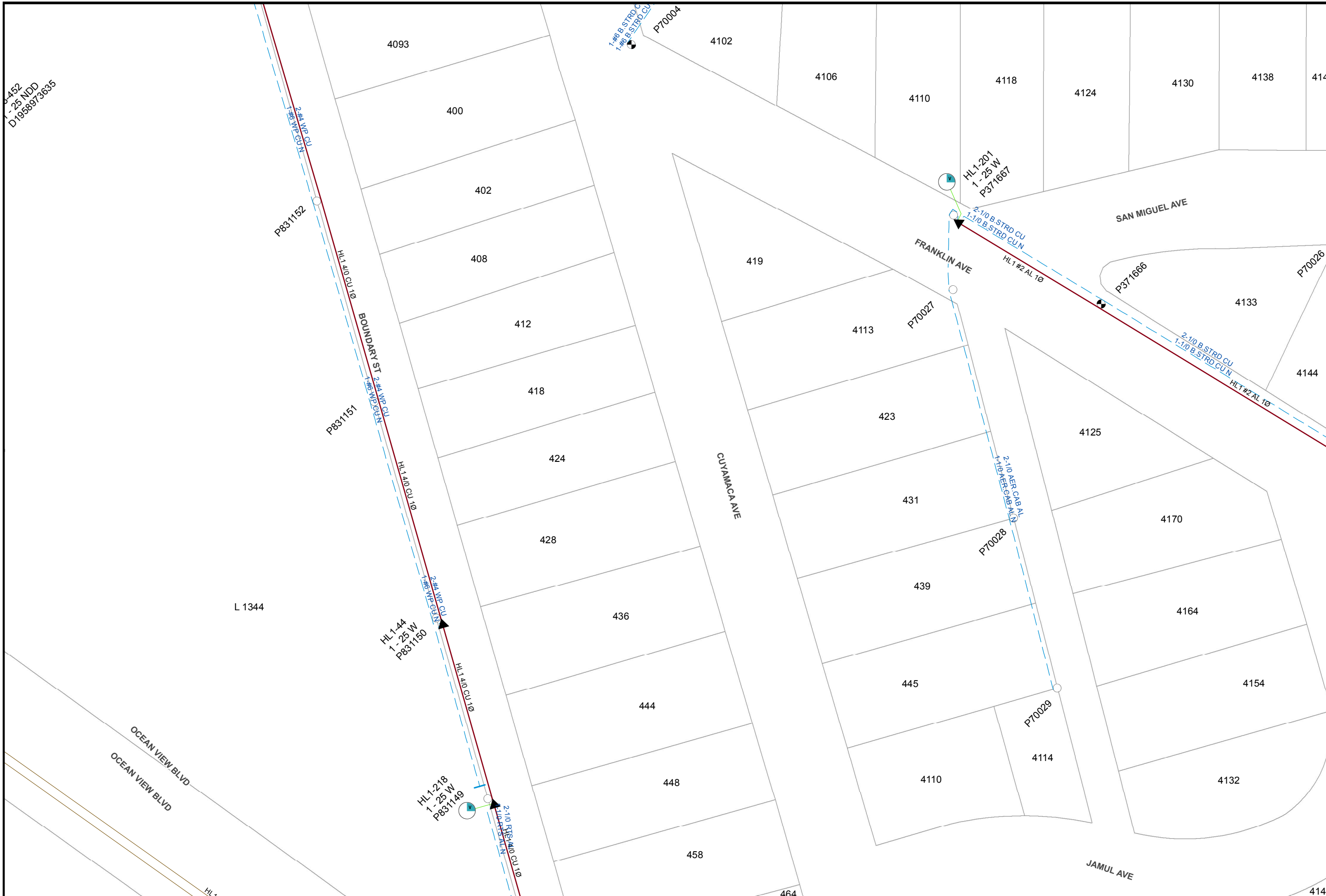
Printed By: CORPUMitchel

Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq, and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.



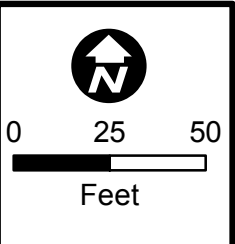
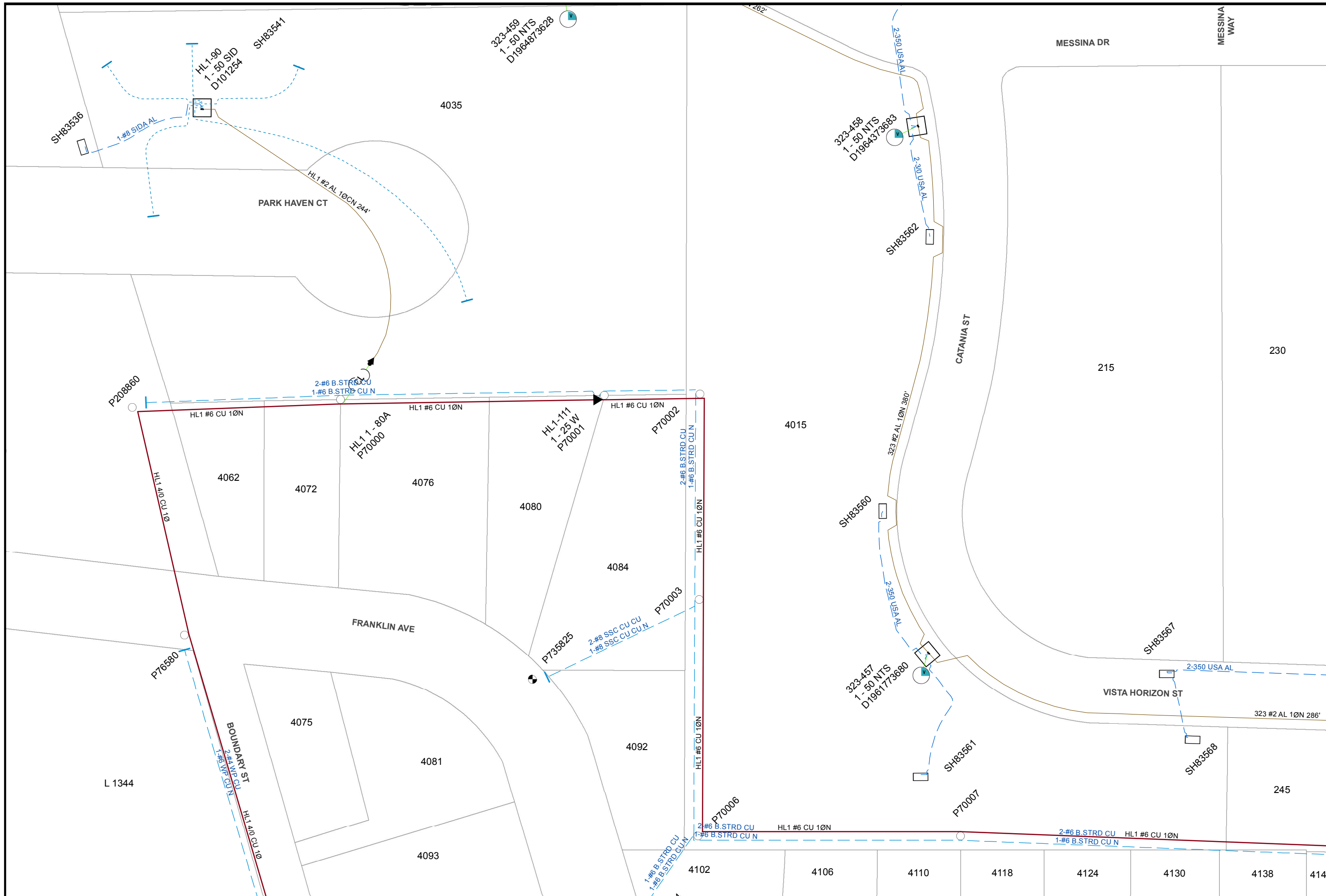
16065-118705



Map Number: 16072-118705
Map Type: Electric Asset Map
Printed By: CORPUMitchel
Printed Date: 5/18/2016

CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY. UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq, and any other applicable federal and state laws and regulations. THIS MAP IS NOT SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. ©1998 - 2007 AT&T Intellectual Property 1, L.P. All Rights Reserved.





Map Number: 16072-118710
 Map Type: **Electric Asset Map**
 Printed By: CORPUMitchel
 Printed Date: 5/18/2016

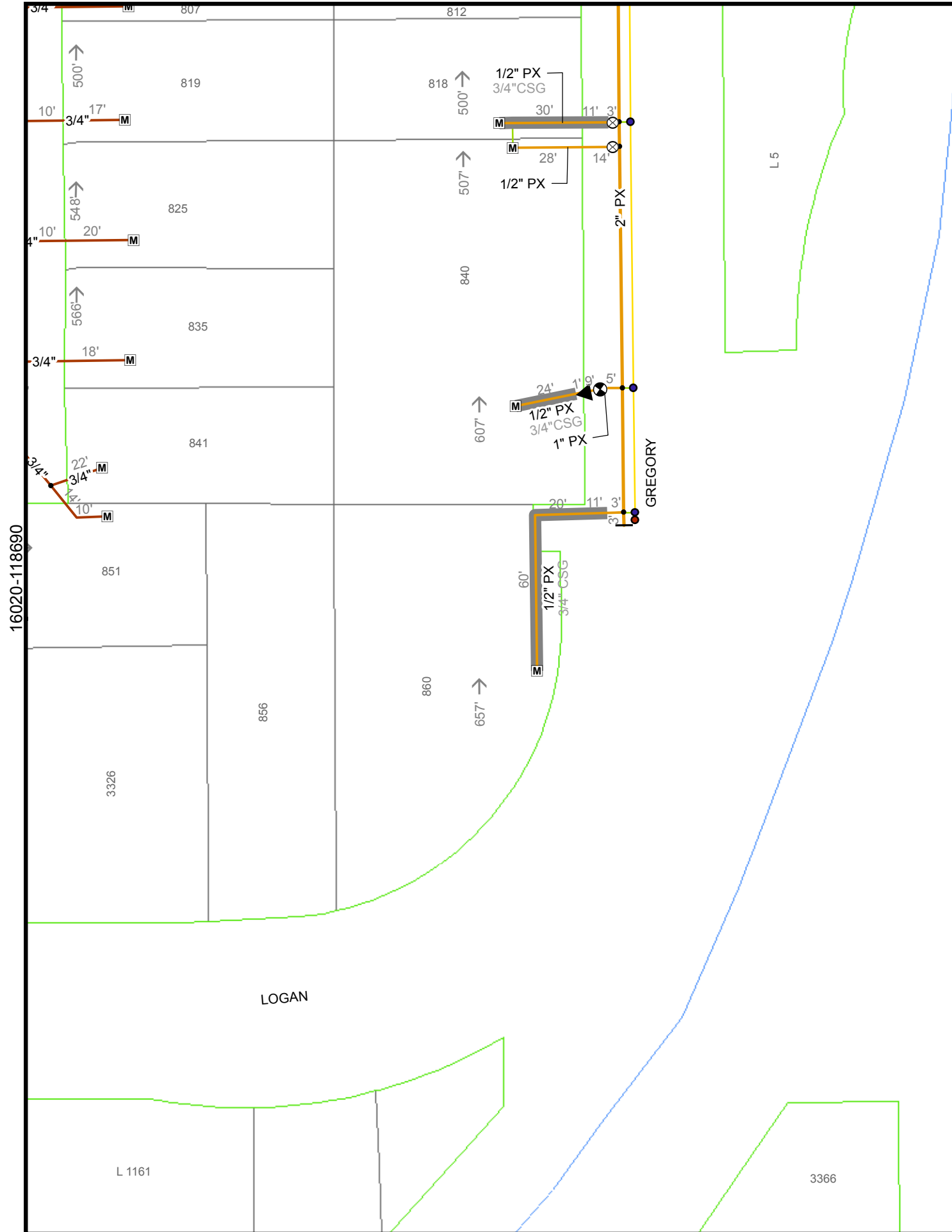
CONFIDENTIAL - PROPERTY OF SDG&E. FOR INTERNAL USE ONLY, UNAUTHORIZED DISSEMINATION PROHIBITED. THIS DOCUMENT SHALL BE TREATED AS CONFIDENTIAL PURSUANT TO Public Utilities Code Section 583, General Order 66-C, any applicable non-disclosure agreement, and/or the North American Electric Reliability Corporation's Rules of Procedure, Section 1500 et seq. and any other applicable federal and state laws and regulations. THIS MAP IS NOT A SURVEY GRADE, and SDG&E makes no representations or warranties, expressed or implied, as to its accuracy, correctness, defensibility, completeness or any other standard or measure of quality or adequacy, or as to its fitness for use or intended use for any particular purpose. SDG&E disclaims all liability for your selection or use of this map or any consequences therefrom. © Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

SDG&E
 Sempra Energy utility

16065-118710

16080-118710

SDGE GAS REFERENCE DRAWINGS

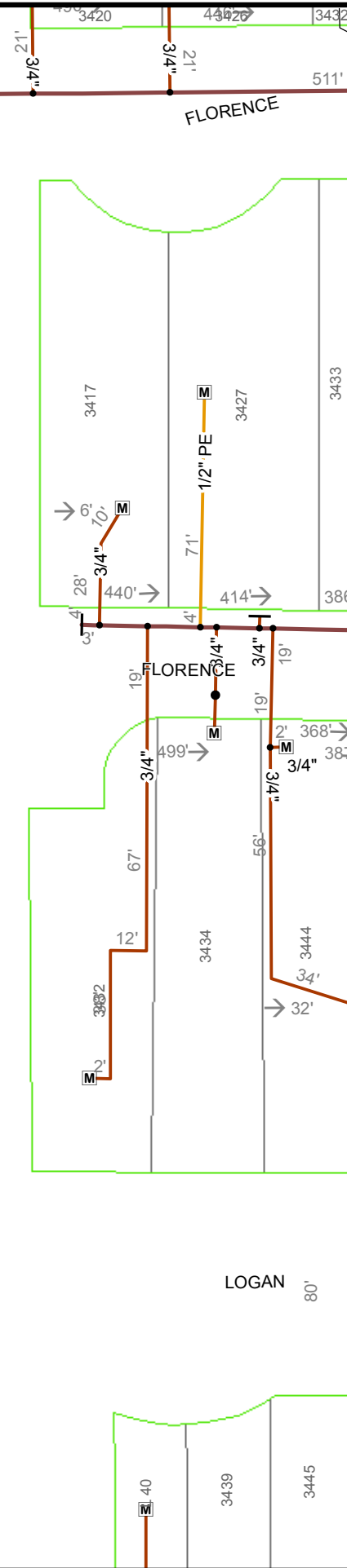


SAN DIEGO

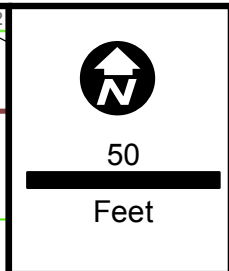
GREGORY

LOGAN

ESCONDIDO FWY



LOGAN




Map Number:	16027-118690
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16035-118690
118690







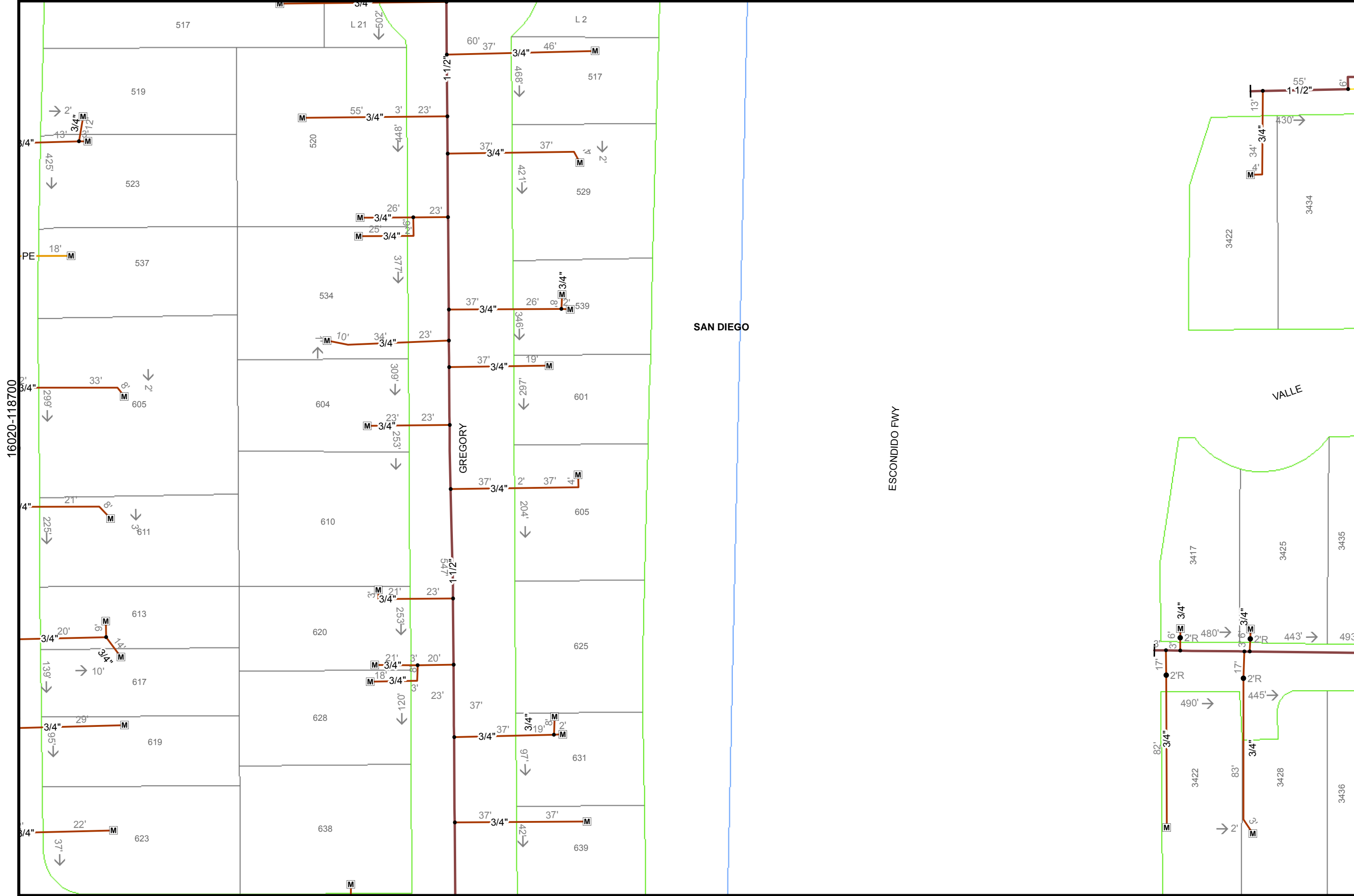
50
Feet

Map Number:	16027-118695
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

16035-118695



50
Feet

Map Number:	16027-118700
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16035-118700
118700

16020-118700



50

Feet

Map Number: 16027-118705

Map Type: Gas Asset Map

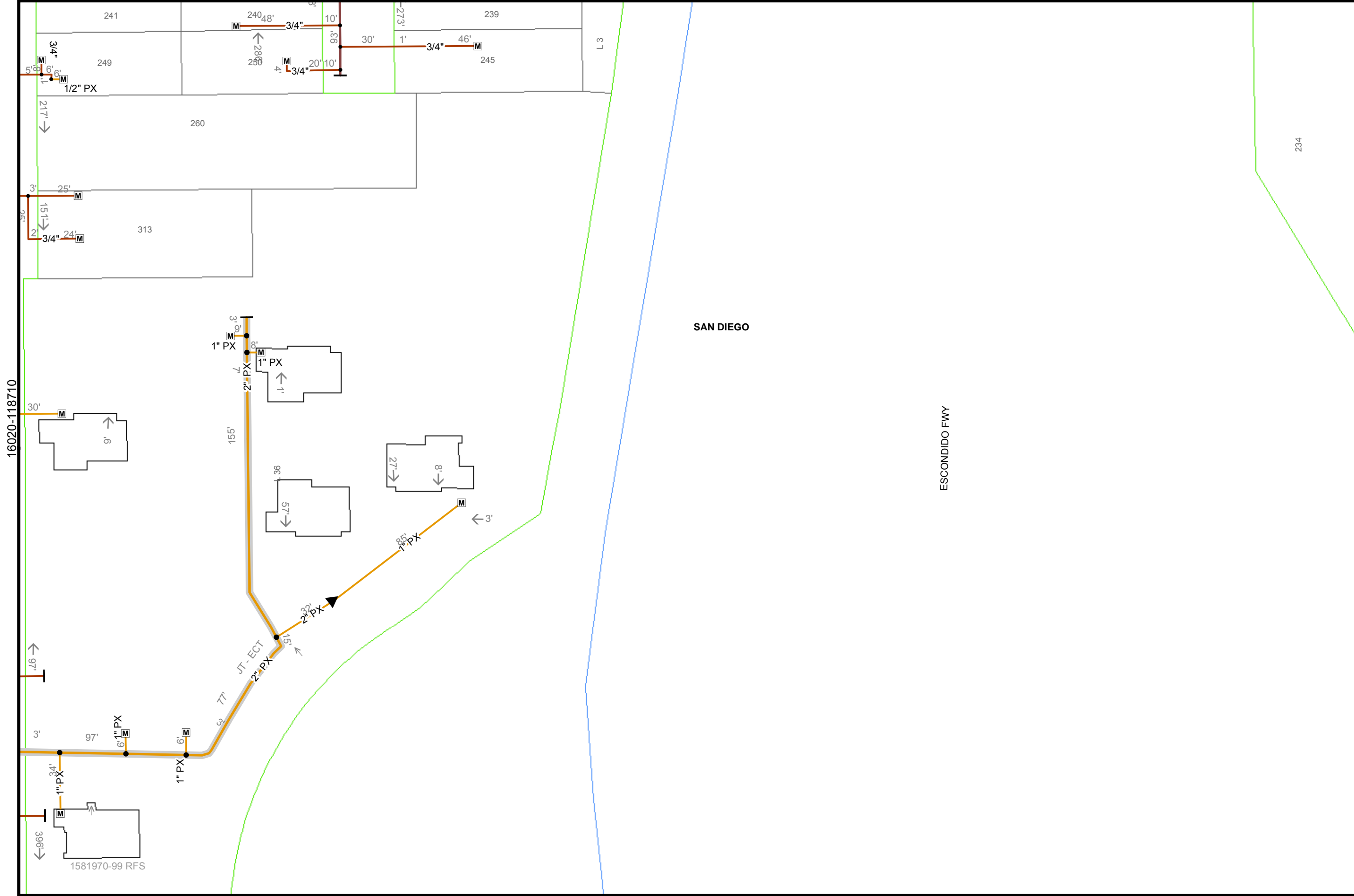
Printed By: shawkin2


Printed Date: 5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."

16035-118705
118705



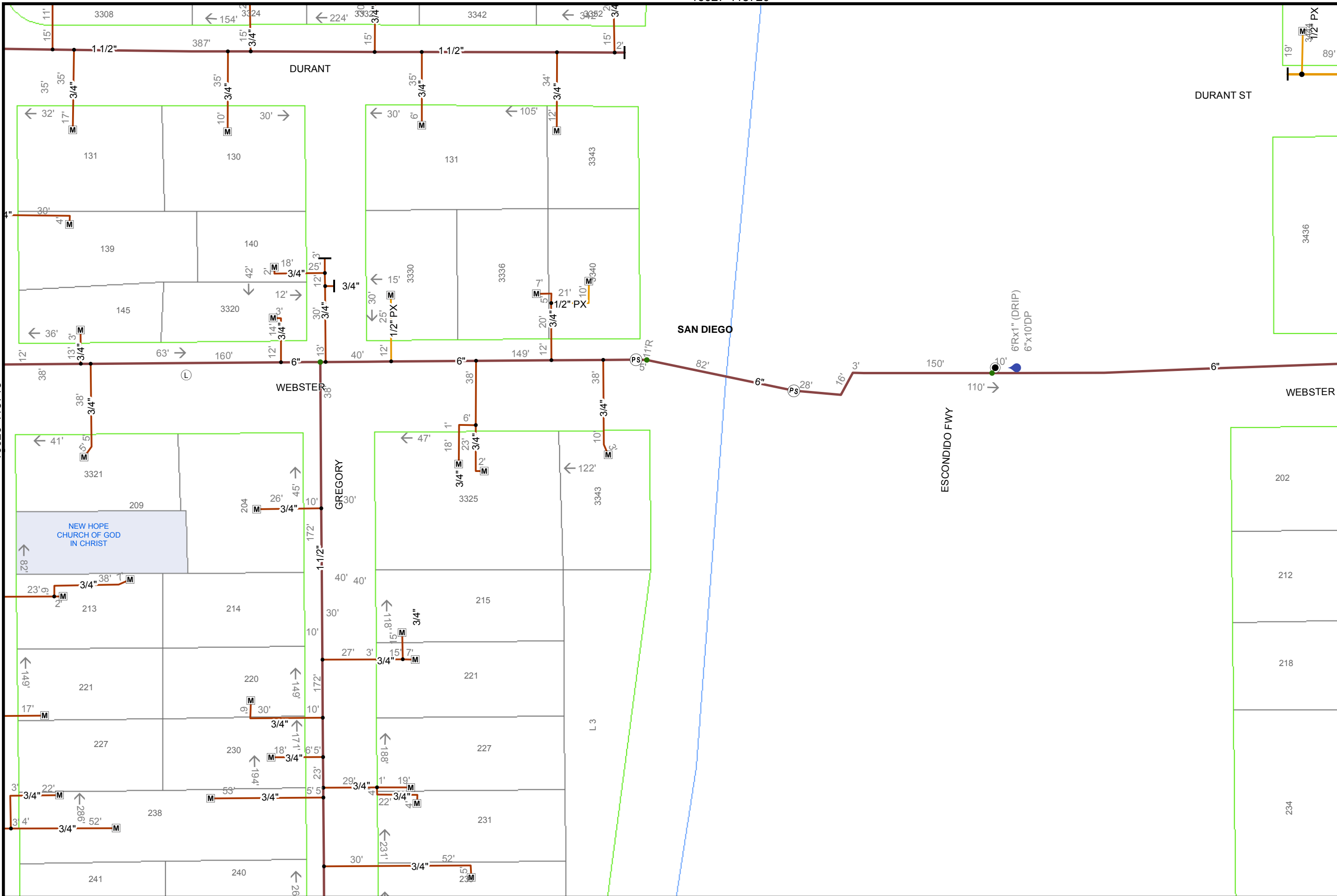



 50
 Feet

Map Number:	16027-118710
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 © 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.





50
Feet

Map Number:	16027-118715
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

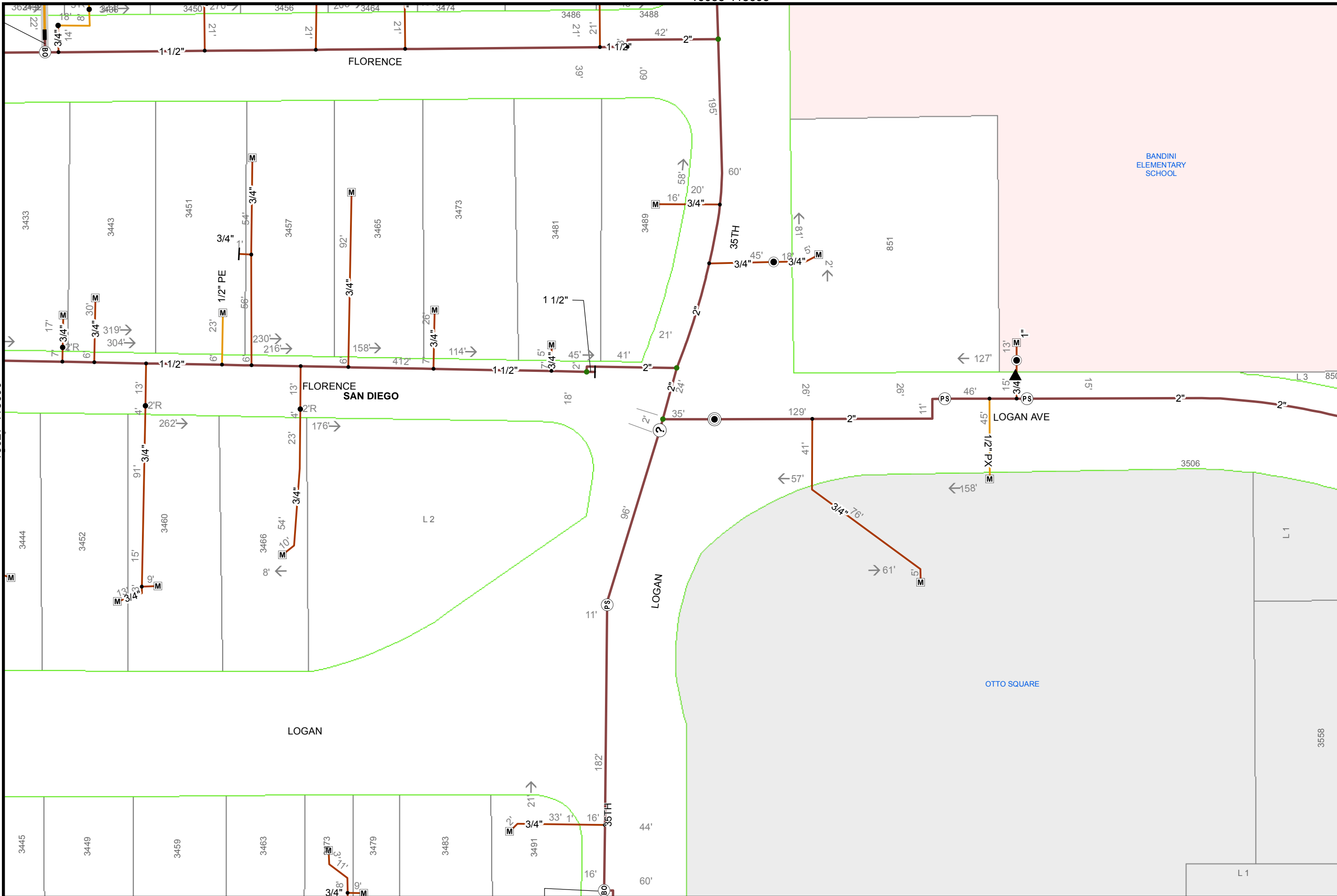
SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16027-118690

16035-118695

16035-118685



50
Feet

Map Number:	16035-118690
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 © 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

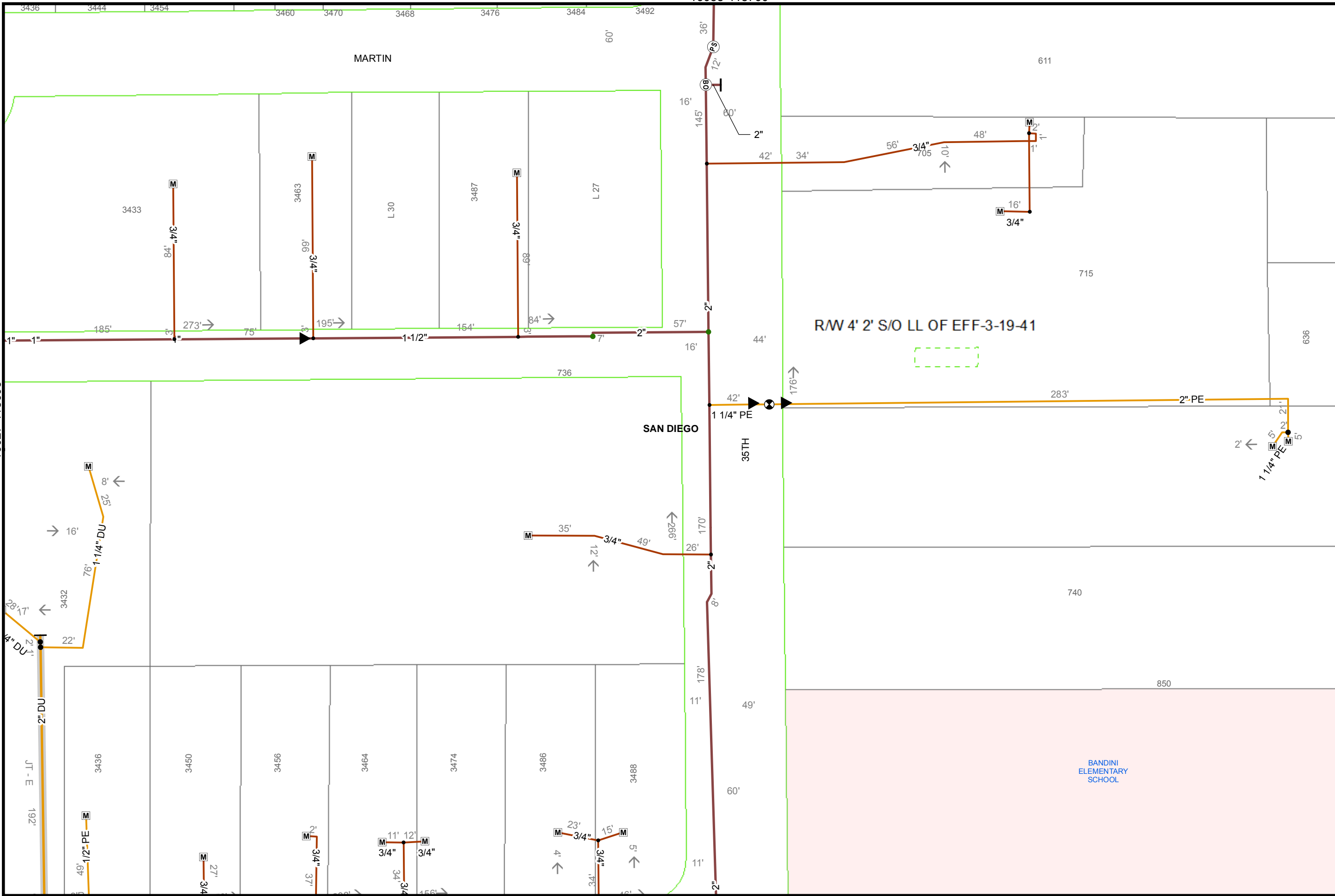


16042-118690
118690

16027-118695

16035-118700

16035-118690



50

Feet

Map Number: 16035-118695

Map Type: Gas Asset Map

Printed By: shawkin2

Printed Date: 5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

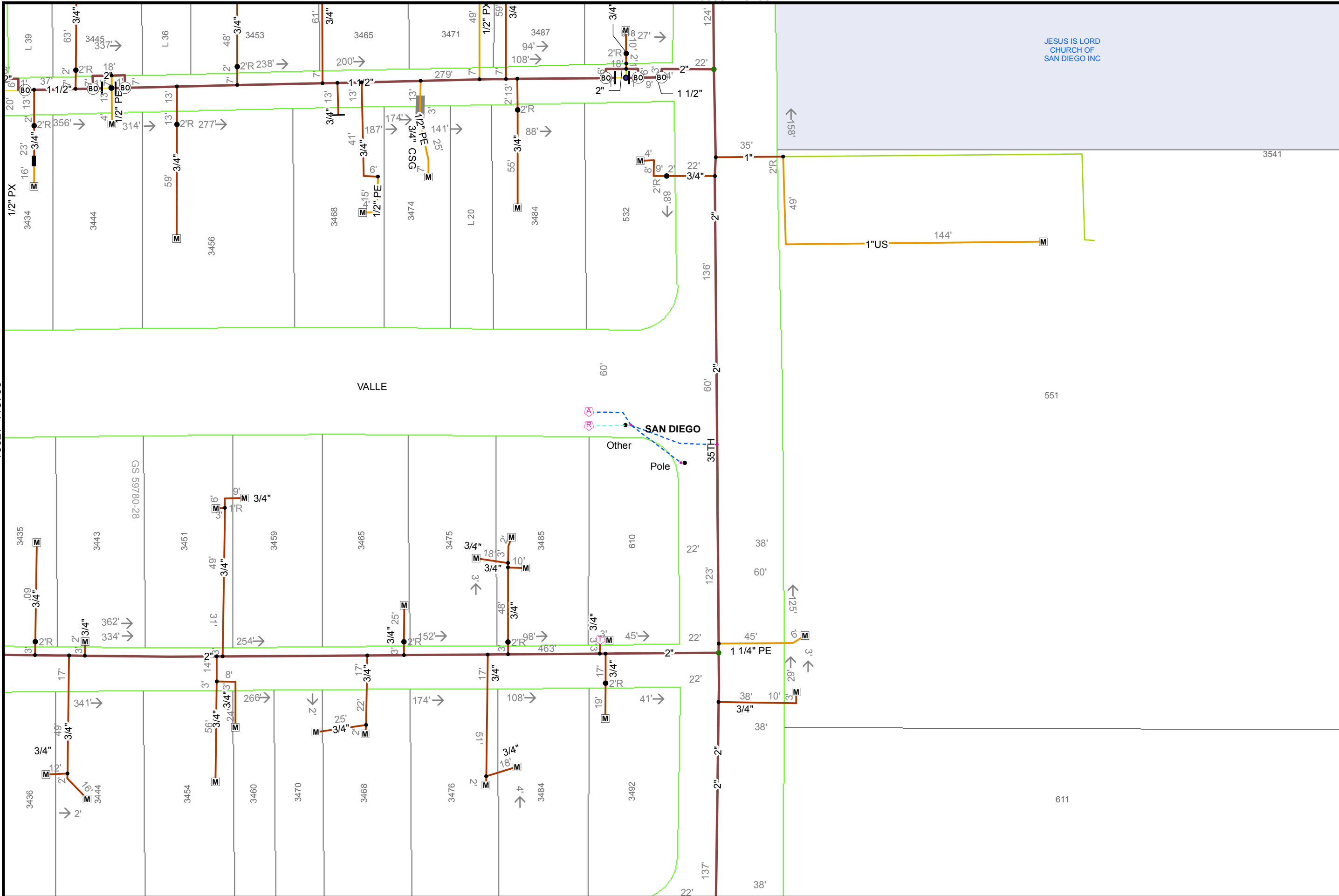


16042-118695

16027-118700

16035-118705

16035-118695



JESUS IS LORD
CHURCH OF
SAN DIEGO INC



50

Feet

Map Number: 16035-118700

Map Type: Gas Asset Map

Printed By: shawkin2

Printed Date: 5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.

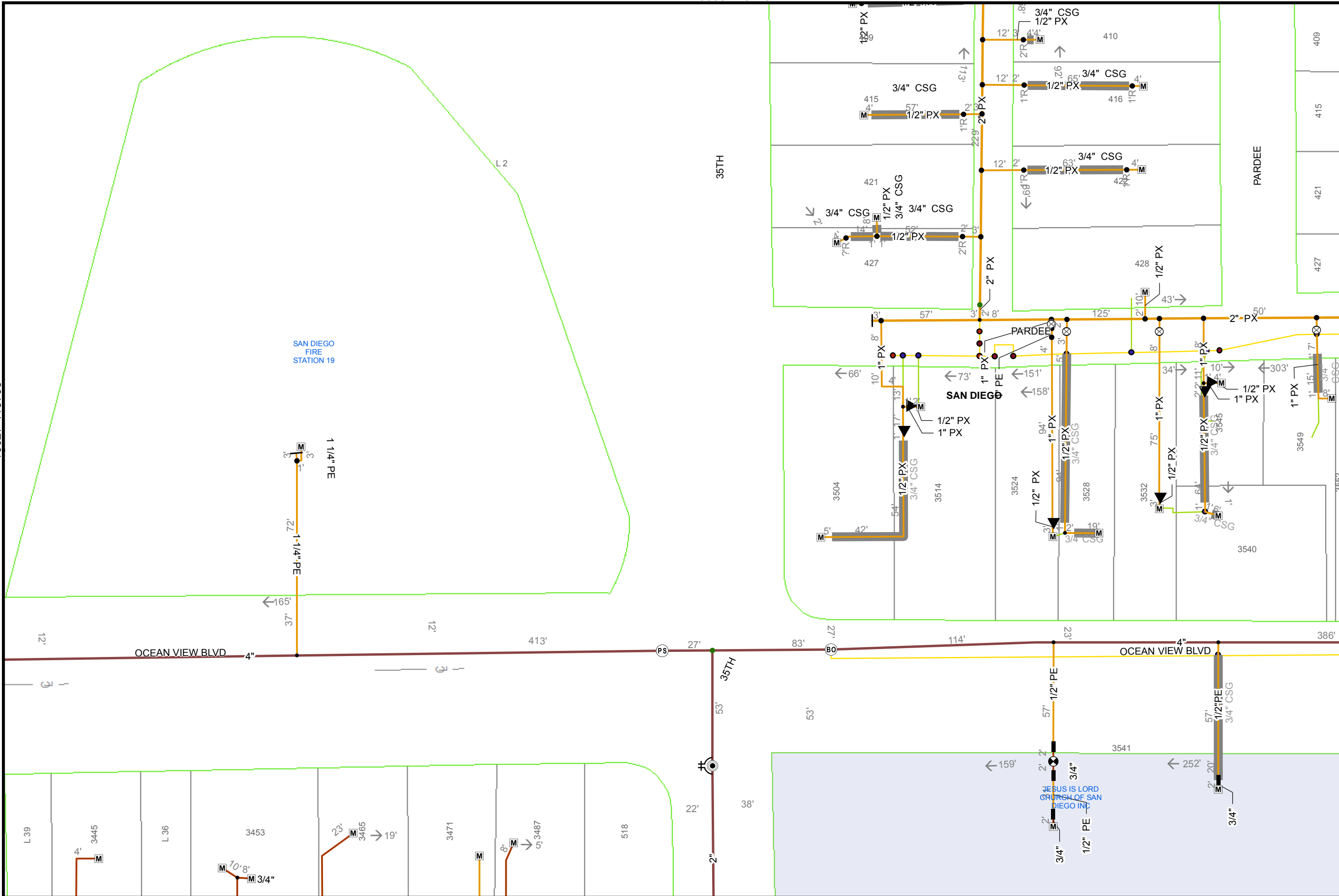
"Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16042-118700
118700

16027-118705

16035-118710



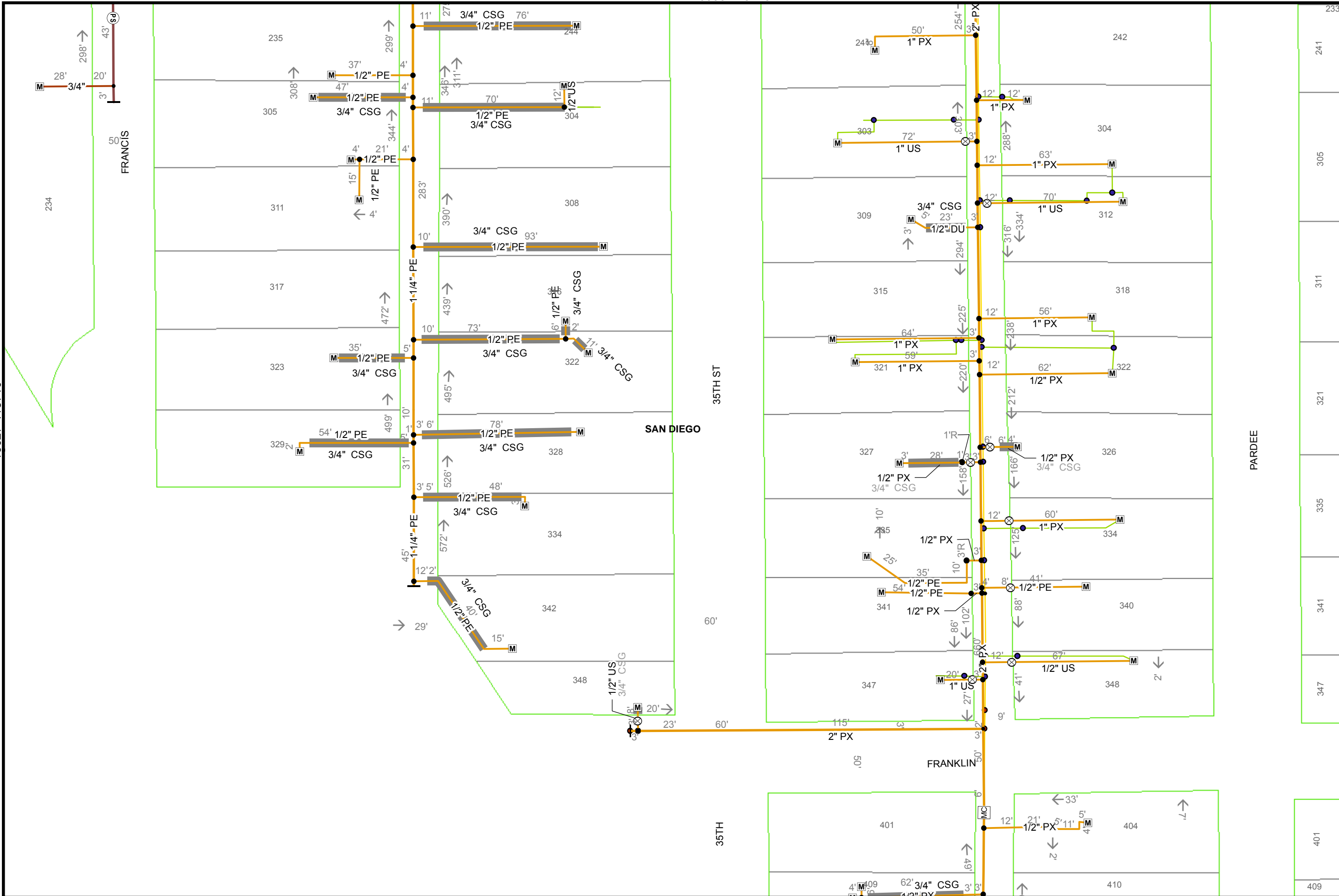
50
Feet

Map Number:	16035-118705
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16042-118705
118705



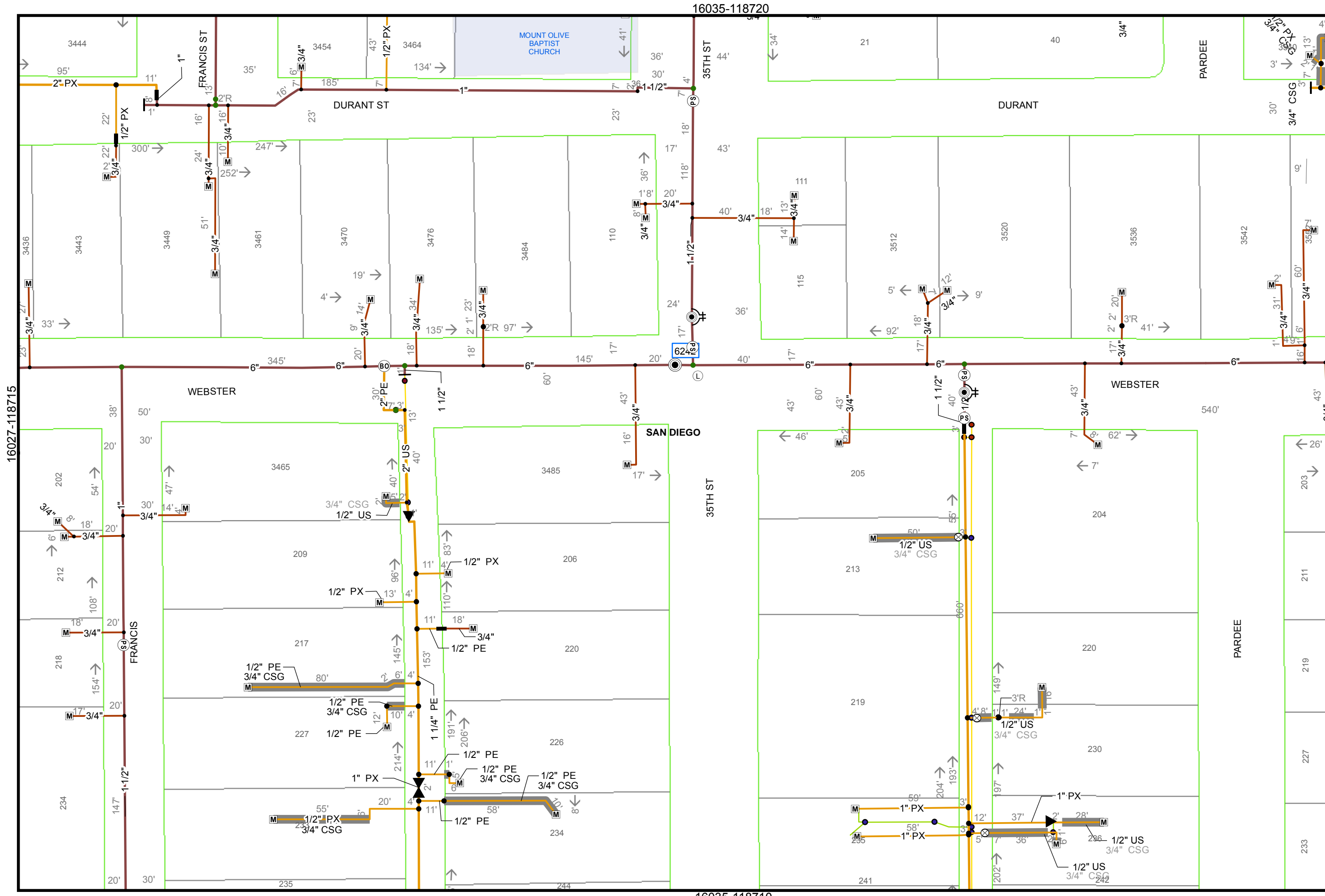
North Arrow

50 Feet

Map Number:	16035-118710
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.





50
Feet

Map Number:	16035-118715
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16027-118715

16035-118720

16035-118710

16042-118715
118715

16027-118720

16035-118725

16035-118715

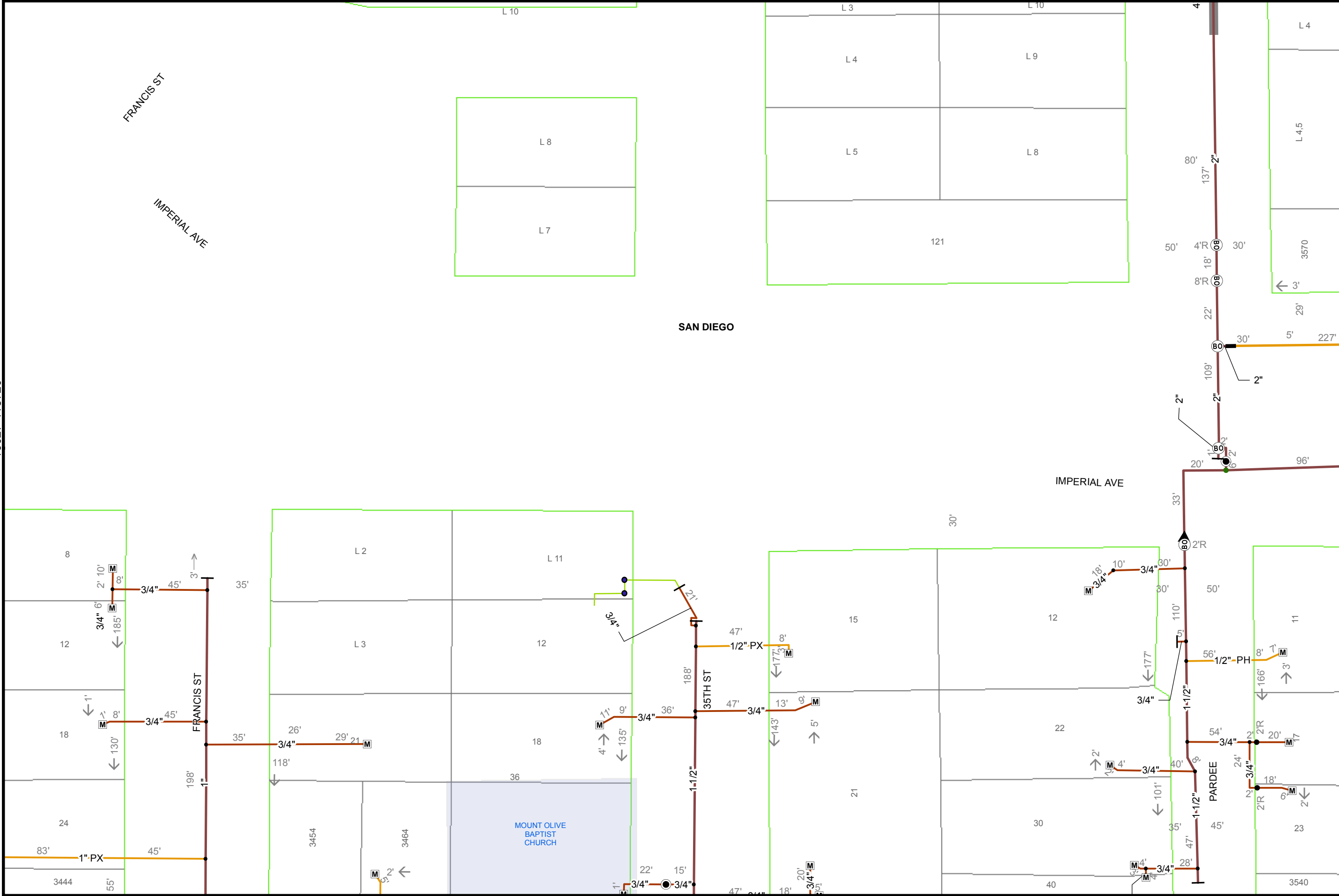
16042-118720

118720

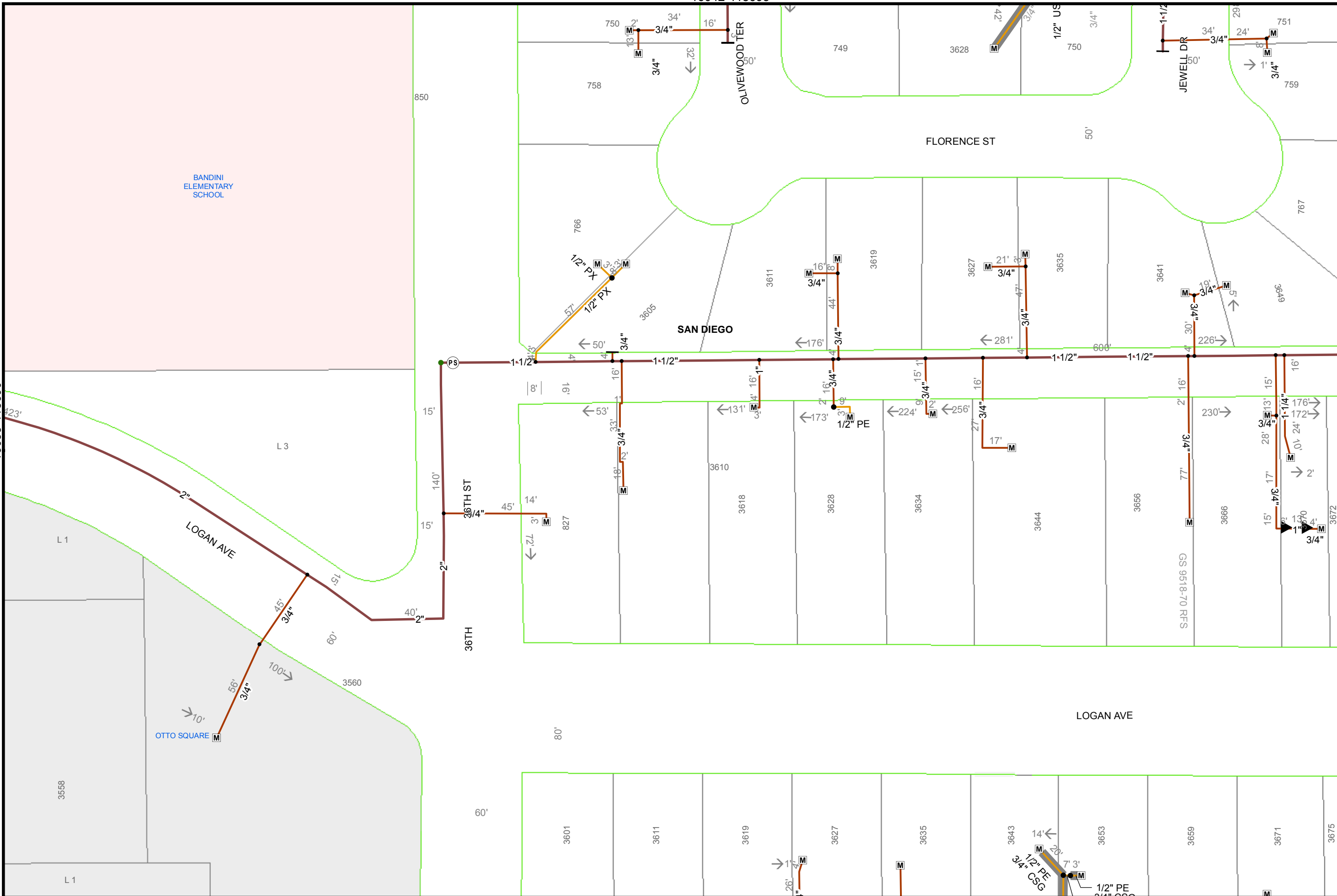
50
Feet

Map Number:	16035-118720
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16035-118690



16042-118695

16042-118685



50

Feet

Map Number: 16042-118690

Map Type: Gas Asset Map

Printed By: shawkin2

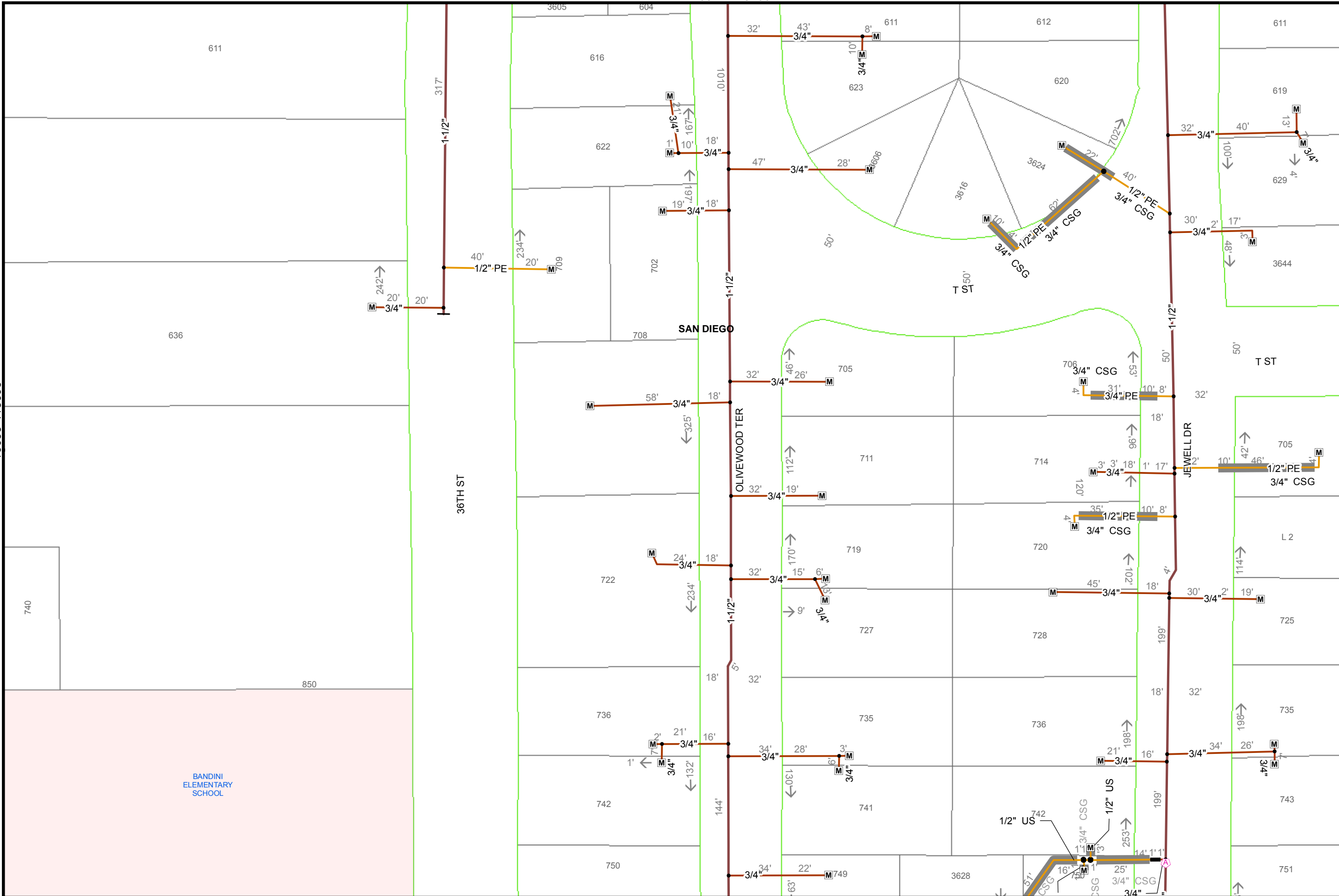
Printed Date: 5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16050-118690

16035-118695



50
Feet

Map Number: 16042-118695
 Map Type: Gas Asset Map
 Printed By: shawkin2
 Printed Date: 5/16/2016

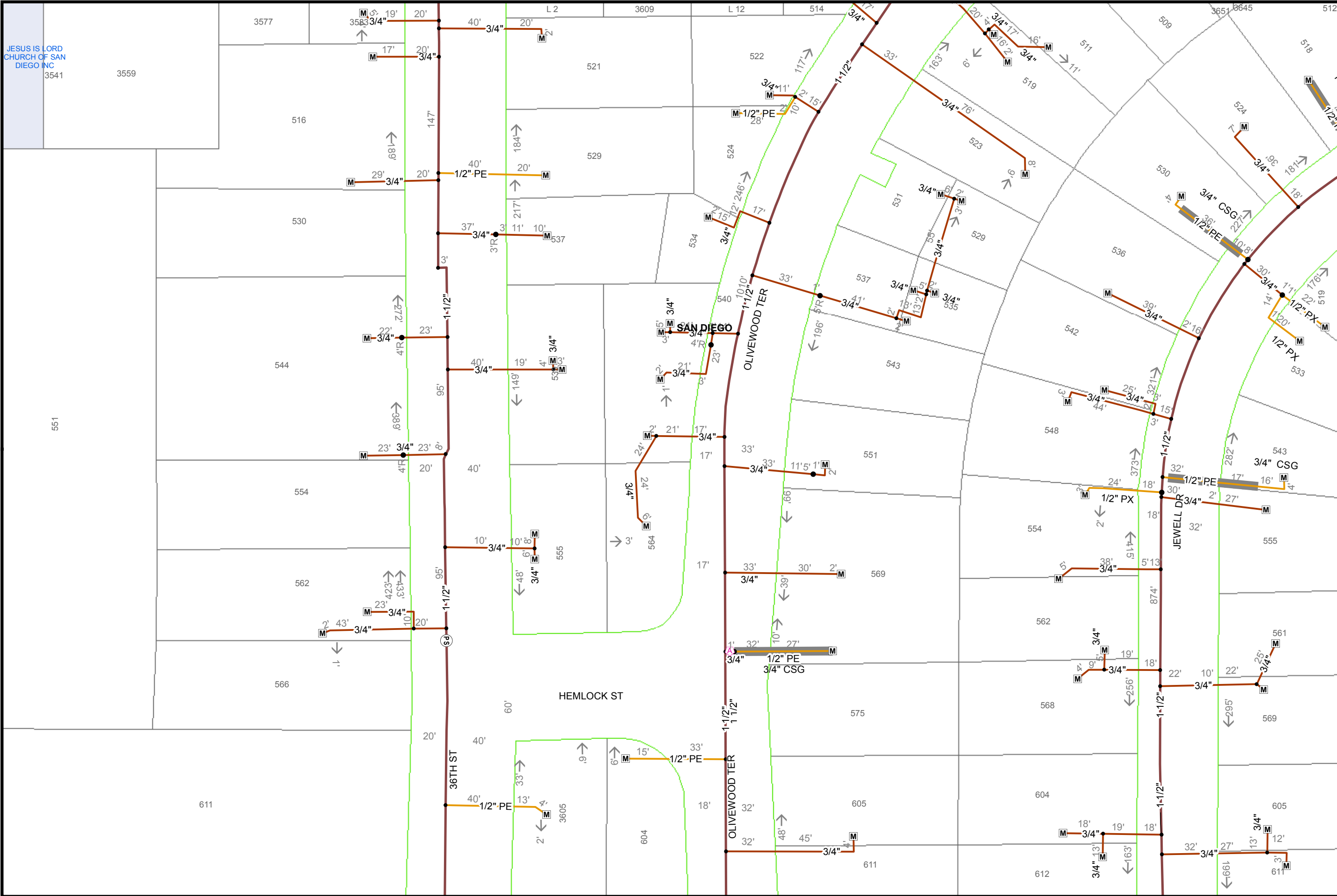
SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16035-118700

16042-118705

16042-118695



JESUS IS LORD
CHURCH OF SAN
DIEGO INC
3541



50
Feet

Map Number: 16042-118700

Map Type: Gas Asset Map

Printed By: shawkin2

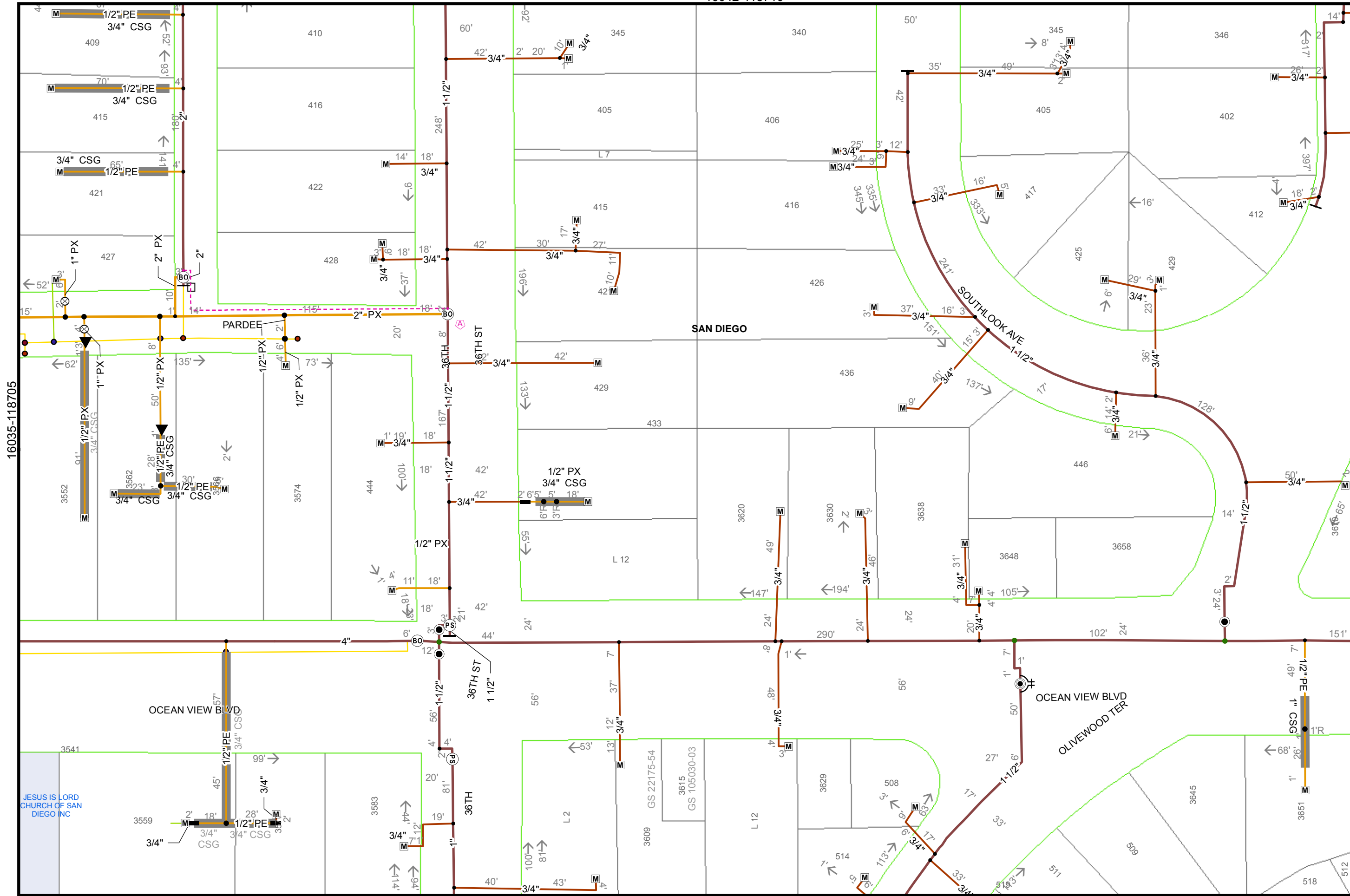
Printed Date: 5/16/2016

16050-118700
118700

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



Sempra Energy utility



Map Number:	16042-118705
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

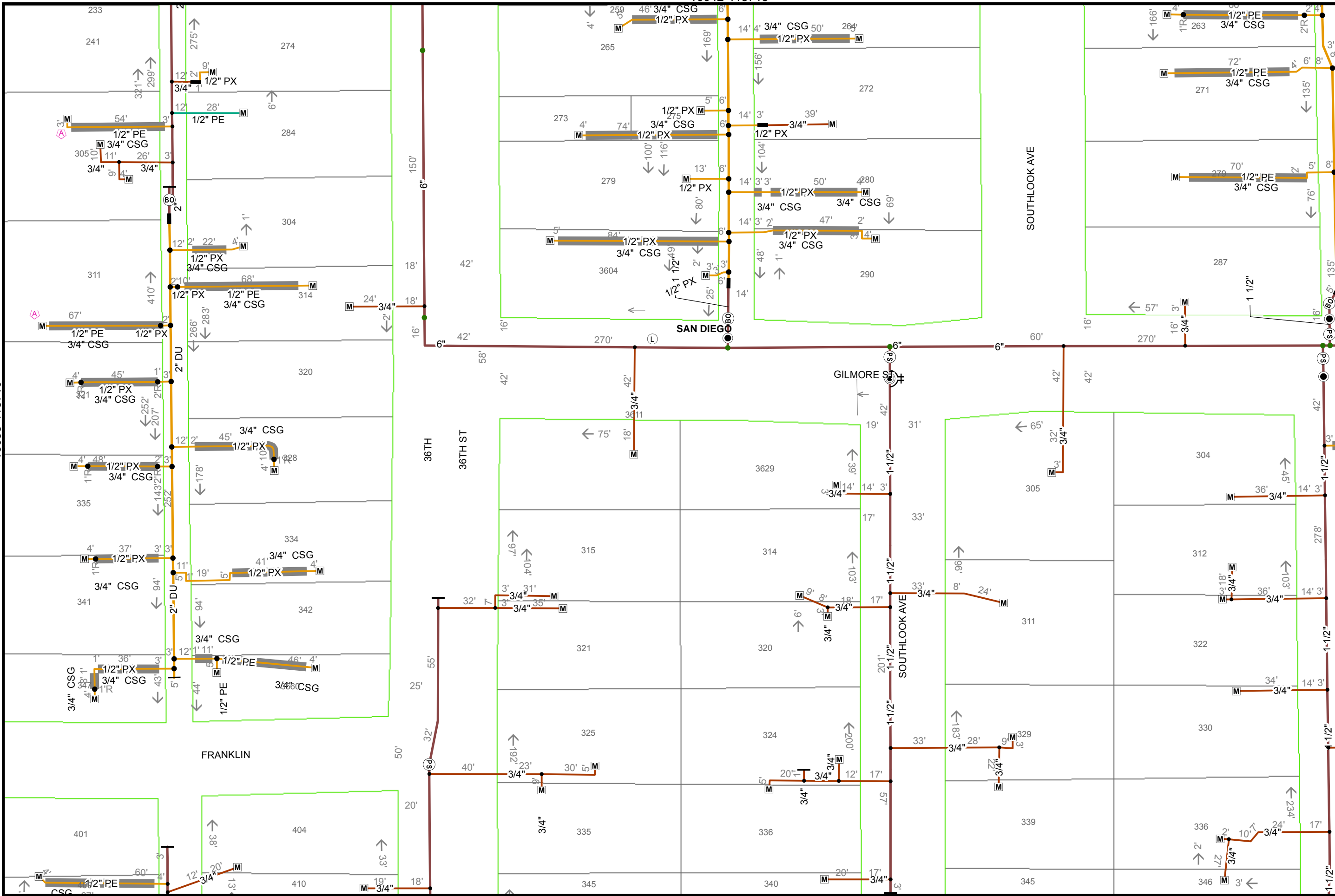
SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16035-118710

16042-118715

16042-118705



50
Feet

Map Number: 16042-118710

Map Type: Gas Asset Map

Printed By: shawkin2

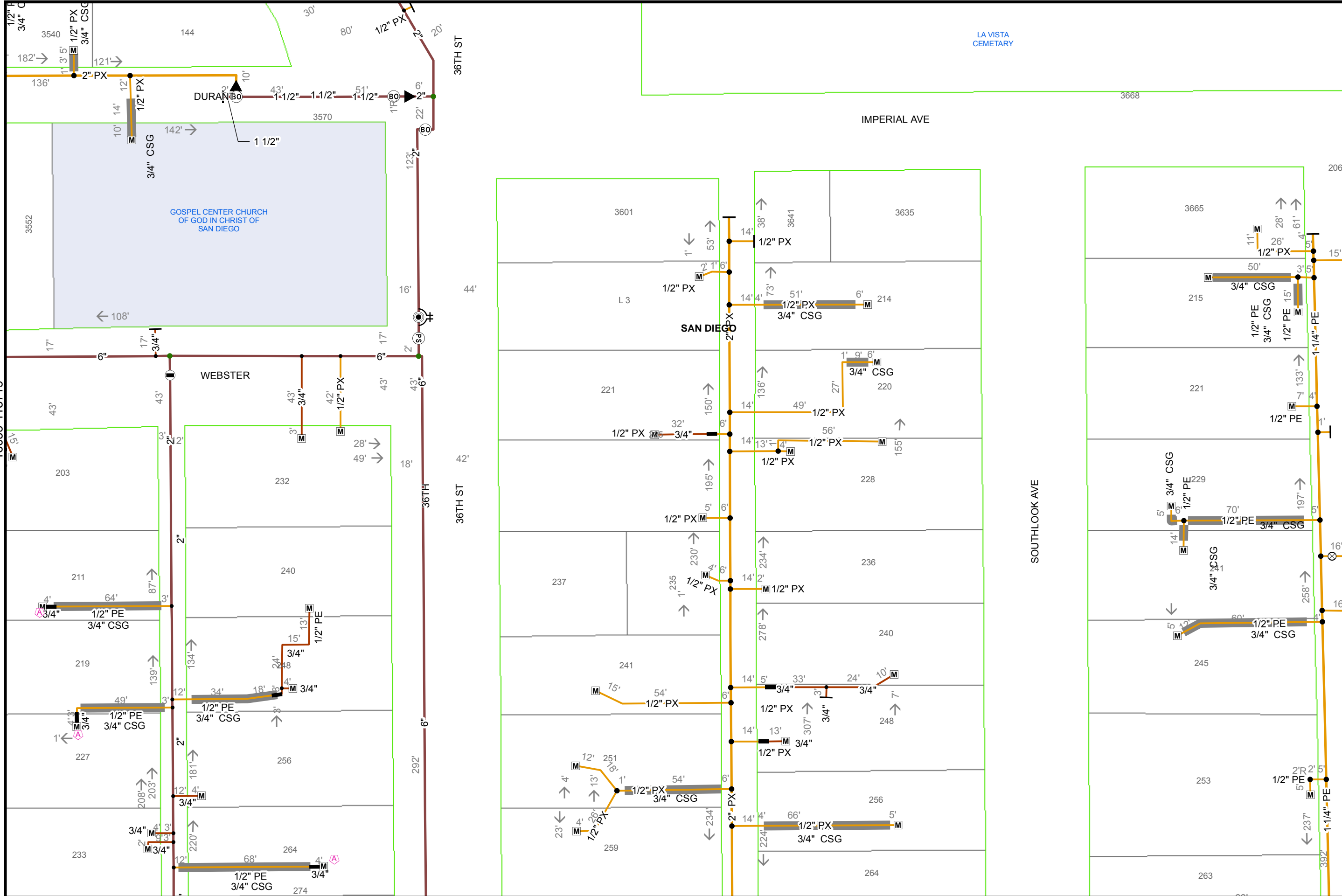
Printed Date: 5/16/2016

16050-118710

118710

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
© 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



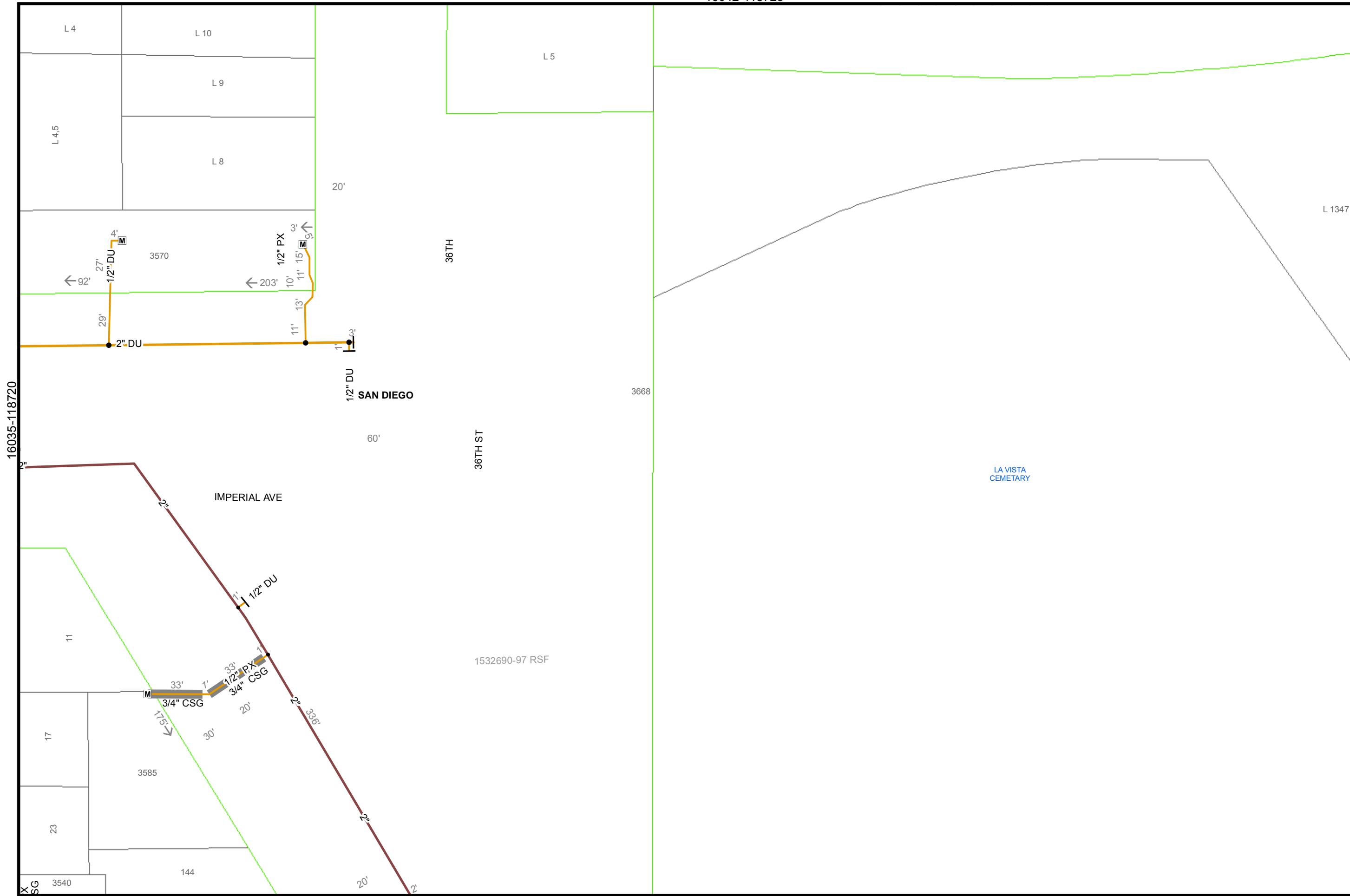



50
Feet

Map Number:	16042-118715
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 © 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.






 50
 Feet

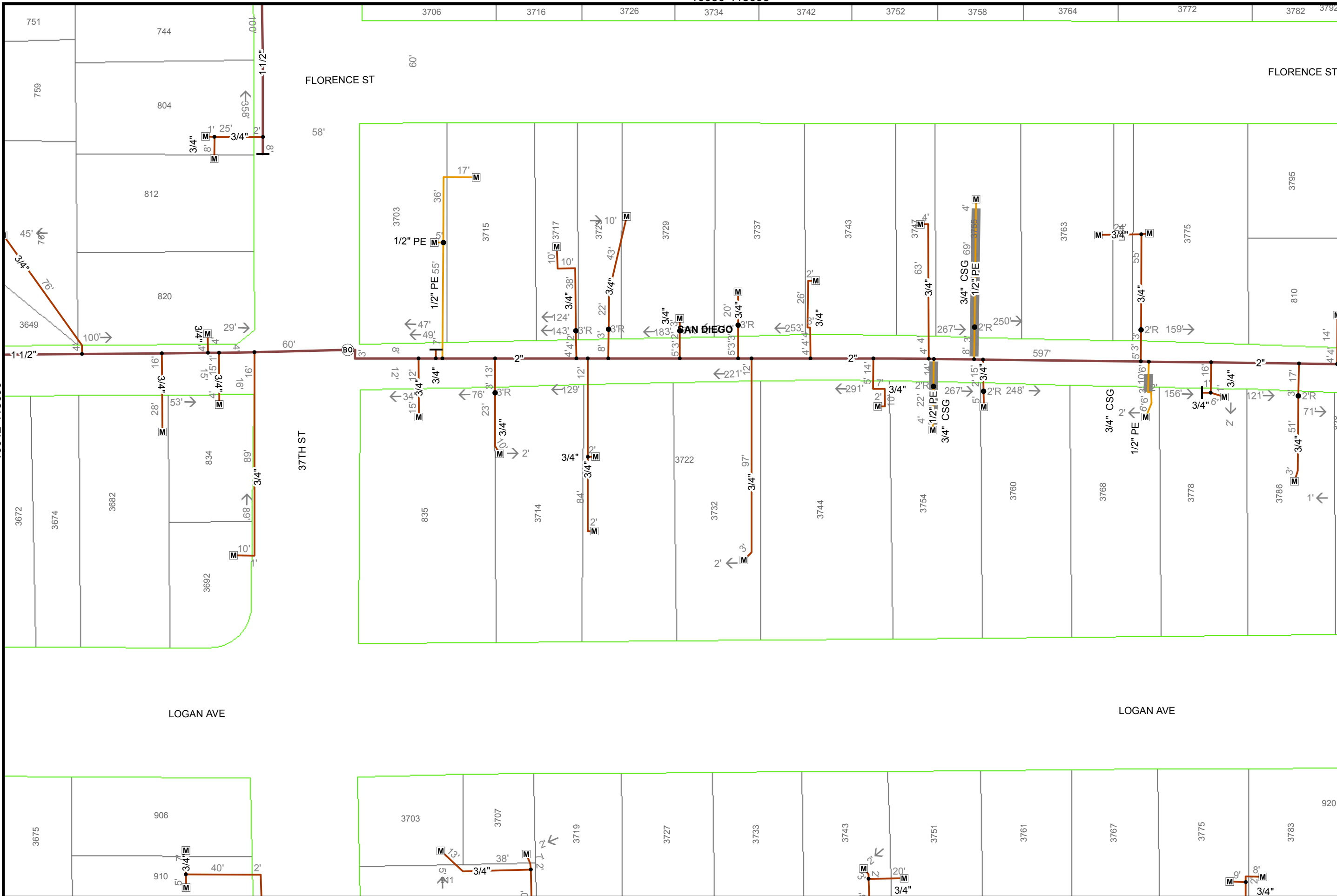
Map Number:	16042-118720
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16035-118720

16050-118720
118720



50
Feet

Map Number: 16050-118690

Map Type: Gas Asset Map

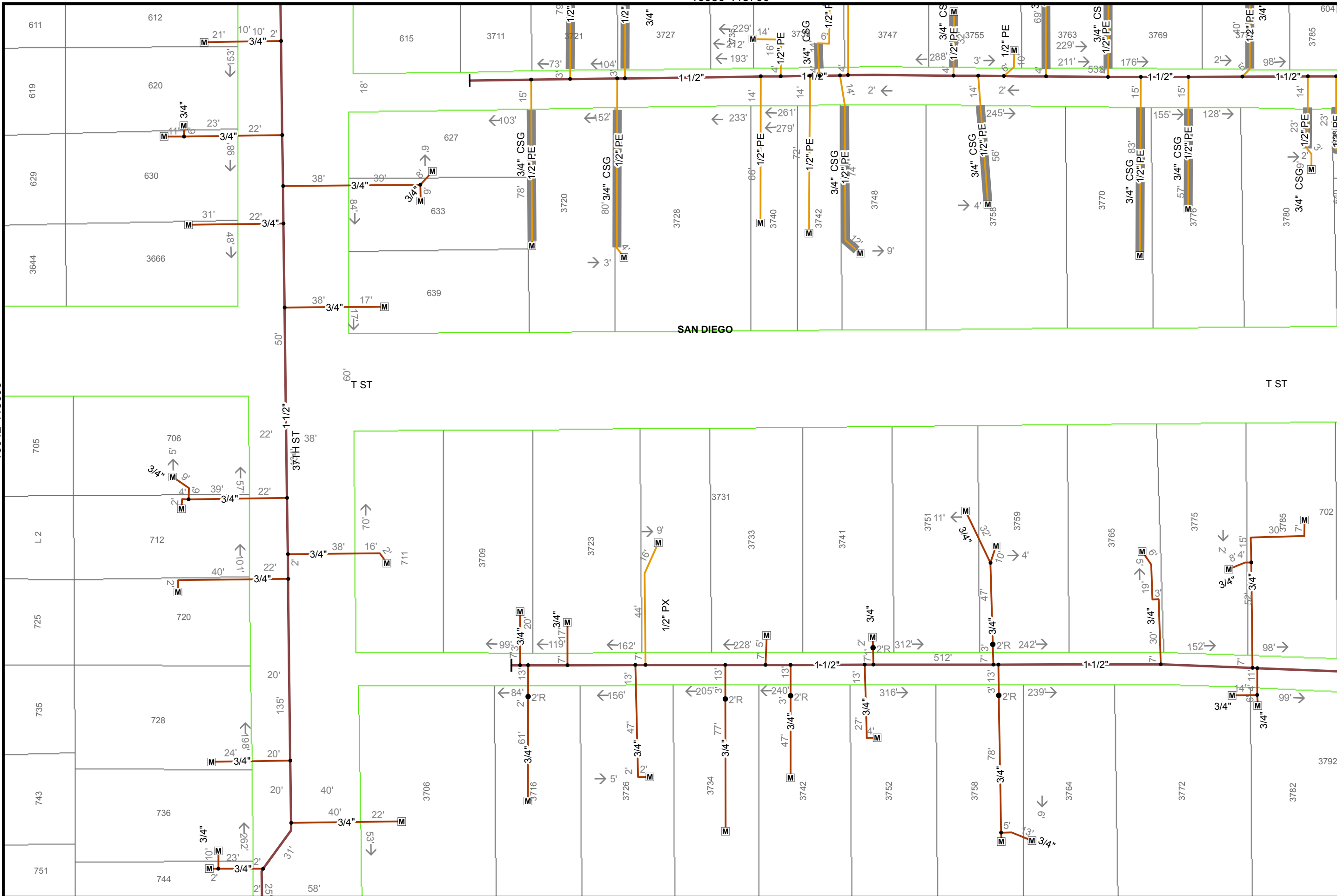
Printed By: shawkin2

Printed Date: 5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16042-118695



16050-118700

16050-118690



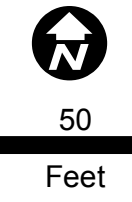
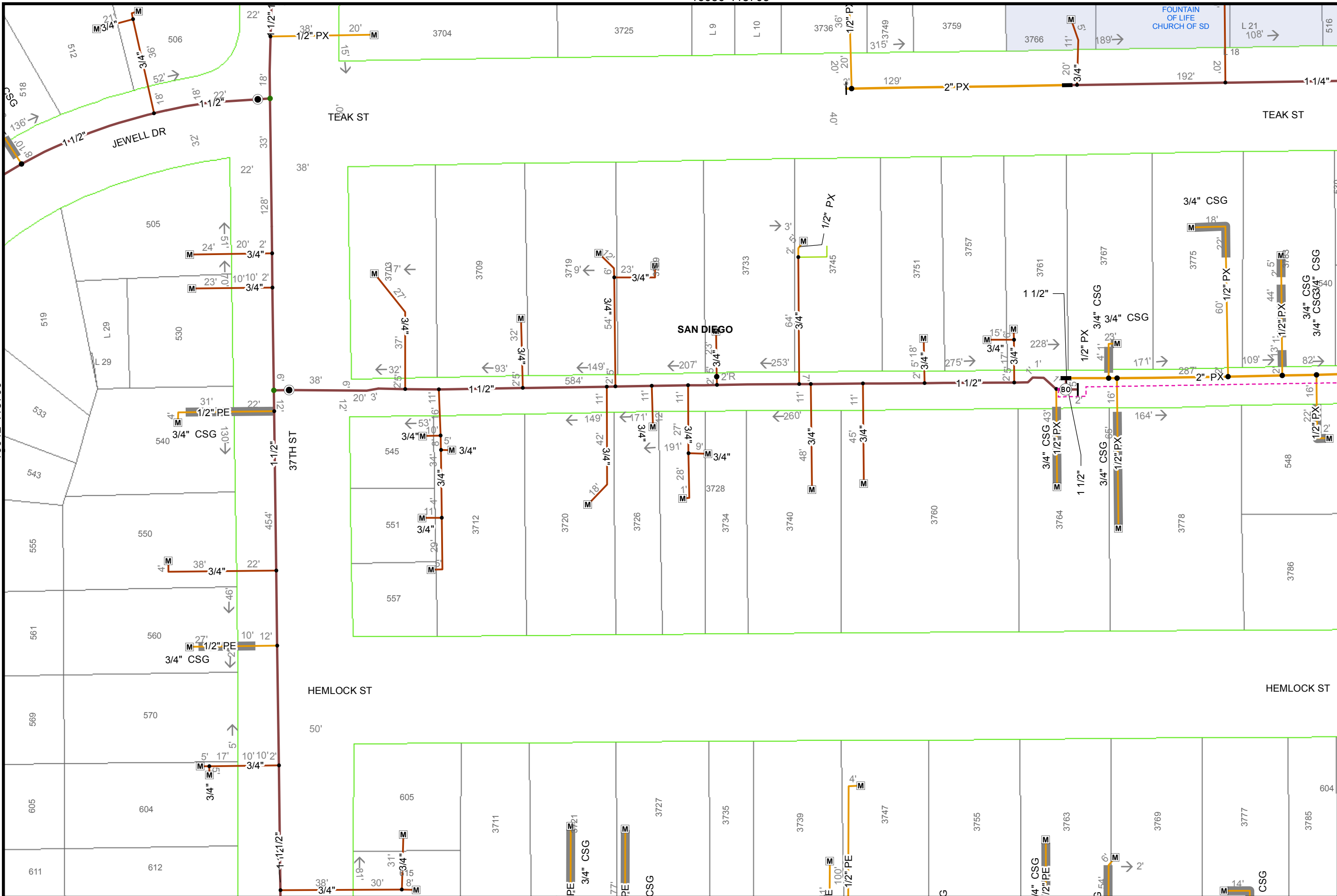
50
Feet

Map Number:	16050-118695
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16057-118695
118695



Map Number:	16050-118700
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

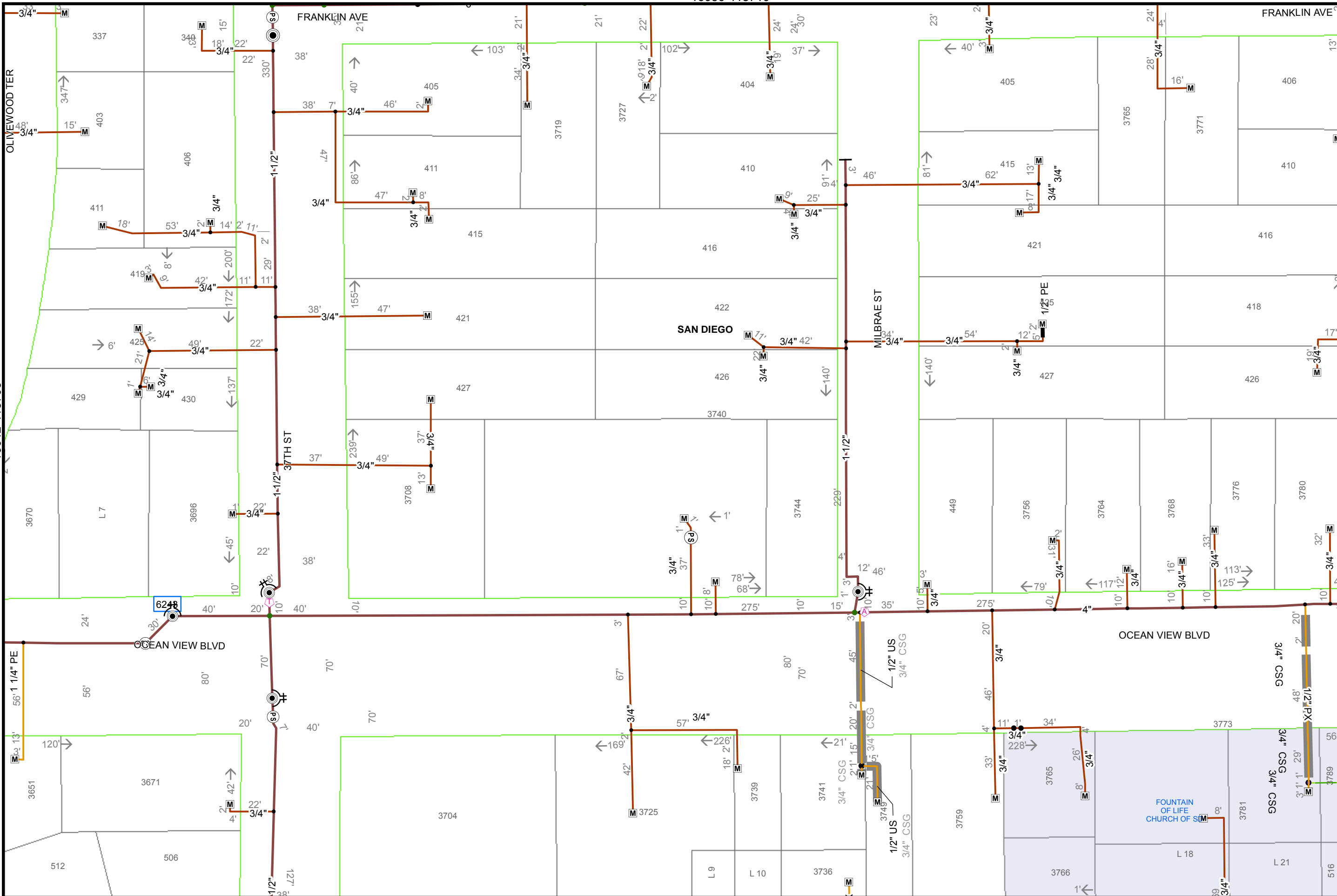
SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16057-118700

16042-118705

16050-118710



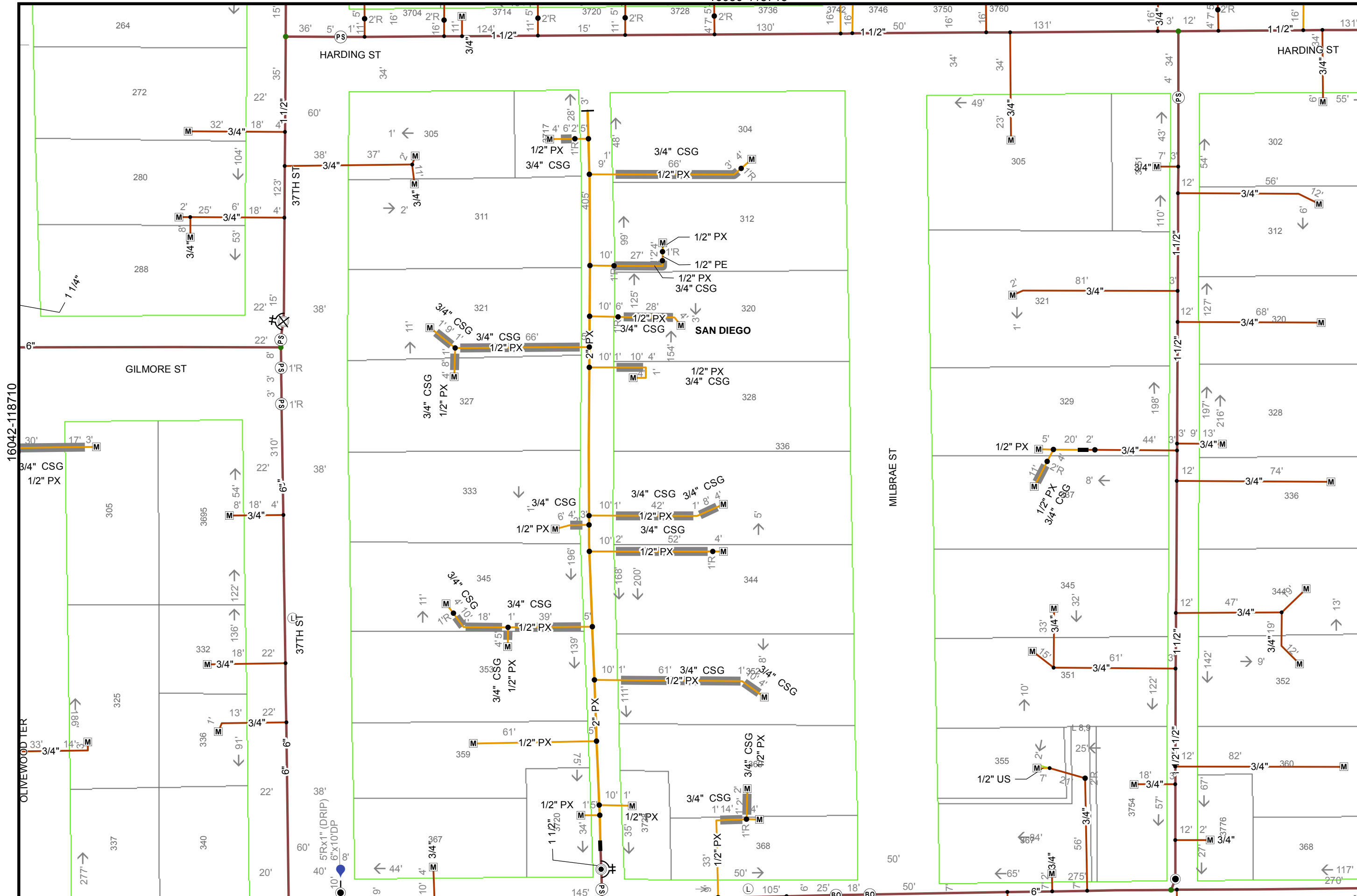
50
Feet

Map Number:	16050-118705
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16050-118715



Map Number:	16050-118710
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16042-118710

16050-118705

LA VISTA CEMETARY

3668

L 1347

IMPERIAL AVE

IMPERIAL AVE



50

Feet

Map Number: 16050-118715

Map Type: Gas Asset Map

Printed By: shawkin2

Printed Date: 5/16/2016

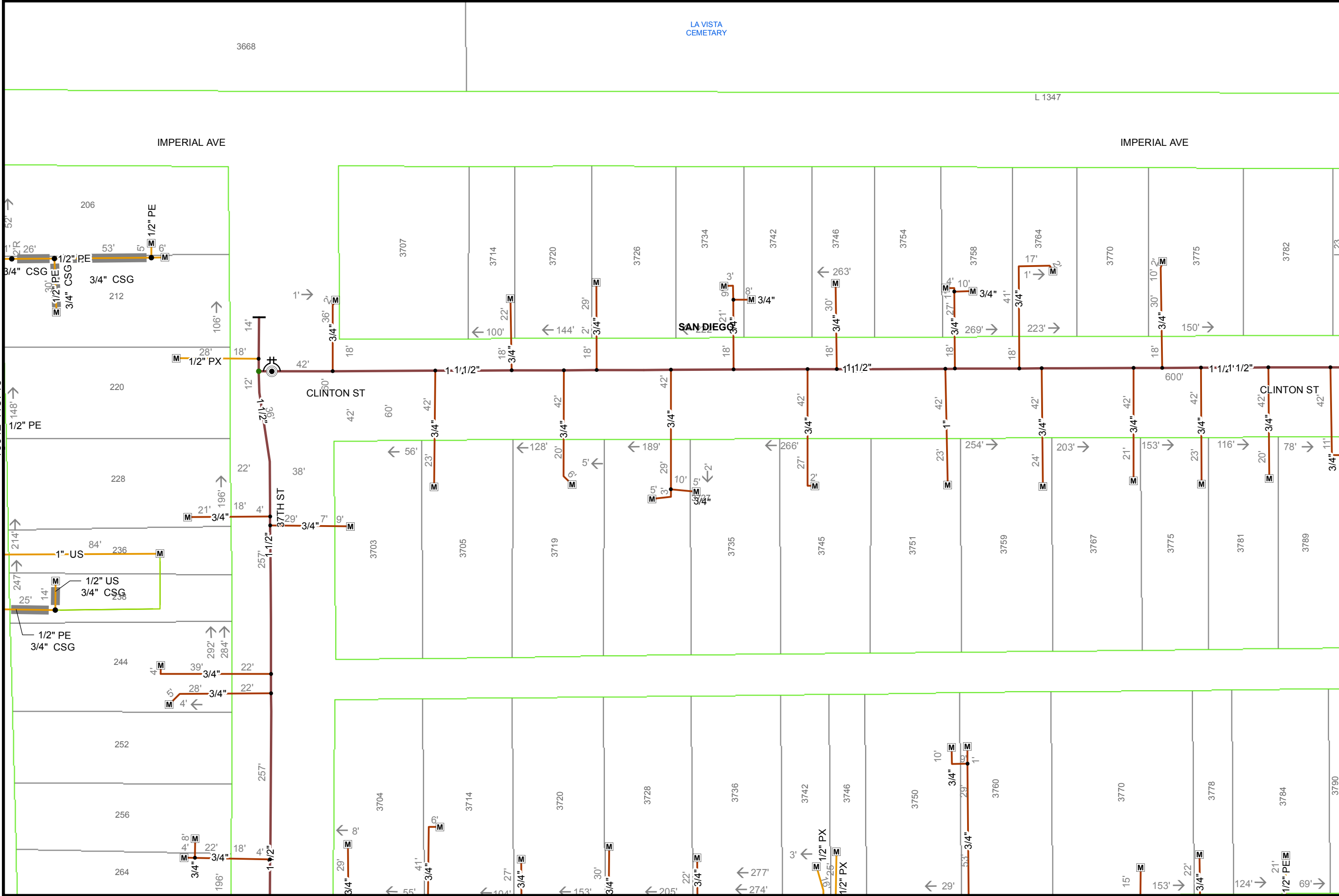
16057-118715

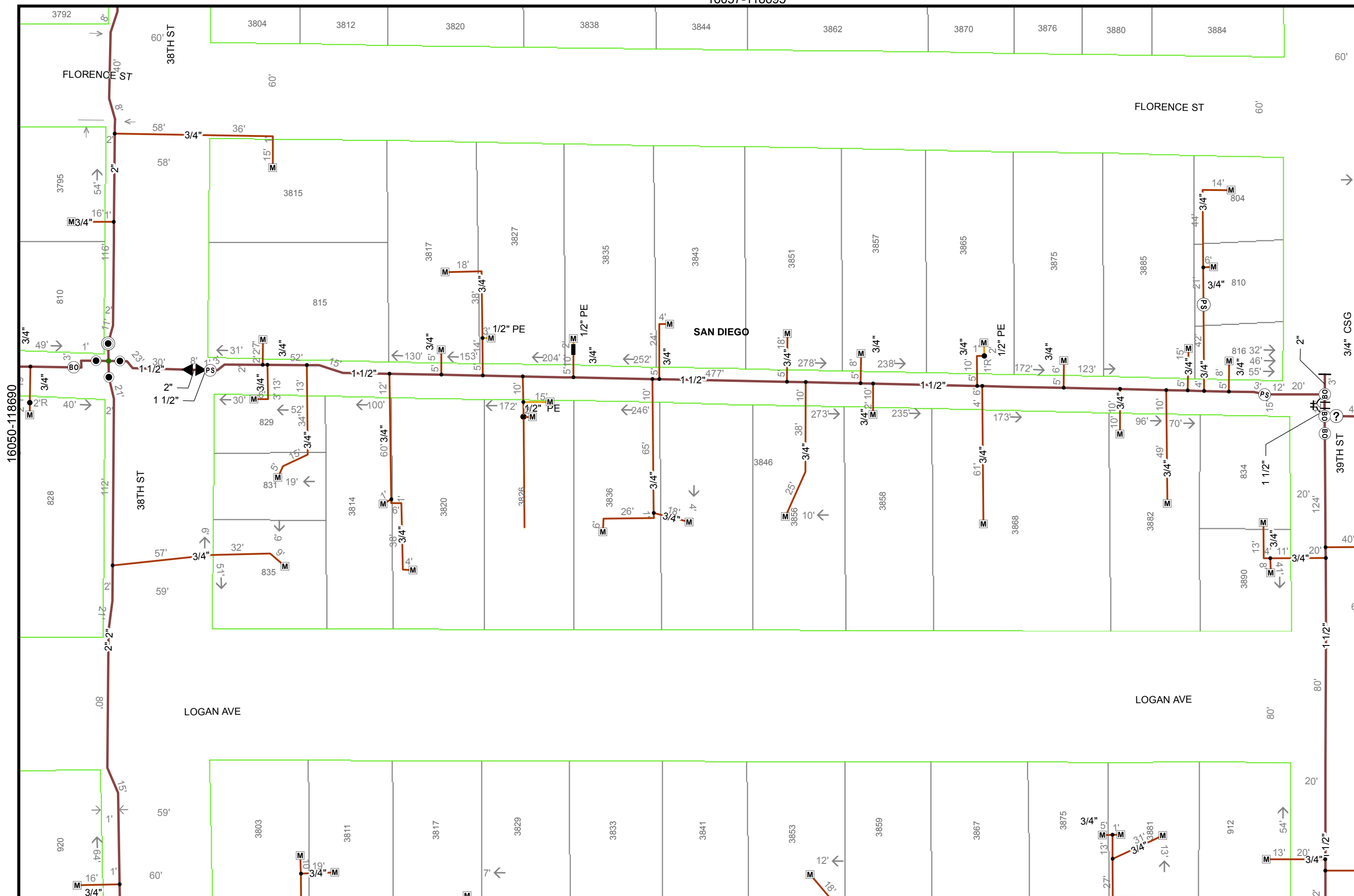
SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



Sempra Energy utility

16042-118715





50
Feet

Map Number:	16057-118690
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



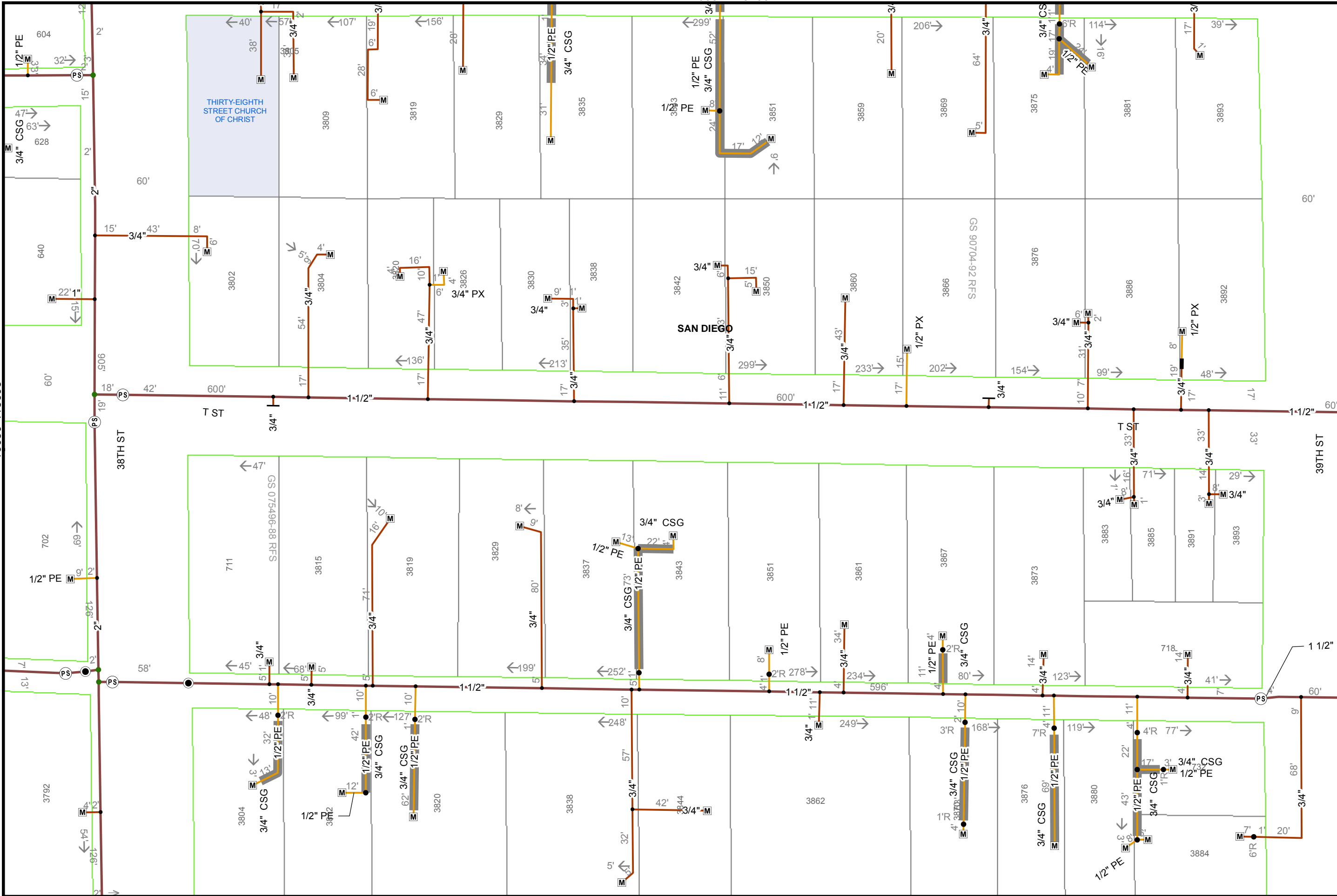
16050-118690


16065-118690

16050-118695

16057-118700

16057-118690



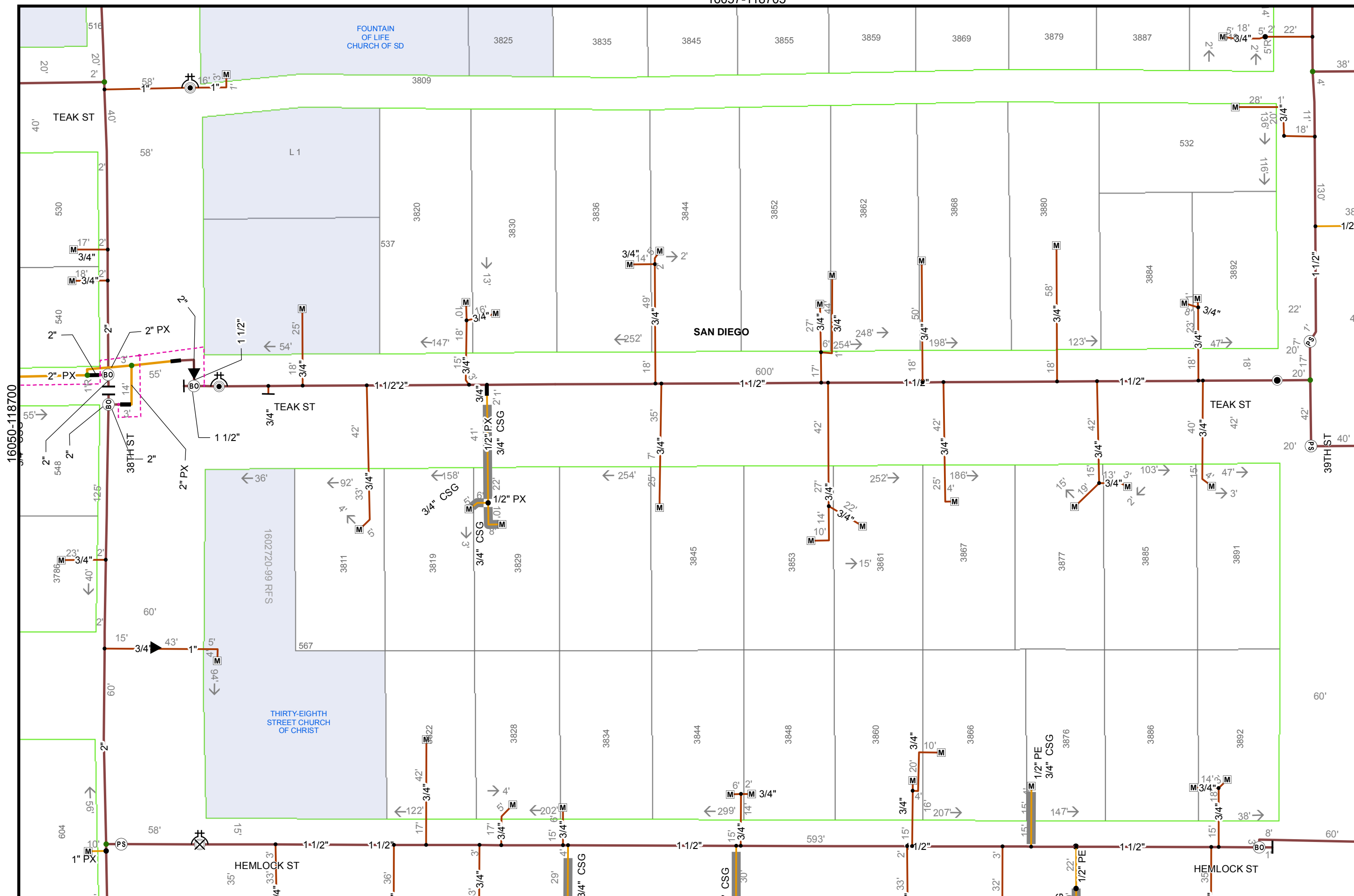

 50
 Feet

Map Number:	16057-118695
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 © 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16065-118695



50
Feet

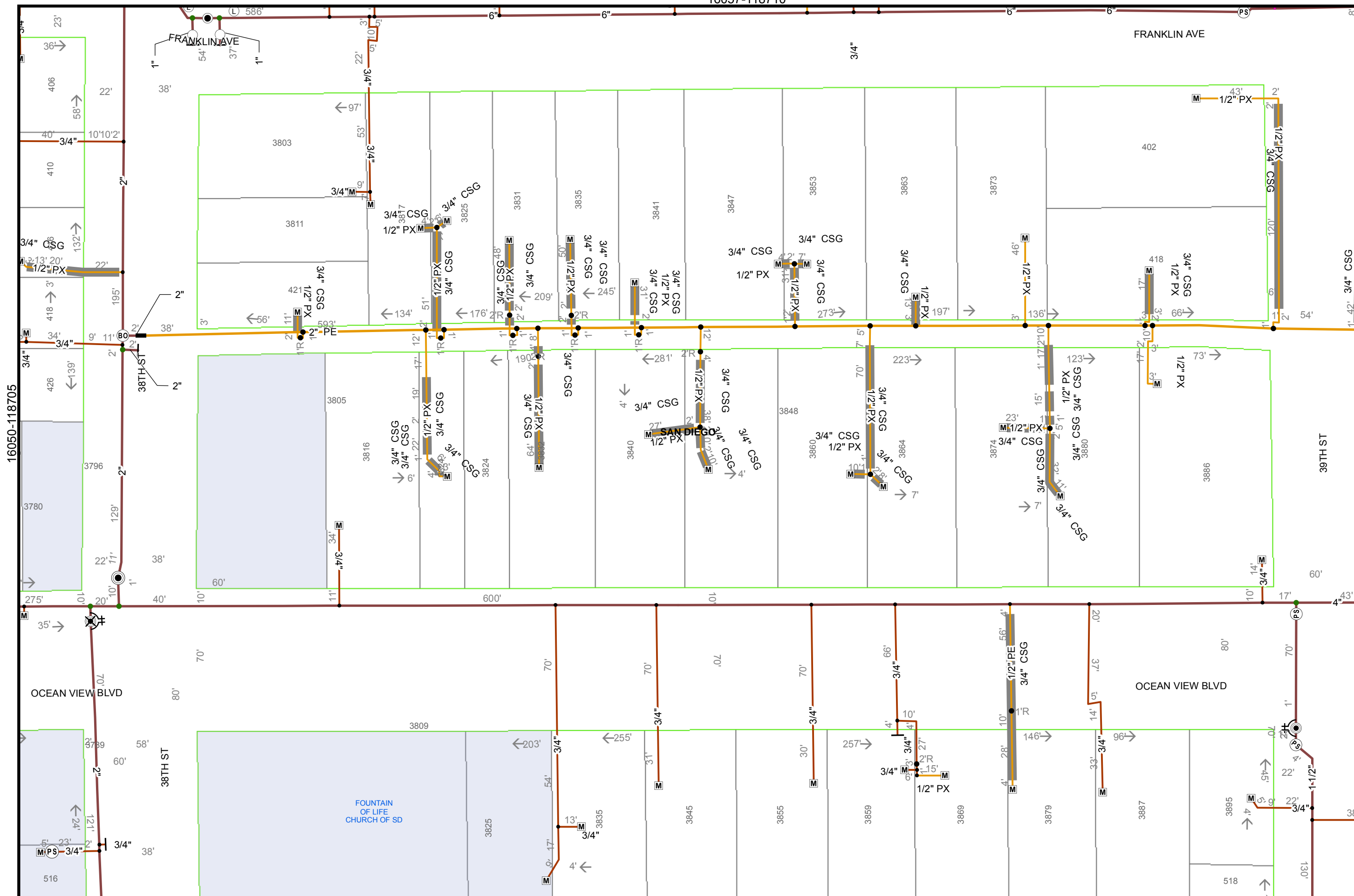
Map Number:	16057-118700
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16050-118700

16065-118700



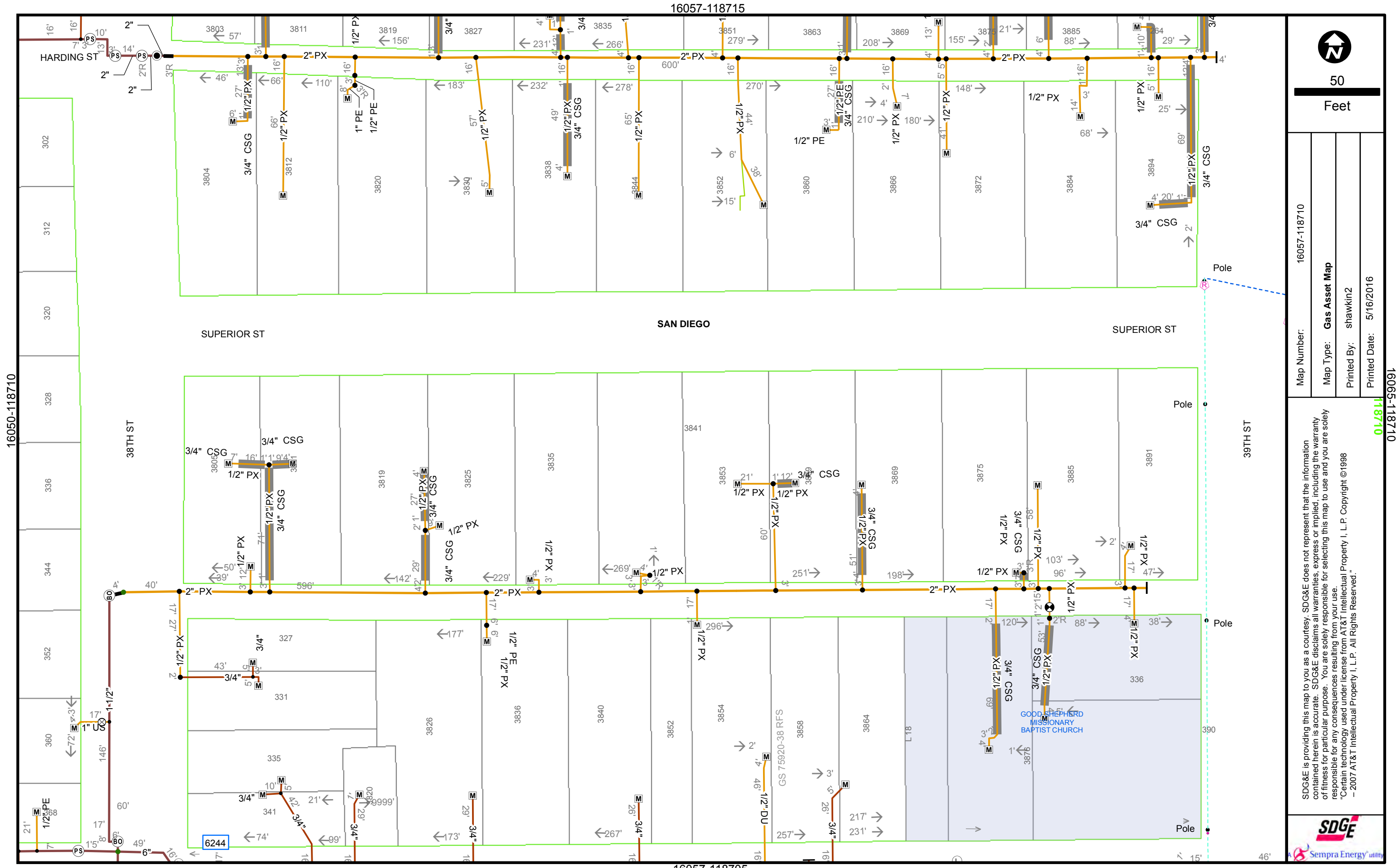
50
Feet

Map Number:	16057-118705
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."

