

ENGINEER OF WORK

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



For City Engineer



Date

Seal:



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NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **Pipeline Rehabilitation AU-1**. For additional information refer to Attachment A.
2. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$3,920,000**.
3. **BID DUE DATE AND TIME ARE: November 6, 2018 at 2:00 P.M.**
4. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
5. **LICENSE REQUIREMENT:** The City has determined that the following licensing classification(s) are required for this contract: **A** or **C34**.
6. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract.
 - 6.1. 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	06.0%
2. ELBE participation	09.3%
3. Total mandatory participation	15.3%
 - 6.2. The Bid may be declared non-responsive if the Bidder fails to meet the following requirements:
 - 6.2.1. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; **OR**
 - 6.2.2. 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.

7. AWARD PROCESS:

- 7.1. 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.
- 7.2. Upon acceptance of bids and determination of the apparent low bidder, the City will prepare the contract documents for execution within approximately 21 days of the date of the bid opening. The City will then award the contract upon receipt of properly signed Contract, bonds, and insurance documents.
- 7.3. This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form by the City Attorney's Office.
- 7.4. The low Bid will be determined by the Base Bid alone.
- 7.5. Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base Bid alone.

8. SUBMISSION OF QUESTIONS:

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

Public Works Contracts
525 B Street, Suite 750, MS 908A
San Diego, California, 92101
Attention: **Ron McMinn**

OR:

RMcMinn@sandiego.gov

- 8.2. Questions received less than 14 days prior to the date for opening of Bids may not be considered.
- 8.3. 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.
- 8.4. 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.

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

INSTRUCTIONS TO BIDDERS

1. PREQUALIFICATION OF CONTRACTORS:

- 1.1. Contractors submitting a Bid must be pre-qualified for the total amount proposed, including all alternate items, prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified may be deemed non-responsive and ineligible for award.
- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening.
- 1.3. Joint Venture Bidders: For projects with an engineer's estimate of \$30,000,000 or greater, Joint Ventures submitting bids may be deemed responsive and eligible for award if the cumulative maximum bidding capacity of the individual Joint Venture entities is equal to or greater than the total amount proposed. Each of the entities of the Joint Venture must have been previously prequalified at a minimum of \$15,000,000. The Joint Venture designated as the Apparent Low Bidder shall provide evidence of its corporate existence and furnish good and approved bonds in the name of the Joint Venture within 14 days of receipt by the Bidder of a form of contract for execution.
- 1.4. Complete information and links to the on-line prequalification application are available at:

<http://www.sandiego.gov/cip/bidopps/prequalification.shtml>
- 1.5. Due to the City's responsibility to protect the confidentiality of the contractors' information, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [PlanetBids™](#).

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

- 2.1. **BIDDERS MUST BE PRE-REGISTERED** with the City's bidding system and possess a system-assigned Digital ID in order to submit and electronic bid.
- 2.2. The City's bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City's bidding system will keep a history of every login instance including the time of login, and other information about the user's computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers' cookies will not be able to log in and use the City's bidding system.

- 2.3.** The City's electronic bidding system is responsible for bid tabulations. Upon the bidder's or proposer's entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.
- 2.4. BIDS REMAIN SEALED UNTIL BID DEADLINE.** eBids are transmitted into the City's bidding system via hypertext transfer protocol secure (https) mechanism using SSL 128-256 bit security certificates issued from Verisign/Thawte which encrypts data being transferred from client to server. Bids submitted prior to the "Bid Due Date and Time" are not available for review by anyone other than the submitter who has until the "Bid Due Date and Time" to change, rescind or retrieve its proposal should it desire to do so.
- 2.5. BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME.** Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results on line. City staff may then begin reviewing the submissions for responsiveness, EOCP compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.
- 2.6. RECAPITULATION OF THE WORK.** Bids shall not contain any recapitulation of the Work. Conditional Bids may be rejected as being non-responsive. Alternative proposals will not be considered unless called for.
- 2.7. BIDS MAY BE WITHDRAWN** by the Bidder only up to the bid due date and time.
- 2.7.1. Important Note:** Submission of the electronic bid into the system may not be instantaneous. Due to the speed and capabilities of the user's internet service provider (ISP), bandwidth, computer hardware and other variables, it may take time for the bidder's submission to upload and be received by the City's eBidding system. It is the bidder's sole responsibility to ensure their bids are received on time by the City's eBidding system. The City of San Diego is not responsible for bids that do not arrive by the required date and time.
- 2.8. ACCESSIBILITY AND AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE:** To request a copy of this solicitation in an alternative format, contact the Public Works Contract Specialist listed on the cover of this solicitation at least five (5) working days prior to the Bid/Proposal due date to ensure availability.

3. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT

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

- 3.2.** By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.
- 3.3.** The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certification, forms and affidavits submitted as part of this bid are true and correct.
- 3.4.** The Bidder agrees to the construction of the project as described in Attachment “A – Scope of Work” for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent.
- 4. BIDS ARE PUBLIC RECORDS:** Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.
- 5. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:**
- 5.1.** Prior to the Award of the Contract or Task Order, you and your Subcontractors and Suppliers must register with the City’s web-based vendor registration and bid management system. For additional information go to:
<http://www.sandiego.gov/purchasing/bids-contracts/vendorreg.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 14 Calendar Days after receiving the Contract forms.
- 7. PREVAILING WAGE RATES WILL APPLY:** Refer to Attachment D.

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

9. INSURANCE REQUIREMENTS:

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

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

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

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

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

- 12. CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.
- 13. CONTRACT PRICING:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein. The Bidder agrees to perform construction services for the City of San Diego in accordance with these contract documents for the prices listed below. The Bidder further agrees to guarantee the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee may be extended, by mutual consent of the parties, by the number of days required for the City to obtain all items necessary to fulfill all contractual conditions.

14. SUBCONTRACTOR INFORMATION:

14.1. LISTING OF SUBCONTRACTORS. In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the **NAME** and **ADDRESS** of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR, CONSULTANT** or **SUPPLIER**. The Bidder shall state the **DIR REGISTRATION NUMBER** for all subcontractors and shall further state within the description, the **PORTION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3, "Subcontracts", which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.

Additionally, pursuant to California Senate Bill 96 and in accordance with the requirements of Labor Code sections 1771.1 and 1725.5, by submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the California Department of Industrial Relations (DIR). **The Bidder shall provide the name, address, license number, DIR registration number of any Subcontractor - regardless of tier** - who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement pursuant to the contract.

- 14.2. LISTING OF SUPPLIERS.** Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the **NAME, LOCATION (CITY), DIR REGISTRATION NUMBER** and the **DOLLAR VALUE** of each supplier. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for materials and supplies unless vendor manufactures or substantially alters materials and supplies, in which case, 100% will be credited. The Bidder is to indicate within the description whether the listed firm is a supplier or manufacturer. If no indication is provided, the listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage.
- 14.3. LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES.** For subcontractors or suppliers to be used on additive or deductive alternate items, in addition to the above requirements, bidder shall further note "ALTERNATE" and alternate item number within the description
- 15. SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.
- 16. AWARD:**
- 16.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
- 16.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
- 16.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.
- 17. SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The GREENBOOK and as amended in the SSP which requires the Contractor to self-perform not less than the specified amount. Failure to comply with this requirement shall render the bid **non-responsive** and ineligible for award.
- 18. AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracts.
- 19. ONLY ONE BID PER CONTRACTOR SHALL BE ACCEPTED:** No person, firm, or corporation shall be allowed to make, file, or be interested in more than one (1) Bid for the same work

unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.

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

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

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

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

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

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

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

22. AWARD OF CONTRACT OR REJECTION OF BIDS:

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

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

23. BID RESULTS:

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

24. THE CONTRACT:

- 24.1.** The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.

- 24.2.** If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 24.3.** If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- 24.4.** Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 24.5.** The award of the Contract is contingent upon the satisfactory completion of the above-mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.
- 25. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.
- 26. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 26.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.

- 26.2. The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 26.3. The City of San Diego Municipal Code §22.3004 for Contractor Standards.
- 26.4. The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 26.5. Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 26.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 26.7. The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.

27. PRE-AWARD ACTIVITIES:

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

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

Southwest Pipeline and Trenchless Corp., a corporation, as principal, and Liberty Mutual 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 Three Million Three Hundred Twenty Six Thousand Six Hundred Eighteen Dollars and 10/100 Dollars (\$ 3,326,618.10) for the faithful performance of the annexed contract, and in the sum of Three Million Three Hundred Twenty Six Thousand Six Hundred Eighteen Dollars and 10/100 Dollars (\$3,326,618.10) for the benefit of laborers and materialmen designated below.

Conditions:

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

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

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

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

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

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

Dated December 19, 2018

Approved as to Form

Southwest Pipeline and Trenchless Corp.
Principal
By [Signature]
Justin Duchainean, President
Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney

By [Signature]
Deputy City Attorney

Liberty Mutual Insurance Company
Surety
By [Signature]
Noemi Quiroz Attorney-in-fact



Approved:

By [Signature]
Stephen Samara
Principal Contract Specialist
Public Works Department

790 The City Drive South, Suite 200
Local Address of Surety

Orange, CA 92868
Local Address (City, State) of Surety

(714) 634-5720
Local Telephone No. of Surety

Premium \$ 26,365.00

Bond No. 024237203

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)
) ss
County of Los Angeles)

On 12-19-18, before me, Natalie K. Trofimoff, Notary Public, personally appeared Noemi Quiroz, 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.



(Seal)

Signature: 
Natalie K. Trofimoff, Notary Public

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees. To confirm the validity of this Power of Attorney call 610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint Noemi Quiroz of the city of Los Angeles, state of CA its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge the following surety bond:

Principal Name: Southwest Pipeline and Trenchless Corp.
Obligee Name: The City of San Diego
Surety Bond Number: 024237203 Bond Amount: See Bond Form

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 6th day of March, 2017.



The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company
By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 6th day of March, 2017, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 19th day of December, 2018.



By: Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** Rehabilitation of approximately 38,237 LF (7.24 miles) of existing 8-inch vitrified clay (VC) and concrete pipe (CP) sewer mains. In addition, all existing sewer laterals will be rehabilitated from the property line to the sewer mains and assessed by CCTV. The project also includes point repair, manhole rehabilitation, manhole repair, manhole replacement, cleanout installation, manholes, curb ramp installation, alley apron, street resurfacing and continental crosswalks. Scope includes preparation of D sized engineered traffic control plans by a registered engineer. All required approvals and associated permits for traffic control is the responsibility of the contractor. See bid item 45. Additionally, E & O insurance is required. See section 7-3.10.
 - 1.1. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids and Site Maps, inclusive.
2. **LOCATION OF WORK:** The location of the Work is as follows:

See Appendix E, Location Map.
3. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **374 Working Days**.

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

1. PRE-AWARD

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

2. POST-AWARD

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

PHASED FUNDING SCHEDULE AGREEMENT

BID NUMBER: K-19-1766-DBB-3

CONTRACT OR TASK TITLE: Pipeline Rehabilitation AU-1

CONTRACTOR: Southwest Pipeline and Trenchless Corp.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Work to be completed in Phase 1 shall include, Bonds, Mobilization, Videotaping of conditions, and Installation of 2.8 miles (minimum) of VC Sewer Mains.	Notice to Proceed	9/30/19	1,326,618.10
2	Work to be completed in Phase 2 shall include the remaining of the construction activities associated with contract and specifications.	10/1/19	Notice of Completion	2,000,000.00
Contract Total				\$ 3,326,618.10

Notes:

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

CITY OF SAN DIEGO CONTRACTOR

PRINT NAME: Ken Finnigan
Construction Manager

Signature: 

Date: 12/20/18

PRINT NAME: Elham Lotfi
Project Manager

Signature: 

Date: 12/20/18

PRINT NAME: Justin Duchaineau

Title: President

Signature: 

Date: 12-18-2018

ATTACHMENT C
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ATTACHMENT D
PREVAILING WAGES

PREVAILING WAGES

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

- 1.3. Payroll Records.** Contractor and its subcontractors shall comply with California Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.
- 1.3.1.** Contractor and their subcontractors shall also furnish records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.
- 1.4. Apprentices.** Contractor and its subcontractors shall comply with California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning the employment and wages of apprentices. Contractor is held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.
- 1.5. Working Hours.** Contractor and their subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on contractors and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.
- 1.6. Required Provisions for Subcontracts.** Contractor shall include at a minimum a copy of the following provisions in any contract they enter into with a subcontractor: California Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- 1.7. Labor Code Section 1861 Certification.** Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."
- 1.8. Labor Compliance Program.** The City has its own Labor Compliance Program authorized in August 2011 by the DIR. The City will withhold contract payments when payroll records are delinquent or deemed inadequate by the City or other governmental entity, or it has been established after an investigation by the City or other governmental entity that underpayment(s) have occurred. For questions or assistance, please contact the City of San Diego's Prevailing Wage Unit at 858-627-3200.

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

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

1.12.1. Registration. The Contractor will not be required to register with the DIR for small projects. (Labor Code section 1771.1)

1.12.2. Certified Payroll Records. The records required in Labor Code section 1776 shall be required to be kept and submitted to the City of San Diego, but will not be required to be submitted online with the DIR directly. The Contractor will need to keep those records for at least three years following the completion of the Contract. (Labor Code section 1771.4).

1.12.3. List of all Subcontractors. The Contractor shall not be required to hire only registered subcontractors and is exempt from submitting the list of all subcontractors that is required in section 4.20.11 above. (Labor code section 1773.3).

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

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

1. The **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.

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

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

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

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

ADD:

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

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

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

2. Other adjacent City projects are scheduled for construction for the same time period in the vicinity of Friars road between state 5 freeway and Via de las Cumbres to North of West Morena Blvd and Tonopah Ave. See Appendix **F** for the approximate location. Coordinate the Work with the adjacent projects as listed below:
 - a) Alvarado 2nd Pipeline Alignment, Jericho Gallardo, Project Manager, (619) 533-7523
 - b) Morena Pipeline, Laila Nasrawi, Senior Civil Engineer, (858) 614-5757
 - c) Illion Street UUD (Gardena Ave-Milton St), Jie Xiao, Project Manager, (619) 533-5496
 - d) Illion Street (Gardena Ave to Milton St), Farlito Valenzuela, Project Manager, (619) 235-1947

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

SECTION 3 – CHANGES IN WORK

3-3.2.3

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

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

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

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

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

ADD:

3-5.1 **Claims.**

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

3-5.1.1 **Initiation of Claim.**

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

3-5.1.1.1 **Claim Certification Submittal.**

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

- b) The amount claimed accurately reflects the adjustments in the Contract Price, the Contract Time, or both to which you believe you are entitled.
- c) All supporting costs and pricing data are current, accurate, and complete to the best of your knowledge. The cost breakdown per item of Work shall be supplied.
- d) You shall ensure that the affidavit is executed by an official who has the authority to legally bind you.

3-5.1.2 Initial Determination.

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

3-5.1.3 Settlement Meeting.

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

3-5.1.4 City's Final Determination.

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

3-5.1.5 Mandatory Assistance.

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

3-5.1.5.1 Compensation for Mandatory Assistance.

1. The City will reimburse you for reasonable fees and expenses incurred by you for any required assistance rendered in accordance with 3-5.1.5, "Mandatory Assistance" as Extra Work.
2. The Engineer will determine whether these fees and expenses were necessary due to your conduct or failure to act.
3. If the Engineer determines that the basis of the dispute or litigation in which these fees and expenses were incurred were the result of your conduct or your failure to act in part or in whole, you shall reimburse the City for any payments made for these fees and expenses.
4. Reimbursement may be through any legal means necessary, including the City's withholding of your payment.

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

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

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

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

ADD:

3-5.4 Pre-judgment Interest.

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

SECTION 4 - CONTROL OF MATERIALS

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

ADD:

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

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

expenses of the Engineer's supervisor for a trip of 2 Days to the site per month.

- b) When the Engineer elects City Lab staff to perform out-of-town inspections, the wages of staff employed by the City shall not be part of the additional inspection expenses paid by you.
- c) Federal Per Diem Rates can be determined at the location below:

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

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

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

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

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

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

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

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

SECTION 5 – UTILITIES

5-1.1 General. To the "WHITEBOOK", ADD the following:

- 9. **90 Calendar Days** prior to any paving work, you shall notify the utility owner to provide them adequate time to adjust their utility box frame and cover to finish grade.

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

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

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

- 2. 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 5, 9, and 22, DELETE in its entirety and SUBSTITUTE with the following:

5. Monthly progress payments are contingent upon the submittal of an updated Schedule and cash flow forecast as discussed in item 22 of 6-1.1, "Construction Schedule" to the Engineer. The Engineer may refuse to recommend the whole or part of any monthly payment if, in the Engineer's opinion, your failure or refusal to provide the required Schedule and cash flow forecast information precludes a proper evaluation of your ability to complete the Project within the Contract Time and amount.
9. Inclusive to the Contract Time, include 15 Working Days to the Schedule for the generation of the Punchlist. You shall Work diligently to complete all Punchlist items within 30 Working Days after the Engineer provides the Punchlist.
22. With every pay request, submit the following:
 - a) An updated cash flow forecast showing periodic and cumulative construction billing amounts for the duration of the Contract Time. If there has been any Extra Work since the last update, include only the approved amounts.
 - 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 **Appendix D - Sample City Invoice** 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. See "Cash Flow Curve Fitting Example" at the location below:

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

ADD:

6-3.2.1.1

Environmental Document.

1. The City of San Diego has prepared a **Notice of Exemption (NOE)** for **Pipeline Rehabilitation AU-1**, Project No. **B-18037**, as referenced in the Contract Appendix. You shall comply with all requirements of the **NOE** as set forth in **Appendix A**.
2. Compliance with the City's environmental document shall be included in the Contract Price.

6-7

TIME OF COMPLETION. To the "WHITEBOOK", ADD the following:

- 2. You shall complete the liner installation of 11,470 linear feet of sewer main and lateral reinstatements as verified by the Resident Engineer by June 28th, 2019. The remaining work including lateral lining and post-lining CCTV video, as part of the contract shall be completed within the remaining number of working days.
- 3. Schedule requirement:
 - a) All work within SITE MAP #4 shall be completed first. Construction work for sewer main rehabilitation FSN# 19143, 19141 and 18887 shall be first order of work.
 - b) All work within SITE MAP #3 shall be second. Construction work for sewer main rehabilitation FSN# 19148 shall be first order of work.
 - c) All work within SITE MAP #1 shall be third.
 - d) All work within SITE MAP #2 shall be fourth. Construction work for sewer main rehabilitation FSN# 15005 shall be first order of work.

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.

7-3.3 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.

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

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

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

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

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

1. For Contracts with required engineering services (e.g., Design-Build, preparation of engineered Traffic Control Plans (TCP), and etc.) by you, you shall keep or require all of your employees or Subcontractors, who provide professional engineering services under this contract, Professional Liability coverage with a limit of **\$1,000,000** per claim and **\$2,000,000** annual aggregate in full force and effect.
2. You shall ensure the following:
 - a) The policy retroactive date is on or before the date of commencement of the Project.
 - b) The policy will be maintained in force for a period of 3 years after completion of the Project or termination of this Contract, whichever occurs last. You agree that for the time period specified above, there will be no changes or endorsements to the policy that affect the specified coverage.
3. If professional engineering services are to be provided solely by the Subcontractor, you shall:
 - a) Certify this to the City in writing and
 - b) Agree in writing to require the Subcontractor to procure Professional Liability coverage in accordance with the requirements set forth above.

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

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

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

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

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

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

ADD:

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

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

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

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

7-8.6.5 Payment. DELETE in its entirety and SUBSTITUTE with the following:

ADD:

7-8.6.5.1 Payment.

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

7-13.4 Contractor Standards and Pledge of Compliance. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The Contract is subject to City's Municipal Code §22.3004 as amended 10/29/13 by ordinance O-20316.
2. You shall complete a Pledge of Compliance attesting under penalty of perjury that you complied with the requirements of this section.

3. You shall ensure that all Subcontractors complete a Pledge of Compliance attesting under penalty of perjury that they complied with the requirements of this section.
4. You shall require in each subcontract that the Subcontractor shall abide by the provisions of the City's Municipal Code §22.3004. A sample provision is as follows:

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

ADD:

7-13.8 Equal Pay Ordinance.

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

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 203 – BITUMINOUS MATERIALS

203-3.4.4 Rubber Polymer Modified Slurry (RPMS). To the “WHITEBOOK”, DELETE in its entirety.

203-3.4.4.1 General. To the “WHITEBOOK”, DELETE in its entirety.

ADD:

203-3.4.4.1 General. To the “GREENBOOK”, paragraph (2), ADD the following:

- e) Crumb rubber shall be a product of recycled material from the City if unavailable from the San Diego County region.

ADD:

203-5.6 Rubber Polymer Modified Slurry (RPMS).

203-5.6.1 General.

1. Rubber polymer modified slurry (RPMS) is a crumb rubber asphalt slurry-seal surface treatment. RPMS shall be a stable mixture of asphaltic emulsion, mineral aggregate, set-control additives, specially produced and graded crumb rubber, polymer, mineral fillers, carbon black, and water. The materials for RPMS shall conform to 203-5.4, “Emulsion-Aggregate Slurry (EAS)” and these specifications. Mixing and spreading of RPMS shall be as described in 302-4.12, “Rubber Polymer Modified Slurry (RPMS)”.
2. RPMS shall be used for this Contract.

203-5.6.2 Materials.

1. The ingredients of RPMS immediately prior to the mixing shall conform to the following:
 - a) Asphaltic emulsion shall be a quick-set type and shall conform to the requirements of CQS-1h and to the following requirements in accordance with the specified test methods:

Quality Tests for Emulsion	Test	Requirements
AASHTO T59	Residue after Distillation	60% min.
ASTM D244		
Quality Tests for Residue	Test	Requirements

Quality Tests for Emulsion	Test	Requirements
AASHTO T49	Penetration at 77° F (25° C)	40% - 90%
ASTM D2397		

- b) Quick setting Type CQS-1h Asphaltic Emulsion shall test positive for Particle Charge when tested in accordance with the applicable ASTM test designation. If the Particle Charge Test result is inconclusive, the asphaltic emulsion shall meet a pH requirement of 6.7 maximum.
- c) Water shall be potable and of such quality that the asphalt will not separate from the emulsion before the application of slurry seal.
- d) If necessary for workability, a set-control agent that will not adversely affect the RPMS material may be added.
- e) Polymer additive shall be SBR Latex or approved equal, which is added at a minimum of 2% by weight of the asphaltic emulsion.
- f) Crumb Rubber.
 - i. Crumb rubber shall be ambient granulated or ground from whole passenger tires, truck tires, or a combination only in conformance with the requirements indicated in Tables 203-5.6.2 (A), 203-5.6.2 (B), and 203-5.6.2 (C).
 - ii. Un-curing or de-vulcanized rubber shall not be acceptable. Rubber tire buffing from either recapping or manufacturing processes may not be used as a supplement to the crumb rubber mixture.
 - iii. In order to remove steel and fabric, an initial separation stage which subjects the rubber to freezing temperatures may be used.
 - iv. The crumb rubber shall not be elongated or hair-like in shape and individual particles shall not be greater than 1/20 of an inch in length.
 - v. The crumb rubber shall be free of contaminants including fiber, metal, and mineral matter within the following tolerances: the fiber content shall be less than 0.30% by weight and the crumb rubber shall be free of metal particles. Metal imbedded in rubber particles shall not be allowed. The amount of mineral contaminants allowed shall not exceed 0.10% by weight.

- vi. The crumb rubber shall be dry with a moisture content of less than 0.75%.

TABLE 203-5.6.2 (A)

CRUMB RUBBER CHEMICAL PROPERTIES SPECIFICATION

Property	Specification Limits
Specific Gravity	1.15 ± .05
Percent of Carbon Black	35.0 Maximum
Percent of Rubber Hydrocarbon	55.0 Maximum
Percent Ash	6.0 Maximum
Percent of Acetone Extract	10.0 Maximum
Percent of Chloroform Extract	3.0 Maximum
Percent Natural Rubber	40 Minimum

TABLE 203-5.6.2 (B)

CRUMB RUBBER GRADATION REQUIREMENTS

Sieve Size	Percent Passing
No. 30	100
No. 40	90 - 100
No. 50	75 - 85
No. 100	25 - 35
No. 200	0 - 10

TABLE 203-5.6.2 (C)

TESTING METHODS FOR CRUMB RUBBER ANALYSIS

Property	Test Method
Specific Gravity	ASTM D1817
Carbon Black	ASTM D297
Ash	ASTM D297
Chloroform Extract	ASTM D297
Natural/Synthetic Rubber	ASTM D297
Sieve Analysis	ASTM C136

- vii. Carbon black solution shall be non-ionic in charge and liquid in form. The carbon black shall be compatible with the emulsion system, polymers, and additives being used and shall conform to the requirements indicated in 203-5.6.2 (D) and ASTM D1511.

TABLE 203-5.6.2 (D)

Specification	Tolerances
Total Solids	40 - 44
% Black by Weight	35 - 37
Type Black	Medium Furnace Color
Type Dispersing	Non-ionic

- viii. Additives may be used to accelerate or retard the break-set of the RPMS. The use of additives shall be in quantities specified in the mix design.
- ix. Mineral filler such as Portland cement, hydrated lime, limestone dust, fly ash, or other approved filler meeting the requirements of ASTM D242 shall be used if required by the mix design and may be used to facilitate set times as needed. Any cement used shall be considered as part of the dry aggregate weight for mix design purposes.
- x. The mineral aggregate used shall be the type and grade specified for the particular Type of RPMS. The aggregate shall be manufactured crushed stone such as granite, slang, limestone, chat, other high quality aggregate, or a combination thereof. Aggregate shall consist of rock dust except that 100% of any aggregate of combination of aggregates larger than the No. 50 sieve size used in the mix shall be obtained by crushing rock. The material shall be free from vegetable matter and other deleterious substances. The aggregate shall be free of caked lumps and oversized particles. The aggregate shall also conform to the following requirements in Table 203-5.6.2 (E).

TABLE 203-5.6.2 (E)

Test	California Test	Requirements
Sand Equivalent	217	45 min.
Durability Index	229	55 min.

- xi. Crumb rubber shall be a product of recycled material from the City if unavailable from the San Diego County region.

203-5.6.3 Composition and Grading.

1. The percentage composition by weight of the aggregate shall conform to the requirements indicated in the tables below when determined by California Test 202 and modified by California Test 105 when there is a difference in specific gravity of 0.20 or more between blends of different aggregates.

TABLE 203-5.6.3 (A)

TYPE I SLURRY SEAL GRADATION

Sieve Size	Percentage Passing	Stockpile Tolerance
No.4	100	± 5%
No.8	90 - 100	± 5%
No.16	65 - 90	± 5%
No.30	40 - 60	± 5%
No.50	25 - 42	± 4%
No.200	10 - 20	± 2%

TABLE 203-5.6.3 (B)

TYPE II SLURRY SEAL GRADATION

Sieve Size	Percentage Passing	Stockpile Tolerance
No.3/8	100	± 5%
No.4	90 - 100	± 5%
No.8	65 - 90	± 5%
No.16	45 - 70	± 5%
No.30	30 - 50	± 5%
No.50	18 - 36	± 4%
No.100	10 - 24	± 3%
No.200	5 - 15	± 2%

TABLE 203-5.6.3 (C)

TYPE III SLURRY SEAL GRADATION

Sieve Size	Percentage Passing	Stockpile Tolerance
No.3/8	100	± 5%
No.4	70 - 90	± 5%
No.8	45 - 70	± 5%
No.16	28 - 50	± 5%
No.30	19 - 34	± 5%

Sieve Size	Percentage Passing	Stockpile Tolerance
No.50	12 - 25	± 4%
No.100	7 - 18	± 3%
No.200	5 - 15	± 2%

2. The job mix (target) gradation shall be within the gradation band for the desired type. After the target gradation has been submitted, the percent passing each sieve shall not be more than the stockpile tolerance.
3. The aggregate shall be accepted at the Site or stockpile. The stockpile shall be accepted based on 5 gradation tests according to California Test 202, modified by California Test 105 when there is a difference in specific gravity of 0.2 or more between blends of different aggregates. If the average of the 5 tests is within the gradation tolerances, then the material will be accepted. If the test shows the material to be out, you may choose to remove the material or blend other aggregates with the stockpile material to bring it into compliance with these specifications. Materials used in blending shall meet the quality test before blending and shall be blended in a manner to produce a consistent gradation.
4. When the results of either the Aggregate Grading or the Sand Equivalent test do not conform to the requirements specified, the aggregate shall be removed. However, if requested in writing and approved by the Engineer, the aggregate may be used and you shall pay to the agency \$1.75 per ton for such aggregate left in place. No single aggregate grading or sand equivalent tests shall represent more than 300 tons or one day's production, whichever is smaller.

203-5.6.4 Mix Design.

1. Before Work begins, you shall submit laboratory reports of mix designs performed in accordance with the tests identified in Table 203-5.6.4 at your expense and shall utilize the specific materials to be used on the project. The design shall be prepared by a laboratory experienced in designing rubber asphalt slurry-seal surface treatments. After the mix design is approved, no substitution shall be made unless approved by the Engineer. The proposed rubber asphalt slurry-seal surface treatment mix design shall verify compatibility of the aggregate, emulsion, mineral filler, set-control additive, and rubber blend.

TABLE 203-5.6.4

Test	Description	Specification
ISSA T-106	Slurry Seal Consistency	Pass
ISSA TB-109	Excess Asphalt	50 grams/ft ² maximum
ISSA TB-100 (Type I)	The Wet Track Abrasion	50 grams/ ft ² maximum

Test	Description	Specification
ISSA TB-100 (Type II)	The Wet Track Abrasion	60 grams/ ft ² maximum
ISSA TB-100 (Type III)	The Wet Track Abrasion	60 grams/ ft ² maximum
ISSA TB-113	Mixing Time	Controllable to 150 seconds minimum
ISSA TB-114	The Wet Stripping	Pass

2. The Mixing Time test shall be done at the highest temperatures expected during construction. The original lab report shall be signed by the laboratory that performed the mix design and shall show the results of the tests on individual materials. The report shall clearly show the proportions of aggregate, mineral filler (minimum and maximum), water (minimum and maximum), additive (s) (usage), asphalt emulsion, and asphalt rubber blend based on the dry weight of the aggregate.
3. Component materials used in the mix design shall be representative of your proposed materials. The percentage of each individual material required shall be shown in the laboratory report. Adjustments may be required during the construction based on field conditions.
4. The component materials shall be within the following limits:
 - a) Residual Asphalt Type I, 10% - 16% based on dry weight of aggregate.
 - b) Residual Asphalt Type II, 7.5% - 13.5% based on dry weight of aggregate.
 - c) Residual Asphalt Type III, 6.5% - 12% based on dry weight of aggregate.
 - d) The crumb rubber will be added to the rubberized slurry mix at a rate of 5% by volume to the asphalt cement.
 - e) Polymer additive shall be added at 2% of finished emulsion.
 - f) Carbon Black shall be added at 1.3% to 2% of the finished emulsion.
 - g) Mineral filler shall be 0.5% - 2.0% (if required by mix design) based on dry weight of aggregate.
 - h) Additives, as needed.
 - i) Water, as needed to achieve proper mix consistency (total mix liquids shall not exceed the loose aggregate voids).

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, DELETE in its entirety and SUBSTITUTE with the following:

2. The payment for RPMS shall be the total square footage used on the project calculated using the method described and shall be paid under the following Bid items:

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

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

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

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

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

- i) A minimum of 5 Working Days prior to the transportation of the ACP disposal bins or friable asbestos waste, you shall provide notice to and assist the Resident Engineer in completing the Inspection Work Request Form for the Asbestos, Lead, and Mold Program. The form is located below:

<https://forms.sandiego.gov/f/g2064>

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

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

Concrete and shall conform to gradation requirements for 3/4 inch nominal size as shown in Table 200-1.2.1 (A). Bedding shall be placed to a depth of 4 inches (101.6 mm) below the outside diameter of the pipe or 1 inch (25.4 mm) below the bell of the pipe, whichever is greater.

306-17.2 **Payment.** To the "WHITEBOOK", items 1 through 3, DELETE in its entirety and SUBSTITUTE with the following:

1. The payment for constructing each new sewer lateral and cleanout and for connecting to the main shall be included in the Bid item for "Sewer Lateral and Cleanout" and shall include the removal and replacement of concrete curb and gutter, sidewalk panels, and existing surface improvements as required by the Engineer.
 - a) The payment for the plugging, monitoring, and testing of the new sewer main shall be included in the Bid item for the new sewer main.
2. The payment for sewer lateral cleanouts, including the removal and replacement of concrete curb and gutter, sidewalk panels, and existing surface improvements as required by the Engineer, shall be included in the Bid item for "Sewer Lateral and Cleanout" unless a bid item has been provided for each "Sewer Lateral Cleanout".
3. The payment for each cleanout at the end of the sewer main shall be included in the Bid item for "Sewer Main Cleanout" and shall include the removal and replacement of concrete curb and gutter, sidewalk panels, and existing surface improvements as required by the Engineer.

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

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

1. No separate payment shall be made for establishing alignment for stripes and layout Work.
2. The payment for the installation of proposed thermoplastic striping, in accordance to the Plans, shall be included in the Bid item for "Thermoplastic Traffic Striping".
3. The payment for the thermoplastic striping of continental crosswalks shall be included in the Bid item for "Continental Crosswalks" and shall include the removal of existing striping, pavement markers, and paving markings.

SECTION 500 – PIPELINE, MANHOLE, AND STRUCTURE REHABILITATION

500-1.1.2.1 Initial Submittals. To the “WHITEBOOK”, ADD the following:

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

500-1.2.7 Payment. To the “WHITEBOOK”, item 1, ADD the following:

The location of any point repairs along existing sewer main as shown in **Appendix U**, street resurfacing areas for point repairs, are approximate and for reference only. Contractor shall not resurface the street if point repair is not deemed necessary.

ADD:

500-1.1.6.1 Order of Work for Rehabilitation Installation.

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

ADD:

500-1.6.1 General. To the “WHITEBOOK”, item 2, sentence 1, DELETE in its entirety and SUBSTITUTE with the following:

2. The cured-in-place liner shall extend the entire length of the lateral from the access point at the property line to the mainline. The location of the cleanout shall not be modified unless approved in writing by the Engineer.

500-1.6.3 Installation Procedures (ASTM F1216 and ASTM F1743). To the “WHITEBOOK”, item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. You shall excavate an access pit at the property line cleanout location. The excavation pit shall be located entirely within the public right-of-way, and shall not encroach into the private property. You shall replace in kind all existing improvements impacted by the installation process.

500-1.6.6

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

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

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

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

2. The point repair Work for sewer laterals shall be in accordance with 500-1.2, "Pipeline Point Repair/Replacement" and shall be included in the Bid item for each "Point Repair for Existing Sewer Lateral". Measurement shall be made at the pipe and shall be based on the length of pipe repaired. You shall be paid for 1 point repair for each repair 8 ft (2.43 m) or less in length. This payment shall include all necessary labor, materials, and equipment to clean, repair, excavate, and inspect the Point Repair.
3. The payment for cleaning and video inspection for rehabilitated laterals shall be paid in accordance with 306-18.7, "Payment".

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

ADD:

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

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

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

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

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

SECTION 600 - ACCESS

ADD:

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

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

600-5 PAYMENT. To the "WHITEBOOK", Delete in its entirety and SUBSTITUTE with the following:

1. The payment for access Work as specified in SECTION 600 – ACCESS shall be included in the Contract Price.
2. The payment for MTS Right of Entry Permit Procurement Work including railroad liability insurance, plan reviews, inspections, flagging, and fees shall be included in the allowance Bid item for "MTS Right of Entry Permit".

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

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

6. Engineered TCP (2 foot x 3 foot size) shall be required for the following areas:
 - a) FSN 14978 crossing West Morena Blvd, Appendix T, Site map No #1.
 - b) FSN 14990 corner of Morena Blvd and Frankfort St, Appendix T, Site map No #1.
 - c) FSN 19408 crossing Napa Ct, Appendix T, Site map No #15.
 - d) FSN 19399 crossing Linda Vista Rd, Appendix T, Site map No #15.

EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP) SECTION A - GENERAL REQUIREMENTS

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

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

END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SUPPLEMENTARY SPECIAL PROVISIONS
APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

TO: X Recorder/County Clerk
P.O. Box 1750, MS A-33
1600 Pacific Hwy, Room 260
San Diego, CA 92101-2400

FROM: City of San Diego
Public Works Department
525 B Street, Suite 750, MS 908A
San Diego, CA 92101

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

Project Name: Sewer Rehab Phase AU-1

Project No. / WBS No.: WBS# B-18037.02.06

Project Location-Specific: This project is on various streets with the general project area bound by Friars Road to the south, West Morena Boulevard to the west, Milton Street to the north, and Via Las Cumbres to the east. The project is located in Council District 2 throughout the Clairemont Mesa and Linda Vista Community Planning Areas.

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

Description of nature and purpose of the Project: The project will consist of the rehabilitation of approximately 6.3 miles of existing 8-inch vitrified clay (VC) sewer mains, multiple point repairs along the sewer mains, reconnection of roughly 647 sewer laterals, rehabilitation of roughly 5 sewer manholes (MH), repair of roughly 8 MHs, replacement of roughly 2 MHs, installation of roughly 11 MHs, and installation of roughly 35 cleanouts. Any excavation within the City's right-of-way will occur within previously disturbed soils and improved right-of way. Excavation within easements will occur within previously disturbed soils. Rehabilitation work will be trenchless. The project would also include the following improvements: curb ramps, slurry and street resurfacing. Where necessary, MSCP Land-Use Adjacency Guidelines would be implemented.

Name of Public Agency Approving Project: City of San Diego

Name of Person or Agency Carrying Out Project: Juan Baligad, 525 B Street, Suite 750, San Diego, CA, 92101 (619) 533- 5473

Exempt Status: (CHECK ONE)

- () Ministerial (Sec. 21080(b)(1); 15268);
- () Declared Emergency (Sec. 21080(b)(3); 15269(a));
- () Emergency Project (Sec. 21080(b)(4); 15269 (b)(c))
- (X) Categorical Exemption: Sec. 15301 [Existing Facilities], Sec. 15302 [Replacement or Reconstruction], Sec. 15303 [New Construction or Conversion of Small Structures]
- () Statutory Exemptions:

Reasons why project is exempt: The City of San Diego conducted an environmental review and determined the project meets the categorical exemption criteria set forth in the CEQA State Guidelines §15301(B) [EXISTING FACILITIES], which allows for the repair and maintenance of existing public facilities, including publicly owned utilities, involving negligible or no expansion of the use beyond that existing at the time of the lead agency's determination; §15302(C) [REPLACEMENT OR RECONSTRUCTION], which allows for the replacement or reconstruction of existing utility systems, where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced; §15303(D) [NEW CONSTRUCTION], which allows for new construction of water main, sewage...and other utility extensions; and where the exceptions listed in CEQA Guidelines §15300.2 would not apply.

Revised May 2016

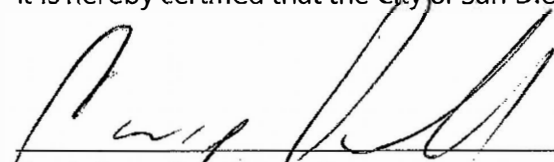
Lead Agency Contact Person: Juan Baligad

Telephone: (619) 533-5473

If filed by applicant:

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

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



Carrie Purcell, Assistant Deputy Director

3/20/18
Date

Check One:

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

Date Received for Filing with County Clerk or OPR:



THE CITY OF SAN DIEGO

Date of Notice: March 6, 2018

NOTICE OF RIGHT TO APPEAL ENVIRONMENTAL DETERMINATION

PUBLIC WORKS DEPARTMENT

WBS No. WBS# B-18037.02.06

PROJECT NAME/WBS NUMBER: SEWER REHAB PHASE AU-1/ B-18037.02.06

COMMUNITY PLAN AREA: Clairemont Mesa and Linda Vista

COUNCIL DISTRICT: 2

LOCATION: This project is on various streets with the general project area bound by Friars Road to the south, West Morena Boulevard to the west, Milton Street to the north, and Via Las Cumbres to the east.

PROJECT DESCRIPTION: The project will consist of the rehabilitation of approximately 6.3 miles of existing 8-inch vitrified clay (VC) sewer mains, multiple point repairs along the sewer mains, reconnection of roughly 647 sewer laterals, rehabilitation of roughly 5 sewer manholes (MH), repair of roughly 8 MHs, replacement of roughly 2 MHs, installation of roughly 11 MHs, and installation of roughly 35 cleanouts. Any excavation within the City's right-of-way will occur within previously disturbed soils and improved right-of way. Excavation within easements will occur within previously disturbed soils. Rehabilitation work will be trenchless. The project would also include the following improvements: curb ramps, slurry and street resurfacing. Where necessary, MSCP Land-Use Adjacency Guidelines would be implemented.

ENTITY CONSIDERING PROJECT APPROVAL: City of San Diego

ENVIRONMENTAL DETERMINATION: Categorically exempt from CEQA pursuant to CEQA State Guidelines, Sec. 15301 [Existing Facilities], Sec. 15302 [Replacement or Reconstruction], Sec. 15303 [New Construction or Conversion of Small Structures]

ENTITY MAKING ENVIRONMENTAL DETERMINATION: City of San Diego Public Works Department

STATEMENT SUPPORTING REASON FOR ENVIRONMENTAL DETERMINATION: The City of San Diego conducted an environmental review and determined the project meets the categorical exemption criteria set forth in the CEQA State Guidelines §15301(B) [EXISTING FACILITIES], which allows for the repair and maintenance of existing public facilities, including publicly owned utilities, involving negligible or no expansion of the use beyond that existing at the time of the lead agency's determination; §15302(C) [REPLACEMENT OR RECONSTRUCTION], which allows for the replacement or reconstruction of existing utility systems, where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced; §15303(D) [NEW CONSTRUCTION], which allows for new construction of water main, sewage...and other utility extensions; and where the exceptions listed in CEQA Guidelines §15300.2 would not apply.

CITY PROJECT MANAGER:

Juan Baligad

MAILING ADDRESS:

525 B Street, Suite 750, San Diego, CA 92101

PHONE NUMBER:

(619) 533-5473

On March 6, 2018, the City of San Diego made the above-referenced environmental determination pursuant to the California Environmental Quality Act (CEQA). This determination is appealable to the City Council. If you have any questions about this determination, contact the City Project Manager listed above.

Applications to appeal CEQA determination made by staff (including the City Manager) to the City Council must be filed in the office of the City Clerk within 10 business days from the date of the posting of this Notice (March 21, 2018). The appeal application can be obtained from the City Clerk, 202 'C' Street, Second Floor, San Diego, CA 92101.

This information will be made available in alternative formats upon request.

POSTED IN THE OFFICE OF DSD	
Posted	MAR 02 2018 <i>ml</i>
Removed	MAR 21 2018
Posted by	<i>myralee</i>

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.

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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 5 OF 10	EFFECTIVE DATE October 15, 2002
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2. Construction and maintenance related activities (see Tab 2).
 - b. No customer inside or outside the boundaries of the City of San Diego Water Department shall resell any portion of the water delivered through a fire hydrant by the City of San Diego Water Department.
 - c. The City of San Diego allows for the issuance of a temporary fire hydrant meter for a period not to exceed 12 months (365 days). An extension can only be granted in writing from the Water Department Director for up to 90 additional days. A written request for an extension by the consumer must be submitted at least 30 days prior to the 12 month period ending. No extension shall be granted to any customer with a delinquent account with the Water Department. No further extensions shall be granted.
 - d. Any customer requesting the issuance of a fire hydrant meter shall file an application with the Meter Section. The customer must complete a "Fire Hydrant Meter Application" (Tab 1) which includes the name of the company, the party responsible for payment, Social Security number and/or California ID, requested location of the meter (a detailed map signifying an exact location), local contact person, local phone number, a contractor's license (or a business license), description of specific water use, duration of use at the site and full name and address of the person responsible for payment.
 - e. At the time of the application the customer will pay their fees according to the schedule set forth in the Rate Book of Fees and Charges, located in the City Clerk's Office. All fees must be paid by check, money order or cashiers check, made payable to the City Treasurer. Cash will not be accepted.
 - f. No fire hydrant meters shall be furnished or relocated for any customer with a delinquent account with the Water Department.
 - g. After the fees have been paid and an account has been created, the

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
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meter shall be installed within 48 hours (by the second business day). For an additional fee, at overtime rates, meters can be installed within 24 hours (within one business day).

4.7 Relocation of Existing Fire Hydrant Meters

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

4.8 Disconnection of Fire Hydrant Meter

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

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
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for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

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

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

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

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

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

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

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

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7. **FEE AND DEPOSIT SCHEDULES**

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

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

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

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

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

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

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

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

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.) <u>Zip:</u>	T.B.	G.B. (CITY USE)
Specific Use of Water:		
Any Return to Sewer or Storm Drain, if so, explain:		
Estimated Duration of Meter Use: <input type="text"/>	<input type="checkbox"/>	Check Box if Reclaimed Water

Company Information

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

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

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

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

Project Name:

Work Order No or Job Order No.

City Purchase Order No.

Resident Engineer (RE):

RE Phone#: Fax#:

Contractor's Name:

Contractor's Address:

Contractor's Phone #:

Contractor's fax #:

Contact Name:

Invoice No.

Invoice Date:

Billing Period: (To)

Item #	Item Description	Contract Authorization				Previous Totals To Date		This Estimate		Totals to Date	
		Unit	Price	Qty	Extension	%/QTY	Amount	% / QTY	Amount	% / QTY	Amount
1					\$ -		\$ -		\$ -	0.00%	\$ -
2					\$ -		\$ -		\$ -	0.00%	\$ -
3					\$ -		\$ -		\$ -	0.00%	\$ -
4					\$ -		\$ -		\$ -	0.00%	\$ -
5					\$ -		\$ -		\$ -	0.00%	\$ -
6					\$ -		\$ -		\$ -	0.00%	\$ -
7					\$ -		\$ -		\$ -	0.00%	\$ -
8					\$ -		\$ -		\$ -	0.00%	\$ -
5					\$ -		\$ -		\$ -	0.00%	\$ -
6					\$ -		\$ -		\$ -	0.00%	\$ -
7					\$ -		\$ -		\$ -	0.00%	\$ -
8					\$ -		\$ -		\$ -	0.00%	\$ -
9					\$ -		\$ -		\$ -	0.00%	\$ -
10					\$ -		\$ -		\$ -	0.00%	\$ -
11					\$ -		\$ -		\$ -	0.00%	\$ -
12					\$ -		\$ -		\$ -	0.00%	\$ -
13					\$ -		\$ -		\$ -	0.00%	\$ -
14					\$ -		\$ -		\$ -	0.00%	\$ -
15					\$ -		\$ -		\$ -	0.00%	\$ -
16					\$ -		\$ -		\$ -	0.00%	\$ -
17	Field Orders				\$ -		\$ -		\$ -	0.00%	\$ -
					\$ -		\$ -		\$ -	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: _____

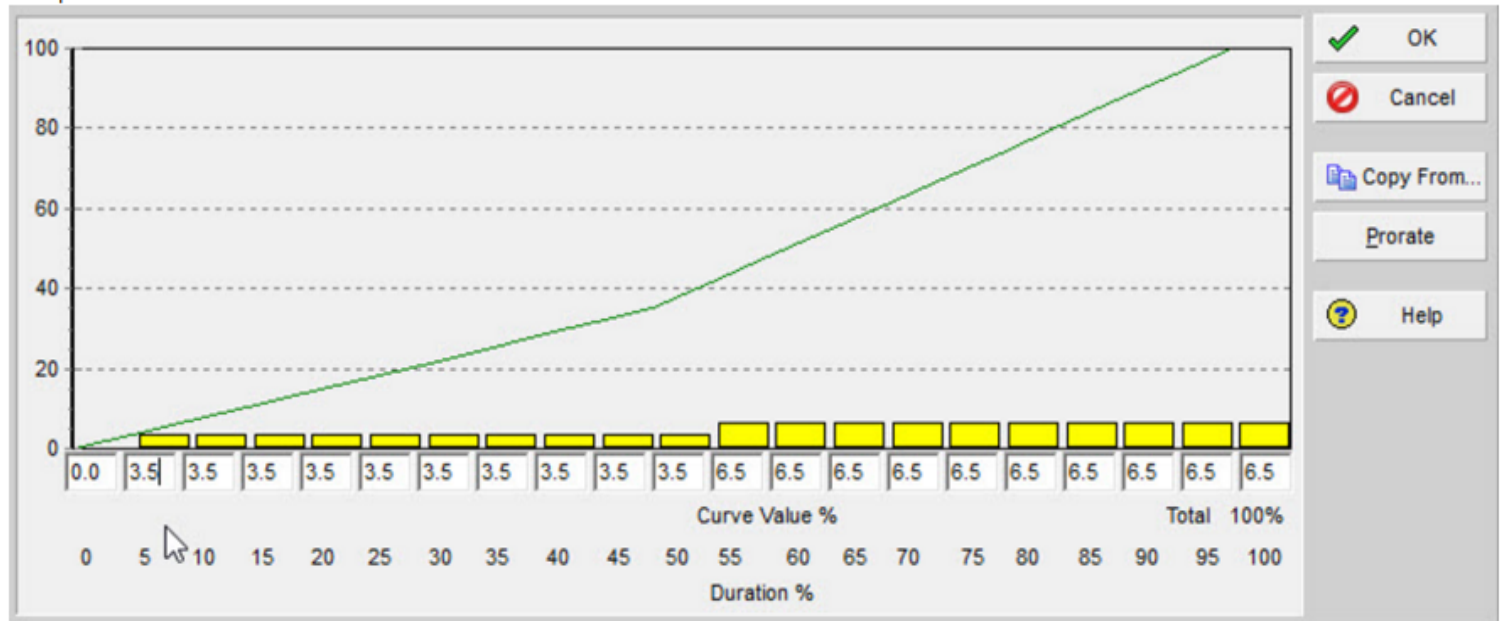
Sample Project Spend Curve

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

5
1 7
6
8

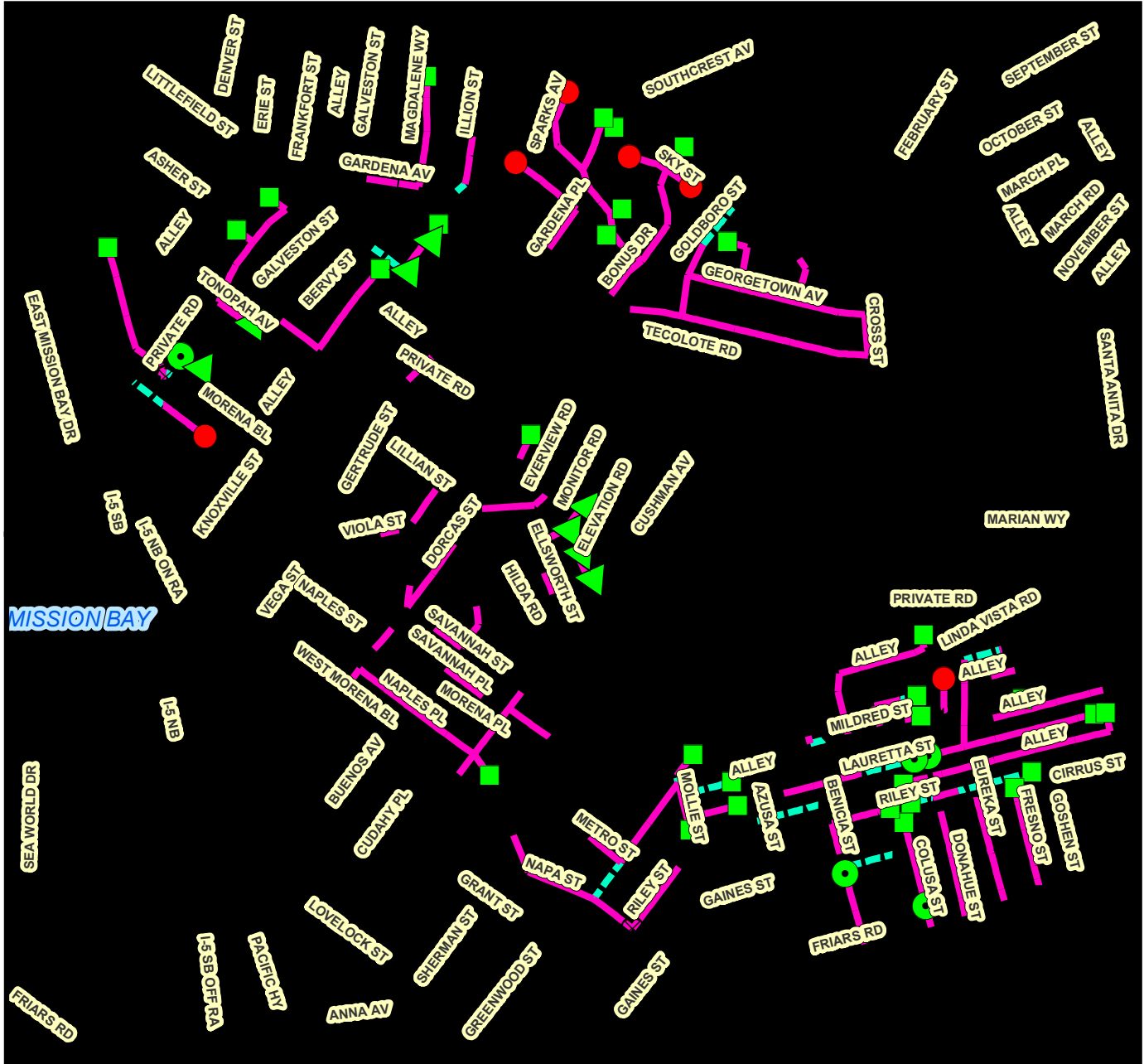
PIPELINE REHABILITATION AU-1

SENIOR ENGINEER
SHEILA BOSE
(619) 533-4698

PROJECT MANAGER
ELHAM LOTFI
(619) 533-5212

PROJECT ENGINEER
OMAR BELTRAN
619-533-4127

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



Legend

- PROPOSED SEWER REHAB
- - - PROPOSED SEWER REHAB W/POINT REPAIR
- INSTALL CLEANOUT
- Rehabilitate Sewer Manhole
- Install Manhole
- ⊗ REPLACE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR

COMMUNITY NAME: Linda Vista/Clairemont Mesa COUNCIL DISTRICT: 2 SAP ID: B18037

Date: April 25, 2018
Pipeline Rehabilitation AU-1
Appendix E - Location Map

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APPENDIX F
ADJACENT PROJECTS

5
1
7
6
8

ADJACENT PROJECTS AU-1

SENIOR ENGINEER
SHEILA BOSE
(619) 533-4698

PROJECT MANAGER
ELHAM LOTFI
(619) 533-5212

PROJECT ENGINEER
OMAR BELTRAN
619-533-4127

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



Legend

- PROPOSED SEWER REHAB W/POINT REPAIR
- PROPOSED SEWER REHAB
- Alvarado 2nd Pipeline Alignment-Start 11/24/2020 End 4/14/23
- Morena Pipeline-Start 4/19/2019 End 8/13/2021
- Illion Street UUD-Start 5/1/2017 End 8/16/2018
- Illion Street-Start 12/20/2018 End 9/26/2019

COMMUNITY NAME: Linda Vista/Clairemont Mesa COUNCIL DISTRICT: 2 SAP ID: B18037

Date: April 25, 2018
Pipeline Rehabilitation AU-1
Appendix F - Adjacent Projects

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APPENDIX G

SEWER MAIN PIPELINE REHABILITATION AU-1 SPREADSHEETS

Pipeline Rehabilitation AU-1 (B-18037)

MAP	THOMAS BRO	STREET NAME	FSN	LENGTH	SIZE	MATERIAL	ACTION	DS-MH-ID	DS-MH IE	DS MH DEPTH	US-MH-ID	DOWNSTREAM MH RIM EL. (FT)	Council District	Community	Gate Page
1	1268E2	MORENA	14970	260	8	VC	REHAB	68	7.79	5.00	108	12.79	2	Linda Vista/Clairemont Mesa	D16S
1	1268E2	MORENA	14971	215	8	VC	REHAB	69	6.49	4.00	68	10.49	2	Linda Vista/Clairemont Mesa	D16S
1	1268E2	MORENA	14973	230	8	VC	REHAB	87	5.57	5.00	69	10.57	2	Linda Vista/Clairemont Mesa	D16S
1	1268E2	FRANKFORT	14975	55	8	VC	REHAB	84	4.29	7.00	87	11.29	2	Linda Vista/Clairemont Mesa	D16S
1	1268E2	WEST MORENA	14978	242	8	VC	POINT REPAIR & REHAB	74	4.10	7.00	76	11.10	2	Linda Vista/Clairemont Mesa	D16S
1	1268E2	ALLEY	14979	345	8	VC	REHAB	76	6.65	4.00	MH2	10.65	2	Linda Vista/Clairemont Mesa	D16S
1	1268E2	MORENA	14988	35	8	VC	REHAB	85	4.29	7.00	84	11.29	2	Linda Vista/Clairemont Mesa	D16S
1	1268E2	FRANKFORT	14990	161	8	VC	POINT REPAIR & REHAB	85	5.28	6.00	92	11.28	2	Linda Vista/Clairemont Mesa	D16S
1	1268E2	ALLEY	14991	133	8	VC	REHAB	92	6.06	5.00	95	11.06	2	Linda Vista/Clairemont Mesa	D16S
1	1268E2	ALLEY	15015	200	8	VC	REHAB	108	9.87	5.00	MH1	14.87	2	Linda Vista/Clairemont Mesa	D16S
2	1268E2	TONOPAH	15000	223	8	VC	REHAB	101	7.92	7.00	102	14.92	2	Linda Vista/Clairemont Mesa	D16S
2	1268E2	FRANKFORT	15001	272	8	VC	REHAB	102	23.51	9.00	103	32.51	2	Linda Vista/Clairemont Mesa	D16S
2	1268E2	FRANKFORT	15003	195	8	VC	REHAB	103	38.69	9.00	104	47.69	2	Linda Vista/Clairemont Mesa	D16S
2	1268E2	FRANKFORT	15004	160	8	VC	REHAB	104	48.15	11.85	322	60.00	2	Linda Vista/Clairemont Mesa	D16S
2	1268E2	ASHER	15005	130	8	VC	REHAB	104	48.15	11.85	CO1	60.00	2	Linda Vista/Clairemont Mesa	D16S
2	1268E1	FRANKFORT	19133	144	8	VC	REHAB	322	55.38	12.62	323	68.00	2	Linda Vista/Clairemont Mesa	E16S
2	1268 E 1	FRANKFORT	19134	128	6	VC	REHAB	323	60.39	6.00	CO28	66.39	2	Linda Vista/Clairemont Mesa	E16S
3	1268E2	ALLEY	19123	309	8	VC	REHAB	432	10.76	4.99	302	15.75	2	Linda Vista/Clairemont Mesa	E16S
3	1268E2	NASHVILLE	19125	202	8	VC	REHAB	302	13.50	5.00	301	18.50	2	Linda Vista/Clairemont Mesa	E16S
3	1268E2	NASHVILLE	19126	224	8	VC	REHAB	301	14.31	5.00	347	19.31	2	Linda Vista/Clairemont Mesa	E16S
3	1268E2	KNOXVILLE	19146	250	8	VC	REHAB	349	18.82	5.00	350	23.82	2	Linda Vista/Clairemont Mesa	E16S
3	1268E2	LITTLEFIELD	19147	262	8	VC	POINT REPAIR & REHAB	343	16.84	5.00	349	21.84	2	Linda Vista/Clairemont Mesa	E16S
3	1268E2	ALLEY	19148	237	8	VC	REHAB	347	15.20	5.00	MH3	20.20	2	Linda Vista/Clairemont Mesa	E16S
3	1268E2	KNOXVILLE	19145	130	8	VC	POINT REPAIR & REHAB	350	19.82	6.00	CO2	25.82	2	Linda Vista/Clairemont Mesa	E16S
4	1268F1	ILLION	18887	130	8	VC	REHAB	232	73.85	7.00	60	80.85	2	Linda Vista/Clairemont Mesa	E16S
4	1268E1	ALLEY	18889	347	8	VC	REHAB	338	17.86	15.00	61	32.86	2	Linda Vista/Clairemont Mesa	E16S
4	1268E1	Magdalena way	18891	134	8	VC	REHAB	62	83.21	8.25	CO29	91.46	2	Linda Vista/Clairemont Mesa	E16S
4	1268E1	ALLEY	19138	369	8	VC	REHAB	337	30.62	16.00	334	46.62	2	Linda Vista/Clairemont Mesa	E16S
4	1268E1	ALLEY	19139	143	8	VC	REHAB	338	17.86	15.00	337	32.86	2	Linda Vista/Clairemont Mesa	E16S
4	1268F1	ILLION	19141	200	8	VC	REHAB	340	25.12	6.00	232	31.12	2	Linda Vista/Clairemont Mesa	E16S
4	1268E1	ALLEY	18890	238	8	VC	REHAB	61	57.12	8.00	62	65.12	2	Linda Vista/Clairemont Mesa	E16S
4	1268F1	GARDENA	19143	80	8	VC	POINT REPAIR & REHAB	341	16.32	9.00	340	25.32	2	Linda Vista/Clairemont Mesa	E16S
5	1268F1	GARDENA	18877	328	8	VC	REHAB	236	66.72	7.00	47	73.72	2	Linda Vista/Clairemont Mesa	E16S
5	1268F1	GARDENA	18878	80	8	VC	REHAB	47	94.12	6.00	CO4	100.12	2	Linda Vista/Clairemont Mesa	E16S
5	1268F1	GARDENA	18879	31	8	VC	REHAB	47	94.12	6.00	CO3	100.12	2	Linda Vista/Clairemont Mesa	E16S
5	1268F1	SPARKS	18884	200	8	VC	REHAB	51	109.12	6.00	MH5	115.12	2	Linda Vista/Clairemont Mesa	E16S
5	1268F1	SPARKS	18885	160	8	VC	REHAB	50	91.12	7.00	51	98.12	2	Linda Vista/Clairemont Mesa	E16S
5	1268F1	SPARKS	18886	226	8	VC	REHAB	236	66.72	7.00	50	73.72	2	Linda Vista/Clairemont Mesa	E16S
5	1268F1	GARDENA	19064	308	8	VC	REHAB	257	24.08	7.00	235	31.08	2	Linda Vista/Clairemont Mesa	E16S
5	1268F1	VIANE	19065	298	8	VC	REHAB	235	34.12	12.00	234	46.12	2	Linda Vista/Clairemont Mesa	E16S
5	1268F1	VIANE	19066	200	8	VC	REHAB	234	62.12	7.00	MH4	69.12	2	Linda Vista/Clairemont Mesa	E16S
5	1268F1	GARDENA	19067	133	8	VC	REHAB	237	54.95	5.00	236	59.95	2	Linda Vista/Clairemont Mesa	E16S
6	1268F1	SPARKS	19068	108	8	VC	REHAB	252	51.30	6.00	251	57.30	2	Linda Vista/Clairemont Mesa	E16S
6	1268F1	SPARKS	19069	115	8	VC	REHAB	251	52.81	8.00	237	60.81	2	Linda Vista/Clairemont Mesa	E16S
6	1268F1	BONUS	19078	296	8	VC	REHAB	247	40.50	7.00	244	47.50	2	Linda Vista/Clairemont Mesa	E16S
6	1268F2	SPARKS	19079	170	8	VC	REHAB	247	40.50	7.00	248	47.50	2	Linda Vista/Clairemont Mesa	E16S
6	1268F2	BONUS	19080	93	8	VC	REHAB	254	34.38	6.00	247	40.38	2	Linda Vista/Clairemont Mesa	E16S
6	1268F2	BONUS	19081	204	8	VC	REHAB	255	27.25	8.00	254	35.25	2	Linda Vista/Clairemont Mesa	E16S
6	1268F2	SPARKS	19084	73	8	VC	REHAB	248	44.29	7.00	249	51.29	2	Linda Vista/Clairemont Mesa	E16S
6	1268F1	SPARKS	19085	128	8	VC	REHAB	249	46.51	6.00	252	52.51	2	Linda Vista/Clairemont Mesa	E16S
6	1268F2	SPARKS	19086	35	8	VC	POINT REPAIR & REHAB	249	46.51	6.00	CO5	52.51	2	Linda Vista/Clairemont Mesa	E16S
6	1268F1	SPARKS	19070	93	8	VC	REHAB	252	51.30	6.00	CO6	57.30	2	Linda Vista/Clairemont Mesa	E16S
7	1268F1	BONUS	18876	192	8	VC	REHAB	240	101.31	6.00	CO7	107.31	2	Linda Vista/Clairemont Mesa	E16S
7	1268F1	SKY	19071	200	8	VC	REHAB	239	102.43	6.00	MH6	108.43	2	Linda Vista/Clairemont Mesa	E16S
7	1268F1	BONUS	19072	118	8	VC	REHAB	242	90.29	6.00	240	96.29	2	Linda Vista/Clairemont Mesa	E16S
7	1268F1	SKY	19073	200	8	VC	REHAB	240	101.31	6.00	MH7	107.31	2	Linda Vista/Clairemont Mesa	E16S
7	1268F1	BONUS	19074	192	8	VC	REHAB	243	69.56	7.00	242	76.56	2	Linda Vista/Clairemont Mesa	E16S
7	1268F1	ALLEY	19157	56	8	VC	REHAB	240	101.31	6.00	239	107.31	2	Linda Vista/Clairemont Mesa	E16S
7	1268F1	BONUS	19075	76	8	VC	REHAB	244	63.71	7.00	243	70.71	2	Linda Vista/Clairemont Mesa	E16S
8	1268F2	GASCONADE	19049	75	8	VC	REHAB	221	51.69	7.00	220	58.69	2	Linda Vista/Clairemont Mesa	E16S
8	1268F2	GASCONADE	19050	151	8	VC	REHAB	220	52.29	8.00	223	60.29	2	Linda Vista/Clairemont Mesa	E16S
8	1268F2	GASCONADE	19051	84	8	VC	REHAB	223	72.83	5.00	224	77.83	2	Linda Vista/Clairemont Mesa	E16S
8	1268F2	GASCONADE	19053	135	8	VC	REHAB	225	62.92	7.00	CO8	69.92	2	Linda Vista/Clairemont Mesa	E16S

MAP	THOMAS BRO	STREET NAME	FSN	LENGTH	SIZE	MATERIAL	ACTION	DS-MH-ID	DS-MH IE	DS MH DEPTH	US-MH-ID	DOWNSTREAM MH RIM EL. (FT)	Council District	Community	Gate Page
8	1268F1	GOLDBORO	19054	296	8	VC	POINT REPAIR & REHAB	245	58.13	6.00	227	64.13	2	Linda Vista/Clairemont Mesa	E16S
8	1268F2	GOLDBORO	19076	228	8	VC	REHAB	246	37.57	7.00	245	44.57	2	Linda Vista/Clairemont Mesa	E16S
8	1268F2	ALLEY	5598090	277	8	VC	REHAB	222	45.42	8.00	225	53.42	2	Linda Vista/Clairemont Mesa	E16S
9	1268F2	GEORGETOWN	19045	163	8	VC	REHAB	218	42.09	8.00	219	50.09	2	Linda Vista/Clairemont Mesa	E16S
9	1268F2	GEORGETOWN	19046	282	8	VC	REHAB	219	44.37	9.00	221	53.37	2	Linda Vista/Clairemont Mesa	E16S
9	1268F2	GEORGETOWN	19047	354	8	VC	REHAB	246	37.57	7.00	222	44.57	2	Linda Vista/Clairemont Mesa	E16S
9	1268F2	GEORGETOWN	19048	392	8	VC	REHAB	222	45.42	8.00	221	53.42	2	Linda Vista/Clairemont Mesa	E16S
9	1268F2	GARDENA	19039	350	8	VC	REHAB	271	32.16	6.00	213	38.16	2	Linda Vista/Clairemont Mesa	E16S
9	1268F2	GARDENA	19040	350	8	VC	REHAB	213	33.62	7.00	214	40.62	2	Linda Vista/Clairemont Mesa	E16S
9	1268F2	GARDENA	19041	350	8	VC	REHAB	214	36.44	7.00	215	43.44	2	Linda Vista/Clairemont Mesa	E16S
9	1268G2	GARDENA	19042	195	8	VC	REHAB	215	37.84	7.00	217	44.84	2	Linda Vista/Clairemont Mesa	E16S
9	1268G2	CROSS	19044	226	8	VC	REHAB	217	38.62	7.00	218	45.62	2	Linda Vista/Clairemont Mesa	E16S
9	1268F2	GOLDBORO	19077	258	8	VC	REHAB	271	32.16	6.00	246	38.16	2	Linda Vista/Clairemont Mesa	E16S
9	1268F2	GARDENA	19095	341	8	VC	REHAB	269	28.30	8.00	271	36.30	2	Linda Vista/Clairemont Mesa	E16S
10	1268F3	CUSHMAN	19211	376	8	VC	REHAB	49	19.57	7.00	46	26.57	2	Linda Vista/Clairemont Mesa	E17S
10	1268F3	ALLEY	19212	150	8	VC	REHAB	49	19.57	7.00	CO9	26.57	2	Linda Vista/Clairemont Mesa	E17S
10	1268F3	ALLEY	19213	165	8	VC	REHAB	49	19.57	7.00	304	26.57	2	Linda Vista/Clairemont Mesa	E17S
10	1268F3	ALLEY	19215	245	8	VC	REHAB	50	18.59	8.00	49	26.59	2	Linda Vista/Clairemont Mesa	E17S
10	1268F3	NAPLES	19216	250	8	VC	REHAB	55	17.59	13.00	50	30.59	2	Linda Vista/Clairemont Mesa	E17S
10	1268F3	SAVANNAH	19217	300	8	VC	REHAB	56	22.37	8.00	48	30.37	2	Linda Vista/Clairemont Mesa	E17S
10	1268E3	NAPLES	19221	230	8	VC	REHAB	60	16.67	14.00	55	30.67	2	Linda Vista/Clairemont Mesa	E17S
10	1268E3	DORCAS	19226	185	8	VC	REHAB	496	15.07	8.00	66	23.07	2	Linda Vista/Clairemont Mesa	E17S
10	1268E3	NAPLES	19227	220	8	VC	REHAB	64	14.47	8.00	60	22.47	2	Linda Vista/Clairemont Mesa	E17S
10	1268E3	WEST MORENA	19228	240	8	VC	REHAB	63	12.82	8.00	61	20.82	2	Linda Vista/Clairemont Mesa	E17S
10	1268E3	DORCAS	19229	165	8	VC	REHAB	63	12.82	8.00	64	20.82	2	Linda Vista/Clairemont Mesa	E17S
10	1268E3	ALLEY	19231	326	8	VC	REHAB	504	10.34	7.00	63	17.34	2	Linda Vista/Clairemont Mesa	E17S
11	1268F2	BIANCA	19174	115	8	VC	REHAB	39	39.02	10.00	29	49.02	2	Linda Vista/Clairemont Mesa	E17S
11	1268F2	ALLEY	19203	188	8	VC	REHAB	57	26.82	6.00	39	32.82	2	Linda Vista/Clairemont Mesa	E17S
11	1268F3	CUSHMAN	19206	305	8	VC	REHAB	46	26.32	7.00	45	33.32	2	Linda Vista/Clairemont Mesa	E17S
11	1268F3	CUSHMAN	19207	133	8	VC	REHAB	46	26.32	7.00	42	33.32	2	Linda Vista/Clairemont Mesa	E17S
11	1268F3	SAVANNAH	19223	213	8	VC	REHAB	58	25.12	8.00	57	33.12	2	Linda Vista/Clairemont Mesa	E17S
11	1268E2	GERTRUDE	19244	150	8	VC	REHAB	98	23.27	8.00	88	31.27	2	Linda Vista/Clairemont Mesa	E17S
11	1268F2	DORCAS	19246	275	8	VC	REHAB	98	23.27	8.00	100	31.27	2	Linda Vista/Clairemont Mesa	E17S
11	1268F2	DORCAS	19247	244	8	VC	REHAB	100	44.59	6.00	101	50.59	2	Linda Vista/Clairemont Mesa	E17S
12	1268F2	VIOLA	19251	275	8	VC	REHAB	95	52.44	8.00	102	60.44	2	Linda Vista/Clairemont Mesa	E16S
12	1268E2	VIOLA	19253	124	8	VC	REHAB	493	28.12	9.00	96	37.12	2	Linda Vista/Clairemont Mesa	E16S
12	1268E2	Tecolote Rd	19108	262	8	VC	REHAB	661	15.32	7.00	290	22.32	2	Linda Vista/Clairemont Mesa	E16S
13	1268F2	DORCAS	19168	185	8	VC	REHAB	20	153.41	7.00	CO10	160.41	2	Linda Vista/Clairemont Mesa	E16S
13	1268F2	ALLEY	19166	336	8	VC	REHAB	21	105.54	6.00	18	111.54	2	Linda Vista/Clairemont Mesa	E17S
13	1268F2	ALLEY	19170	108	8	VC	REHAB	21	146.07	8.00	18	154.07	2	Linda Vista/Clairemont Mesa	E17S
14	1268F2	MONITOR	19180	188	8	VC	REHAB	23	149.53	7.00	12	156.53	2	Linda Vista/Clairemont Mesa	E17S
14	1268F2	ALLEY	19181	171	8	VC	REHAB	12	168.89	9.00	13	177.89	2	Linda Vista/Clairemont Mesa	E17S
14	1268F2	CROWN	19193	180	8	VC	REHAB	8	156.65	7.00	10	163.65	2	Linda Vista/Clairemont Mesa	E17S
14	1268F2	ELLSWORTH	19196	157	8	VC	REHAB	33	134.22	12.00	32	146.22	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	LAURETTA	19367	300	8	VC	REHAB	241	31.62	6.00	216	37.62	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	ALLEY	19368	300	8	VC	POINT REPAIR & REHAB	240	31.24	8.00	219	39.24	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	ALLEY	19370	50	8	VC	REHAB	216	33.07	0.20	CO14	33.27	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	NAPA	19392	269	8	VC	REHAB	252	13.22	7.00	253	20.22	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	NAPA	19396	250	8	VC	REHAB	251	12.22	7.00	252	19.22	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	NAPA	19397	217	8	VC	REHAB	247	11.50	8.23	251	19.73	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	METRO	19398	278	8	VC	REHAB	248	15.22	8.00	250	23.22	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	MOLLIE	19399	50	8	VC	POINT REPAIR & REHAB	239	30.69	8.00	238	38.69	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	MOLLIE	19400	75	8	VC	REHAB	239	30.69	8.00	240	38.69	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	MOLLIE	19401	157	8	VC	REHAB	240	31.24	8.00	241	39.24	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	MOLLIE	19402	75	8	VC	REHAB	241	31.62	6.00	CO13	37.62	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	RILEY	19404	150	8	VC	REHAB	246	10.15	6.00	244	16.15	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	RILEY	19405	350	8	VC	REHAB	262	4.90	14.00	246	18.90	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	LINDA VISTA	19407	315	8	VC	REHAB	248	15.22	8.00	249	23.22	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	LINDA VISTA	19408	310	8	VC	POINT REPAIR & REHAB	247	11.50	8.23	248	19.73	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	ALLEY	19369	50	8	VC	REHAB	219	39.04	6.00	CO12	45.04	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	LINDA VISTA	19406	313	8	VC	REHAB	249	22.78	7.00	239	29.78	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	NAPA	19410	313	8	VC	REHAB	262	4.90	14.00	247	18.90	2	Linda Vista/Clairemont Mesa	E17S
15	1268F3	LINDA VISTA	19455	175	8	VC	REHAB	238	35.79	7.00	CO11	42.79	2	Linda Vista/Clairemont Mesa	E17S
16	1268G3	ALLEY	19296	208	8	VC	REHAB	133	88.32	10.00	MH8	98.32	2	Linda Vista/Clairemont Mesa	E17S
16	1268G3	ALLEY	19297	110	8	VC	POINT REPAIR & REHAB	147	108.10	11.00	CO16	119.10	2	Linda Vista/Clairemont Mesa	E17S

MAP	THOMAS BRO	STREET NAME	FSN	LENGTH	SIZE	MATERIAL	ACTION	DS-MH-ID	DS-MH IE	DS MH DEPTH	US-MH-ID	DOWNSTREAM MH RIM EL. (FT)	Council District	Community	Gate Page
16	1268G3	MILDRED	19298	118	8	VC	REHAB	138	118.49	8.00	CO17	126.49	2	Linda Vista/Clairemont Mesa	E17S
16	1268F3	MILDRED	19302	98	8	VC	POINT REPAIR & REHAB	141	59.38	5.00	145	64.38	2	Linda Vista/Clairemont Mesa	E17S
16	1268F3	BENICIA	19306	50	8	VC	REHAB	144	58.53	14.00	141	72.53	2	Linda Vista/Clairemont Mesa	E17S
16	1268G3	COLUSA	19308	63	8	VC	REHAB	139	95.78	8.96	146	104.74	2	Linda Vista/Clairemont Mesa	E17S
16	1268G3	ALLEY	19309	175	8	VC	REHAB	146	96.73	12.00	147	108.73	2	Linda Vista/Clairemont Mesa	E17S
16	1268G3	COLUSA	19310	58	8	VC	REHAB	139	96.31	9.69	146	106.00	2	Linda Vista/Clairemont Mesa	E17S
16	1268G3	COLUSA	19311	14	8	CI	REHAB	139	96.24	9.76	146	106.00	2	Linda Vista/Clairemont Mesa	E17S
16	1268G3	JOSEPHINE	19312	295	8	VC	REHAB	140	76.15	12.00	156	88.15	2	Linda Vista/Clairemont Mesa	E17S
16	1268G3	JOSEPHINE	19313	119	8	VC	REHAB	156	108.56	8.00	155	116.56	2	Linda Vista/Clairemont Mesa	E17S
16	1268G3	ALLEY	19314	126	8	VC	REHAB	155	121.66	9.00	154	130.66	2	Linda Vista/Clairemont Mesa	E17S
16	1268G3	ALLEY	19315	369	8	VC	REHAB	154	135.52	12.00	153	147.52	2	Linda Vista/Clairemont Mesa	E17S
16	1268G2	BRUNNER	19316	55	8	VC	REHAB	149	146.92	5.00	152	151.92	2	Linda Vista/Clairemont Mesa	E17S
16	1268G3	ALLEY	19317	66	8	VC	REHAB	153	146.59	8.00	149	154.59	2	Linda Vista/Clairemont Mesa	E17S
16	1268G2	BRUNNER	19318	32	8	VC	POINT REPAIR & REHAB	152	153.92	7.00	CO15	160.92	2	Linda Vista/Clairemont Mesa	E17S
17	1268G3	LAURETTA	19300	330	8	VC	POINT REPAIR & REHAB	226	61.98	10.00	136	71.98	2	Linda Vista/Clairemont Mesa	E17S
17	1268F3	LAURETTA	19373	200	8	VC	REHAB	222	33.49	8.00	225	41.49	2	Linda Vista/Clairemont Mesa	E17S
17	1268G3	LAURETTA	19374	330	8	VC	REHAB	225	51.09	8.00	226	59.09	2	Linda Vista/Clairemont Mesa	E17S
17	1268G3	RILEY	19376	80	8	VC	REHAB	228	50.00	7.00	CO18	57.00	2	Linda Vista/Clairemont Mesa	E17S
17	1268G3	RILEY	19377	300	8	VC	REHAB	223	41.00	7.05	228	48.05	2	Linda Vista/Clairemont Mesa	E17S
17	1268G3	BENICIA	19380	190	8	VC	REHAB	209	27.13	6.00	223	33.13	2	Linda Vista/Clairemont Mesa	E17S
17	1268F3	ALLEY	19378	285	8	VC	POINT REPAIR & REHAB	221	29.66	8.00	224	37.66	2	Linda Vista/Clairemont Mesa	E17S
17	1268F3	ALLEY	19379	139	8	VC	POINT REPAIR & REHAB	215	28.73	5.00	221	33.73	2	Linda Vista/Clairemont Mesa	E17S
18	1268G3	COLUSA	19350	95	8	VC	REHAB	354	4.66	15.34	191	20.00	2	Linda Vista/Clairemont Mesa	E17S
18	1268G3	BENICIA	19382	45	8	VC	REHAB	207	26.52	15.00	208	41.52	2	Linda Vista/Clairemont Mesa	E17S
18	1268G3	BENICIA	19384	253	8	VC	REHAB	206	9.84	5.00	207	14.84	2	Linda Vista/Clairemont Mesa	E17S
18	1268G3	GAINES	19386	325	8	VC	POINT REPAIR & REHAB	208 DMH	34.12	10.88	234	45.00	2	Linda Vista/Clairemont Mesa	E17S
18	1268G3	COLUSA	19387	183	8	VC	REHAB	235	42.87	6.00	CO20	48.87	2	Linda Vista/Clairemont Mesa	E17S
18	1268G3	COLUSA	19388	276	8	VC	REHAB	205	10.59	10.00	235	20.59	2	Linda Vista/Clairemont Mesa	E17S
18	1268G3	COLUSA	19390	128	8	VC	REHAB	191	10.08	10.00	205	20.08	2	Linda Vista/Clairemont Mesa	E17S
18	1268G3	FRIARS	5057293	224	8	VC	REHAB	365	2.40	18.60	206	21.00	2	Linda Vista/Clairemont Mesa	E17S
19	1268G3	DONAHUE	19320	289	8	VC	REHAB	187	20.97	8.00	186	28.97	2	Linda Vista/Clairemont Mesa	E17S
19	1268G3	EUREKA	19321	208	8	VC	REHAB	178	43.06	12.00	180	55.06	2	Linda Vista/Clairemont Mesa	E17S
19	1268G3	FRESNO	5056672	45	8	VC	REHAB	356	10.96	23.74	176	34.70	2	Linda Vista/Clairemont Mesa	E17S
19	1268G3	FRESNO	19328	95	8	VC	REHAB	167	75.36	13.00	CO21	88.36	2	Linda Vista/Clairemont Mesa	E17S
19	1268G3	FRESNO	19329	190	8	VC	REHAB	168	48.76	11.00	167	59.76	2	Linda Vista/Clairemont Mesa	E17S
19	1268G3	FRESNO	19330	224	8	VC	REHAB	169	36.58	13.00	168	49.58	2	Linda Vista/Clairemont Mesa	E17S
19	1268G3	FRESNO	19342	90	8	VC	REHAB	173	20.47	14.00	169	34.47	2	Linda Vista/Clairemont Mesa	E17S
19	1268G3	EUREKA	19347	242	8	VC	REHAB	176	10.98	18.52	177	29.50	2	Linda Vista/Clairemont Mesa	E17S
19	1268G3	EUREKA	19348	180	8	VC	REHAB	177	37.12	11.00	178	48.12	2	Linda Vista/Clairemont Mesa	E17S
19	1268G3	DONAHUE	19349	288	8	VC	REHAB	189	10.60	9.40	187	20.00	2	Linda Vista/Clairemont Mesa	E17S
19	1268G3	FRIARS	5056669	76	8	VC	REHAB	356	8.48	21.52	176	30.00	2	Linda Vista/Clairemont Mesa	E17S
19	1268G3	ALLEY	5625727	127	8	VC	REHAB	355	5.92	16.88	189	22.80	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	EUREKA	19268	161	8	VC	REHAB	131	138.82	7.00	124	145.82	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	RUBY	19269	230	8	VC	POINT REPAIR & REHAB	124	142.61	6.00	122	148.61	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	ALLEY	19271	165	8	VC	REHAB	125	160.42	9.00	121	169.42	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	GOSHEN	19272	70	8	VC	REHAB	119	161.42	8.00	CO23	169.42	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	ALLEY	19273	210	8	VC	REHAB	119	161.42	8.00	118	169.42	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	LAURETTA	19281	110	8	VC	REHAB	114	154.11	8.00	CO22	162.11	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	LAURETTA	19282	220	8	VC	REHAB	117	142.01	6.00	114	148.01	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	LAURETTA	19283	340	8	VC	REHAB	127	131.13	6.00	117	137.13	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	ALLEY	19274	225	8	VC	REHAB	118	169.12	10.00	113	179.12	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	ALLEY	19270	4	8	VC	REHAB	124	174.90	8.00	122	182.90	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	LAURETTA	19286	220	8	VC	REHAB	129	105.34	7.00	127	112.34	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	LAURETTA	19289	221	8	VC	REHAB	135	62.24	6.00	129	68.24	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	ALLEY	19275	90	8	VC	REHAB	113	193.87	8.00	511	201.87	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	EUREKA	19290	139	8	VC	REHAB	129	105.34	7.00	130	112.34	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	ALLEY	19292	223	8	VC	REHAB	126	143.73	7.00	119	150.73	2	Linda Vista/Clairemont Mesa	E17S
20	1268G3	EUREKA	19294	279	8	VC	REHAB	130	119.28	7.00	131	126.28	2	Linda Vista/Clairemont Mesa	E17S
21	1268G3	HUENEME	19276	120	8	VC	REHAB	108	162.11	10.00	CO27	172.11	2	Linda Vista/Clairemont Mesa	E17S
21	1268G3	ALLEY	19278	100	8	VC	REHAB	111	154.42	7.00	108	161.42	2	Linda Vista/Clairemont Mesa	E17S
21	1268G3	ALLEY	19279	260	8	VC	REHAB	116	116.98	12.00	115	128.98	2	Linda Vista/Clairemont Mesa	E17S
21	1268G3	ALLEY	19280	140	8	VC	REHAB	115	118.02	7.00	111	125.02	2	Linda Vista/Clairemont Mesa	E17S
21	1268G3	ALLEY	19284	280	8	VC	REHAB	128	115.86	5.00	116	120.86	2	Linda Vista/Clairemont Mesa	E17S
21	1268G3	ALLEY	19285	350	8	VC	REHAB	182	73.86	8.00	128	81.86	2	Linda Vista/Clairemont Mesa	E17S
21	1268G3	RILEY	19322	175	8	VC	REHAB	185	42.75	7.00	181	49.75	2	Linda Vista/Clairemont Mesa	E17S

MAP	THOMAS BRO	STREET NAME	FSN	LENGTH	SIZE	MATERIAL	ACTION	DS-MH-ID	DS-MH IE	DS MH DEPTH	US-MH-ID	DOWNSTREAM MH RIM EL. (FT)	Council District	Community	Gate Page
21	1268G3	RILEY	19323	160	8	VC	POINT REPAIR & REHAB	CO24	42.75	7.00	185	49.75	2	Linda Vista/Clairemont Mesa	E17S
21	1268G3	ALLEY	19324	45	8	VC	REHAB	184	54.02	11.00	182	65.02	2	Linda Vista/Clairemont Mesa	E17S
21	1268G3	RILEY	19326	290	8	VC	POINT REPAIR & REHAB	181	59.73	15.00	179	74.73	2	Linda Vista/Clairemont Mesa	E17S
21	1268G3	RILEY	19327	196	8	VC	POINT REPAIR & REHAB	179	102.36	10.64	CO25	113.00	2	Linda Vista/Clairemont Mesa	E17S
21	1268G3	ALLEY	19458	160	8	VC	REHAB	CO26	65.12	2.85	183	67.97	2	Linda Vista/Clairemont Mesa	E17S
				Total	38237										

APPENDIX H

SEWER LATERAL PIPELINE REHABILITATION AU-1 SPREADSHEETS

PIPELINE REHABILITATION AU-1

Sewer Laterals
WBS No. B18037

MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
1	15015	1	328606	4	D16S	1735	Morena Blvd	1268E2
		2	209776	4	D16S	1717	Morena Blvd	1268E2
		3	209818	4	D16S	1675	Morena Blvd	1268E2
		4	-	4	D16S	1675	Morena Blvd	1268E2
	14970	5	209922	4	D16S	1623	Morena Blvd	1268E2
		6	-	4	D16S	1655	Morena Blvd	1268E2
	14991	7	328955	4	D16S	1525	Frankfort St	1268E2
		8	-	4	D16S	1525	Frankfort St	1268E3
	14978	9	-	4	D16S	1550	West Morena Blvd	1268E3
	14979	10	210427	4	D16S	1510	Morena Blvd	1268E2
		11	210455	4	D16S	1510	Morena Blvd	1268E2
		12	210462	4	D16S	1510	Morena Blvd	1268E2
		13	329147	4	D16S	1510	Morena Blvd	1268E2
		14	329169	4	D16S	1476	Morena Blvd	1268E2
		15	210512	4	D16S	1476	Morena Blvd	1268E2
		16	329182	4	D16S	1458	Morena Blvd	1268E2
		17	329204	4	D16S	1458	Morena Blvd	1268E2
		18	329211	4	D16S	1458	Morena Blvd	1268E2
		19	329218	4	D16S	1450	Morena Blvd	1268E2
		20	329235	4	D16S	1450	Morena Blvd	1268E2
		21	329243	4	D16S	1450	Morena Blvd	1268E2
2	15000	22	210045	4	D16S	4528	Tonopah Ave	1268E2
		23	210027	4	D16S	4520	Tonopah Ave	1268E2
		24	209991	4	D16S	4512	Tonopah Ave	1268E2
		25	209969	4	D16S	4504	Tonopah Ave	1268E2
		26	206871	4	D16S	1369	Frankfort St	1268E2
	15001	27	328739	4	D16S	1404	Frankfort St	1268E2
		28	328724	4	D16S	1431	Frankfort St	1268E2
		29	209898	4	D16S	1412	Frankfort St	1268E2
		30	209862	4	D16S	1420	Frankfort St	1268E2
		31	209830	4	D16S	1428	Frankfort St	1268E2
		32	328661	4	D16S	1436	Frankfort St	1268E2
	15003	33	328641	4	D16S	1444	Frankfort St	1268E2
		34	209753	4	D16S	1452	Frankfort St	1268E2
		35	209712	4	D16S	1460	Frankfort St	1268E2
		36	328627	4	D16S	1459	Frankfort St	1268E2
		37	209727	4	D16S	1465	Frankfort St	1268E2
	15004	38	209641	4	D16S	1504	Frankfort St	1268E2
		39	209680	4	D16S	1503	Frankfort St	1268E2
		40	328539	4	D16S	1512	Frankfort St	1268E2
		41	209644	4	D16S	1511	Frankfort St	1268E2
		42	328512	4	D16S	1520	Frankfort St	1268E2
	19134	43	209482	4	D16S	4441	Frankfort St	1268E2
		44	-	4	D16S	1536	Frankfort St	1268E2
		45	328435	4	D16S	4431	Frankfort St	1268E2
		46	209450	4	D16S	4421	Frankfort St	1268E2
	15005	47	328531	4	D16S	1507	Asher St	1268E2
19133	48	209612	4	D16S	1519	Frankfort St	1268E2	
	49	328495	4	D16S	1528	Frankfort St	1268E1	
	50	209594	4	D16S	1527	Frankfort St	1268E2	
	51	209541	4	D16S	1536	Frankfort St	1268E1	
	52	209565	4	D16S	1535	Frankfort St	1268E2	
	53	209548	4	D16S	1543	Frankfort St	1268E1	

PIPELINE REHABILITATION AU-1

Sewer Laterals
WBS No. B18037

MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
3	19123	54	328856	4	E16S	4626	Tonopah Ave	1268E2
		55	210128	4	E16S	4636	Tonopah Ave	1268E2
		56	210099	4	E16S	1443	Tonopah Ave	1268E2
		57	-	4	E16S	1411	Tonopah Ave	1268E2
		58	-	4		1505	Tonopah Ave	1268E2
		59	210166	4	E16S	4704	Tonopah Ave	1268E2
	19125	60	328893	4	E16S	1420	Nashville St	1268E2
		61	328858	4	E16S	1515	Nashville St	1268E2
		62	328866	4	E16S	1428	Nashville St	1268E2
		63	210096	4	E16S	1525	Nashville St	1268E2
	19126	64	210022	4	E16S	1516	Bervy	1268E2
		65	328827	4	E16S	1526	Bervy	1268E2
		66	209971	4	E16S	1521	Bervy	1268E2
		67	210012	4	E16S	1512	Bervy	1268E2
		68	328790	4	E16S	1512	Bervy	1268E2
		69	209943	4	E16S	1529	Bervy	1268E2
		70	209965	4	E16S	1520	Bervy	1268E2
	19148	71	209921	4	E16S	1537	Bervy	1268E2
		72	328756	4	E16S	1528	Bervy	1268E2
		73	328718	4	E16S	1543	Bervy	1268E2
		74	209928	4	E16S	1536	Bervy	1268E2
		75	328686	4	E16S	1549	Bervy	1268E2
		76	209891	4	E16S	1544	Bervy	1268E2
		77	209837	4	E16S	1557	Bervy	1268E2
		78	209875	4	E16S	1552	Bervy	1268E2
		79	209815	4	E16S	1565	Bervy	1268E2
	80	-	4	E16S	4727	Littlefield St	1268E2	
	19147	81	209705	4	E16S	4640	Littlefield St	1268E2
		82	209725	4	E16S	4704	Littlefield St	1268E2
83		209759	4	E16S	4720	Littlefield St	1268E2	
84		209788	4	E16S	4736	Littlefield St	1268E2	
19146	85	328633	4	E16S	1712	knoxville St	1268E2	
	86	209733	4	E16S	1720	knoxville St	1268E2	
	87	328609	4	E16S	1730	knoxville St	1268E2	
	88	209756	4	E16S	4848	knoxville St	1268E2	
	89	328599	4	E16S	1730	knoxville St	1268E2	
	90	328584	4	E16S	1738	knoxville St	1268E2	
19145	91	209619	4	E16S	1752	knoxville St	1268E2	
	92	209637	4	E16S	1755	knoxville St	1268E2	
	93	280942	4	E16S	1755	knoxville St	1268E2	
	94	280941	4	E16S	1765	knoxville St	1268E2	
	95	-	4	E16S	1744	knoxville St	1268E2	
	96	209597	4	E16S	1775	knoxville St	1268E2	

PIPELINE REHABILITATION AU-1

Sewer Laterals
WBS No. B18037

MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
4	19138	97	209395	4	E16S	1757	Gardena Ave	1268E1
		98	209407	4	E16S	4619	Gardena Ave	1268E1
		99	-	4	E16S	1757	Gardena Ave	1268E1
		100	209410	4	E16S	4629	Gardena Ave	1268E1
	18889	101	328343	4	E16S	1805	Magdalena Way	1268E1
		102	328333	4	E16S	4680	Magdalena Way	1268E1
		103	328313	4	E16S	1812	Magdalena Way	1268E1
		104	328319	4	E16S	1815	Magdalena Way	1268E1
		105	209283	4	E16S	1822	Magdalena Way	1268E1
		106	209285	4	E16S	1825	Magdalena Way	1268E1
		107	209243	4	E16S	1832	Magdalena Way	1268E1
		108	209238	4	E16S	1835	Magdalena Way	1268E1
		109	328244	4	E16S	1842	Magdalena Way	1268E1
		110	328245	4	E16S	1845	Magdalena Way	1268E1
		111	209180	4	E16S	1855	Magdalena Way	1268E1
	18890	112	209163	4	E16S	1852	Magdalena Way	1268E1
		113	209138	4	E16S	1865	Magdalena Way	1268E1
		114	209127	4	E16S	1862	Magdalena Way	1268E1
		115	328181	4	E16S	1873	Magdalena Way	1268E1
		116	328176	4	E16S	1872	Magdalena Way	1268E1
		117	328148	4	E16S	1885	Magdalena Way	1268E1
		118	328140	4	E16S	1882	Magdalena Way	1268E1
	19141	119	209346	4	E16S	4760	Illion St	1268E1
		120	209307	4	E16S	1818	Illion St	1268E1
		121	328295	4	E16S	1875	Illion St	1268E1
		122	328276	4	E16S	1830	Illion St	1268E1
	18887	123	209247	4	E16S	1830	Illion St	1268E1
		124	328254	4	E16S	1842	Illion St	1268E1
		125	209208	4	E16S	1850	Illion St	1268E1
	18891	126	208920	4	E16S	1920	Illion St	1268E1
		127	208919	4	E16S	1919	Illion St	1268E1
128		208973	4	E16S	1915	Illion St	1268E1	
129		328072	4	E16S	1916	Illion St	1268E1	
130		328102	4	E16S	1892	Illion St	1268E1	
131		328115	4	E16S	1895	Illion St	1268E1	