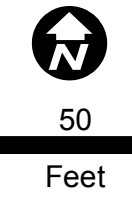


16050-118710



16057-118715

16057-118705



Map Number: 16057-118710
 Map Type: Gas Asset Map
 Printed By: shawkin2
 Printed Date: 5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16065-118710
118710

LA VISTA CEMETARY

L 1347

IMPERIAL AVE

IMPERIAL AVE

SUPERBA ST

SUPERBA ST

16050-118715

16065-118715



50

Feet

Map Number: 16057-118715

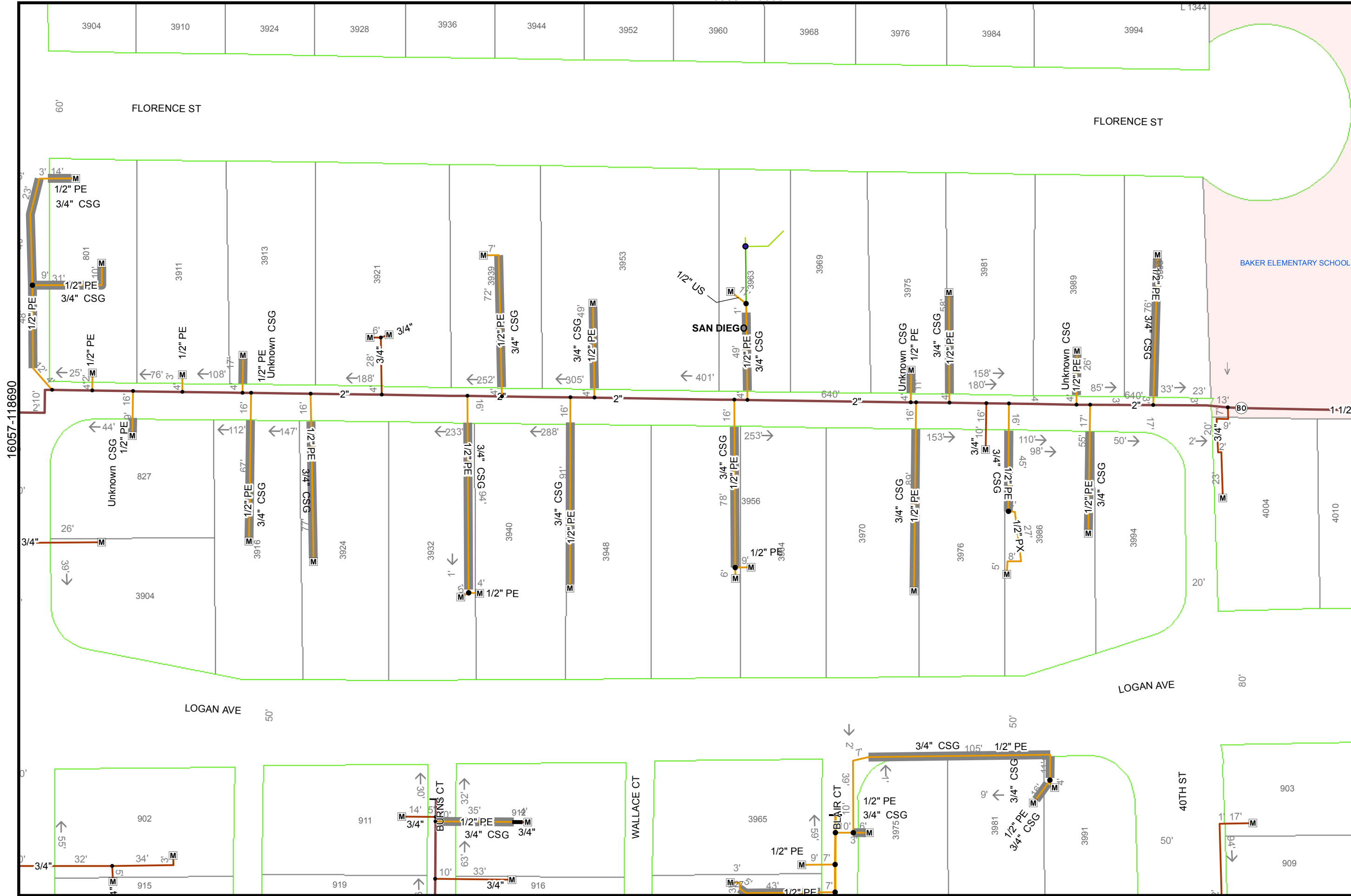
Map Type: Gas Asset Map

Printed By: shawkin2

Printed Date: 5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.





50
Feet

Map Number:	16065-118690
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



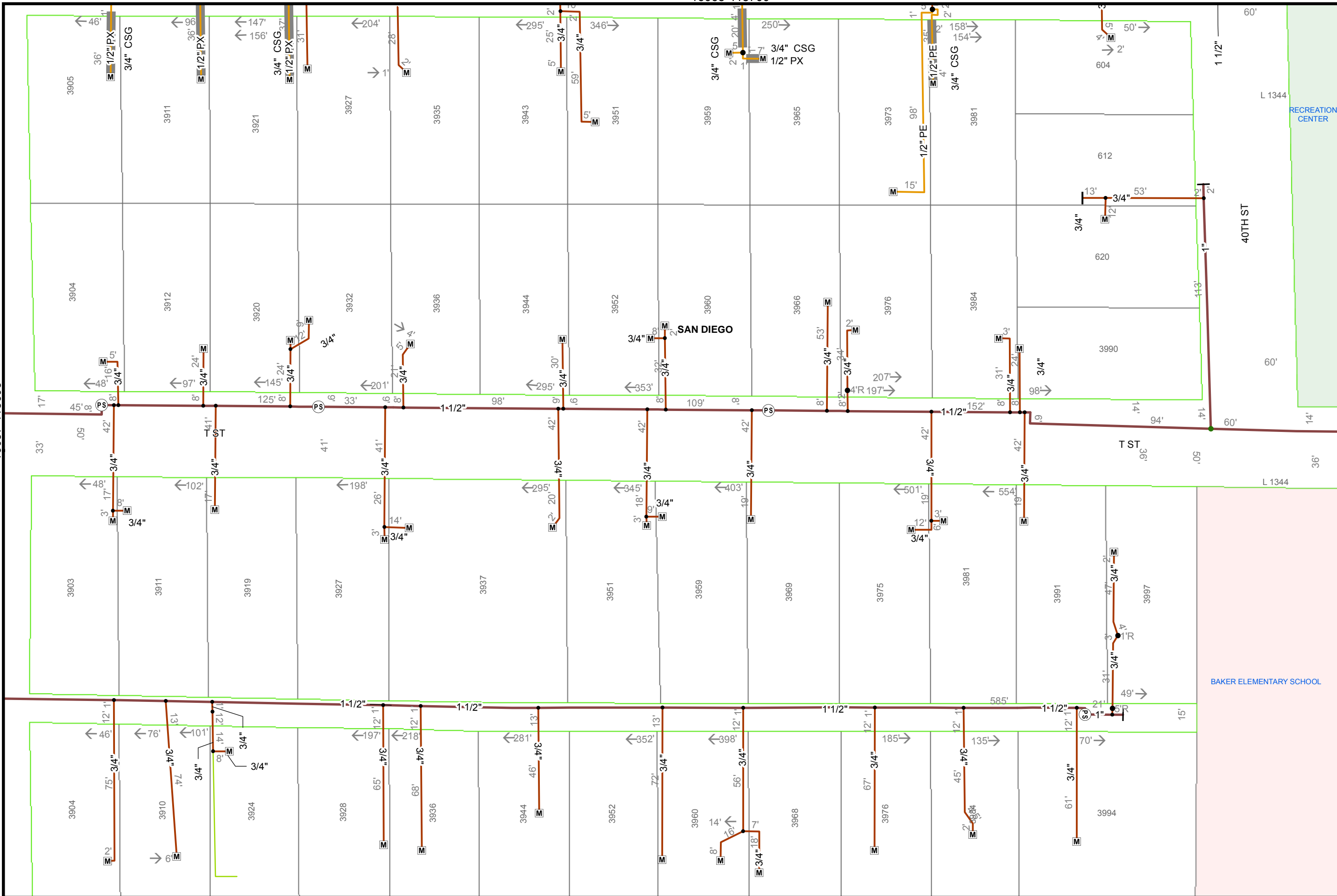
16057-118690

16072-118690
118690

16057-118695

16065-118700

16065-118690



50
Feet

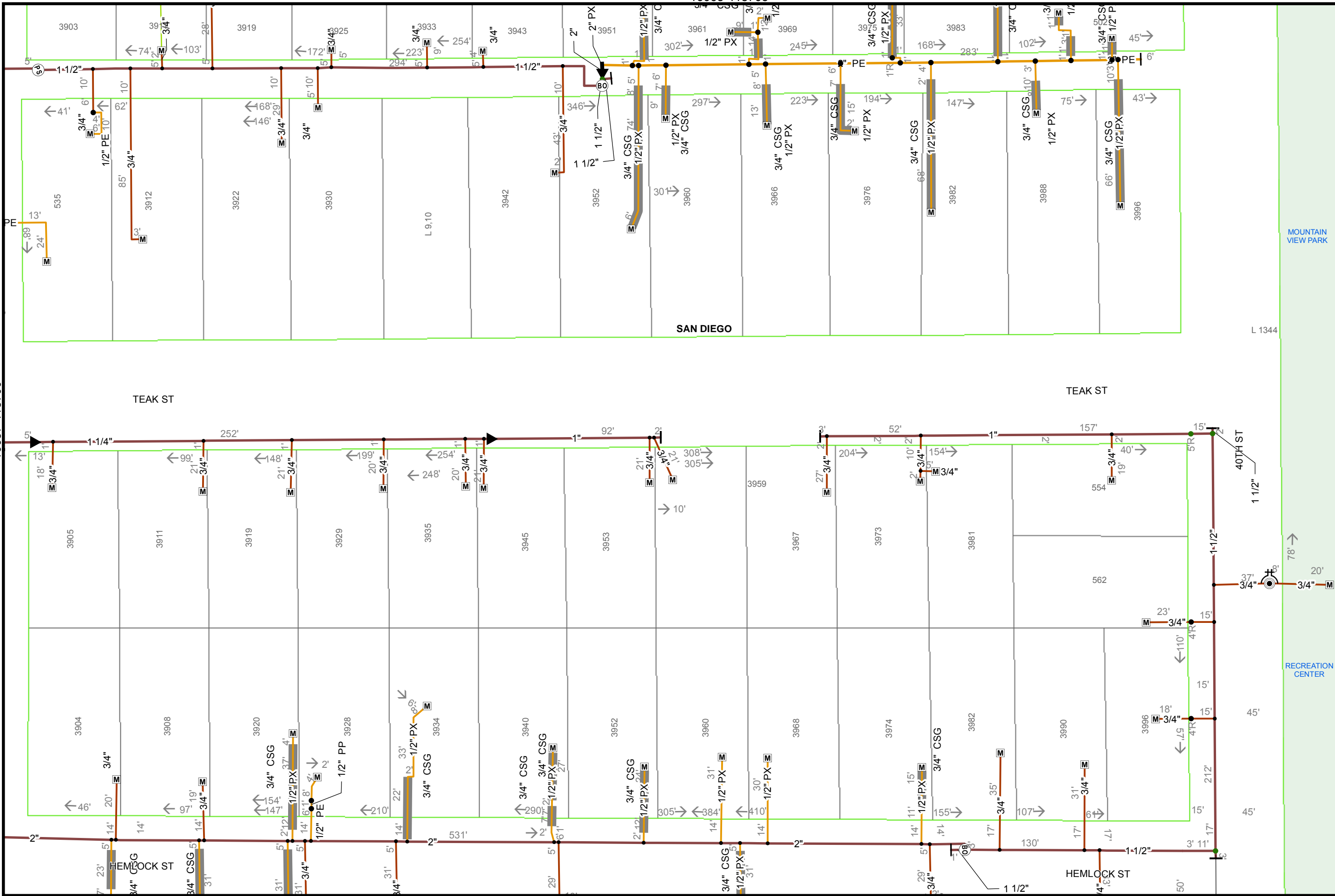
Map Number:	16065-118695
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16072-118695
118695

16057-118700



16065-118705

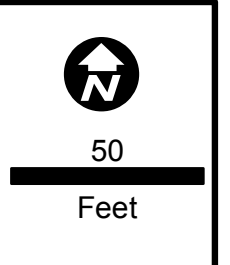
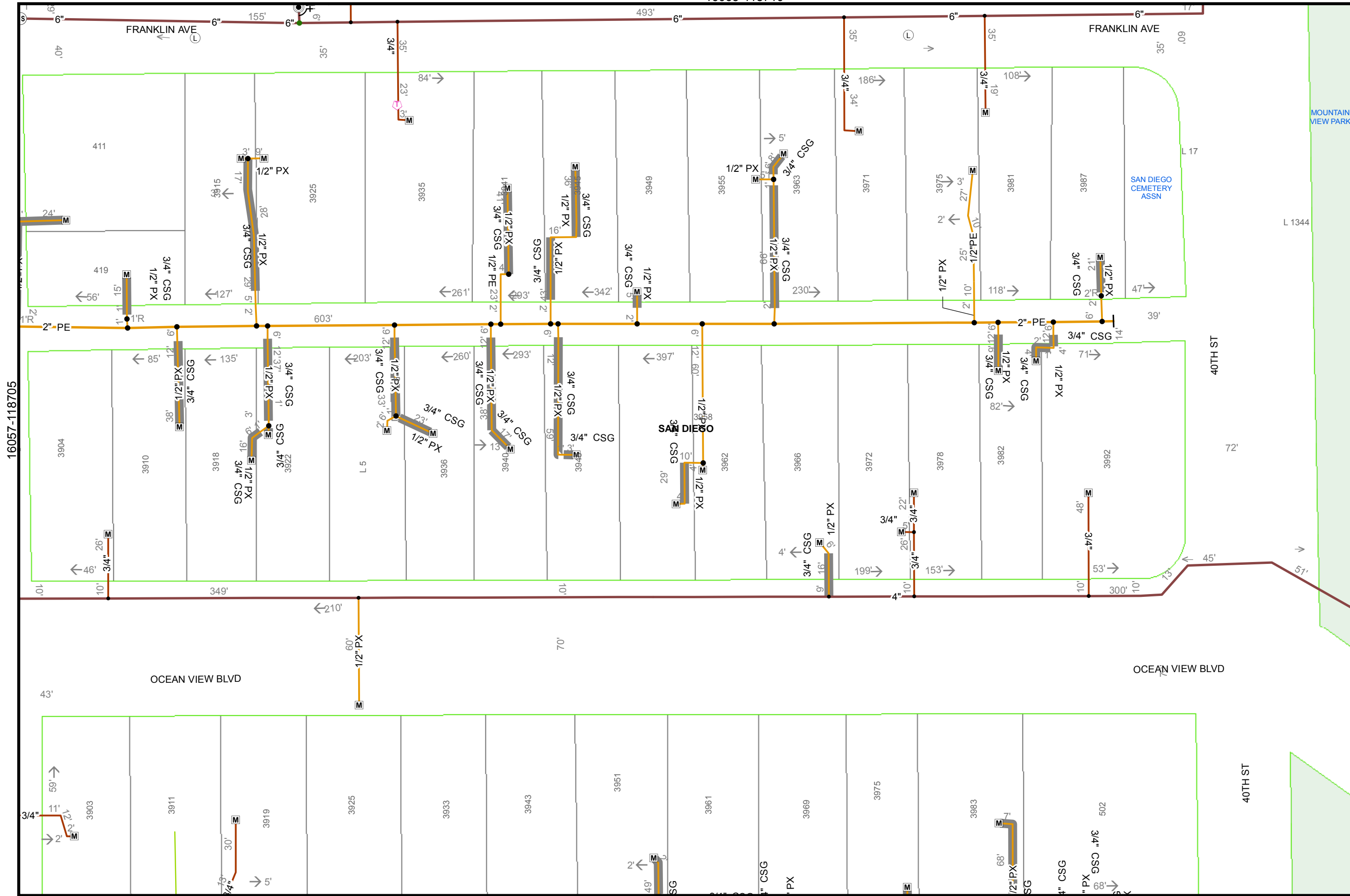
16065-118695

Map Number: 16065-118700
 Map Type: Gas Asset Map
 Printed By: shawkin2
 Printed Date: 5/16/2016

Map Number: 16065-118700
 Map Type: Gas Asset Map
 Printed By: shawkin2
 Printed Date: 5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."





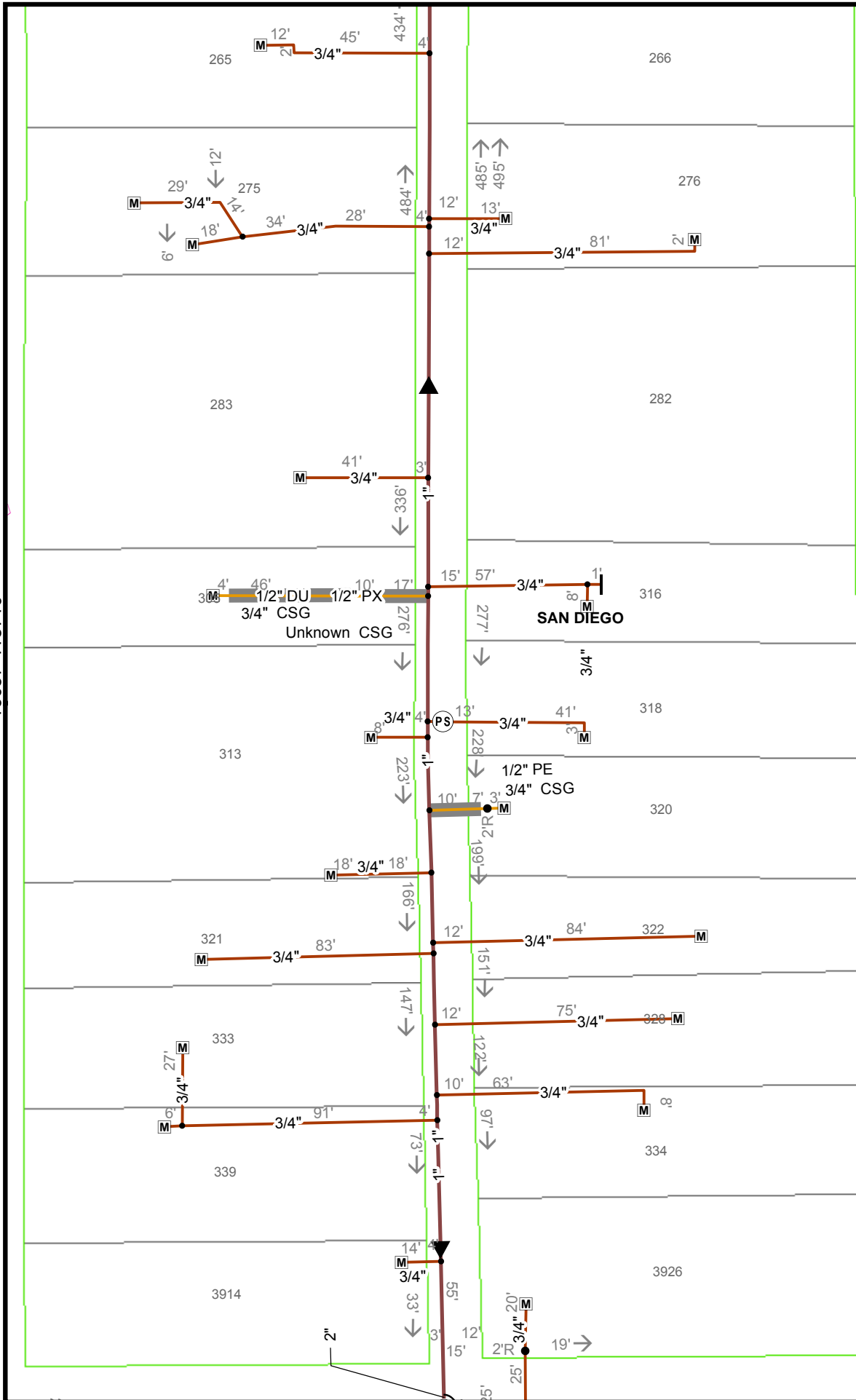
Map Number:	16065-118705
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16057-118705

16072-118705



ADA AVE



CYPRESS VIEW MAUSOLEUM

MOUNTAIN VIEW PARK



50

Feet

Map Number: 16065-118710

Map Type: Gas Asset Map

Printed By: shawkin2

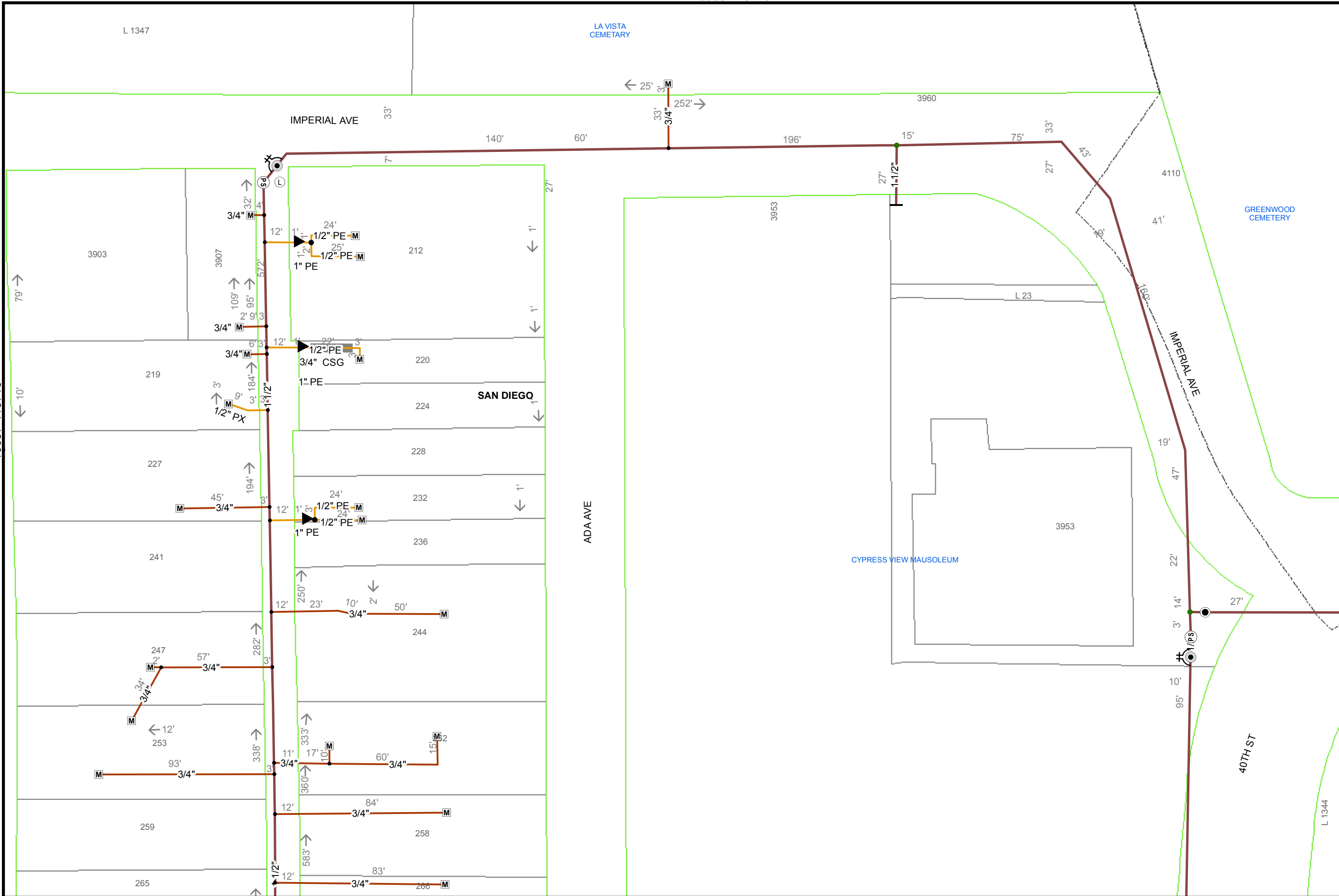
Printed Date: 5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.

© 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



Sempra Energy utility



50

Feet

Map Number: 16065-118715

Map Type: Gas Asset Map

Printed By: shawkin2

Printed Date: 5/16/2016

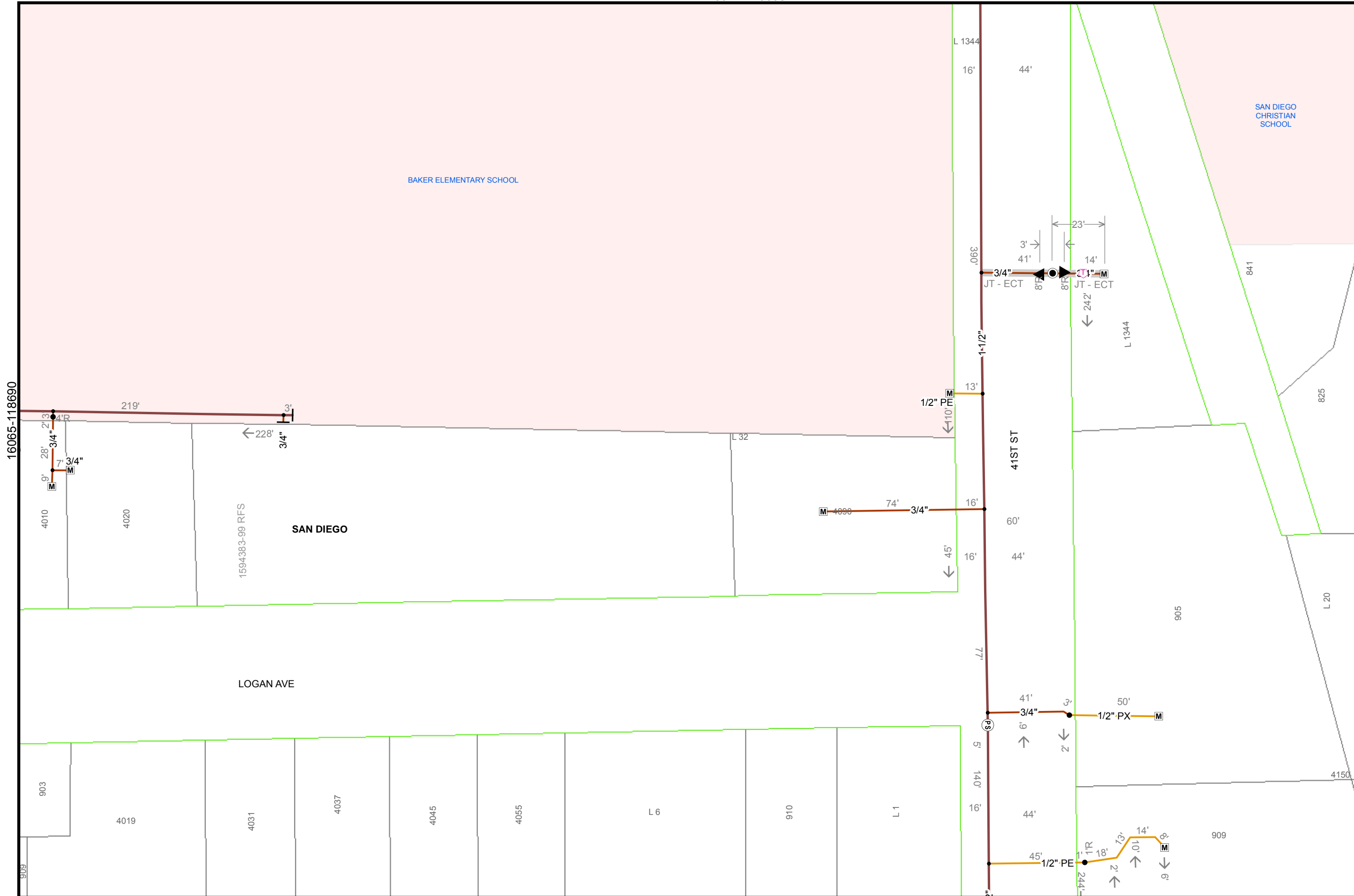
SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.

"Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."

118715

16072-118715





50
Feet

Map Number: 16072-118690

Map Type: Gas Asset Map

Printed By: shawkin2

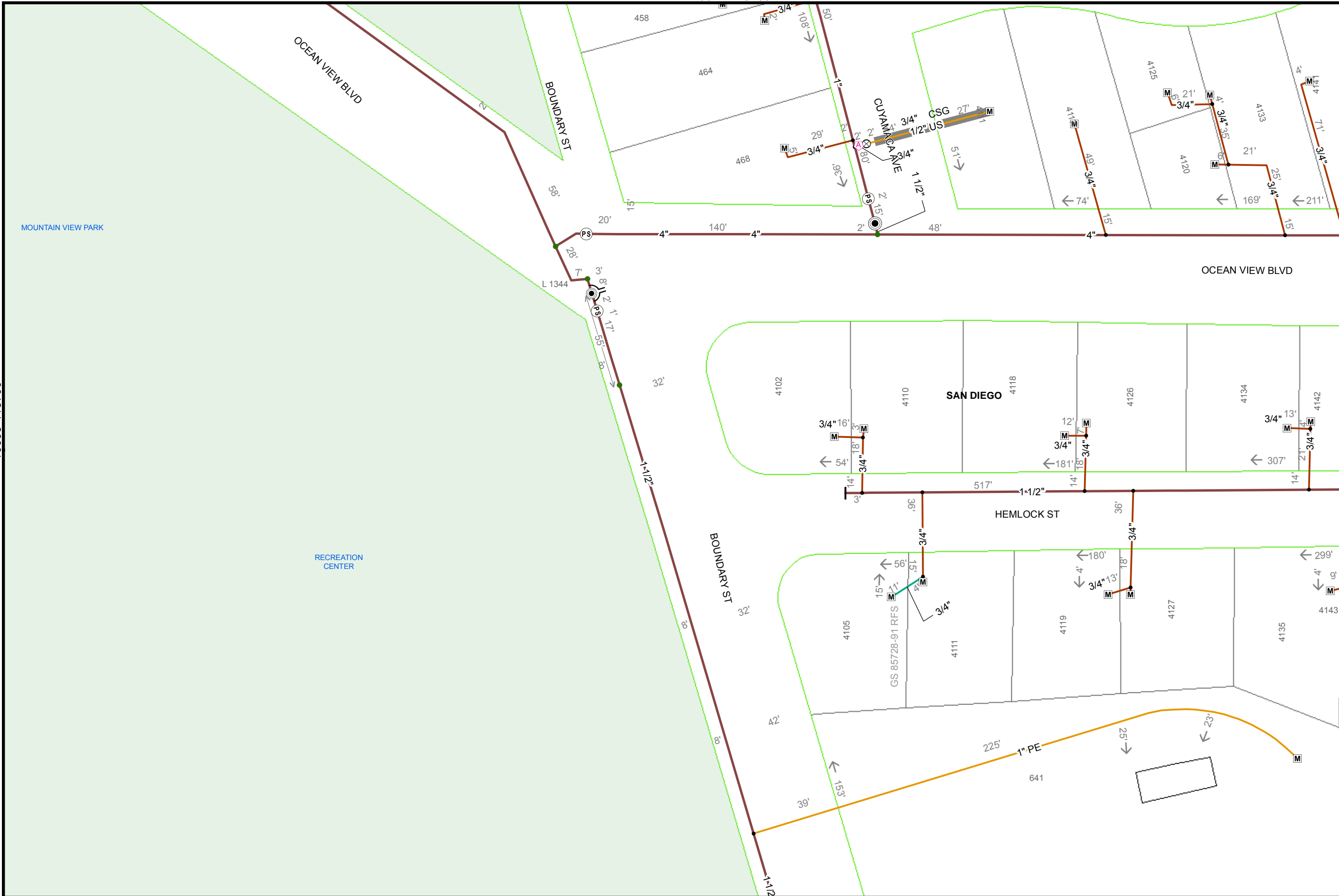
Printed Date: 5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



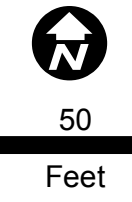
16080-118690
118690

16065-118700



16072-118705

16072-118695

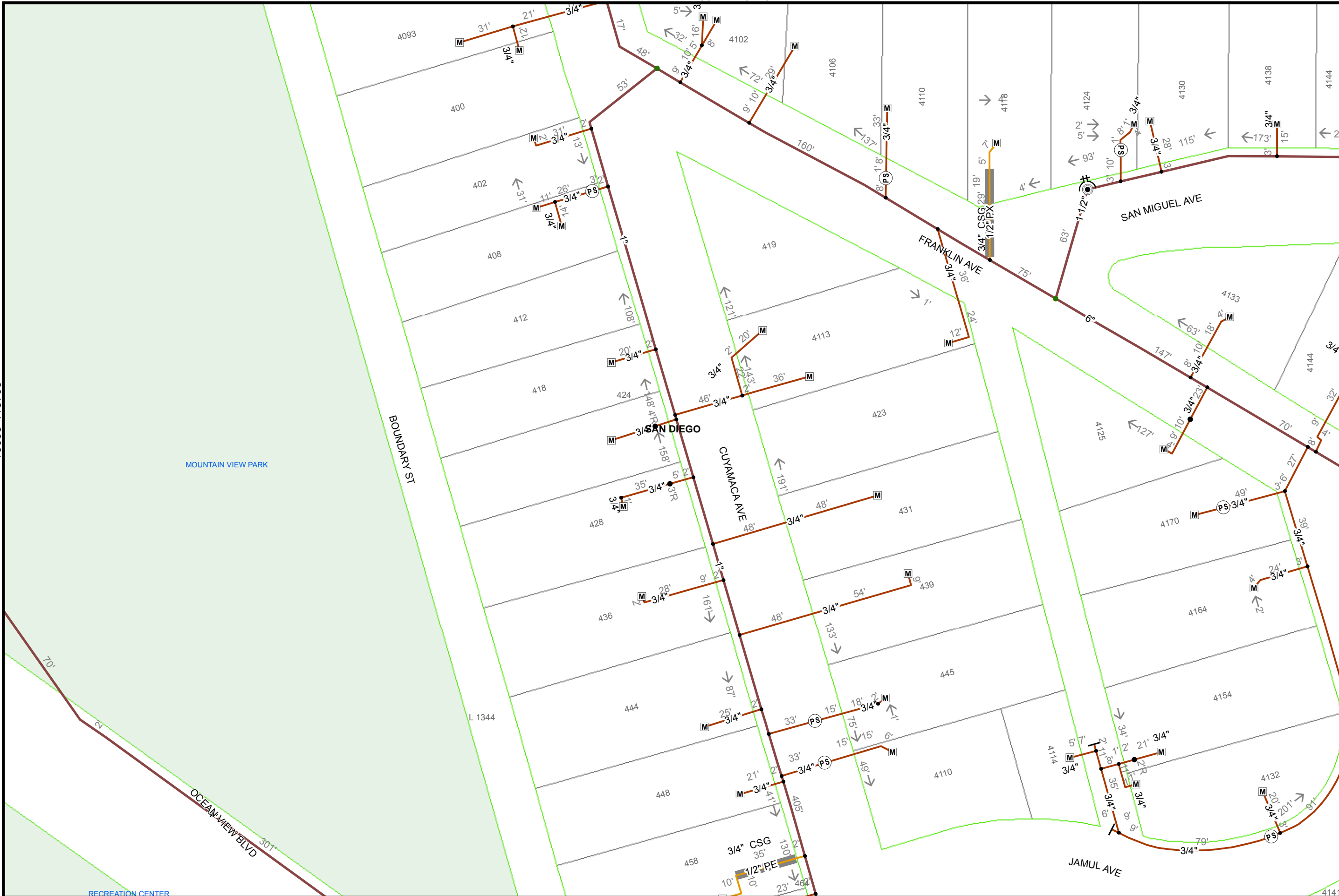


Map Number:	16072-118700
Map Type:	Gas Asset Map
Printed By:	shawkin2
Printed Date:	5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 "Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright ©1998
 - 2007 AT&T Intellectual Property I, L.P. All Rights Reserved."



16065-118705



16072-118710

16072-118700



50
Feet

Map Number: 16072-118705

Map Type: Gas Asset Map

Printed By: shawkin2

Printed Date: 5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

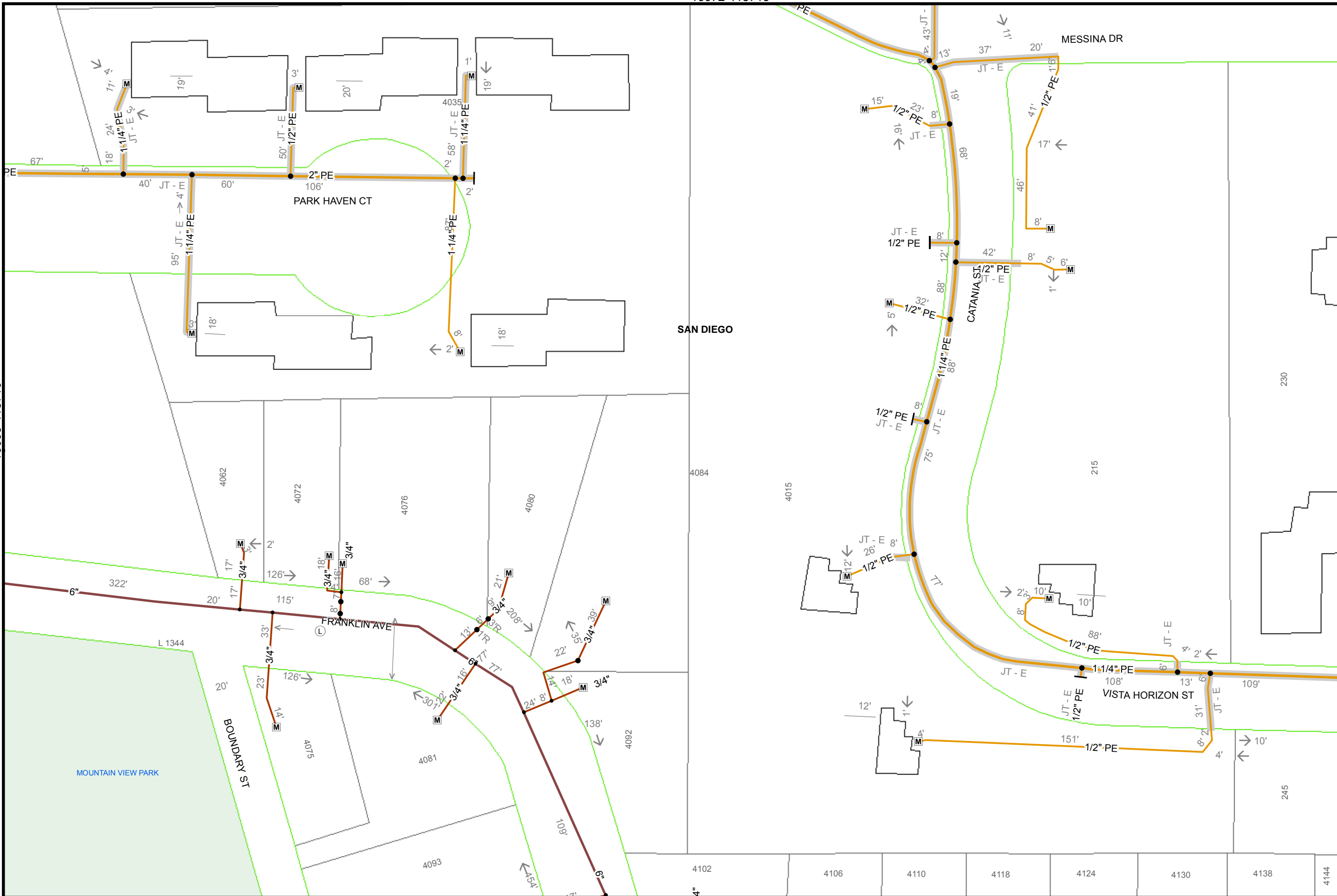


16080-118705

16065-118710

16072-118715

16072-118705



50
Feet

Map Number: 16072-118710
 Map Type: Gas Asset Map
 Printed By: shawkin2
 Printed Date: 5/16/2016

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
 ©2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



16080-118710
 118710



50

Feet

Map Number: 16072-118715

Map Type: Gas Asset Map

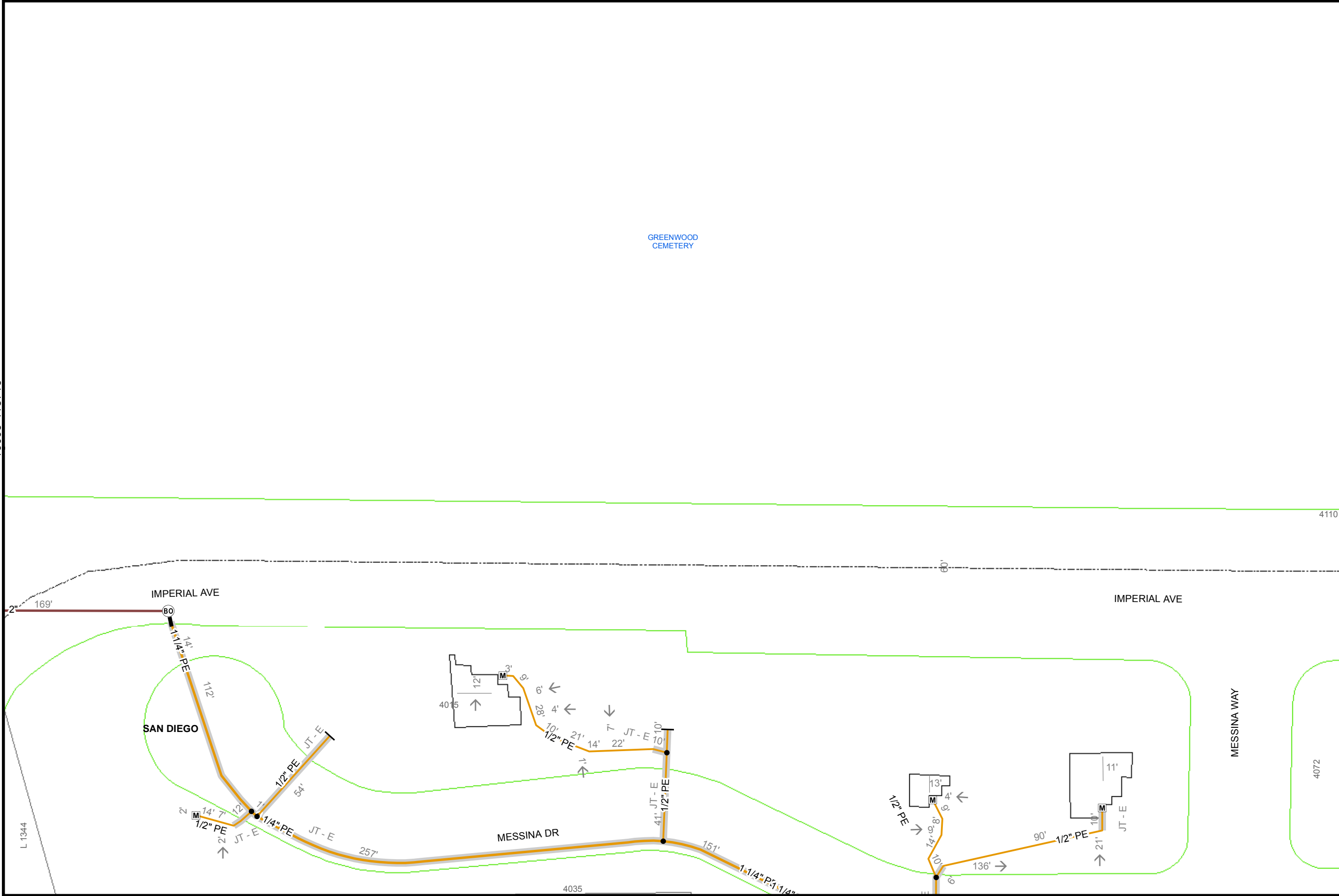
Printed By: shawkin2

Printed Date: 5/16/2016

16080-118715

118715

SDG&E is providing this map to you as a courtesy. SDG&E does not represent that the information contained herein is accurate. SDG&E disclaims all warranties, express or implied, including the warranty of fitness for particular purpose. You are solely responsible for selecting this map to use and you are solely responsible for any consequences resulting from your use.
© 2007 AT&T Intellectual Property I, L.P. All Rights Reserved.



TWC REFERENCE DRAWINGS

May 16, 2016

Steve Blantz
San Diego Dept. Of Public Works
525 B Street, Suite 750, MS 908A
San Diego, CA 92101

Requester Project: AC Water Group 1012, WBS# B-16036 – SAN DIEGO
Project Name AC Water Group 1012, WBS# B-16036 – SAN DIEGO
TWC Project:

Thank you for your recent Utility Request to Time Warner Cable for:

AC Water Group 1012, WBS# B-16036 – SAN DIEGO

Please review the attached maps for any possible conflicts with Time Warner Cable facilities.

There **ARE NOT** existing Time Warner aerial and underground facilities within

the project limits.

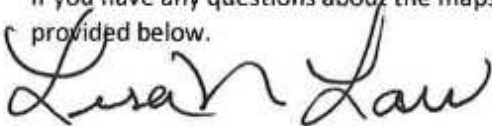
We have provided maps showing where our services are located but cannot make any comment on how to deal with possible conflicts during construction. This type of information should come from the Construction Manager, Supervisor or Construction Coordinator for the area in question.

If you should require any field meet or any further coordination of the project with Time Warner please contact the Construction Manager listed below.

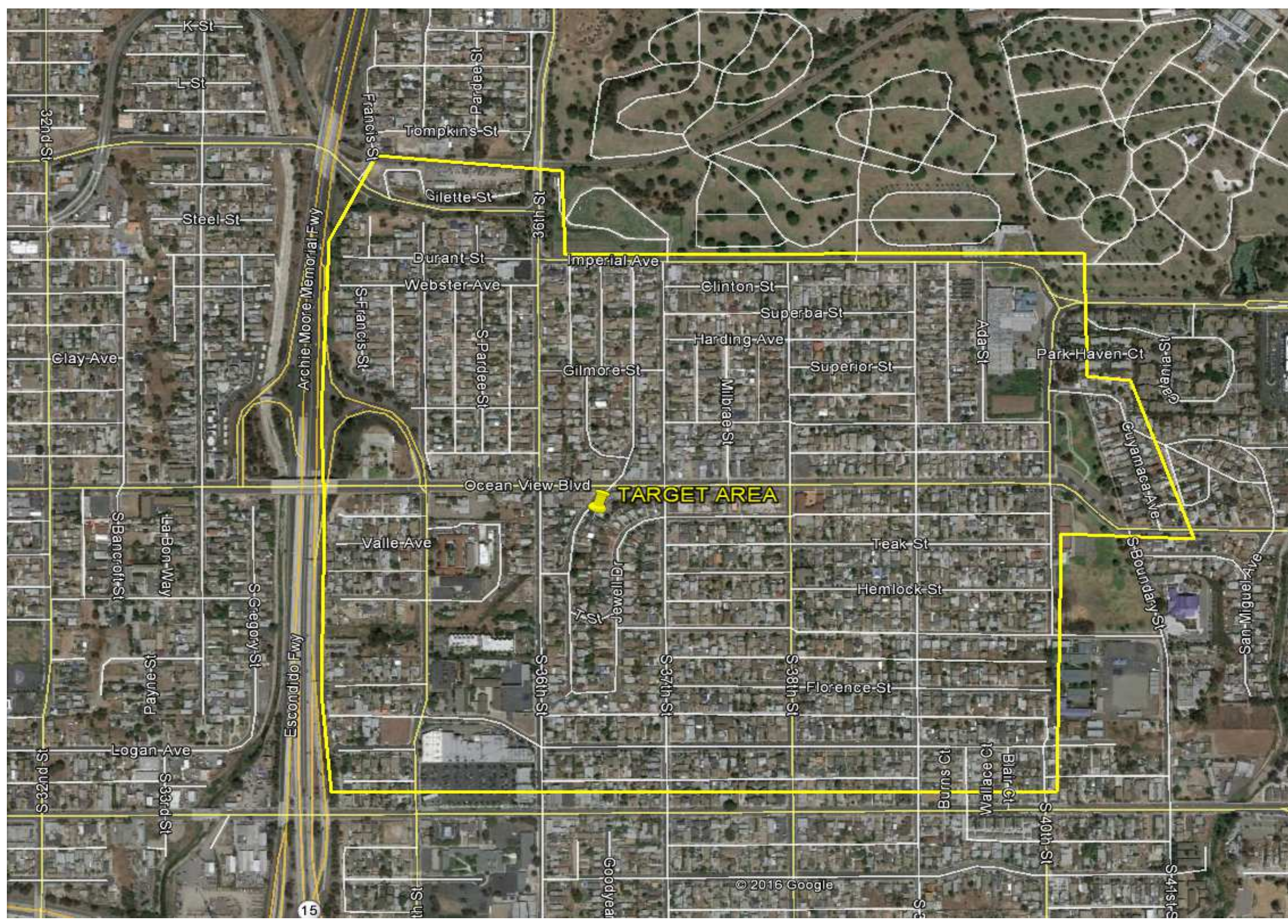
Construction Manager Contact:

Randall Starkey
Construction Manager – Zone 12
8949 Ware Court
San Diego, CA 92121
858-805-7184
randall.starkey@twcable.com

If you have any questions about the maps provided please contact Lisa Law at the information provided below.



Lisa Law
Data Operations Manager
Time Warner Cable
750 Canyon Dr
Coppell, TX 75019
West-engineering-relo@twcable.com

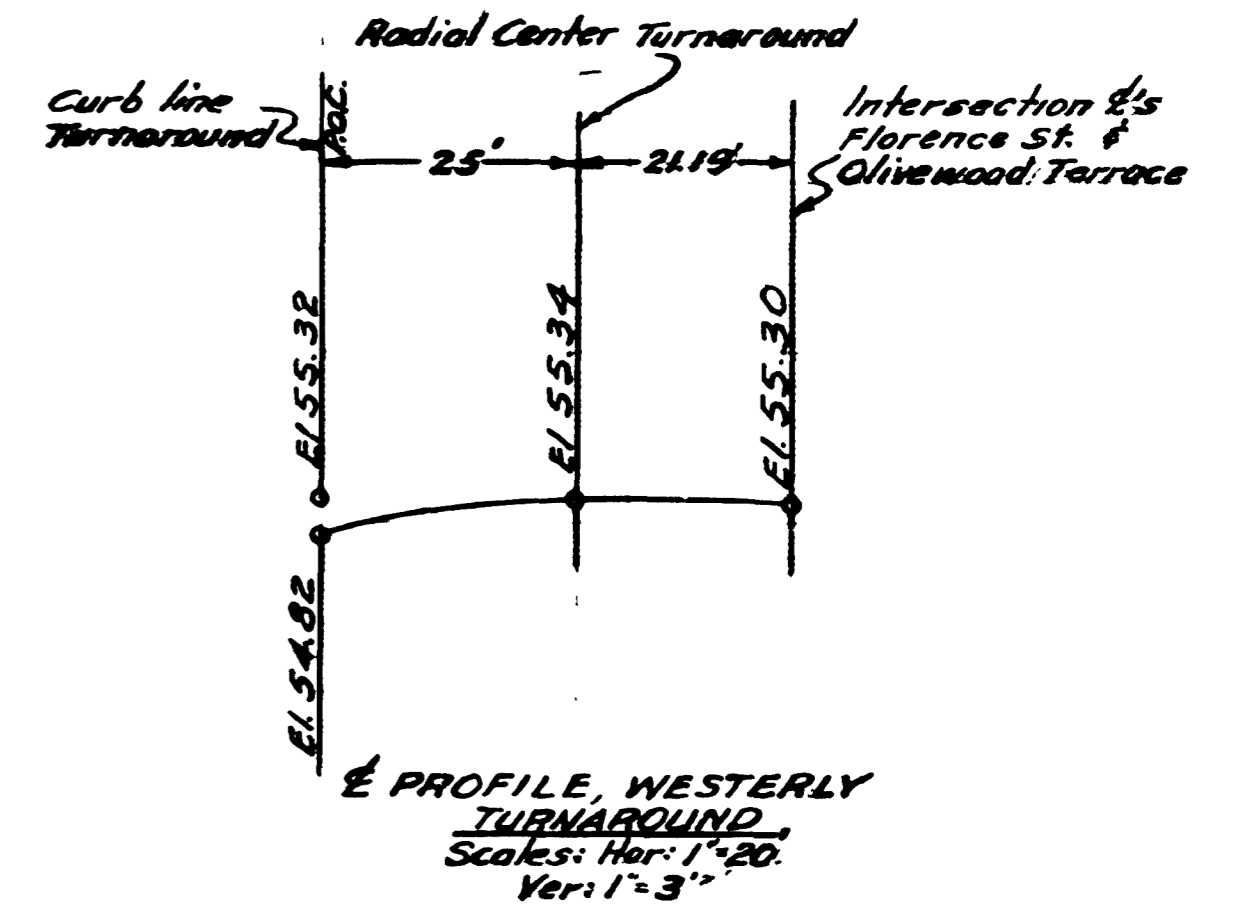
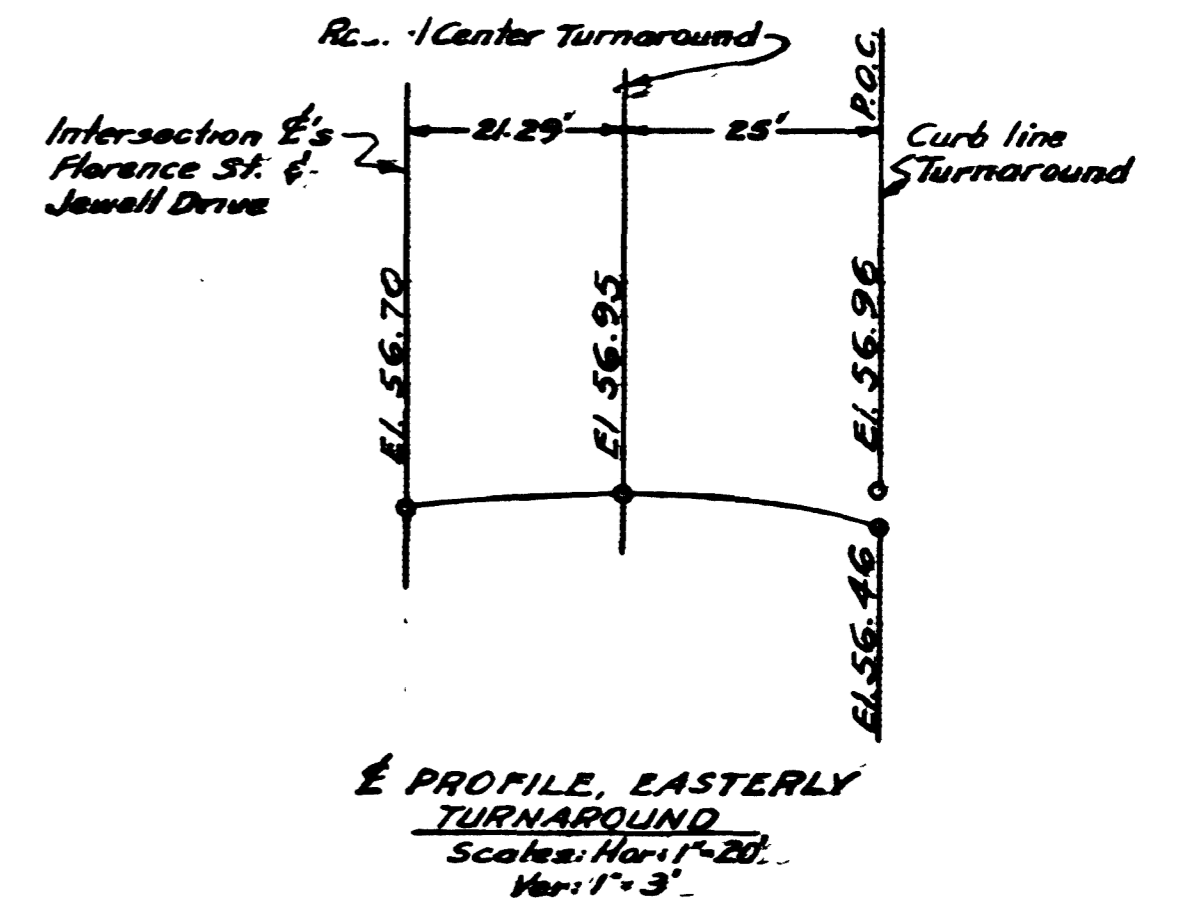
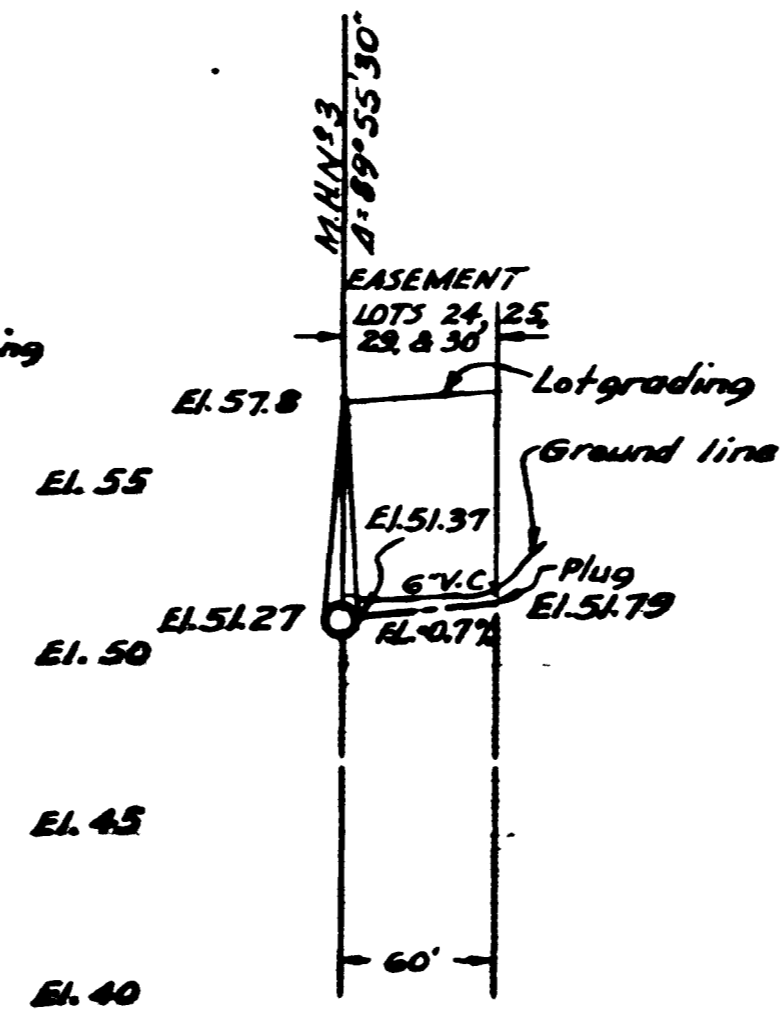
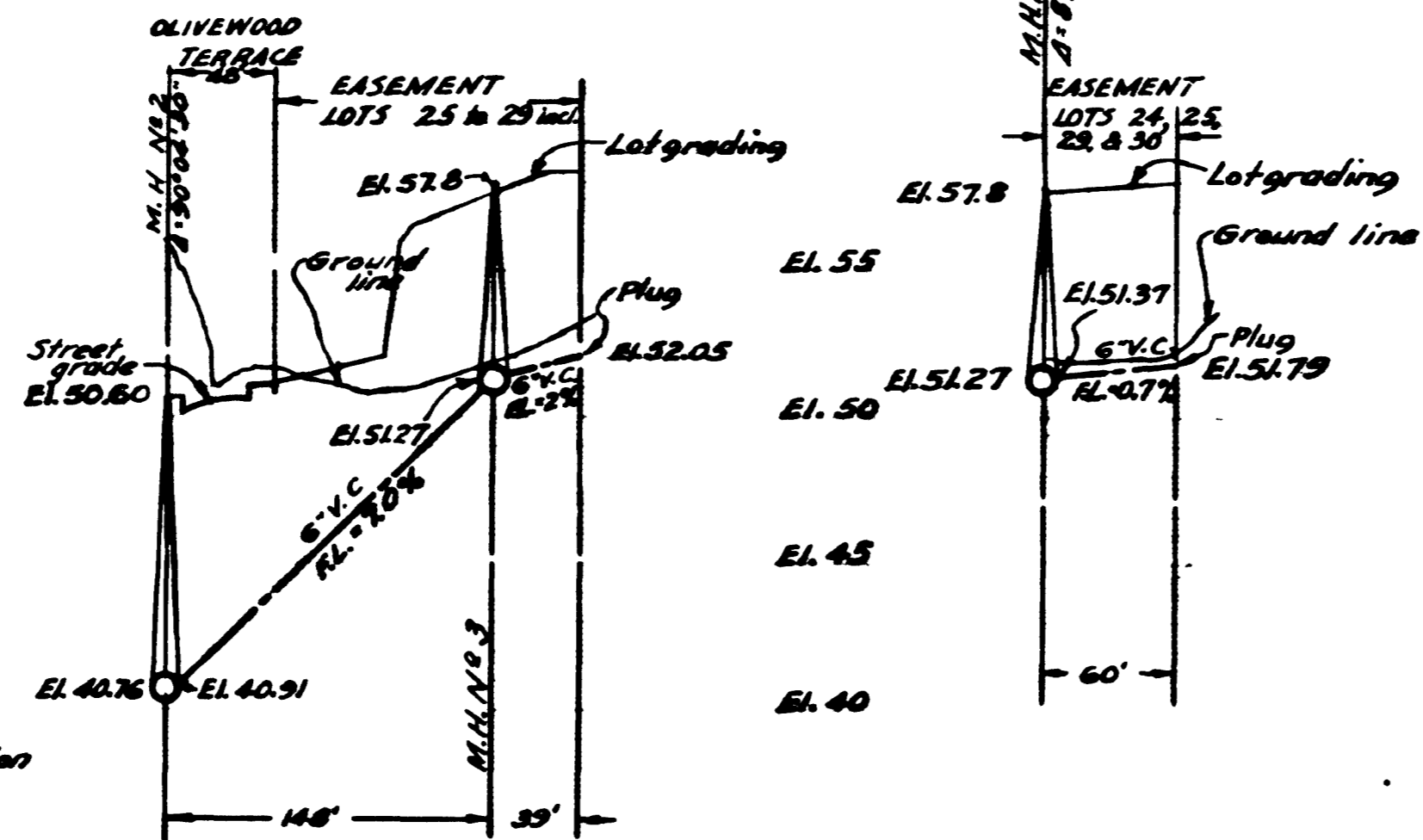
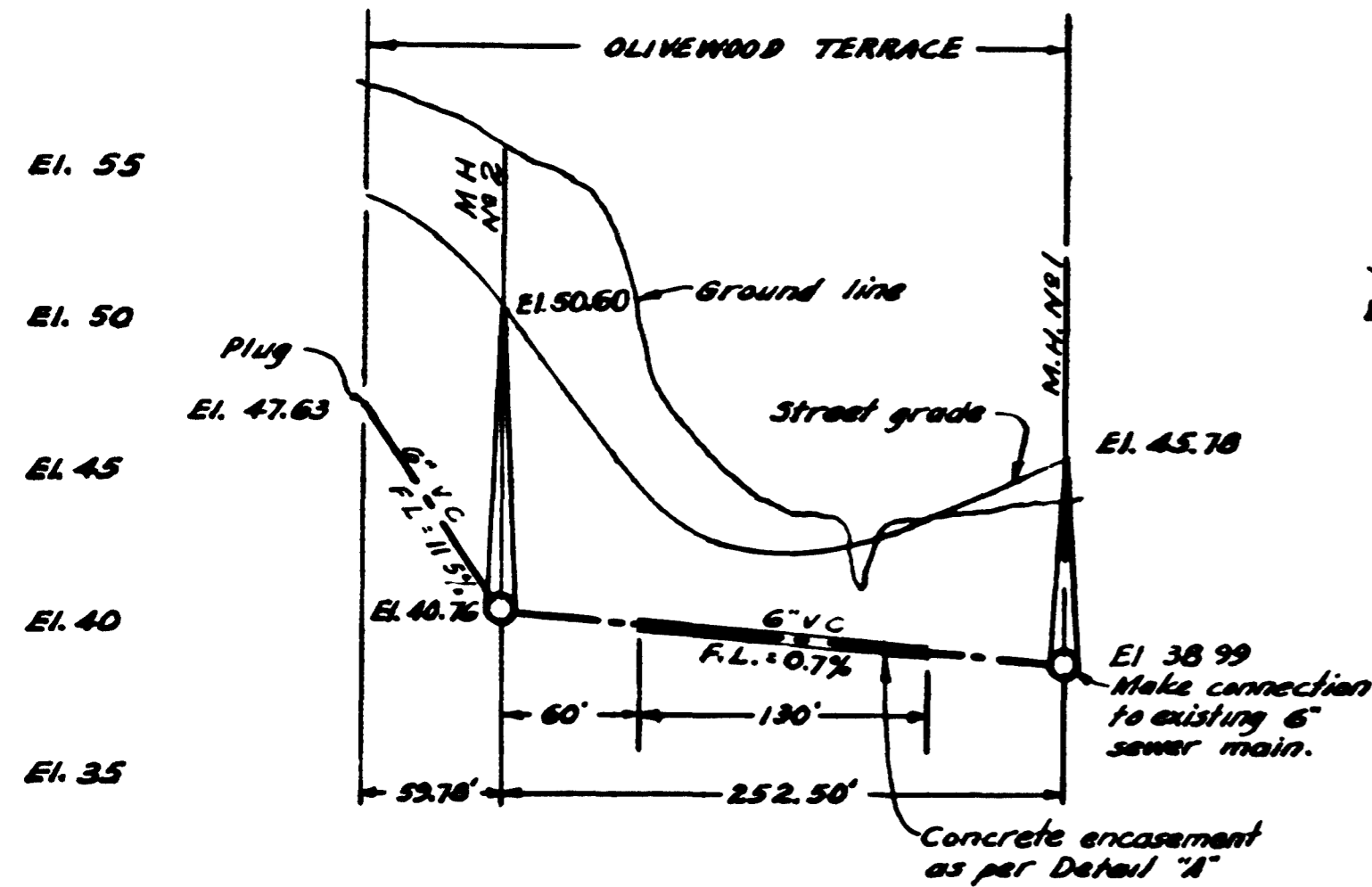


**AC Water Group 1012, WBS# B-16036
SAN DIEGO, CA**

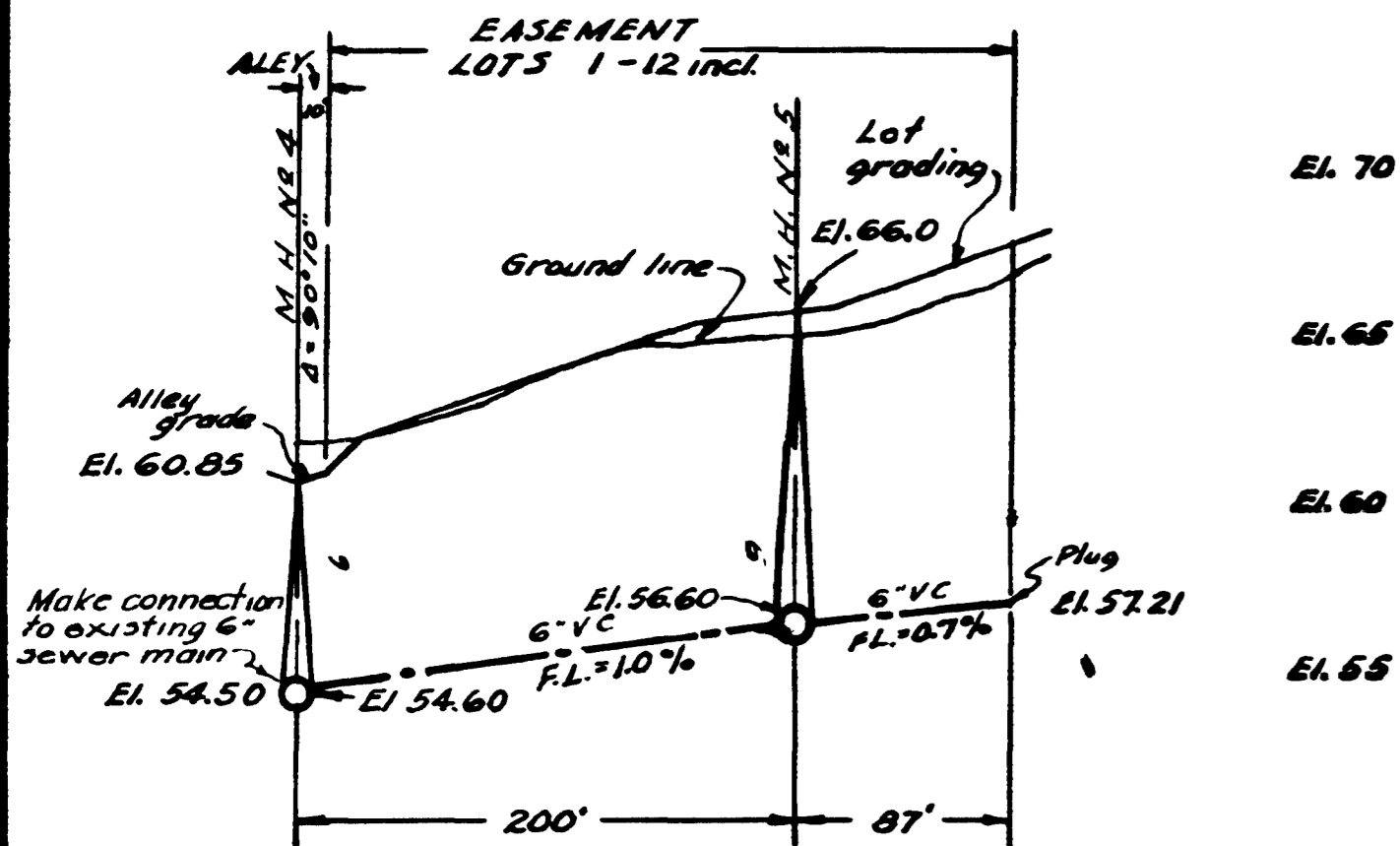
Red-existing Time Warner aerial facilities within project limits.

Green-existing Time Warner underground facilities within project limits.

WATER SEWER REFERENCE DRAWINGS

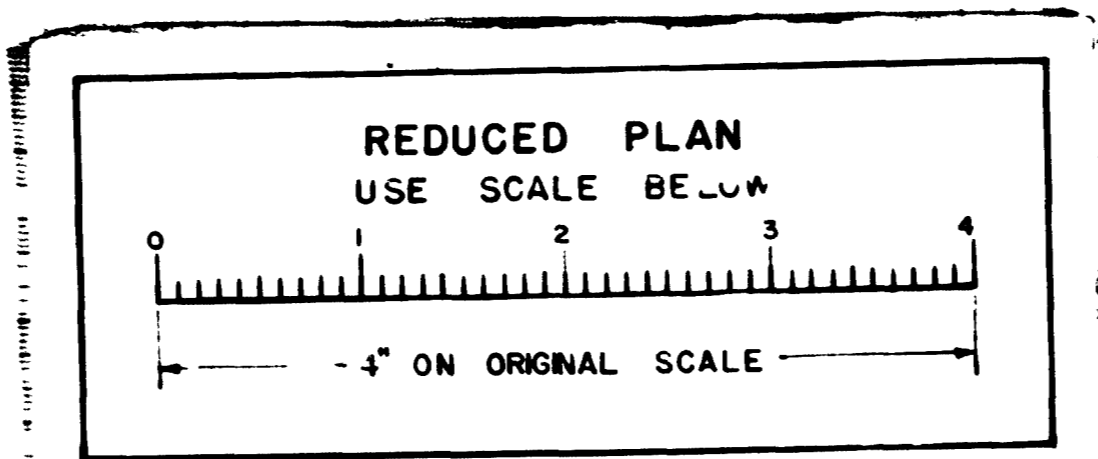


SEWER PROFILES
Scale: Horiz. 1"=80'
Vert. 1"=6'



B.M. is brass plug in curb at S.E. corner of 37th St. and Logan Ave. Elev. = 56.98.

PRIVATE CONTRACT

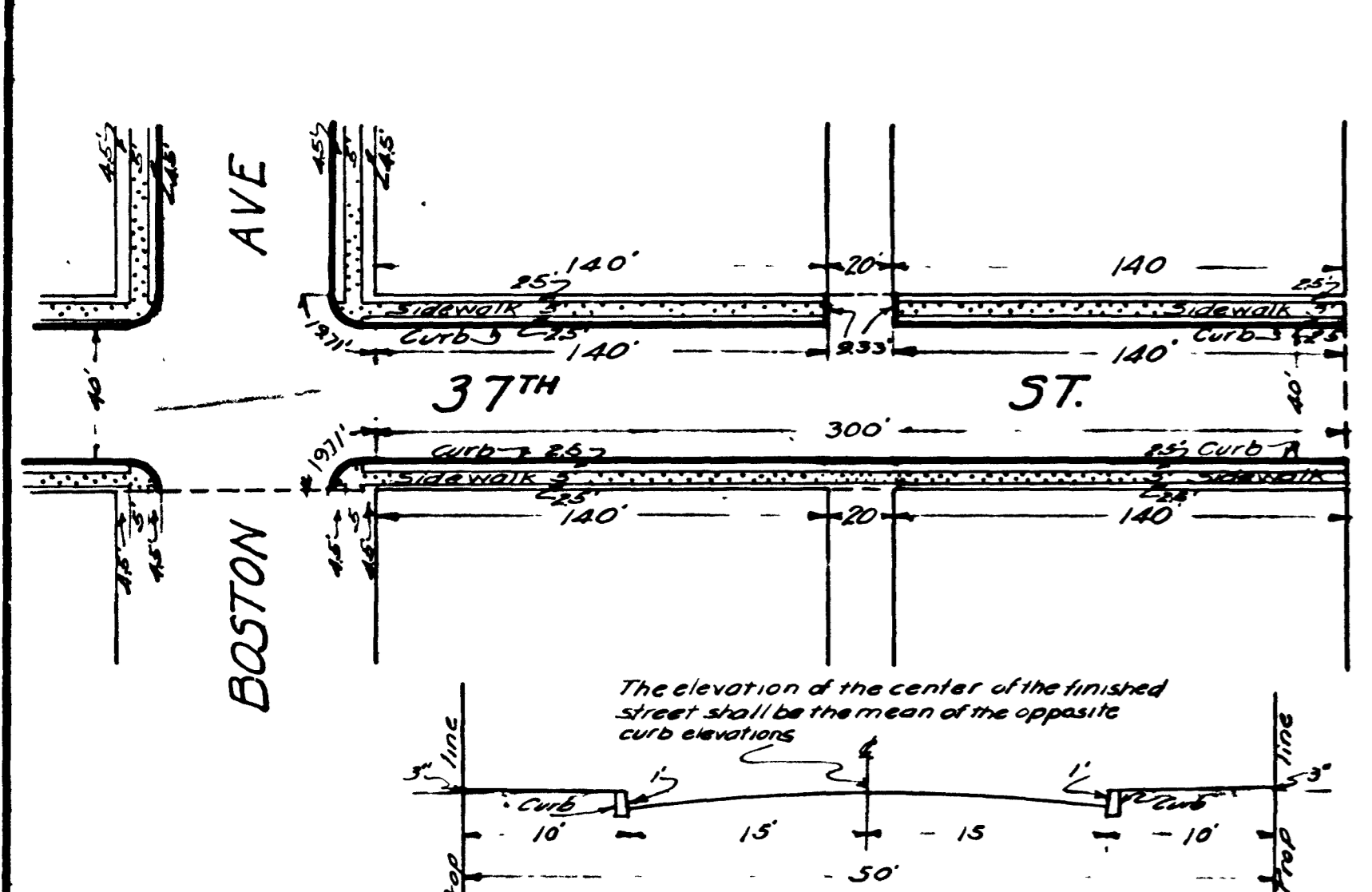
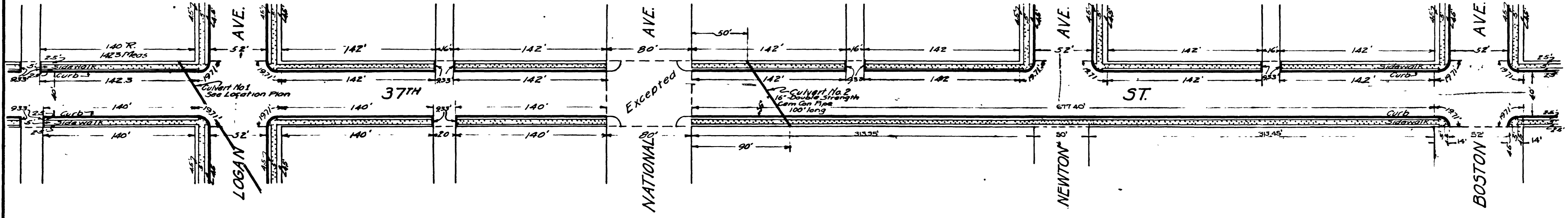
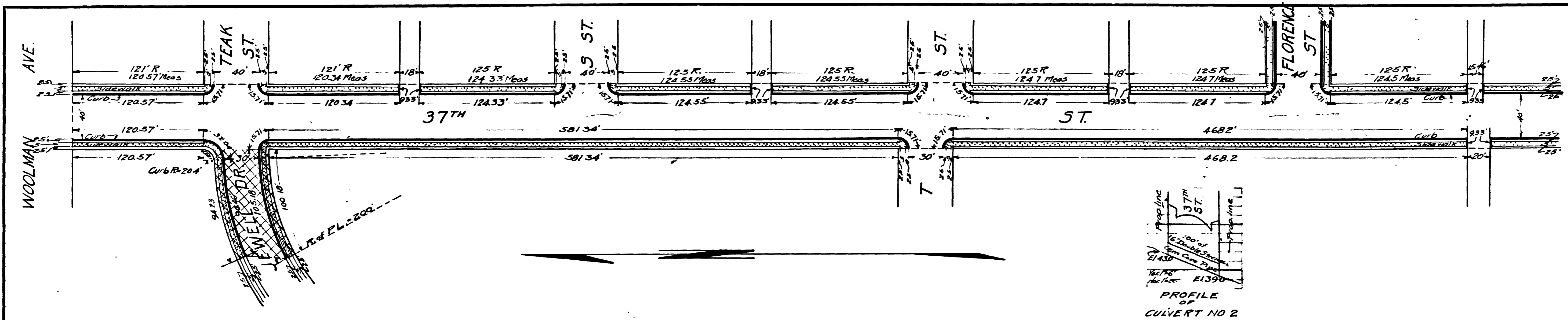


CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

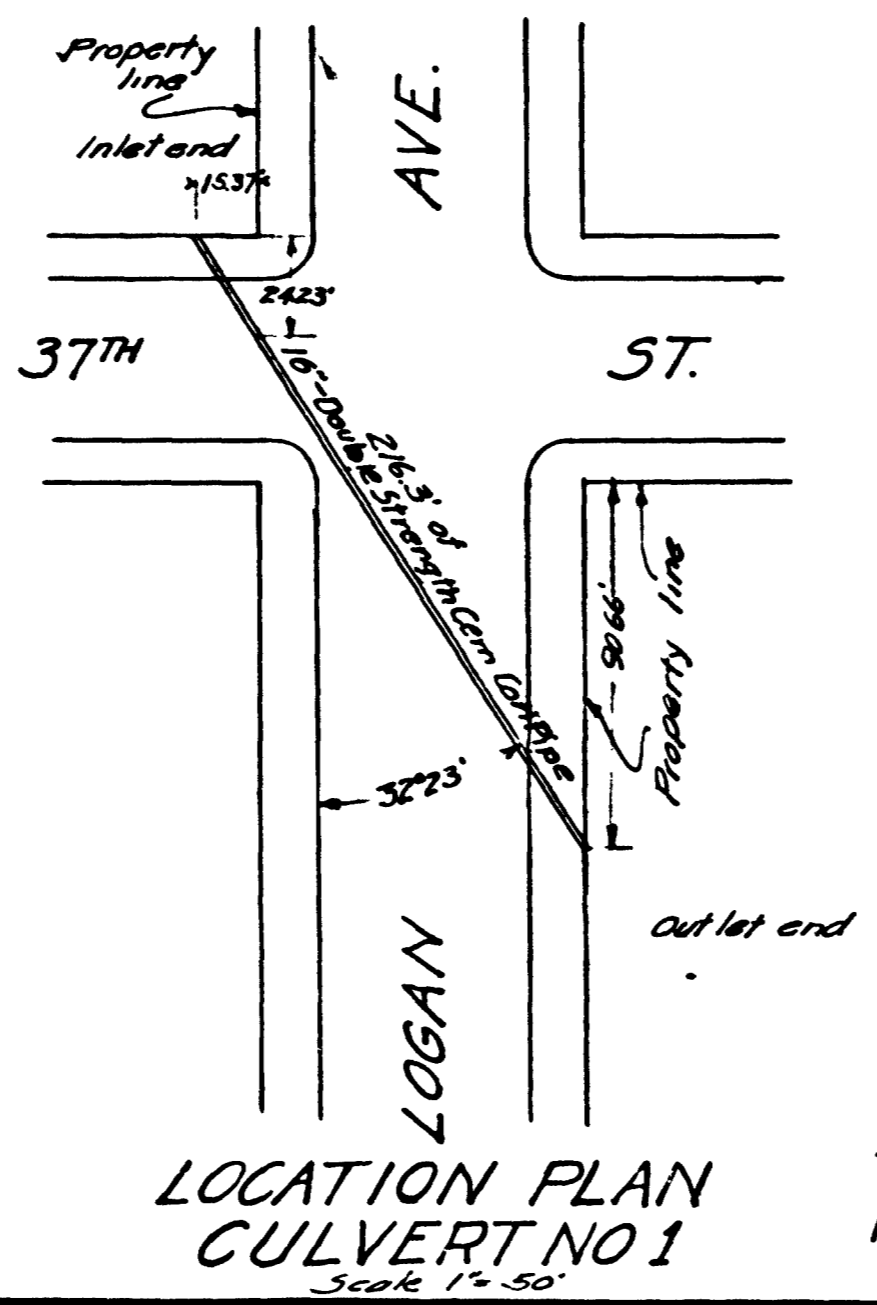
ENGINEER OF WORK:
Byrl D. Phelps R.E. 1534
434 Land Title Bldg.
Phone: F-9-2075 Job No 1532

WATER DEPARTMENT	SEWER DEPARTMENT	DRAINAGE	FIELD CHECK	OFFICE CHECK	PLANNING COMMISSION	GRADES
SHEET 4		CITY OF SAN DIEGO ENGINEERING DEPARTMENT		4 SHEETS		
PLANS FOR THE IMPROVEMENT OF FLORENCE ST, JEWELL DR, OLIVEWOOD TERRACE, PORTIONS OF 36TH ST AND 37TH ST. AND UNNAMED ALLEY AND EASEMENTS IN AND ADJOINING CHRIS COSGROVE'S RANCHO CASITAS						
APPROVED	<i>A.R. Jupp</i> CITY MANAGER		DATE	7/11/49		
SCALE	As shown					
DRAWN BY	E. A. L.		CHANGED	DATE	O.E.	DRAWING NUMBER
CHECKED BY	P.W. BOOKS					7705-L

CONSTRUCTION RECORD	W O No 23113
CONTRACTOR	GRIFITH - NELSON
INSPECTOR	FAY GIBBY
DATE STARTED	7-27-49
REVISIONS	NONE
DATE COMPLETED	3-10-50
DATE	5-2-50

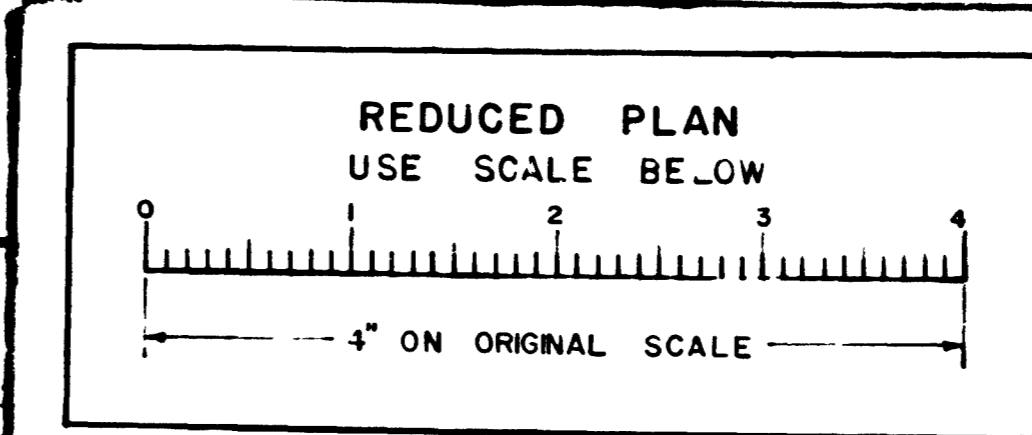


TYPICAL CROSS-SECTION
JEWELL DRIVE.
Scale 1"=10'



LOCATION PLAN
CULVERT NO 1
Scale 1"=50'

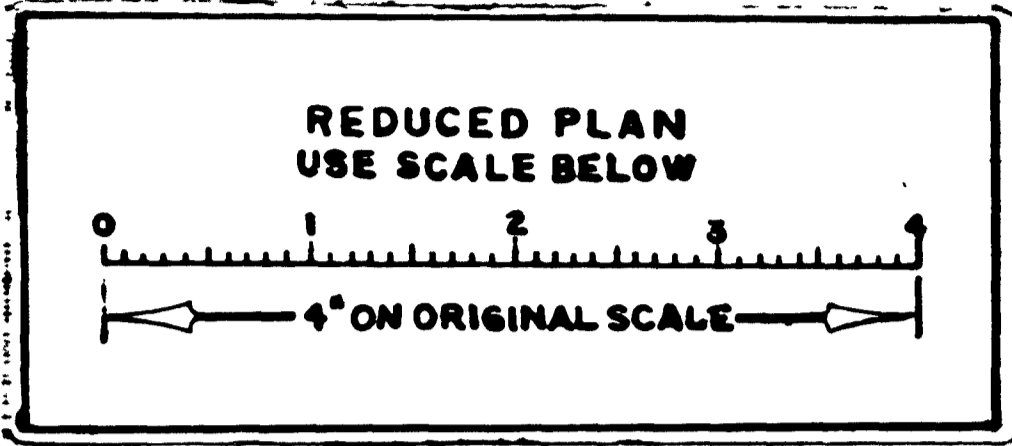
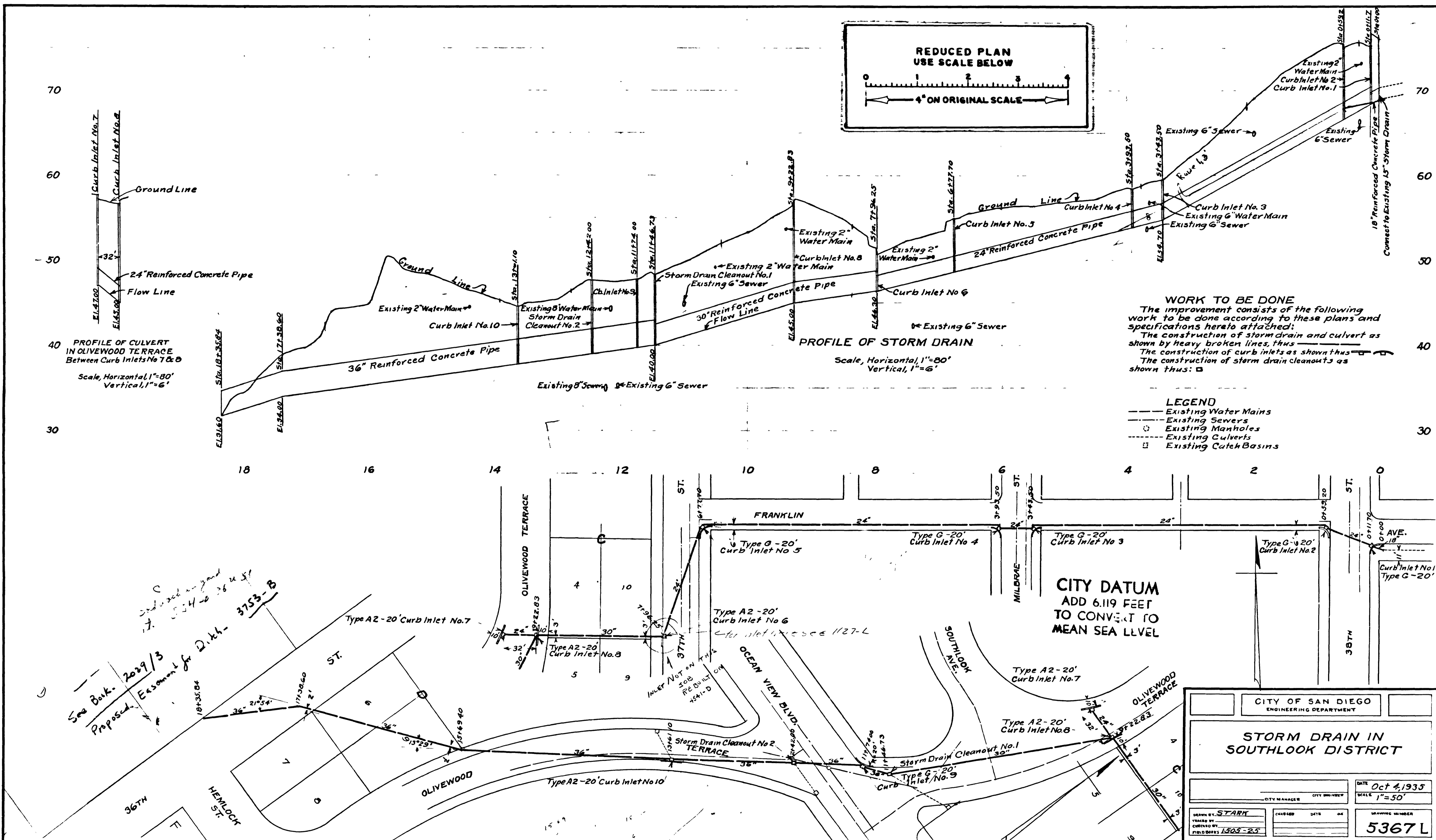
CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL



WORK TO BE DONE
The improvement consists of the following work to be done according to the specifications hereto attached:
The grading of the portion of the streets shown shaded.
The regrading of the portion of the street shown cross-hatched thus .
The construction of sidewalk as shown by dotted area.
The construction of curb as shown by heavy solid line.
The construction of gutter as shown by hatched area thus .
The construction of pipe culverts as indicated on plans.
The construction of curb inlets and connections as indicated on plans.
The construction of reinforced cement concrete bridge, wing walls and appurtenances as indicated on plan.

8 Sheets	CITY OF SAN DIEGO OPERATING DEPARTMENT	Sheet 1
<p>PLANS FOR THE IMPROVEMENT OF JEWELL DR, from the Wly line of 37th St to a line 105.18' Wly from and parallel to the Wly line of 37th St 37th ST, between Woolman Ave. and Acacia St 38th ST, between Woolman Ave. and Acacia St FLORENCE ST, between 37th St and the Ely line of PL 1344 LOGAN AVE, between 38th St and 39th St NEWTON AVE, between 37th St and 39th St BOSTON AVE, between 37th St and 38th St ACACIA ST, between the NEly production of the Nly line of Uno St, and the termination of Epsilon St, and Woden St EPSILON ST, between 39th St and the termination of Acacia St and Woden St WODEN ST, from Main St, to and including its termination and intersection with Acacia St and Epsilon St UNA ST, between Main St, and Acacia St VESTA ST, between Main St, and Acacia St.</p>		
APPROVED	<i>J. B. P...</i> CITY ENGINEER	DATE 5-14-25
DESIGNED BY <i>PHB</i>	CHANGED	SCALE 1"=50' Details shown
TRACED BY	DATE	DRAWING NUMBER 1748 L
FIELD BOOKS		

MICROFILMED
APR - 1963



WORK TO BE DONE
 The improvement consists of the following work to be done according to these plans and specifications hereto attached:
 The construction of storm drain and culvert as shown by heavy broken lines, thus—
 The construction of curb inlets as shown thus—
 The construction of storm drain cleanouts as shown thus: □

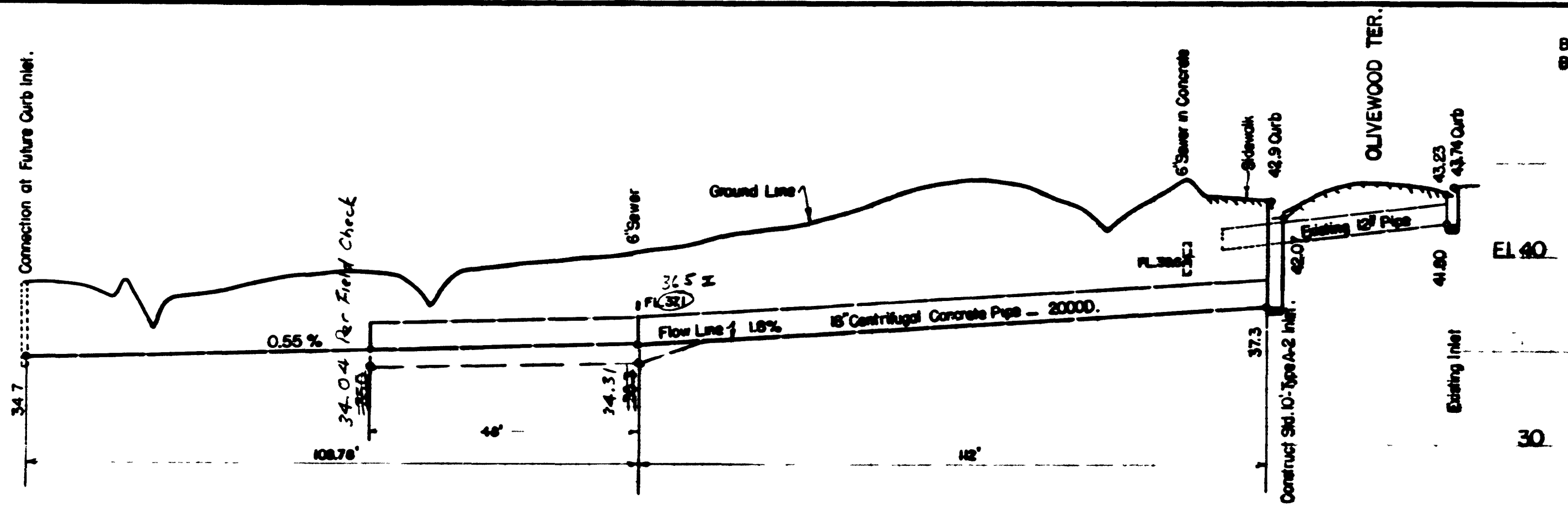
- LEGEND**
- Existing Water Mains
 - Existing Sewers
 - Existing Manholes
 - - - Existing Culverts
 - Existing Catch Basins

*See Book. 2029/3
 Proposed Easement for Ditch - 3753-B*

*Field party under Hendricks checked this plan on ground. June 1949.
 Says drain is constructed in accordance with this drawing.
 C. G. 6-21-49*

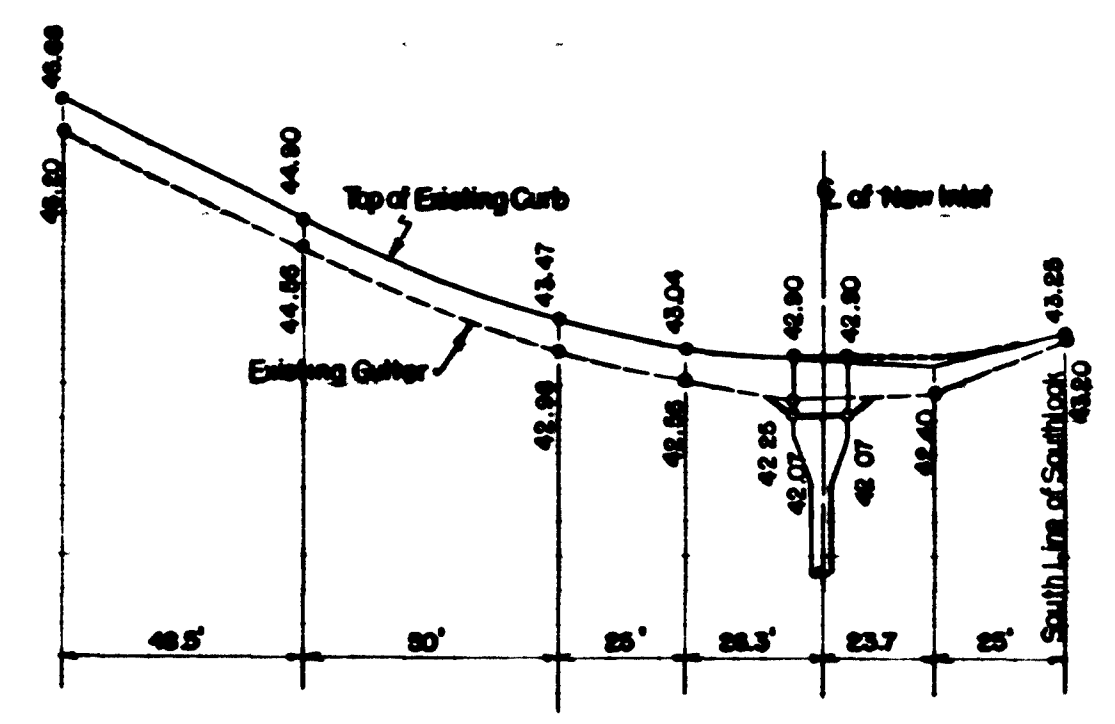
CITY OF SAN DIEGO ENGINEERING DEPARTMENT	
STORM DRAIN IN SOUTHLOOK DISTRICT	
DATE Oct 4, 1935	SCALE 1"=50'
CITY MANAGER	CITY ENGINEER
DRAWN BY STARK	CHECKED DATE
TRACED BY	DATE
FIELD OFFICE 1565-25	DRAWING NUMBER 5367L

MICROFILMED
 AUG 15 1963



PROFILE
Scale - Hor 1" = 20'
Vert. 1" = 6'

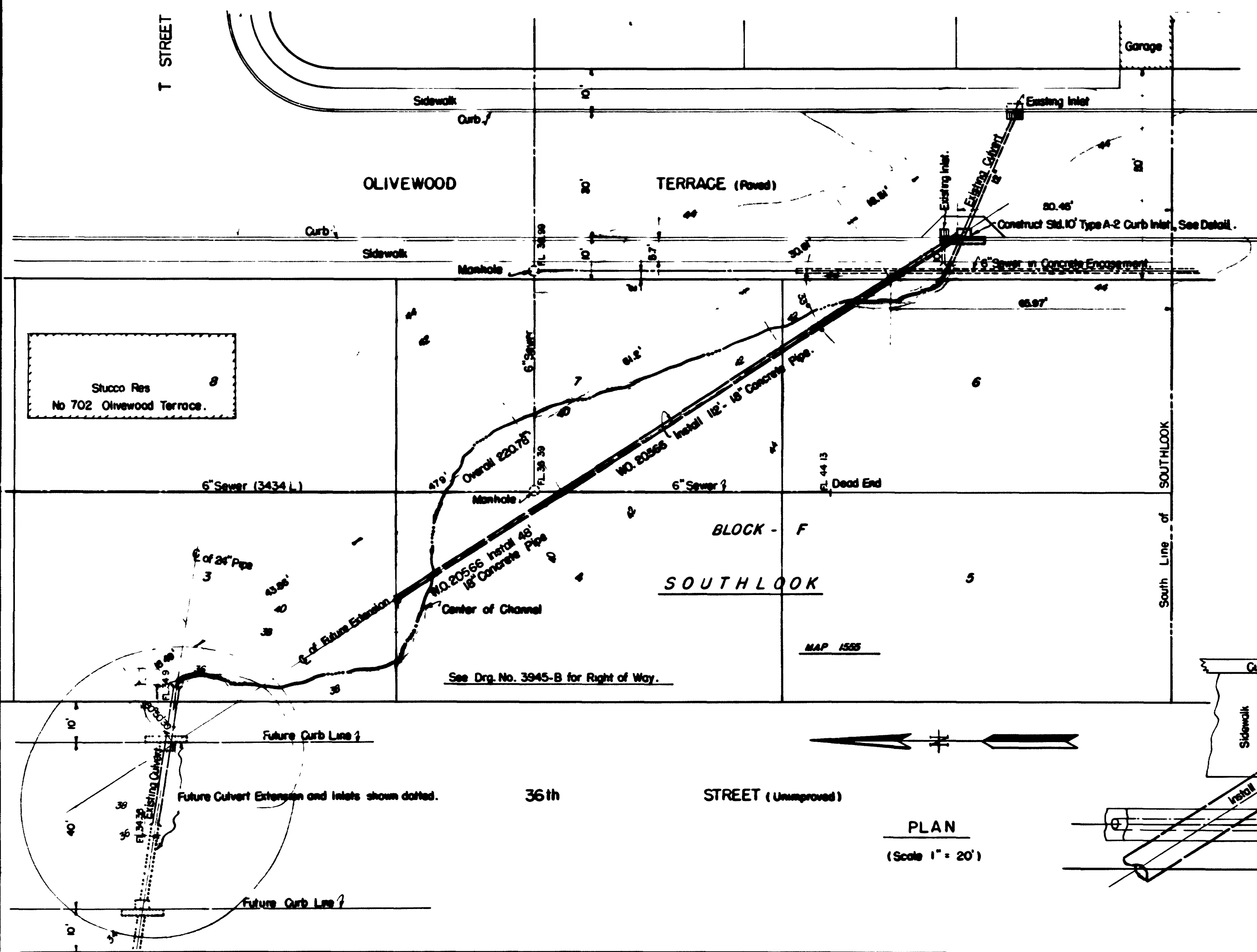
Bench Mark - Elevation = 50.80
BP NW Corner - 35th & Florence.



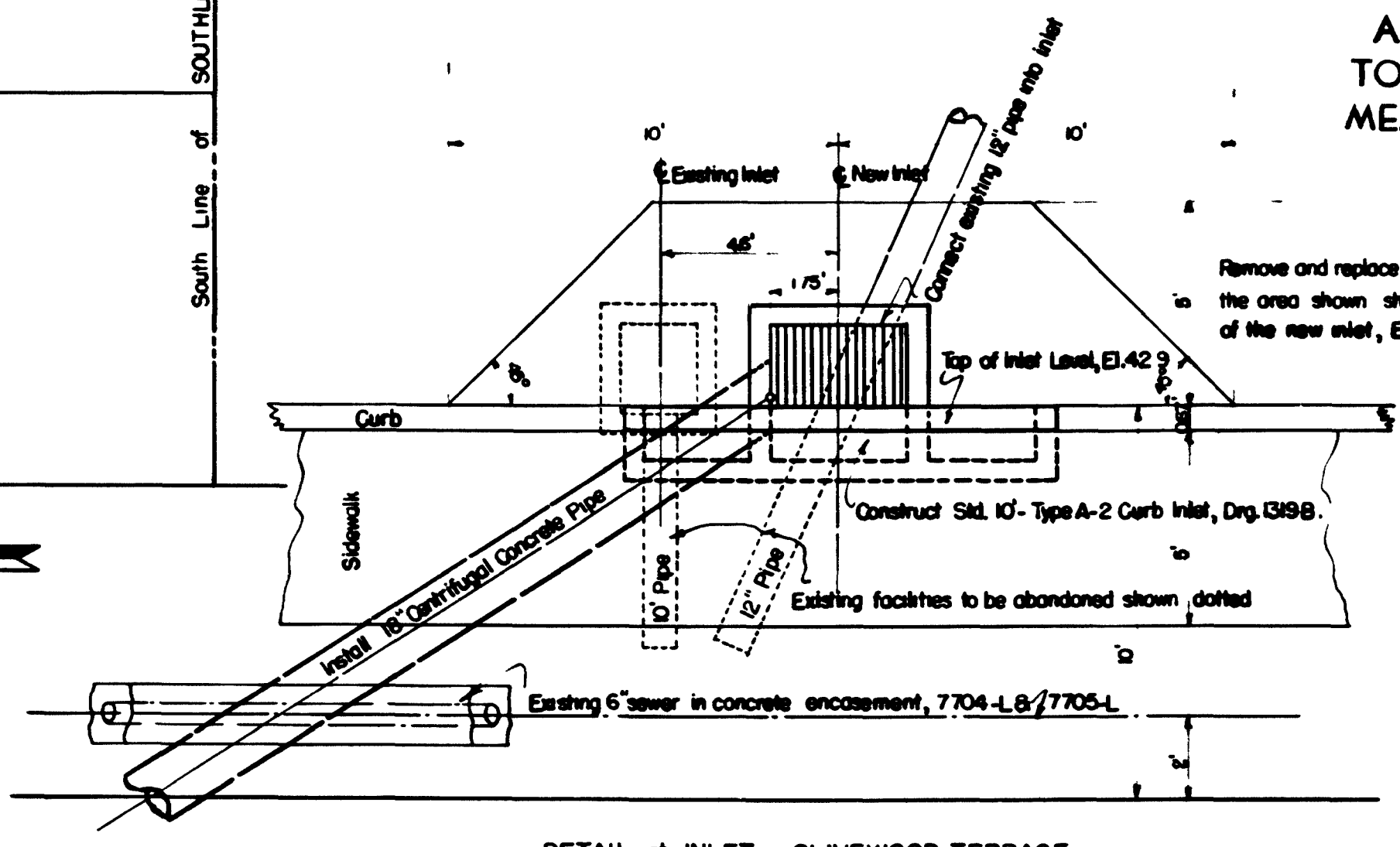
Profile of West Curb of Olivewood Terrace adjacent to Block F - Southlook.

Scale Hor. 1" = 40'
Vert. 1" = 3'

E145
40



PLAN
(Scale 1" = 20')



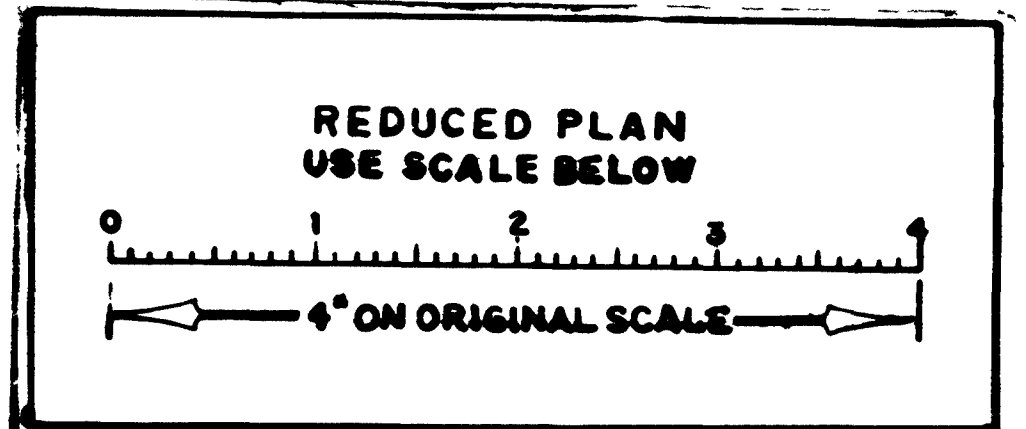
DETAIL of INLET in OLIVEWOOD TERRACE

(Scale 1/4" = 1')

WORK TO BE DONE

- WO. 20566 - Construct Standard 10' Type A-2 Curb Inlet in Olivewood Terrace and install 18" Centrifugal Concrete Pipe across lots 6 and 7
- Construct temporary outlet ditch from the pipe.

CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

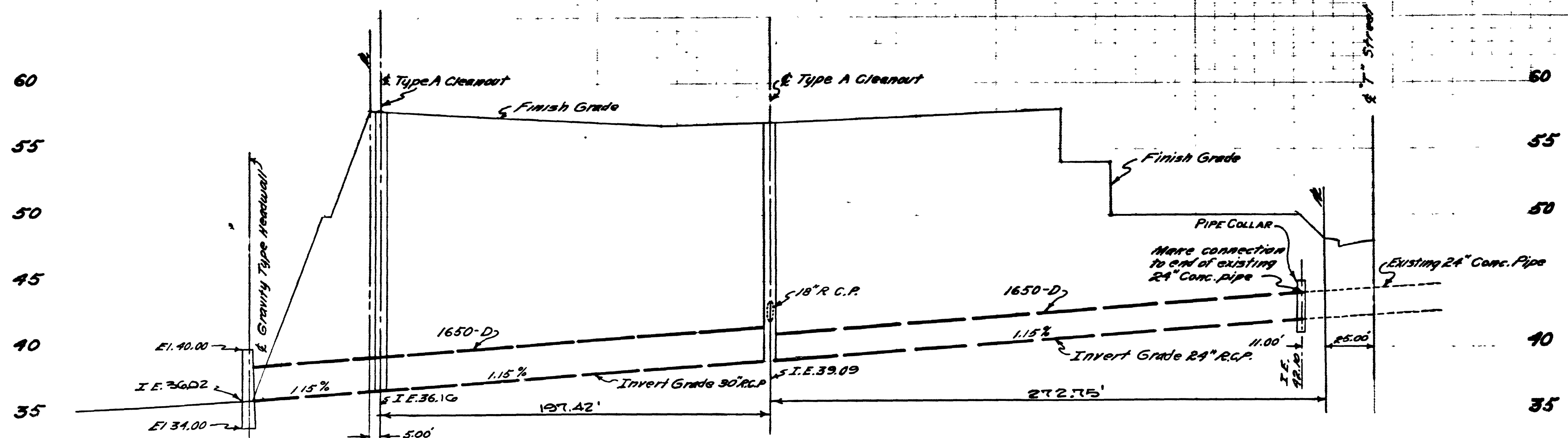


CITY FORCES

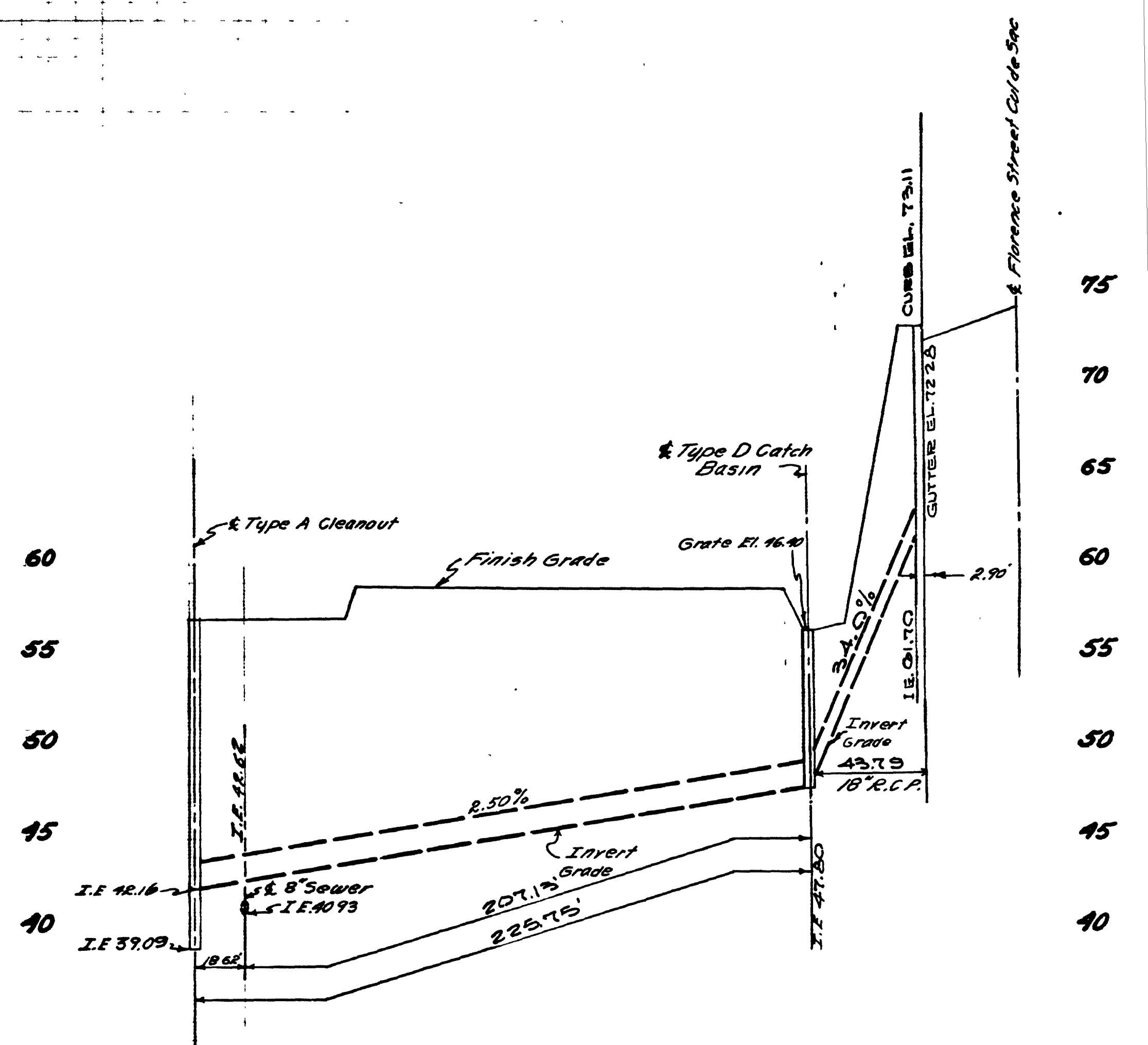
CITY OF SAN DIEGO ENGINEERING DEPARTMENT	
PLAN & PROFILE	
Extend Gutter - BLOCK F - SOUTHLOOK, OLIVEWOOD TERRACE South of T STREET.	
APPROVED <i>C.K. Foy</i> CITY ENGINEER	DATE 4/18/50 SCALE 1" = 20'
DRAWN BY RE. 4-10-50	CHECKED BY R.M. 2-30-52
TRACED BY R.M. 2-30-52	DATE 4-18-50
OFFICE CHECK R.M. 2-30-52	PLANNING COMMISSION R.M. 2-30-52
GRADING R.M. 2-30-52	DRAWING NUMBER 8026-L

CONSTRUCTION R.W. STREET DIV	W O No 20566
DATE STARTED 11-17-49	INSPECTOR KNUDSEN
DATE COMPLETED 12-18-49	REVISIONS NONE

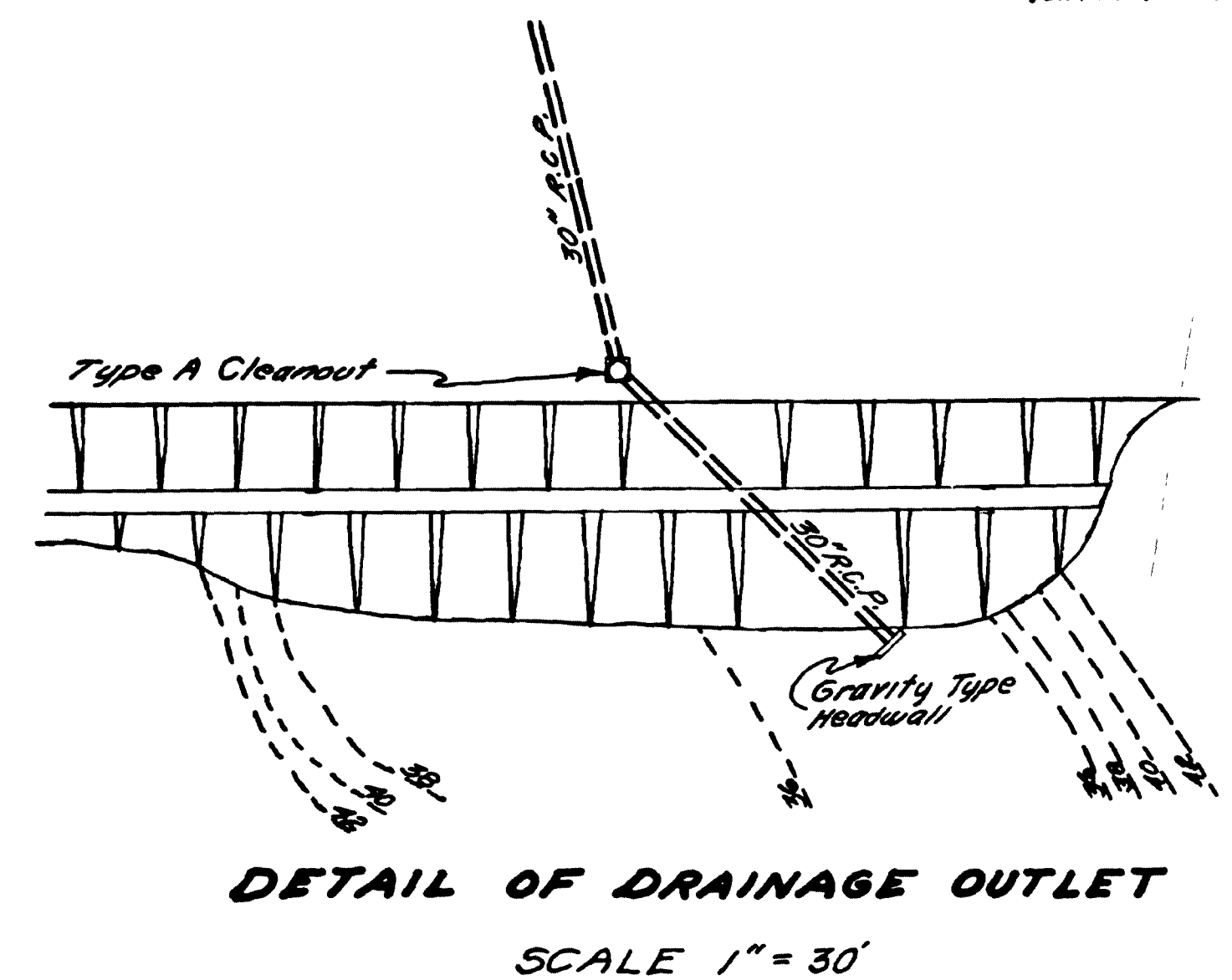
See 4983-B



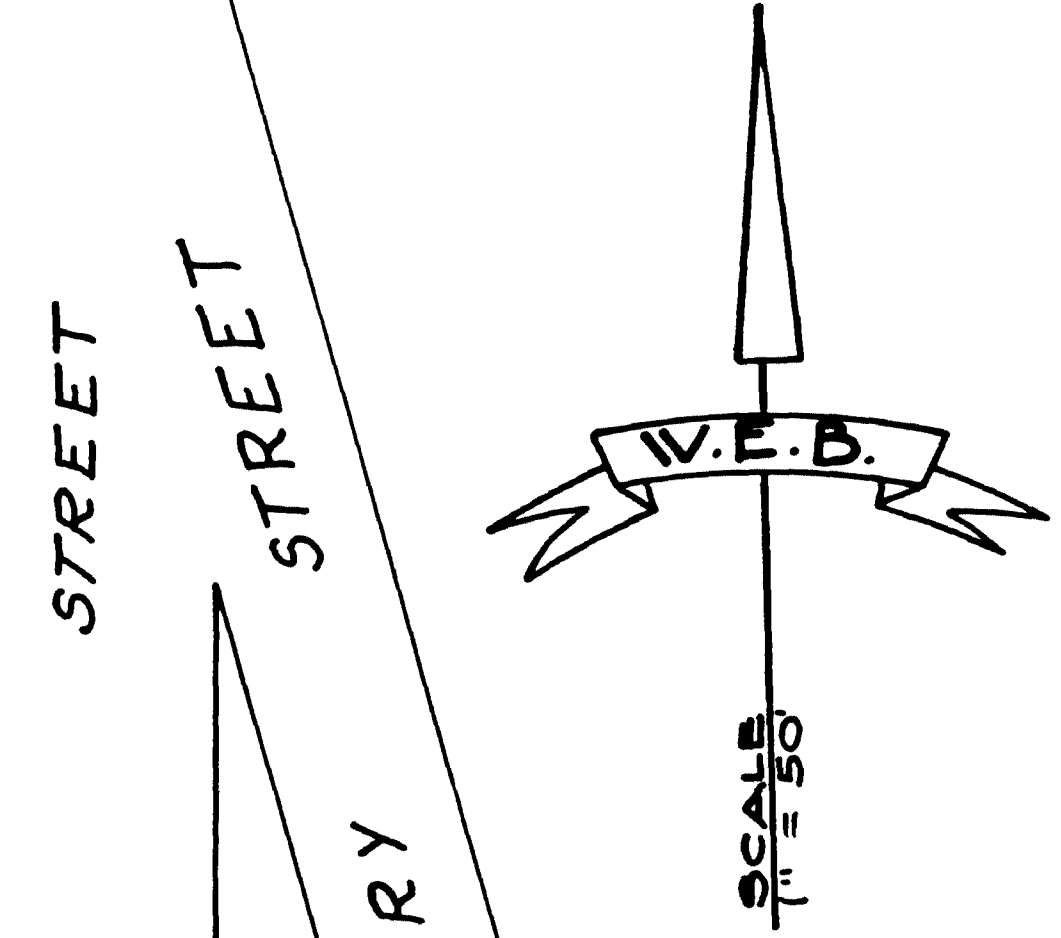
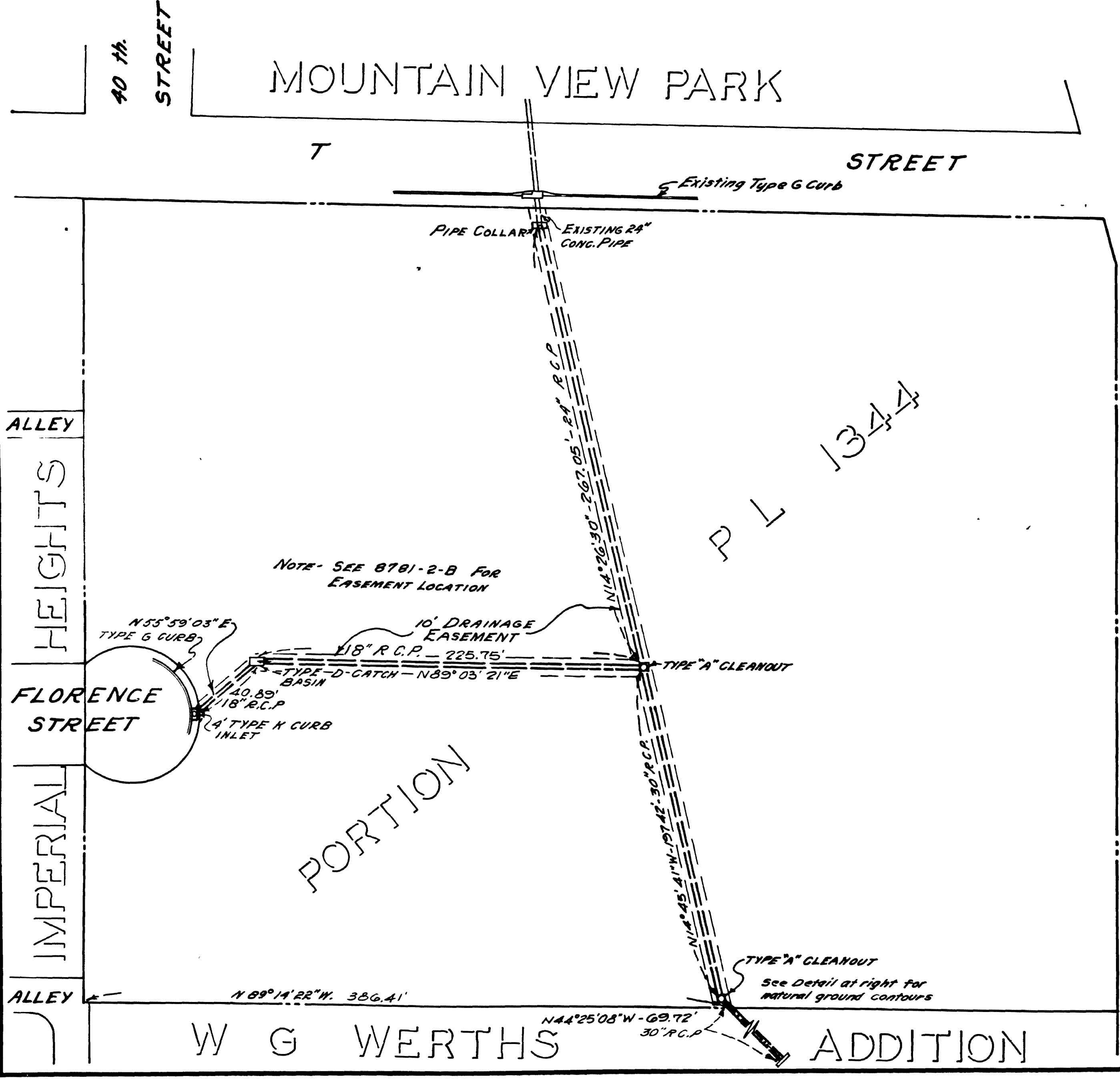
PROFILE 30" & 24" R.C.P. STORM DRAIN
 SCALES: HORIZ. 1"=40'
 VERT. 1"=6'



PROFILE 18" R.C.P. STORM DRAIN
 SCALES: HORIZ. 1"=40'
 VERT. 1"=6'



DETAIL OF DRAINAGE OUTLET
 SCALE 1"=30'



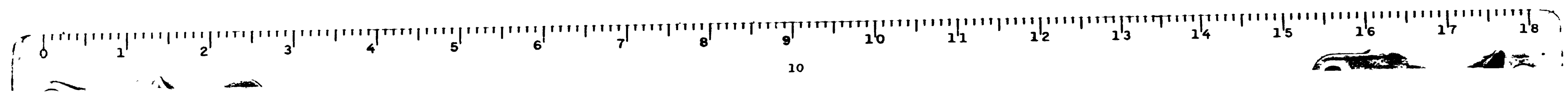
PRIVATE CONTRACT

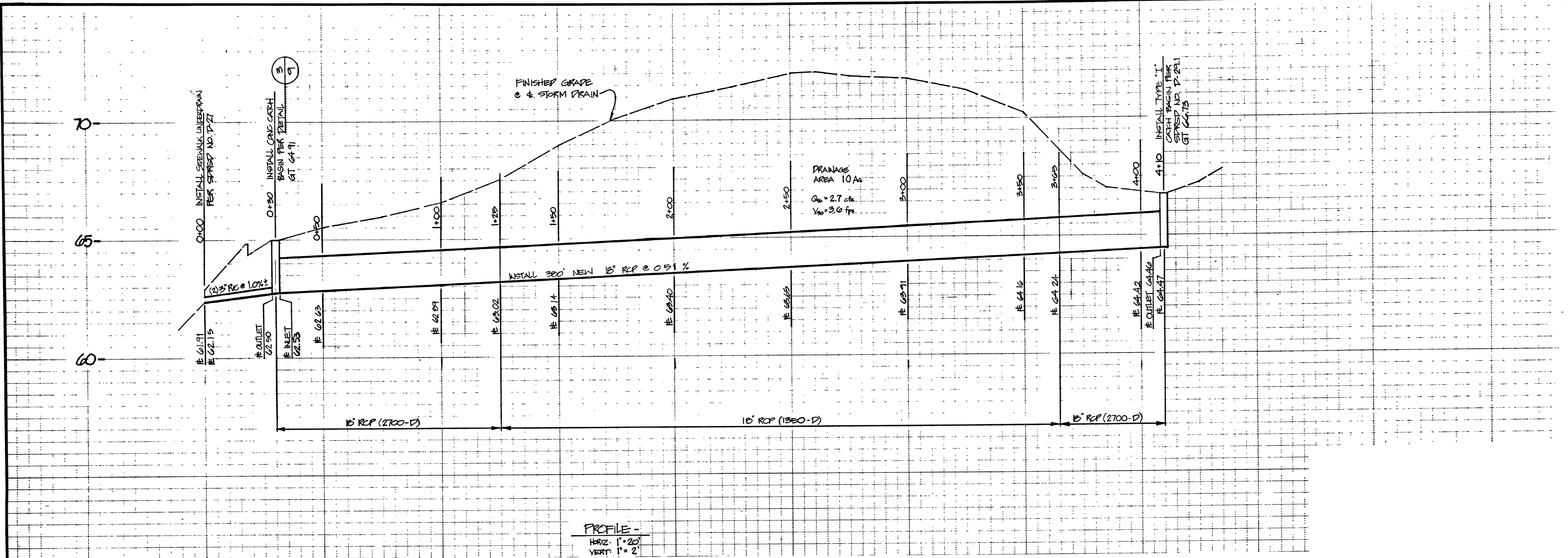
STORM DRAINS FRED BAKER ELEMENTARY SCHOOL

CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 3 OF 3 SHEETS		NO 20020
CHANGE	BY	DATE	APPROVAL	
"As Built"	MW	10-29-64	<i>[Signature]</i>	Jan 29 1963
CONSTRUCTION RECORD		APPROVALS FOR		
3-5-63	8-15-64	WATER DEPT.	SEWERAGE	ASB CITY ENGINEER AND OFFICE ENGINEER
DATE STARTED	DATE COMPLETED	PLANNING DEPT.	DRAINAGE	SUPERVISOR
CONTR. MEMETH WYLLIE & SONSHIP JTEAS		ELECTRICAL	HIGHWAY	CHECKED
		STRUCTURAL	GRADES	DESIGNED
		TRAFFIC	CONTROL	
FIELD BOOK				10825-3-D

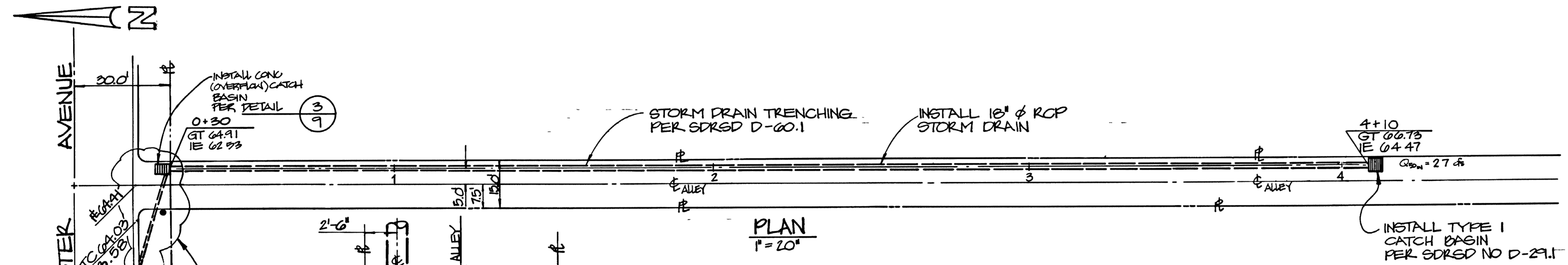
ENGINEER OF DESIGN
 WALLACE E. BOAS
[Signature]
 R.C.E. 9822

AS BUILT 4-691
 4-1-1963

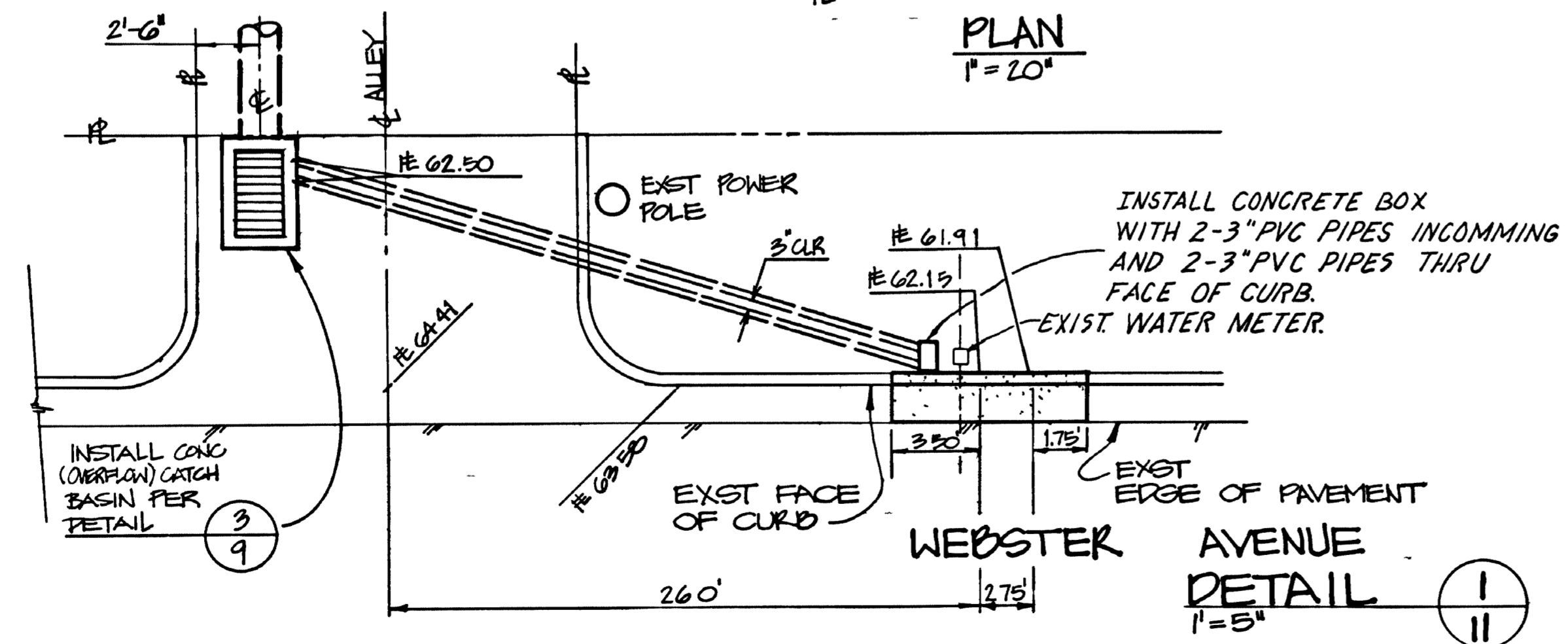




PROFILE -
HORIZ. 1" = 20'
VERT. 1" = 2'

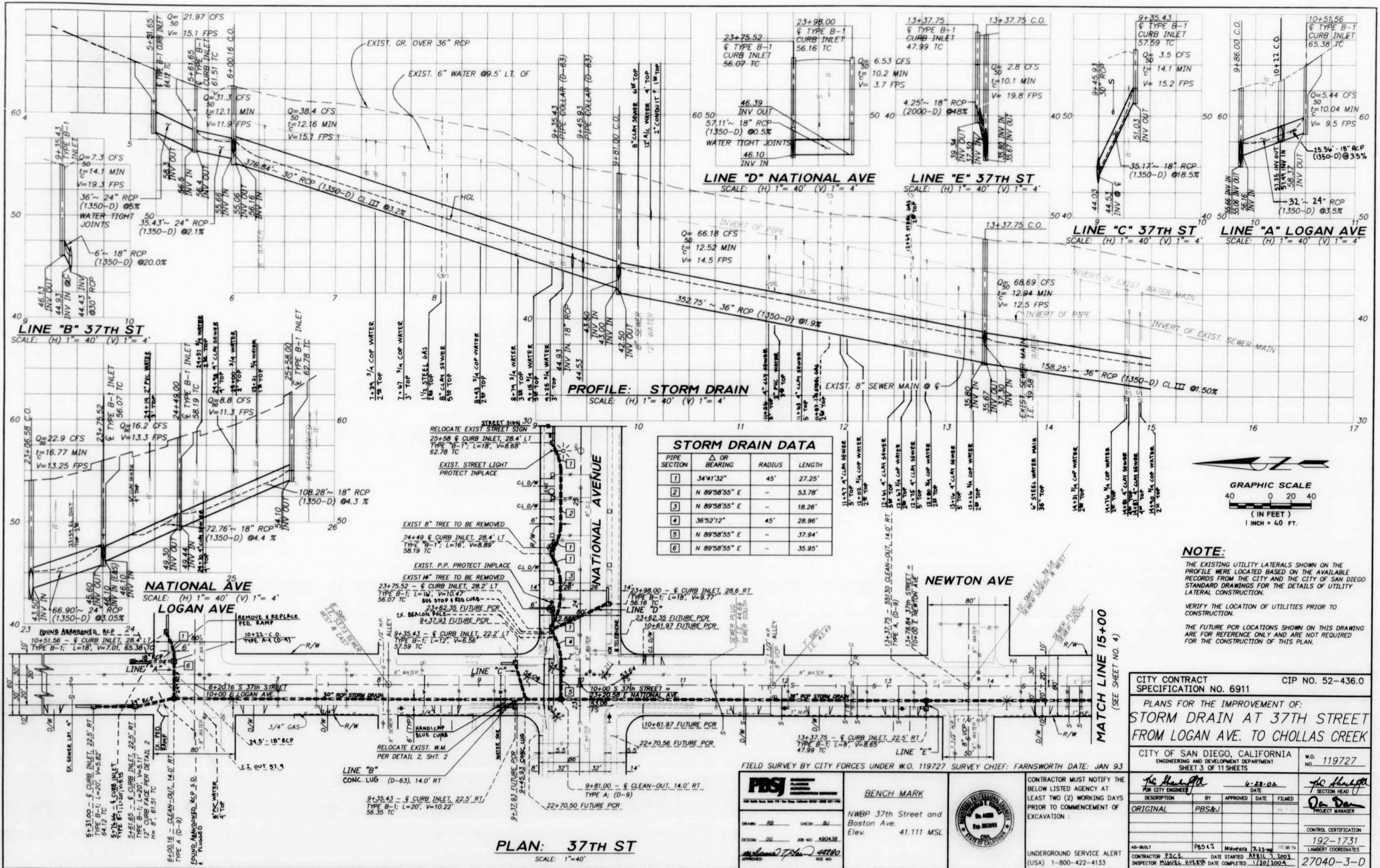


PLAN
1" = 20'



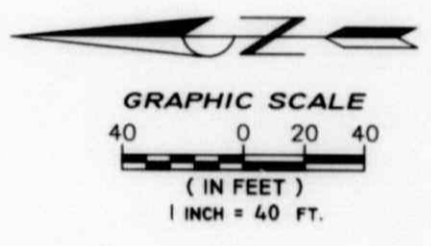
WEBSTER AVENUE
DETAIL
1" = 5'

CITY CONTRACT		PLANS FOR THE IMPROVEMENT OF PROJECT FIRST CLASS - CONTRACT NO. 1 ALLEY IMPROVEMENTS															
STORM DRAIN FOR ALLEY E/O FRANCIS STREET BETWEEN WEBSTER & FRANKLIN STRATFORD PARK MAP 1541 BLK 5		W 0 118009 & NO 12722															
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 11 OF 11 SHEETS		CONTRACT CERTIFICATION															
ENGINEER OF WORK Pountney & Associates Inc. CONSULTING ENGINEERS 8138 Mission Gorge Road, Suite 229 San Diego, CA 92120-3498 • (619) 282-6801 © 1985 Pountney & Associates, Inc.		CONTRACTOR: J.B. PENICK - DATE STARTED 1-8-88 INSPECTOR: MICHAEL NINK - DATE COMPLETED 1-15-88															
<table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>BY</th> <th>APPROVED</th> <th>DATE</th> <th>FILED</th> </tr> </thead> <tbody> <tr> <td>ORIGINAL</td> <td></td> <td></td> <td></td> <td>30-17</td> </tr> </tbody> </table>		DESCRIPTION	BY	APPROVED	DATE	FILED	ORIGINAL				30-17	<table border="1"> <tbody> <tr> <td>PROJECT MANAGER</td> <td>JAC-1724</td> </tr> <tr> <td>LIBRARY COORDINATOR</td> <td>22766-11-D</td> </tr> </tbody> </table>		PROJECT MANAGER	JAC-1724	LIBRARY COORDINATOR	22766-11-D
DESCRIPTION	BY	APPROVED	DATE	FILED													
ORIGINAL				30-17													
PROJECT MANAGER	JAC-1724																
LIBRARY COORDINATOR	22766-11-D																
<p>P. J. Pountney PETER J. POUNTNEY RCE 22610 DATE PWO # 8594</p>		<p>"AS-BUILT"</p>															



STORM DRAIN DATA

PIPE SECTION	Δ OR BEARING	RADIUS	LENGTH
1	34°41'32"	45'	27.25'
2	N 89°58'55" E	-	53.78'
3	N 89°58'55" E	-	18.26'
4	36°52'12"	45'	28.96'
5	N 89°58'55" E	-	37.94'
6	N 89°58'55" E	-	35.95'



NOTE:
 THE EXISTING UTILITY LATERALS SHOWN ON THE PROFILE WERE LOCATED BASED ON THE AVAILABLE RECORDS FROM THE CITY AND THE CITY OF SAN DIEGO STANDARD DRAWINGS FOR THE DETAILS OF UTILITY LATERAL CONSTRUCTION.
 VERIFY THE LOCATION OF UTILITIES PRIOR TO CONSTRUCTION.
 THE FUTURE PCR LOCATIONS SHOWN ON THIS DRAWING ARE FOR REFERENCE ONLY AND ARE NOT REQUIRED FOR THE CONSTRUCTION OF THIS PLAN.

CITY CONTRACT SPECIFICATION NO. 6911 CIP NO. 52-436.0

PLANS FOR THE IMPROVEMENT OF:
STORM DRAIN AT 37TH STREET FROM LOGAN AVE. TO CHOLLAS CREEK

CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND DEVELOPMENT DEPARTMENT
 SHEET 3 OF 11 SHEETS W.O. NO. 119727

FIELD SURVEY BY CITY FORCES UNDER W.O. 119727 SURVEY CHIEF: FARNSWORTH DATE: JAN 93

FBS
 DRAWN: [Signature] CHECK: [Signature]
 DESIGN: DG JOB NO. 490436
 APPROVED: [Signature] FILE NO.

BENCH MARK
 NWBP 37th Street and Boston Ave.
 Elev. 41.111 MSL



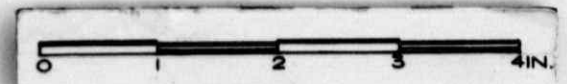
CONTRACTOR MUST NOTIFY THE BELOW LISTED AGENCY AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION:

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	PRS&J		4-28-02	
AS-BUILT	PRS&J		7-13-04	

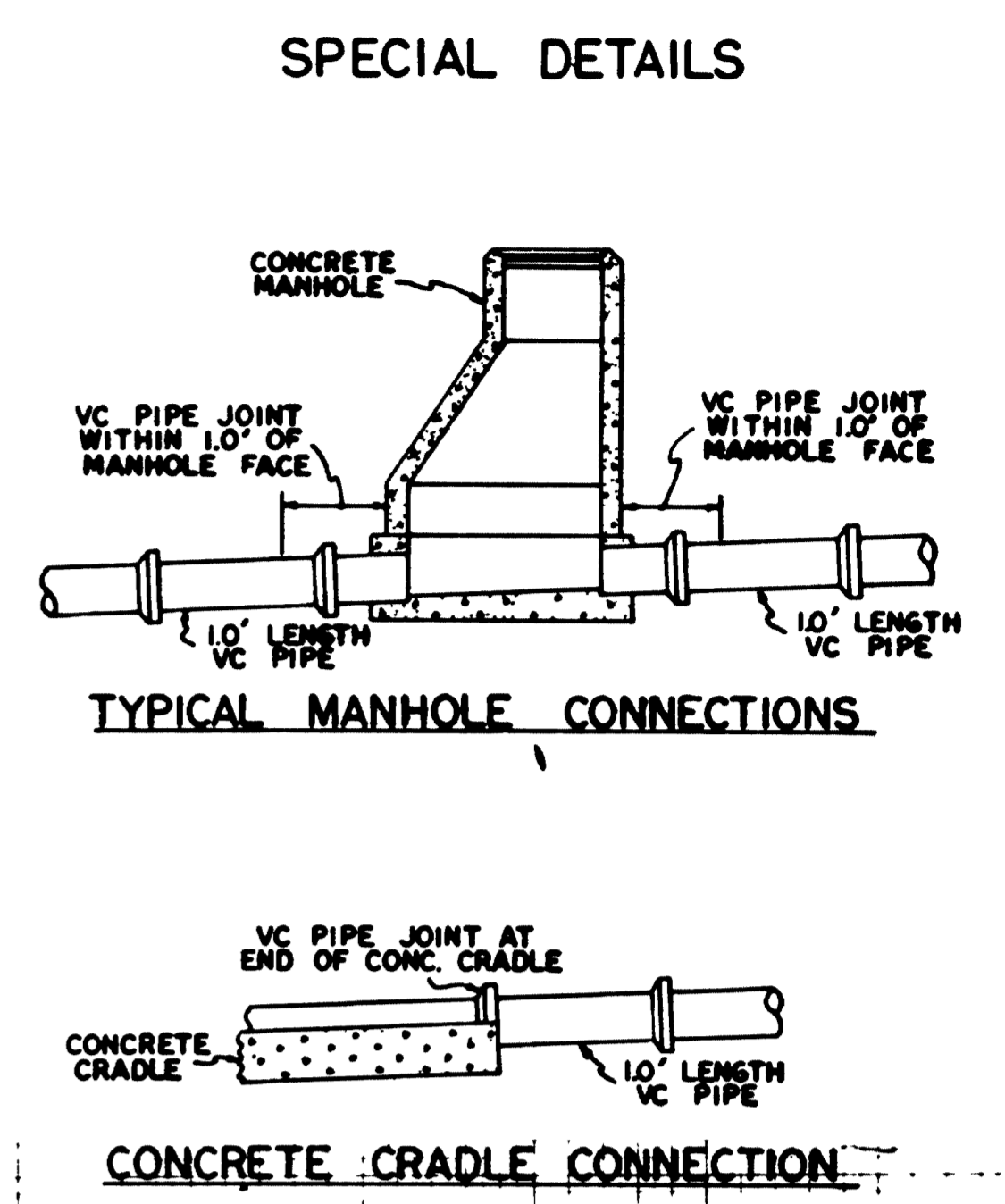
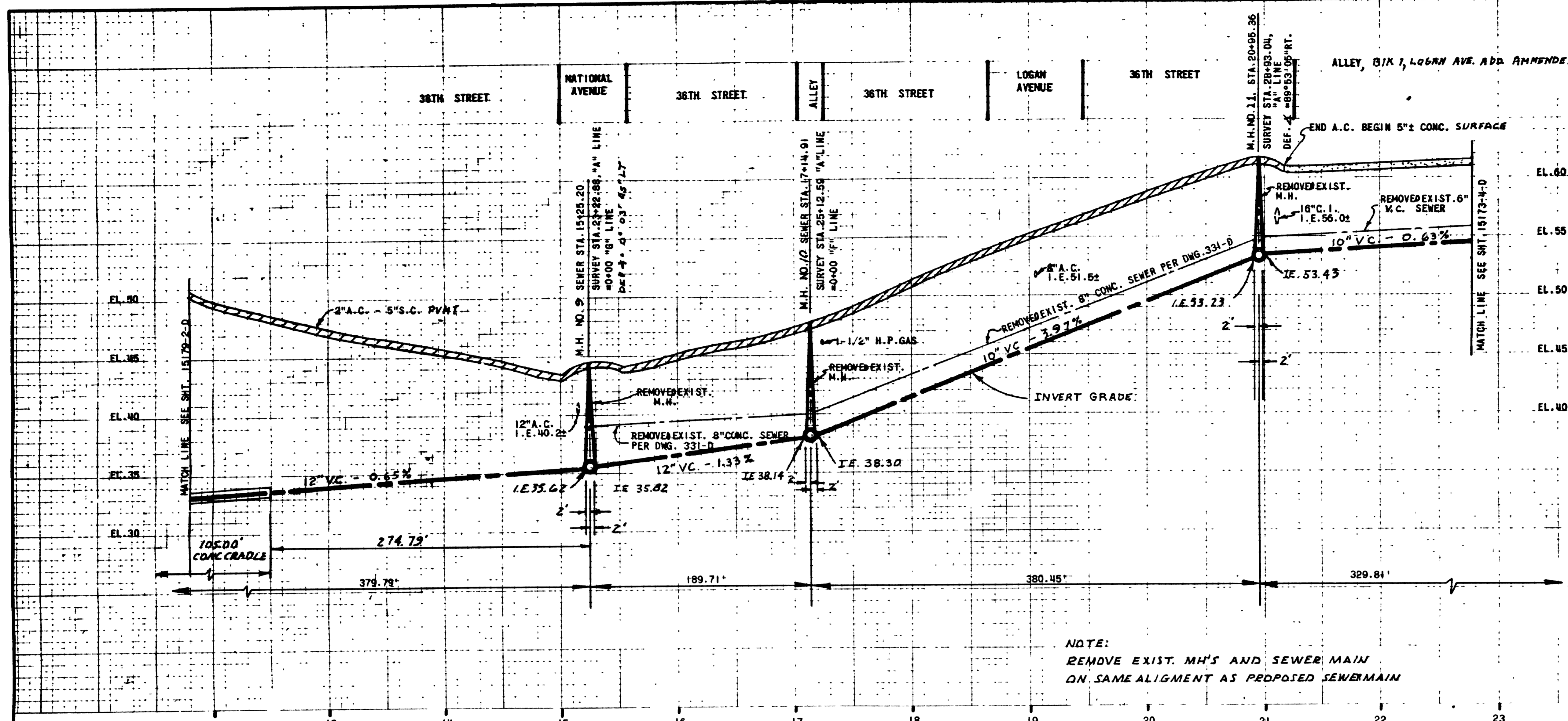
CONTRACTOR PSC# 192-1731 DATE STARTED APRIL 7, 2003
 INSPECTOR MARQUEL RUIZ DATE COMPLETED 1/30/2004

AS-BUILT

FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



36 TH STREET -- ALLEY, BLK. I, LOGAN AVE. ADD'N

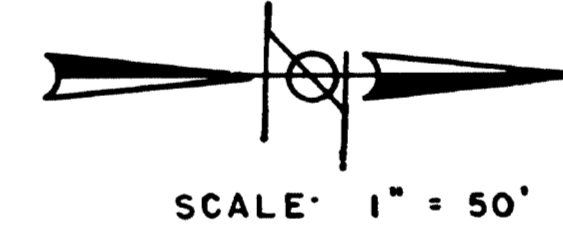
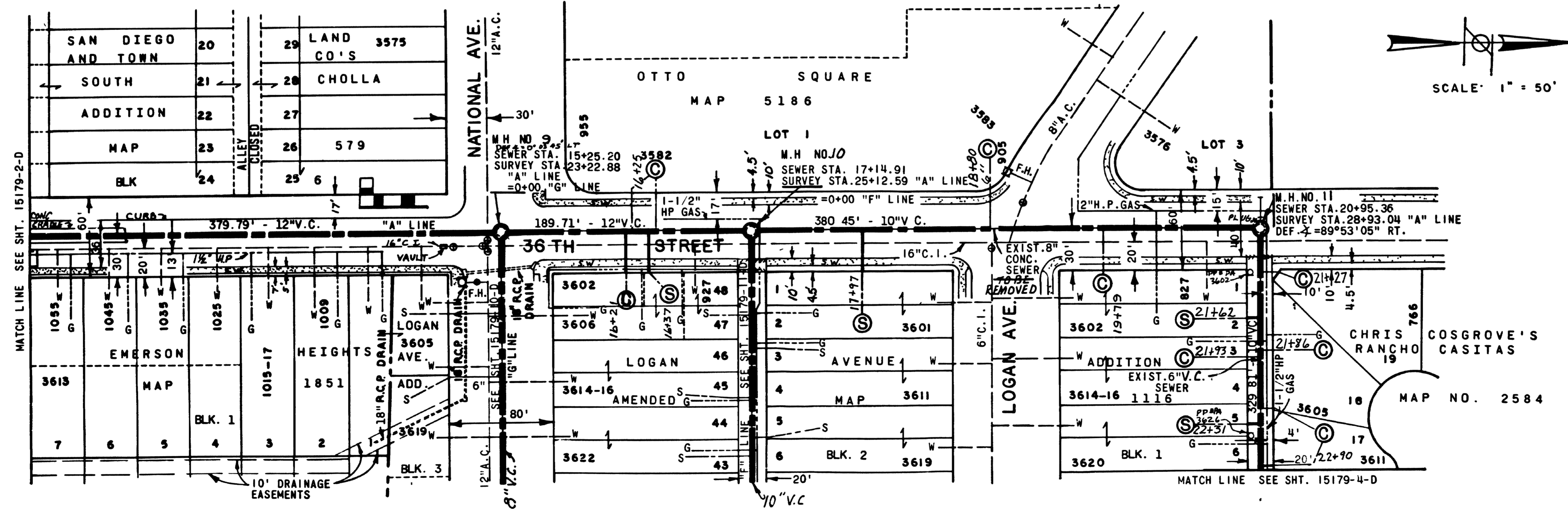


NOTE:
DOWELS SHALL BE USED TO CONNECT CONCRETE CRADLE TO CONCRETE MANHOLES.

SCALE:
1" = 5' Vert.
1" = 50' Horiz.

BENCHMARK:
S.W.B.P. 37th & BETA st MSL DATUM
ELEV. 12.85'

NOTE:
REMOVE EXIST. MH'S AND SEWER MAIN
ON SAME ALIGNMENT AS PROPOSED SEWER MAIN

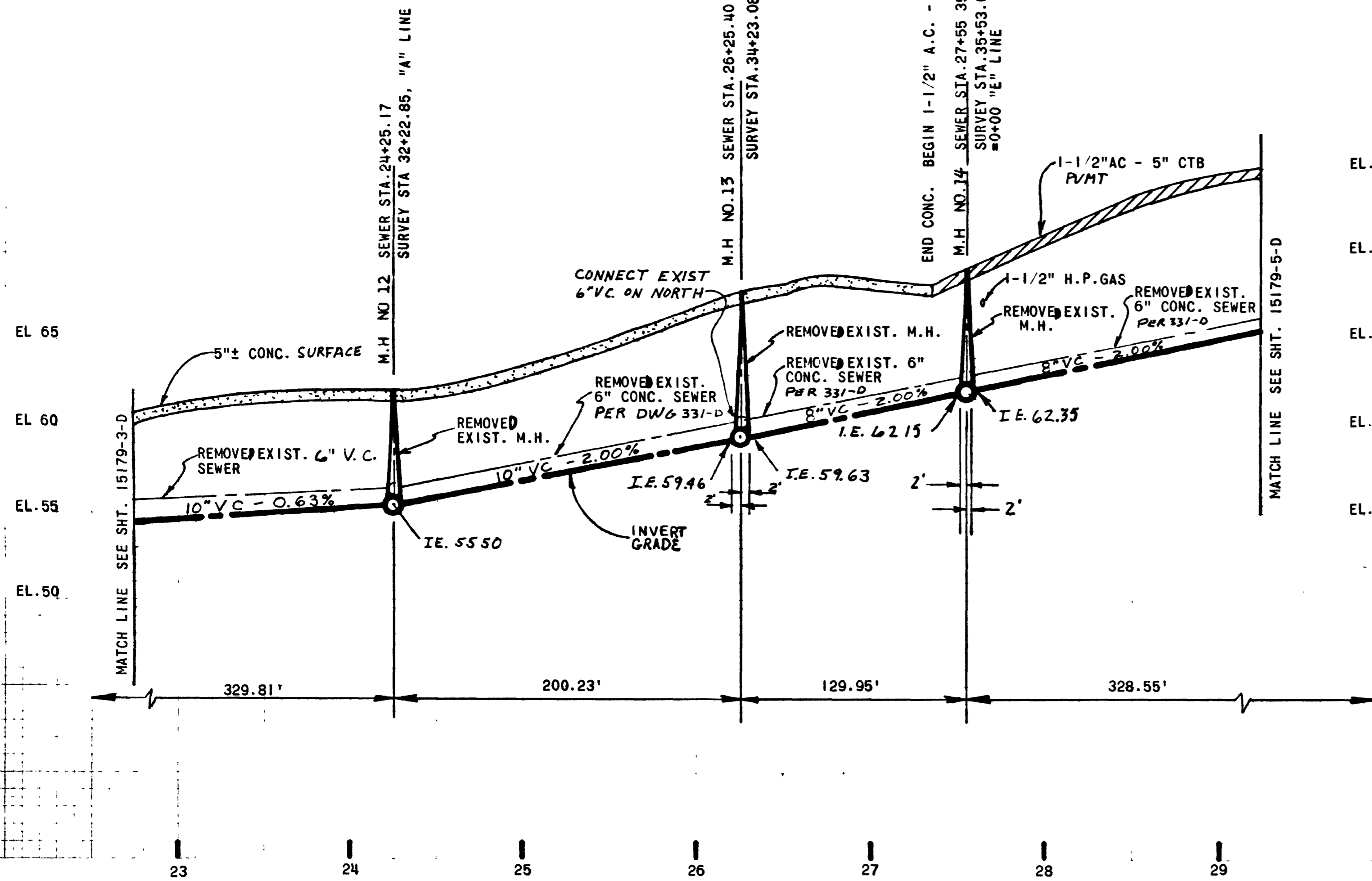


CITY CONTRACT			
SEWER MAIN REPLACEMENT - GROUP 22			
37TH ST. & NATIONAL AVE. AREA - PHASE I			
36TH STREET FROM NEWTON ST. TO THE ALLEY NORTH OF LOGAN AVENUE.			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 3 OF 16 SHEETS		E.W.O. 117023 U.W.O. 61141	
UTILITIES DIRECTOR	DATE	ENGINEERING SUPERVISOR	
DESCRIPTION	BY	APPROVED	FILMED
ORIGINAL	JC/FV	COBURN	DESIGN ENGINEER
"AS BUILT"	FV	Hubmill	CONTROL CERTIFICATION
CONSTRUCTION RECORD		190-1731	
CONTRACTOR: LIAM BEES		DATE STARTED: 12-6-74	
INSPECTOR: H. MILLS		DATE COMPLETED: 4-25-76	
CONNECTIONS BY:		15179-3-D	

ALLEY BLK 1
LOGAN AVE. ADD. AMENDED

37TH STREET

ALLEY BLOCK 3
S. W. HAINE'S



EL. 75
EL. 70
EL. 65
EL. 60
EL. 55

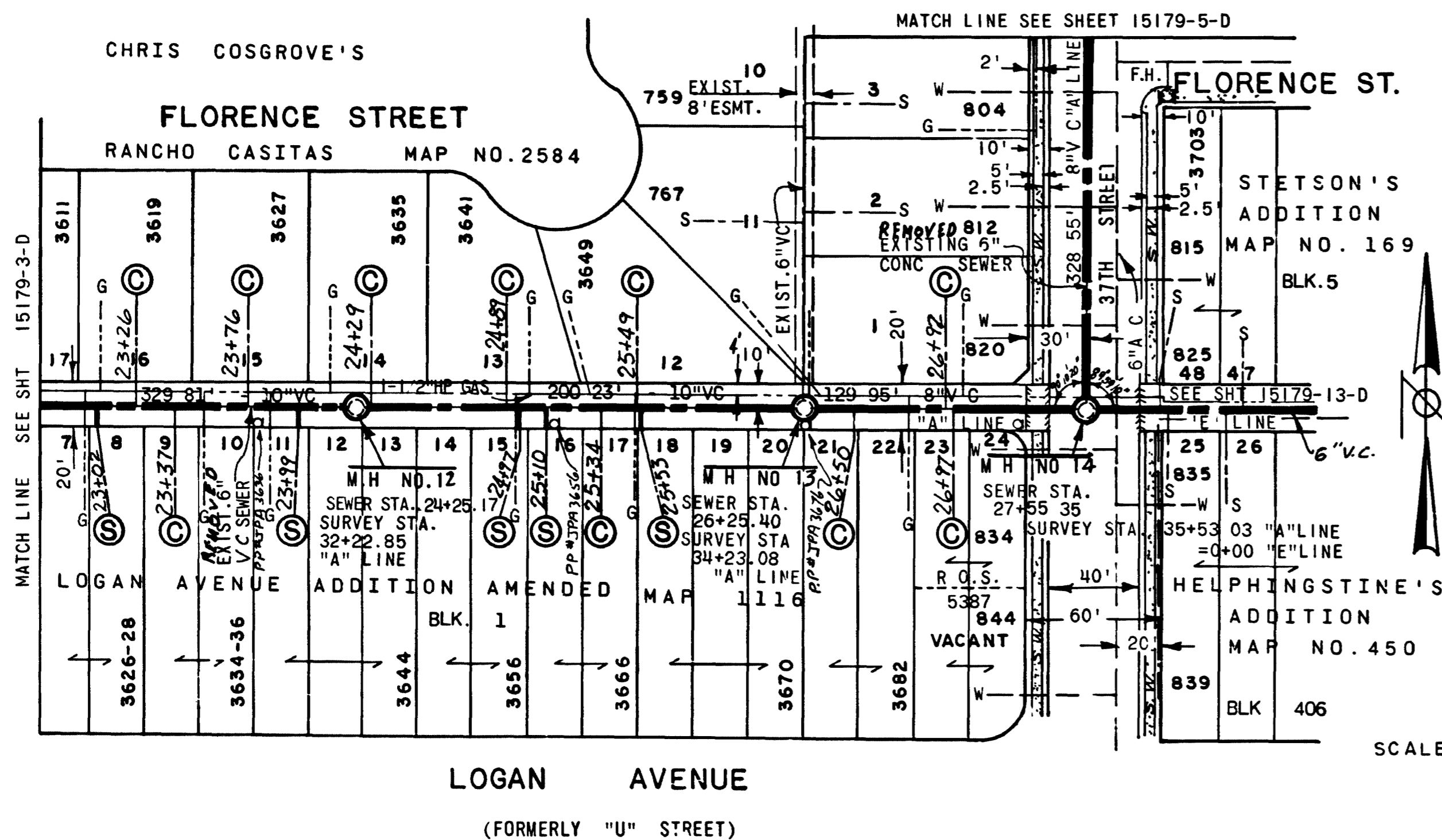
EL. 30
EL. 25
EL. 20
EL. 15
EL. 10
EL. 5

EL. 30
EL. 25
EL. 20
EL. 15

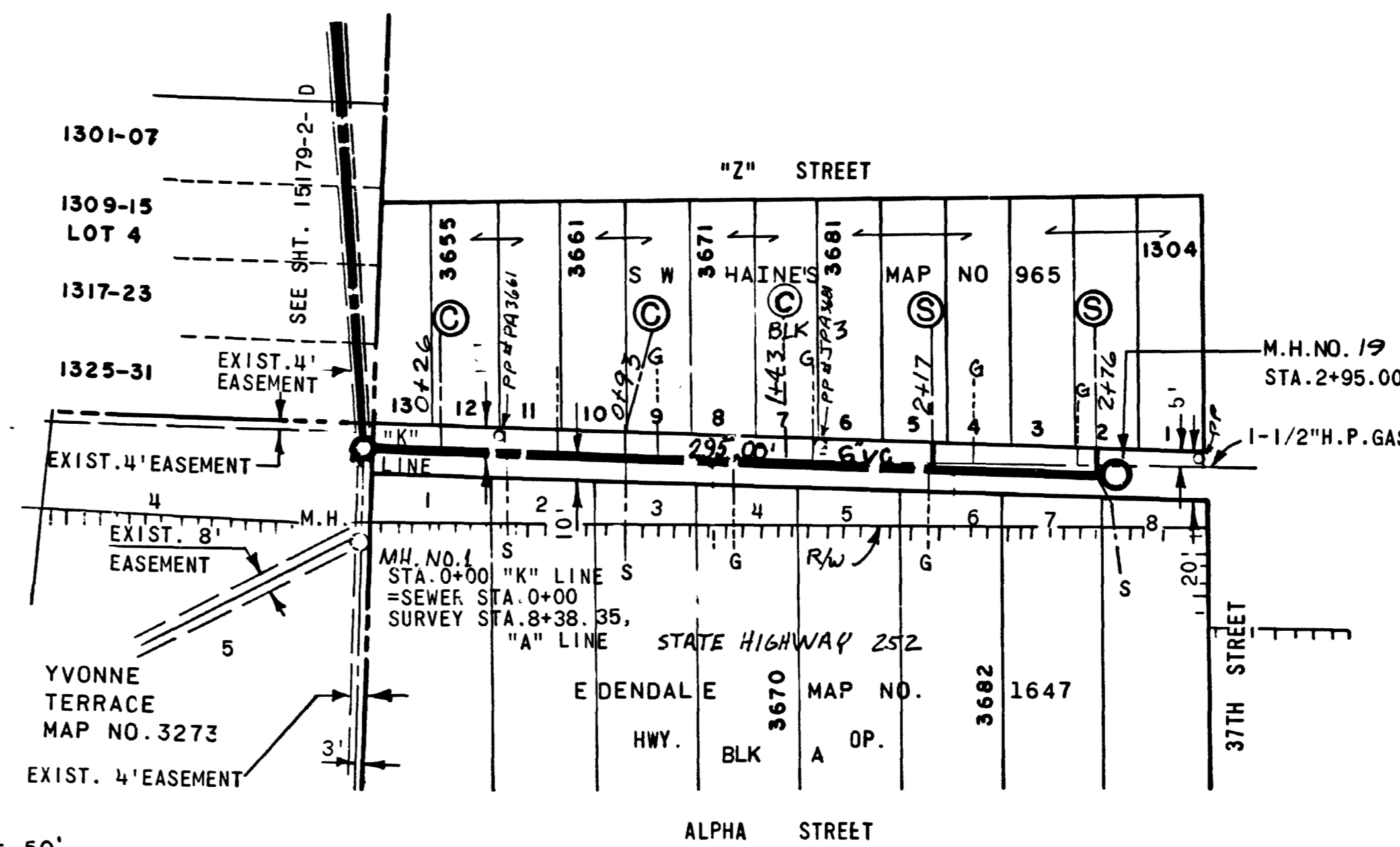
SCALE:
1" = 5' VERT.
1" = 50' HORIZ.

NOTE:
REMOVE EXIST. M.H.'S AND SEWER MAIN ON
SAME ALIGNMENT AS PROPOSED SEWER MAIN
AS BUILT

BENCHMARK
SWBP 37th & BETA MSL DATUM
ELEV 1285'



SCALE: 1" = 50'

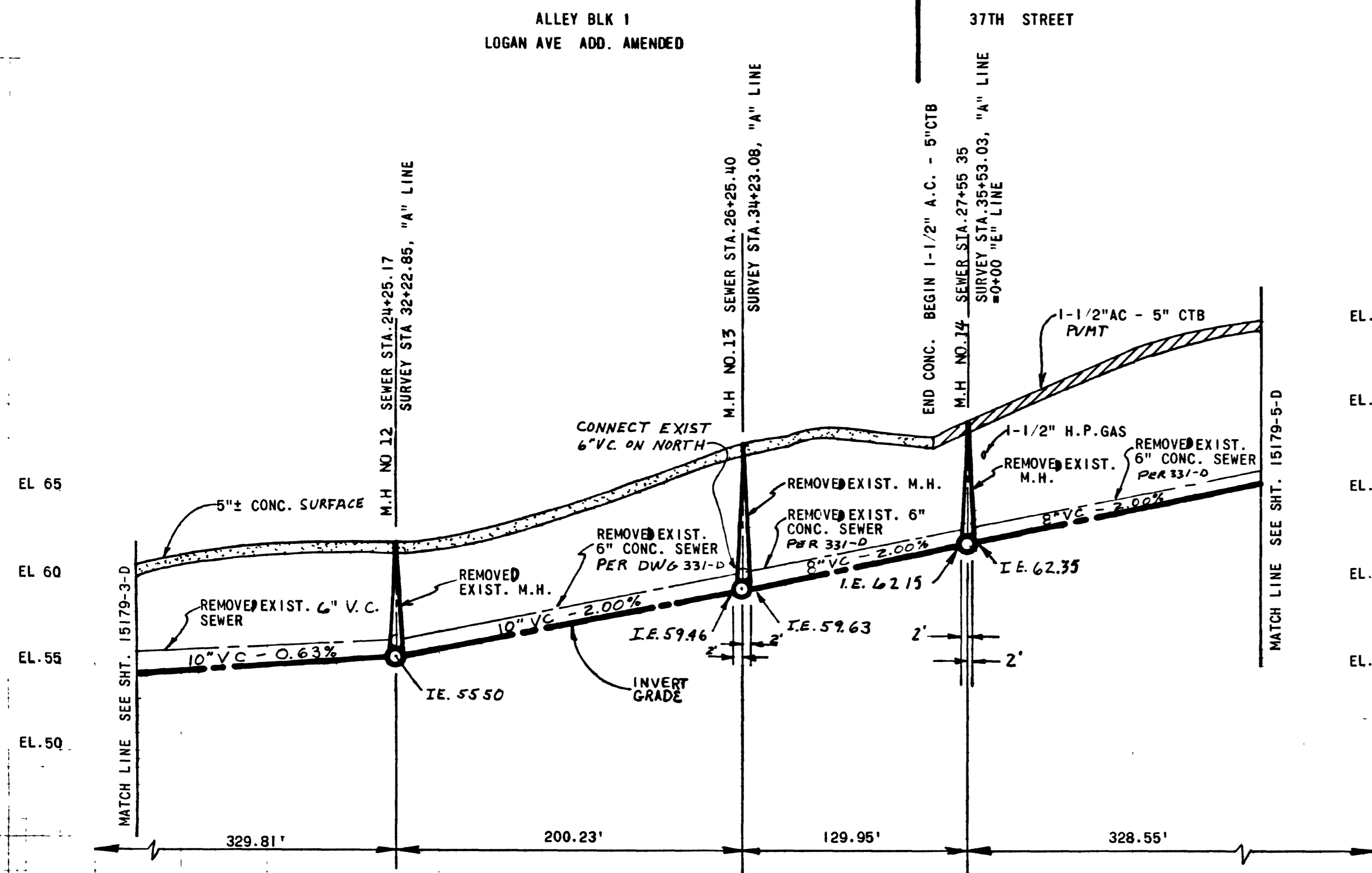


NOTE. DO NOT CONNECT LATERALS TO 3670 AND 3682 ALPHA STREET
IF HOMES HAVE BEEN REMOVED OR ABANDONED. DO NOT CONNECT
ANY OTHER LATERALS THAT SEWER ALPHA STREET.

SEWER MAIN REPLACEMENT - GROUP 22			
37TH ST. & NATIONAL AVE. AREA - PHASE I			
ALLEY, BLOCK 1, LOGAN AVENUE - ADD'N. WEST OF 37TH ST. - ALLEY, BLOCK 3, S W HAINE'S.			
CITY OF SAN DIEGO, CALIFORNIA		E.W.G. 147023	
UTILITIES DEPARTMENT		U.W.G. 61141	
SHEET 4 OF 16 SHEETS			
DRAWING BY: <i>R. King</i>		DATE: 7-24-72	
UTILITIES DIRECTOR		ENGINEERING SUPERINTENDENT	
DESCRIPTION	BY	APPROVED	FILMED
ORIGINAL	JC/	COBURN	
"B" CHANGE F.V.	M.M.		
"AS BUILT"	FV		
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
192-1731		LAMBERT COORDINATES	
CONTRACTOR: HAM BROS.		DATE STARTED: 10-31-74	
INSPECTOR: H. MILLS		DATE COMPLETED: 4-25-75	
CONNECTIONS BY: 15179-4-D			

ALLEY, BLK 1, LOGAN AVE ADD'N -- BLK 3, HAINE'S

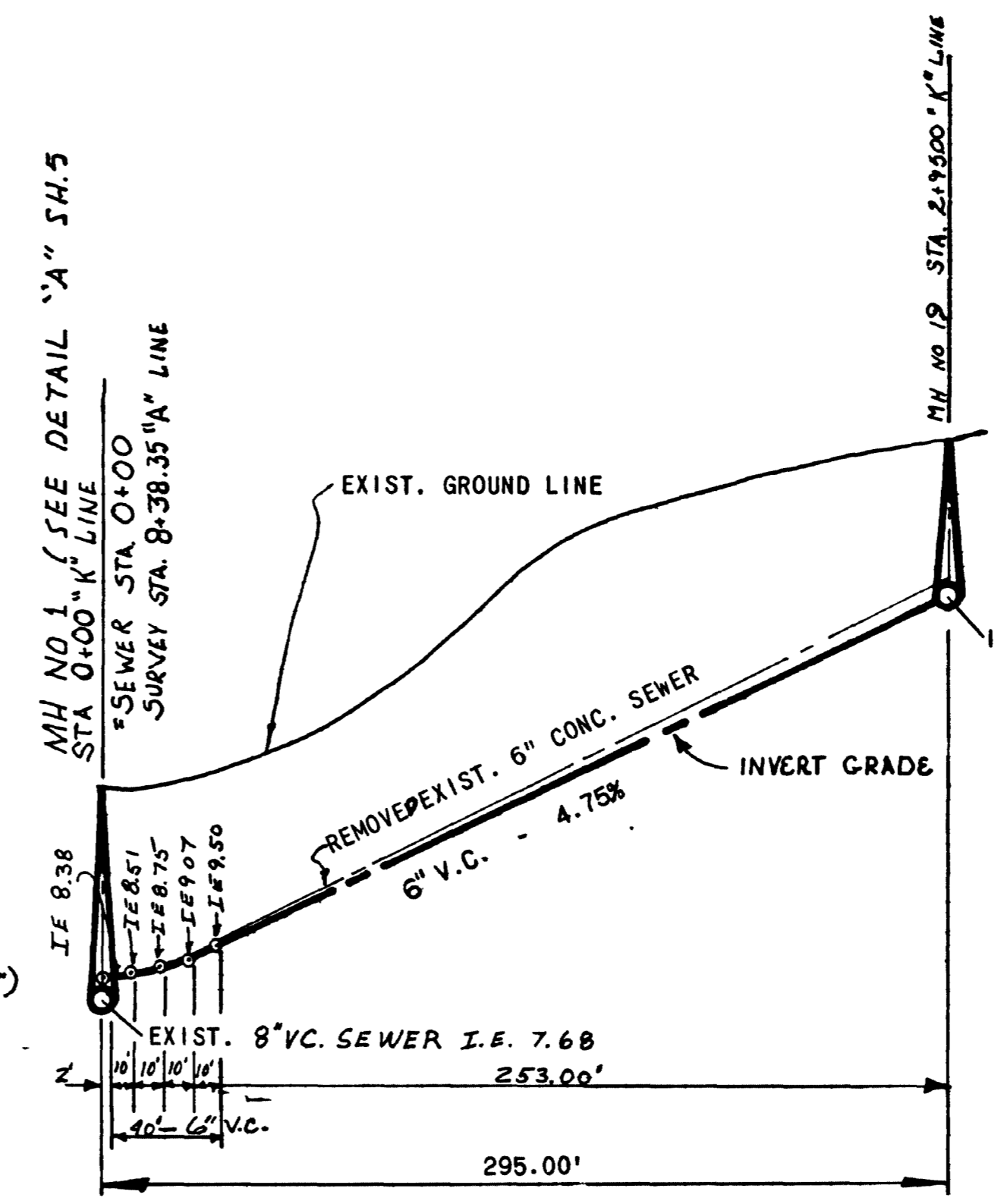
ALLEY, BLK 1, LOGAN AVE ADD'N -- BLK 3, HAINE'S



EL. 75
EL. 70
EL. 65
EL. 60
EL. 55

EL. 30
EL. 25
EL. 20
EL. 15
EL. 10
EL. 5

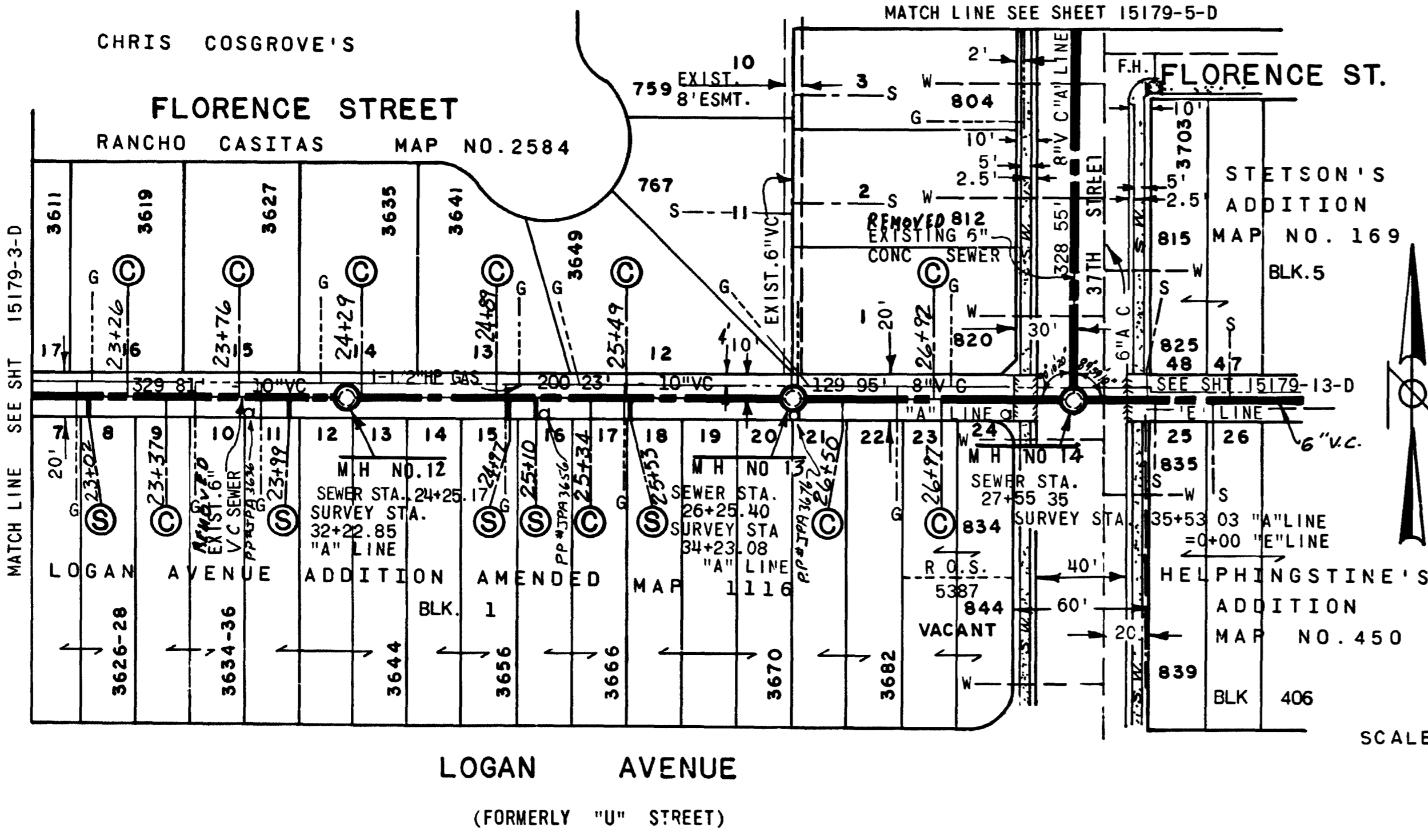
EL. 30
EL. 25
EL. 20
EL. 15



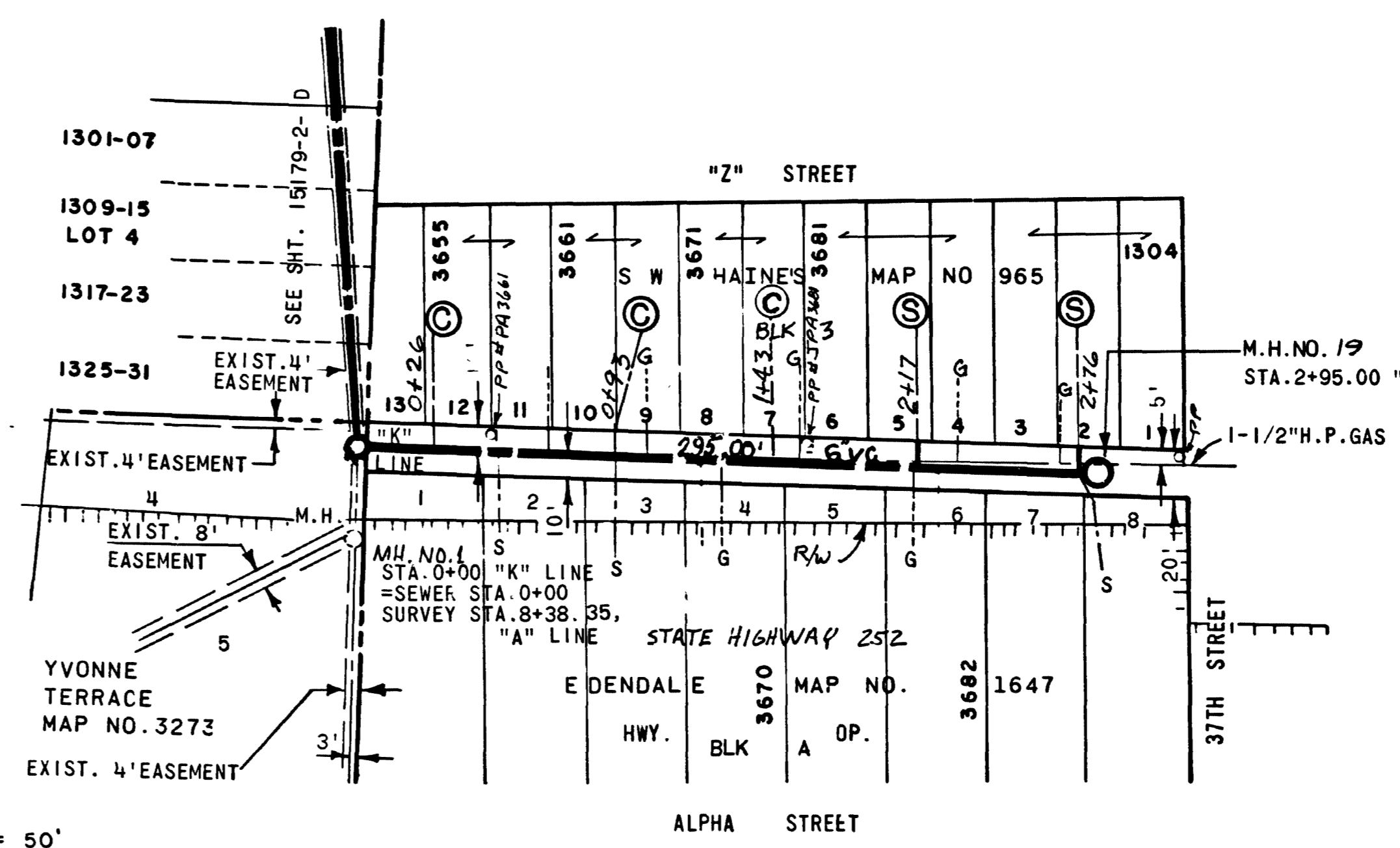
SCALE:
1" = 5' VERT.
1" = 50' HORIZ.

BENCHMARK
SWBP 37th & BETA MSL DATUM
ELEV 1285'

NOTE:
REMOVE EXIST. M.H.'S AND SEWER MAIN ON
SAME ALIGNMENT AS PROPOSED SEWER MAIN
AS BUILT

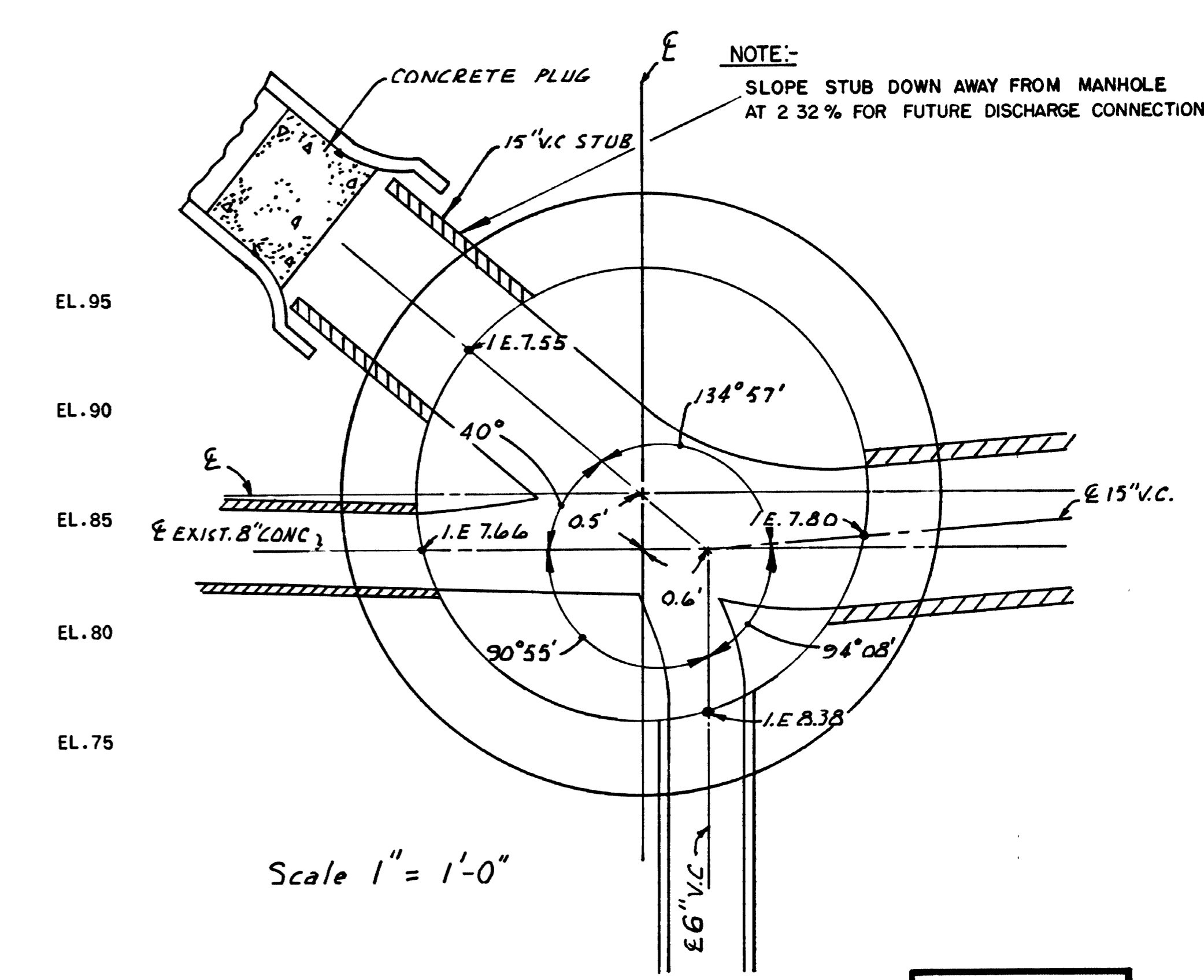
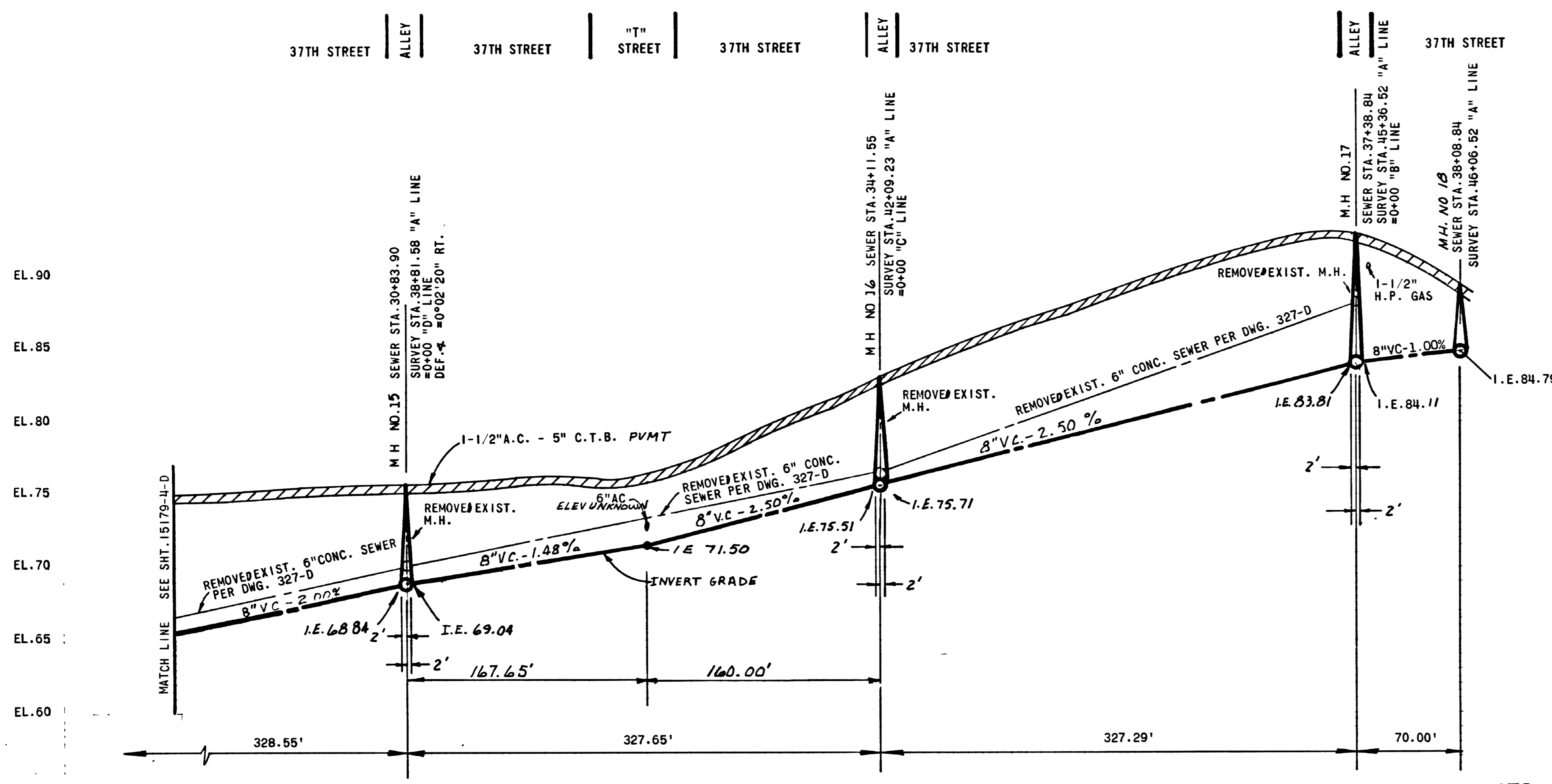


SCALE: 1" = 50'



NOTE. DO NOT CONNECT LATERALS TO 3670 AND 3682 ALPHA STREET
IF HOMES HAVE BEEN REMOVED OR ABANDONED. DO NOT CONNECT
ANY OTHER LATERALS THAT SEWER ALPHA STREET.

SEWER MAIN REPLACEMENT - GROUP 22			
37TH ST. & NATIONAL AVE. AREA - PHASE I			
ALLEY, BLOCK 1, LOGAN AVENUE - ADD'N. WEST OF 37TH ST. - ALLEY, BLOCK 3, S W HAINE'S.			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 4 OF 16 SHEETS		E.W.G. 147023 U.W.G. 61141	
DRAWING BY: [Signature] DATE: 7-24-72		ENGINEERING SUPERINTENDENT: [Signature]	
DESCRIPTION	BY	APPROVED	FILMED
ORIGINAL	JC/	COBURN	
"B" CHANGE	FV		
"AS BUILT"	FV		
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
192-1731		LAMBERT COORDINATES	
CONTRACTOR: HAM BROS. DATE STARTED: 10-31-74		15179-4-D	
INSPECTOR: H. MILLS DATE COMPLETED: 4-25-75			

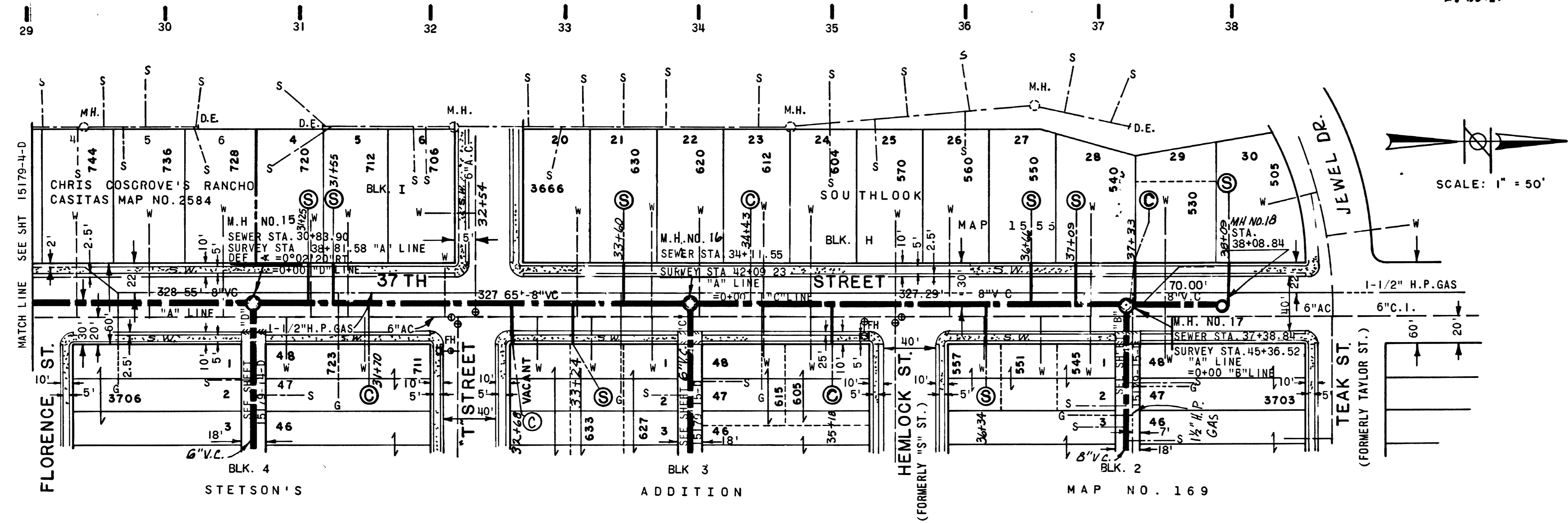


DETAIL "A"
MANHOLE NO. 1

SCALE -
1" = 5' Vert
1" = 50' Horiz.

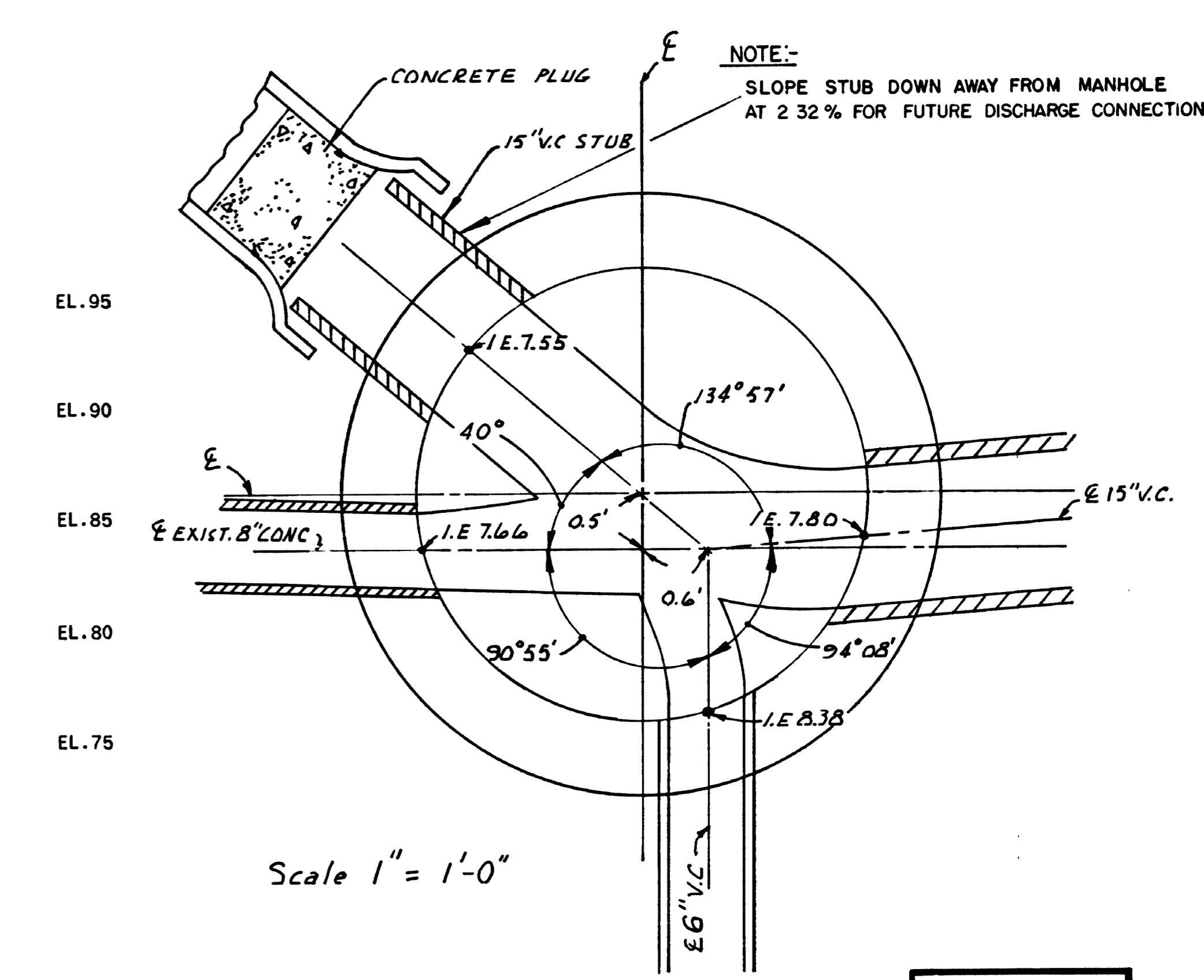
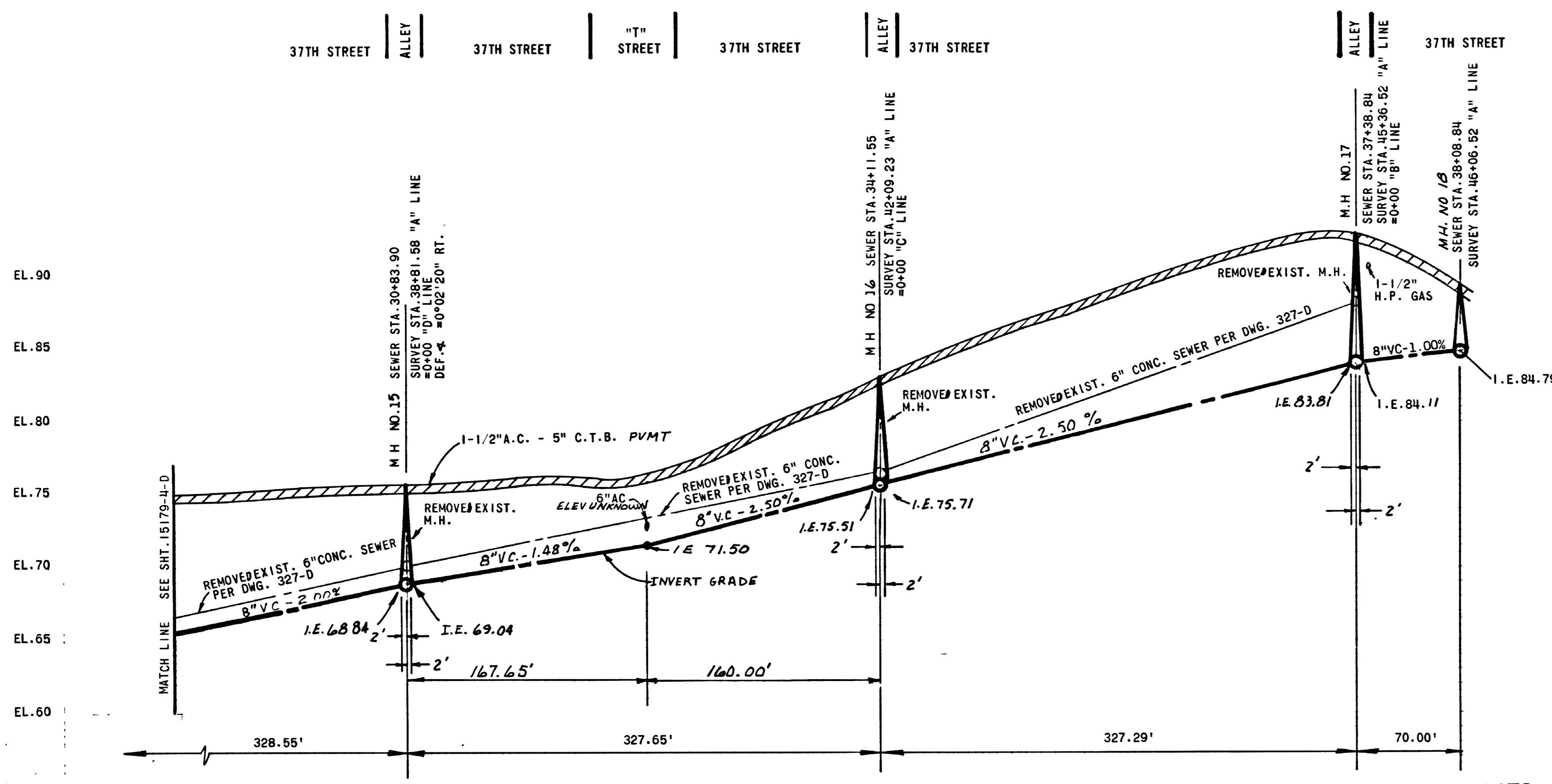
NOTE:
REMOVE EXIST. MH'S AND SEWER MAIN ON
SAME ALIGNMENT AS PROPOSED SEWER MAIN
'AS BUILT'

BENCHMARK -
S.W.B.P. 37th & BETA M.S.L. DATUM
ELEV. 12.85'



CITY CONTRACT			
SEWER MAIN REPLACEMENT - GROUP 22			
37TH ST & NATIONAL AVE AREA - PHASE I			
37TH STREET FROM FLORENCE STREET TO SOUTH OF TEAK STREET			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 5 OF 16 SHEETS		E.W.O. 147023 U.W.O. 61141	
Utilities Director: <i>R. King</i> Date: <i>7/27/75</i> Engineering Superintendent: <i>L. Cook</i>		Description: <i>AS BUILT</i> By: <i>JC/FV</i> Approved: <i>COBURN</i> Filmed: <i>4-25-75</i> Design Engineer: <i>[Signature]</i>	
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
Contractor: <i>HAM BROS.</i> Inspector: <i>H. MILLER</i> Date Started: <i>1-8-75</i> Date Completed: <i>4-25-75</i>		194-1734 LAMBERT COORDINATES 15179-5-D	

37th STREET

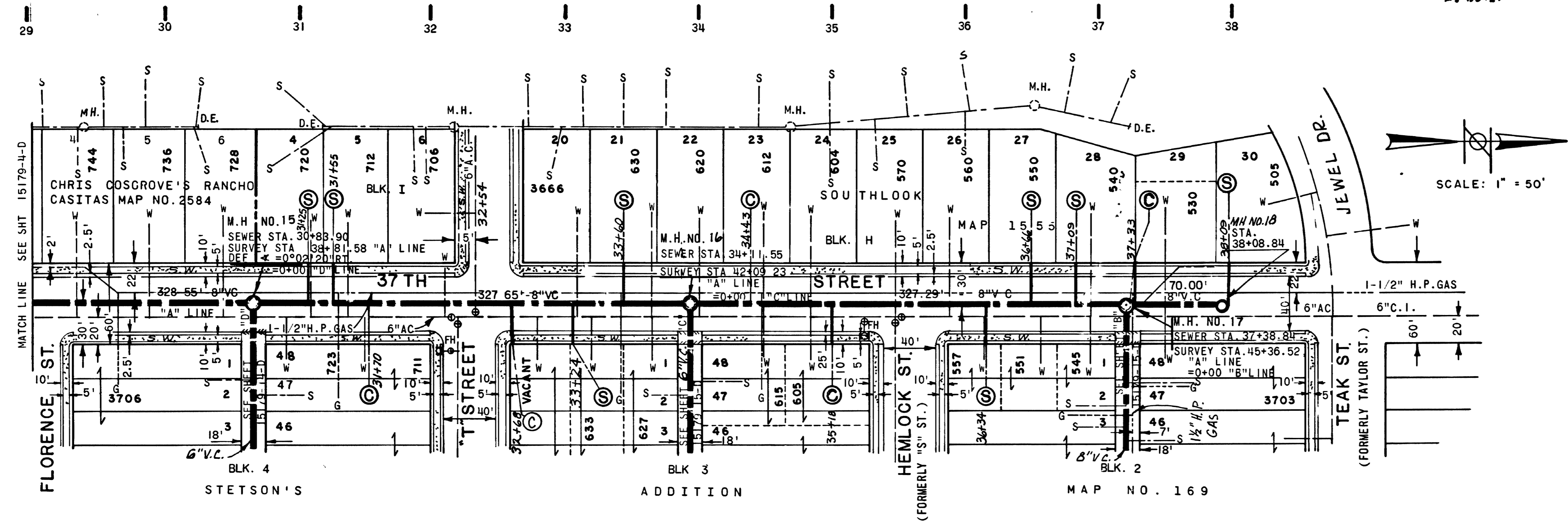


DETAIL "A"
MANHOLE NO. 1

SCALE -
1" = 5' Vert
1" = 50' Horiz.

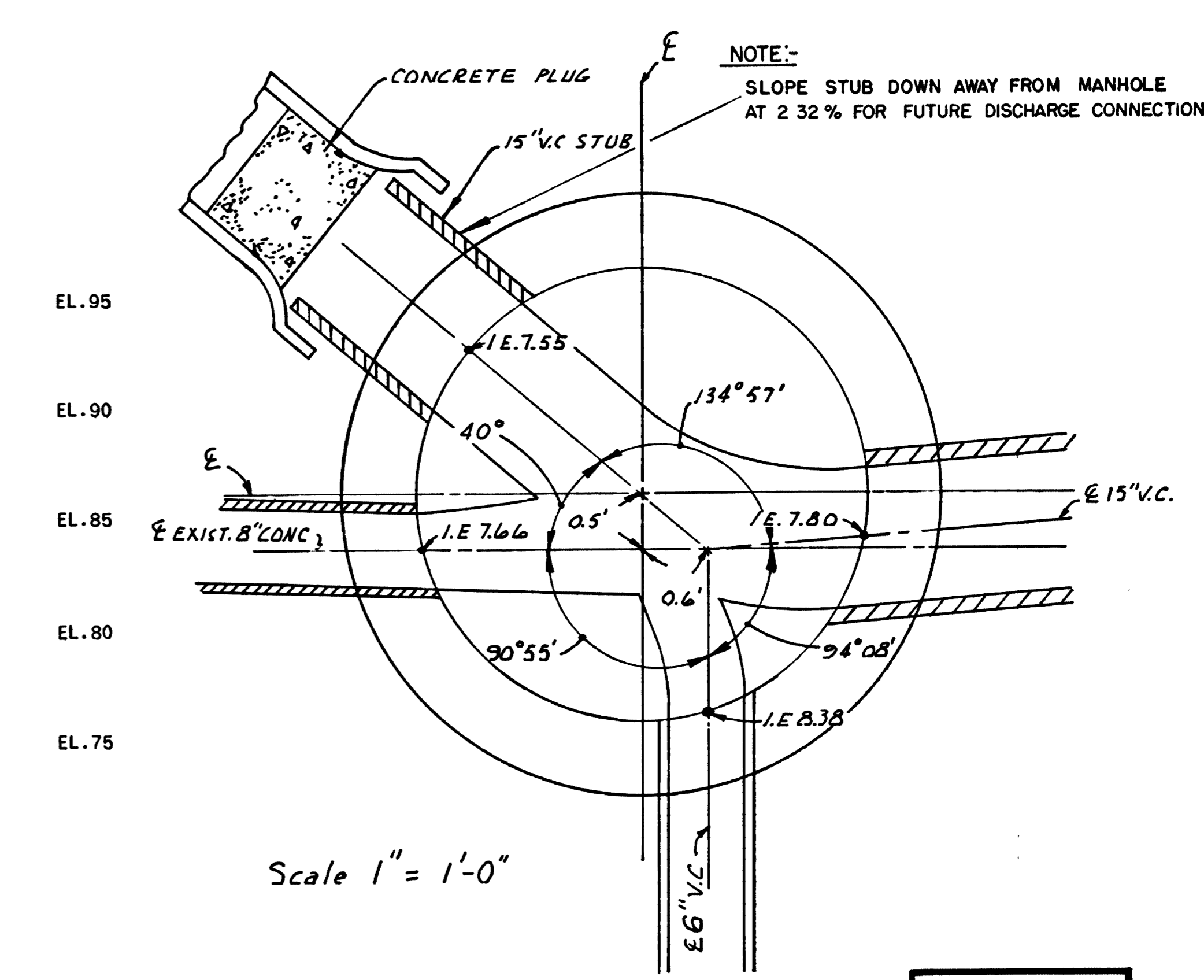
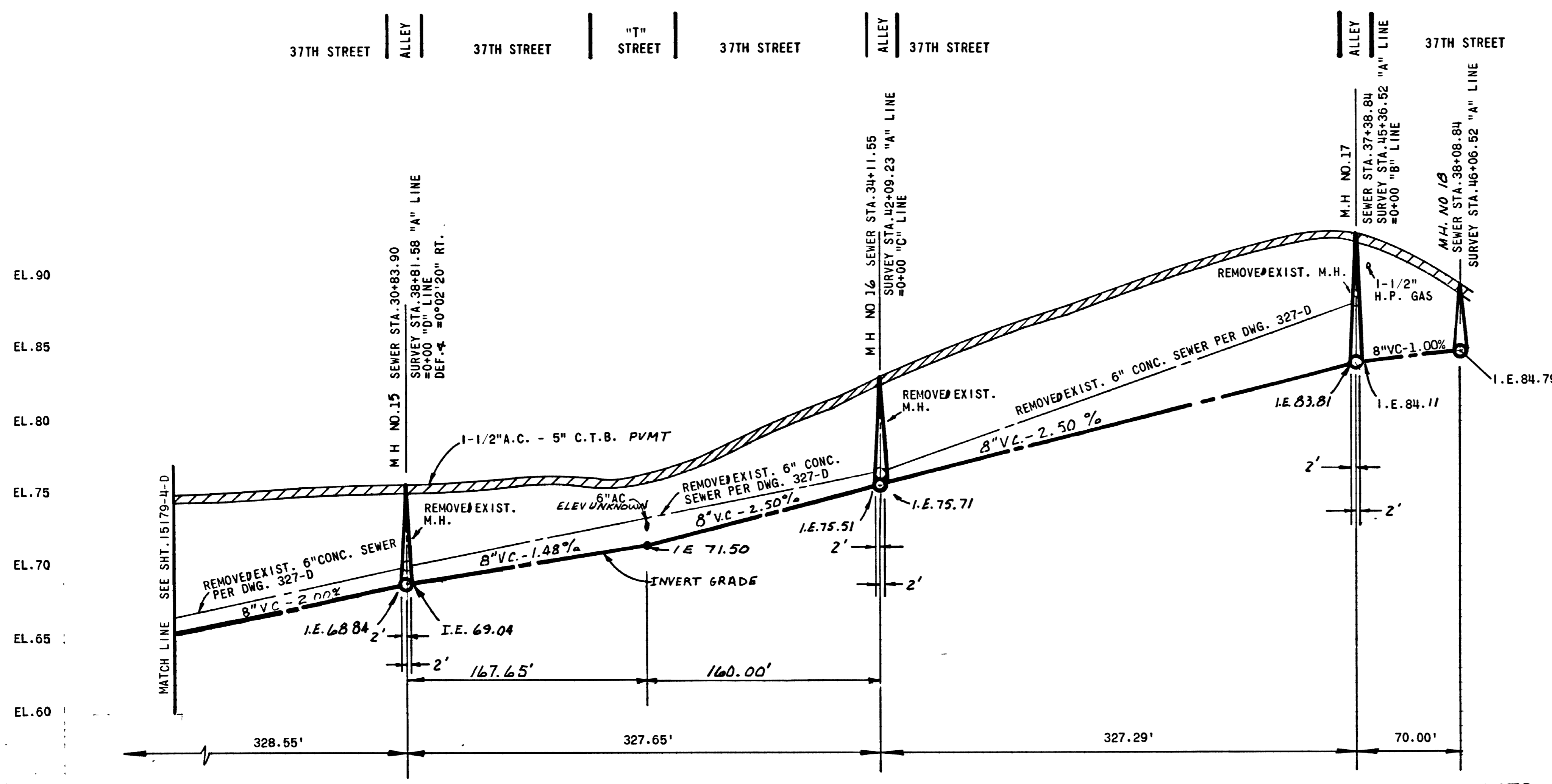
NOTE:
REMOVE EXIST. MH'S AND SEWER MAIN ON
SAME ALIGNMENT AS PROPOSED SEWER MAIN
'AS BUILT'

BENCHMARK -
S.W.B.P. 37th & BETA M.S.L. DATUM
ELEV. 12.85'



CITY CONTRACT	
SEWER MAIN REPLACEMENT - GROUP 22 37TH ST & NATIONAL AVE AREA - PHASE I 37TH STREET FROM FLORENCE STREET TO SOUTH OF TEAK STREET	
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 5 OF 16 SHEETS	E.W.C. 147023 U.W.C. 61141
Utilities Director: <i>R. King</i> Date: <i>7/2/75</i> Engineering Superintendent: <i>L. Cook</i>	
Description: ORIGINAL By: JC/EV Approved: COBURN Filmed: 4/24/74 Design Engineer: <i>[Signature]</i>	CONTROL CERTIFICATION
CONSTRUCTION RECORD	194-1734 LAMBERT COORDINATES
Contractor: <i>HAM BROS.</i> Inspector: <i>H. MILLER</i> Date Started: <i>1-8-75</i> Date Completed: <i>4-25-75</i>	15179-5-D

37th STREET

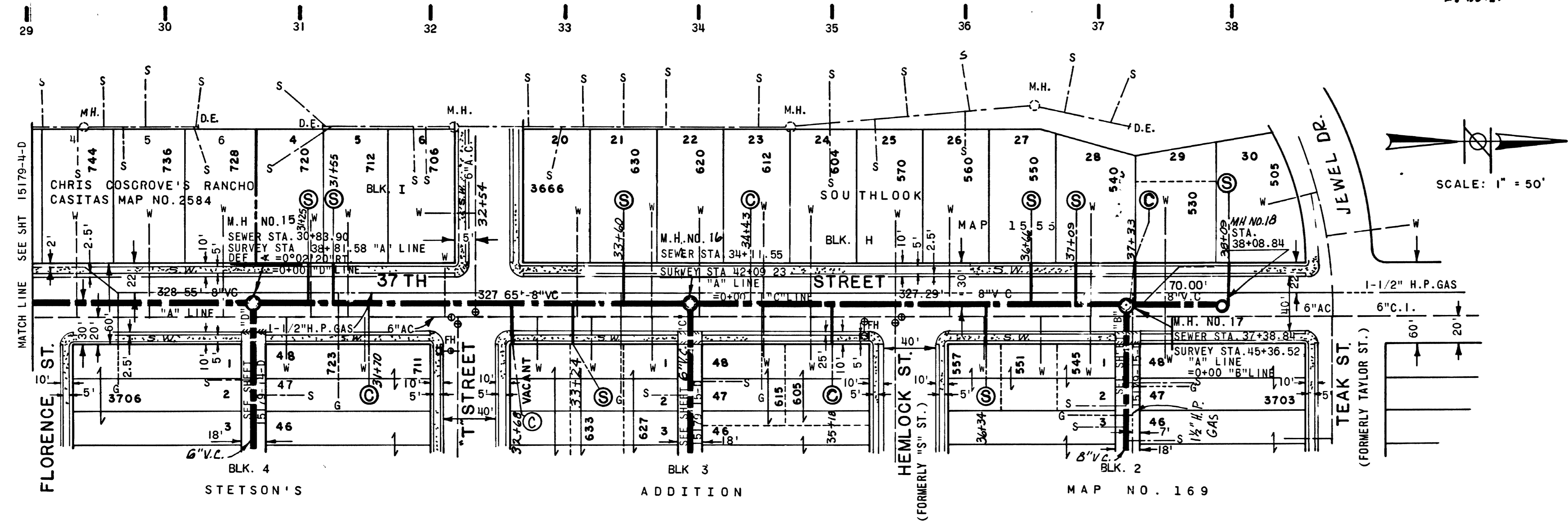


DETAIL "A"
MANHOLE NO. 1

SCALE:
1" = 5' Vert
1" = 50' Horiz.

NOTE:
REMOVE EXIST. MH'S AND SEWER MAIN ON
SAME ALIGNMENT AS PROPOSED SEWER MAIN
'AS BUILT'

BENCHMARK:
S.W.B.P. 37th & BETA M.S.L. DATUM
ELEV. 12.85'

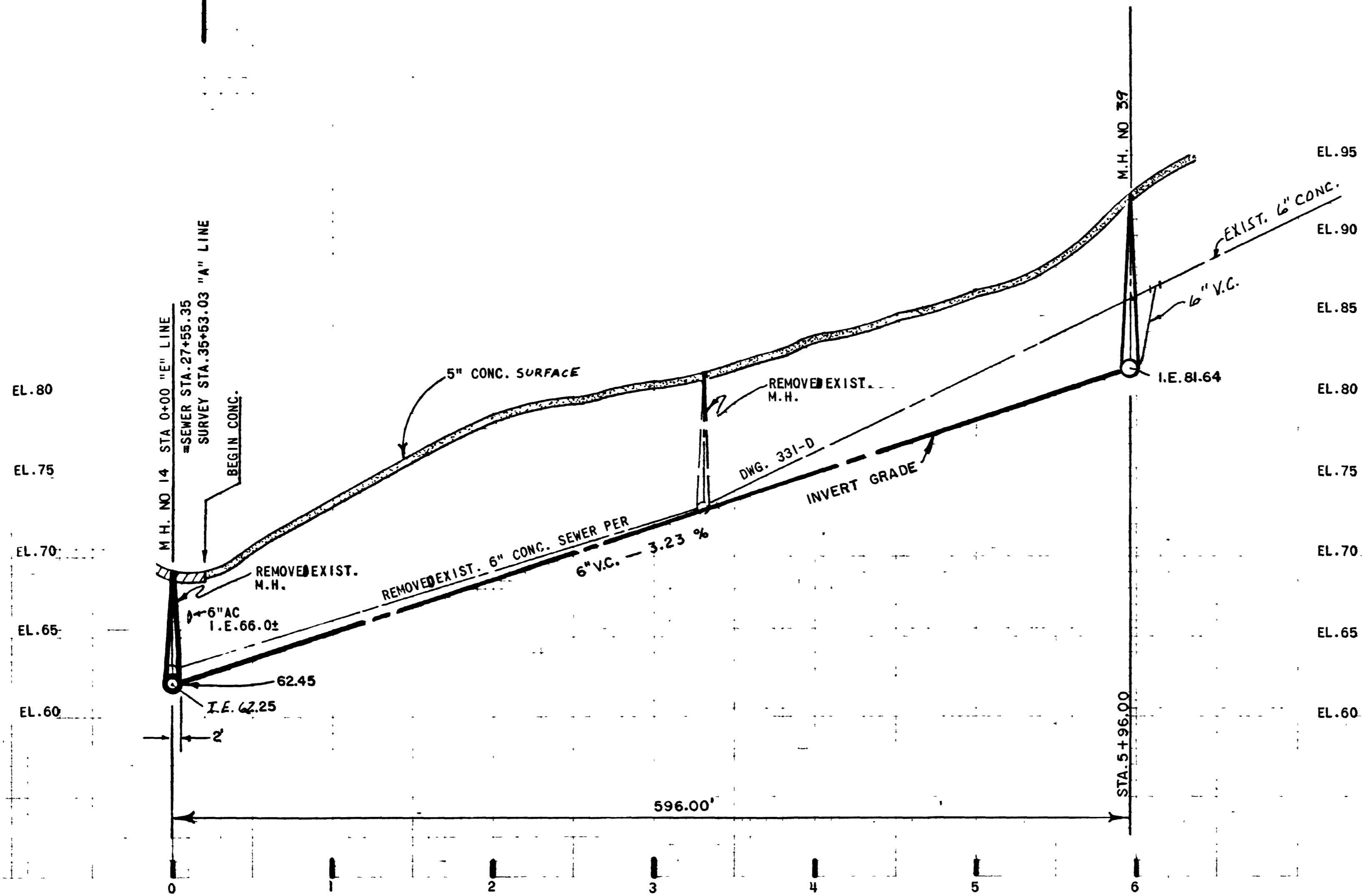


CITY CONTRACT	
SEWER MAIN REPLACEMENT - GROUP 22 37TH ST & NATIONAL AVE AREA - PHASE I 37TH STREET FROM FLORENCE STREET TO SOUTH OF TEAK STREET	
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 5 OF 16 SHEETS	E.W.O. 147023 U.W.O. 61141
Utilities Director: <i>R. King</i> Date: <i>7/27/75</i> Engineering Superintendent: <i>L. Cook</i>	
DESCRIPTION: ORIGINAL BY: JC/EV APPROVED: COBURN FILMED: 4/24/74 DESIGN ENGINEER: <i>[Signature]</i>	CONTROL CERTIFICATION
CONSTRUCTION RECORD	194-1734 LAMBERT COORDINATES
CONTRACTOR: <i>HAM BROS.</i> DATE STARTED: <i>1-8-75</i>	INSPECTOR: <i>H. MILLER</i> DATE COMPLETED: <i>4-25-75</i>
CONNECTIONS BY: _____	
15179-5-D	

37th STREET

37TH ST.

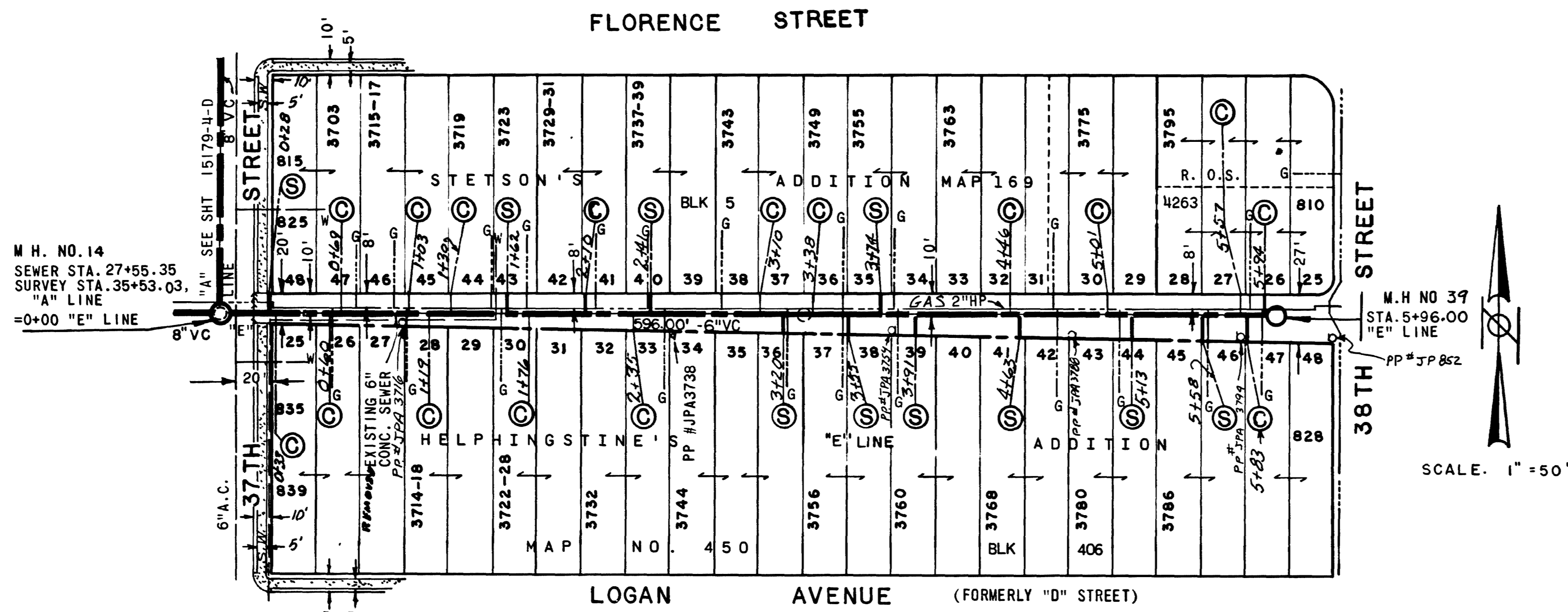
ALLEY, BLK. 5, STETSON'S ADDITION



SCALE:
1" = 5' Vert
1" = 50' Horiz.

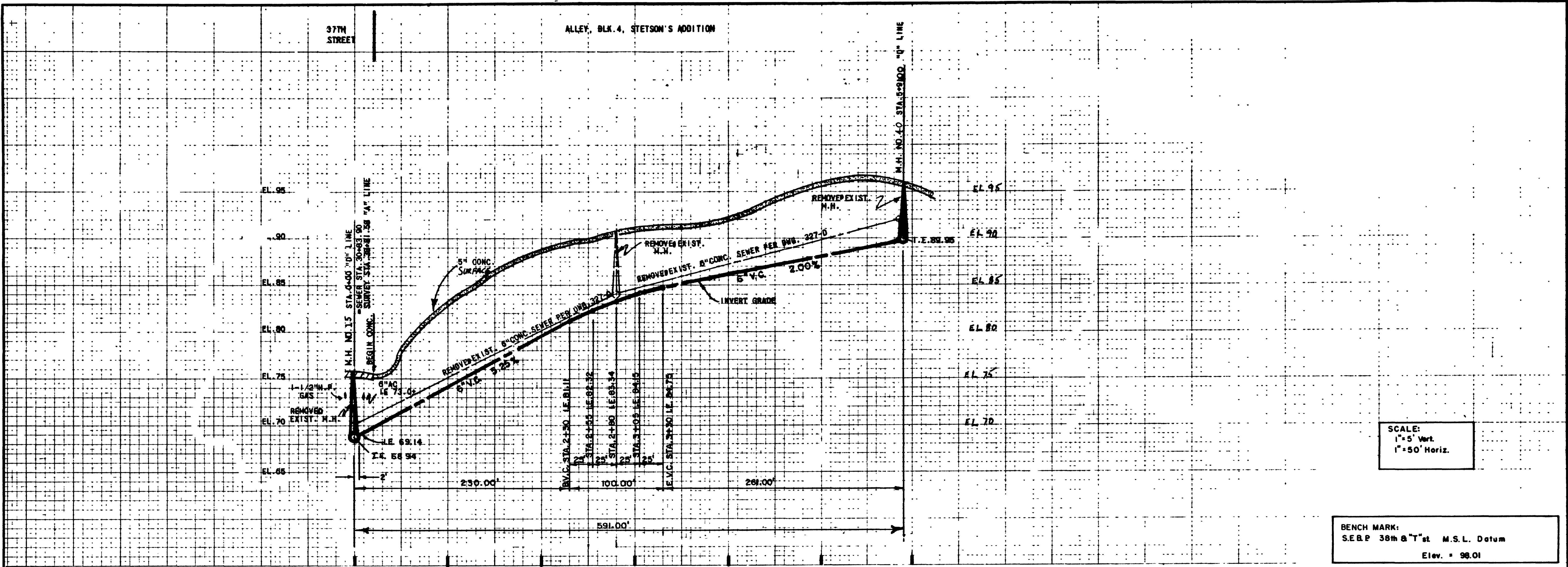
BENCH MARK:
S.E.B.P. 38th & National ave. M.S.L. Datum
Elev. = 82.543

NOTE:
FENCES, WALLS, AND BUILDINGS ARE ALONG ALLEY LINES.
REMOVE EXISTING MANHOLES AND SEWER MAIN ON SAME
ALIGNMENT AS PROPOSED SEWER MAIN.
"AS BUILT"



CITY CONTRACT			
SEWER MAIN REPLACEMENTS - GROUP 22			
37TH ST. & NATIONAL AVE. AREA - PHASE I			
ALLEY, BLK. 406, HELPINGSTINE'S ADD. AND BLK. 5, STETSON'S ADDITION.			
CITY OF SAN DIEGO, CALIFORNIA		E.W.O. 147023	
UTILITIES DEPARTMENT		U.W.O. 61147	
SHEET 13 OF 16 SHEETS			
R.W. King		2/24/77	J. Pooler
UTILITIES DIRECTOR	DATE	ENGINEERING SUPERINTENDENT	
DESCRIPTION	BY	APPROVED	FILMED
ORIGINAL	JC/FV	COBURN	08-28-74
"B" CHANGE	F.V. M.M.H.		
"AS BUILT"	F.V. M.M.H.		
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
		194-1734	
CONTRACTOR HAM BRDS.		LAMBERT COORDINATES	
INSPECTOR H. MILLS		DATE STARTED 12-30-74	15179-13-D
CONNECTIONS BY		DATE COMPLETED 4-25-75	

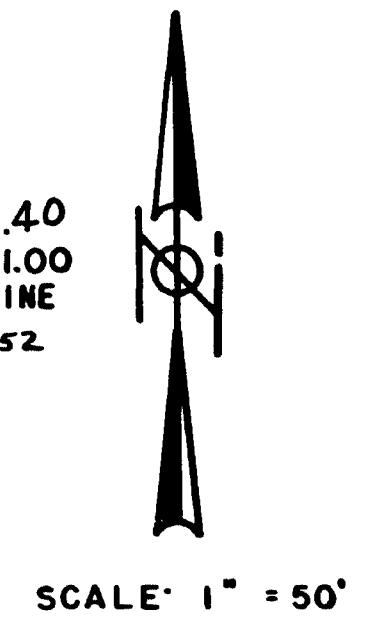
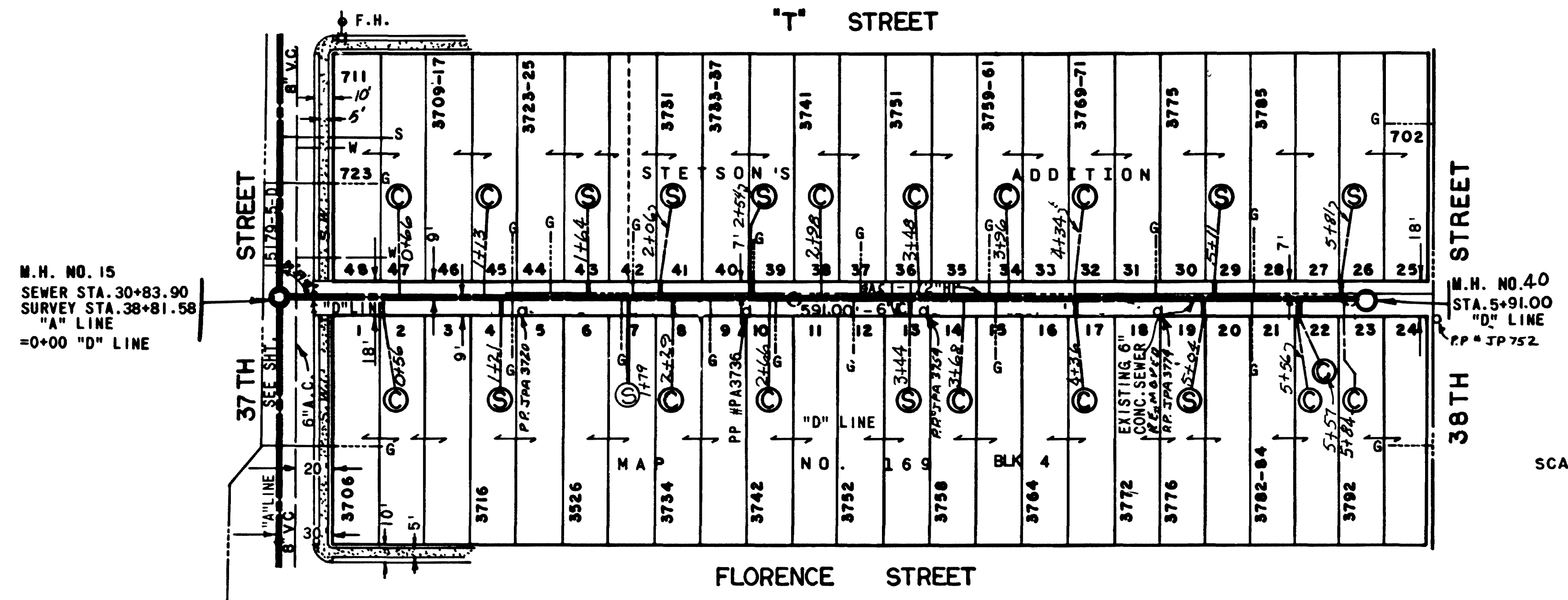
ALLEY, BLK. 406, HELPINGSTINE'S ADD.



SCALE:
1" = 5' Vert.
1" = 50' Horiz.

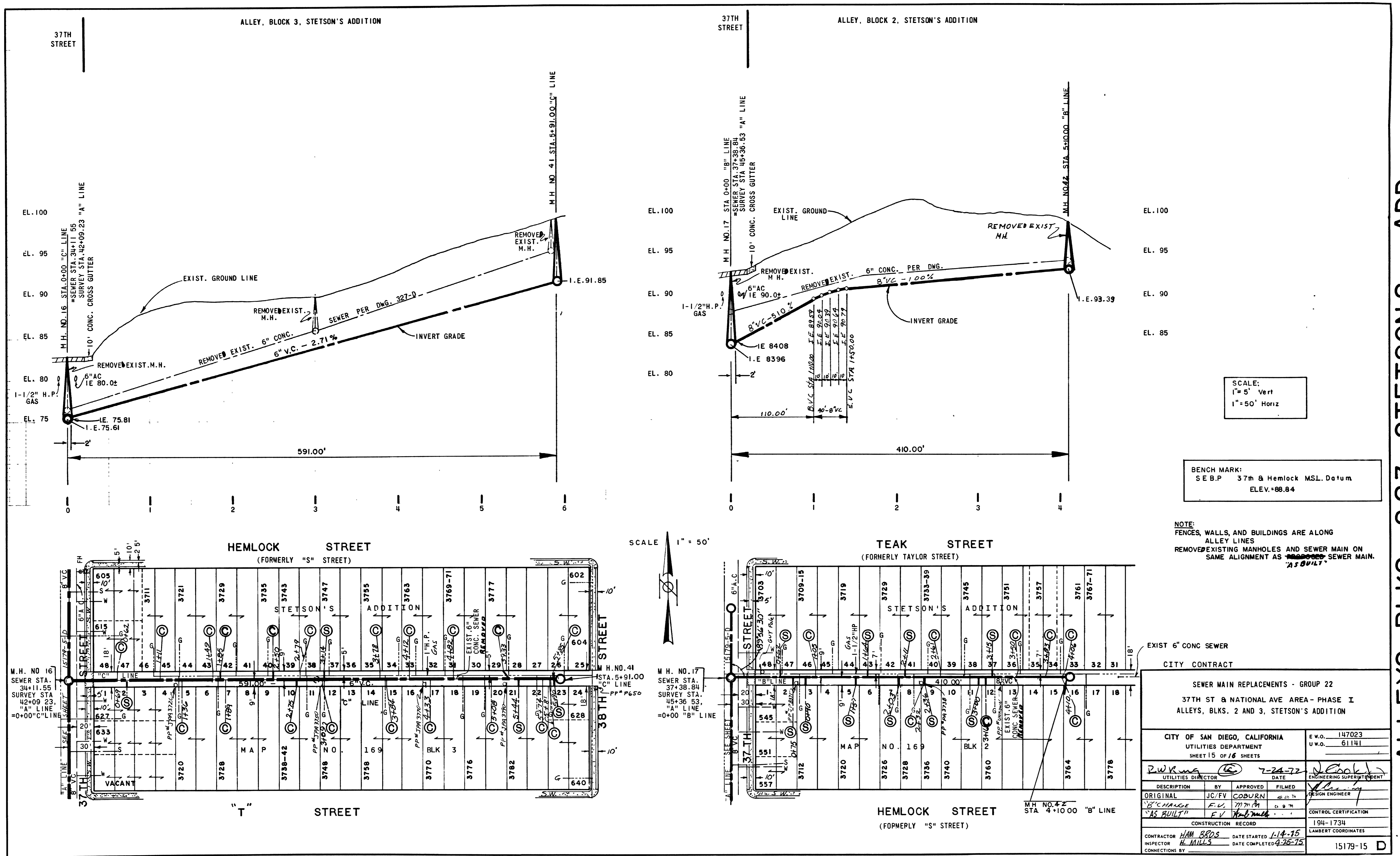
BENCH MARK:
S.E.P. 38th & T^h St M.S.L. Datum
Elev. = 98.01

NOTE
FENCES, WALLS, AND BUILDINGS ARE ALONG ALLEY LINES.
REMOVE EXISTING MANHOLES AND SEWER MAIN ON SAME
ALIGNMENT AS PROPOSED SEWER MAIN.
11/8/17



CITY CONTRACT	
SEWER MAIN REPLACEMENTS - GROUP 22	
37TH ST. & NATIONAL AVE. AREA - PHASE I	
ALLEY, BLK. 4, STETSON'S ADDITION	
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 14 OF 16 SHEETS	E.W.C. 147023 U.W.C. 61141
UTILITIES DIRECTOR: <i>R.W. King</i>	DATE: 7-24-72
BY: <i>J.C. F.V.</i>	APPROVED: <i>COBURN</i>
DESIGN: <i>AS BUILT</i>	DESIGN ENGINEER: <i>[Signature]</i>
CONSTRUCTION RECORD	CONTROL CERTIFICATION
CONTRACTOR: <i>HAM BROS</i>	194-1734
INSPECTOR: <i>H. MILLS</i>	DATE STARTED: 1-17-74
DATE COMPLETED: 2-25-75	LAMBERT COORDINATES
	15179-14-D

ALLEY, BLK. 4, STETSON'S ADD.



SCALE:
 1" = 5' Vert
 1" = 50' Horiz

BENCH MARK:
 SE B.P. 37th & Hemlock MSL. Datum
 ELEV. = 88.84

NOTE:
 FENCES, WALLS, AND BUILDINGS ARE ALONG ALLEY LINES
 REMOVED EXISTING MANHOLES AND SEWER MAIN ON SAME ALIGNMENT AS ~~EXISTING~~ SEWER MAIN. "AS BUILT"

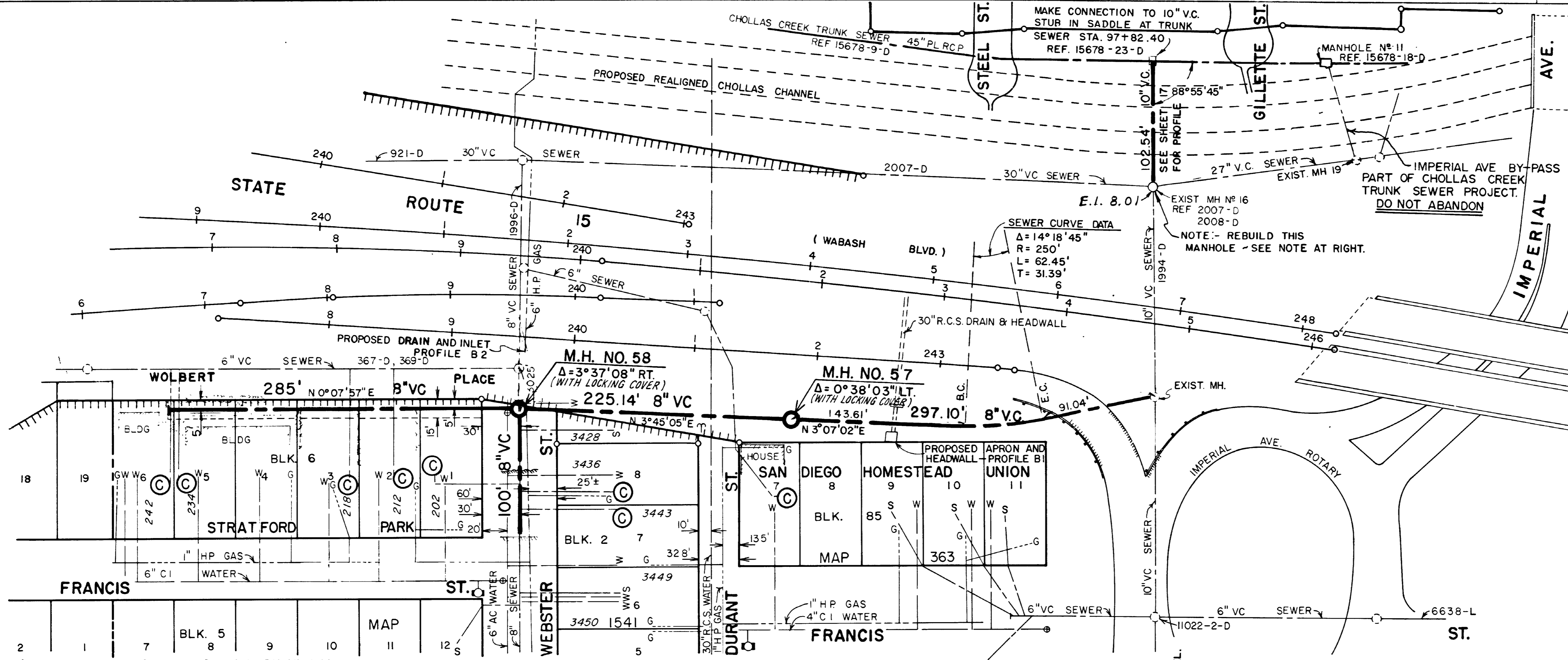
CITY CONTRACT			
SEWER MAIN REPLACEMENTS - GROUP 22 37TH ST & NATIONAL AVE AREA - PHASE I ALLEYS, BLKS. 2 AND 3, STETSON'S ADDITION			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 15 OF 16 SHEETS		E.W.O. 147023 U.W.O. 61141	
<i>R. Williams</i> UTILITIES DIRECTOR		<i>J. Neely</i> ENGINEERING SUPERINTENDENT	
DATE 7-24-72		DATE	
DESCRIPTION	BY	APPROVED	FILMED
ORIGINAL	JC/FV	COBURN	4-25-74
"AS BUILT"	F.V.	M.M.	5-9-74
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
CONTRACTOR HAM BROS		194-1734	
INSPECTOR H. MILLS		LAMBERT COORDINATES	
DATE STARTED 1-14-75		15179-15 D	
DATE COMPLETED 4-25-75			

ALLEYS, BLKS. 2 & 3, STETSON'S ADD.

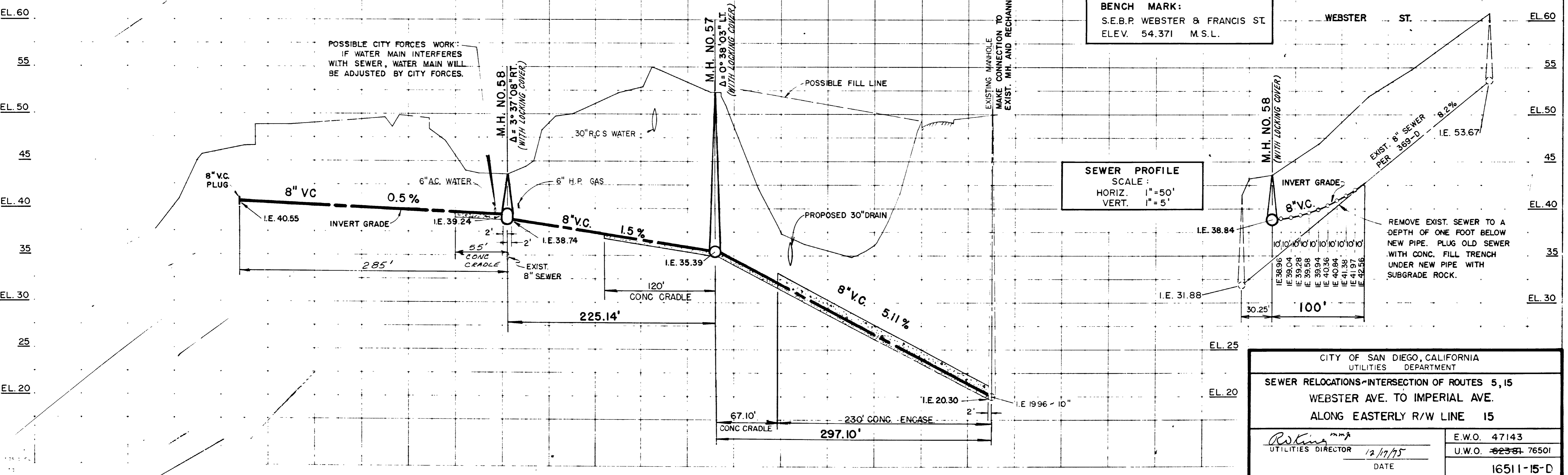
Don W. Robinson
 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 NO. 16593

DATE APPROVED *June 2, 1975*

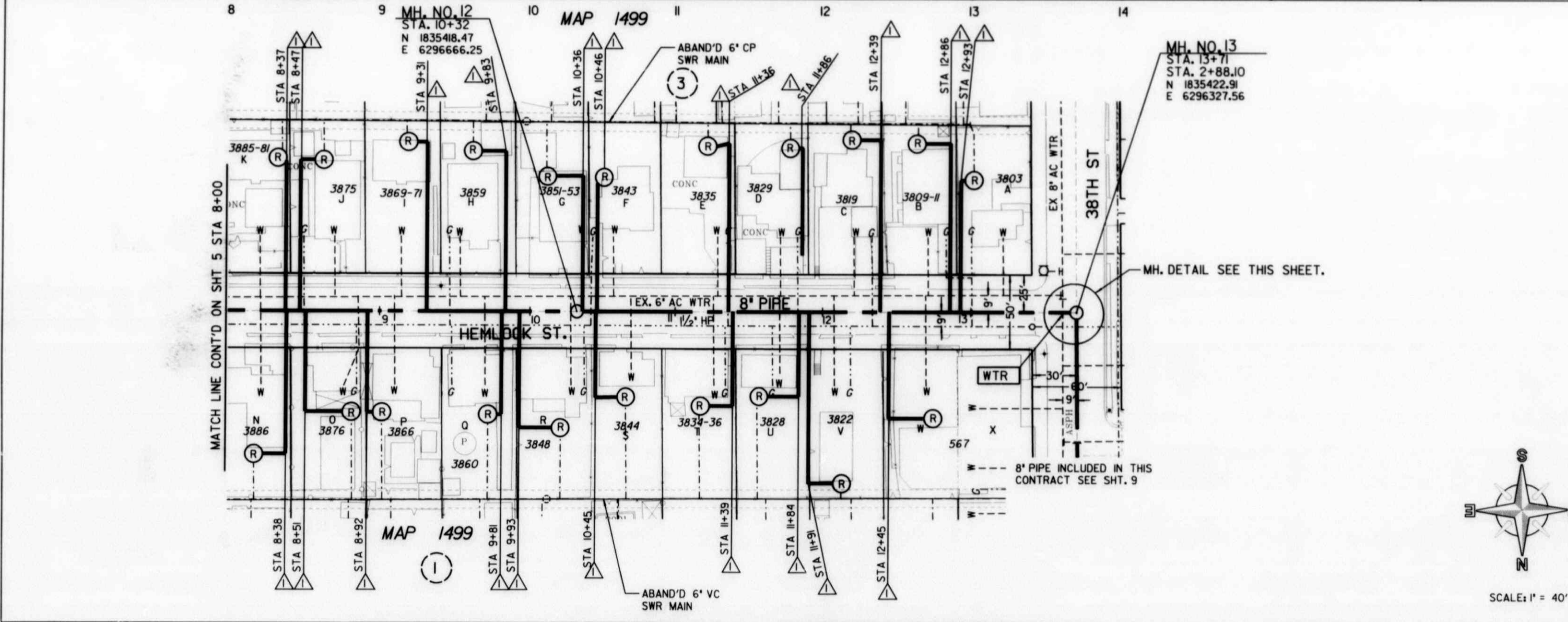
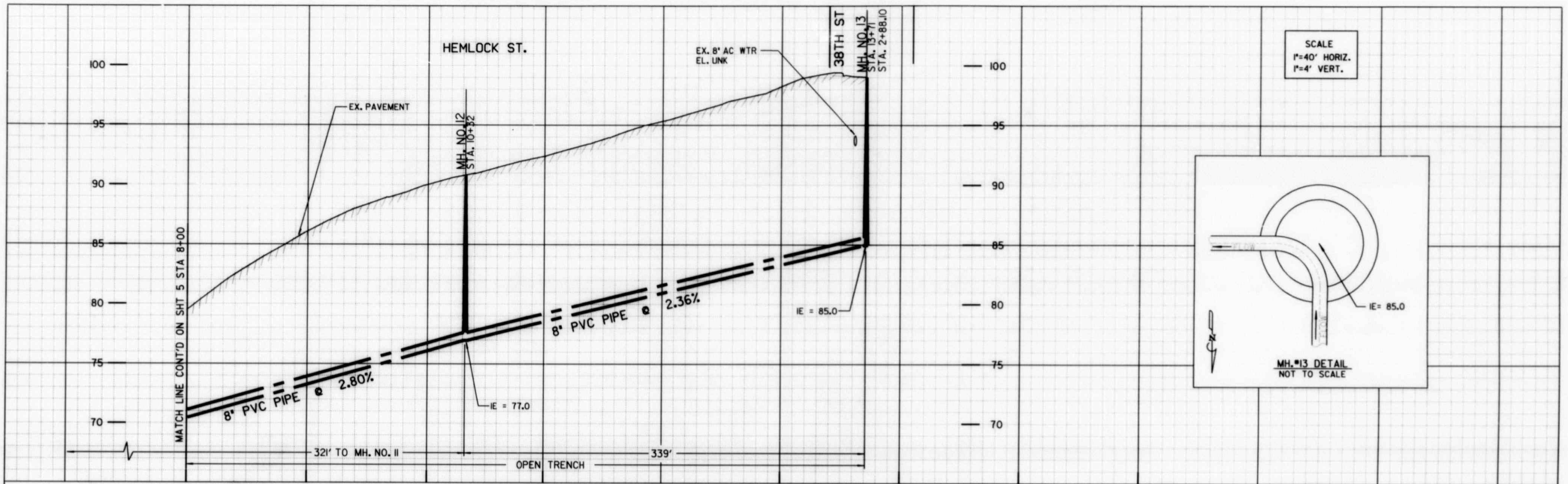
- NOTE:
- WORK TO BE DONE AT EXIST. M.H. 16
 - 1 PLUG 30" AND 27" OPENING WITH CONC. OR BRICK PLUGS A MIN. OF 18" THICK.
 2. CONSTRUCT 10" CHANNEL ACROSS MANHOLE.
 - 3 THIS WORK CANNOT BE DONE UNTILL THE IMPERIAL AVE. BY-PASS HAS BEEN CONSTRUCTED.
 4. ADJUSTED TO GRADE.



SCALE 1" = 50'
 "AS BUILT"
 CONTRACT 11-093034
 YEAR COMPLETED 5-5-78



CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT	
SEWER RELOCATIONS-INTERSECTION OF ROUTES 5, 15 WEBSTER AVE. TO IMPERIAL AVE. ALONG EASTERLY R/W LINE 15	
<i>Robinson</i> UTILITIES DIRECTOR DATE 12/17/75	E.W.O. 47143 U.W.O. 62587 76501 16511-15-D



REFERENCE:

BENCH MARK: NWBP 39TGH ST. AND FRANKLIN AVE.
ELEV. 107.43 MSL

FIELD NOTES: LOGAL, 4-22-97

WATER: 13097-D
SEWER: 1999-L
STORM DRAIN: 194-1734
GAS: 5-324
ELECTRIC: 194-734
CABLE TV: 194-1734
TELEPHONE: 18-7098

IMPROVEMENTS:
WATER FIELD BOOK: 1-23
SEWER FIELD BOOK: 1-23
100' SCALE: 194-1734
THOMAS BROS.: 1289-H5

SEWER GROUP 633
HEMLOCK ST.
STA. 8+00 TO STA. 13+71

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 6 OF 20 SHEETS

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	ZR/MB		01-18-01	JUNE 18 '02

AS-BUILT PER CITY INSPECTOR NR/MD 4/12/05
AS-BUILT PER CITY FORCE INSPECTOR DEAN MARSDEN DATE STARTED 04-02-02 DATE COMPLETED 02-04-04

WATER P.S. SEWER W.O. 173921

Associate Engineer: *Debi Betz*
Project Engineer: *Debi Betz*

CONTROL CERTIFICATION
194-1734
LAMBERT COORDINATES
28406-06-D

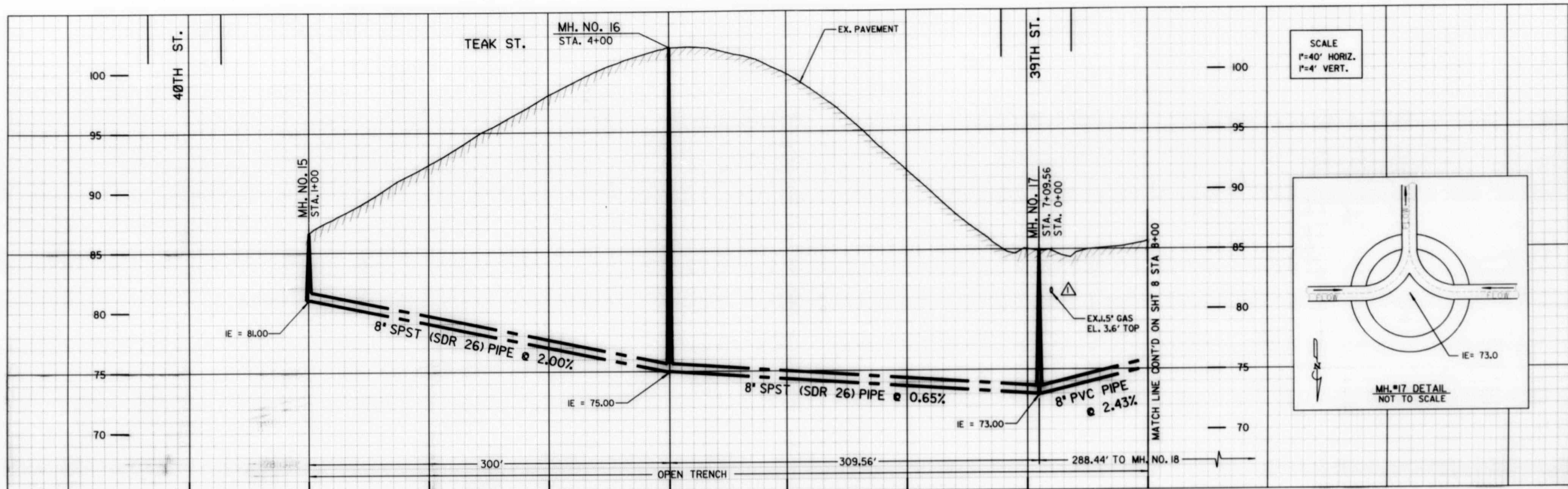


AS-BUILT

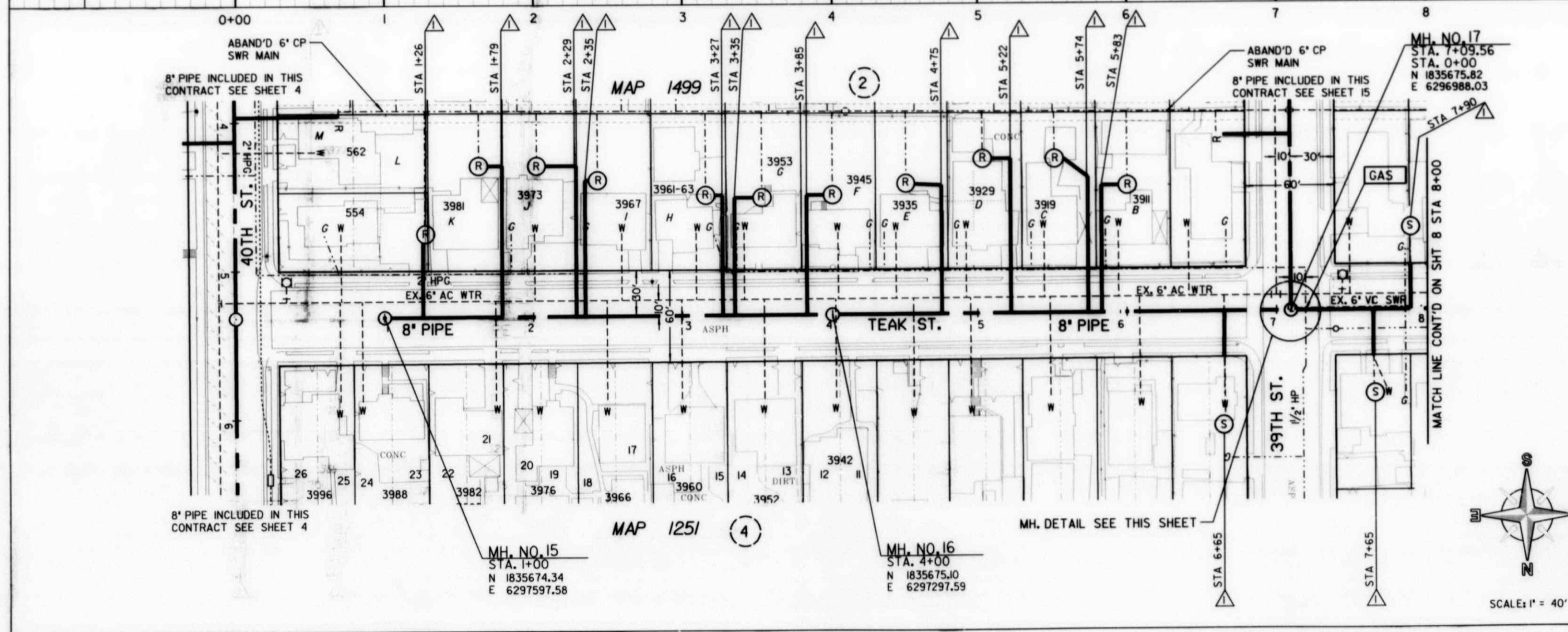
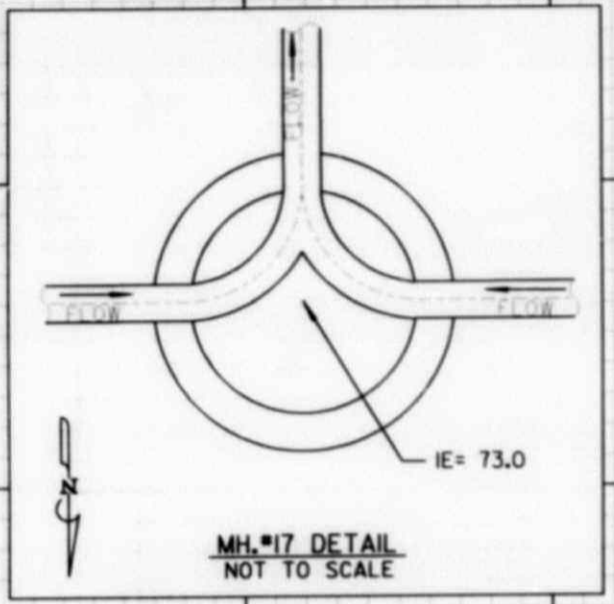
FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



HEMLOCK ST.



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

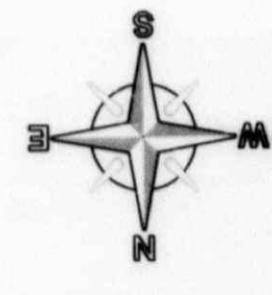


REFERENCE:

- BENCH MARK: NWBP 39THST. AND FRANKLIN AVE. ELEV. 107.43 MSL
- FIELD NOTES: LOGAN, 4-22-97, W.O. 173291
- WATER: 18544-D
- SEWER: 327-D
- STORM DRAIN: 194-1734
- GAS: 5-323
- ELECTRIC: 194-734
- CABLE TV: 194-1734
- TELEPHONE: 18-7096
- IMPROVEMENTS:
 - WATER FIELD BOOK: 1-23
 - SEWER FIELD BOOK: 1-23
 - 100' SCALE: 194-1734
 - THOMAS BROS.: 1289-H5

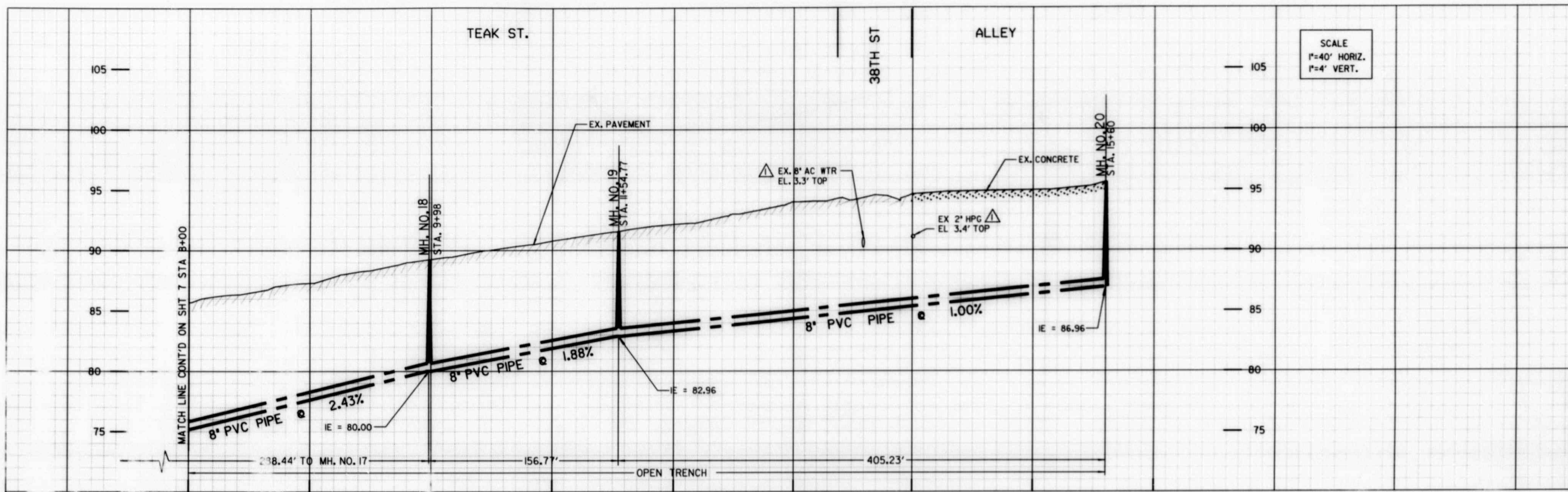
SEWER GROUP 633			
TEAK STREET			
STA 1+00 TO STA 8+00			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 7 OF 20 SHEETS		WATER R.O. SEWER S.O. 173921	
DATE 01-18-01	BY [Signature]	DATE JUNE 18 '02	BY [Signature]
DESCRIPTION ORIGINAL	BY [Signature]	APPROVED [Signature]	DATE JUNE 18 '02
SC			
CONTROL CERTIFICATION		194-1734	
PROJECT ENGINEER		LANSBIE COORDINATOR	
DATE STARTED 04-02-02		DATE COMPLETED 02-04-04	
28406-07-D			

AS-BUILT

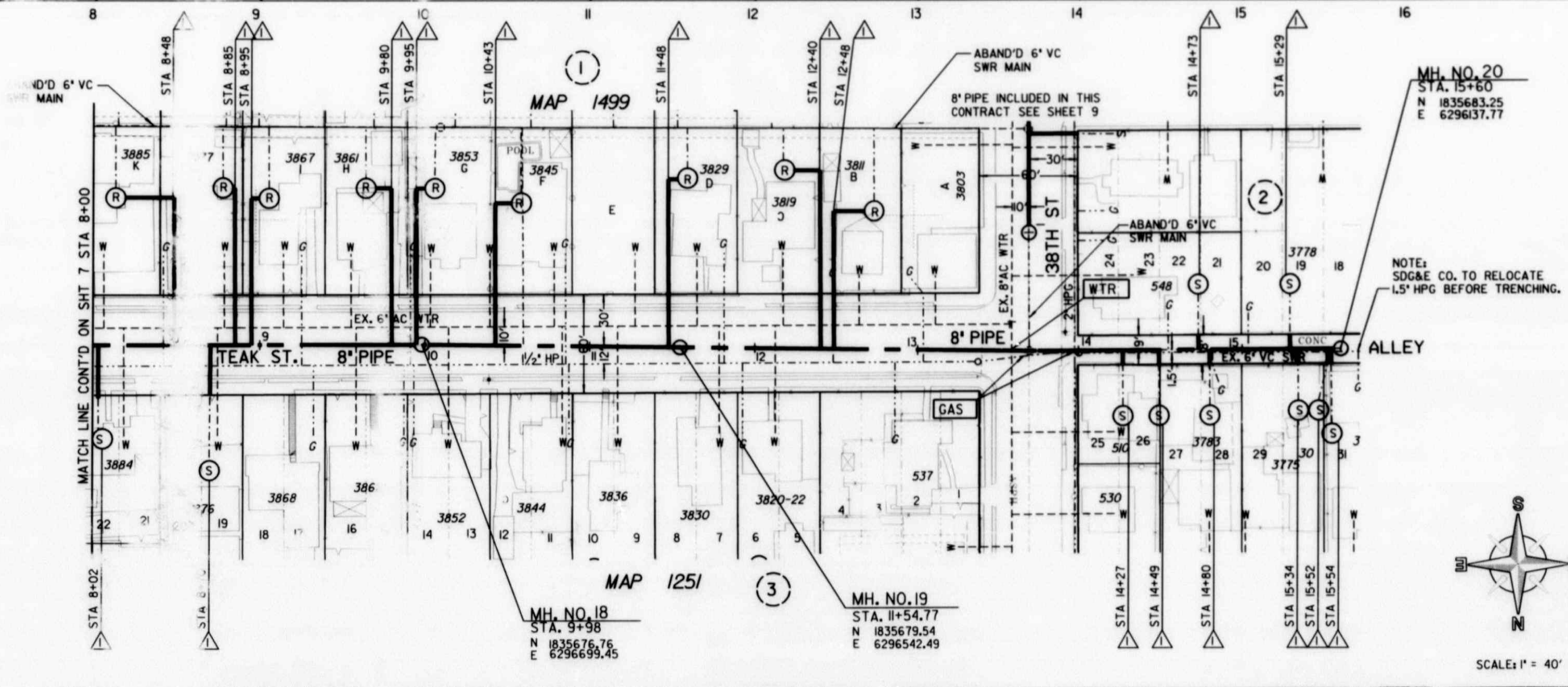


FILED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.

TEAK STREET



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



REFERENCE:
 BENCH MARK: NWBF 39TH ST. FRANKLIN AVE.
 ELEV. 107.43 MSL
 FIELD NOTES: LOGAL, 4-22-97, W.O. 173291
 WATER: 18544-D
 SEWER: 327-D
 STORM DRAIN: 194-1734
 GAS: 5-323
 ELECTRIC: 194-734
 CABLE TV: 194-1734
 TELEPHONE:
 IMPROVEMENTS:
 WATER FIELD BOOK: 1-23
 SEWER FIELD BOOK: 1-23
 100' SCALE: 194-1734
 THOMAS BROS.: 1289

MH. NO. 20
 STA. 15+60
 N 1835683.25
 E 6296137.77

NOTE:
 SDG&E CO. TO RELOCATE
 1.5" HPG BEFORE TRENCHING.

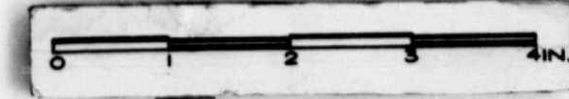


SCALE: 1" = 40'

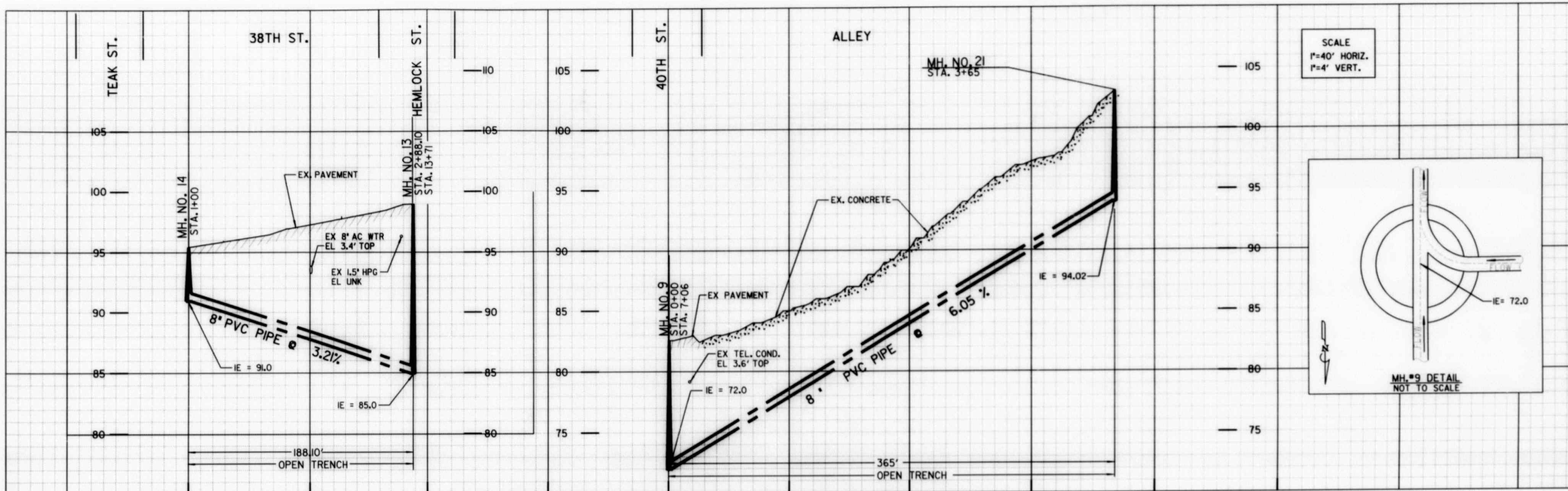
SEWER GROUP 633			
TEAK STREET & ALLEY			
STA. 8+00 TO STA. 15+60			
CITY OF SAN DIEGO, CALIFORNIA		WATER	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		NO. 173921	
SHEET 8 OF 20 SHEETS		DATE: 01-18-02	
APPROVED: <i>[Signature]</i>		ASSOCIATE ENGINEER: <i>[Signature]</i>	
DESCRIPTION: ORIGINAL		APPROVED DATE: JUNE 18 02	
AS-BUILT FOR CITY DIRECTOR		DATE: 1/12/05	
AS-BUILT FOR CITY ENGINEER		DATE: 02-02-02	
CONTROL CERTIFICATION:		DATE: 02-02-02	
LABORER: 2840		DATE: 02-02-02	

AS BUILT

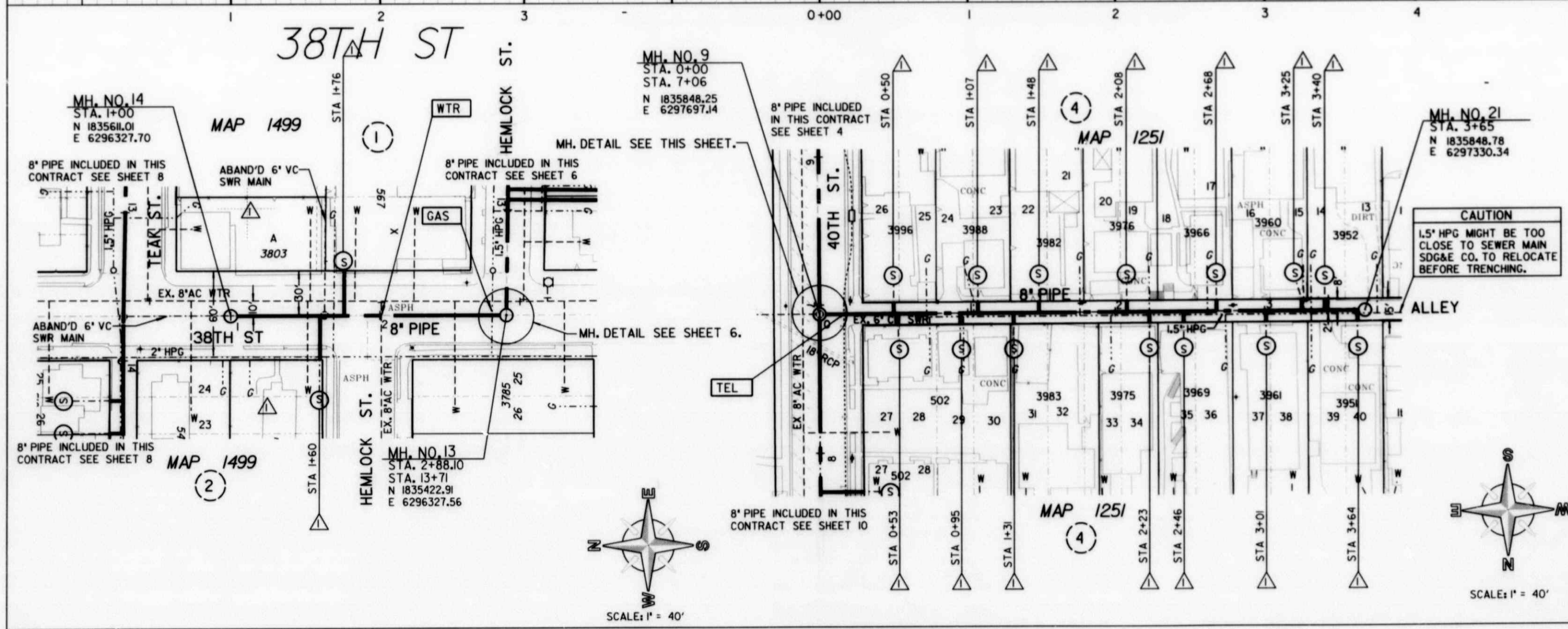
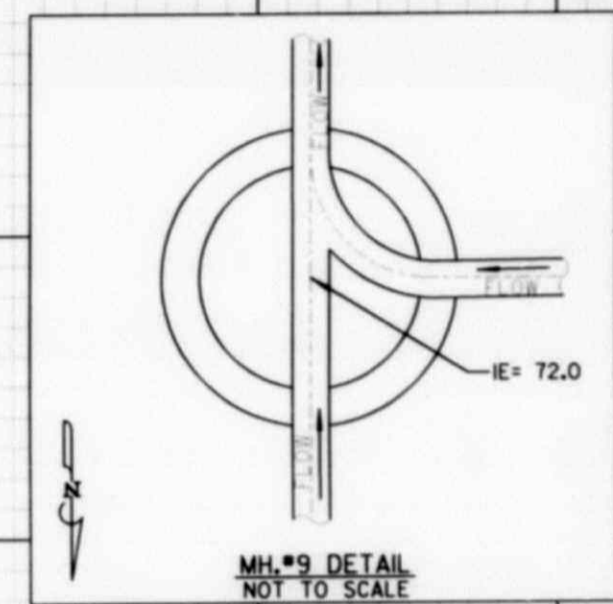
FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



TEAK STREET & ALLEY



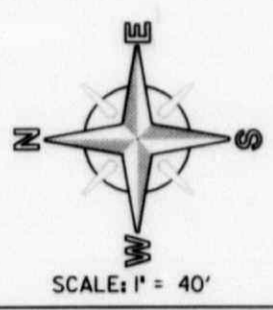
SCALE
 1"=40' HORIZ.
 1"=4' VERT.



REFERENCE:
 BENCH MARK: NEBP 40TH AND T ST.
 ELEV. 56.683 MSL
 FIELD NOTES: LOGAL, 4-22-97, W.O. 173921
 WATER: 20287-D, I3882-D
 SEWER: 327-D, I0825-D
 STORM DRAIN: I94-I734
 GAS: I0-40IA, I0-40IB
 ELECTRIC: I94-I734
 CABLE TV: I94-I734
 TELEPHONE: I8-7096
 IMPROVEMENTS:
 WATER FIELD BOOK: I-23
 SEWER FIELD BOOK: I-23
 100' SCALE: I94-I734
 THOMAS BROS.: I289-H5

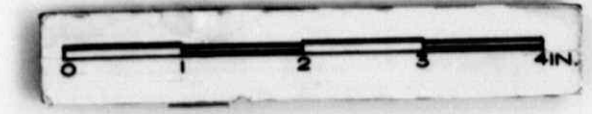
CAUTION
 1.5" HPG MIGHT BE TOO
 CLOSE TO SEWER MAIN
 SDG&E CO. TO RELOCATE
 BEFORE TRENCHING.

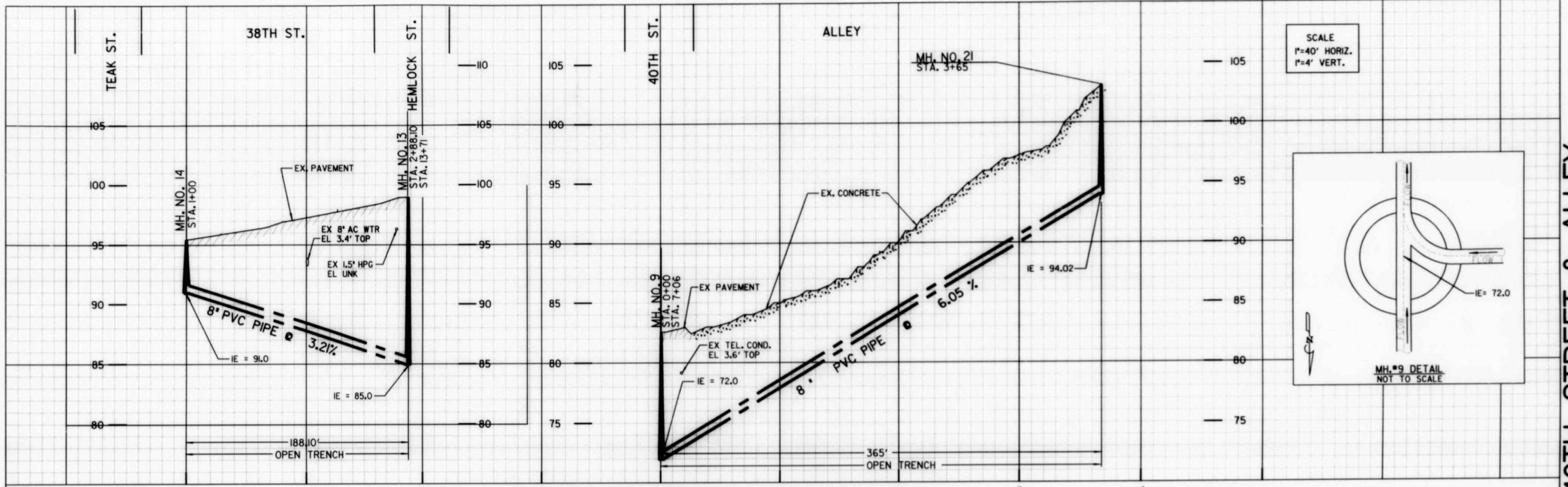
SEWER GROUP 633	
38TH STREET & 40TH STREET & ALLEY	
STA 0+00 TO STA 1+54 & STA 0+00 TO STA 3+65	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 9 OF 20 SHEETS	WATER S.E.R. NO. 173921
DATE: 01-18-01 BY: [Signature] CITY ENGINEER	DATE: [Signature] ASSOCIATE ENGINEER
DESCRIPTION: ORIGINAL	PROJECT ENGINEER: [Signature]
APPROVED DATE: 2/1/01	CONTROL CERTIFICATION
FILED: JUNE 18 '02	194-1734
AS-BUILT PER CITY INSPECTOR	LAMBERT COORDINATES
DATE STARTED: 4/12/05	28406-09-D
DATE COMPLETED: 02-04-04	



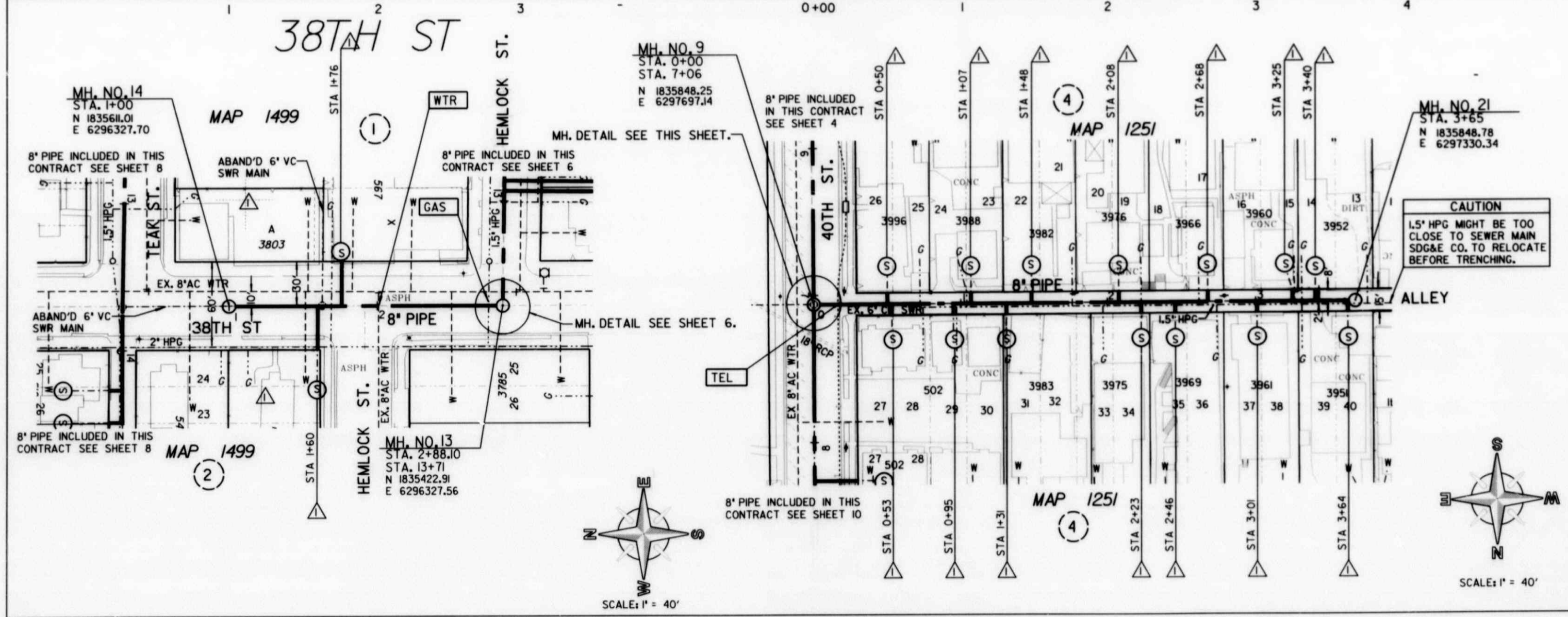
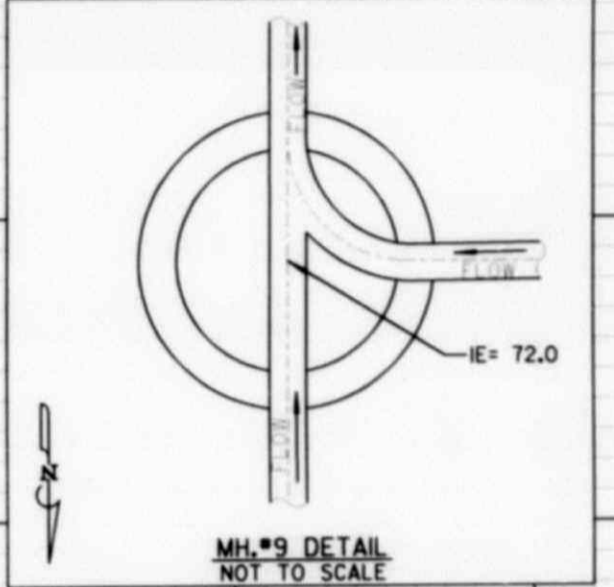
38TH STREET & 40TH STREET & ALLEY

FILED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.





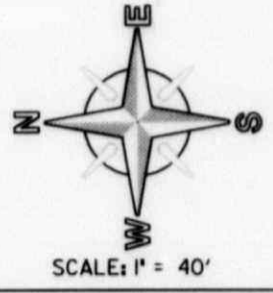
SCALE
 1"=40' HORIZ.
 1"=4' VERT.



REFERENCE:
 BENCH MARK: NEBP 40TH AND T ST.
 ELEV. 56.683 MSL
 FIELD NOTES: LOGAL, 4-22-97, W.O. 173921

WATER: 20287-D, I3882-D
 SEWER: 327-D, I0825-D
 STORM DRAIN: I94-I734
 GAS: IO-40IA, IO-40IB
 ELECTRIC: I94-I734
 CABLE TV: I94-I734
 TELEPHONE: IB-7096
 IMPROVEMENTS:
 WATER FIELD BOOK: I-23
 SEWER FIELD BOOK: I-23
 100' SCALE: I94-I734
 THOMAS BROS.: I289-H5

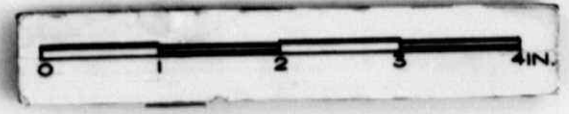
CAUTION
 I.5" HPG MIGHT BE TOO
 CLOSE TO SEWER MAIN
 SDG&E CO. TO RELOCATE
 BEFORE TRENCHING.



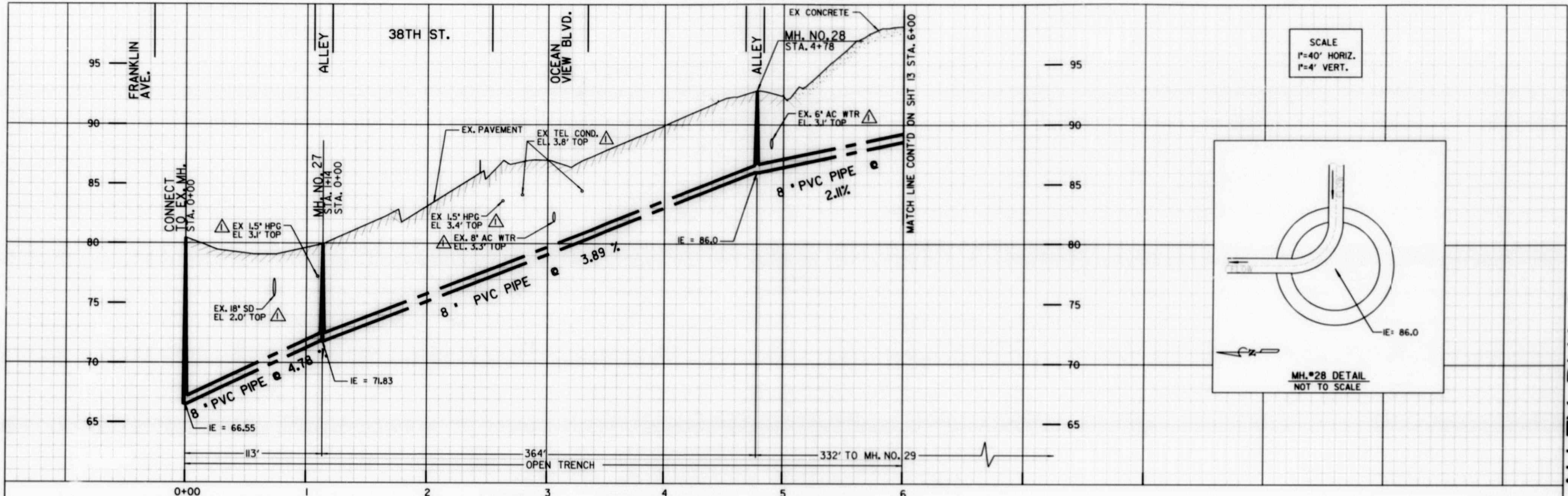
SEWER GROUP 633	
38TH STREET & 40TH STREET & ALLEY	
STA 0+00 TO STA 1+54 & STA 0+00 TO STA 3+65	
CITY OF SAN DIEGO, CALIFORNIA	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT	
SHEET 9 OF 20 SHEETS	
DATE	WATER B.O.
01-18-01	173921
DESCRIPTION	PROJECT ENGINEER
ORIGINAL	DATE
2/1/00	JUNE 18 '02
CONTROL CERTIFICATION	
AS-BUILT PER CITY INSPECTOR	NR/NO
AS-BUILT FOR CITY RECORDS	DYM
DATE STARTED	DATE COMPLETED
4/12/05	02-04-04
INSPECTOR	DATE COMPLETED
DEAN HANSEN	02-04-04
28406-09-D	

AS-BUILT

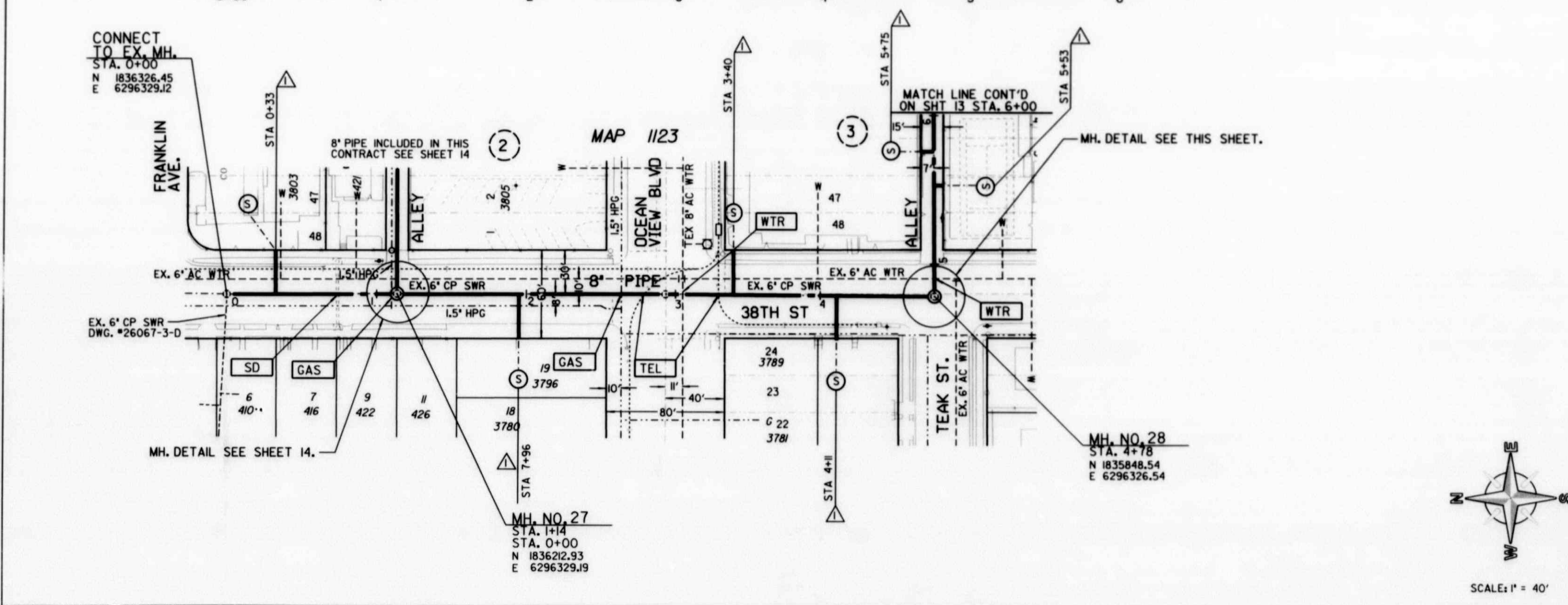
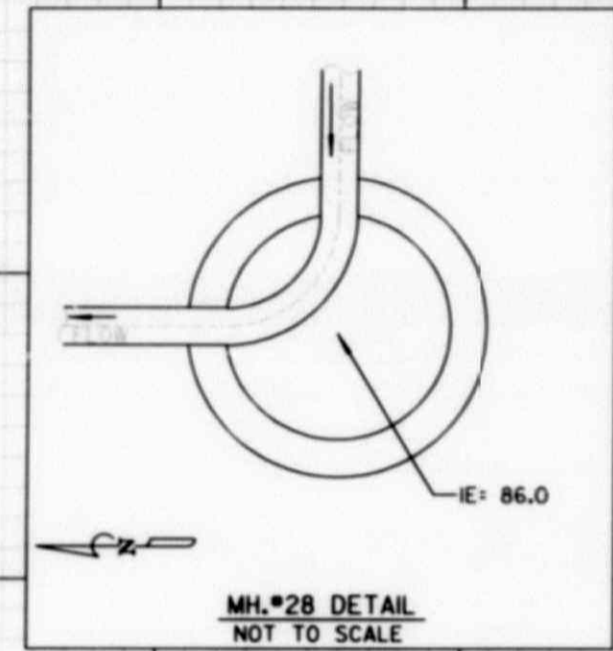
FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



38TH STREET & 40TH STREET & ALLEY



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



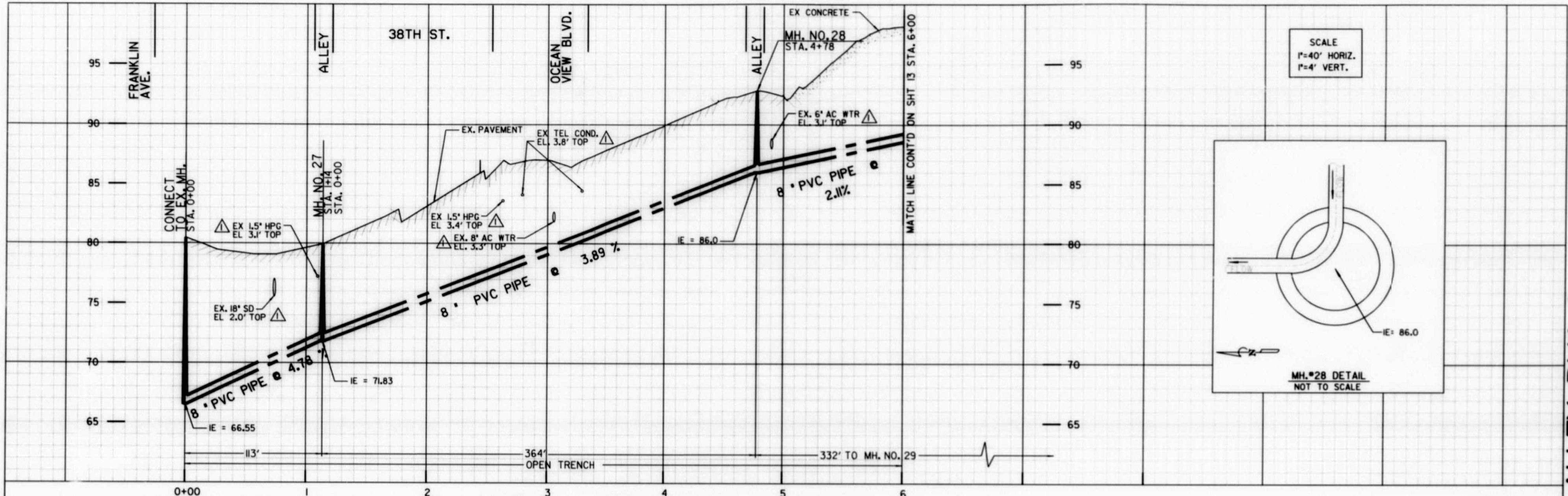
REFERENCE:
BENCH MARK: NEBP 40TH ST & T ST. ELEV. 56.683 MSL.
FIELD NOTES: LOGAL, 4-22-97, W.O. 173921
WATER: 13883-D
SEWER: 327-D
STORM DRAIN: 194-1734
GAS: 10-401A, 10-401B
ELECTRIC: 194-734
CABLE TV: 194-1734
TELEPHONE: 18-7096
IMPROVEMENTS:
WATER FIELD BOOK: 123 S
SEWER FIELD BOOK: 123 S
100' SCALE: 194-1734
THOMAS BROS.: 1289-H5

SEWER GROUP JOB 633			
38TH STREET & ALLEY BLK 3			
STA. 0+00 TO STA. 6+00			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 12 OF 20 SHEETS		WATER S.E.O. 173921	
 CITY ENGINEER		 ASSOCIATE ENGINEER	
 PROJECT ENGINEER		 CONTROL CERTIFICATION	
DESCRIPTION	APPROVED	DATE	FILED
ORIGINAL			JUNE 18 '02
AS-BUILT PER CITY INSPECTOR	NR/NO	6/12/05	194-1734
CONTRACTOR	DATE STARTED	DATE COMPLETED	28406-12-D

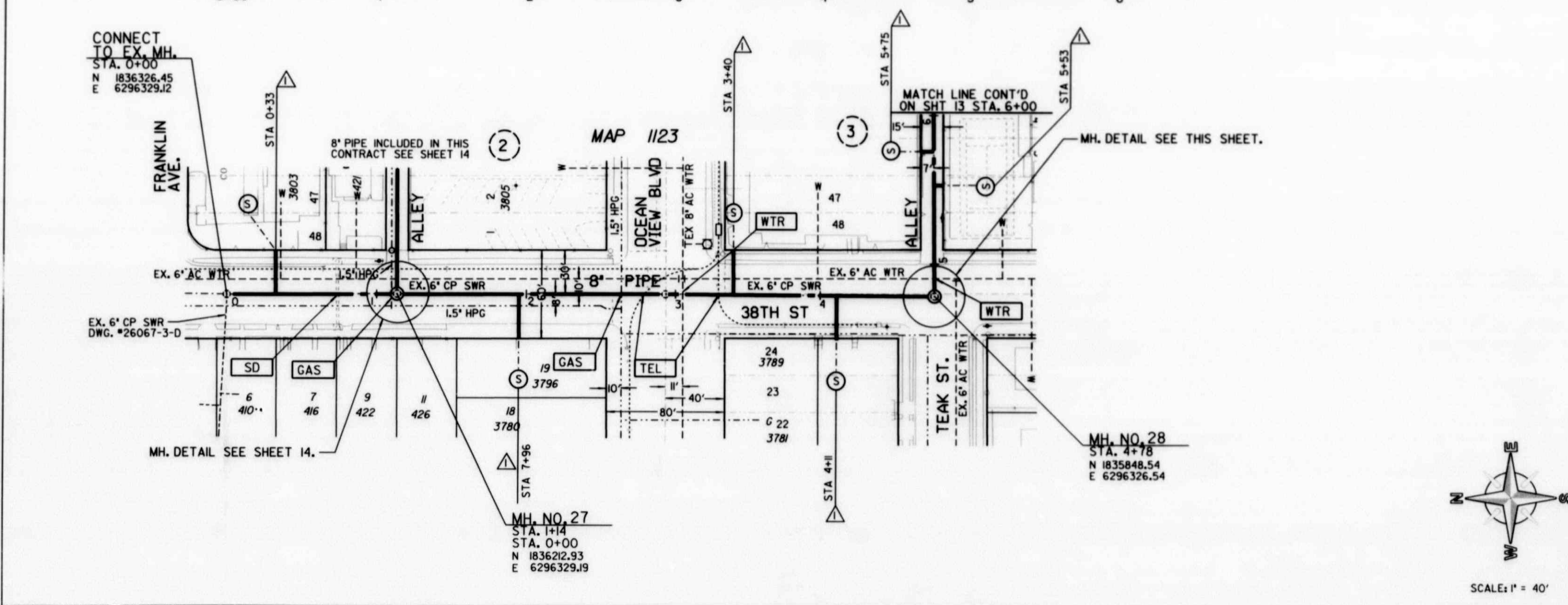
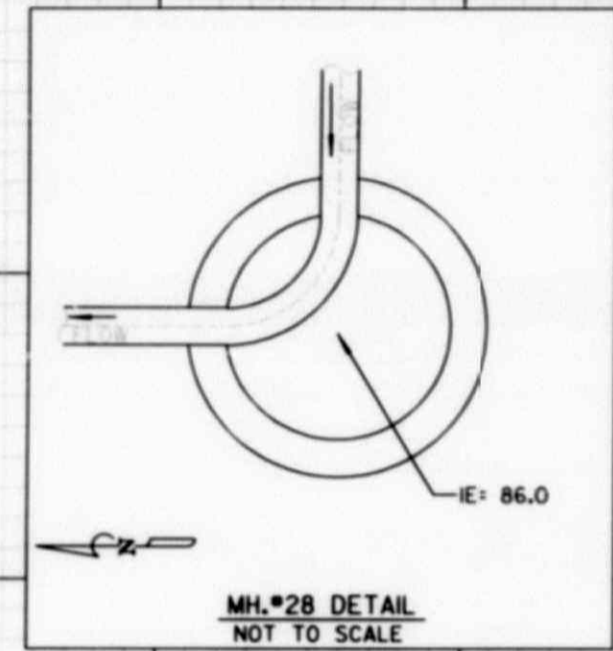


"38TH" STREET & ALLEY BLK 3

FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.

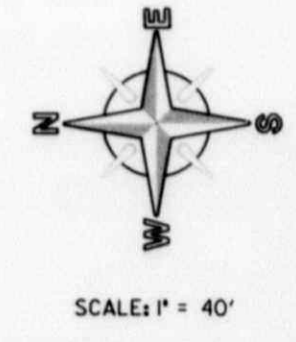


SCALE
1"=40' HORIZ.
1"=4' VERT.

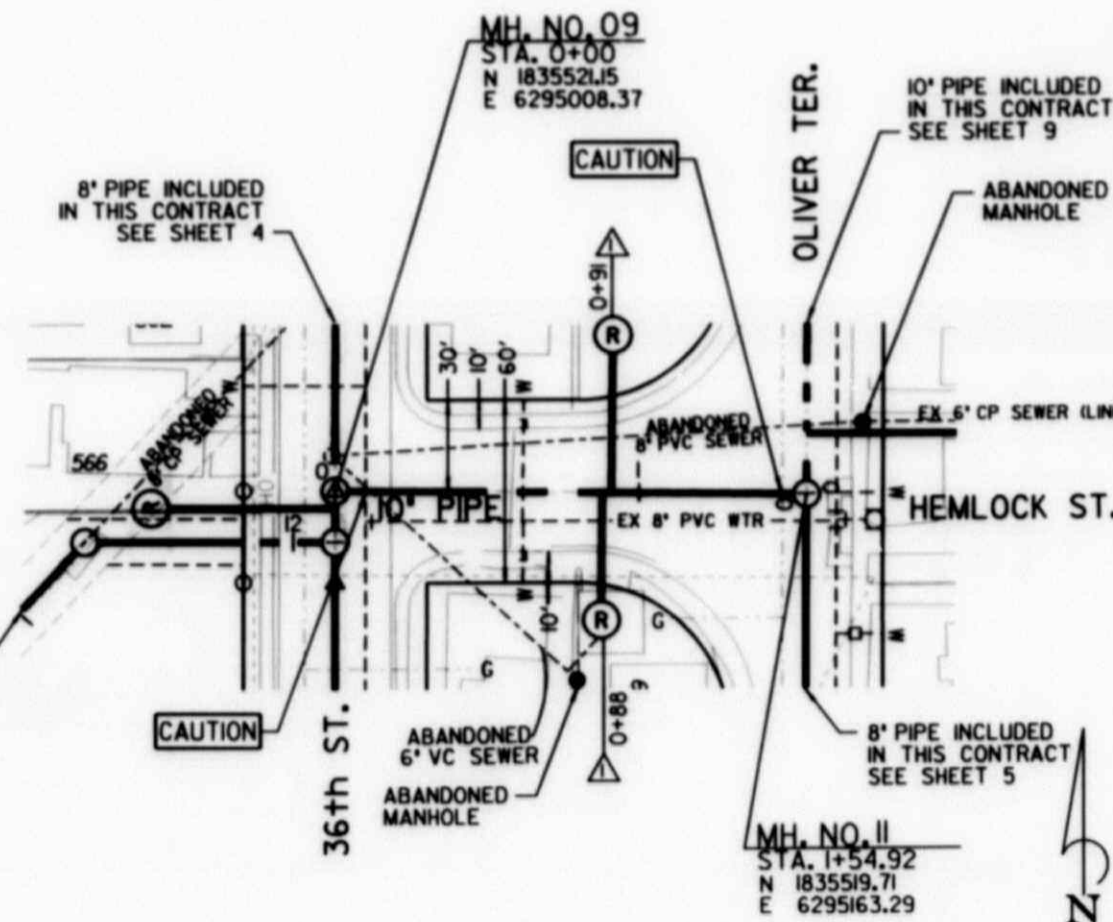
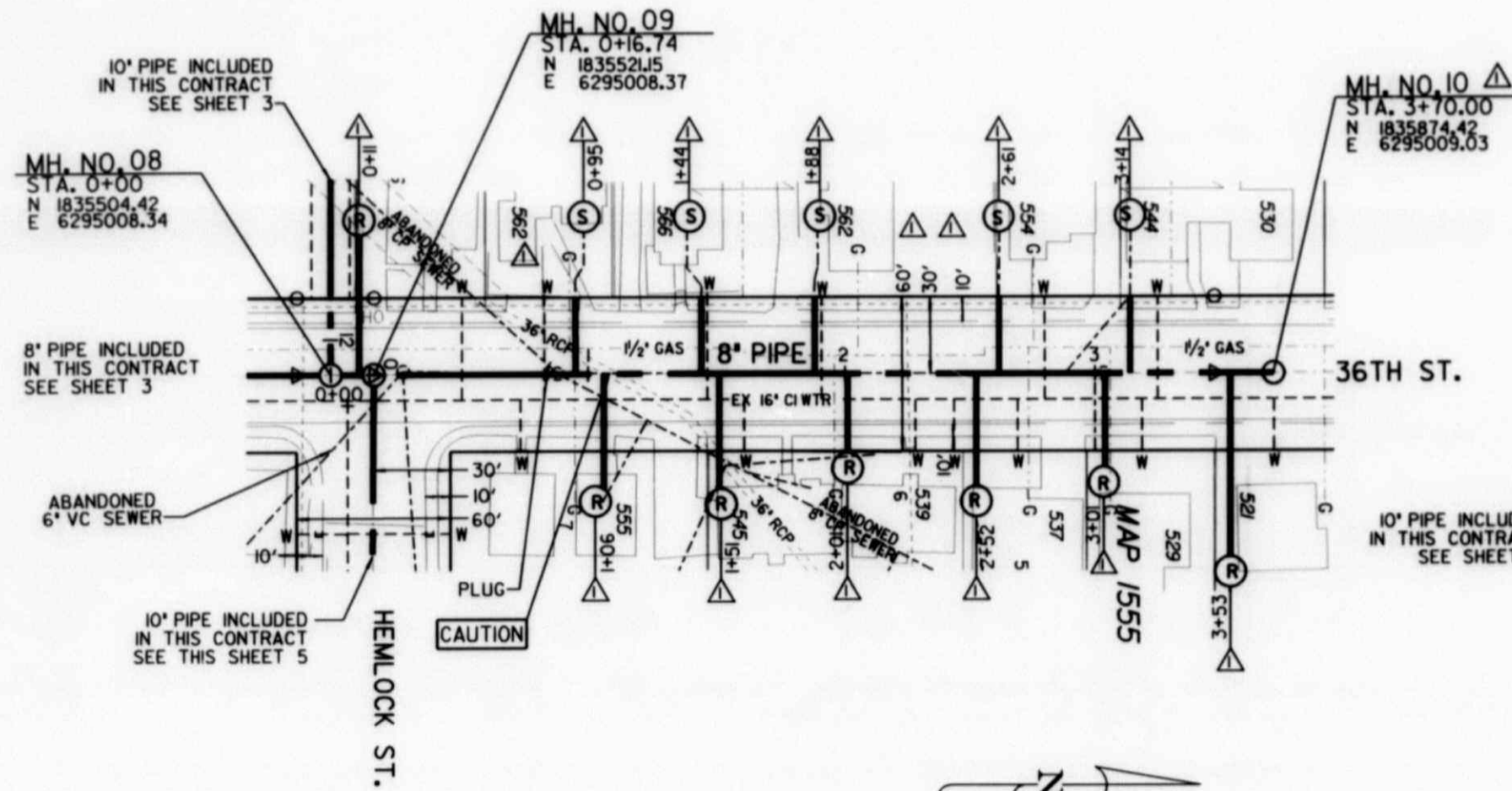
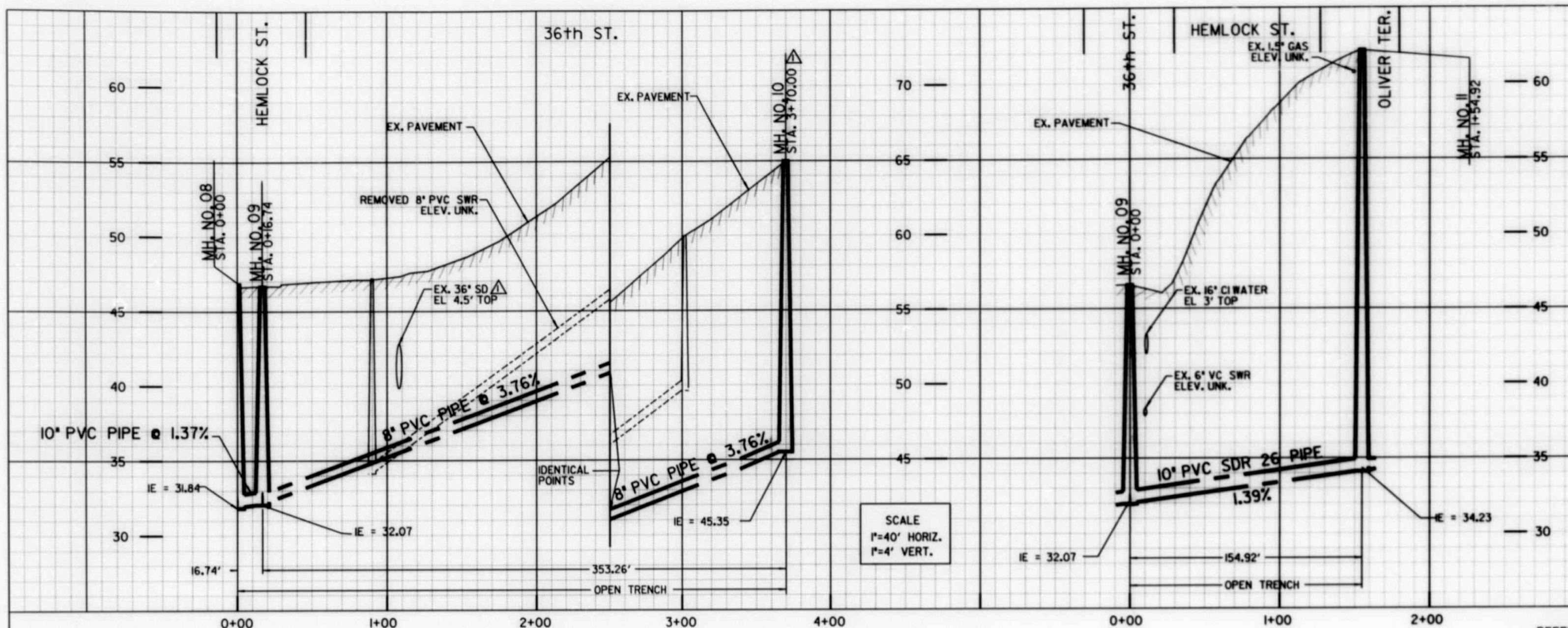


REFERENCE:
BENCH MARK: NEBP 40TH ST & T ST. ELEV. 56.683 MSL.
FIELD NOTES: LOGAL, 4-22-97, W.O. 173921
WATER: 13883-D
SEWER: 327-D
STORM DRAIN: 194-1734
GAS: 10-401A, 10-401B
ELECTRIC: 194-734
CABLE TV: 194-1734
TELEPHONE: 18-7096
IMPROVEMENTS:
WATER FIELD BOOK: 123 S
SEWER FIELD BOOK: 123 S
100' SCALE: 194-1734
THOMAS BROS.: 1289-H5

SEWER GROUP JOB 633			
38TH STREET & ALLEY BLK 3			
STA. 0+00 TO STA. 6+00			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 12 OF 20 SHEETS		WATER S.E.O. 173921	
 CITY ENGINEER		 ASSOCIATE ENGINEER	
 PROJECT ENGINEER		 INSPECTOR	
DESCRIPTION	APPROVED	DATE	FILED
ORIGINAL	SC	JUNE 18 '02	
AS-BUILT PER CITY INSPECTOR	NR/NO	6/12/05	194-1734
CONTRACTOR	DATE STARTED	DATE COMPLETED	28406-12-D



"38TH" STREET & ALLEY BLK 3



REFERENCE:
 BENCH MARK:
 Vertical Datum "NGVD29"
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.431(msl) on church steps
 SEBP Imperial & 39th Street Elev.=124.471(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlock & Imperial Elev.=103.98(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.38(msl)

BASIS OF BEARINGS/COORDINATES:
 *EPOCH 91.35° N 89° 47' 36" W Hor. Dist.=646.09'
 GPS POINT 11 TO GPS POINT 6 (HV-6)

FIELD NOTES: LOCAL 4-23-97, WO 173881, INDEX 194-1734
 Subdivision Maps 138, 252, 363, 358, 531, 541, 555, 2584, 3359
 Parcel Maps 305, 3935
 Record of Surveys 4520, 2963, 5246
 City Tie Point Sheets 336, 338, 339, 340, 353, 354
 Corner Records 1432, 459, 979, 3874, 5449, 8377

WATER:
 SEWER: 16511-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 16511-D,
 STORM DRAIN:
 GAS: 5/301.3, 4/311.2, 5/171.3, 26A, 27, 27A, 10-388, 91, 93D, 93E, F, H
 ELECTRIC: 196-1732.5, 194-1731.4

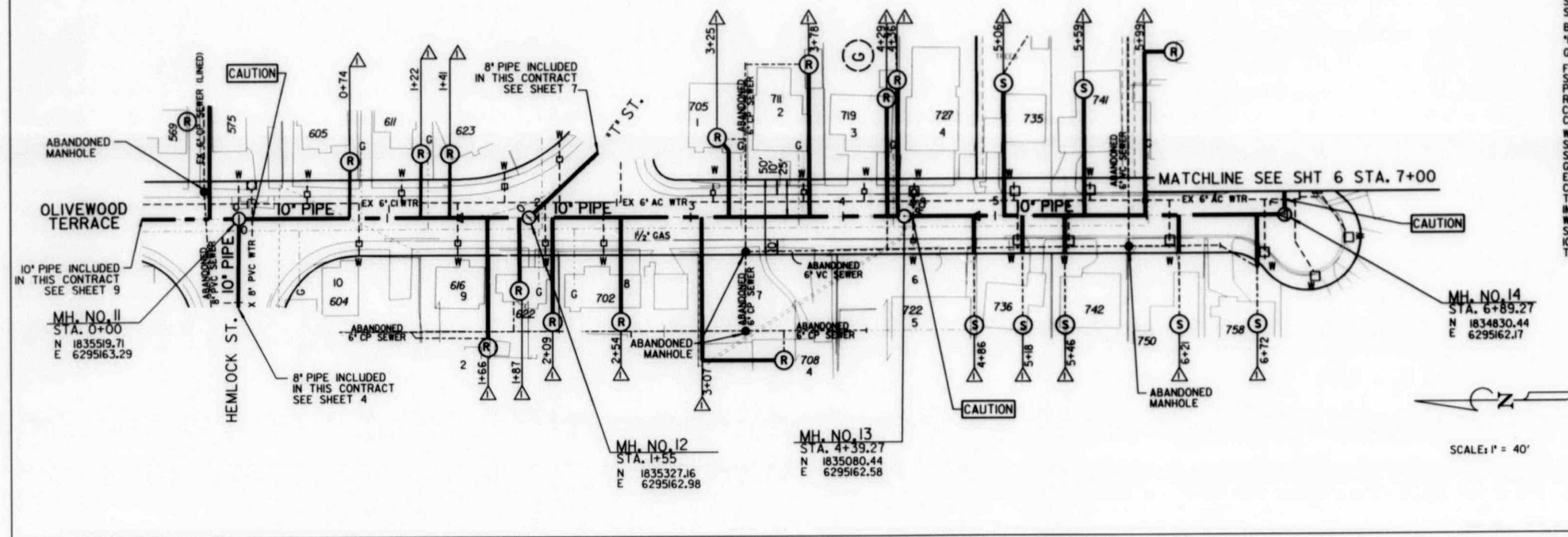
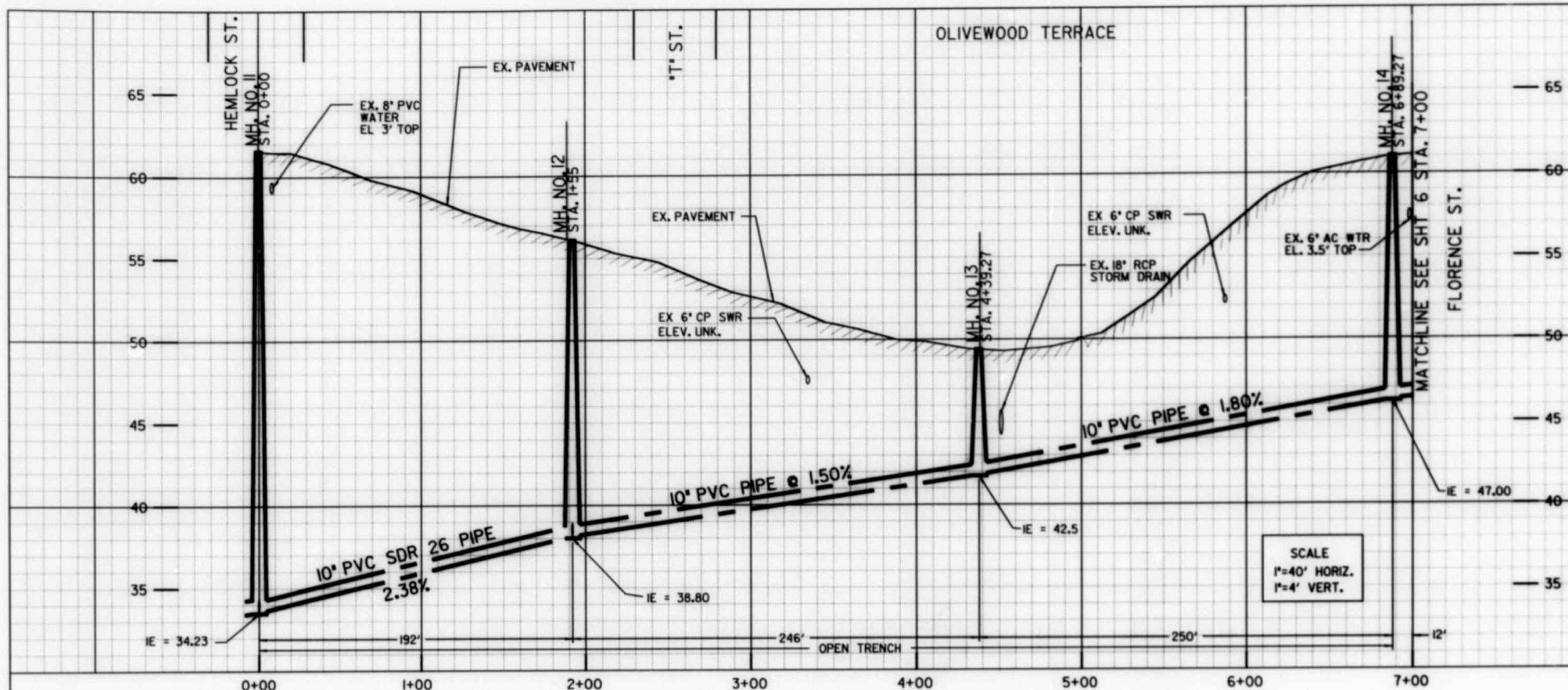
CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 16511-15-D, 368-D, 5169-L, 15179-3-D, 26067-12, 3, 2-D, 16511-2-19-D
 WATER FIELD BOOK: 1235
 SEWER FIELD BOOK: 1235
 100' SCALE: 196-1734, 196-1734, 194-1731, 194-1734
 THOMAS BROS.

SEWER GROUP JOB 632			
36TH ST. & HEMLOCK ST.			
STA 0+00 TO STA 4+14.09 & STA 0+00 TO STA 1+54.92			
CITY OF SAN DIEGO, CALIFORNIA		WATER R.S. 00000	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		SEWER W.D. 173881	
SHEET 4 OF 36 SHEETS			
<i>[Signature]</i> CITY ENGINEER		<i>[Signature]</i> ASSOCIATE ENGINEER	
DATE: 01-18-01		DATE: 01-18-01	
APPROVED: NR/BB		FILMED: JAN 18 '02	
DESCRIPTION: ORIGINAL		PROJECT ENGINEER: <i>[Signature]</i>	
CONTROL CERTIFICATION			
AS-BUILT FOR CITY PROJECT: NR/MD		DATE: 5-1-06	
AS-BUILT FOR CITY PURPOSES		DATE: 10-17-06	
CONTRACTOR ORIGIN CONSTRUCTION: DATE STARTED: 05-02-02		LAMBERT COORDINATES	
INSPECTOR: DEAN MARSDEN		DATE COMPLETED: 02-04-04	
28414-04-D			

AS-BUILT

FILED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.





REFERENCE:

BENCH MARK:
 Vertical Datum "NGVD29"
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.43(msl) on church steps
 SEBP Imperial & 39th Street Elev.=124.47(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlook & Imperial Elev.=103.98(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.38(msl)

BASIS OF BEARINGS/COORDINATES:
 *EPOCH 9L35° N 89° 47'36" W Hor. Dist.=646.09'
 GPS POINT # TO GPS POINT 6 (HV-6)

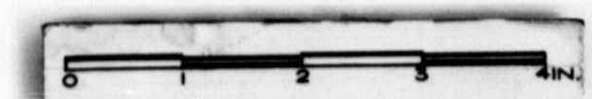
FIELD NOTES: LOCAL 4-23-97, WO 17388I, INDEX 194-1734
 Subdivision Maps 138,252,363,358,53,325,54,555,2584,3359
 Parcel Maps 305,3935
 Record of Surveys 4520,2963,5246
 City Tie Point Sheets 336,338,339,340,353,354
 Corner Records 1432,1459,979,3874,5449,8377

WATER:
 SEWER: 165H-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 165H-D,
 STORM DRAIN:
 GAS: 5/30L3, 4,31L2,5,17,326A,27,27A,10-388,9I,93D,93E,F,H
 ELECTRIC: 196-1732,5,94-173L,4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 165H-15-D,368-D,5169-L,15179-3-D,26067-12,3,2-D,165H-2-19-D
 WATER FIELD BOOK: I235
 SEWER FIELD BOOK: I235
 100' SCALE: 196-1734,96-1734,94-173,94-1734
 THOMAS BROS.

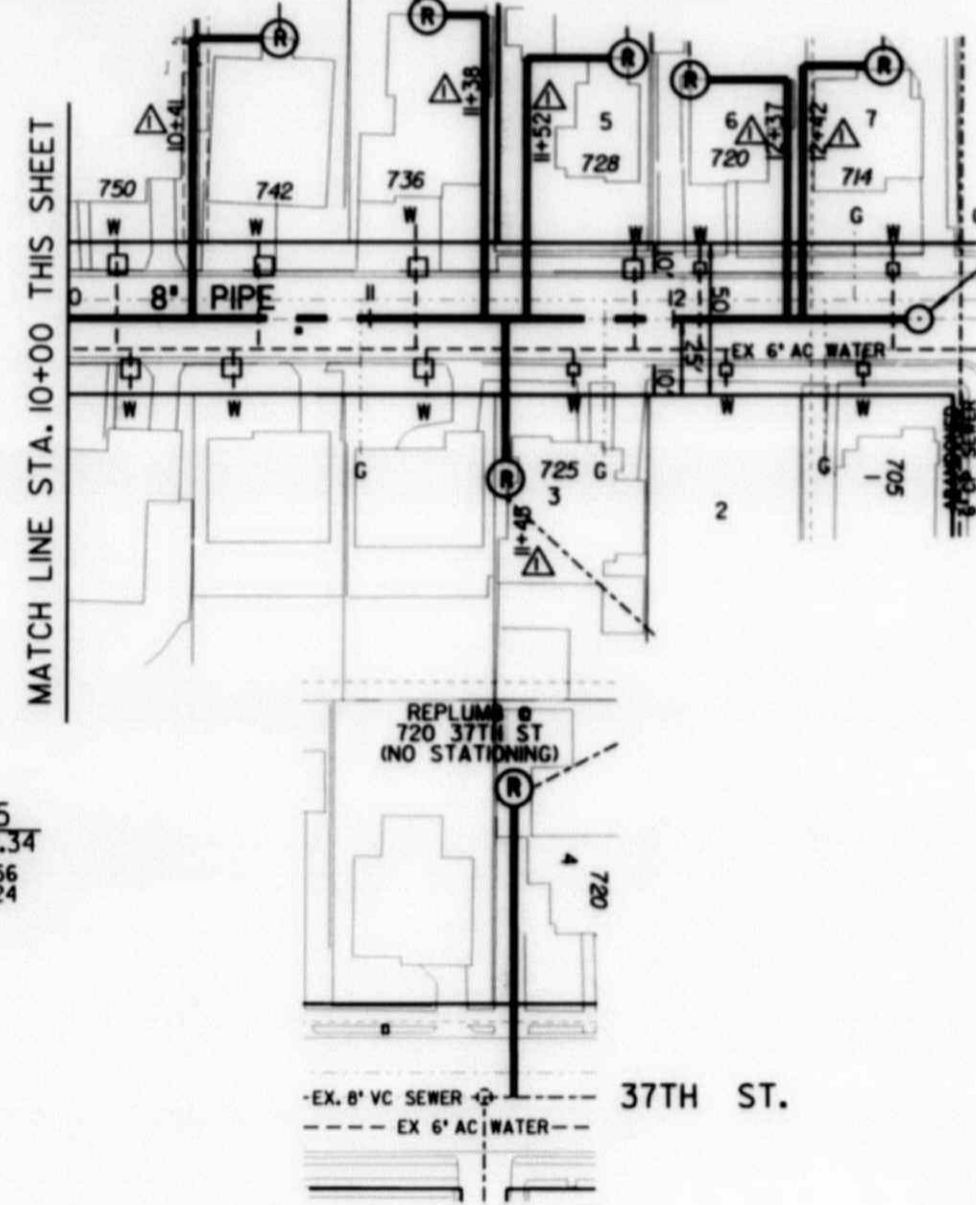
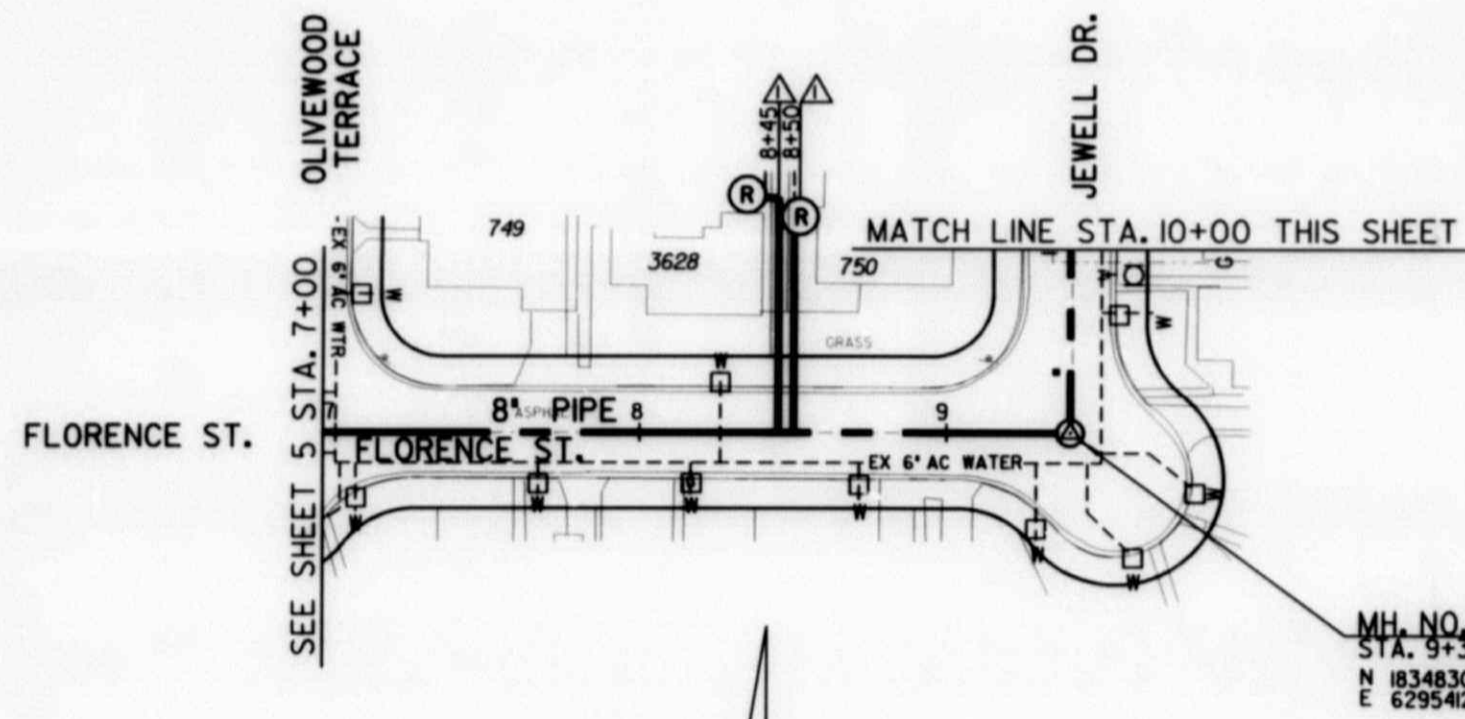
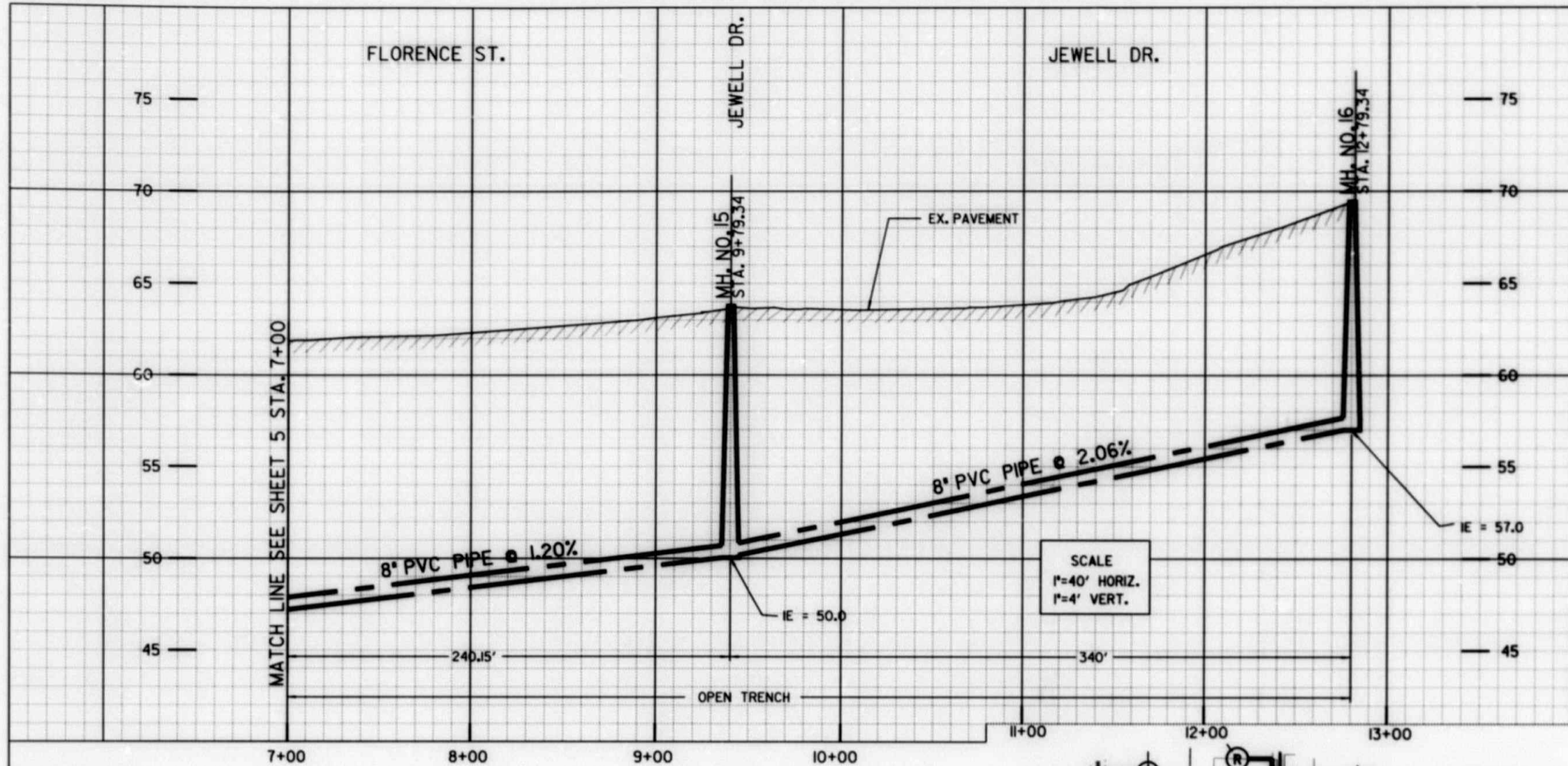
SEWER GROUP JOB 632			
OLIVEWOOD TERRACE			
STA. 0+00 TO STA. 7+00			
CITY OF SAN DIEGO, CALIFORNIA		WATER R.O.	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		SEWER R.O.	
SHEET 5 OF 36 SHEETS		17388I	
DATE: 01-18-01		DATE: 10-18-00	
DESCRIPTION: ORIGINAL		PROJECT ENGINEER	
APPROVED: [Signature]		DATE: JUN 11 '02	
CONTROL CERTIFICATION		DATE: 10-18-00	
CONTRACTOR: [Signature]		DATE COMPLETED: 02-08-01	
INSPECTOR: [Signature]		28414-05-D	

AS-BUILT

FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



OLIVEWOOD TERRACE



REFERENCE:
BENCH MARK:
 Vertical Datum 'NGVD29'
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.43(msl) on church steps
 SEBP Imperial & 39th Street Elev.=124.47(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlook & Imperial Elev.=103.98(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.38(msl)

BASIS OF BEARINGS/COORDINATES:
 'EPOCH 9L35' N 89° 47'36" W Hor. Dist.=646.09'
 GPS POINT # TO GPS POINT 6 (HV-6)

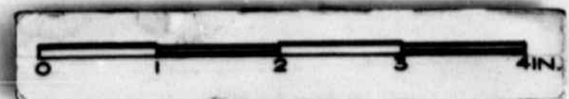
FIELD NOTES: LOCAL 4-23-97, WO 17388, INDEX 194-1734
 Subdivision Maps 138, 252, 363, 358, 153, 325, 154, 555, 2584, 3359
 Parcel Maps 305, 3935
 Record of Surveys 4520, 2963, 15246
 City Tie Point Sheets 336, 338, 339, 340, 353, 354
 Corner Records 1432, 1459, 1979, 3874, 5449, 8377

WATER:
 SEWER: 165H-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 165H-D,
 STORM DRAIN:
 GAS: S/30L3, 4, 31, 12, 15, 17, 326A, 27, 27A, 10-388, 9L, 93D, 93E, F, H
 ELECTRIC: 196-1732.5, 194-1731, 4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 165H-15, 368-D, 5169-L, 15179-3-D, 26067-12, 3, 2-D, 165H-2-19-D
 WATER FIELD BOOK: 1235
 SEWER FIELD BOOK: 1235
 100' SCALE: 196-1734, 196-1734, 194-1731, 194-1734
 THOMAS BROS.