PIPELINE REHABILITATION AU-1

Sewer Laterals
WBS No. B18037

MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
5	19064	132	-	4	E16S	1855	Gardena Pl	1268F1
		133	-	4	E16S	1845	Gardena Pl	1268F1
		134	-	4	E16S	1835	Gardena Pl	1268F1
	19065	135	209537	4	E16S	4881	Viane Way	1268F1
		136	328444	4	E16S	4882	Viane Way	1268F1
		137	328459	4	E16S	4871	Viane Way	1268F1
		138	328419	4	E16S	4872	Viane Way	1268F1
		139	209411	4	E16S	4862	Viane Way	1268F1
		140	209462	4	E16S	4861	Viane Way	1268F1
		141	328378	4	E16S	4852	Viane Way	1268F1
		142	209420	4	E16S	4851	Viane Way	1268F1
		19066	143	328356	4	E16S	4842	Viane Way
	144		209389	4	E16S	4841	Viane Way	1268F1
	145		209334	4	E16S	4832	Viane Way	1268F1
	146		209356	4	E16S	4831	Viane Way	1268F1
	147		209309	4	E16S	4822	Viane Way	1268F1
	148		328346	4	E16S	4821	Viane Way	1268F1
	149		209293	4	E16S	4812	Viane Way	1268F1
	150		209339	4	E16S	4811	Viane Way	1268F1
	151		209294	4	E16S	4802	Viane Way	1268F1
	19067	152	209295	4	E16S	4801	Viane Way	1268F1
		153	-	4	E16S	4904	Gardena Pl	1268F1
	18877	154	-	4	E16S	4897	Gardena Pl	1268F1
		155	209314	4	E16S	1901	Gardena Pl	1268F1
		156	209281	4	E16S	1911	Gardena Pl	1268F1
		157	209248	4	E16S	1921	Gardena Pl	1268F1
		158	209222	4	E16S	1920	Gardena Pl	1268F1
		159	328231	4	E16S	1930	Gardena Pl	1268F1
	18878	160	328214	4	E16S	1940	Gardena Pl	1268F1
		161	209176	4	E16S	1941	Gardena Pl	1268F1
		162	209174	4	E16S	4906	Gardena Pl	1268F1
	18879	163	209149	4	E16S	1951	Gardena Pl	1268F1
		164	328193	4	E16S	1950	Gardena Pl	1268F1
		165	209116	4	E16S	1960	Gardena Pl	1268F1
		166	209115	4	E16S	1970	Gardena Pl	1268F1
	18886	167	209114	4	E16S	1961	Gardena Pl	1268F1
168		328291	4	E16S	4886	Spaks Ave	1268F1	
169		209302	4	E16S	4861	Spaks Ave	1268F1	
170		209278	4	E16S	4873	Spaks Ave	1268F1	
171		-	4	E16S	4891	Sparks Ct	1268F1	
18885	172	328263	4	E16S	4865	Spaks Ave	1268F1	
	173	328240	4	E16S	4857	Spaks Ave	1268F1	
	174	328219	4	E16S	4844	Spaks Ave	1268F1	
	175	328220	4	E16S	4849	Spaks Ave	1268F1	
	176	-	4	E16S	4866	Sparks Ct	1268F1	
1884	177	209130	4	E16S	4841	Spaks Ave	1268F1	
	178	209084	4	E16S	4833	Spaks Ave	1268F1	
	179	209103	4	E16S	4832	Spaks Ave	1268F1	
	180	328142	4	E16S	4825	Spaks Ave	1268F1	
	181	328151	4	E16S	4822	Spaks Ave	1268F1	
	182	209013	4	E16S	4817	Spaks Ave	1268F1	
	183	209000	4	E16S	4809	Spaks Ave	1268F1	
	184	208999	4	E16S	4801	Spaks Ave	1268F1	
	185	208998	4	E16S	4802	Spaks Ave	1268F1	
	186	209027	4	E16S	4814	Spaks Ave	1268F1	

PIPELINE REHABILITATION AU-1

Sewer Laterals
WBS No. B18037

MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
6	19080	187	209855	4	E16S	1831	Bonus Dr	1268F2
		188	-	4	E16S	1841	Bonus Dr	1268F2
	19078	189	328656	4	E16S	1851	Bonus Dr	1268F2
		190	209729	4	E16S	1860	Bonus Dr	1268F2
		191	209760	4	E16S	1861	Bonus Dr	1268F2
		192	328598	4	E16S	1870	Bonus Dr	1268F2
		193	328613	4	E16S	1871	Bonus Dr	1268F2
		194	328574	4	E16S	1880	Bonus Dr	1268F2
		195	328586	4	E16S	1881	Bonus Dr	1268F2
		196	209627	4	E16S	1890	Bonus Dr	1268F2
		197	328558	4	E16S	1891	Bonus Dr	1268F2
		19079	198	328647	4	E16S	4991	Spaks Ave
	199		209707	4	E16S	4980	Spaks Ave	1268F1
	200		328629	4	E16S	4981	Spaks Ave	1268F1
	19084	201	209721	4	E16S	4971	Sparks Ct	1268F1
		202	328557	4	E16S	4970	Sparks Ct	1268F1
	19086	203	209695	4	E16S	1823	Sparks Ct	1268F1
		204	209648	4	E16S	1822	Sparks Ct	1268F1
		205	209642	4	E16S	1832	Sparks Ct	1268F1
	19085	206	328522	4	E16S	4960	Sparks Ct	1268F1
		207	209579	4	E16S	1842	Sparks Ct	1268F1
	19070	208	209558	4	E16S	1873	Sparks Ct	1268F1
		209	209512	4	E16S	1882	Sparks Ct	1268F1
		210	209513	4	E16S	1872	Sparks Ct	1268F1
	19068	211	209508	4	E16S	4930	Sparks Ct	1268F1
		212	209542	4	E16S	4921	Sparks Ct	1268F1
		213	209467	4	E16S	4920	Sparks Ct	1268F1
19069	214	209498	4	E16S	4911	Sparks Ct	1268F1	
	215	209423	4	E16S	4910	Sparks Ct	1268F1	
7	19075	216	328505	4	E16S	4976	Bonus Dr	1268F1
	19074	217	209526	4	E16S	1905	Bonus Dr	1268F1
		218	328475	4	E16S	1902	Bonus Dr	1268F1
		219	209477	4	E16S	1915	Bonus Dr	1268F1
		220	209479	4	E16S	1910	Bonus Dr	1268F1
		221	328405	4	E16S	1925	Bonus Dr	1268F1
		222	209418	4	E16S	1918	Bonus Dr	1268F1
	19072	223	209363	4	E16S	1926	Bonus Dr	1268F1
		224	209341	4	E16S	1934	Bonus Dr	1268F1
	19073	225	328339	4	E16S	4960	Sky St	1268F1
		226	328360	4	E16S	4970	Sky St	1268F1
		227	209386	4	E16S	4980	Sky St	1268F1
		228	209392	4	E16S	4990	Sky St	1268F1
		229	209449	4	E16S	1915	Sky St	1268F1
	18876	230	-	4	E16S	1950	Bonus Dr	1268F1
		231	328277	4	E16S	1951	Bonus Dr	1268F1
	19157	232	1148755	4	E16S	4948	Sky St	1268F1
	19071	233	328298	4	E16S	4940	Sky St	1268F1
		234	328329	4	E16S	4931	Sky St	1268F1
		235	209287	4	E16S	4930	Sky St	1268F1
		236	328328	4	E16S	4921	Sky St	1268F1
		237	209274	4	E16S	4912	Sky St	1268F1
		238	209320	4	E16S	4911	Sky St	1268F1

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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
8	19076	239	328665	4	E16S	1838	Goldboro St	1268F1
		240	209807	4	E16S	1850	Goldboro St	1268F1
		241	328638	4	E16S	1862	Goldboro St	1268F1
		242	209743	4	E16S	1874	Goldboro St	1268F1
		243	209738	4	E16S	5001	Goldboro St	1268F1
	19054	244	328550	4	E16S	4996	Goldboro St	1268F1
		245	328525	4	E16S	1912	Goldboro St	1268F1
		246	328506	4	E16S	1922	Goldboro St	1268F1
		247	328529	4	E16S	1925	Goldboro St	1268F1
		248	328486	4	E16S	1932	Goldboro St	1268F1
		249	209566	4	E16S	1935	Goldboro St	1268F1
	19053	250	209730	4	E16S	5009	Gasconade Ave	1268F2
		251	328624	4	E16S	5017	Gasconade Ave	1268F2
		252	209748	4	E16S	5017	Gasconade Ave	1268F2
		253	209689	4	E16S	5018	Gasconade Ave	1268F2
		254	328593	4	E16S	5018	GASconade Ave	1268F2
		255	209758	4	E16S	5025	Gasconade Ave	1268F2
	19049	256	209934	4	E16S	5094	Gasconade Ave	1268F2
		257	209927	4	E16S	5096	Gasconade Ave	1268F2
	19050	258	328703	4	E16S	5090	Gasconade Ave	1268F2
19051	259	-	4	E16S	5072	Gasconade Ave	1268F2	
	260	-	4	E16S	5078	Gasconade Ave	1268F2	
	261	-	4	E16S	5084	Gasconade Ave	1268F2	
	262	-	4	E16S	5067	Gasconade Ave	1268F2	

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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
9	19095	263	210053	4	E16S	4979	Gardena Ave	1268F2
		264	210052	4	E16S	4987	Gardena Ave	1268F2
		265	328831	4	E16S	4995	Gardena Ave	1268F2
		266	328796	4	E16S	4990	Gardena Ave	1268F2
		267	-	4	E16S	4980	Gardena Ave	1268F2
		268	-	4	E16S	4969	Gardena Ave	1268F2
	19077	269	328690	4	E16S	1826	Goldboro St	1268F2
		270	-	4	E16S	1818	Goldboro St	1268F2
	19039	271	210066	4	E16S	5001	Gardena Ave	1268F2
		272	210025	4	E16S	5010	Gardena Ave	1268F2
		273	328840	4	E16S	5011	Gardena Ave	1268F2
		274	328843	4	E16S	5019	Gardena Ave	1268F2
		275	328817	4	E16S	5018	Gardena Ave	1268F2
		276	328826	4	E16S	5026	Gardena Ave	1268F2
		277	210090	4	E16S	5027	Gardena Ave	1268F2
		278	328855	4	E16S	5035	Gardena Ave	1268F2
		279	328830	4	E16S	5034	Gardena Ave	1268F2
		280	210065	4	E16S	5042	Gardena Ave	1268F2
	19040	281	210115	4	E16S	5043	Gardena Ave	1268F2
		282	210120	4	E16S	5051	Gardena Ave	1268F2
		283	328838	4	E16S	5050	Gardena Ave	1268F2
		284	328842	4	E16S	5060	Gardena Ave	1268F2
		285	210133	4	E16S	5061	Gardena Ave	1268F2
		286	210142	4	E16S	5071	Gardena Ave	1268F2
		287	328846	4	E16S	5070	Gardena Ave	1268F2
		288	328851	4	E16S	5080	Gardena Ave	1268F2
		289	210162	4	E16S	5081	Gardena Ave	1268F2
		290	328895	4	E16S	5091	Gardena Ave	1268F2
		291	210106	4	E16S	5090	Gardena Ave	1268F2
		292	328865	4	E16S	5102	Gardena Ave	1268F2
		19041	293	328900	4	E16S	5101	Gardena Ave
	294		328911	4	E16S	5111	Gardena Ave	1268F2
295	210126		4	E16S	5112	Gardena Ave	1268F2	
296	210138		4	E16S	5122	Gardena Ave	1268F2	
297	210191		4	E16S	5121	Gardena Ave	1268F2	
298	210196		4	E16S	5131	Gardena Ave	1268F2	
299	328884		4	E16S	5132	Gardena Ave	1268F2	
300	210163		4	E16S	5142	Gardena Ave	1268F2	
301	210210		4	E16S	5141	Gardena Ave	1268F2	
302	210224		4	E16S	5151	Gardena Ave	1268F2	
303	210170		4	E16S	5152	Gardena Ave	1268F2	
304	328903		4	E16S	5162	Gardena Ave	1268F2	
19042	305	210233	4	E16S	5161	Gardena Ave	1268F2	
	306	210240	4	E16S	5171	Gardena Ave	1268F2	
	307	328907	4	E16S	5172	Gardena Ave	1268F2	
	308	210244	4	E16S	5181	Gardena Ave	1268F2	
19044	309	-	4	E16S	5182	Gardena Ave	1268F3	
	310	210075	4	E16S	1821	Cross St	1268F2	
	311	328828	4	E16S	5171	Cross St	1268F2	
	312	328802	4	E16S	1831	Cross St	1268F2	
19045	313	-	4	E16S	1815	Cross St	1268F2	
	314	210000	4	E16S	1841	Cross St	1268F2	
	315	209999	4	E16S	5172	Georgetown Ave	1268F2	
	316	210063	4	E16S	5161	Georgetown Ave	1268F2	
	317	209995	4	E16S	5162	Georgetown Ave	1268F2	
19046	318	328789	4	E16S	5152	Georgetown Ave	1268F2	
	319	210056	4	E16S	5151	Georgetown Ave	1268F2	
	320	210049	4	E16S	5141	Georgetown Ave	1268F2	
	321	209981	4	E16S	5140	Georgetown Ave	1268F2	
	322	328818	4	E16S	5131	Georgetown Ave	1268F2	
	323	328778	4	E16S	5130	Georgetown Ave	1268F2	
	324	210028	4	E16S	5121	Georgetown Ave	1268F2	
	325	210015	4	E16S	5111	Georgetown Ave	1268F2	

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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
	19048	326	209997	4	E16S	5101	Georgetown Ave	1268F2
		327	209987	4	E16S	5093	Georgetown Ave	1268F2
		328	209974	4	E16S	5083	Georgetown Ave	1268F2
		329	328749	4	E16S	5084	Georgetown Ave	1268F2
		330	209966	4	E16S	5073	Georgetown Ave	1268F2
		331	328744	4	E16S	5074	Georgetown Ave	1268F2
		332	328770	4	E16S	5063	Georgetown Ave	1268F2
		333	328737	4	E16S	5064	Georgetown Ave	1268F2
		334	328732	4	E16S	5054	Georgetown Ave	1268F2
		335	328761	4	E16S	5053	Georgetown Ave	1268F2
		336	328757	4	E16S	5043	Georgetown Ave	1268F2
		337	328725	4	E16S	5044	Georgetown Ave	1268F2
	19047	338	328752	4	E16S	5033	Georgetown Ave	1268F2
		339	209892	4	E16S	5034	Georgetown Ave	1268F2
		340	209935	4	E16S	5025	Georgetown Ave	1268F2
		341	209885	4	E16S	5026	Georgetown Ave	1268F2
		342	209873	4	E16S	5018	Georgetown Ave	1268F2
		343	209925	4	E16S	5017	Georgetown Ave	1268F2
		344	328734	4	E16S	5009	Georgetown Ave	1268F2
		345	328682	4	E16S	5002	Georgetown Ave	1268F2
346		328726	4	E16S	5001	Georgetown Ave	1268F2	
347		209860	4	E16S	5010	Georgetown Ave	1268F2	

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Sewer Laterals
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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
10	19231	348	211919	4	E17S	4954	West Morena Blvd	1268E3
		349	330167	4	E17S	1245	West Morena Blvd	1268E3
		350	211964	4	E17S	4966	West Morena Blvd	1268E3
		351	212025	4	E17S	1205	West Morena Blvd	1268E3
		352	212113	4	E17S	1205	West Morena Blvd	1268E3
	19228	353	330333	4	E17S	1071	West Morena Blvd	1268F2
		354	330384	4	E17S	1071	West Morena Blvd	1268E3
	19227	355	212005	4	E17S	1180	Napples Pl	1268E3
		356	330255	4	E17S	1172	Napples Pl	1268E3
		357	330293	4	E17S	1071	Napples Pl	1268E3
		358	212117	4	E17S	1162	Napples Pl	1268E3
		359	211972	4	E17S	1071	Napples Pl	1268E3
		360	212142	4	E17S	1162	Napples Pl	1268E3
		361	330290	4	E17S	1162	Napples Pl	1268E3
		362	330189	4	E17S	1180	Napples Pl	1268E3
	19216	363	330458	4	E17S	1112	Napples Pl	1267F3
		364	330490	4	E17S	1104	Napples Pl	1267F3
		365	330497	4	E17S	1102	Napples Pl	1267F3
		366	212499	4	E17S	1102	Napples Pl	1267F3
	19215	367	330560	4	E17S	1076	Napples Pl	1267F3
	19213	368	330698	4	E17S	1065	Cushman Ave	1268E3
	19212	369	212889	4	E17S	1019	Morena Blvd	1267F3
	19211	370	330624	4	E17S	1045	Cushman Ave	1267F3
		371	330605	4	E17S	1661	Cushman Ave	1267F3
		372	330546	4	E17S	1169	Cushman Ave	1267F3
		373	212529	4	E17S	1169	Cushman Ave	1267F3
		374	330485	4	E17S	5171	Cushman Ave	1267F3
		375	330494	4	E17S	1215	Cushman Ave	1267F3
		376	1152271	4	E17S	1230	Cushman Ave	1267F3
	19217	377	212067	4	E17S	1123	Savannah St	1267F3
		378	330198	4	E17S	5110	Savannah St	1267F3
		379	330206	4	E17S	5110	Savannah St	1267F3
		380	212015	4	E17S	5110	Savannah St	1267F3
		381	212056	4	E17S	5114	Savannah St	1267F3
		382	212133	4	E17S	1123	Savannah St	1267F3
		383	330258	4	E17S	5118	Savannah St	1267F3
		384	330308	4	E17S	1103	Savannah St	1267F3
		385	330288	4	E17S	5130	Savannah St	1267F3
		386	212180	4	E17S	5138	Savannah St	1267F3
		387	212195	4	E17S	5144	Savannah St	1267F3
		388	212156	4	E17S	1103	Savannah St	1267F3
		389	330265	4	E17S	5124	Savannah St	1267F3
		390	330352	4	E17S	5145	Savannah St	1267F3
19221	391	212214	4	E17S	1071	Napples Pl	1268E3	
	392	212167	4	E17S	1156	Napples Pl	1268E3	
	393	212202	4	E17S	1152	Napples Pl	1268E3	
	394	212287	4	E17S	1071	Napples Pl	1268E3	
	395	330331	4	E17S	1152	Napples Pl	1268E3	
	396	212281	4	E17S	1071	Napples Pl	1268E3	
	397	212324	4	E17S	1129	Napples Pl	1268E3	
	398	330351	4	E17S	1152	Napples Pl	1268E3	
	399	212312	4	E17S	1129	Napples Pl	1268E3	
	400	212278	4	E17S	1152	Napples Pl	1268E3	
	401	330373	4	E17S	1152	Napples Pl	1268E3	
19226	402	211729	4	E17S	1201	Morena Blvd	1268E3	
	403	330042	4	E17S	1201	Morena Blvd	1268E3	

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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
11	19244	404	329894	4	E17S	1210	Gertrude St	1268E2
		405	329933	4	E17S	1202	Gertrude St	1268E2
	19223	406	330035	4	E17S	5037	Savannah St	1268F3
		407	211753	4	E17S	5045	Savannah St	1268F3
		408	211784	4	E17S	5053	Savannah St	1268F3
		409	330085	4	E17S	5053	Savannah St	1268F3
		410	211539	4	E17S	5007	Dorcas St	1268F2
	19246	411	329869	4	E17S	1211	Dorcas St	1268F2
		412	211449	4	E17S	1271	Dorcas St	1268F2
		413	329792	4	E17S	1308	Dorcas St	1268F2
	19247	414	329765	4	E17S	1316	Dorcas St	1268F2
		415	211337	4	E17S	1315	Dorcas St	1268F2
		416	211265	4	E17S	1326	Dorcas St	1268F2
		417	211302	4	E17S	1325	Dorcas St	1268F2
		418	329720	4	E17S	1332	Dorcas St	1268F2
		419	211214	4	E17S	1332	Dorcas St	1268F2
		420	1129793	4	E17S	1290	Buenos Ave	1268F2
	19203	421	211748	4	E17S	1285	Buenos Ave	1268F2
		19174	422	-	4	E17S	1295	Bianca Ave
	423		211598	4	E17S	5056	Bianca Ave	1268F2
19207	424	212267	4	E17S	1235	Cushman Ave	1268F3	
	425	5490495	4	E17S	1230	Cushman Ave	1268F3	
19206	426	212418	4	E17S	1227	Cushman Pl	1268F3	
	427	330505	4	E17S	1221	Cushman Pl	1268F3	
	428	330518	4	E17S	5226	Cushman Pl	1268F3	
	429	212469	4	E17S	5225	Cushman Pl	1268F3	
	430	212492	4	E17S	5231	Cushman Pl	1268F3	
	431	212621	4	E17S	5226	Cushman Pl	1268F3	
	432	330586	4	E17S	5234	Cushman Pl	1268F3	
	433	330524	4	E17S	5231	Cushman Pl	1268F3	
	434	330549	4	E17S	5251	Cushman Pl	1268F3	
	435	330608	4	E17S	5251	Cushman Pl	1268F3	
12	19251	436	211075	4	E17S	1308	Viola St	1268E2
		437	329618	4	E17S	1325	Viola St	1268E2
		438	329592	4	E17S	1329	Viola St	1268E2
		439	329557	4	E17S	1345	Viola St	1268E2
		440	211012	4	E17S	1320	Viola St	1268E2
		441	210953	4	E17S	1344	Viola St	1268E2

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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
13	19166	442	211076	4	E17S	1381	Everview Rd	1268F2
		443	329584	4	E17S	1403	Everview Rd	1268F2
		444	211054	4	E17S	1409	Everview Rd	1268F2
		445	211052	4	E17S	1411	Everview Rd	1268F2
		446	210997	4	E17S	1422	Everview Rd	1268F2
		447	211014	4	E17S	1421	Everview Rd	1268F2
		448	329573	4	E17S	1431	Everview Rd	1268F2
		449	329595	4	E17S	1441	Everview Rd	1268F2
	19170	450	329570	4	E17S	1449	Everview Rd	1268F2
		451	210972	4	E17S	1440	Everview Rd	1268F2
		452	210958	4	E17S	1452	Everview Rd	1268F2
		453	329543	4	E17S	1459	Everview Rd	1268F2
	19168	454	210665	4	E17S	1512	Dorcas St	1268F2
		455	210611	4	E17S	1518	Dorcas St	1268F2
456		210597	4	E17S	1524	Dorcas St	1268F2	
457		210596	4	E17S	1528	Dorcas St	1268F2	
14	19196	458	329888	4	E17S	5146	Ellsworth	1268F2
		459	211432	4	E17S	5136	Ellsworth	1268F2
		460	211429	4	E17S	5145	Ellsworth	1268F2
		461	211399	4	E17S	5130	Ellsworth	1268F2
	19193	462	211377	4	E17S	5145	Crown St	1268F2
		463	211352	4	E17S	5135	Crown St	1268F2
		464	211310	4	E17S	5127	Crown St	1268F2
	19180	465	211249	4	E17S	5104	Monitor Rd	1268F2
		466	211165	4	E17S	1376	Monitor Rd	1268F2
		467	329717	4	E17S	5105	Monitor Rd	1268F2
		468	329657	4	E17S	1386	Monitor Rd	1268F2
		469	211126	4	E17S	1394	Monitor Rd	1268F2
		470	329646	4	E17S	1402	Monitor Rd	1268F2
	19181	471	211147	4	E17S	5106	Monitor Rd	1268F2
		472	329605	4	E17S	1412	Monitor Rd	1268F2
473		1130053	4	E17S	1419	Monitor Rd	1268F2	
474		329578	4	E17S	1420	Monitor Rd	1268F2	
475		329568	4	E17S	1430	Monitor Rd	1268F2	

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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
15	19392	476	213473	4	E17S	999	Morena Blvd	1268F3
		477	213485	4	E17S	999	Morena Blvd	1268F3
		478	213699	4	E17S	909	Morena Blvd	1268F3
	19397	479	331452	4	E17S	5330	Linda Vista Rd	1268F3
		480	214219	4	E17S	5150	Linda Vista Rd	1268F3
		481	214234	4	E17S	5150	Linda Vista Rd	1268F3
	19404	482	-	4	E17S	5260	Riley St	1268F3
		483	-	4	E17S	5280	Riley St	1268F3
	19410	484	214232	4	E17S	5201	Napa St	1268F3
		485	214398	4	E17S	5125	Napa St	1268F3
		486	331669	4	E17S	5125	Napa St	1268F3
		487	214341	4	E17S	5370	Napa St	1268F3
	19408	488	213912	4	E17S	5251	Linda Vista Rd	1268F3
		489	331335	4	E17S	5251	Linda Vista Rd	1268F3
	19398	490	331193	4	E17S	5328	Metro St	1268F3
		491	213614	4	E17S	5325	Metro St	1268F3
		492	213506	4	E17S	5305	Metro St	1268F3
		493	213495	4	E17S	5304	Metro St	1268F3
		494	331133	4	E17S	5304	Metro St	1268F3
	19407	495	331249	4	E17S	5265	Linda Vista Rd	1268F3
		496	213593	4	E17S	5265	Linda Vista Rd	1268F3
		497	331150	4	E17S	5265	Linda Vista Rd	1268F3
		498	213420	4	E17S	5330	Linda Vista Rd	1268F3
	19406	499	213138	4	E17S	5374	Linda Vista Rd	1268F3
		500	213097	4	E17S	5374	Linda Vista Rd	1268F3
	19401	501	213150	4	E17S	5401	Linda Vista Rd	1268F3
		502	331077	4	E17S	5401	Linda Vista Rd	1268F3
	19370	503	-	4	E17S	5451	Alley	1268F3
		504	-	4	E17S	5450	Alley	1268F3
		505	-	4	E17S	5465	Alley	1268F3
	19402	506	331106	4	E17S	5401	Lauretta St	1268F3
	19368	507	330831	4	E17S	5411	Linda Vista Rd	1268F3
		508	213022	4	E17S	5423	Linda Vista Rd	1268F3
		509	213010	4	E17S	5425	Linda Vista Rd	1268F3
		510	213003	4	E17S	5425	Linda Vista Rd	1268F3
		511	213053	4	E17S	5442	Lauretta St	1268F3
		512	330792	4	E17S	5445	Mildred St	1268F3
		513	330789	4	E17S	5453	Mildred St	1268F3
	19369	514	330779	4	E17S	5455	Azusa St	1268F3
		515	330824	4	E17S	5450	Azusa St	1268F3
		516	330765	4	E17S	1278	Azusa St	1268F3
	19367	517	331015	4	E17S	5404	Lauretta St	1268F3
		518	213333	4	E17S	5411	Lauretta St	1268F3
		519	213294	4	E17S	5410	Lauretta St	1268F3
		520	213390	4	E17S	5419	Lauretta St	1268F3
		521	213267	4	E17S	5422	Lauretta St	1268F3
		522	213304	4	E17S	5450	Lauretta St	1268F3
		523	213253	4	E17S	5430	Lauretta St	1268F3
		524	213223	4	E17S	5438	Lauretta St	1268F3
		525	330950	4	E17S	5446	Lauretta St	1268F3
		526	331027	4	E17S	5439	Lauretta St	1268F3
	19396	527	214171	4	E17S	845	Napa St	1268F3
		528	213942	4	E17S	5302	Napa St	1268F3
		529	331417	4	E17S	5210	Napa St	1268F3
		530	214129	4	E17S	845	Napa St	1268F3
19405	531	214376	4	E17S	5376	Riley St	1268F3	
	532	214399	4	E17S	5220	Riley St	1268F3	
	533	331545	4	E17S	5228	Riley St	1268F3	
	534	214274	4	E17S	5220	Riley St	1268F3	
	535	331473	4	E17S	5228	Riley St	1268F3	

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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
16	19308	536	-	4	E17S	1307	Colusa St	1268F3
	19302	537	330648	4	E17S	5601	Mildred St	1268F3
		538	212616	4	E17S	5610	Mildred St	1268F3
	19314	539	211946	4	E17S	5701	Josephine St	1268G3
	19315	540	211994	4	E17S	5702	Josephine St	1268G3
		541	330163	4	E17S	5705	Josephine St	1268G3
		542	211915	4	E17S	5725	Josephine St	1268G3
		543	330168	4	E17S	5734	Josephine St	1268G3
		544	330158	4	E17S	5744	Josephine St	1268G3
		545	211860	4	E17S	5755	Josephine St	1268G3
		546	211855	4	E17S	5757	Josephine St	1268G3
	19318	547	211754	4	E17S	5675	Brunner St	1268G2
	19309	548	330357	4	E17S	5725	Linda Vista Rd	1268G3
		549	330350	4	E17S	5725	Linda Vista Rd	1268G3
	19297	550	-	4	E17S	5725	Alley	1268G3
		551	212206	4	E17S	1336	Brunner St	1268G3
	19298	552	212406	4	E17S	1304	Mildred St	1268G3
		553	212422	4	E17S	5734	Mildred St	1268G3
	19296	554	212291	4	E17S	1303	Brunner St	1268G3
		555	212209	4	E17S	1037	Brunner St	1268G3
556		330301	4	E17S	1333	Brunner St	1268G3	
557		212071	4	E17S	1551	Brunner St	1268G3	

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Sewer Laterals
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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
17	19379	558	331085	4	E17S	1209	Azusa St	1268F3
		559	213328	4	E17S	5503	Azusa St	1268F3
		560	213428	4	E17S	1209	Azusa St	1268F3
		561	213422	4	E17S	1209	Azusa St	1268F3
		562	213408	4	E17S	1209	Azusa St	1268F3
	19378	563	213388	4	E17S	5520	Riley St	1268F3
		564	330985	4	E17S	5525	Lauretta St	1268F3
		565	213345	4	E17S	5530	Riley St	1268F3
		566	213339	4	E17S	5538	Riley St	1268F3
		567	330969	4	E17S	5537	Riley St	1268F3
		568	213322	4	E17S	5542	Riley St	1268F3
		569	330956	4	E17S	5539	Riley St	1268F3
		570	213312	4	E17S	5548	Riley St	1268F3
		571	330945	4	E17S	5559	Riley St	1268F3
		572	213303	4	E17S	5556	Riley St	1268F3
		573	213283	4	E17S	5562	Riley St	1268F3
		574	330932	4	E17S	1236	Bencia St	1268F3
	19380	575	213594	4	E17S	5615	Bencia St	1268G3
		576	213550	4	E17S	5605	Bencia St	1268G3
		577	213470	4	E17S	5615	Bencia St	1268G3
	19377	578	331039	4	E17S	1213	Riley St	1268G3
		579	331033	4	E17S	5614	Riley St	1268G3
		580	213318	4	E17S	5616	Riley St	1268G3
		581	331020	4	E17S	5626	Riley St	1268G3
		582	331083	4	E17S	5625	Riley St	1268G3
		583	213401	4	E17S	5637	Riley St	1268G3
		584	213287	4	E17S	5630	Riley St	1268G3
		585	331000	4	E17S	5646	Riley St	1268G3
	19376	586	213346	4	E17S	5653	Riley St	1268G3
		587	330973	4	E17S	5650	Riley St	1268G3
		588	331037	4	E17S	5653	Riley St	1268G3
		589	330953	4	E17S	5672	Riley St	1268G3
590		213335	4	E17S	5653	Riley St	1268G3	
19373	591	213200	4	E17S	1236	Riley St	1268G3	
	592	330832	4	E17S	5532	Lauretta St	1268F3	
	593	213025	4	E17S	5540	Lauretta St	1268F3	
	594	330818	4	E17S	5546	Lauretta St	1268F3	
	595	213012	4	E17S	5562	Lauretta St	1268F3	
19374	596	330801	4	E17S	5572	Lauretta St	1268F3	
	597	212980	4	E17S	1266	Lauretta St	1268G3	
	598	212949	4	E17S	5604	Lauretta St	1268G3	
	599	330826	4	E17S	5603	Lauretta St	1268G3	
	600	330814	4	E17S	1233	Lauretta St	1268G3	
	601	212919	4	E17S	5614	Lauretta St	1268G3	
	602	330760	4	E17S	5617	Lauretta St	1268G3	
	603	330750	4	E17S	5636	Lauretta St	1268G3	
	604	212987	4	E17S	5627	Lauretta St	1268G3	
	605	330740	4	E17S	5646	Lauretta St	1268G3	
	606	212977	4	E17S	5635	Lauretta St	1268G3	
19300	607	330733	4	E17S	5648	Lauretta St	1268G3	
	608	212955	4	E17S	5649	Lauretta St	1268G3	
	609	212857	4	E17S	5660	Lauretta St	1268G3	
	610	212881	4	E17S	5651	Lauretta St	1268G3	
	611	330719	4	E17S	5680	Lauretta St	1268G3	
	612	330716	4	E17S	5680	Lauretta St	1268G3	
	613	212824	4	E17S	1251	Lauretta St	1268G3	
	614	330702	4	E17S	5712	Lauretta St	1268G3	
	615	212807	4	E17S	5720	Lauretta St	1268G3	
	616	-	4	E17S	1246	Lauretta St	1268G3	
	617	212798	4	E17S	5735	Lauretta St	1268G3	

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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
18	5057293	618	5343867	6	E17S	5660	Friars Rd	1268G3
	19384	619	213985	4	E17S	1055	Benicia Rd	1268G3
		620	331398	4	E17S	1055	Benicia Rd	1268G3
	19386	621	213745	4	E17S	5612	Gaines St	1268G3
		622	213867	4	E17S	5615	Gaines St	1268G3
		623	213856	4	E17S	5625	Gaines St	1268G3
		624	213733	4	E17S	5624	Gaines St	1268G3
		625	331256	4	E17S	5630	Gaines St	1268G3
		626	331314	4	E17S	5639	Gaines St	1268G3
		627	213815	4	E17S	5651	Gaines St	1268G3
		628	331246	4	E17S	5650	Gaines St	1268G3
		629	331297	4	E17S	5663	Gaines St	1268G3
		630	331236	4	E17S	5664	Gaines St	1268G3
	19388	631	213994	4	E17S	5750	Colusa St	1268G3
		632	-	4	E17S	5675	Gaines St	1268G3
		633	213677	4	E17S	1101	Colusa St	1268G3
		634	331235	4	E17S	1101	Colusa St	1268G3
	19387	635	331171	4	E17S	1111	Colusa St	1268G3
		636	213512	4	E17S	1121	Colusa St	1268G3
		637	331141	4	E17S	5674	Colusa St	1268G3
		638	331129	4	E17S	5674	Colusa St	1268G3
639		213438	4	E17S	1129	Colusa St	1268G3	
640		331090	4	E17S	1070	Colusa St	1268G3	
641		213379	4	E17S	1135	Colusa St	1268G3	

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Sewer Laterals
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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
19	19349	642	213995	4	E17S	1063	Donahue St	1268G3
		643	331324	4	E17S	0	Donahue St	1268G3
	19320	644	-	4	E17S	5726	Donahue St	1268G3
		645	-	4	E17S	5757	Donahue St	1268G3
		646	-	4	E17S	5726	Donahue St	1268G3
		647	331135	6	E17S	1124	Donahue St	1268G3
		648	331334	4	E17S	5790	Friars Rd	1268G3
	19347	649	-	4	E17S	5790	Friars Rd	1268G3
		650	331379	4	E17S	5780	Friars Rd	1268G3
		651	213644	4	E17S	0	Eureka St	1268G3
	19348	652	331208	4	E17S	1094	Fresno St	1268G3
		653	213601	4	E17S	1092	Eureka St	1268G3
		654	331125	4	E17S	1124	Eureka St	1268G3
		655	331096	4	E17S	1111	Eureka St	1268G3
	19321	656	213397	4	E17S	1111	Eureka St	1268G3
		657	213289	4	E17S	1121	Eureka St	1268G3
		658	213247	4	E17S	1127	Eureka St	1268G3
		659	213148	4	E17S	1137	Eureka St	1268G3
		660	330922	4	E17S	0	Eureka St	1268G3
		661	330898	4	E17S	1147	Eureka St	1268G3
		662	213106	4	E17S	1144	Eureka St	1268G3
	19342	663	331336	6	E17S	1065	Fresno St	1268G3
		664	-	4	E17S	1065	Fresno St	1268G3
		665	-	4	E17S	1065	Fresno St	1268G3
		666	331328	4	E17S	1058	Fresno St	1268G3
	19330	667	213781	4	E17S	1065	Fresno St	1268G3
		668	213772	4	E17S	5780	Fresno St	1268G3
		669	331228	4	E17S	1081	Fresno St	1268G3
		670	213665	4	E17S	1078	Fresno St	1268G3
		671	213500	4	E17S	1095	Fresno St	1268G3
		672	331144	4	E17S	1092	Fresno St	1268G3
	19329	673	213389	4	E17S	1103	Fresno St	1268G3
		674	331079	4	E17S	5820	Gaines St	1268G3
675		331021	4	E17S	1111	Fresno St	1268G3	
676		213341	4	E17S	1118	Fresno St	1268G3	
677		213229	4	E17S	1121	Fresno St	1268G3	
678		330961	4	E17S	1121	Fresno St	1268G3	
679		330923	4	E17S	1129	Fresno St	1268G3	
680		213156	4	E17S	1124	Fresno St	1268G3	
19238	681	330864	4	E17S	1135	Fresno St	1268G3	
	682	330870	4	E17S	1134	Fresno St	1268G3	
	683	213008	4	E17S	1145	Fresno St	1268G3	

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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
20	19289	684	330643	4	E17S	5752	Lauretta St	1268G3
		685	330699	4	E17S	5765	Lauretta St	1268G3
		686	212711	4	E17S	5760	Lauretta St	1268G3
		687	212694	4	E17S	1250	Lauretta St	1268G3
	19286	688	330594	4	E17S	5804	Lauretta St	1268G3
		689	212644	4	E17S	5810	Lauretta St	1268G3
		690	330576	4	E17S	5818	Lauretta St	1268G3
		691	212606	4	E17S	5826	Lauretta St	1268G3
	19283	692	330545	4	E17S	5834	Lauretta St	1268G3
		693	330531	4	E17S	5842	Lauretta St	1268G3
		694	330516	4	E17S	5850	Lauretta St	1268G3
		695	212514	4	E17S	5858	Lauretta St	1268G3
	19282	696	212487	4	E17S	5906	Lauretta St	1268G3
		697	330486	4	E17S	5920	Lauretta St	1268G3
		698	212458	4	E17S	5926	Lauretta St	1268G3
		699	212448	4	E17S	5936	Lauretta St	1268G3
	19281	700	212427	4	E17S	5946	Lauretta St	1268G3
		701	330508	4	E17S	5955	Lauretta St	1268G3
		702	212412	4	E17S	5946	Lauretta St	1268G3
		703	212398	4	E17S	5958	Lauretta St	1268G3
	19292	704	330491	4	E17S	1230	Lauretta St	1268G3
		705	212387	4	E17S	5968	Lauretta St	1268G3
		706	212408	4	E17S	5842	Mildred St	1268G3
		707	330455	4	E17S	5847	Mildred St	1268G3
	19272	708	330449	4	E17S	1280	Mildred St	1268G3
		709	330422	4	E17S	1280	Goshen St	1268G3
		710	212360	4	E17S	5887	Goshen St	1268G3
		711	212249	4	E17S	1279	Goshen St	1268G3
19273	712	212317	4	E17S	1279	Goshen St	1268G3	
	713	212294	4	E17S	5919	Mildred St	1268G3	
	714	212269	4	E17S	0	Mildred St	1268G3	
	715	212256	4	E17S	5935	Mildred St	1268G3	
19274	716	212221	4	E17S	5945	Mildred St	1268G3	
	717	212201	4	E17S	5961	Mildred St	1268G3	
	718	-	4	E17S	0	Mildred St	1268G3	
	719	1162333	4	E17S	5800	Mildred St	1268G3	
19271	720	211998	4	E17S	0	Mildred St	1268G3	
	721	212095	4	E17S	5848	Mildred St	1268G3	
	722	211978	4	E17S	0	Mildred St	1268G3	
	723	330186	4	E17S	1330	Goshen St	1268G3	
	724	330260	4	E17S	5860	Mildred St	1268G3	
	725	211959	4	E17S	1301	Goshen St	1268G3	
19269	726	211856	4	E17S	5843	Linda Vista Rd	1268G3	
	727	211852	4	E17S	5849	Linda Vista Rd	1268G3	
19270	728	211832	4	E17S	5855	Linda Vista Rd	1268G3	

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MAP #	FSN of SWR Main	LATERAL #	LATERAL FSN	LATERAL SIZE (inch)	FIELD BOOK PAGE	STREET #	STREET NAME	THOMAS BRO.
21	19323	729	330920	4	E17S	1205	Colusa St	1268G3
		730	213171	6	E17S	1145	Colusa St	1268G3
	19322	731	330852	4	E17S	5752	Riley St	1268G3
		732	330837	4	E17S	5760	Riley St	1268G3
		733	330822	4	E17S	5766	Riley St	1268G3
	19326	734	330811	4	E17S	1204	Riley St	1268G3
		735	213007	4	E17S	1204	Riley St	1268G3
		736	330783	4	E17S	5810	Riley St	1268G3
		737	212947	4	E17S	5828	Riley St	1268G3
	19327	738	330815	4	E17S	1144	Fresno St	1268G3
		739	212900	4	E17S	5844	Riley St	1268G3
		740	212888	4	E17S	5858	Riley St	1268G3
		741	212880	4	E17S	5872	Riley St	1268G3
	19458	742	212878	4	E17S	1215	Goshen St	1268G3
		743	330781	4	E17S	1245	Colusa St	1268G3
		744	330777	4	E17S	5709	Lauretta St	1268G3
		745	330767	4	E17S	5709	Lauretta St	1268G3
		746	330763	4	E17S	5715	Lauretta St	1268G3
		747	330761	4	E17S	5715	Lauretta St	1268G3
		748	330754	4	E17S	5727	Lauretta St	1268G3
		749	212996	4	E17S	5722	Lauretta St	1268G3
	19285	750	212884	4	E17S	5757	Lauretta St	1268G3
		751	212852	4	E17S	5765	Lauretta St	1268G3
		752	212827	4	E17S	1229	Eureka St	1268G3
		753	212803	4	E17S	5821	Lauretta St	1268G3
	19284	754	212796	4	E17S	5821	Lauretta St	1268G3
		755	330704	4	E17S	5844	Riley St	1268G3
		756	212778	4	E17S	5845	Lauretta St	1268G3
		757	330661	4	E17S	5845	Lauretta St	1268G3
		758	212751	4	E17S	5863	Lauretta St	1268G3
759		330641	4	E17S	5863	Lauretta St	1268G3	
19279	760	212683	4	E17S	5903	Lauretta St	1268G3	
	761	212662	4	E17S	5915	Lauretta St	1268G3	
	762	330651	4	E17S	5920	Lauretta St	1268G3	
	763	330572	4	E17S	5927	Lauretta St	1268G3	
	764	212625	4	E17S	5933	Lauretta St	1268G3	
19280	765	212585	4	E17S	5955	Lauretta St	1268G3	
	766	330602	4	E17S	5952	Lauretta St	1268G3	
19278	767	330588	4	E17S	5960	Hueneme St	1268G3	
19276	768	330496	4	E17S	1225	Hueneme St	1268G3	
	769	330476	4	E17S	1233	Hueneme St	1268G3	
		770	212395	4	E17S	1235	Hueneme St	1268G3

APPENDIX I

PIPELINE REHABILITATION AU-1 MANHOLE SHEETS

MAP SHT NO.	THOMAS BROTHERS	STREET NAME	MH ID	MANHOLE IE	MANHOLE DEPTH	MANHOLE METHOD	COUNCIL DISTRICT	COMMUNITY	GATE PAGE	FSN
INSTALL CLEANOUT										
1	1268E2	West Morena Blvd	CO19	11.87	5	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	D16S	-
2	1268E2	ASHER ST	CO1	48.67	12.62	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	D16S	-
3	1268E2	PROPERTY	CO30	16.15	4.52	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	D16S	-
3	1268E2	KNOXVILLE ST	CO2	20.34	6	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	D16S	-
5	1268E1	GARDENA PL	CO3	94.74	6	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E16S	-
5	1268E1	GARDENA PL	CO4	96.12	5	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E16S	-
6	1268F1	SPARKS AVE	CO5	46.64	6.2	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E16S	-
6	1268F1	SPARKS AVE	CO6	52.42	6	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E16S	-
7	1268F1	BONUS DR	CO7	119.16	6.5	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E16S	-
8	1268G2	GASCONADE AVE	CO8	63.45	2	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E16S	-
10	1268F3	SAVANNAH PL	CO9	20.37	5	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
13	1268F3	SAVANNAH PL	CO10	164.34	8	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
15	1268F2	DORCAS ST	CO11	42.79	3.37	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
15	1268F3	LINDA VISTA RD	CO12	40.36	6.2	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
15	1268F3	ALLEY	CO13	31.92	5.88	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
15	1268F3	MOLLEY ST	CO14	33.27	7	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
16	1268F3	LAURETTA ST	CO15	153.92	7	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
16	1268G3	BRUNNER ST	CO16	129	2.5	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
16	1268G3	ALLEY	CO17	121.09	1.71	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
17	1268G3	MILDRED ST	CO18	52.4	7.34	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
18	1268G3	BENICIA ST	CO20	51.11	7	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
19	1268G3	COLUSA ST	CO21	91.51	12.94	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
20	1268G3	FRESNO ST	CO22	170.61	8	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
20	1268G3	GOSHEN ST	CO23	161.42	7.7	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
21	1268G3	GOSHEN ST	CO24	57.19	7	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
21	1268G3	RYLE ST	CO25	104.32	10.64	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
21	1268G3	ALLEY	CO26	65.76	10	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
21	1268G3	HUENEME ST	CO27	174.11	5.44	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E17S	-
2	1268E2	Frankfort st	CO28	64.12	5	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	D16S	-
4	1268E1	MAGDALENA WAY	CO29	102.31	5	ADD CLEANOUT	2	Linda Vista/Clairemont Mesa	E16S	-
REHABILITATE MANHOLE WITH POINT REPAIR										
1	1268E2	ALLEY	95	6.59	4.47	REHAB	2	Linda Vista/Clairemont Mesa	D16S	82713
2	1268E2	TONOPAH AVE	101	7.92	7	REHAB	2	Linda Vista/Clairemont Mesa	D16S	82719
3	1268E2	KNOXVILLE ST	350	19.82	6	REHAB	2	Linda Vista/Clairemont Mesa	E16S	86726
3	1268E2	KNOXVILLE ST	349	18.82	5	REHAB	2	Linda Vista/Clairemont Mesa	E16S	86725
14	1268F2	ELEVATION RD	8	156.65	7	REHAB	2	Linda Vista/Clairemont Mesa	E16S	86743
14	1268F2	ELEVATION RD	10	161.52	8.9	REHAB	2	Linda Vista/Clairemont Mesa	E16S	86745
14	1268F2	MONITOR RD	12	168.89	9	REHAB	2	Linda Vista/Clairemont Mesa	E16S	86747
14	1268F2	MONITOR RD	13	175.85	9	REHAB	2	Linda Vista/Clairemont Mesa	E16S	86748
REPLACE MANHOLE										
1	1268E2	MORENA BLVD	85	5.28	7	REPLACE MH	2	LINDA VISTA/CLAIREMONT MESA	D16S	82704
15	1268F3	NAPA ST	262	4.9	14	REPLACE MH	2	LINDA VISTA/CLAIREMONT MESA	E17S	86979
REHABILITATION MANHOLE										
1	1268E2	FRANKFORT ST	92	6.06	5	REHAB	2	Linda Vista/Clairemont Mesa	D16S	82710
17	1268G3	LAURETTA ST	136	72.87	3.96	REHAB	2	Linda Vista/Clairemont Mesa	E17S	86861
18	1268G3	BENICIA ST	207	26.52	15	REHAB	2	Linda Vista/Clairemont Mesa	E17S	86925
18	1268G3	COLUSA ST	191	10.08	10	REHAB	2	Linda Vista/Clairemont Mesa	E17S	86912
20	1268G3	LAURETTA ST	135	62.4	7.5	REHAB	2	Linda Vista/Clairemont Mesa	E17S	86860

MAP SHT NO.	THOMAS BROTHERS	STREET NAME	MH ID	MANHOLE IE	MANHOLE DEPTH	MANHOLE METHOD	COUNCIL DISTRICT	COMMUNITY	GATE PAGE	FSN
NEW MANHOLE										
1	1268E2	West Morena Blvd	MH2	7.83	3	NEW MH	2	Linda Vista/Clairemont Mesa	D16S	-
5	1268E1	VIANE WAY	MH3	76.12	7	NEW MH	2	Linda Vista/Clairemont Mesa	E16S	-
5	1268E1	SPARKS AVE	MH4	123.12	8	NEW MH	2	Linda Vista/Clairemont Mesa	E16S	-
7	1268F1	SKY ST	MH5	106.43	6	NEW MH	2	Linda Vista/Clairemont Mesa	E16S	-
7	1268F1	SKY ST	MH6	108.51	0.4	NEW MH	2	Linda Vista/Clairemont Mesa	E16S	-
16	1268G3	BRUNNET ST	MH7	108.08	9.5	NEW MH	2	Linda Vista/Clairemont Mesa	E17S	-
DROPPED MANHOLE										
1	1268E2	West Morena Blvd	74	4.1	7	REHAB	2	Linda Vista/Clairemont Mesa	D16S	82698
11	1268F3	DORCAS ST	101	66	2.97	REHAB	2	Linda Vista/Clairemont Mesa	E17S	86829
18	1268G3	BENICIA ST	208	34.12	10.88	REHAB	2	Linda Vista/Clairemont Mesa	E17S	86927
21	1268G3	ALLEY	183	50.97	17	REHAB	2	Linda Vista/Clairemont Mesa	E17S	86905

REPLACE SEWER MANHOLE=	2
REHABILITATION SEWER MANHOLE =	5
REHABILITATE MANHOLE W/ POINT REPAIR =	8
INSTALL CLEANOUT =	30
Dropped Manhole=	4
New Manhole=	6

APPENDIX J
SITE MAPS

TABLE OF CONTENTS	
PAGE NO.	DESCRIPTION
I	CONTRACTOR'S NOTE
II	KEY MAP
III	VICINITY MAP
1-21	GIS SITE MAPS
IV	CONSTRUCTION DETAILS
V	SURVEY MONUMENT PERPETUATION

Note to Contractor:

City will provide all monument locations to Contractor prior to NTP.

Contractor shall not commence with ground disturbance work prior to receiving monument information.

CONTRACTOR'S NOTES

1. 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.

2. CONSTRUCTION STORM WATER PROTECTION NOTES
 - a. TOTAL SITE DISTURBANCE AREA- .009 (ACRES)

 - b. HYDROLOGIC UNIT/WATERSHED- Penasquitos/San Diego

 - c. HYDROLOGIC SUBAREA NAME & NO.- Tecolote, 906.5/Mission San Diego,907.11

 - 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

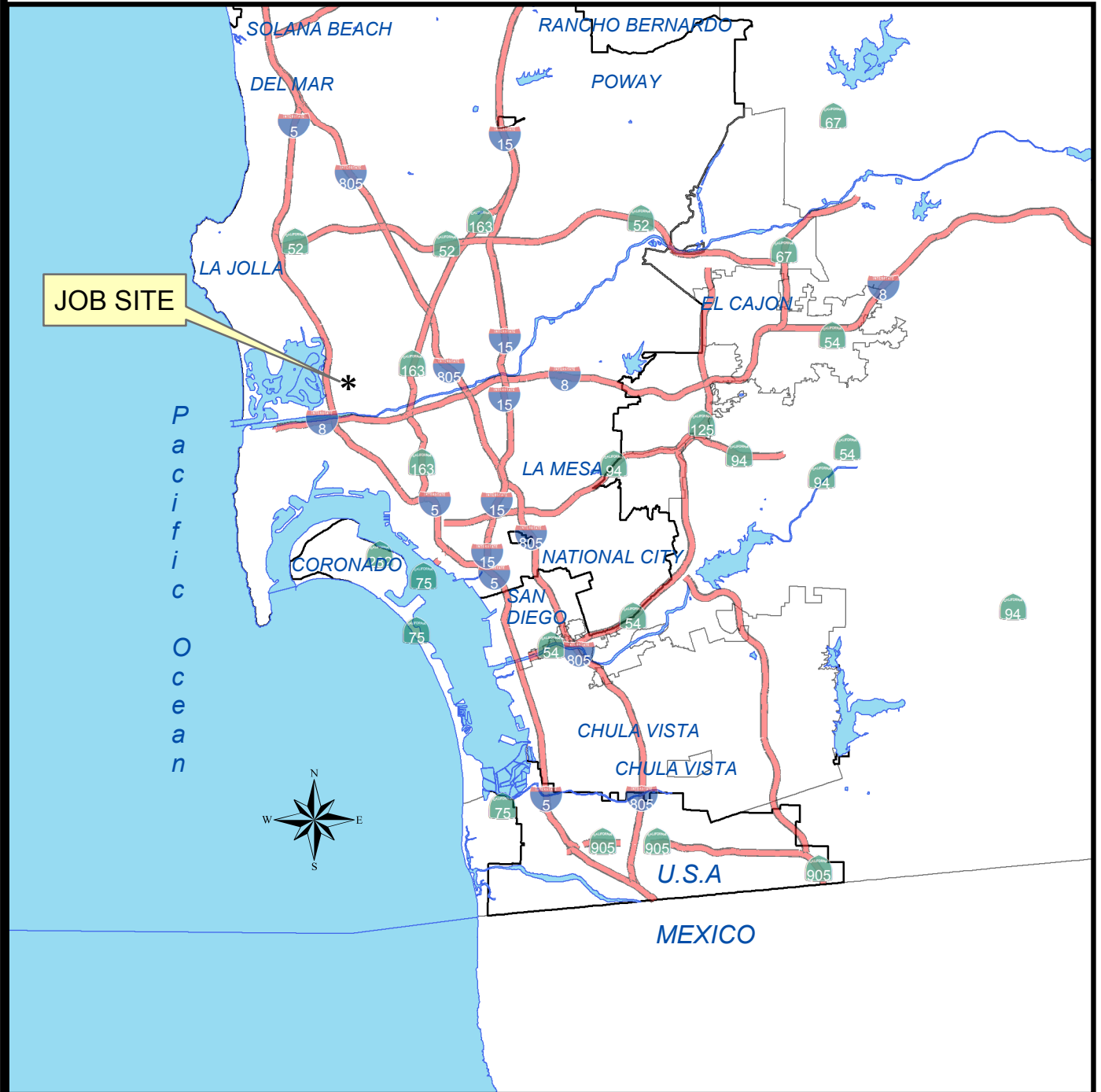
TRADITIONAL: RISK LEVEL 1 2 3

LUP: RISK TYPE 1 2 3

 - e. CONSTRUCTION SITE PRIORITY
 - ASBS HIGH MEDIUM LOW

3. 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.

PIPELINE REHABILITATION AU-1



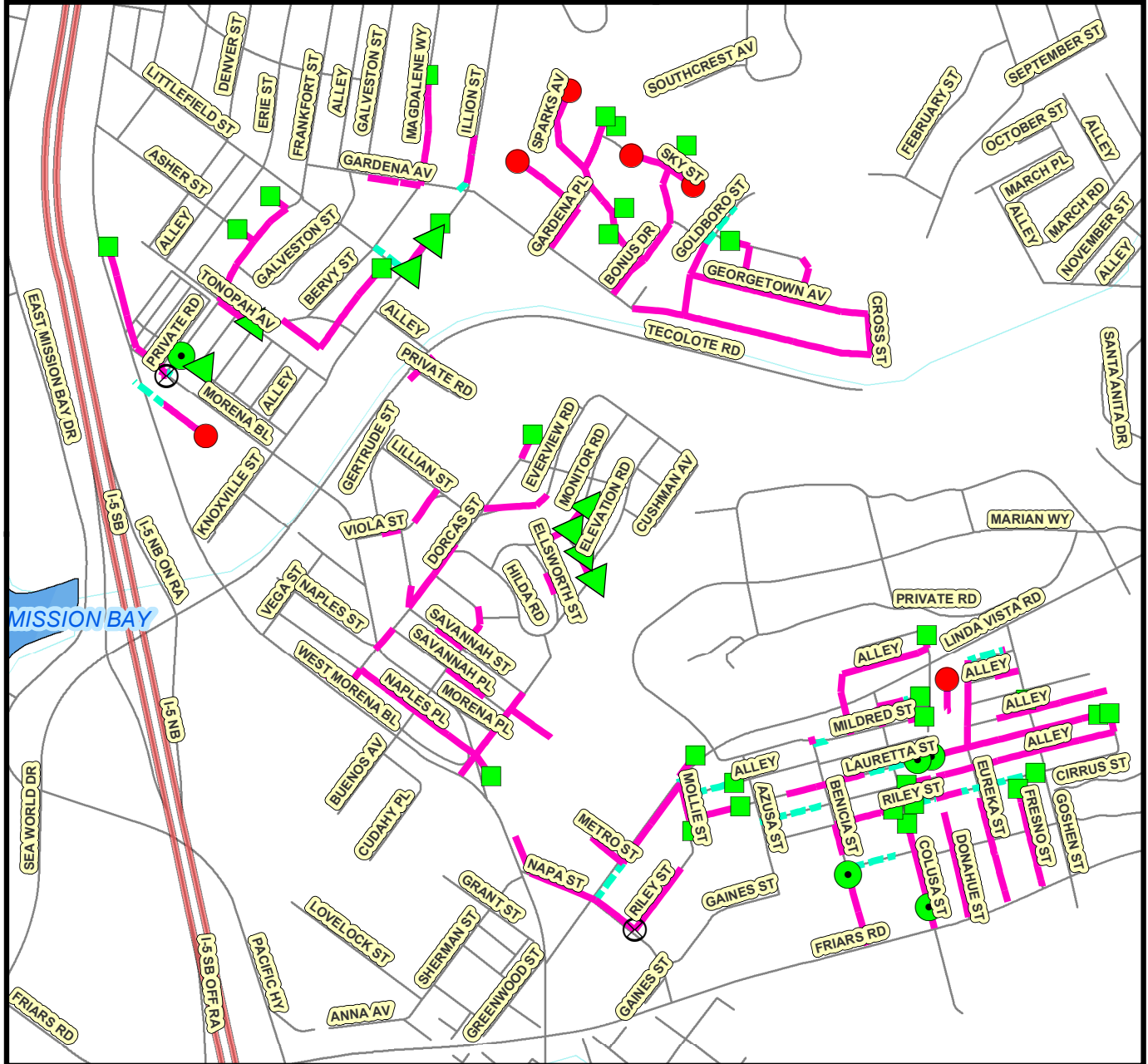
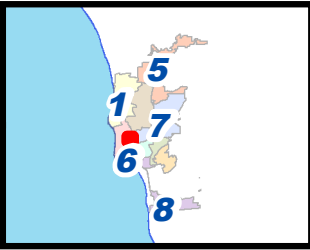
PIPELINE REHABILITATION AU-1

SENIOR ENGINEER
SHEILA BOSE
(619) 533-4698

PROJECT MANAGER
ELHAM LOTFI
(619) 533-5212

PROJECT ENGINEER
OMAR BELTRAN
619-533-4127

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



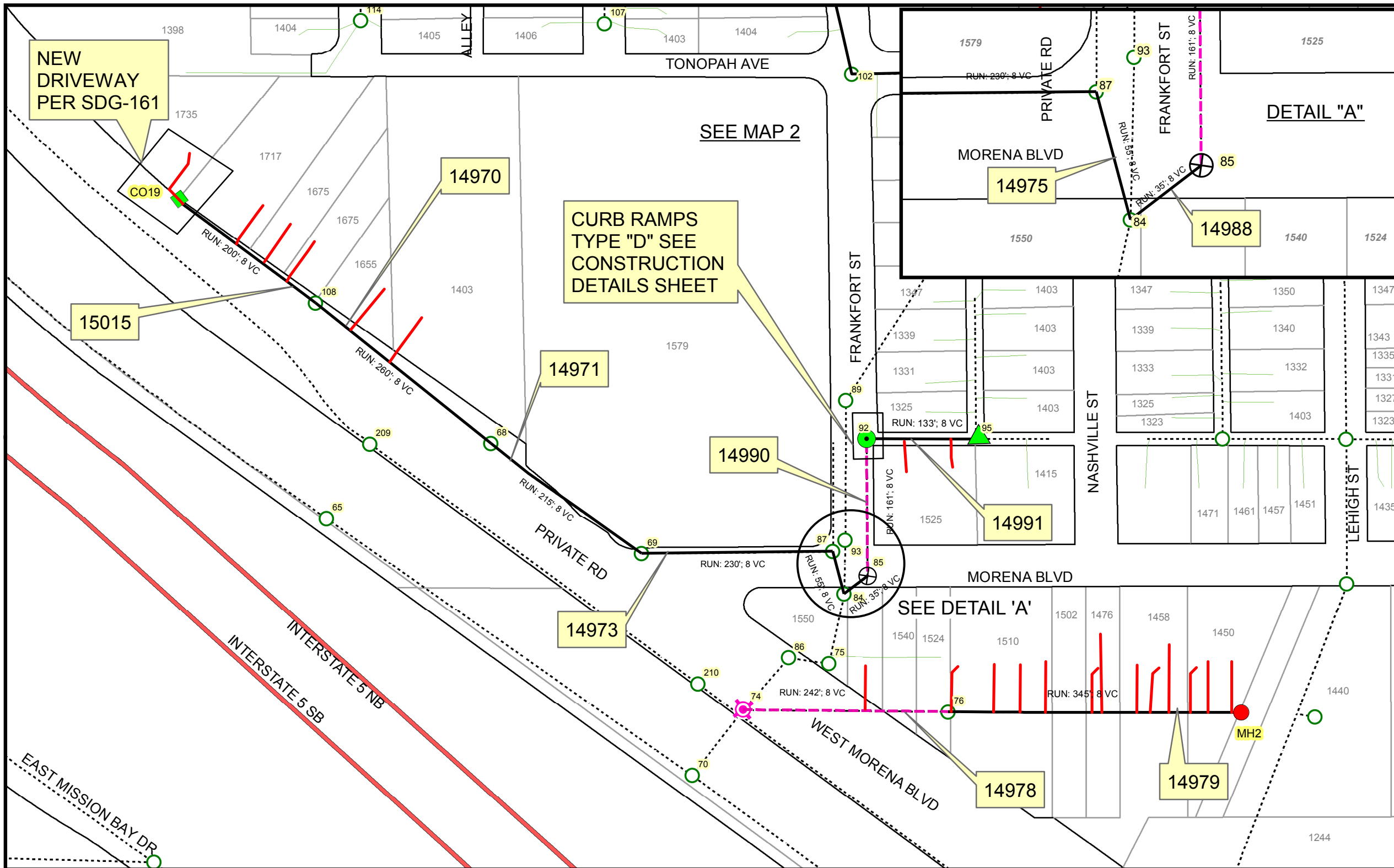
Legend

- PROPOSED SEWER REHAB
- - - PROPOSED SEWER REHAB W/POINT REPAIR
- INSTALL CLEANOUT
- REPLACE SEWER MANHOLE
- REHAB MANHOLE W/POINT REPAIR
- Rehabilitate Sewer Manhole
- Install Manhole

COMMUNITY NAME: Linda Vista/Clairemont Mesa COUNCIL DISTRICT: 2 SAP ID: B18037

Date: April 25, 2018

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MH ID:	MH IE:	MH DEPTH:	FSN:
C019	11.87	5	-
108	9.87	5	82726
68	7.79	5	82694
69	6.49	4	82695
87	5.57	5	82706
84	4.29	7	82703
85	5.28	7	82704
92	6.06	5	82710
95	6.59	5.5	82713
74	4.1	7	82698
76	6.65	4	82700
MH2	7.83	4.3	-

Legend

- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- REPLACE SEWER MANHOLE
- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- DROPPED MANHOLE
- Ex Manhole
- Ex Sewer Main
- Ex Laterals
- Text
- FSN (Facility Sequence Number)
- MANHOLE ID NUMBER

NOT TO SCALE

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101	7.92	7	82719
102	23.51	9	82720
103	38.69	9	82721
104	48.15	11.85	82722
CO1	48.67	12.37	-
322	55.38	6	86702
323	60.39	6	86703
CO28	64.12	6.40	-

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Legend

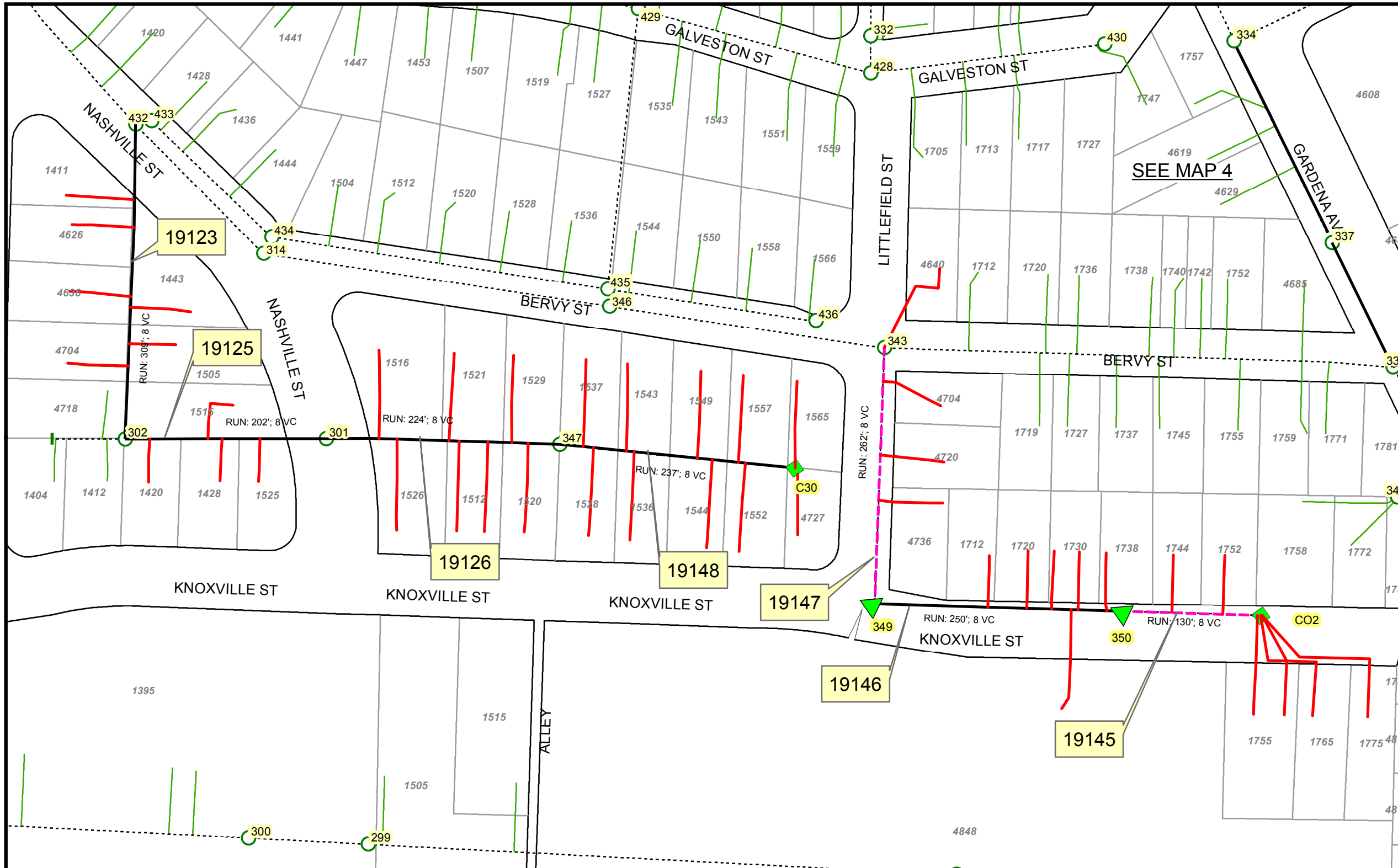
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- REPLACE SEWER MANHOLE

- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT

- Ex Manhole
- Ex Sewer Main
- Ex Laterals
- Plugs

- Text
- 123 FSN (Facility Sequence Number)
- MANHOLE ID NUMBER

NOT TO SCALE

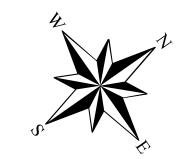


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CO2	20.34	6.35	-
350	19.82	6	86726
349	18.82	5	86725
343	16.84	5	86719
C30	16.15	6.8	-
347	15.2	5	86723
301	14.31	5	86683
302	13.5	5	86684
432	10.5	4.99	5524785

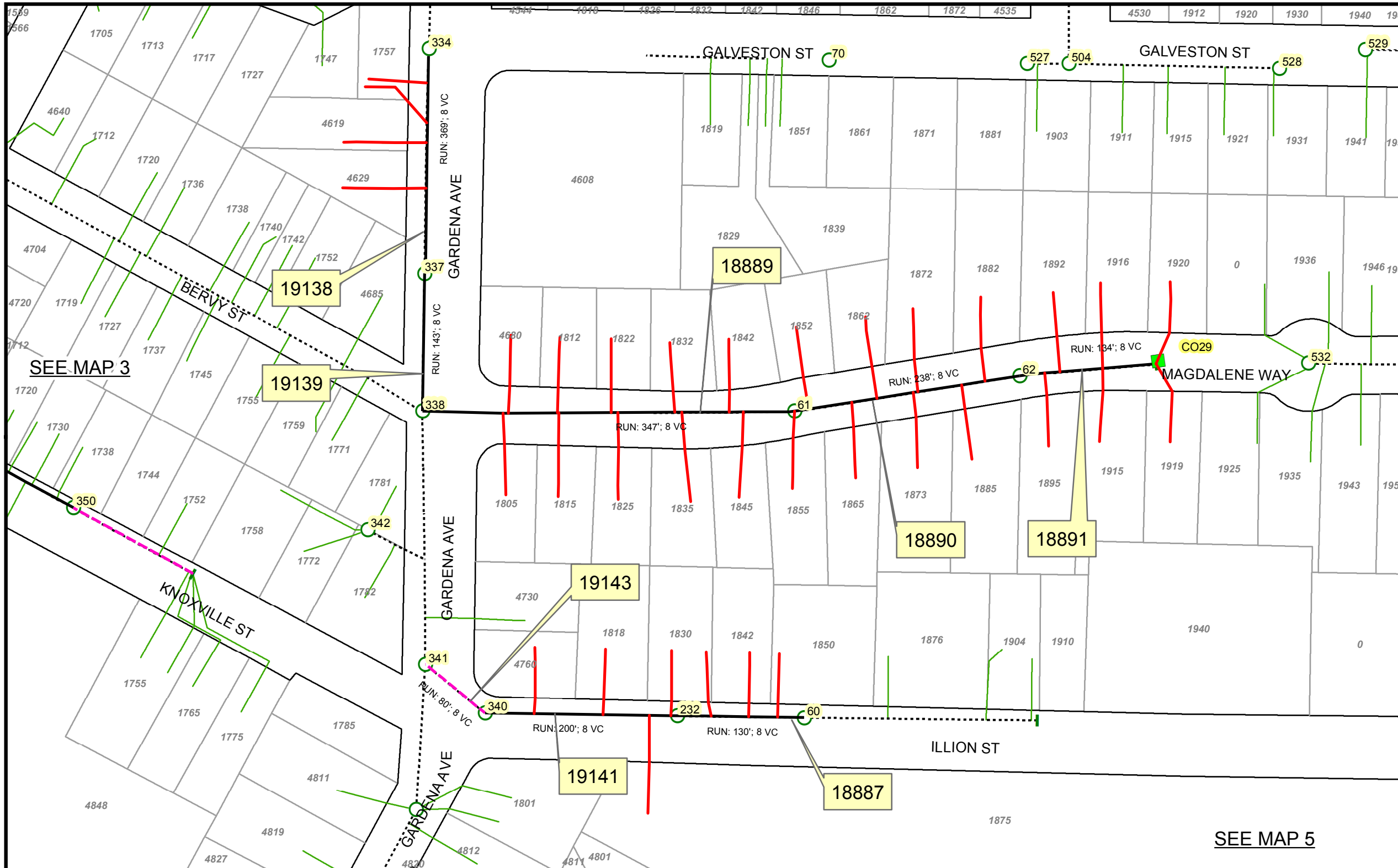
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Legend

- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- REPLACE SEWER MANHOLE
- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- Ex Manhole
- - - Ex Sewer Main
- Ex Laterals
- Plugs
- Text FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER



NOT TO SCALE

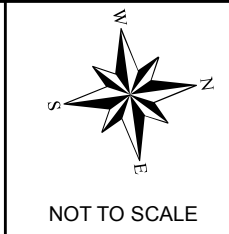


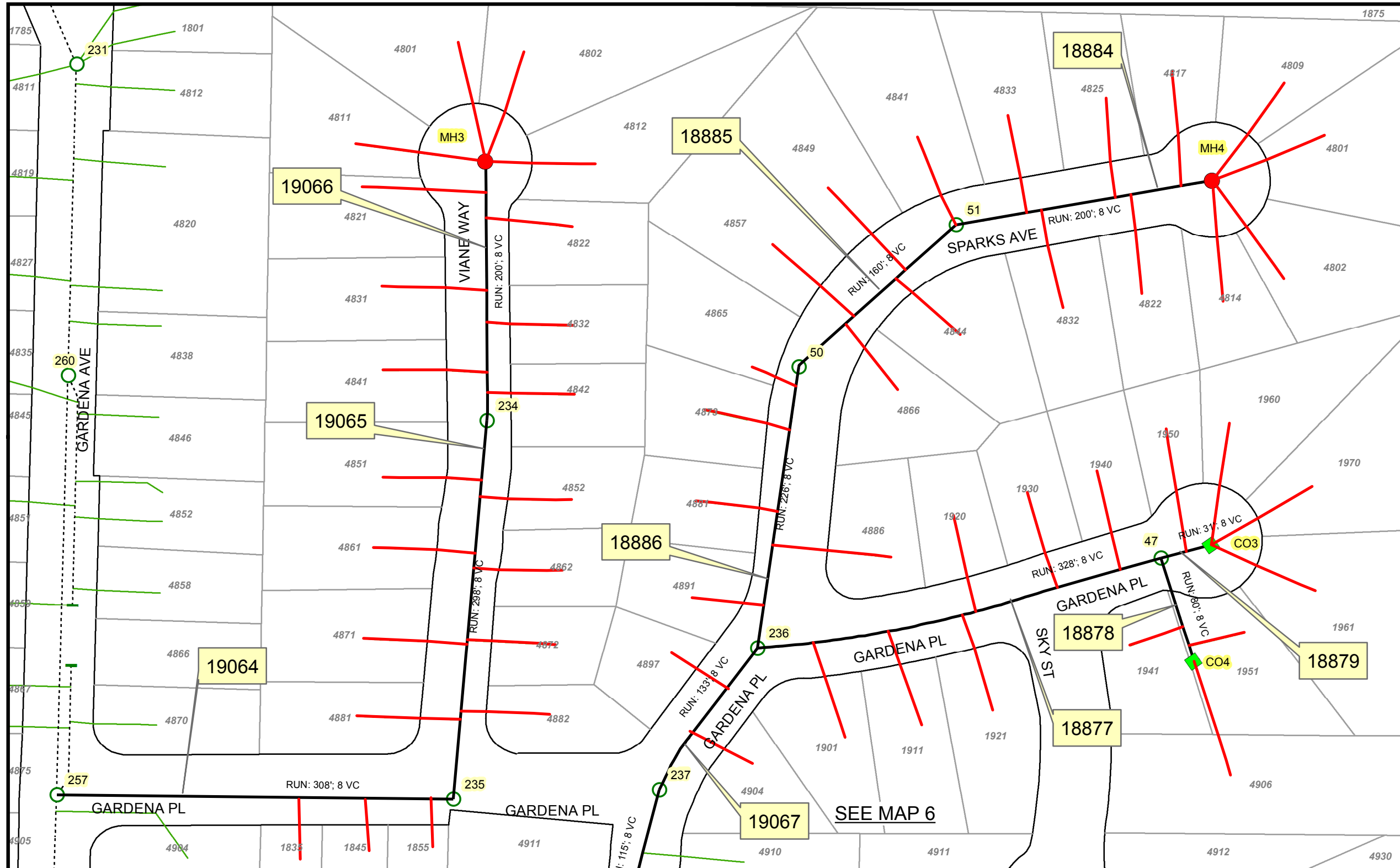
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340	25.12	6	86716
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60	103.47	3	86457
334	52.68	8	86713
337	30.62	16	86714
338	17.86	15	86715
61	57.12	8	86458
62	83.21	13	86459
CO29	102.31	7	-

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Legend

- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- ⊗ REPLACE SEWER MANHOLE
- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- Ex Manhole
- - - Ex Sewer Main
- Ex Laterals
- Plugs
- Text FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER



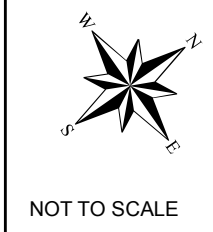


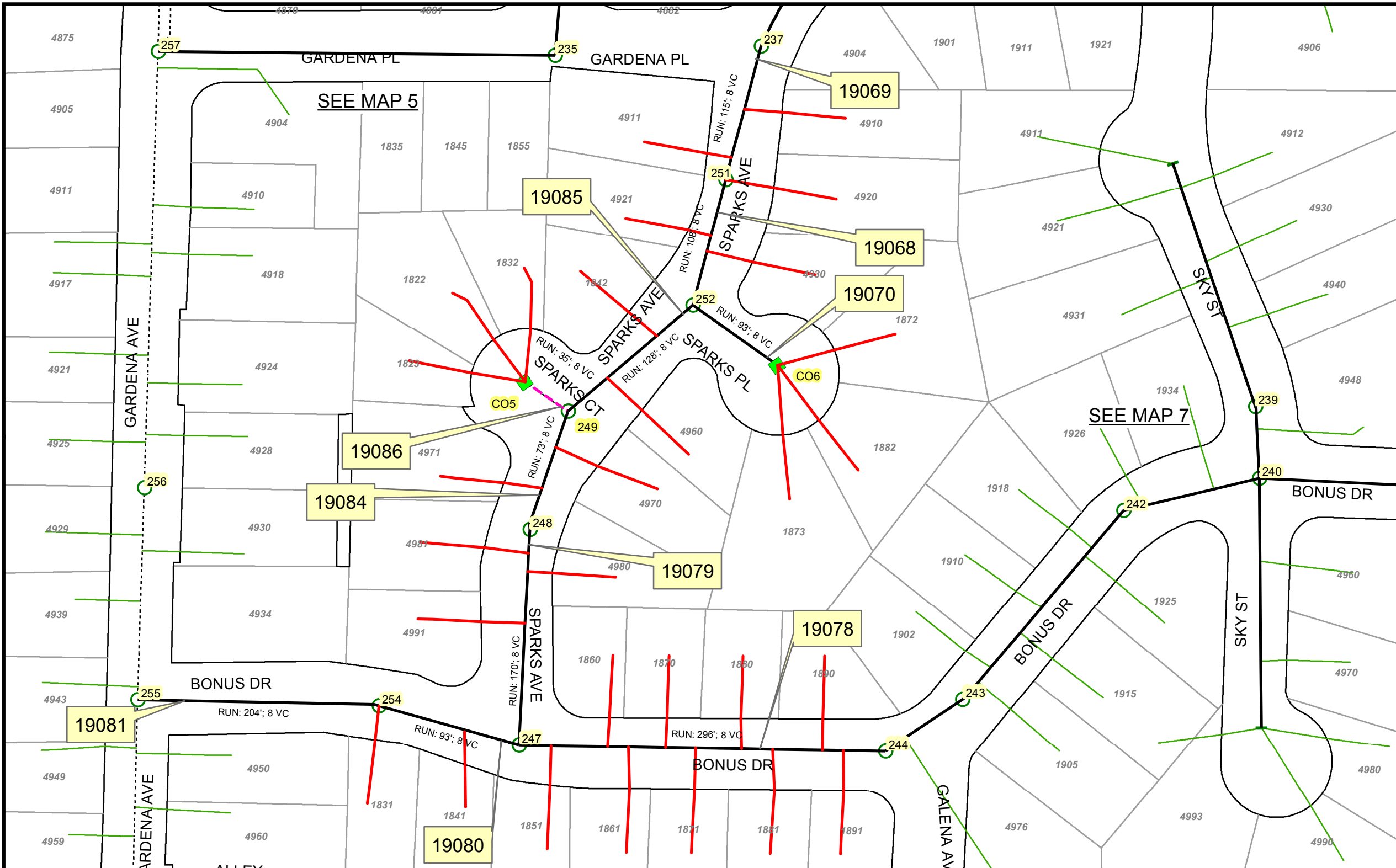
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257	24.08	7	86644
235	34.12	12	86622
234	62.12	7	86621
MH3	76.12	9	-
237	69.56	7	866624
236	90.29	6	866623
50	101.31	6	86449
51	109.12	6	86450
MH4	123.12	8	-
47	94.12	6	86447
CO3	94.74	6	-
CO4	96.12	5	-

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Legend

- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- PROPOSED LATERAL REHABILITATION
- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ⊗ REPLACE SEWER MANHOLE
- Ex Manhole
- - - Ex Sewer Main
- Ex Laterals
- Plugs
- Text FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER





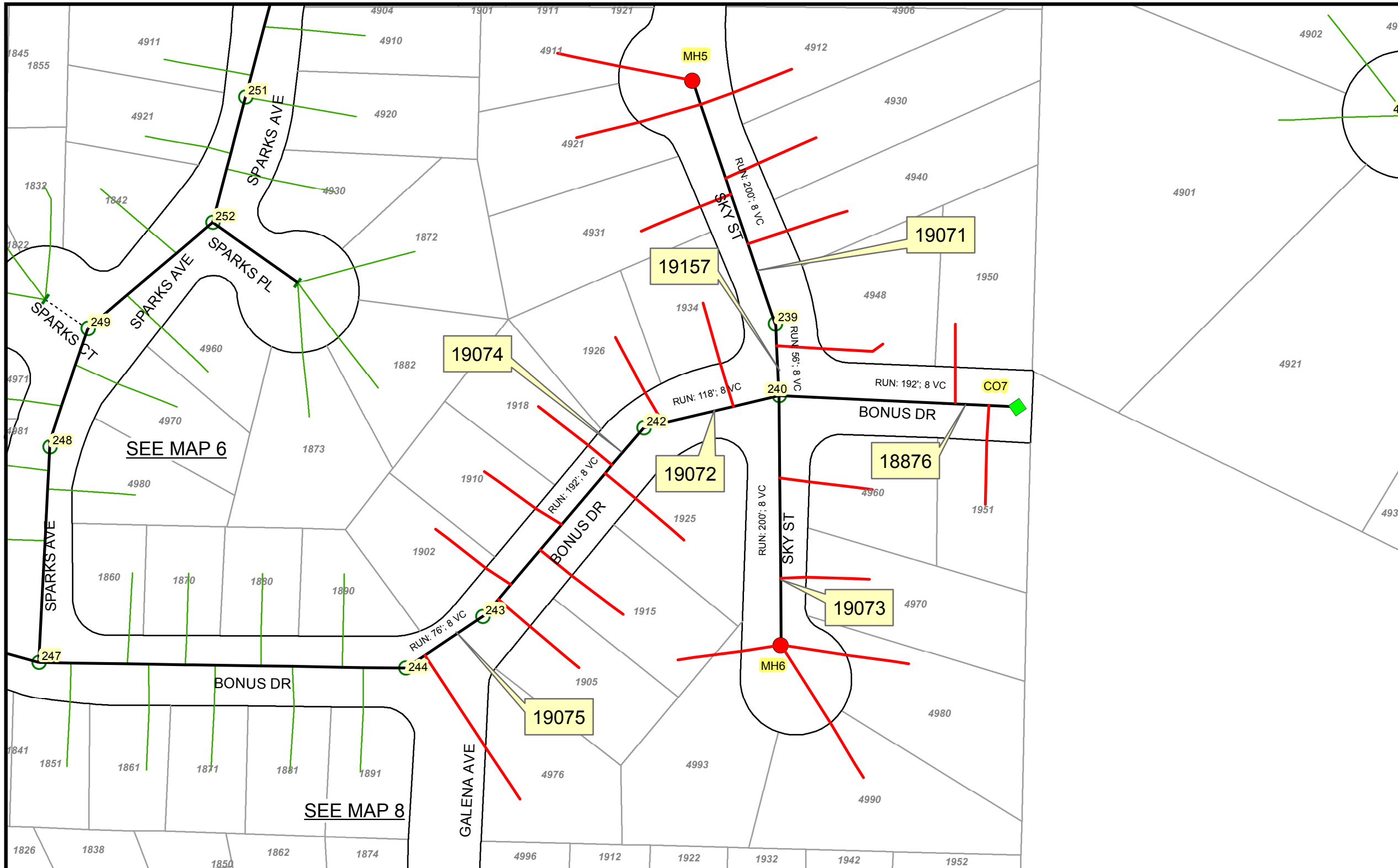
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254	34.38	6	86641
247	40.9	6.6	86634
248	44.29	6	86634
249	46.51	6	86635
CO5	46.64	6.2	-
252	51.30	6	86639
CO6	52.42	6	-
251	52.81	8	86638
237	54.95	5	86624
244	63.71	7	86631

Legend

- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- ⊗ REPLACE SEWER MANHOLE
- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- Ex Manhole
- - - Ex Sewer Main
- Ex Laterals
- Plugs
- Text FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER

NOT TO SCALE

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MH ID:	MH IE:	MH DEPTH:	FSN:
244	63.71	7	86631
243	69.56	7	86630
242	90.29	6	86629
240	101.31	6	86627
239	102.43	6	86626
MH5	106.43	6	-
MH6	108.51	.4	-
CO7	119.16	6.5	-

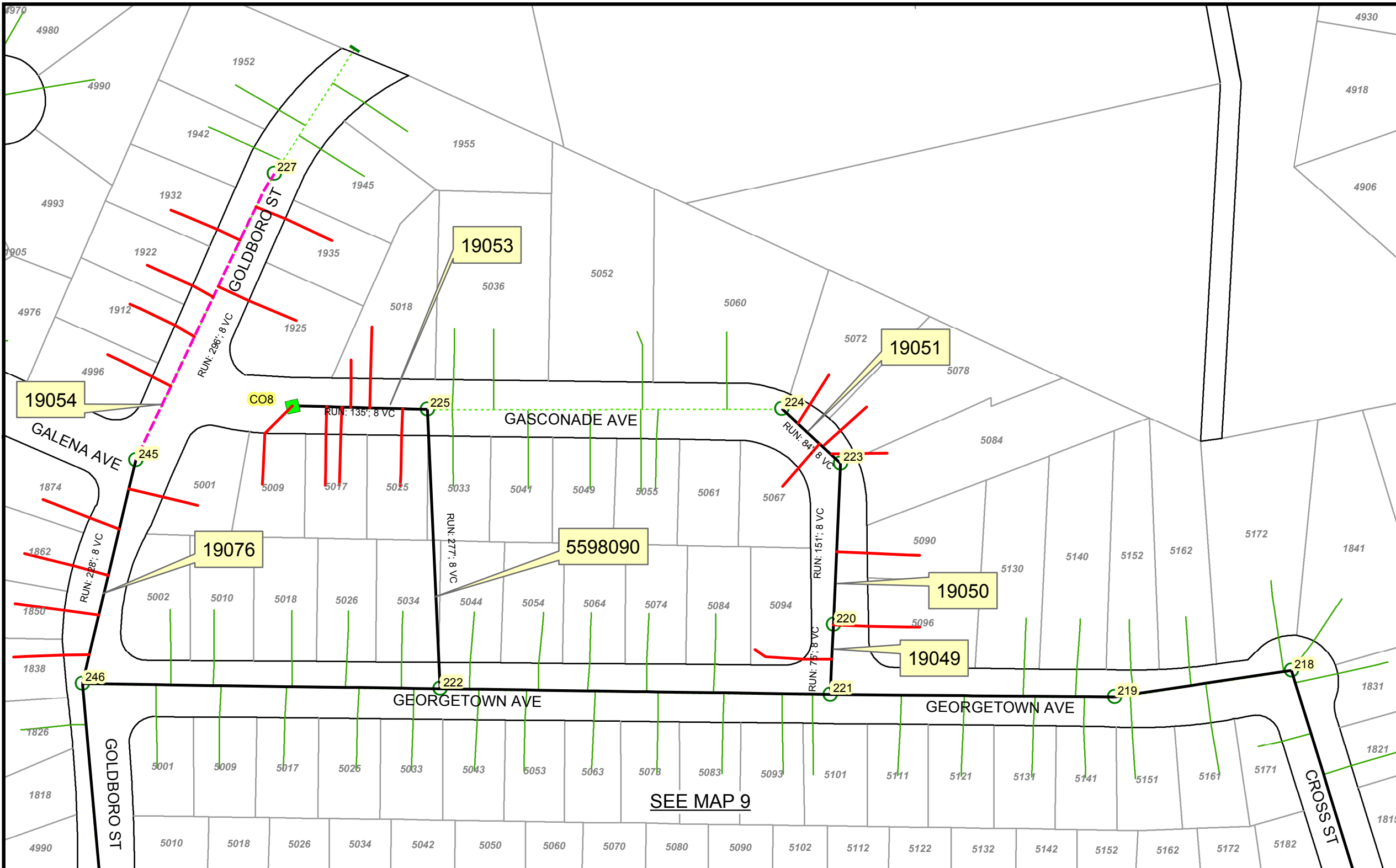
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Legend

- PROPOSED SEWER REHABILITATION
- PROPOSED LATERAL REHABILITATION
- REPLACE SEWER MANHOLE
- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- - - - - Ex Sewer Main
- Ex Laterals
- Ex Manhole
- Text FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER



NOT TO SCALE



MH ID:	MH IE:	MH DEPTH:	FSN:
227	87.72	8	86615
245	58.13	6	86632
246	37.57	7	86633
222	45.42	8	86610
225	62.92	7	86613
CO8	63.45	2	-
221	51.69	7	86609
220	52.29	8	86608
223	72.83	5	86611
224	78.12	7	86612

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Legend

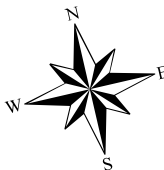
- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERALS REHABILITATION
- ⊗ REPLACE SEWER MANHOLE

- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT

- Ex Manhole
- - - Ex Sewer Main
- Ex Laterals
- Plugs

Text FSN (Facility Sequence Number)

123 MANHOLE ID NUMBER



NOT TO SCALE



MH ID:	MH IE:	MH DEPTH:	FSN:
269	28.3	8	86655
271	32.16	6	86657
246	37.57	7	86633
222	45.42	8	86610
221	51.69	7	86609
219	44.37	8	86607
218	42.09	8	86606
217	38.62	7	86605
215	37.84	7	86603
214	36.44	7	86602
213	33.62	7	86601
271	32.16	6	86657

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Legend

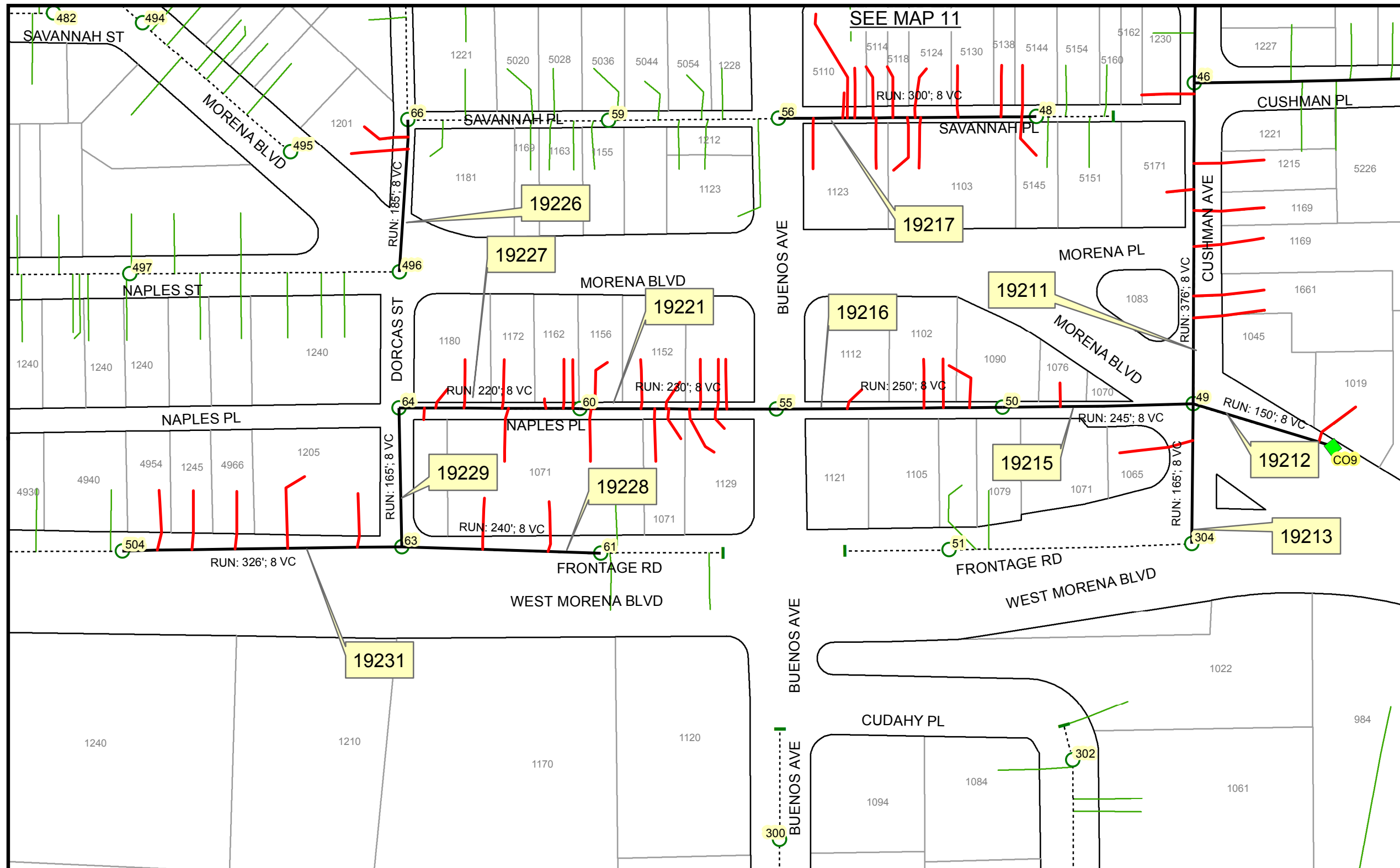
- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- ⊗ REPLACE SEWER MANHOLE

- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- Ex Manhole
- - - - Ex Sewer Main
- Ex Laterals
- Plugs

Text

 FSN (Facility Sequence Number)
 123 MANHOLE ID NUMBER

NOT TO SCALE

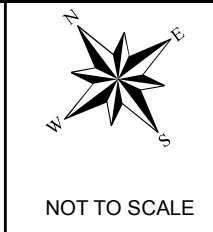


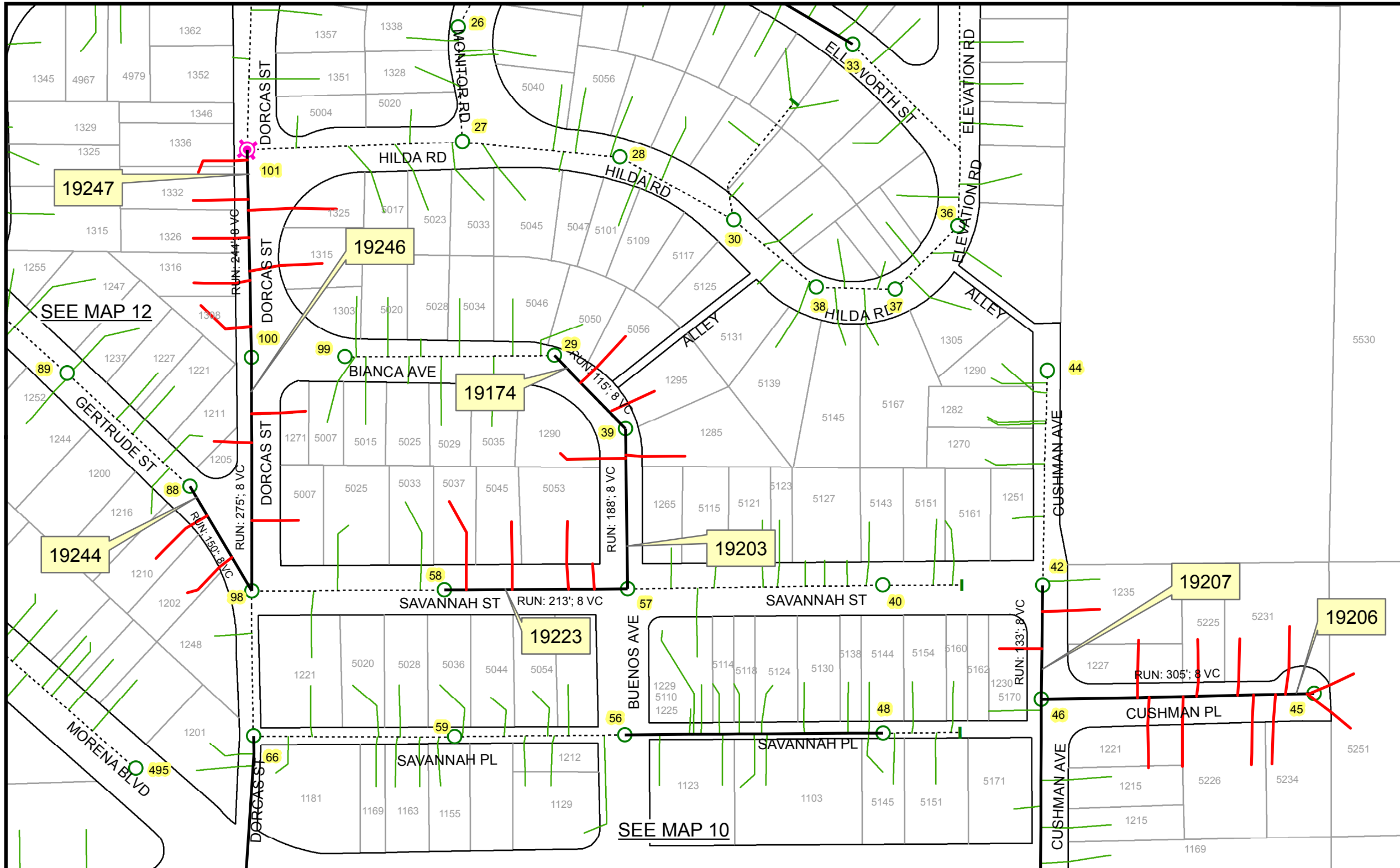
MH ID:	MH IE:	MH DEPTH:	FSN:
504	10.34	5	5667340
63	12.82	8	86794
61	21.23	8	86792
64	14.47	8	86745
60	16.67	14	86791
55	17.59	13	86786
50	18.59	8	86782
49	19.57	7	86781
304	20.49	5	87018
46	26.32	7	86778
56	22.37	8	86787
48	27.3	7	86780
CO9	20.37	5	-
66	18.32	8	86797
496	15.01	9	5665043

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Legend

- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- REPLACE SEWER MANHOLE
- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- Ex Manhole
- - - Ex Sewer Main
- Ex Laterals
- Plugs
- Text FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER



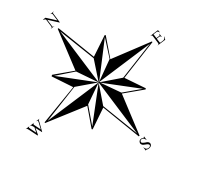


MH ID:	MH IE:	MH DEPTH:	FSN:
88	30.12	7	86816
98	23.27	2.8	86826
100	38.47	6.12	86828
101	66	2.97	86829
58	25.12	8	86789
57	26.82	6.3	86788
39	39.02	10.32	86772
29	42.02	13.43	86763
42	36.32	7.3	86775
46	26.32	10.05	86778
45	30.95	7.17	86777

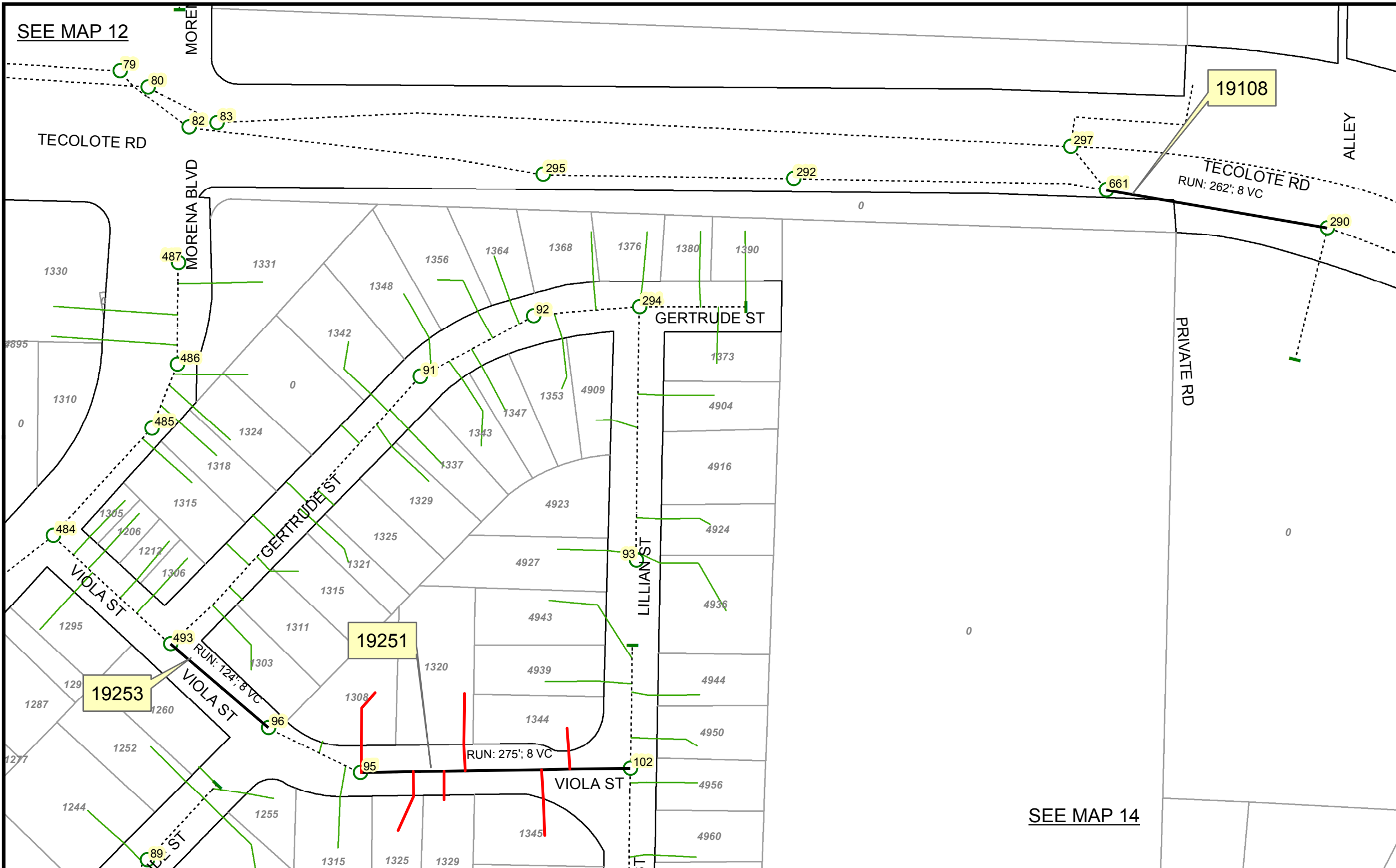
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Legend

- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- ⊗ REPLACE SEWER MANHOLE
- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- ⊗ DROPPED MANHOLE
- Ex Manhole
- Ex Sewer Main
- Ex Laterals
- Plugs
- Text FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER



NOT TO SCALE



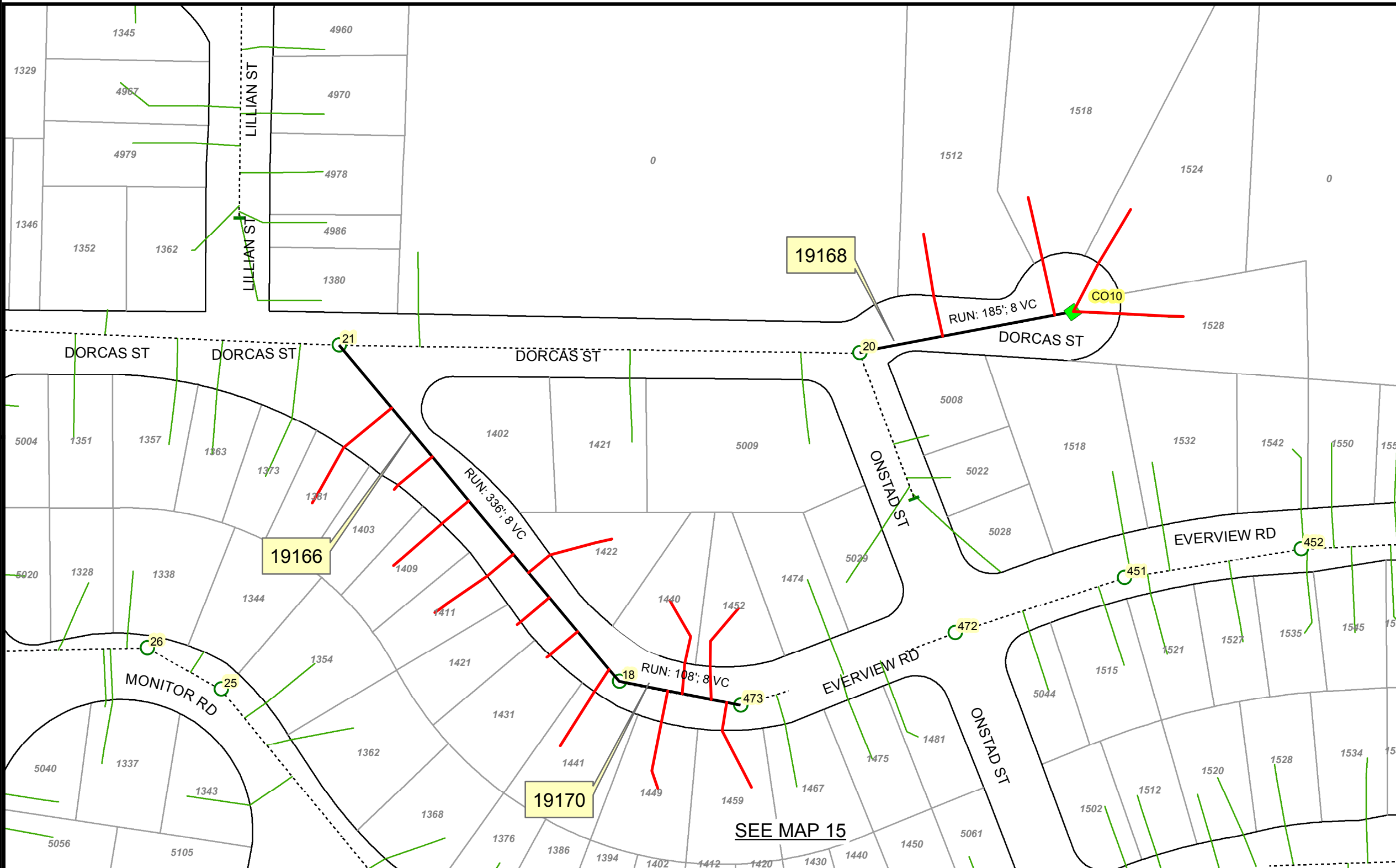
MH ID:	MH IE:	MH DEPTH:	FSN:
661	15.67	5.93	5664912
290	17.94	6	86673
493	28.12	9.22	5664887
96	41.63	9.1	86824
95	52.44	9.15	86823
102	74.12	7	86830

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Legend

- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- REPLACE SEWER MANHOLE
- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- Ex Manhole
- Ex Sewer Main
- Ex Laterals
- Plugs
- FSN (Facility Sequence Number)
123 MANHOLE ID NUMBER





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Legend

- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- REPLACE SEWER MANHOLE

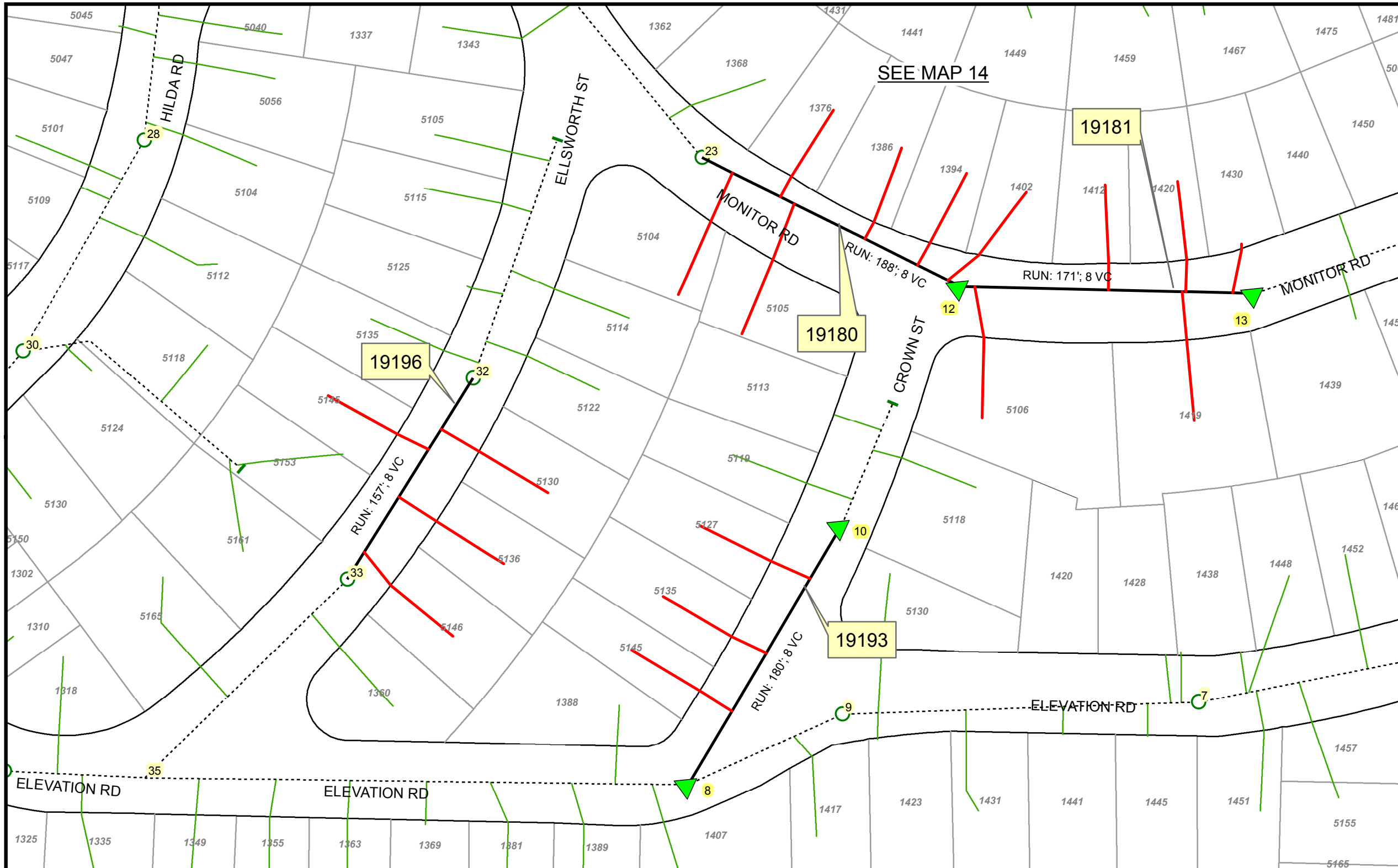
- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- Ex Manhole
- - - Ex Sewer Main
- Ex Laterals
- - - Plugs

Text FSN (Facility Sequence Number)

123 MANHOLE ID NUMBER



NOT TO SCALE




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Legend

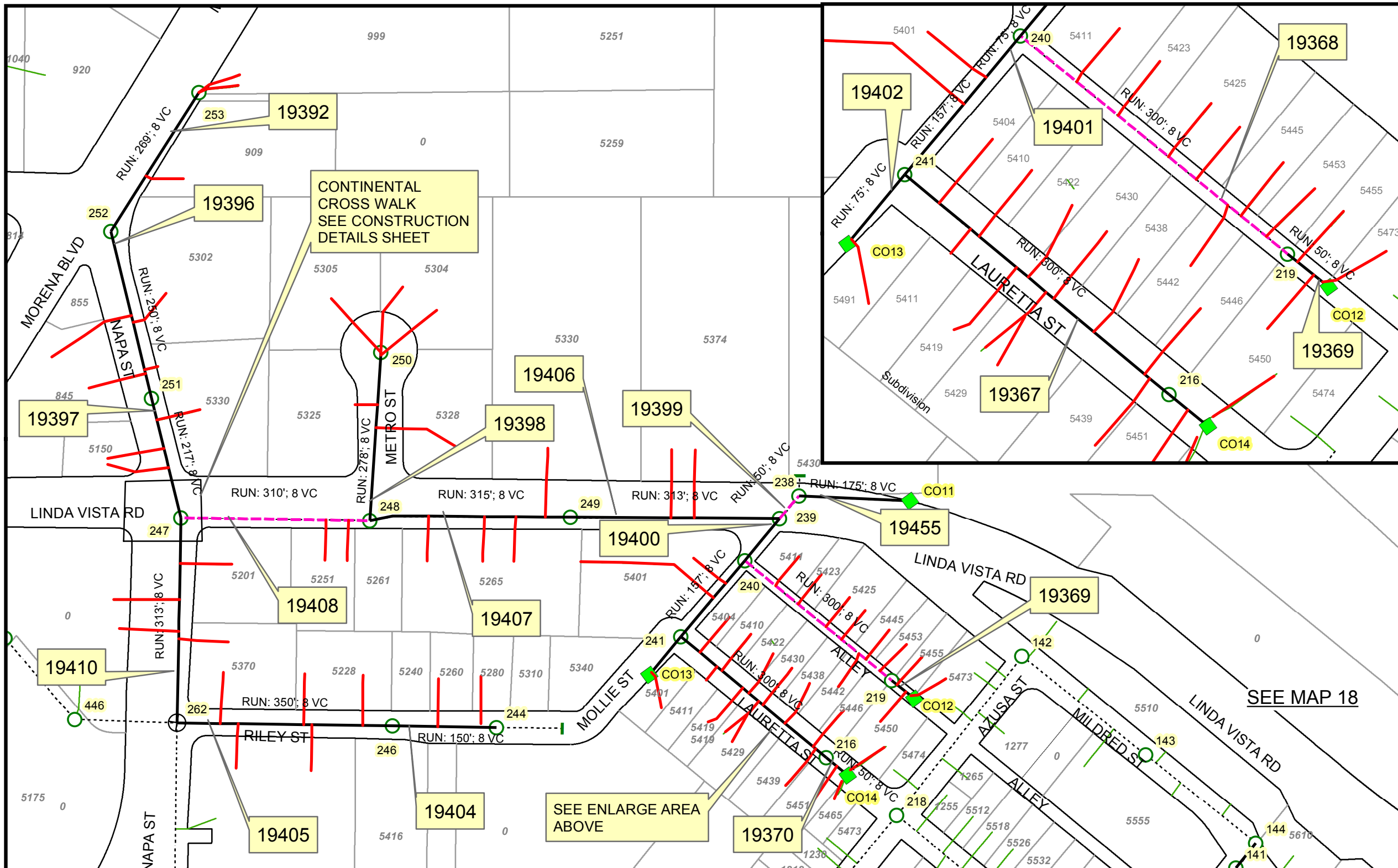
- INSTALL MANHOLE
- Ex Manhole
- PROPOSED SEWER REHABILITATION
- REHABILITATE SEWER MANHOLE
- - - Ex Sewer Main
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- Ex Laterals
- PROPOSED LATERAL REHABILITATION
- INSTALL NEW CLEANOUT
- - Plugs
- ⊗ REPLACE SEWER MANHOLE

Text FSN (Facility Sequence Number)

123 MANHOLE ID NUMBER



NOT TO SCALE



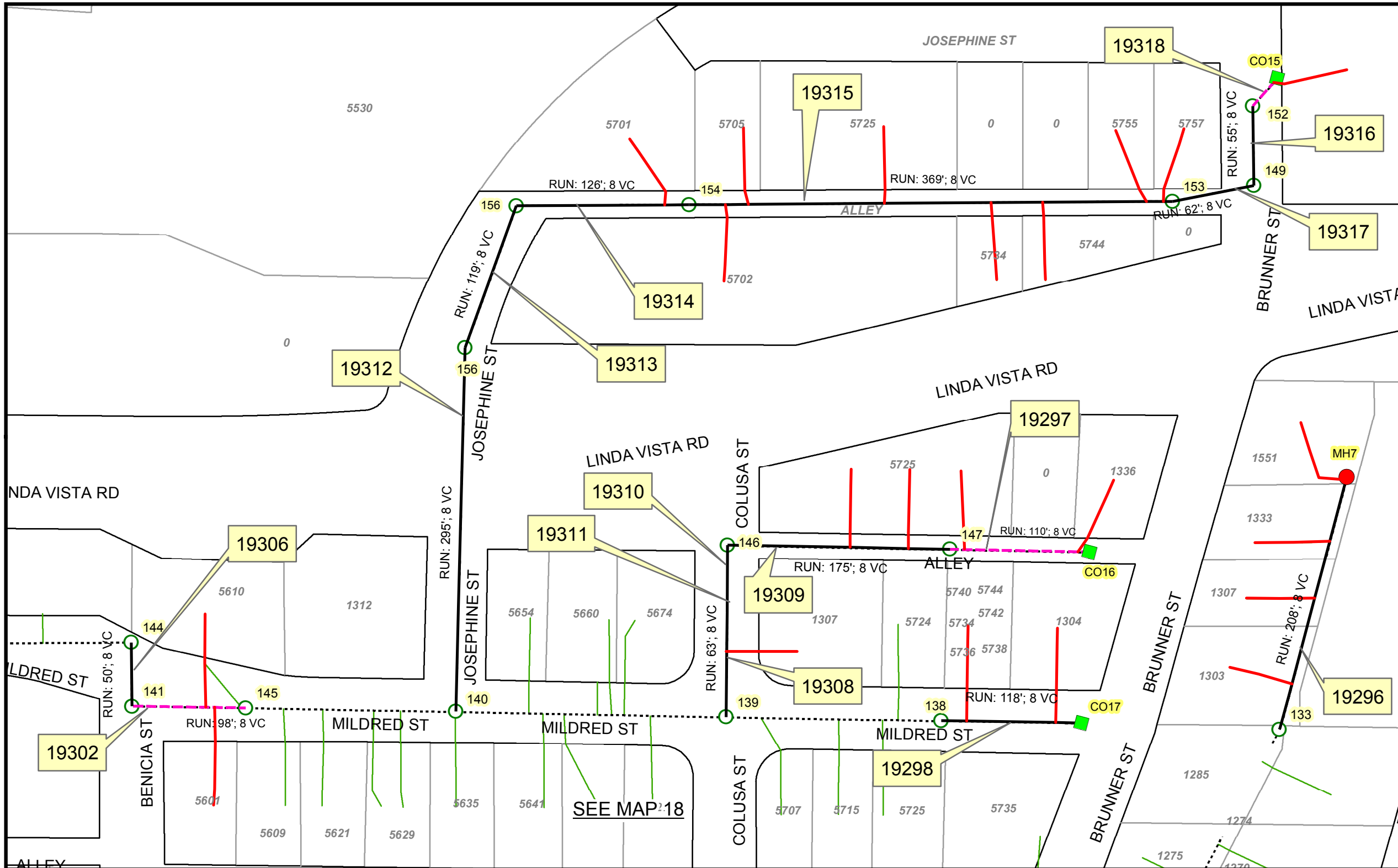
MH ID:	MH IE:	MH DEPTH:	FSN:
253	14.3	7	86970
252	13.22	7	86696
251	12.22	7	86968
247	11.5	8.23	86964
262	4.9	14	86979
246	10.15	6	86963
244	10.75	6	86961
248	15.22	8	86965
250	16.33	5.24	86967
249	22.78	7	86966
239	30.69	8	86956
238	35.79	7	86955
CO11	42.79	3.37	-
240	31.24	8	86957
219	39.04	6	86938
CO12	40.36	6.2	-
241	31.62	6	86958
CO13	31.92	5.88	-
216	33.07	9	86935
CO14	33.27	7	-

Legend

- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- ⊗ REPLACE SEWER MANHOLE
- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- Ex Manhole
- - - Ex Sewer Main
- Ex Laterals
- Plugs
- Text FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER

NOT TO SCALE

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MH ID:	MH IE:	MH DEPTH:	FSN:
144	58.53	14	86869
141	59.38	5	86866
145	61.04	5	86878
140	76.15	12	86865
156	108.56	8	86880
155	121.66	9	86879
154	135.52	12	86878
153	146.59	8	86877
149	146.92	5	86874
152	153.92	7	86876
CO15	153.92	7	-
139	95.78	10.22	86864
146	98.73	12	86871
147	108.1	11	86872
CO16	129.00	2.5	-
138	118.49	8	86863
CO17	121.09	1.71	-
133	88.32	10	86858
MH7	108.08	9.5	-

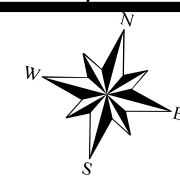
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Legend

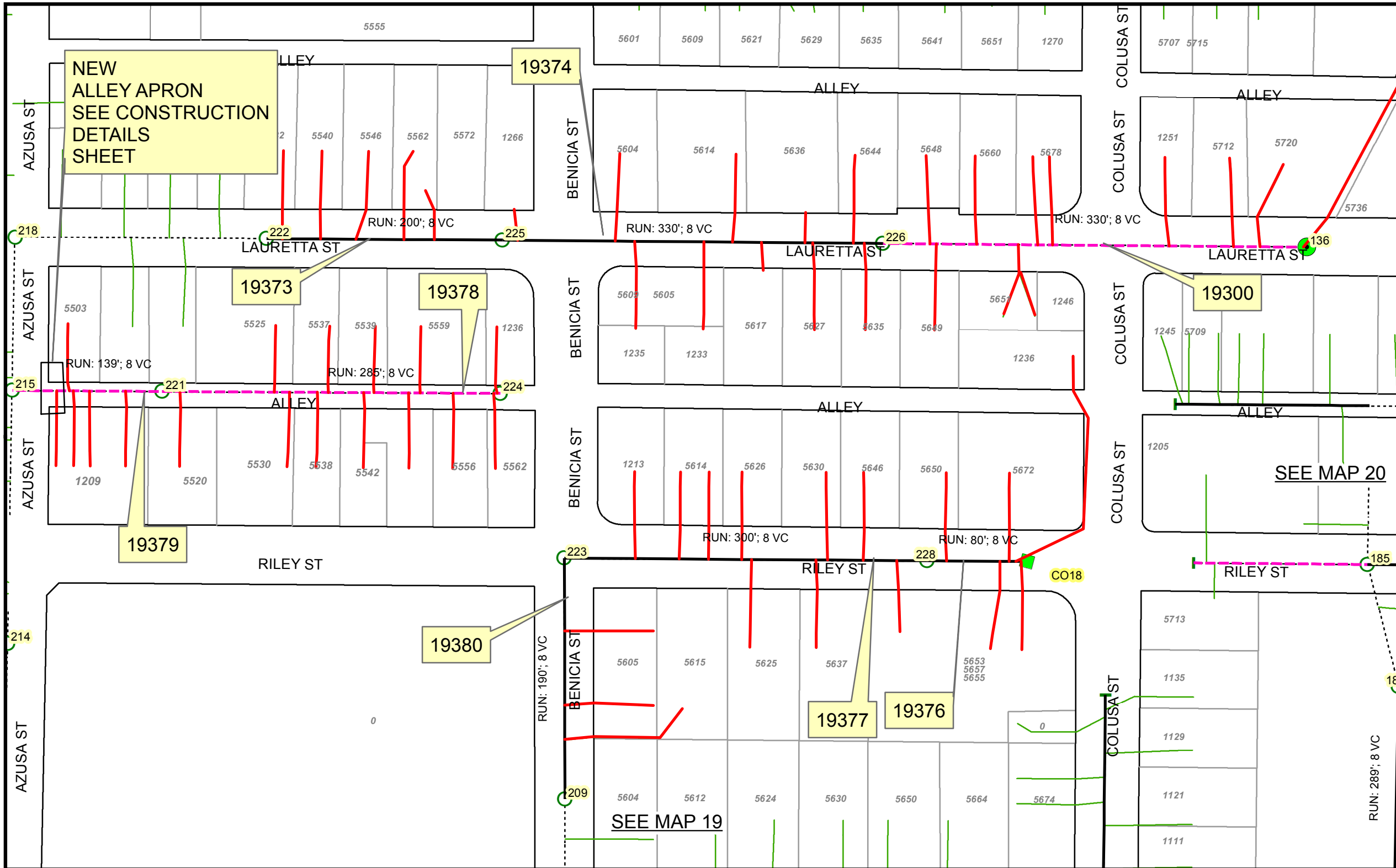
- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- REPLACE SEWER MANHOLE

- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- Ex Manhole
- Ex Laterals
- - - Ex Sewer Main
- Plugs

Text FSN (Facility Sequence Number)
 123 MANHOLE ID NUMBER



NOT TO SCALE



MH ID:	MH IE:	MH DEPTH:	FSN:
222	28.73	12.76	86941
225	51.09	8	86944
226	61.98	10	86945
136	72.87	3.96	86861
215	28.73	5	86934
221	29.66	8	86940
224	43.91	3.41	86943
209	27.13	6	86928
223	41.00	7.05	86942
228	50.00	7	86947
CO18	52.40	7.34	-

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Legend

- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- REPLACE SEWER MANHOLE

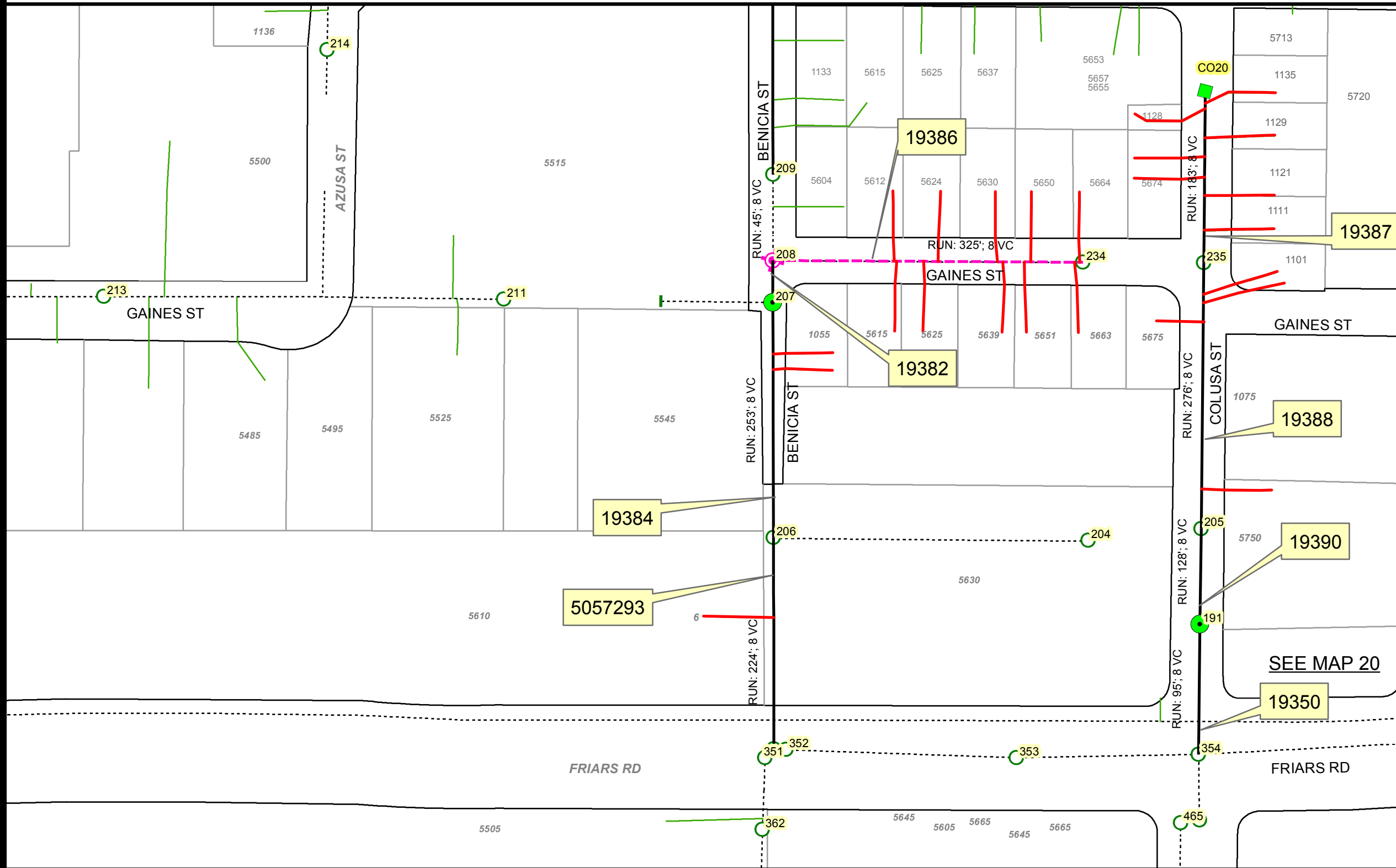
- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT

- Ex Manhole
- - - - Ex Sewer Main
- Ex Laterals
- Plugs

Text FSN (Facility Sequence Number)

123 MANHOLE ID NUMBER

NOT TO SCALE



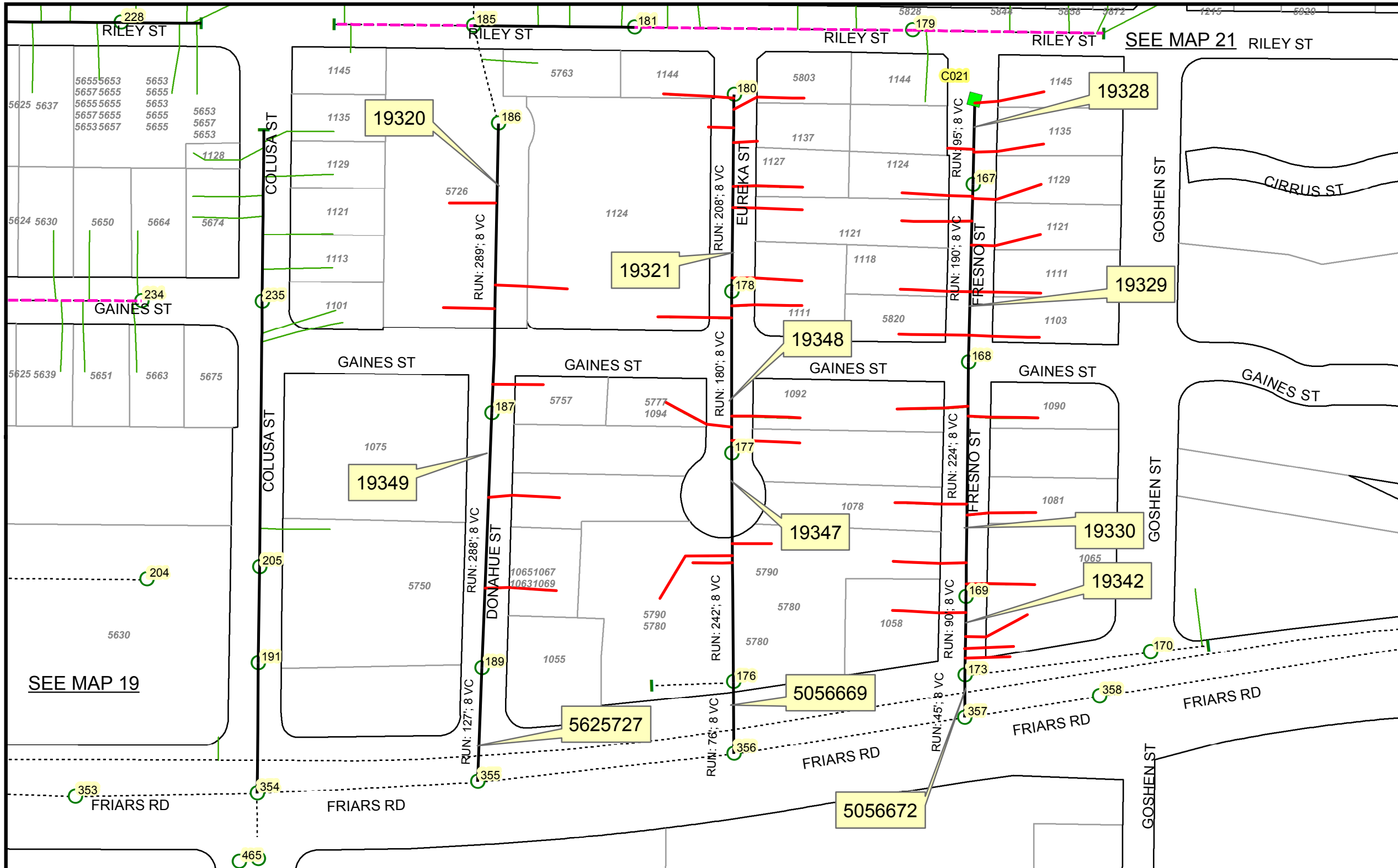
MH ID:	MH IE:	MH DEPTH:	FSN:
365	2.4	18.6	5057292
206	4.84	16	86925
207	26.52	15	86926
208	34.12	10.88	86927
234	40.62	7.3	86951
354	4.66	15.34	5656540
191	10.08	10	86912
205	10.59	10	86924
235	42.87	6	86952
CO20	51.11	7	-

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Legend

- INSTALL MANHOLE
- DROPPED MANHOLE
- Plugs
- PROPOSED SEWER REHABILITATION
- REHABILITATE SEWER MANHOLE
- Ex Manhole
- Text FSN (Facility Sequence Number)
- REHAB MANHOLE W/POINT REPAIR
- Ex Sewer Main
- 123 MANHOLE ID NUMBER
- PROPOSED LATERAL REHABILITATION
- INSTALL NEW CLEANOUT
- Ex Laterals
- REPLACE SEWER MANHOLE

NOT TO SCALE

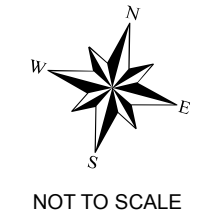


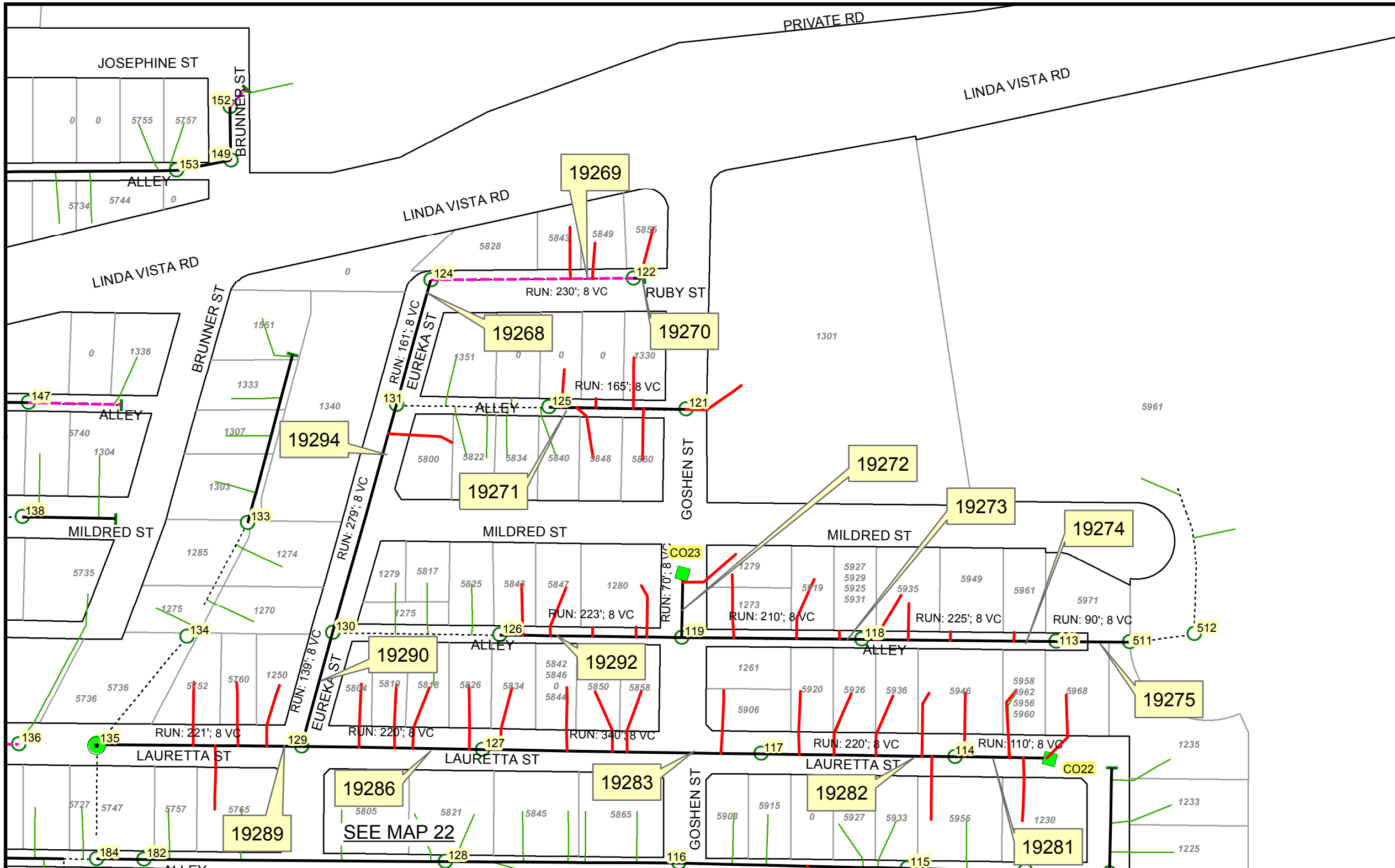
MH ID:	MH IE:	MH DEPTH:	FSN:
355	5.92	16.88	5056540
189	10.6	9.4	86911
187	20.97	8	86909
186	31.68	8	86908
356	8.48	21.52	5056670
176	10.98	18.52	86898
177	37.12	11	86899
178	43.06	12	86900
180	68.02	11.7	86902
357	10.96	23.74	5056705
173	20.47	14	86896
169	36.58	13	86893
168	48.76	11	86892
167	75.36	13	86891
CO21	91.51	12.94	-

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Legend

- INSTALL MANHOLE
- REHABILITATION SEWER MANHOLE
- Ex Manhole
- Text FSN (Facility Sequence Number)
- PROPOSED LATERAL REHABILITATION
- Ex Sewer Main
- Ex Laterals
- 123 MANHOLE ID NUMBER
- INSTALL NEW CLEANOUT
- Plugs
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- REPLACE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION





MH ID:	MH IE:	MH DEPTH:	FSN:
135	62.24	7.5	86860
129	105.34	8	86854
130	119.28	8	86855
131	138.82	8.5	86856
124	142.61	6	86849
122	174.90	7.9	86847
127	131.13	8	86852
117	142.01	7.01	86842
114	154.11	7.01	86839
C022	170.61	8	-
126	143.73	7.6	86851
119	161.42	8	86844
CO23	161.42	7.7	-
118	169.12	8	86843
113	193.87	8	86838
511	198.84	7.6	5669820
135	62.24	7.4	86860
129	105.34	8	86854
127	131.13	8	86852
117	142.01	9.01	86842
114	154.11	7.6	86839
121	176.92	9	86846
125	160.42	9	86850

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Legend

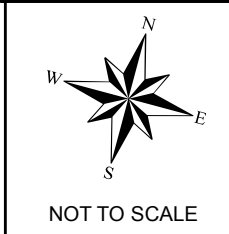
- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- ⊗ REPLACE SEWER MANHOLE

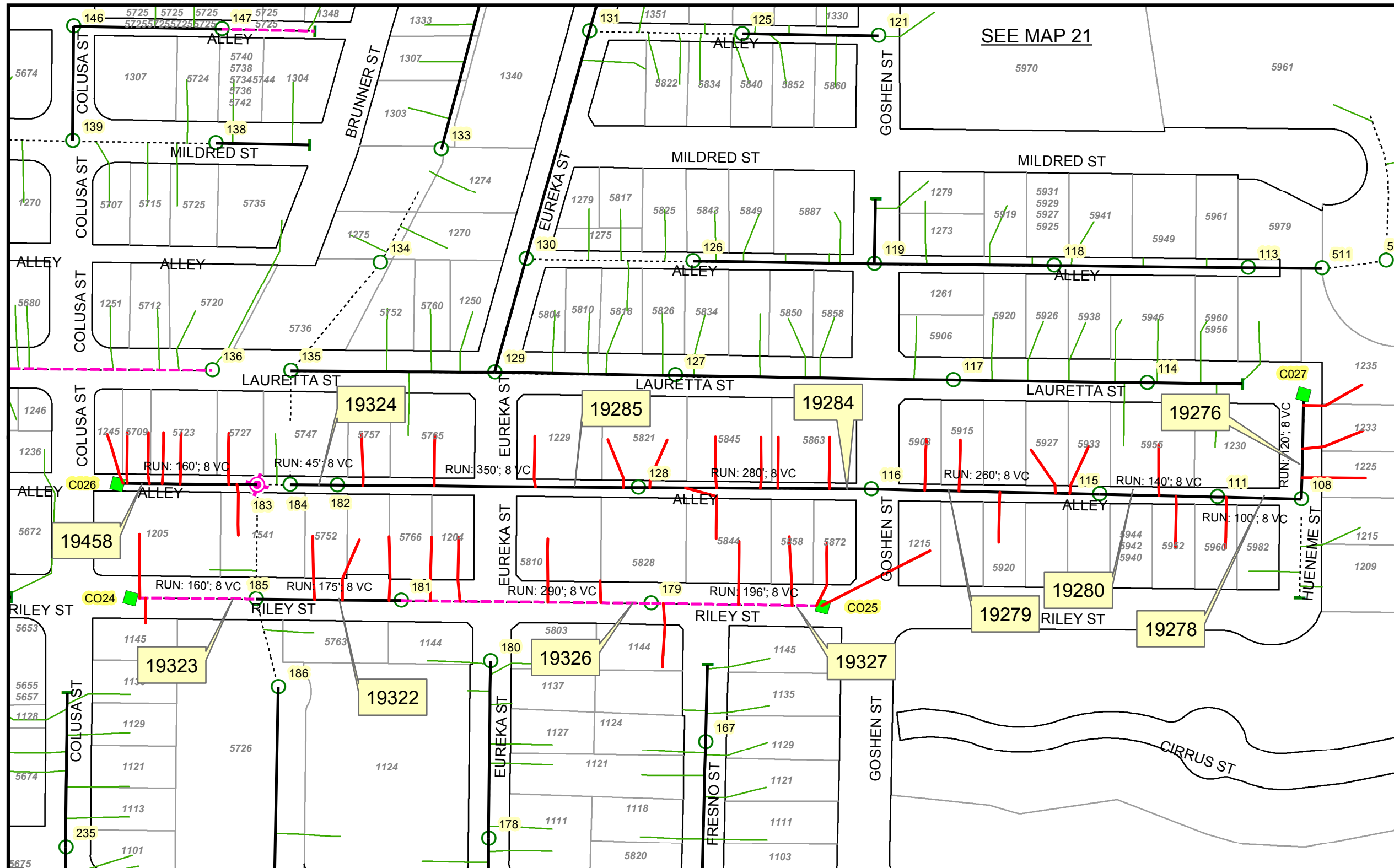
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT

- Ex Manhole
- - - Ex Sewer Main
- Ex Laterals
- Plugs

Text FSN (Facility Sequence Number)

123 MANHOLE ID NUMBER





MH ID:	MH IE:	MH DEPTH:	FSN:
CO24	57.19	7	-
185	42.75	7	86907
181	59.73	15	86903
179	102.36	10.64	86901
CO25	104.32	10.64	-
CO26	65.76	10	-
183	50.97	17	86905
184	54.02	11	86906
182	73.86	8	86904
128	115.86	5	86853
116	116.98	12	86841
115	118.02	7	86840
111	154.42	7	86836
108	162.11	10	86834
CO27	174.11	5.44	-

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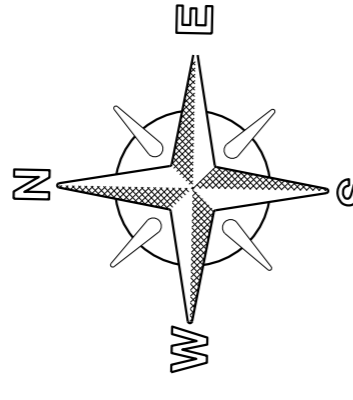
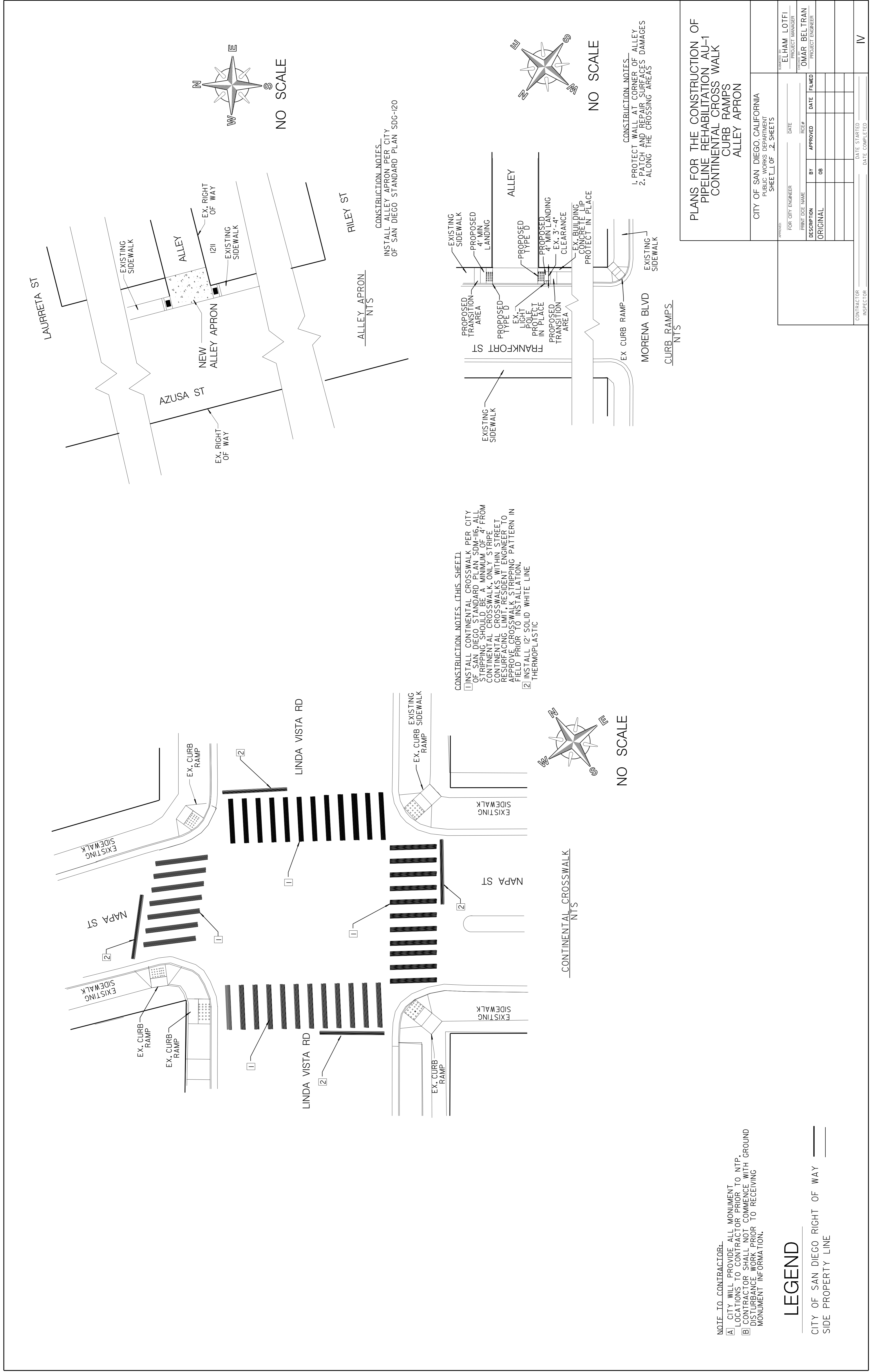
Legend

- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- PROPOSED LATERAL REHABILITATION
- ⊗ REPLACE SEWER MANHOLE
- INSTALL MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- ⊗ DROPPED MANHOLE
- Ex Manhole
- - - - - Ex Sewer Main
- Ex Laterals

- Text FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER

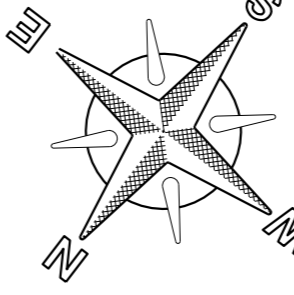
NOT TO SCALE

CONSTRUCTION DETAILS



NO SCALE

CONSTRUCTION NOTES:
INSTALL ALLEY APRON PER CITY OF SAN DIEGO STANDARD PLAN SDG-120



NO SCALE

CONSTRUCTION NOTES:
1. PROTECT WALL AT CORNER OF ALLEY
2. PATCH AND REPAIR SURFACES DAMAGES ALONG THE CROSSING AREAS

CONSTRUCTION NOTES (THIS SHEET):
1. INSTALL CONTINENTAL CROSSWALK PER CITY OF SAN DIEGO STANDARD PLAN SDG-116. ALL STRIPPING SHOULD BE A MINIMUM OF 4" FROM CONTINENTAL CROSSWALKS, ONLY STRIPES WITHIN STREET RESURFACING LIMIT. RESIDENT ENGINEER TO APPROVE CROSSWALK STRIPPING PATTERN IN FIELD PRIOR TO INSTALLATION.
2. INSTALL 12' SOLID WHITE LINE THERMOPLASTIC

NOTE TO CONTRACTOR:
A. CITY WILL PROVIDE ALL MONUMENT LOCATIONS TO CONTRACTOR PRIOR TO NTP.
B. CONTRACTOR SHALL NOT COMMENCE WITH GROUND DISTURBANCE WORK PRIOR TO RECEIVING MONUMENT INFORMATION.

LEGEND

CITY OF SAN DIEGO RIGHT OF WAY ———
SIDE PROPERTY LINE ———

PLANS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AU-1 CONTINENTAL CROSS WALK CURB RAMPS ALLEY APRON

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 11 OF 22 SHEETS		APPROVED BY: FOR CITY ENGINEER DATE PRINT DGE NAME DESCRIPTION ORIGINAL	DATE RECEIVED APPROVED DATE FILED	PROJECT MANAGER OMAR BELTRAN PROJECT ENGINEER
CONTRACTOR	INSPECTOR	DATE STARTED	DATE COMPLETED	IV

WORK TO BE DONE
 CONSTRUCTION CONSIST OF TRENCHLESS REHABILITATION OF APPROXIMATELY 38.357 LF (7.3 MILES) OF EXISTING 8-INCH VITRIFIED CLAY (VC) AND CONCRETE PIPE (CP) SEWER MAINS. THE PROJECT ALSO INCLUDES POINT REPAIRS, REHABILITATION OF MANHOLES, REPAIR MANHOLES, REPLACEMENT MANHOLES, INSTALLATION CLEANOUTS, INSTALLATION OF 8 NEW MANHOLES, ASSESSMENT OF LATERALS BY CCTV, REHABILITATION OF EXISTING SEWER LATERALS AND INSTALLATION OF SEWER LATERALS CLEANOUTS AT PROPERTY LINE, FURTHERMORE, INSTALLATION OF ALLEY APRON, AND STRIPPING A CONTINENTAL CROSS WALK.

CONTRACTOR'S RESPONSIBILITIES

1. PURSUANT TO SECTION 426 OF THE GOVERNMENT CODE, AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G. UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA) AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
2. NOTIFY SDG&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDG&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES. (I.E., 69 KV & HIGHER)
3. CITY FORCES, WHEN SPECIFIED OR SHOWN ON THE PLANS, WILL MAKE PERMANENT CUTS & PLUGS AND CONNECTIONS.
4. THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
5. STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
6. UNLESS OTHERWISE NOTED AS PREVIOUSLY POTHOLED (PH), ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION. ALL UTILITIES ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL CLOSURE ALL EXISTING UTILITIES EITHER SHOWN ON THE PLANS OR MARKED IN THE FIELD IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 5-UTILITIES.
7. EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT REPRESENTATIVE OF ACTUAL LENGTH AND LOCATION OF CONFLICT AREAS. SEE PLAN VIEW.

CONSTRUCTION STORM WATER PROTECTION NOTES

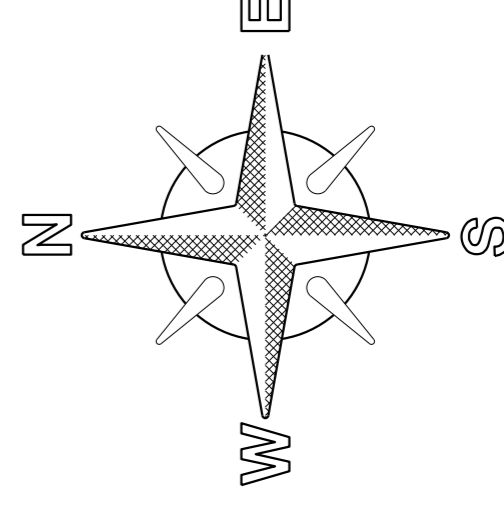
1. TOTAL SITE DISTURBANCE AREA (ACRES) _____ .009
 HYDROLOGIC UNIT / WATERSHED PENASQUITOS / MISSION BAY
 HYDROLOGIC SUBAREA NAME & NO. TECOCOTE, 906.5 / MISSION SAN DIEGO, 907.11
2. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE
 WPCP
 SWPPP
 THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100
 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-DWO AS AMENDED BY ORDER 2010-004-DWO AND 2012-0006-DWO
 TRADITIONAL RISK LEVEL 1 2 3 4
 LUP: RISK TYPE 1 2 3 4
 3. CONSTRUCTION SITE PRIORITY
 ASBS HIGH MEDIUM LOW

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.

NOTE TO CONTRACTOR
 THE CITY WILL PROVIDE ALL MONUMENT TO CONTRACTOR PRIOR TO NTP. CONTRACTOR SHALL NOT COMMENCE WITH GROUND DISTURBANCE WORK PRIOR TO RECEIVING MONUMENT INFORMATION.

LEGEND	
* (star symbol)	LOCATION OF EXISTING SURVEY MONUMENT
○ (circle symbol)	MAP NUMBER



NO SCALE

PIPELINE REHABILITATION AU-1
 MONUMENT PERPETUATION

APPENDIX K
HAZARDOUS LABEL/FORMS

**HAZARDOUS
WASTE**

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

GENERATOR NAME _____

ADDRESS _____ 24 HR. PHONE () _____

CITY _____ STATE _____ ZIP _____

EPA ID NO. _____ MANIFEST DOCUMENT NO. _____

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

CONTENTS, COMPOSITION _____

PROPER DOT SHIPPING NAME _____

TECHNICAL NAME (S) _____

UN/NA NO. WITH PREFIX _____

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

HANDLE WITH CARE!
CONTAINS HAZARDOUS OR TOXIC WASTES

INCIDENT/RELEASE ASSESSMENT FORM ¹

If you have an emergency, Call 911

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

Questions for Incident Assessment:

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

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

Call 911 in an emergency

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

If in doubt, report the release.

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

NON REPORTABLE RELEASE INCIDENT FORM

1. RELEASE AND RESPONSE DESCRIPTION

Incident # _____

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

2. ADMINISTRATIVE INFORMATION

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

3. CHEMICAL INFORMATION

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

EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM

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

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS

GENERAL INFORMATION:

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

BASIC INSTRUCTIONS:

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

SPECIFIC INSTRUCTIONS:

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

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

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

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

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

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

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

Block H: List any additional pertinent information.

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

MAIL THE COMPLETED REPORT TO:

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

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

APPENDIX L

SEWER MAINS AND MANHOLE REHABILITATION SAMPLE DATA TEMPLATES

APPENDIX M
CURB RAMP LOCATION MAP



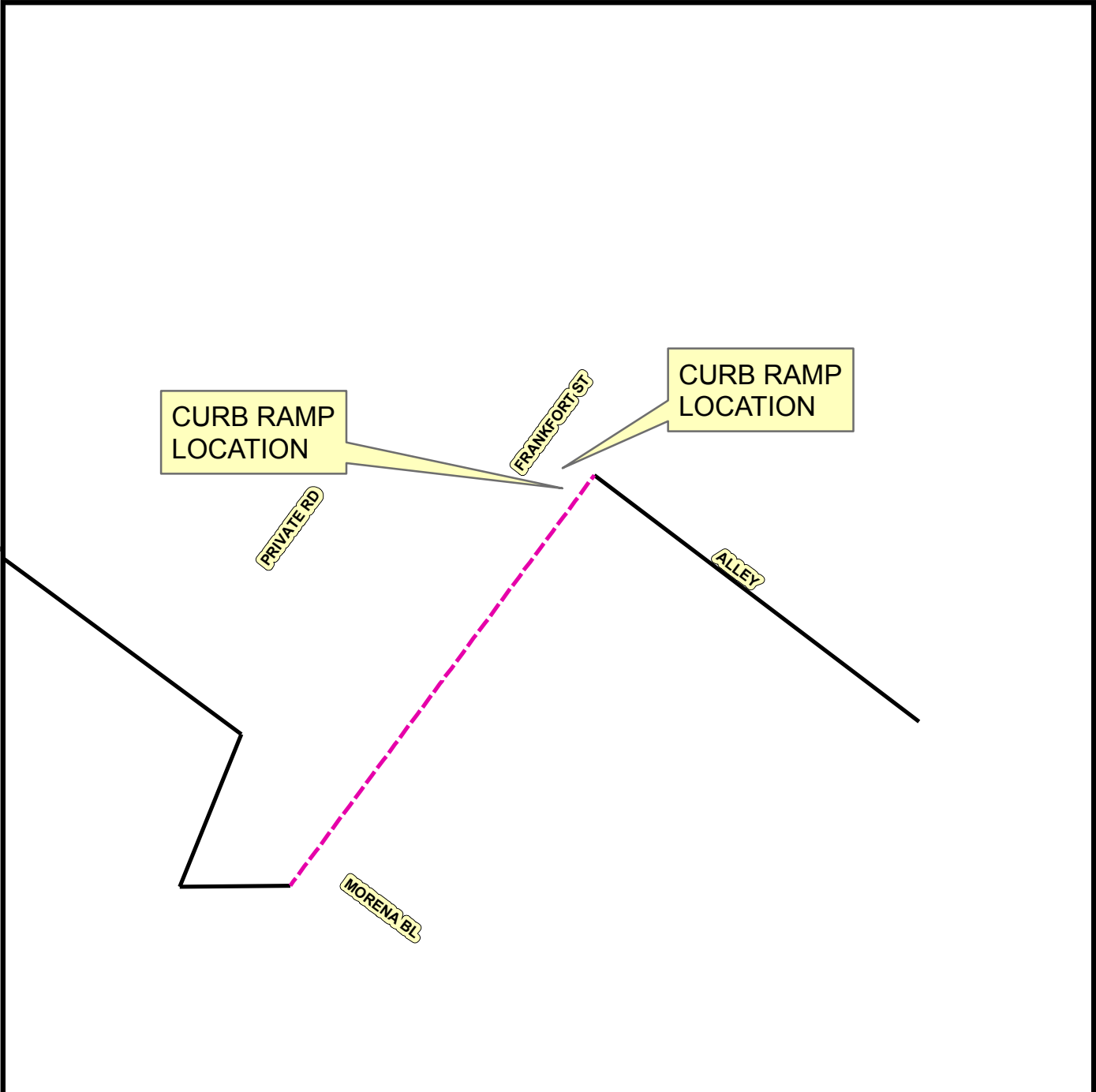
PIPELINE REHABILITATION AU-1

SENIOR ENGINEER
SHEILA BOSE
619-533-4698

PROJECT MANAGER
ELHAM LOTFI
619-533-5212

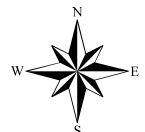
PROJECT ENGINEER
OMAR BELTRAN
619-533-4127

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



Legend

- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR



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APPENDIX N
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.
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• 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

APPENDIX O

ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

Protecting AMI Devices in Meter Boxes and on Street Lights

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

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

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

- A. Endpoints, see Photo 1:

Photo 1



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

Photo 2



Network Devices, see Photo 3:

Photo 3



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

Photo 4



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

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

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

Photo 5

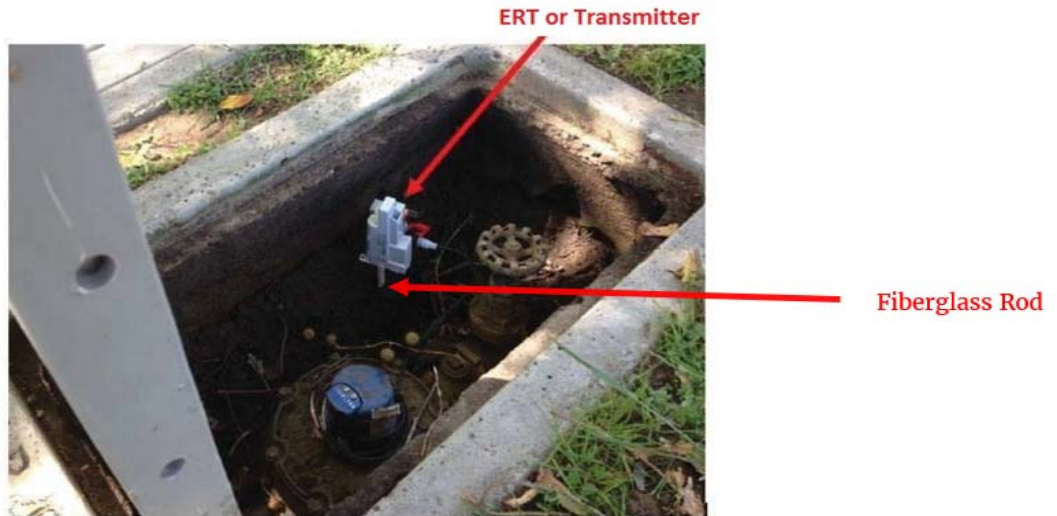


Photo 6 below is an example of disturbance that shall be avoided:

Photo 6



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

Photo 7



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

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

Photo 8



Network Device

Photo 9



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

APPENDIX P
MONUMENT PERPETUATION MAP

PIPELINE REHABILITATION AU-1

WORK TO BE DONE
 CONSTRUCTION CONSIST OF TRENCHLESS REHABILITATION OF APPROXIMATELY 38,357 LF (7.3 MILES) OF EXISTING 8-INCH VITRIFIED CLAY (VC) AND CONCRETE PIPE (CP) SEWER MAINS. THE PROJECT ALSO INCLUDES POINT REPAIRS, REHABILITATION OF MANHOLES, REPAIR MANHOLES, REPLACEMENT MANHOLES, INSTALLATION CLEANOUTS, INSTALLATION OF 8 NEW MANHOLES, ASSESSMENT OF LATERALS BY CCTV, REHABILITATION OF EXISTING SEWER LATERALS AND INSTALLATION OF SEWER LATERALS CLEANOUTS AT PROPERTY LINE, FURTHERMORE, INSTALLATION OF ALLEY APRON, AND STRIPPING A CONTINENTAL CROSS WALK.

CONTRACTOR'S RESPONSIBILITIES

1. PURSUANT TO SECTION 4216 OF THE GOVERNMENT CODE, AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G. UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA) AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
2. NOTIFY SDG&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDG&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES. (I.E., 69 KV & HIGHER)
3. CITY FORCES, WHEN SPECIFIED OR SHOWN ON THE PLANS, WILL MAKE PERMANENT CUTS & PLUGS AND CONNECTIONS.
4. THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
5. STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
6. UNLESS OTHERWISE NOTED AS PREVIOUSLY POTHOLED (PH), ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION ONLY AND ARE SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE CITY DOES NOT GUARANTEE THAT IT HAS REVIEWED ALL AVAILABLE DATA. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES EITHER SHOWN ON THE PLANS OR MARKED IN THE FIELD IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 5-UTILITIES.
7. EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT REPRESENTATIVE OF ACTUAL LENGTH AND LOCATION OF CONFLICT AREAS. SEE PLAN VIEW.

CONSTRUCTION STORM WATER PROTECTION NOTES

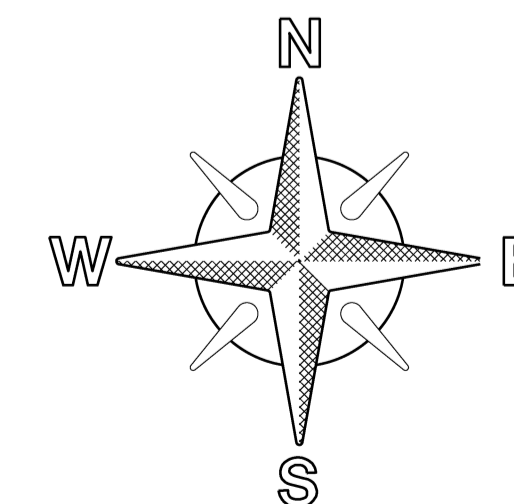
1. TOTAL SITE DISTURBANCE AREA (ACRES) .009
 HYDROLOGIC UNIT / WATERSHED PENASQUITOS / MISSION BAY
 HYDROLOGIC SUBAREA NAME & NO. TECOLOTE, 906.5/MISSION SAN DIEGO, 907.11
2. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE
 WPCP
 THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 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-DW0 AS AMENDED BY ORDER 2010-0014-DW0 AND 2012-0006-DW0
 TRADITIONAL: RISK LEVEL 1 2 3
 LUP: RISK TYPE 1 2 3
3. CONSTRUCTION SITE PRIORITY
 ASBS HIGH MEDIUM LOW

NOTE TO CONTRACTOR
THE CITY WILL PROVIDE ALL MONUMENT TO CONTRACTOR PRIOR TO NTP. CONTRACTOR SHALL NOT COMMENCE WITH GROUND DISTURBANCE WORK PRIOR TO RECEIVING MONUMENT INFORMATION.

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



NO SCALE

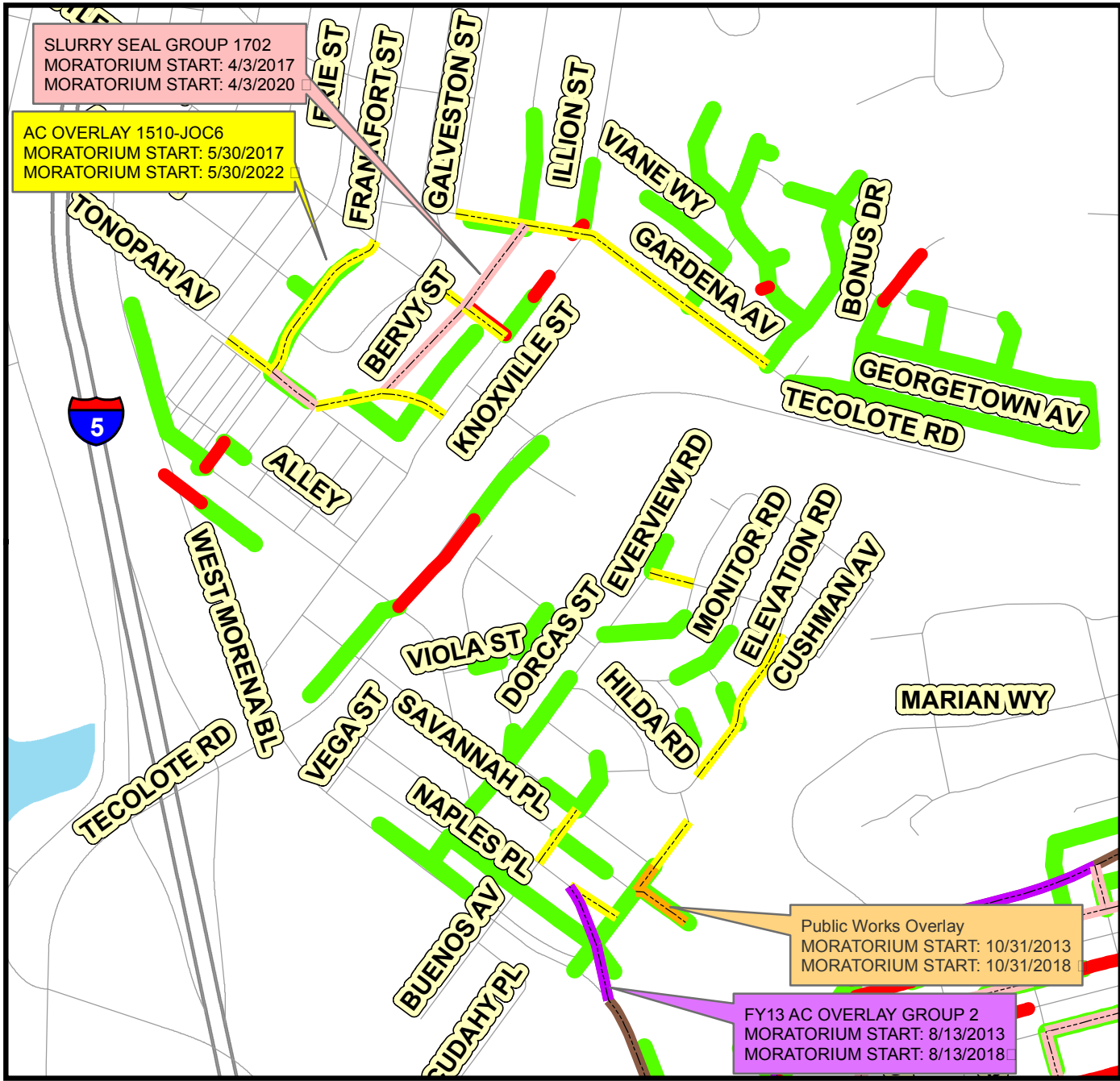
PIPELINE REHABILITATION AU-1 MONUMENT PERPETUATION SHEET V
--

MONUMENT PERPETUATION

APPENDIX Q
PREDESIGN PAVING CONFLICT MAPS

PREDESIGN PAVING CONFLICT MAP
PIPELINE REHABILITATION AU-1

PAVING MAP 1 of 2



Legend

- AU-1 Point Repair Alignment
- AU-1 Rehab Alignment
- AC OVERLAY 1510-JOC6
- SLURRY SEAL GROUP 1702
- FY13 AC OVERLAY GROUP 2
- Public Works CIP

- Overlay Moratorium - Yes
- Overlay Projects - Yes
- Slurry Moratorium - Yes
- Slurry Projects - Yes
- IMCAT Check - Completed

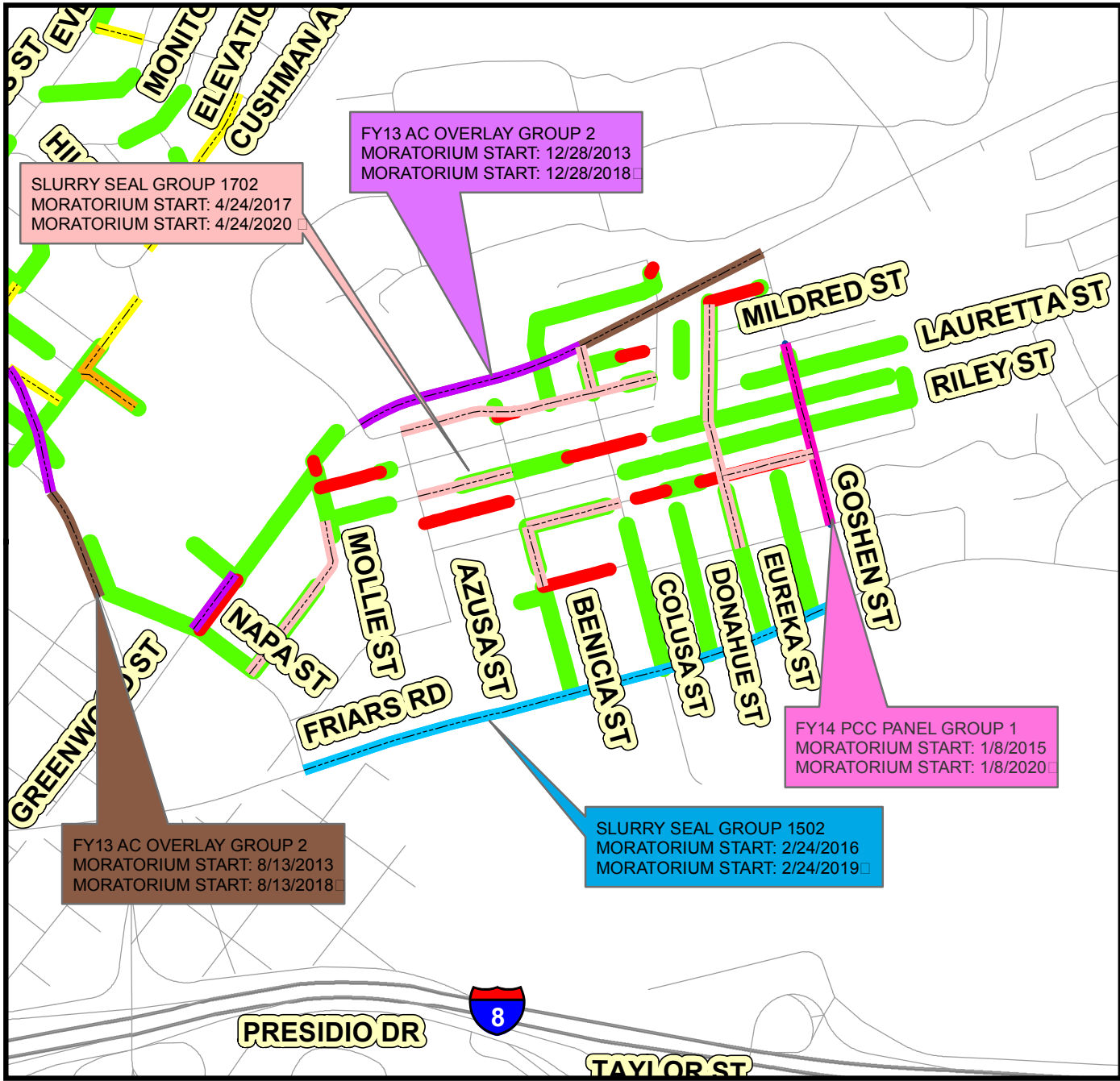


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Document Path: S:\PITS\PITS-CIP-Preliminary-Engineering-and-Program-Coordination\Drafting\Water & Sewer Projects\Sewer Projects\Pipeline Rehabilitation AU-1\CIP Tracking\Paving Conflict Map\Paving Conflict Map (10-26-2017) 1.mxd

PREDESIGN PAVING CONFLICT MAP
PIPELINE REHABILITATION AU-1

PAVING MAP 2 of 2



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Legend

- AU-1 Point Repair Alignment
- AU-1 Rehab Alignment
- FY13 AC OVERLAY GROUP 2
- FY14 PCC PANEL GROUP 1
- SLURRY SEAL GROUP 1702
- SLURRY SEAL GROUP 1502

- Overlay Moratorium - Yes
- Overlay Projects - Yes
- Slurry Moratorium - Yes
- Slurry Projects - Yes
- IMCAT Check - Completed

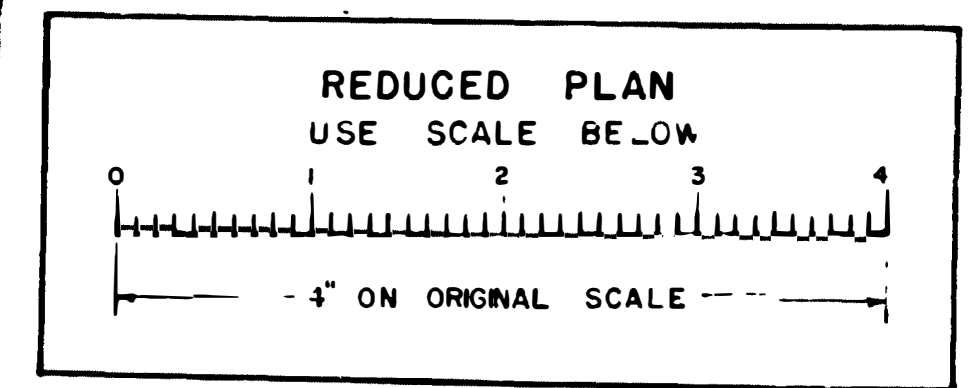
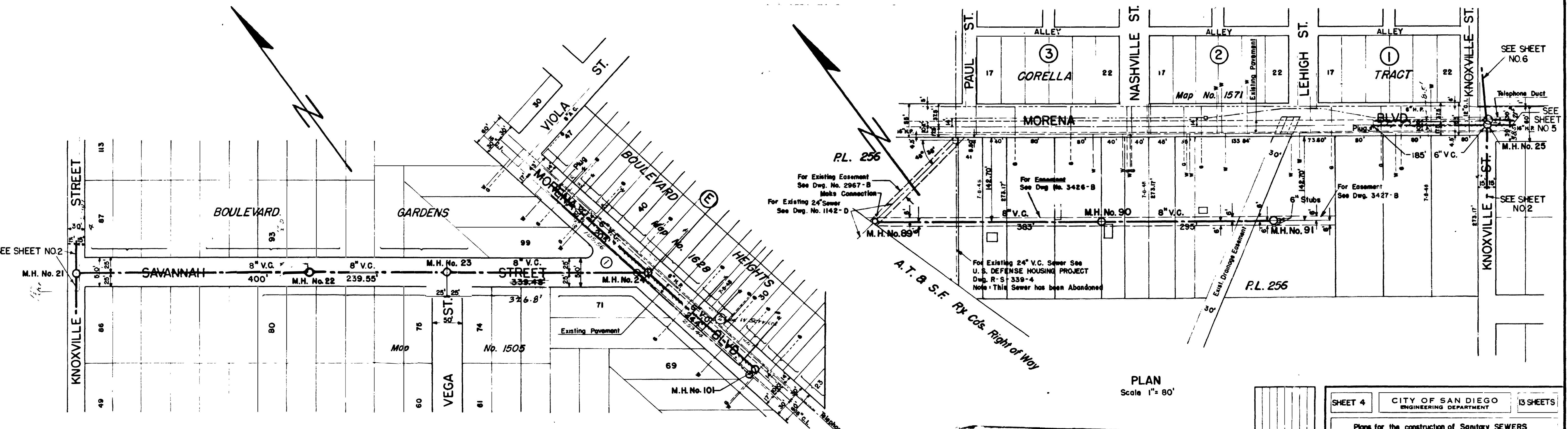
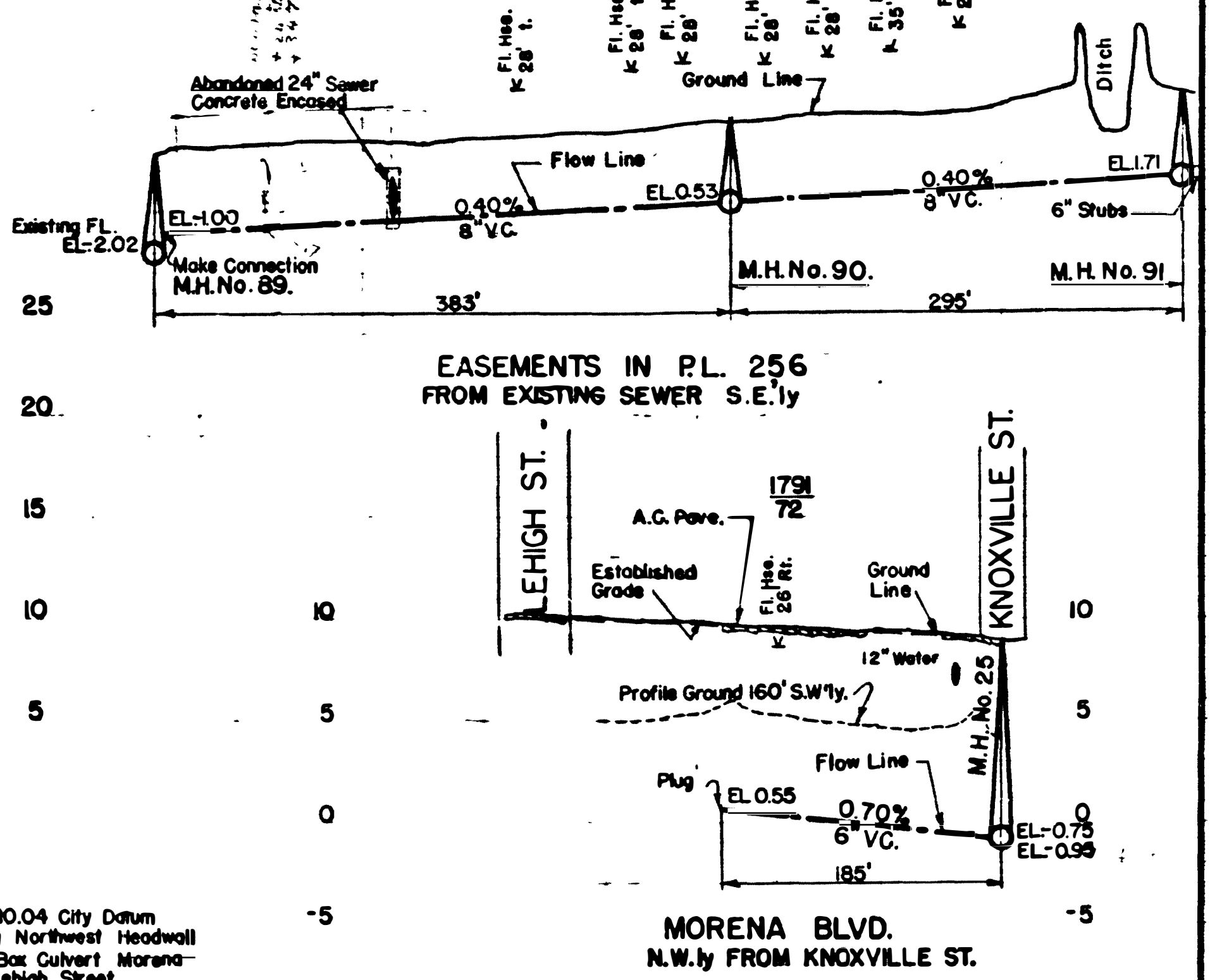
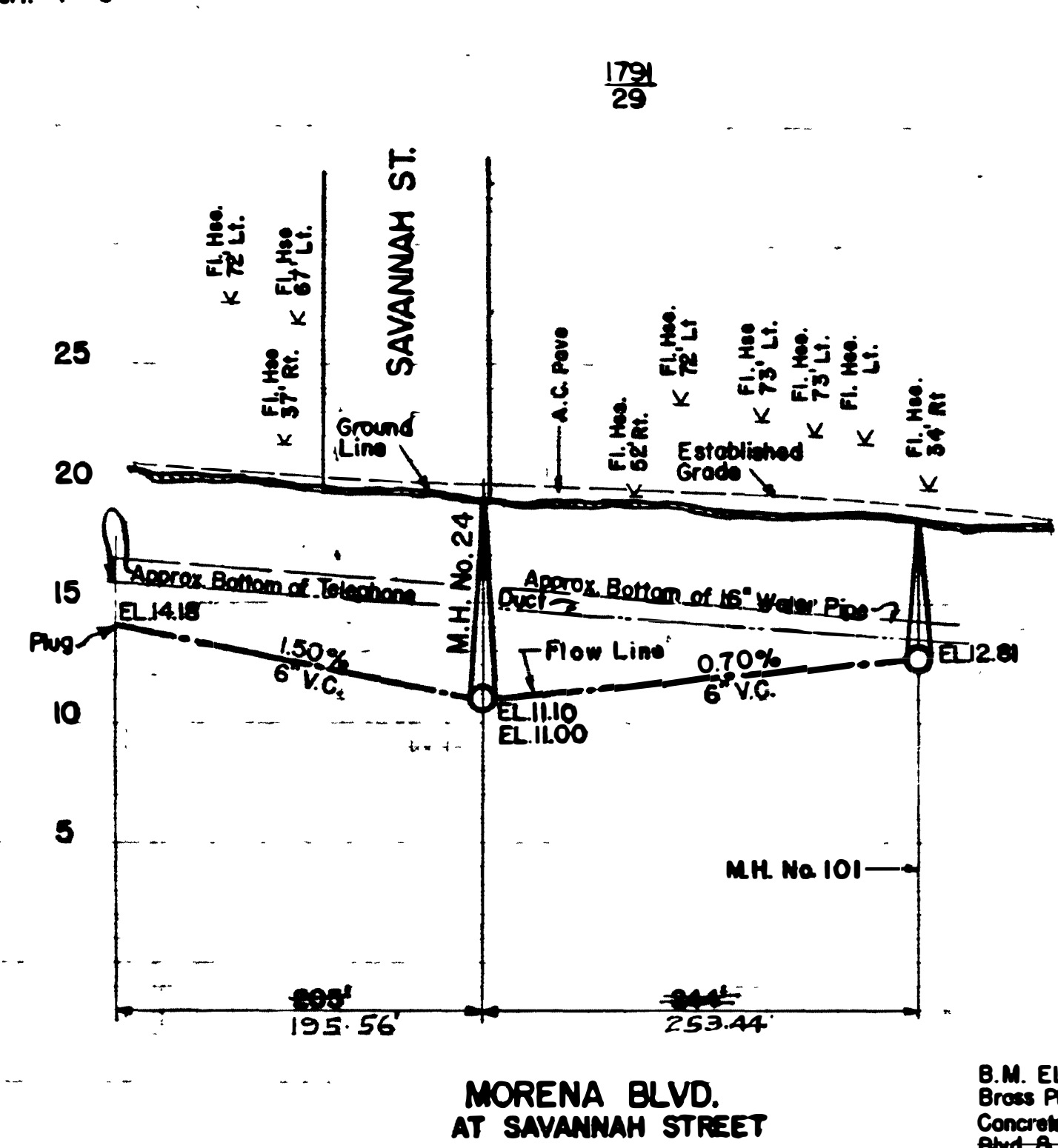
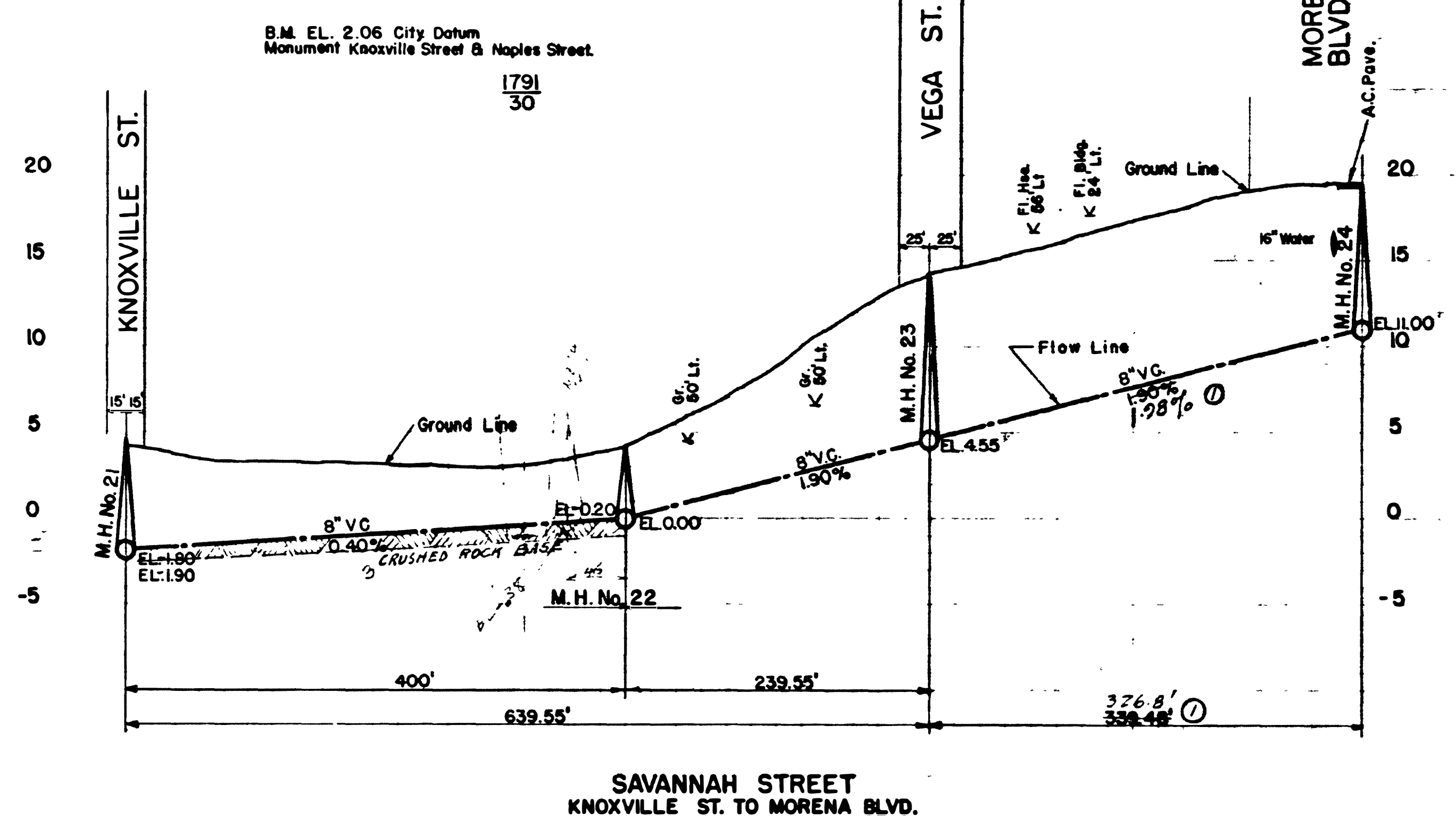


Document Path: S:\PITS\PITS-CIP-Preliminary-Engineering-and-Program-Coordination\Drafting\Water & Sewer Projects\Sewer Projects\Pipeline Rehabilitation AU-1\CIP Tracking\Paving Conflict Map\Paving Conflict Map (10-26-2017) 2.mxd

APPENDIX R

AS-BUILTS

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



WATER DEPARTMENT		CITY OF SAN DIEGO	
SEWER DEPARTMENT		ENGINEERING DEPARTMENT	
DRAINAGE		SHEET 4	
FIELD CHECK		13 SHEETS	
PLANNING COMMISSION		Plans for the construction of Sanitary SEWERS	
GRABBER		in MORENA BLVD., PAUL ST., CUSHMAN AVE.,	
		WEEKS AVE., PLAINVIEW ROAD, ET AL.	
APPROVED	CITY ENGINEER	DATE	SEP 10 1948
GILSON	AS SHOWN	SCALE	AS SHOWN
DESIGNED BY	1791	DRAWING NUMBER	1343-D
CONSTRUCTION RECORD			
CONTRACTOR	BUTTERFIELD	INSPECTOR	DABBY
DATE STARTED	8-21-48	DATE STOPPED	8-23-48
DATE COMPLETED	8-31-48	DATE	8-23-48

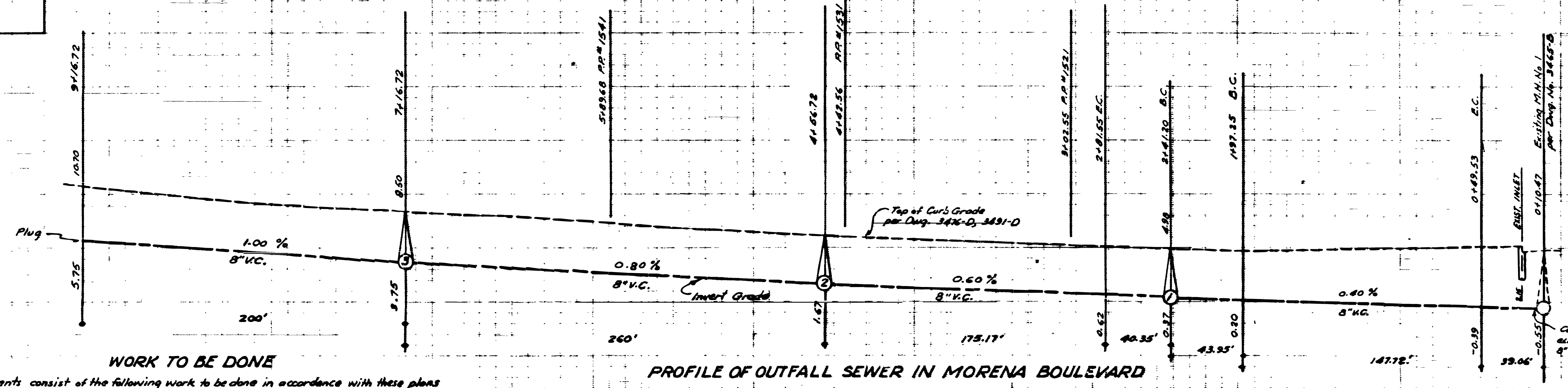
SPECIFICATIONS

Standard Specifications: Parts 4-1-58; Part V Item 5-9-58
 General Conditions for Private Contract Work
 Special Conditions P-13

REFERENCE DRAWINGS

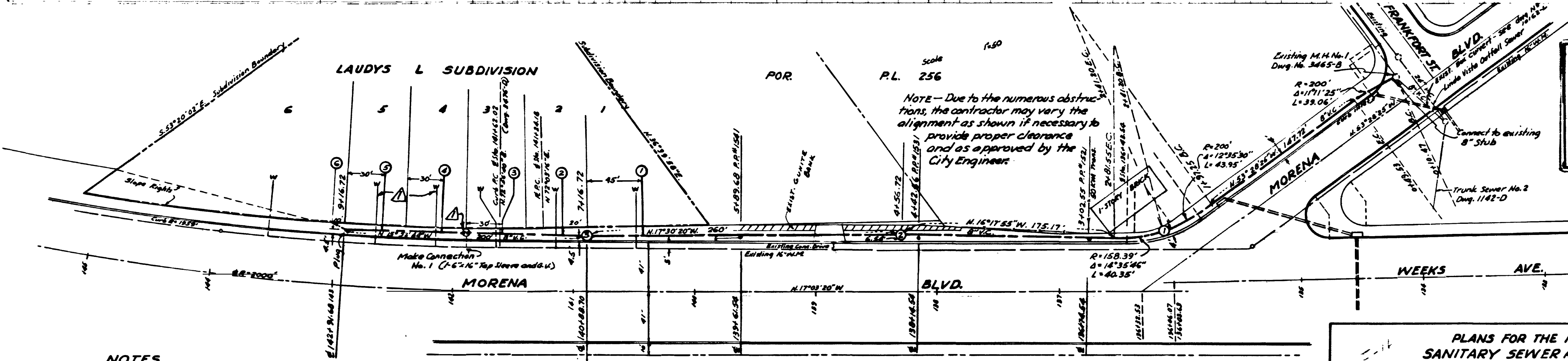
3476-D, 3491-D Morena Boulevard
 Federal Housing Authority Project Cal-4092-
 Outfall Sewer (Linda Vista Outfall Sewer)
 1142-D Trunk Sewer No. 2
 3465-B Sewer Main Extension

Lat. No.	Inv. El.	Drop ft.	Inv. El.	Length	Curb El.	Inv. El.	Remarks
1	3.95	0.3'	3.9	7'	8.1	4.2'	
2	3.95	0.3'	4.4	6'	8.5	4.1	
3	4.45	0.3'	4.8	5'	9.0	4.2	
4	4.95	0.3'	5.3	4'	9.5	4.2	
5	5.45	0.3'	5.8	5'	10.2	4.4	
6	5.95	0.3'	6.6	13'	10.9	4.6	



- STANDARD DRAWINGS**
- WORK TO BE DONE**
 The improvements consist of the following work to be done in accordance with these plans and the specifications of the City of San Diego:
- 101-EB The construction of vitreous clay sewer main shown thus: ————
 - 122-EB The construction of 6" vitreous clay sewer laterals shown thus: ————
 - 107-5B, 108-EB The construction of concrete manholes shown thus: ————
 - 200-WB The construction of 3/4" copper water services shown thus: ————
 - 205-WB
 - 206-WB The construction of fire hydrant and appurtenances shown thus: ————
 - 214-WB

B.M. - S.E. Corner Conc. M.H. slab
 @ Morena Blvd. Sta. 152+40
 EL. 4.54

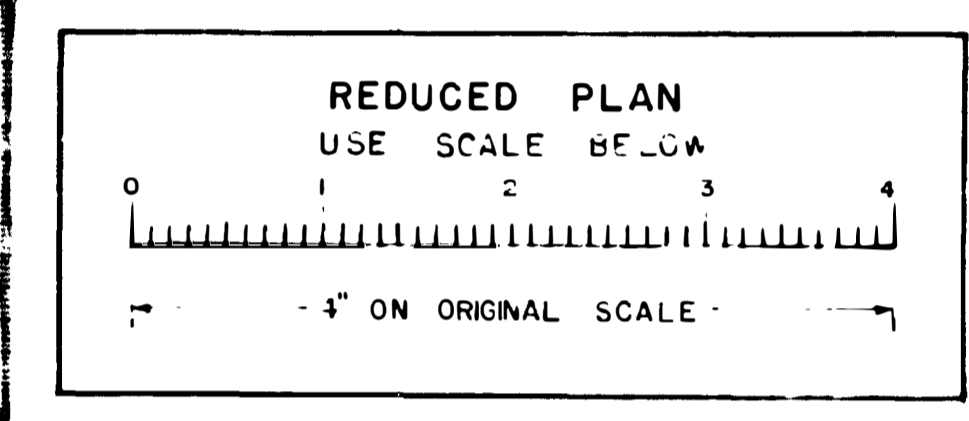
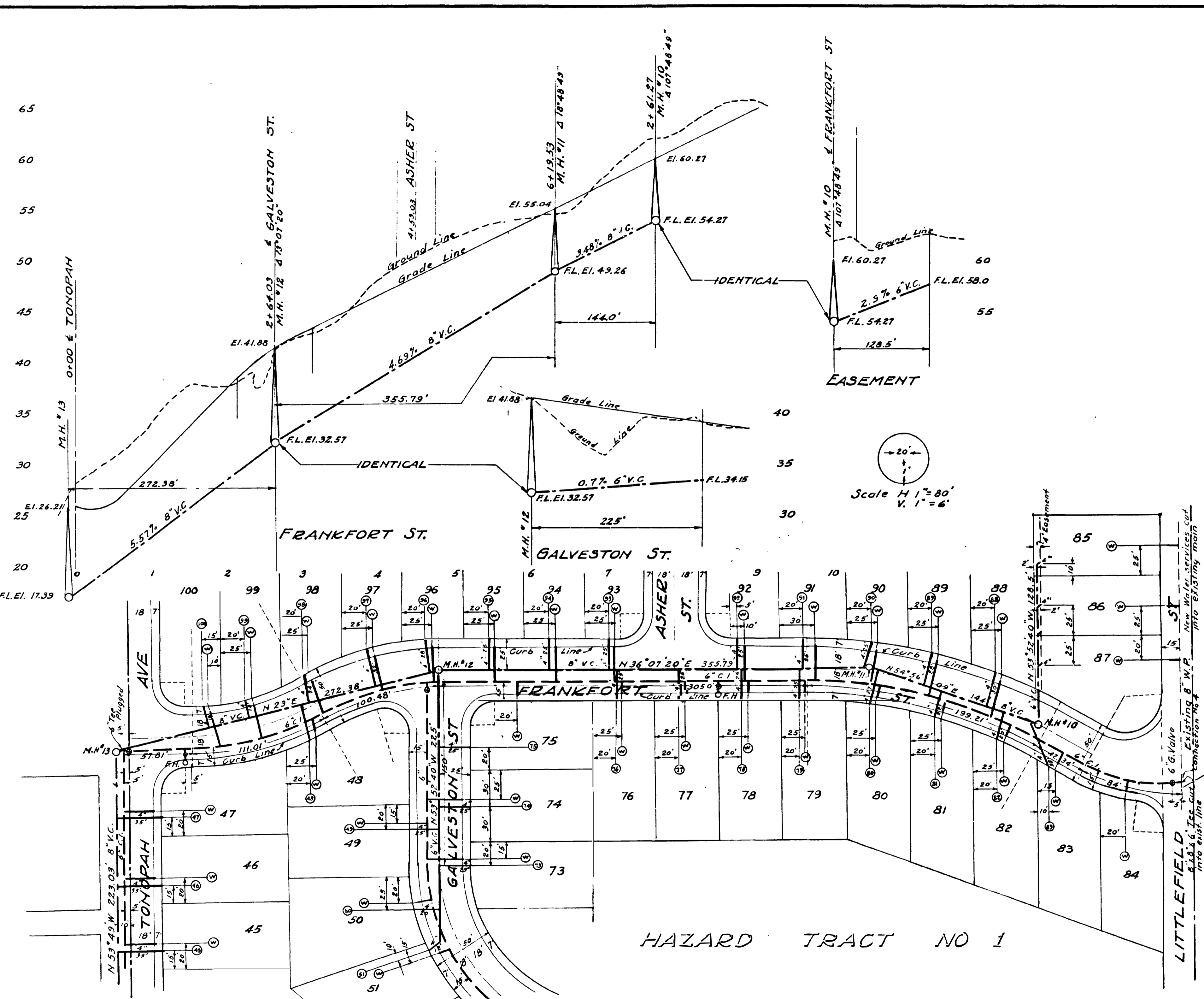


NOTES
 Sewer pipe shall be extra-strength vitreous clay except where noted on plans, and where constructed in fill where compaction of bottom of trench is less than 90%, shall be encased in reinforced concrete.