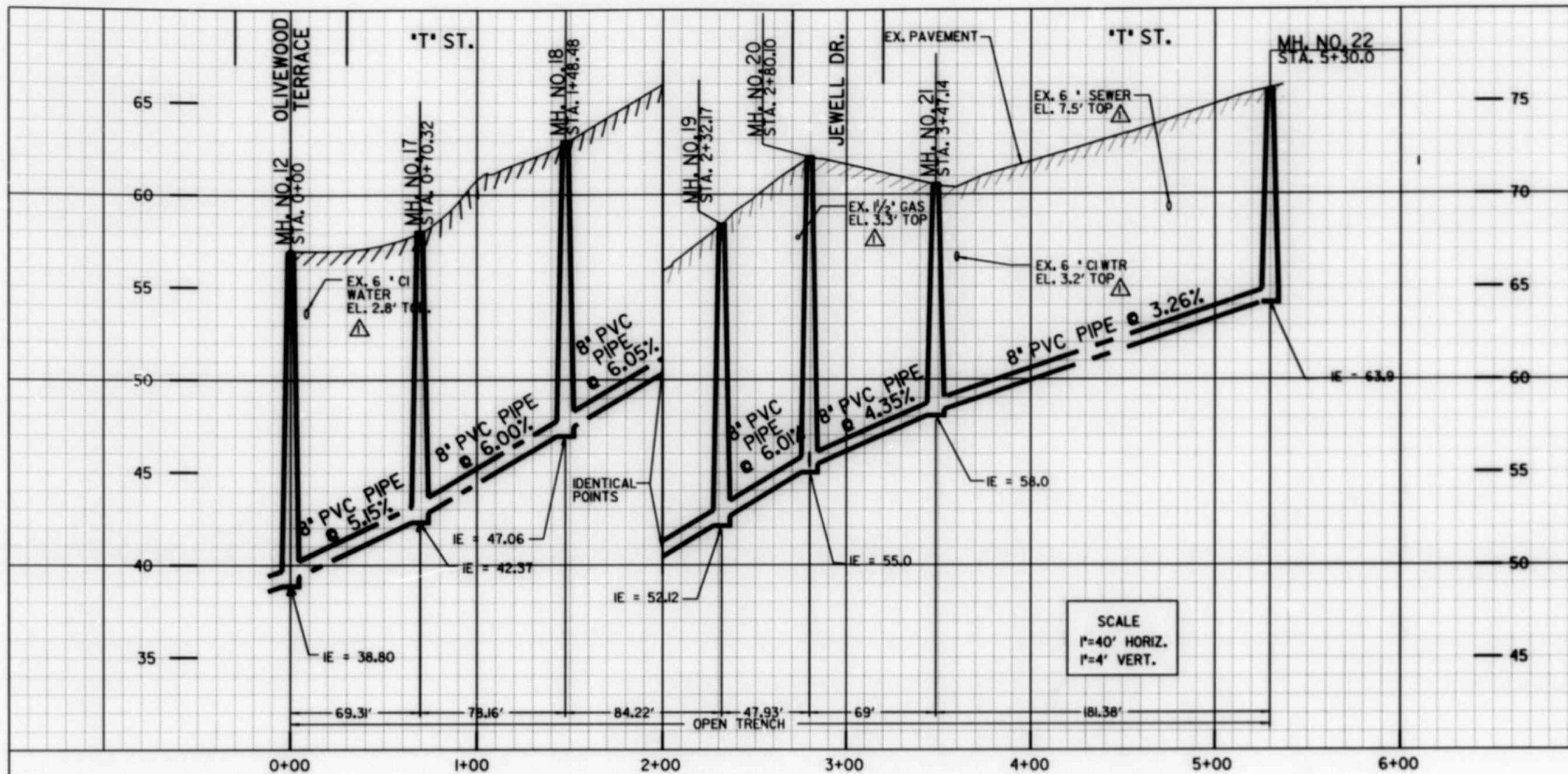
SEWER GROUP JOB 632			
FLORENCE ST. & JEWELL DR.			
STA. 7+00 TO STA. 12+80.15			
CITY OF SAN DIEGO, CALIFORNIA		WATER	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		SEWER	
SHEET 6 OF 36 SHEETS		17388I	
DATE: 01-18-01		DATE: 01-18-01	
PROJECT ENGINEER: [Signature]		ASSOCIATE ENGINEER: [Signature]	
DESCRIPTION	APPROVED	DATE	FILED
ORIGINAL	NR/MB		JAN 18 02
CONTRACTOR: [Signature]			
CONTRACTOR UNDER CONSTRUCTION: [Signature]			
INSPECTOR: [Signature]			
DATE STARTED: 02-28-01		DATE COMPLETED: 02-28-01	
28414-06-D			

AS-BUILT

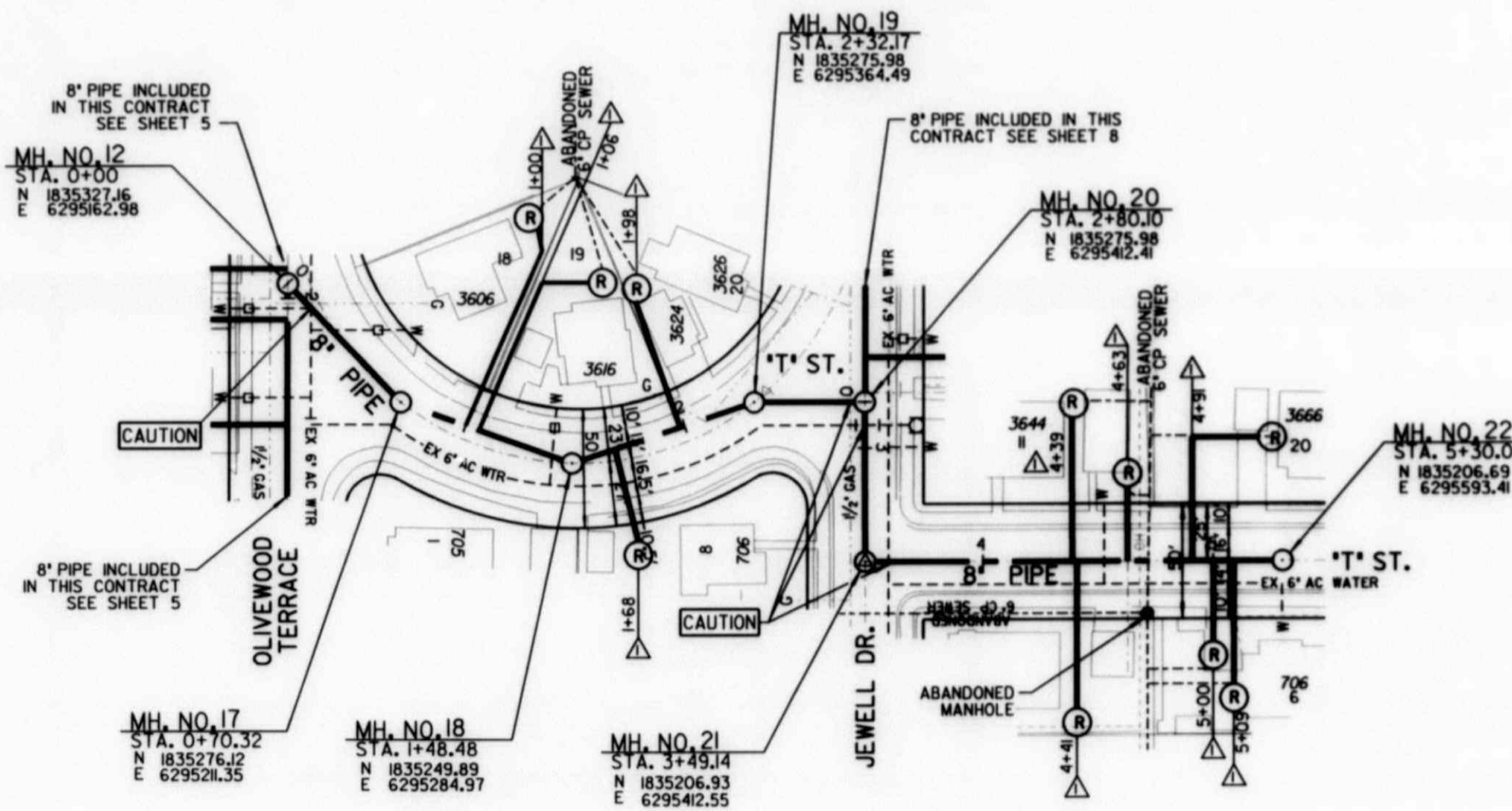
FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



FLORENCE ST. & JEWELL DR.



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



REFERENCE:

BENCH MARK:
 Vertical Datum "NGVD29"
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.431(msl) on church steps
 SEBP Imperial & 39th Street Elev.=124.471(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlook & Imperial Elev.=103.981(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.381(msl)

BASIS OF BEARINGS/COORDINATES:
 "EPOCH 9L35' N 89° 47' 36" W Hor. Dist.=646.09'
 GPS POINT #1 TO GPS POINT 6 (HV-6)

FIELD NOTES: LOGAL 4-23-97, WO 17388, INDEX 194-1734
 Subdivision Maps 336, 252, 363, 358, 531, 325, 541, 555, 2584, 3359
 Parcel Maps 305, 3935
 Record of Surveys 4520, 2963, 5246
 City Tie Point Sheets 336, 338, 339, 340, 353, 354
 Corner Records 1432, 459, 979, 3874, 5449, 8377

WATER:
 SEWER: 165H-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 165H-D,
 STORM DRAIN:
 GAS: 5/301, 3, 4, 31, 12, 15, 17, 326A, 27, 27A, 10-388, 9, 930, 93E, F, H
 ELECTRIC: 196-1732.5, 194-1731, 4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 165H-15-D, 368-D, 5169-L, 15179-3-D, 26067-12, 3, 2-D, 165H-2-19-D
 WATER FIELD BOOK: 1235
 SEWER FIELD BOOK: 1235
 100' SCALE: 196-1734, 196-1734, 194-1731, 194-1734
 THOMAS BROS.:

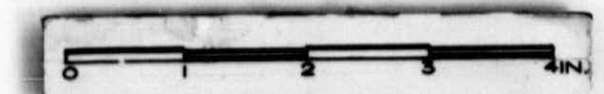


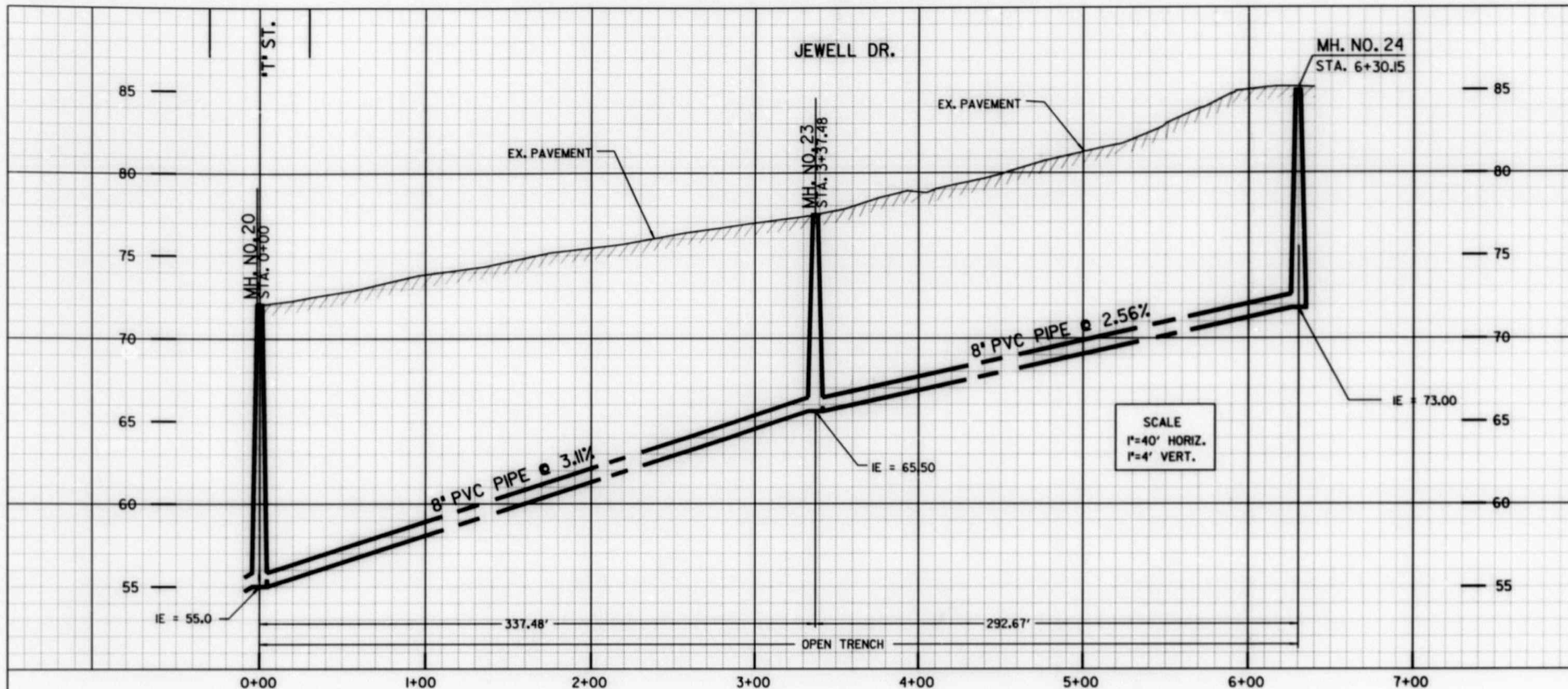
SCALE: 1" = 40'

SEWER GROUP JOB 632	
"T" ST.	
STA. 0+00 TO STA. 5+30	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 7 OF 36 SHEETS	
DATE 01-18-01	WATER R.O. SEWER R.O. 173881
DESCRIPTION ORIGINAL	APPROVED DATE FILMED 194-1734
CONTRACTOR DEAN MARSDEN	DATE STARTED DATE COMPLETED 28414-07-D

AS-BUILT

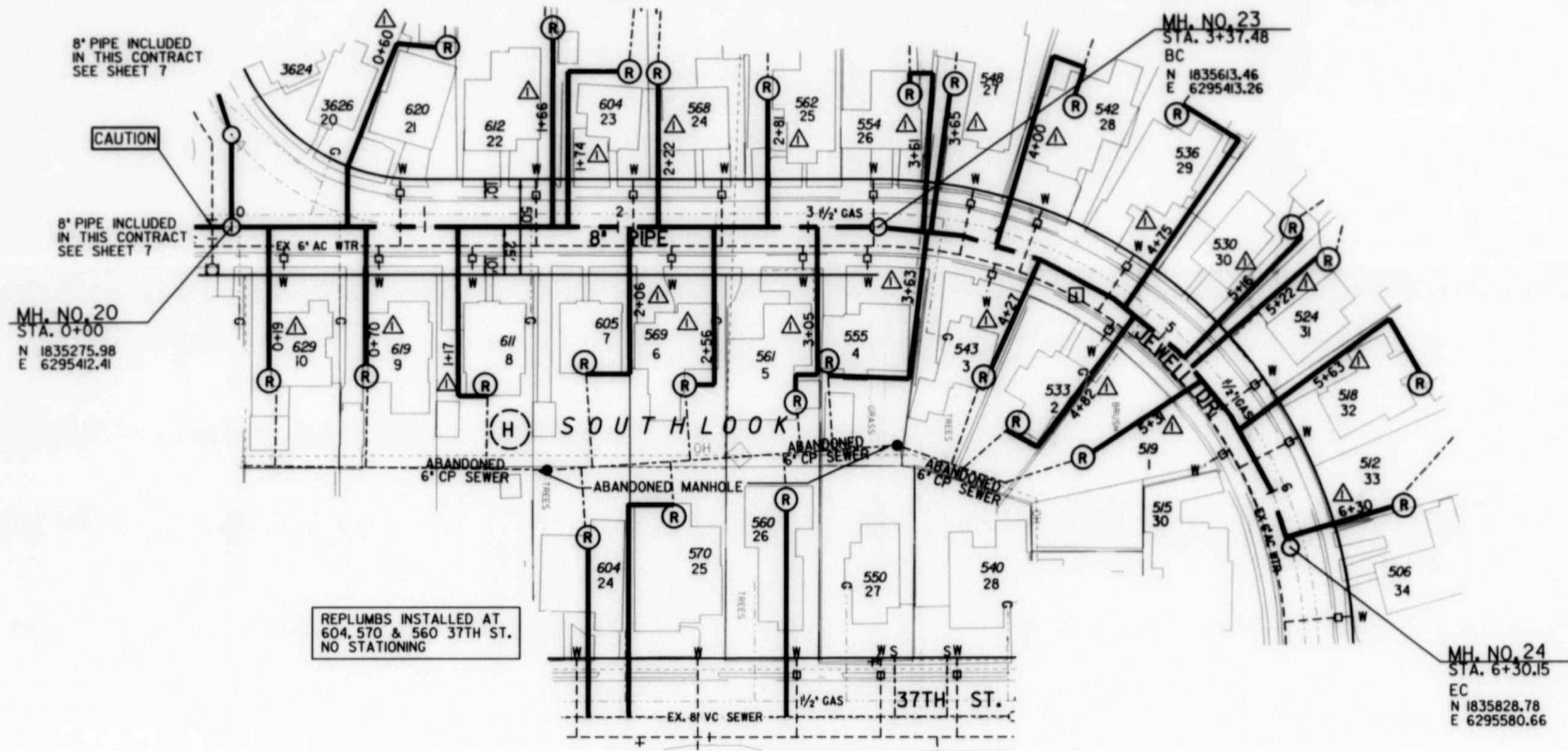
FILED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.





PROPOSED PIPE DATA TABLE				
NO.	Δ/BEARING	RADIUS	LENGTH	REMARKS
1	74° 03'17"	226.5'	292.67'	

REFERENCE:
BENCH MARK:
 Vertical Datum "NGVD29"
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.43(msl) on church steps
 SEBP Imperial & 39th Street Elev.=124.47(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlook & Imperial Elev.=103.98(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.38(msl)
BASIS OF BEARINGS/COORDINATES:
 *EPOCH 91.35° N 89° 47'36" W Hor.Dist=646.09'
 GPS POINT II TO GPS POINT 6 (HV-6)
FIELD NOTES: LOCAL 4-23-97, WO 173881, INDEX 194-1734
 Subdivision Maps 138,252,363,358,153,132,154,155,2584,3359
 Parcel Maps 305,3935
 Record of Surveys 4520,2963,15246
 City Tie Point Sheets 336,338,339,340,353,354
 Corner Records 1432,1459,1979,3874,5449,8377
WATER:
 SEWER: 165H-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 165H-D,
STORM DRAIN:
 GAS: 5/30, 3, 4, 3, 1, 2, 5, 1, 7, 3, 2, 6, 2, 7, 2, 7, 1, 0-388, 91, 930, 93E, F, H
 ELECTRIC: 196-1732.5, 194-1731, 4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 165H-15-D, 368-D, 5169-L, 15179-3-D, 26067-12, 3, 2-D, 165H-2-19-D
 WATER FIELD BOOK: 1235
 SEWER FIELD BOOK: 1235
 100' SCALE: 196-1734, 196-1734, 194-1731, 194-1734
 THOMAS BROS.:

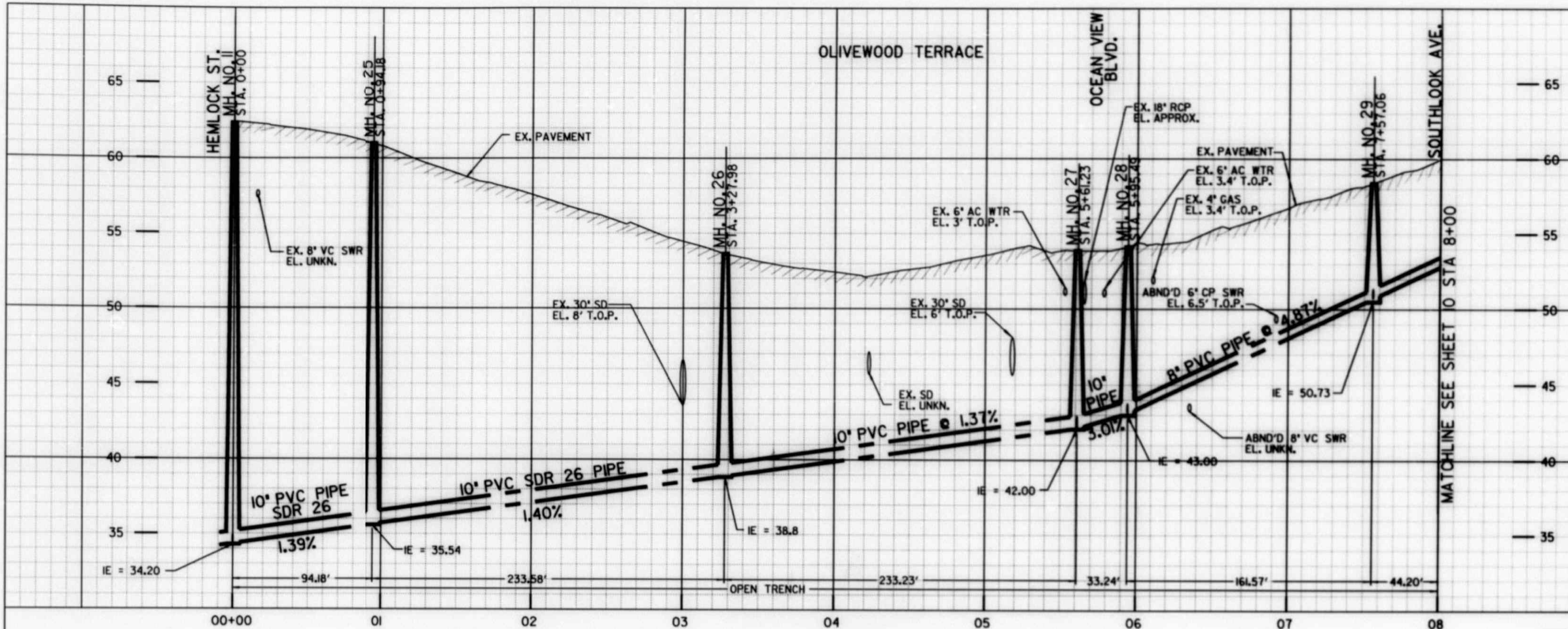


SEWER GROUP JOB 632			
JEWELL DR.			
STA 0+00 TO STA 6+30.15			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 8 OF 36 SHEETS		WATER R.A. SEWER W.D. 173881	
DATE: 01-18-01	DATE: JUN 18 '02	APPROVED: [Signature]	PROJECT ENGINEER: [Signature]
DESCRIPTION: ORIGINAL	NR/BB	DATE: 01-18-01	FILED: JUN 18 '02
CONTRACTOR: DEAN MARSHON	DATE STARTED: 01-22-02	DATE COMPLETED: 02-01-02	CONTROL CERTIFICATION: 194-1734
CONTRACTOR: DEAN MARSHON			28414-08-D

AS-BUILT

FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.





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

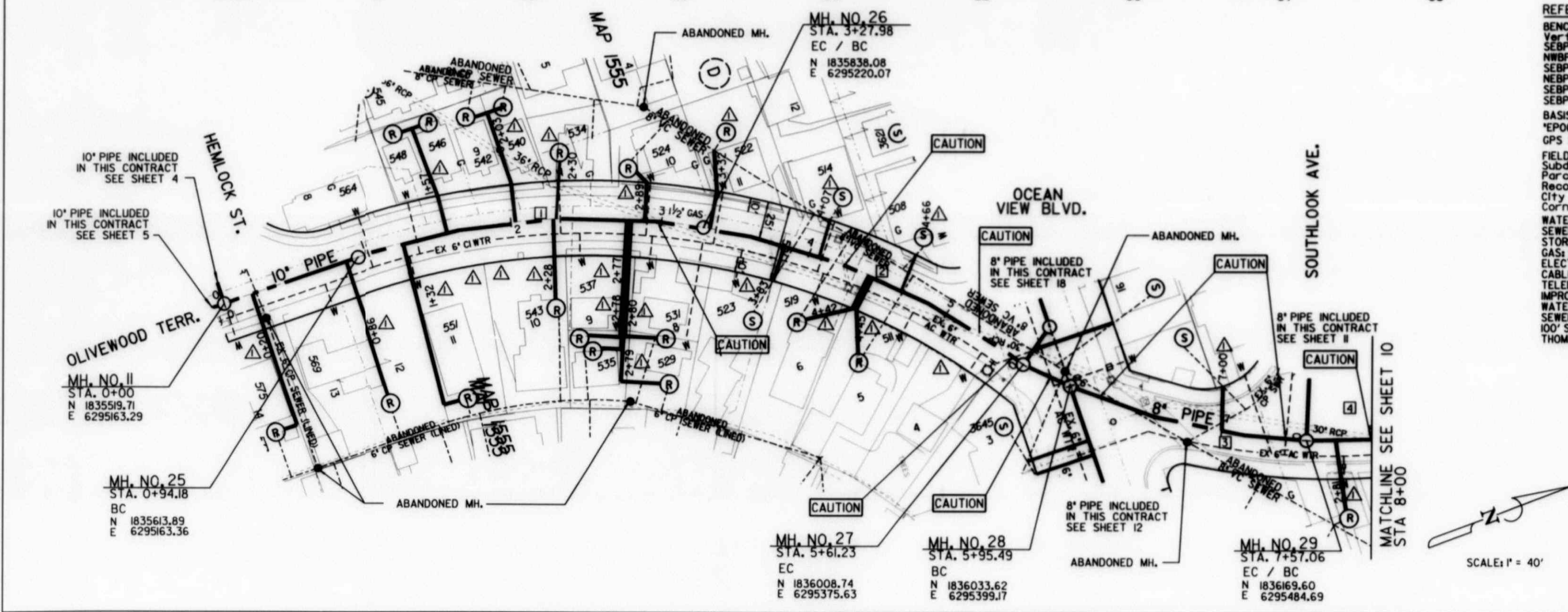
PROPOSED PIPE DATA TABLE				
NO.	Δ/BEARING	RADIUS	LENGTH	REMARKS
1	28° 10' 39"	475'	233.60'	
2	28° 8' 9"	475'	233.60'	
3	2° 3' 48"	430'	161.57'	
4	22° 7' 22"	430'	166.03'	

REFERENCE:
 BENCH MARK:
 Vertical Datum "NGVD29"
 SBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.43(msl) on church steps
 SBP Imperial & 39th Street Elev.=124.47(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SBP Southlook & Imperial Elev.=103.98(msl)
 SBP Franklin Avenue & 37th Street Elev.=60.38(msl)

BASIS OF BEARINGS/COORDINATES:
 *EPOCH 9L35° N 89° 47'36" W Hor. Dist.=646.09'
 GPS POINT #1 TO GPS POINT 6 (HV-6)

FIELD NOTES: LOGAL 4-23-97, WO 173881, INDEX 194-1734
 Subdivision Maps 138, 252, 363, 358, 153, 153, 153, 154, 155, 155, 258, 4, 3359
 Parcel Maps 305, 13935
 Record of Surveys 4520, 2963, 15246
 City Tie Point Sheets 336, 338, 339, 340, 353, 354
 Corner Records 1432, 1459, 1979, 3874, 5449, 8317

WATER:
 SEWER: 16511-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 16511-D,
 STORM DRAIN:
 GAS: 5/30L3, 4, 3, 12, 15, 17, 326A, 27, 27A, 10-388, 91, 930, 93E, F, H
 ELECTRIC: 196-1732.5, 194-1731, 4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 16511-15-D, 368-D, 5169-L, 15179-3-D, 26067-12, 3, 2-D, 16511-2-19-D
 WATER FIELD BOOK: 1235
 SEWER FIELD BOOK: 1235
 100' SCALE: 196-1734, 196-1734, 194-1731, 194-1734
 THOMAS BROS.



SEWER GROUP JOB 632
OLIVEWOOD TERRACE
 STA. 0+00 TO STA. 8+00

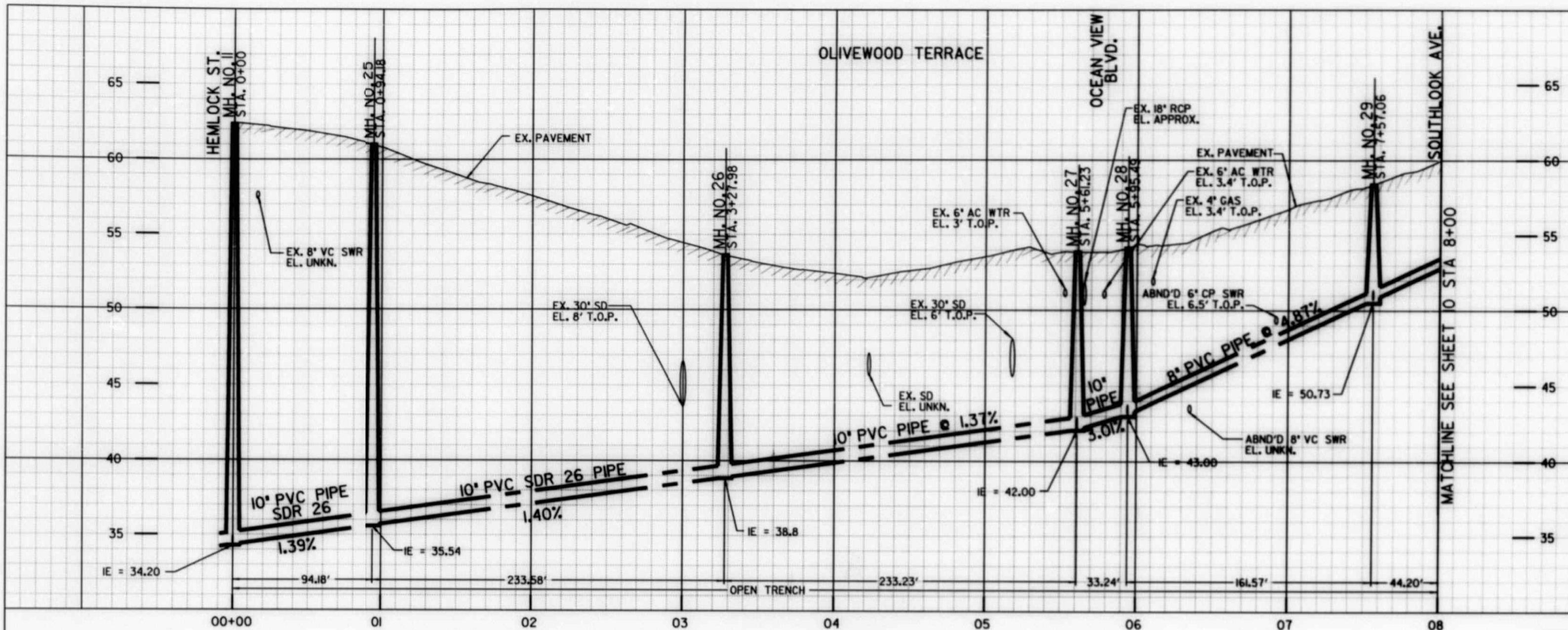
CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
 SHEET 9 OF 36 SHEETS

DATE	01-18-01	DATE	
APPROVED		FILED	
DESCRIPTION	ORIGINAL	DATE	JAN 18 '02

CONTROL CERTIFICATION:
 194-1734
 LAMBERT COORDINATES
 28414-09-D

FILED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.





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

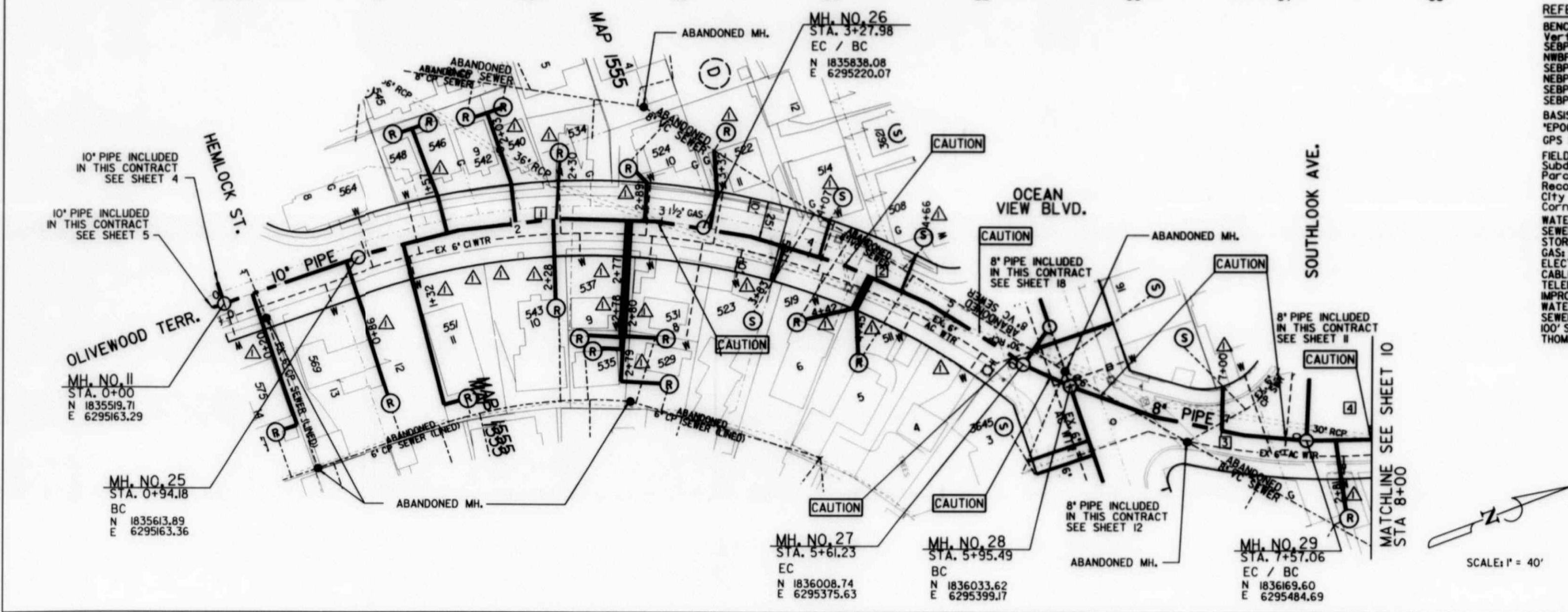
PROPOSED PIPE DATA TABLE				
NO.	Δ/BEARING	RADIUS	LENGTH	REMARKS
1	28° 10' 39"	475'	233.60'	
2	28° 8' 9"	475'	233.60'	
3	2° 3' 48"	430'	161.57'	
4	22° 7' 22"	430'	166.03'	

REFERENCE:
 BENCH MARK:
 Vertical Datum "NGVD29"
 SBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.43(msl) on church steps
 SBP Imperial & 39th Street Elev.=124.47(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SBP Southlook & Imperial Elev.=103.98(msl)
 SBP Franklin Avenue & 37th Street Elev.=60.38(msl)

BASIS OF BEARINGS/COORDINATES:
 *EPOCH 9L35° N 89° 47'36" W Hor. Dist.=646.09'
 GPS POINT #1 TO GPS POINT 6 (HV-6)

FIELD NOTES: LOGAL 4-23-97, WO 173881, INDEX 194-1734
 Subdivision Maps 138, 252, 363, 358, 153, 153, 153, 154, 155, 258, 4, 3359
 Parcel Maps 305, 13935
 Record of Surveys 4520, 2963, 15246
 City Tie Point Sheets 336, 338, 339, 340, 353, 354
 Corner Records 1432, 1459, 1979, 3874, 5449, 8317

WATER:
 SEWER: 16511-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 16511-D,
 STORM DRAIN:
 GAS: 5/30L3, 4, 3, 12, 15, 17, 326A, 27, 27A, 10-388, 91, 930, 93E, F, H
 ELECTRIC: 196-1732.5, 194-1731, 4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 16511-15-D, 368-D, 5169-L, 15179-3-D, 26067-12, 3, 2-D, 16511-2-19-D
 WATER FIELD BOOK: 1235
 SEWER FIELD BOOK: 1235
 100' SCALE: 196-1734, 196-1734, 194-1731, 194-1734
 THOMAS BROS.



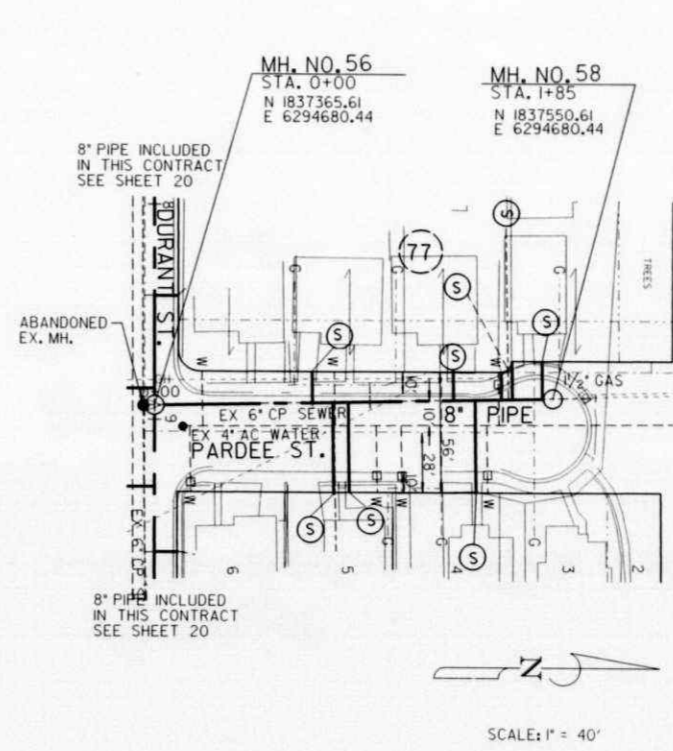
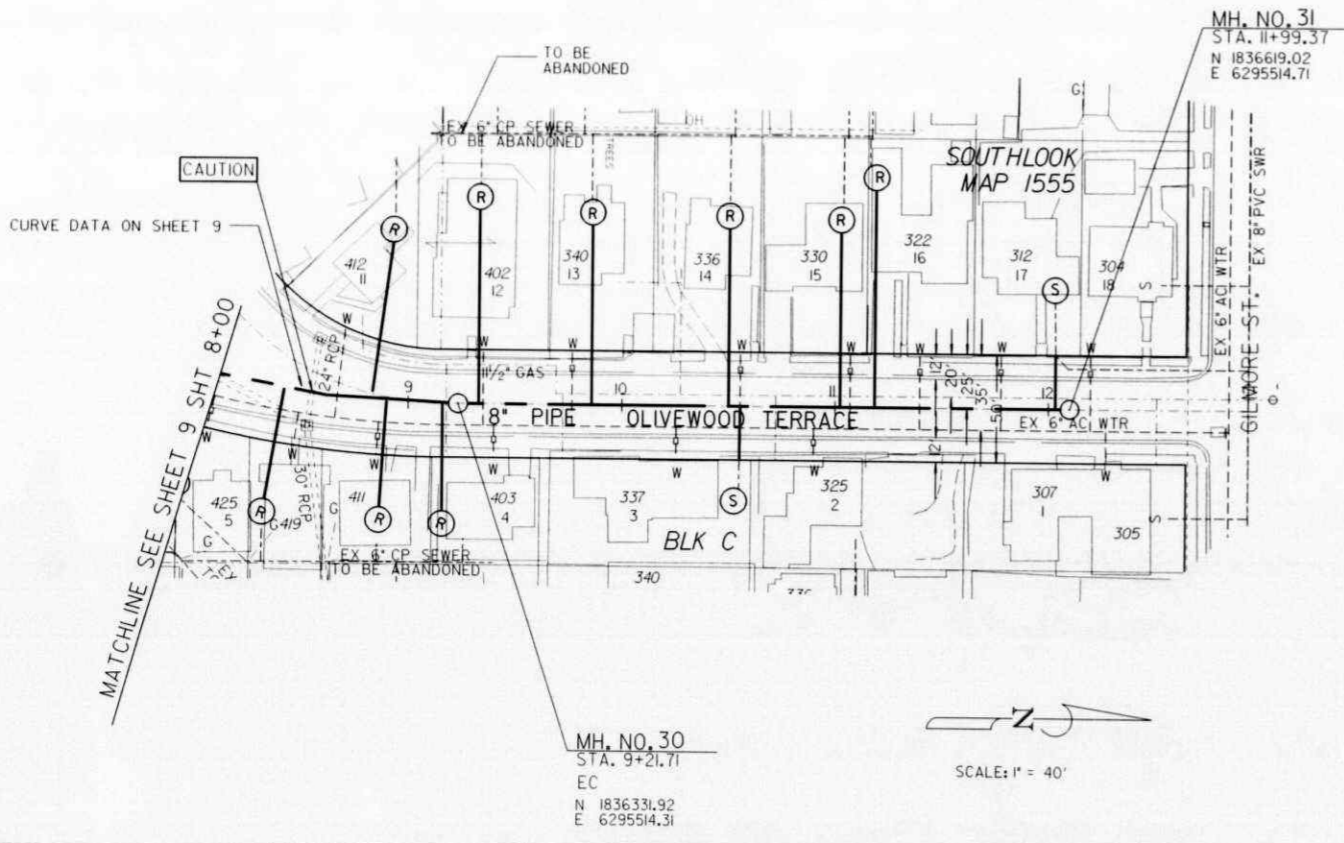
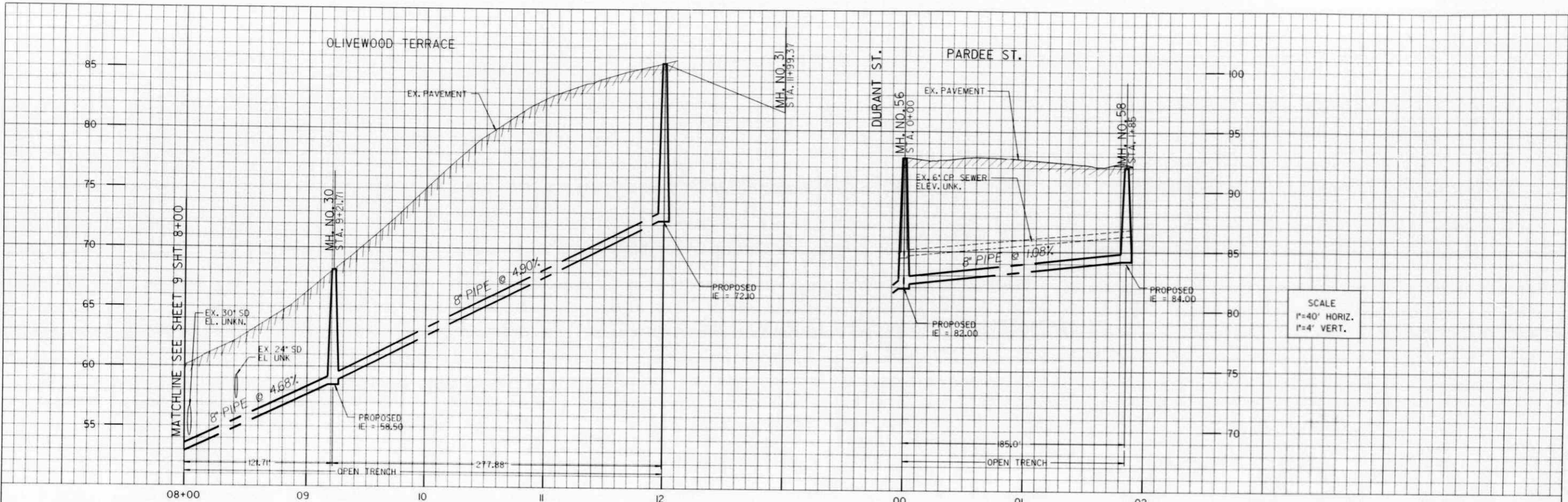
SCALE: 1" = 40'

SEWER GROUP JOB 632	
OLIVEWOOD TERRACE	
STA. 0+00 TO STA. 8+00	
CITY OF SAN DIEGO, CALIFORNIA	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT	
SHEET 9 OF 36 SHEETS	
DATE: 01-18-01	PROJECT ENGINEER: [Signature]
APPROVED: [Signature]	ASSOCIATE ENGINEER: [Signature]
DESCRIPTION: ORIGINAL	CONTROL CERTIFICATION: 194-1734
AS-BUILT FOR CITY INSPECTOR: [Signature]	DATE: 01-18-01
CONTRACTOR: [Signature]	DATE STARTED: 02-04-01
INSPECTOR: [Signature]	DATE COMPLETED: 02-04-01
28414-09-D	

AS-BUILT

FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.





REFERENCE:
 BENCH MARK:
 Vertical Datum "NGVD29"
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.431(msl) on church steps
 SEBP Imperial & 39th Street Elev.=124.471(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlook & Imperial Elev.=103.98(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.38(msl)

BASIS OF BEARINGS/COORDINATES:
 *EPOCH 9L35°N 89°47'36" W Hor. Dist=646.09'
 GPS POINT 11 TO GPS POINT 6 (HV-6)

FIELD NOTES: LOCAL 4-23-97, WO 17388L INDEX 194-1734
 Subdivision Maps 138;252;363;358;1153;1325;154;1555;2584;3359
 Parcel Maps 305;13935
 Record of Surveys 4520;12963;15246
 City Tie Point Sheets 336;338;339;340;353;354
 Corner Records 1432;1459;1919;3874;5449;8377

WATER:
 IMPROVEMENTS: 165II-D; 368-D; 5169-L; 15179-D; 7704-L; 165II-D;
 WATER FIELD BOOKS: 1235

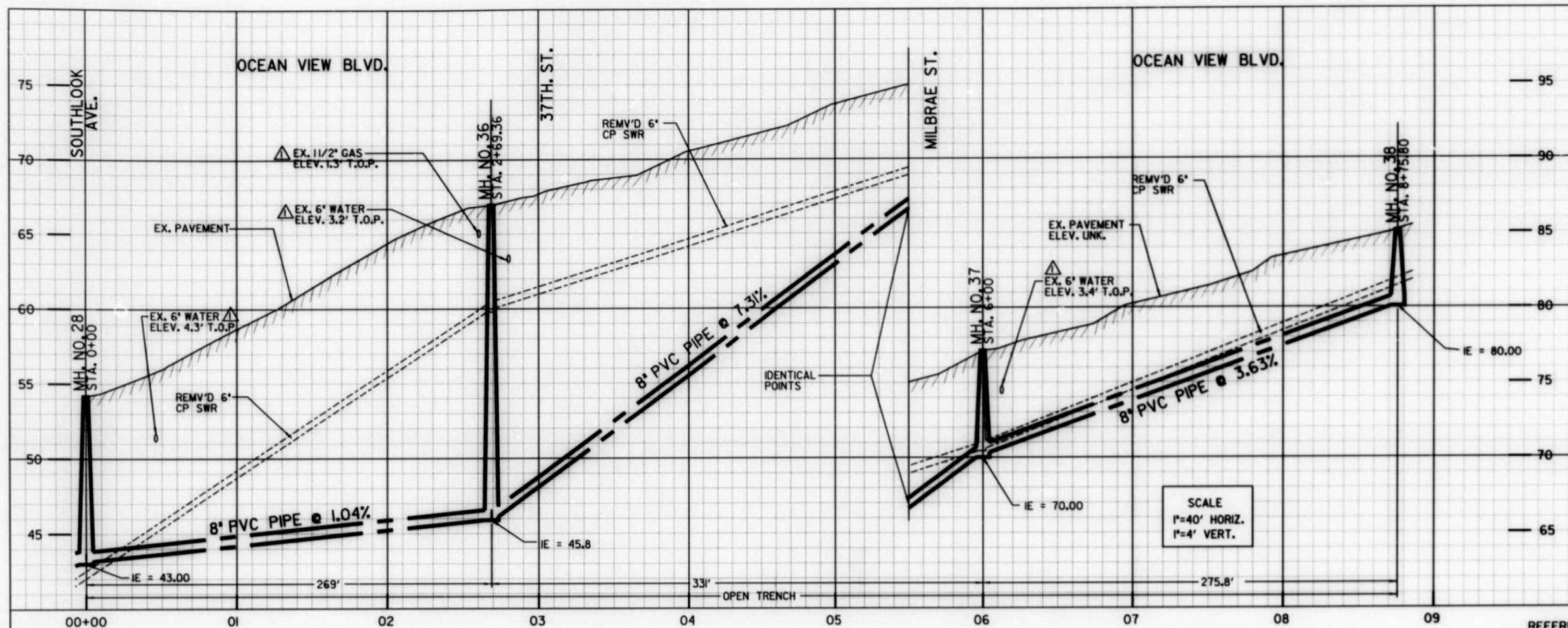
STORM DRAIN:
 GAS: 5/30L3; 4/31L2; 15/17; 326A; 27.27A; 10-388.9L; 930.93E; F; H
 ELECTRIC: 196-1732.5; 194-1731.4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 165II-D; 368-D; 5169-L; 15179-3-D; 26067-12.3.2-D; 165II-2-19-D
 WATER FIELD BOOKS: 1235
 SEWER FIELD BOOKS: 1235
 100' SCALE: 196-1734; 196-1734; 194-1731; 194-1734
 THOMAS BROS.:

SEWER GROUP JOB 632			
OLIVEWOOD TERRACE & PARDEE ST.			
STA 8+00 TO STA 11+99.37 & STA 0+00 TO STA 1+85			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		WATER SEWER 17388I	
SHEET 10 OF 36 SHEETS			
 CITY ENGINEER		 ASSOCIATE ENGINEER	
APPROVED DATE 01-18-01		 PROJECT ENGINEER	
DESCRIPTION	APPROVED	DATE	FILED
ORIGINAL	NS-BB		JAN 18 2001
CONTROL CERTIFICATION			
196-1731			
LAMBERT COORDINATES			
CONTRACTOR			28414-10-D
INSPECTOR			
DATE STARTED			
DATE COMPLETED			

FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.

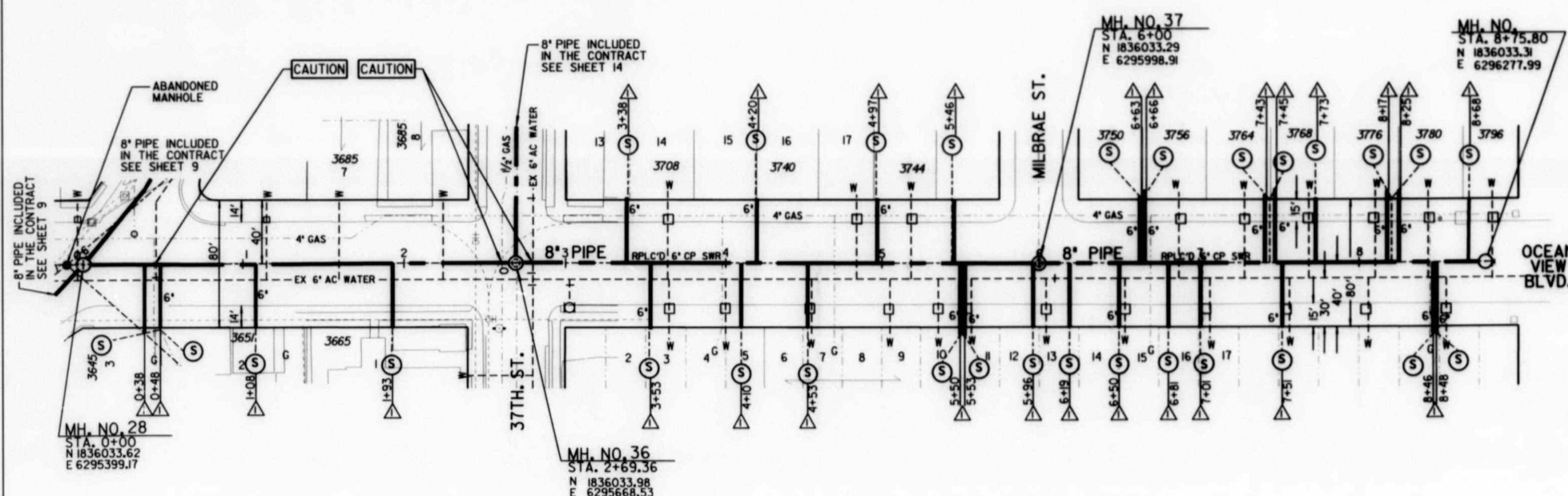


OLIVEWOOD TERRACE & PARDEE ST.



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

REFERENCE:
 BENCH MARK:
 Vertical Datum "NGVD29"
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.43(msl) on church steps
 SEBP Imperial & 39th Street Elev.=124.47(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlook & Imperial Elev.=103.98(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.38(msl)
 BASIS OF BEARINGS/COORDINATES:
 *EPOCH 91.35° N 89° 47'36" W Hor. Dist=646.09'
 GPS POINT # TO GPS POINT 6 (HV-6)
 FIELD NOTES: LOGAL 4-23-97, WO 17388, INDEX 154-1734
 Subdivision Maps 138,252,363,358,53,325,154,155,2584,3359
 Parcel Maps 305,3935
 Record of Surveys 4520,2963,15246
 City Title Point Sheets 336,338,339,340,353,354
 Corner Records 1432,459,979,3874,5449,8377
 WATER:
 SEWER: 16511-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 16511-D,
 STORM DRAIN:
 GAS: 5,301,3,4,31,12,15,17,326A,27,27A,10-388,91,930,93E,F,H
 ELECTRIC: 196-1732,5,94-1731,4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 16511-15-D,368-D,5169-L,15179-3-D,26067-12,3,2-D,16511-2-19-D
 WATER FIELD BOOK: 1235
 SEWER FIELD BOOK: 1235
 100' SCALE: 196-1734,96-1734,94-1734,94-1734
 THOMAS BROS.

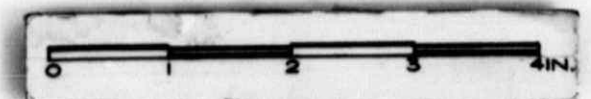


SEWER GROUP JOB 632			
OCEAN VIEW BLVD.			
STA. 0+00 TO STA. 8+75.80			
CITY OF SAN DIEGO, CALIFORNIA		WATER R.O. N	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		SEWER R.O. 17388	
SHEET 12 OF 36 SHEETS			
DATE	DATE	DATE	DATE
01-8-01			
DESCRIPTION	APPROVED	DATE	FILED
ORIGINAL	NB/BB		JAN 8 '02
CONTROL CERTIFICATION			
AS-BUILT PER CITY ENGINEER	NR/MD	DM	5-1-04
AS-BUILT PER CITY ENGINEER	DM		194-1734
CONTRACTOR ORIGINAL CONSTRUCTION	DATE STARTED	DATE COMPLETED	28414-12-D
INSPECTOR DEAN BARSDEN	04-02-02	02-04-04	

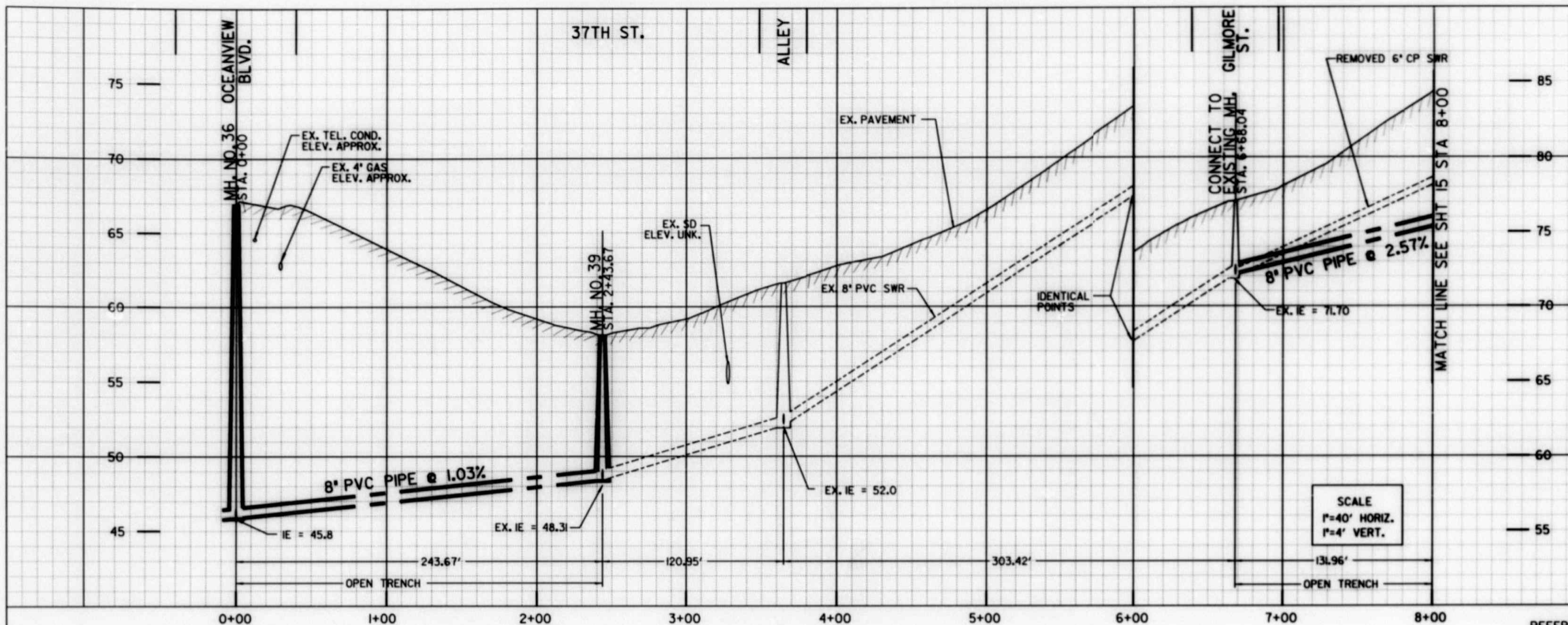
SCALE: 1" = 40'

AS-BUILT

FILED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



OCEAN VIEW BLVD.



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

REFERENCE:

BENCH MARK:
 Vertical Datum "NGVD29"
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.43(msl) on church steps
 SEBP Imperial & 39th Street Elev.=124.47(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlook & Imperial Elev.=103.98(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.38(msl)

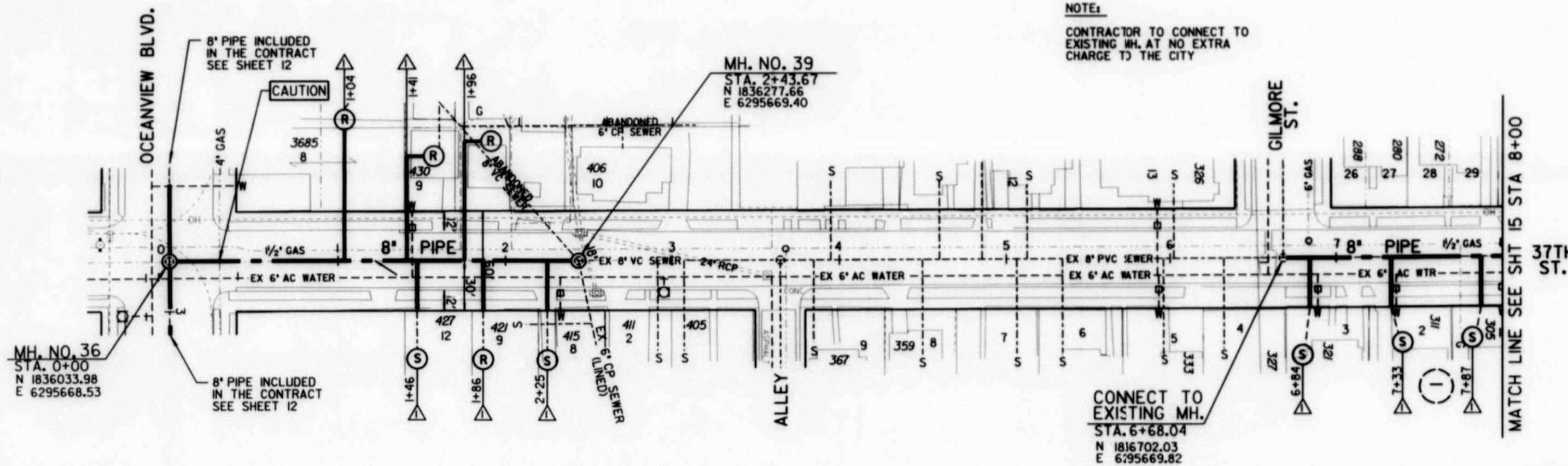
BASIS OF BEARINGS/COORDINATES:
 *EPOCH 91.35° N 89° 47'36" W Hor. Dist=646.09'
 GPS POINT #1 TO GPS POINT 6 (HV-6)

FIELD NOTES: LOCAL 4-23-97, WO 17388, INDEX 194-1734
 Subdivision Maps 138,252,363,358,153,325,154,155,258,4,3359
 Parcel Maps 305,3935
 Record of Surveys 4520,2963,15246
 City Tie Point Sheets 336,338,339,340,353,354
 Corner Records 1432,1459,1979,387,45449,8377

WATER:
 SEWER: 165II-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 165II-D,
 STORM DRAIN:
 GAS: 5/30,3,4,31,12,15,17,326A,27,27A,10-388,91,93D,93E,F,H
 ELECTRIC: 196-1732.5,194-1731,4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 165II-15-D,368-D,5169-L,15179-3-D,26067-12,3,2-D,165II-2-19-D
 WATER FIELD BOOK: 1235
 SEWER FIELD BOOK: 1235
 100' SCALE: 196-1734,196-1734,194-1731,194-1734
 THOMAS BROS.

NOTE:

CONTRACTOR TO CONNECT TO EXISTING MH. AT NO EXTRA CHARGE TO THE CITY



SCALE: 1" = 40'

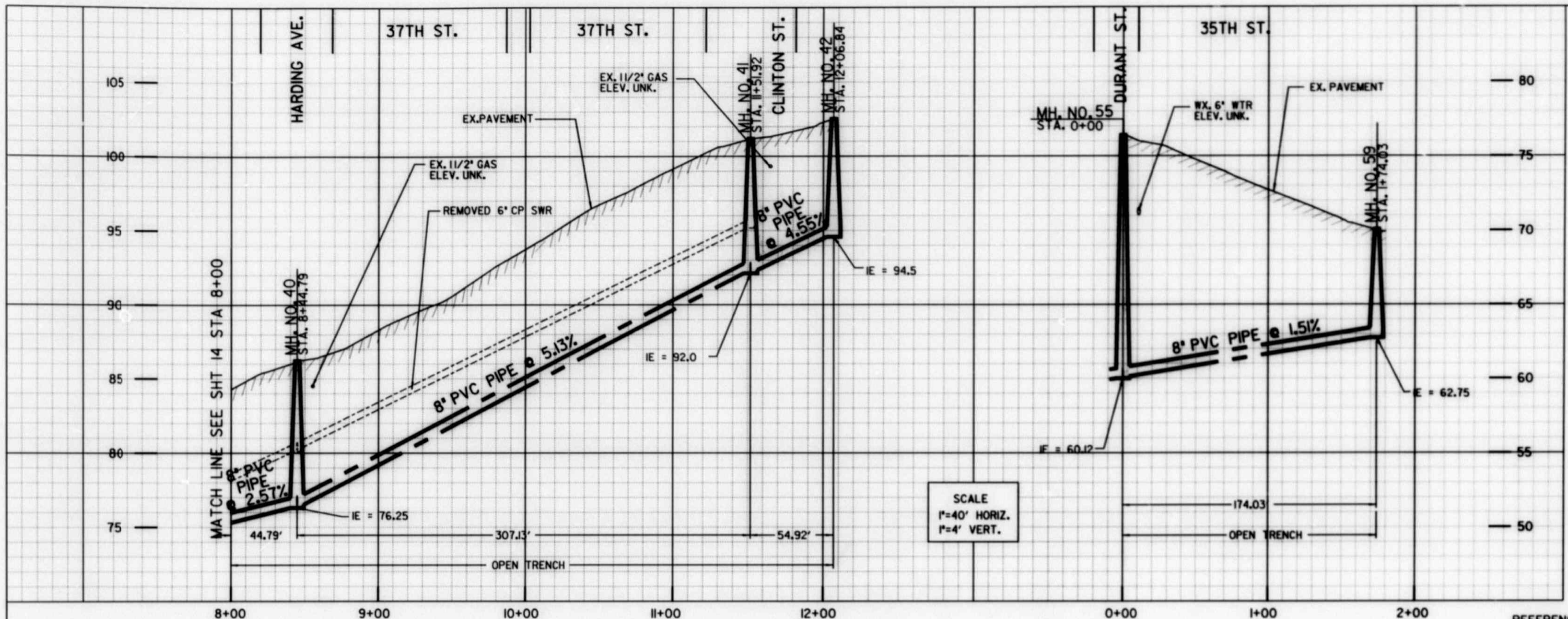
SEWER GROUP JOB 632			
37TH ST.			
STA 0+00 TO 8+00			
CITY OF SAN DIEGO, CALIFORNIA		WATER R.O. N	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		SEWER R.O. 17388	
SHEET 14 OF 36 SHEETS			
FOR CITY ENGINEER	DATE	APPROVED	FILED
<i>[Signature]</i>	01-18-01	<i>[Signature]</i>	JAN 18 '02
DESCRIPTION	APPROVED	DATE	FILED
ORIGINAL	NR/BB		
CONTROL CERTIFICATION			
AS-BUILT PER CITY INSPECTOR	NR/MD	DM	8+06
AS-BUILT PER CITY ENGINEER			
CONTRACTOR FIELD CONTRIBUTION	DATE STARTED	DATE COMPLETED	
INSPECTOR DEAN HARRISON	01-02-02	02-04-04	

AS-BUILT

FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



37TH ST. & GILMORE ST.



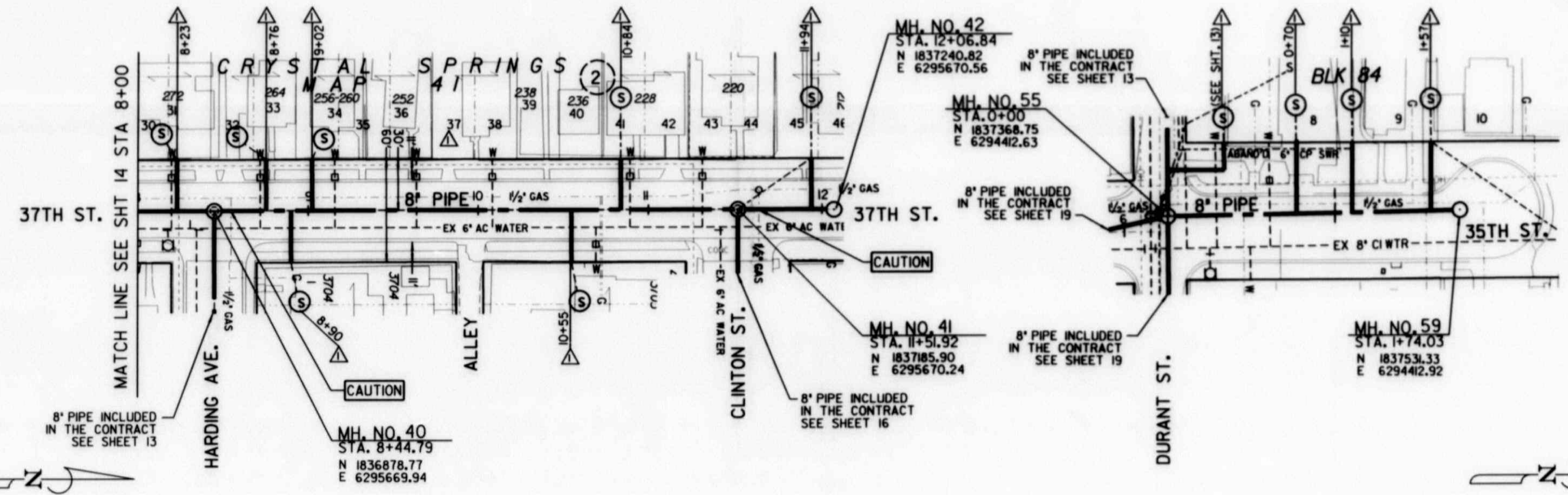
SCALE
 1"=40' HORIZ.
 1"=4' VERT.

REFERENCE:
 BENCH MARK:
 Vertical Datum "NGVD29"
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.43(msl) on church steps
 NEBP Imperial & 39th Street Elev.=124.47(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlook & Imperial Elev.=103.98(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.38(msl)

BASIS OF BEARINGS/COORDINATES:
 "EPOCH 91.35° N 89° 47'36" W Hor. Dist=646.09'
 GPS POINT 11 TO GPS POINT 6 (HV-6)

FIELD NOTES: LOGAL 4-23-97, WO 173881, INDEX 194-1734
 Subdivision Maps 138, 252, 263, 358, 415, 325, 54, 55, 258, 4, 335, 9
 Parcel Maps 305, 3935
 Record of Surveys 4520, 2963, 5246
 City File Sheets 336, 338, 339, 340, 353, 354
 Corner Records 1432, 459, 979, 387, 4, 544, 8377

WATER:
 SEWER: 165II-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 165II-D
 STORM DRAIN:
 GAS: 5/30I, 3, 4, 3II, J2, 5, 17, 326A, 27, 27A, 10-388, 9L, 930, 93E, F, H
 ELECTRIC: 196-1732, 5, 194-1731, 4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 165II-D, 368-D, 5169-L, 15179-3-D, 26067-12, 3, 2-D, 165II-2-19-D
 WATER FIELD BOOK: 1235
 SEWER FIELD BOOK: 1235
 100' SCALE: 196-1734, 196-1734, 194-1731, 194-1734
 THOMAS BROS.



SCALE: 1" = 40'

SCALE: 1" = 40'

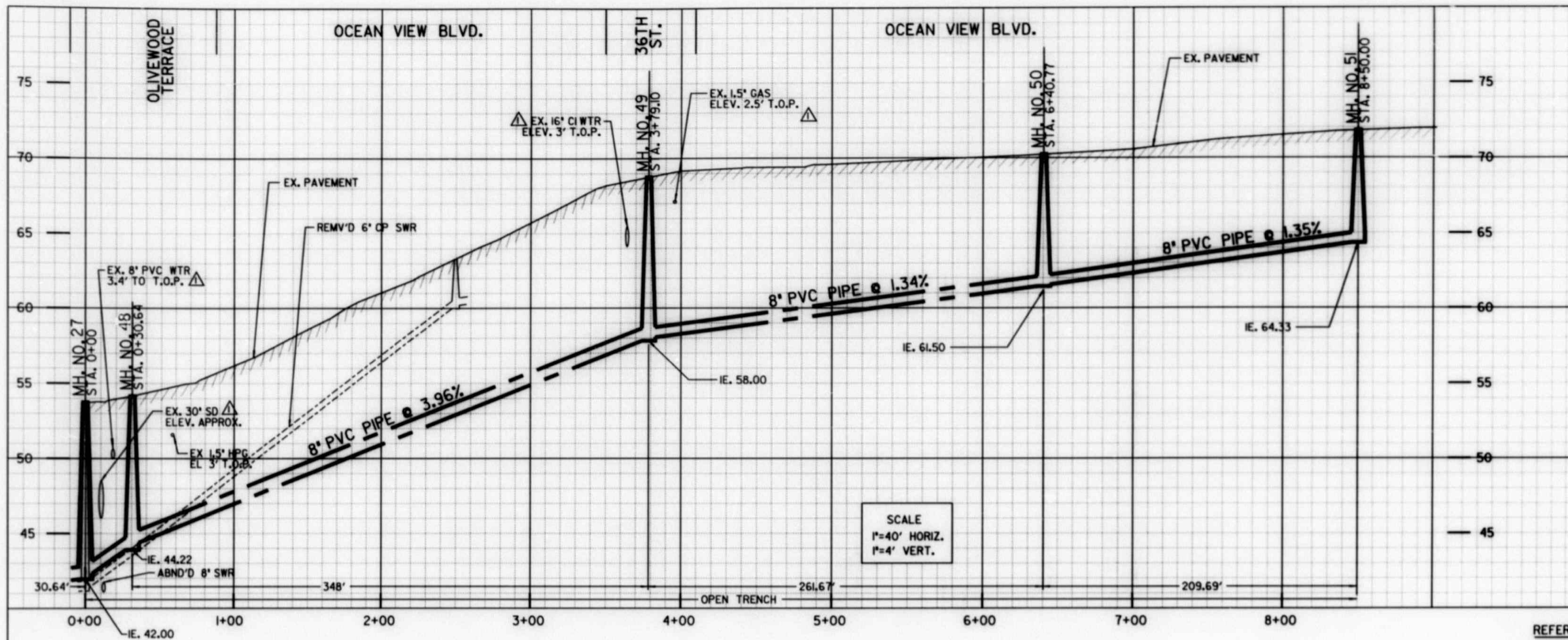
SEWER GROUP JOB 632			
37TH ST. & 35TH ST.			
STA. 8+00 TO STA. 12+06.84 & STA. 0+00 TO STA. 1+74.03			
CITY OF SAN DIEGO, CALIFORNIA		WATER B.O. N	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		SEWER B.O. 173881	
SHEET 15 OF 36 SHEETS			
 PROJECT ENGINEER		 ASSOCIATE ENGINEER	
DATE	01-18-01	DATE	JUN 18 '02
APPROVED	NR/BB	FILED	
ORIGINAL		CONTROL CERTIFICATION	
AS-BUILT PER CITY INSPECTOR	NR/MD DM	DATE	5-1-06
AS-BUILT PER CITY ENGINEER		DATE	04-02-02
CONTRACTOR ORIGIN/CONSTRUCTION	DATE STARTED	DATE COMPLETED	02-04-04
INSPECTOR	DEAN MARSH		28414-15-D

AS-BUILT

FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.

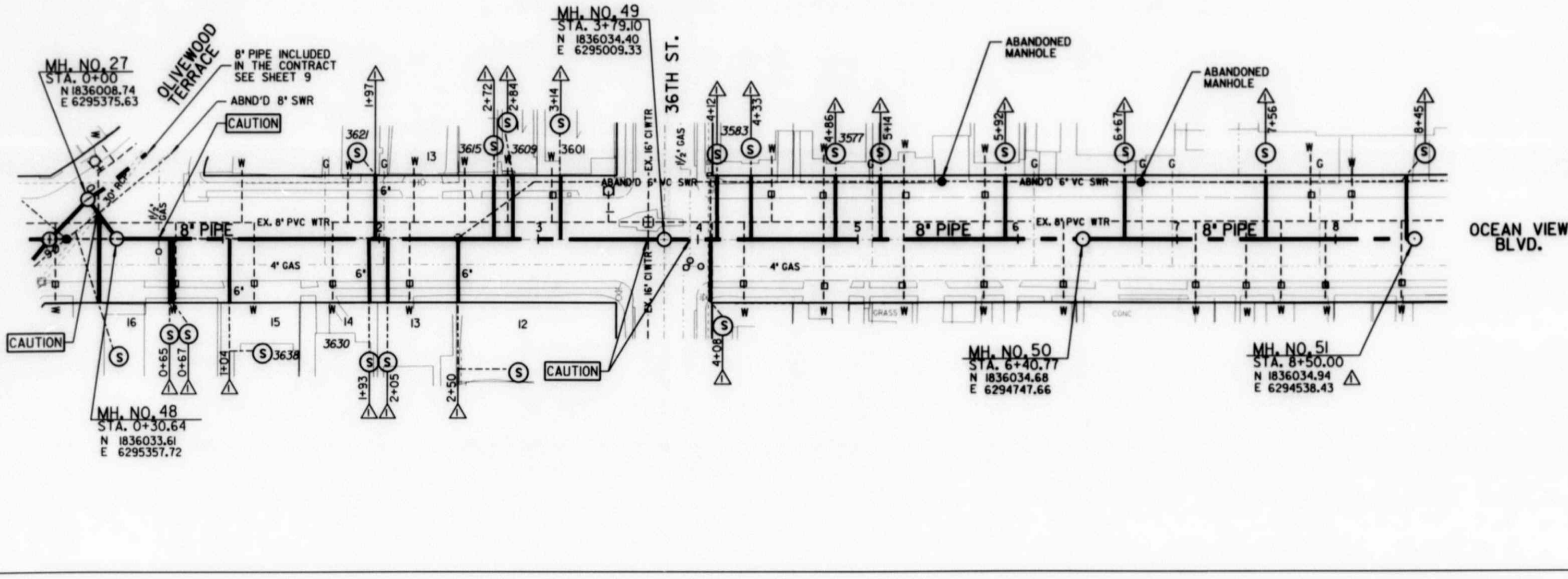


37TH ST. & 35TH ST.



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

REFERENCE:
 BENCH MARK:
 Vertical Datum "NGVD29"
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.431(msl) on church steps
 SEBP Imperial & 39th Street Elev.=124.471(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlook & Imperial Elev.=103.98(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.38(msl)
 BASIS OF BEARINGS/COORDINATES:
 *EPOCH 9L35' N 89' 47'36" W Hor. Dist.=646.09'
 GPS POINT #1 TO GPS POINT 6 (HV-6)
 FIELD NOTES: LOCAL 4-23-97, WO 173881, INDEX 194-1734
 Subdivision: Maps 138;252;363;358;153;132;154;155;2584;3359
 Parcel Maps 305;13935
 Record of Surveys 4520;2963;15246
 City Tie Point Sheets 336;338;339;340;353;354
 Corner Records 1432;1459;1979;3874;5449;8377
 WATER:
 SEWER: 16511-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 16511-D,
 STORM DRAIN:
 GAS: 5/30;3,4;31;12;15;17;326A,27,27A;10-388,91,930,93E,F,H
 ELECTRIC: 196-1732.5;194-1731,4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 16511-15-D;368-D;5169-L;15179-3-D;26067-12,3,2-D;16511-2-19-D
 WATER FIELD BOOK: 1235
 SEWER FIELD BOOK: 1235
 100' SCALE: 196-1734;196-1734;194-1731;194-1734
 THOMAS BROS.

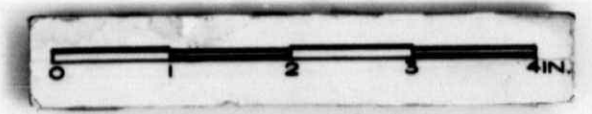


SCALE: 1" = 40'

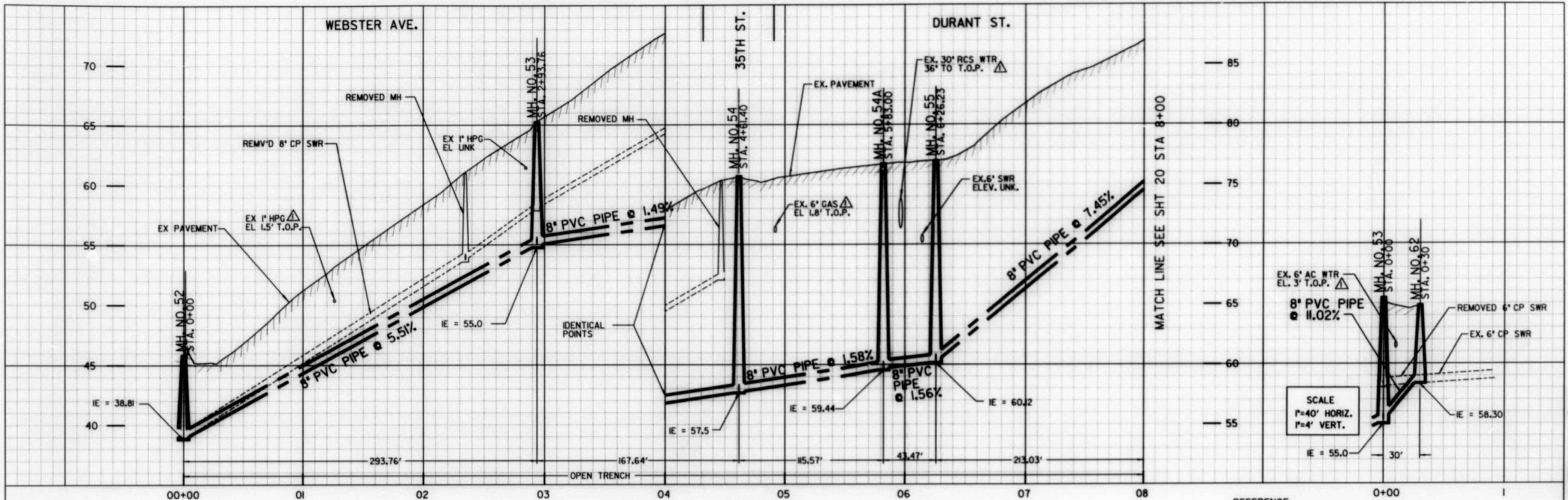
SEWER GROUP JOB 632			
OCEAN VIEW BLVD.			
STA. 0+00 TO STA. 9+00			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 18 OF 36 SHEETS		WATER N.O. SEWER N.O. (173881)	
DESIGNED BY <i>[Signature]</i>	DATE 01-18-01	APPROVED BY <i>[Signature]</i>	ASSOCIATE ENGINEER
DESCRIPTION ORIGINAL	APPROVED DATE JUN 18 '02	FILED DATE JUN 18 '02	PROJECT ENGINEER <i>[Signature]</i>
CONTRACTOR CONSTRUCTION		DATE STARTED 04-02-02	DATE COMPLETED 02-04-02
INSPECTOR DEAN MARSDEN		CONTROL CERTIFICATION 194-1734 LAMBERT COORDINATES 28414-18-D	

AS-BUILT

FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



OCEAN VIEW BLVD.



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

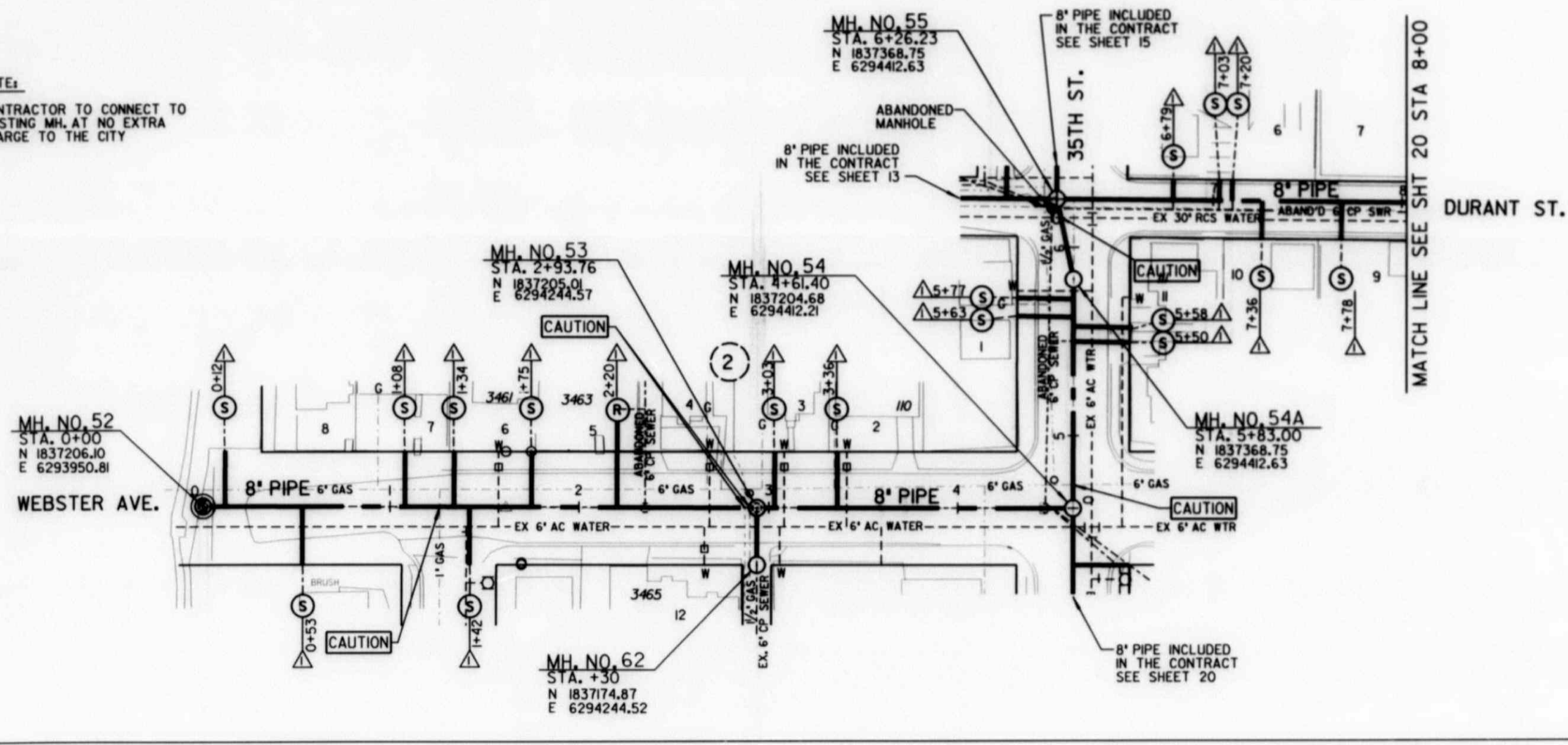
REFERENCE:
 BENCH MARK: Vertical Datum "NGVD29"
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.43(msl) on church steps
 SEBP Imperial & 39th Street Elev.=124.47(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlook & Imperial Elev.=103.98(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.38(msl)

BASIS OF BEARINGS/COORDINATES:
 "EPOCH 91.35" N 89° 47' 36" W Hor. Dist=646.09'
 GPS POINT #1 TO GPS POINT 6 (HV-6)

FIELD NOTES: LOGAL 4-23-97, WO 173881, INDEX 194-1734
 Subdivision Maps 138,252,263,358,515,325,514,555,258,4,3359
 Parcel Maps 305,13935
 Record of Surveys 4520,1296,3,5246
 City Title Sheets 336,338,339,340,353,354
 Corner Records 1432,1459,979,3874,5449,8377

WATER:
 SEWER: 165II-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 165II-D,
 STORM DRAIN:
 GAS: 5/30I, 3, 4, 3II, 12, 15, 17, 326A, 27, 27A, 10-388, 9I, 93D, 93E, F, H
 ELECTRIC: 196-1732, 5, 194-1731, 4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 165II-15-D, 368-D, 5169-L, 15179-3-D, 26067-12, 3, 2-D, 165II-2-19-D
 WATER FIELD BOOKS 1235
 SEWER FIELD BOOKS 1235
 100' SCALE: 196-1734, 196-1734, 194-1731, 194-1734
 THOMAS BROS.

NOTE:
 CONTRACTOR TO CONNECT TO EXISTING MH AT NO EXTRA CHARGE TO THE CITY



SCALE: 1" = 40'

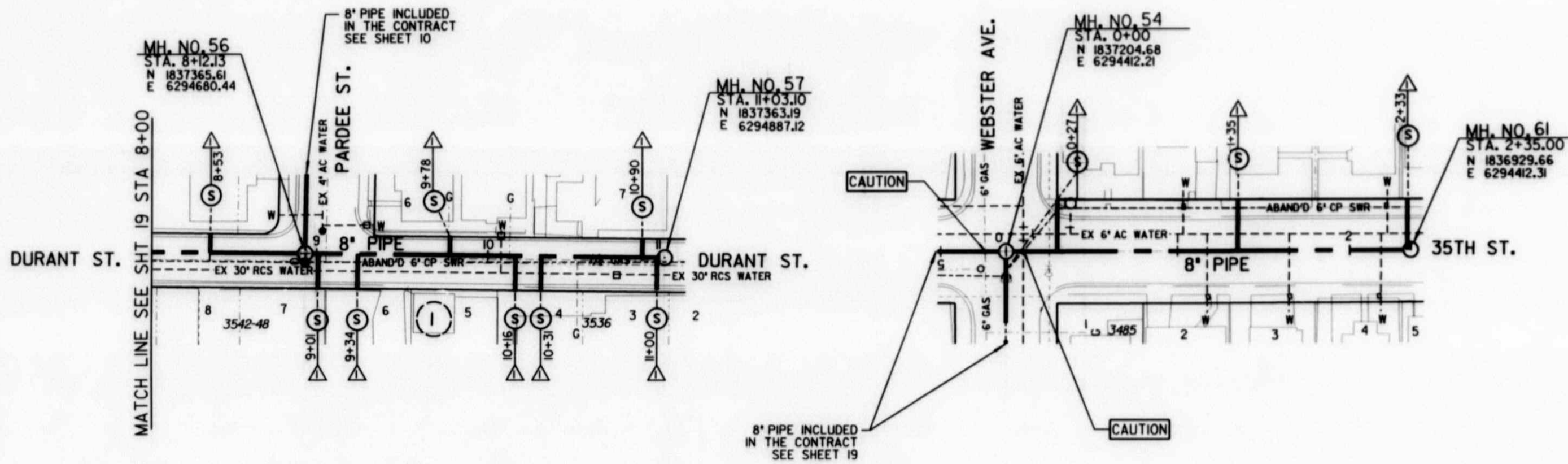
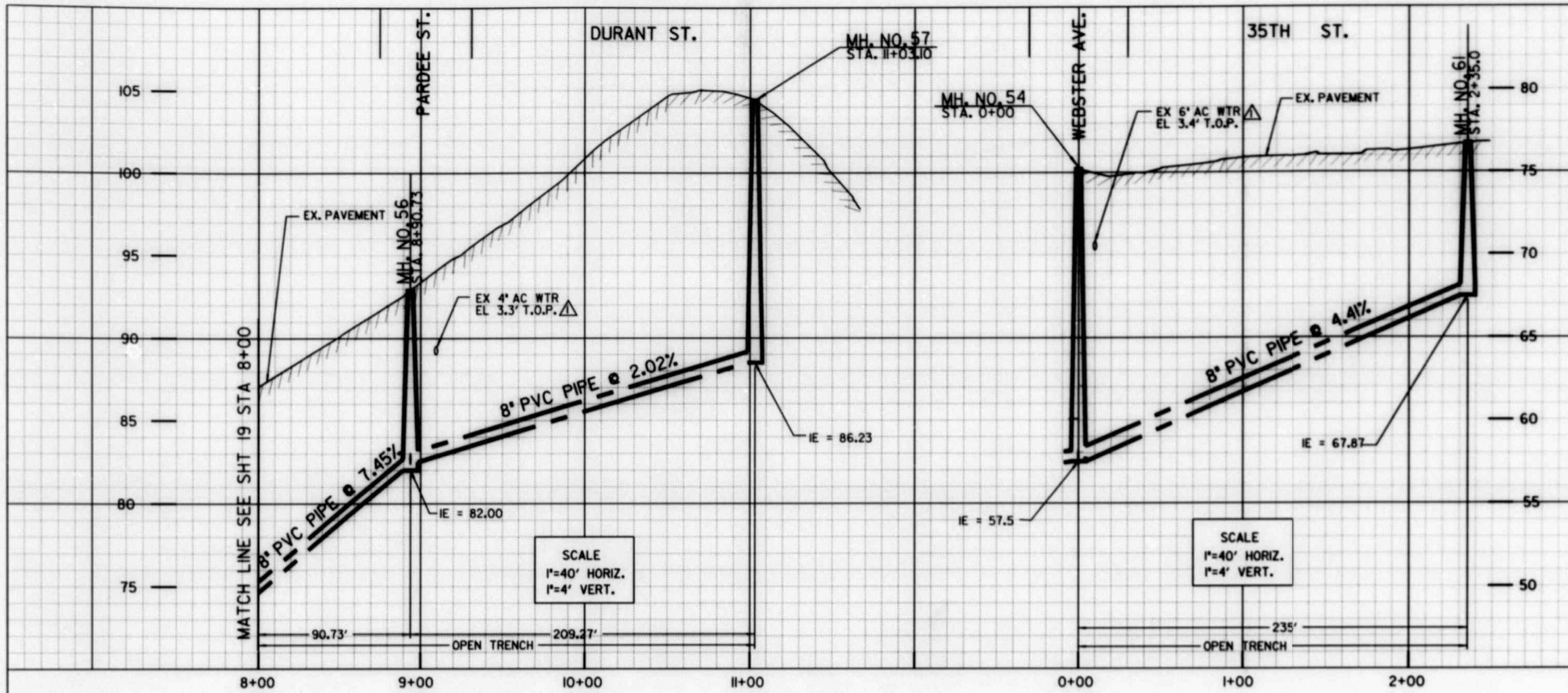
SEWER GROUP JOB 632			
WEBSTER ST. & 35TH ST.			
STA. 0+00 TO STA. 8+00 & STA. 0+00 TO STA. 0+30			
CITY OF SAN DIEGO, CALIFORNIA		WATER NO. N	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		SEWER NO. 173881	
SHEET 19 OF 36 SHEETS			
DESIGNER	DATE	APPROVED	DATE
PROJECT ENGINEER	01-18-01	PROJECT ENGINEER	
DESCRIPTION	APPROVED DATE	FILED	DATE
ORIGINAL	01/18/01		JUN 18 '02
CONTROL CERTIFICATION:			
AS-BUILT FOR CITY INSPECTOR	NR/NO	DM	5-1-06
AS-BUILT FOR CITY ENGINEER			
CONTRACTOR SERIAL CONSTRUCTION	DATE STARTED	DATE COMPLETED	
	02-02-02	02-04-04	
		196-1731	
		LAMBERT COORDINATES	
		28414-19-D	

AS-BUILT

FILED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



WEBSTER ST. & 35TH ST.



REFERENCE:

BENCH MARKS:
 Vertical Datum "NGVD29"
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.43(msl) on church steps
 SEBP Imperial & 39th Street Elev.=124.47(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlook & Imperial Elev.=103.98(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.38(msl)

BASIS OF BEARINGS/COORDINATES:
 "EPOCH 91.35° N 89° 47' 36" W Hor. Dist.=646.09'
 GPS POINT #1 TO GPS POINT 6 (HV-6)

FIELD NOTES: LOGAL 4-23-97, WO 17388, INDEX 194-1734
 Subdivision Maps 138, 252, 363, 358, 53, 325, 54, 55, 258, 3359
 Parcel Maps 305, 3935
 Record of Surveys 4520, 2963, 5246
 City Tie Point Sheets 336, 338, 339, 340, 353, 354
 Corner Records 1432, 459, 979, 3874, 5449, 8377

WATER:
 SEWER: 165II-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 165II-D,
 STORM DRAIN:
 GAS: 5/301, 3, 4, 311, 2, 15, 17, 326A, 27, 27A, 10-388, 91, 93D, 93E, F, H
 ELECTRIC: 196-1732, 5, 194-1731, 4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 165II-15-D, 368-D, 5169-L, 15179-3-D, 26067-12, 3, 2-D, 165II-2-19-D
 WATER FIELD BOOK: 1235
 SEWER FIELD BOOK: 1235
 100' SCALE: 196-1734, 196-1734, 194-1731, 194-1734
 THOMAS BROS.

DURANT ST. & 35TH ST.

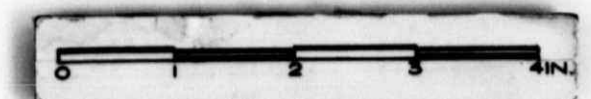
SEWER GROUP JOB 632
DURANT ST. & 35TH ST.

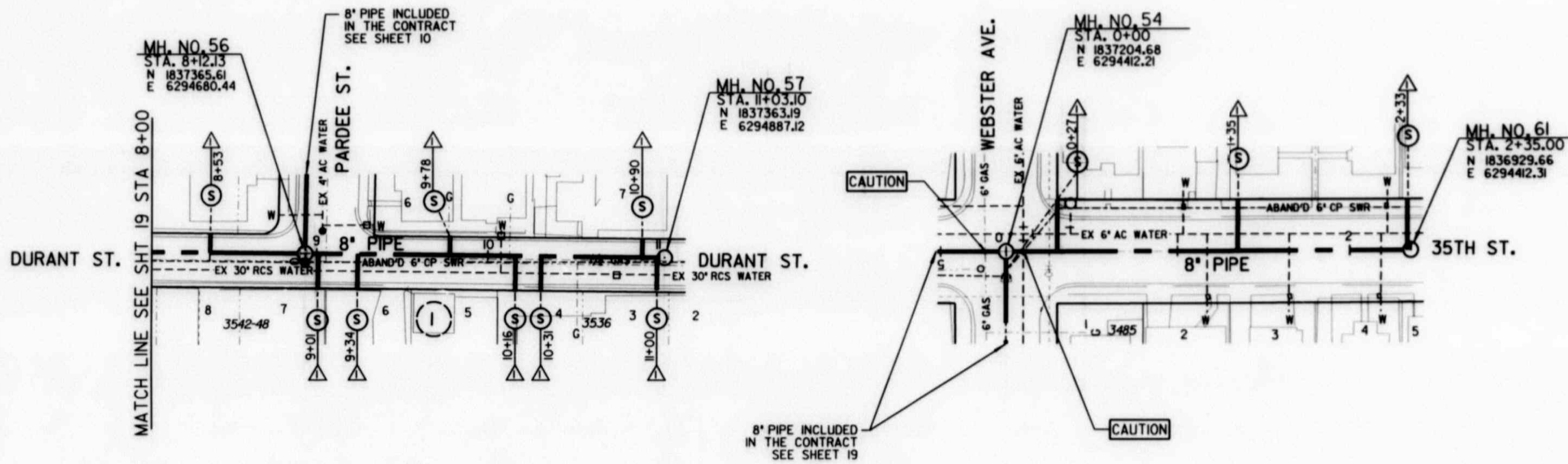
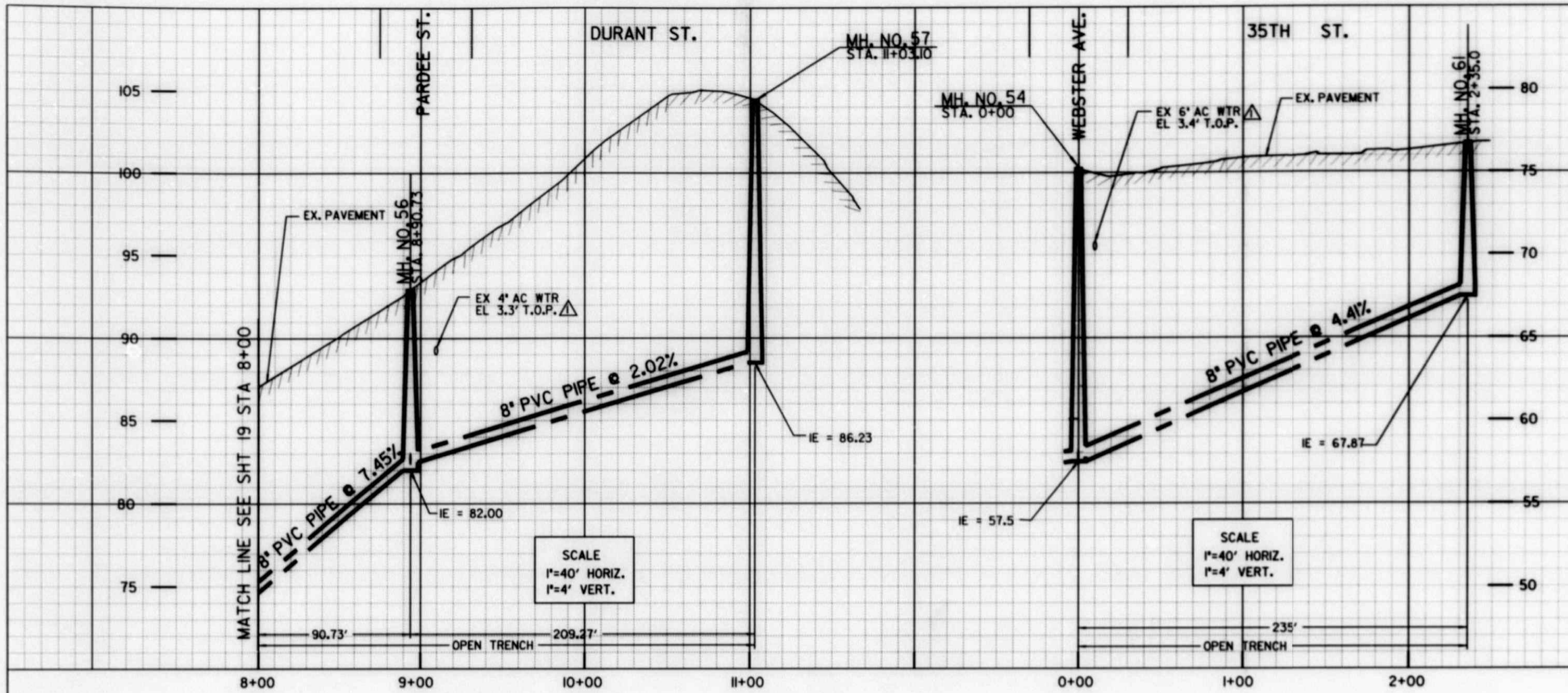
STA. 8+00 TO STA. 8+83.24 AND STA. 0+00 TO STA. 2+72

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 20 OF 36 SHEETS		WATER S.O. N SEWER S.O. 17388
DATE 01-18-01	ASSOCIATE ENGINEER [Signature]	PROJECT ENGINEER [Signature]
DESCRIPTION ORIGINAL	APPROVED [Signature]	DATE JAN 18 02
CONTRACTOR [Signature]	DATE STARTED 02-02-01	DATE COMPLETED 02-02-01

AS-BUILT

FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.





REFERENCE:

BENCH MARKS:
 Vertical Datum "NGVD29"
 SEBP Hemlock Street & 37th Street Elev.=88.838(msl)
 NWBP Franklin & 39th Street Elev.=107.43(msl) on church steps
 SEBP Imperial & 39th Street Elev.=124.47(msl)
 NEBP Florence & 37th Street Elev.=75.537(msl)
 SEBP Southlook & Imperial Elev.=103.98(msl)
 SEBP Franklin Avenue & 37th Street Elev.=60.38(msl)

BASIS OF BEARINGS/COORDINATES:
 "EPOCH 91.35° N 89° 47' 36" W Hor. Dist.=646.09'
 GPS POINT 11 TO GPS POINT 6 (HV-6)

FIELD NOTES: LOGAL 4-23-97, WO 173881, INDEX 194-1734
 Subdivision Maps 138, 252, 363, 358, 531, 325, 541, 555, 258, 3359
 Parcel Maps 305, 3935
 Record of Surveys 4520, 2963, 5246
 City Tie Point Sheets 336, 338, 339, 340, 353, 354
 Corner Records 1432, 459, 979, 3874, 5449, 8377

WATER:
 SEWER: 16511-D, 368-D, 5169-L, 26067-D, 15179-D, 7704-L, 16511-D,
 STORM DRAIN:
 GAS: 5/301, 3, 4, 311, 2, 15, 17, 326A, 27, 27A, 10-388, 91, 93D, 93E, F, H
 ELECTRIC: 196-1732, 5, 194-1731, 4
 CABLE TV:
 TELEPHONE:
 IMPROVEMENTS: 16511-15-D, 368-D, 5169-L, 15179-3-D, 26067-12, 3, 2-D, 16511-2-19-D
 WATER FIELD BOOK: 1235
 SEWER FIELD BOOK: 1235
 100' SCALE: 196-1734, 196-1734, 194-1731, 194-1734
 THOMAS BROS.

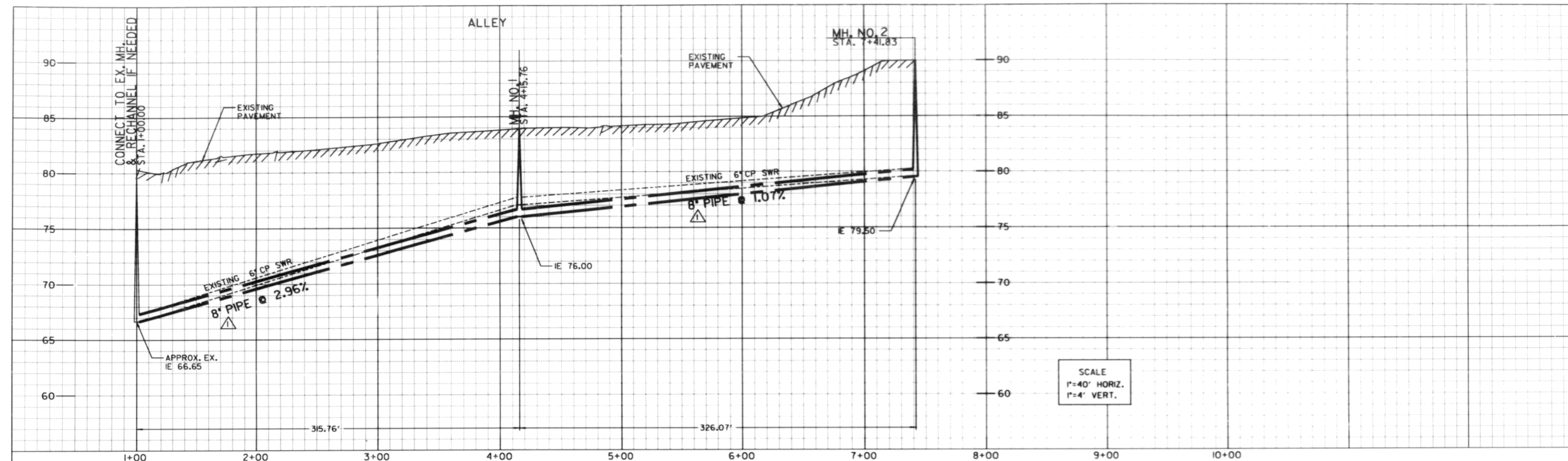
SEWER GROUP JOB 632	
DURANT ST. & 35TH ST.	
STA. 8+00 TO STA. 8+93.24 AND STA. 0+00 TO STA. 2+72	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 20 OF 36 SHEETS	
PROJECT ENGINEER <i>[Signature]</i> DATE: 01-18-01	WATER S.O. N SEWER S.O. 173881 ASSOCIATE ENGINEER <i>[Signature]</i>
DESCRIPTION ORIGINAL	APPROVED DATE FILMED NR/BR JAN 18 02
CONTRACTOR: DEAR MADISON DATE STARTED: 06-06-00 DATE COMPLETED: 02-04-01	
CONTROL CERTIFICATION 196-1731 LAMBERT COORDINATES 28414-20-D	

AS-BUILT

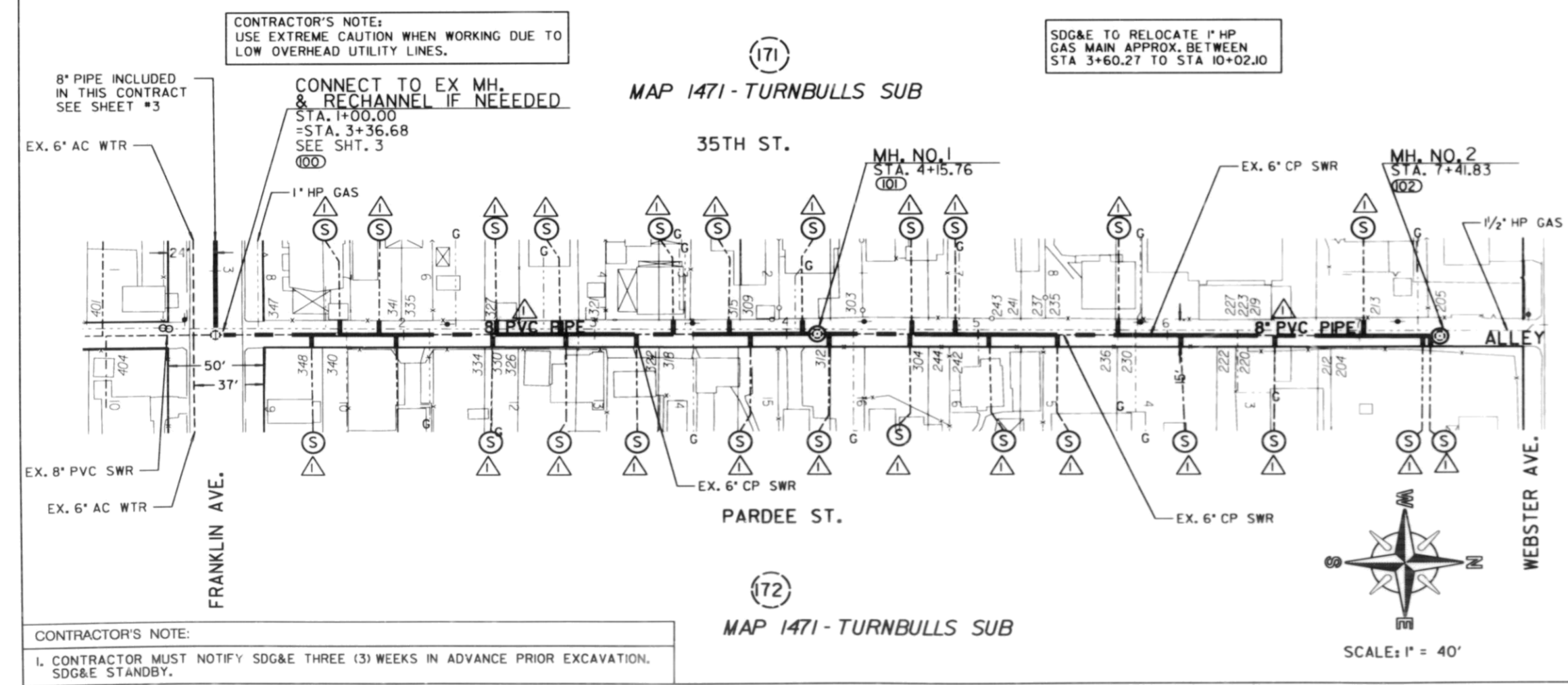
FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



DURANT ST. & 35TH ST.



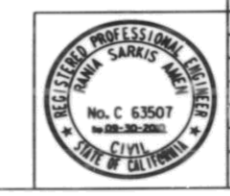
SCALE
1"=40' HORIZ.
1"=4' VERT.



CONTRACTOR'S NOTE:
1. CONTRACTOR MUST NOTIFY SDG&E THREE (3) WEEKS IN ADVANCE PRIOR EXCAVATION. SDG&E STANDBY.

SDG&E TO RELOCATE 1" HP GAS MAIN APPROX. BETWEEN STA 3+60.27 TO STA 10+02.10

REFERENCE:
WATER: 6332-W
SEWER: 367-D, 368-D, 165H-16-D, 24648-12-D
STORM DRAIN: 194-1731, 22766-11-D
GAS: 1289-F4, 10-31B
ELECTRIC: 196-1731B
CABLE: 196-1731
TELEPHONE: NONE
IMPROVEMENTS: NONE
WATER FIELD BOOK: 1235
SEWER FIELD BOOK: 1235
100' SCALE: 194-1731
THOMAS BROS.: 1269-F4
RETIREMENTS:
64.83' - 6' CP - 1926
MANHOLE - 3'x4' - 2 - 1926
4' LATERALS - 24 - CP - 1926



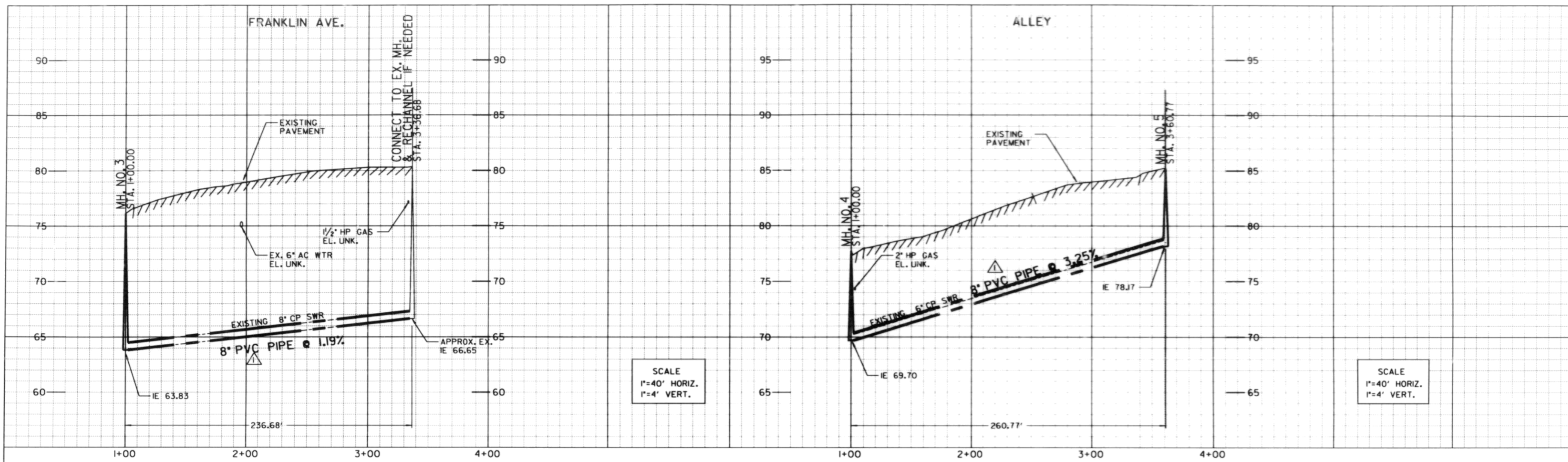
SEWER GROUP JOB 734			
ALLEY BLOCK NO. 171			
PARDEE PL TO WEBSTER AVE			
CITY OF SAN DIEGO, CALIFORNIA		WATER	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		SEWER	
SHEET 2 OF 13 SHEETS		NO. B-00343	
DATE	1/21/10	DATE	AKRAM BASSYOUNI
FOR CITY ENGINEER		DATE	PROJECT ENGINEER
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	CM/NC		5-06-13
			194-1731
			COORDINATOR
AS-BUILT FOR	CM/PH	DATE	04-09-16
CITY INSPECTOR			5-06-13
			6292407-1834444
			COORDINATOR
CONTRACTOR SUBMITTAL DATE STARTED	0-08-1		32350-02-D
INSPECTOR	Y. S. MAMMACHALA	DATE COMPLETED	04-29-1

AS-BUILT

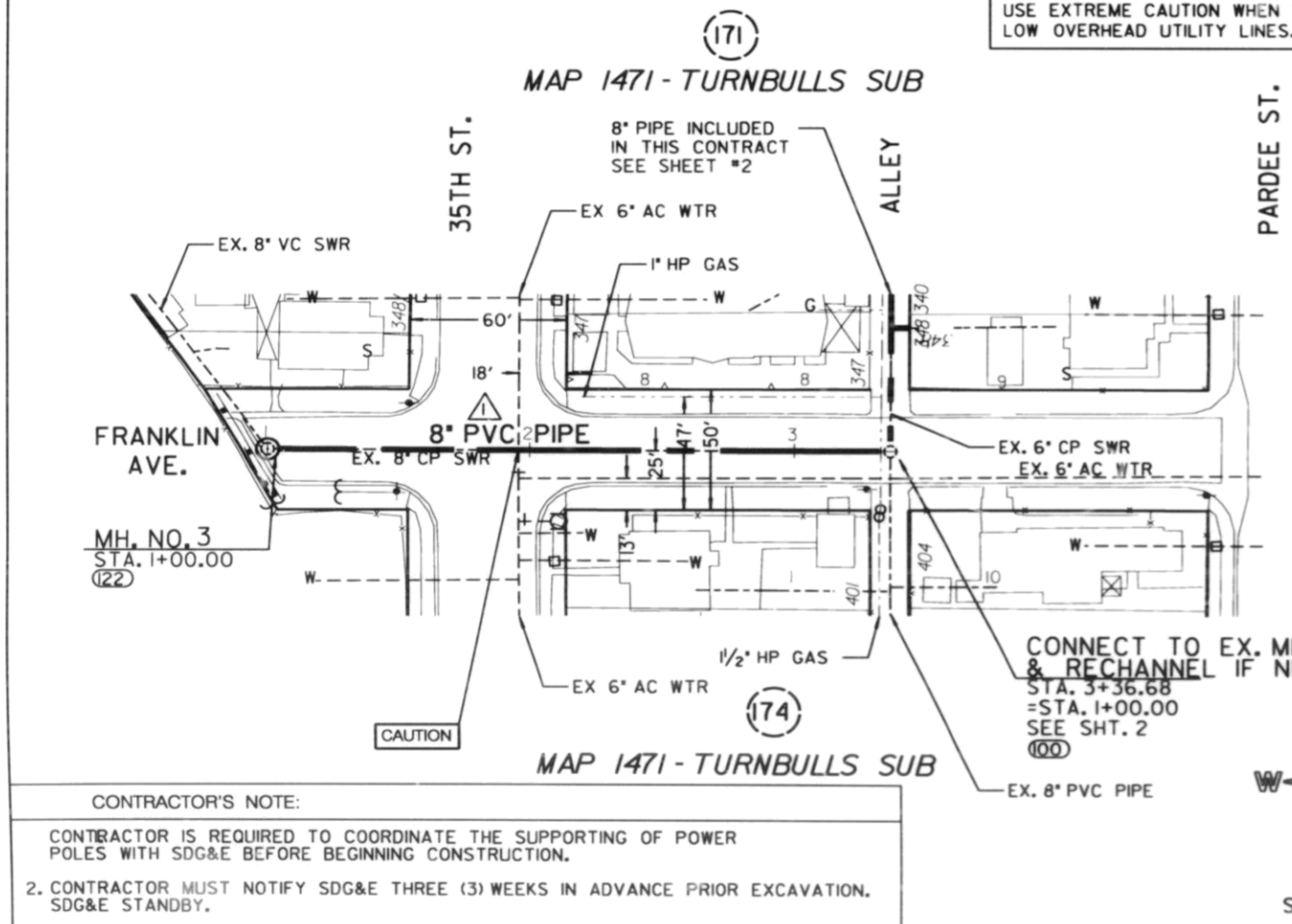


BLOCK NO. 171

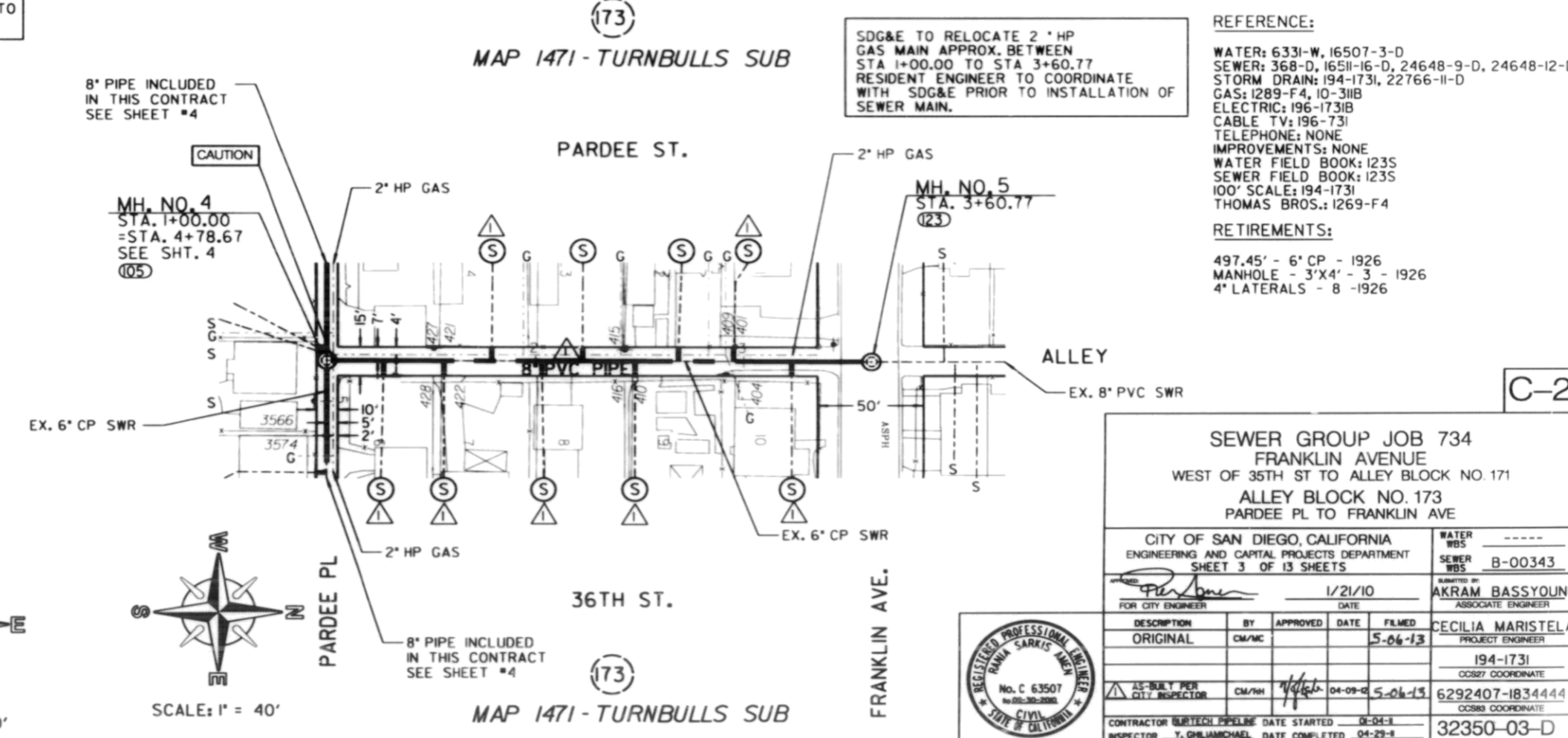




CONTRACTOR'S NOTE:
USE EXTREME CAUTION WHEN WORKING DUE TO
LOW OVERHEAD UTILITY LINES.