Sewer manholes shall be Type "B" unless otherwise indicated on plans.
 All water services shall be 3/4" copper pipe unless otherwise shown on plans.

"AS BUILT" NOTE: Fire Hydrant & Water Services Installed by City Forces.

CITY OF SAN DIEGO ENGINEERING DEPARTMENT				SHEET 1 OF 1 SHEETS	W.D. NO. 24990								
<table border="1"> <tr> <th>CHANGE</th> <th>BY</th> <th>DATE</th> <th>APPROVAL</th> </tr> <tr> <td>AS BUILT</td> <td>FRS</td> <td>7-14-59</td> <td></td> </tr> </table>				CHANGE	BY	DATE	APPROVAL	AS BUILT	FRS	7-14-59		9/25/59 E. J. [Signature] CITY ENGINEER	
CHANGE	BY	DATE	APPROVAL										
AS BUILT	FRS	7-14-59											
<table border="1"> <tr> <th>APPROVALS FOR</th> <th>DATE</th> </tr> <tr> <td>WATER DEPT. C.E. [Signature]</td> <td>7-27-59</td> </tr> <tr> <td>PLANNING DEPT. [Signature]</td> <td>7-14-59</td> </tr> <tr> <td>DRAINAGE DEPT. [Signature]</td> <td>7-14-59</td> </tr> </table>				APPROVALS FOR	DATE	WATER DEPT. C.E. [Signature]	7-27-59	PLANNING DEPT. [Signature]	7-14-59	DRAINAGE DEPT. [Signature]	7-14-59	ASST. CITY ENGINEER AND OFFICE ENGINEER A.G. [Signature] N.M. [Signature] SUPERVISOR	
APPROVALS FOR	DATE												
WATER DEPT. C.E. [Signature]	7-27-59												
PLANNING DEPT. [Signature]	7-14-59												
DRAINAGE DEPT. [Signature]	7-14-59												
<table border="1"> <tr> <th>CONSTRUCTION RECORD</th> <th>DATE STARTED</th> <th>DATE COMPLETED</th> </tr> <tr> <td>1-30-59</td> <td>5-19-59</td> <td></td> </tr> </table>				CONSTRUCTION RECORD	DATE STARTED	DATE COMPLETED	1-30-59	5-19-59		CHECKED DESIGNED			
CONSTRUCTION RECORD	DATE STARTED	DATE COMPLETED											
1-30-59	5-19-59												
CONTR. Taylor E. Sloan INSP. Milliken FIELD BOOK				6066 - D									

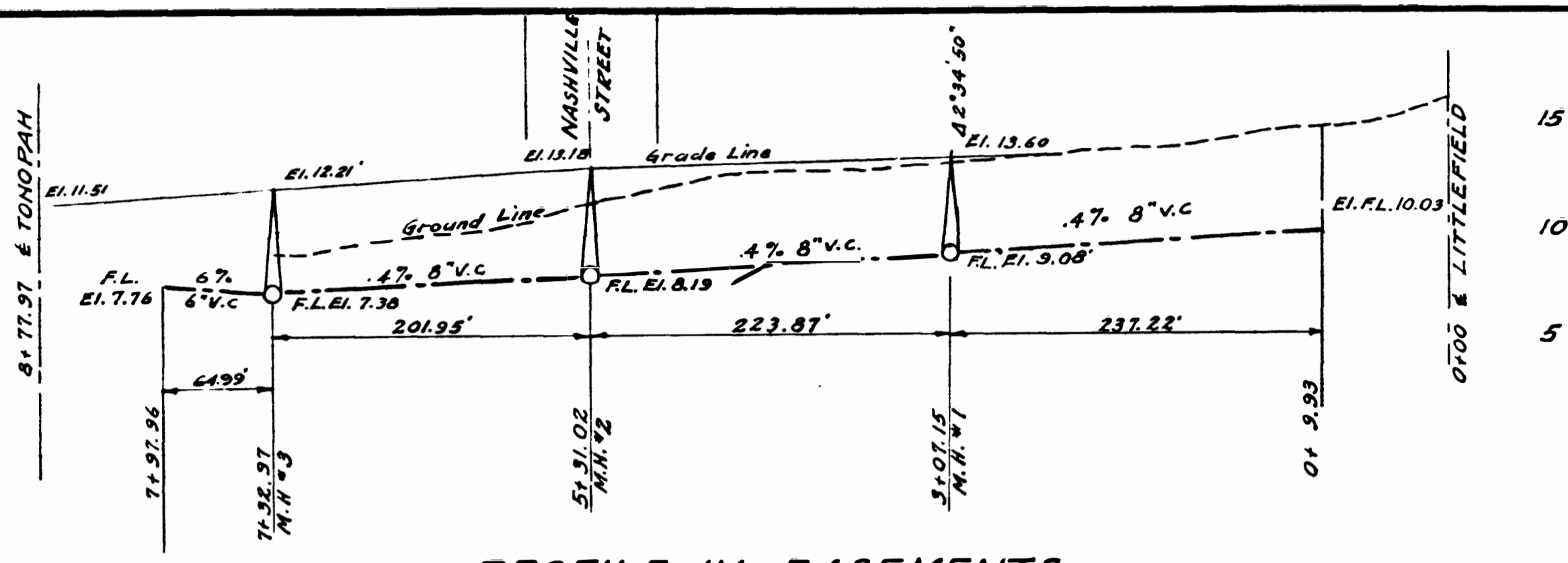


Bench Mark is a cut square in Curb
N.W. Corner of Littlefield & Erie
Elev. 58.88

PRIVATE CONTRACT
ENGINEER OF WORK *E. J. ...* R.E.32

WATER DEPARTMENT SEWER DEPARTMENT DRAINAGE FIELD CHECK OFFICE CHECK PLANNING COMMISSION GRADERS	SHEET 9	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	16 SHEETS
	PLANS FOR THE IMPROVEMENTS OF FRANKFORT STREET, ASHER STREET, GALVESTON STREET, BERVY STREET, NASHVILLE STREET AND PORTIONS OF KNOXVILLE & LITTLEFIELD STS & TONOPAH AVE AND EASEMENTS IN HAZARD TRACT NO 1		
	APPROVED	<i>A.K. J...</i> CITY ENGINEER	DATE Jan 19, 1949
	DRAWN BY CHECKED BY FIELD BOOKS	CHANGED DATE	DRAWING NUMBER 7363

CONTRACTOR	HAZARD	INSPECTOR	WARDEL
DATE STARTED	10-29-48	REVISION	NONE
DATE COMPLETED	12-29-49	DATE	12-29-49 BY M.C.

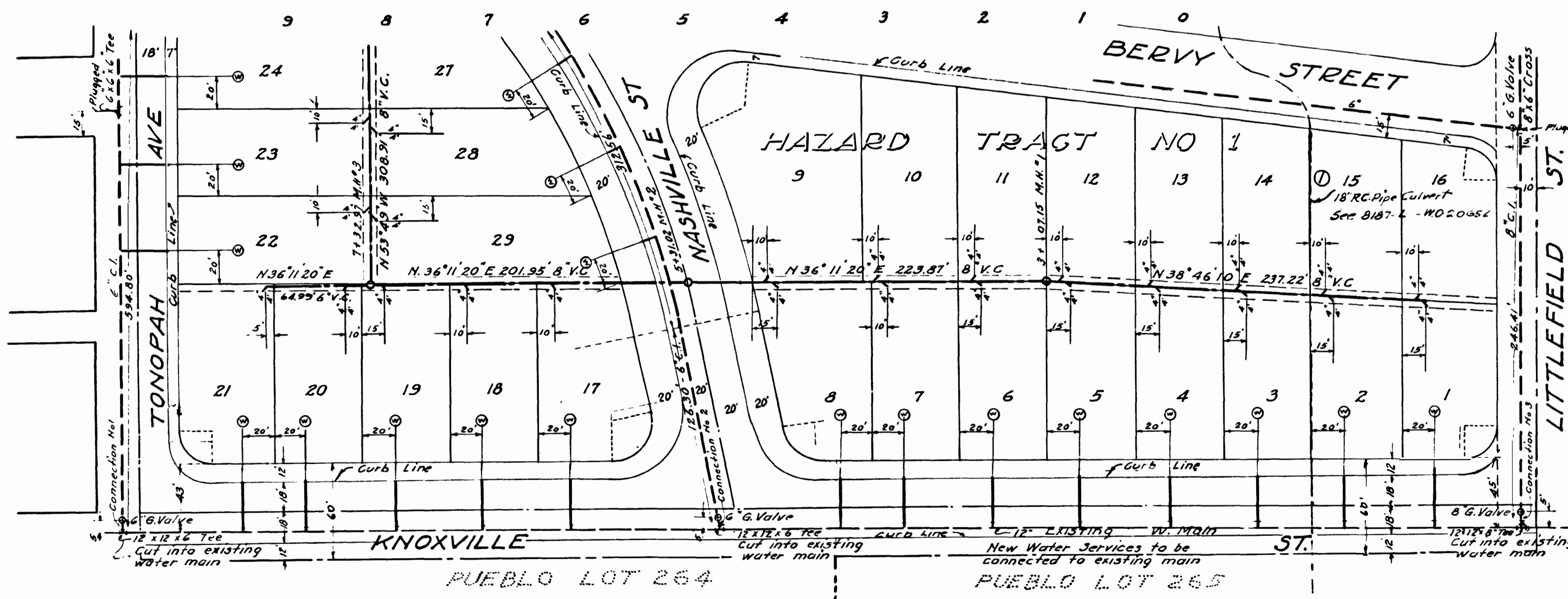
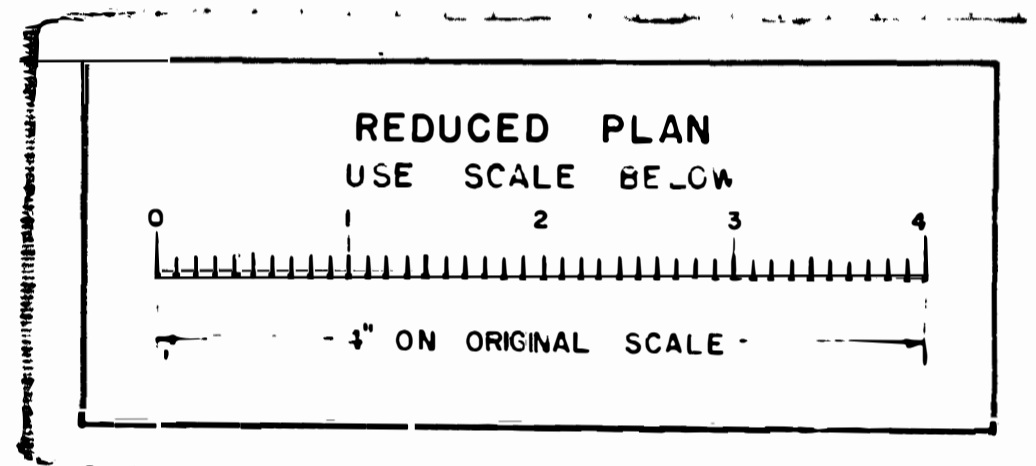


PROFILE IN EASEMENTS

Bench Mark is a cut square in Curb
N.W. Corner of Littlefield & Erie
Elev. 58.88



Scale H. 1" = 80'
V. 1" = 6'



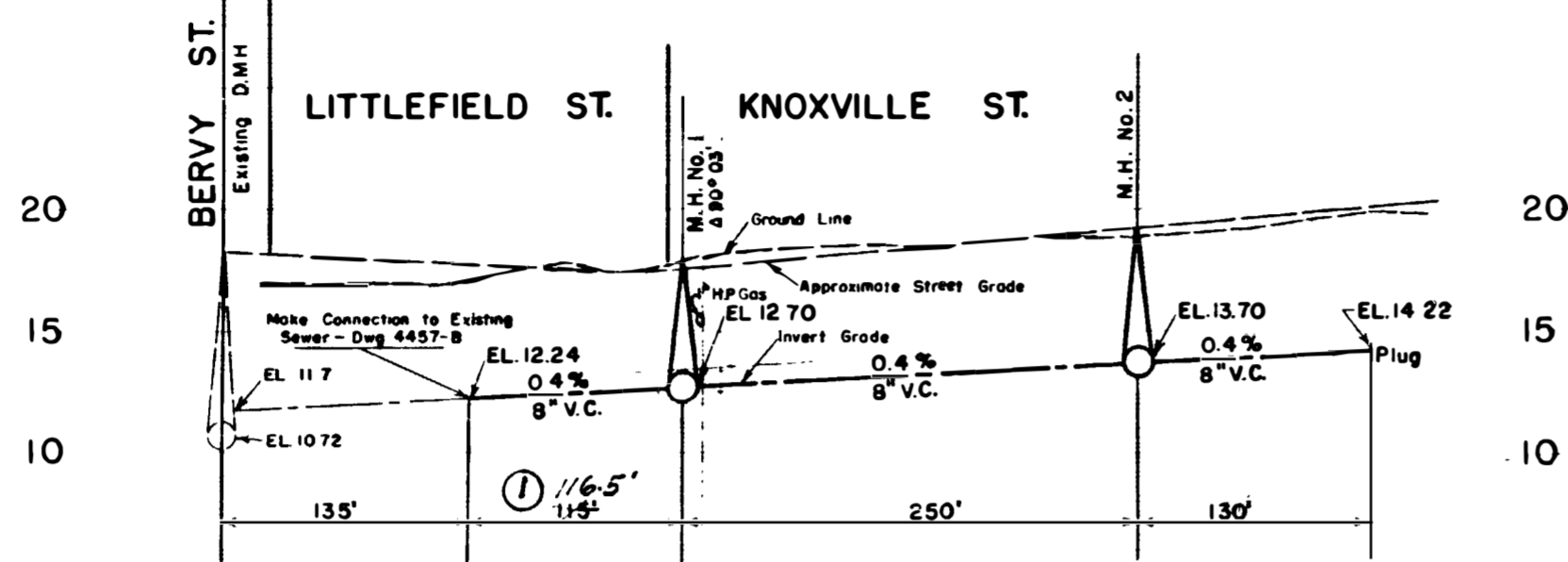
CITY DATUM
ADD 6119 FEET
TO CONVERT TO
MEAN SEA LEVEL

PRIVATE CONTRACT

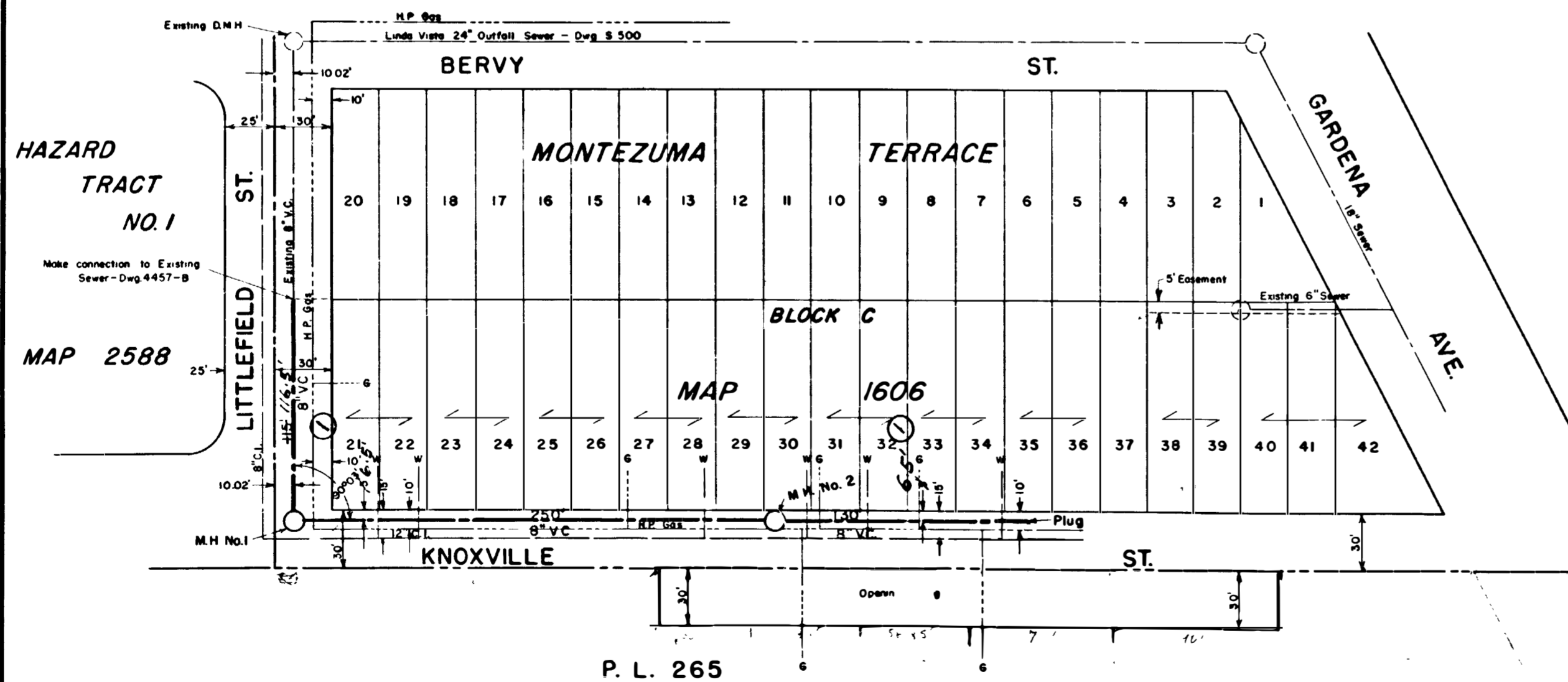
ENGINEER OF WORK *E. J. ...* RE. 32

WATER DEPARTMENT	SHEET 12	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	16 SHEETS
SEWER DEPARTMENT	PLANS FOR THE IMPROVEMENT OF FRANKFORT STREET, ASHER STREET, GALVESTON STREET, BERVY STREET, NASHVILLE STREET, AND PORTIONS OF KNOXVILLE & LITTLEFIELD STS & TONOPAH AVE AND EASEMENTS IN HAZARD TRACT NO. 1		
DRAINAGE	APPROVED	<i>A. K. ...</i> CITY MANAGER	DATE Jan 19, 1949 SCALE Plan 1" = 60' Profile as shown
FIELD CHECK	DRAWN BY C.M.C.	CHECKED BY G.M.C.	DRAWING NUMBER 7366 L
PLANNING COMMISSION	CONSTRUCTION RECORD W O No 23079		
GRADES	CONTRACTOR HAZARD	SUPERVISOR WADDEL	DATE STARTED 10-24-48
	DATE COMPLETED 12-20-50	REVISIONS	DATE 12-29-50 BY M.P.O.

Bench Mark: S.W. Brass Plug corner
Littlefield St. & Bervy St.
EL. 18.80



PROFILE
Scale: Horizontal 1" = 80'
Vertical 1" = 6'

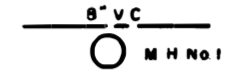


CITY DATUM
ADD ONE FOOT
TO CORNER TO
MEAN S.L.A. LEVEL

PLAT NO. 2405

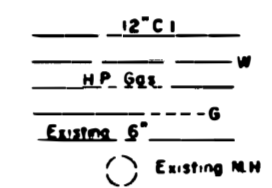
WORK TO BE DONE

The improvement consists of the following work to be done according to these plans and the specifications hereto attached:
The construction of vitrified clay pipe sewer main as shown thus
The construction of concrete manholes as shown thus.



LEGEND-EXISTING WORK

Water main
Water service connection
Gas main
Gas service connection
Sanitary sewer main
Manhole



NOTES

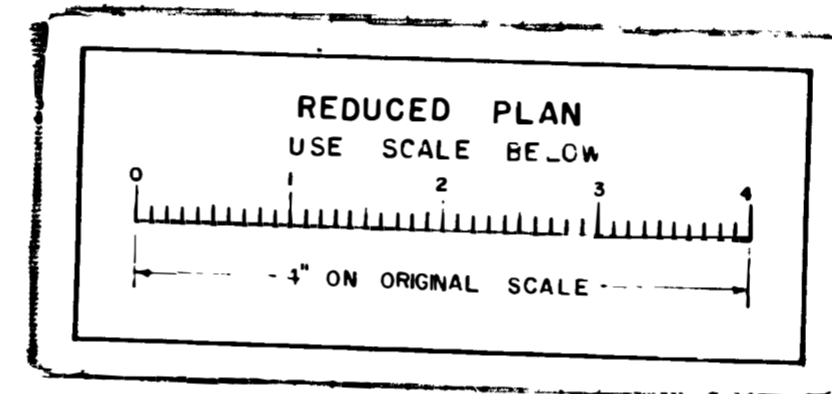
Property connected by brackets denotes one ownership

STANDARD DRAWINGS

107-SB, 108-SB

REFERENCE DRAWINGS

4457-B Existing Sewer Littlefield Street
500-S Linda Vista Outfall Sewer

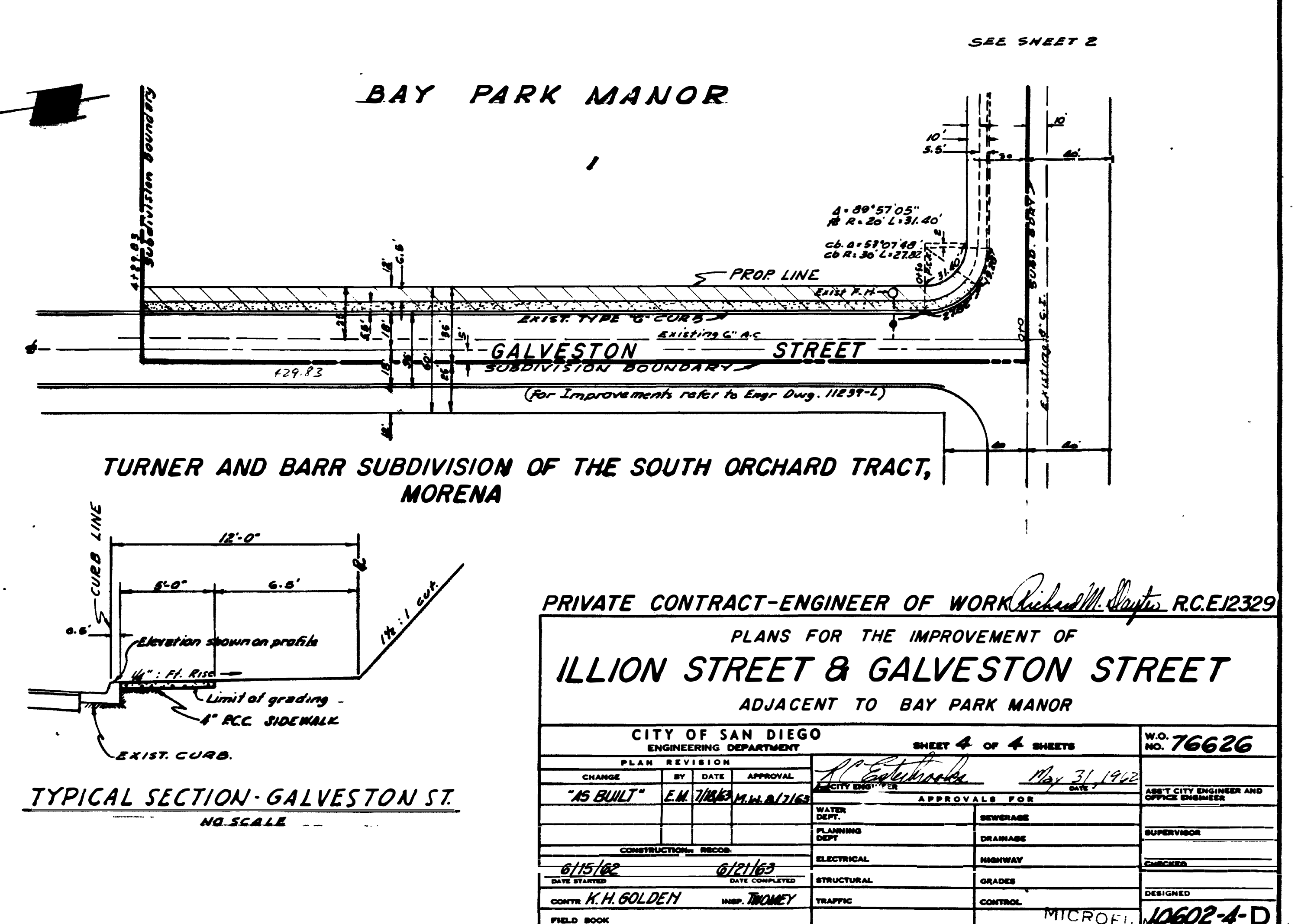
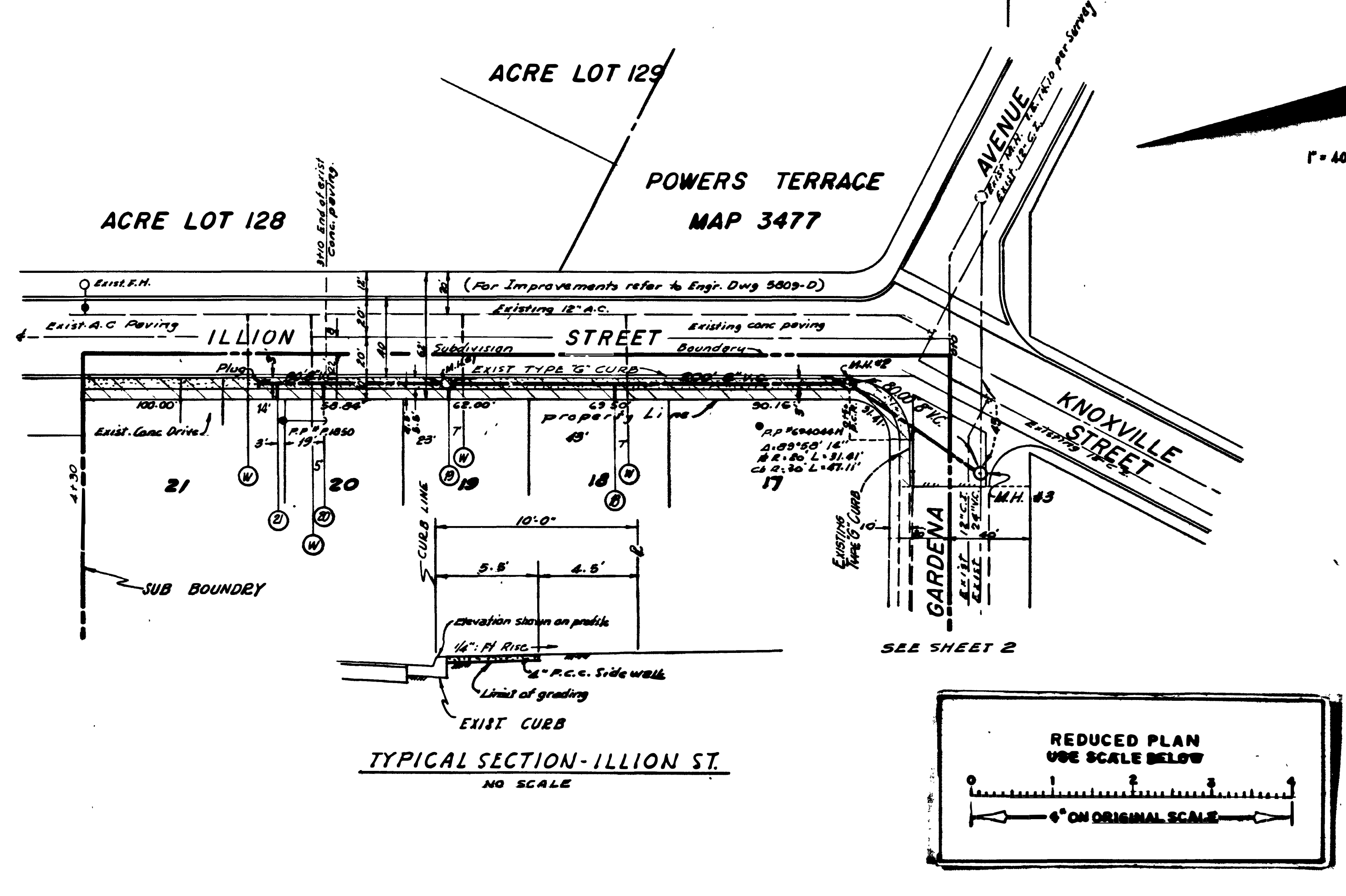
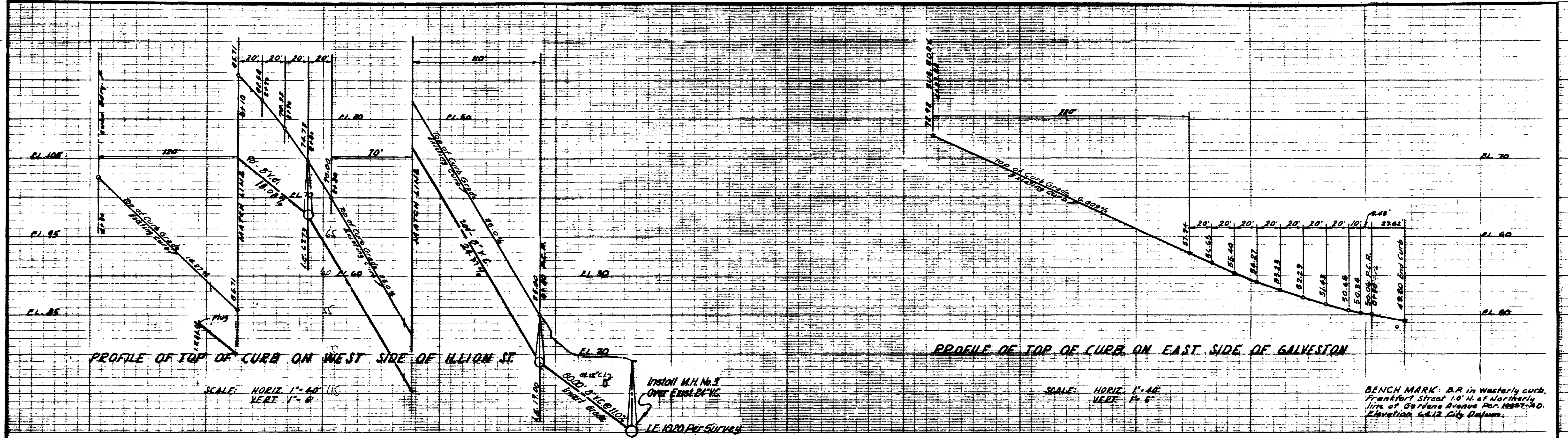


DESIGNED BY	DRYDEN
CHECKED BY	W. J. H. 12-17-53
FIELD BOOKS	

Sheet 1	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	1 Sheet
Plans for the construction of Sanitary Sewers in Littlefield Street between the southeasterly prolongation of the northeasterly line of Lot 21, Block C, Montezuma Terrace and the southeasterly prolongation of the southeasterly line of Lot 21 and Knoxville Street, and the southeasterly prolongation of the northeasterly line of Lot 36, Block C, Montezuma Terrace		
APPROVED	<i>AK. Foy</i>	DATE 4/24/53
CITY ADDRESS		SCALE 1" = 50'
DESIGNED BY	H. Mills	DRAWING NUMBER
CHECKED BY	W. J. H. 12-17-53	10197-L

CONTRACTOR	RECORD	W. O. No. 32245
Peterson	Sturak	
DATE STARTED	9-23-53	
DATE COMPLETED	2-29-53	

2115A 3 10197-REF

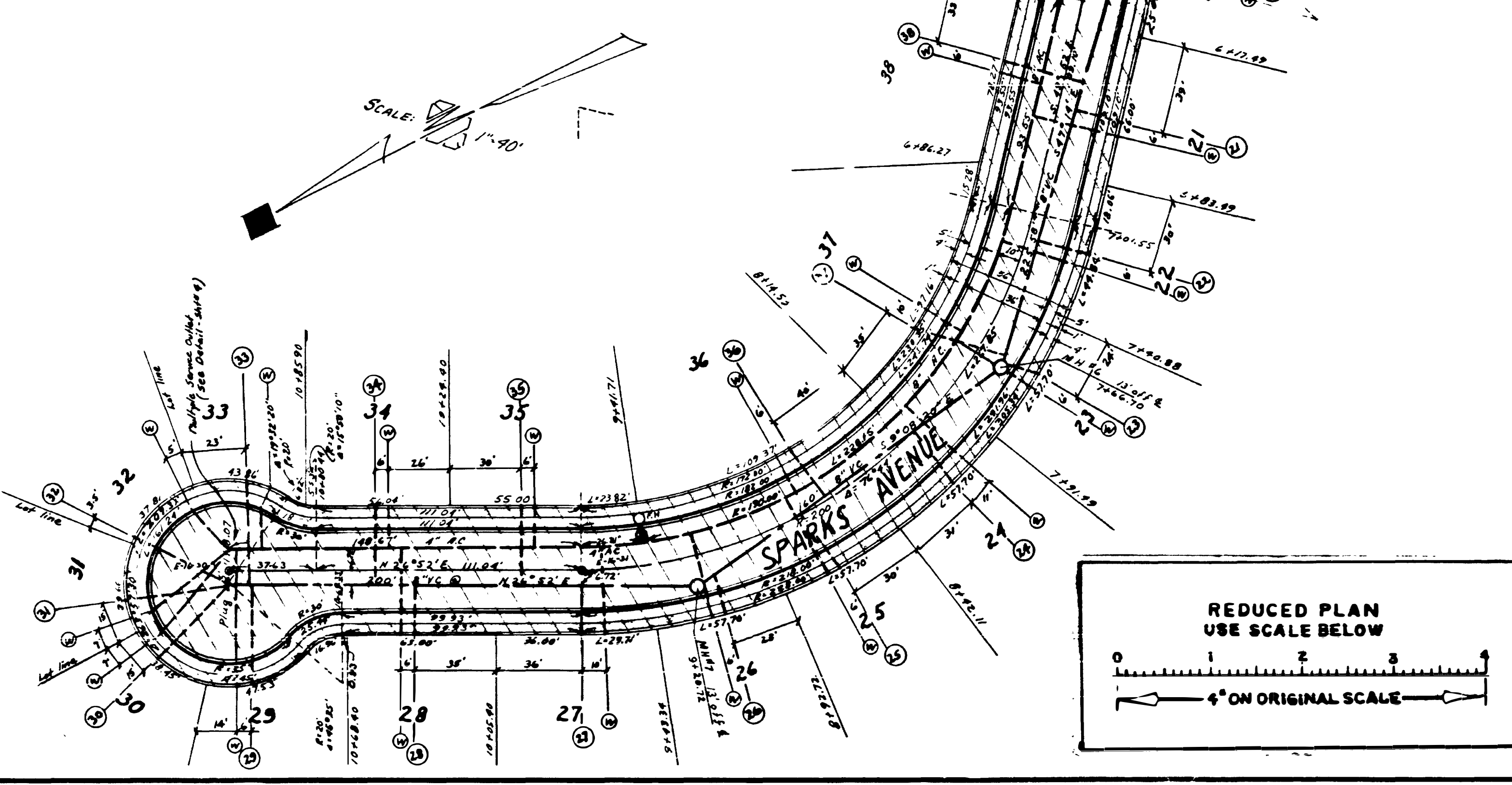
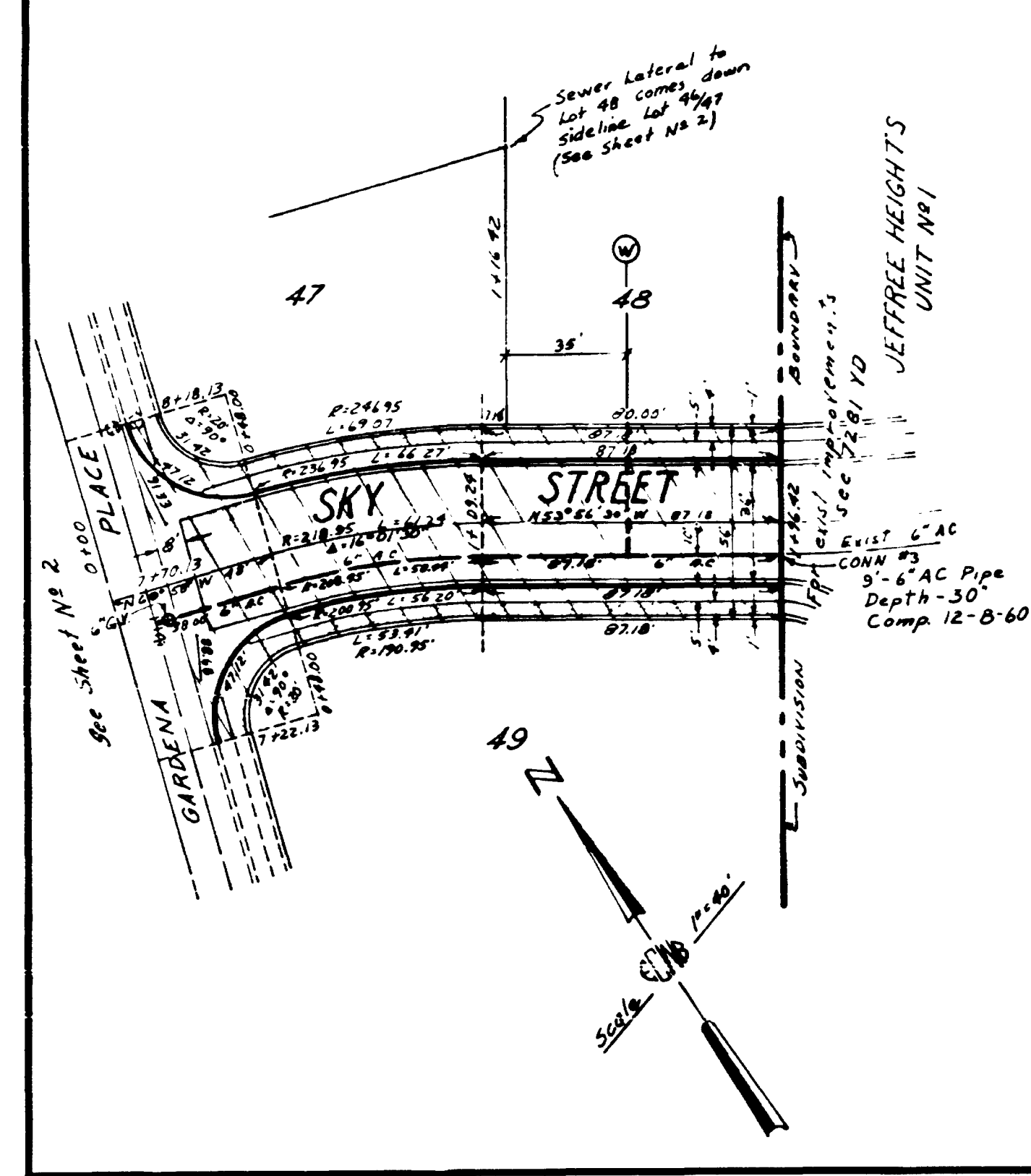
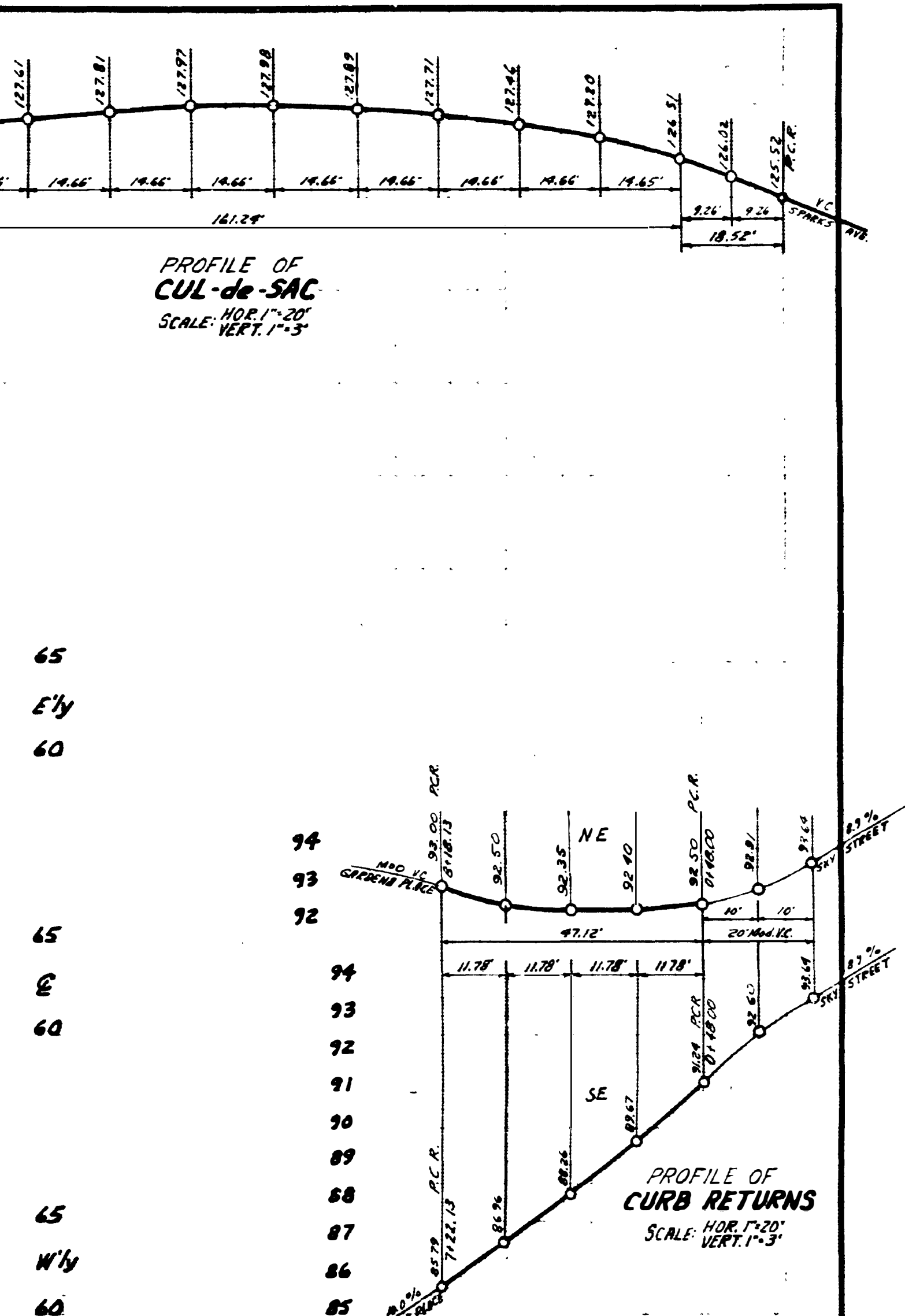
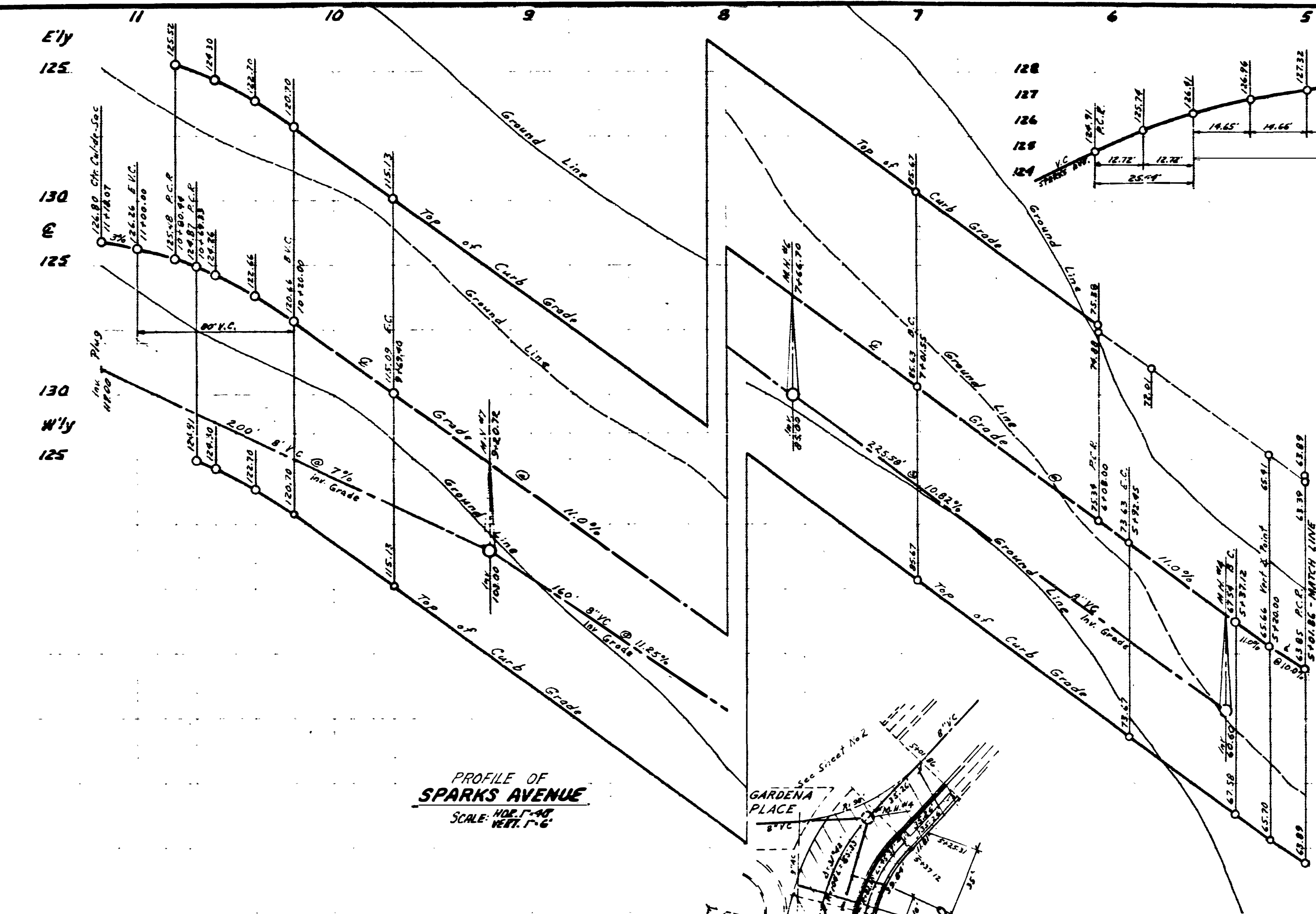
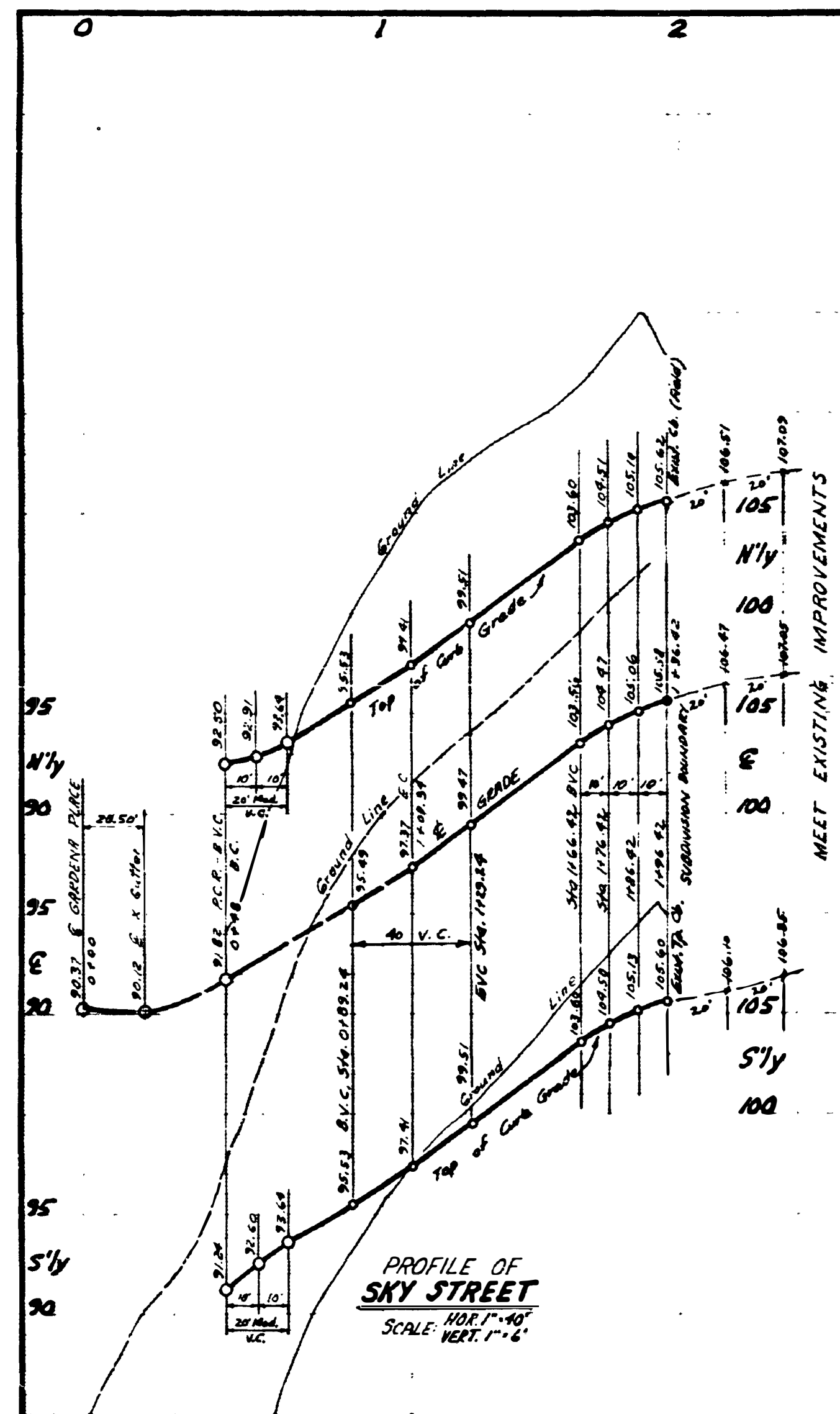


PRIVATE CONTRACT-ENGINEER OF WORK *Richard M. Dwyer* R.C.E.12329

PLANS FOR THE IMPROVEMENT OF
ILLION STREET & GALVESTON STREET
ADJACENT TO BAY PARK MANOR

CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 4 OF 4 SHEETS	W.O. NO. 76626
PLAN REVISION	DATE	APPROVAL	DATE
CHANGE	BY	DATE	APPROVAL
"AS BUILT"	E.M. 7/16/63	M.M. 8/1/63	May 31 1962
CONSTRUCTION RECORD		APPROVALS FOR	
WATER DEPT.	SEWERAGE	PLANNING DEPT.	DRAINAGE
ELECTRICAL	HIGHWAY	STRUCTURAL	GRADES
TRAFFIC	CONTROL	DESIGNED	
DATE STARTED: 6/15/62	DATE COMPLETED: 6/21/63	CONTR: A. H. GOLDEN	INSPECTION: H. W. TRUENY
FIELD BOOK			MICROFILM: 10602-A-D

AS BUILT SEP 19 1963



PLANS FOR THE IMPROVEMENT OF:
SPARKS AVENUE, SKY STREET,
 all in TERRA TERRACE

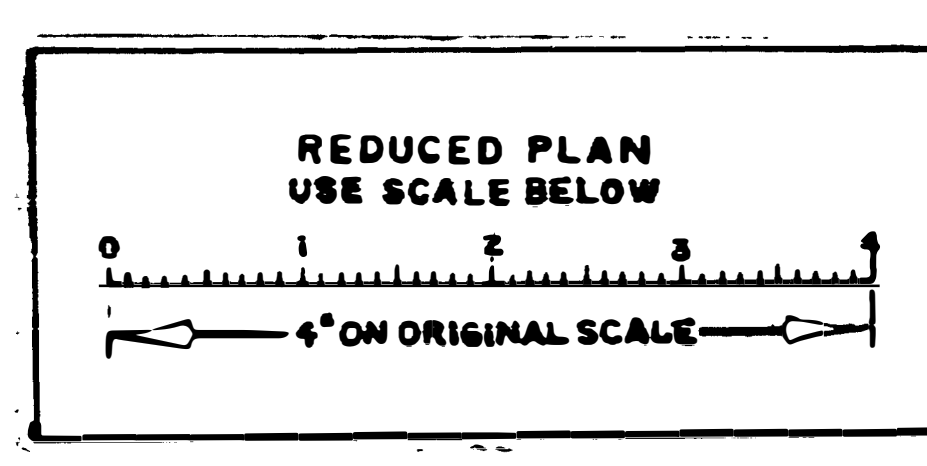
PRIVATE CONTRACT

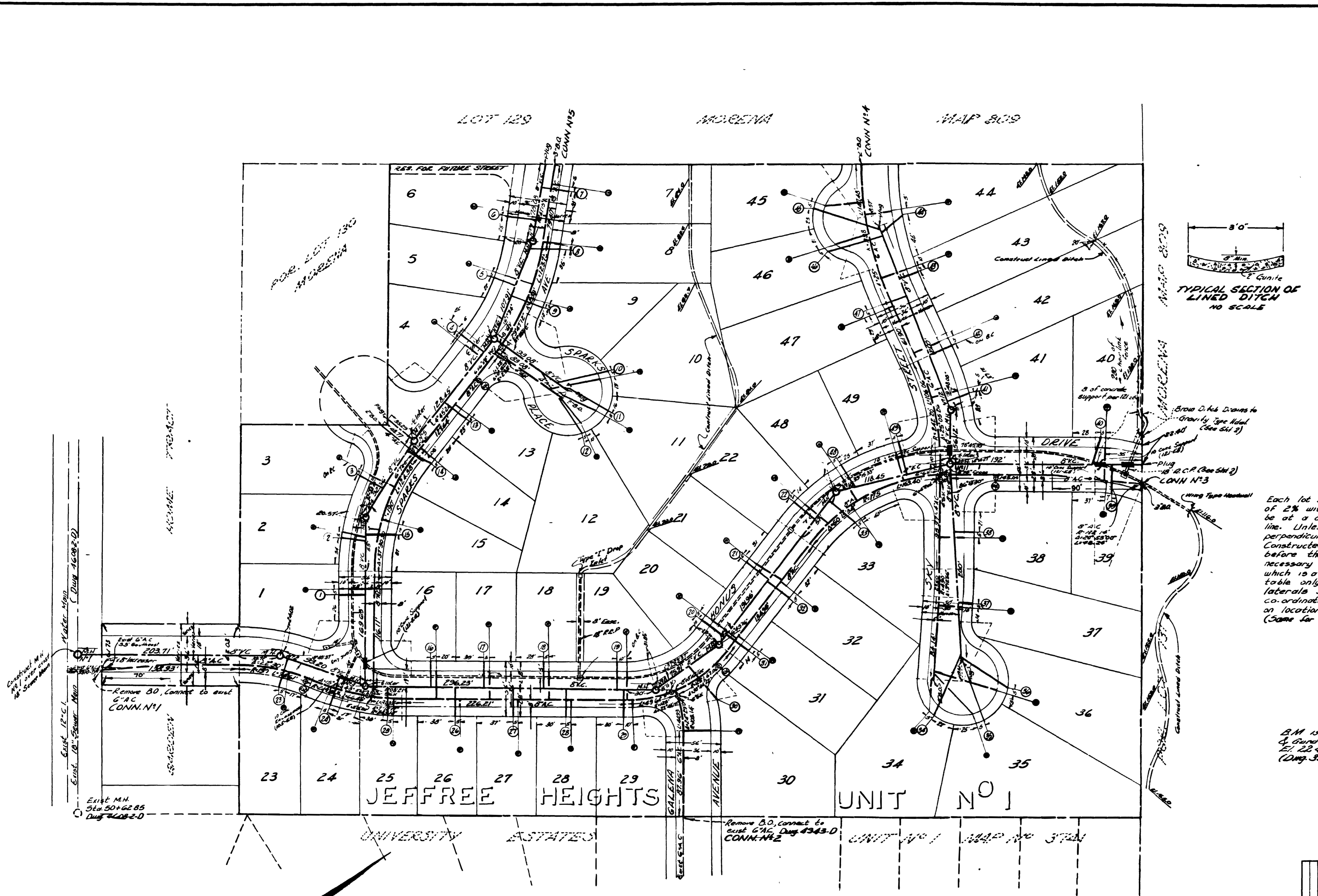
ENGINEER OF WORK: *Edwards Engineering Inc.* R.C.E. NO. 9236 DATE: 10-22-59
 H. L. EDWARDS ENGINEERING INC. 4379 30TH STREET SAN DIEGO CALIFORNIA 92116

CITY OF SAN DIEGO
 ENGINEERING DEPARTMENT SHEET 3 OF 4 SHEETS W.O. NO. 74189

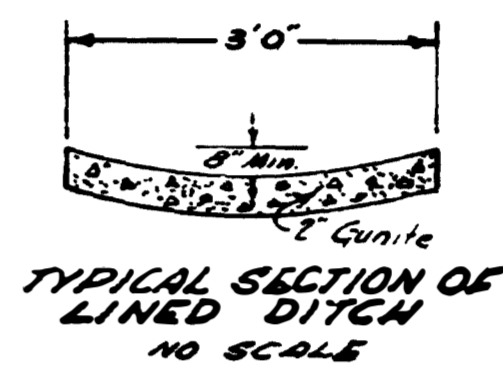
PLAN REVISION				APPROVAL FOR	
CHANGE	BY	DATE	APPROVAL	DATE	
"As-Built"	D.S.	3/6/62	<i>E. J. [Signature]</i>	11/3/60	ASST. CITY ENGINEER AND OFFICE ENGINEER
CONSTRUCTION RECORD			CHECKED		
SAVE PRINTED	Aug 23, 1960	Feb 1, 1962	DATE COMPLETED	SUPERVISOR	
CONTR. BY	R. E. Andrews	San Diego	INSUP. PAID	DESIGNED	
FIELD BOOK				CONTROL	

8561 D





Lot No	Invert Elev. at Man	Drop to Main	Length (feet)	Curb Elev.	Invert Elev. at RL	Invert Depth at Curb	Remarks
1	36.5	0.3	2.8	42.6	37.6	5.0	
2	37.7		2.5	44.8	39.8		
3	39.0		2.9	47.1	42.1		
4	41.8		2.8	51.5	46.5		
5	46.1		2.4	53.6	48.6		
6	46.9		2.8	55.7	50.7		
7	47.3			55.9	50.9		
8	46.0		3.8	54.9	49.9		
9	46.0		3.5	54.4	49.4		
10	46.1		5.2	53.2	48.2		
11	46.2		5.0	53.5	48.3		
12	46.2		6.4	53.0	48.0		
13	42.3		2.8	50.2	45.2		
14	40.1		3.5	48.6	43.6		
15	38.1		3.5	45.2	40.2		
16	39.6		2.8	45.9	40.9		
17	44.0			50.3	45.3		
18	43.7			51.7	46.7		
19	43.8			51.7	46.7		
20	44.1			51.4	46.4		
21	71.8		2.8	78.8	73.8		
22	71.1		2.8	85.9	80.9		
23	71.8		3.0	83.9	78.9		
24	32.7			39.9	34.9		
25	36.3		2.8	42.7	37.7		
26	40.9			46.8	41.8		
27	45.7			52.8	47.5		
28	53.3			58.4	57.4		
29	54.6		2.8	61.5	54.5	5.0	
30	60.5		4.5	66.3	61.9	4.3	
31	65.1		2.8	72.4	67.4	5.0	
32	72.2			78.9	75.9		
33	82.9		3.5	89.8	84.8		
34	107.1		4.2	108.6	103.6		
35	107.3		6.7	109.0	104.0		
36	102.7		4.8	103.5	103.5		
37	100.0		1.5	107.5	102.5		
38	91.9		2.0	104.6	99.6		
39	103.8		2.8	115.0	110.0		
40	102.5			114.7	109.7		
41	96.4		2.3	104.3	99.3		
42	97.5		8.5	104.8	99.8		
43	97.7		8.1	105.7	100.7		
44	100.1		2.6	107.0	102.0		
45	100.2		4.6	107.0	102.0		
46	99.9		5.0	106.5	101.5		
47	98.7		3.0	105.7	102.7		
48	95.1		3.4	91.4	86.4		
49	99.4	0.3	3.4	96.5	91.5	5.0	

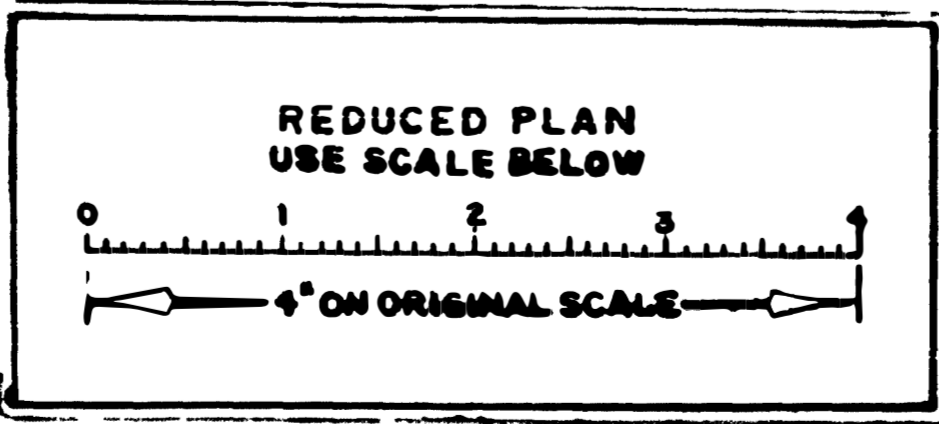


SEWER NOTE

Each lot shall receive a 4" VC sewer lateral set at a minimum grade of 2% with a minimum of 0.3 drop to the main, and the invert shall be at a depth of 5' below the top of curb elevation at property line. Unless otherwise noted, the location shall be constructed perpendicular to the sewer main and as constructed locations shall be shown on these plans in red ink. Before the project will be accepted by the City Engineer, the necessary lateral data shall also be placed on the lateral table which is a part of the plans. This method of recording lateral table only applies to lots fully improved with houses. All sewer laterals shall be built to property line. Engineer of Work shall co-ordinate and furnish on demand to Sewer Division information on location of each and every lateral in the subdivision. (Same for Water Services)

BM is concrete manhole @ Ilan Street & Gaudana Avenue. E. 22 49 (Dig 330-D)

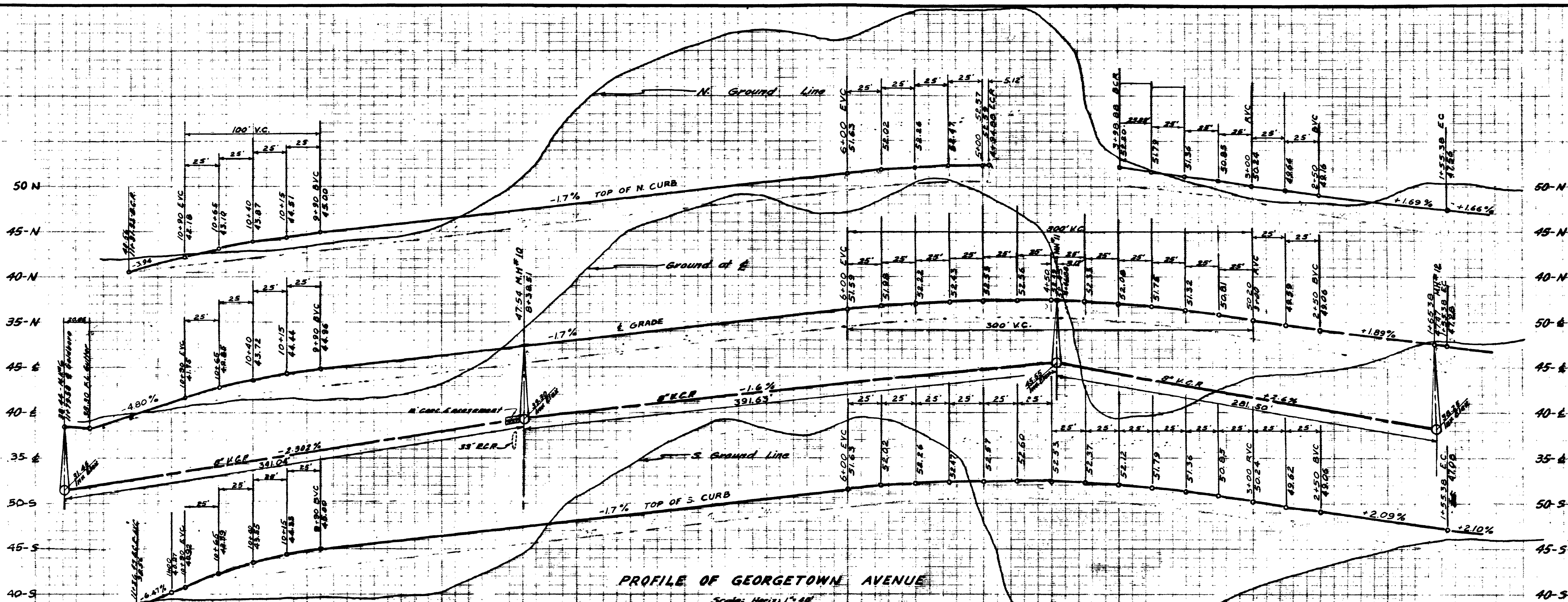
Scale 1"=50'



Engineer of Work *Bull. P. Nelson* P.E. 1534
 BY *D. O'HELD* MUNICIPAL ENGINEERS INC.
 434 Land Title Bldg. BE-9-6131
 San Diego, Calif. Job No 3766

See construction log

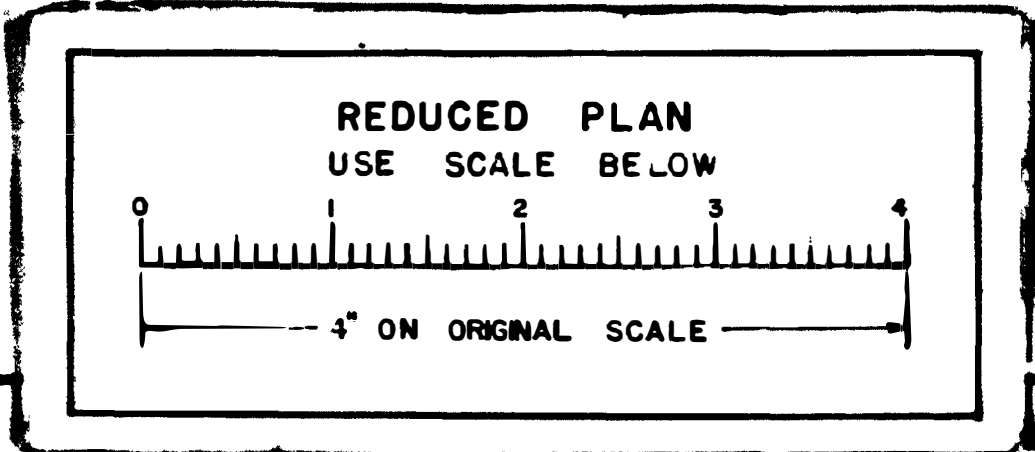
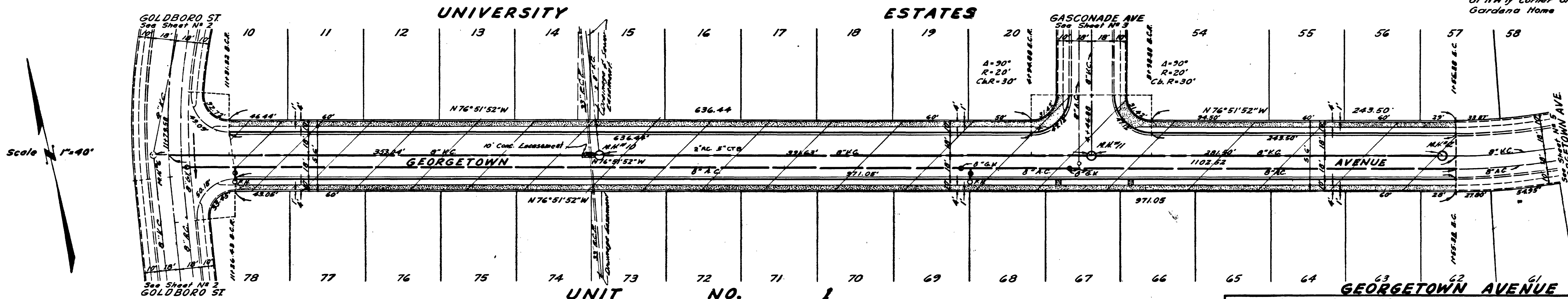
PRIVATE CONTRACT	
Sheet 5	CITY OF SAN DIEGO ENGINEERING DEPARTMENT
PLANS FOR THE IMPROVEMENT OF JEFFREE HEIGHTS UNIT NO 1	
APPROVED: <i>E. F. Johnson</i>	DATE: 6/1/57
CITY ENGINEER	SCALE: AS SHOWN
DESIGNED BY: MORLAN	DRAWING NUMBER: 7282-D
CHECKED BY: MICHAEL	
CONTRACTOR: S. J. HARRIS CO.	INSPECTOR: NELSON
DATE STARTED: 7-1-59	DATE COMPLETED: 8-24-60



PROFILE OF GEORGETOWN AVENUE

Scale: Horiz. 1"=40'
Vert. 1"=4'

Bench Mark: Top of concrete monument
at NW corner of lot #20,
Gardena Home Tract, Map 1370

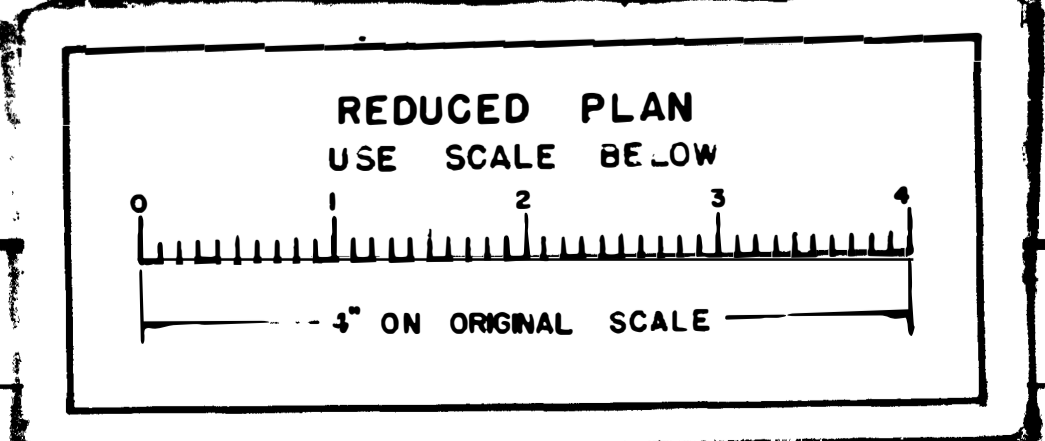
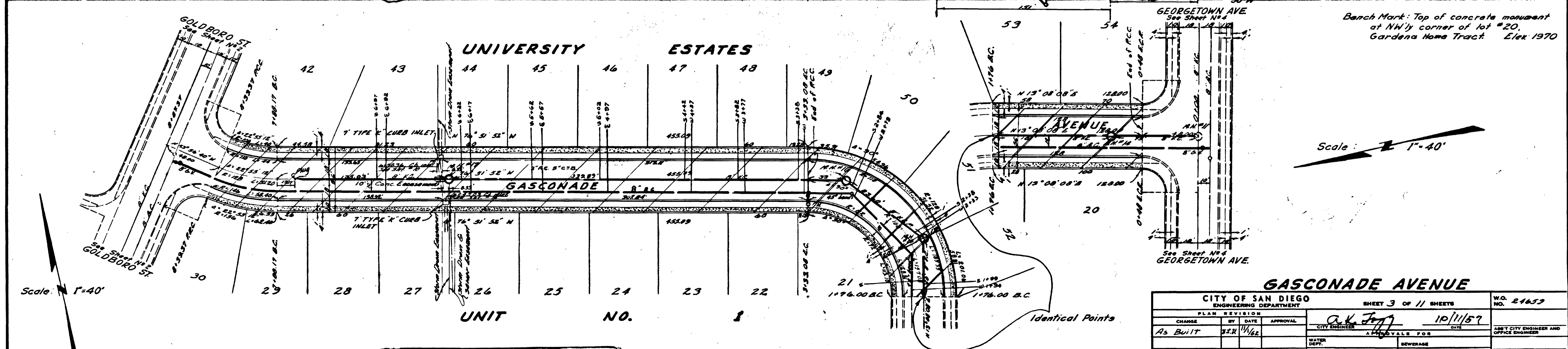
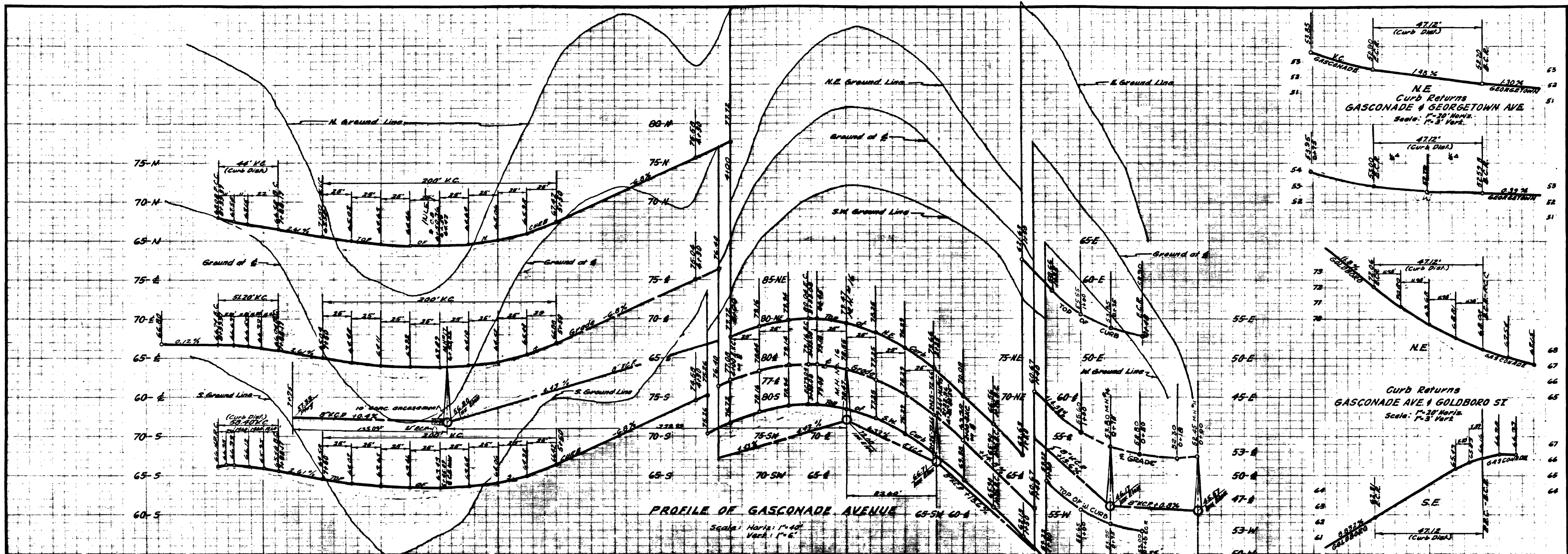


PRIVATE CONTRACTOR
ENGINEER OF WORK

RE 8793

CITY OF SAN DIEGO ENGINEERING DEPARTMENT				SHEET 4 OF 11 SHEETS		NO. 24659
PLAN REVISION	BY	DATE	APPROVAL			
As Built	24	11-62	<i>Al Jozz</i>	10/1/57	CITY ENGINEER AND OFFICE ENGINEER	
CONSTRUCTION RECORD				APPROVALS FOR		
12-26-57	4-6-61			WATER DEPT.	SEWERAGE	SUPERVISOR
DATE COMPLETED				PLANNING DEPT.	DRAINAGE	CHECKED
CONTR. S. J. Harris				ELECTRICAL	HIGHWAY	DESIGNED
FIELD BOOK 1709-222				STRUCTURAL	GRADES	
				TRAFFIC	CONTROL	
				4940-D		

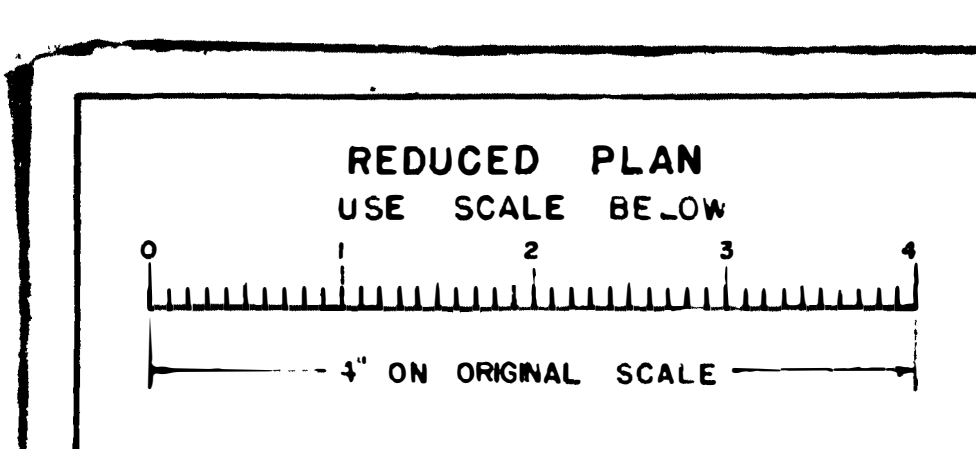
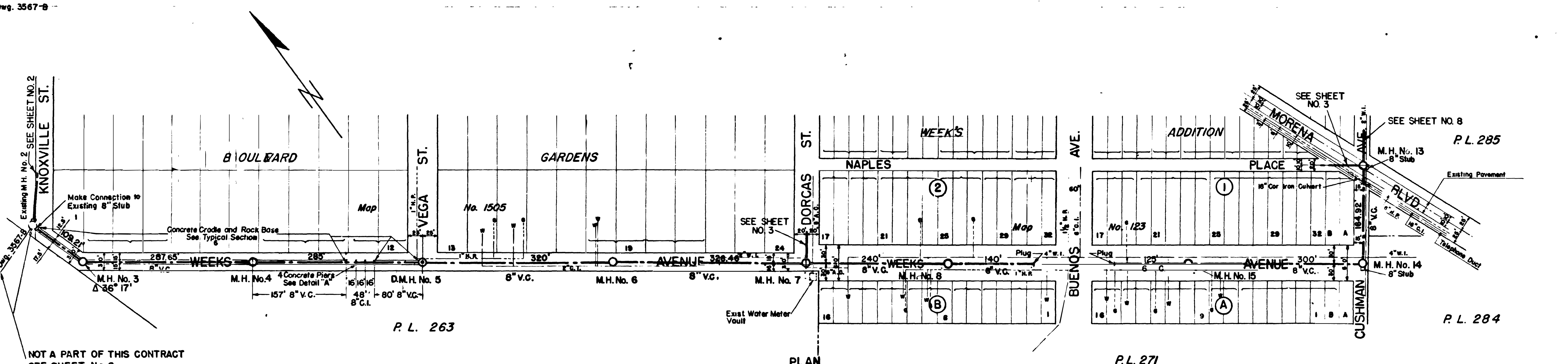
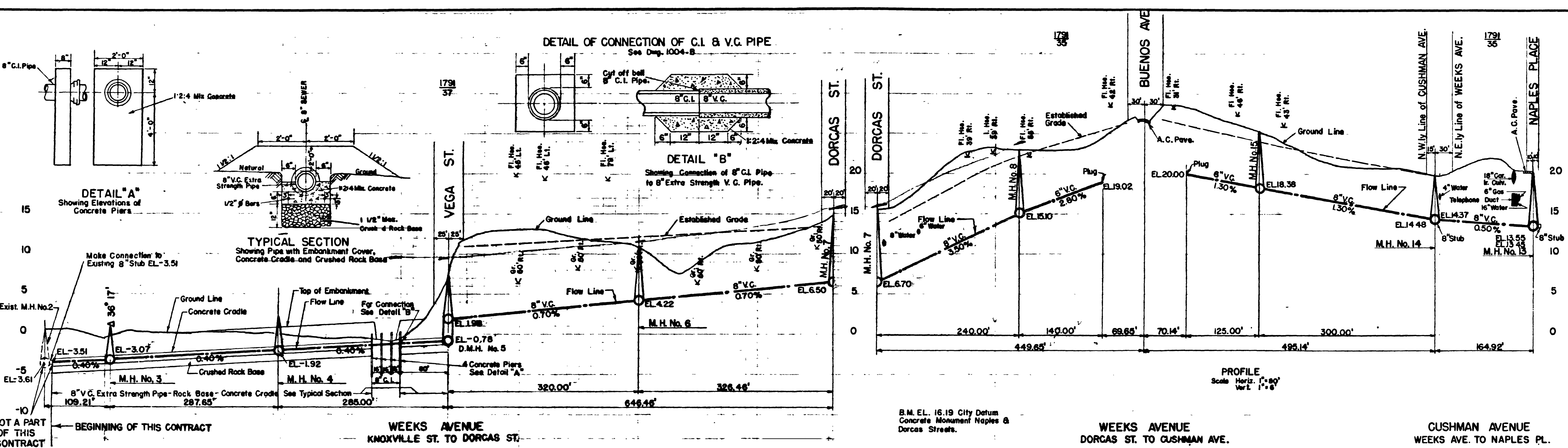
MICROFILMED
MAY 31 1963



PRIVATE CONTRACT
 ENGINEER OF WORK *[Signature]* RE8793

CITY OF SAN DIEGO ENGINEERING DEPARTMENT			SHEET 3 OF 11 SHEETS		W.O. NO. 21653
PLAN REVISION	BY	DATE	APPROVAL	DATE	
As Built	S.J.H.	11/1/62	<i>[Signature]</i>	10/11/57	
CONSTRUCTION RECORD			APPROVALS FOR		
12-26-57	4-6-61		WATER DEPT.	SEWERAGE	ASST. CITY ENGINEER AND OFFICE ENGINEER
DATE STARTED	DATE COMPLETED		PLANNING DEPT.	DRAINAGE	SUPERVISOR
CORTR. S. J. Harris	IMP. POLK		ELECTRICAL	HIGHWAY	CHECKED
FIELD BOOK 1709-222	E-16		STRUCTURAL	GRADES	DESIGNED
			TRAFFIC	CONTROL	4939-D

MICROFILMED INDEXED
 MAY 3 1963



WATER DEPARTMENT	ENGINEERING DEPARTMENT	DRAINAGE	FIELD CHECK	PLANNING COMMISSION	GRADE

SHEET 7 CITY OF SAN DIEGO ENGINEERING DEPARTMENT **13 SHEETS**

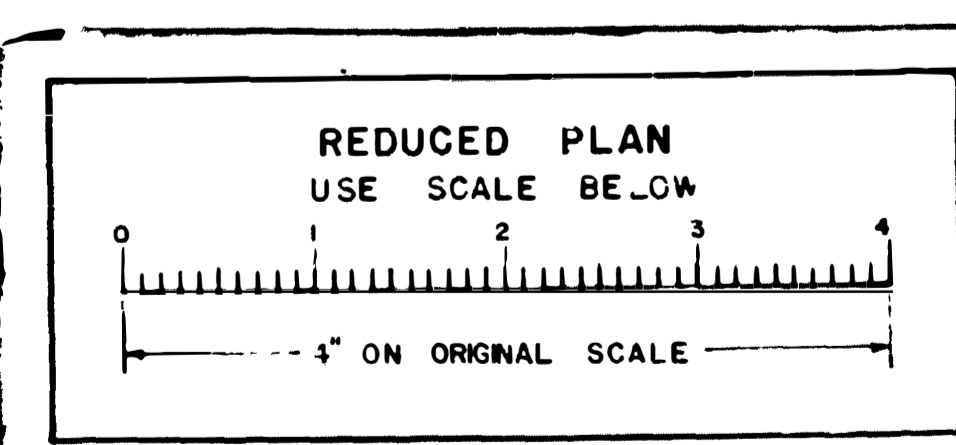
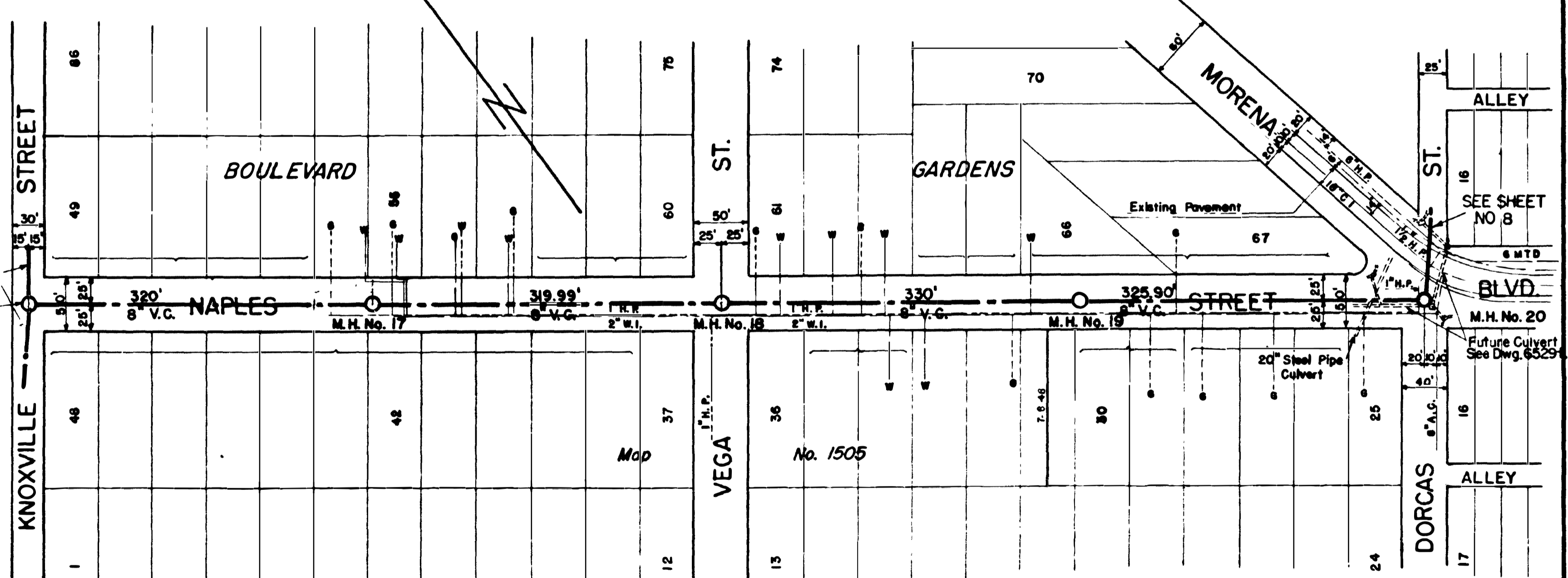
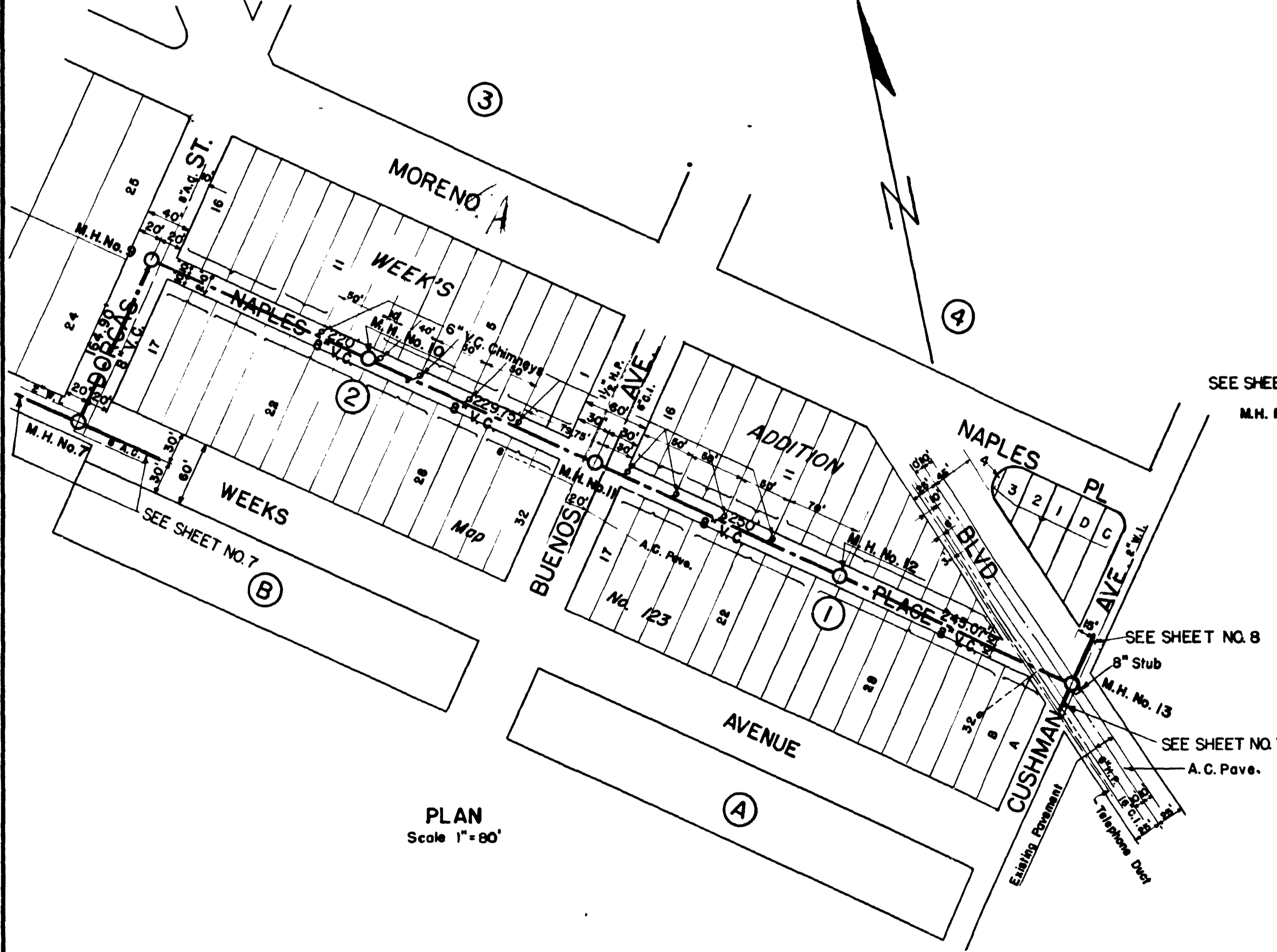
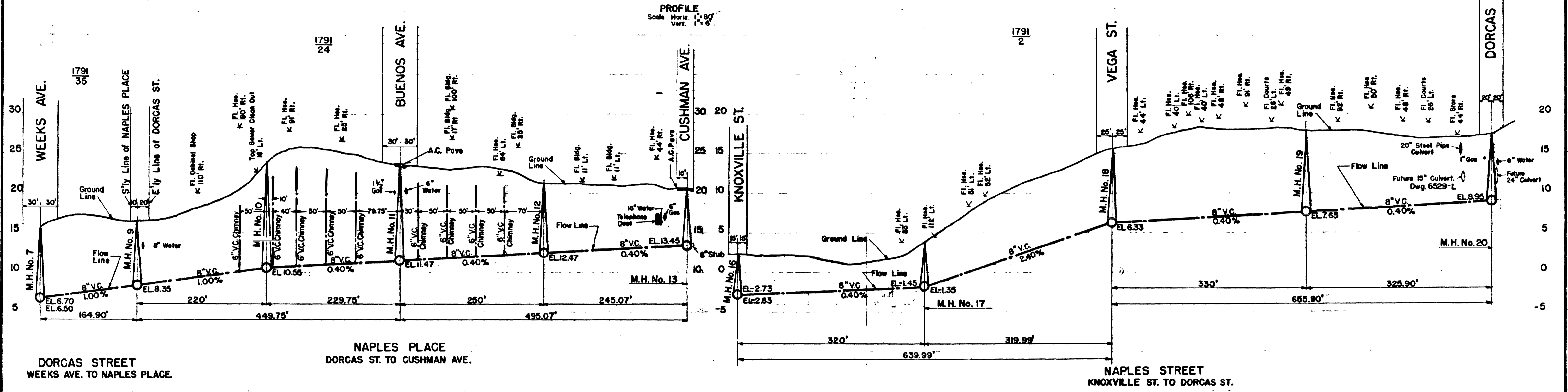
Plans for the construction of Sanitary Sewers in MORENA BLVD, PAUL ST., CUSHMAN AVE., WEEKS AVE., PLAINVIEW ROAD, ET AL.

APPROVED: *[Signature]* DATE: 11-10-48
AS SHOWN

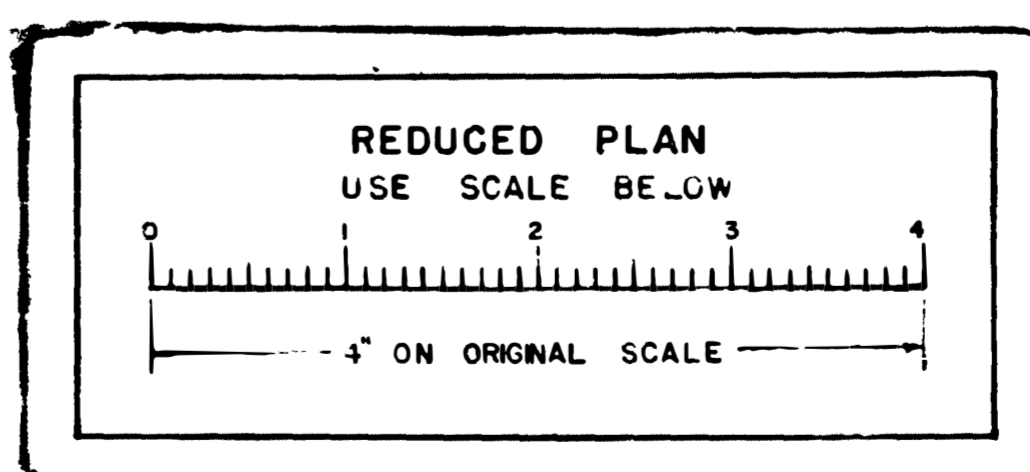
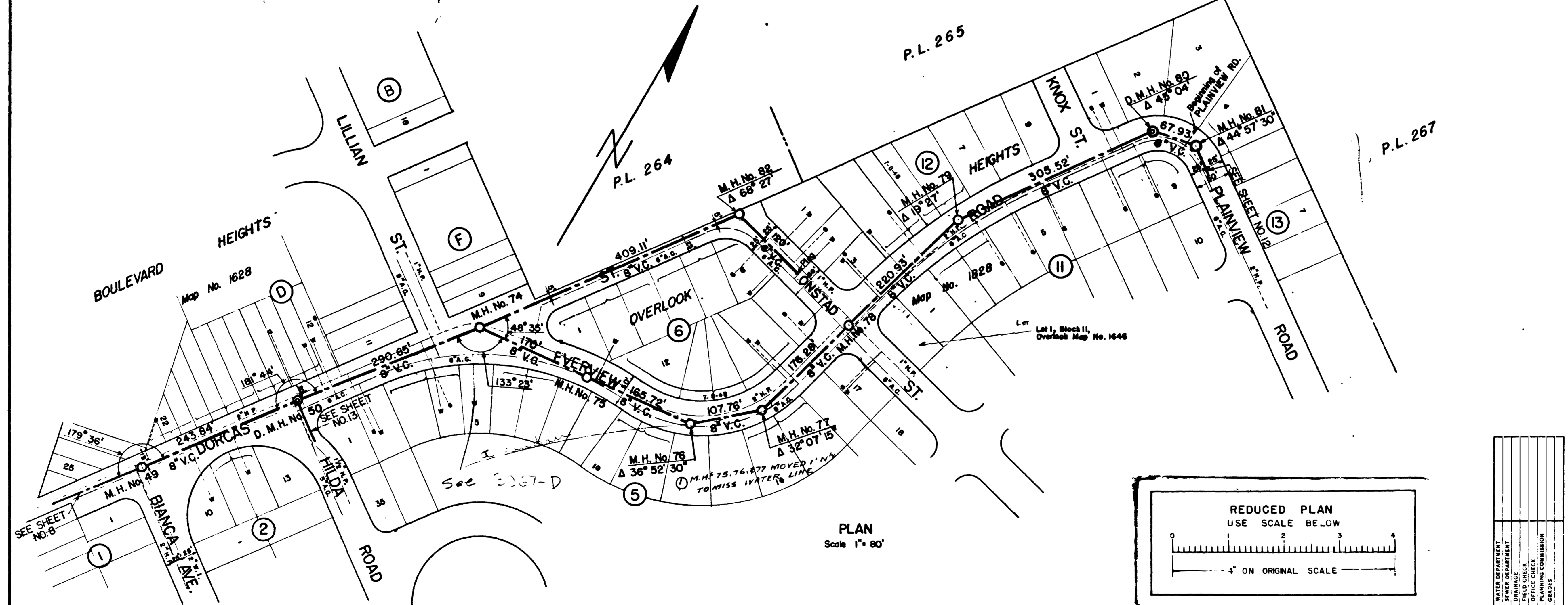
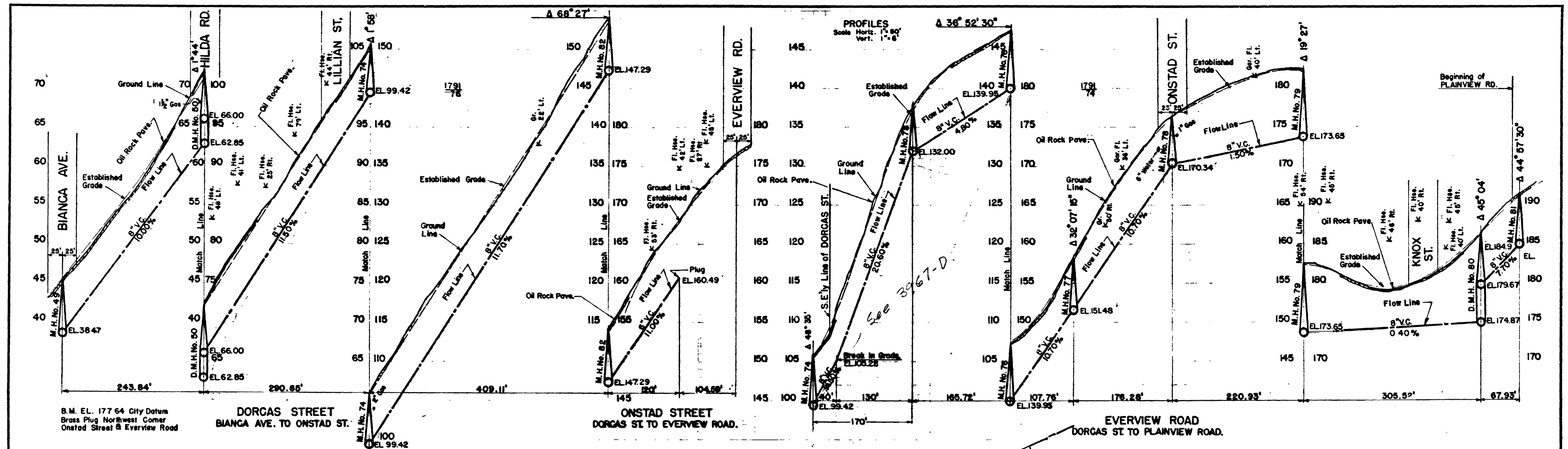
NAME: GILSON
DATE: 11-10-48
DRAWING NUMBER: 1346-D

CONSTRUCTION RECORD W.D. No. 31508
CONTRACTOR: BUTTERFIELD
DATE STARTED: 4-4-49
DATE COMPLETED: 8-31-49

B.M. EL. 16.19 City Datum
 Monument Southwest Corner
 Dorcas Street & Morena Blvd.

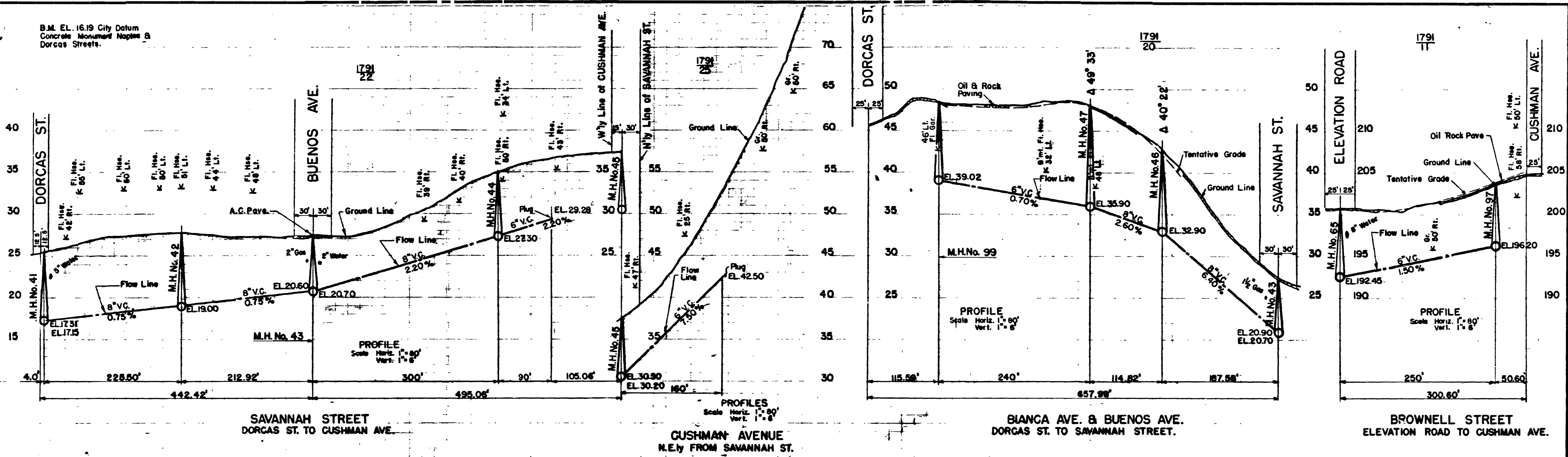


SHEET 3 CITY OF SAN DIEGO ENGINEERING DEPARTMENT		3 SHEETS
Plans for the construction of Sanitary SEWERS in MORENA BLVD., PAUL ST., CUSHMAN AVE., WEEKS AVE., PLAINVIEW ROAD, ET AL.		
APPROVED <i>[Signature]</i> CITY ENGINEER	DATE: 4/10/44 SCALE: AS SHOWN	DRAWING NO. 1342-D
DESIGNED BY: GILSON CHECKED BY: [Name] IN CHARGE OF FIELD WORK: 1781	CONTRACTOR: BUTTERFIELD DATE STARTED: 4-4-40 DATE COMPLETE: 8-3-40	RECORD: [Name] W. D. No. 31508



WATER DEPARTMENT	CITY OF SAN DIEGO	13 SHEETS
SEWER DEPARTMENT	ENGINEERING DEPARTMENT	
DESIGNED BY	Plans for the construction of Sanitary SEWERS in MORENA BLVD., PAUL ST., CUSHMAN AVE., WEEKS AVE., PLAINVIEW ROAD, ET AL.	
CHECKED BY	APPROVED	DATE: Sept. 10, 1948
OFFICE CHECK	CITY ENGINEER	SCALE: AS SHOWN
PLANNING COMMISSION	DATE: 10/1/48	DRAWING NUMBER: 1350-D
CONSTRUCTION RECORD	W. O. No. 34508	
CONTRACTOR: BUTTERFIELD	INSPECTOR: DAWBY	
DATE QUOTED: 4-1-50	REVISION: 1	DATE: 2-23-50
DATE COMPLETED: 8-3-50		

B.M. EL. 16.19 City Datum
Concrete Monument Naples B
Dorcas Streets.

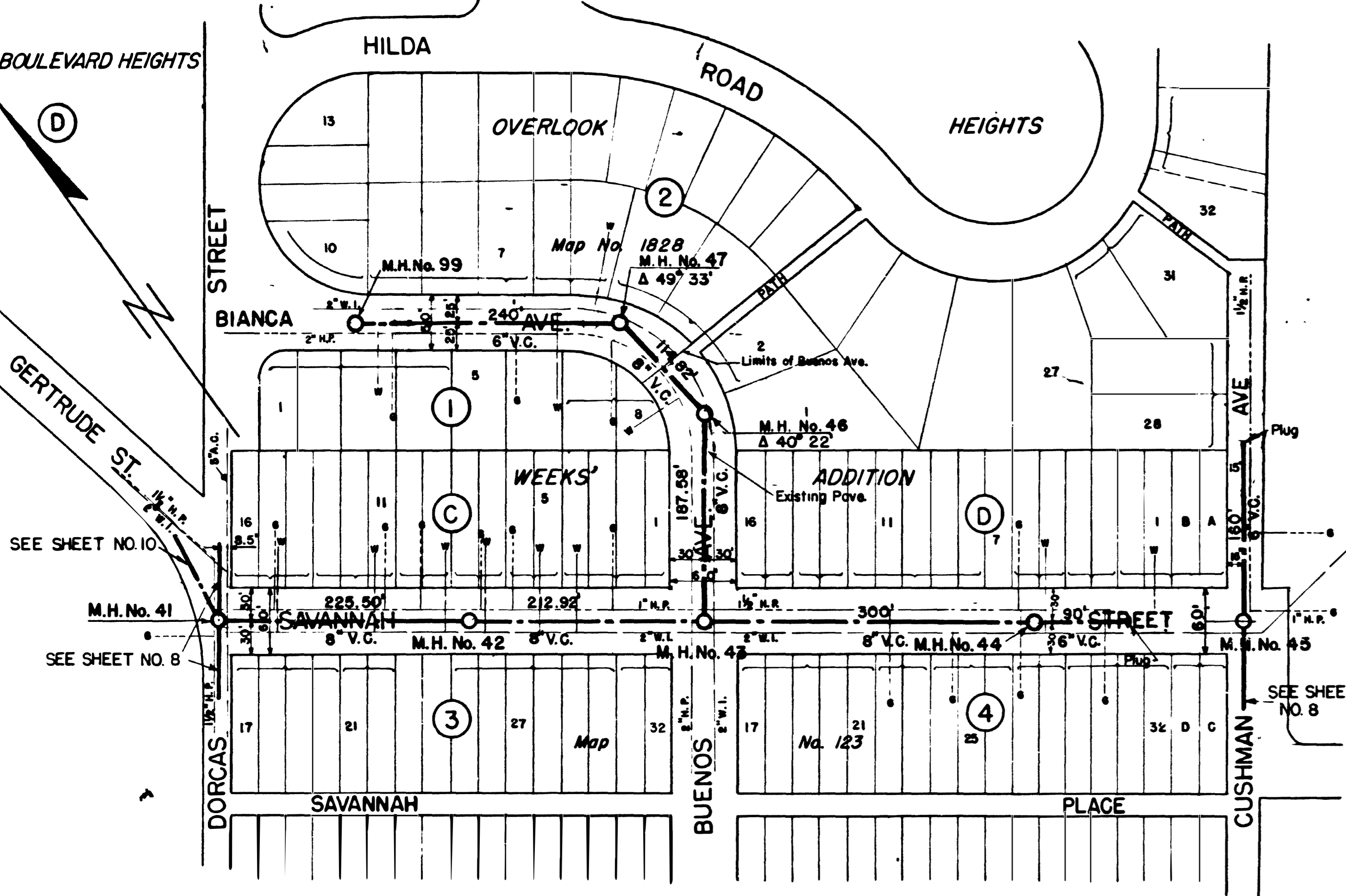


SAVANNAH STREET
DORCAS ST. TO CUSHMAN AVE.

CUSHMAN AVENUE
N.E. FROM SAVANNAH ST.

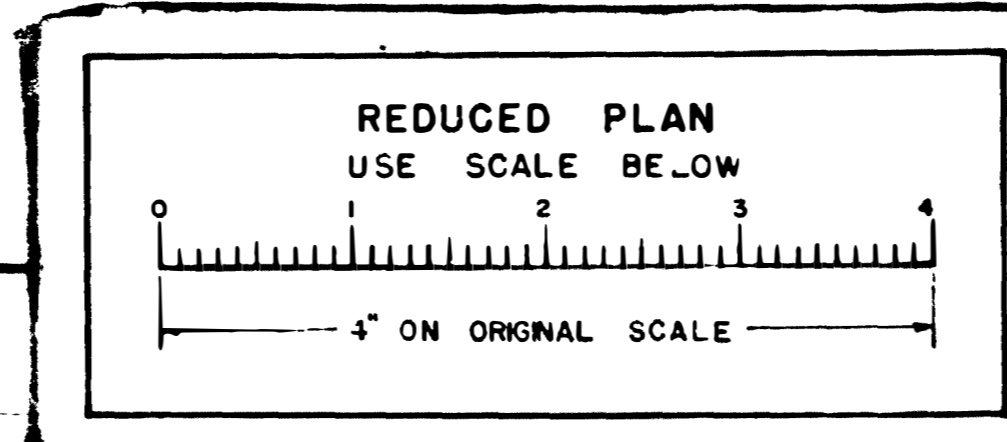
BIANCA AVE. & BUENOS AVE.
DORCAS ST. TO SAVANNAH STREET.

BROWNELL STREET
ELEVATION ROAD TO CUSHMAN AVE.



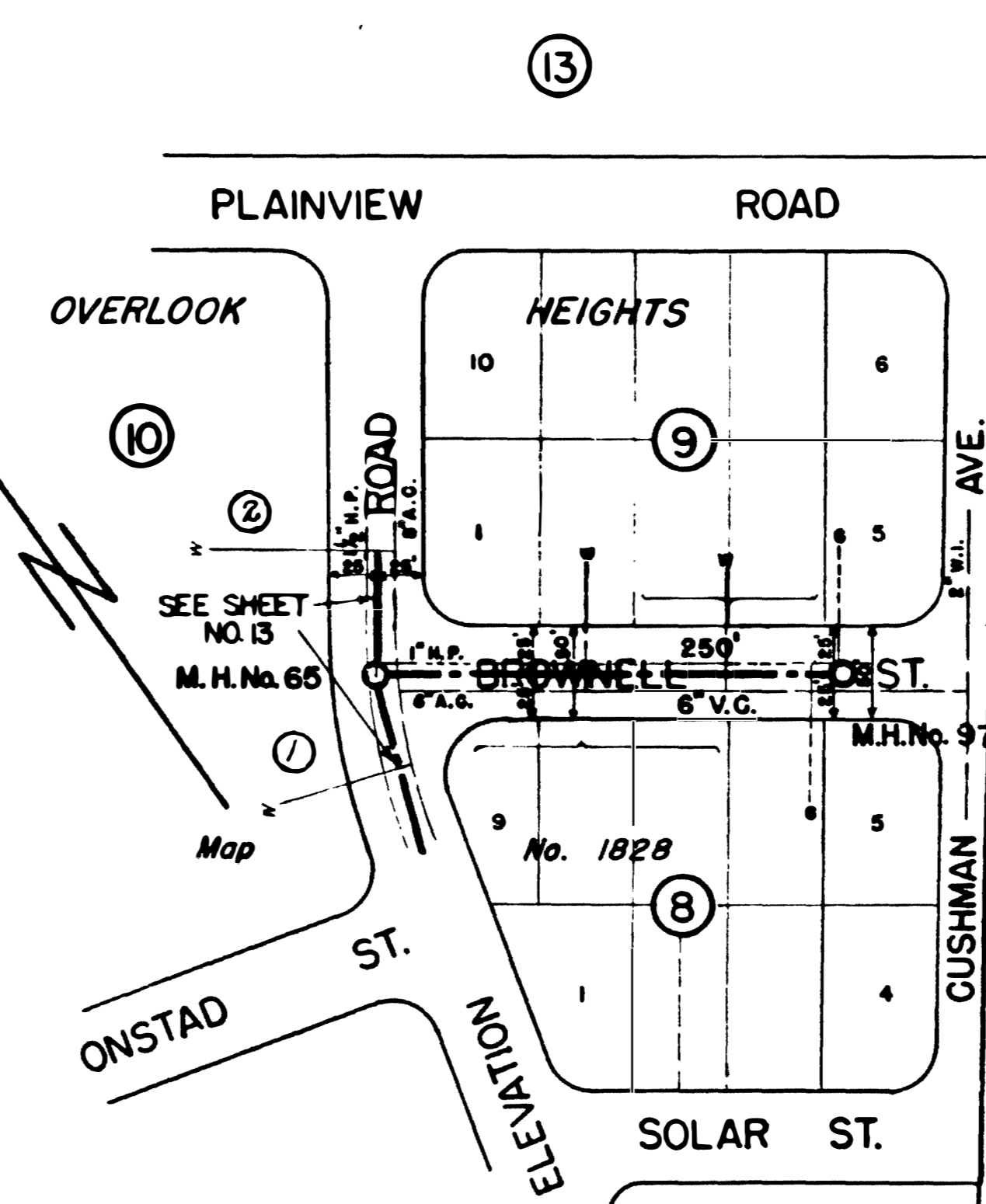
PLAN
Scale 1" = 80'

PL. 285



REDUCED PLAN
USE SCALE BELOW

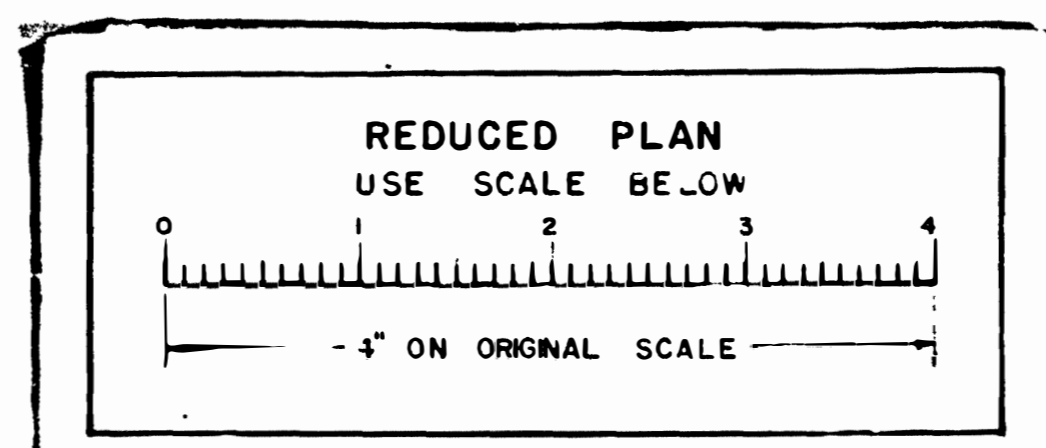
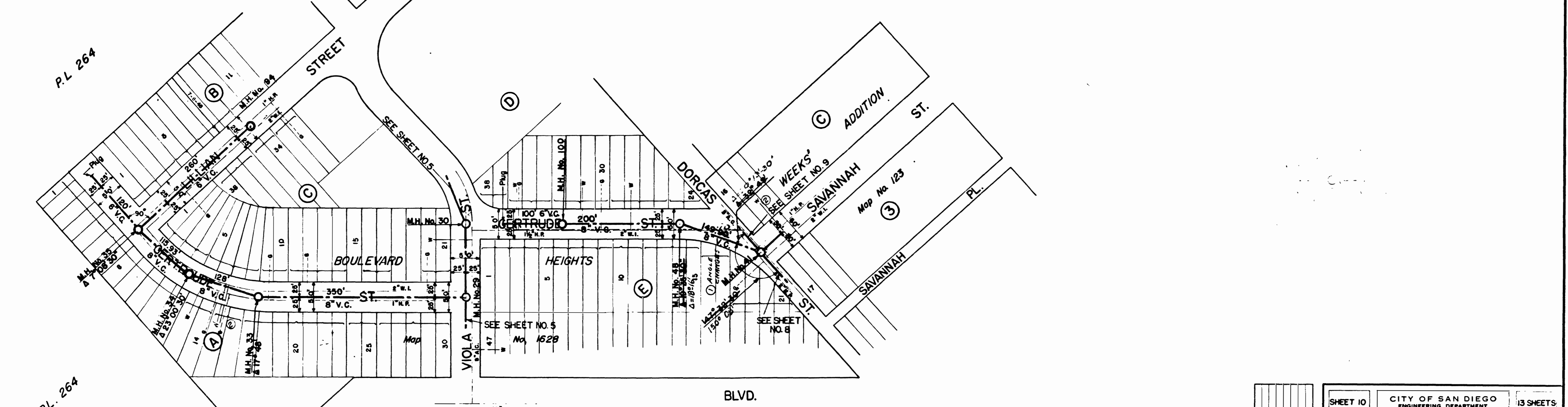
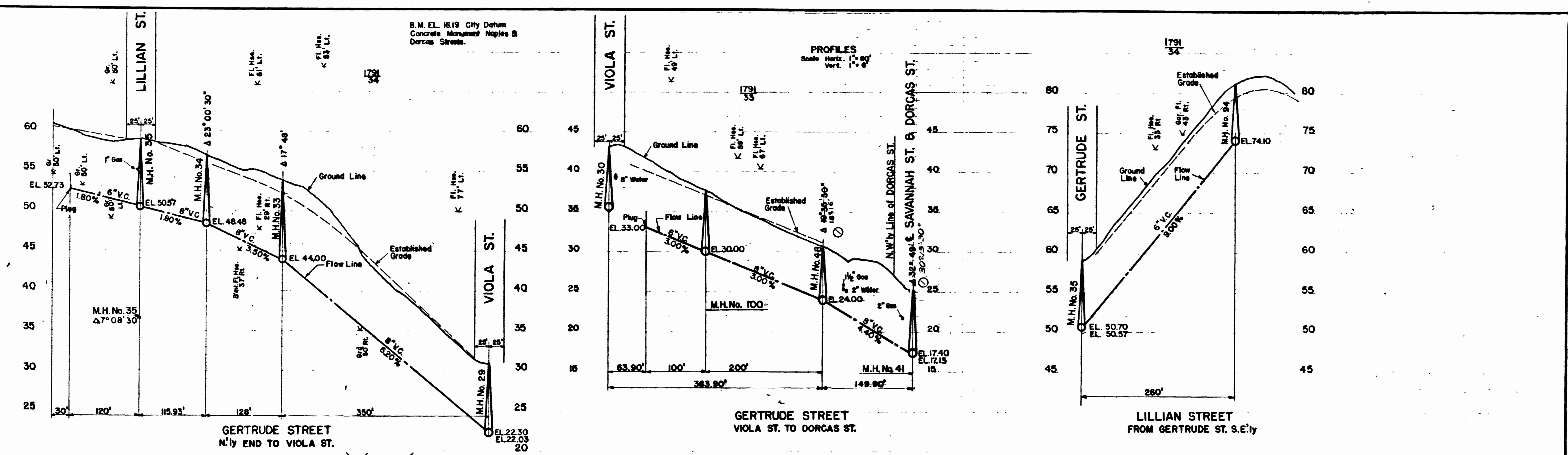
4' ON ORIGINAL SCALE



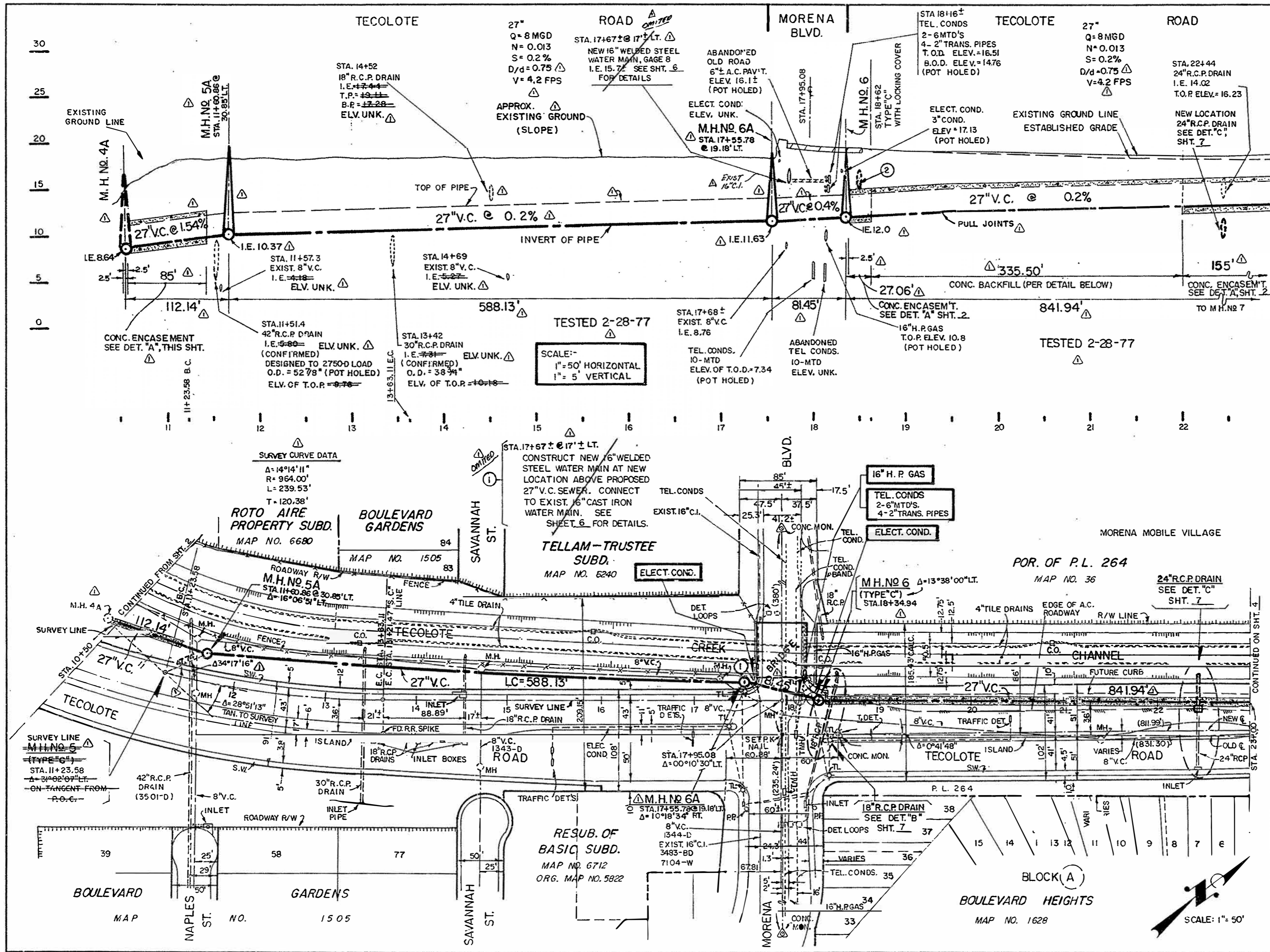
PLAN
Scale 1" = 80'

P.L. 288

WATER DEPARTMENT	SHEET 9	CITY OF SAN DIEGO	3 SHEETS
SEWER DEPARTMENT	ENGINEERING DEPARTMENT		
DESIGN	Plans for the construction of Sanitary SEWERS in MORENA BLVD., PAUL ST., CUSHMAN AVE., WEEKS AVE., PLAINVIEW ROAD, ET AL.		
APPROVED	DATE: Sept 10, 1948		SCALE: AS SHOWN
DESIGNED BY: GILSON	CHANGED BY: BUTTERFIELD	DRAWING NUMBER: 1348-D	
CHECKED BY: GILSON	DATE: 4-15-58	CONSTRUCTION RECORD	W.D. No 31508
DATE: 1791	BY: BUTTERFIELD	APPROVED: BUTTERFIELD	DATE: 8-23-58



WATER DEPARTMENT	CITY OF SAN DIEGO	13 SHEETS
SEWER DEPARTMENT	ENGINEERING DEPARTMENT	
DESIGN		
DRAINAGE		
OFFICE CHECK		
PLANNING COMMISSION		
SPICES		
Plans for the construction of Sanitary SEWERS in MORENA BLVD., PAUL ST., CUSHMAN AVE., WEEKS AVE., PLAINVIEW ROAD, ET AL.		
APPROVED	<i>[Signature]</i>	DATE: Sept. 10, 1948
CITY ENGINEER		SCALE: AS SHOWN
BY: GILSON	DESIGNED: M.C. FILMED	PLANT NUMBER: 1349-D
CHECKED BY: 1791		
CONSTRUCTION RECORD W. O. No. 31508		
CONTRACTOR: BUTTERFIELD	INSPECTOR: DABBY	
DATE STARTED: 4-4-48	REVISION: 2	DATE COMPLETED: 8-31-48

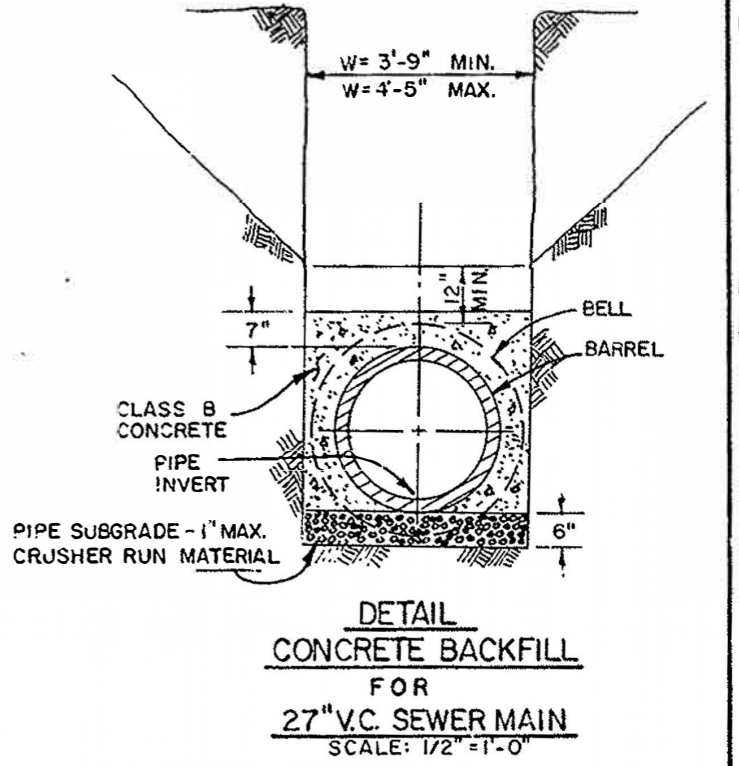


② STA. 18+50.49
18" R.C.P. DRAIN
T.O.P. ELEV. = 16.13
(POT HOLED)
NEW LOCATION
SEE DET. "B",
SHT. 7

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

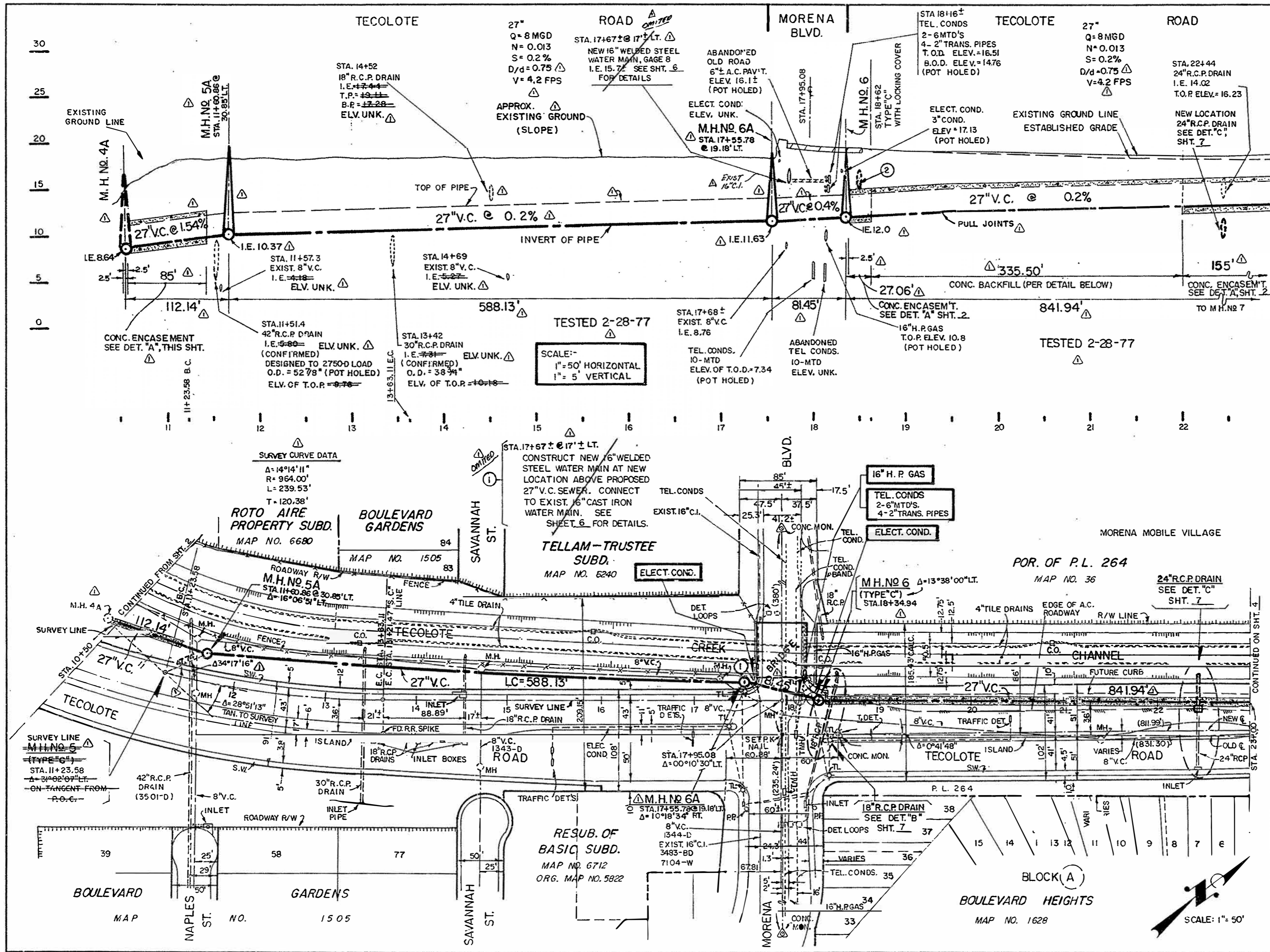
BENCH MARK: (MEAN SEA LEVEL DATUM)
B.M. NW8R, MORENA & KNOXVILLE
ELEV. 15.073

NOTE:- FOR IMPROVEMENT DWGS, REFERENCES,
FIELD NOTES, ETC., SEE SHEET 5



TECOLOTE CANYON TRUNK SEWER 27" V.C. SEWER MAINS TECOLOTE ROAD - N.E. & S.W. OF MORENA BLVD.	
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 3 OF 14 SHEETS	E.W.O. 147057 U.W.O. 65861
UTILITIES DIRECTOR: [Signature] DATE: 10/17/75	ENGINEERING SUPERINTENDENT: [Signature]
DESCRIPTION: ORIGINAL AS BUILT	BY: JEC/CM APPROVED: [Signature] FILMED: [Signature]
CONSTRUCTION RECORD	CONTROL CERTIFICATION 220-1707
CONTRACTOR: WALCON CONST CO INSPECTOR: H. MILLS, STUBAK	DATE STARTED: 8-16-76 DATE COMPLETED: 8-22-77
16651-3-D	

TECOLOTE CANYON TRUNK SEWER (LOWER REACH)

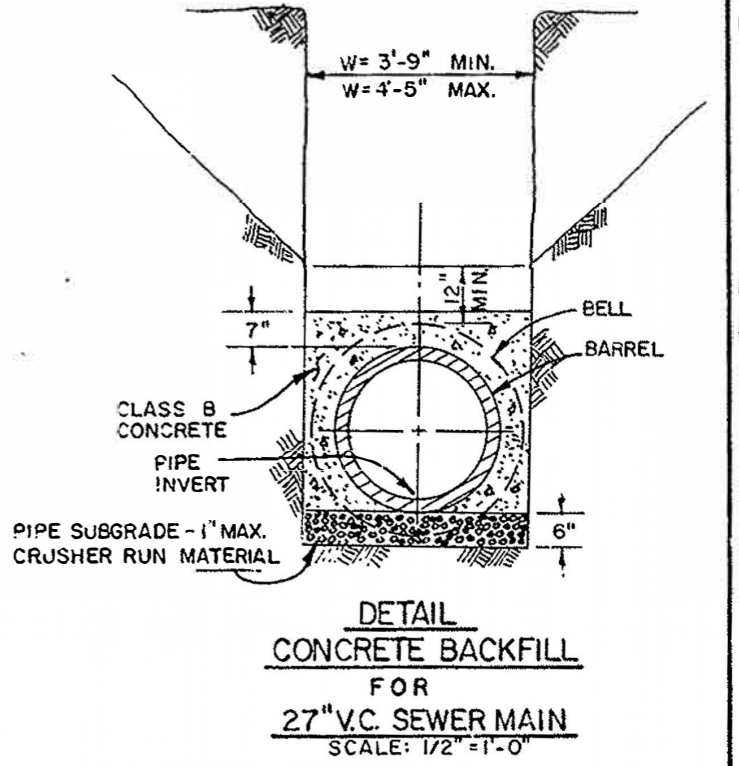


② STA. 18+50.49
18" R.C.P. DRAIN
T.O.P. ELEV. = 16.13
(POT HOLED)
NEW LOCATION
SEE DET. "B",
SHT. 7

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

BENCH MARK: (MEAN SEA LEVEL DATUM)
B.M. NW8R, MORENA & KNOXVILLE
ELEV. 15.073

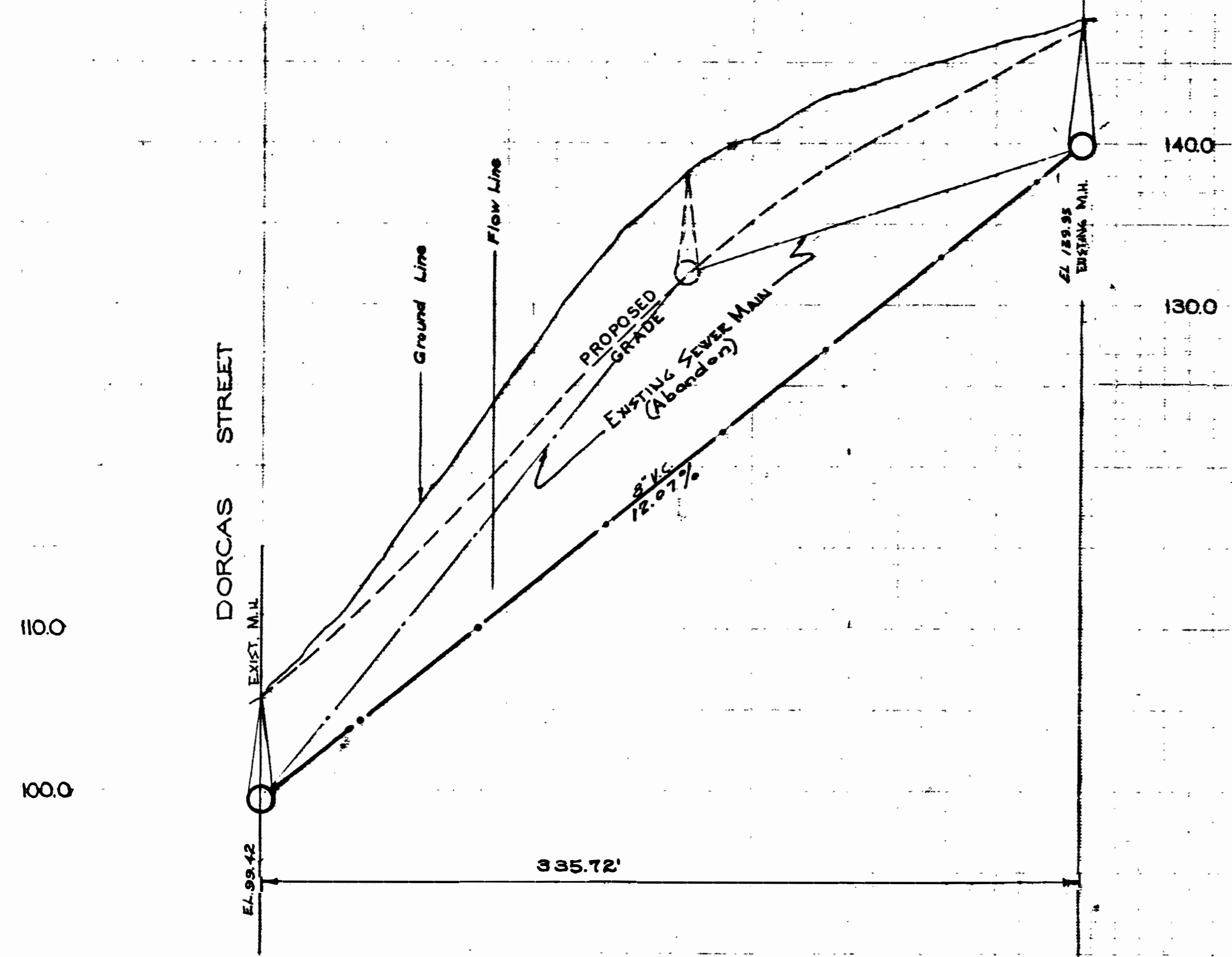
NOTE:- FOR IMPROVEMENT DWGS, REFERENCES,
FIELD NOTES, ETC., SEE SHEET 5



TECOLOTE CANYON TRUNK SEWER	
27" V.C. SEWER MAINS	
TECOLOTE ROAD - N.E. & S.W. OF MORENA BLVD.	
CITY OF SAN DIEGO, CALIFORNIA	E.W.O. 147057
UTILITIES DEPARTMENT	U.W.O. 65861
SHEET 3 OF 14 SHEETS	
UTILITIES DIRECTOR	DATE
DESIGNER	DATE
APPROVED	FILMED
ORIGINAL	JEC/CM
AS BUILT	JEC
CONSTRUCTION RECORD	
CONTRACTOR: WALCON CONSTRUCTION CO. DATE STARTED: 8-16-76	
INSPECTOR: H. MILLS, STUBAK DATE COMPLETED: 8-22-77	
CONNECTIONS BY:	
CONTROL CERTIFICATION	
220-1707	
LAMBERT COORDINATES	
16651-3-D	

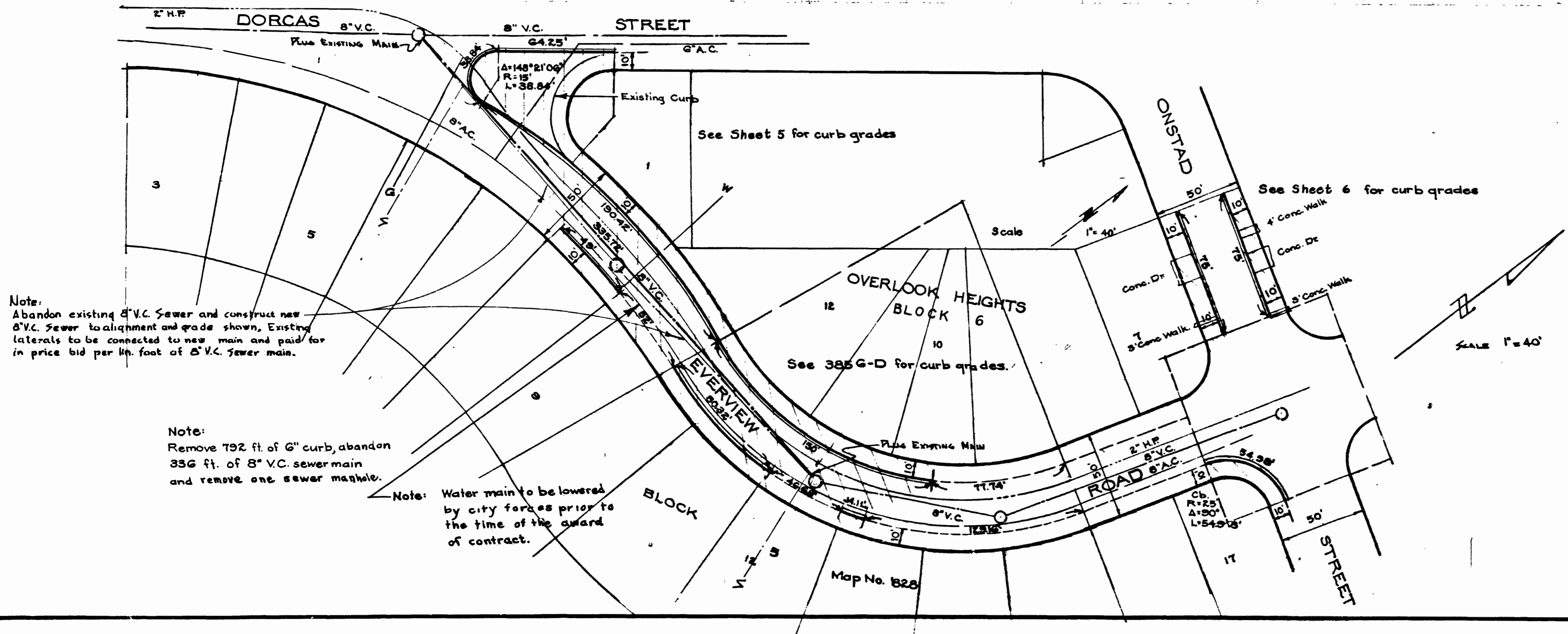
AS BUILT

TECOLOTE CANYON TRUNK SEWER (LOWER REACH)



Scales: Horizontal: 1" = 40'
Vertical: 1" = 6'

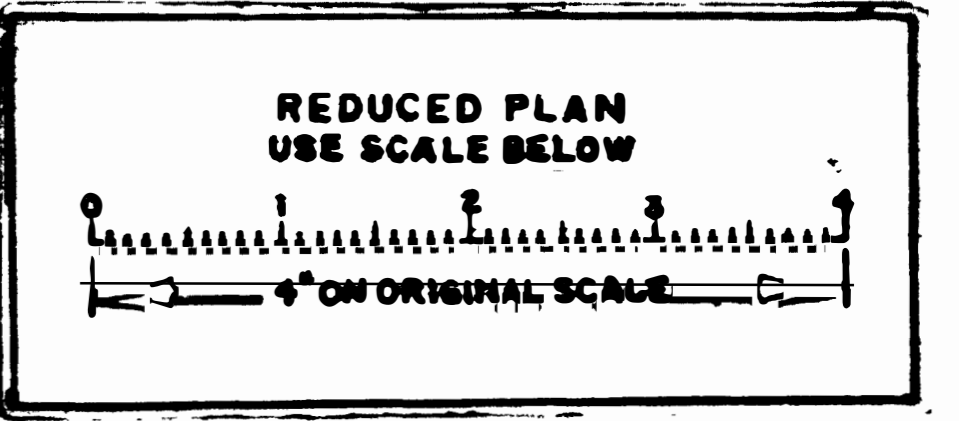
SEWER MAIN PROFILE



Note:
Abandon existing 8" V.C. Sewer and construct new 8" V.C. Sewer to alignment and grade shown. Existing laterals to be connected to new main and paid for in price bid per lin. foot of 8" V.C. sewer main.

Note:
Remove 792 ft. of 6" curb, abandon 336 ft. of 8" V.C. sewer main and remove one sewer manhole.

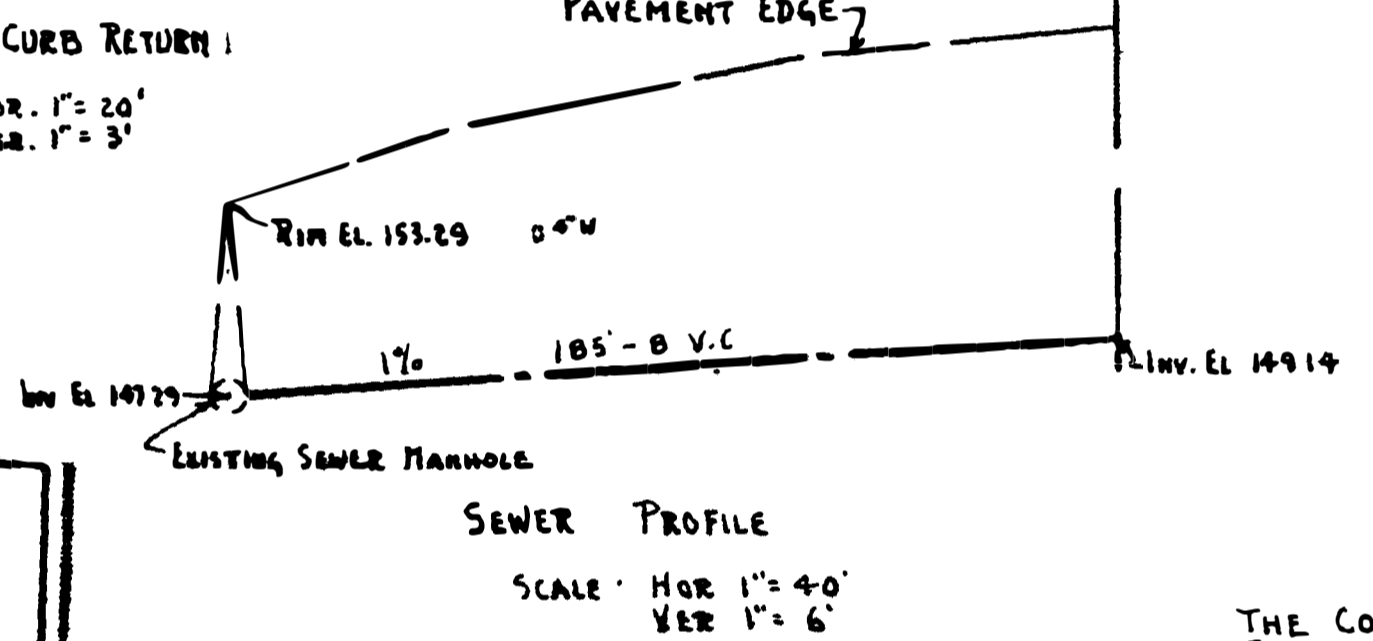
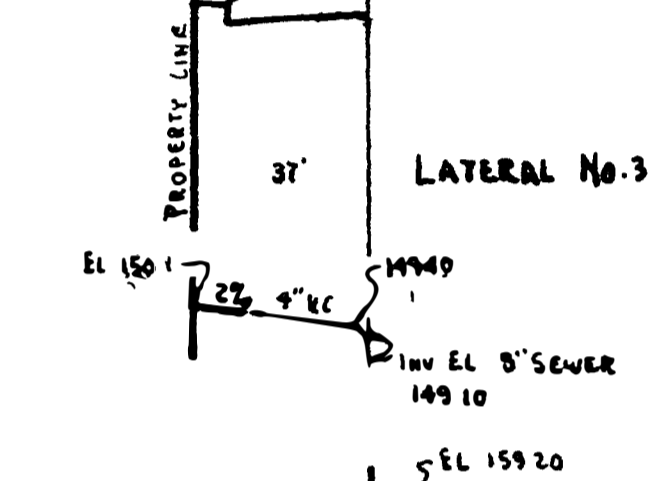
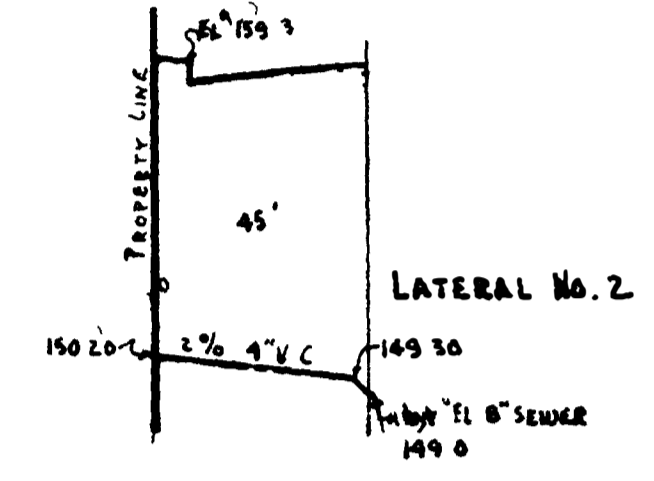
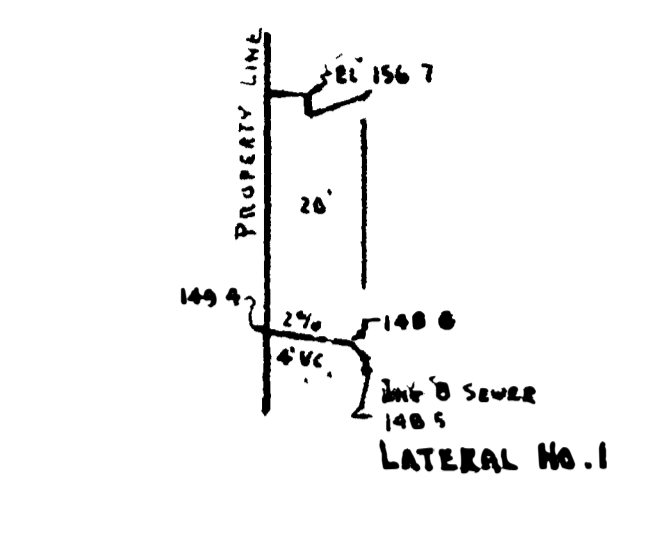
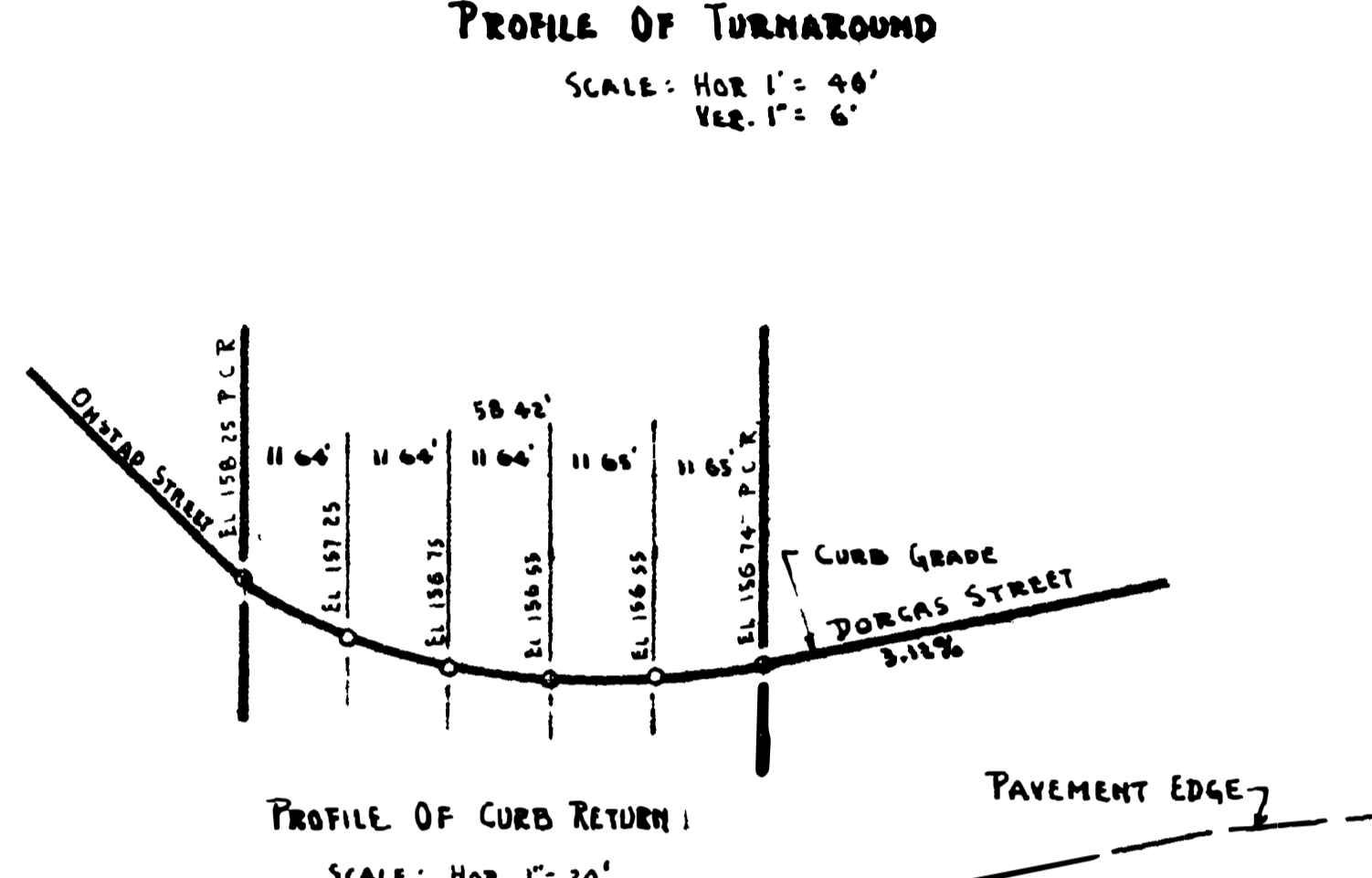
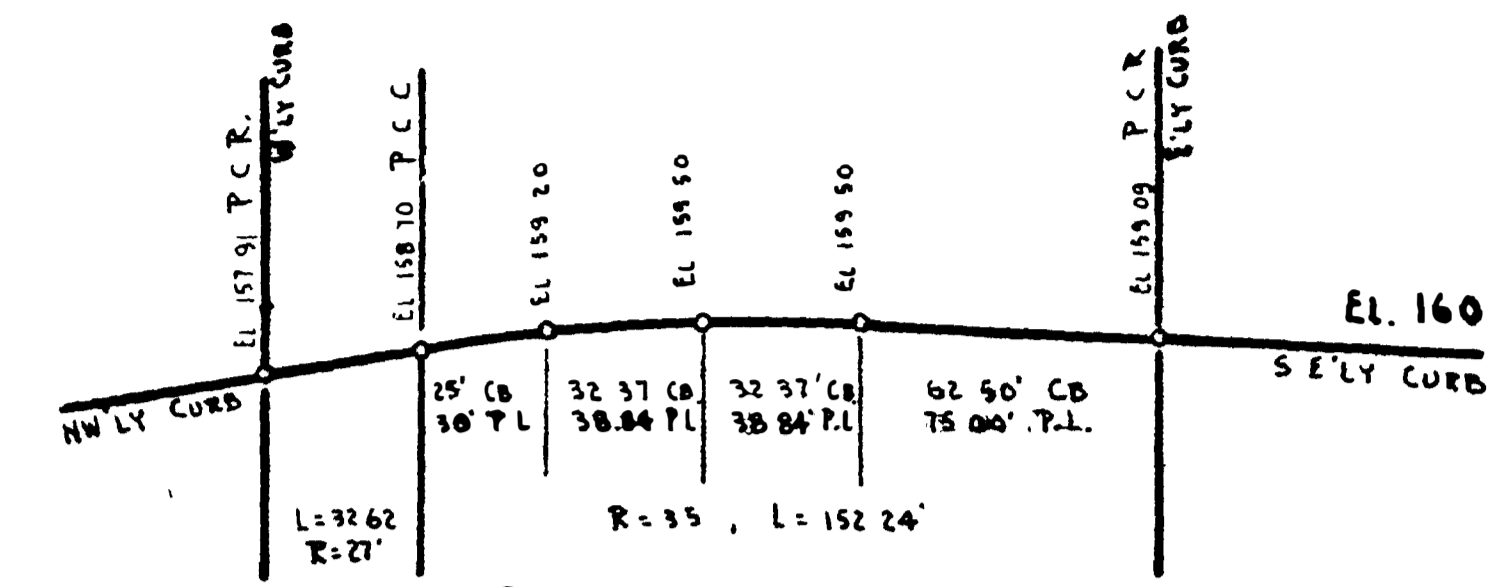
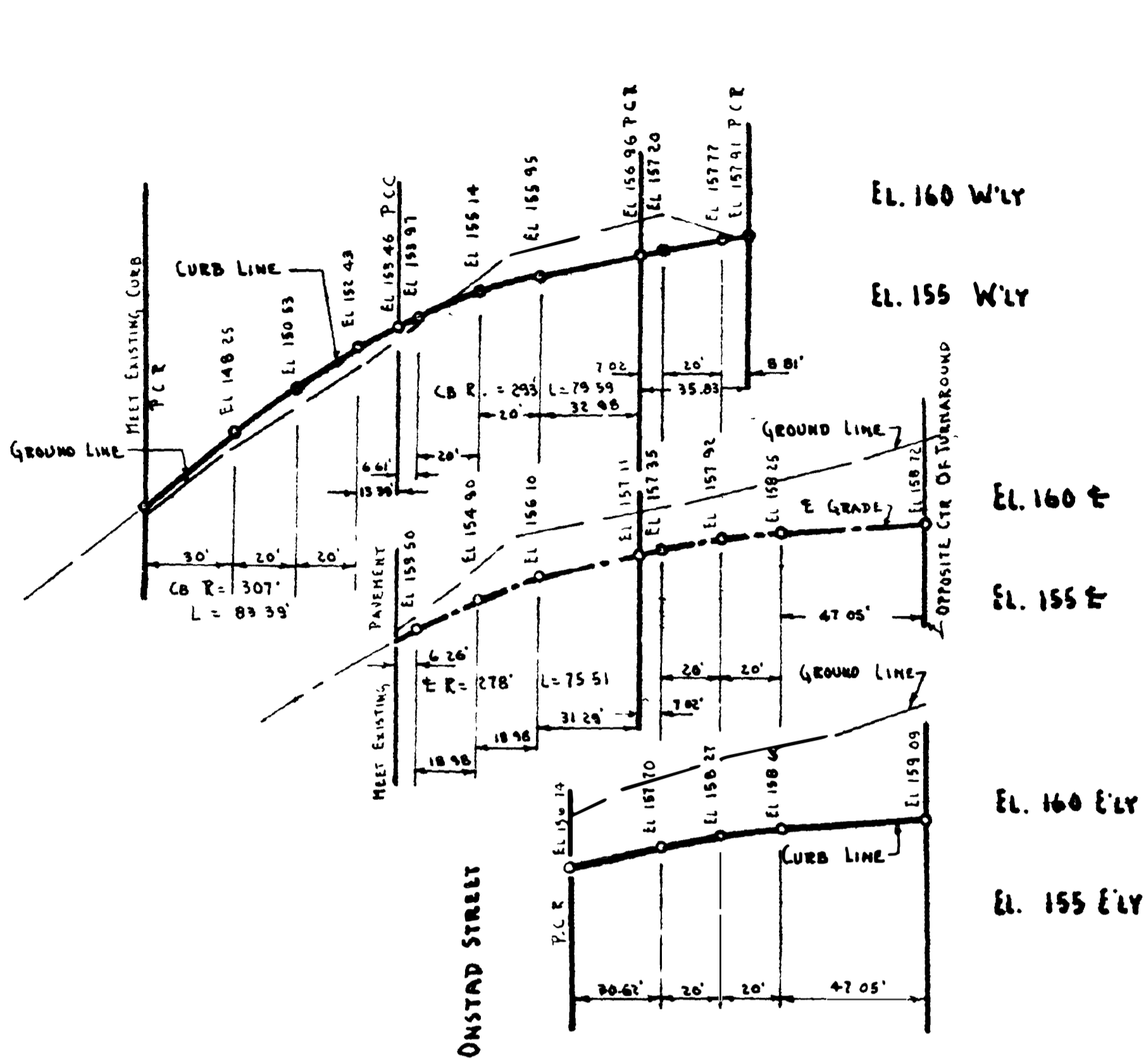
Note: Water main to be lowered by city forces prior to the time of the award of contract.



EVERVIEW ROAD, et al				SHEET 2 OF 7 SHEETS		W.O. NO. 21528
CITY OF SAN DIEGO ENGINEERING DEPARTMENT						
PLAN REVISIONS						
CHANGE	BY	DATE	APPROVAL	DATE		
As BUILT		10/25/57	<i>A.K. Fogg</i>	10/11/56		
WATER DEPT.				SEWERAGE		
PLUMBING DEPT.				DRAINAGE		
ELECTRICAL				HIGHWAY		
STRUCTURAL				GRADES		
TRAFFIC				CONTROL		
CONTR. E.P. Watson				INSP. Tex		
FIELD BOOK 2299						
				SUPERVISOR		
				CHECKED		
				DESIGNED		
				3967-D		

MICROFILMED

INDEXED



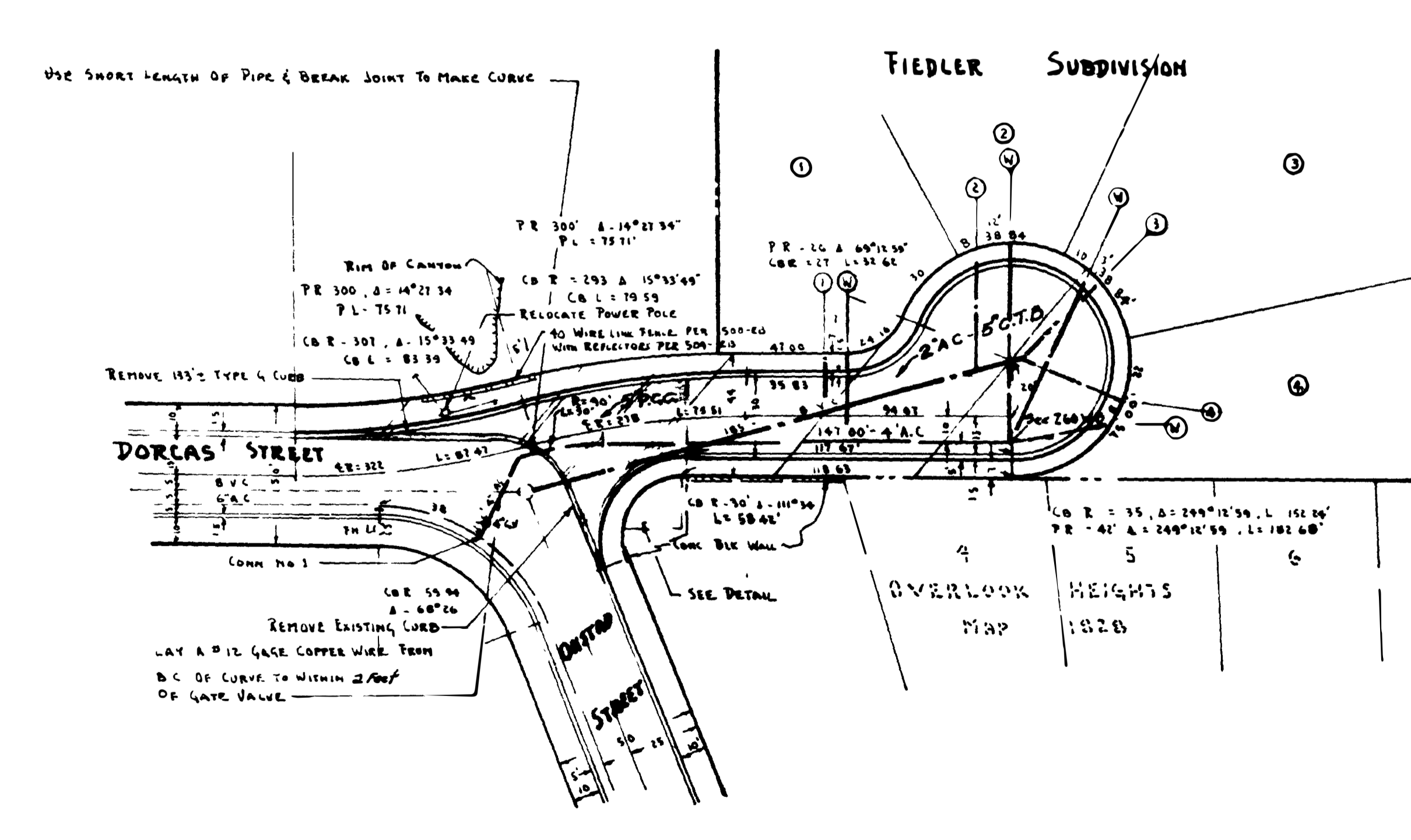
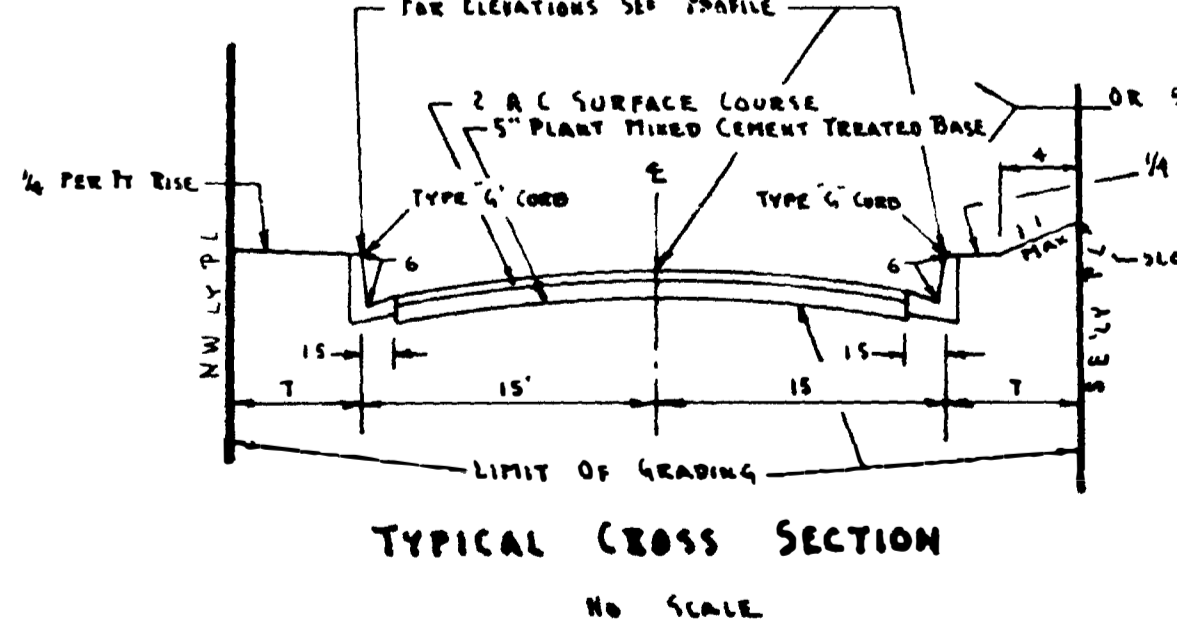
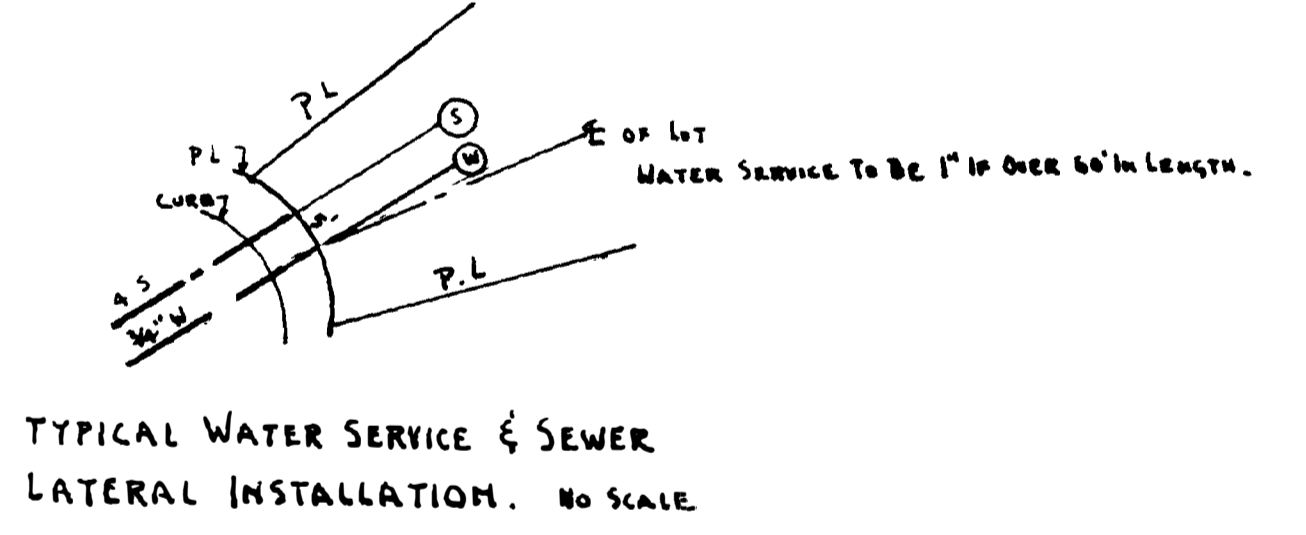
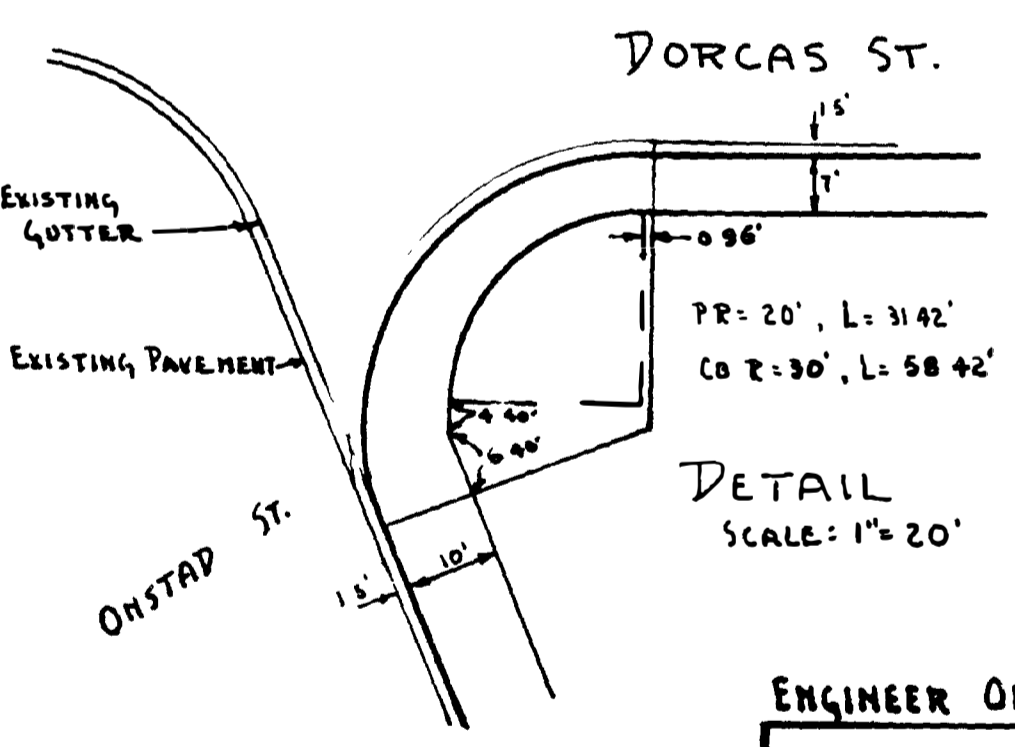
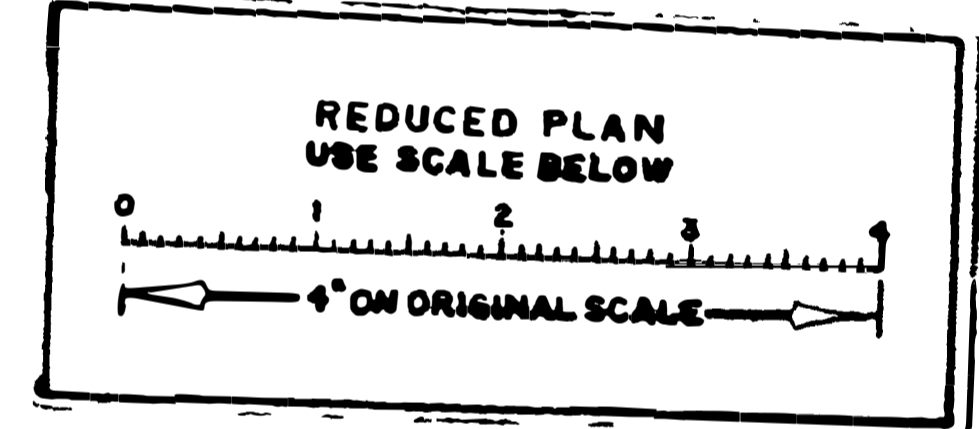
WORK TO BE DONE SCHEDULE
THE IMPROVEMENT CONSISTS OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE FOLLOWING SPECIFICATIONS:

IMPROVEMENTS	STANDARD DRAWINGS	LEGEND
EXCAVATION AND EMBANKMENT		
PREPARATION OF SUBGRADE & PAVING		
TYPE 'C' CURB	9-EB	
CONCRETE PAVEMENT	1-EB	
SEWER MAIN - 8" V.C.	101-EB	
WATER MAIN - 4" A.C.	(200-WB THRU 210-WB) 201-WB	
GROUND FENCE, WIRE LINK, WITH REFLECTORS	500-EB, 509-EB	
SEWER LATERAL - 4" V.C.	122-EB	
WATER SERVICE - 3/4" COPPER	200-WB, 205-WB	
MULTIPLE SERVICES CONNECTION TO DEAD END MAIN	260-WB	
GATE VALVE WITH STEEL BOX & CAST IRON COVER	212-WB, 543-EB, 544-EB, 545-EB	

STANDARD SPECIFICATIONS
STANDARD SPECIFICATIONS, PART I FILED APRIL 9, 1958, INCLUDING AMENDMENT FILED APRIL 8, 1959.
PART V FILED MAY 9, 1958.
GENERAL CONDITIONS FOR PRIVATE CONTRACT WORK.
SPECIAL CONDITIONS P-18

REFERENCE DRAWINGS
1350-D, 3845-D, 3855-D, 3861-D.
NOTES
SITE GRADING & EROSION CONTROL SHALL COMPLY WITH RESOLUTION NO 159846 AND 543-EB, 544-EB & 545-EB
NO PAVEMENT SHALL BE PLACED BEFORE GAS MAINS AND SERVICES ARE INSTALLED

BENCH MARK: N.E. B.P. DORCAS ST & HILDA RD. EL 71.87
RIM SEWER MANHOLE AT INTER. DORCAS ST. & ONSTAD ST. EL 153.90 CITY DATUM

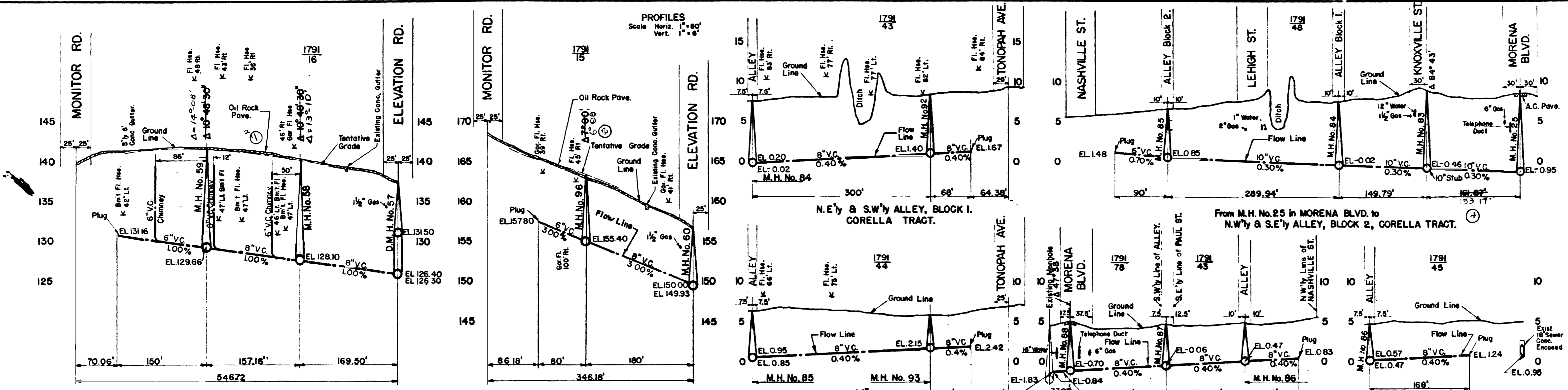


ENGINEER OF WORK: *[Signature]* PRIVATE CONTRACT RE. 8629

CITY OF SAN DIEGO ENGINEERING DEPARTMENT				SHEET 1 OF 1 SHEETS		WO. NO. 74725
CHANGE	REVISION	BY	DATE	APPROVAL	DATE	
AS BUILT	ENR-30-61			<i>[Signature]</i>	7-26-60	<i>[Signature]</i>
CONSTRUCTION RECORD			APPROVALS FOR			
10-26-60			WATER DEPT. <i>[Signature]</i>			
1-5-61			SEWERAGE DEPT. <i>[Signature]</i>			
DATE COMPLETED			DRAINAGE DEPT. <i>[Signature]</i>			
S.J. HARRIS CO. INSP. POLK			GRADER <i>[Signature]</i>			
HIGHWAY			SUPERVISOR			
STREET NAME SIGNS			CHECKED			
E-16			DESIGNED			
			9693-D			

DANIELS, BROWN & HALL NO 5855- CIVIL ENGR. & LAND SURVEYS CT-6-6183 2802 JUAN ST. SAN DIEGO, CALIF

MAY 11 1960



B.M. EL. 5.08 City Datum, Chisel Cross
W'y Rim M.H. Cover North West Corner
Morena Blvd. @ Paul Street.

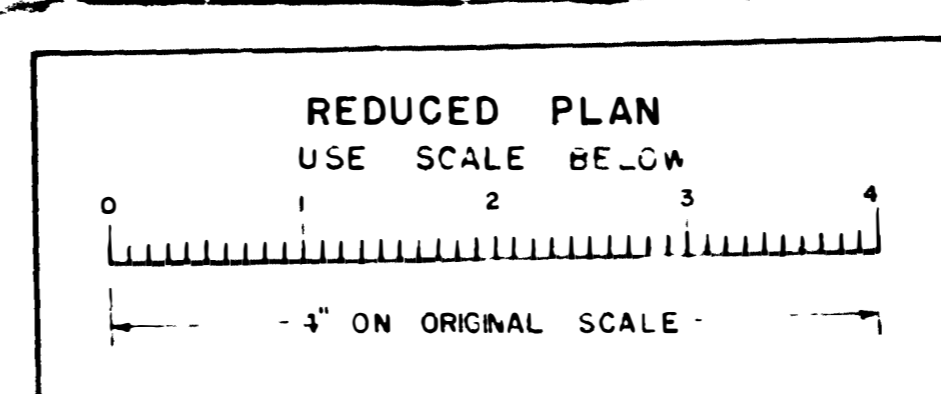
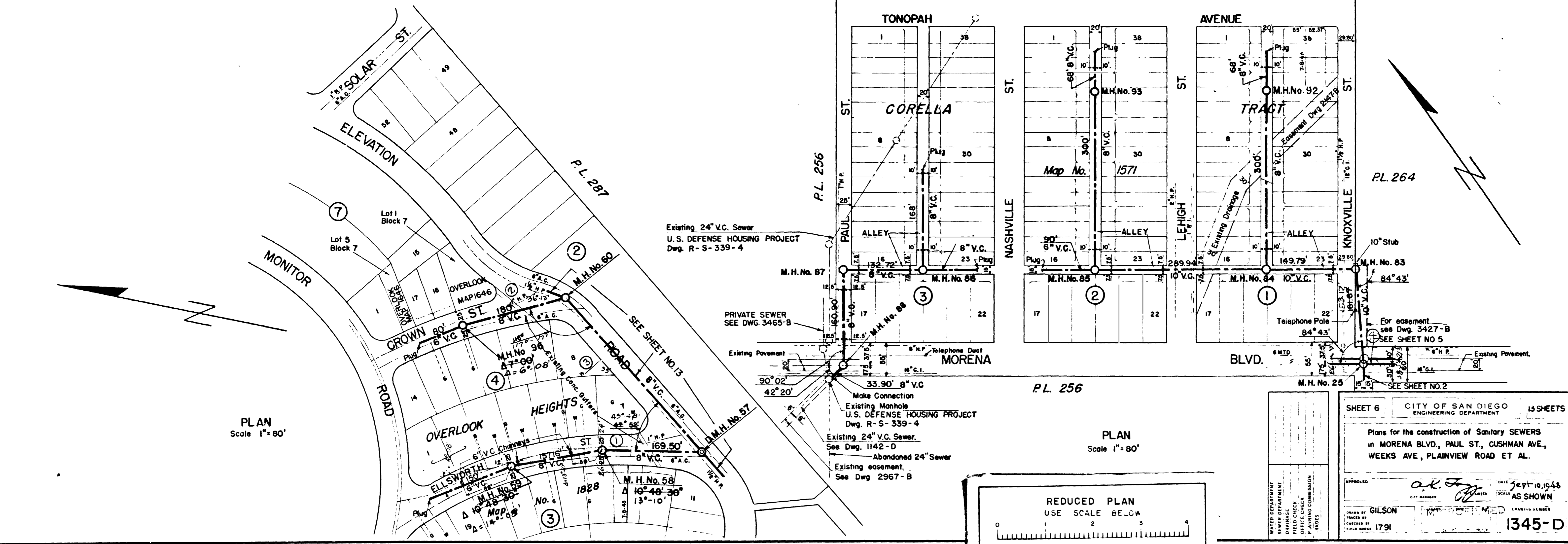
**ELLSWORTH STREET
MONITOR RD. TO ELEVATION RD.**

**CROWN STREET
MONITOR RD. TO ELEVATION RD.**

**N.E'y & S.W'y ALLEY, BLOCK 2,
CORELLA TRACT.**

**From M.H. No. 25 in MORENA BLVD. to
N.W'y & S.E'y ALLEY, BLOCK 2,
CORELLA TRACT.**

**N.E'y & S.W'y ALLEY, BLOCK 3,
CORELLA TRACT.**



SHEET 6 CITY OF SAN DIEGO ENGINEERING DEPARTMENT 13 SHEETS

Plans for the construction of Sanitary SEWERS in MORENA BLVD., PAUL ST., CUSHMAN AVE., WEEKS AVE., PLAINVIEW ROAD ET AL.

APPROVED: *[Signature]* DATE: Sept 10, 1948 AS SHOWN

DRAWN BY: GILSON DRAWING NUMBER: 1345-D

CONSTRUCTION RECORD: W.D. No. 31508

CONTRACTOR: BUTLERFIELD
DATE STARTED: 4-8-48
DATE COMPLETED: 8-31-48

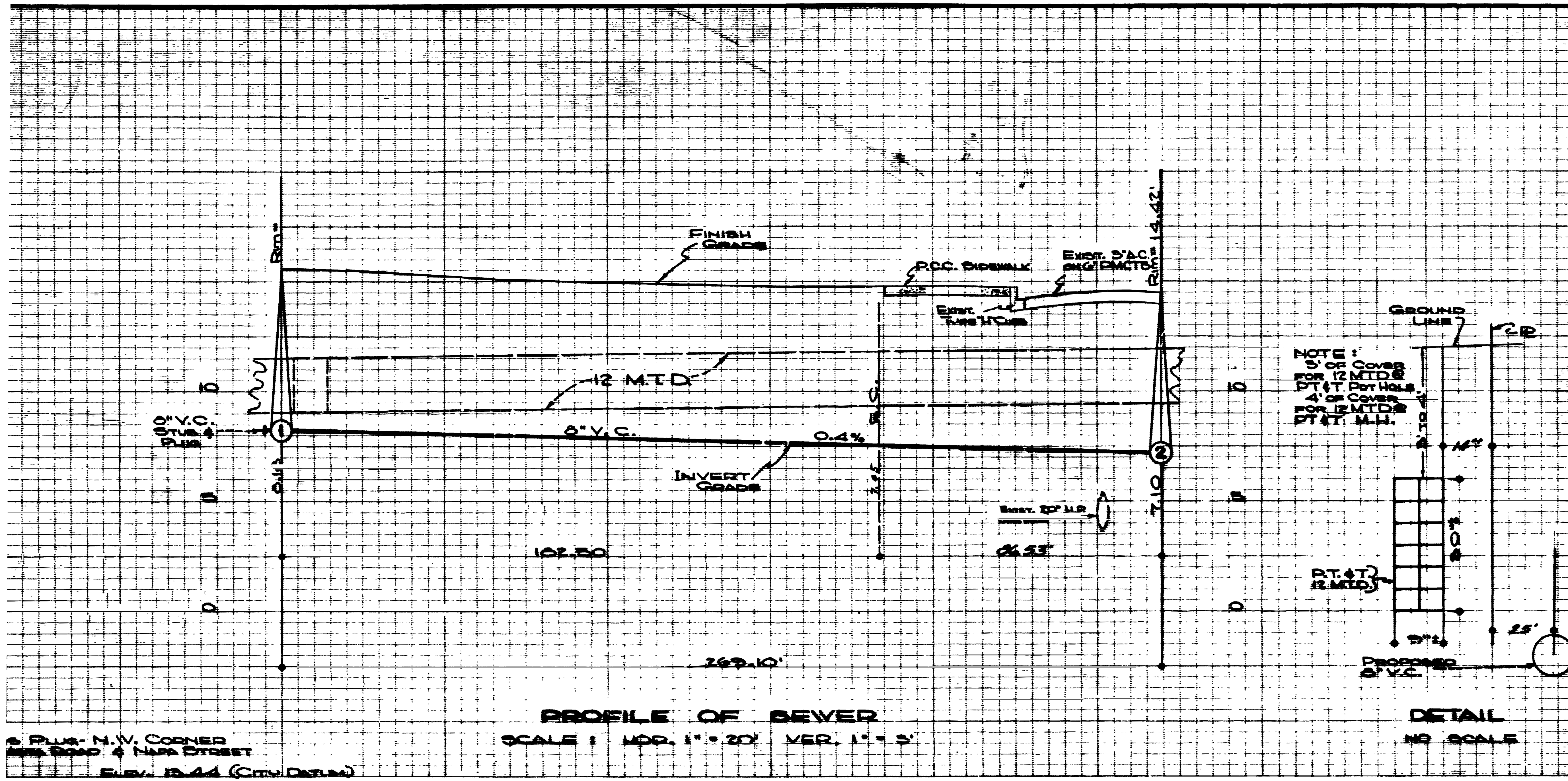
WORK TO BE DONE
 THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THE CITY PLANS AND THE FOLLOWING STANDARD DRAWINGS AND SPECIFICATIONS OF THE CITY OF SAN DIEGO.

SPECIFICATIONS
 PART 1, FILED APRIL 9, 1950 INCLUDING AMENDMENT FILED APRIL 9, 1959, GENERAL CONDITIONS FOR PRIVATE CONTRACT WORK SECTION 50.

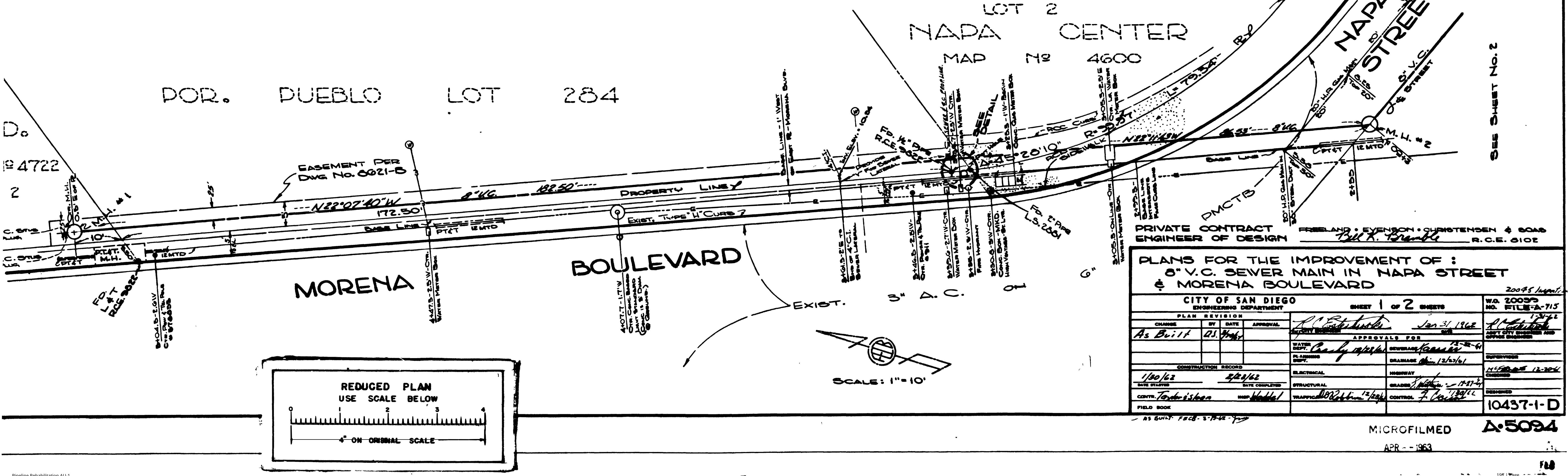
IMPROVEMENTS STD. DVG'S. SYMBOL
 V.C.P. SEWER MAIN 6-1-59
 CONCRETE MANHOLE 6-50-50, M-25 ST. ②

PROPERTY ACQUISITION
 0021-B SEWER EASEMENT

TRAFFIC NOTE:
 2 WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON NAPA ST. / MORENA BLVD.