CONTRACTOR'S NOTE:
CONTRACTOR IS REQUIRED TO COORDINATE THE SUPPORTING OF POWER
POLES WITH SDG&E BEFORE BEGINNING CONSTRUCTION.
2. CONTRACTOR MUST NOTIFY SDG&E THREE (3) WEEKS IN ADVANCE PRIOR EXCAVATION.
SDG&E STANDBY.



SDG&E TO RELOCATE 2" HP
GAS MAIN APPROX. BETWEEN
STA 1+00.00 TO STA 3+60.77
RESIDENT ENGINEER TO COORDINATE
WITH SDG&E PRIOR TO INSTALLATION OF
SEWER MAIN.

REFERENCE:
WATER: 6331-W, 16507-3-D
SEWER: 368-D, 16511-16-D, 24648-9-D, 24648-12-D
STORM DRAIN: 194-1731, 22766-11-D
GAS: 1289-F-4, 10-318
ELECTRIC: 196-1731B
CABLE TV: 196-1731
TELEPHONE: NONE
IMPROVEMENTS: NONE
WATER FIELD BOOK: 1235
SEWER FIELD BOOK: 1235
100' SCALE: 194-1731
THOMAS BROS.: 1269-F-4
RETIREMENTS:
497.45' - 6" CP - 1926
MANHOLE - 3'x4' - 3 - 1926
4" LATERALS - 8 - 1926

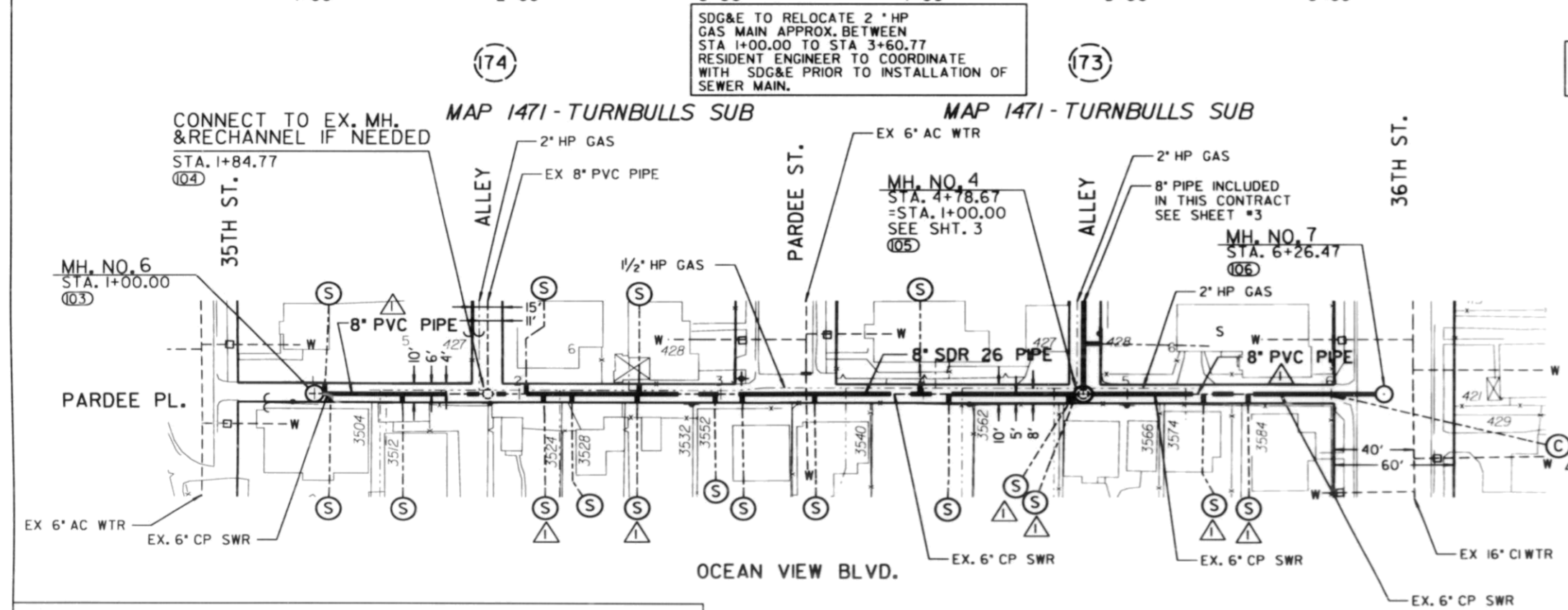
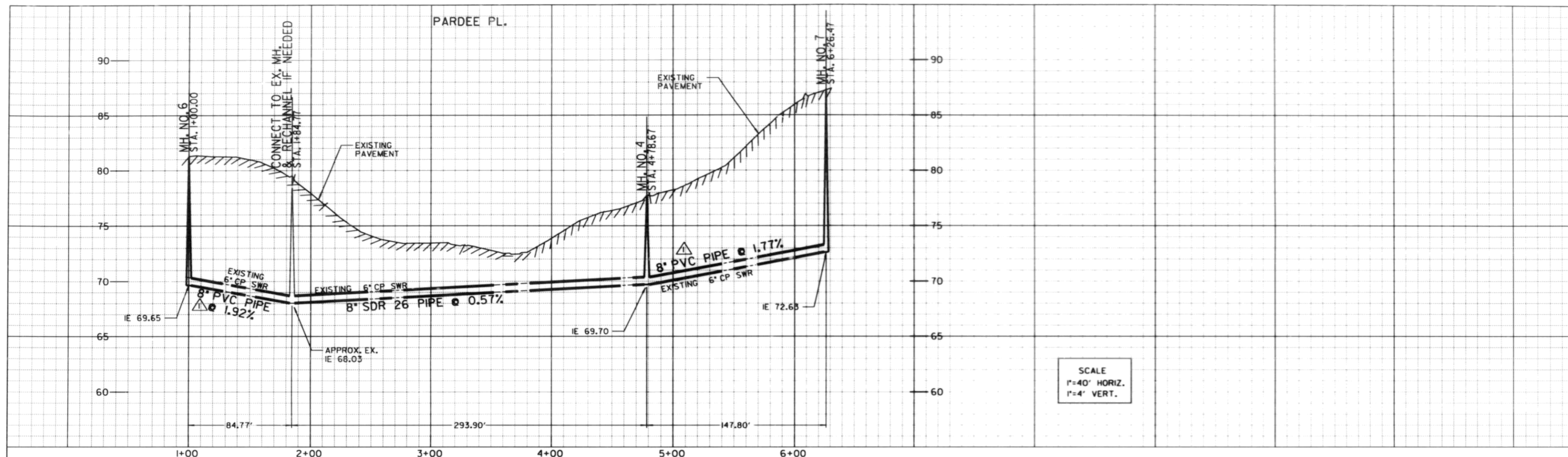


SEWER GROUP JOB 734 FRANKLIN AVENUE WEST OF 35TH ST TO ALLEY BLOCK NO. 171 ALLEY BLOCK NO. 173 PARDEE PL TO FRANKLIN AVE			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 3 OF 13 SHEETS		WATER SEWER SDS - B-00343	
FOR CITY ENGINEER	DATE	FILED	PROJECT ENGINEER
ORIGINAL	1/21/10	5-04-13	AKRAM BASSYOUNI
			ASSOCIATE ENGINEER
			CECILIA MARISTELA
			PROJECT ENGINEER
			194-1731
			COORDINATOR
			6292407-1834444
			COORDINATOR
			32350-03-D

AS-BUILT



FRANKLIN AVENUE & BLOCK NO. 173



CONTRACTOR'S NOTE:

- CONTRACTOR TO POTHOLE EXACT LOCATIONS OF LATERALS BETWEEN STA 5+50 AND STA 6+68.64 AND COORDINATE WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION OF MH NO. 7
- CONTRACTOR IS REQUIRED TO COORDINATE THE SUPPORTING OF POWER POLES WITH SDG&E BEFORE BEGINNING CONSTRUCTION.
- CONTRACTOR MUST NOTIFY SDG&E THREE (3) WEEKS IN ADVANCE PRIOR EXCAVATION, SDG&E STANDBY.

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

REFERENCE:
WATER: 6177-L, 6330-W, 6331-W
SEWER: 367-D
STORM DRAIN: 194-1731, 22766-II-D
GAS: 1289-F4, 10-31B
ELECTRIC: 196-1731B
CABLE TV: 196-731
TELEPHONE: NONE
IMPROVEMENTS: NONE
WATER FIELD BOOK: 1235
SEWER FIELD BOOK: 1235
100' SCALE: 194-1731
THOMAS BROS.: 1269-F4

RETIREMENTS:
462.84' - 6" CP - 1926
MANHOLE - 3'x4' - 2 - 1926
4" LATERALS - 18 - 1926

SDG&E TO RELOCATE 2" HP GAS MAIN APPROX. BETWEEN STA 1+00.00 TO STA 3+60.77
RESIDENT ENGINEER TO COORDINATE WITH SDG&E PRIOR TO INSTALLATION OF SEWER MAIN.

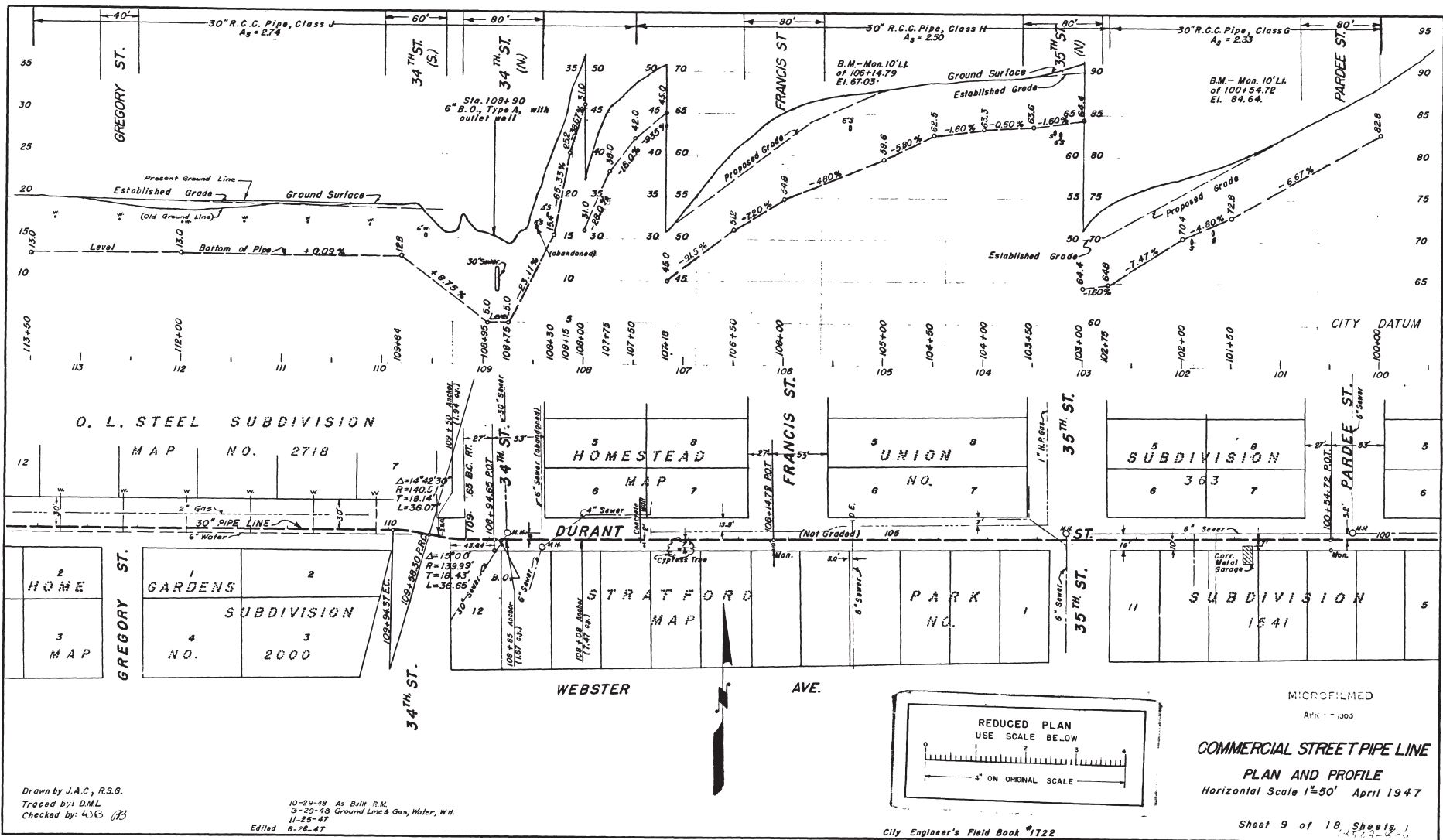


SEWER GROUP JOB 734			
PARDEE PLACE			
EAST OF 35TH ST TO WEST OF 36TH ST			
CITY OF SAN DIEGO, CALIFORNIA		WATER	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		SEWER	
SHEET 4 OF 13 SHEETS		B-00343	
FOR CITY ENGINEER	DATE	APPROVED	DATE
ORIGINAL	CM/AC	5-04-13	AKRAM BASSYOUNI
			ASSOCIATE ENGINEER
			CECILIA MARISTELA
			PROJECT ENGINEER
			194-1731
			COORDINATE
			6292407-1834444
			COORDINATE
			32350-04-D

AS-BUILT

FILED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.

PARDEE PLACE

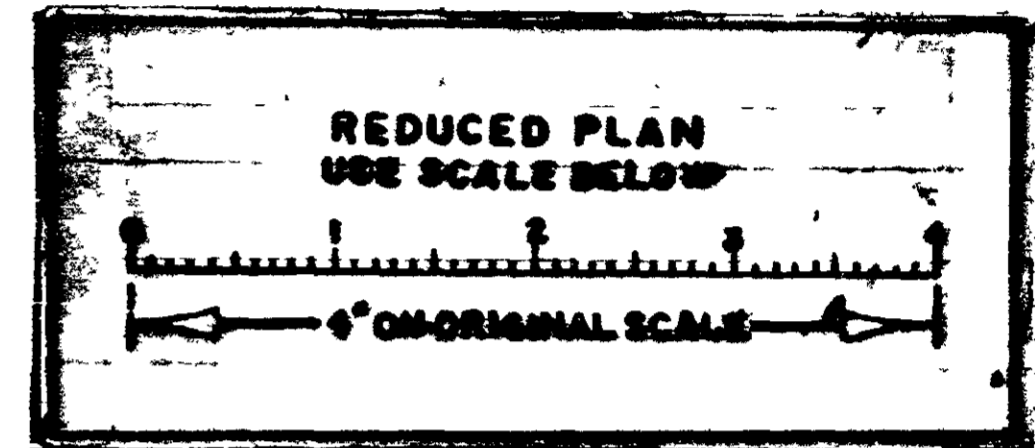


Drawn by J.A.C., R.S.G.
Traced by: DML
Checked by: W.S. B

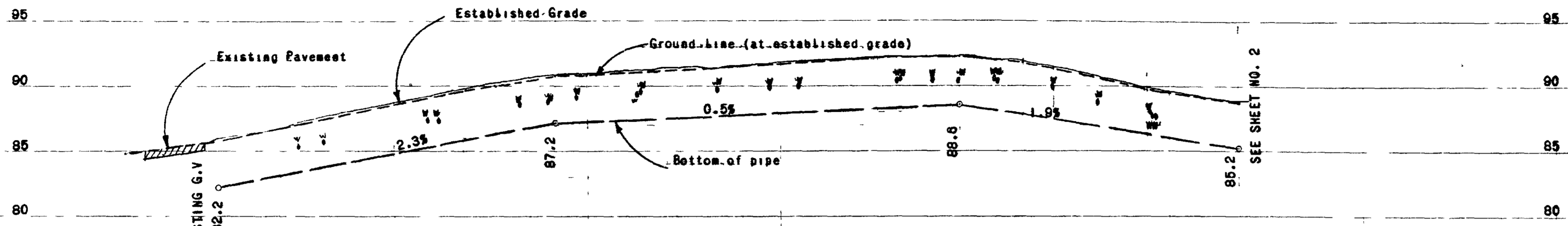
10-29-48 As Bilt. R.M.
3-29-48 Ground Line & Gas, Water, W.H.
11-25-47
Edited 6-28-47

GENERAL NOTES

- All water services are 2" unless otherwise specified.
- Elevations of water, sewer and gas laterals are approximate only.
- Grade line shown is outside bottom of pipe.
- Pipe shall be 6" asbestos cement, class 160, and shall be installed in accordance with the provisions of the California Building Code, Chapter 18, and the provisions of the California Water Code, Chapter 10, and the provisions of the California Public Utilities Code, Chapter 10.
- Replace any cut surfacing with plant mix.
- City forces will make connections to all existing water mains. Contractor shall tap main, install stop, 2" service to meter box location and place service stop on end of service. (City forces will transfer the meters and complete house connection).
- VALVE INSTALLATIONS: Contractor shall plug or cap ends of new mains for tests. City forces will install all valves shown at ends of mains.



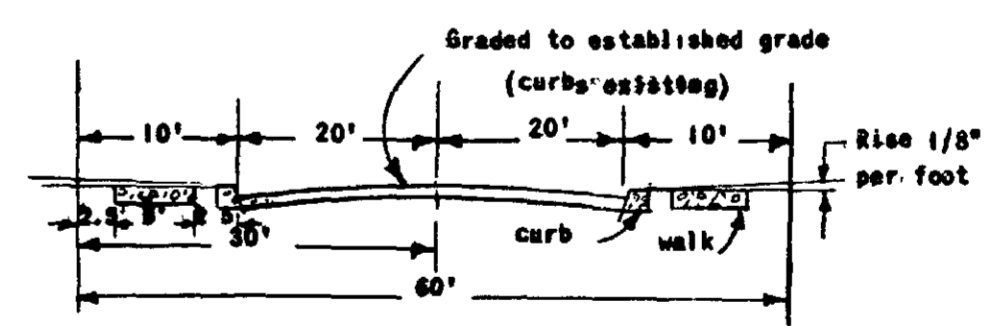
CONTRACTOR: M.A. ROBERTSON & Co.
 CONSTRUCTED: SEPT 23, 1952
 PIPE: 6" ASBESTOS CEMENT, CLASS 160, FURNISHED BY CITY
 VALVES: (RICH GATE VALVES USED) & FITTINGS FURNISHED BY CITY
 TEST PRESSURE: STA 12+80 = 200 LBS.
 WORK DONE ON: W.D. 21605 - CONNECTIONS
 W.D. 31608 - METER TRANSFER



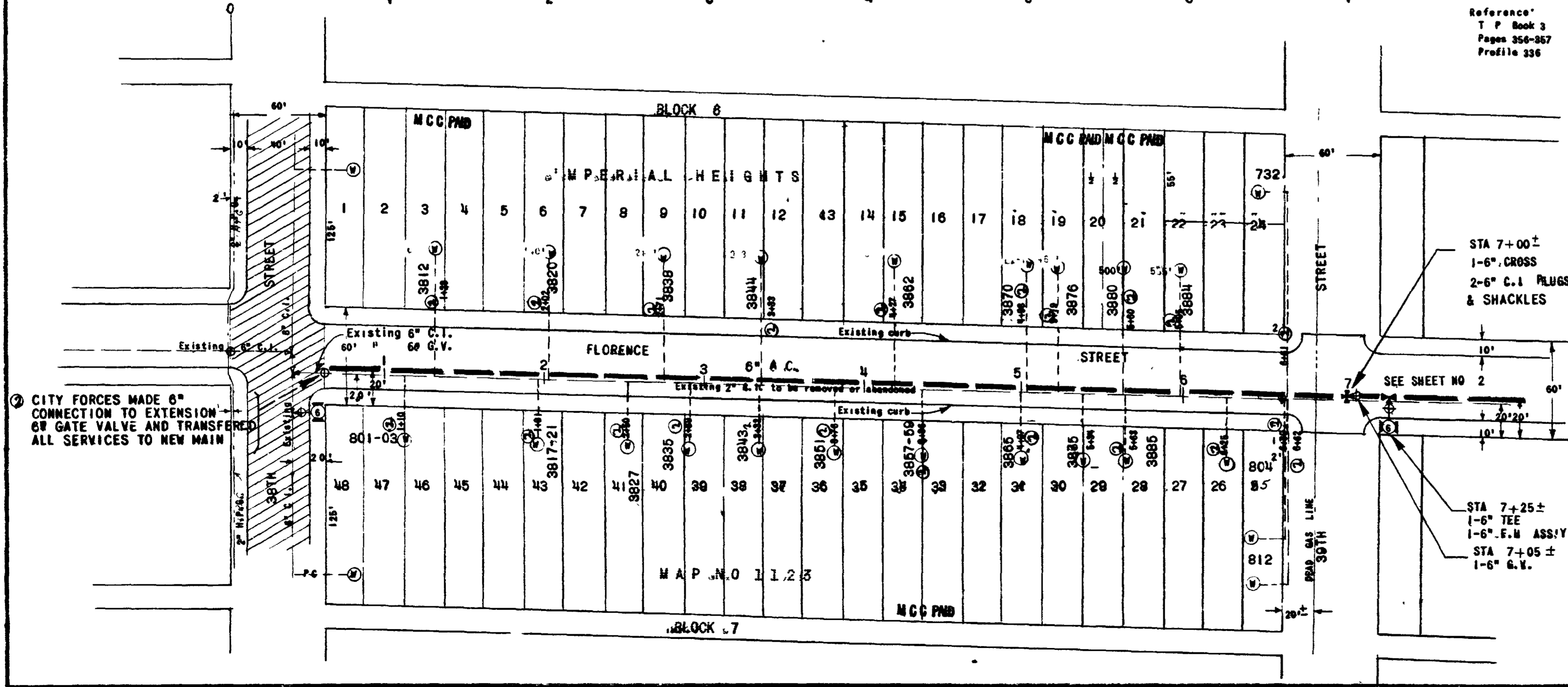
Reference: T.P. Book 3 Pages 350-367 Profile 336

LEGEND

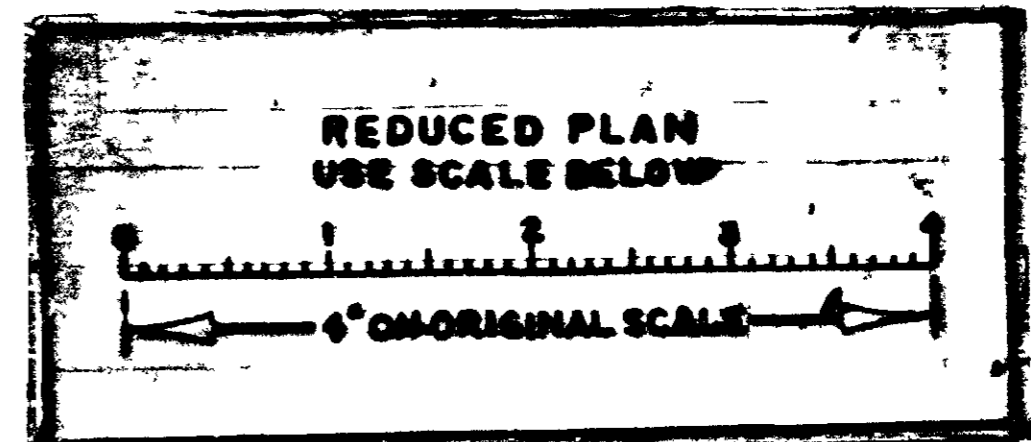
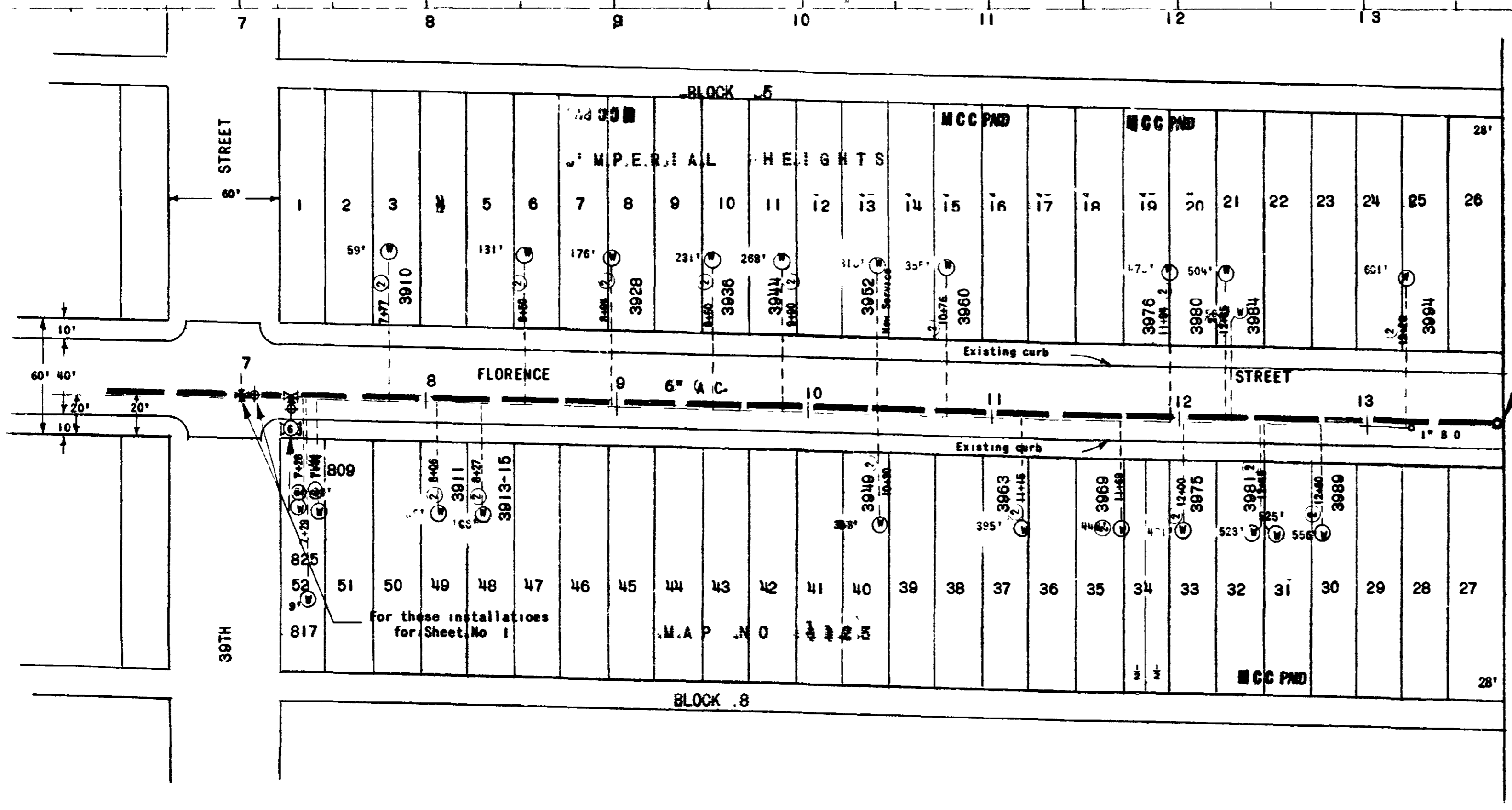
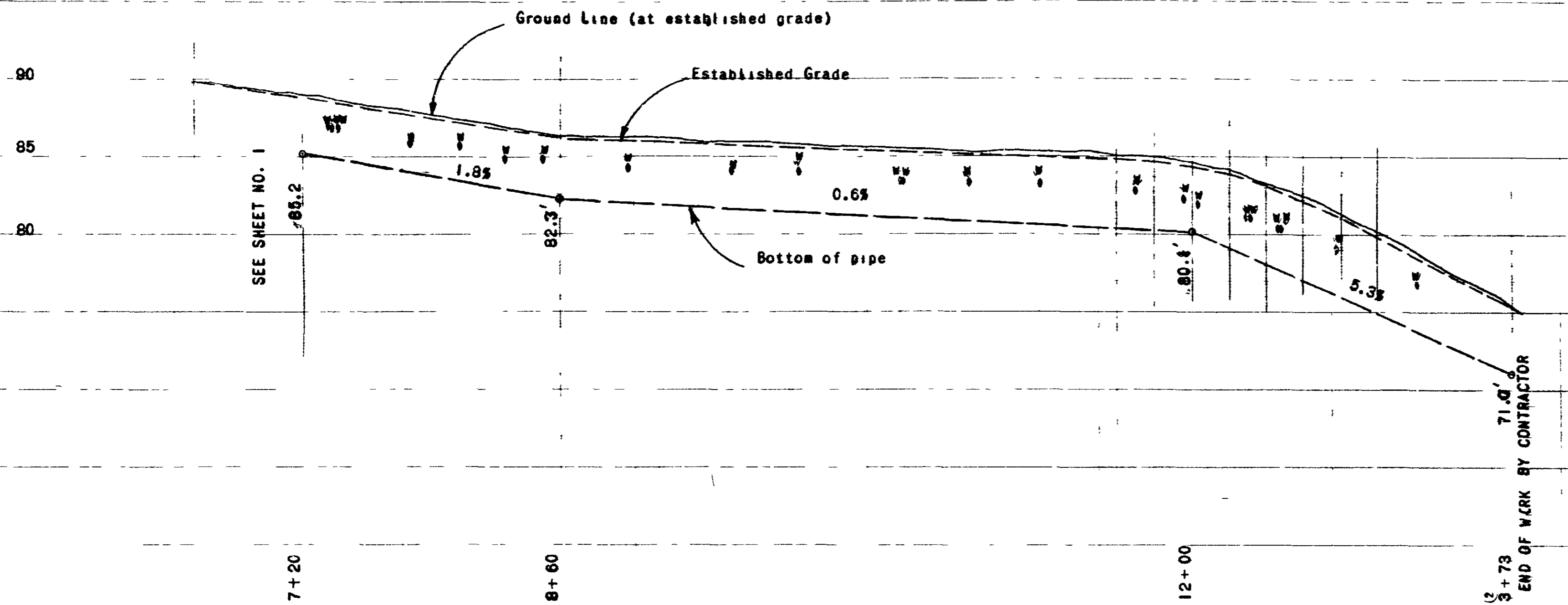
- Proposed water main
- Existing water main
- Sewer man hole
- Sewer main
- Gas main
- Water service lateral
- Fire hydrant assembly
- Gate valve
- Pavement shown hatched
- Blowoff



OFFICE CHECK	INITIAL	DATE
COUNTY SURVEYOR	CE	3-20-52
CULVERTS & DRAINS		
S. D. GAS & ELECTRIC CO. GAS	CE	3-17-52
S. D. GAS & ELECTRIC CO. ELEC.	RH	3-12-52
SEWERS	REL	1-10-52
STATE HIGHWAY		
STREET GRADES	VJW	3-10-52
TELEPHONE CO.	QJ	3-29-52
WATER DISTRIBUTION	FMD	4-11-52
PUBLIC WORKS	CCW	4-11-52
WATER ACCOUNTING		
DRAWING-CHECKED	W.H.	2-6-52



CITY OF SAN DIEGO CALIFORNIA WATER DEPARTMENT	
FLORENCE ST. 6" C MAIN FROM 38TH ST TO 40TH ST (DEAD END)	
RECOMMENDED	APPROVED
HYDRAULIC ENGINEER	DIRECTOR
DATE: JANUARY 1952	CITY: SAN DIEGO
DRAWN: RYTKO	FILE NO: 5559-W
SCALE: HORIZONTAL 1" = 50' VERTICAL 1" = 6'	
SHEET 1 OF 2 SHEETS	
AS BUILT SEPT 1952	



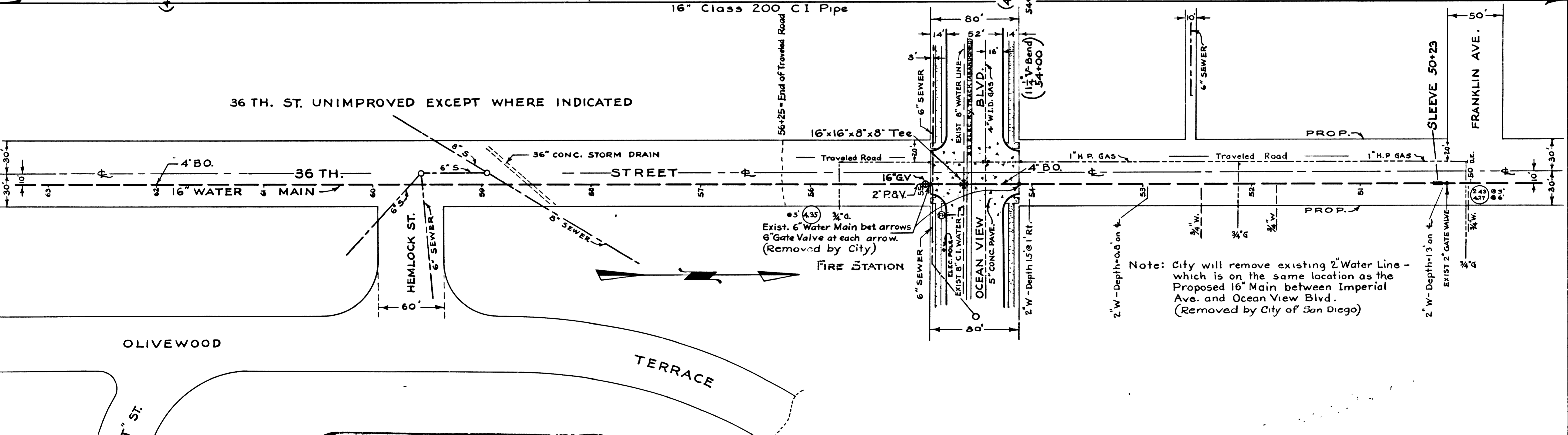
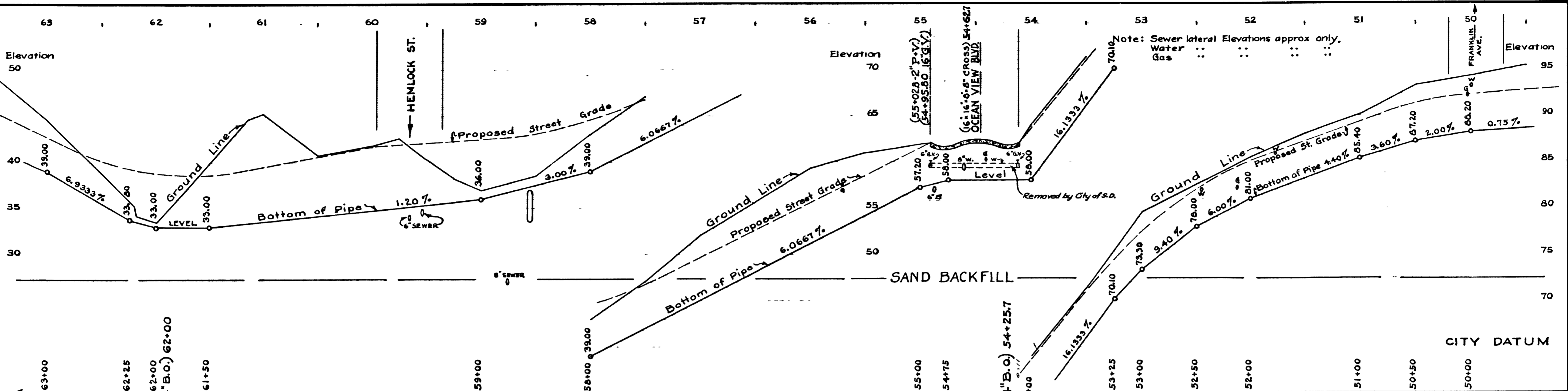
STA 13+73
1-2" B.O ASS'Y
1-6" CAP, TAPPED: 22"
1" B.O.

CITY PROPERTY

SPEC 26	
CITY OF SAN DIEGO CALIFORNIA WATER DEPARTMENT	
FLORENCE ST. 6" A.C. MAIN FROM 38TH ST. TO 40TH ST. (DEAD END)	
RECOMMENDED BY <i>[Signature]</i>	APPROVAL <i>[Signature]</i>
DATE: JANUARY 1962	DRAWN: BYTKO
SCALE: HORIZONTAL 1" = 60'	VERTICAL 1" = 6'
SHEET 2 OF 2 SHEETS	FILE NO. 5559-W

AS BUILT SEPT 1992 MICROFILMED

5559W
SHT 2



REDUCED PLAN
USE SCALE BELOW

4" ON ORIGINAL SCALE

CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

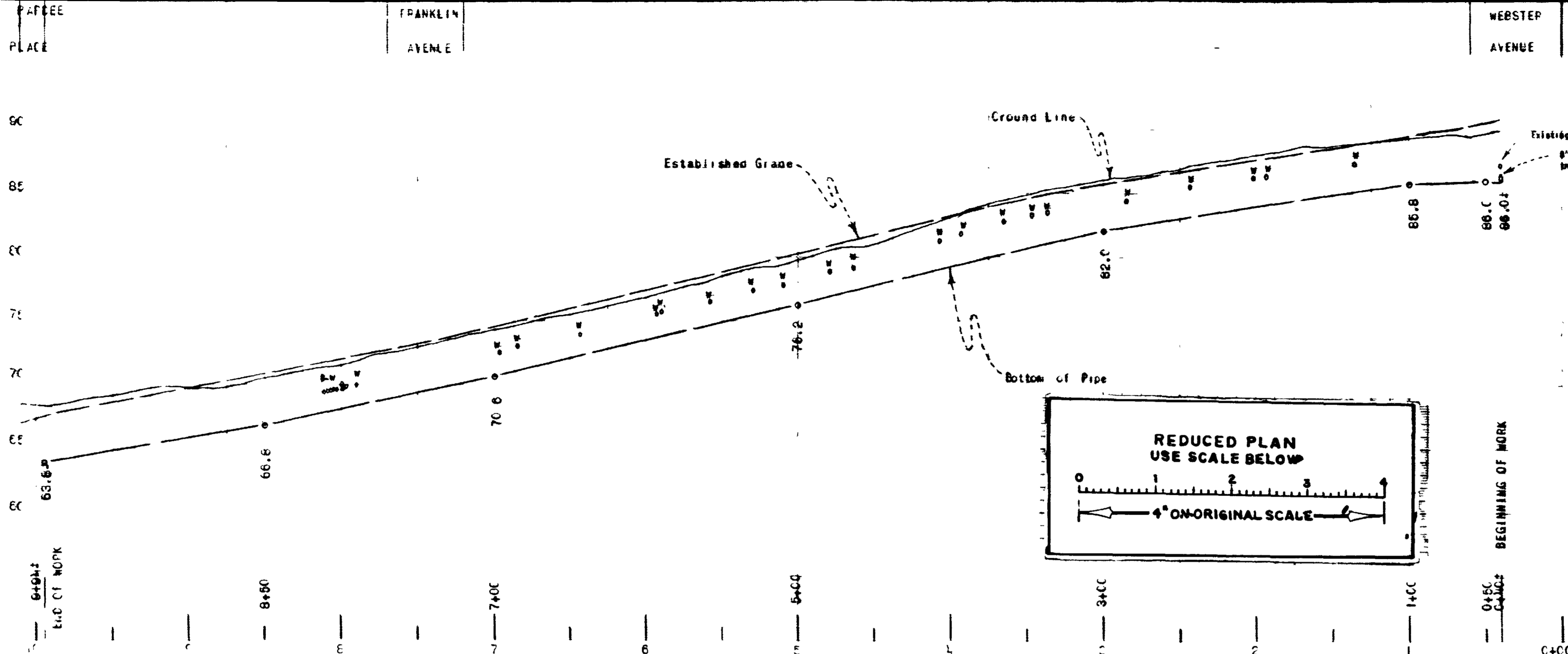
Edited to 6-26-42.
:: :: 12-29-42.
:: :: 3-17-43
12-1-43

Sheet 5 of 9 Sheets

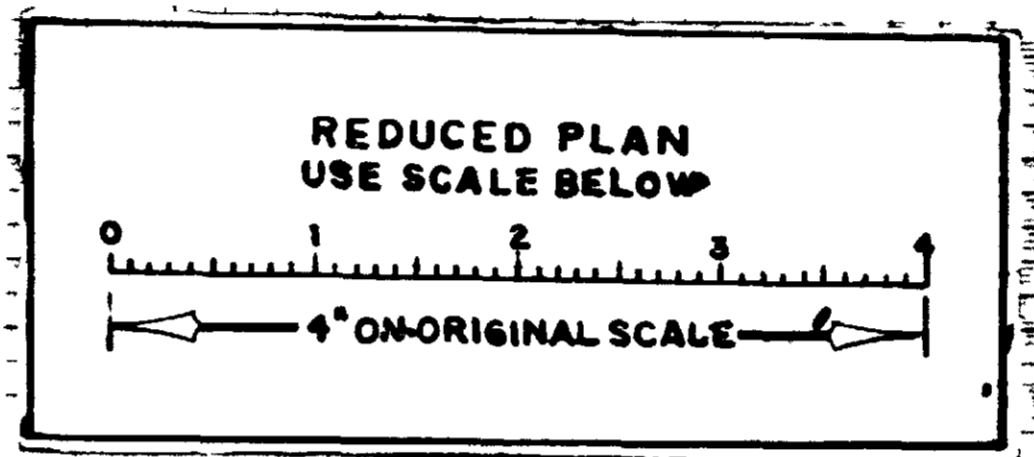
36 TH. STREET PIPE LINE
Scale 1" = 50' Oct. 1941

6177-L MICROFILMED

Drawn by W.H.
Traced .. G.Q.
Checked .. RB

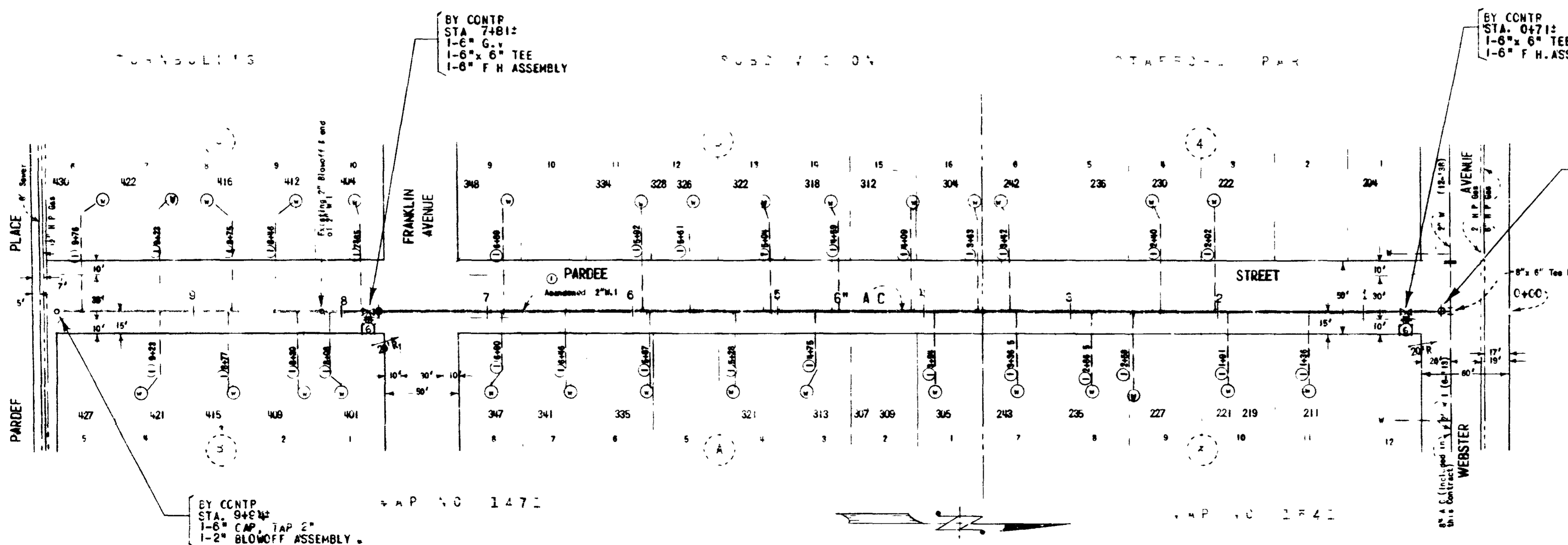


CONTRACTOR FRED SHOFNER
 CONSTRUCTED OCTOBER 29, 1954
 PIPE 6" ASBESTOS CEMENT
 CLASS 150-FURNISHED BY CITY
 VALVES & FITTINGS. VISUAL
 TEST PRESSURE WORK DONE BY CONTR. ON W.O 26624
 " " " CITY " " 26626



BENCH MARK
 B.M. - S.E. top F.H. 36th St & Ocean
 View Blvd.
 Elev. 64.24'

- LEGEND
- Proposed water main
 - Existing 2" W.I.
 - Existing 6" A.C. (included in this Contract)
 - Existing " & "
 - Water service lateral
 - Fire hydrant assembly
 - Gas main
 - Sewer main & manhole



BY CONTR
 STA. 7+81.2
 1-6" G.V.
 1-6" x 6" TEE
 1-6" F.H. ASSEMBLY

BY CONTR
 STA. 0+71.2
 1-6" x 6" TEE
 1-6" F.H. ASSEMBLY

BY CONTR
 STA. 0+45
 1-6" C.V.

BY CONTR
 STA. 9+24.2
 1-6" CAP, TAP 2"
 1-2" BLOWOFF ASSEMBLY

OFFICE CHECK	INITIAL	DATE
County Surveyor		
City Engineer	CRL	5/5/54
Gas Electric	GRW	4/27/54
Sewers	WDR	5/5/54
Street Trades	CJY	5/5/54
State Highway Telephone Co.	WES	9/23/54
Water Distribution	WDR	5/11/54
Public Works	WDR	5/11/54
Field (City Eng.)	EFG	5/7/54

SPEC NO. 61

CITY OF SAN DIEGO CALIFORNIA
 WATER DEPARTMENT

SMALL WATER MAIN REPLACEMENTS 1953-54
 PARDEE STREET SOUTH 6" A.C. MAIN
 WEBSTER AVENUE TO SOUTH TERMINUS
 OR N/2 OF PARDEE PLACE

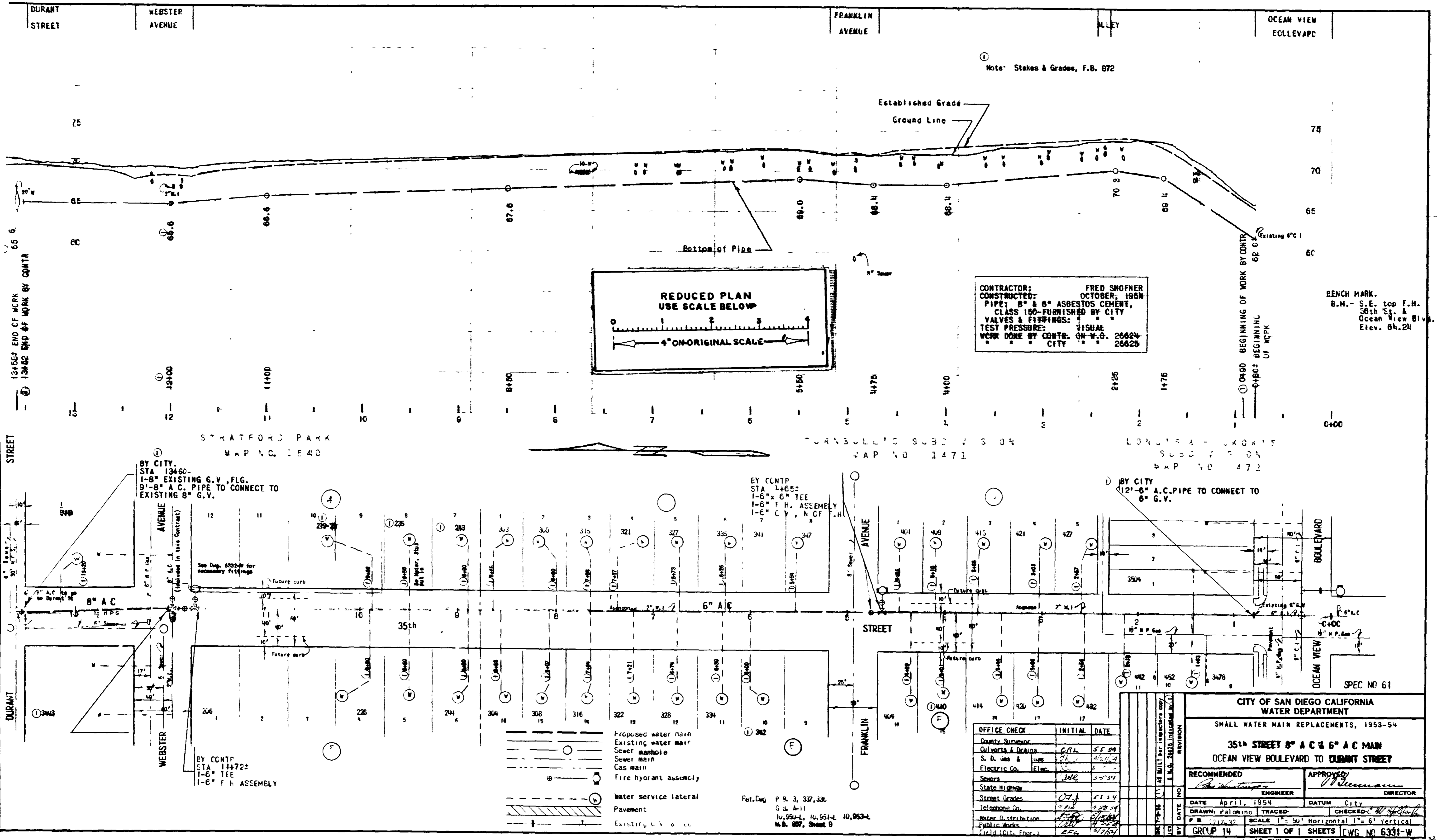
RECOMMENDED: *[Signature]* ENGINEER
 APPROVED: *[Signature]* DIRECTOR

DATE: April 1954
 DATUM: City

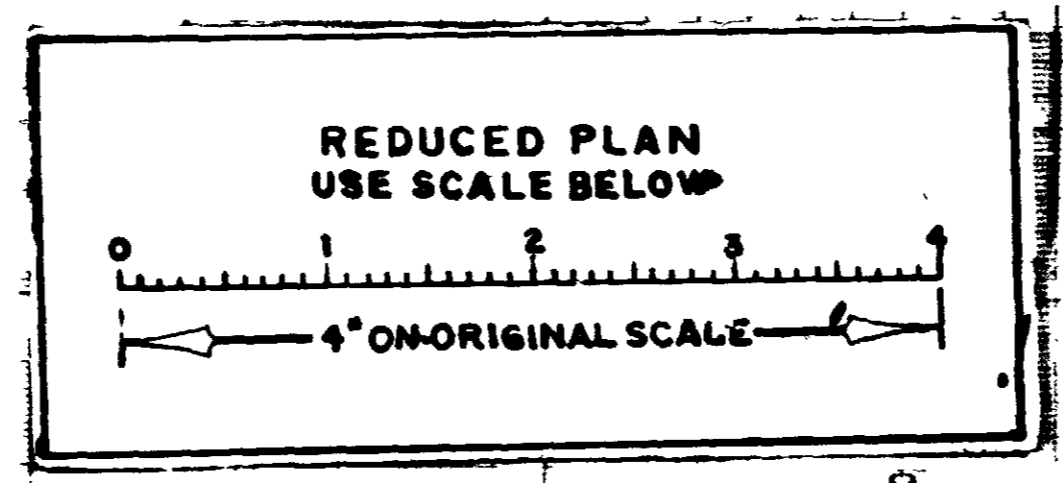
DRAWN: *[Signature]* TRACED: *[Signature]* CHECKED: *[Signature]*

SCALE: 1" = 30' HORIZONTAL 1" = 6' VERTICAL

GROUP 14 SHEET 1 OF 1 SHEETS DWG NO. 6330-W
 AS BUILT JULY 1955



CONTRACTOR: FRED SHOENER
 CONSTRUCTED: OCTOBER, 1954
 PIPE: 8" & 6" ASBESTOS CEMENT,
 CLASS 150-FURNISHED BY CITY
 VALVES & FITTINGS: VISUAL
 TEST PRESSURE: 150 PSI
 WORK DONE BY CONTR. ON W.O. 26624
 CITY W.O. 26625



OFFICE CHECK	INITIAL	DATE
County Surveyor		
Culverts & Drains	CRL	5-5-54
S. D. Gas & Light	SL	4/21/54
Electric Co.	EL	
Sewers	SEC	5-5-54
State Highway		
Street Grades	OTJ	5-5-54
Telephone Co.		
Water Distribution		
Public Works		
Field (City Eng.)	EE	4/27/54

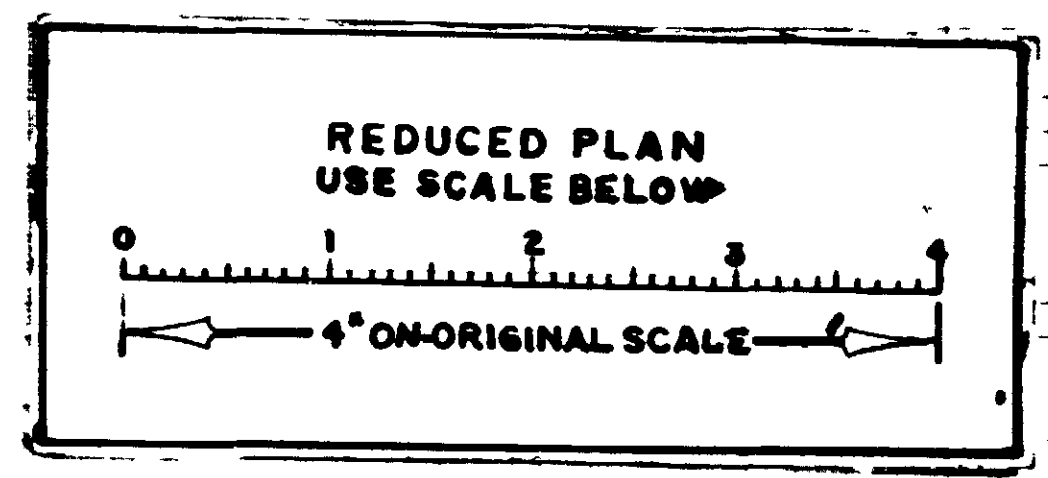
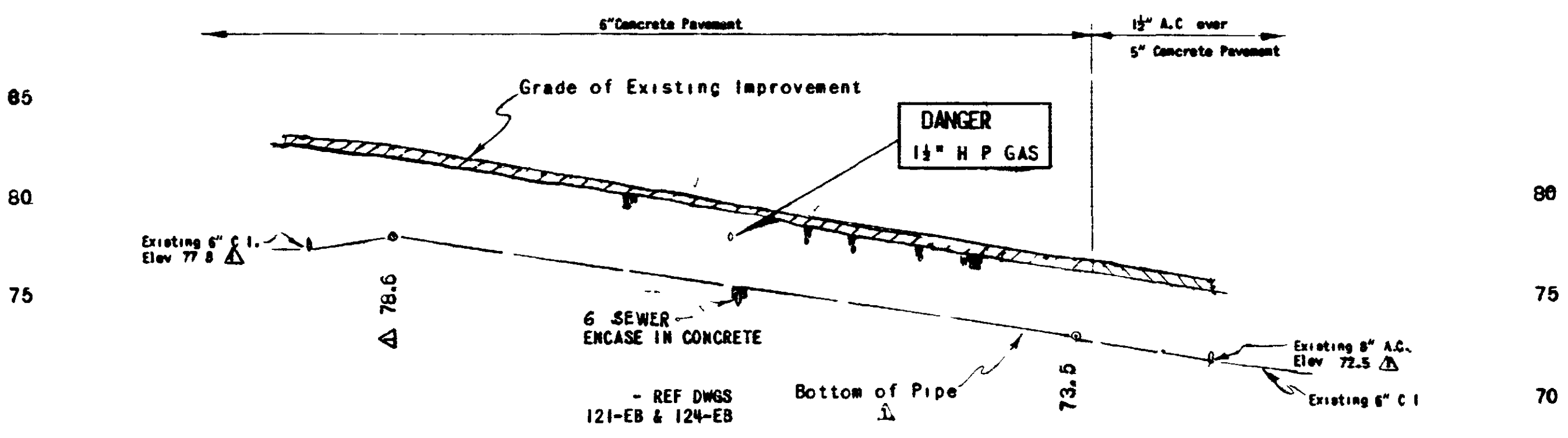
**CITY OF SAN DIEGO
WATER DEPARTMENT**

SMALL WATER MAIN REPLACEMENTS, 1953-54

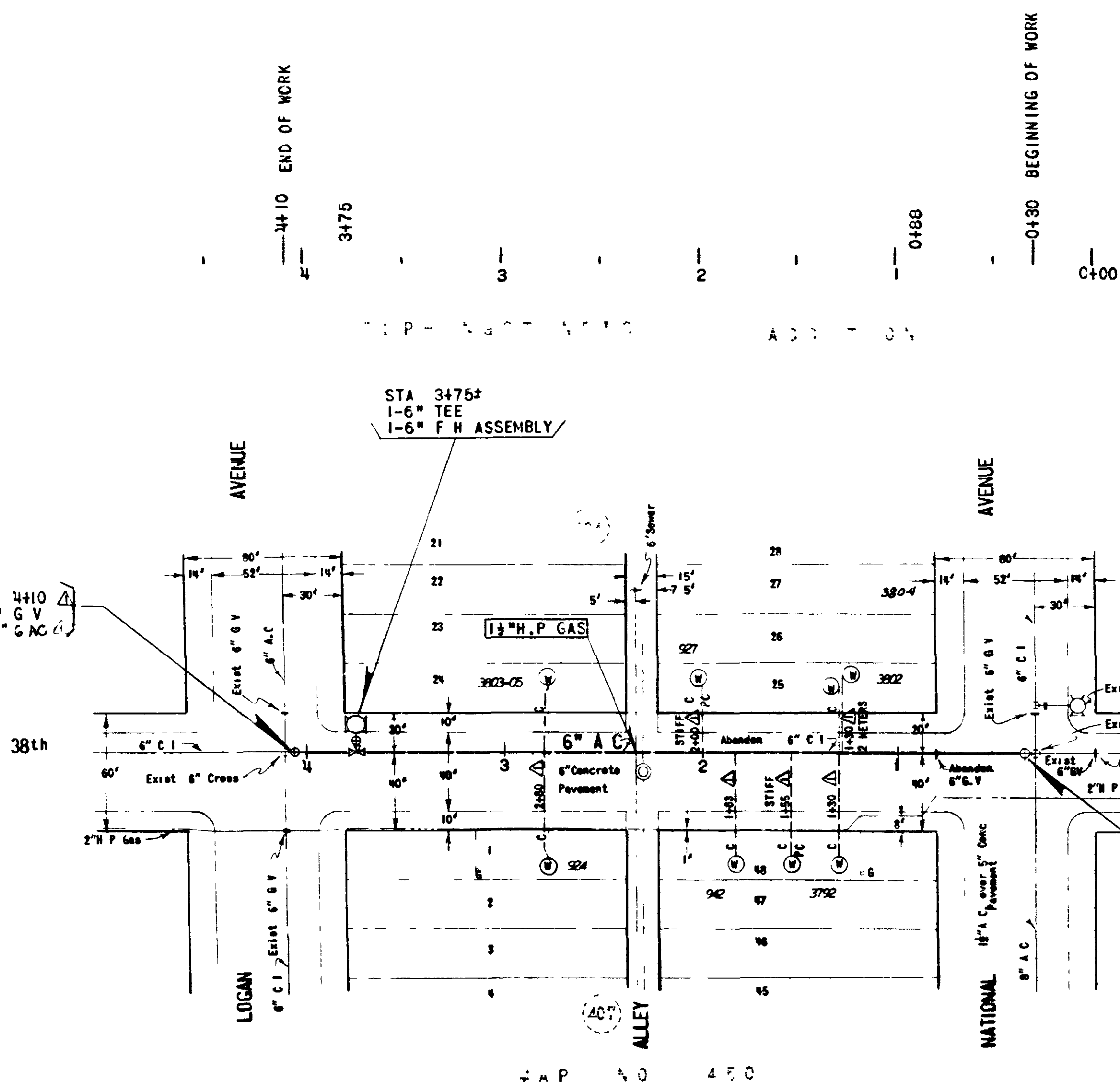
**35th STREET 8" A.C. & 6" A.C. MAIN
OCEAN VIEW BOULEVARD TO DURANT STREET**

RECOMMENDED <i>[Signature]</i> ENGINEER	APPROVED <i>[Signature]</i> DIRECTOR
DATE: April, 1954	DATUM: City
DRAWN: Palomino	CHECKED: <i>[Signature]</i>
GROUP 14	SHEET 1 OF 1 SHEETS [CWG NO 6331-W]
AS BUILT JULY 1955	

CONTRACTOR CITY FORCE
 CONSTRUCTED 5-6-57
 PIPE 6" A C (Century Fluid-tite)
 FITTINGS. G V (Rensselaer)
 SOIL Clay
 BACKFILL. Sandy material
 STAKED March 29, 1957 1-24
 TESTED Visual Test @ 225 psi 4-29-57
 WORK DONE BY CITY FORCE ON W O 57442



- LEGEND
- Proposed water main, tee & gate valve
 - Existing water main, cross, tee & G V
 - Water service lateral
 - Fire hydrant assembly
 - Pavement
 - Gas main
 - Sewer main & manhole



References

- Water & Sewer Bk. 3, Sht. 372, 373
- Gas Bk 10, Shts. 453, 454
- Profile Sht. #1641
- Gate Bk. Pg. A-9
- 1666-L
- 5787-L
- Retirement.
- 6" C.I. 380' 1915

OFFICE CHECK		INITIAL	DATE
County Surveyor			
Culverts & Drains		GRL	8-3
SD Gas & Electric Co.	Gas	JRW	7-9-56
	Elec	RBS	8-2-56
Sewers			
State Highway			
Street Grades			8-3-56
Telephone Co			8-14
Water Distribution			8-16-56
Public Works DIVISION			8-2
Field (City Engr.)			8-2-56

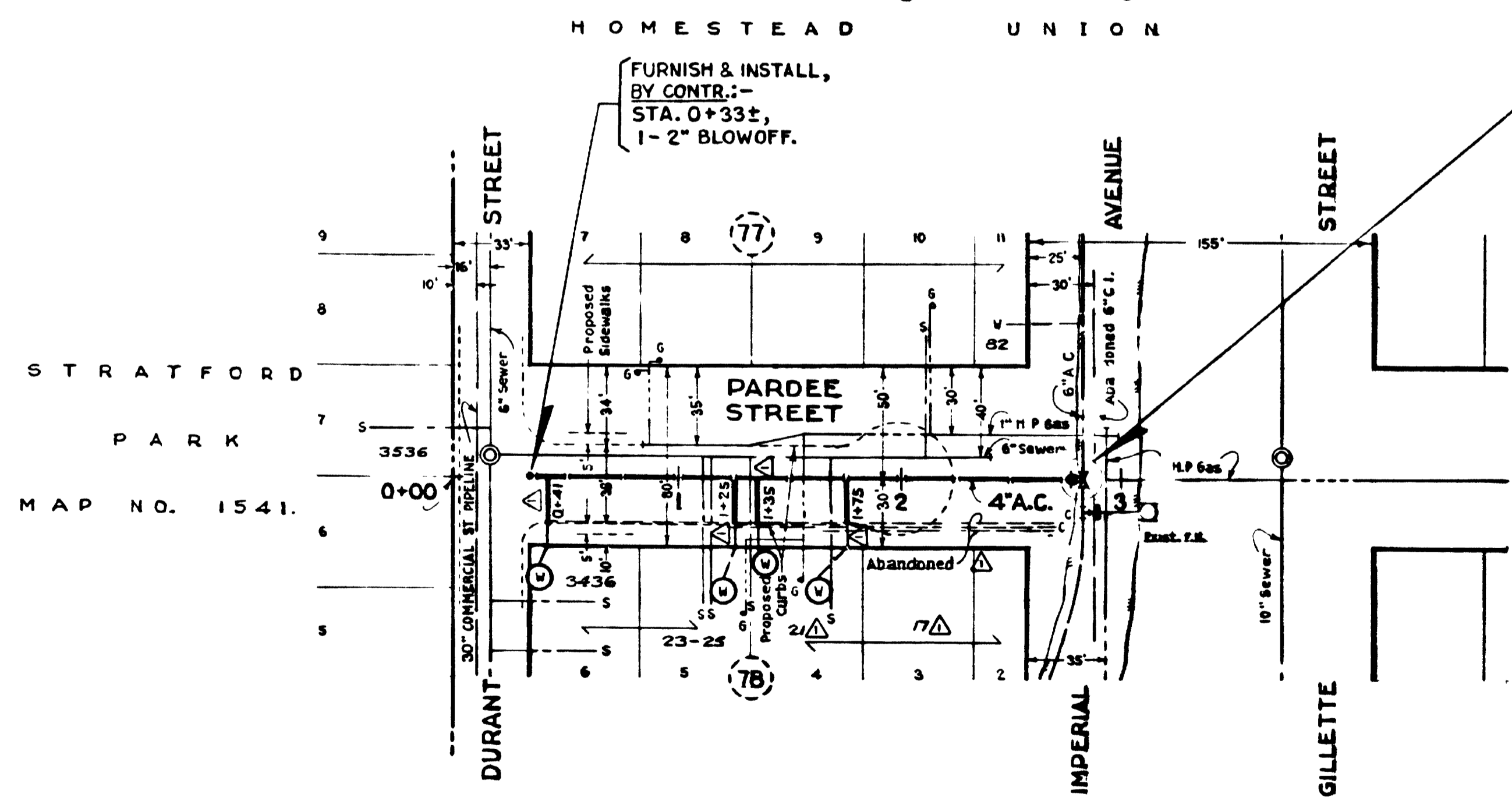
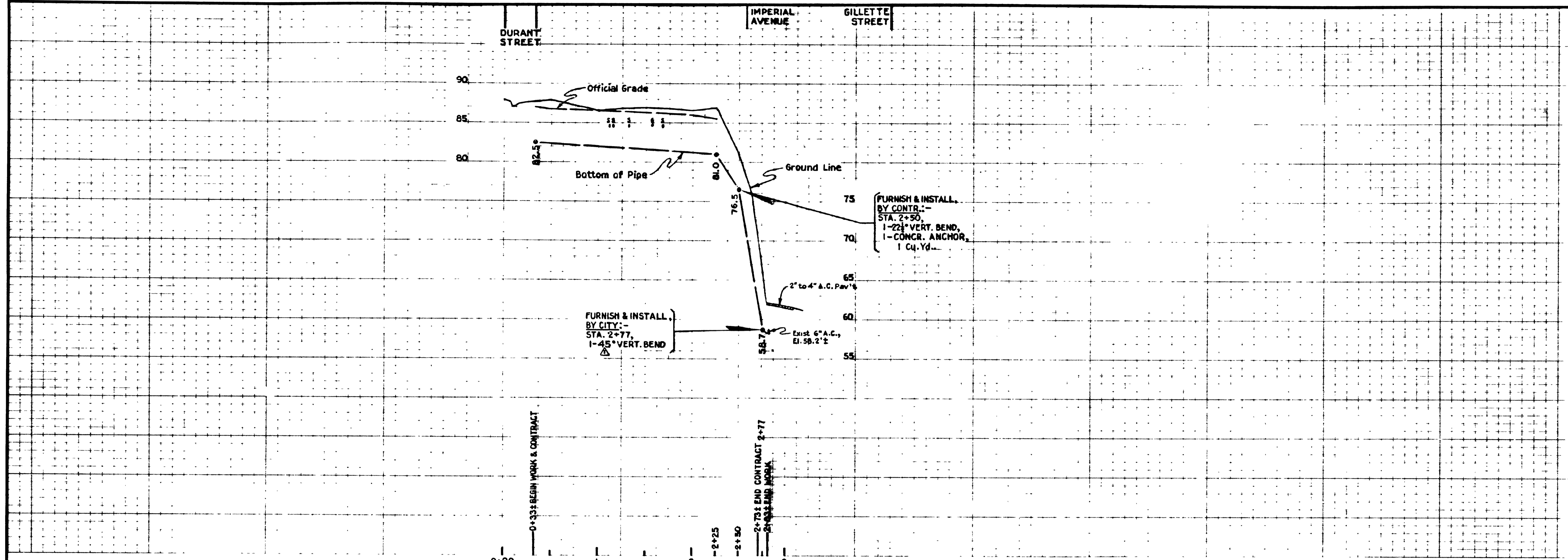
CITY FORCE

CITY OF SAN DIEGO CALIFORNIA
 WATER DEPARTMENT
 CAST IRON WATER MAIN REPLACEMENTS, 1956-57
 38th STREET 6" A C MAIN
 NATIONAL AVENUE TO LOGAN AVENUE

RECOMMENDED <i>W.C. Brown</i> ENGINEER	APPROVED <i>W. Beermann</i> DIRECTOR
DATE: June 11, 1956	DATUM City
DRAWN: J Gray	TRACED: <i>[Signature]</i>
SCALE 1" = 50' Horizontal 1" = 6' Vertical	
GROUP 104	SHEET 1 OF 1 SHEETS
DWG NO 7295-W	

AS BUILT

NATIONAL AVENUE TO LOGAN AVENUE 38TH ST



FURNISH & INSTALL, BY CITY: - STA. 2+83±, 1-2" BLOWOFF.

FURNISH & INSTALL, BY CITY: - STA. 2+83±, 1-6"x4" TAPPING SLEEVE, & 1-4" TAP. G.V., RENSSLAER. Δ, CONNECTED WITH: - 1-4" 45° BEND (VERTICAL), Δ, 10' - 4" A.C. PIPE,

AS BUILT DATA
 CONSTRUCTED BY: - W.W. HUTCHISON CO., INC.,
 W.O. 11204 (CONST), W.O. 48174 (ENGR.),
 PIPE: - 4" A.C., J.M.; RINGTITE,
 GATE VALVES: - NONE,
 SOIL: - SANDY LOAM, NO ROCK,
 STAKED: - 3-14-60, F.N. I-23,
 TESTED: - 4-1-60, 225 P.S.I.,
 BACKFILL: - SAME SOIL.
 CONNECTIONS BY: - CITY FORCE,
 W.O. 11205,
 PIPE: - 4" A.C.,
 GATE VALVES: - RENSSLAER (TAPPING).

BENCH MARK: - (City Datum),
 TBM - S.E. Top F.N., 38th St. &
 Imperial Ave., El. 97.88'

References: -
 Water Bk., Sht. I-23-A;
 Sewer Bk. 2, Sht. 154;
 Sewer Bk. 3, Sht. 336;
 Gate Bk. A-11;
 Gas Bk. 5, Shts. 302, 303;
 #14 555-L, OR. 113, (Water);
 # -D, (Improvements).

Retirement: -
 None.

(1911 Act - Paving)

I-2223

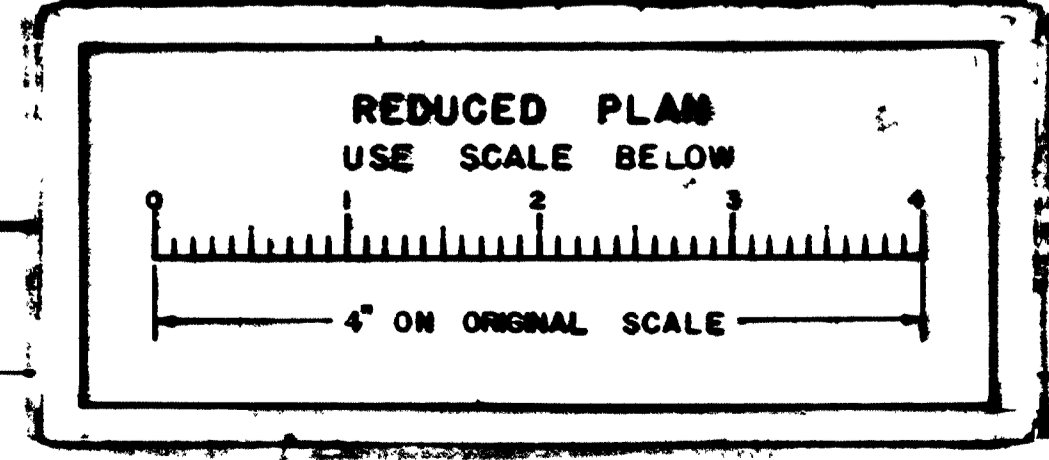
GROUP 219

ENGINEERING W.O. 48174

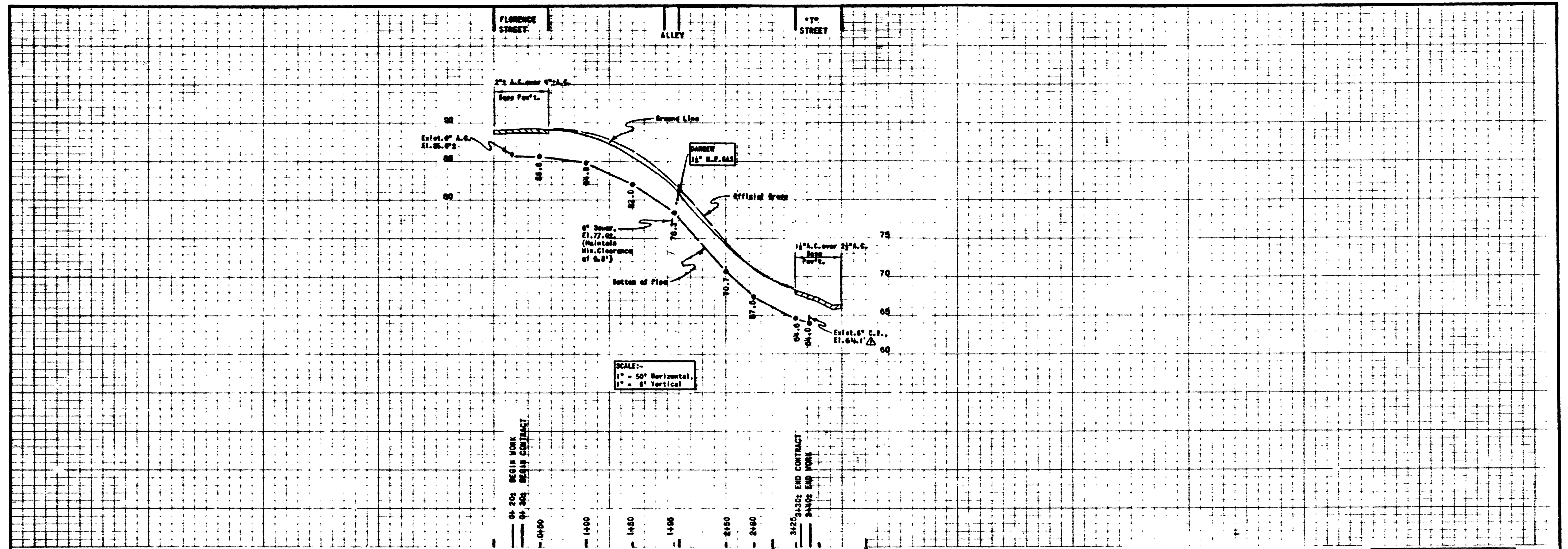
PARDEE STREET 4" A.C. MAIN

DURANT STREET TO IMPERIAL AVENUE

CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 10 OF 12 SHEETS		8749-W
PLAN	REVISION	APPROVAL	DATE	
CHANGE	BY	DATE		
AS BUILT - FOR INSPECTOR'S USE ONLY	DATE COMPLETED	APPROVALS FOR	DATE	JOB CITY ENGINEER AND OFFICE ENGINEER
CONTR. (SEE ABOVE)	IMP.L.A. BOYS	WATER DEPT.		CHECKED
FIELD BOOK NONE		PLANNING DEPT.		SUPERVISOR
		ELECTRICAL		MARSHALL
		STRUCTURAL		CHECKED
		TRAFFIC		DESIGNED BY: ROCKY
				DESIGNED: 10-28-58
				8577-D

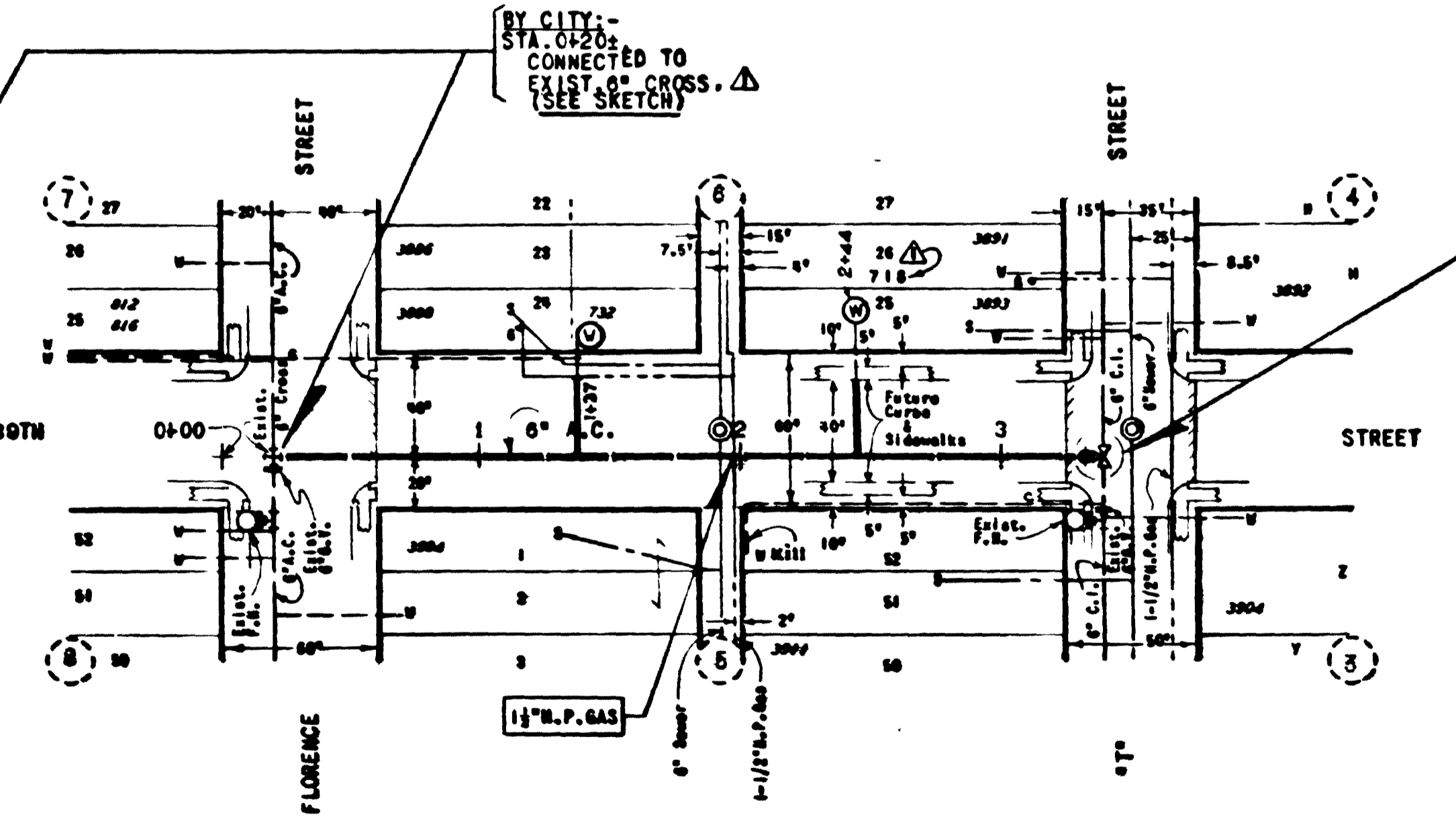
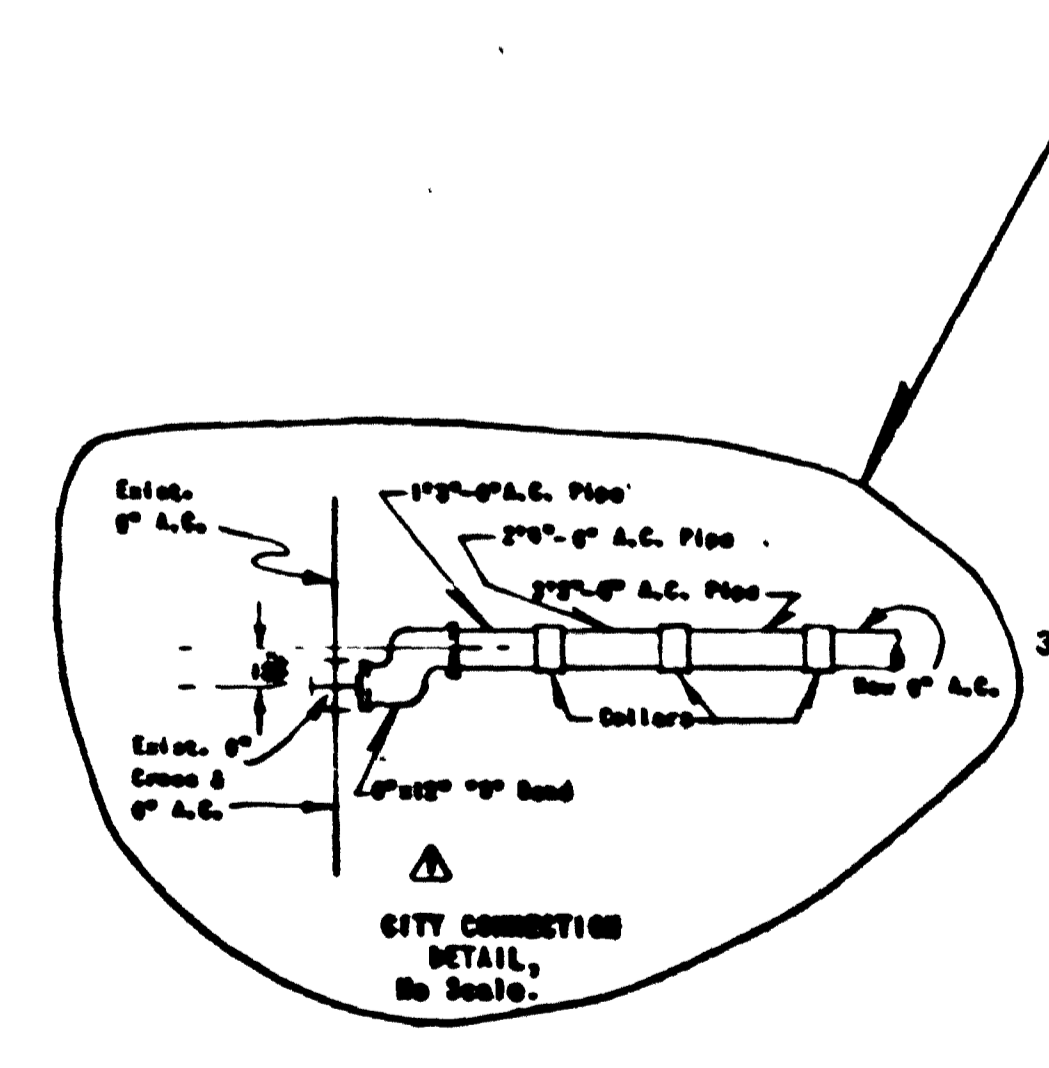


PARDEE STREET



SCALE:-
 1" = 50' Horizontal,
 1" = 5' Vertical

0+00 0+50 1+00 1+50 2+00 2+50 3+00 3+25
 IMPERIAL HEIGHTS



FURNISH & INSTALL,
 BY CITY:-
 STA. 3+300 (N.H.V.B.F.)
 STA. 3+300 (SHACKLED TO TEE)
 1-6\"/>

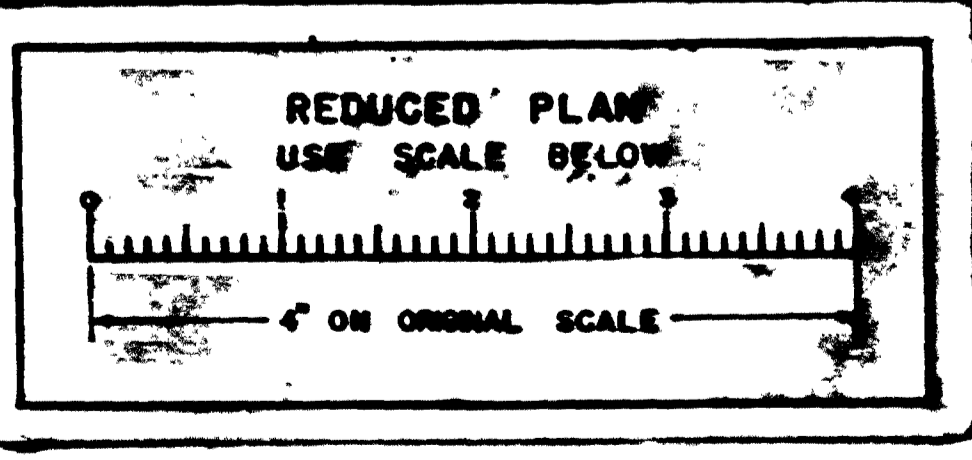
AS BUILT DATA
 CONSTRUCTED BY:- R.M.SS. Engr. Co.-tr's,
 W.O. 16406 (CONSTR.), W.O. 48227 (ENGR.),
 PIPE: 1 1/2\"/>

GATE VALVES: None
 SOIL: Granular
 STAKED: 8-22-61, F.R. 1-28-6
 TESTED: 8-22-61, 0225 P.S.I.
 BACKFILL: Native
 NOTE: Include "CONSTRUCTION RECORD".
 CONNECTIONS BY:- CITY FORCE,
 W.O. 10966
 PIPE: A.C.
 GATE VALVES: N.H.V.B.F.

BENCH MARKS:- (City Datum)
 BM - S.E., B.P., 38th St. &
 7th St., El. 91.89'.
 T.B.M. - N.E., 7th & T., Florence
 St. & 39th St. Elev. 89.00.

REFERENCES:-
 Water Rack 15, Sht. 1-23-C,
 Sewer Rk. 3, Sht. 356-57,
 Gas Rk. 10, Shts. 402-3-5-6,
 Gate Bk. A-D,
 #5558-W, Sch. "B", Sec. 1 (Water),
 #12, 010-L (Improvements),
 #12, 006-L
 #10, 083-D (1911 Act).

RETIREMENT:-
 None.



(191 Act - Paving)

GROUP 223
 39TH STREET 6\"/>

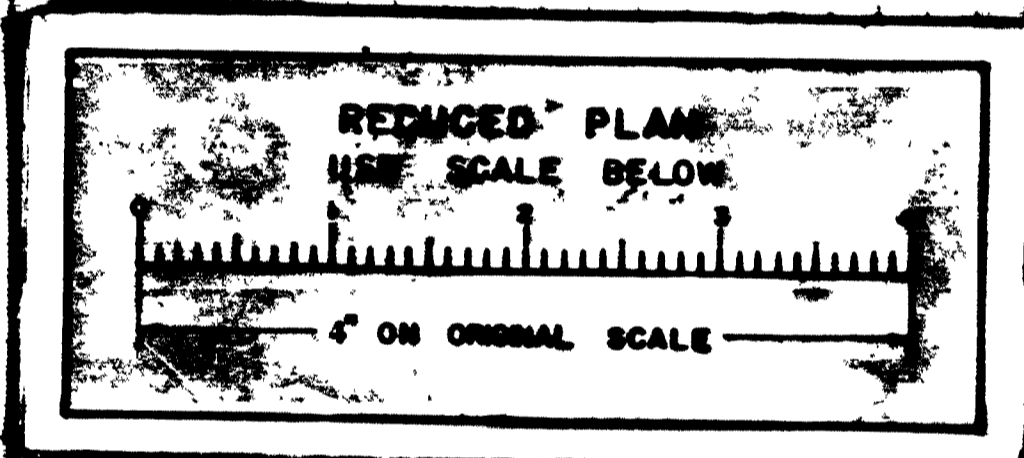
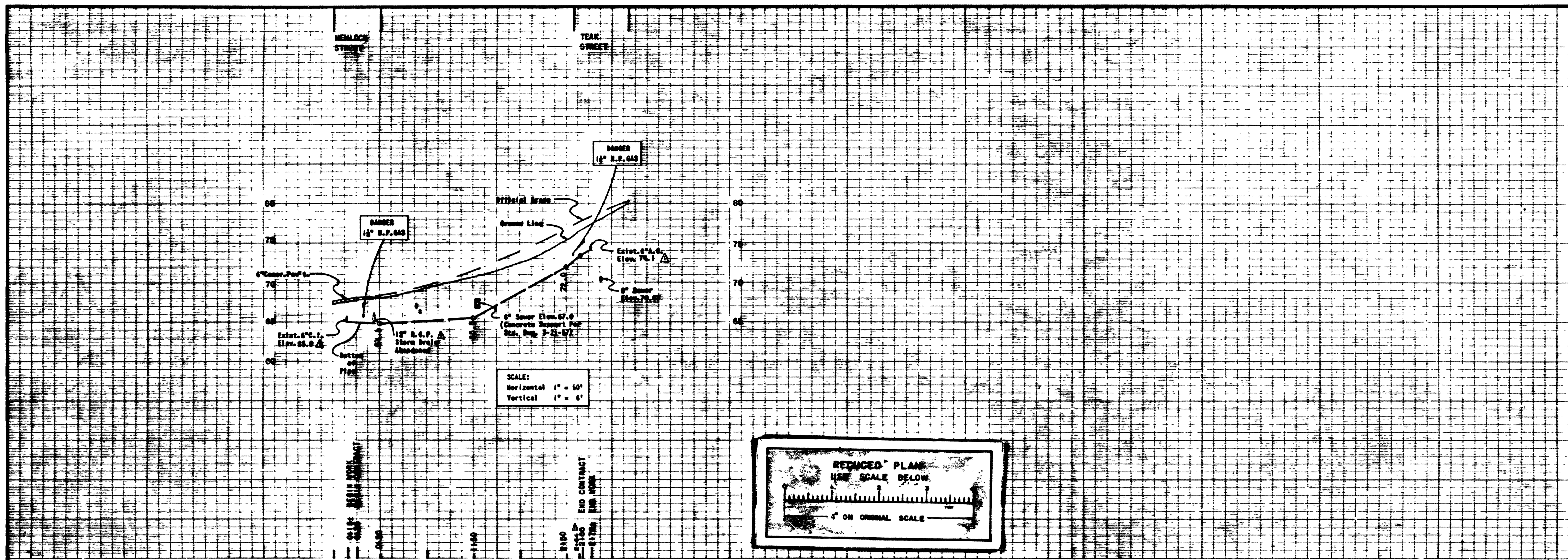
ENGINEERING
 W.O. 48227

CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 10 OF 19 SHEETS	
PLAN REVISION	BY	DATE	APPROVAL
CHANGE	BY	DATE	APPROVAL
DATE ISSUED	DATE COMPLETED	APPROVALS FOR	
CONTRACT RECORD	WATER DEPT.	SEWERAGE	ASST. CITY ENGINEER AND OFFICE ENGINEER
PLANNING DEPT.	DRAINAGE	HIGHWAY	SUPERVISOR
ELECTRICAL	TRAFFIC	GRADERS	CHECKER
STRUCTURAL	CONTROL	TRAFFIC	DESKED
FIELD BOOK	FILE	(Dist. 1-28-6)	10,136-10-D

SCALE: 1" = 50'

AS BUILT MICROFILMED INDEXED

39th STREET



SCALE:
Horizontal 1" = 50'
Vertical 1" = 5'

TRAFFIC NOTE:
MAINTAIN 2 WAY TRAFFIC AT ALL TIMES.

AS BUILT DATA
 CONSTRUCTED BY:- R.N. & S. ENGR. CONTR.
 U.O. 19994 (CONSTR.), U.O. 48278 (ENGR.),
 PIPE: K & H "FLUID-TITE"
 GATE VALVES: None
 SOIL: Granular
 STAKES: 7-16-62
 TESTED: 7-25-62
 BACKFILL: Native
 NOTE: include "CONSTRUCTION RECORD"
 CONNECTIONS BY:- CITY FORCE,
 U.O. 19995
 PIPE: A.C. & C.I.
 GATE VALVES: Mueller, Rich

BENCH MARKS: (City Datum)
 T.S.M. N.E. 7th L. & T. Florence & 30th
 Elev. 80.00
 T.S.M. S.W. 7th L. & T. 30th & Teak
 Elev. 77.84

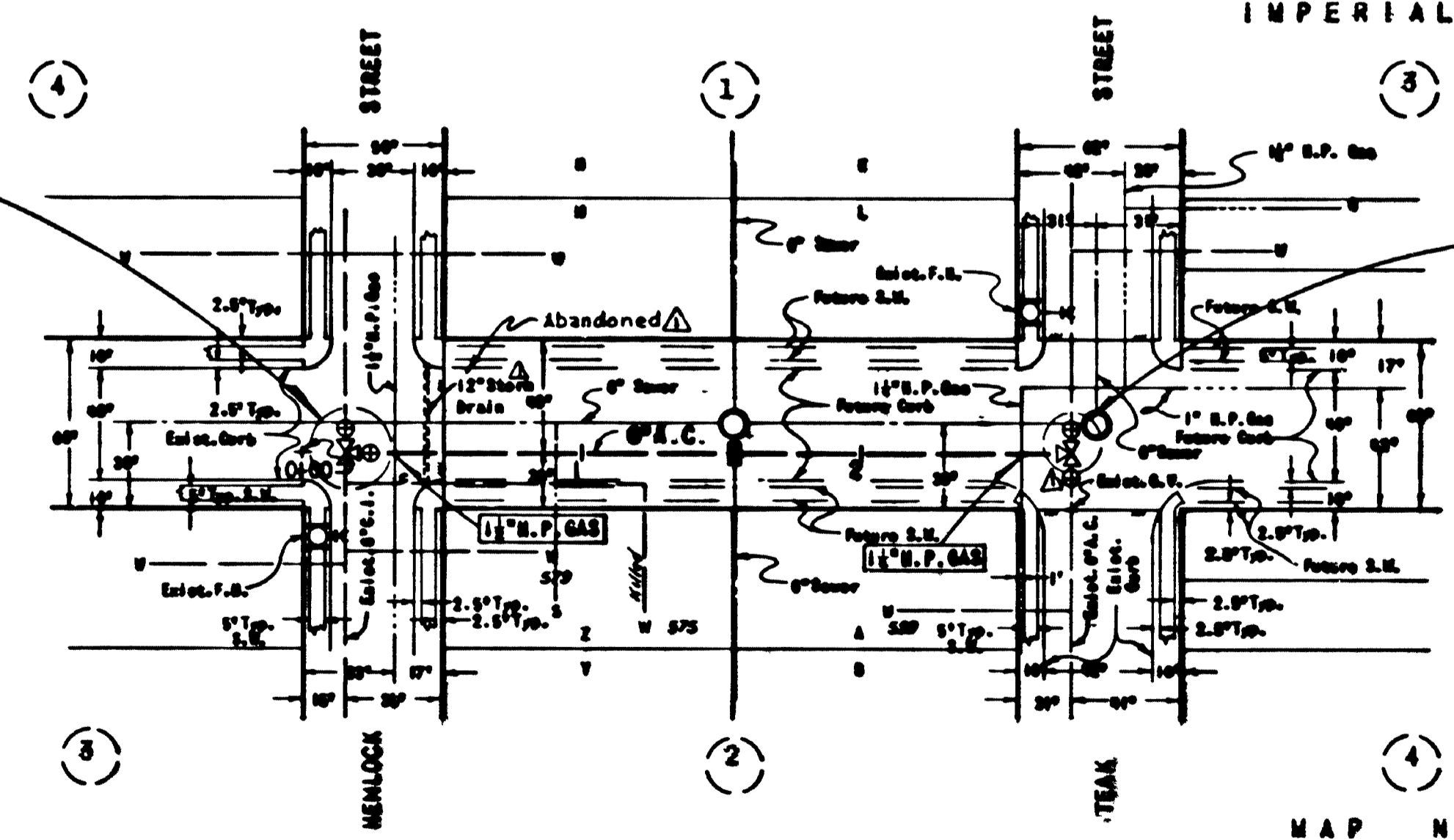
REFERENCES:
 Water Rk. 14, Sht. 1-23-C
 Sewer Rk. 3, Sht. 256, 357
 Gas Rk. 10, Sht. 208, 408, 401, 401B,
 401C
 Gate Rk. A-18

DRAWINGS:
 2822-L, 5328-L, 10083-L (Improv.)
 10413-1-D & -2-D (Future Paving)

RETIREMENTS:
 None

FURNISH & INSTALL,
 BY CITY:-
 STA. 0+15 to
 1-0" TEE
 RICH (10 TURNS) 1-0" G.V. N'LT.
 STA. 0+15 to
 MUELLER (20 TURNS) 7'-8" A.C. PIPE
 2'-2" 8" C.I. PIPE

FURNISH & INSTALL,
 BY CITY:-
 STA. 2+76 to
 1-0" TEE
 STA. 2+76 to
 1-0" G.V. N'LT.
 1-0" G.V. 2' RT.
 RICH (10 TURNS) 1-0" G.V. N'LT.
 8'-0" 8" A.C. PIPE



MAP NO. 1499

MAP NO. 1123

SCALE: 1" = 50'

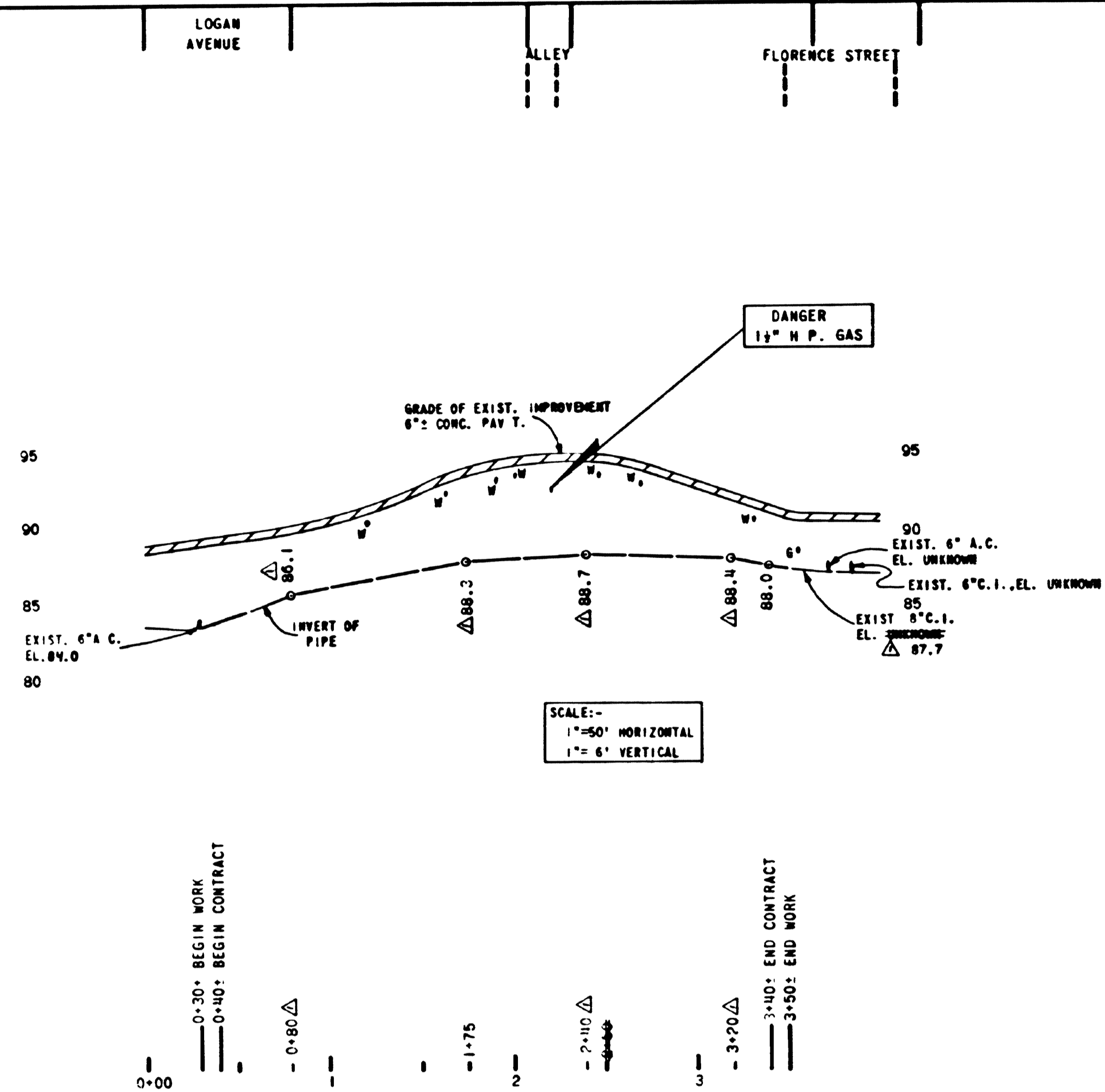
GROUP 227 30TH STREET 6" A.C. MAIN Henlock Street to Teak Street		ENGINEERING U.O. 48278
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 2 OF 8 SHEETS
PLAN REVISION		
AS BUILT: per loc.	DATE: 11/2/62	APPROVALS FOR
Field & C.F. Notes UO 3-4-61	DATE: 3-4-61	WATER DIV.
7-16-62	7-23-62	SEWERAGE
CONTR. R.N. & S. ENGR. CONTR. MARTELL	DATE: 1-23	PLANNING DEPT.
FIELD BOOK 1-23		DRAINAGE
		ROADWAY
		BRIDGE
		TRAFFIC
		CONTROL
		CORROSY: KLEE
		KLEE: MARIANOCHI
		10446-2-D

AS BUILT

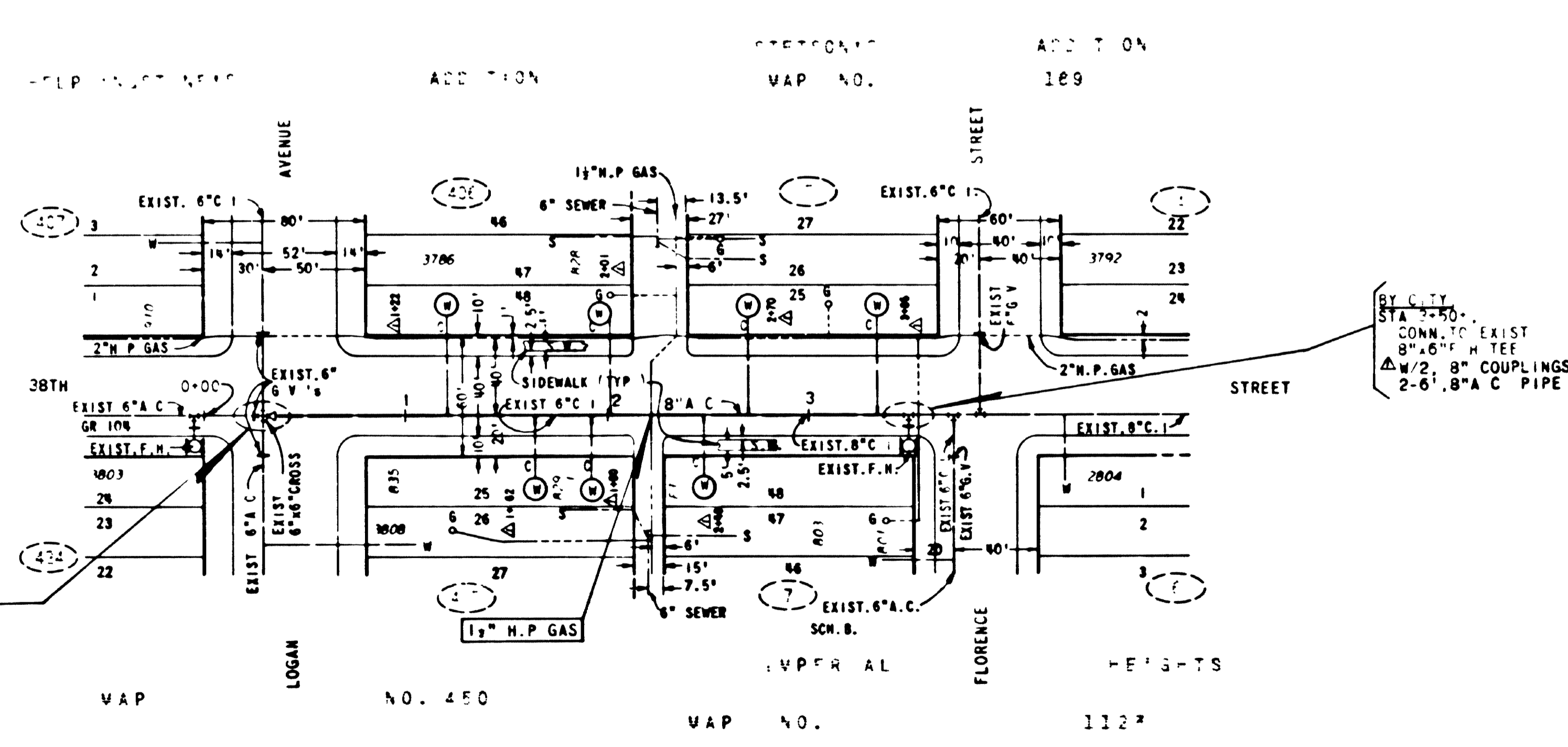
MICROFILMED

APR -- 1963

39th ST.



SCALE:-
1"=50' HORIZONTAL
1"= 6' VERTICAL



FURNISH & INSTALL BY CITY STA. 0+33:
1-8" x 6" REDUCER CONN TO EXIST.
6" x 6" CROSS
Δ W/ 12" 6" AC NIPPLE
10" 7" 8" AC PIPE
2-8" AC COUPLINGS

BY CITY STA. 2+50:
CONN. TO EXIST.
8" x 6" W TEE
Δ W/ 2 8" COUPLINGS
2-6" 8" A C PIPE

AS BUILT DATA
CONSTRUCTED BY - M. ARRIETA
W.O. 13074 (CONSTR) W.O. 48387 (ENGR)
PIPE, CERTAINTIED A.C.
(Kind)
GATE VALVES NONE
(Kind)
SO. SANDY LOAM
(Kind)
STAKED 5-3-66
(Date)
TESTED 6-10-66
(Date)
BACKFILL NATIVE
(Kind)
Note include "CONSTRUCTION RECORD"
CONNECTIONS BY:- CITY FORCE
W.O. 13075
PIPE 8" A.C.
GATE VALVES NONE

BENCH MARKS MEAN SEA LEVEL DATUM
B.M. JESP 38TH ST. 5 NATIONAL AVE. EL. 42.65
B.M. 588P 38TH ST. 6 1/2' S. EL. 78.00

REFERENCES
GATE BOOK 1-23
SEWER 1944-734
GAS B.M. 10' SHTS 195, 402, 406, 407, 453, 454
IMPROVEMENTS 3853, 1996
3989-L 5913-L 2443-D 7295-W
5559-W
FIELD NOTES 144-1733

REVISIONS
20' - A.C. L. 9.5
300' - A.C. L. 1.0

GROUP 148 THIRTY EIGHT STREET 8" A.C. MAIN Logan Avenue To 25' South Of Florence Street	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 10 OF 17 SHEETS	W.O. 48387 NO.
DATE 1966	DATE 1966
DESCRIPTION BY APPROVED DATE FILED ORIGINAL MADE L.L./M.A. 2/17/66 DATE L.L./M.A. 2/17/66 DATE L.L./M.A. 2/17/66	DATE 1966
CONTRACTOR M. ARRIETA INSPECTOR L.J. BOTS	DATE STARTED 5-2-66 DATE COMPLETED 6-10-66
196-1733	12202-10-D

SCALE: 1"=50'

AS-BUILT

38TH STREET LOGAN AVE. TO 25' SOUTH OF FLORENCE ST.

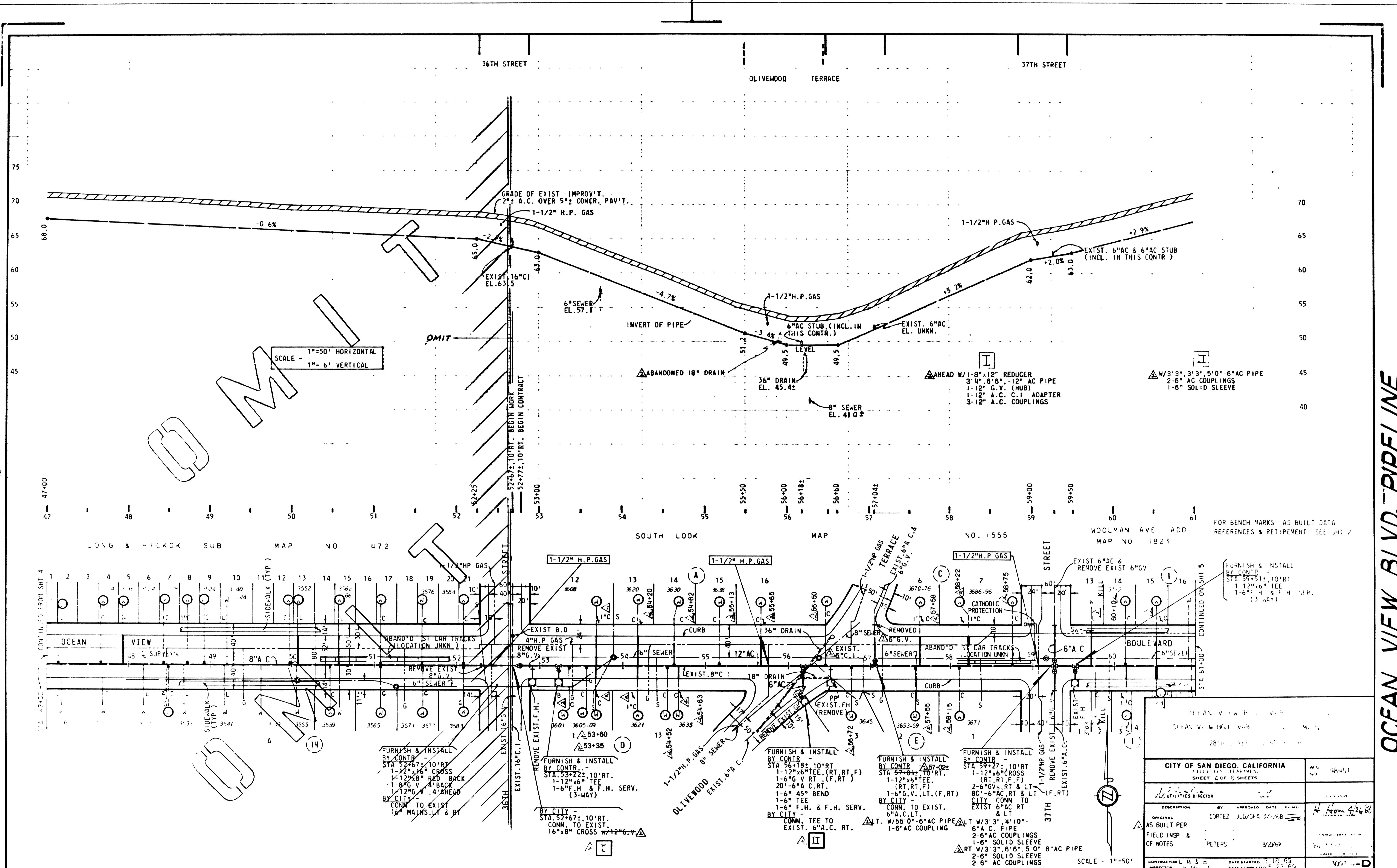
INDEXED

1"=20'

1"=10'

1"=30'

REDUCTION



SCALE -
1"=50' HORIZONTAL
1"= 6' VERTICAL

LONG & HICKOK SUB MAP NO 472

SOUTH LOOK MAP

NO. 1555

WOOLMAN AVE ADD MAP NO 1823

FOR BENCH MARKS AS BUILT DATA REFERENCES & RETIREMENT SEE SH: 2

CONT. FROM SHT 4

CONTINUED ON SHT 5

FURNISH & INSTALL BY CONTR.
STA 52+67.2, 10' RT.
1-12"x6" CROSS
1-12"x8" RED BACK
1-8" G.V. 4' BACK
1-12" G.V. 4' AHEAD
BY CITY TO EXIST.
16" MAINS, LT & RT

FURNISH & INSTALL BY CONTR.
STA 53+22.2, 10' RT.
1-12"x6" TEE
1-6" H. & F.H. SERV. (3-WAY)

FURNISH & INSTALL BY CONTR.
STA 56+18.2, 10' RT.
1-12"x6" TEE, (RT, RT, F)
1-6" G.V. RT, (F, RT, F)
20'-6" A.C. RT.
1-6" 45° BEND
1-6" TEE
1-6" F.H. & F.H. SERV.
BY CITY TO EXIST.
CONN. TEE TO EXIST. 6" A.C. RT.