6 PLUS - N.W. CORNER
 MORENA ROAD & NAPA STREET
 ELEV. 1244 (CITY DATUM)

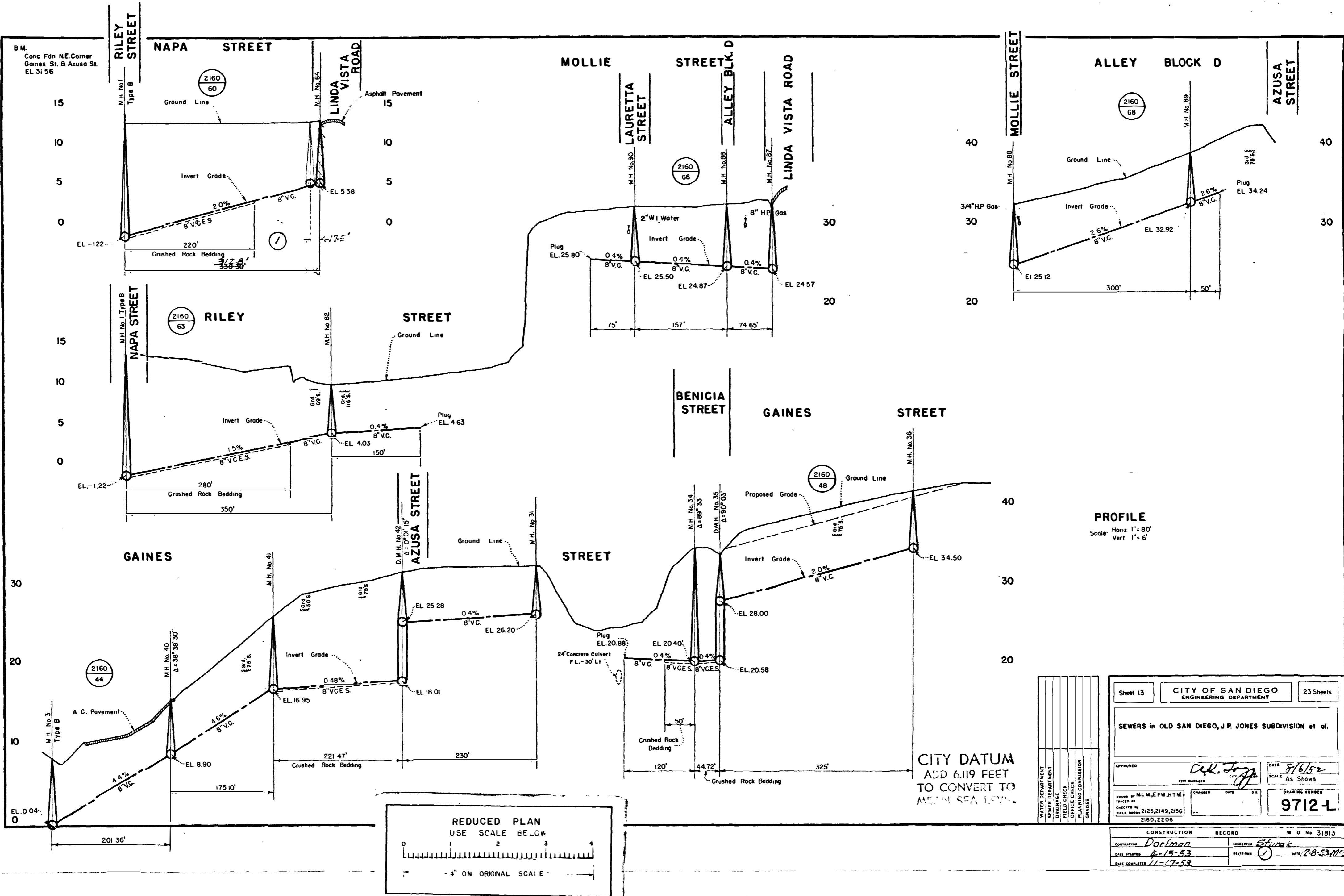


PRIVATE CONTRACT ENGINEER OF DESIGN
 FREELAND • EVENSON • CHRISTENSEN & SOAS
 Bill K. Bramble R.C.E. 0102

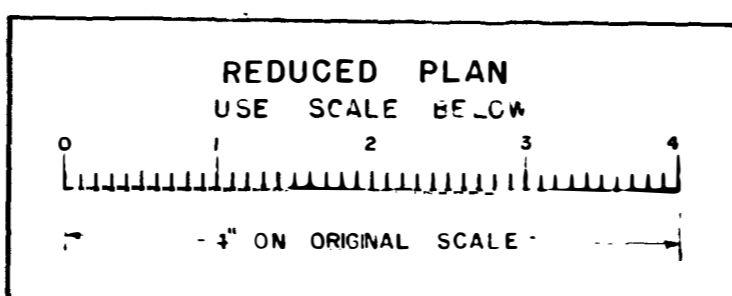
PLANS FOR THE IMPROVEMENT OF :
 8" V.C. SEWER MAIN IN NAPA STREET
 & MORENA BOULEVARD

CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 1 of 2 SHEETS	WA 20095 NO. FILE-A-715
PLAN REVISION		DATE	APPROVAL
As Built	01/19/62		<i>[Signature]</i>
CONSTRUCTION RECORD		DATE STARTED	DATE COMPLETED
1/30/62	2/21/62		
CONTRACTOR	DATE COMPLETED	STRUCTURAL	GRADING
CONY. Tordarison	1/18/62	W. H. H. H.	1/18/62
FIELD BOOK		TRAFFIC CONTROL	
			10437-1-D

MICROFILMED
 APR - 1963
 A-5094



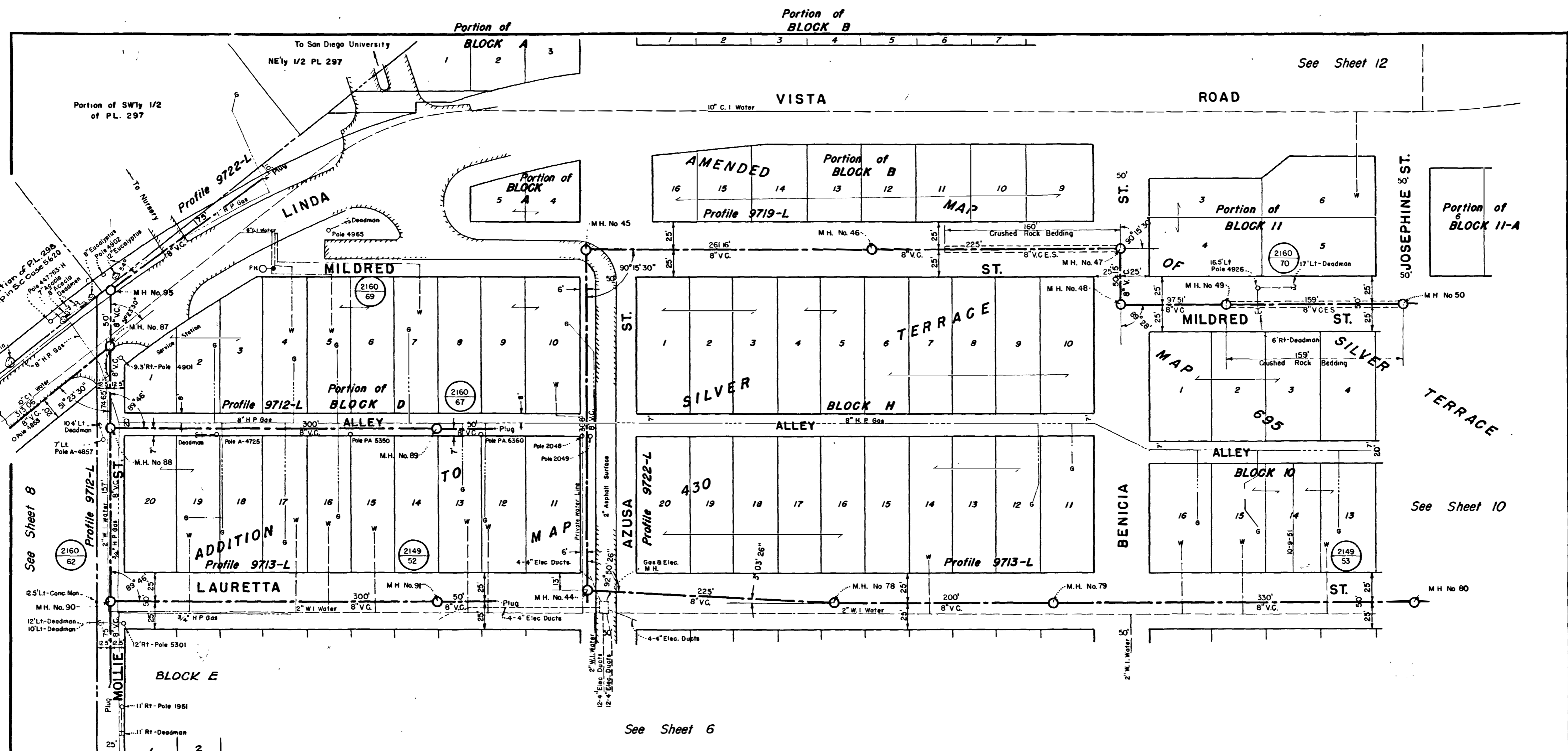
PROFILE
 Scale: Horiz 1" = 80'
 Vert 1" = 6'



CITY DATUM
 ADD 6.119 FEET
 TO CONVERT TO
 MEAN SEA LEVEL

Sheet 13	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	23 Sheets
SEWERS in OLD SAN DIEGO, J.P. JONES SUBDIVISION et al.		
APPROVED <i>Carl J. Jones</i> CITY ENGINEER	DATE 8/6/52	SCALE As Shown
DRAWN BY MLM,EFW,HTM	CHECKED BY GALD	DRAWING NUMBER 9712-L
TRACED BY GALD	FIELD NUMBER 2125,2149,2156	DATE COMPLETED 11-17-53
2160,2206	CONSTRUCTION RECORD W O No 31813	
CONTRACTOR Dortman	INSPECTOR Sturak	REVISIONS 1
DATE STARTED 4-15-53	DATE COMPLETED 11-17-53	

B.M.
 Conc Fdn NE Corner
 Gaines St. & Azusa St.
 EL 31.56

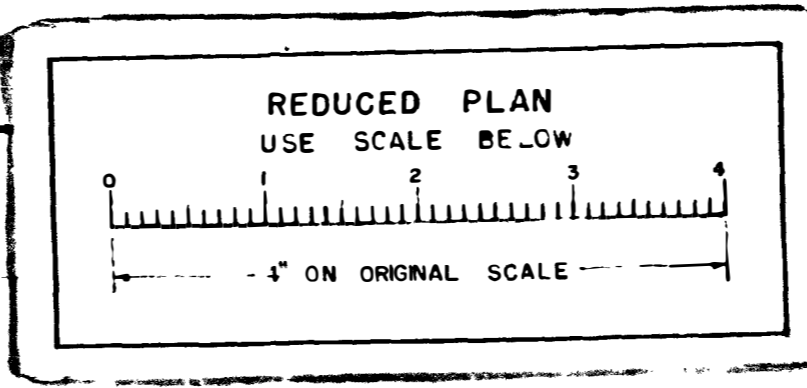
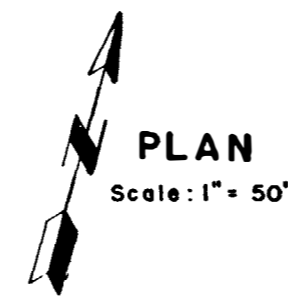


See Sheet 8

See Sheet 12

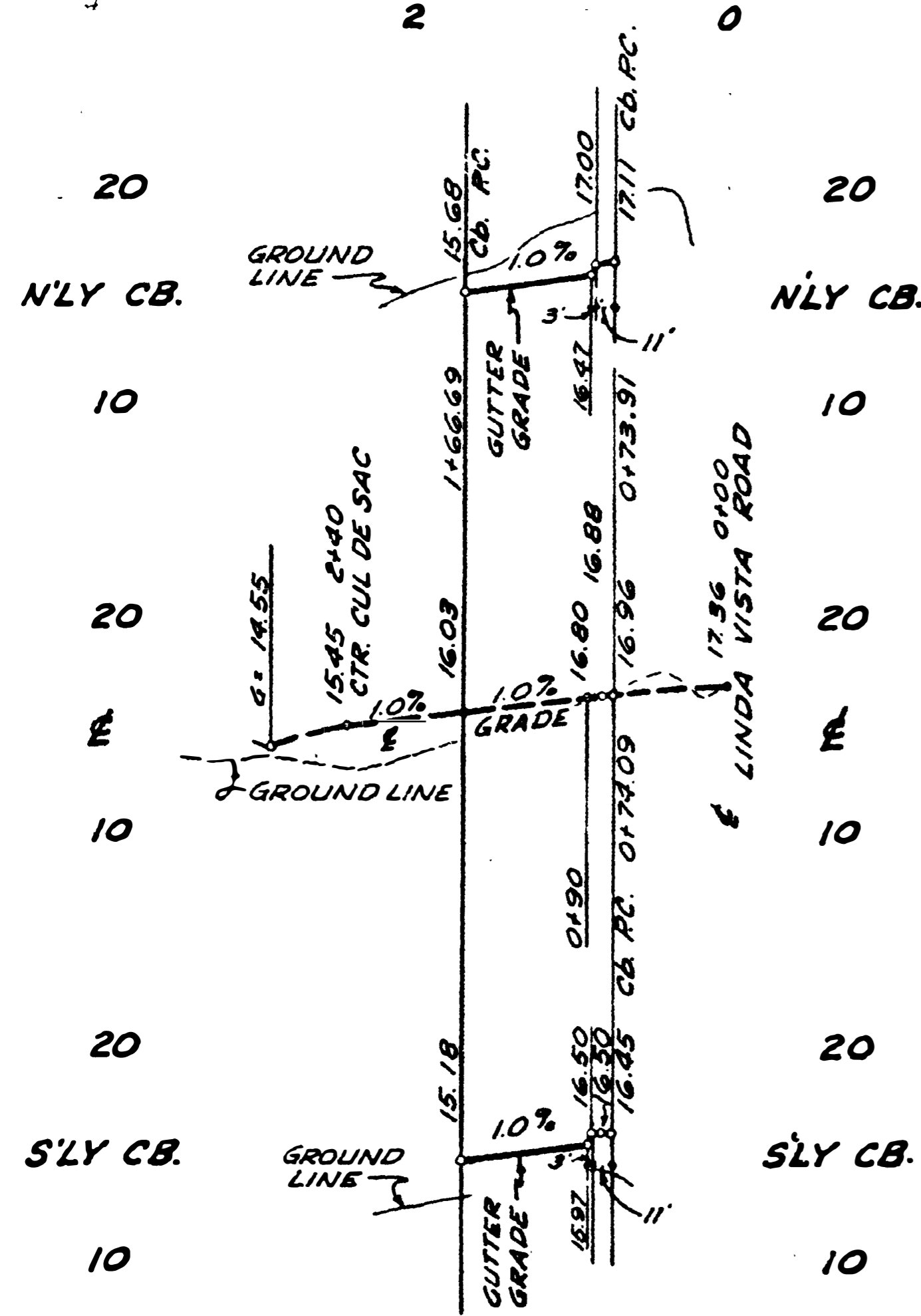
See Sheet 10

See Sheet 6

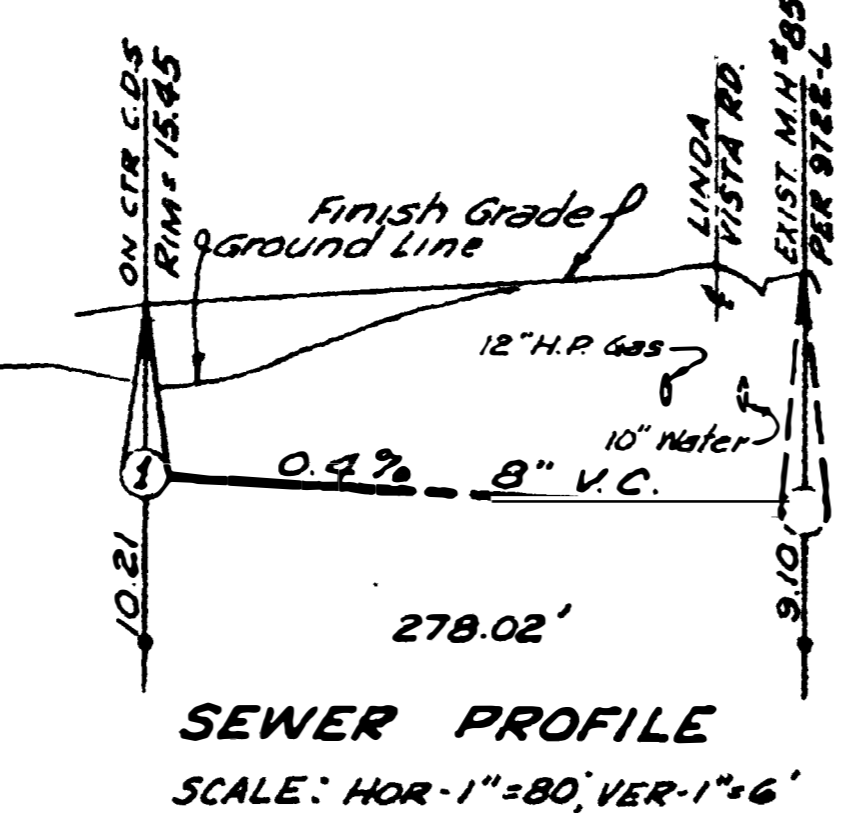
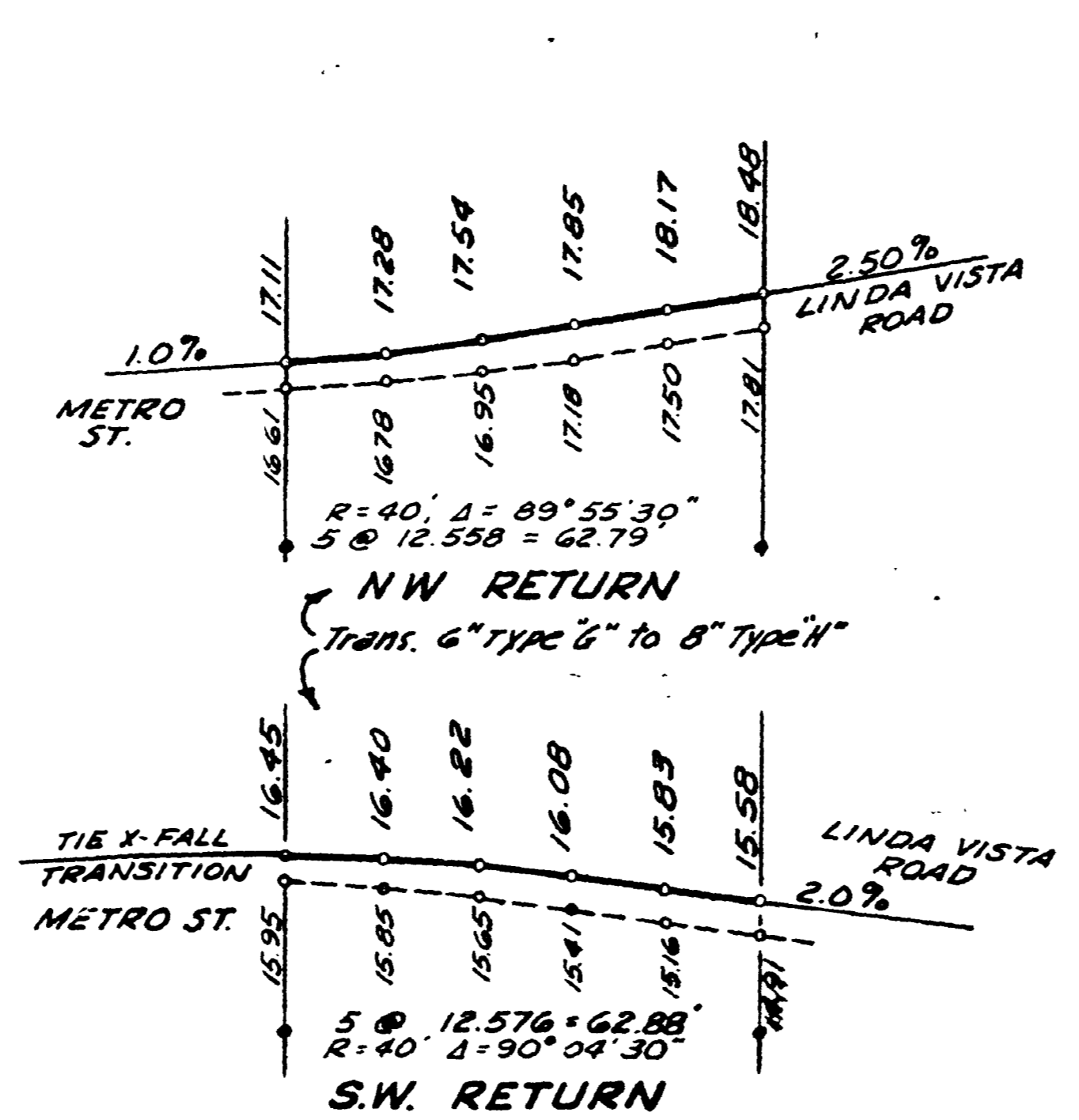


CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

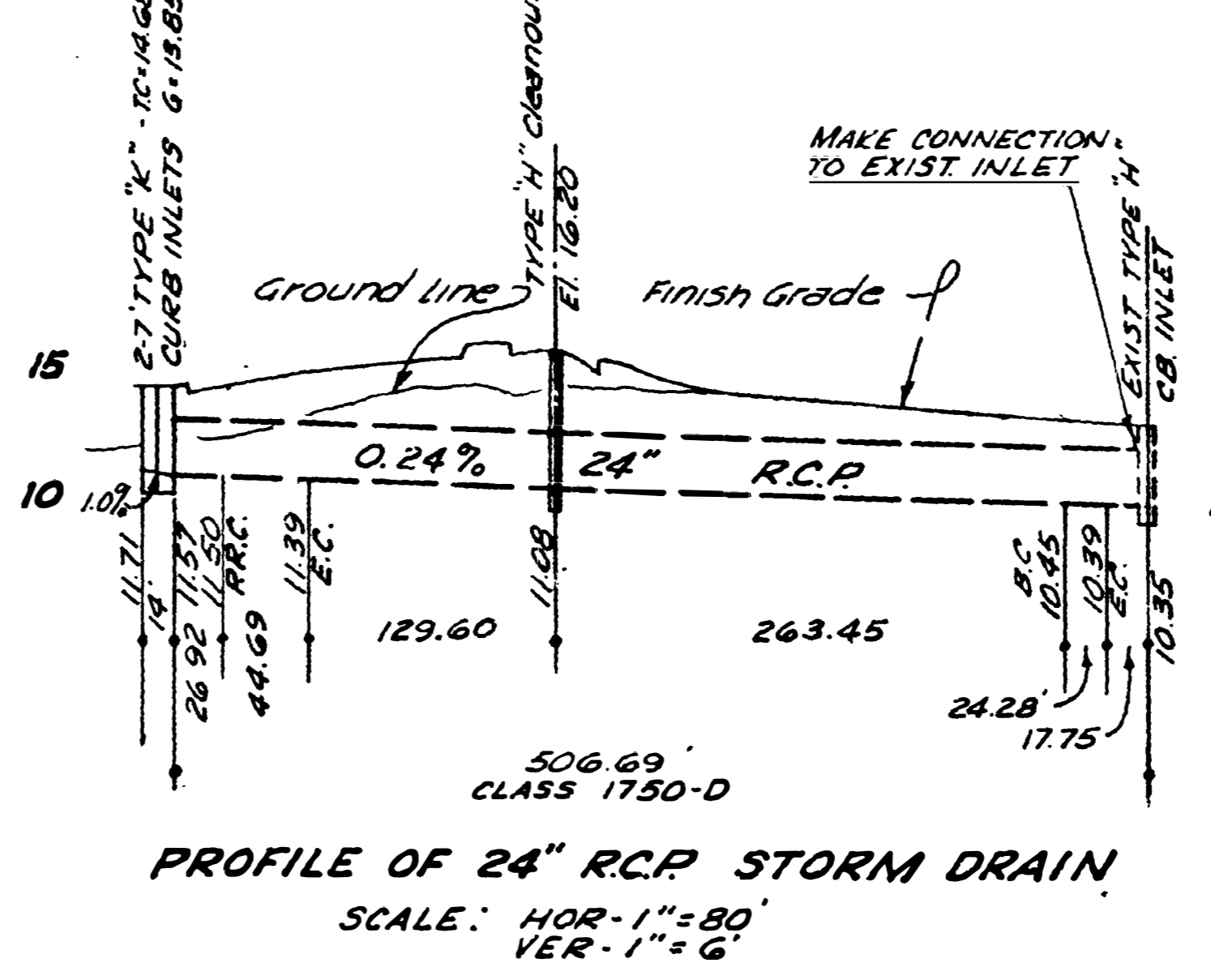
Sheet 9	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	23 Sheets
SEWERS in OLD SAN DIEGO, J.P. JONES SUBDIVISION et al.		
APPROVED: <i>[Signature]</i> DATE: 8/6/52 CITY MANAGER		
DRAWN BY: M.L.M., E.F.W., J.T.M. CHECKED BY: [] FIELD BOOKS: 2125, 2149, 2156, 2160, 2208		
DRAWING NUMBER 9708-L		
CONSTRUCTION RECORD W.O. No 31813		
CONTRACTOR: <i>Dor Egan</i>	INSPECTOR: <i>Sturak</i>	
DATE STARTED: 4-15-53	REVISION: None	DATE COMPLETED: 11-17-53



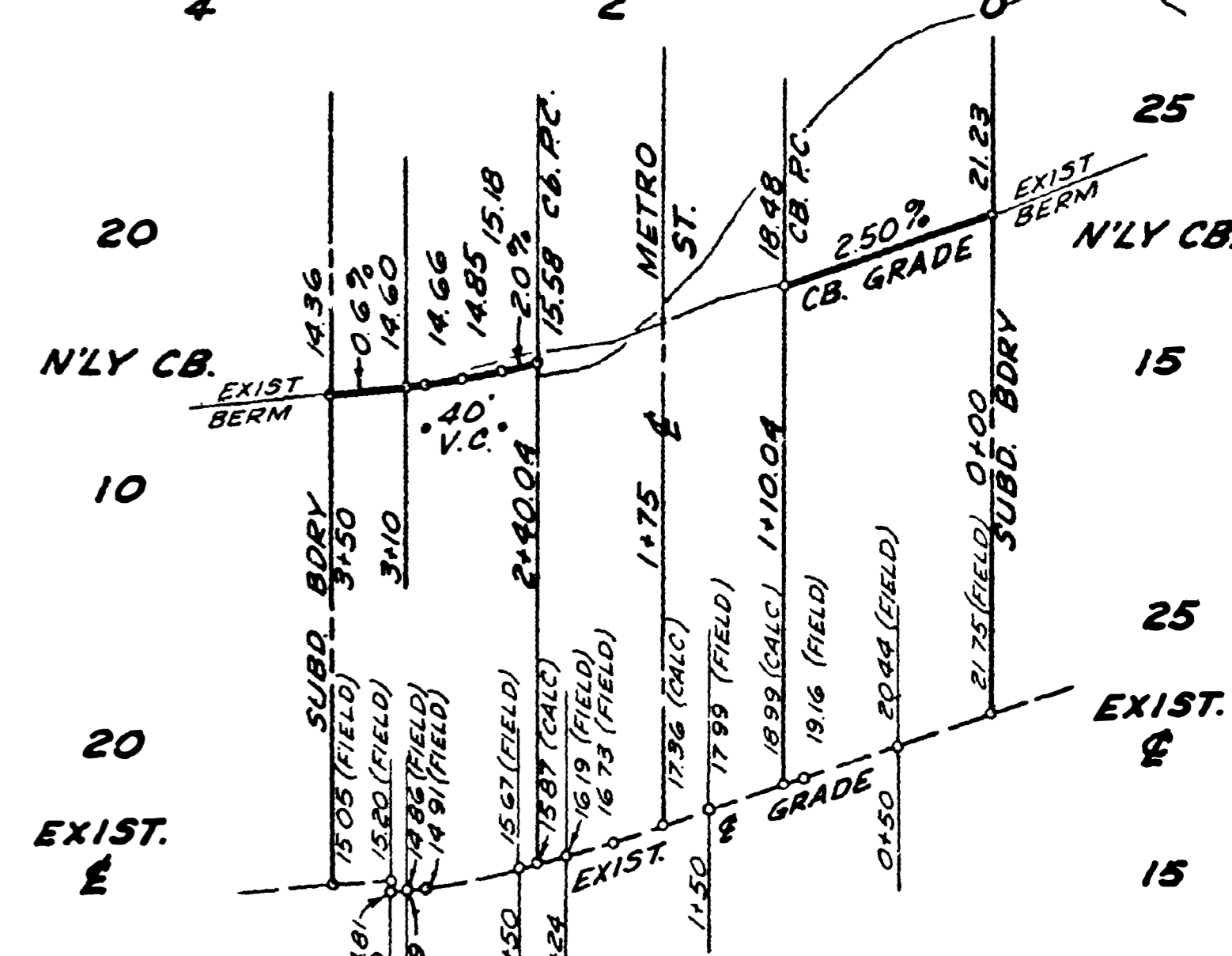
PROFILE OF METRO STREET
SCALE: HOR-1"=80', VER-1"=6'



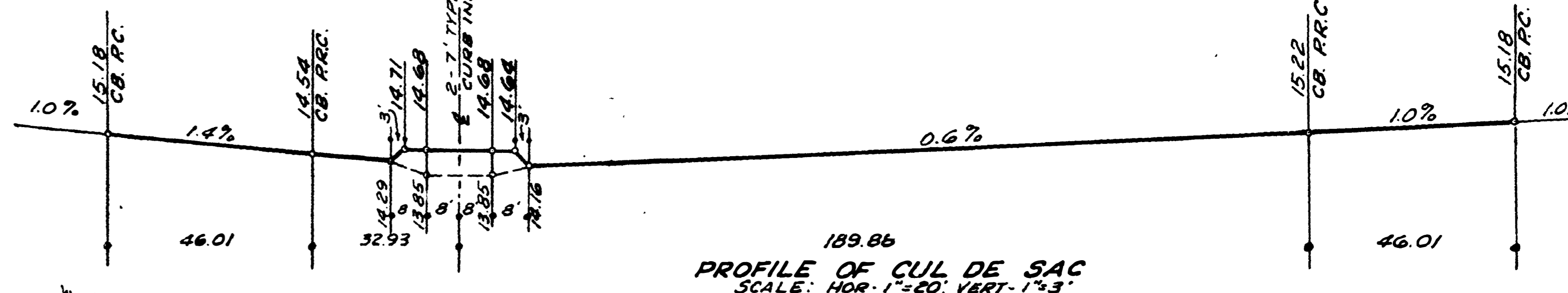
SEWER PROFILE
SCALE: HOR-1"=80', VER-1"=6'



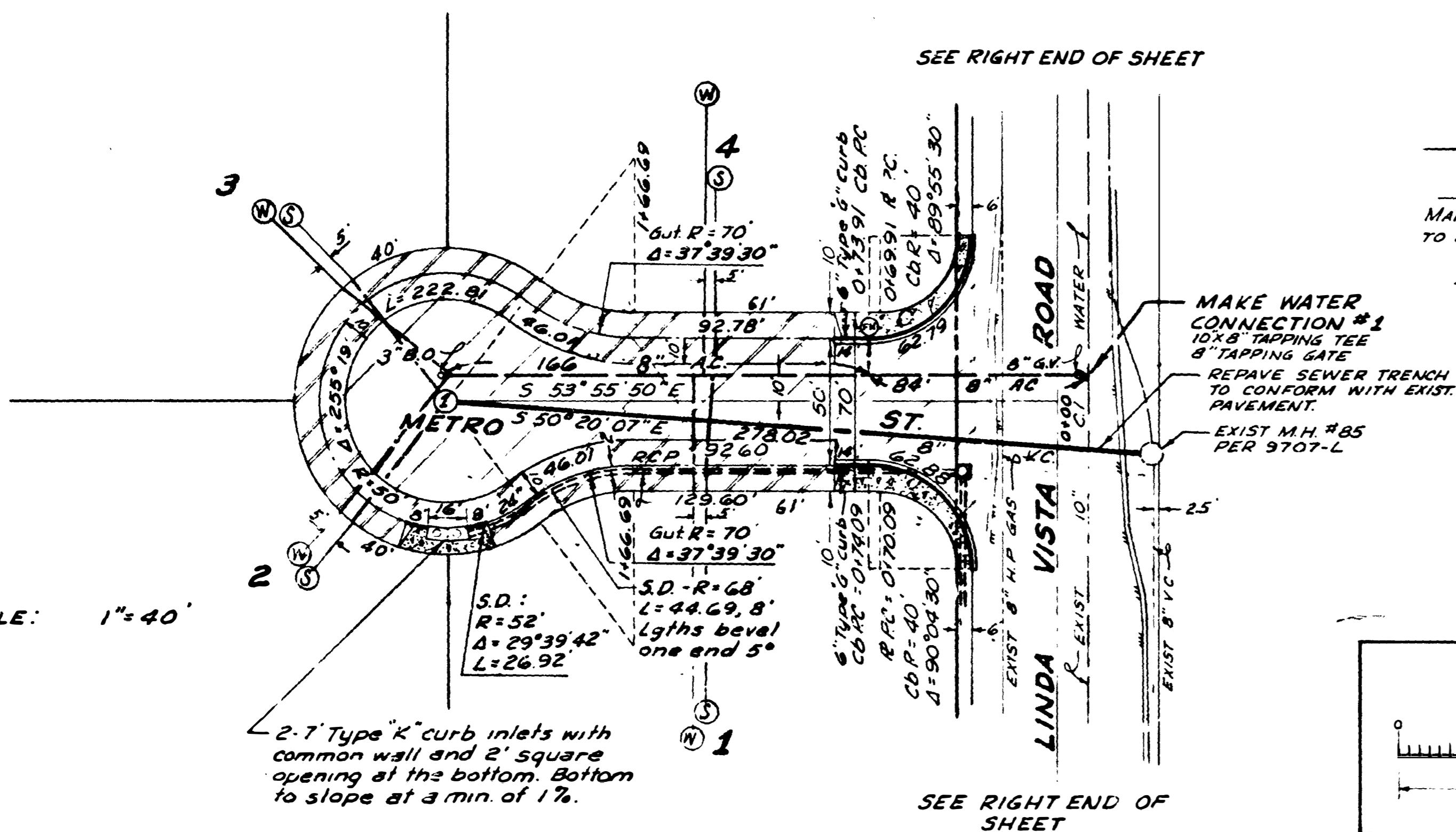
PROFILE OF 24" R.C.P. STORM DRAIN
SCALE: HOR-1"=80', VER-1"=6'



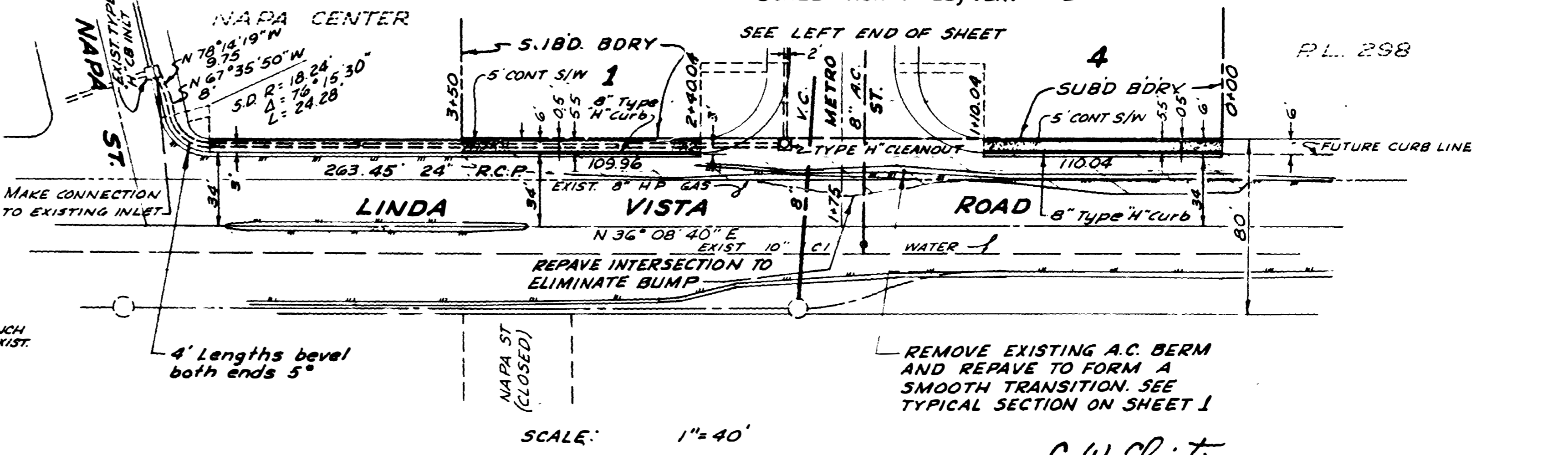
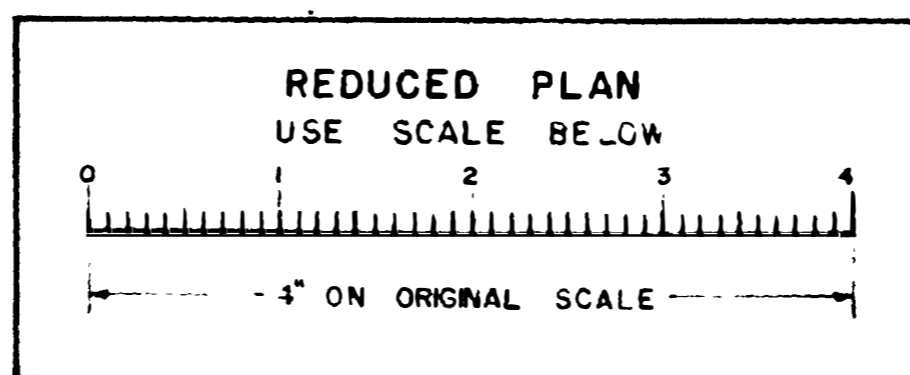
PROFILE OF LINDA VISTA ROAD
SCALE: HOR-1"=80', VER-1"=6'



PROFILE OF CUL DE SAC
SCALE: HOR-1"=20', VER-1"=3'



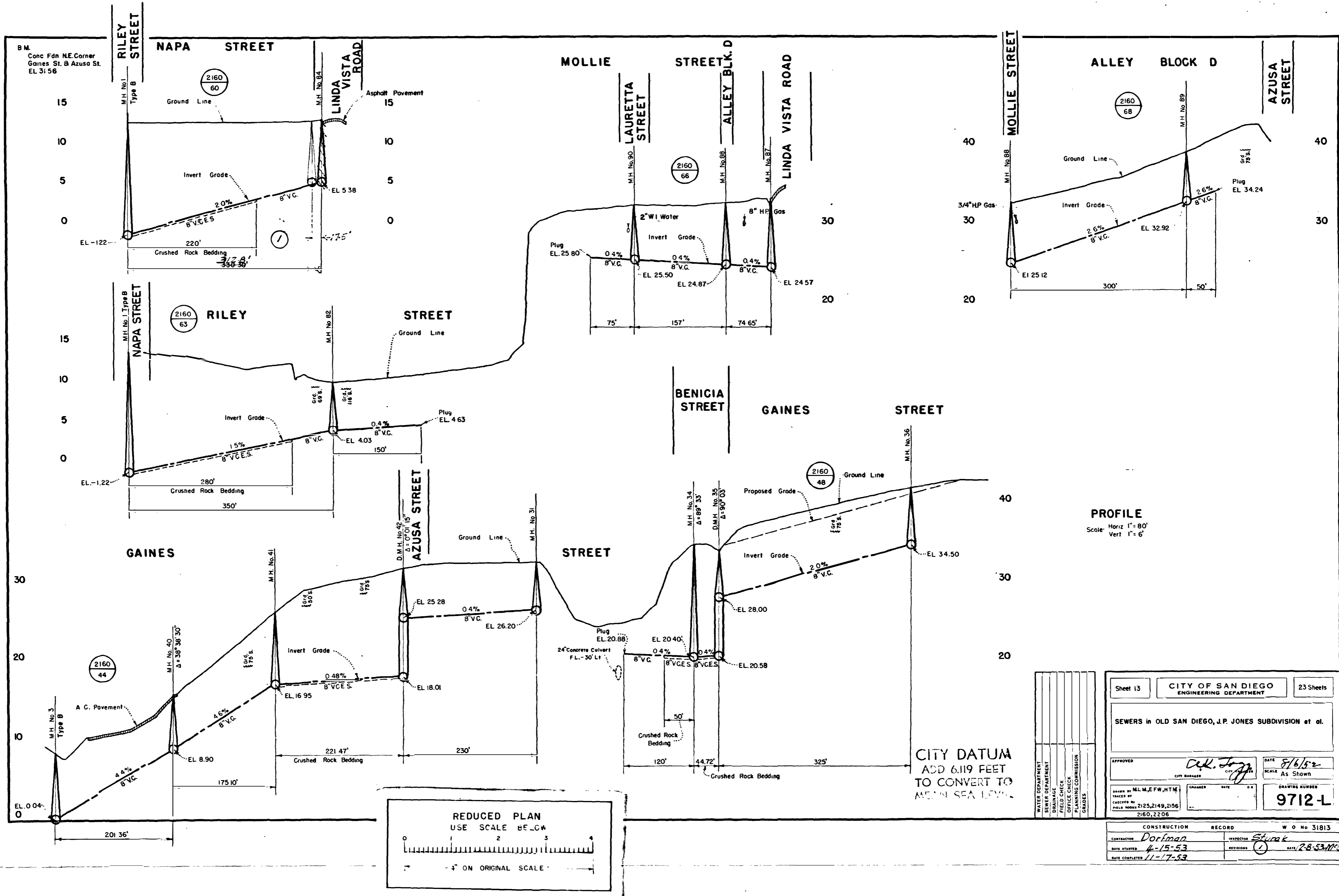
SCALE: 1"=40'



SCALE: 1"=40'

PUEBLO HEIGHTS		METRO STREET LINDA VISTA ROAD	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 2 OF 2 SHEETS	
W.D. NO. 74539		DATE 4/28/59	
PLAN REVISION	BY DATE APPROVAL	APPROVALS FOR	
AS BUILT	EWL 3-28-64	CITY ENGINEER	
CONSTRUCTION RECORD		APPROVALS FOR	
DATE STARTED 6-12-59		DATE COMPLETED 12-16-59	
CONTR. GRIFFITH CO.		INSPECTION NELSON	
FIELD BOOK		CONTROL	
		SUPERVISOR G. WINTON	
		DESIGNED S. CALACALONE	
		7195 D	

C.W. Cl... (Signature)



PROFILE
Scale: Horiz 1" = 80'
Vert 1" = 6'

CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

Sheet 13	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	23 Sheets
SEWERS in OLD SAN DIEGO, J.P. JONES SUBDIVISION et al.		
APPROVED	<i>Carl J. Jones</i> CITY ENGINEER	DATE 8/6/52
SCALE	As Shown	DRAWING NUMBER
DRAWN BY M.L.M., E.F.W., H.T.M.		9712-L
CHECKED BY		
FIELD NUMBER 2125, 2149, 2156		
2160, 2206		
CONSTRUCTION RECORD W O No 31813		
CONTRACTOR	<i>Dortman</i>	INSPECTOR
DATE STARTED	4-15-53	REVISIONS
DATE COMPLETED	11-17-53	DATE 2-8-53 MCO

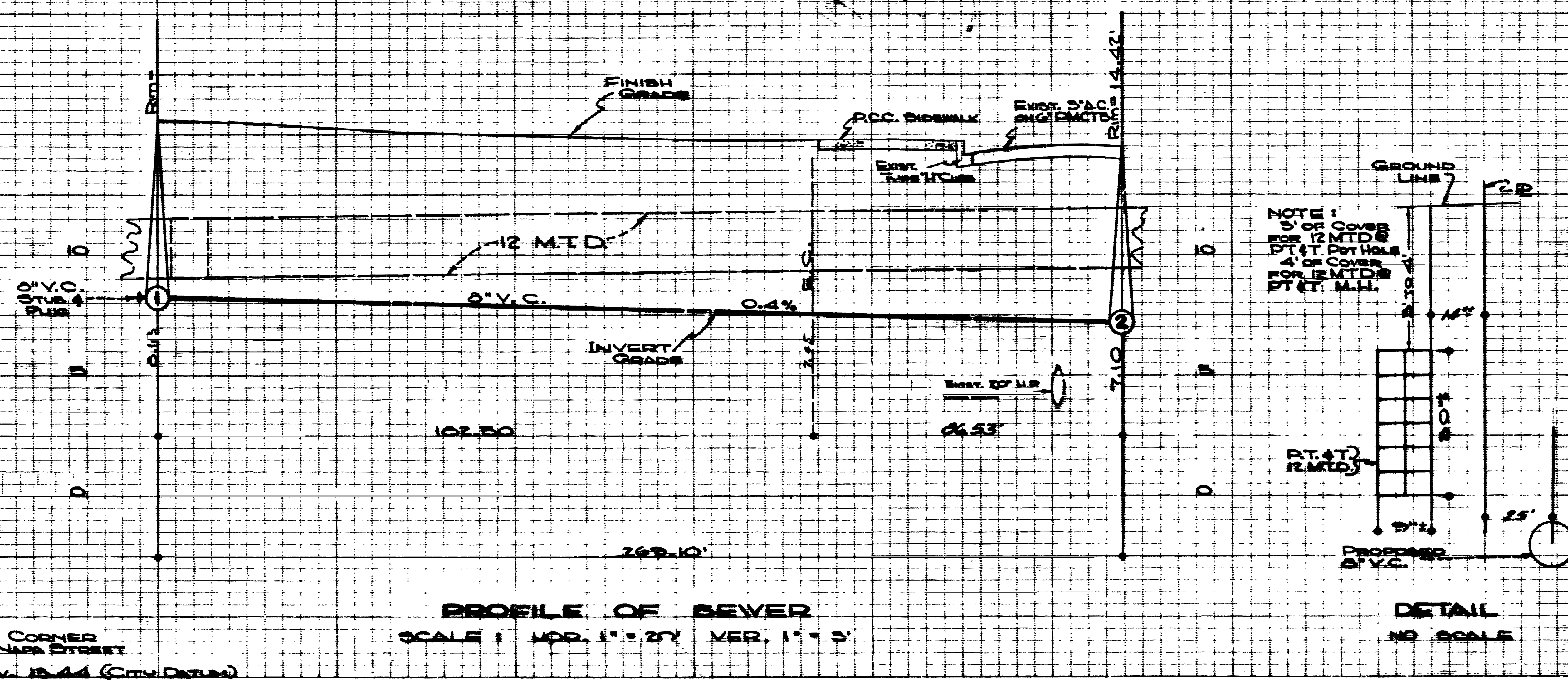
WORK TO BE DONE
 THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THE CITY PLANS AND THE FOLLOWING STANDARD DRAWINGS AND SPECIFICATIONS OF THE CITY OF SAN DIEGO.

SPECIFICATIONS
 PART 1, FILED APRIL 9, 1958 INCLUDING AMENDMENT FILED APRIL 9, 1959, GENERAL CONDITIONS FOR PRIVATE CONTRACT WORK SECTION 50.

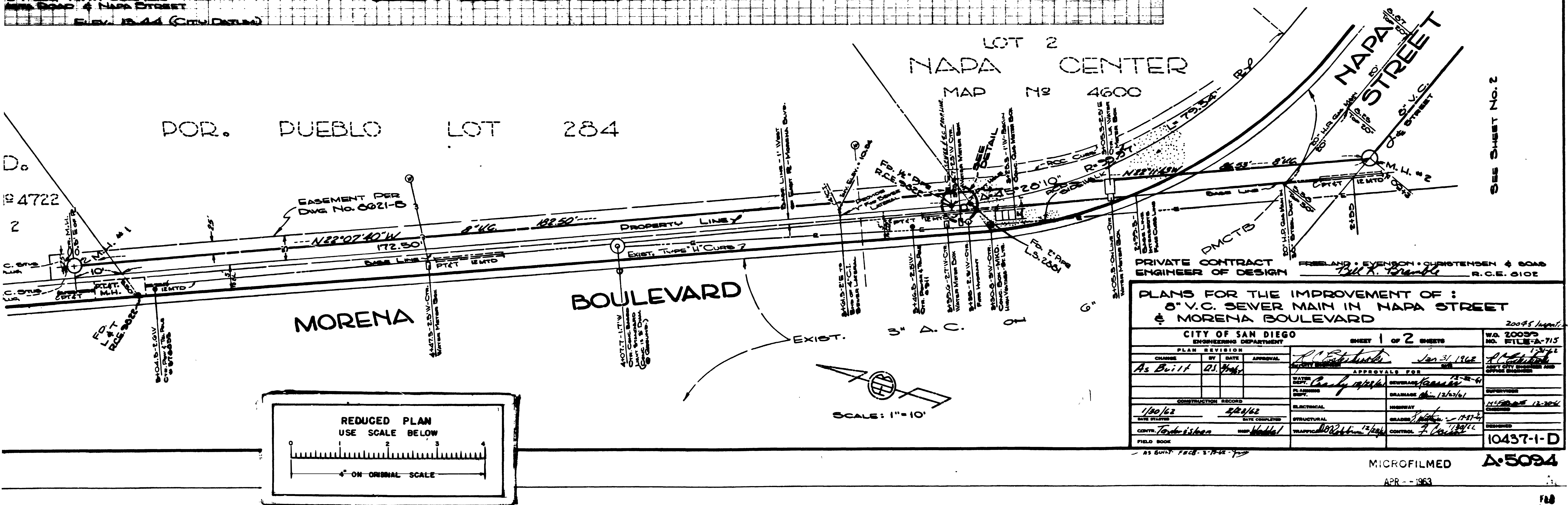
IMPROVEMENTS STD. DVG'S. SYMBOL
 V.C.P. SEWER MAIN 6-1-55
 CONCRETE MANHOLE 6-50-50, M-25 ST.

PROPERTY ACQUISITION
 0021-B SEWER EASEMENT

TRAFFIC NOTE:
 2 WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON NAPA ST. / MORENA BLVD.



6 PLUS - N.W. CORNER
 MORENA ROAD & NAPA STREET
 ELEV. 1244 (CITY DATUM)



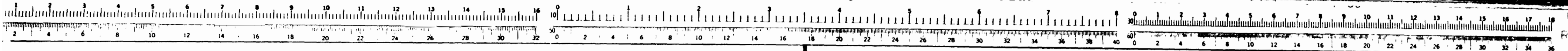
PRIVATE CONTRACT ENGINEER OF DESIGN
 FREELAND • EVENSON • CHRISTENSEN & SOAS
 Bill K. Bramble R.C.E. 0102

PLANS FOR THE IMPROVEMENT OF :
 8" V.C. SEWER MAIN IN NAPA STREET
 & MORENA BOULEVARD

CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 1 of 2 SHEETS		WA 20095 NO. FILE-A-715
PLAN REVISION		APPROVALS FOR		20095 (Legal)
CHANGE	BY DATE	APPROVAL	DATE	1/27/62
As Built	AS	AS	Jan 31, 1962	AS
CONSTRUCTION RECORD		APPROVALS FOR		1/27/62
DATE STARTED	DATE COMPLETED	WATER	SEWERAGE	12-22-61
1/30/62	2/21/62	PLANNING	DRAMA	12-20-61
CONY: Tordisban	W: Nadel	ELECTRICAL	ROADWAY	12-20-61
FIELD BOOK		STRUCTURAL	GRADING	12-20-61
		TRAFFIC	CONTROL	12-20-61
				10437-1-D

SEE SHEET NO. 2

MICROFILMED
 APR - 1963
 A-5094



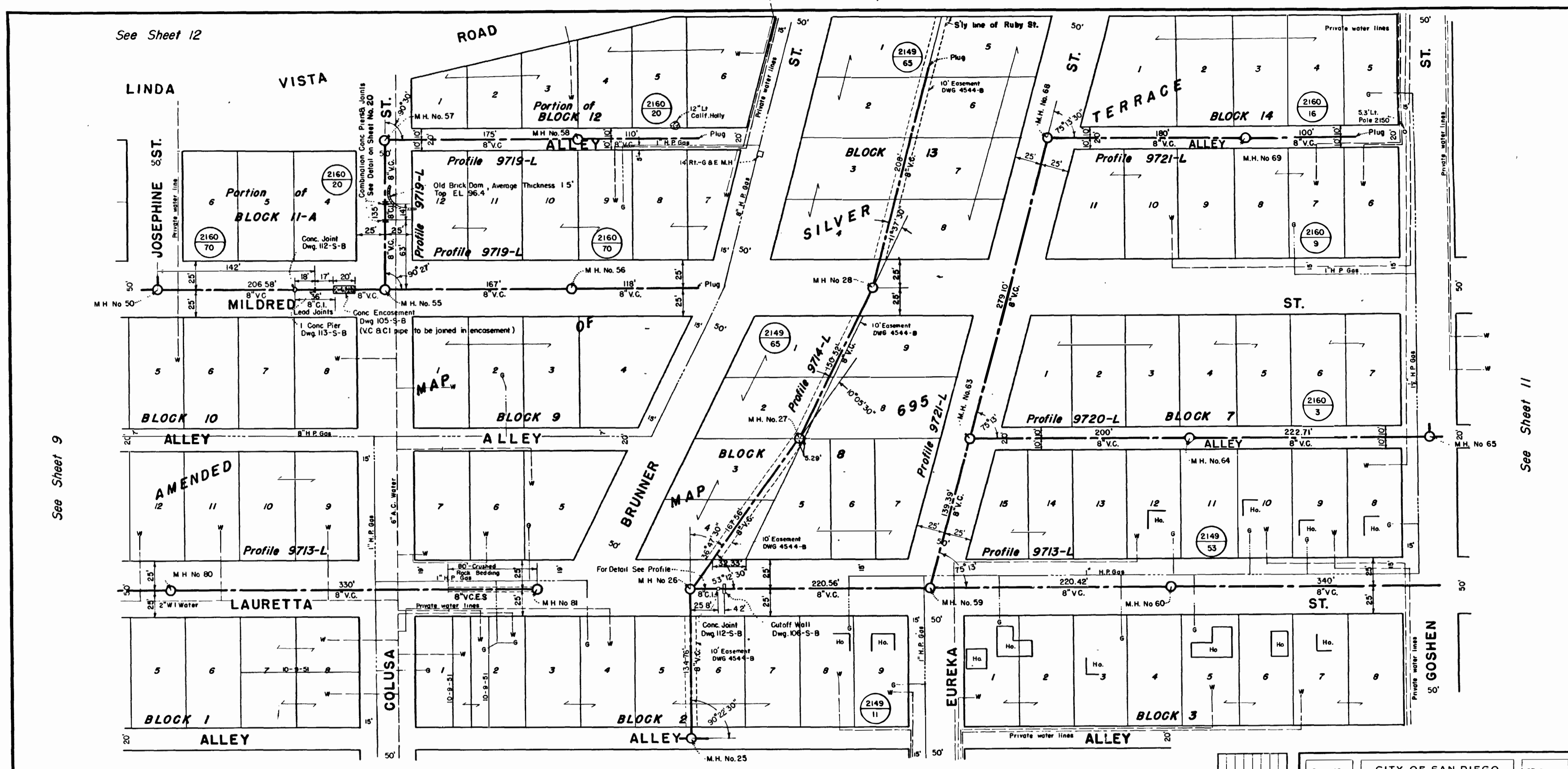
Lots 1, 2, 5, 6, 7 & 8, Blk. 13 - Lots 5 & 6, Blk. 2
 HERBERT KELLY, Jr et al, Sewer esmt. Donation
 C.C.D. 453486, Rec. Bk. 4558, Pg. 263, O.R. 8-14-52
 Res. 107909, 8-7-52, Accepts
 Lots 3 & 4, Blk. 13
 WILLIAM REID, Sewer esmt. Donation
 C.C.D. 452598, Rec. Bk. 4539, Pg. 550, O.R. 7-28-52
 Res. 107693, 7-24-52, Accepts
 Lots 1 & 2, Blk. 8
 ALBERT KEMP Jr et ux, Sewer esmt. Donation
 C.C.D. 451404, Rec. Bk. 4513, Pg. 585, O.R. 7-2-52
 Res. 107345, 6-26-52, Accepts
 Lots 3 & 4, Blk. 8
 ANITA GARRISON, Sewer esmt. Donation
 C.C.D. 451400, Rec. Bk. 4513, Pg. 579, O.R. 7-2-52
 Res. 107343, 6-26-52, Accepts

LINDA VISTA ROAD
 TERRACE STREET
 SILVER STREET
 BLOCK 13
 695' STREET
 MILDRED STREET
 OF 4
 BRUNNER STREET
 MAP 15
 MAP 14
 LAURETTA STREET
 AMENDED ALLEY
 BLOCK 2
 EUREKA STREET
 BUEY STREET

FEB 21 1963
 MICROFILMED
 MAR -- 1963
 ACQUIRED
 Easement required shown shaded thus:

DRAWN BY <i>E.F. McLean</i> CHECKED BY <i>A.M. Cole</i> FIELD BOOKS 2149 <i>A.L. Hagg</i> CITY MANAGER	CITY OF SAN DIEGO - ENGINEERING DEPARTMENT Plat showing Easements to be acquired in Blocks 2, 8 and 13, Silver Terrace for the proposed SANITARY SEWER.	DATE <i>4/16/52</i> SCALE 1" = 100' DRAWING NUMBER 4544 - B
--	--	---

FORM 147 (500 8-51) NO. 31813



See Sheet 12

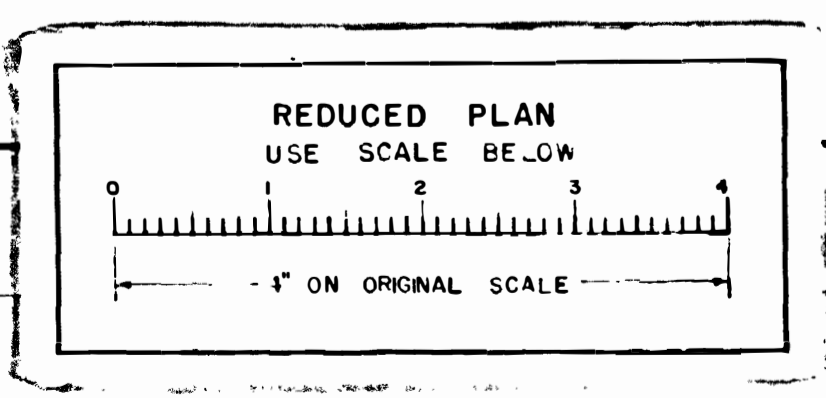
See Sheet 9

See Sheet 11

See Sheet 7

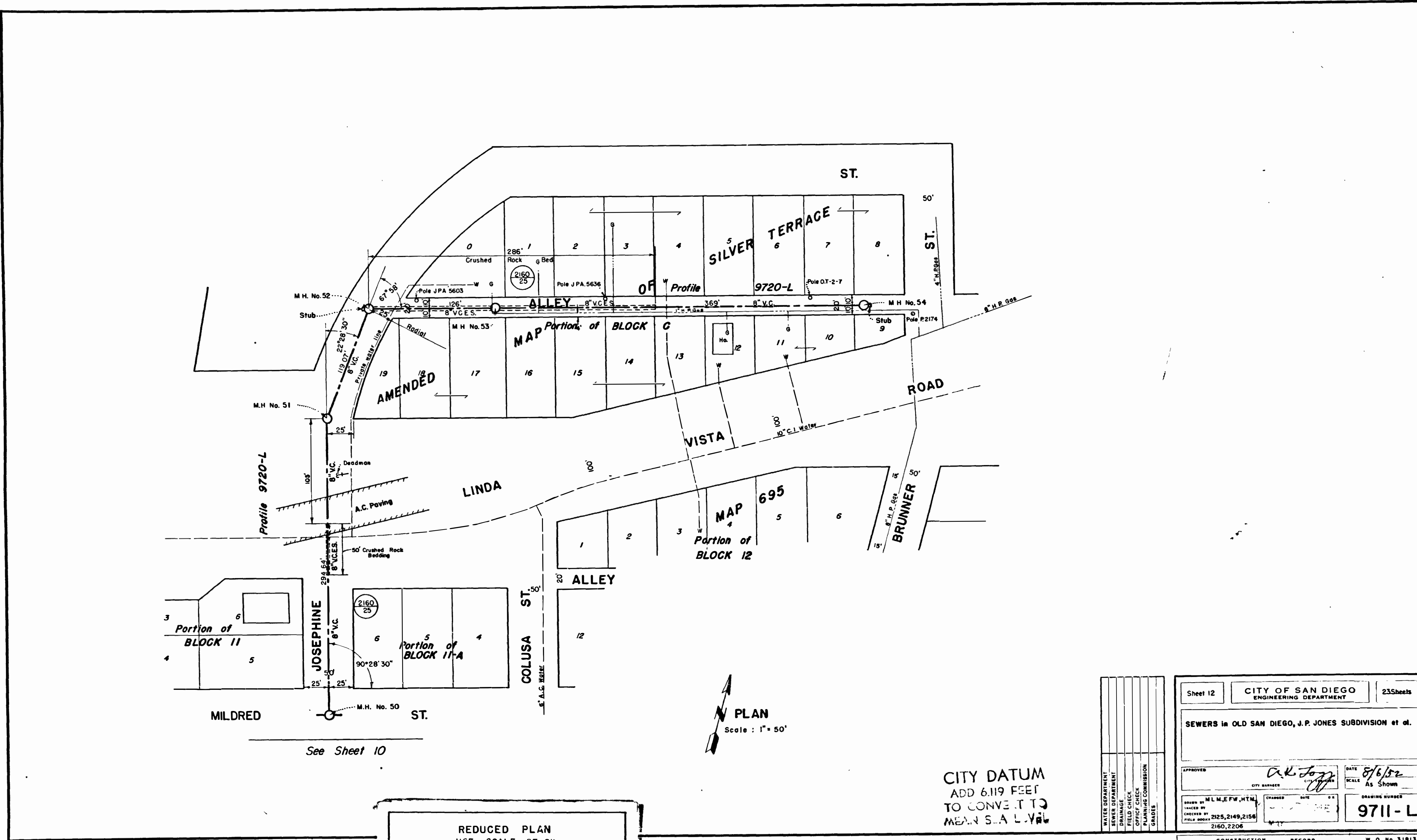


PLAN
Scale: 1" = 50'



CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN S.A. LEVEL

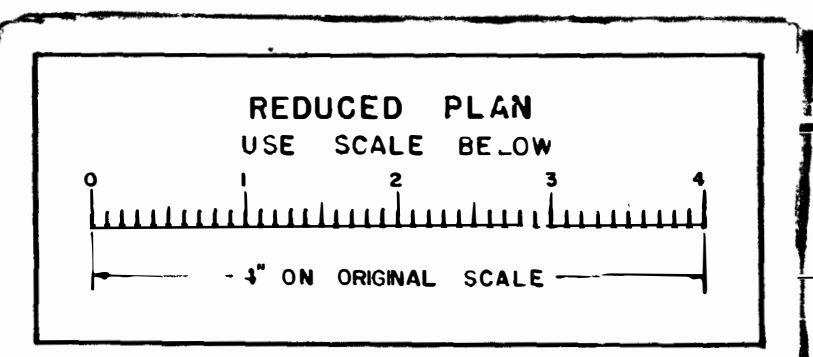
Sheet 10	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	23 Sheets
SEWERS in OLD SAN DIEGO, J. P. JONES SUBDIVISION et al.		
APPROVED	<i>[Signature]</i>	DATE 8/6/52
CITY ENGINEER	CITY	SCALE As Shown
DRAWN BY M.L.M.F.W./ATM	CHECKED BY	DWG. NO. 9709-LX
FIELD NO. 2125, 2149, 2156	DATE 4-15-53	REVISIONS None
2160, 2206	DATE COMPLETED 11-17-53	W. O. No 31813
CONTRACTOR <i>Dartman</i>	INSPECTOR <i>Sturak</i>	



See Sheet 10

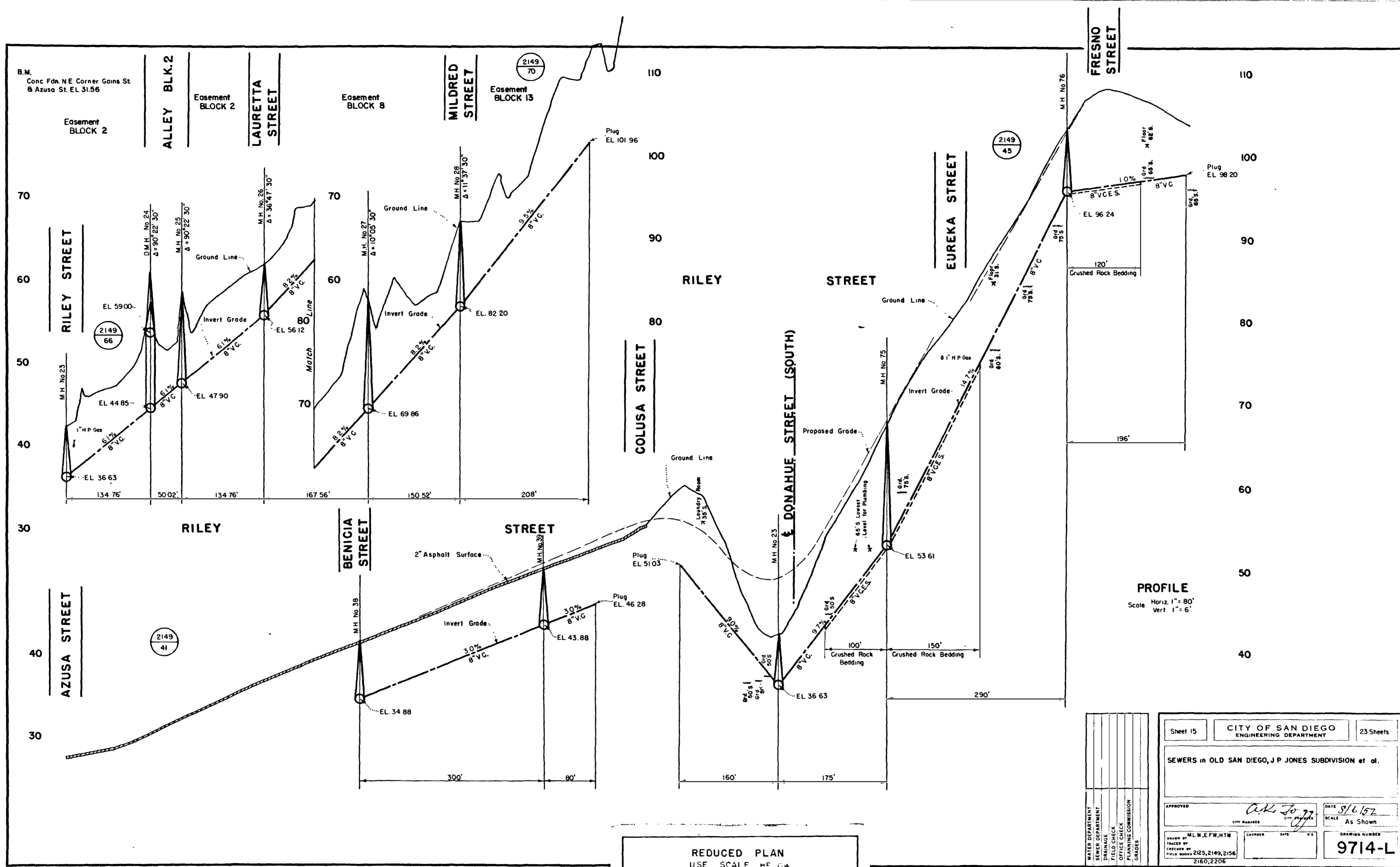
PLAN
Scale : 1" = 50'

CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

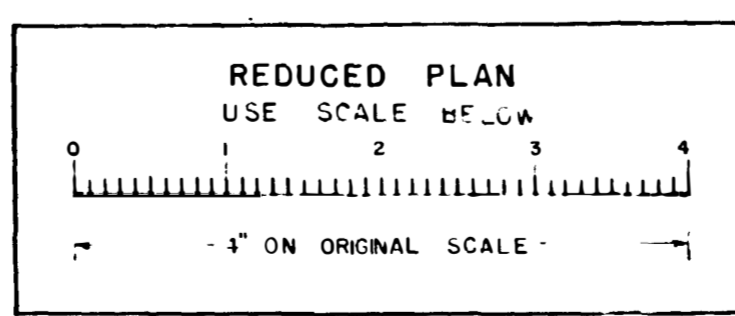


Sheet 12	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	23 Sheets
SEWERS in OLD SAN DIEGO, J.P. JONES SUBDIVISION et al.		
APPROVED <i>A.K. Jozz</i> CITY ENGINEER	DATE 8/6/52	SCALE As Shown
DRAWN BY MLM, EFW, HTM	CHECKED BY 2125, 2149, 2156	DRAWING NUMBER 9711-L
FILE NO. 2160, 2206	DATE 4-15-53	REVISIONS None
CONTRACTOR Dorfman	INSPECTOR Sturak	W.O. No 31813
DATE COMPLETED 11-17-53	DATE 2-8-52	

WATER DEPARTMENT
SEWER DEPARTMENT
PLANNING COMMISSION
FIELD CHECK
OFFICE CHECK
GRADE



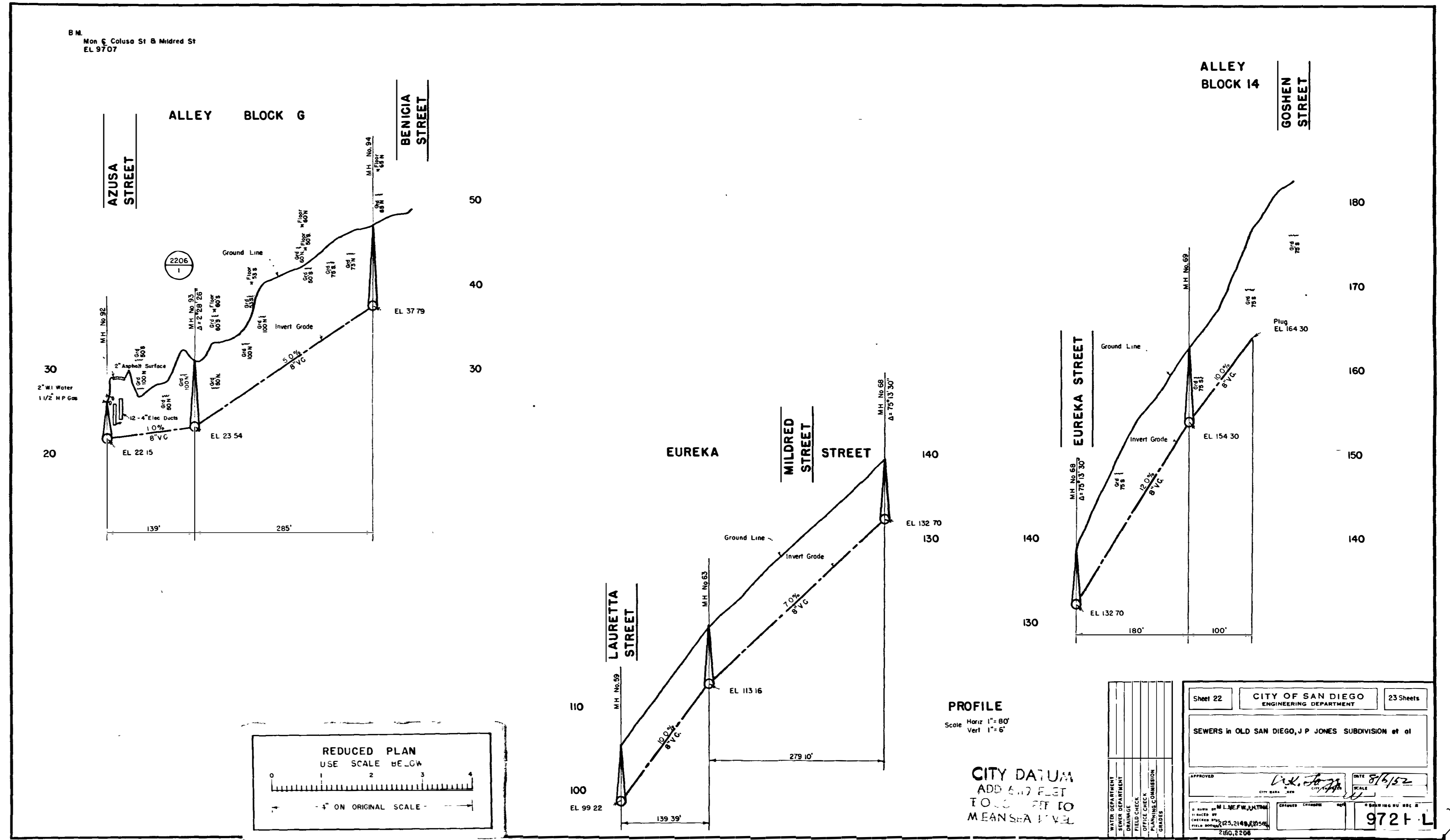
PROFILE
 Scale Horiz. 1" = 80'
 Vert. 1" = 6'



WATER DEPARTMENT	
SEWER DEPARTMENT	
DRAINAGE	
FIELD CHECK	
OFFICE CHECK	
PLANNING COMMISSION	
COUNCIL	

Sheet 15	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	23 Sheets
SEWERS in OLD SAN DIEGO, J.P. JONES SUBDIVISION et al.		
APPROVED	<i>A.K. To...</i> CITY ENGINEER	DATE 9/16/52 SCALE As Shown
DRAWN BY M.L.M.E.F.W.H.T.M.	CHANGED	DATE
TRACED BY	FIELD BOOKS 2125, 2149, 2156	DRAWING NUMBER 9714-L
DATE COMPLETED 11-17-53	2160, 2206	

CONSTRUCTION RECORD		W.O. No. 31813
CONTRACTOR <i>Darkman</i>	INSPECTOR <i>Stucak</i>	
DATE STARTED 4-15-53	REVISION <i>Done</i>	DATE 12-23-59
DATE COMPLETED 11-17-53		



B.M.
Mon & Colusa St & Mildred St
EL 97.07

ALLEY BLOCK G

AZUSA STREET

BENICIA STREET

2" MI Water
1 1/2" N.P.C.M.

2206

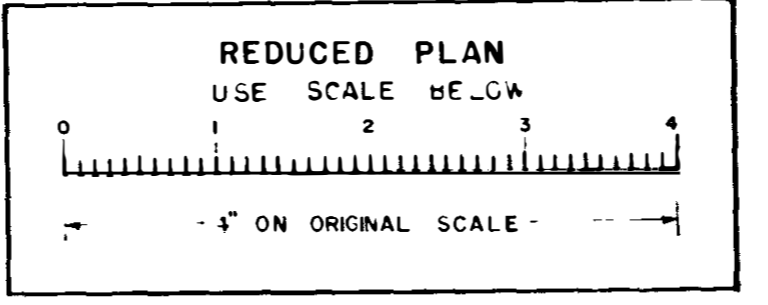
EL 22.15

EL 23.54

EL 37.79

139'

285'



EUREKA

MILDRED STREET

EL 113.16

EL 132.70

EL 99.22

EL 110

139.39'

EL 113.16

EL 132.70

279.10'

PROFILE
Scale: Horiz 1" = 80'
Vert 1" = 6'

CITY DATUM
ADD 6.17 FEET
TO CORNER OF
MEANS SEA LEVEL

ALLEY BLOCK 14

GOSHEN STREET

EUREKA STREET

EL 132.70

EL 154.30

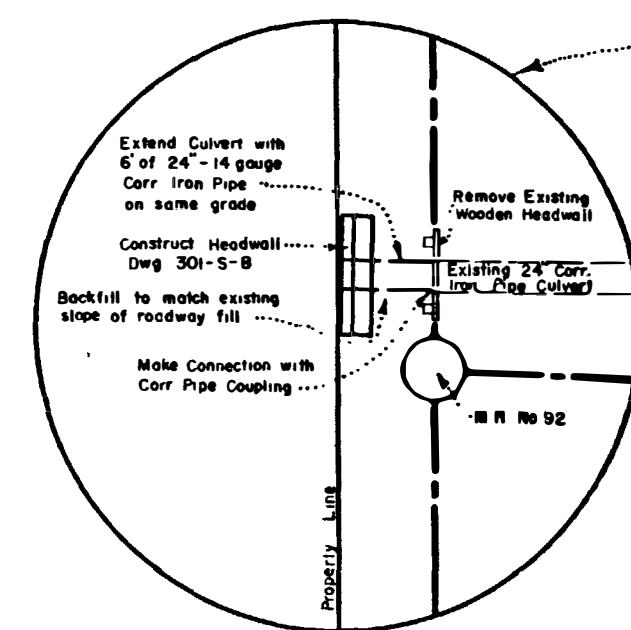
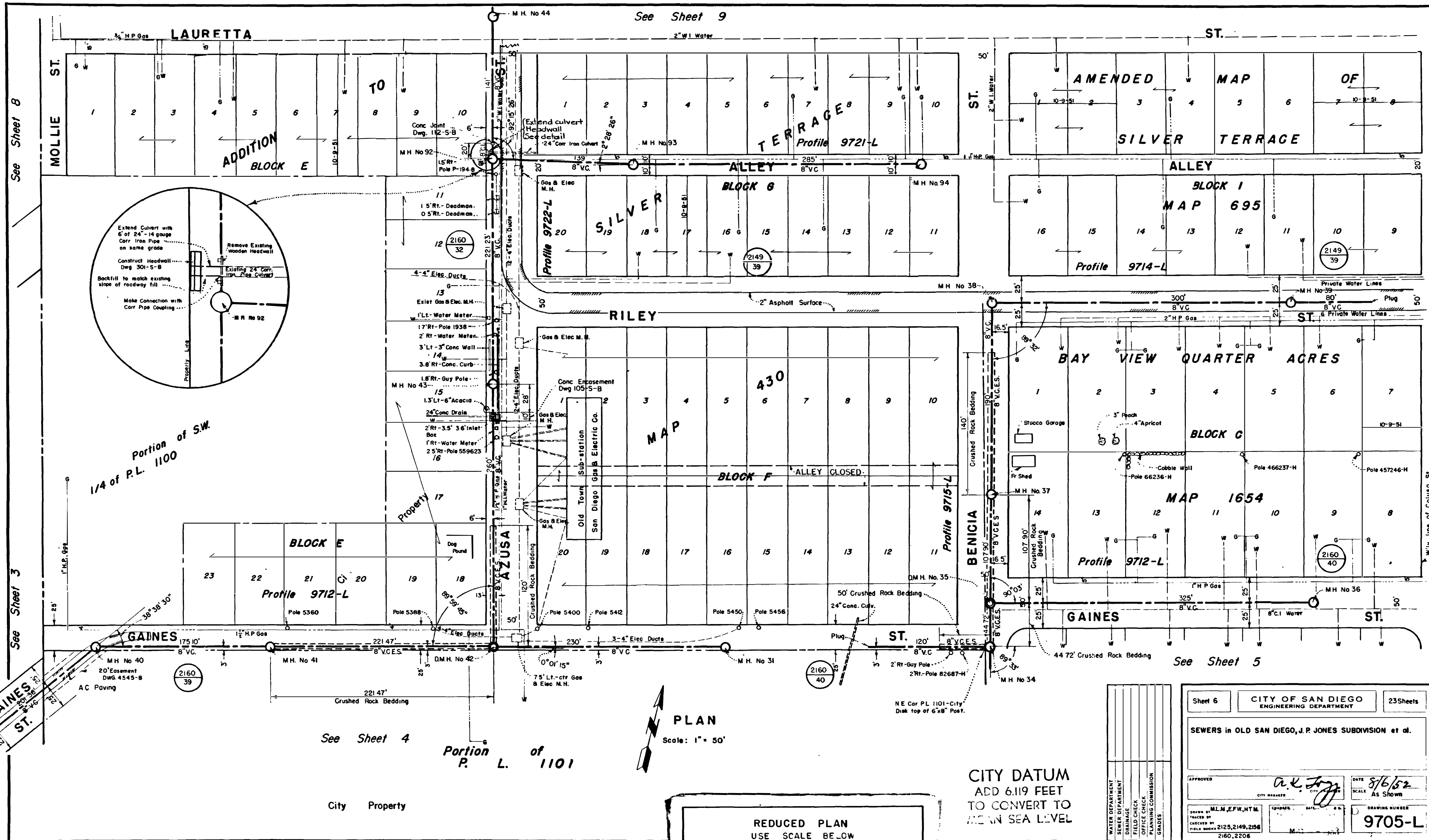
EL 164.30

180'

100'

WATER DEPARTMENT	ENGINEER	DESIGNED	CHECKED	APPROVED
SEWER DEPARTMENT	INSPECTOR	FIELD CHECK	OFFICE CHECK	CONSTRUCTION

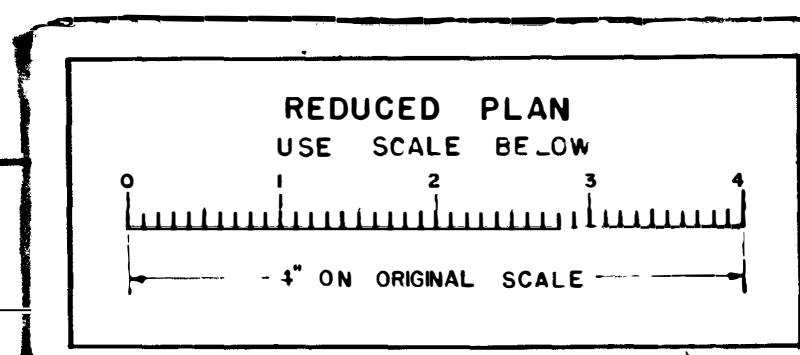
Sheet 22	CITY OF SAN DIEGO	23 Sheets
ENGINEERING DEPARTMENT		
SEWERS in OLD SAN DIEGO, J.P. JONES SUBDIVISION of et		
DATE	8/16/52	
BY		
CHECKED BY		
DATE		
PROJECT NO.	25,318,820	
DATE	250,2208	
CONSTRUCTION	RECORD	NO. 31813
DATE	4-15-53	DATE
BY	None	DATE
DATE	11-17-53	



Portion of S.W. 1/4 of P.L. 1100

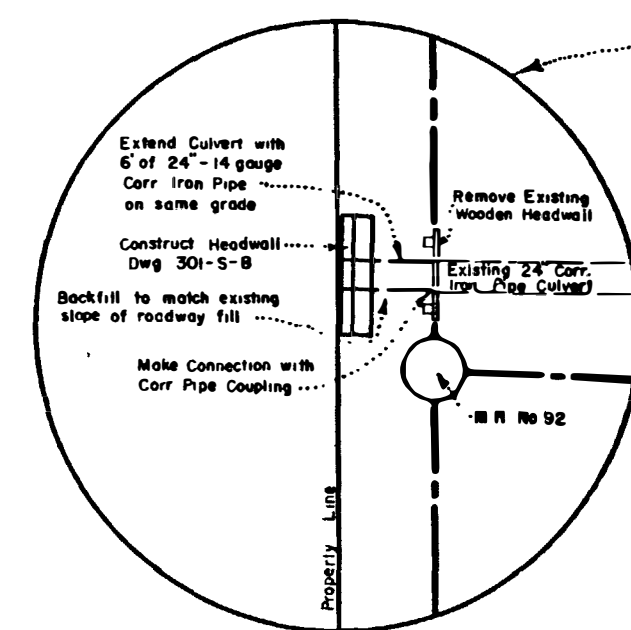
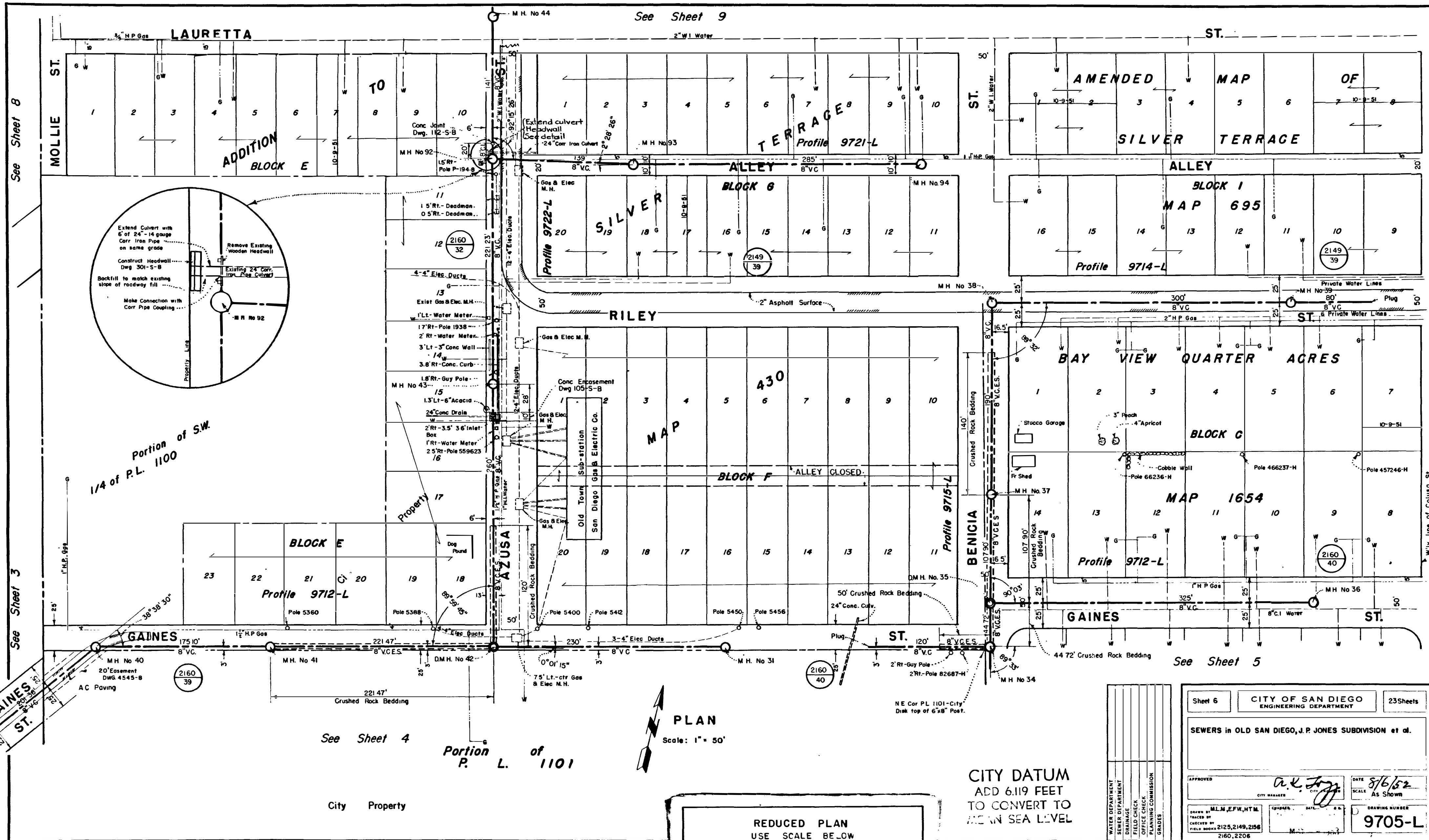
See Sheet 4
Portion P. L. of 1101

PLAN
Scale: 1" = 50'



CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

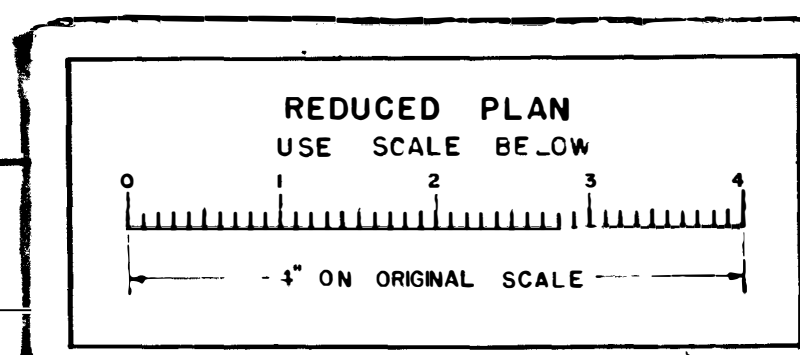
Sheet 6	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	235Sheets
SEWERS in OLD SAN DIEGO, J.P. JONES SUBDIVISION et al.		
APPROVED	<i>A.L. Fry</i>	DATE 8/6/52
CITY ENGINEER		SCALE As Shown
DESIGNED BY M.L.M., E.F.W., H.T.M.	CHECKED BY	DRAWING NUMBER 9705-L
TRACED BY	OFFICE CHECK	
FIELD NO. 2125, 2149, 2156	PLANNING COMMISSION	
2160, 2206	GRADES	
CONSTRUCTION RECORD		W O No 31813
CONTRACTOR <i>Dorkman</i>	INSPECTOR <i>Sturak</i>	
DATE STARTED 4-15-53	REVISIONS <i>None</i>	DATE 12-8-53
DATE COMPLETED 11-17-53		



Portion of S.W. 1/4 of P.L. 1100

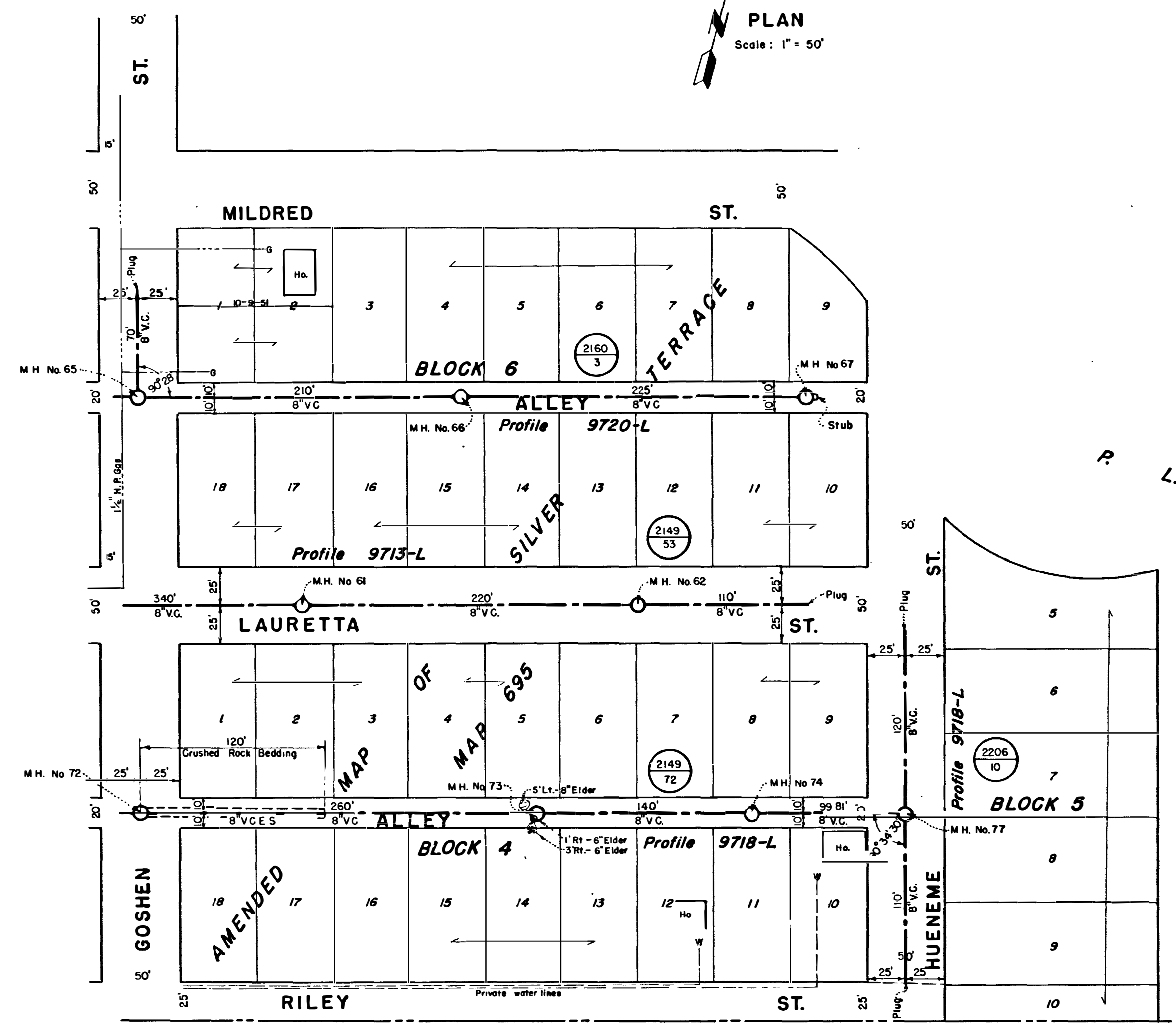
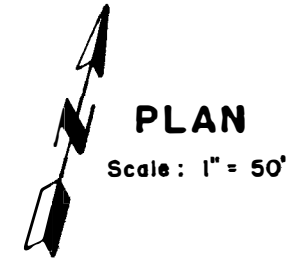
See Sheet 4
Portion P. L. of 1101

PLAN
Scale: 1" = 50'



CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

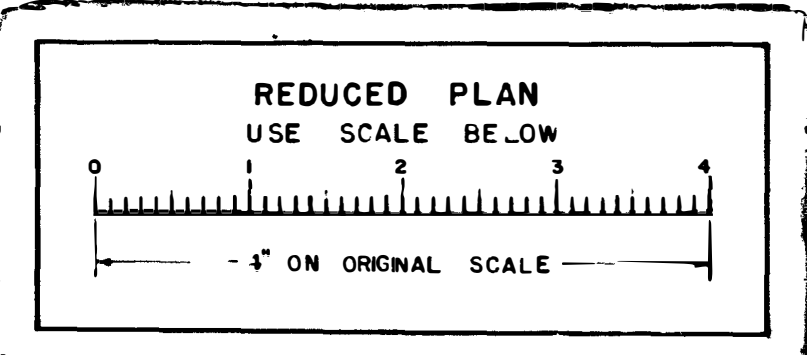
Sheet 6	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	23Sheets
SEWERS in OLD SAN DIEGO, J.P. JONES SUBDIVISION et al.		
APPROVED	<i>A.L. Fry</i>	DATE 8/6/52
CITY ENGINEER		SCALE As Shown
DESIGNED BY M.L.M., E.F.W., H.T.M.	CHECKED BY	DRAWING NUMBER 9705-L
TRACED BY	FIELD NO. 2125, 2149, 2156	
DATE CORRECTED 11-17-53	2160, 2206	
CONSTRUCTION RECORD		W O No 31813
CONTRACTOR <i>Dorkman</i>	INSPECTOR <i>Sturak</i>	
DATE STARTED 4-15-53	REVISIONS <i>None</i>	DATE 12-8-53



See Sheet 10

R. L. 1177

R. L. 1176

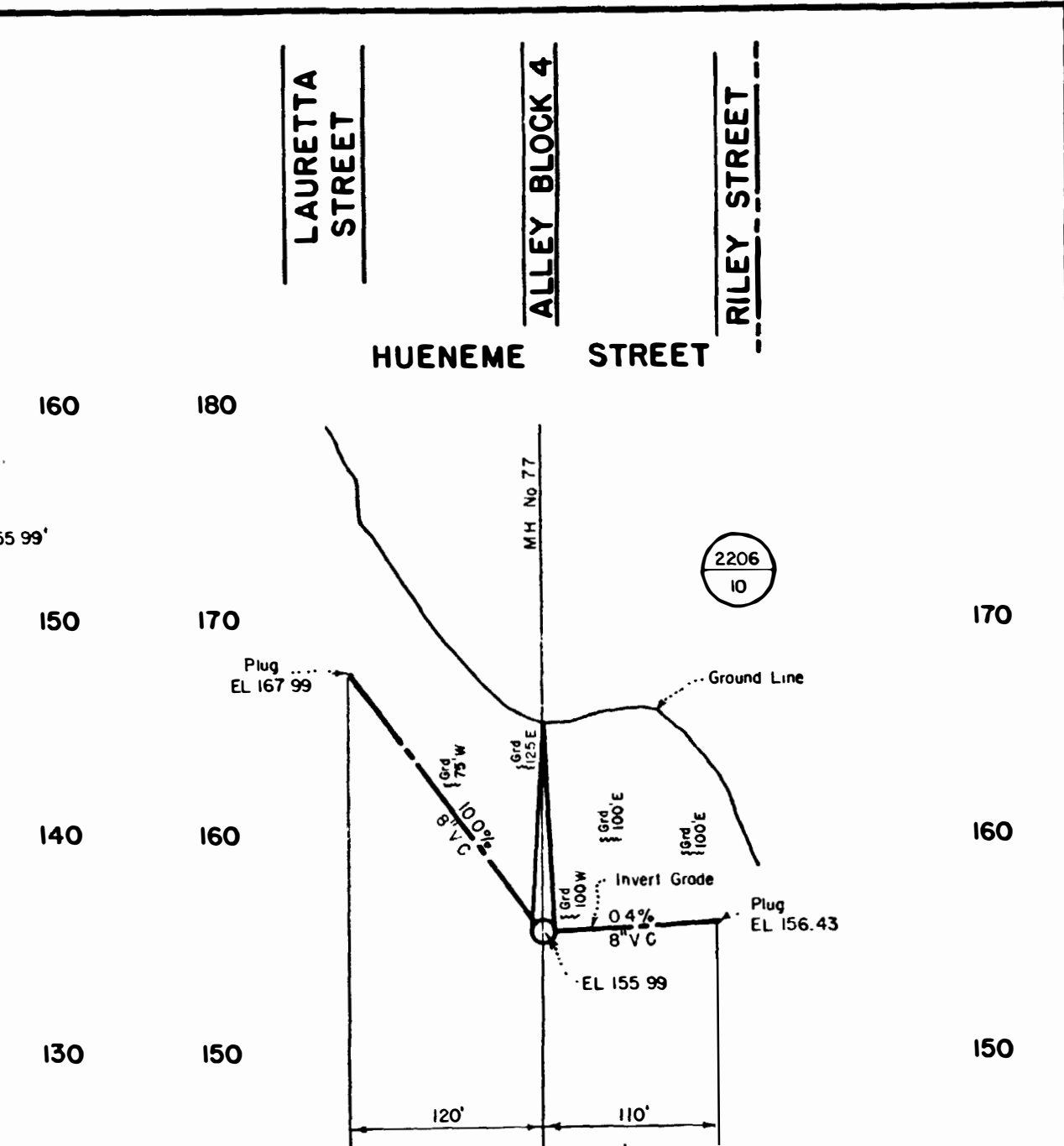
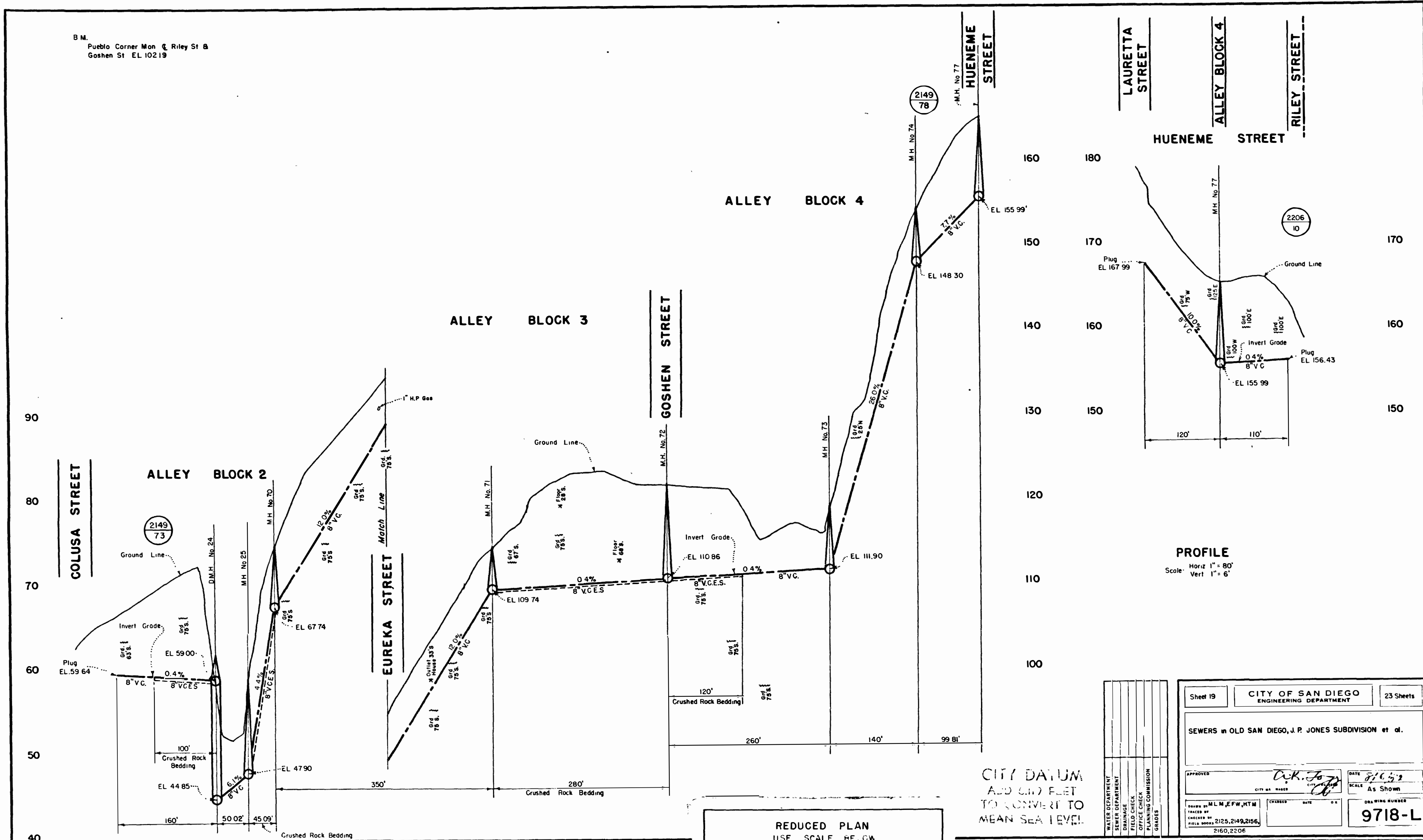


CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

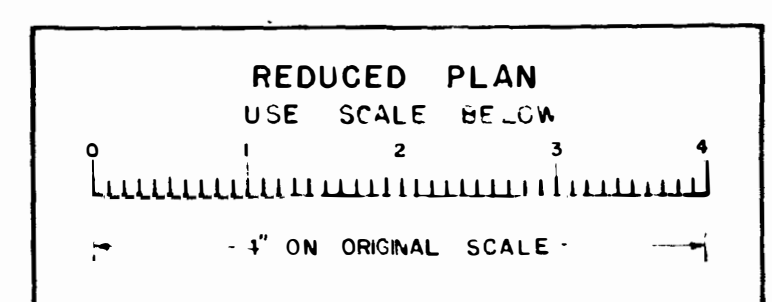
WATER DEPARTMENT
SEWER DEPARTMENT
FIELD CHECK
OFFICE CHECK
PLANNING COMMISSION
GRUBBS

Sheet 11	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	23 Sheets
SEWERS in OLD SAN DIEGO, J.P. JONES SUBDIVISION et al.		
APPROVED	<i>A.L. Jones</i> CITY ENGINEER	DATE 8/6/52 SCALE As Shown
DRAWN BY M.L.M., E.F.W., H.T.M.	CHECKED BY M.L.M.	DRAWING NUMBER 9710-L
FIELD BOOKS 2125, 2149, 2156	2160, 2206	
CONSTRUCTION RECORD	W O No. 31813	
CONTRACTOR <i>Dartman</i>	INSPECTOR <i>Stuck</i>	
DATE STARTED 4-15-53	DATE STOPPED None	DATE 12-53 or M90
DATE COMPLETED 11-17-53		

B.M.
Pueblo Corner Mon @ Riley St &
Goshen St EL 102.19

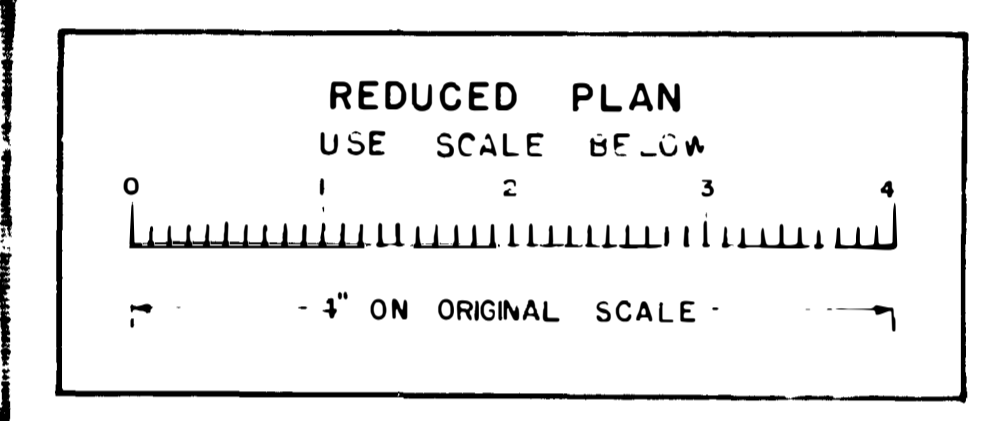
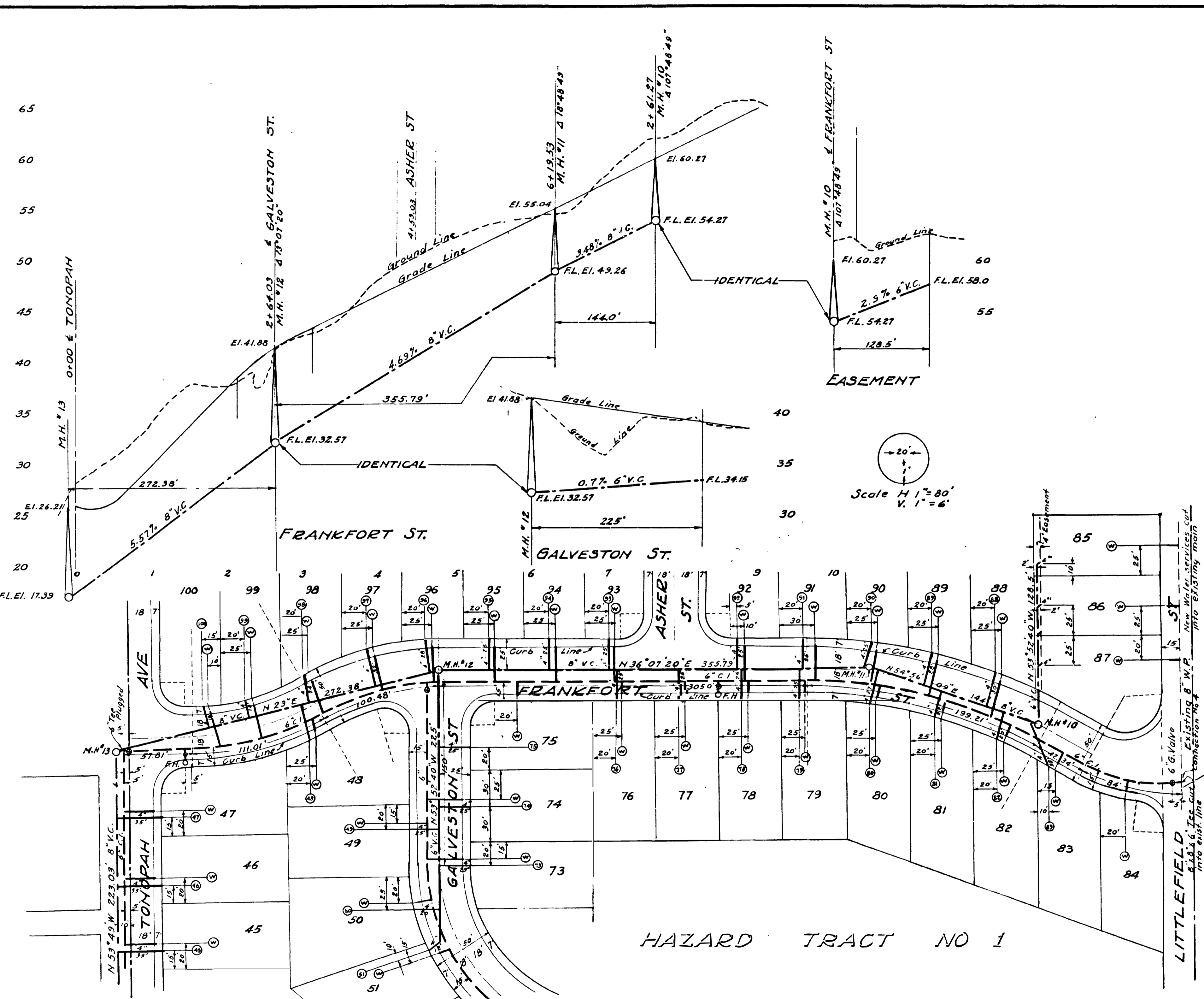


PROFILE
Scale: Horiz 1" = 80'
Vert 1" = 6'



CITY DATUM
ADD 610 FEET
TO CONVERT TO
MEAN SEA LEVEL.

WATER DEPARTMENT	SEWER DEPARTMENT	DRAINAGE	FIELD CHECK	OFFICE CHECK	ENGINEER'S COMMISSION	GRABER
Sheet 19	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	23 Sheets	SEWERS in OLD SAN DIEGO, J.P. JONES SUBDIVISION et al.			
APPROVED	<i>D.K. Fogarty</i>	DATE	8/16/53	SCALE	As Shown	DRAWING NUMBER
DESIGNED BY	M.L.M. EFW, NTM	CHECKED				9718-L
DRAWN BY		FIELD BOOKS	2125, 2149, 2156,			2160, 2206
CONSTRUCTION RECORD		W O No 31813				
CONTRACTOR	Darliman	INSPECTOR	Sturak			
DATE STARTED	4-15-53	REVISIONS	None			
DATE COMPLETED	11-17-53					

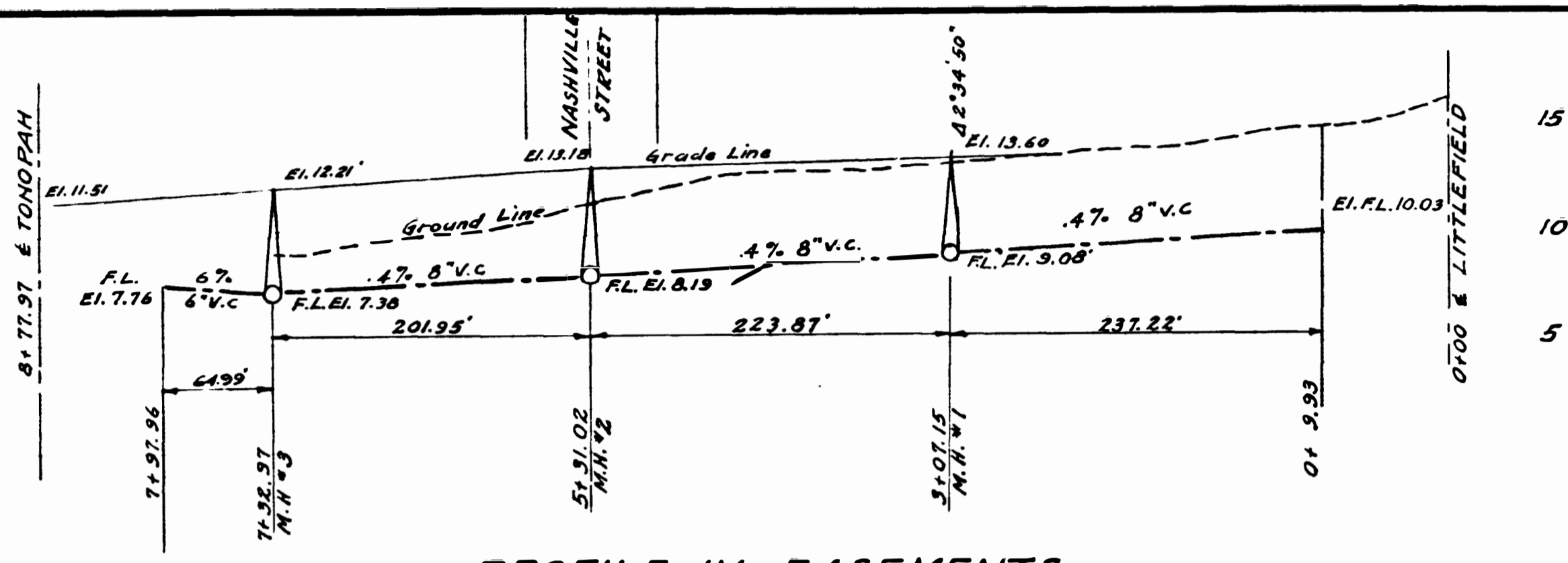


Bench Mark is a cut square in Curb
N.W. Corner of Littlefield & Erie
Elev. 58.88

PRIVATE CONTRACT
ENGINEER OF WORK *E. J. ...* R.E.32

WATER DEPARTMENT SEWER DEPARTMENT DRAINAGE FIELD CHECK OFFICE CHECK PLANNING COMMISSION GRADES	SHEET 9	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	16 SHEETS
	PLANS FOR THE IMPROVEMENTS OF FRANKFORT STREET, ASHER STREET, GALVESTON STREET, BERVY STREET, NASHVILLE STREET AND PORTIONS OF KNOXVILLE & LITTLEFIELD STS & TONOPAH AVE AND EASEMENTS IN HAZARD TRACT NO 1		
	APPROVED	<i>A.K. J...</i> 11/18/49 CITY ENGINEER	DATE Jan 19, 1949
	DRAWN BY C.M.C. CHECKED BY C.M.C. FIELD BOOKS	CHANGED	DATE

CONTRACTOR	HAZARD	INSPECTOR	WARDEL
DATE STARTED	10-29-48	REVISION	BY N. ONE
DATE COMPLETED	12-29-49	DATE	12-29-49 BY M.C.

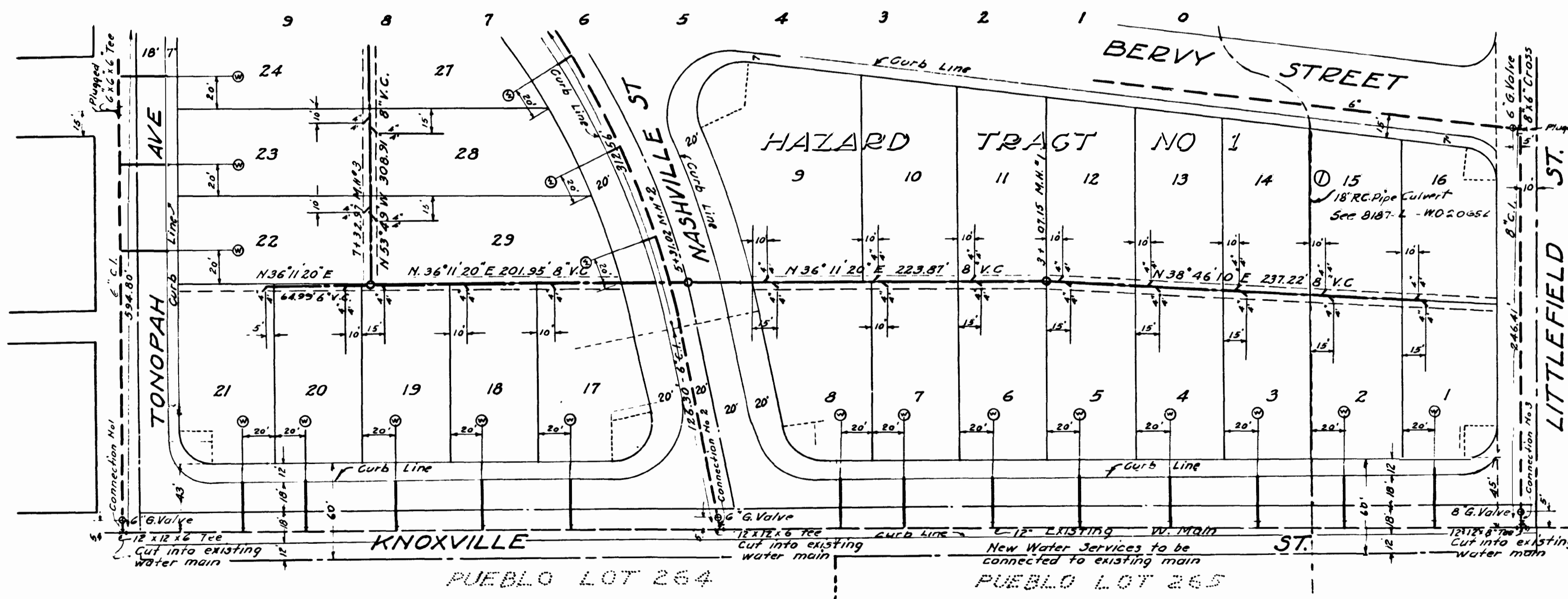
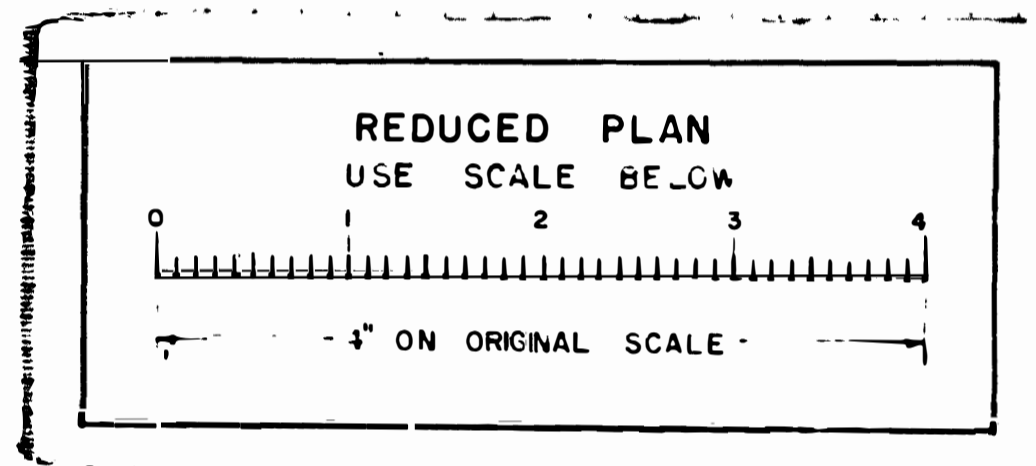


PROFILE IN EASEMENTS

Bench Mark is a cut square in Curb
N.W. Corner of Littlefield & Erie
Elev. 58.88



Scale H. 1" = 80'
V. 1" = 6'



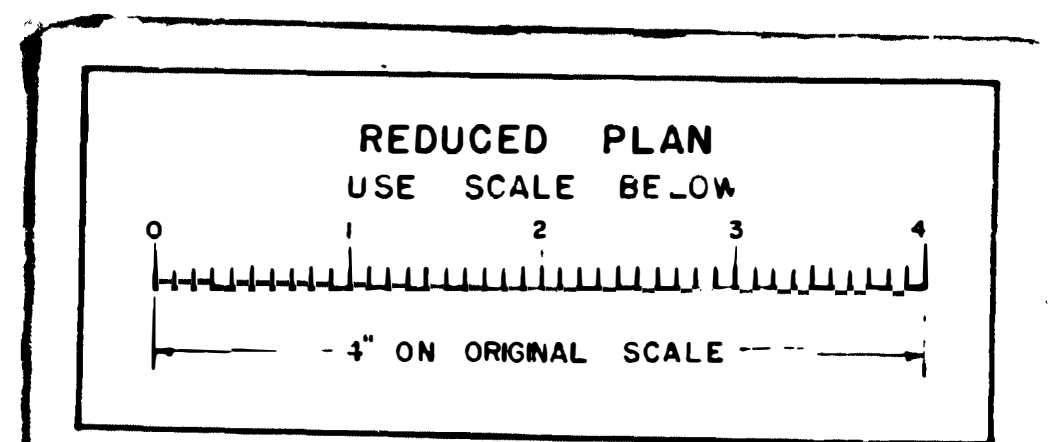
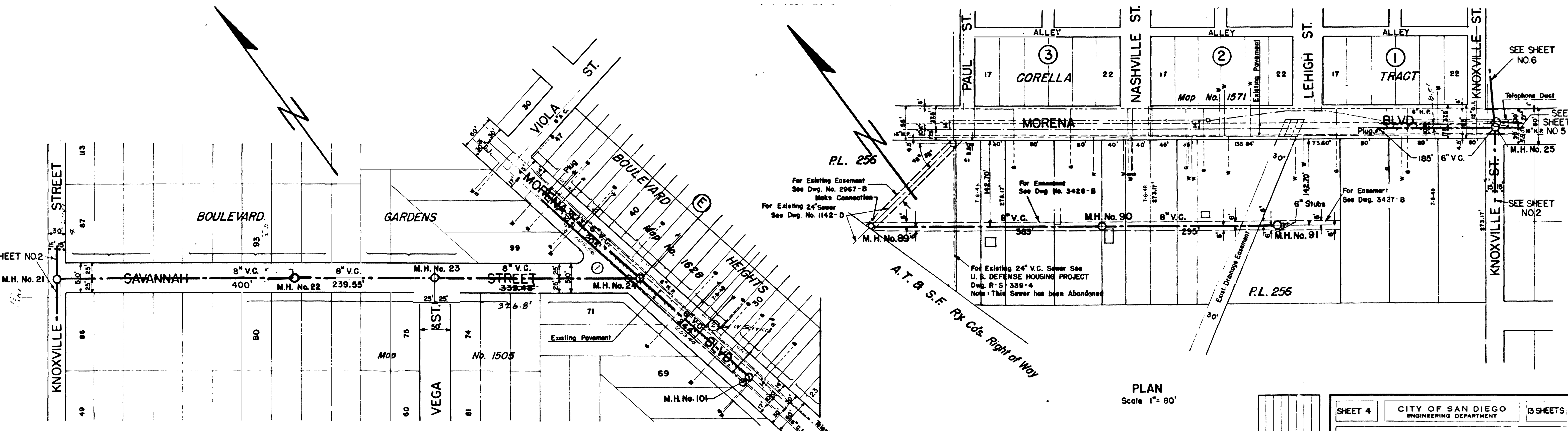
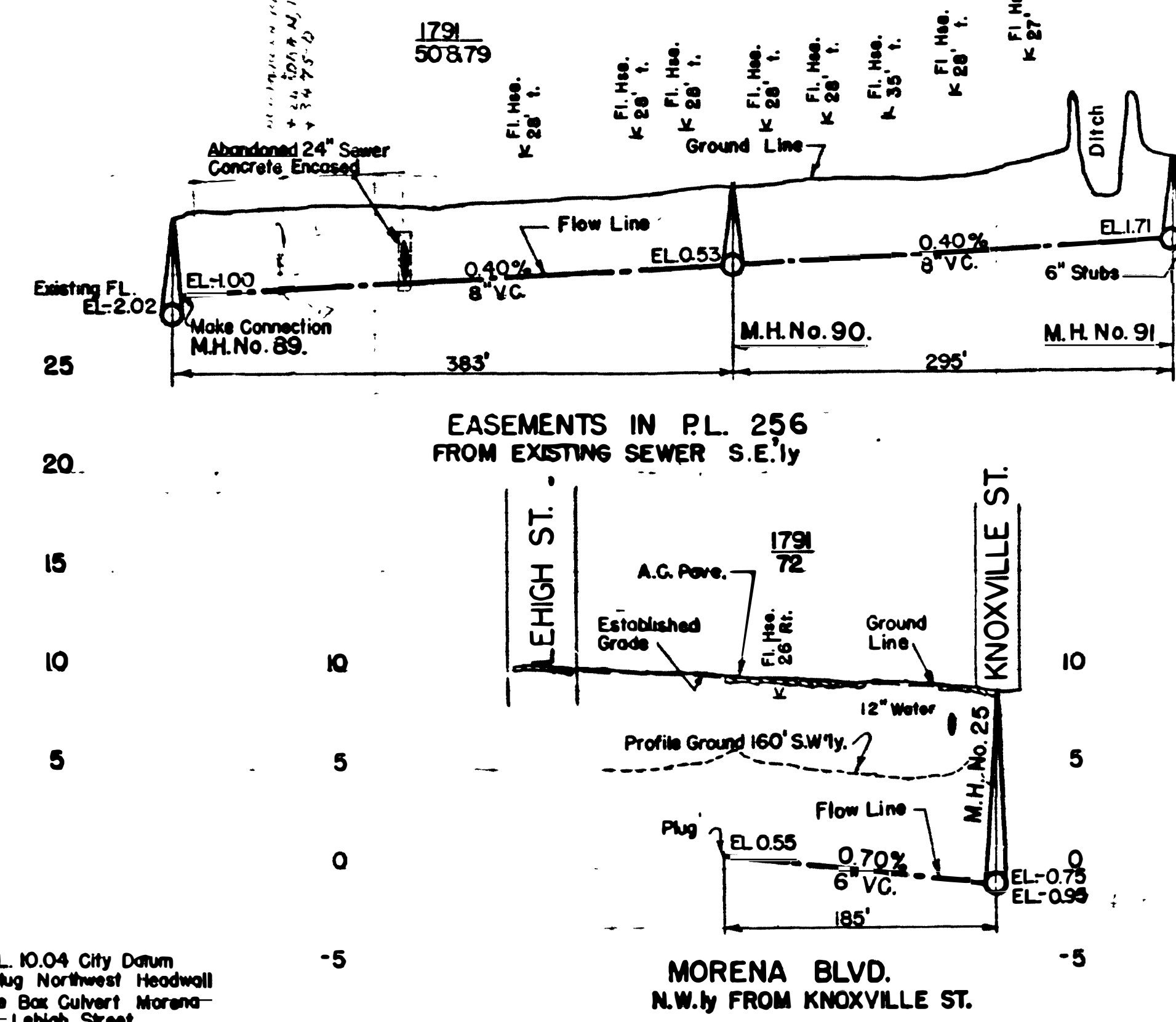
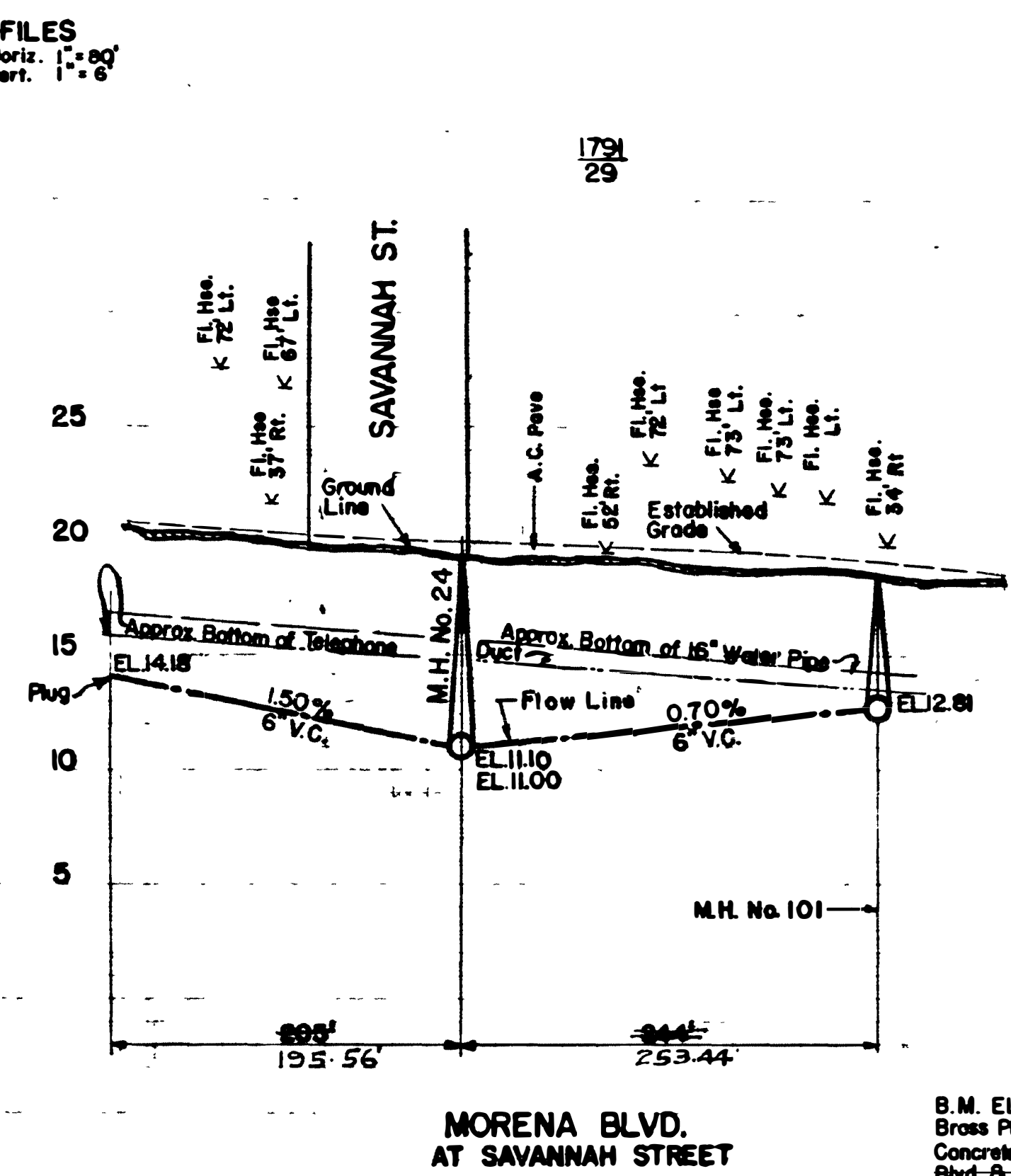
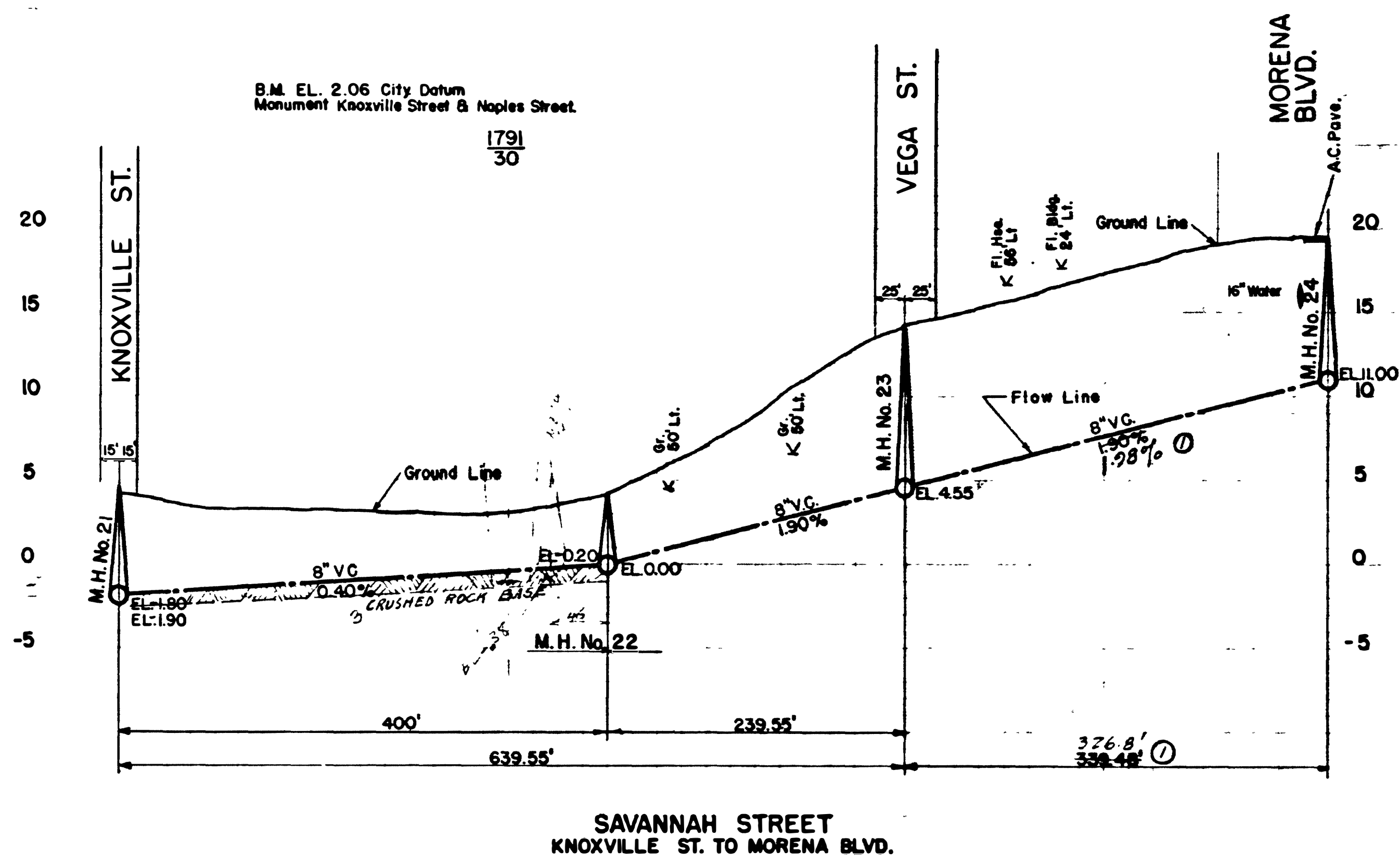
CITY DATUM
ADD 6119 FEET
TO CONVERT TO
MEAN SEA LEVEL

PRIVATE CONTRACT

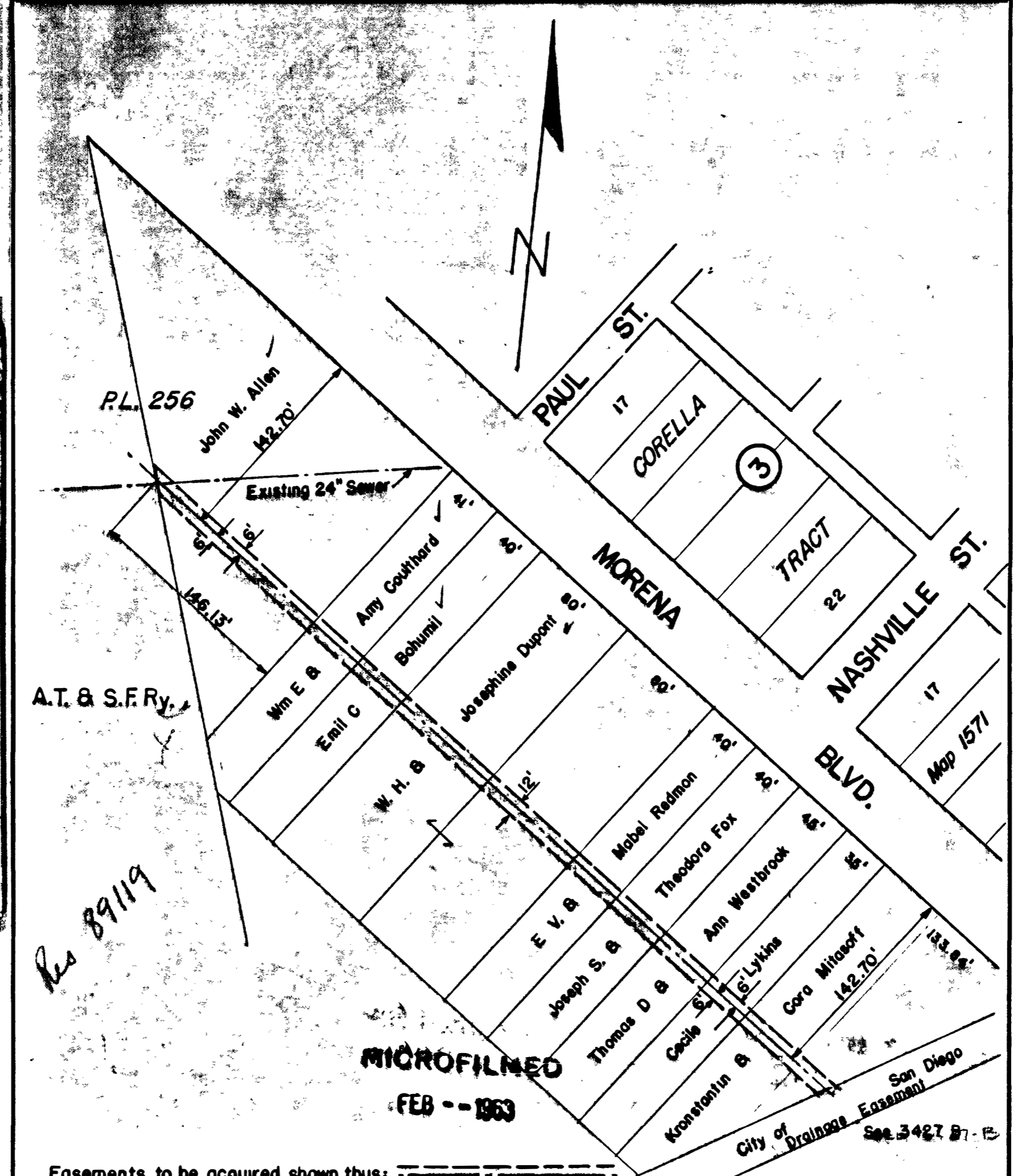
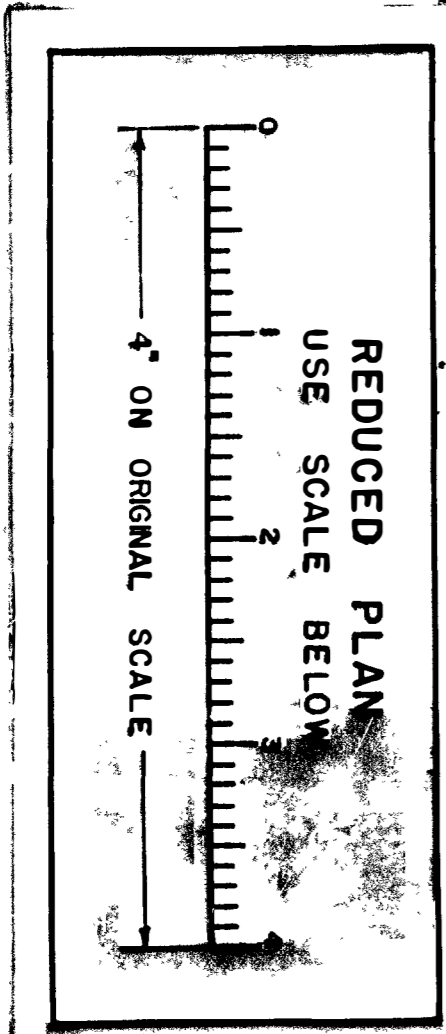
ENGINEER OF WORK *E. J. ...* RE. 32

WATER DEPARTMENT	SHEET 12	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	16 SHEETS
SEWER DEPARTMENT	PLANS FOR THE IMPROVEMENT OF FRANKFORT STREET, ASHER STREET, GALVESTON STREET, BERVY STREET, NASHVILLE STREET, AND PORTIONS OF KNOXVILLE & LITTLEFIELD STS & TONOPAH AVE AND EASEMENTS IN HAZARD TRACT NO. 1		
DRAINAGE	APPROVED <i>A. K. ...</i>	DATE Jan 19, 1949	SCALE Plan 1" = 60'
FIELD CHECK	TRACED BY C.M.C.	CHECKED BY	DRAWING NUMBER 7366 L
PLANNING COMMISSION			
GRADES			

CONSTRUCTION RECORD		W O No 23079
CONTRACTOR HAZARD	INSPECTOR WADDEL	
DATE STARTED 10-24-48	REVISIONS 1	DATE 12-29-50 BY MPO
DATE COMPLETED 12-20-50		



WATER DEPARTMENT	SEWER DEPARTMENT	ENGINEERING DEPARTMENT	13 SHEETS
DRAINAGE	FIELD CHECK	PLANNING COMMISSION	
SHEET 4 CITY OF SAN DIEGO ENGINEERING DEPARTMENT Plans for the construction of Sanitary SEWERS in MORENA BLVD., PAUL ST., CUSHMAN AVE., WEEKS AVE., PLAINVIEW ROAD, ET AL.			
APPROVED	CITY ENGINEER	DATE	SCALE
GILSON	AS SHOWN	Sept 10, 1948	
DESIGNED BY	CHECKED BY	DRAWING NUMBER	
1791		1343-D	
CONSTRUCTION RECORD			
CONTRACTOR	INSPECTOR	W.O. No.	
BUTTERFIELD	DABBY	31908	
DATE STARTED	DATE STOPPED	DATE COMPLETED	
8-1-48	8-24-48	8-31-48	



Res 89119

MICROFILMED
FEB -- 1963

Easements to be acquired shown thus:

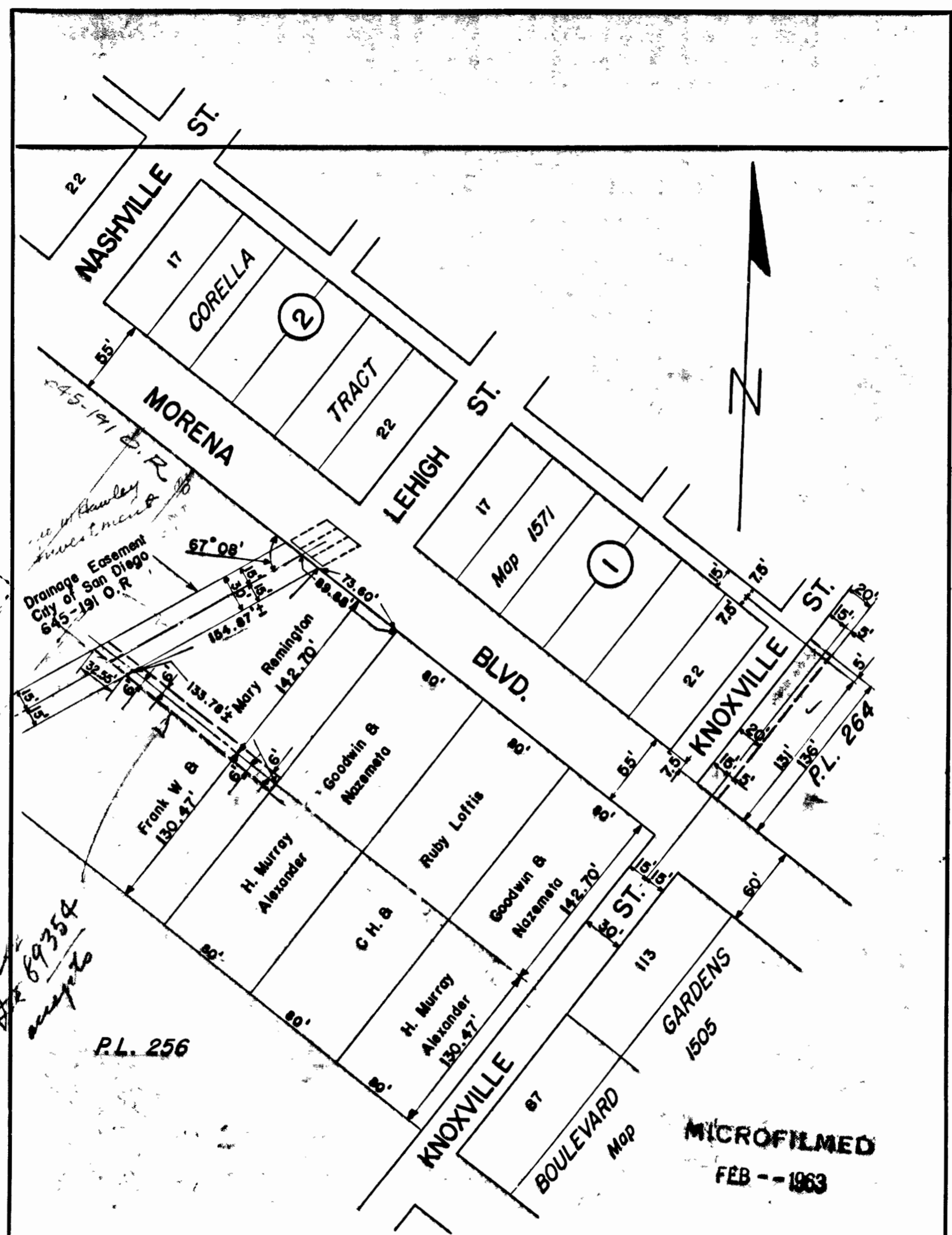
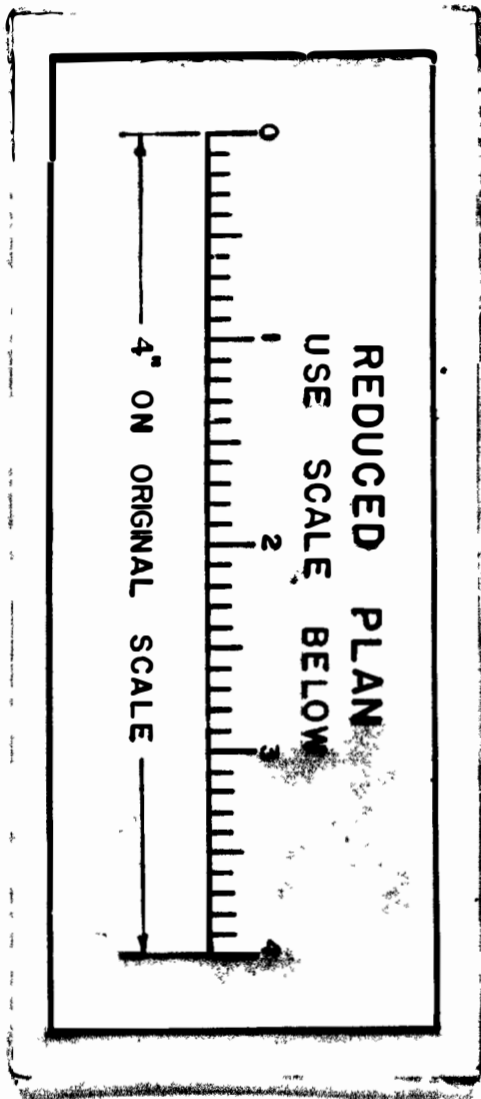
REV. 8-24-48

DRAWN BY <u>G. W. EIGHMY</u> CHECKED BY <u><i>W. H. Hall</i></u> FIELD BOOKS <u>1731 - 50</u> <u><i>Russell A. Hall</i></u> CITY ENGINEER CITY MANAGER	CITY OF SAN DIEGO - ENGINEERING DEPARTMENT Plat showing easements to be acquired for sewer in P.L. 256.	DATE <u>1-14-48</u> SCALE <u>1" = 60'</u> DRAWING NUMBER 3426 B
---	---	---

E-16

FORM 147 (400 7 47)

W.O. 31508



Easements to be acquired shown thus:

DRAWN BY... **O. W. EIGHTY**
 CHECKED BY... *WEN 3/5/48*
 FIELD BOOK 1791-50
Russell A. Hall
 CITY ENGINEER
 CITY MANAGER

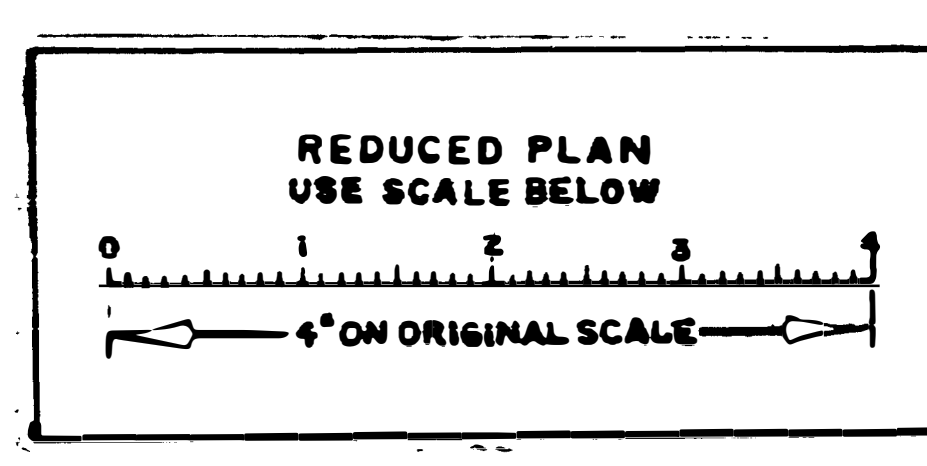
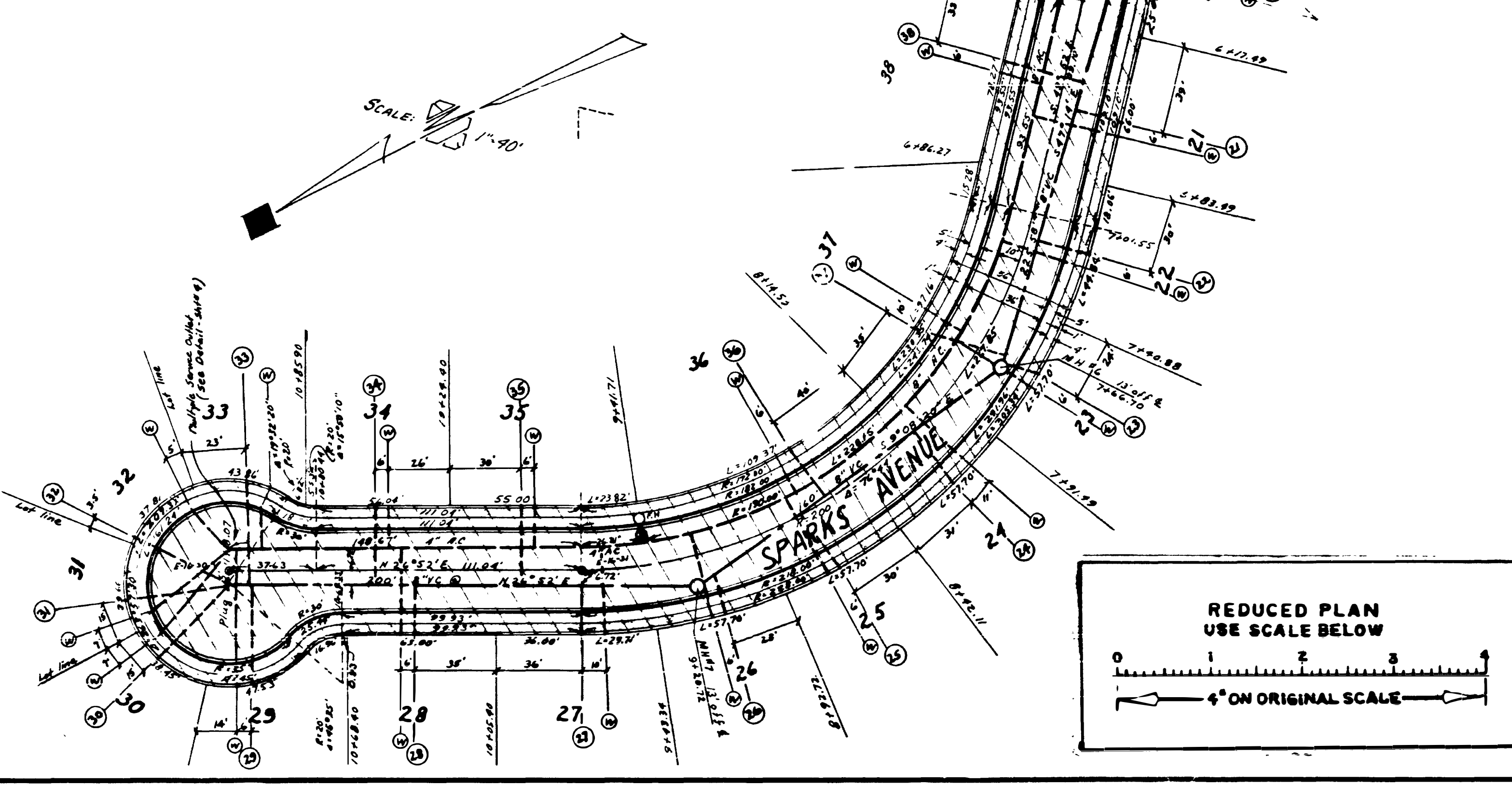
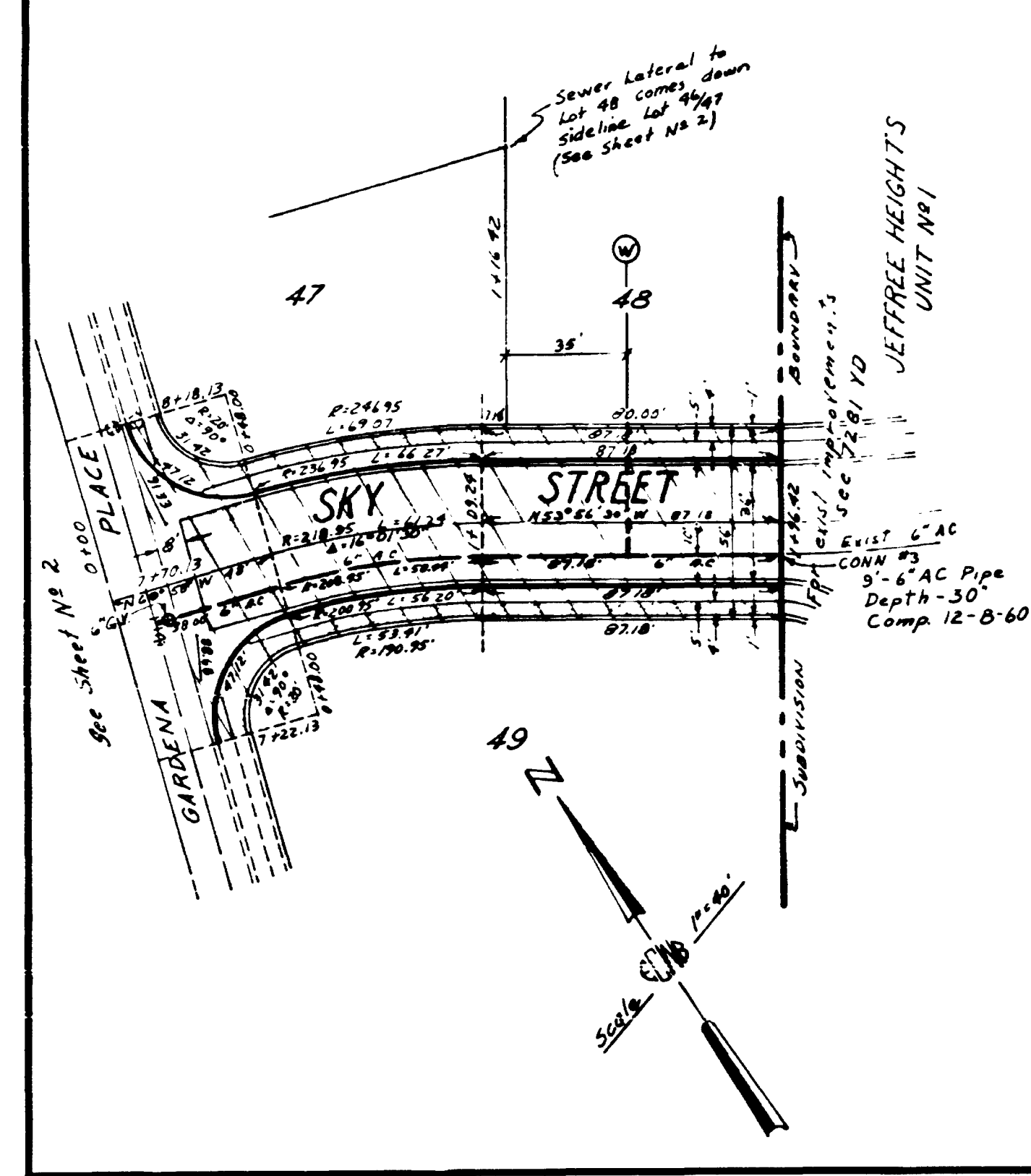
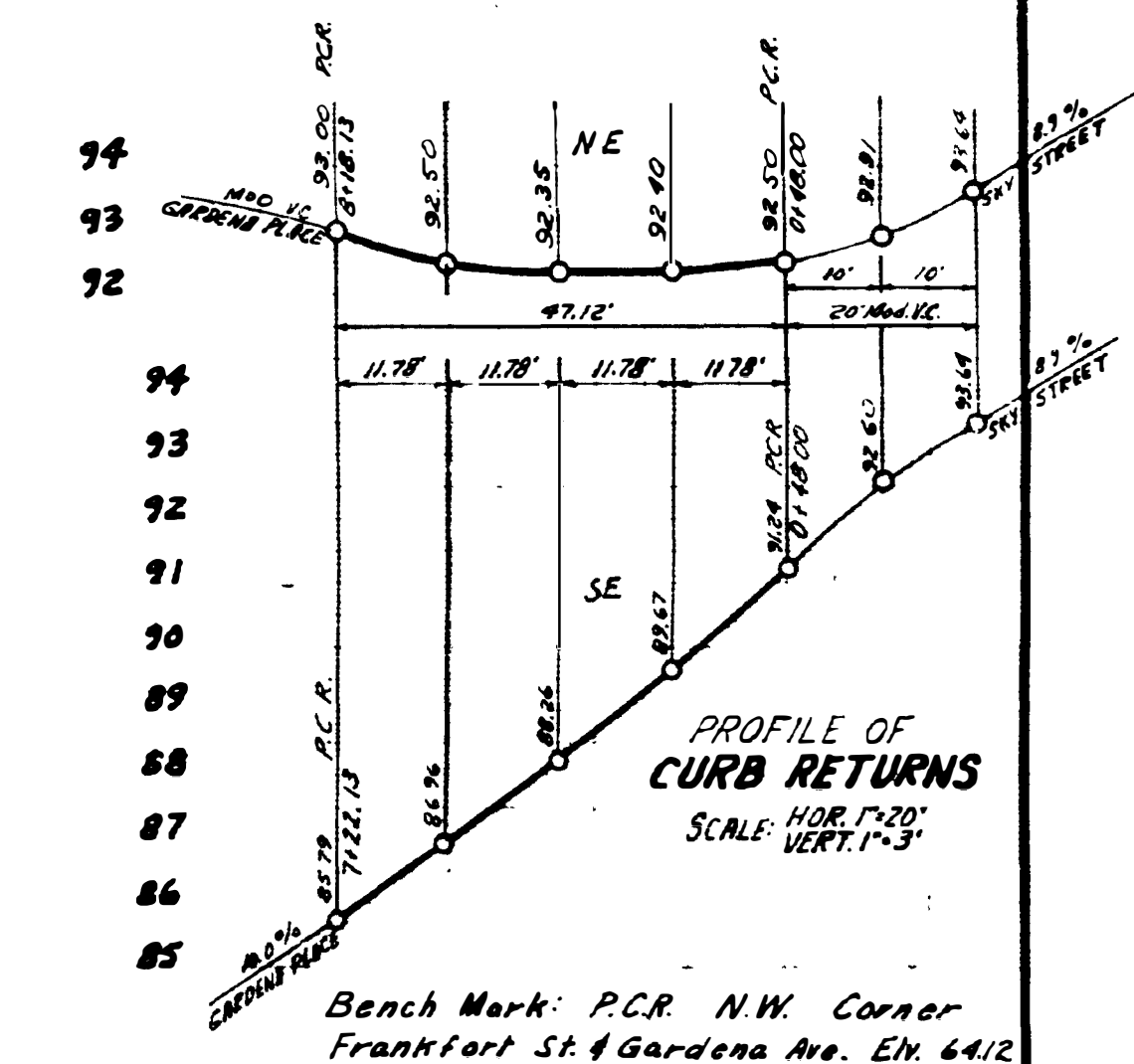
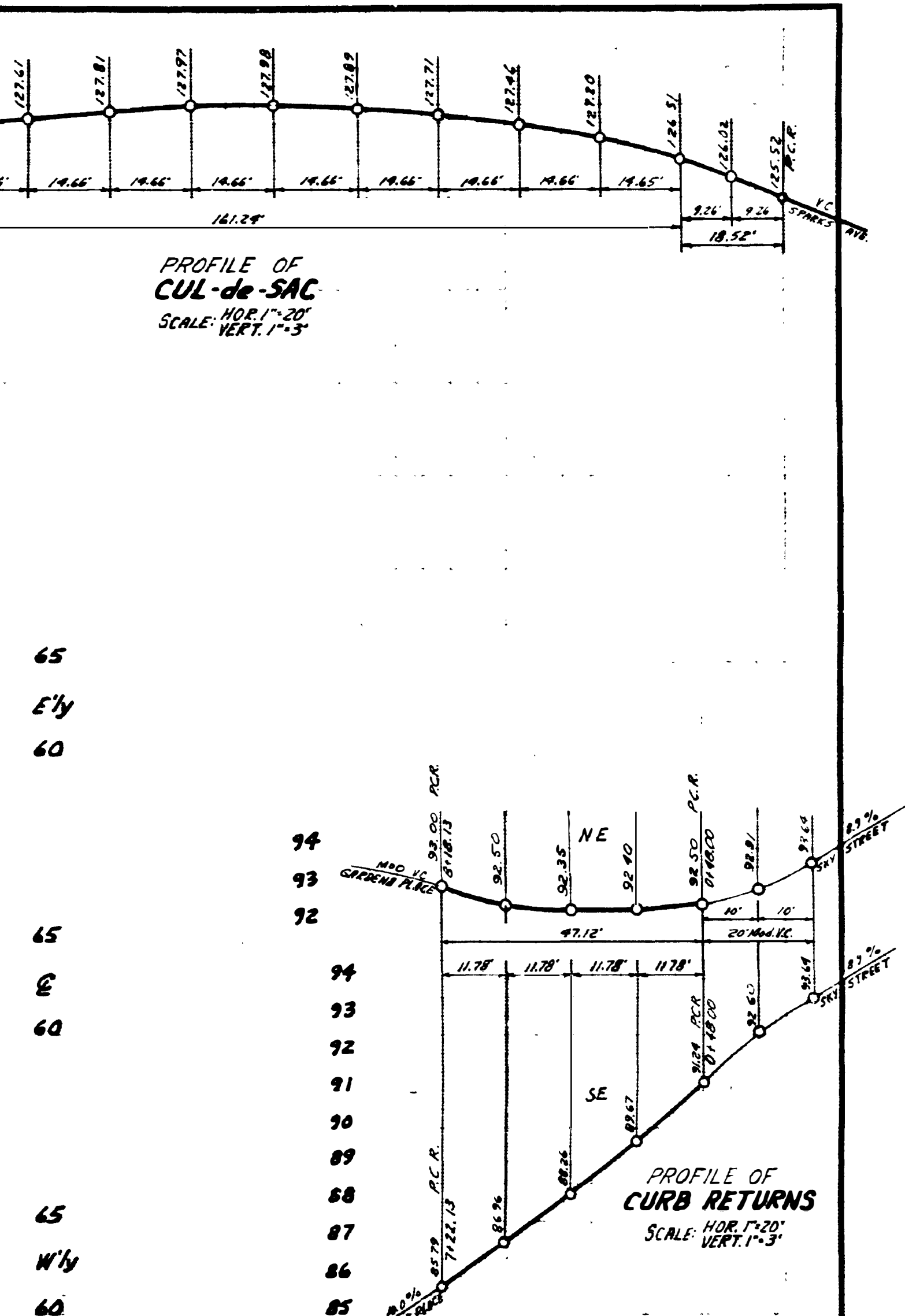
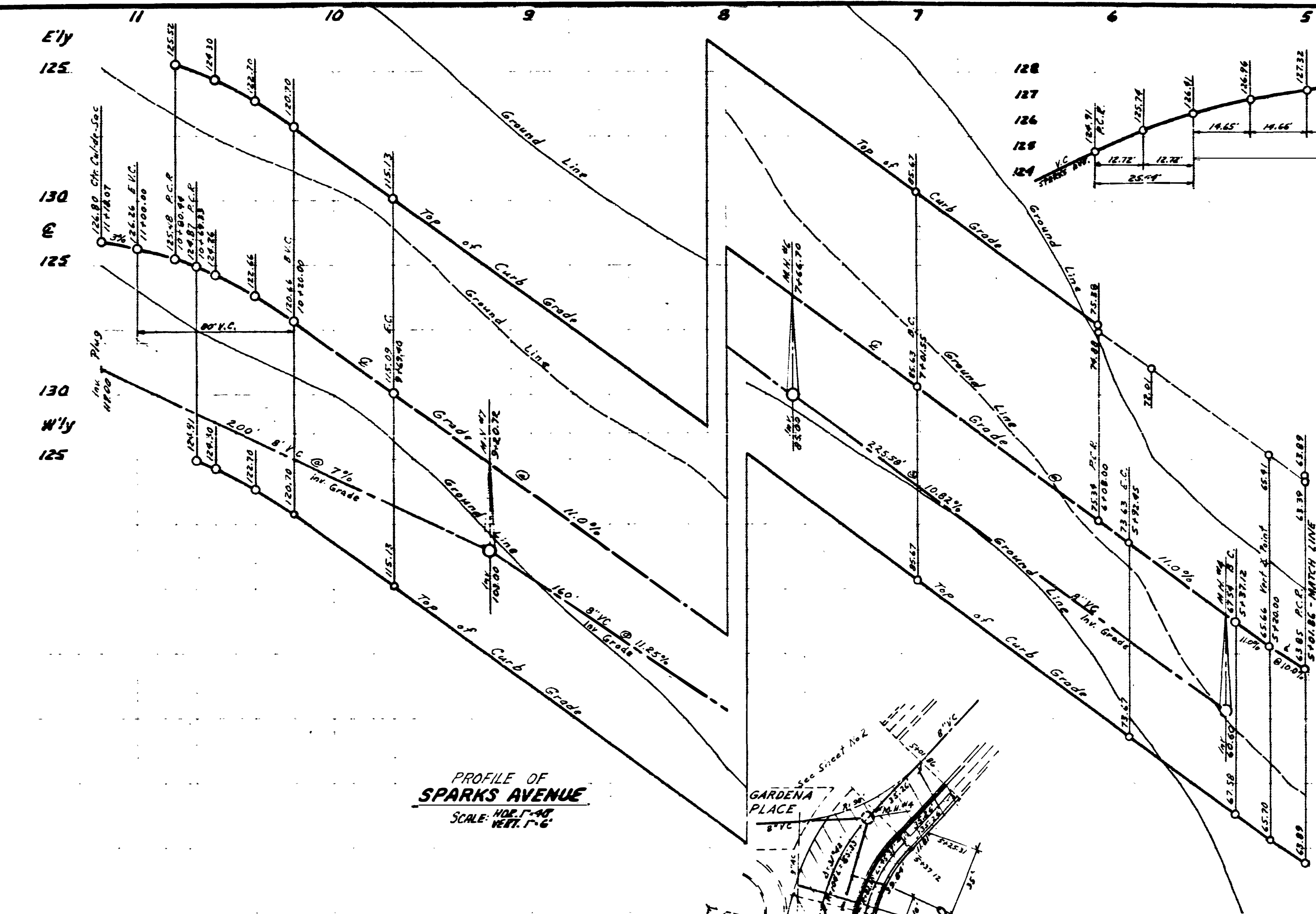
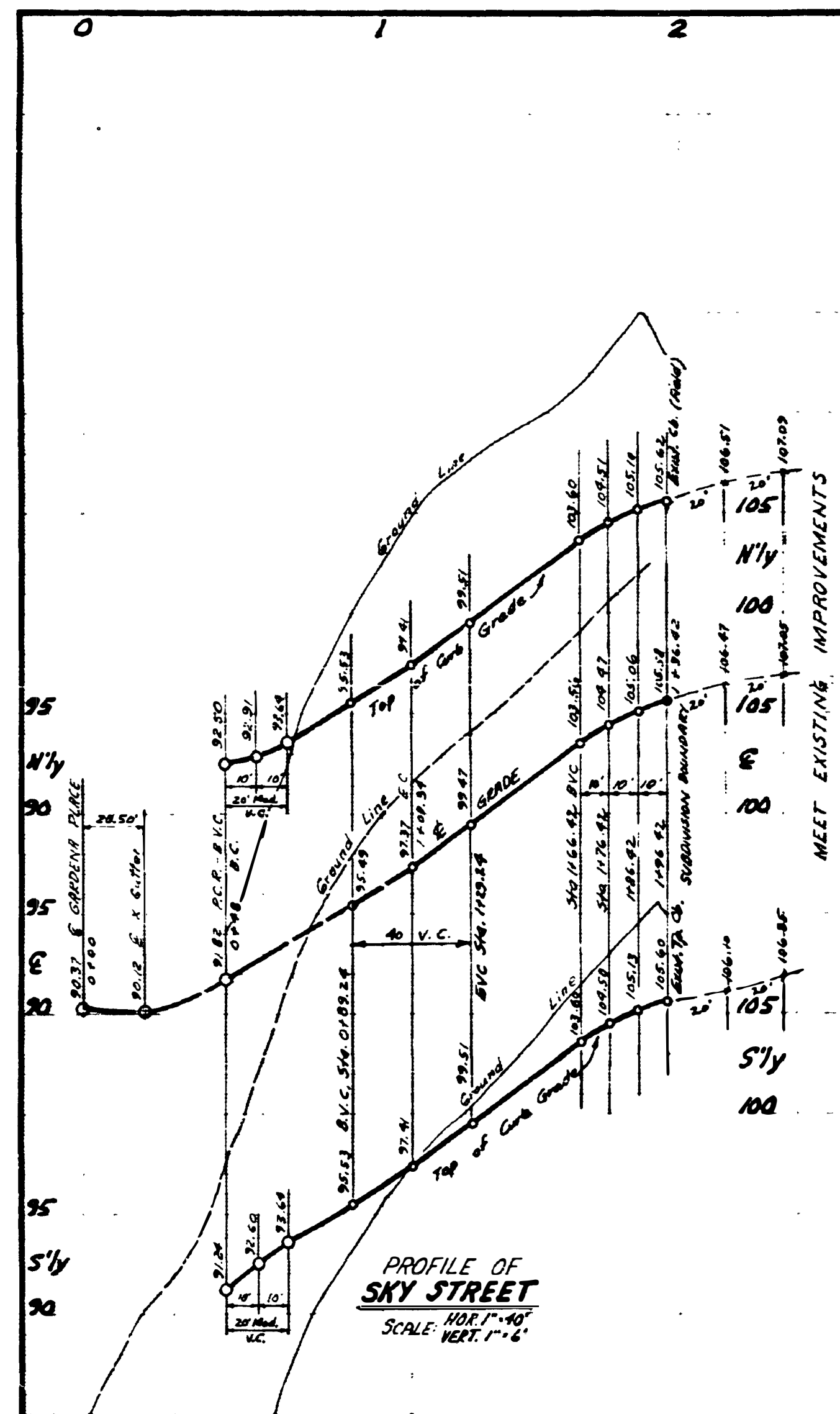
CITY OF SAN DIEGO - ENGINEERING DEPARTMENT
 Plat showing easements to be acquired for sewers
 in P.L. 256 & P.L. 264.

REV. 8-24-48.
 REV. 4-21-48
 DATE 1-14-48
 SCALE 1" = 80'
 DRAWING NUMBER
3427 B

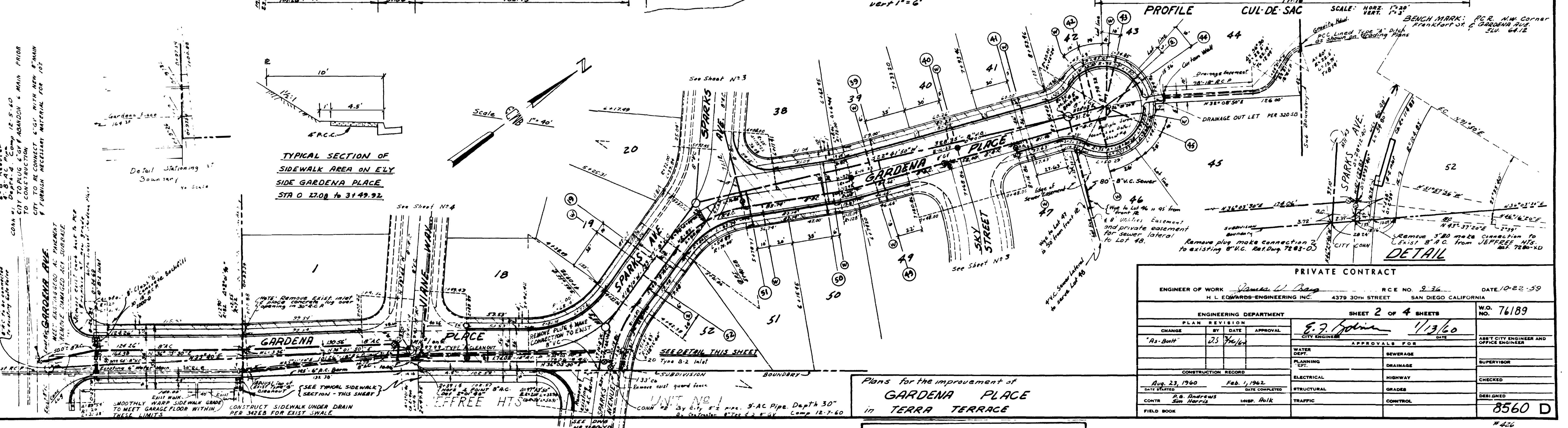
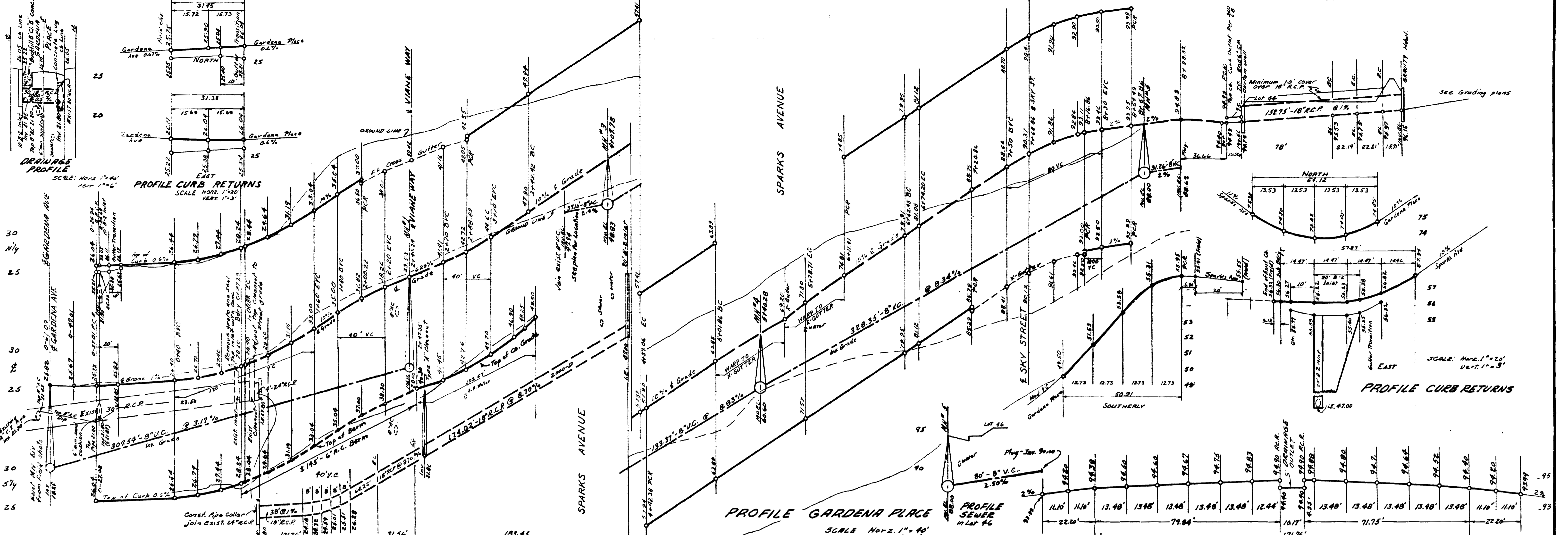
MICROFILMED
 FEB -- 1963

FORM 147 (400 7 47)

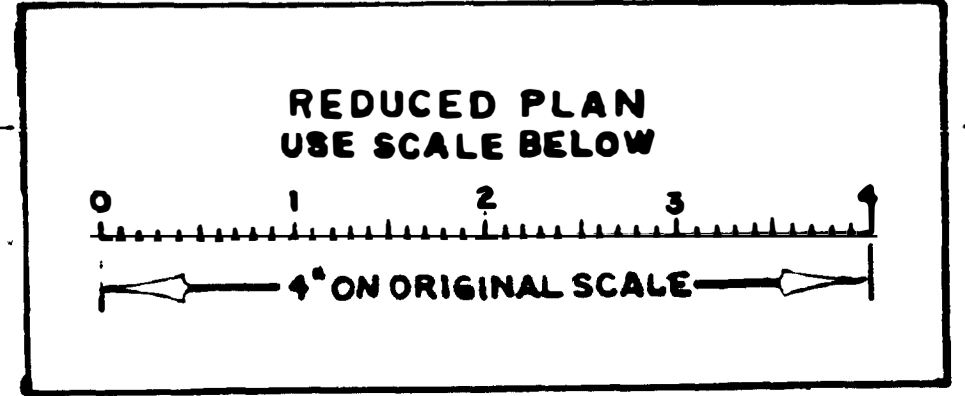
L.W.O. 31501



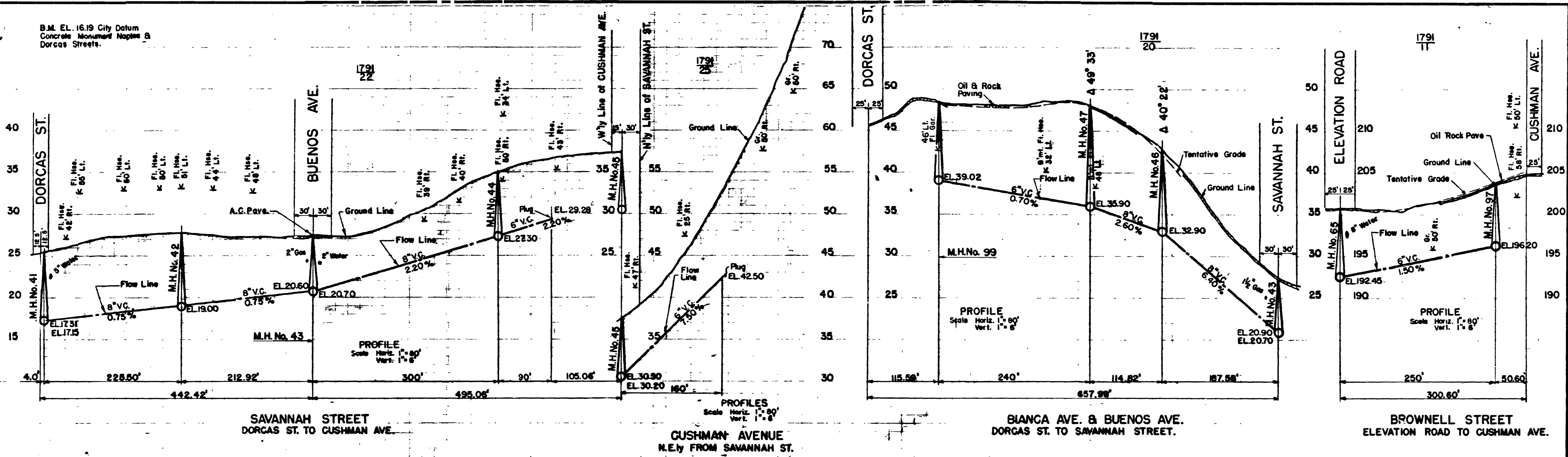
PLANS FOR THE IMPROVEMENT OF:			
SPARKS AVENUE, SKY STREET,			
all in TERRA TERRACE			
PRIVATE CONTRACT			
ENGINEER OF WORK: <i>Edwards Engineering Inc.</i>		R.C.E. NO. 9236	DATE: 10-22-59
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		4378 30TH STREET	SAN DIEGO CALIFORNIA 92116
SHEET 3 OF 4 SHEETS		W.O. NO. 74189	
PLAN REVISION		APPROVAL FOR	
CHANGE	BY DATE APPROVAL	DATE	
"As-Built"	D.S. 3/6/62	11/3/60	
CONSTRUCTION RECORD		CHECKED	
DATE PRINTED: Aug 23, 1960	DATE COMPLETED: Feb 1, 1962	DESIGNED	
CONTR. BY: R.G. Rasmussen	INSP. BY: Paul	DRAWN	
FIELD BOOK		NO. 8561 D	



ENGINEER OF WORK		RCE NO. 936		DATE 10-22-59
H. L. EDWARDS-ENGINEERING INC.		4379 30TH STREET		SAN DIEGO CALIFORNIA
ENGINEERING DEPARTMENT		SHEET 2 OF 4 SHEETS		W.O. NO. 76189
PLAN REVISION		APPROVALS FOR		CITY ENGINEER AND OFFICE ENGINEER
CHANGE	BY DATE	APPROVAL	DATE	
"As-Built"	DS 7/6/60			SUPERVISOR
CONSTRUCTION RECORD		APPROVALS FOR		
Aug. 23, 1960		Feb. 1, 1962		CHECKED
DATE STARTED	DATE COMPLETED			
CONTR. P. S. Andrews		INSPE. P. K.		DESIGNED
CONTR. S. M. Harris		INSPE. P. K.		
FIELD BOOK		TRAFFIC CONTROL		8560 D



B.M. EL. 16.19 City Datum
Concrete Monument Naples B
Dorcas Streets.

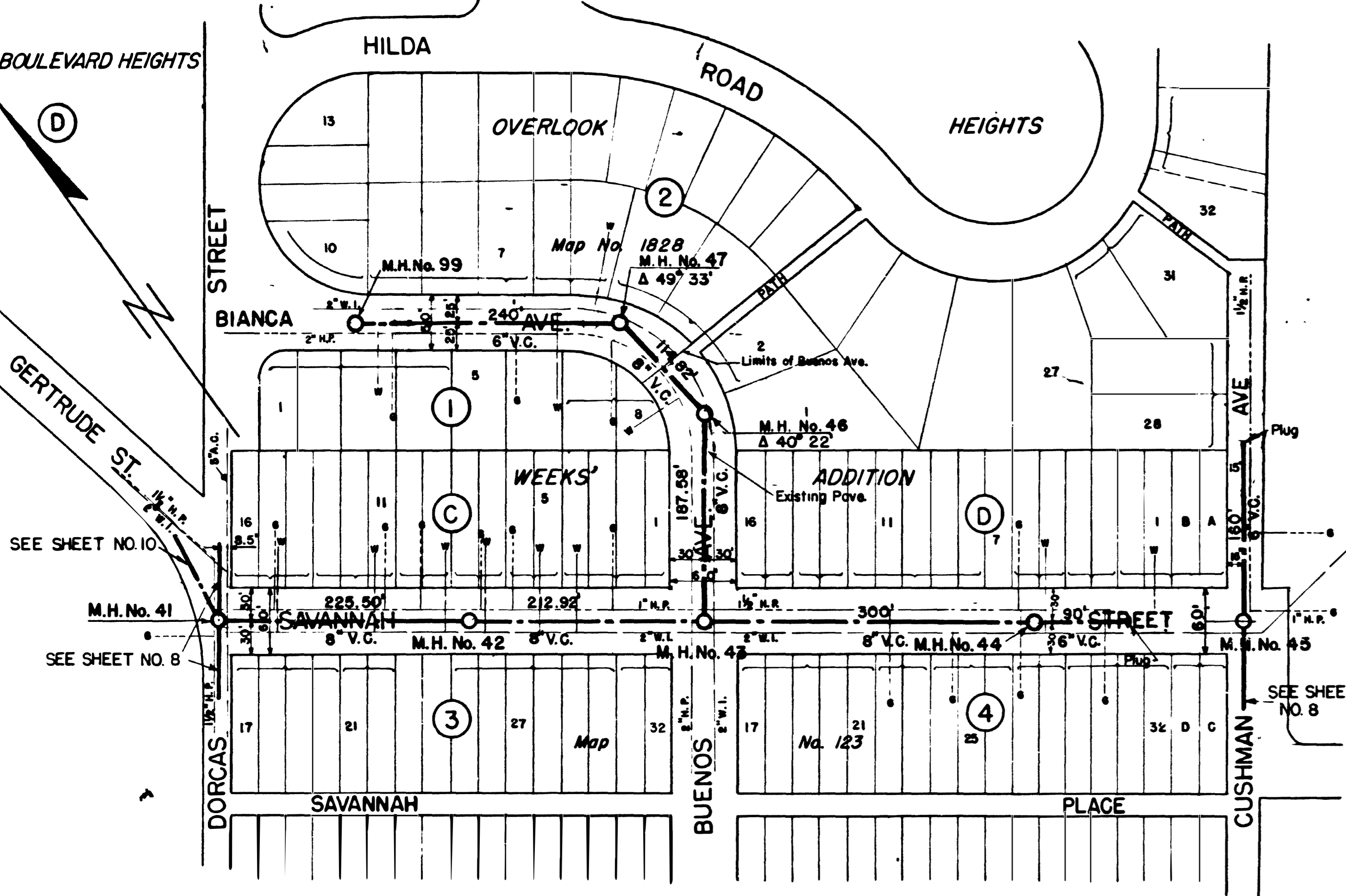


SAVANNAH STREET
DORCAS ST. TO CUSHMAN AVE.

CUSHMAN AVENUE
N.E. FROM SAVANNAH ST.

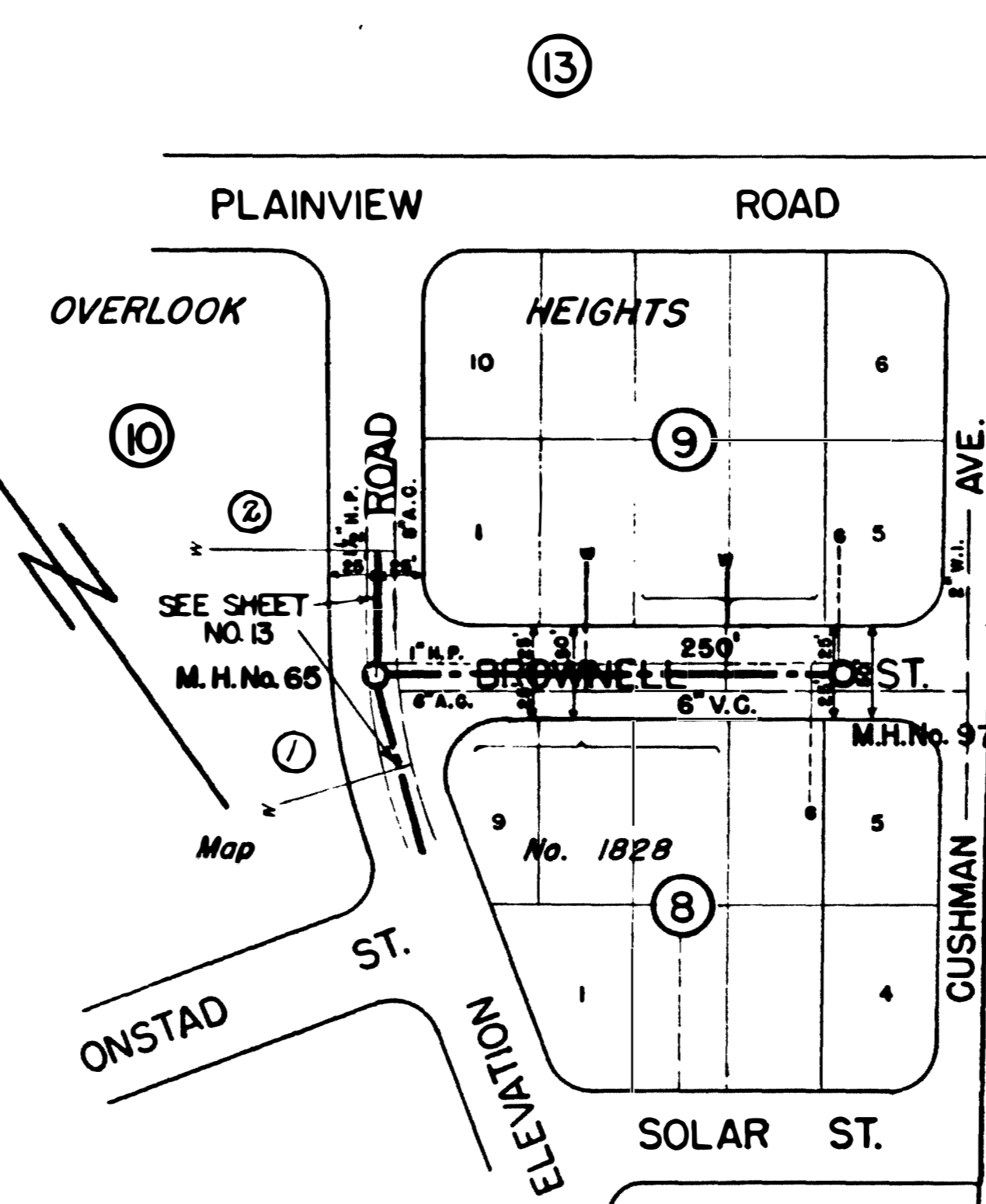
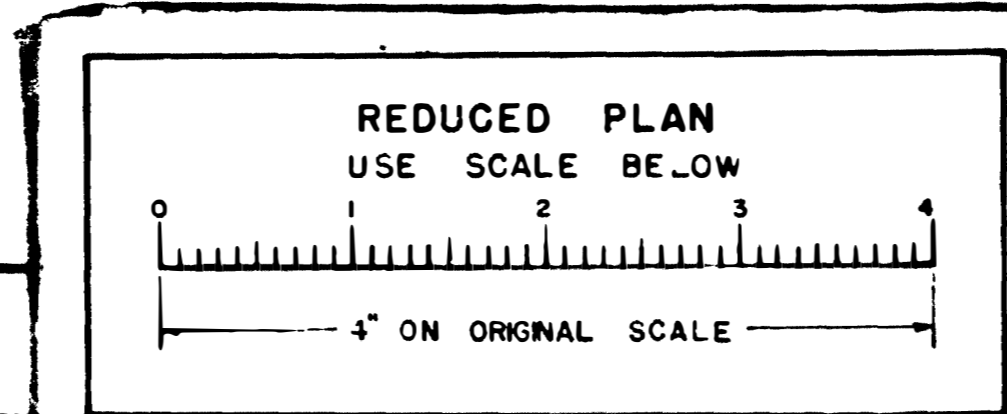
BIANCA AVE. & BUENOS AVE.
DORCAS ST. TO SAVANNAH STREET.

BROWNELL STREET
ELEVATION ROAD TO CUSHMAN AVE.