FURNISH & INSTALL BY CONTR.
STA 57+02.2, 10' RT.
1-12"x6" TEE, (RT, RT, F)
1-12"x6" TEE, (RT, RT, F)
1-6" G.V., LT, (F, RT)
BY CITY TO EXIST.
CONN. TEE TO EXIST. 6" A.C. LT.

FURNISH & INSTALL BY CONTR.
STA 59+27.2, 10' RT
1-12"x6" CROSS
(RT, RT, F, F)
2-6" G.V., RT & LT
8C'-6" AC, RT & LT
CITY CONN TO EXIST. 6" AC RT & LT
(F, RT)

CITY OF SAN DIEGO, CALIFORNIA		W.D. NO. 48451
SHEET 4 OF 5 SHEETS		
DESCRIPTION	BY	APPROVED DATE
AS BUILT PER FIELD INSP & CF NOTES	CORTEZ	JULY 24, 1988
CONTRACTOR	L. M. & H.	DATE STARTED 5/18/88
INSPECTOR	H. MILLER	DATE COMPLETED 5/23/88

AS BUILT

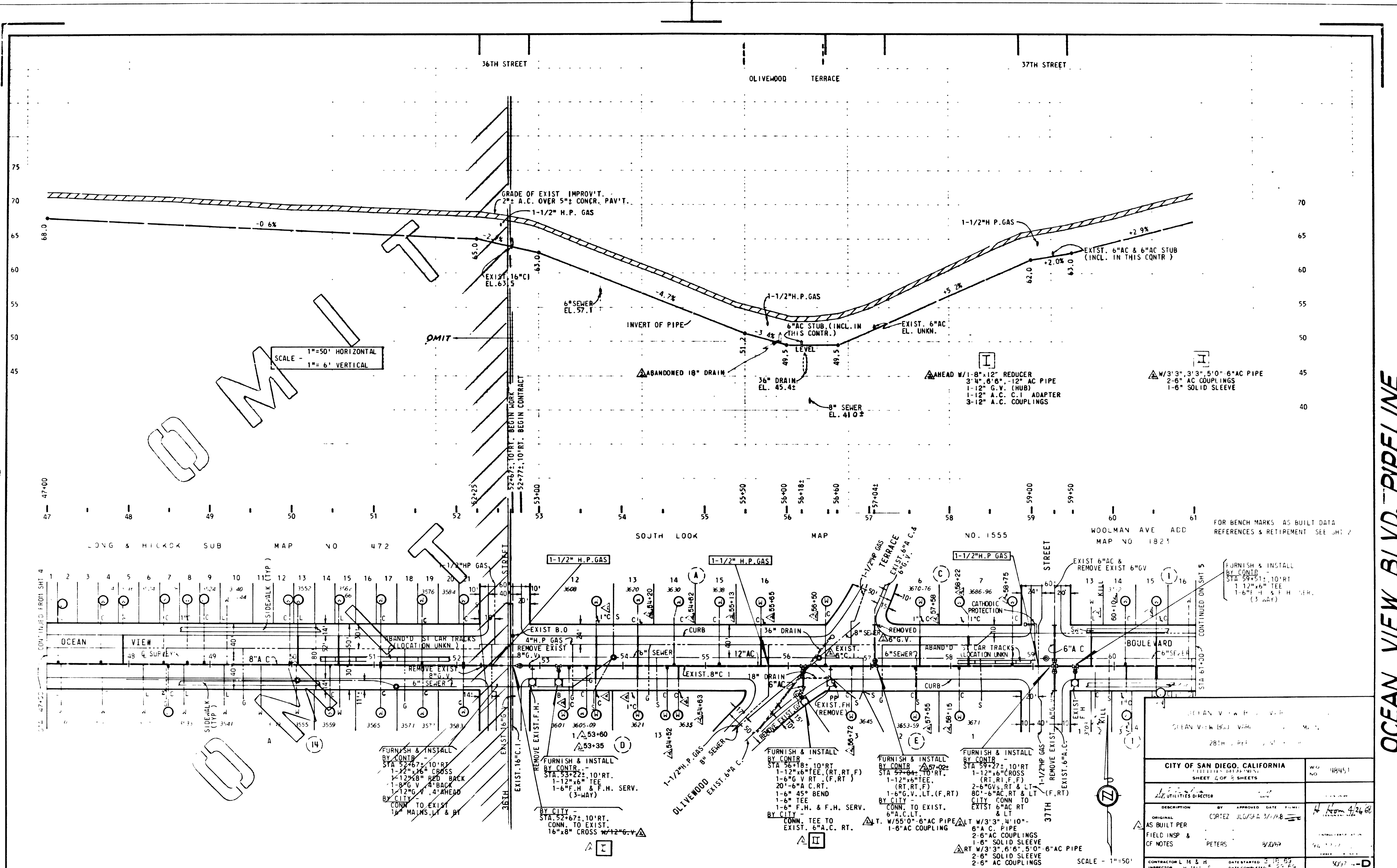
OCEAN VIEW BLVD. PIPELINE

1"=20'

1"=10'

1"=30'

REDUCTION



SCALE - 1"=50' HORIZONTAL
1"= 6' VERTICAL

LONG & HICKOK SUB MAP NO 472

SOUTH LOOK MAP

NO. 1555

WOOLMAN AVE ADD MAP NO 1823

FOR BENCH MARKS AS BUILT DATA REFERENCES & RETIREMENT SEE SH: 2

CONT. FROM SHT 4

CONTINUED ON SHT 5

FURNISH & INSTALL BY CONTR - STA 52+67.2, 10' RT. 1-12"x6" CROSS 1-12"x6" RED BACK 1-8" G.V. 4" BACK 1-12" G.V. 4" AHEAD BY CITY TO EXIST. 16" MAINS, LT & RT

FURNISH & INSTALL BY CONTR - STA 53+22.2, 10' RT. 1-12"x6" TEE 1-6" H. & F.H. SERV. (3-WAY)

FURNISH & INSTALL BY CONTR - STA 56+18, 10' RT. 1-12"x6" TEE, (RT, RT, F) 1-6" G.V. RT, (F, RT, F) 20'-6" A.C. RT. 1-6" 45° BEND 1-6" TEE 1-6" F.H. & F.H. SERV. BY CITY - STA 52+67.2, 10' RT. CONN. TO EXIST. 16"x8" CROSS W/12" G.V.

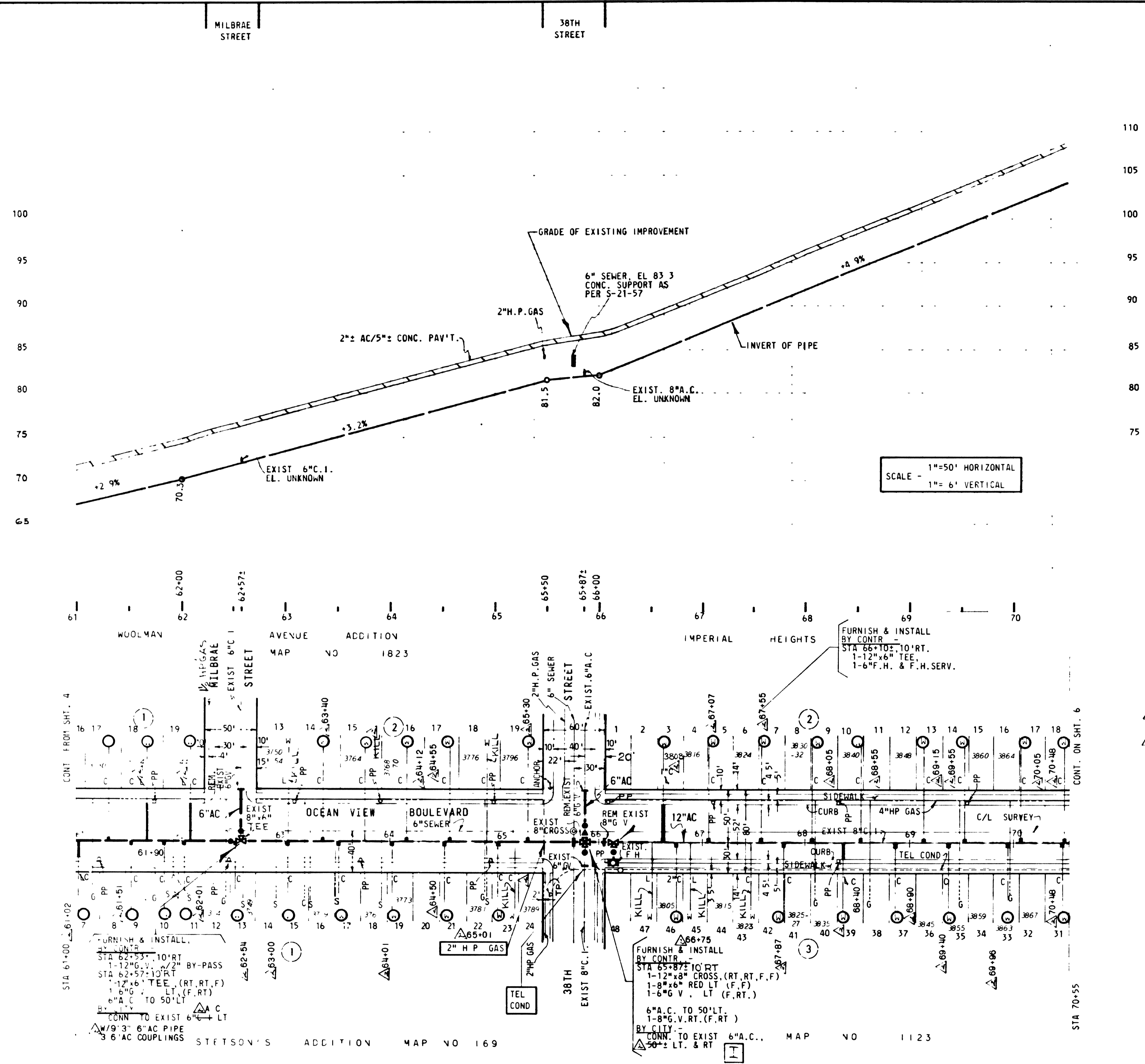
FURNISH & INSTALL BY CONTR - STA 57+02, 10' RT. 1-12"x6" TEE, (RT, RT, F) 1-12"x6" TEE, (RT, RT, F) 1-6" G.V., LT, (F, RT) 1-6" G.V., LT, (F, RT) 6" A.C. LT. BY CITY - CONN. TO EXIST. 6" A.C. LT.

FURNISH & INSTALL BY CONTR - STA 59+27, 10' RT. 1-12"x6" CROSS (RT, RT, F, F) 2-6" G.V., RT & LT 8C'-6" AC, RT & LT CITY CONN TO EXIST. 6" AC RT & LT (F, RT)

CITY OF SAN DIEGO, CALIFORNIA		W.D. NO. 48451
SHEET 4 OF 5 SHEETS		
DESCRIPTION	BY	APPROVED DATE
AS BUILT PER FIELD INSP & CF NOTES	PETERS	8/2/49
CONTRACTOR	L. M. & H.	DATE STARTED
INSPECTOR	H. MILLER	DATE COMPLETED

AS BUILT

OCEAN VIEW BLVD. PIPELINE



110
105
100
95
90
85
80
75

SCALE - 1"=50' HORIZONTAL
1"= 6' VERTICAL

FOR BENCH MARKS, REFERENCES, METERS, AND AS BUILT DATA, SEE SHT.

- ART W/1'0", 0.7", 1.5" 8" AC PIPE
- 2 8".45" BENDS
- 1 8" FLEX COUPLING
- LT W/6" 3.3" 6" AC PIPE
- 2 6" AC COUPLINGS
- 1 6" SOLID SLEEVE

FURNISH & INSTALL BY CONTR.
STA 62+53 TO 10' RT.
1-12" V.V. 2" BY-PASS
STA 62+57 TO 10' RT.
1-12" V.V. TEE, (RT, RT, F)
1 6" V. LT. (F, RT)
6" A.C. TO 50' LT

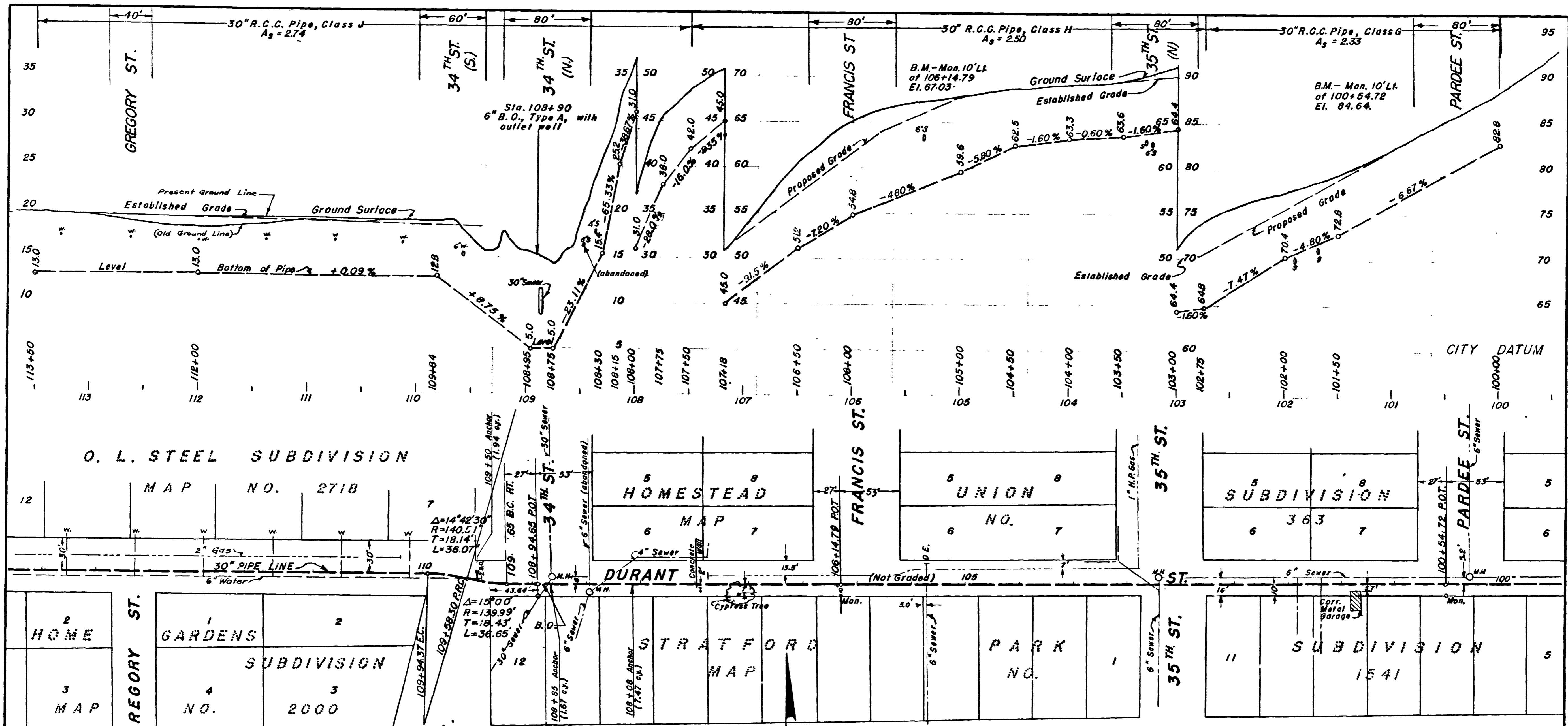
FURNISH & INSTALL BY CONTR.
STA 65+87 TO 10' RT.
1-12" V.V. CROSS, (RT, RT, F, F)
1-8" V.V. RED LT. (F, F)
1-6" V. LT. (F, RT)

CITY OF SAN DIEGO, CALIFORNIA		W.D. NO. 44451
SHEETS 5 OF 5 SHEETS		
DESCRIPTION	BY	APPROVED DATE
ORIGINAL AS BUILT PER FIELD INSP & C.F. NOTES	P.P. PETERS	4/24/05
CONTRACTOR	L & H	DATE STARTED 3/25/05
INSPECTOR	H. MILLER	DATE COMPLETED 5/22/05

SCALE - 1"=50'

A.S.P.I.

OCEAN VIEW BLVD PIPELINE



O. L. STEEL SUBDIVISION

MAP NO. 2718

HOMESTEAD

UNION

SUBDIVISION

HOME GARDENS SUBDIVISION
NO. 2000

STRATFORD MAP

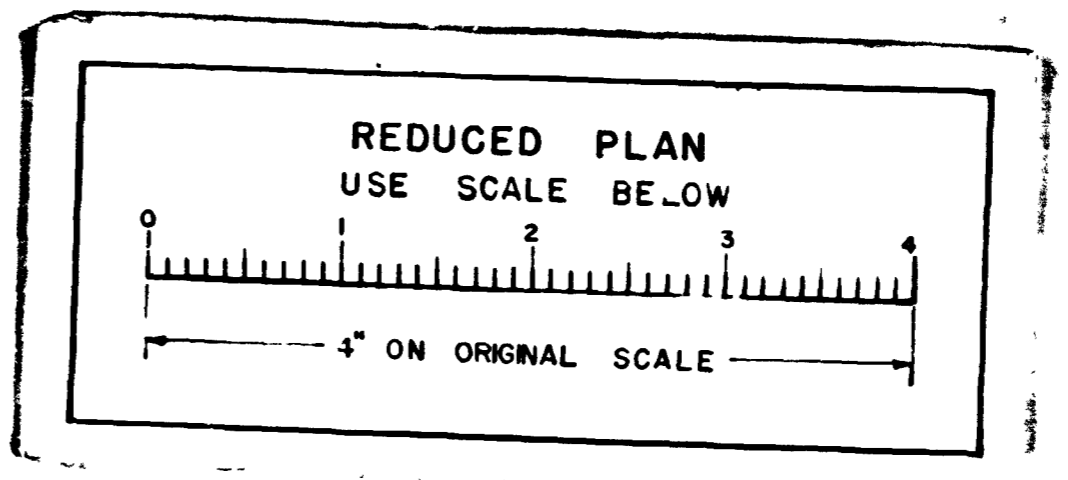
PARK NO. 1

SUBDIVISION 1541

WEBSTER AVE.

Drawn by J.A.C., R.S.G.
Traced by: DML
Checked by: W.B. JB

10-29-48 As B.J.H. R.M.
3-29-48 Ground Line & Gas, Water, W.H.
11-25-47
Edited 6-26-47

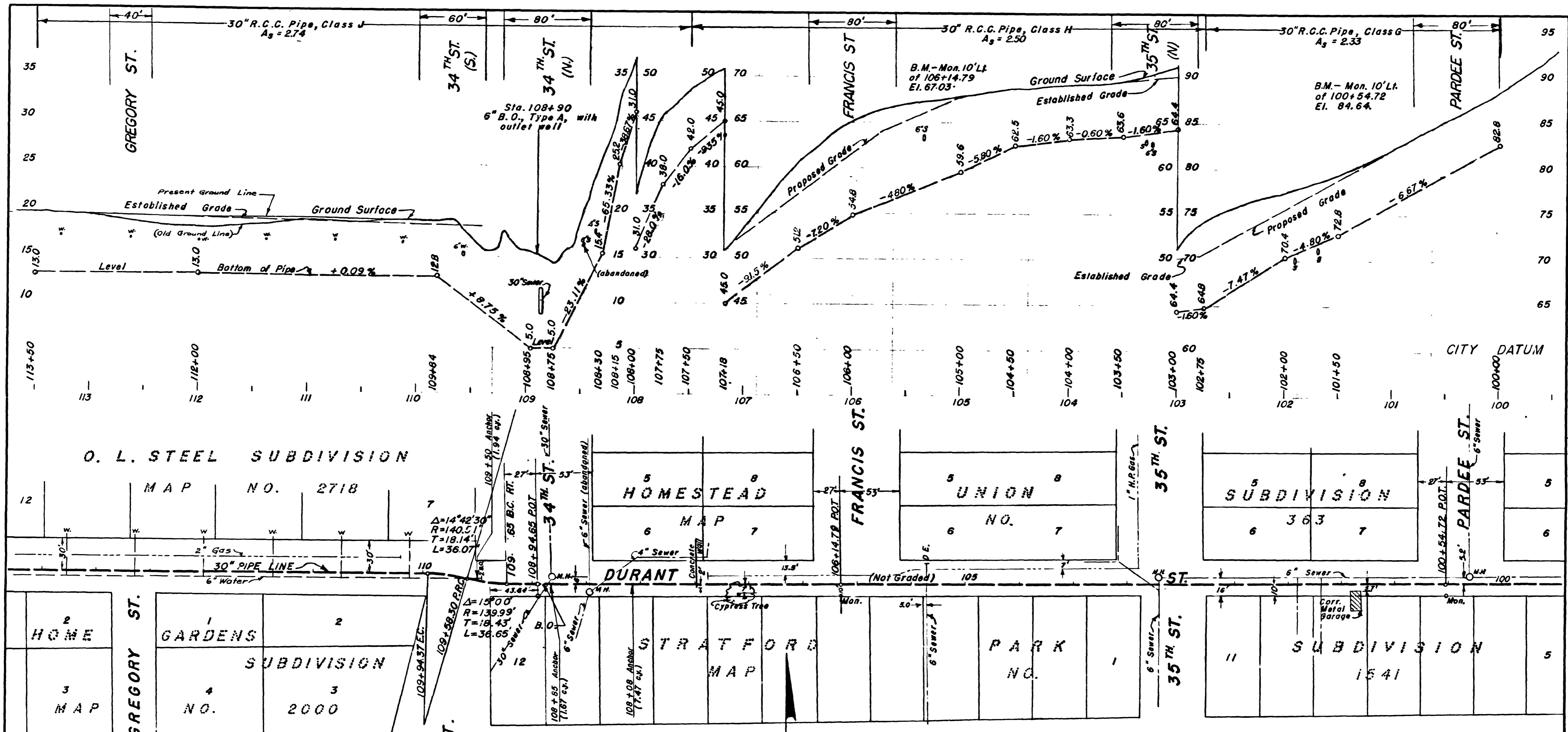


MICROFILMED
APR - 1963
COMMERCIAL STREET PIPE LINE
PLAN AND PROFILE
Horizontal Scale 1"=50' April 1947

City Engineer's Field Book #1722

Sheet 9 of 18 Sheets

WD-807
File N93593



O. L. STEEL SUBDIVISION

MAP NO. 2718

HOMESTEAD

UNION

SUBDIVISION

GREGORY ST. HOME GARDENS SUBDIVISION NO. 2000

STRATFORD MAP

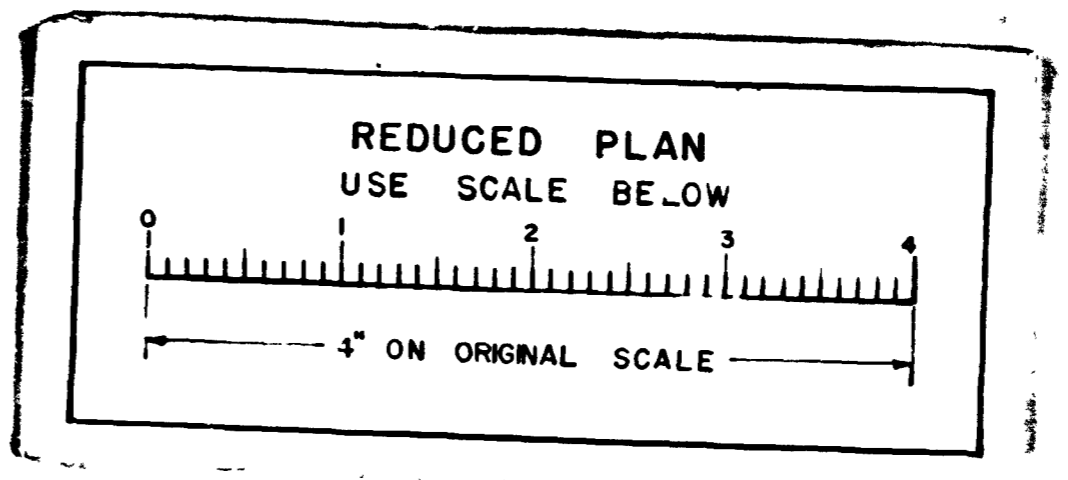
PARK NO. 1

SUBDIVISION 1541

WEBSTER AVE.

Drawn by J.A.C., R.S.G.
Traced by: DML
Checked by: W.B. JB

10-29-48 As B.J.H. R.M.
3-29-48 Ground Line & Gas, Water, W.H.
11-25-47
Edited 6-26-47



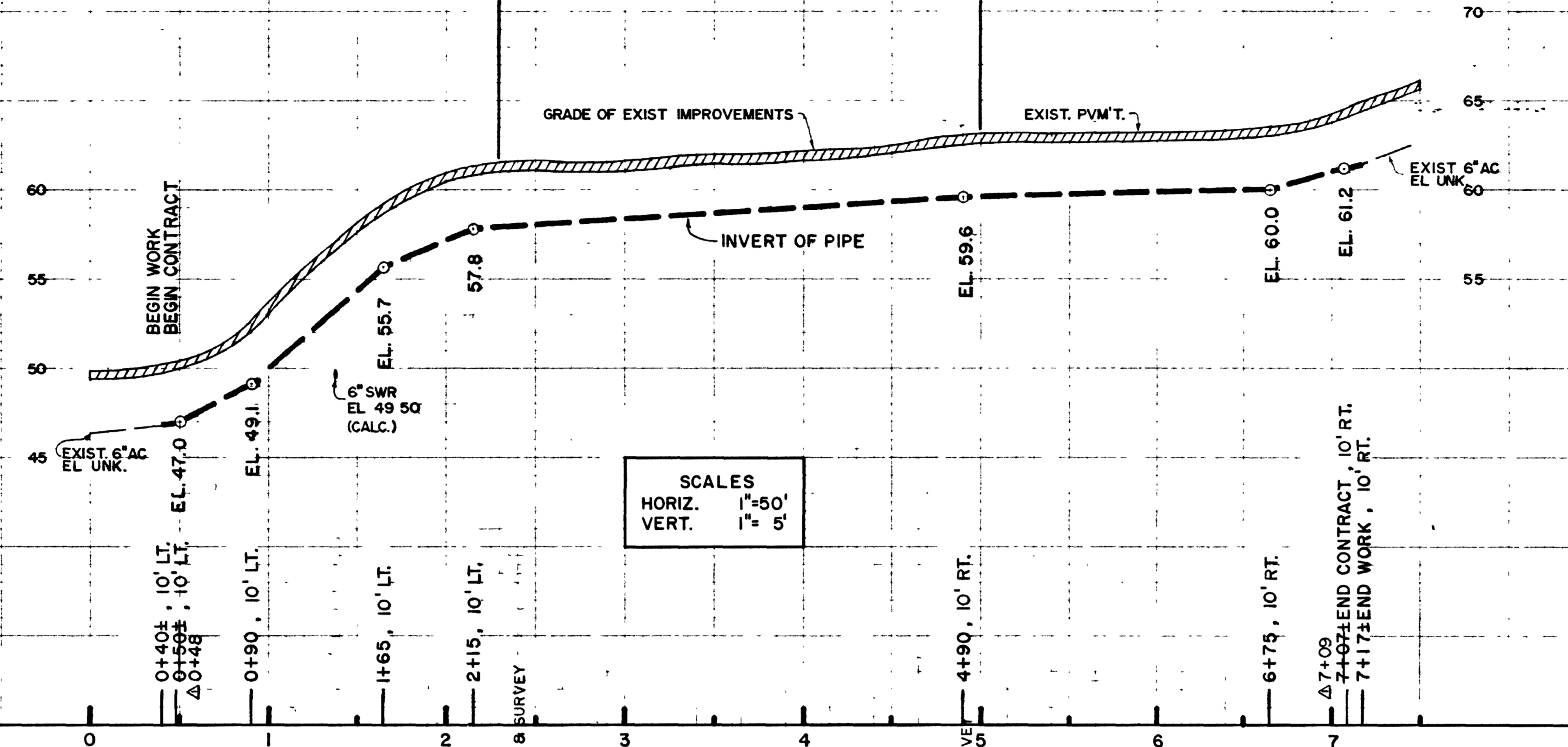
City Engineer's Field Book #1722

MICROFILMED
APR - 1963
COMMERCIAL STREET PIPE LINE
PLAN AND PROFILE
Horizontal Scale 1"=50' April 1947

Sheet 9 of 18 Sheets

WD-807
File N93593

← OLIVEWOOD TR FLORENCE ST. JEWELL DR. →



SCALES
 HORIZ. 1"=50'
 VERT. 1"=5'

AS BUILT DATA
 CONSTRUCTED BY:
 CONSTR. W.O:
 ENGR. W.O: 148088
 KIND OF PIPE: AC
 KIND OF GATE VALVES: 6" BFV
 TYPE OF SOIL:
 TYPE OF BACKFILL:
 DATE STAKED:
 DATE TESTED:

REFERENCES
 WATER GATE BOOK I:23
 GAS BOOK 10, PAGES 393, 408
 FIELD NOTES: 194-1731, CHIPMAN
 IO-4-78, W.O 148088
 WATER: 7704 L, W.O 2-840 6
 SEWER: 7704 L, 7705-L
 PAVING: 7702-L

RETIREMENT
 677' - 6" CI - 1950

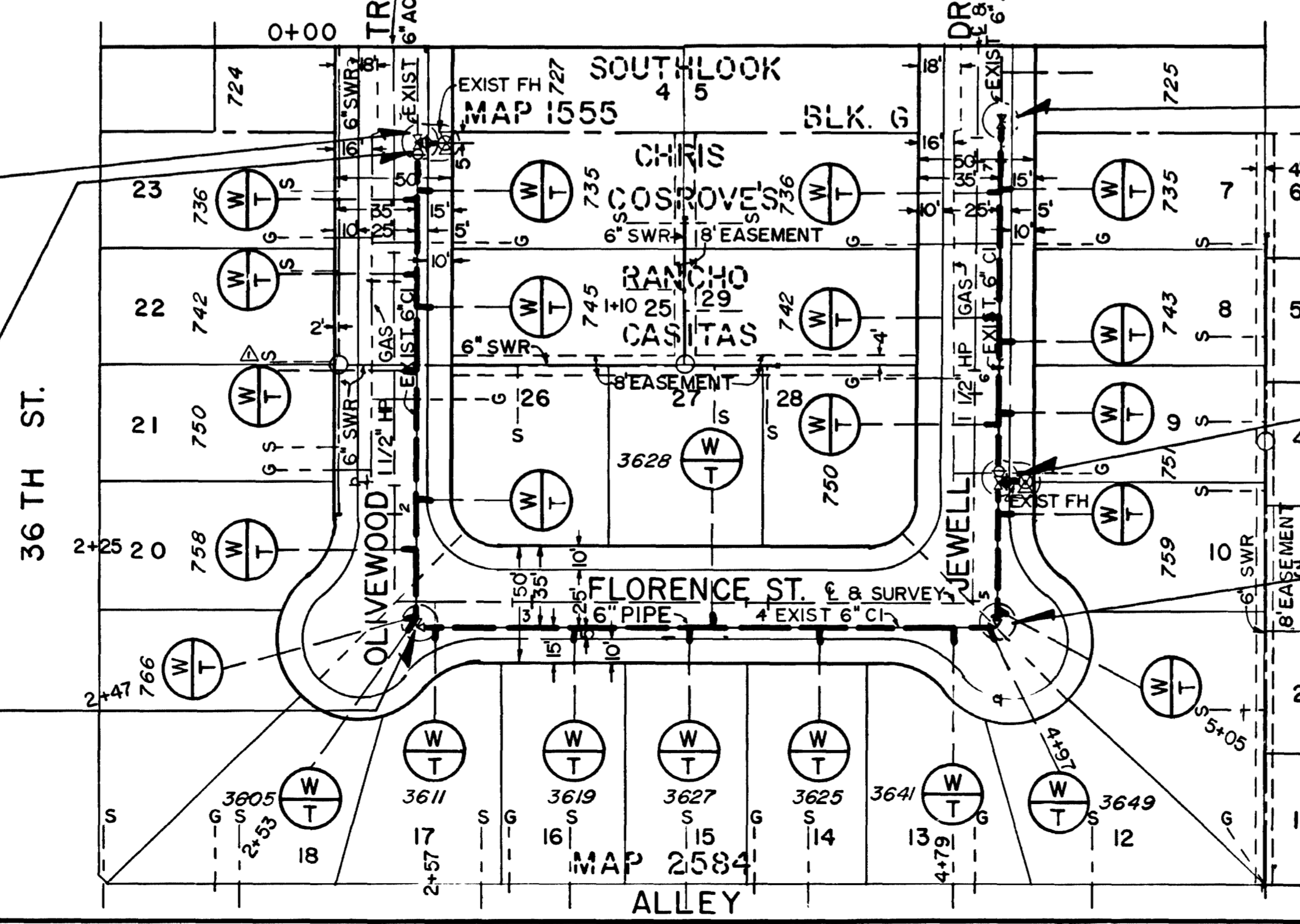
BENCHMARK (MEAN SEA LEVEL DATUM)
 B.M. - NWB.P. - 37th ST & T ST.
 EL. 77.161

2-3' 3" 6" AC
 2-6" COLLARS
 1-6' 6" 6" AC
 1-6" FLEX COUPLING

BY CITY,
 STA 0+40±, 10' LT.
 CONN. TO EXIST. 6" AC

**FURNISH & INSTALL,
 BY CONTRACTOR,**
 STA 0+50±, 10' LT. Δ49
 1-6" TEE (RT,RT,F)
 1-6" FH
 STA. 0+44±
 1-6" 90° (RT,RT) ΔBFV

**FURNISH & INSTALL,
 BY CONTRACTOR,**
 STA 2+50±, 10' RT.
 1-6" 90° BEND



BY CITY:
 STA. 7+17 ±, 10' RT.
 CONN TO EXIST. 6" A.C.

**FURNISH & INSTALL,
 BY CONTRACTOR:**
 3- 6" COLLARS
 2- 6' 6" 6" AC
 1- 45" 6" AC
 1- FLEX COUPLING

**FURNISH & INSTALL,
 BY CONTRACTOR:**
 STA. 5+52.25, 10' RT.
 1-6" TEE (RT,RT,F)
 1-6" FH
 1-6" 90°, 4' AHD. ΔBFV

**FURNISH & INSTALL,
 BY CONTRACTOR:**
 STA. 4+99.25, 10' RT.
 1-6" 90° BEND

SCALE 1"=50'

CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 11 OF 12 SHEETS				E.W.O. 148088 U.W.O. 19741
UTILITIES DIRECTOR		DATE 4/9/79		ENGINEERING SUPERINTENDENT
DESCRIPTION	BY	APPROVED	FILMED	DESIGN ENGINEER
ORIGINAL	MM	OJS		
AS BUILT PER INSPECTOR'S MARKED PRINTS				CONTROL CERTIFICATION
CONSTRUCTION RECORD				194-1731, 194-1734
CONTRACTOR L.M.H.	DATE STARTED 7-18-79			LAMBERT COORDINATES
INSPECTOR SCHROTBERGER	DATE COMPLETED 7-15-80			17437-11-D
CONNECTIONS BY				

AS BUILT

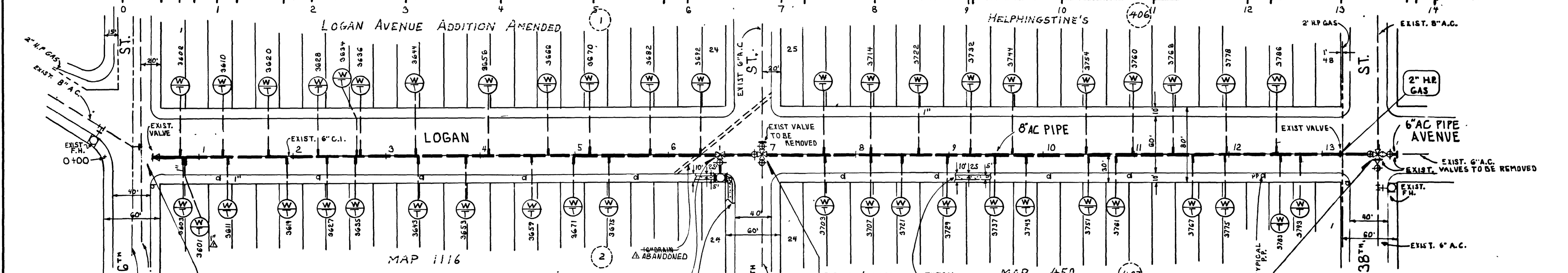
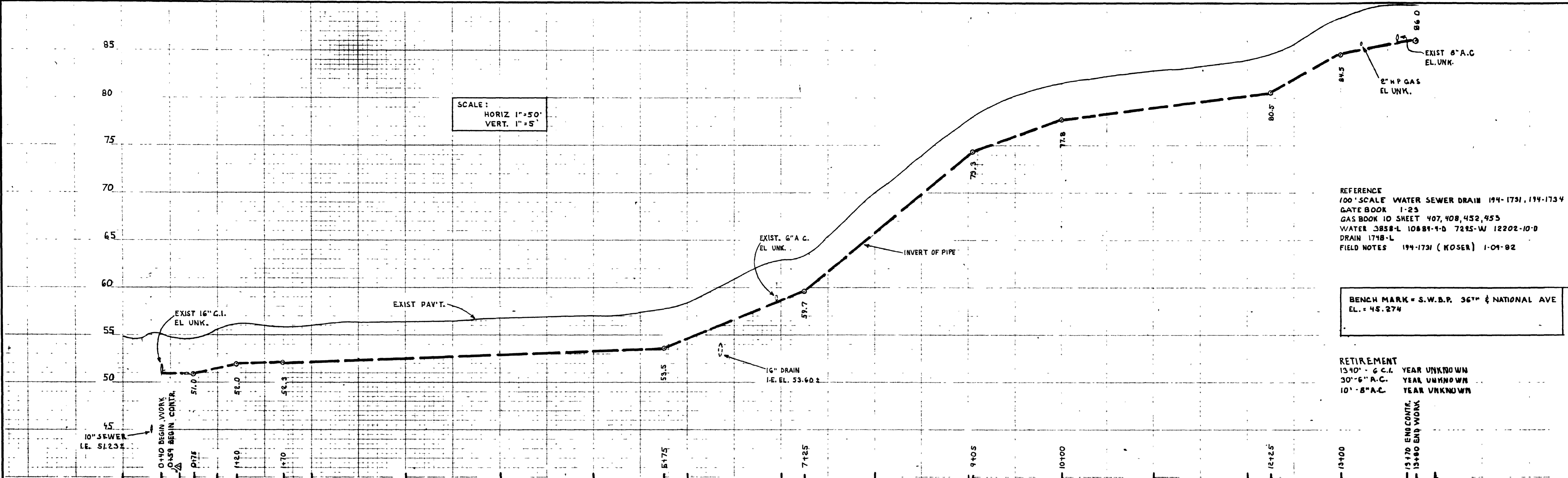
JEWELL DR.
 FLORENCE ST.
 OLIVEWOOD TR.

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

REFERENCE
100' SCALE WATER SEWER DRAIN 194-1731, 114-1734
GATE BOOK 1-23
GAS BOOK 10 SHEET 407, 408, 452, 453
WATER 3858-L 10881-1-D 7295-W 12202-10-D
DRAIN 1748-L
FIELD NOTES 194-1731 (KOSE) 1-09-82

BENCH MARK = S.W.B.P. 36TH & NATIONAL AVE
EL. = 45.274

RETIREMENT
13+40' - 6" C.I. YEAR UNKNOWN
30' - 6" A.C. YEAR UNKNOWN
10' - 8" A.C. YEAR UNKNOWN



BY CITY
STA. 0+40
CUT & PLUG EXIST. 6" C.I.
& RECONNECT
CROSS TO EAST
23'-6" MDA INTO 6" P TO RT. & V
8x6 AC REDUCER
2-8" 6" MEE
27" TUFF LINK
& 5" COLLARS
DEPTH 5'

SCALE
1"=50'

FURNISH & INSTALL
BY CONTR.
STA. 6+68 ±
1-8" X 6" TEE (RT, RT, F.)
1-6" F.H. & MARKER
1-4'x4' CONCRETE PAD

FURNISH & INSTALL
BY CONTR.
STA. 7+00 ±
1-8" X 6" CROSS (F)
1-8" ADAPTER (F, R.T.) AHD.
1-8" VALVE (F, R.T.) BK.
1-6" VALVE (F, R.T.) RT.
1-6" VALVE (F, R.T.) LT.

BY CITY
STA. 7+00 ± 10' RT. & 10' LT.
CUT & PLUG EXIST. 6" A.C.
& RECONNECT
CROSS TO SOUTH
EXIST. 6" V
6'x6" 6" AC MEE
5'x6" TUFF LINK PLASTIC
6'x4" 6" AC MEE
6" PLASTIC NIPPLE
6" SOLID SLEEVE
3-6" AC COLLARS
MAIN 10' FROM CURB
DEPTH OF MAIN 38"

CONNECT FROM NORTH
TO CROSS
6'-10" CI SOLID SLEEVE
14" x 6" AC MDA
22" TUFF LINK PLASTIC 6"
6'x6" 6" AC MEE
4'x6" 6" AC MEE
EXIST. 6" V
5-6" COLLARS
DEPTH OF MAIN 38"
MAIN 10' FROM CURB

CROSS TO NORTH
8" F.R.T. ADAPTER
45'-8" PLASTIC TUFF LINK
46'-8" PLASTIC TUFF LINK
2-8" COLLARS
DEPTH 5'

CROSS TO EAST
2-6" 6" MEE
3-6" COLLARS
47'-6" PLASTIC TUFF LINK
47'-6" STAINLESS STEEL BAND
DEPTH 5'

FURNISH & INSTALL
BY CONTR.
STA. 13+60 ±
1-8" CROSS (F)
1-8" ADAPTER (F, R.T.) LT.
2-8" X 6" RED (F.) AHD. & RT.
1-8" VALVE (F, R.T.) BK.
1-6" VALVE (F, R.T.) AHD.
1-6" VALVE (F, R.T.) RT.

BY CITY
STA. 13+60 ± 10' RT. & 10' LT.
CUT & PLUG EXIST. A.C.
& RECONNECT
STA. 13+80 ±
CUT & PLUG EXIST. A.C.
& RECONNECT

CROSS TO SOUTH
35'-8" PLASTIC TUFF LINK
2-6" 6" MEE
5-6" COLLARS
DEPTH 5'

WATER MAIN REPLACEMENT GROUP 439 LOGAN AVE. 8" PIPE 36TH ST. TO 38TH ST.			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 5 OF 11 SHEETS		E.W.O. 148147 U.W.O. 12801	
UTILITIES DIRECTOR	DATE	ENGINEERING SUPERINTENDENT	DATE
DESCRIPTION	BY	APPROVED	FILED
ORIGINAL	J.S.H.	J.S.H.	J.S.H.
AS BUILT	D.M.	J.S.H.	J.S.H.
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
CONTRACTOR: L.M. HOWLEY		194-1733	
INSPECTOR: J.C. HEWLEY		LAMBERT COORDINATES	
CONNECTIONS BY: CITY		20287-5-D	

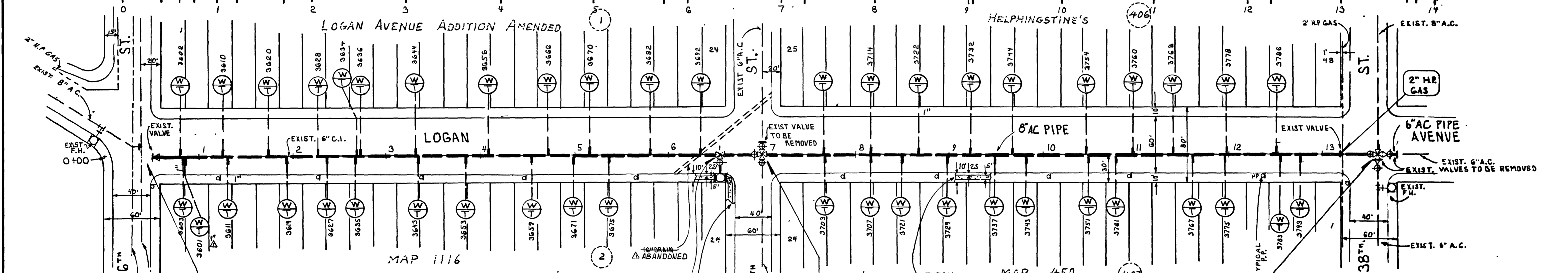
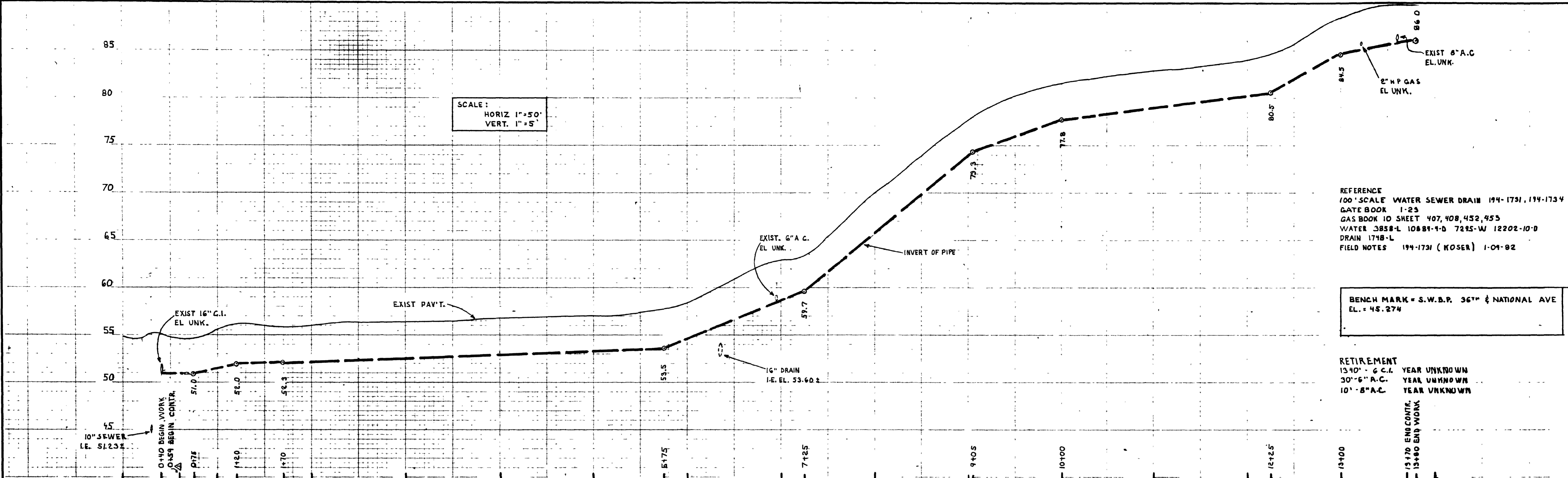
LOGAN AVENUE

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

REFERENCE
100' SCALE WATER SEWER DRAIN 194-1731, 114-1734
GATE BOOK 1-23
GAS BOOK 10 SHEET 407, 408, 452, 453
WATER 3858-L 10881-1-D 7295-W 12202-10-D
DRAIN 1748-L
FIELD NOTES 194-1731 (KOSER) 1-09-82

BENCH MARK = S.W.B.P. 36" & NATIONAL AVE
EL. = 45.274

RETIREMENT
13+40' - 6" C.I. YEAR UNKNOWN
30' - 6" A.C. YEAR UNKNOWN
10' - 8" A.C. YEAR UNKNOWN



BY CITY
STA. 0+40
CUT & PLUG EXIST. 6" C.I.
& RECONNECT
CROSS TO EAST
23'-6" MDA INTO 6" P TO RT. & V
8x6 AC REDUCER
2-8" 6x6 MEE
27" TUFF LINK
& 5" COLLARS
DEPTH 5'

SCALE
1"=50'

FURNISH & INSTALL
BY CONTR.
STA. 6+68 ±
1-8" X 6" TEE (RT., RT.F.)
1-6" F.H. & MARKER
1-4'x4' CONCRETE PAD

FURNISH & INSTALL
BY CONTR.
STA. 7+00 ±
1-8" X 6" CROSS (F)
1-8" ADAPTER (F,R,T.) AHD.
1-8" VALVE (F,R,T.) BK.
1-6" VALVE (F,R,T.) RT.
1-6" VALVE (F,R,T.) LT.

BY CITY
STA. 7+00 ± 10' RT. & 10' LT.
CUT & PLUG EXIST. 6" A.C.
& RECONNECT
CROSS TO SOUTH
EXIST. 6" V
6'x6" 6" AC MEE
5x6 TUFF LINK PLASTIC
6'x4" 6" AC MEE
6" PLASTIC NIPPLE
6" SOLID SLEEVE
3-6" AC COLLARS
MAIN 10' FROM CURB
DEPTH OF MAIN 38"

CONNECT FROM NORTH
TO CROSS
6'-10" CI SOLID SLEEVE
14" x 6" AC MDA
22" TUFF LINK PLASTIC 6"
6'x6" 6" AC MEE
46" x 6" AC MEE
EXIST. 6" V
5-6" COLLARS
DEPTH OF MAIN 38"
MAIN 10' FROM CURB

CROSS TO NORTH
8" F.R.T. ADAPTER
45'-8" PLASTIC TUFF LINK
46'-8" PLASTIC TUFF LINK
2-8" COLLARS
DEPTH 5'

CROSS TO EAST
2-6" 6x6 MEE
3-6" COLLARS
47'-6" PLASTIC TUFF LINK
47" STAINLESS STEEL BAND
DEPTH 5'

FURNISH & INSTALL
BY CONTR.
STA. 13+60 ±
1-8" CROSS (F)
1-8" ADAPTER (F,R,T.) LT.
2-8" X 6" RED (F.) AHD. & RT.
1-8" VALVE (F,R,T.) BK.
1-6" VALVE (F,R,T.) AHD.
1-6" VALVE (F,R,T.) RT.

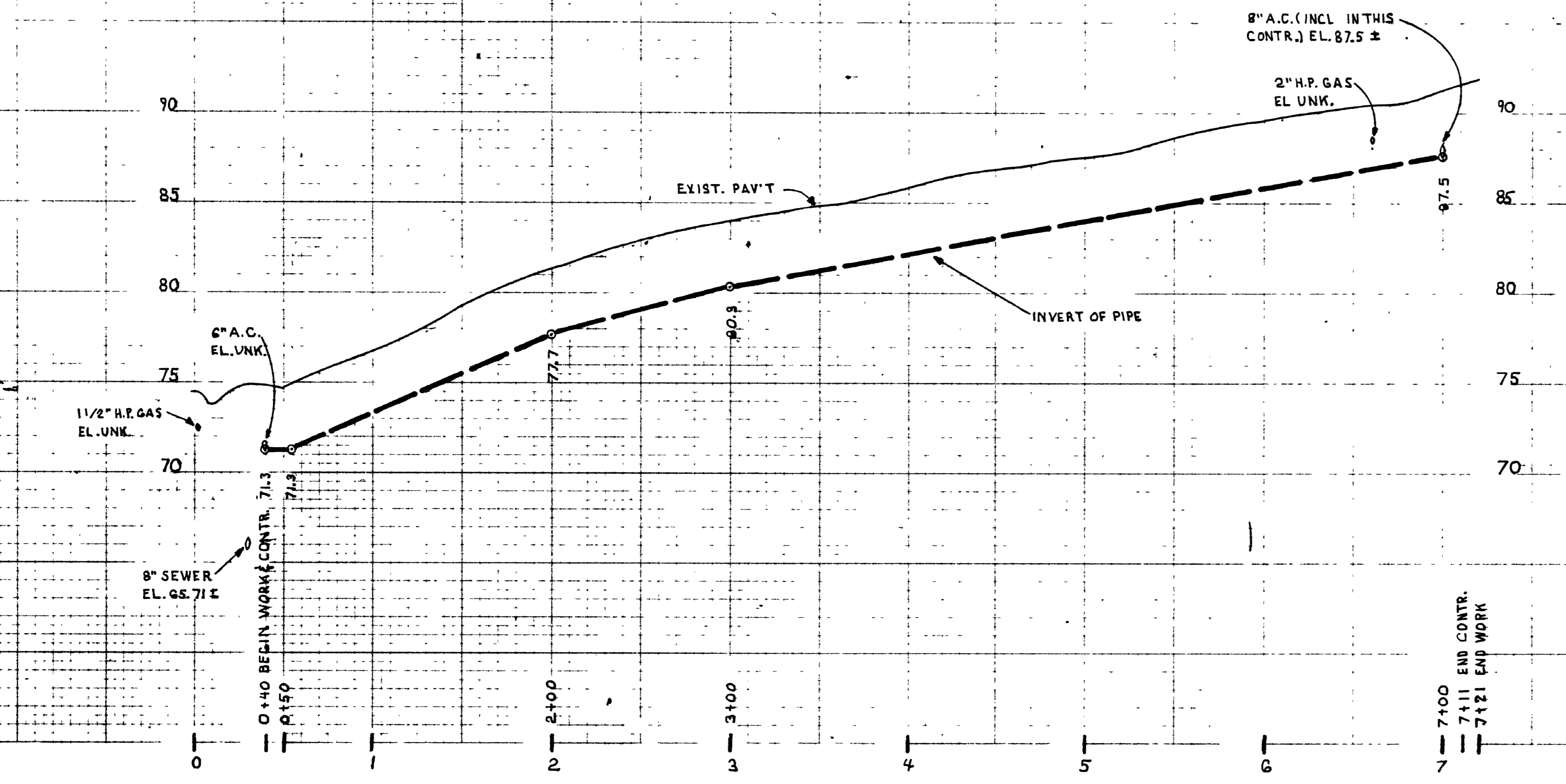
BY CITY
STA. 13+60 ± 10' RT. & 10' LT.
CUT & PLUG EXIST. A.C.
& RECONNECT
STA. 13+80 ±
CUT & PLUG EXIST. A.C.
& RECONNECT

CROSS TO SOUTH
35'-8" PLASTIC TUFF LINK
2-6" 6x6 MEE
5-6" COLLARS
DEPTH 5'

WATER MAIN REPLACEMENT GROUP 439 LOGAN AVE. 8" PIPE 36 TH ST. TO 38 TH ST.			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 5 OF 11 SHEETS		E.W.O. 148147 U.W.O. 12801	
UTILITIES DIRECTOR	DATE	ENGINEERING SUPERINTENDENT	
DESCRIPTION	BY	APPROVED	FILMED
ORIGINAL	J.S.H.	J.S.H.	J.S.H.
AS BUILT	D.M.		
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
CONTRACTOR: L.M. HOWLEY		194-1733	
INSPECTOR: J.C. HEWLEY		LAMBERT COORDINATES	
CONNECTIONS BY: CITY		20287-5-D	

LOGAN AVENUE

FLORENCE STREET

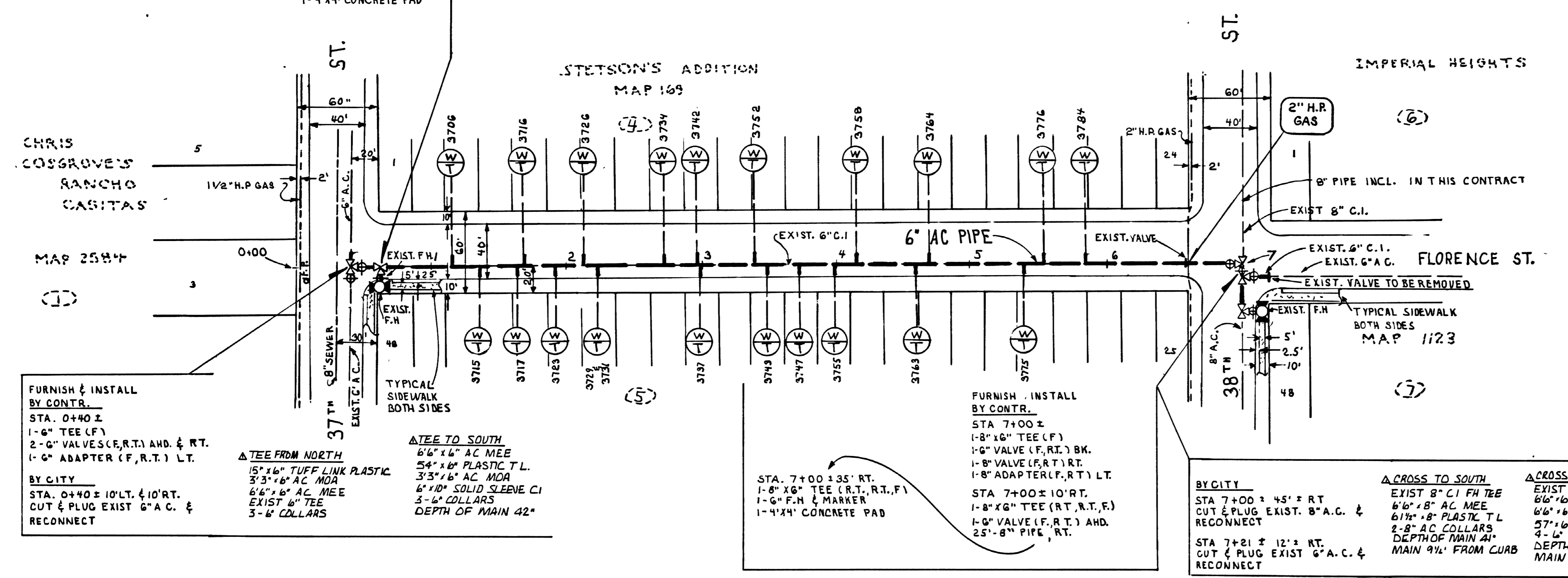


SCALE:
HORIZ. 1"=30'
VERT. 1"=5'

REFERENCE
100 SCALE WATER, SEWER, DRAIN 194-1734
GATEBOOK I-23
GAS BOOK 10 SHEET 395,402,407
WATER 7295-W, 12202-10-D 3789-L, 5559-W
PAVEMENT 11096-L, 5953-L
FIELD NOTES 194-1734 (BURRIS) 1-12-82

BENCH MARK - N.E.B.P. 37TH & FLORENCE
EL. = 75.537

RETIREMENT
681' - 6" C.I. - 1929
20' - 6" A.C. - 1961
45' - 8" A.C. 1966
2'-6" F.H. - 1929



FURNISH & INSTALL BY CONTR.
STA. 0+40 ±
1-6" TEE (F)
2-6" VALVES (F, R, T.) AND 4 RT.
1-6" ADAPTER (F, R, T.) LT.
BY CITY
STA. 0+40 ± 10' LT. & 10' RT.
CUT & PLUG EXIST 6" A.C. & RECONNECT

TEE FROM NORTH
15" x 16" TUFF LINK PLASTIC
3'3" x 6" AC MDA
6'6" x 6" AC MEE
EXIST 6" TEE
3-6" COLLARS

TEE TO SOUTH
6'6" x 6" AC MEE
54" x 6" PLASTIC T.L.
3'3" x 6" AC MDA
6" x 10" SOLID SLEEVE C.I.
3-6" COLLARS
DEPTH OF MAIN 42"

STA. 7+00 ± 35' RT.
1-8" X 6" TEE (R, T., R, T., F)
1-6" F.H. & MARKER
1-4'x4' CONCRETE PAD

FURNISH & INSTALL BY CONTR.
STA 7+00 ±
1-8" x 6" TEE (F)
1-6" VALVE (F, R, T.) BK.
1-6" VALVE (F, R, T.) RT.
1-8" ADAPTER (F, R, T.) LT.
STA 7+00 ± 10' RT.
1-8" X 6" TEE (R, T., R, T., F)
1-6" VALVE (F, R, T.) AND
25'-8" PIPE, RT.

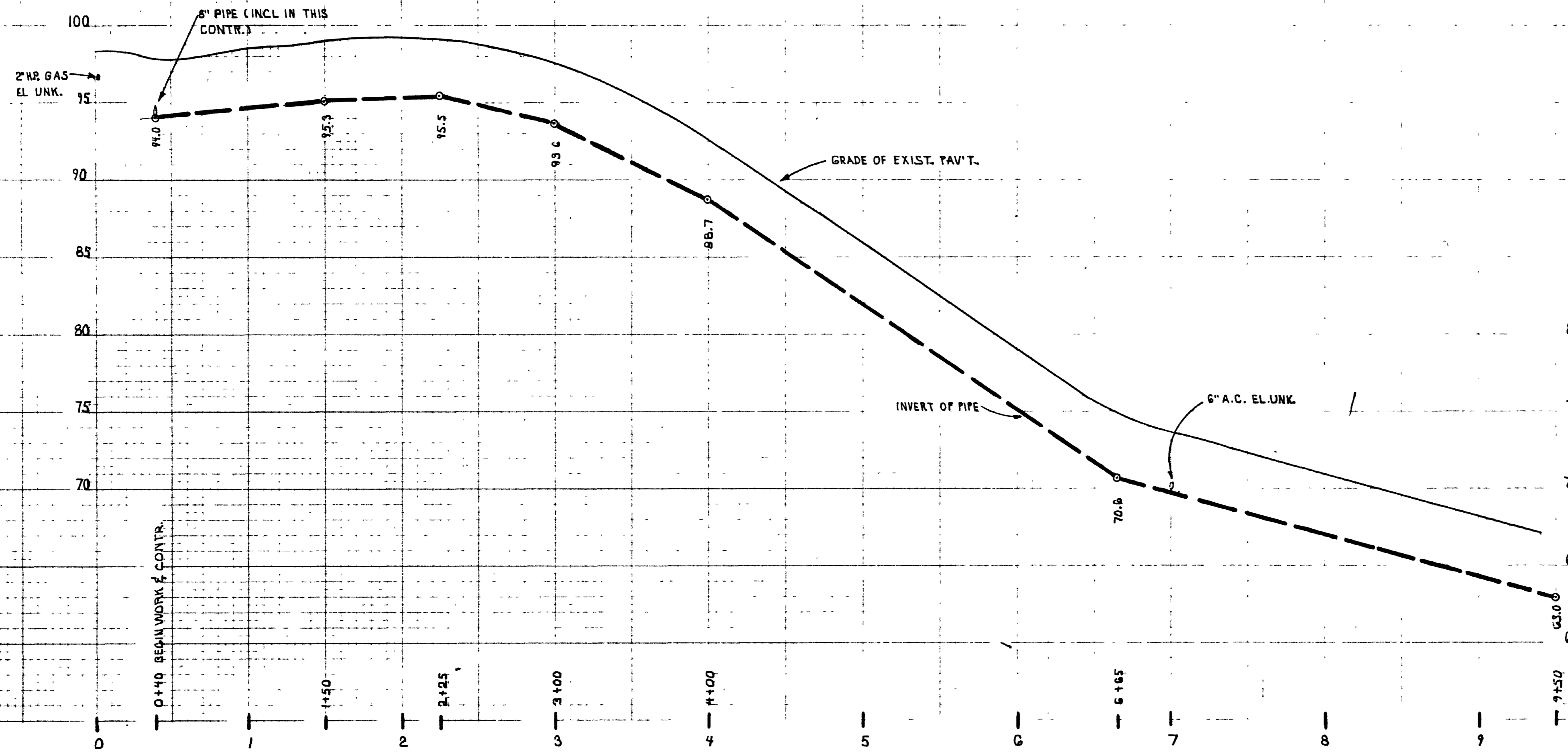
BY CITY
STA 7+00 ± 45' ± RT
CUT & PLUG EXIST. 8" A.C. & RECONNECT
STA 7+21 ± 12' ± RT.
CUT & PLUG EXIST 6" A.C. & RECONNECT

ACROSS TO SOUTH
EXIST 8" C.I. F.H. TEE
6'6" x 8" AC MEE
6'1 1/2" x 8" PLASTIC T.L.
2-8" AC COLLARS
DEPTH OF MAIN 41'
MAIN 9 1/2' FROM CURB

ACROSS TO EAST
EXIST 6" 6V NIPPLE
6'6" x 6" AC MEE
6'6" x 6" AC MEE
37" x 6" PLASTIC
4-6" AC COLLARS
DEPTH OF MAIN 32"
MAIN 7' FROM CURB

SCALE: 1" = 50'

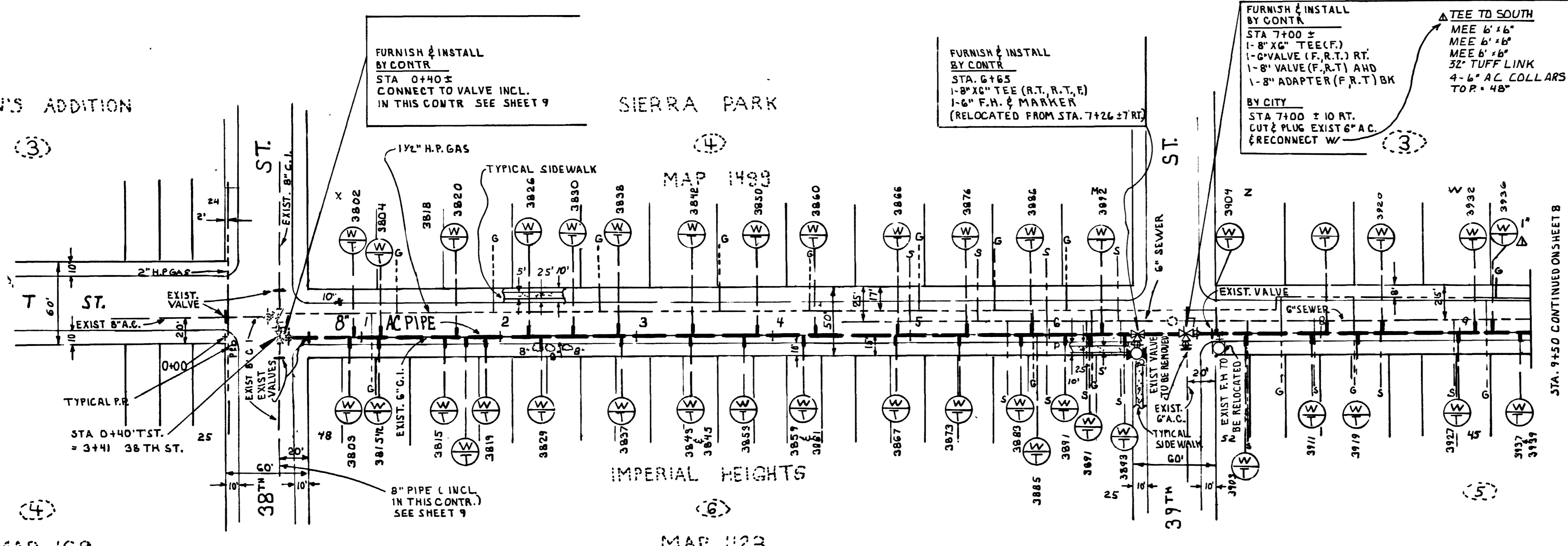
WATER MAIN REPLACEMENT			
GROUP 439			
FLORENCE ST. . . 6" PIPE			
37TH ST TO 38TH ST.			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 6 OF 11 SHEETS		E.W.O. 148147 U.W.O. 12801	
UTILITIES DIRECTOR		DATE	
DESCRIPTION	BY	APPROVED	FILMED
ORIGINAL	JM	[Signature]	[Signature]
AS BUILT	DM	[Signature]	[Signature]
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
CONTRACTOR L.M. HOWLEY		194-1733	
INSPECTOR J.C. HENRY		LAMBERT COORDINATES	
CONNECTIONS BY: CITY		20287-6-D	



STETSON'S ADDITION

SIERRA PARK

IMPERIAL HEIGHTS



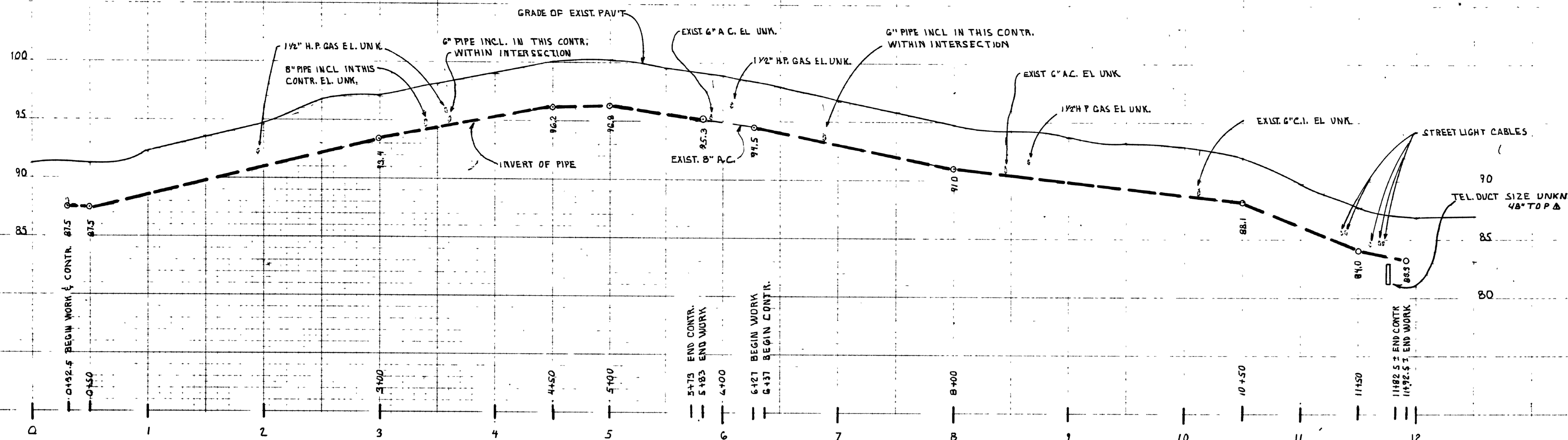
SCALE:
HORIZ. 1" = 50'
VERT. 1" = 5'

REFERENCE SEE SHEET B

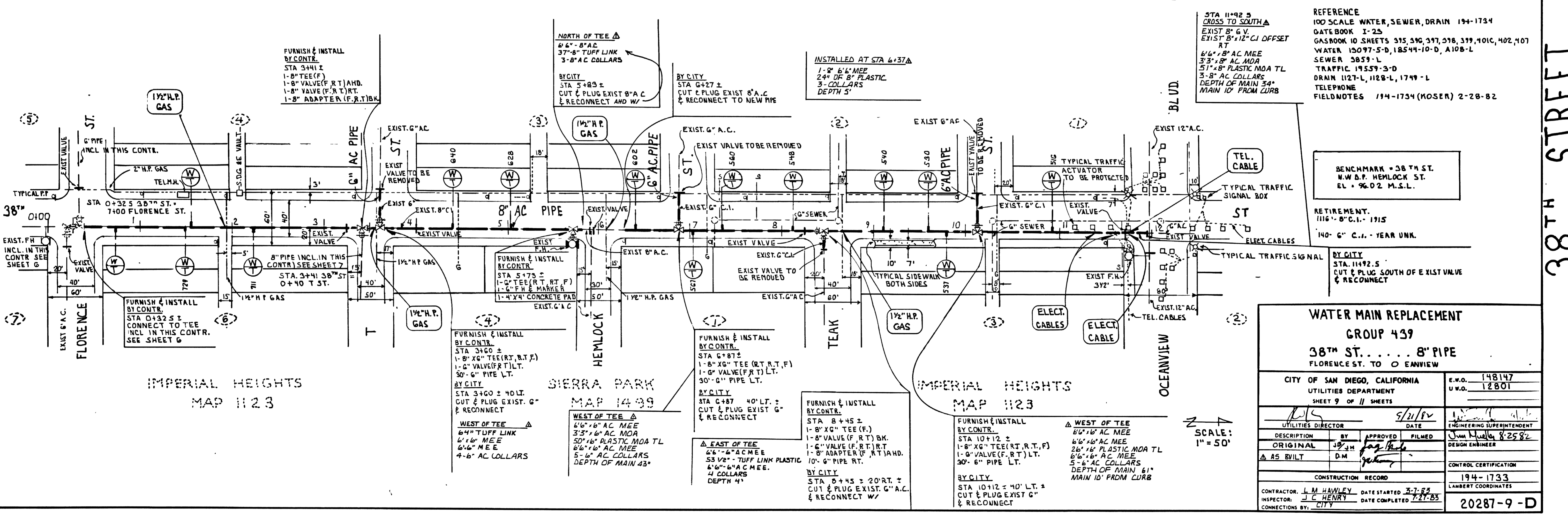
WATER MAIN REPLACEMENT			
GROUP 439			
'T' ST. 8" PIPE			
38TH ST. TO 41ST ST.			
CITY OF SAN DIEGO, CALIFORNIA		E.W.O. 148147	
UTILITIES DEPARTMENT		U.W.O. 12801	
SHEET 7 OF 11 SHEETS			
UTILITIES DIRECTOR	DATE	ENGINEERING SUPERINTENDENT	
DESCRIPTION	BY	APPROVED	FILMED
ORIGINAL	J.C. HENRY	[Signature]	[Signature]
AS BUILT	D.M. [Signature]	DESIGN ENGINEER	
CONSTRUCTION RECORD			CONTROL CERTIFICATION
CONTRACTOR L.M. HAWLEY			194-1733, 194-1735
INSPECTOR J.C. HENRY			LAMBERT COORDINATES
CONNECTIONS BY CITY			20287-7-D

N
SCALE:
1" = 50'

T STREET



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



REFERENCE
100 SCALE WATER, SEWER, DRAIN 194-1734
DATE BOOK I-23
GASBOOK 10 SHEETS 315, 316, 317, 318, 319, 401C, 402, 407
WATER 15097-5-D, 18544-10-D, A108-L
SEWER 3859-L
TRAFFIC 19559-3-D
DRAIN 1127-L, 1128-L, 1749-L
TELEPHONE
FIELDNOTES 114-1734 (KOSER) 2-28-82

BENCHMARK = 38TH ST.
N.W. COR. HEMLOCK ST.
EL. = 96.02 M.S.L.

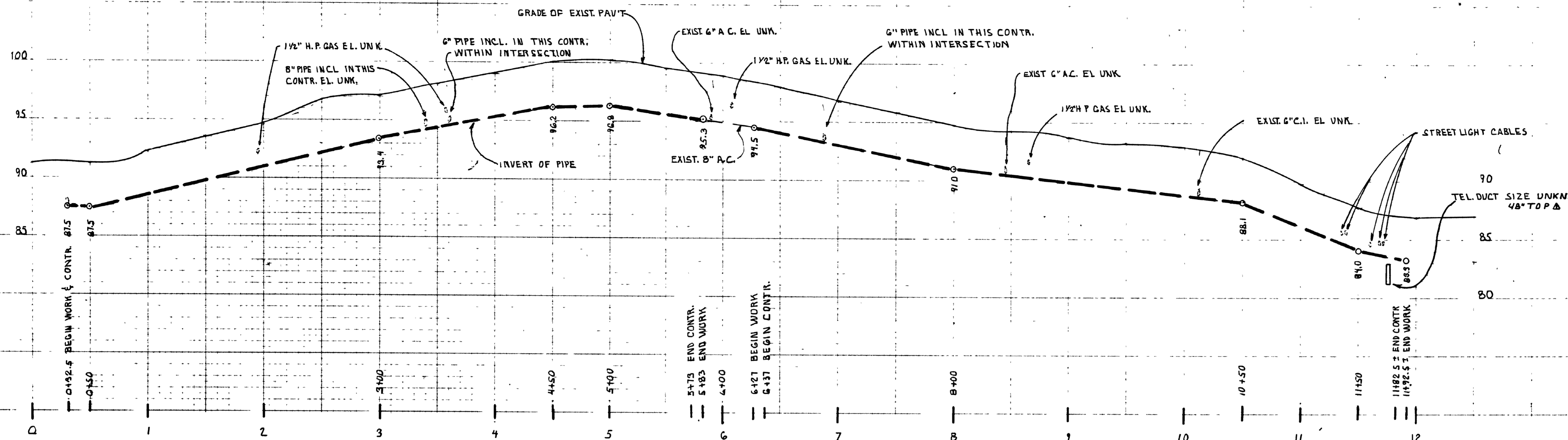
RETIREMENT.
1116'-8" C.I. - 1915
140'-6" C.I. - YEAR UNK.

BY CITY
STA. 11+92.5
CUT & PLUG SOUTH OF EXIST VALVE
& RECONNECT

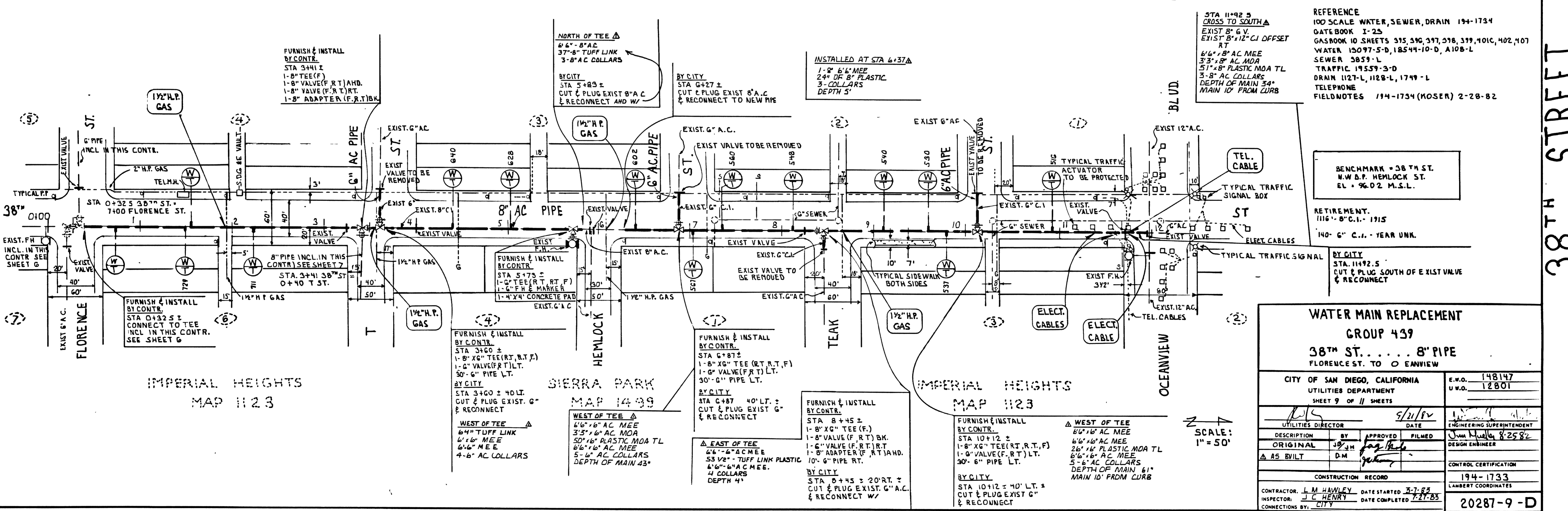
WATER MAIN REPLACEMENT			
GROUP 439			
38 TH ST. 8" PIPE			
FLORENCE ST. TO OCEANVIEW			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 9 OF 11 SHEETS		E.W.O. 148147 U.W.O. 12801	
UTILITIES DIRECTOR	DATE	ENGINEERING SUPERINTENDENT	
DESCRIPTION	BY	APPROVED	FILMED
ORIGINAL	JH	Jan 14/82	8-25-82
AS BUILT	DM		
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
CONTRACTOR: L.M. HAWLEY		DATE STARTED: 5-7-83	LAMBERT COORDINATES
INSPECTOR: J.C. HENRY		DATE COMPLETED: 7-27-83	
CONNECTIONS BY: CITY			20287-9-D

SCALE:
1"=50'

38TH STREET



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



REFERENCE
100 SCALE WATER, SEWER, DRAIN 194-1734
DATE BOOK I-23
GASBOOK 10 SHEETS 315, 316, 317, 318, 319, 401C, 402, 407
WATER 15097-5-D, 18544-10-D, A108-L
SEWER 3859-L
TRAFFIC 19559-3-D
DRAIN 1127-L, 1128-L, 1749-L
TELEPHONE
FIELDNOTES 114-1734 (KOSER) 2-28-82

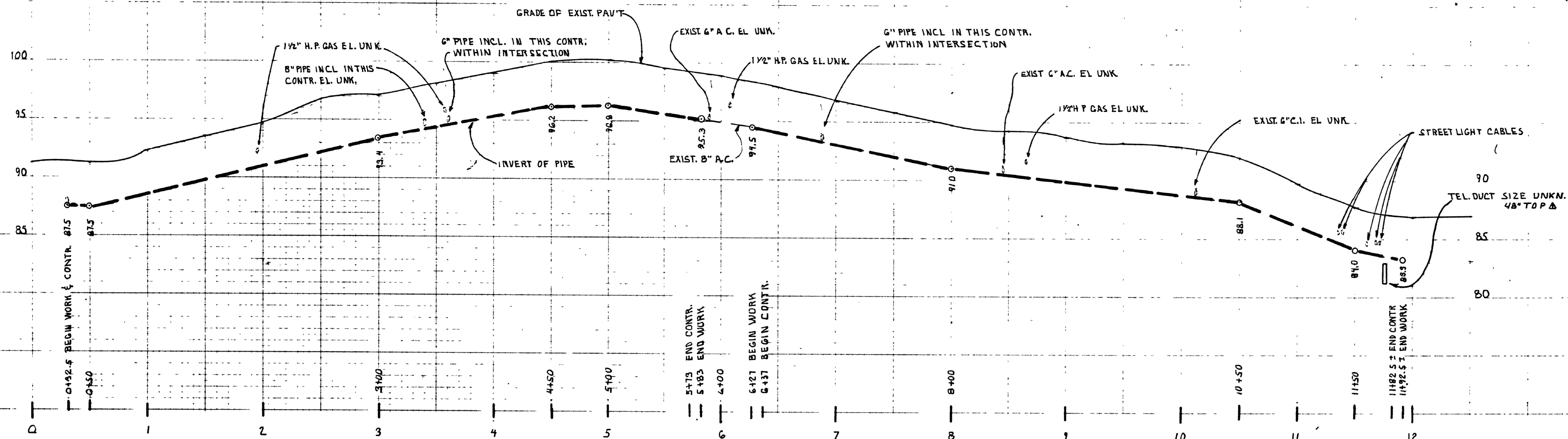
BENCHMARK = 38TH ST.
N.W. COR. HEMLOCK ST.
EL. = 96.02 M.S.L.

RETIREMENT.
1116'-8" C.I. - 1915
140'-6" C.I. - YEAR UNK.

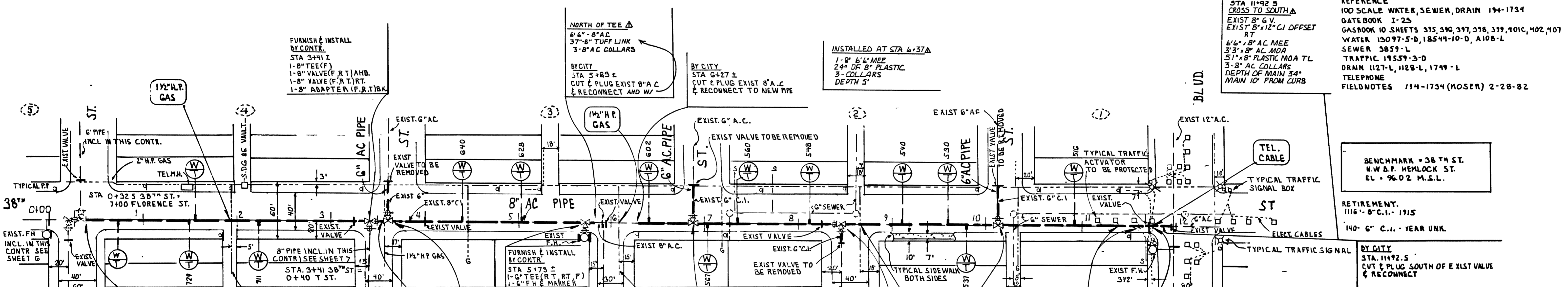
BY CITY
STA. 11+92.5
CUT & PLUG SOUTH OF EXIST VALVE
& RECONNECT

WATER MAIN REPLACEMENT	
GROUP 439	
38TH ST. 8" PIPE	
FLORENCE ST. TO OCEANVIEW	
CITY OF SAN DIEGO, CALIFORNIA	
UTILITIES DEPARTMENT	
SHEET 9 OF 11 SHEETS	
UTILITIES DIRECTOR	E.W.O. 148147
DATE	U.W.O. 12801
DESCRIPTION	BY
APPROVED	APPROVED
DESIGN ENGINEER	DATE
CONTROL CERTIFICATION	194-1733
CONSTRUCTION RECORD	20287-9-D
CONTRACTOR: L.M. HAWLEY	DATE STARTED: 5-7-83
INSPECTOR: J.C. HENRY	DATE COMPLETED: 7-27-83
CONNECTIONS BY: CITY	

38TH STREET



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



REFERENCE
100 SCALE WATER, SEWER, DRAIN 194-1734
DATE BOOK I-23
GASBOOK 10 SHEETS 315, 316, 317, 318, 319, 401C, 402, 407
WATER 15097-5-D, 18544-10-D, A108-L
SEWER 3859-L
TRAFFIC 19559-3-D
DRAIN 1127-L, 1128-L, 1749-L
TELEPHONE
FIELDNOTES 114-1734 (KOSER) 2-28-82

BENCHMARK = 38 TH ST.
N.W. COR. HEMLOCK ST.
EL. = 96.02 M.S.L.

RETIREMENT.
1116'-8" C.I. - 1915
140'-6" C.I. - YEAR UNK.

BY CITY
STA. 11+92.5
CUT & PLUG SOUTH OF EXIST VALVE
& RECONNECT

IMPERIAL HEIGHTS
MAP 1123

SIERRA PARK
MAP 1439

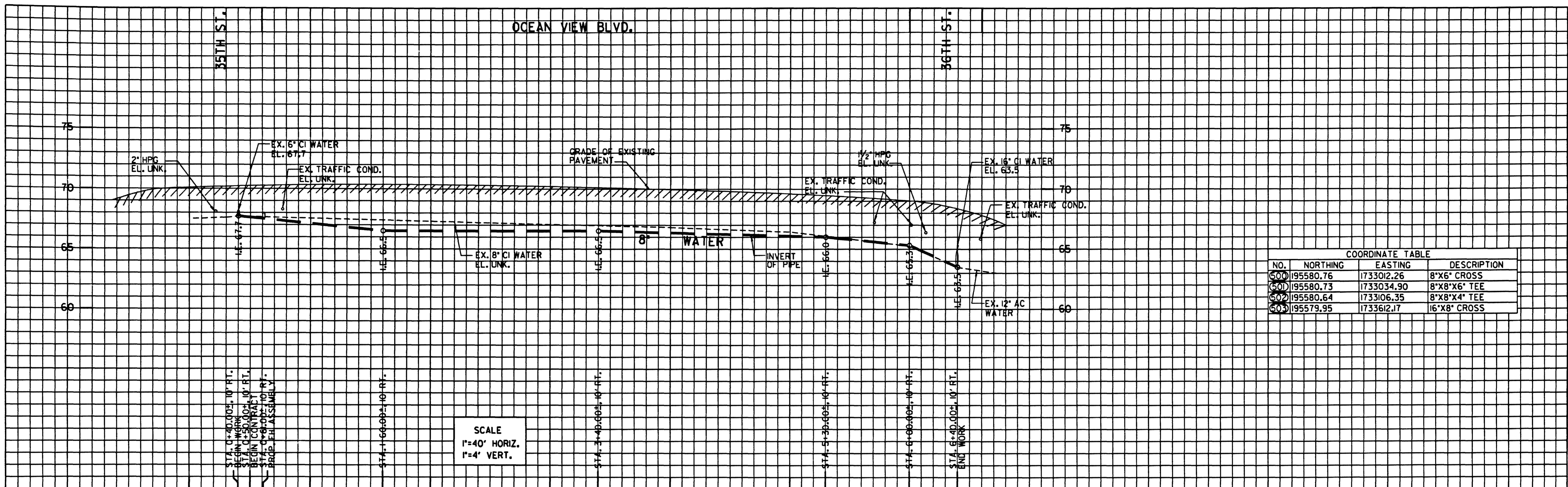
IMPERIAL HEIGHTS
MAP 1123

WATER MAIN REPLACEMENT			
GROUP 439			
38TH ST. 8" PIPE			
FLORENCE ST. TO OCEANVIEW			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 9 OF 11 SHEETS		E.W.O. 148147 U.W.O. 12801	
UTILITIES DIRECTOR	DATE	ENGINEERING SUPERINTENDENT	
DESCRIPTION	BY	APPROVED	FILMED
ORIGINAL	JH	Jan 14/82	8:25:82
AS BUILT	DM		
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
CONTRACTOR: L.M. HAWLEY		DATE STARTED: 5-7-83	LAMBERT COORDINATES
INSPECTOR: J.C. HENRY		DATE COMPLETED: 7-27-83	
CONNECTIONS BY: CITY			20287-9-D

SCALE:
1" = 50'

38TH STREET

OCEAN VIEW BLVD.

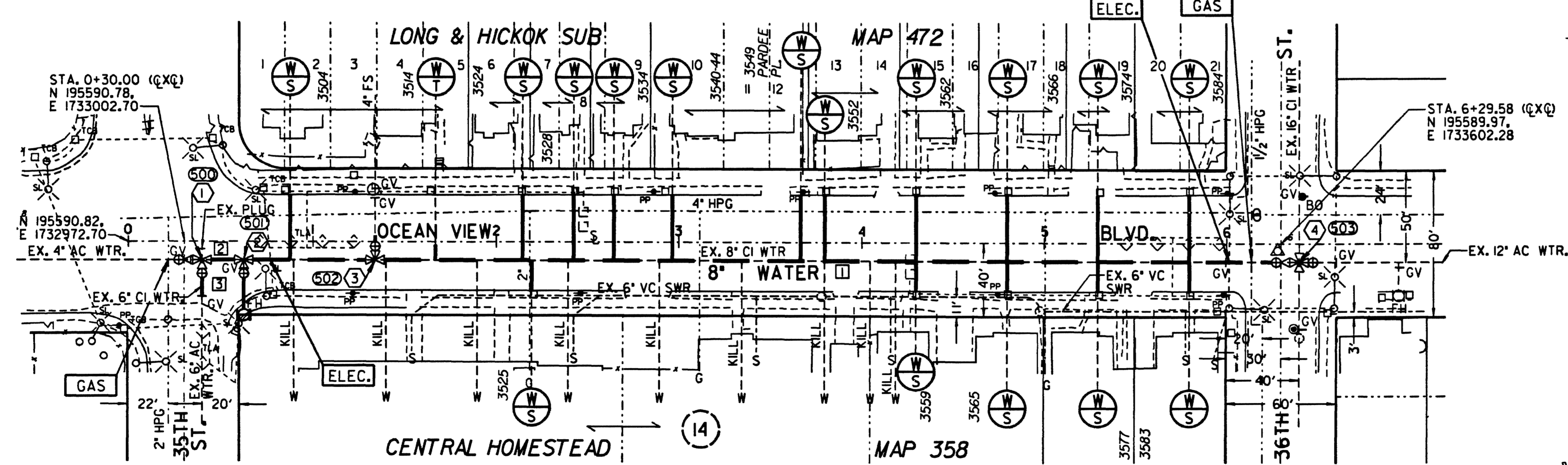


COORDINATE TABLE			
NO.	NORTHING	EASTING	DESCRIPTION
500	195580.76	1733012.26	8"x6" CROSS
501	195580.73	1733034.90	8"x8"x6" TEE
502	195580.64	173306.35	8"x8"x4" TEE
503	195579.95	1733612.17	16"x8" CROSS

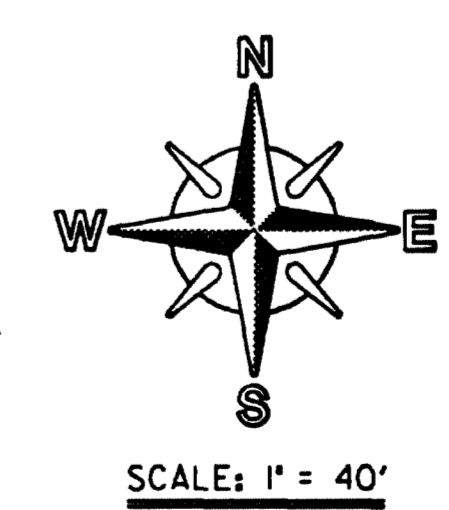
SCALE
1"=40' HORIZ.
1"=4' VERT.

PROPOSED PIPE DATA TABLE				
NO.	Δ/BEARING	RADIUS	LENGTH	REMARKS
1	S89° 55' 21" E		590'	8" PIPE BY CONTRACTOR
2	S89° 55' 21" E		10'	8" PIPE BY CITY
3	S0° 6' 18" W		20'	6" PIPE BY CITY

OCEAN VIEW BLVD. SHALL BE HIGHLINED BY CITY FORCES PRIOR TO CONSTRUCTION. CITY TO FURNISH ALL MATERIALS AND MAKE ALL CONNECTIONS.



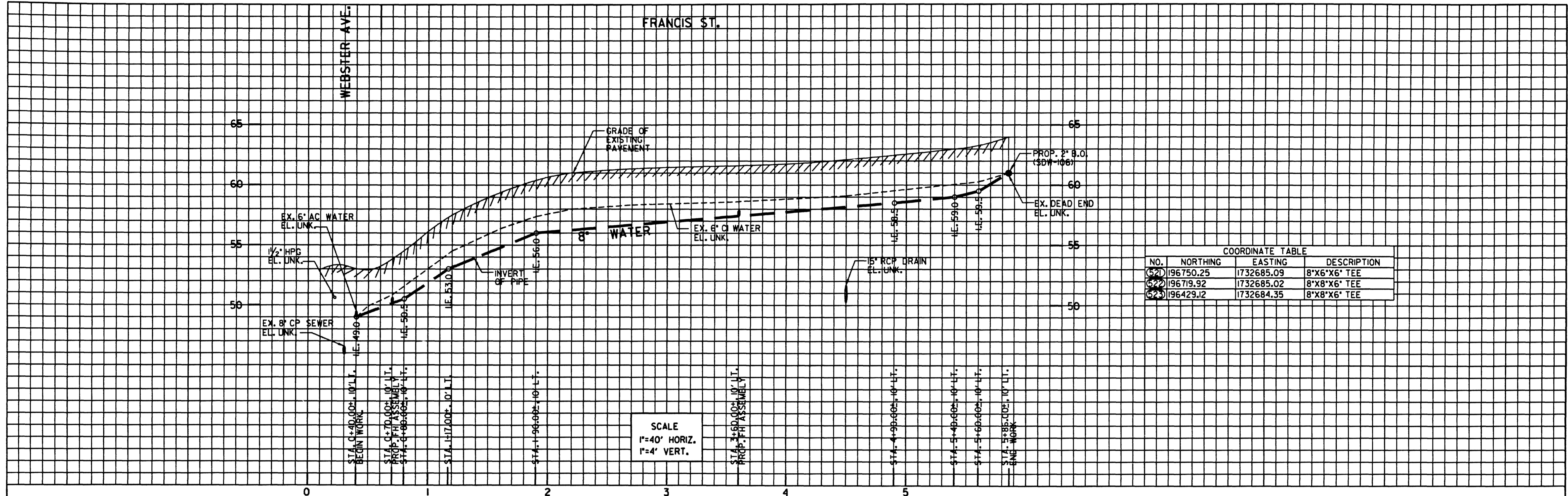
- ① BY CITY
STA. 0+40.00±, 10' RT.
FURNISH & INSTALL:
1- 8"x8"x6" TEE (F)
1- 8"x4" REDUCER BK.
1- 4" VALVE (F, MJ) BK.
1- 6" VALVE (F, MJ) RT.
10' - 8" PIPE, AHD.
20' - 6" PIPE, RT.
REMOVE EX. 6" VALVE, RT.
AFTER NEW MAIN IS ACCEPTED, RECONNECT.
- ② BY CONTRACTOR
STA. 0+61.00±, 10' RT.
FURNISH & INSTALL:
1- 8"x8"x6" TEE (MJ, F)
1- 6" FH ASSY. (3-WAY)(W-10)
REMOVE EX. FH.
- ③ BY CONTRACTOR
STA. 1+34.00±, 10' RT.
FURNISH & INSTALL:
1- 8"x8"x4" TEE (F)
1- 4" VALVE (F, MJ) LT.
CONNECT TO EXIST. 4" FS.
- ④ BY CITY
STA. 6+40.00±, 10' RT.
FURNISH & INSTALL:
1- 16"x12" CROSS (F)
1- 8"x12" REDUCER, BK.
1- 8" VALVE (F, MJ) BK.
1- 12" VALVE (F, MJ) AHD.
REMOVE EX. REDUCER AND VALVE, AHD.
AFTER NEW MAIN IS ACCEPTED, RECONNECT.



REFERENCE:
BENCH MARK: S.E.B.P., 39TH ST. & IMPERIAL AVE., ELEV. 124.471 (MSL)
FIELD NOTES: WENTWORTH, 194-1731, 7-16-90, W.O. NO. 171821 (SWR), 181431 (WTR), SHEETS 1 & 4 OF 11 SHEETS.
WATER: 13097-4-D, 16507-3-D, 6177-L, 5878-W
SEWER: 8646-L
STORM DRAIN: NONE
GAS: GAS BOOK 10, PAGES 393F, 392, GAS BOOK 5, PAGE 328
TELEPHONE: NONE
GATE BOOK: 1-23
100' SCALE: 194-1731
THOMAS BROS., PAGE 66, A3 (1993)

RETIREMENT:
620' - 8" CI - 1911
FH - 1

SEWER & WATER GROUP 492			
OCEAN VIEW BLVD. - 8" PIPE			
35TH ST. TO 36TH ST.			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 15 OF 34 SHEETS		WATER W.O. 181431 SEWER W.O. 171821	
ASST. UTILITY DIRECTOR	DATE 12/15/93	DEPUTY DIRECTOR	
DESCRIPTION ORIGINAL	BY MW/LT/1	DATE 12-7-93	
CONTROL CERTIFICATION		DESIGN ENGINEER	
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
		26067-15-D	



COORDINATE TABLE			
NO.	NORTHING	EASTING	DESCRIPTION
620	196750.25	1732685.09	8"x8"x6" TEE
622	196719.92	1732685.02	8"x8"x6" TEE
623	196429.12	1732684.35	8"x8"x6" TEE

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

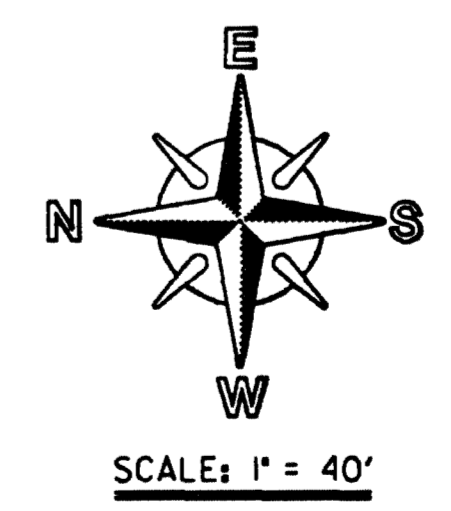
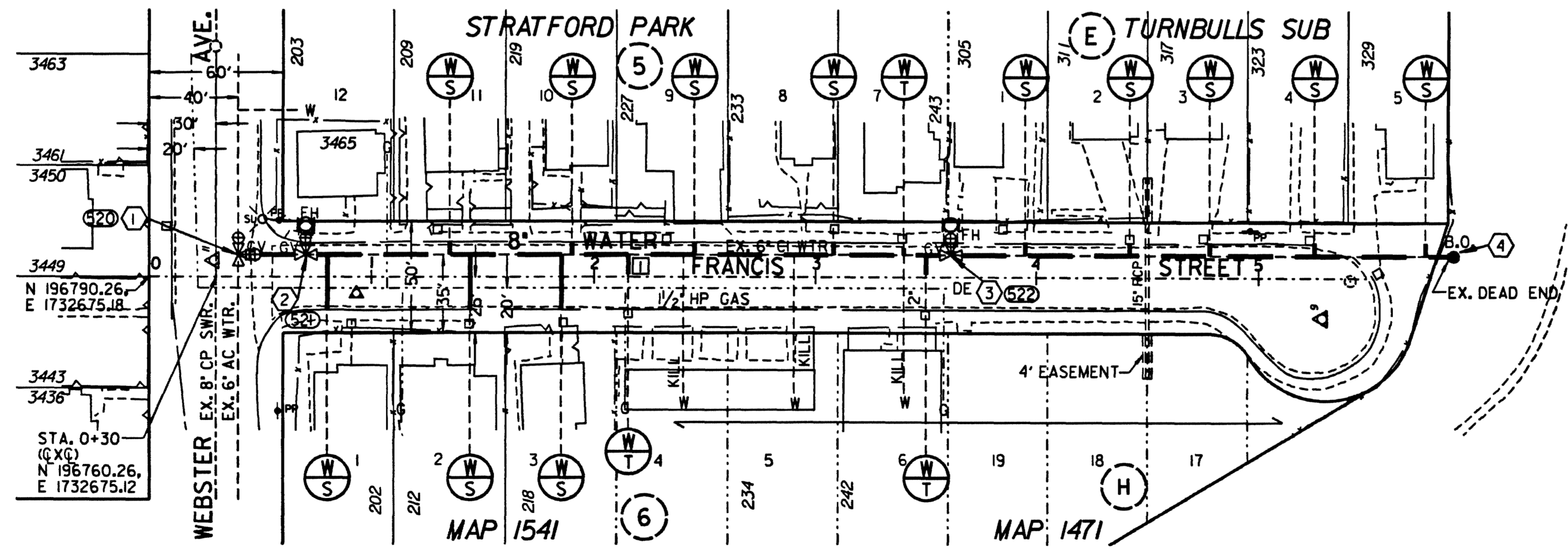
PROPOSED PIPE DATA TABLE				
NO.	Δ/BEARING	RADIUS	LENGTH	REMARKS
1	S00°07'59"W		545'	8" PIPE BY CONTRACTOR

FRANCIS STREET SHALL BE HIGHLINED BY CITY FORCES PRIOR TO CONSTRUCTION. CITY TO FURNISH ALL MATERIALS AND MAKE ALL CONNECTIONS.

REFERENCE:
 BENCH MARK: S.E.B.P., 39TH ST. & IMPERIAL AVE., ELEV. 124.471(MSL)
 FIELD NOTES: WENTWORTH, 194-1731, 7-16-90, W.O. NO. 171821(SWR), 181431 (WTR), SHEETS 1 & 3 OF 11 SHEETS.
 WATER: 6332-W, 9773-L
 SEWER: 369-D
 STORM DRAIN: 9773-L, 4666-B
 GAS: GAS BOOK 5, PAGES 311, 311B
 TELEPHONE: NONE
 GATE BOOK: 1-23
 100' SCALE: 196-1731
 THOMAS BROS.: PAGE 66, A3 (1993)

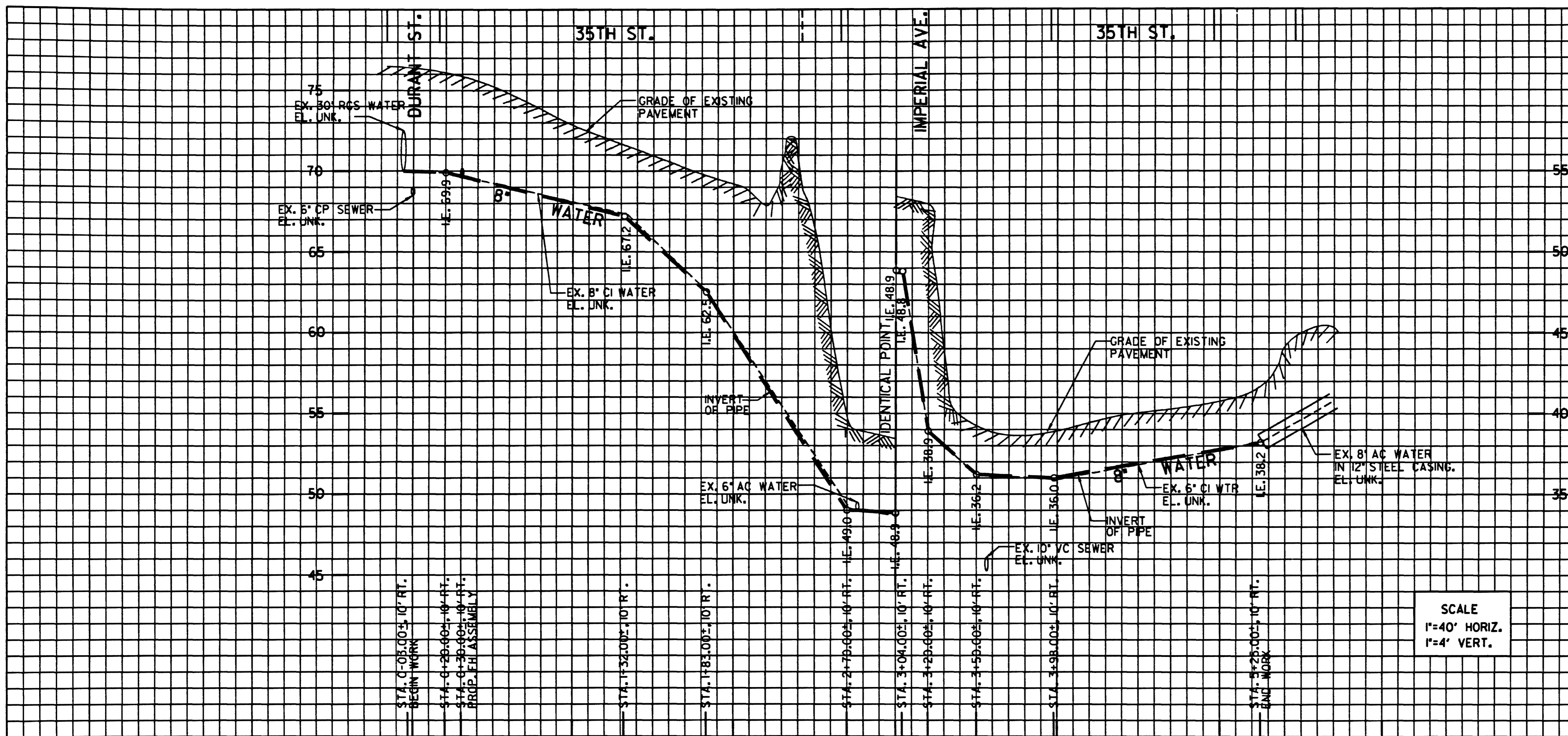
RETIREMENT:
 545' - 6" CI - 1910
 FH - 2

- ① BY CITY
 STA. 0+40.00±, 10' LT.
 FURNISH & INSTALL:
 1- 6"x6"x8" TEE (F)
 1- 8" VALVE (F, MJ) AHD.
 1- 6" VALVE (F, MJ) LT.
 AFTER NEW MAIN IS ACCEPTED, RECONNECT.
- ② BY CONTRACTOR
 STA. 0+70.00±, 10' LT.
 FURNISH & INSTALL:
 1- 8"x8"x6" TEE (MJ, MJ, F)
 1- 6" FH ASSY. (W-10)
 REMOVE EX. FH.
- ③ BY CONTRACTOR
 STA. 3+60.00±, 10' LT.
 FURNISH & INSTALL:
 1- 8"x8"x6" TEE (MJ, MJ, F)
 1- 6" FH ASSY. (W-10)
 REMOVE EX. FH.
- ④ BY CONTRACTOR
 STA. 5+85.00±, 10' LT.
 FURNISH & INSTALL:
 1- 2" BLOW OFF (SDW-106)



SEWER & WATER GROUP 492			
FRANCIS ST. - 8" PIPE			
WEBSTER AVE. TO END OF STREET			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 16 OF 34 SHEETS		WATER W.O. 181431 SEWER W.O. 171821	
ASST. UTILITIES DIRECTOR		DATE 12 15 93	DEPUTY DIRECTOR
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	MM/LT/LL	12-9-93	12-9-93
CONTROL CERTIFICATION			DESIGN ENGINEER
196-1731			LAMBERT COORDINATES
CONTRACTOR	DATE STARTED	INSPECTOR	DATE COMPLETED
			26067-16-D

FRANCIS ST.



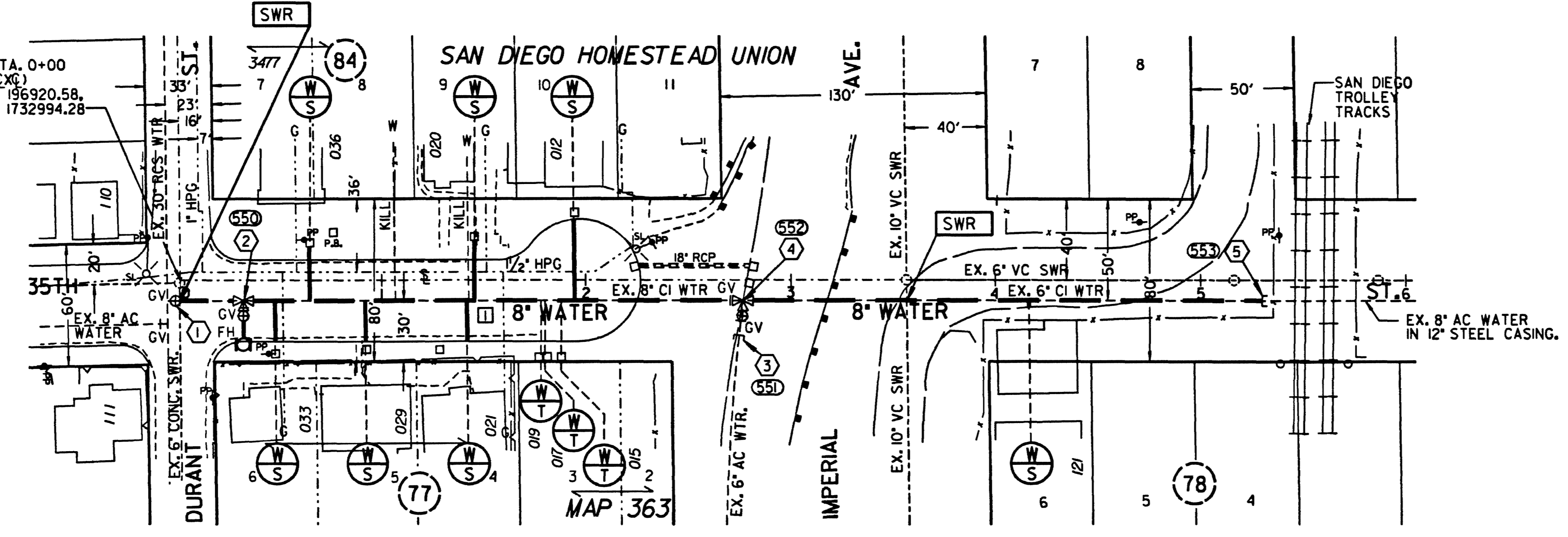
COORDINATE TABLE			
NO.	NORTHING	EASTING	DESCRIPTION
G50	196951.32	1733005.06	8"X8"X6" TEE
G51	197194.33	1733028.10	CUT & PLUG
G52	197196.61	1733011.25	8"X8"X6" TEE
G53	197450.16	1733017.66	CUT & PLUG

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

PROPOSED PIPE DATA TABLE				
NO.	Δ/BEARING	RADIUS	LENGTH	REMARKS
11	N01°26'48"E		533'	8" PIPE BY CONTRACTOR

35TH STREET SHALL BE HIGHLIGHTED BY CITY FORCES PRIOR TO CONSTRUCTION. CITY TO FURNISH ALL MATERIALS AND MAKE ALL CONNECTIONS.

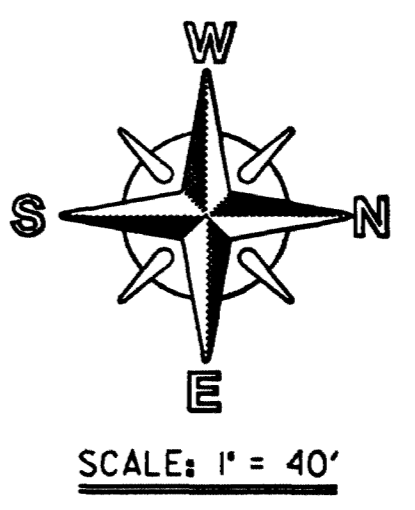
- ① BY CITY
STA. 0+03.00±, 10' RT.
FURNISH & INSTALL:
1- 8" VALVE (F, MJ)
AFTER NEW MAIN IS ACCEPTED,
RECONNECT.
- ② BY CONTRACTOR
STA. 0+30.00±, 10' RT.
FURNISH & INSTALL:
1- 8"X8"X6" TEE (WJ, MJ, F)
1- 6" FH ASSY. (W-10)
REMOVE EX. FH.
- ③ BY CITY
STA. 2+75.00±, 10' RT.
AHEAD OF CONTRACTOR
TEMP. CUT & PLUG, RT.
AFTER NEW MAIN IS ACCEPTED,
RECONNECT.
- ④ BY CONTRACTOR
STA. 2+75.00±, 10' RT.
FURNISH & INSTALL:
1- 8"X8"X6" TEE (F)
1- 6" VALVE (F, MJ) RT.
- ⑤ BY CITY
STA. 5+30.00±, 10' RT.
AHEAD OF CONTRACTOR
TEMP. CUT & PLUG, AND
CONNECT TO EX. 8" AC AFTER
NEW MAIN IS ACCEPTED.



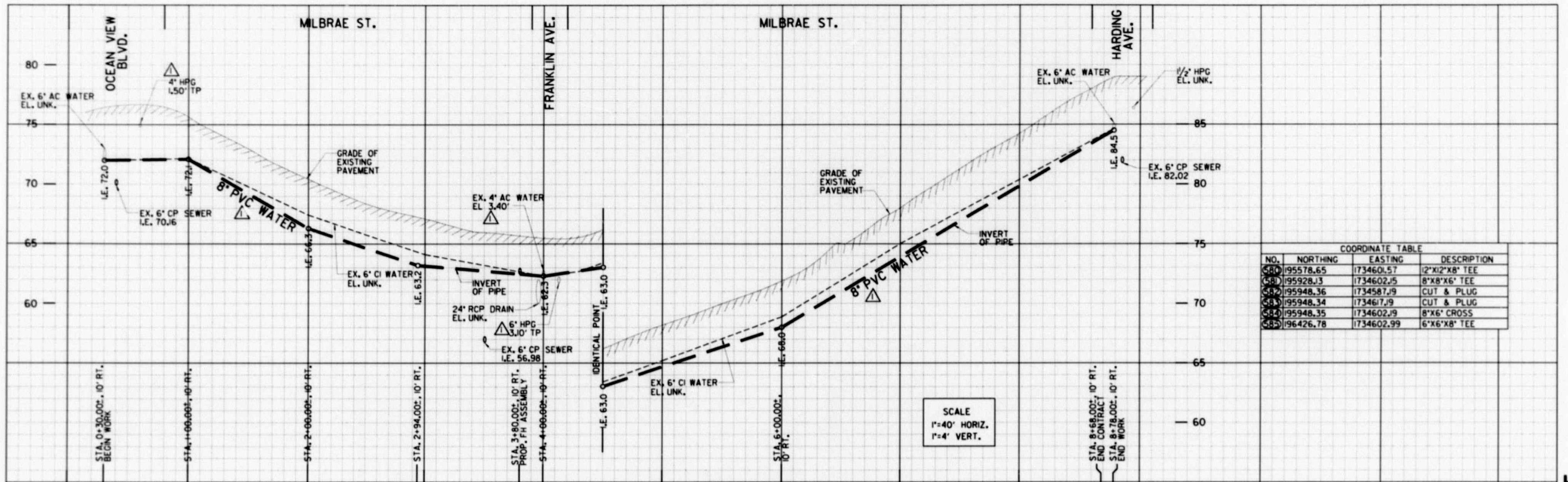
REFERENCE:
BENCH MARK: S.E.B.P., 39TH ST. & IMPERIAL AVE., ELEV. 124.471 (MSL)
FIELD NOTES: WENTWORTH, 194-1731, 7-16-90, W.O. NO. 171821 (SWR), 181431 (WTR), SHEETS 2 & 3 OF 11 SHEETS.
WATER: 10953-L, 13503-8-L, 10578-L, 14555-L, 6331-W, 2198-19-D
SEWER: 527-D, 6638-L, 2198-19-D
STORM DRAIN: 10953-L
GAS: GAS BOOK 5, PAGES 298, 303, 304, 31B
TELEPHONE: NONE
GATE BOOK: 1-23
100' SCALE: 196-1731
THOMAS BROS., PAGE 66, A2 (1993)

RETIREMENT:
278± - 8" CI - 1954
255± - 6" CI - 1926
FH - I

SEWER & WATER GROUP 492			
35TH ST. - 8" PIPE			
DURANT AVE. TO S.D.R.R.			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 18 OF 34 SHEETS		WATER W.O. 181431	SEWER W.O. 171821
ASST. UTILITIES DIRECTOR	DATE 12/5/93	Deputy Director	
DESCRIPTION	BY	APPROVED	DATE FILMED
ORIGINAL	MW/LT	U.B.	12-7-93
DESIGN ENGINEER		CONTROL CERTIFICATION	
		196-1731	
		LAMBERT COORDINATES	
CONTRACTOR	DATE STARTED	26067-18-D	
INSPECTOR	DATE COMPLETED		



35TH ST.

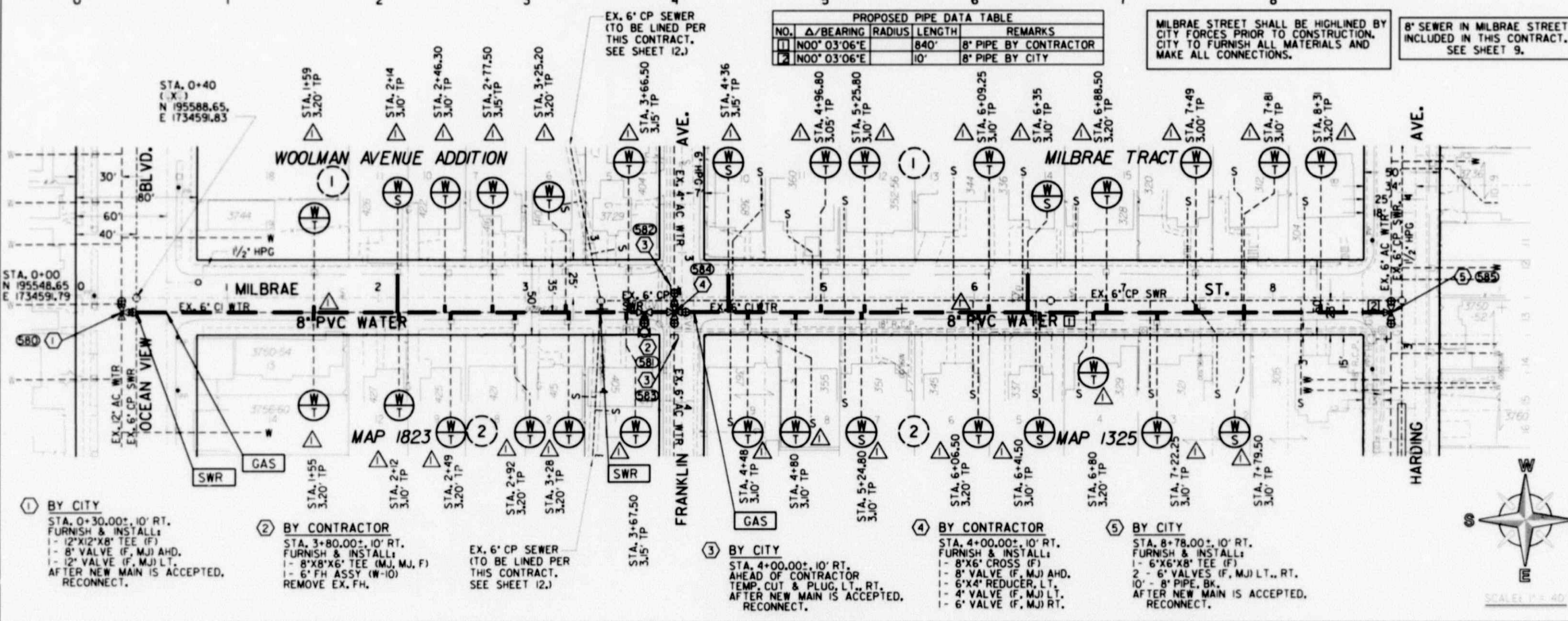


COORDINATE TABLE			
NO.	NORTHING	EASTING	DESCRIPTION
580	195578.65	173460.57	12\"/>

SCALE
1\"/>

PROPOSED PIPE DATA TABLE				
NO.	Δ/BEARING	RADIUS	LENGTH	REMARKS
1	N00° 03' 06\"/>			

MILBRAE STREET SHALL BE HIGHLIGHTED BY CITY FORCES PRIOR TO CONSTRUCTION. CITY TO FURNISH ALL MATERIALS AND MAKE ALL CONNECTIONS.



REFERENCE:
BENCH MARK: S.E.B.P., 39TH ST. & IMPERIAL AVE., ELEV. 124.471 (MSL)
FIELD NOTES: WENTWORTH, 194-1731, 7-16-90, W.O. NO. 171821 (SWR), 181431 (WTR), SHEETS 1, 3 & 4 OF 11 SHEETS.
WATER: 13097-5-D, 3597-L
SEWER: 3597-L
STORM DRAIN: 19441-D, 5367-L, 10374-2-D
GAS: GAS BOOK 5, PAGES 326, 326C, 326A, 326B
TELEPHONE: NONE
GATE BOOK: 1-23
100' SCALE: 196-1734, 194-1734
THOMAS BROS.: PAGE 66, A3 (1993)

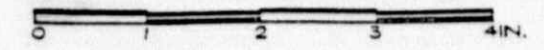
RETIREMENT:
850' - 6\"/>

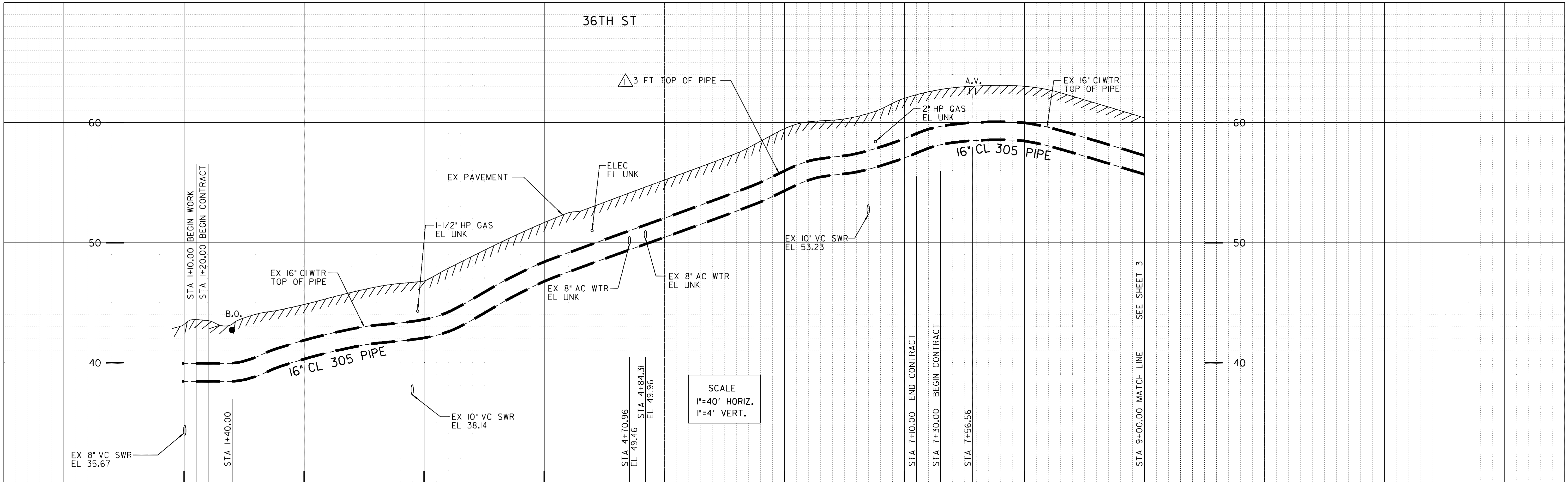
SEWER & WATER GROUP 492			
MILBRAE STREET - 8\"/>			
OCEAN VIEW BLVD. TO HARDING AVE.			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT	PROJECT NO. 181431	DATE 2-9-93	FILED 6-30-94
APPROVED BY: [Signature]	DATE 2-9-93	APPROVED BY: [Signature]	DATE 6-30-94
DESCRIPTION: ORIGINAL	DATE 2-9-93	FILED: [Signature]	DATE 6-30-94
AS-BUILT PER CITY INSPECTOR	DATE 0-3-94	PROJECT NO. 196-1734, 194-1734	DATE 0-0-94
AS-BUILT PER CITY INSPECTOR	DATE 0-0-94	PROJECT NO. 26067-20-0	DATE 0-0-94

AS-BUILT

MILBRAE STREET

FILED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.





① BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR
 STA 1+10.00
 CUT AND PLUG:
 EX 16" CI WTR
 RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.

② BY CONTRACTOR FURNISH AND INSTALL
 STA 1+40.00
 1- 4" BLOW-OF ASSY, RT

③ BY CONTRACTOR FURNISH AND INSTALL
 STA 4+70.96
 1- 16"x8" TEE (F, F, MJ)
 1- 16" BV (F, MJ) BK
 1- 8" GV (F, MJ) RT

⑥ BY CITY FORCES AHD OF CONTRACTOR
 STA 4+84.31, 15' LT
 CUT AND PLUG:
 EX 8" AC WTR
 RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.

⑦ BY CITY FORCES AHD OF CONTRACTOR
 STA 7+20.00
 CUT AND PLUG:
 EX 16" CI WTR
 (TO PHASE WORK)
 RECONNECT AFTER PHASE 2 HAS BEEN ACCEPTED.

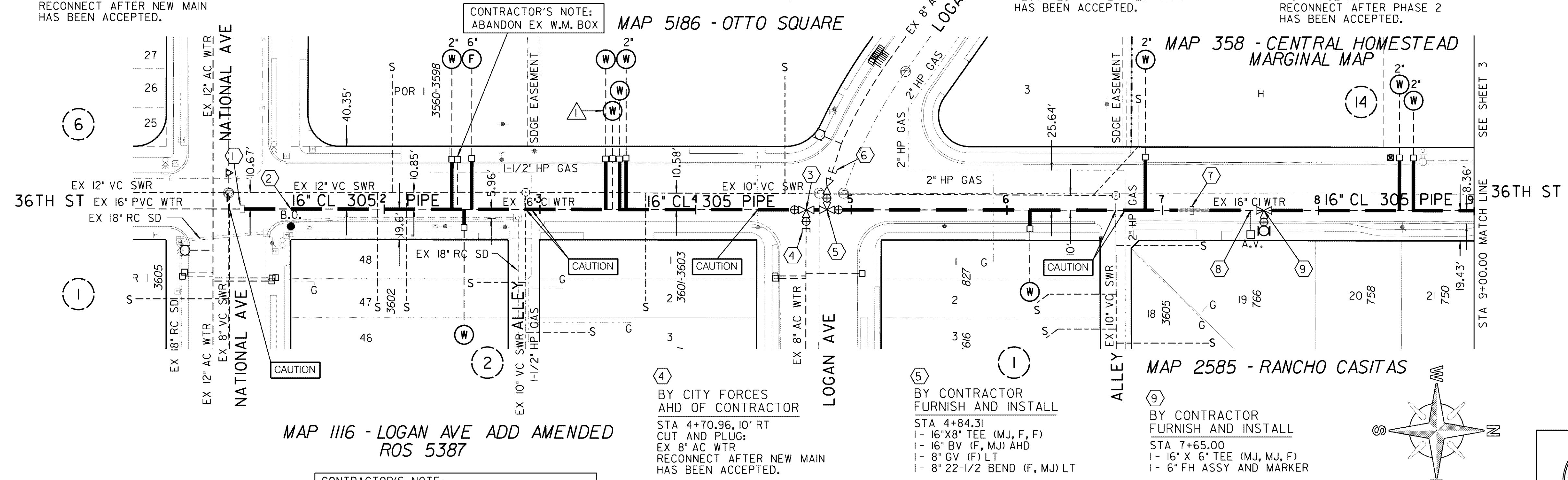
⑧ BY CONTRACTOR FURNISH AND INSTALL
 STA 7+56.56
 1- 2" AIR/VACUUM VALVE ASSY, RT

REFERENCE:
 WATER: 35036-09-D
 SEWER: 15179-3-D
 STORM DRAIN: 19496-2-D
 GAS: 10-408, 10-409, 10-451, 10-452
 ELECTRIC: 192-1731, 194-1731
 CABLE TV: COX COMMUNICATIONS DRAWING
 TELEPHONE: NONE
 IMPROVEMENTS: NONE
 100' SCALE/FIELD BOOK: 1235, 1245
 THOMAS BROS.: 1289 G5
 HGL: 390

RETIREMENTS:
 16" - CI - 800' - UNK
 1" SERVICE - 5 - COPPER - UNK
 2" SERVICE - 5 - COPPER - UNK
 6" FIRE SERVICE - 1 - COPPER - UNK

HIGHLINING NOTES:
 CITY FORCES TO HIGHLINE 36TH ST.
 FROM STA 1+00 TO STA 9+00
 CITY FORCES TO FURNISH HIGHLINE MATERIALS
 AND TRANSFER SERVICES

NOTE:
 BV: BUTTERFLY VALVE
 GV: GATE VALVE



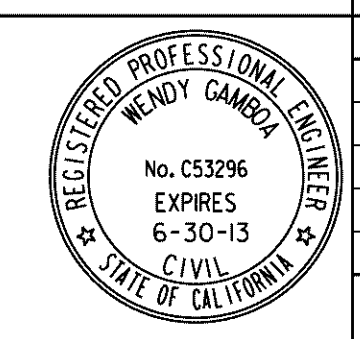
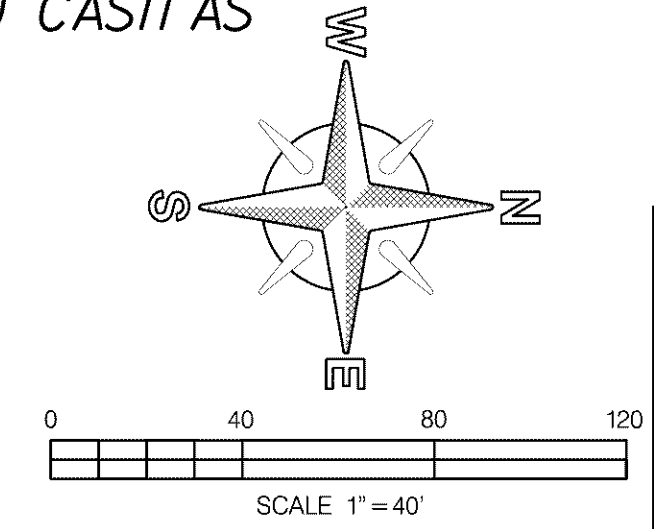
MAP 1116 - LOGAN AVE ADD AMENDED ROS 5387

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

④ BY CITY FORCES AHD OF CONTRACTOR
 STA 4+70.96, 10' RT
 CUT AND PLUG:
 EX 8" AC WTR
 RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.

⑤ BY CONTRACTOR FURNISH AND INSTALL
 STA 4+84.31
 1- 16"x8" TEE (MJ, F, F)
 1- 16" BV (F, MJ) AHD
 1- 8" GV (F) LT
 1- 8" 22-1/2 BEND (F, MJ) LT

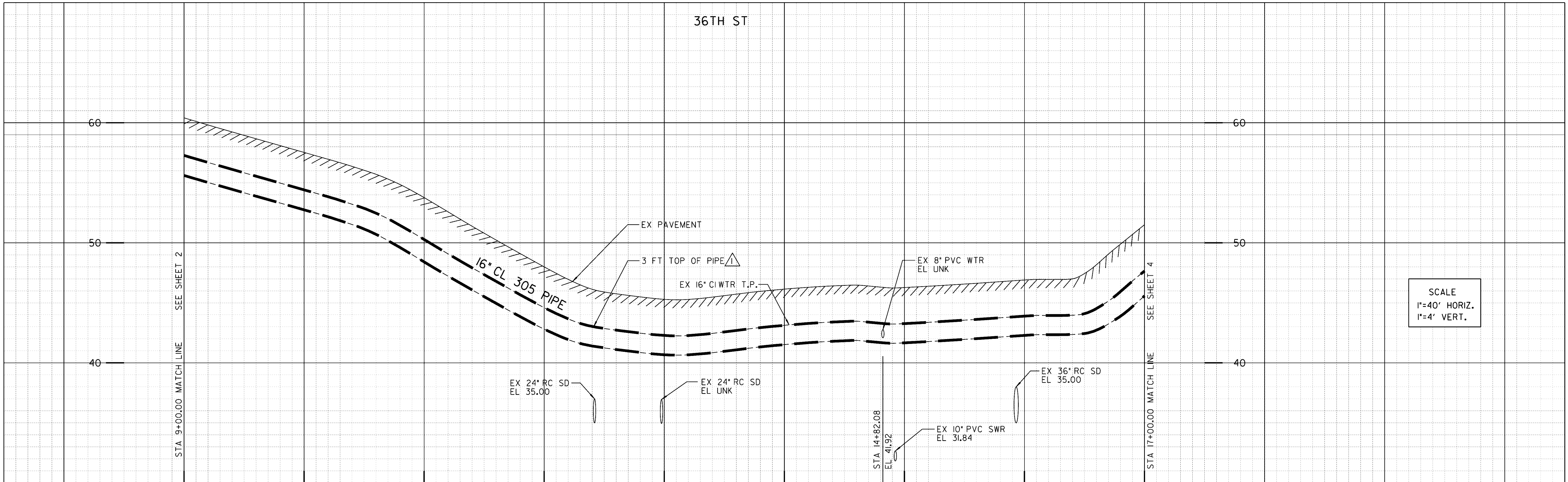
⑨ BY CONTRACTOR FURNISH AND INSTALL
 STA 7+65.00
 1- 16" X 6" TEE (MJ, MJ, F)
 1- 6" FH ASSY AND MARKER



WATER GROUP 935 36TH STREET NATIONAL AVE TO STA 9+00.00				WATER WBS	B11005
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 2 OF 11 SHEETS				SEWER WBS	N/A
APPROVED	DATE	FOR CITY ENGINEER	DATE	FOR CITY ENGINEER	DATE
<i>[Signature]</i>	08-10-12				
DESCRIPTION	BY	APPROVED	DATE	FILMED	DATE
ORIGINAL	MW/JM				
AS-BUILT PER CITY INSPECTOR	12/13		1/28/14		
CONTRACTOR: KTA CONST. INC. DATE STARTED: 01-30-13				PROJECT ENGINEER: MAHYAR NAVIZI	
INSPECTOR: JOHN KLUMUSZKO DATE COMPLETED: 09-20-13				COORDINATOR: 194-173	
				COORDINATOR: 6292407, 1834444	
				COORDINATOR: 36394-02-D	

AS-BUILT

36TH STREET



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

MAP 358 - CENTRAL HOMESTEAD MARGINAL MAP

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

MAP 3359 -TORNO SUB
MAP 358 - CENTRAL HOMESTEAD MARGINAL MAP

REFERENCE:

WATER: 6177-L, 26067-17-D
SEWER: 26067-17-D, 28414-03-D
STORM DRAIN: 5025-B, 3977-B, 1102-L
GAS: 10-391, 10-393-D, 10-393F
ELECTRIC: 194-1731
CABLE TV: NONE
TELEPHONE: MS0903CD.DGN, MS0905AB.DGN
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: 123S
THOMAS BROS.: 1289 G5
HGL: 390

RETIREMENTS:

16" - CI - 800' - 1943
3/4" SERVICE - 10 - COPPER - 1943
2" SERVICE - 2 - COPPER - 1943

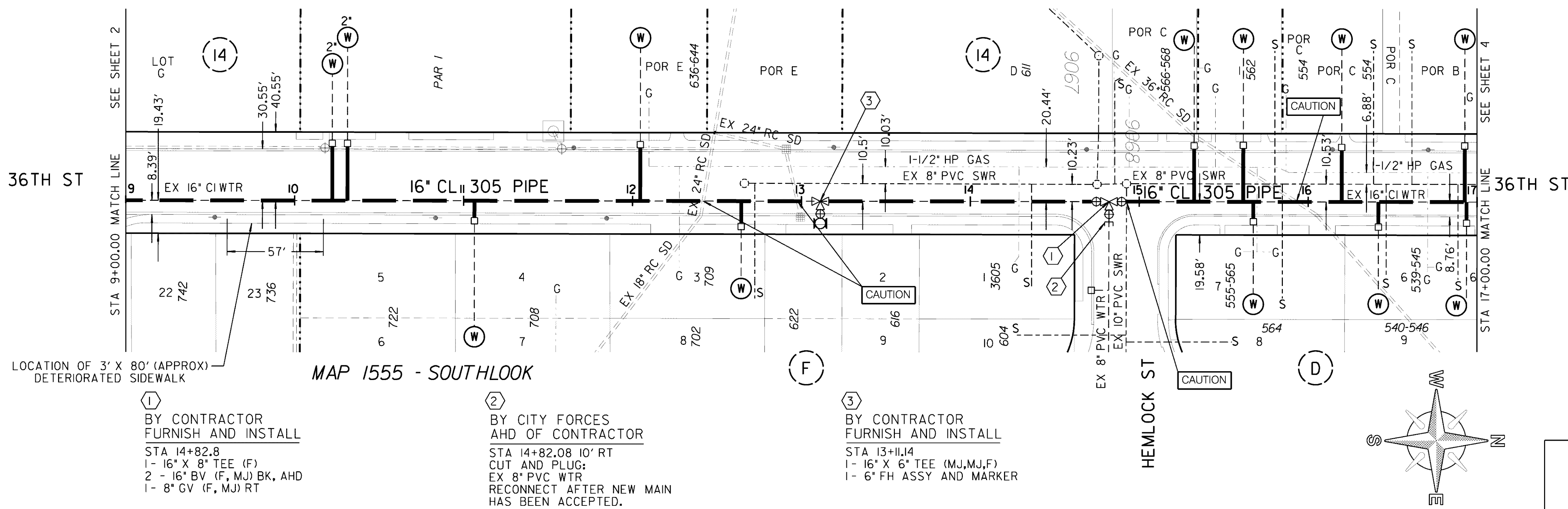
HIGHLINING NOTES:

CITY FORCES TO HIGHLINE 36TH ST.
FROM STA 9+00 TO STA 17+00
CITY FORCES TO FURNISH HIGHLINE MATERIALS
AND TRANSFER SERVICES

NOTE:

BV: BUTTERFLY VALVE
GV: GATE VALVE

C-2

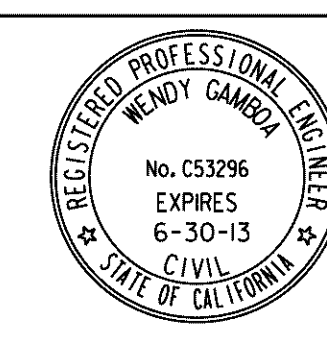
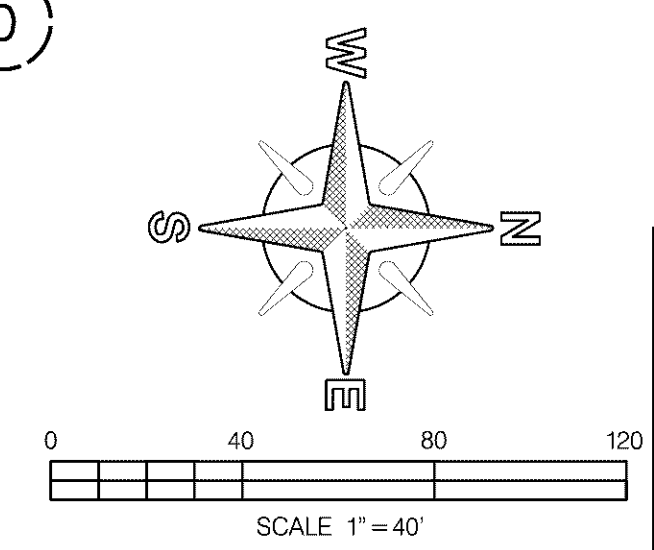


MAP 1555 - SOUTHLLOOK

- ① BY CONTRACTOR
FURNISH AND INSTALL
STA 14+82.8
1- 16" X 8" TEE (F)
2- 16" BV (F, MJ) BK, AHD
1- 8" GV (F, MJ) RT

- ② BY CITY FORCES
AHD OF CONTRACTOR
STA 14+82.08 10' RT
CUT AND PLUG:
EX 8" PVC WTR
RECONNECT AFTER NEW MAIN
HAS BEEN ACCEPTED.

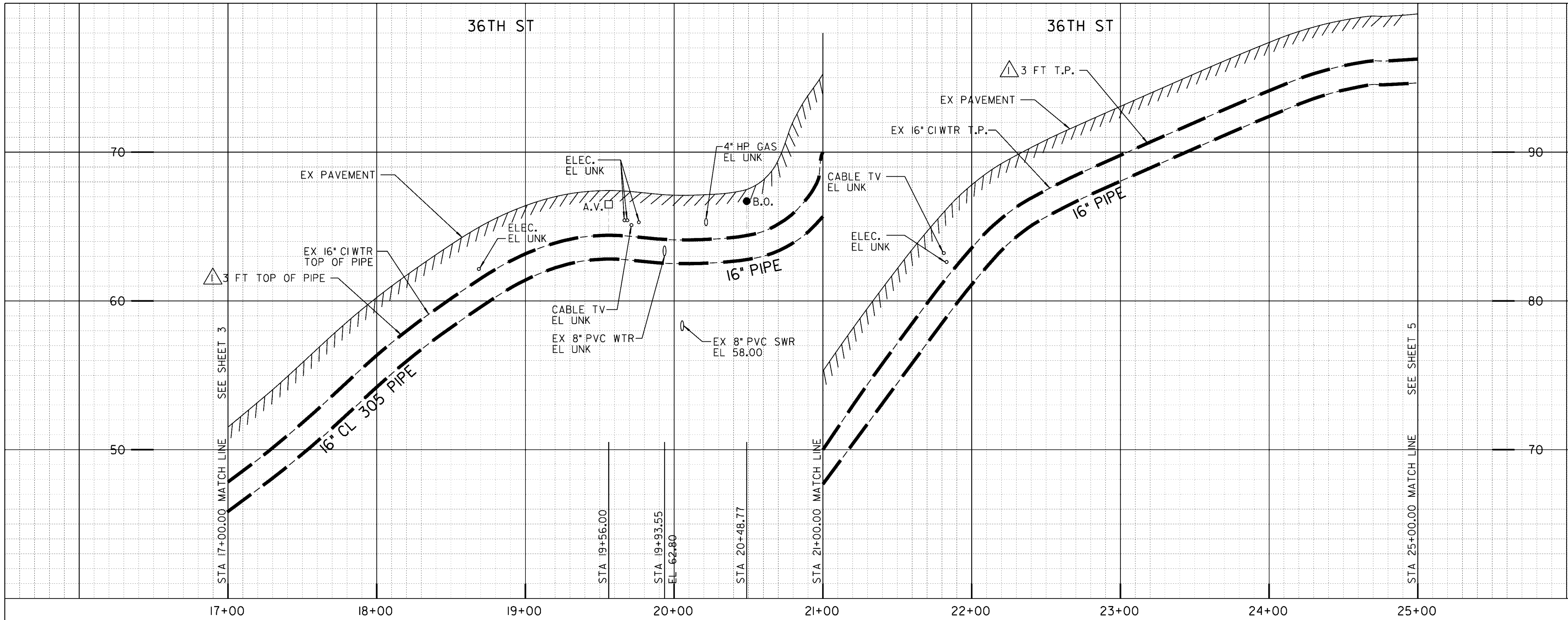
- ③ BY CONTRACTOR
FURNISH AND INSTALL
STA 13+11.4
1- 16" X 6" TEE (MJ, MJ, F)
1- 6" FH ASSY AND MARKER



WATER GROUP 935
36TH STREET
STA 9+00.00 TO STA 17+00.00

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 3 OF 11 SHEETS				WATER WBS B11005
APPROVED: <i>[Signature]</i> 08-10-12 FOR CITY ENGINEER DATE				SEWER WBS N/A
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	MW/JM			
DESIGNED BY: MAHYAR NAVIZI PROJECT ENGINEER				194-173 CCS27 COORDINATE
CONTRACTOR: KTA CONST. INC. DATE STARTED: 01-30-13				6292407, 1834444 CCS83 COORDINATE
INSPECTOR: JOHN KLIMUSZKO DATE COMPLETED: 09-20-13				36394-03-D

AS-BUILT



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

MAP 358 - CENTRAL HOMESTEAD MARGINAL MAP MAP 472 - LONG & HICKOK'S SUB REFILED MAP 1471 - TURNBULLS SUB

NOTE:
CONTRACTOR TO VERIFY LOCATION OF EXISTING VALVES AT STA 19+93.55 PRIOR TO CITY FORCES WORK.

CONTRACTOR'S NOTE:
ABANDON EX 2" A.V. & VAULT

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

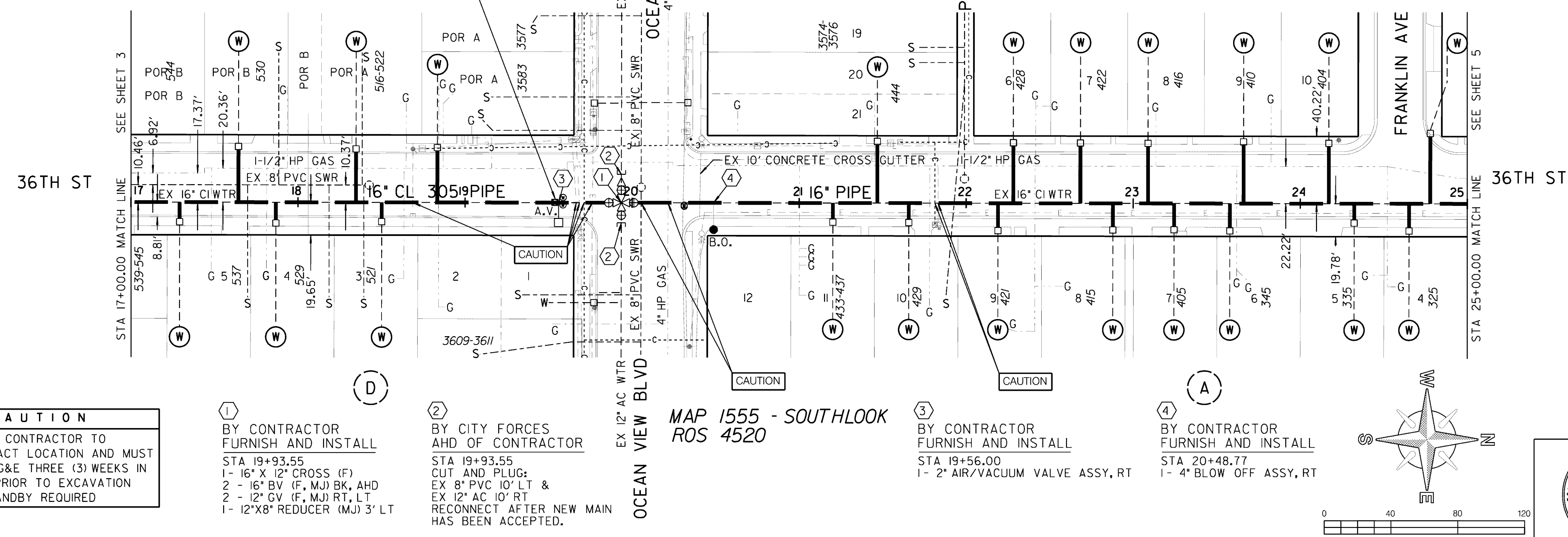
REFERENCE:
WATER: 6177-L, 26067-15-D
SEWER: 28414-04-D
STORM DRAIN: NONE
GAS: 5-327, 10-392, 10-393-D,
ELECTRIC: 194-1731
CABLE TV: COX COMMUNICATIONS DRAWING
TELEPHONE: MS0903CD.DGN
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: 1235
THOMAS BROS.: 1289 G5
HGL: 390

RETIREMENTS:
16" - CI - 800' - 1943
1" SERVICE - 21 - COPPER - 1943

HIGHLINING NOTES:
CITY FORCES TO HIGHLINE 36TH ST. FROM STA 17+00 TO STA 25+00
CITY FORCES TO FURNISH HIGHLINE MATERIALS AND TRANSFER SERVICES

NOTE:
BV: BUTTERFLY VALVE
GV: GATE VALVE

C-3



CAUTION
4" HP GASI CONTRACTOR TO VERIFY EXACT LOCATION AND MUST NOTIFY SDG&E THREE (3) WEEKS IN ADVANCE PRIOR TO EXCAVATION SDG&E STANDBY REQUIRED

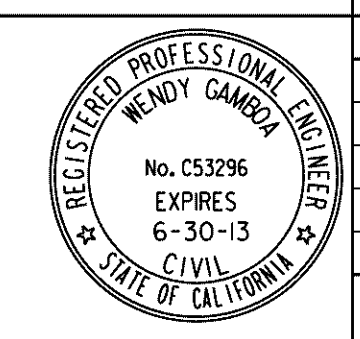
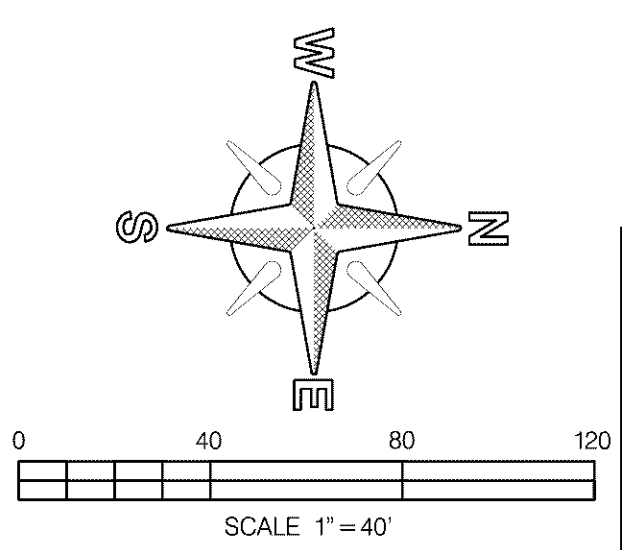
① BY CONTRACTOR FURNISH AND INSTALL
STA 19+93.55
1- 16" X 12" CROSS (F)
2 - 16" BV (F, MJ) BK, AHD
2 - 12" GV (F, MJ) RT, LT
1- 12"X8" REDUCER (MJ) 3' LT

② BY CITY FORCES AHD OF CONTRACTOR
STA 19+93.55
CUT AND PLUG:
EX 8" PVC 10' LT &
EX 12" AC 10' RT
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.

MAP 1555 - SOUTHLINK ROS 4520

③ BY CONTRACTOR FURNISH AND INSTALL
STA 19+56.00
1- 2" AIR/VACUUM VALVE ASSY, RT

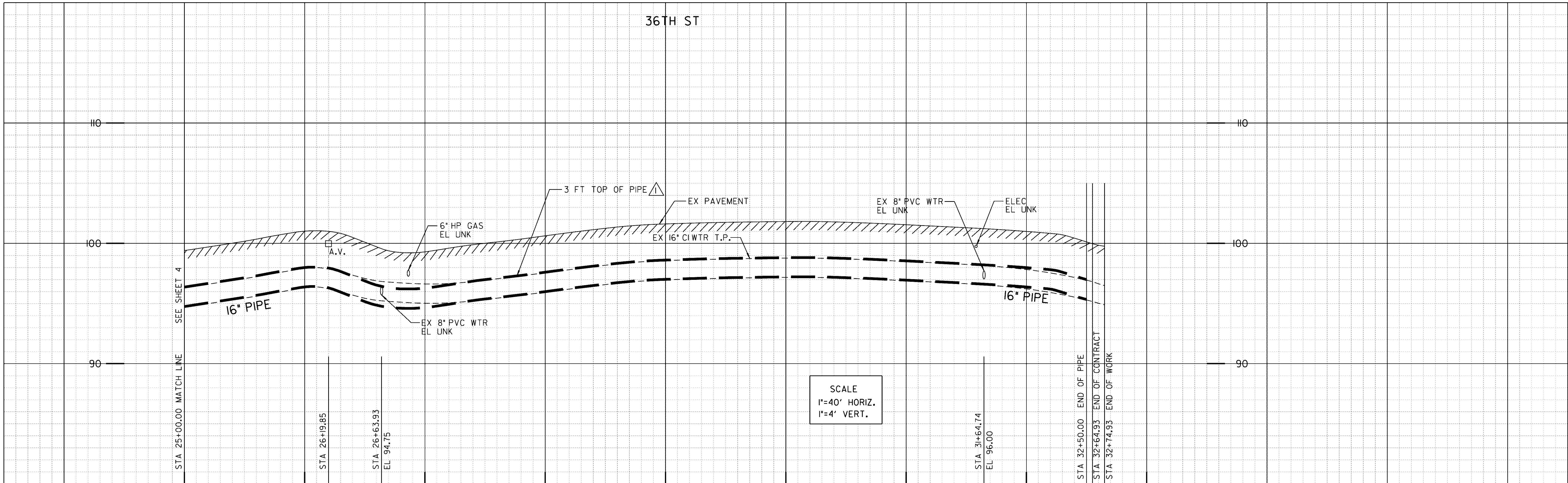
④ BY CONTRACTOR FURNISH AND INSTALL
STA 20+48.77
1- 4" BLOW OFF ASSY, RT



WATER GROUP 935 36TH STREET STA 17+00.00 TO FRANKLIN AVE			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 4 OF 11 SHEETS		WATER WBS B11005	SEWER WBS N/A
APPROVED: <i>[Signature]</i>	DATE: 08-10-12	SUBMITTED BY: LUIS SCHAAR ASSOCIATE ENGINEER	
DESCRIPTION: ORIGINAL	BY: MNV/JM	DATE: 1/28/14	FILED: 194-173 CCS27 COORDINATE 6292407, 1834444 CCS83 COORDINATE
AS-BUILT PER CITY INSPECTOR	12/13	1/28/14	CONTRACTOR: KTA CONST. INC. DATE STARTED: 01-30-13 INSPECTOR: JOHN KLIMUSZKO DATE COMPLETED: 09-20-13
			36394-04-D

AS-BUILT

36TH STREET



NOTE:
CONTRACTOR TO VERIFY LOCATION OF
EXISTING VALVES AT STA 26+63.93
PRIOR TO CITY FORCES WORK.

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

REFERENCE:
WATER: 6176-L, 26067-21-D
SEWER: NONE
STORM DRAIN:
GAS: 5-327A, 5-328
ELECTRIC: 196-1731B
CABLE TV: COX COMMUNICATIONS DRAWING
TELEPHONE: CS1207AA.DGN, CS1207AD.DGN, CS1207CB.DGN
IMPROVEMENTS: NONE
100' SCALE/FIELD BOOK: I23S
THOMAS BROS.: I289 G4, I289 G5
HGL: 390

RETIREMENTS:
16" - CI - 774.93' - 1943
3/4" SERVICE - 33 - COPPER - 1943
1" TRANSFER SERVICE - 1 - COPPER - UNK

HIGHLINING NOTES:
CITY FORCES TO HIGHLINE 36TH ST.
FROM STA 25+00 TO STA 32+74.93
CITY FORCES TO FURNISH HIGHLINE MATERIALS
AND TRANSFER SERVICES

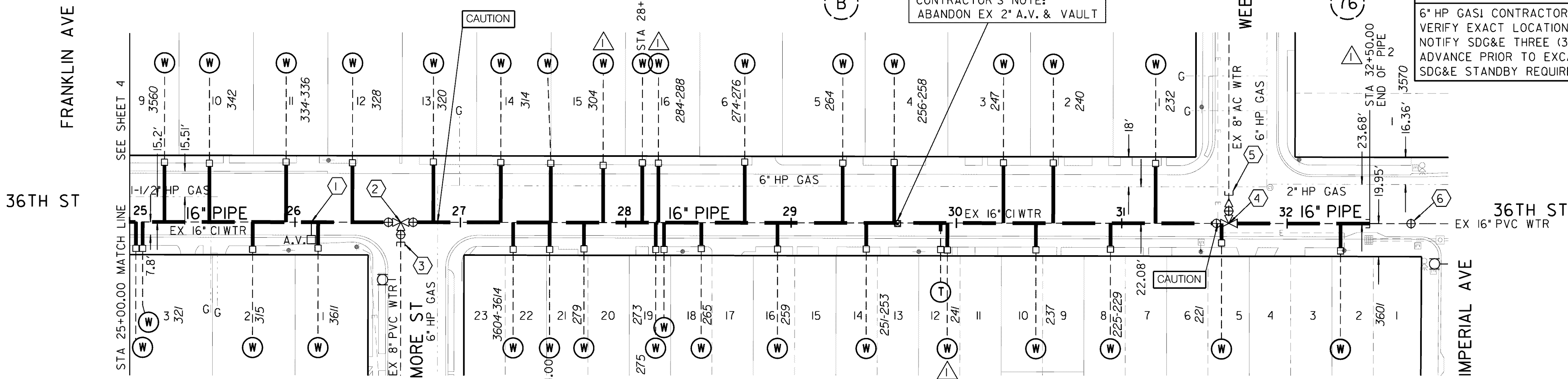
NOTE:
BV: BUTTERFLY VALVE
GV: GATE VALVE

C-4

MAP 1471 - TURNBULLS SUB

MAP 1541 - STRATFORD PK

CAUTION
6" HP GAS! CONTRACTOR TO
VERIFY EXACT LOCATION AND MUST
NOTIFY SDG&E THREE (3) WEEKS IN
ADVANCE PRIOR TO EXCAVATION
SDG&E STANDBY REQUIRED



① BY CONTRACTOR
FURNISH AND INSTALL
STA 26+19.85
1 - 2" AIR/VACUUM VALVE ASSY, RT

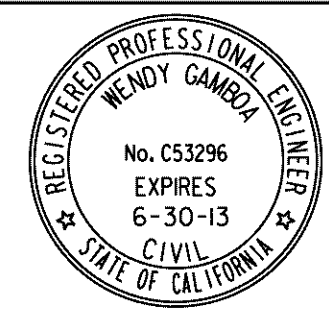
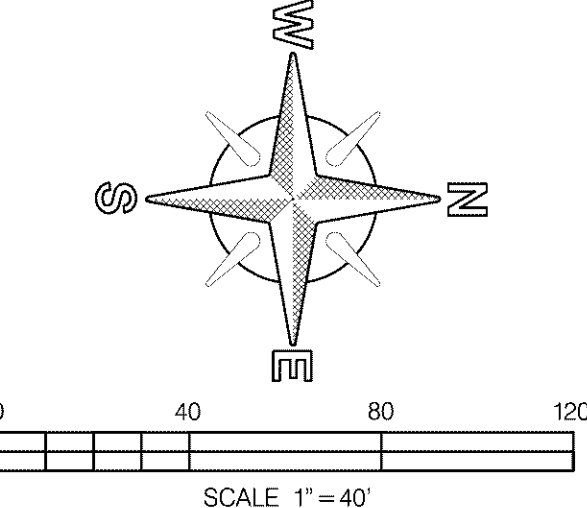
② BY CONTRACTOR
FURNISH AND INSTALL
STA 26+63.93
1 - 16" X 8" TEE (F)
2 - 16" BV (F, MJ) BK, AHD
1 - 8" GV (F, MJ) RT

③ BY CITY FORCES
AHD OF CONTRACTOR
STA 26+63.93 10' RT
CUT AND PLUG:
EX 8" PVC WTR
RECONNECT AFTER NEW MAIN
HAS BEEN ACCEPTED.

④ BY CONTRACTOR
FURNISH AND INSTALL
STA 31+70.00
1 - 16" X 8" TEE (F)
1 - 16" BV (F, MJ), BK
1 - 8" GV (F, MJ) LT

⑤ BY CITY FORCES
AHD OF CONTRACTOR
STA 31+64.74 10' LT
CUT AND PLUG:
EX 8" AC WTR
RECONNECT AFTER NEW MAIN
HAS BEEN ACCEPTED.

⑥ BY CITY FORCES
AHD OF CONTRACTOR
STA 32+74.93
CITY FORCES TO CLOSE EX 16" VALVE
CONNECT TO NEW MAIN AFTER MAIN
HAS BEEN ACCEPTED AND OPEN VALVE.

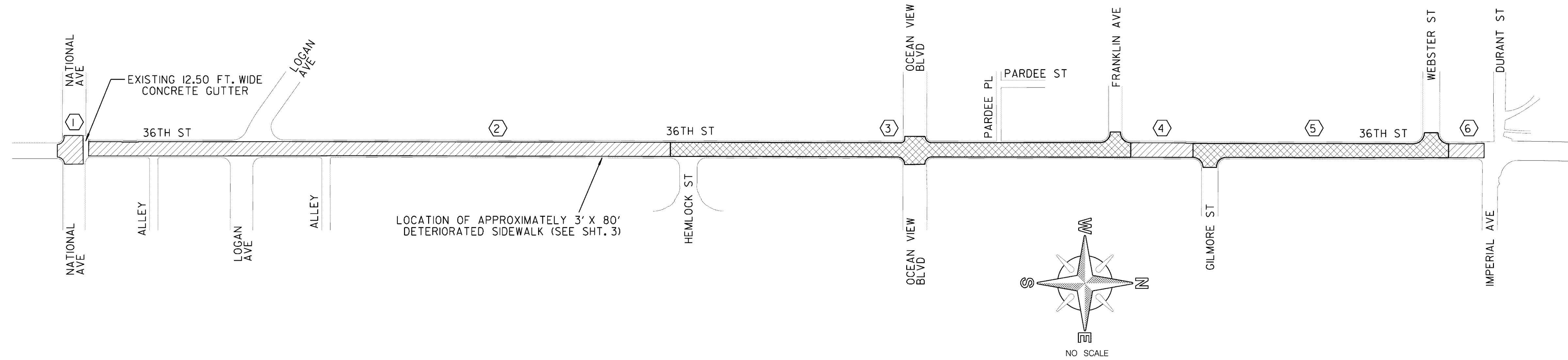


WATER GROUP 935 36TH STREET STA. 25+00 TO STA 32+74.93			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 5 OF 11 SHEETS		WATER WBS B11005	SEWER WBS N/A
APPROVED: <i>[Signature]</i> FOR CITY ENGINEER	DATE: 08-10-12	SUBMITTED BY: LUIS SCHAAR ASSOCIATE ENGINEER	
DESCRIPTION ORIGINAL	BY MN/JM	APPROVED	DATE 1/28/14
AS-BUILT PER CITY INSPECTOR	12/13		
CONTRACTOR: KTA CONST. INC. DATE STARTED: 01-30-13		INSPECTOR: JOHN KLIMUSZKO DATE COMPLETED: 09-20-13	
		6292407, 1834444 CCS27 COORDINATE CCS83 COORDINATE	
		36394-05-D	

AS-BUILT

36TH STREET

STREET RESURFACING

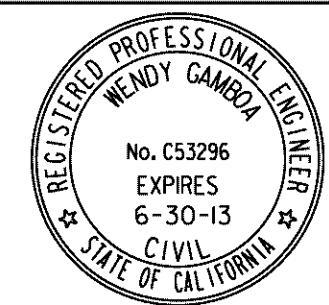


PAVING SCHEDULE NOTES						
NO.	LOCATION	RESTORATION REQUIRED	STATION	STATION	WIDTH	APPROX. AREA
①	36TH ST	SLURRY SEAL	0+61.43	1+20.25	65'	3524.98
②	36TH ST	SLURRY SEAL	1+32.52	14+50.97	40'	51563.52
③	36TH ST	RESURFACE AC	14+50.97	24+94.64	40'	43255.24
④	36TH ST	SLURRY SEAL	24+94.64	26+35.49	40'	5604.03
⑤	36TH ST	RESURFACE AC	26+35.49	32+15.22	40'	24313.69
⑥	36TH ST	SLURRY SEAL	32+15.22	32+93.19	40'	2991.86
TOTAL AREA OF SLURRY SEAL						63684.39 SF
TOTAL AREA OF RESURFACE AC						67568.93 SF

LEGEND	
	APPROXIMATE LOCATION OF SLURRY SEAL
	APPROX. LIMITS OF RESURFACE AC OVERLAY
	LOCATION PER PAVING SCHEDULE NOTES (THIS SHEET)
	COLD MILLING ASPHALT CONCRETE PAVEMENT; SDG-139

C-5

WATER GROUP 935 STREET RESURFACING			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 6 OF 11 SHEETS		WATER WBS B11005 SEWER WBS N/A	
APPROVED BY: <i>[Signature]</i> FOR CITY ENGINEER	DATE: 08-10-12	SUBMITTED BY: LUIS SCHAAR ASSOCIATE ENGINEER	
DESCRIPTION: ORIGINAL	BY: MN/JM	APPROVED: [Signature]	
DATE: 12/13	FILED: 1/28/14	CHANGED BY: MAHYAR NAVIZI PROJECT ENGINEER	
AS-BUILT PER CITY INSPECTOR	DATE COMPLETED: 09-20-13	SEE SHEETS CCS27 COORDINATE	
CONTRACTOR: KTA CONST. INC.	DATE STARTED: 01-30-13	SEE SHEETS CCS83 COORDINATE	
INSPECTOR: JOHN KLIMUSZKO	DATE COMPLETED: 09-20-13	36394-06-D	



AS-BUILT

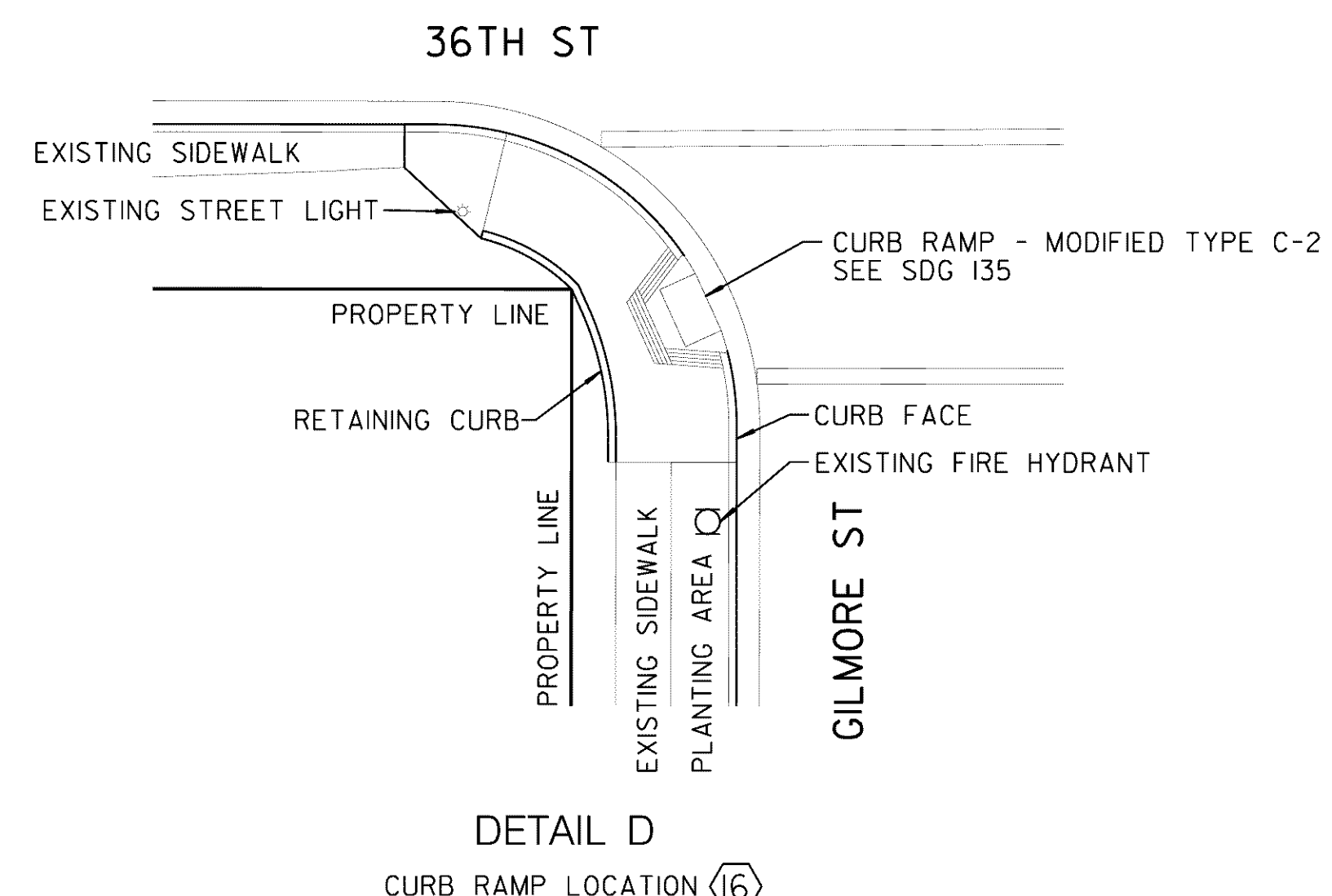
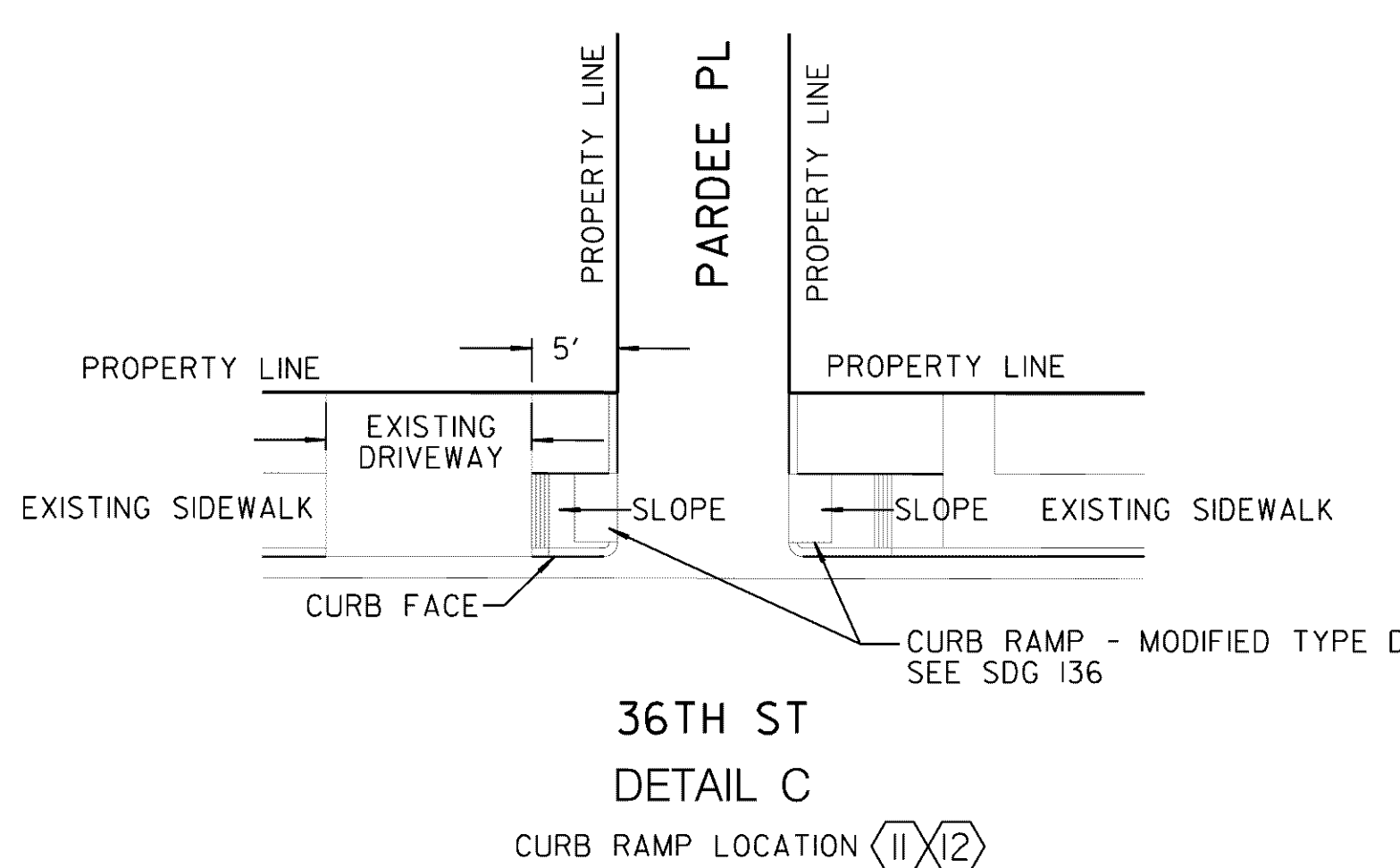
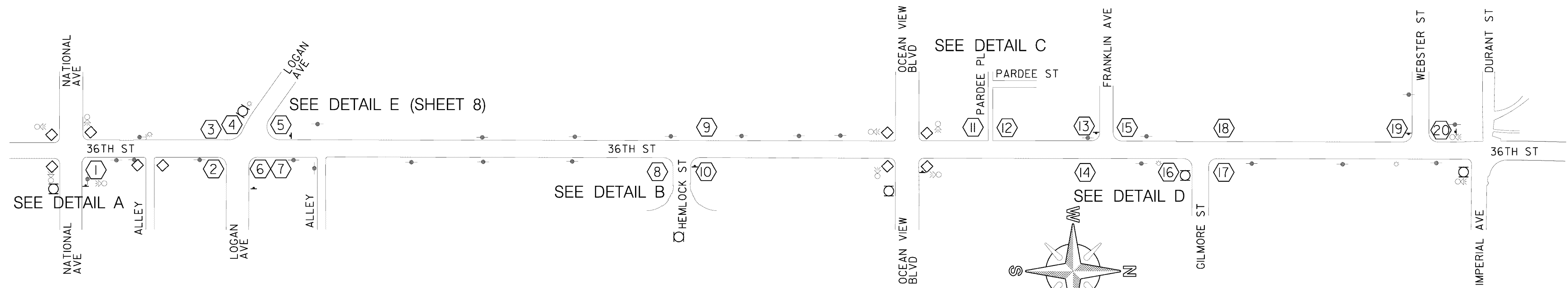
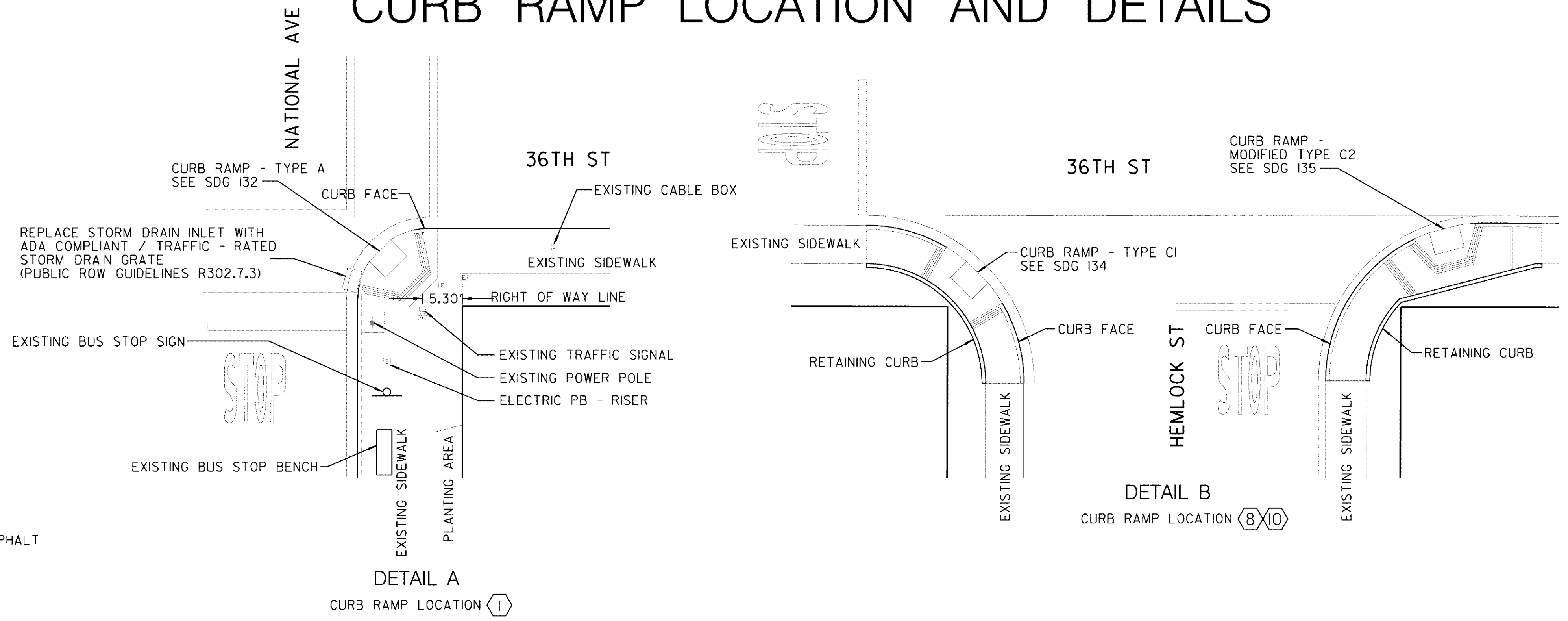
STREET RESURFACING

CURB RAMP NOTES TABLE

LOCATION NO.	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	TRUNCATED DOME MATERIAL		CONSTRAINTS	COMMENTS / MODIFICATIONS
					STAINLESS STEEL	OTHER		
1	A	-	X	X	X	-	NO	REPLACE STORM DRAIN INLET WITH ADA COMPLIANT GRATE.
2	C2	-	X	-	X	-	NO	N/A
3	A	X	-	-	X	-	NO	N/A
4	C2	-	X	-	X	-	NO	N/A
5	C2	X	-	-	X	-	NO	N/A
6	C2	-	X	-	X	-	NO	N/A
7	C2	X	-	-	X	-	NO	N/A
8	C1	-	X	-	X	-	NO	INSTALL AT LEVEL AREA
9	C2	X	-	-	X	-	NO	PROVIDE A 6" RETAINING CURB BEHIND CURB RAMP
10	C2	-	X	-	X	-	NO	RECONFIGURE CROSSWALK, STOP BARS & MARKINGS. MOVE EXISTING CURB RAMP
11	D	-	X	-	X	-	NO	BLEND SLOPE WITH DRIVEWAY
12	D	-	X	-	X	-	NO	N/A
13	C2	-	X	-	X	-	NO	PROVIDE A 6" RETAINING CURB BEHIND CURB RAMP
14	B	X	-	-	X	-	NO	N/A
15	C2	-	X	-	X	-	NO	N/A
16	C2	-	X	-	X	-	NO	N/A
17	C2	-	X	X	X	-	NO	N/A
18	B	X	-	-	X	-	NO	N/A
19	C2	-	X	-	X	-	NO	N/A
20	C2	-	X	-	X	-	NO	N/A

- THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST
- PATCH AND REPAIR ANY SURFACE DAMAGE ALONG THE BOTTOM PART OF THE CURB RAMP. MILL AWAY ANY BUILT-UP ASPHALT AT THE GUTTER EDGE ALONG THE MANEUVERING SPACE AT THE BOTTOM OF THE CURB RAMP.

CURB RAMP LOCATION AND DETAILS



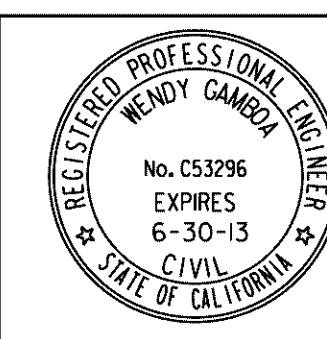
NOTE:
CONTRACTOR TO NOTIFY SURVEYING 30 DAYS PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.

• NOTE: SEE SPECIFICATIONS FOR DRAWINGS

LEGEND	
⑧	CURB RAMP NO's
+	EX UTILITY POLE
○	EX FIRE HYDRANT
◦	EX STREET LIGHT
□	EX CURB RAMP
⊗	EX TRAFFIC SIGNAL
†	EX STREET SIGN

PROPOSED CURB RAMPS PER STANDARD DRAWINGS:
GENERAL CURB RAMP NOTES AND SUPPLEMENTAL DETAILS

TYPE A & B	•SDG-130
TYPE C1	•SDG-132
TYPE C2	•SDG-134
TYPE D	•SDG-135
EX STAMP/IMPRESSION PLACEMENT	•SDG-136
	SDG-115



WATER GROUP 935
CURB RAMP LOCATION AND DETAILS

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 7 OF 11 SHEETS

APPROVED: *[Signature]* 08-10-12
FOR CITY ENGINEER DATE

WATER WBS: B1005
SEWER WBS: N/A

DESIGNED BY: MAHYAR NAVIZI
PROJECT ENGINEER

SEE SHEETS
CCS27 COORDINATE

SEE SHEETS
CCS83 COORDINATE

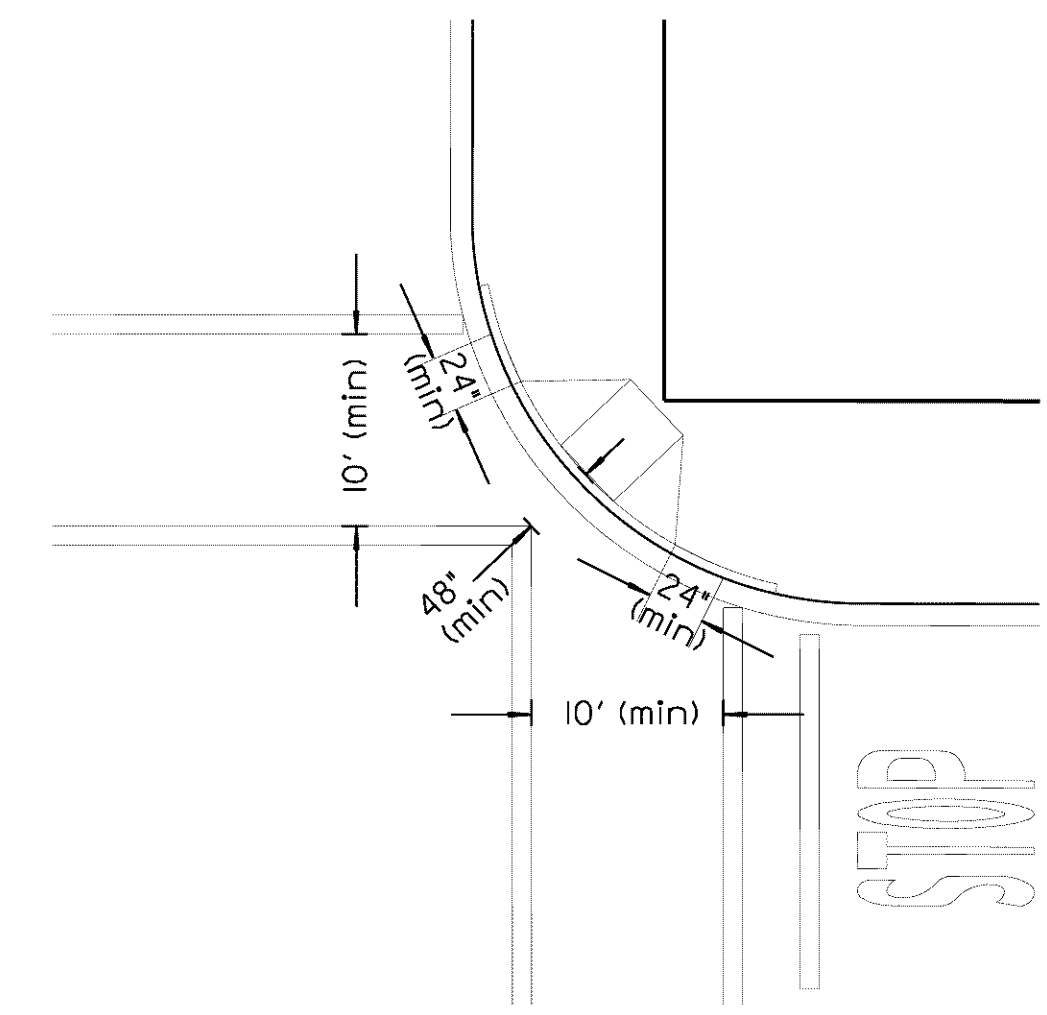
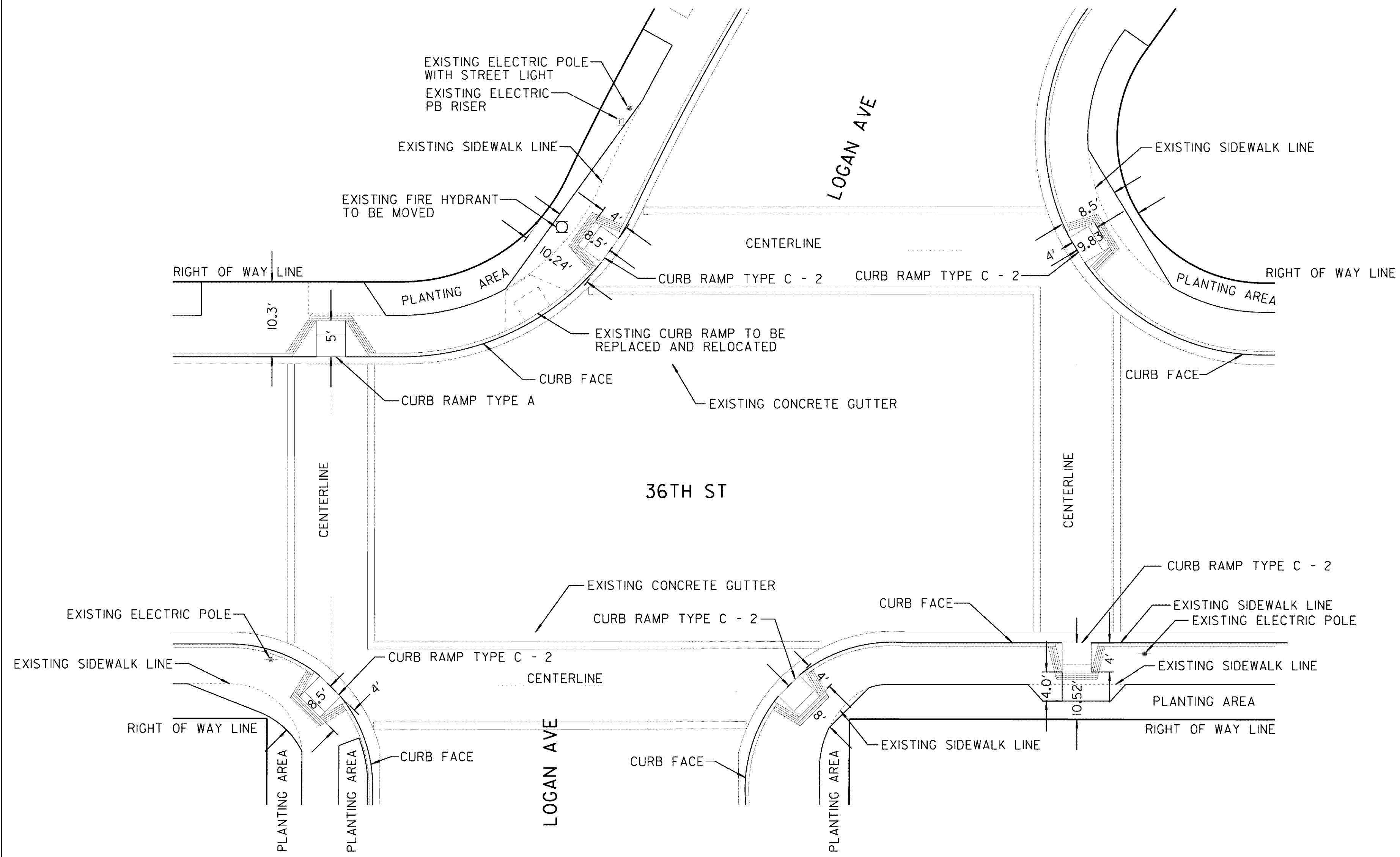
CONTRACTOR: KIA CONST. INC. DATE STARTED: 01-30-13
INSPECTOR: JOHN KLUMUSZKO DATE COMPLETED: 09-20-13

36394-07-D

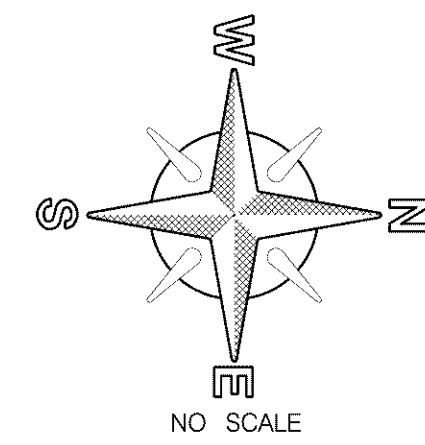
CURB RAMP LOCATION AND DETAILS

AS-BUILT

CURB RAMP DETAILS



DIAGONAL OR CORNER TYPE CURB RAMP DETAIL
(SEE SHEET 7)



DETAIL E
CURB RAMP LOCATION (2)(3)(4)(5)(6)(7)
(SEE SHEET 7)

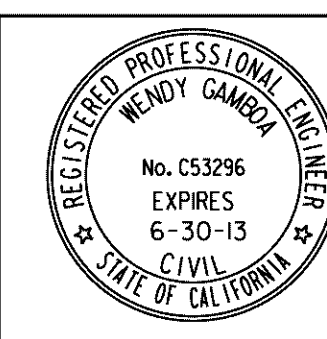
NOTE:
CONTRACTOR TO NOTIFY SURVEYING 30 DAYS
PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP
CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.

C-7

WATER GROUP 935
CURB RAMP DETAILS

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 8 OF 11 SHEETS				WATER WBS B11005 SEWER WBS N/A
APPROVED FOR CITY ENGINEER	DATE	08-10-12		SUBMITTED BY LUIS SCHAAR ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	MW/JM			
AS-BUILT PER CITY INSPECTOR	12/13		1/28/14	
CONTRACTOR KIA CONST. INC. DATE STARTED 01-30-13				36394-08-D
INSPECTOR JOHN KLMUSZKO DATE COMPLETED 09-20-13				

LEGEND	
8	CURB RAMP NO's
•	EX UTILITY POLE
○	EX FIRE HYDRANT
◊	EX STREET LIGHT



NOTE: SEE SPECIFICATIONS FOR DRAWINGS

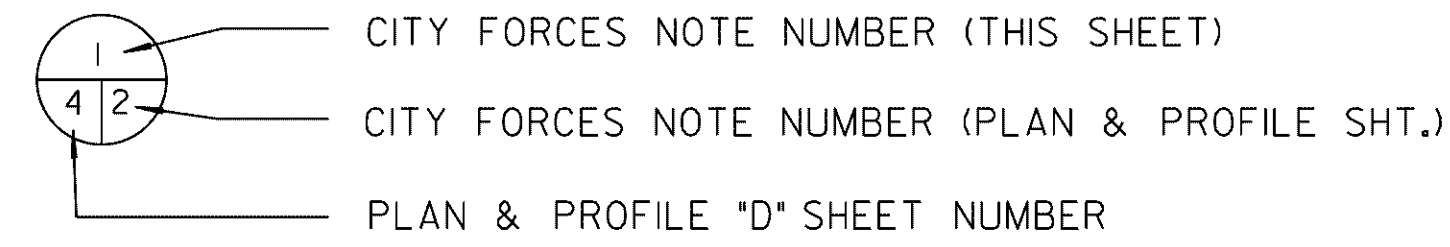
AS-BUILT

CURB RAMP DETAILS

WORK BY CITY FORCES

LEGEND

- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- FIRE HYDRANT TO REMAIN IN SERVICE DURING CONSTRUCTION
- ◻ PROPOSED FIRE HYDRANT
- EXISTING VALVE



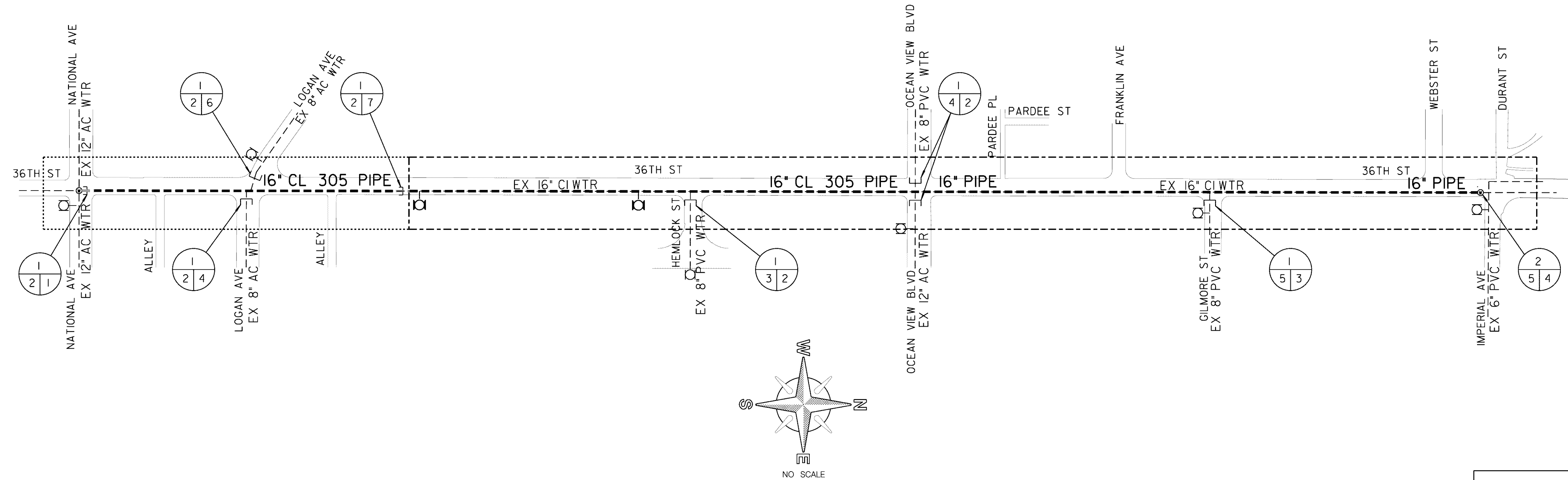
BC --- BEFORE CONTRACTOR
AC --- AFTER CONTRACTOR

WORK BY CITY FORCES

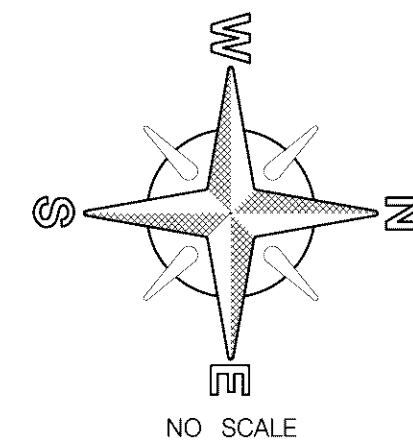
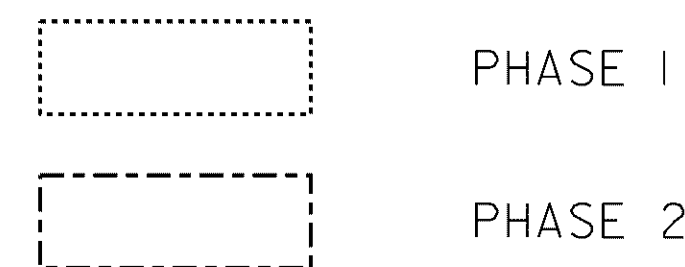
- 1
BC - CUT & PLUG
AC - RECONNECT
- 2
BC - CLOSE EXISTING VALVE
AC - RECONNECT, OPEN VALVE

HIGHLINING NOTES:

CITY FORCES TO HIGHLINE 36TH ST.
FROM STA 1+00 TO STA 7+20 AS PHASE 1
FROM STA 7+20 TO STA 32+84.93 AS PHASE 2
CITY FORCES TO FURNISH HIGHLINE MATERIALS
AND TRANSFER SERVICES



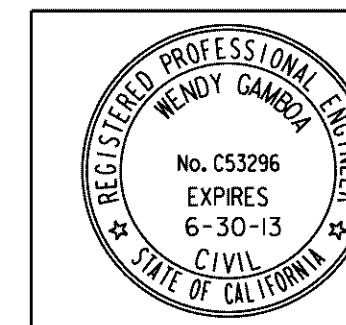
AREA TO BE HIGHLINED IN PHASES



C-8

WATER GROUP 935
WORK BY CITY FORCES

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 9 OF 11 SHEETS		WATER WBS B11005 SEWER WBS N/A
APPROVED FOR CITY ENGINEER: <i>[Signature]</i>	DATE: 08-10-12	SUBMITTED BY: LUIS SCHAAR ASSOCIATE ENGINEER
DESCRIPTION: ORIGINAL	BY: MN/JM	CHECKED BY: MAHYAR NAVIZI PROJECT ENGINEER
AS-BUILT PER CITY INSPECTOR	12/13	1/28/14
CONTRACTOR: KTA CONST. INC. DATE STARTED: 01-30-13		36394-09-D
INSPECTOR: JOHN KLIMUSZKO DATE COMPLETED: 09-20-13		



AS-BUILT

WORK BY CITY FORCES

THRUST BLOCK TABLE

HORIZONTAL ALIGNMENT COORDINATE INDEX REPORT

THRUST/ANCHOR TABLE FOR 16" AND LARGER WATER MAINS								
SHEET NO.	PIPE STATIONING	TYPE/ DIAM. OF PIPE	TYPE OF BLOCK	TYPE OF APPURTENANCE	DESIGN PRESSURE	TOTAL THRUST (lb)	ASSUMED SOIL CAPACITY	MINIMUM BEARING AREA (sq.ft.), SEE NOTE 3 BELOW OR VOLUME OF BLOCK (cu.ft.)
02	4+70.96	PVC 16"	THRUST	16"x8" TEE	147 LB/SQ. IN.	14196	1000 LB/SQ. FT.	14.2 SQ. FT.
	4+84.31	PVC 16"	THRUST	16"x8" TEE	147 LB/SQ. IN.	14196	1000 LB/SQ. FT.	14.2 SQ. FT.
03	14+82.8	PVC 16"	THRUST	16"x8" TEE	147 LB/SQ. IN.	14196	1000 LB/SQ. FT.	14.2 SQ. FT.
04	19+93.55	PVC 16"	THRUST	16"x12" CROSS	147 LB/SQ. IN.	30201	1000 LB/SQ. FT.	30.2 SQ. FT.
05	26+63.93	PVC 16"	THRUST	16"x8" TEE	147 LB/SQ. IN.	14196	1000 LB/SQ. FT.	14.2 SQ. FT.

• The specific weight of concrete is 140 lb/cu.ft.
Safety Factor = 1.5

NOTES:
1. FOR ADDITIONAL THRUST BLOCKS, ANCHOR BLOCKS, DETAILS AND NOTES SEE SDW-151.
2. REFER TO SPECIFICATIONS SECTION 306-1.2.14 FOR ADDITIONAL REQUIREMENTS.
3. FOR ESTIMATING THE QUANTITY FOR THRUST BLOCKS, THE DEPTH OF THE THRUST BLOCKS SHALL BE HALF OF THE TRENCH WIDTH PLUS 12" EMBEDMENT.

• BENTLEY HORIZONTAL ALIGNMENT TO ASCII

- Alignment name: Alignment A1
- Alignment description: Sheets 2 thru 5
- Alignment style: Default
- Input Factor: 1.00000000

Element	Station	NORTHING	EASTING
Linear			
POB (201)	1+00.00	1834133.20	6295029.37
PI (202)	4+70.96	1834504.16	6295029.88
Tangential Direction:	0°04'47.01"		
Tangential Length:	370.96		
Linear			
PI (202)	4+70.96	1834504.16	6295029.88
PI (203)	4+84.31	1834517.51	6295029.90
Tangential Direction:	0°04'47.01"		
Tangential Length:	13.35		
Linear			
PI (203)	4+84.31	1834517.51	6295029.90
PI (204)	14+81.77	1835514.97	6295031.29
Tangential Direction:	0°04'47.01"		
Tangential Length:	997.46		
Linear			
PI (204)	14+81.77	1835514.97	6295031.29
PI (205)	19+93.55	1836026.75	6295032.00
Tangential Direction:	0°04'47.01"		
Tangential Length:	511.78		
Linear			
PI (205)	19+93.55	1836026.75	6295032.00
PI (206)	26+63.93	1836697.13	6295032.93
Tangential Direction:	0°04'47.01"		
Tangential Length:	670.38		
Linear			
PI (206)	26+63.93	1836697.13	6295032.93
POE (207)	32+74.93	1837298.13	6295033.77
Tangential Direction:	0°04'47.01"		
Tangential Length:	601.00		

C-9

WATER GROUP 935
HORIZONTAL ALIGNMENT COORDINATE
INDEX REPORT & THRUST ANCHOR TABLE

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 10 OF 11 SHEETS

WATER WBS: B11005
SEWER WBS: N/A

APPROVED: *[Signature]* 08-10-12
FOR CITY ENGINEER DATE

SUBMITTED BY: LUIS SCHAAR
ASSOCIATE ENGINEER

DESCRIPTION BY: MAHYAR NAVIZI
PROJECT ENGINEER

ORIGINAL MN/JM

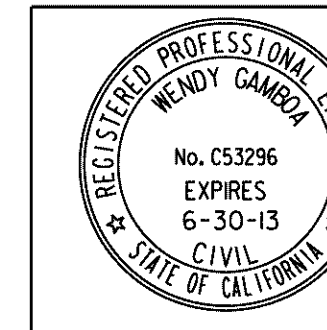
SEE SHEETS
CCS27 COORDINATE

AS-BUILT PER CITY INSPECTOR 12/13 1/28/14

SEE SHEETS
CCS83 COORDINATE

CONTRACTOR: KTA CONST. INC. DATE STARTED: 01-30-13
INSPECTOR: JOHN KLIMUSZKO DATE COMPLETED: 09-20-13

36394-10-D



AS-BUILT

HORIZ. ALG. COORD. INDEX REPORT & THRUST ANCHOR TABLE

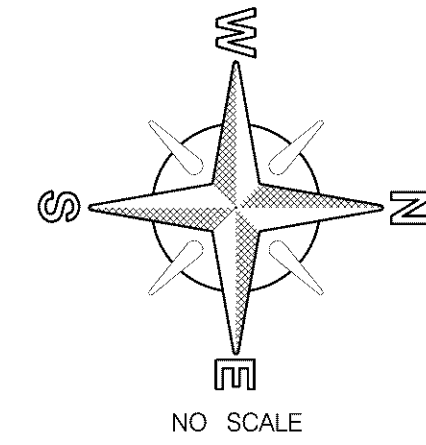
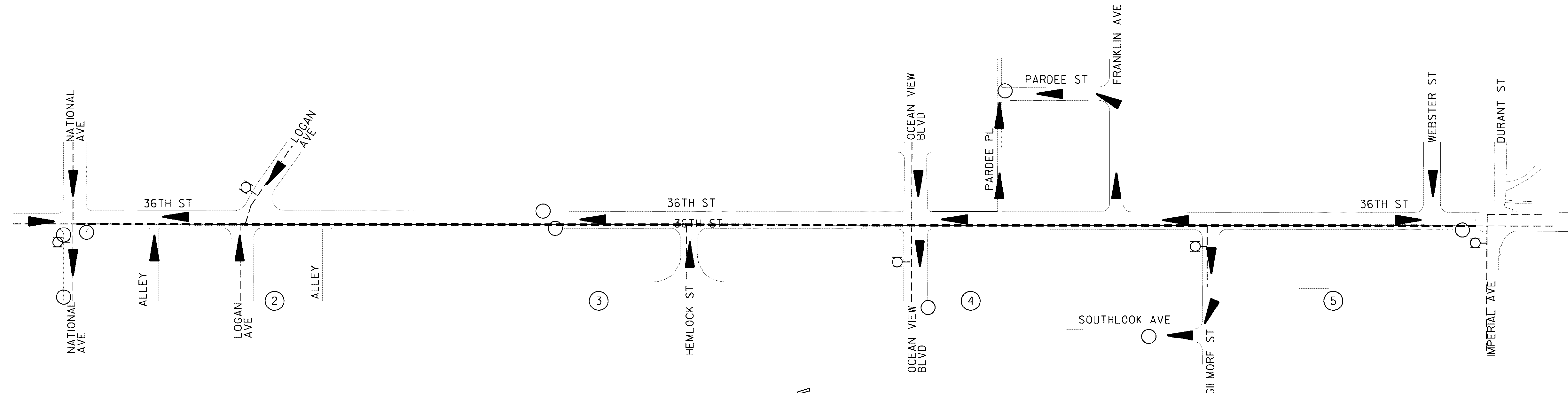
WATER POLLUTION CONTROL SITE PLANS

NOTES:

THE INFORMATION ON THIS SITE PLAN IS INTENDED TO BE USED AS A GUIDELINE FOR THE CONTRACTOR AND SUBCONTRACTOR TO INSTALL WATER POLLUTION CONTROL DEVICES AT GENERAL LOCATIONS THROUGHOUT THE PROJECT SITE. THIS SITE PLAN IS TO BE USED IN CONJUNCTION WITH THE NARRATIVE SECTION OF THE WATER INLET PROTECTION REQUIRED AT ALL STORM DRAINS RECEIVING RUNOFF FROM DISTURBED SOIL AREAS. THE INFORMATION ON THE SITE PLAN IS ACCURATE FOR WATER POLLUTION CONTROL PURPOSES ONLY.

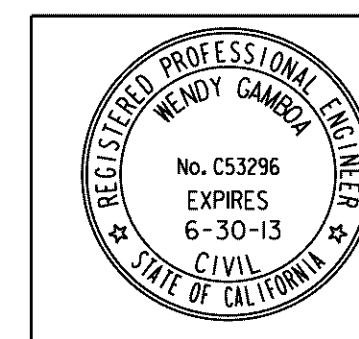
LEGEND

SURFACE FLOW TO STORM DRAIN ARROWS	▶
STORM DRAINS AFFECTED BY CONSTRUCTION	○
SHEET NO's	②



C-10

WATER GROUP 935	
WATER POLLUTION CONTROL SITE PLANS	
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 11 OF 11 SHEETS	WATER WBS: B11005 SEWER WBS: N/A
APPROVED: <i>[Signature]</i> FOR CITY ENGINEER	DATE: 08-10-12 SUBMITTED BY: LUIS SCHAAR ASSOCIATE ENGINEER
DESCRIPTION: ORIGINAL	BY: MN/JM
APPROVED: <i>[Signature]</i>	DATE: 1/28/14
CONTRACTOR: KIA CONST. INC.	DATE STARTED: 01-30-13
INSPECTOR: JOHN KLIMUSZKO	DATE COMPLETED: 09-20-13
36394-11-D	



AS-BUILT

WATER POLLUTION CONTROL SITE PLANS

APPENDIX H
SAMPLE OF PUBLIC NOTICE



CONSTRUCTION NOTICE

PROJECT TITLE

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

The work will consist of:

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

How your neighborhood may be impacted:

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

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



CONSTRUCTION NOTICE

PROJECT TITLE

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

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

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

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

APPENDIX I

ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

Protecting AMI Devices in Meter Boxes and on Street Lights

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

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

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

- A. Endpoints, see Photo 1:

Photo 1



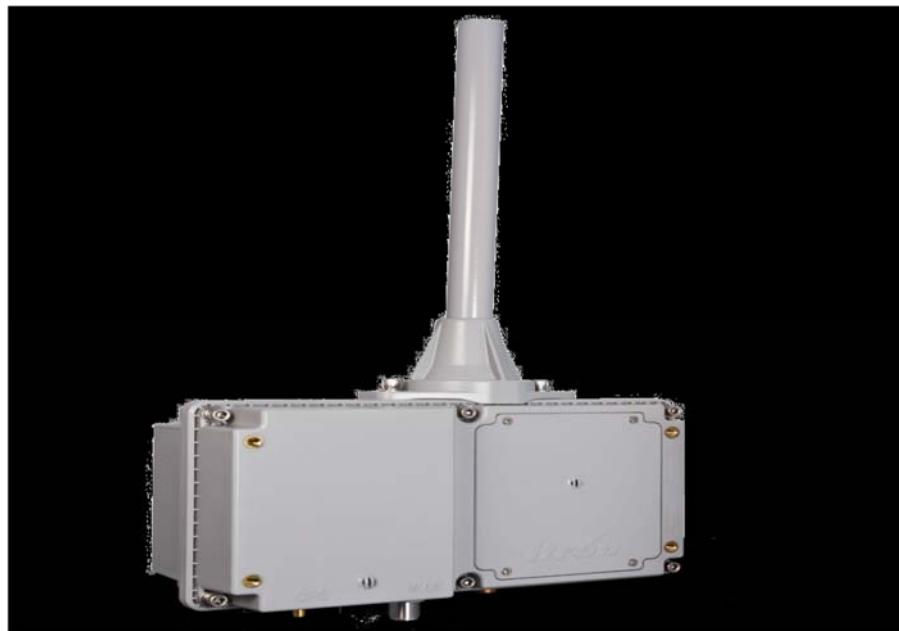
- B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:

Photo 2



Network Devices, see Photo 3:

Photo 3



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

Photo 4



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

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

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

Photo 5

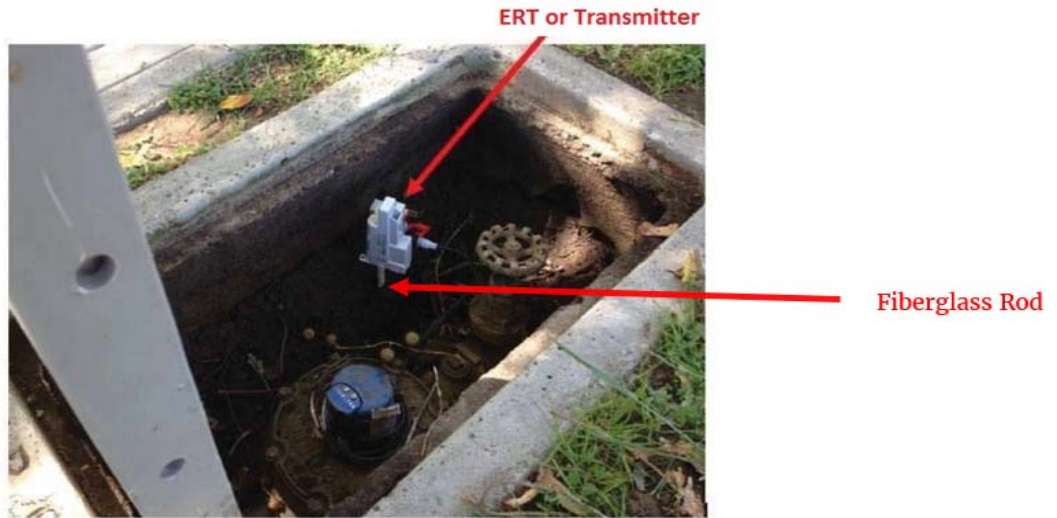


Photo 6 below is an example of disturbance that shall be avoided:

Photo 6



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

Photo 7



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

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

Photo 8



Network Device

Photo 9



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

ATTACHMENT F
INTENTIONALLY LEFT BLANK

ATTACHMENT G
CONTRACT AGREEMENT

CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and **Burtech Pipeline, Inc.**, herein called "Contractor" for construction of **AC Water Group 1012** Bid No. **K-18-1601-DBB-3**; in the amount of **Four Million Five Hundred Ninety Thousand Dollars and Zero Cents (\$4,590,000.00)** plus/minus Additive/Deductive Alternates A & B .

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

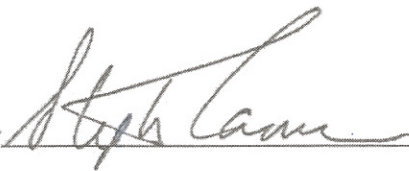
1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) Phase Funding Schedule Agreement.
 - (e) That certain documents entitled **AC Water Group 1012**, on file in the office of the Public Works Department as Document No. **B-16177**, 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 1012**, Bid Number **K-18-1601-DBB-3**, San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement.

CONTRACT AGREEMENT (continued)

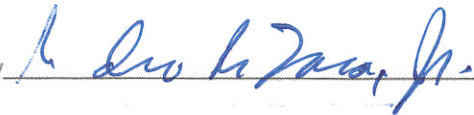
IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to Municipal Code §22.3102 authorizing such execution.

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

By 

Mara W. Elliott, City Attorney

By 

Print Name: Stephen Samara
Principal Contract Specialist

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

Date: 2-8-2018

Date: 2/13/18

CONTRACTOR
BURTECH PIPELINE INC.

By 

Print Name: DOMINIC J. BURTECH

Title: PRESIDENT & CEO

Date: 12/7/2017

City of San Diego License No.: B1996002066

State Contractor's License No.: 718202

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000006324

CERTIFICATIONS AND FORMS

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

Bidder's General Information

To the City of San Diego:

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

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

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

State of California

County of San Diego

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

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

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

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

CONTRACTOR CERTIFICATION

AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

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

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

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

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

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

AFFIDAVIT OF DISPOSAL

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

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

AC Water Group 1012

(Name of Project or Task)

as particularly described in said contract and identified as Bid No. **K-18-1601-DBB-3**; SAP No. (WBS/IO/CC) **B-16177**; 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

COMPANY LETTERHEAD

CERTIFICATE OF COMPLIANCE

Materials and Workmanship Compliance

For Contract or Task _____

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

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

Material Description:

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

Signed by: _____

Printed Name: _____

Title: _____

Company: _____

Date: _____

City of San Diego

Public Works Department, Field Division

NOTICE OF MATERIALS TO BE USED

To: _____

Date: _____, 20__

Resident Engineer

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

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

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

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

Distribution:

Supplier

Signature of Supplier

Address

CONTRACTOR CERTIFICATION

Equal Benefits Ordinance Certification

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

LIST OF SUBCONTRACTORS

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

In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the California Public Contract Code (PCC), the Bidder is to list below the name, address and license number of each Subcontractor who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement, in an amount of or in excess of 0.5% of the Contractor's total Bid. Failure to comply with this requirement may result in the Bid being rejected as non-responsive. The Contractor is to list only one Subcontractor for each portion of the Work. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percentage of the Work to be performed with the Bidder's own forces. The Bidder is to also list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which the Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

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

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

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

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

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

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

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

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

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
	Name: <u>NONE</u> 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.

Burtech Pipeline Inc.

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 SDVOSB①	WHERE CERTIFIED②	CHECK IF JOINT VENTURE PARTNERSHIP
	Name: <u>NONE</u> 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.

Burtech Pipeline Inc.

ELECTRONICALLY SUBMITTED FORMS

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

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

- A. **BID BOND – See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions**
- B. **CONTRACTOR’S CERTIFICATION OF PENDING ACTIONS**

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

BID BOND

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

KNOW ALL MEN BY THESE PRESENTS,

That BURTECH PIPELINE, INCORPORATED as Principal, and
NORTH AMERICAN SPECIALTY INSURANCE COMPANY as Surety, are

held and firmly bound unto The City of San Diego hereinafter called "OWNER," in the sum of **10% OF THE TOTAL BID AMOUNT** for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a Bid to said OWNER to perform the WORK required under the bidding schedule(s) of the OWNER's Contract Documents entitled

AC WATER GROUP 1012

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 6TH day of NOVEMBER, 20 17

BURTECH PIPELINE, INCORPORATED (SEAL)

NORTH AMERICAN
SPECIALTY INSURANCE COMPANY (SEAL)

(Principal)

(Surety)

By: 

DOMINIC J. BURTECH, JR., PRESIDENT

(Signature)

By: 

MARK D. IATAROLA, ATTORNEY-IN-FACT

(Signature)

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

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

State of California }

County of San Diego }

On 11/8/17 before me, Arthur P. Arquilla, Notary Public
(Here insert name and title of the officer)

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

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

WITNESS my hand and official seal.

Arthur P. Arquilla
Notary Public Signature

(Notary Public Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages _____ Document Date _____

CAPACITY CLAIMED BY THE SIGNER

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

INSTRUCTIONS FOR COMPLETING THIS FORM

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

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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

State of California)

County of SAN DIEGO)

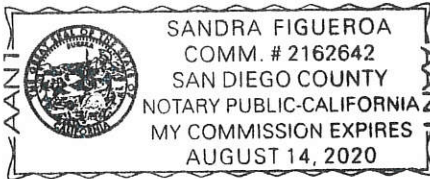
On 11/6/2017 before me, SANDRA FIGUEROA, NOTARY PUBLIC,
Date Here Insert Name and Title of the Officer

personally appeared MARK D. IATAROLA
Name(s) of Signer(s)

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

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

WITNESS my hand and official seal.



Signature Sandra Figueroa
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: MARK D. IATAROLA

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

Signer Is Representing: _____

Signer's Name: _____

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

Signer Is Representing: _____

NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY

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

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

and MARK D. IATAROLA

JOINTLY OR SEVERALLY

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

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

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

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



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



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

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

North American Specialty Insurance Company
Washington International Insurance Company

State of Illinois
County of Cook ss:

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



[Signature] M. Kenny, Notary Public

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

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 6TH day of NOVEMBER, 2017.

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

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

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

CHECK ONE BOX ONLY.

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

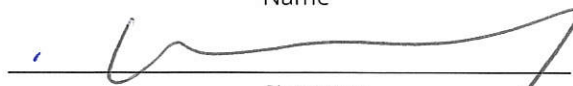
- The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of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

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/REMEDIAL ACTION TAKEN
	NONE				

Contractor Name: BURTECH PIPELINE INC.

Certified By DOMINIC J. BURTECH Title President & CEO

Name



Signature

Date 11/9/2017

USE ADDITIONAL FORMS AS NECESSARY

City of San Diego

CITY CONTACT: Antoinette Sanfilippo, Contract Specialist, Email: ASanfilippo@sandiego.gov
Phone No. (619) 533-3439, Fax No. (619) 533-3633

ADDENDUM A



FOR

AC WATER GROUP 1012

BID NO.:	<u>K-18-1601-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-16177</u>
CLIENT DEPARTMENT:	<u>2000</u>
COUNCIL DISTRICT:	<u>9</u>
PROJECT TYPE:	<u>KB</u>

BID DUE DATE:

**2:00 PM
NOVEMBER 9, 2017
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
1010 SECOND AVENUE, 14th FLOOR, MS 614C
SAN DIEGO, CA 92101**

A. CHANGES TO CONTRACT DOCUMENTS

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

B. BIDDER'S QUESTIONS

Q1. The RFP shows eleven individual phases for this project, looking at the overall project it would seem that this could be greatly reduced to three or maybe four phases. What is the purpose of having eleven phases on this project and is the city willing to entertain reducing the number of phases?

A1. Any changes to the number and/or sequence of phases, will require approval from City's Water System Technician, prior to construction.

Q2. Page 114 and 115 of the RFP call out Type I over Type II and Type II over Type III slurry seal however the bid item quantities do not reflect what is shown on the plan sheets. It looks like there should be two bid items. One bid item for Type 1 over Type II Slurry 60,700 SF and Type II over Type III 554,675 SF. Please clarify?

A2. Bid per advertised documents.

Q3. Page 115 of the RFP is a Slurry Seal Map with a legend that calls out for Bike Lane slurry but we cannot find it noted anywhere on the slurry seal map? Can you please clarify if this item will be used and if so where?

A3. No bike lane treatment associated with this project.

Q4. Who is responsible for Survey on this project, the City or the Contractor?

A4. City.

Q5. What is the contractor's responsibility for as-builts on this project? Will the City be providing?

A5. Contractor will provide red-line markups, City to prepare as-built plans.

- Q6. This question relates to sheets 117 and 118 of the RFP and deals with existing Monuments. The note on the plan sheets say the contractor will be responsible for any survey monuments disturbed during construction. The plan sheets depict close to 150 monuments within the project area, without accurate plans that show the exact location how will the contractor know if they conflict with the new water line improvements? Please provide a bid item for survey monuments.
- A6. Refer to Monumentation/ Survey Note on sheet 117 and 118; all monuments have been surveyed, this Micro station file can be provided to the contractor after contract award. Refer also to Greenbook and Whitebook section 2-9.1.
- Q7. Is this project a remove and replace water main, water services, hydrants, blow offs, air vacs and appurtenances in the same trench? Will this project be high-lined prior to the new water main installation and who is responsible for the installation and maintenance of the highline?
- A7. Bid per advertised documents.
- Q8. Is it the City's responsibility or the contractor's responsibility to maintain adequate horizontal separation between the Sewer and Water mains on this project during construction in order to be in compliance with the State Water Board Separation Criteria? Who or how will the plans be coordinated with the State Water Board for acceptable design criteria on this project? If it is the contractor's responsibility please provide the areas that will not have proper horizontal separation. Please add the proper bid items for Archeo, Paleo monitoring for new trenches.
- A8. Project consist of replacement in place, adequate separation shall be maintained. It is the contractor's responsibility to pothole for utilities; refer to contractor's notes on sheet 82. If inadequate separation is confirmed during construction, contractor is to notify the resident engineer.

Q9. Is it the contractor's responsibility to pre-excavate the cut and plugs for the City?

A9. No.

Q10. Is it the contractor's responsibility to pre-excavate the tie-ins after the water main has passed chlorination and bacteria testing?

A10. No.

Q11. The only mention of survey in the RFP relates to Monuments, since there are no plans designed by a professional licensed surveyor, what will the contractor's responsibility be on this project as it relates to the sheets in the RFP and final as-Builts? Please provide a bid item if action is required by the contractor.

A11. Contractor will provide red-line markups, City to prepare as-built plans.

Q12. If sewer laterals are encountered during the construction of the water main how will the City deal with this?

A12. Contractor shall submit an RFI for further instructions/notes.

James Nagelvoort, Director
Public Works Department

Dated: October 31, 2017
San Diego, California

JN/AR/br

Bid Results

Bidder Details

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

Bid Detail

Bid Format Electronic
Submitted November 9, 2017 12:58:14 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 123008
Ranking 0

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
Contractor's Certification of Pending Action	Contractor's Certification of Pending Action.pdf	Contractor's Certification of Pending Actions
Subcontractors Additive Deductive Alternates	Additive Deductive Alternates.pdf	Subcontractor's 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	\$32,107.30	\$32,107.30	
2	WPCP Development					
	541330	LS	1	\$600.00	\$600.00	
3	WPCP Implementation					
	237990	LS	1	\$2,500.00	\$2,500.00	
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	\$91,000.00	\$91,000.00	
6	Field Orders (EOC Type II)					
		AL	1	\$117,324.00	\$117,324.00	
7	Additional Pavement Removal and Disposal					
	237310	CY	36	\$1.00	\$36.00	
8	Adjust Existing Manhole Frame and Cover to Grade					
	237310	EA	2	\$700.00	\$1,400.00	
9	Removal of Humps and Pavement Irregularities					
	237310	LF	36	\$110.00	\$3,960.00	
10	Asphalt Pavement Repair					
	237310	TON	2	\$525.00	\$1,050.00	
11	Rubber Polymer Modified Slurry (RPMS) Type I					
	237310	SF	60700	\$0.35	\$21,245.00	
12	Rubber Polymer Modified Slurry (RPMS) Type II					
	237310	SF	60700	\$0.36	\$21,852.00	
13	Rubber Polymer Modified Slurry (RPMS) Type III					
	237310	SF	585970	\$0.31	\$181,650.70	
14	Pavement Restoration Adjacent to Trench					
	237310	SF	1912	\$5.00	\$9,560.00	
15	Road Hump					
	237310	TON	12	\$517.00	\$6,204.00	
16	Asphalt Concrete Overlay					
	237310	TON	271	\$120.00	\$32,520.00	
17	Cold Milling Full Width					
	237310	SF	29375	\$0.35	\$10,281.25	
18	Traffic Detector Loop and Appurtenance (Type E)					
	237310	EA	4	\$1,450.00	\$5,800.00	
19	Concrete Pavement (7-InchThick)					
	238910	CY	13	\$150.00	\$1,950.00	
20	Crack Seal					
	237310	LB	7521	\$3.35	\$25,195.35	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
21	Cross Gutter					
	237310	SF	5172	\$10.00	\$51,720.00	
22	Alley Apron					
	237310	SF	1200	\$9.00	\$10,800.00	
23	Handling and Disposal of Non-friable Asbestos Material					
	237110	LF	19119	\$6.00	\$114,714.00	
24	Additional Bedding					
	237110	CY	531	\$0.50	\$265.50	
25	Water Main (12 Inch)					
	237110	LF	1302	\$115.00	\$149,730.00	
26	Water Main (8 Inch)					
	237110	LF	17817	\$91.00	\$1,621,347.00	
27	Gate Valve (12 Inch)					
	237110	EA	3	\$3,100.00	\$9,300.00	
28	Gate Valve (8 Inch)					
	237110	EA	62	\$2,000.00	\$124,000.00	
29	Fire Hydrant Assembly and Marker (6 Inch) 3-Port					
	237110	EA	1	\$7,500.00	\$7,500.00	
30	Fire Hydrant Assembly and Marker (6 Inch)					
	237110	EA	26	\$6,800.00	\$176,800.00	
31	Water Service (2 Inch)					
	237110	EA	5	\$5,000.00	\$25,000.00	
32	Water Service (1 Inch)					
	237110	EA	554	\$2,245.00	\$1,243,730.00	
33	Blow-Off Valve Assembly (2 Inch)					
	237110	EA	5	\$3,500.00	\$17,500.00	
34	Temporary Resurfacing					
	237310	TON	1470	\$110.00	\$161,700.00	
35	Imported Backfill For Trench					
	237110	TON	7745	\$0.30	\$2,323.50	
36	Striping					
	237310	LS	1	\$2,200.00	\$2,200.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
37	Thermoplastic Traffic Striping					
	237310	LF	2886	\$2.40	\$6,926.40	
38	Continental Crosswalks					
	237310	SF	2860	\$2.90	\$8,294.00	
39	Thermoplastic Pavement Markings					
	237310	LS	1	\$1,600.00	\$1,600.00	
40	Traffic Control					
	237310	LS	1	\$35,000.00	\$35,000.00	
41	Traffic Detector Loop Stub					
	238210	EA	4	\$1,500.00	\$6,000.00	
42	Contractor Furnished Materials for the City Forces High-line Work					
	237110	LF	38238	\$2.00	\$76,476.00	
Subtotal					\$4,420,662.00	
Alternate A Item						
43	Contractor Furnished Materials for City Forces Connection, Cut and Plug, and Cut-in Work for Mains 16-inch and Larger					
	237110	LS	1	\$21,900.00	\$21,900.00	
44	High-lining Removed by the Contractor					
	237110	LF	38238	\$1.00	\$38,238.00	
Subtotal					\$60,138.00	
Alternate B Item						
45	Temporary Resurfacing for High-lining					
	237110	TON	1044	\$50.00	\$52,200.00	
46	Pavement Restoration for Final Connection					
	237110	SF	3800	\$15.00	\$57,000.00	
Subtotal					\$109,200.00	
Total					\$4,590,000.00	

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
HUDSON SAFE-T-LITE RENTALS 777 GABLE WAY EL CAJON, CA 92020 United States	Item 40 Traffic Control	788289	1000004051	\$15,000.00	SLBE
McGrath Consulting PO BOX 2488 El Cajon, CA 92021 United States	Bid Item 2 - WPCP Development	11MH0281	1000037165	\$550.00	ELBE,SDB
American Asphalt South, Inc. PO Box 310036 14436 Santa Ana Ave Fontana, CA 92331 United States	Slurry Sealing & Crack Seal	784969	1000000645	\$249,289.59	CAU,MALE,PQUAL,CADIR
Payco Specialties Inc. 120 North Second Ave Chula Vista, CA 91910 United States	Striping Works	298637	1000003515	\$16,192.00	CAU,FEM,PQUAL,SLBE,MBE,SDB,WBE,WOSB

Bid Results

Name & Address	Description	License Num	CADIR	Amount	Type
Southwest Signal Services 397 Raleigh Ave El Cajon, CA 92020 United States	Bid Items 18 & 41 for Traffic Loops	451115	1000004265	\$11,000.00	
Rectrucking inc 1128 2nd ave Chula vista, CA 91911 United States	Trucking Services	ELBE	1000040647	\$95,000.00	LAT,MALE,ELBE
L.C. Paving & Sealing, Inc. 996 Borden Road San Marcos, CA 92069 United States	Asphalt Scopes, including Base Paving, Trench G&O and Concrete Scopes	621610	1000004325	\$870,184.87	PQUAL