PLAN
Scale 1" = 80'

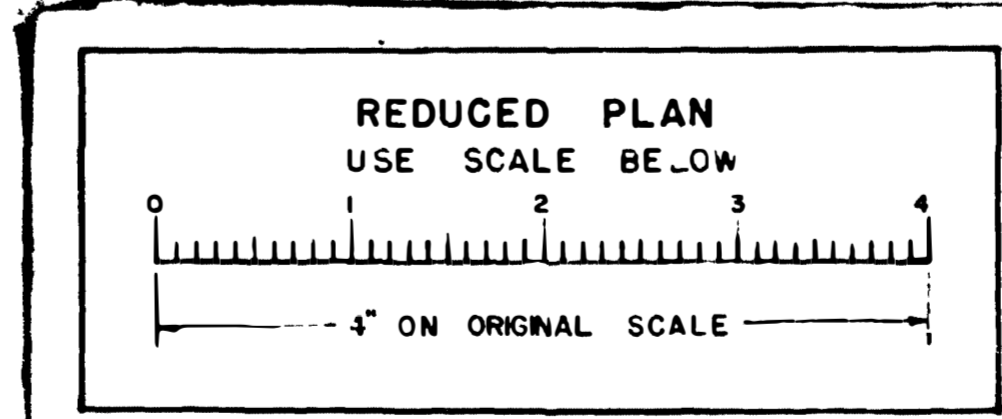
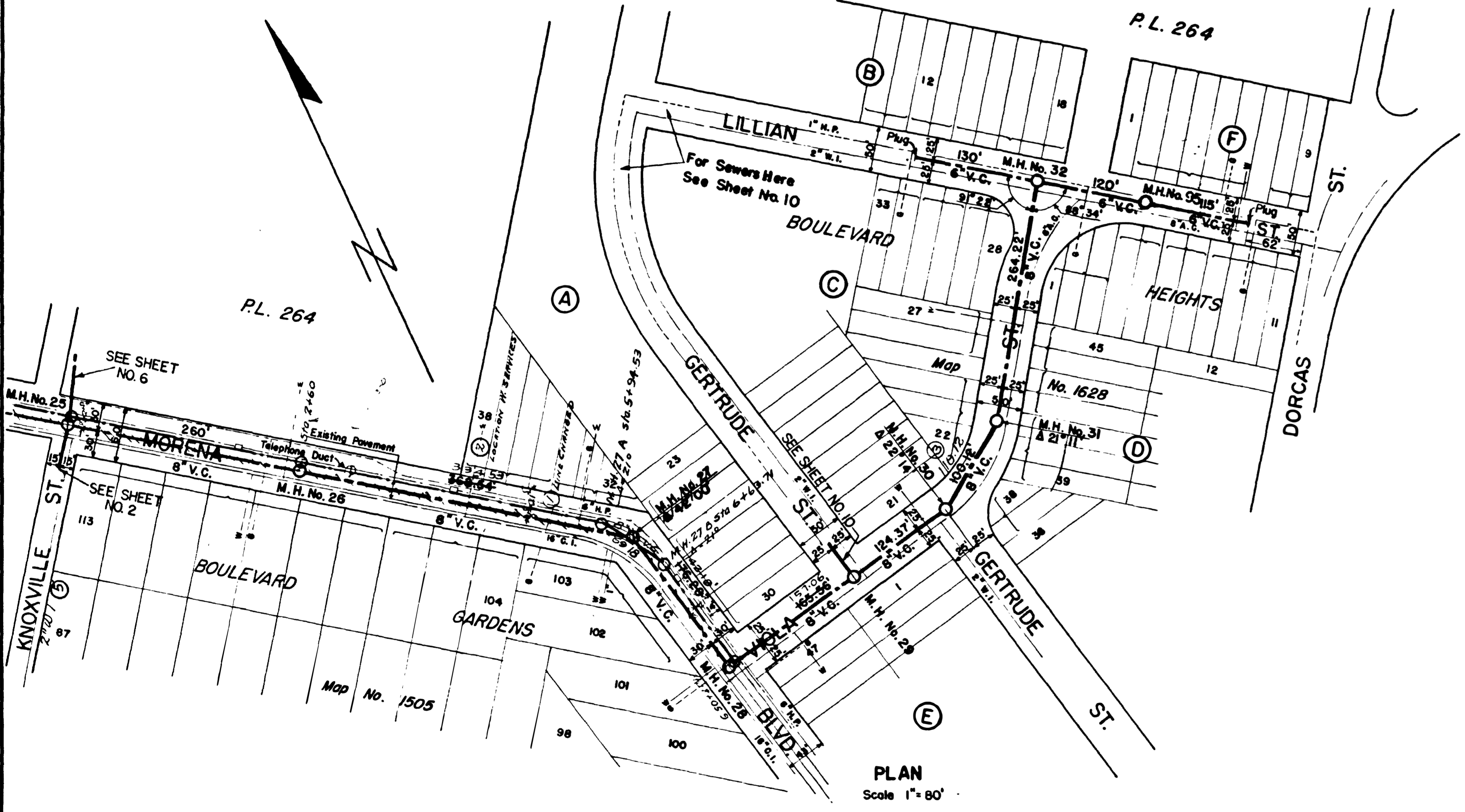
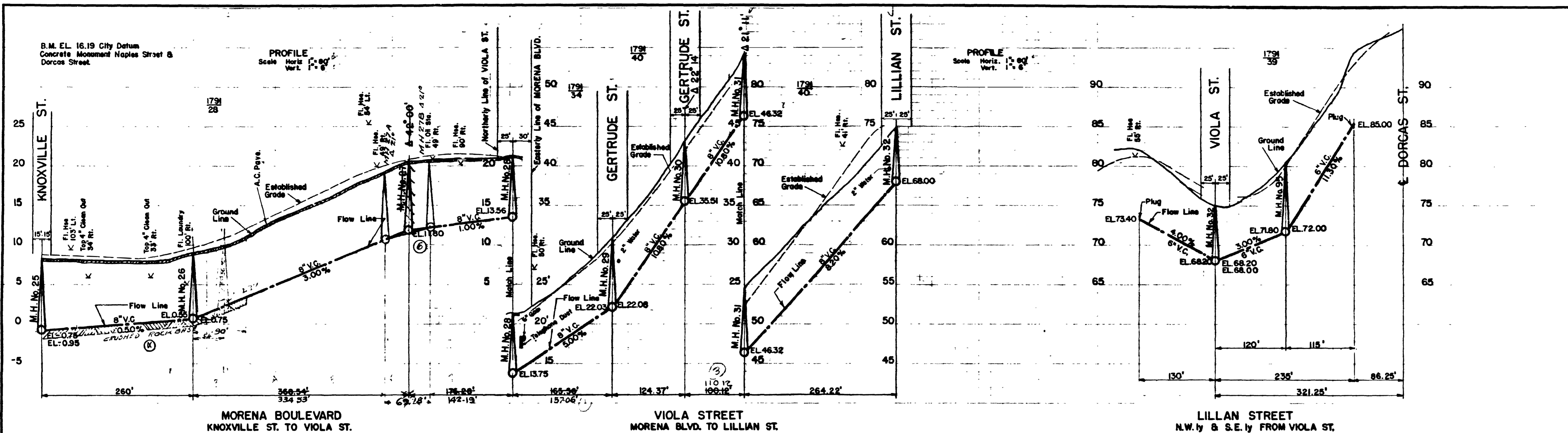
PL. 285



PLAN
Scale 1" = 80'

P.L. 288

WATER DEPARTMENT	SHEET 9	CITY OF SAN DIEGO	3 SHEETS
SEWER DEPARTMENT	ENGINEERING DEPARTMENT		
DESIGNED BY	Plans for the construction of Sanitary SEWERS in MORENA BLVD., PAUL ST., CUSHMAN AVE., WEEKS AVE., PLAINVIEW ROAD, ET AL.		
DRAWN BY	APPROVED	DATE	AS SHOWN
FIELD CHECK	<i>A.K. Johnson</i>	Sept 10, 1948	
PLANNING COMMISSION	CITY MANAGER		
RECORDS	CHANGED BY	DRAWING NUMBER	
	GILSON	1348-D	
	CONSTRUCTION RECORD	W.D. No 31508	
	CONTRACTOR	BUTTERFIELD	
	DATE ORDERED	4-15-48	
	DATE COMPLETED	5-3-48	



SHEET 5		CITY OF SAN DIEGO ENGINEERING DEPARTMENT		13 SHEETS	
Plans for the construction of Sanitary SEWERS in MORENA BLVD., PAUL ST., CUSHMAN AVE., WEEKS AVE., PLAINVIEW ROAD, ET AL.					
APPROVED	<i>John J. ...</i>	DATE	Sept. 10, 1948	SCALE	AS SHOWN
DESIGNED BY	GILSON	CHECKED BY		DRAWING NUMBER	1344-D
FIELD CHECK	1791	DATE	3-23-48	BY	W.D. No. 31508
PLANNING COMMISSION		REVISIONS		DATE	

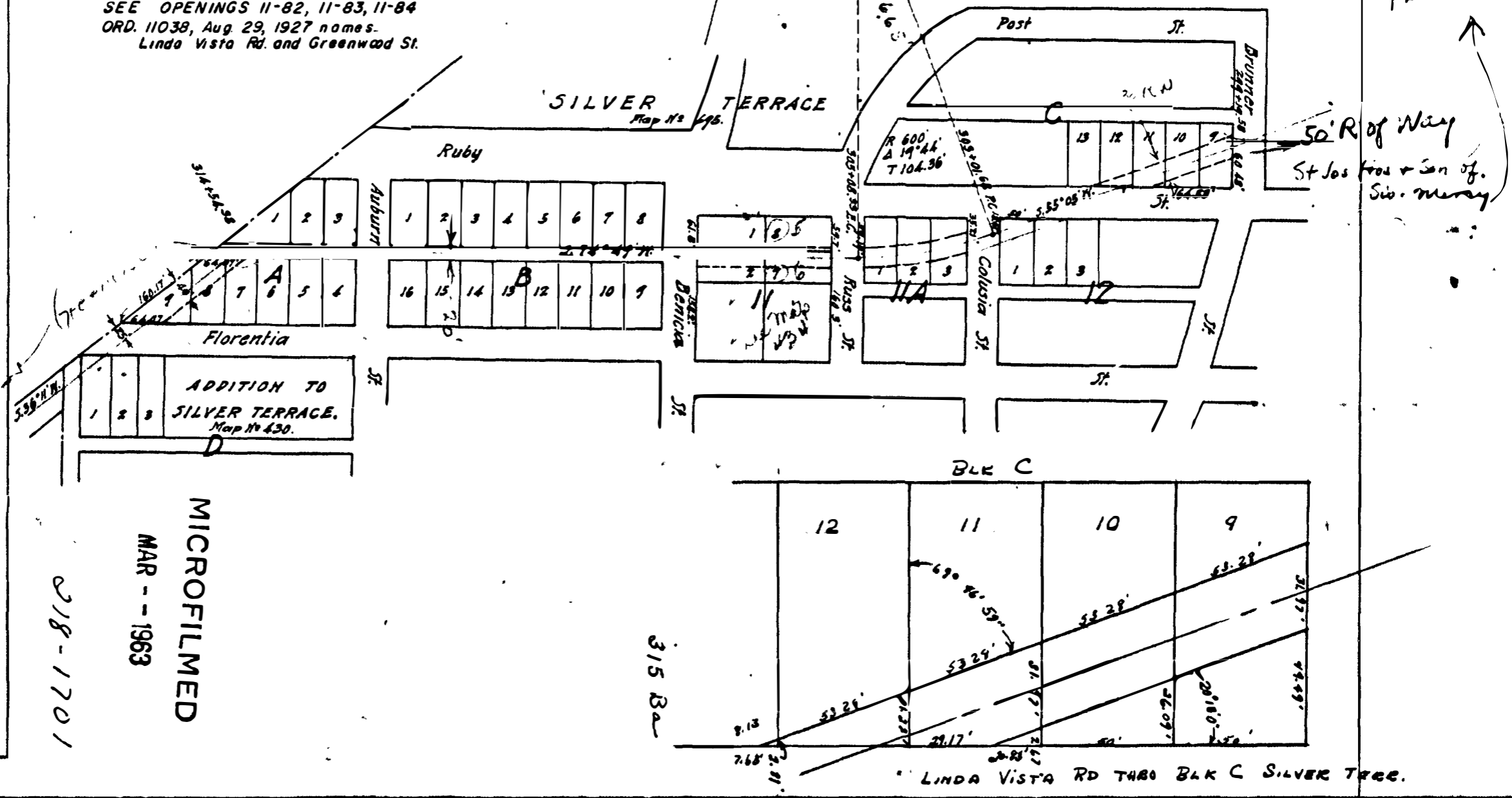
DRAWN BY: *A.S.M.*
 CHECKED BY: *George Connelly*
 FIELD BOOKS 1999
 CITY ENGINEER
 MGR. OF OPERATION

CITY OF SAN DIEGO--OPERATING DEPARTMENT
 Silver Terrace of Linda Vista Road.
OPENING 11-85

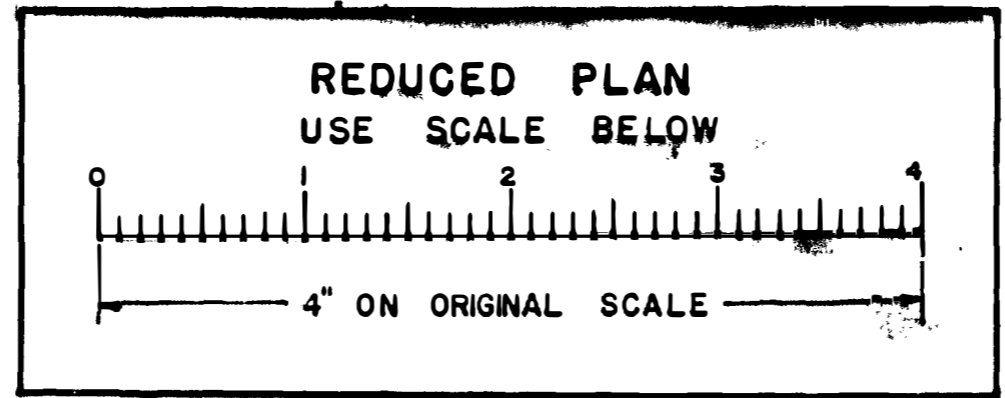
DATE 8-9-17
 SCALE 1" = 200'
 DRAWING NUMBER *315 B*

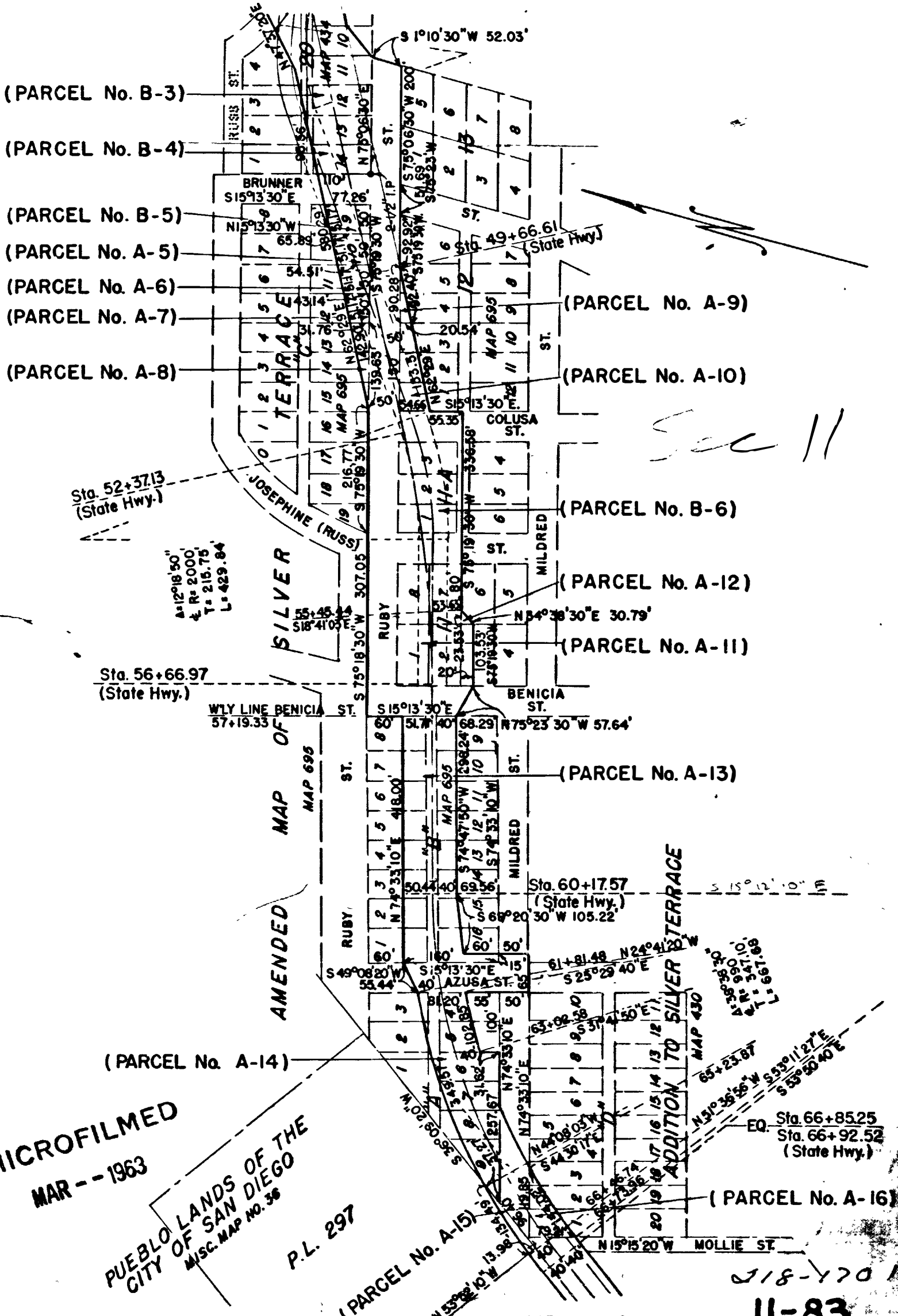
Lots	Block	Owner	Address.
1 to 9	A.	Federico Chiappi	To Nick Steumetz
1 to 16	B.	Moses Paart	-1904 Logan Ave
9	C	M ^{rs} F. Gindorff L.A.	Sold for Taxes 1913
10-11	C.	Chas. M. Best	To Jno. Burnham Co.
12	C	M ^{rs} F. Gindorff L.A.	Sold for Taxes 1913.
13	C	Grace G. Harvey	To Geo. M. Bowler.
1-2	11	Ida D. Freeman	To L.H. Craig
7-8	11	D. Heffi	2141 India
1-2-3	11 A.	C.P. Warder	Sold to City for taxes 1913.
1-2-3	12	Grace G. Harvey	To Geo M. Bowler.
1-2-3	D.	M. Hall	U.S. Grant Hotel Bldg.

SEE OPENINGS 11-82, 11-83, 11-84
 ORD. 11038, Aug 29, 1927 names.
 Linda Vista Rd. and Greenwood St.

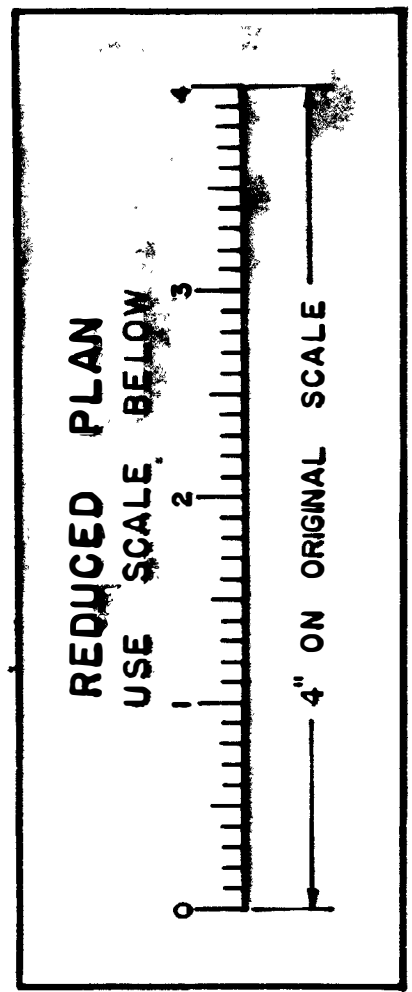


MICROFILMED
 MAR -- 1963
 018-1701





Sec 11



MICROFILMED
MAR -- 1963

PUEBLO LANDS OF THE
CITY OF SAN DIEGO
M.S.C. MAP No. 38

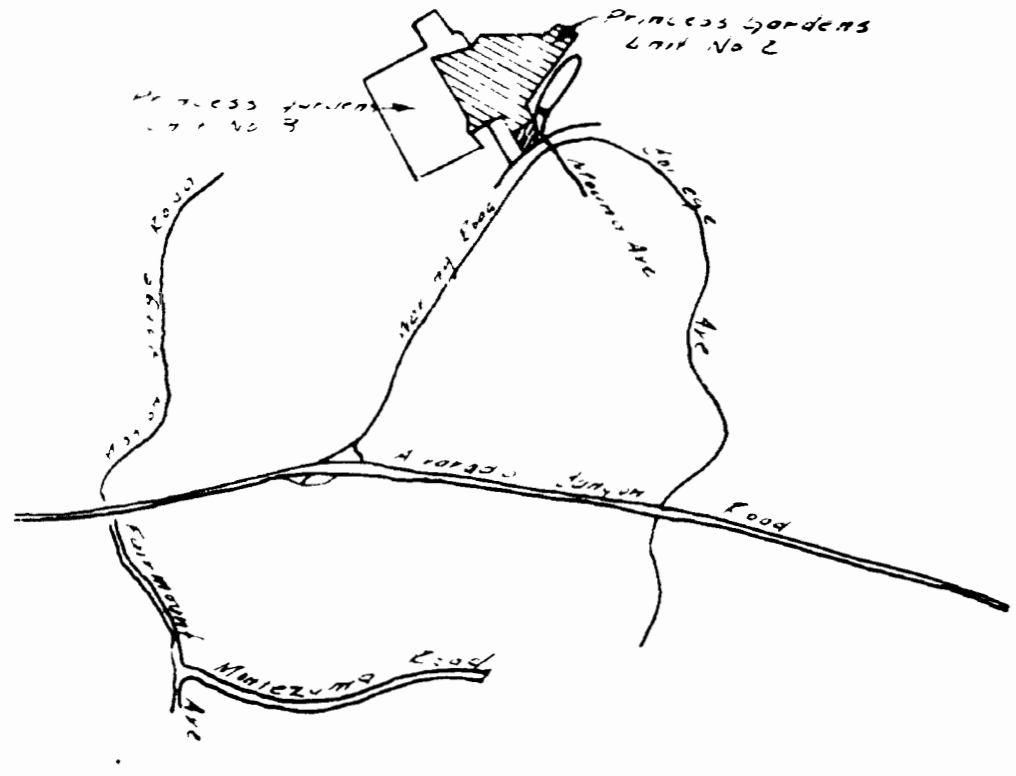
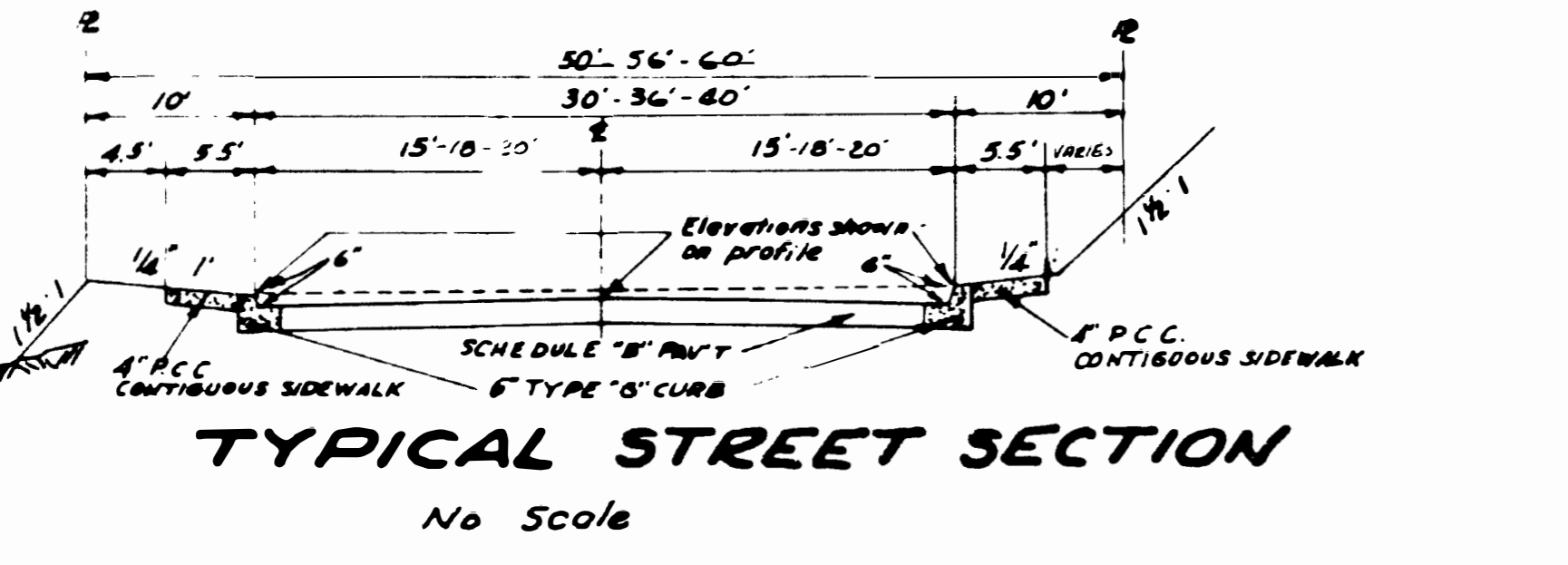
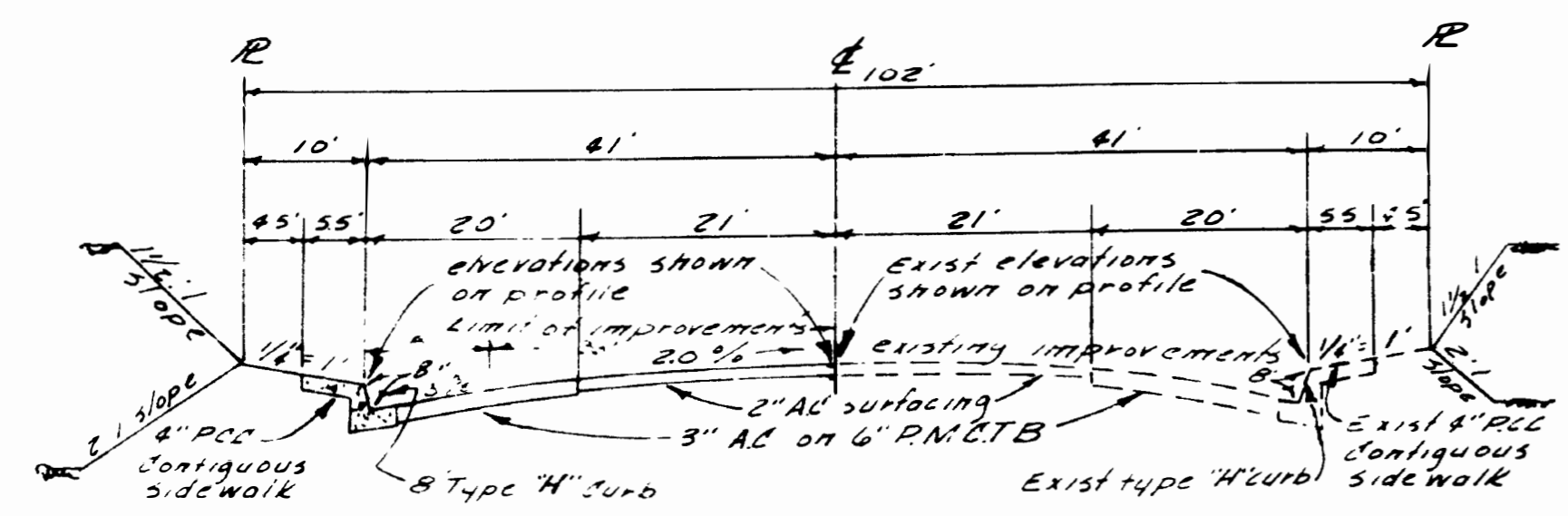
P.L. 297

Sheet 2 of 3

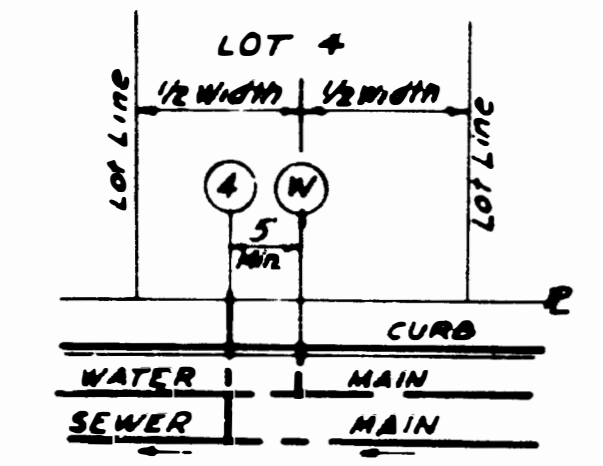
SEE OPENING 11-85

11-83

90
88
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2



WARNING: This subdivision lies in two water pressure systems. No water connections shall be made before the regulators are secure.



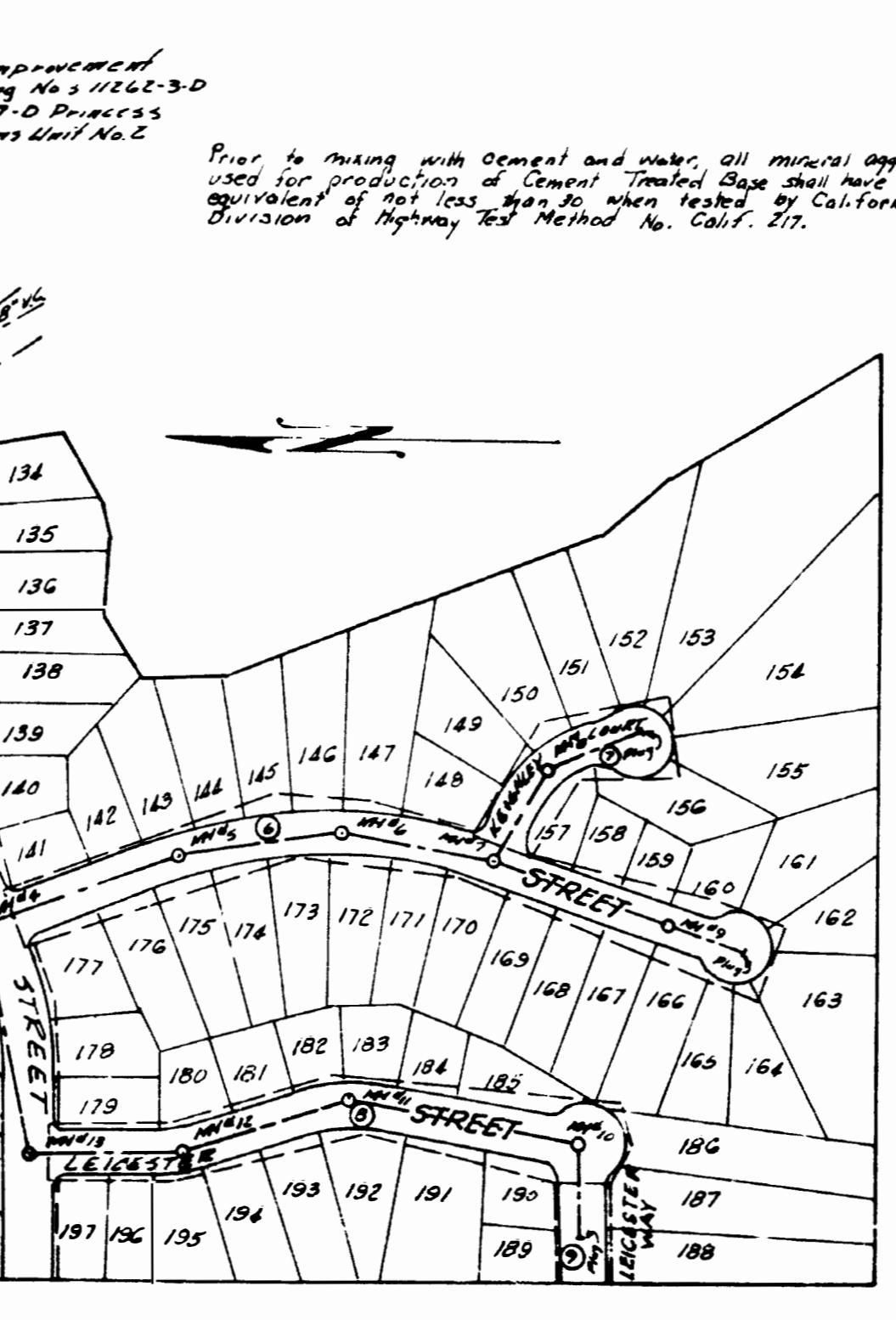
LOT NO.	INVERT ELEV.	DROP	INVERT ELEV.	LENGTH	CURB ELEV.	INVERT DATA	REMARKS
130	222.0	0.3	225.0	32	230.0		
135	219.6		224.4	37	225.3		
138	215.0		224.8	45	225.3		
139	211.5		215.0	43	220.0		
139	208.0		213.7	44	218.7		
139	201.8		205.4	42	210.4		
140	194.1		196.5	38	205.5		
141	186.6		187.3	29	192.3		
142	188.7		191.6	29	198.4		
143	191.2		197.7	26	202.3		
144	194.3		200.3	33	205.3		
145	199.8		206.0	35	211.2		
146	203.3		207.7	32	215.2		
147	206.5		209.7	30	214.7		
148	219.5		221.5	29	224.5		
149	221.4		225.9	28	228.9		
150	223.3		226.5	24	231.5		
151	224.8		230.0	30	235.0		
152	230.0		232.0	35	237.2		
153	230.0		232.7	35	237.7		
154	230.0		232.7	36	238.1		
155	230.0		233.3	50	238.3		
156	230.0		234.4	50	237.4		
157	230.3		233.3	33	233.6		
158	224.3		227.4	25	232.4		
159	227.7		230.5	25	235.5		
160	229.8		234.7	25	239.7		
161	230.3		237.1	45	242.1		
162	230.3		237.7	45	242.7		
163	230.3		237.7	45	242.7		
164	230.3		237.6	45	242.6		
165	230.1		236.3	38	241.1		
166	229.6		233.7	27	238.7		
167	227.0		230.2	19	235.0		
168	225.3		226.3	25	231.3		
169	219.7		222.7	26	227.7		
170	212.7		219.0	26	224.0		
171	211.1		216.2	19	219.2		
172	207.6		210.5	24	215.5		
173	201.7		205.8	21	209.8		
174	194.6		199.5	22	206.6		
175	190.7		196.7	27	201.7		
176	186.5		191.7	28	196.7		
177	182.5		188.8	30	188.8		
178	182.5		188.8	30	188.8		
179	182.5		188.8	30	188.8		
180	182.5		188.8	30	188.8		
181	182.5		188.8	30	188.8		
182	182.5		188.8	30	188.8		
183	182.5		188.8	30	188.8		
184	182.5		188.8	30	188.8		
185	182.5		188.8	30	188.8		
186	182.5		188.8	30	188.8		
187	182.5		188.8	30	188.8		
188	182.5		188.8	30	188.8		
189	182.5		188.8	30	188.8		
190	182.5		188.8	30	188.8		
191	182.5		188.8	30	188.8		
192	182.5		188.8	30	188.8		
193	182.5		188.8	30	188.8		
194	182.5		188.8	30	188.8		
195	182.5		188.8	30	188.8		
196	182.5		188.8	30	188.8		
197	182.5		188.8	30	188.8		
198	182.5		188.8	30	188.8		
199	182.5		188.8	30	188.8		
200	182.5		188.8	30	188.8		

REFERENCE DRAWINGS

PRINCESS GARDENS UNIT 2
 DWGS - 11262-1 thru 9-D
 ALLIED GARDENS UNIT 14 - 4720-D & 4721-D
 PRINCESS GARDENS UNIT NO. 1
 DWG. NO. 11244-4-D
 370 DWG. NO. 2-45-62
 0957-17-D, 1057-18-D CITY OF San Diego
 Record of Survey, 5837, 1634, 627
 3rd Dwg. 2-50-62

SITE DEVELOPMENT
 GRADING PLANS DWG NOS 11428-11-T.D.
 11428-12-T.D.
 11428-13-T.D.
 11428-14-T.D.

LOT NO.	INVERT ELEV.	DROP	INVERT ELEV.	LENGTH	CURB ELEV.	INVERT DATA	REMARKS
201	180.8	0.3	182.9	35	187.9	5.0	
202	174.0	0.3	178.4	27	183.6	5.0	
203	172.0	0.3	175.0	31	180.0	5.0	
204	172.0	0.3	175.0	31	180.0	5.0	
205	180.6	0.3	183.9	25	185.9	5.0	
206	172.4	0.3	175.2	22	180.2	5.0	
207	175.0	0.3	176.9	24	181.9	5.0	
208	172.0	0.3	175.0	27	180.3	5.0	
209	168.0	0.3	171.5	30	176.5	5.0	
210	163.0	0.3	167.9	37	172.9	5.0	
211	165.5	0.3	167.9	31	180.9	5.0	
212	152.5	0.3	156.4	30	160.4	5.0	
213	157.9	0.3	160.7	27	168.7	5.0	
214	150.5	0.3	151.7	29	159.7	5.0	
215	152.0	0.3	155.0	24	160.0	5.0	
216	154.0	0.3	157.2	26	162.2	5.0	
217	154.0	0.3	157.2	26	162.2	5.0	
218	154.0	0.3	157.2	26	162.2	5.0	
219	154.0	0.3	157.2	26	162.2	5.0	
220	154.0	0.3	157.2	26	162.2	5.0	
221	154.0	0.3	157.2	26	162.2	5.0	
222	154.0	0.3	157.2	26	162.2	5.0	
223	154.0	0.3	157.2	26	162.2	5.0	
224	154.0	0.3	157.2	26	162.2	5.0	
225	154.0	0.3	157.2	26	162.2	5.0	
226	154.0	0.3	157.2	26	162.2	5.0	
227	154.0	0.3	157.2	26	162.2	5.0	
228	154.0	0.3	157.2	26	162.2	5.0	
229	154.0	0.3	157.2	26	162.2	5.0	
230	154.0	0.3	157.2	26	162.2	5.0	
231	154.0	0.3	157.2	26	162.2	5.0	
232	154.0	0.3	157.2	26	162.2	5.0	



Underground Contractor
 Princess Homes, Inc.
 A.C. Water Pipe supplied by
 Johns Mansville and
 Fittings by Tyler & Rich
 Street Paving by K.H. Golden

MICROFILMED
 MAR 26 1965

WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE FOLLOWING STANDARD DRAWINGS AND SPECIFICATIONS OF THE CITY OF SAN DIEGO.

SPECIFICATIONS

PART I, FILED APRIL 9, 1958 INCLUDING AMENDMENTS TO PART I, FILED APR. 8, 1959 (AMENDED) & SECTION I, FILED OCTOBER 26, 1961; PART V, FILED JULY 3, 1962; AND SPECIAL CONDITIONS P-18, AMENDED MAR. 1, 1963 HERE TO ATTACHED.

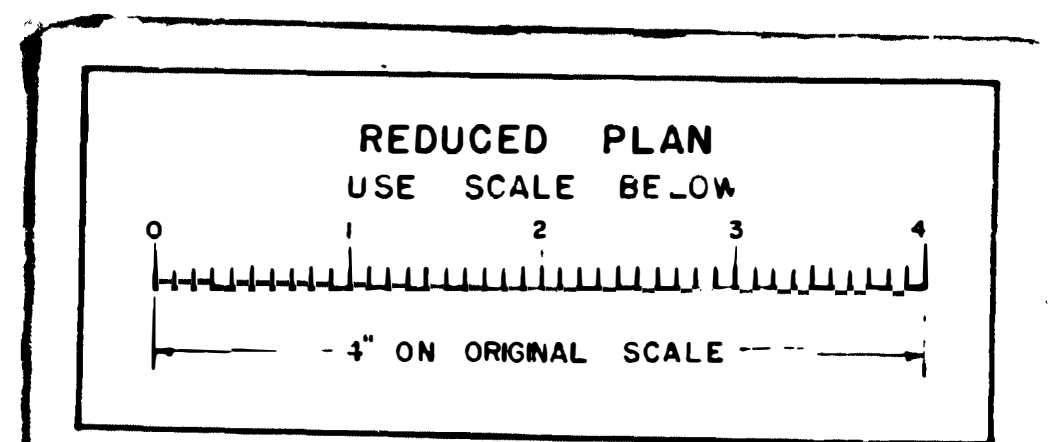
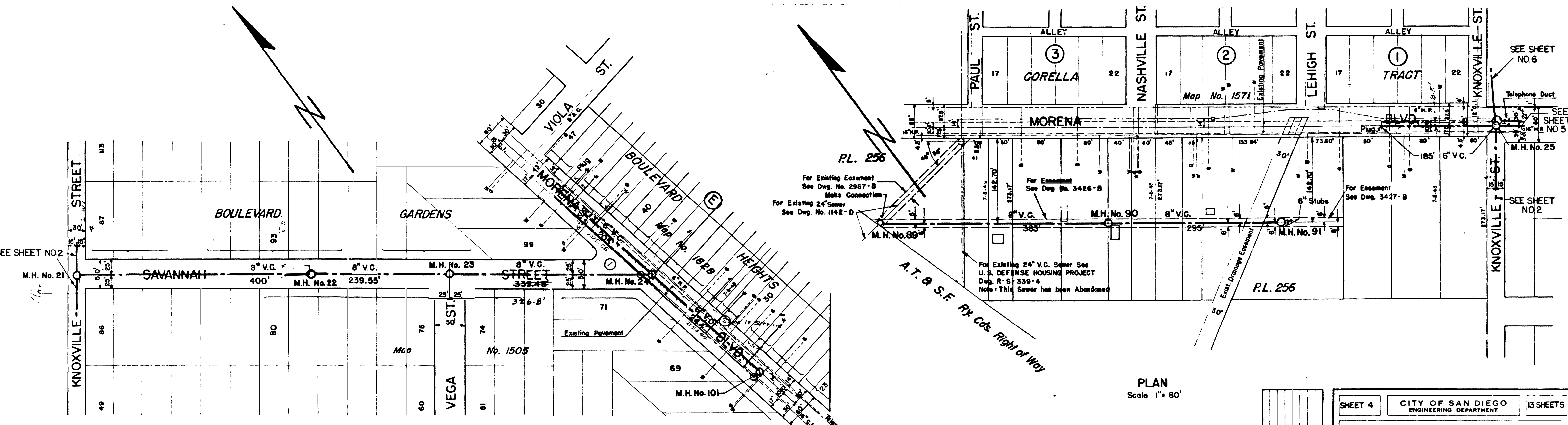
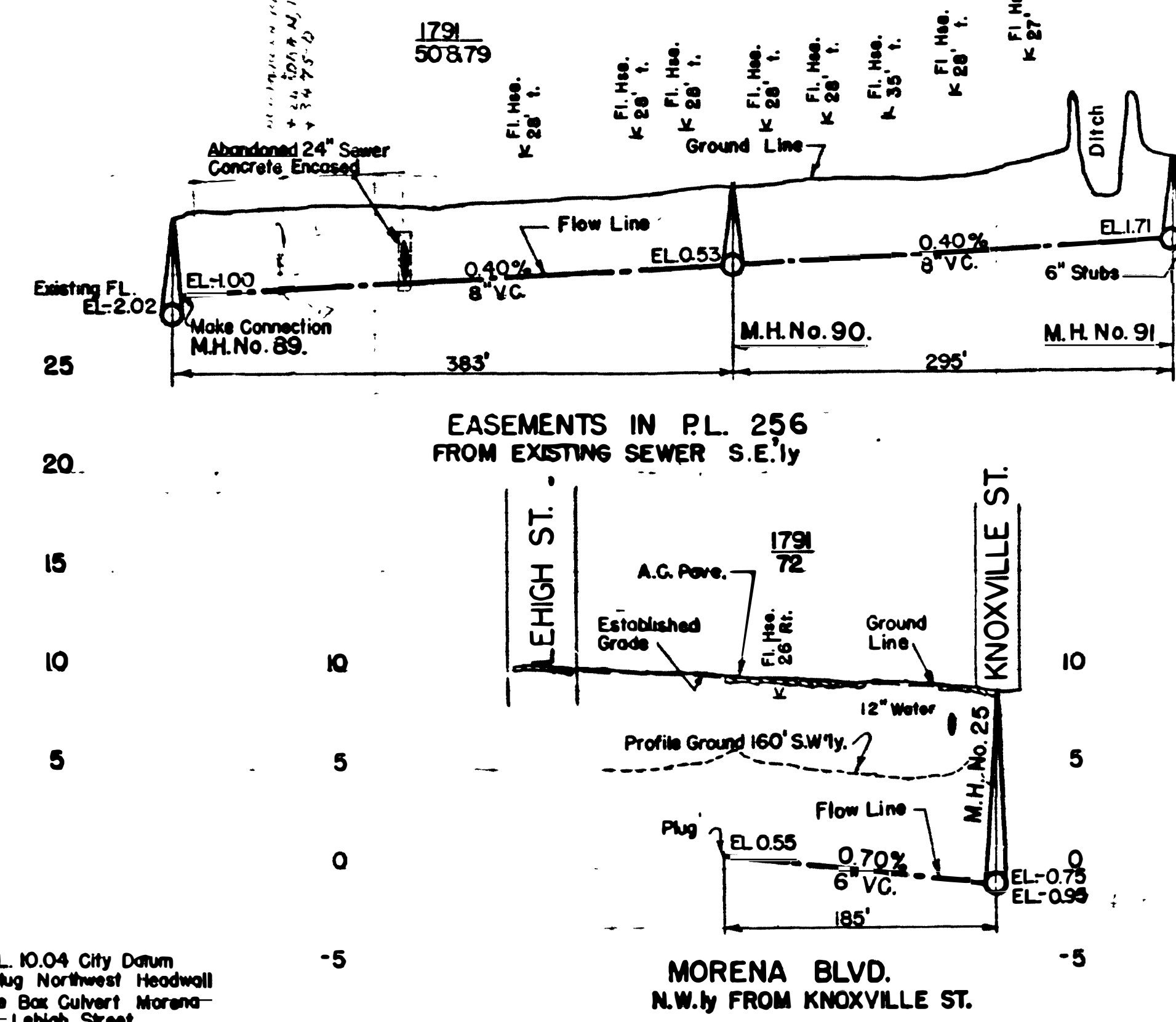
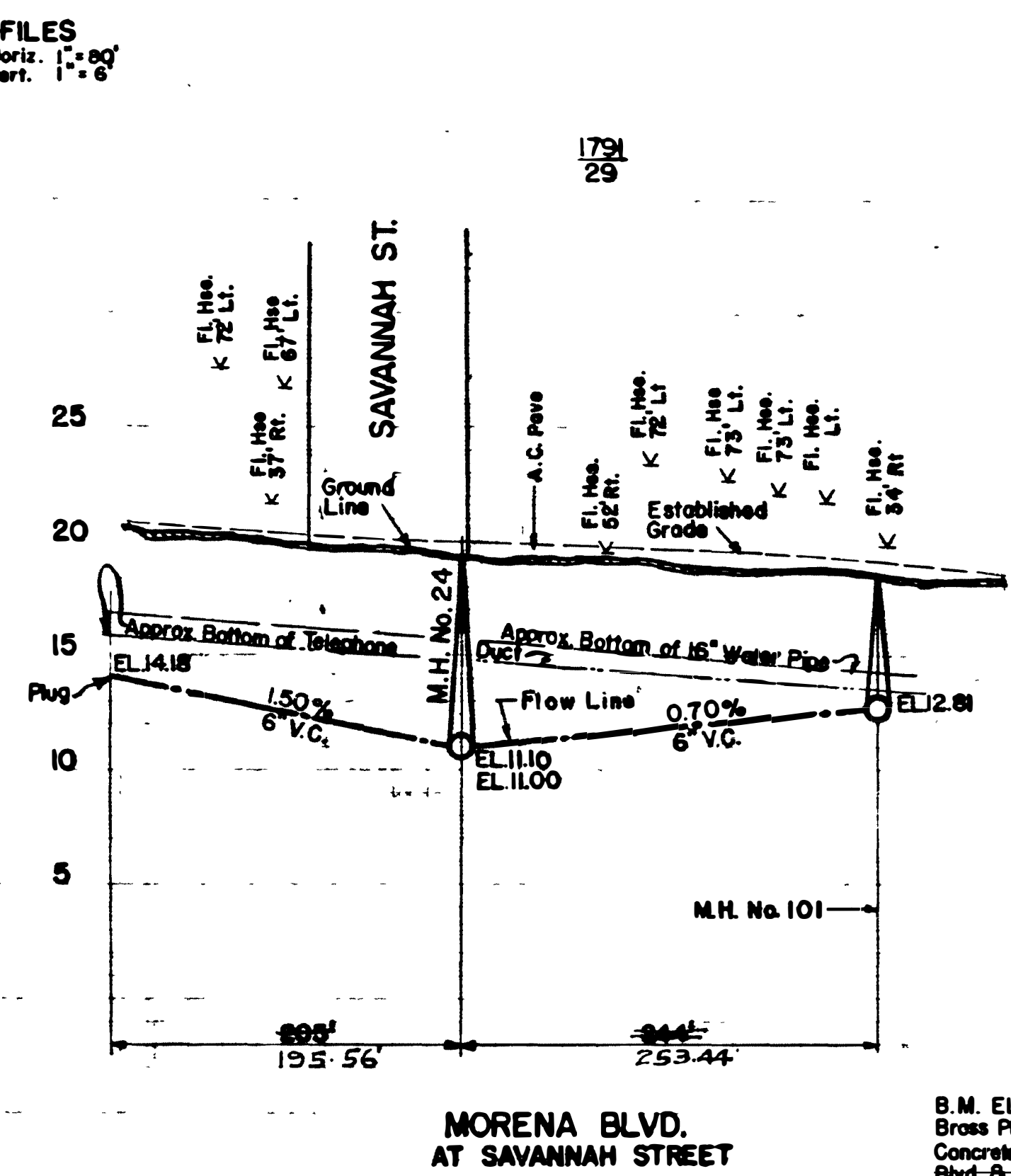
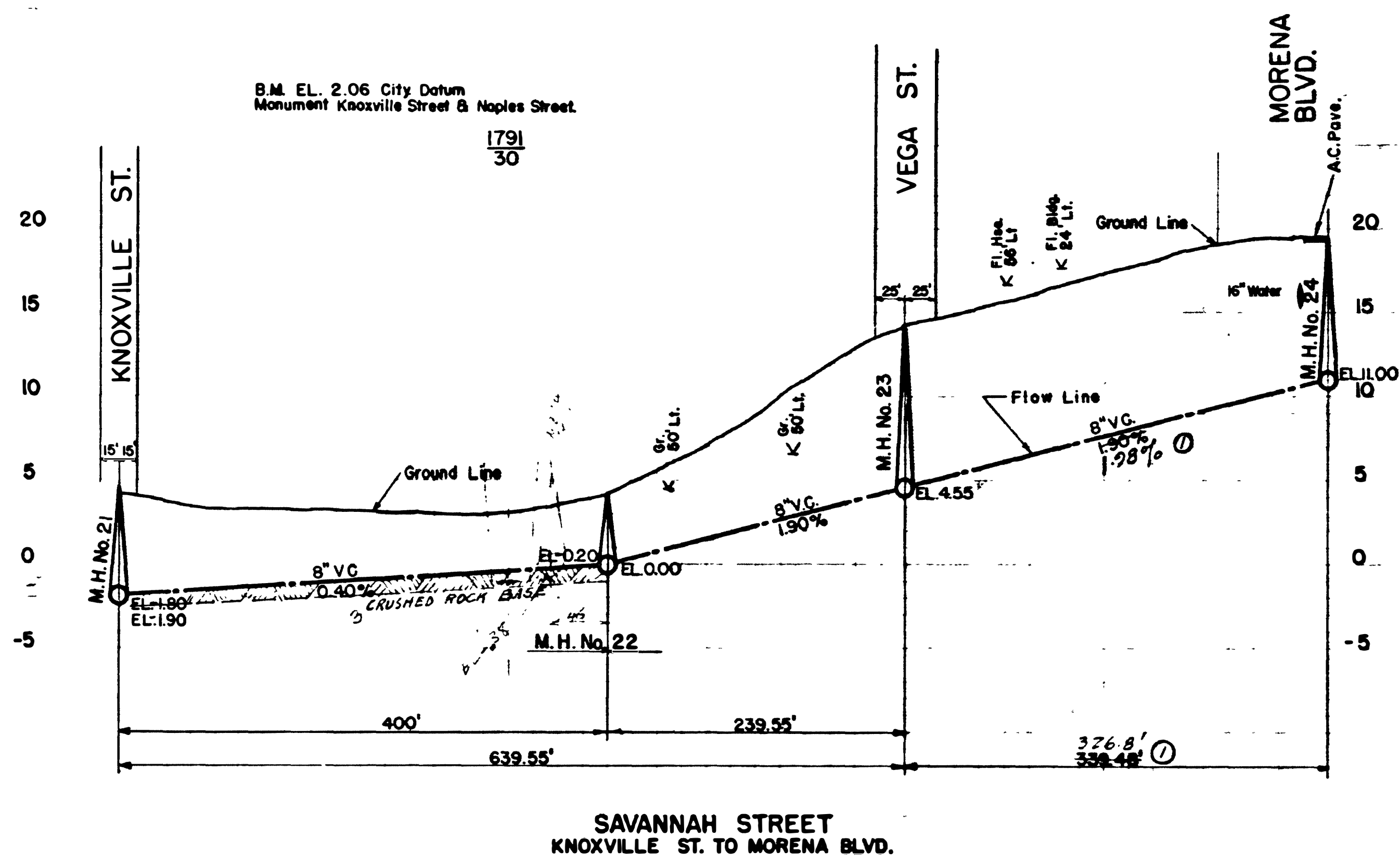
IMPROVEMENTS	ST'D DWG'S.	SYMBOL
TYPE 'B-2' CURB INLET	D-8-62	
GRADING		
P.C.C. PAVING		
A.C. PAVING		
A.C. SURFACING	G-9-55	
TYPE 'G' CURB		
STANDARD 'G' CURB	G-16-55	
JIDEWALK	G-4-55, G-53-57	
DRIVEWAYS	G-22-56, G-23-56, G-40-55, G-41-61	
(7) CONCRETE CONTROL MONUMENT	M-21-62	
V.C.P. SEWER MAINS	S-1-59	
4" V.C.P. SEWER LATERAL	S-22-62	
CONCRETE MANHOLE	S-8-63, M-23-57	
BLOWOFF ASSEMBLY	W-7-60	
GATE VALVE & BOX	W-12-61	
6" FIRE HYDRANT & SERVICE	W-14-63, W-15-63	
A.C. WATER MAIN & APPURTENANCES	W-6-59, W-61-60	
3/4" COPPER WATER SERVICE	W-2-63, W-27-63, W-60-60	
GUARD FENCE (C.I.C.S.)	T-9-62, T-29-58	
STORM DRAIN	D-3-55	
CURTAIN WALL	D-28-56	
TYPE 'A' CURB INLET	D-4-62	
TYPE 'G' CLEANOUT	D-11-55	
PAVEMENT CUTOFF WALL	G-27-55	
LEGEND EXISTING WORK	P-1-56	
CUTOFF WALL	S-6-59	
CROSS GUTTER	G-35-57	
'A.C. BERM	G-21-55	
TYPE 'J' INLET	D-22-55	
TYPE 'K' CURB INLET	D-17-61	
TYPE 'A' CURB INLET	D-4-62	
MULTIPLE BRANCH WATER SERVICE	W-60-60	
CONCRETE SEWER ENCASEMENT	S-5-57	
PIPE COLLAR	D-14-55	
STANDARD DRAIN OUTLET	D-20-54	
PRESSURE REGULATING VAULT	W-32-63	
12" TYPE WYE	W-6-59	
TYPE 'H' CURB 'B'	G-5-55	
CONCRETE ANCHOR	S-27-57	
4" METAL GUARD RAIL	T-9-62	
THE COST OF WATER MAIN CONNECTIONS SHOWN ON THESE PLANS ARE AS FOLLOWS:		
CONN. NO. 1 \$6000, CONN. NO. 2 \$32000, CONN. NO. 3 \$46000		
ALL 12" GATE VALVES SHALL HAVE BY-PASS VALVES.		
PRIVATE CONTRACT ENGINEER OF DESIGN		

PLANS FOR THE IMPROVEMENT OF:
 FONTAINE STREET, KEIGHLEY STREET, KEIGHLEY CT, PRINCESS VIEW DRIVE, LEICESTER STREET, LEICESTER WAY, WEMBLEY STREET, ROMFORD COURT, 51ST STREET, AND PUBLIC RIGHTS OF WAY IN AND ADJOINING PRINCESS GARDENS, UNIT NO. 3.

CITY OF SAN DIEGO ENGINEERS DEPARTMENT			SHEET 1 OF 13 SHEETS		NO. 76894
PLAN REVISION	BY	DATE	APPROVAL	DATE	
AS BUILT		8/10/2004	M.N. 3-24-65		
CONSTRUCTION RECORD					
DATE COMPLETED					
STRUCTURAL ENGINEER					
GRADING ENGINEER					
TRAFFIC ENGINEER					
CONTRACT NO.					
PROJECT NO.					
FIELD BOOK	230-1743				11428-1-D

AS BUILT

INDEX



WATER DEPARTMENT		CITY OF SAN DIEGO	
SEWER DEPARTMENT		ENGINEERING DEPARTMENT	
DRAINAGE		SHEETS	
FIELD CHECK		13 SHEETS	
PLANNING COMMISSION		SHEET 4	
GRABBER		CITY ENGINEER	

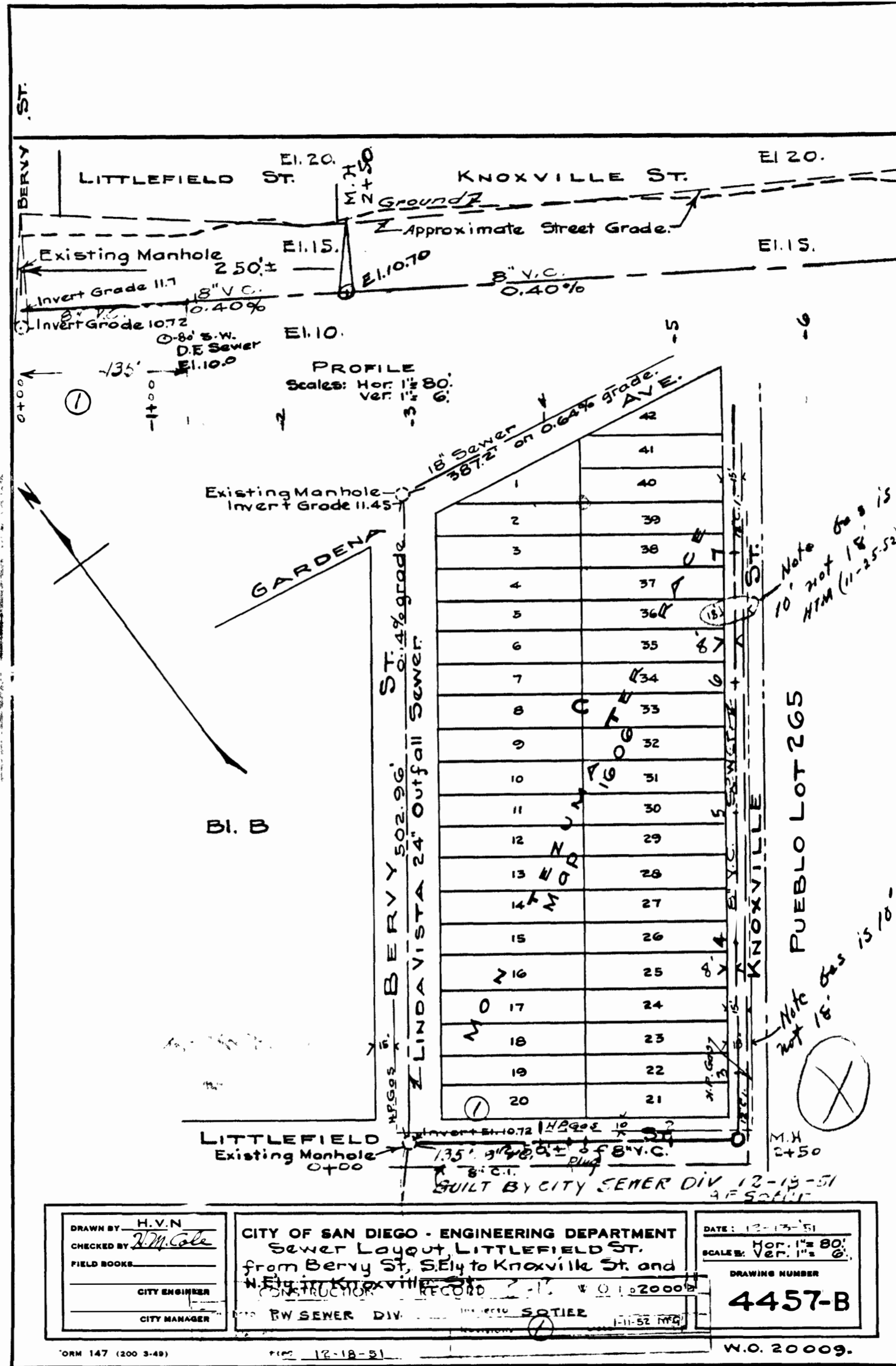
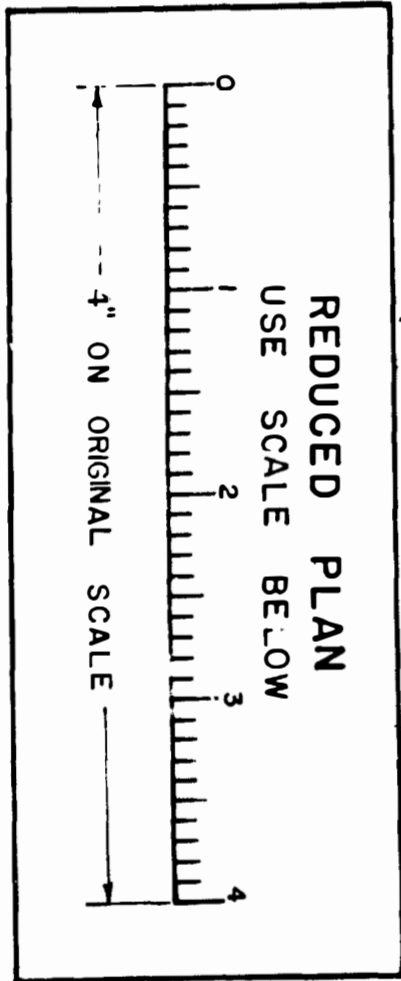
Plans for the construction of Sanitary SEWERS
in MORENA BLVD., PAUL ST., CUSHMAN AVE.,
WEEKS AVE., PLAINVIEW ROAD, ET AL.

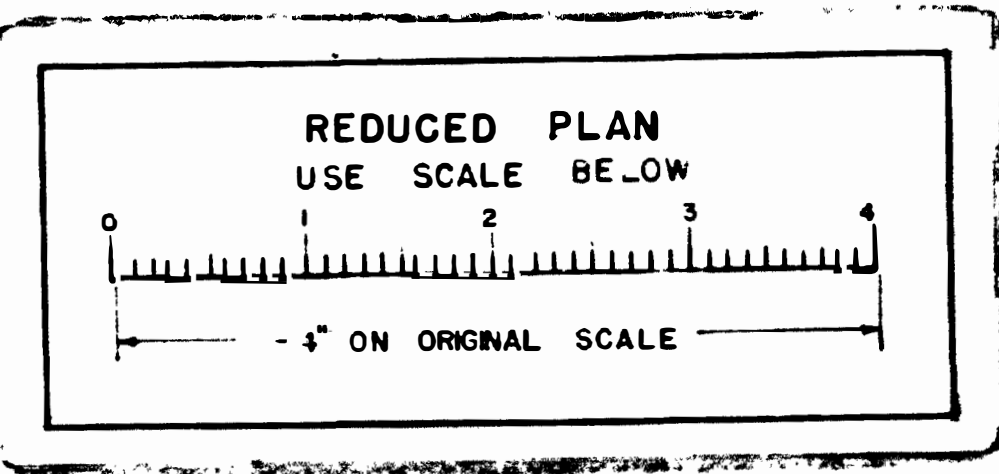
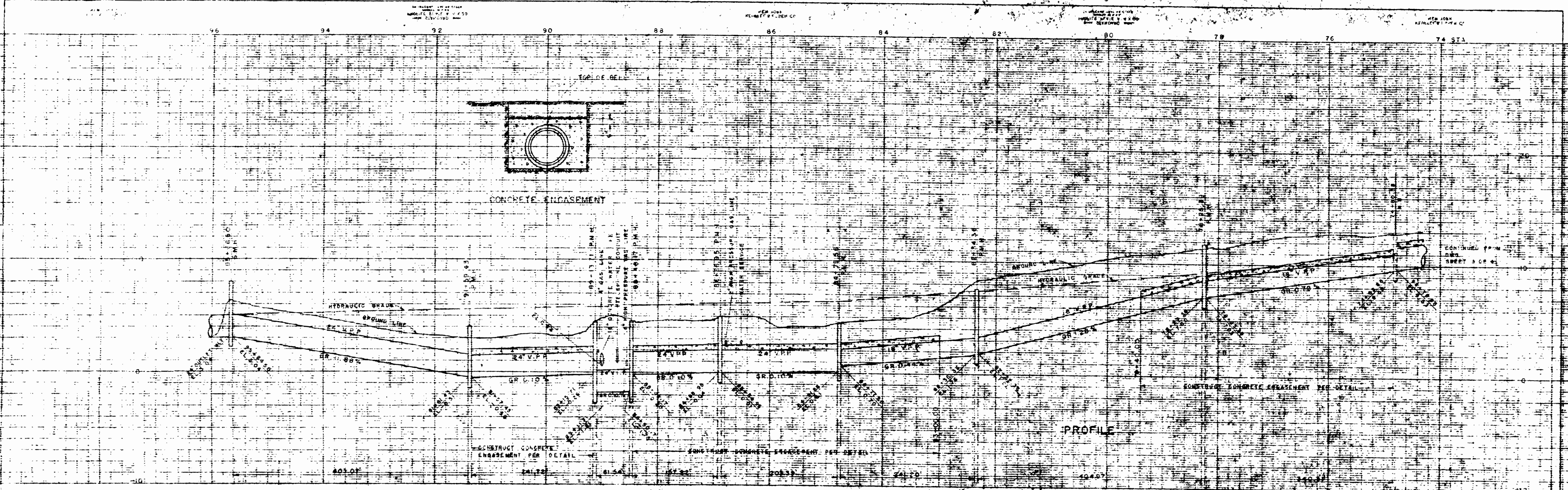
APPROVED: *[Signature]* DATE: Sept 10, 1948
CITY ENGINEER: *[Signature]* SCALE: AS SHOWN

DRAWN BY: GILSON
CHECKED BY: *[Signature]*
ORDERED BY: *[Signature]*
FIELD NUMBER: 1791

DRAWING NUMBER: 1343-D

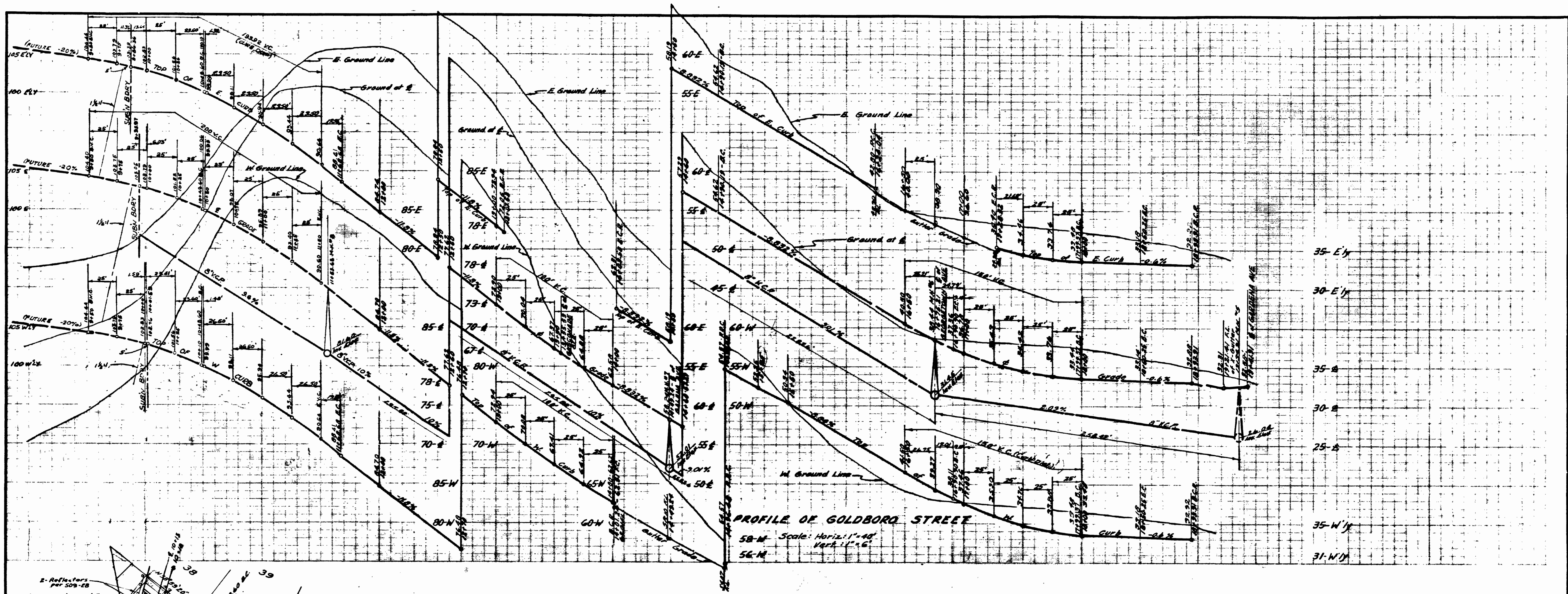
CONSTRUCTION RECORD
CONTRACTOR: BUTTERFIELD
INSPECTOR: DABBY
DATE STARTED: 8-1-48
DATE COMPLETED: 8-31-48
W.O. No. 31908
DATE: 8-23-48



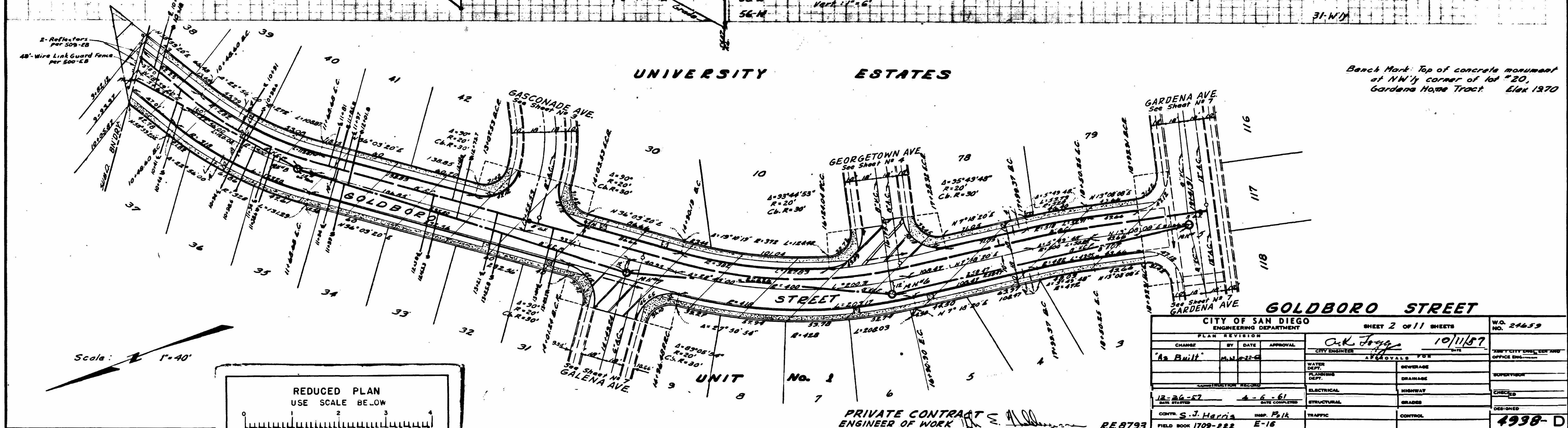


FEDERAL WORKS AGENCY
JOHN M. CARMODY
DIRECTOR OF ADMINISTRATION
PUBLIC BUILDINGS ADMINISTRATION
W. E. REYNOLDS
COMMISSIONER OF PUBLIC BUILDINGS
LUDWIG A. SIMON
SUPERVISOR OF ARCHITECTURE
G. MARSH STANTLEY UNDERWOOD
CONSULTING ARCHITECT
W. G. MULL
CHIEF OF ARCHITECTURE
N. S. THOMPSON
CHIEF OF MECHANICAL ENGINEERING
T. C. BRAYNE
CHIEF OF STRUCTURAL AND MECHANICAL ENGINEERING

4608-3-D
DEFENSE HOUSING PROJECT
NO. CAL 4092 - SAN DIEGO, CALIFORNIA
GORDON S. BARNER, PROJECT MANAGER
DRAWING TITLE: **OUTFALL SEWER**
DRAWN BY: GIBBY TRACY DATE: 5/21/53 SCALE: AS SHOWN
CHECKED BY: CONTRACTOR'S REPRESENTATIVE
APPROVED BY: GOVERNMENT ENGINEER
APPROVED BY: GOVERNMENT SURVEYOR
MICROFILMED
MAY - 1963
R-S-339-4
SHEET 4 OF 4



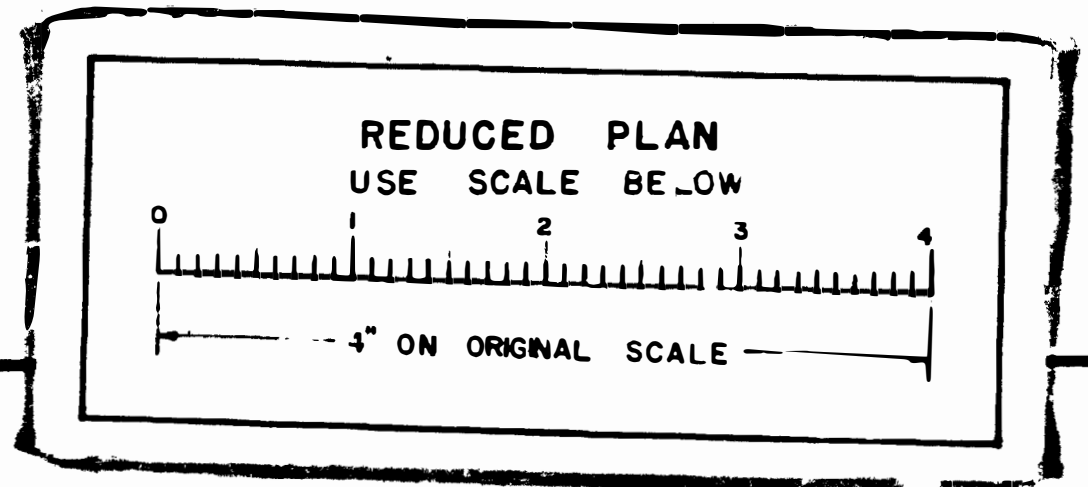
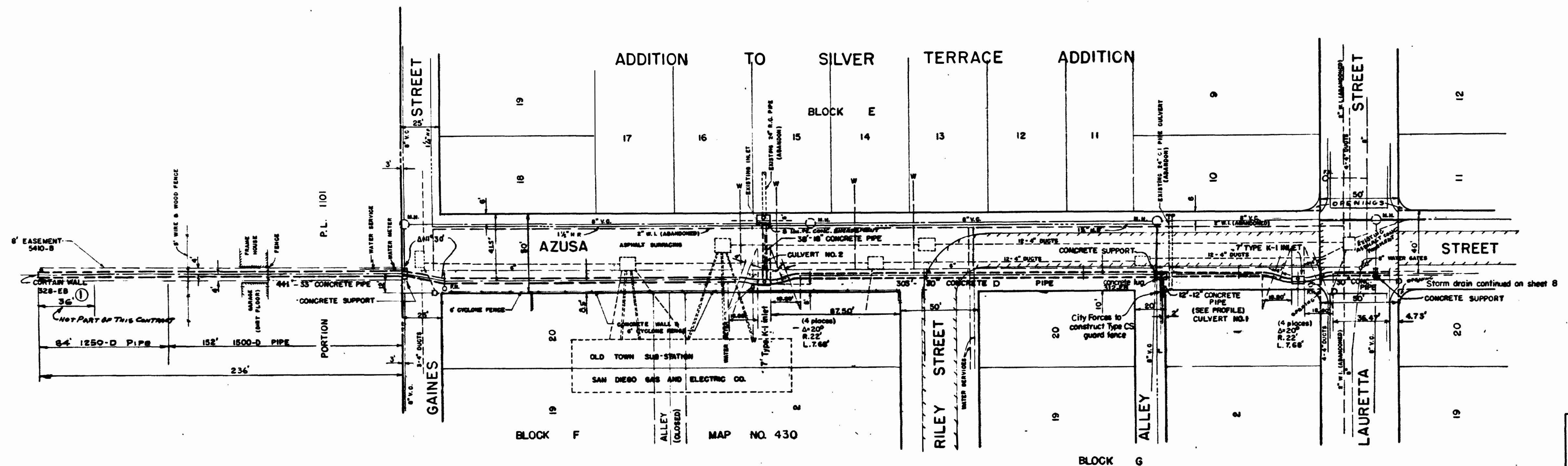
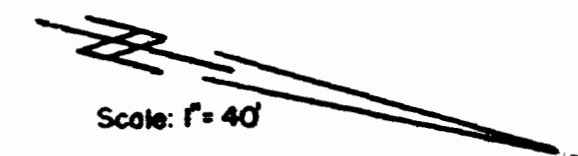
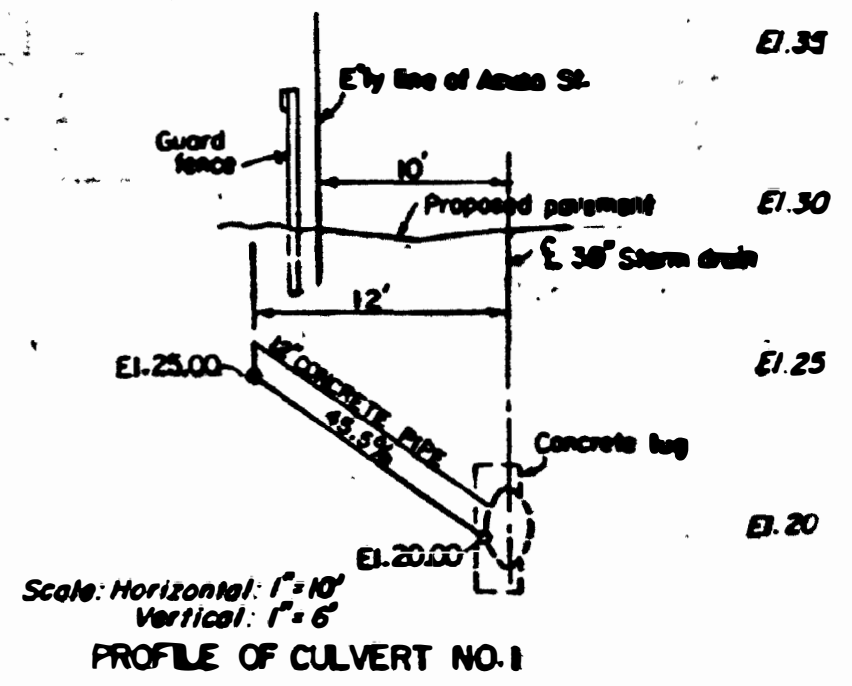
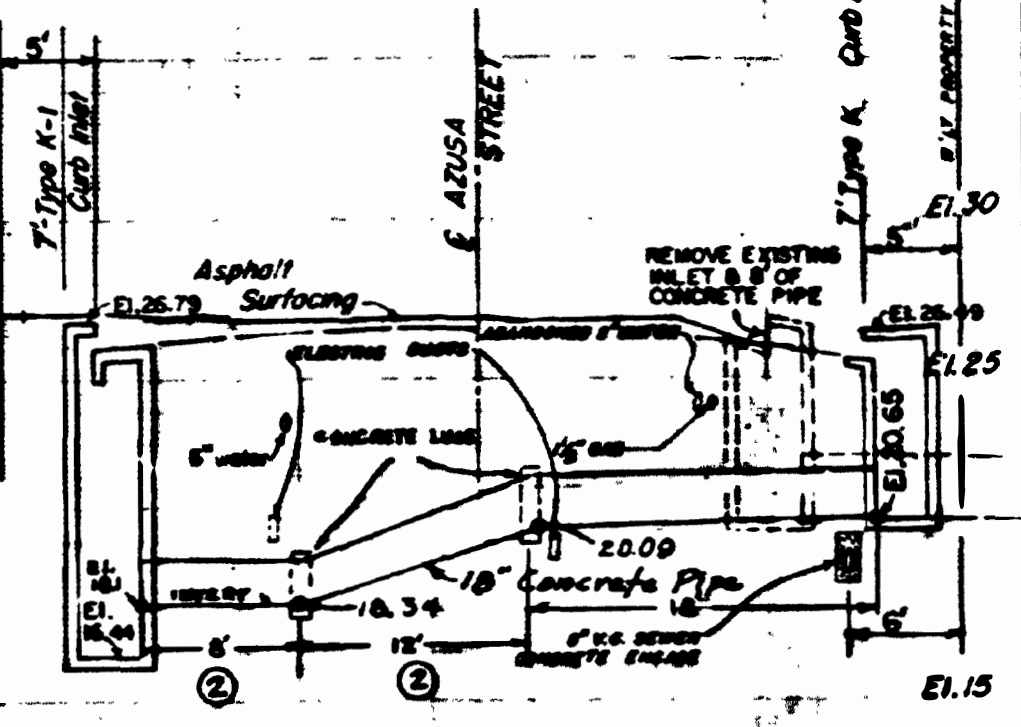
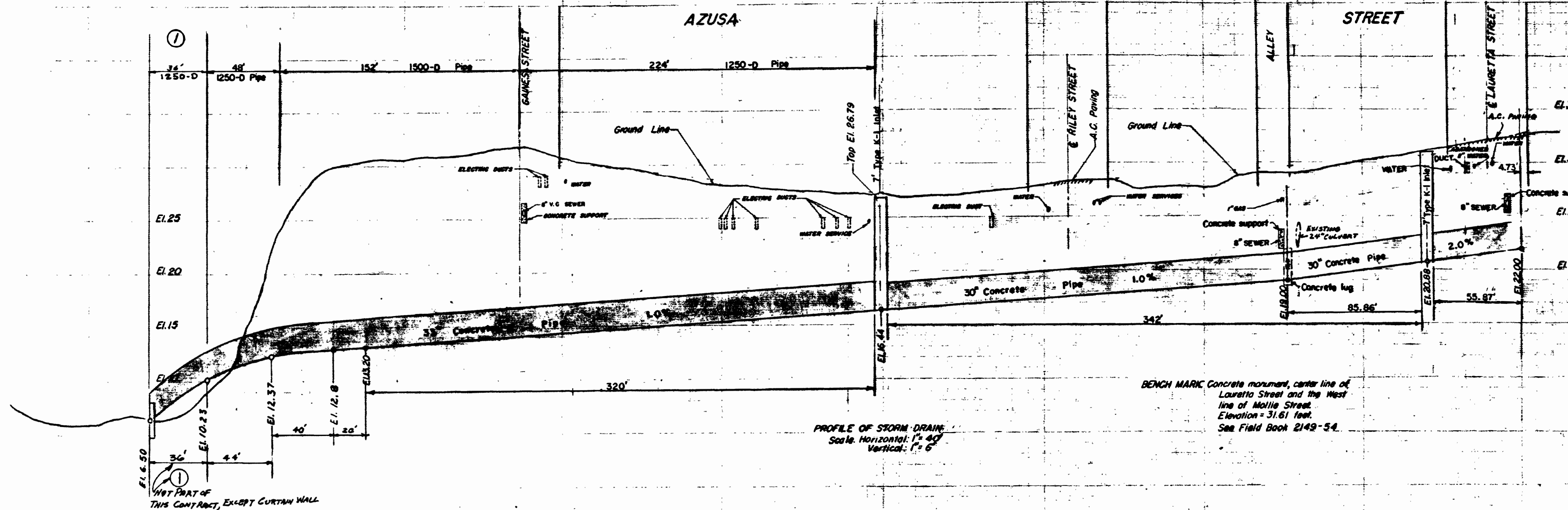
UNIVERSITY ESTATES



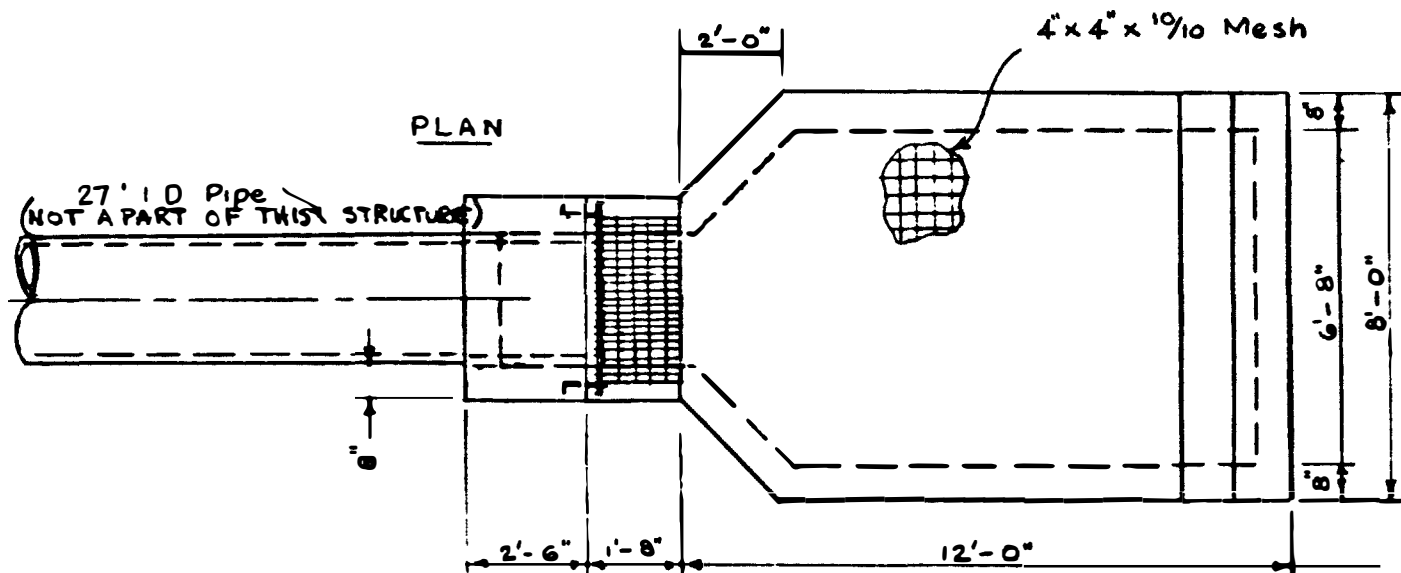
Bench Mark: Top of concrete monument at NW corner of lot #20, Gardena Home Tract. Elev 1370

CITY OF SAN DIEGO ENGINEERING DEPARTMENT				SHEET 2 OF 11 SHEETS		NO. 24659
PLAN REVISION				DATE		10/11/57
CHANGED BY	DATE	APPROVAL	CITY ENGINEER		DATE	OFFICE ENG.
As Built	M.M. 12-6		C.K. Foy			
CONSTRUCTION RECORD				APPROVALS FOR		
12-26-57		4-6-61		WATER DEPT.		SEWERAGE
DATE COMPLETED		DATE COMPLETED		PLANNING DEPT.		DRAINAGE
CONTR. S.J. Harris		INSPE. Peik		ELECTRICAL		HIGHWAY
FIELD BOOK 1709-222		E-16		STRUCTURAL		GRASSES
				TRAFFIC		CONTROL
						4938-D

PRIVATE CONTRACT ENGINEER OF WORK



SHEET 9		CITY OF SAN DIEGO ENGINEERING DEPARTMENT		9 SHEETS	
COLUSA ST., et al.					
APPROVED	<i>[Signature]</i>	CITY ENGINEER	DATE	4/11/58	SCALE AS SHOWN
DESIGNED BY	W. G. MUM	DATE	8-20-54	DRAWING NUMBER	5599 - D
CHECKED BY	DE MASS	DATE	1/14/58	CONTRACTOR	DALEY CORP.
PLANNING COMMISSION		INSPECTOR	POLK	RECORD	W. G. No. 2837
GRADES		CONVEYED BY	AS BUILT	DATE COMPLETED	7-9-59
SUPERVISOR		FIELD BOOKS	228, 22-61		



PLAN

Note All exposed metal parts to be galvanized

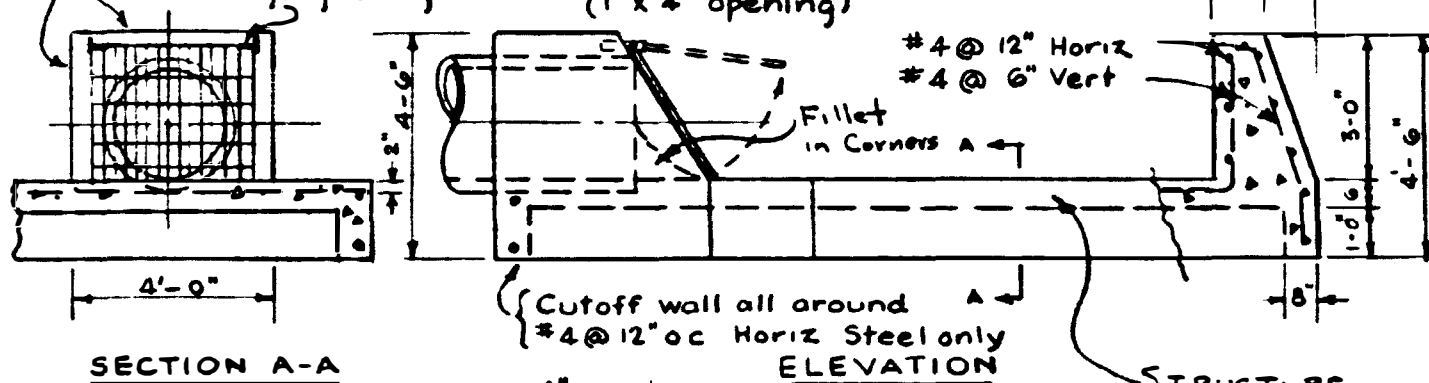
#4 @ 12" o.c both ways top & sides

Hinge grating

Kerlow CB-5 1 1/4" x 3/16" Grating or equal, galv (1" x 4" opening)

#4 @ 12" Horiz #4 @ 6" Vert

Fillet in Corners A

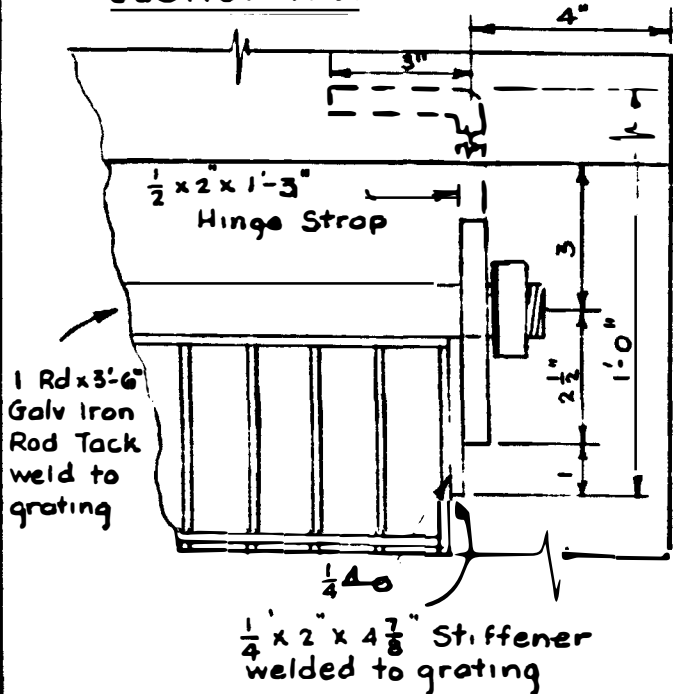


SECTION A-A

STRUCTURE CONCRETE

HINGE DETAIL (grating swung up horizontally) Scale: 3" = 1'-0"

MICROFILMED

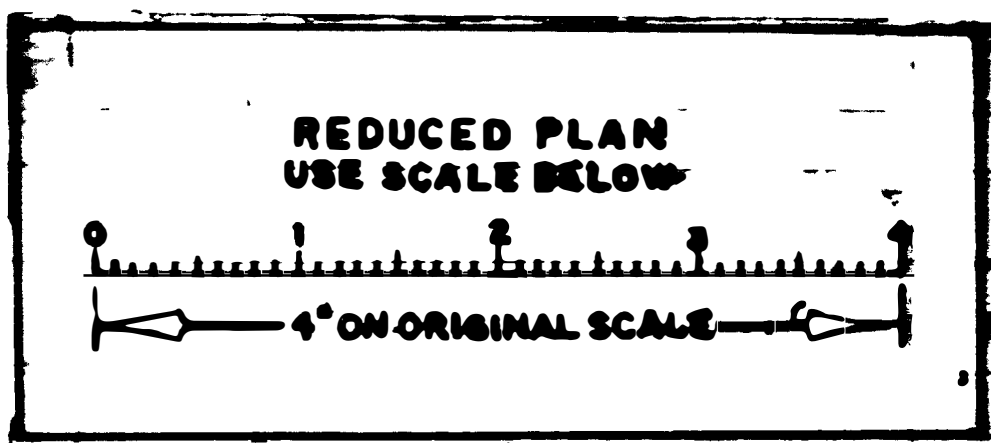


Drawn JW Checked C.H.B

CITY OF SAN DIEGO CALIFORNIA WATER DEPARTMENT	
SUTHERLAND-SAN VICENTE CONDUIT OUTLET STRUCTURE - STA 639+96±	
<i>WC Brown</i> Engineer	<i>Beerman</i> Director
Scale 1/4" = 1'-0"	Date 1-16-53

FORM 897

N9 5726W



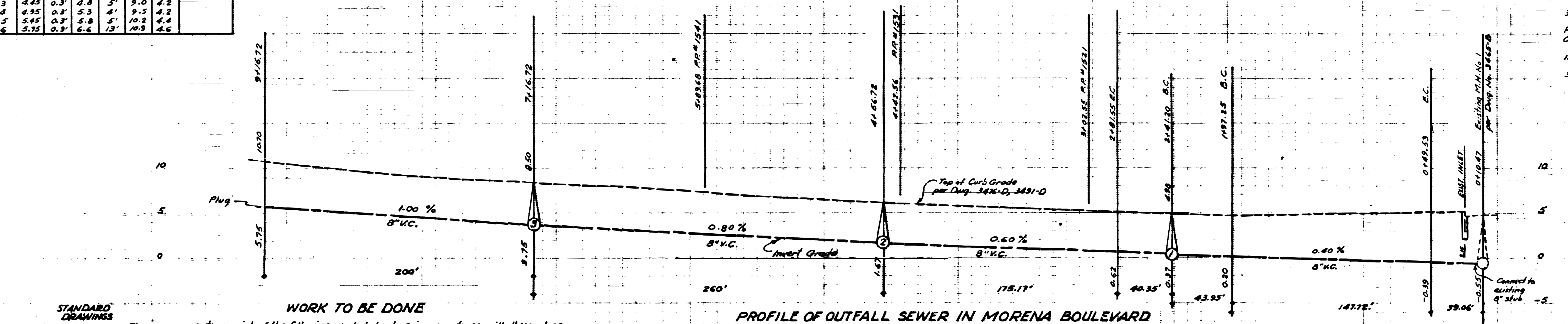
SPECIFICATIONS

Standard Specifications: Parts 4-1-58; Part V Item 5-9-58
General Conditions for Private Contract Work
Special Conditions P-13

REFERENCE DRAWINGS

3476-D, 3491-D Morena Boulevard
Federal Housing Authority Project Cal-4092-
Outfall Sewer (Linda Vista Outfall Sewer)
1142-D Trunk Sewer No. 2
3465-B Sewer Main Extension

Lat. No.	Inv. El.	Drop Main @ ft.	Inv. @ ft.	Length	Curb El.	Inv. Depth below st.	Remarks
1	3.95	0.3'	3.9	7'	8.1	4.2'	
2	3.95	0.3'	4.4	6'	8.5	4.1	
3	4.45	0.3'	4.8	5'	9.0	4.2	
4	4.95	0.3'	5.3	4'	9.5	4.2	
5	5.45	0.3'	5.8	5'	10.2	4.4	
6	5.95	0.3'	6.6	13'	10.9	4.6	



WORK TO BE DONE

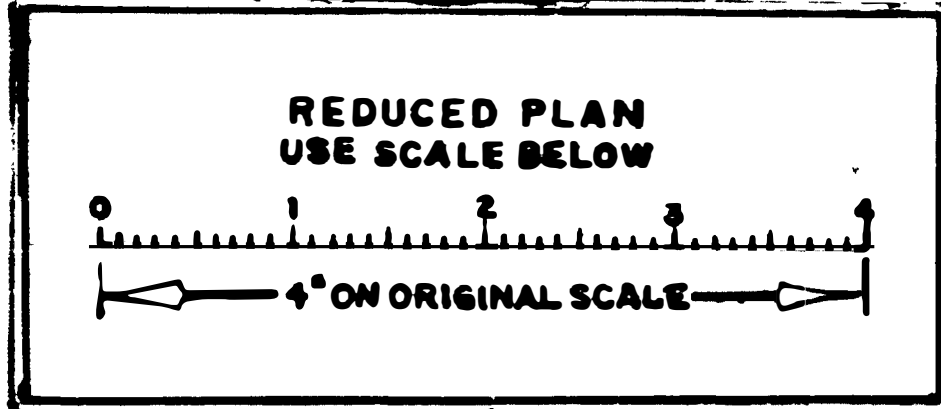
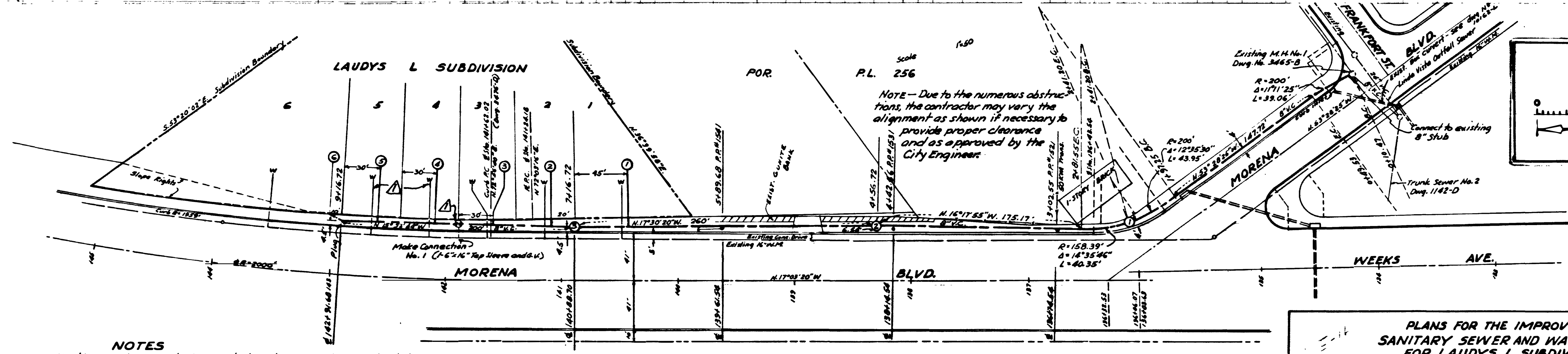
The improvements consist of the following work to be done in accordance with these plans and the specifications of the City of San Diego:

- 101-EB The construction of vitreous clay sewer main shown thus:
- 122-EB The construction of 6" vitreous clay sewer laterals shown thus:
- 107-5B, 108-EB The construction of concrete manholes shown thus:
- 200-WB The construction of 3/4" copper water services shown thus:
- 205-WB The construction of fire hydrant and appurtenances shown thus:

PROFILE OF OUTFALL SEWER IN MORENA BOULEVARD

Horizontal 1" = 40'
Vertical 1" = 4'

B.M. - S.E. Corner Conc. M.H. slab
@ Morena Blvd. Sta. 152+40
EL. 4.54



NOTES

Sewer pipe shall be extra-strength vitreous clay except where noted on plans, and where constructed in fill where compaction of bottom of trench is less than 90%, shall be encased in reinforced concrete.

Sewer manholes shall be Type "B" unless otherwise indicated on plans.

All water services shall be 3/4" copper pipe unless otherwise shown on plans.

"AS BUILT" NOTE: Fire Hydrant & Water Services Installed by City Forces.

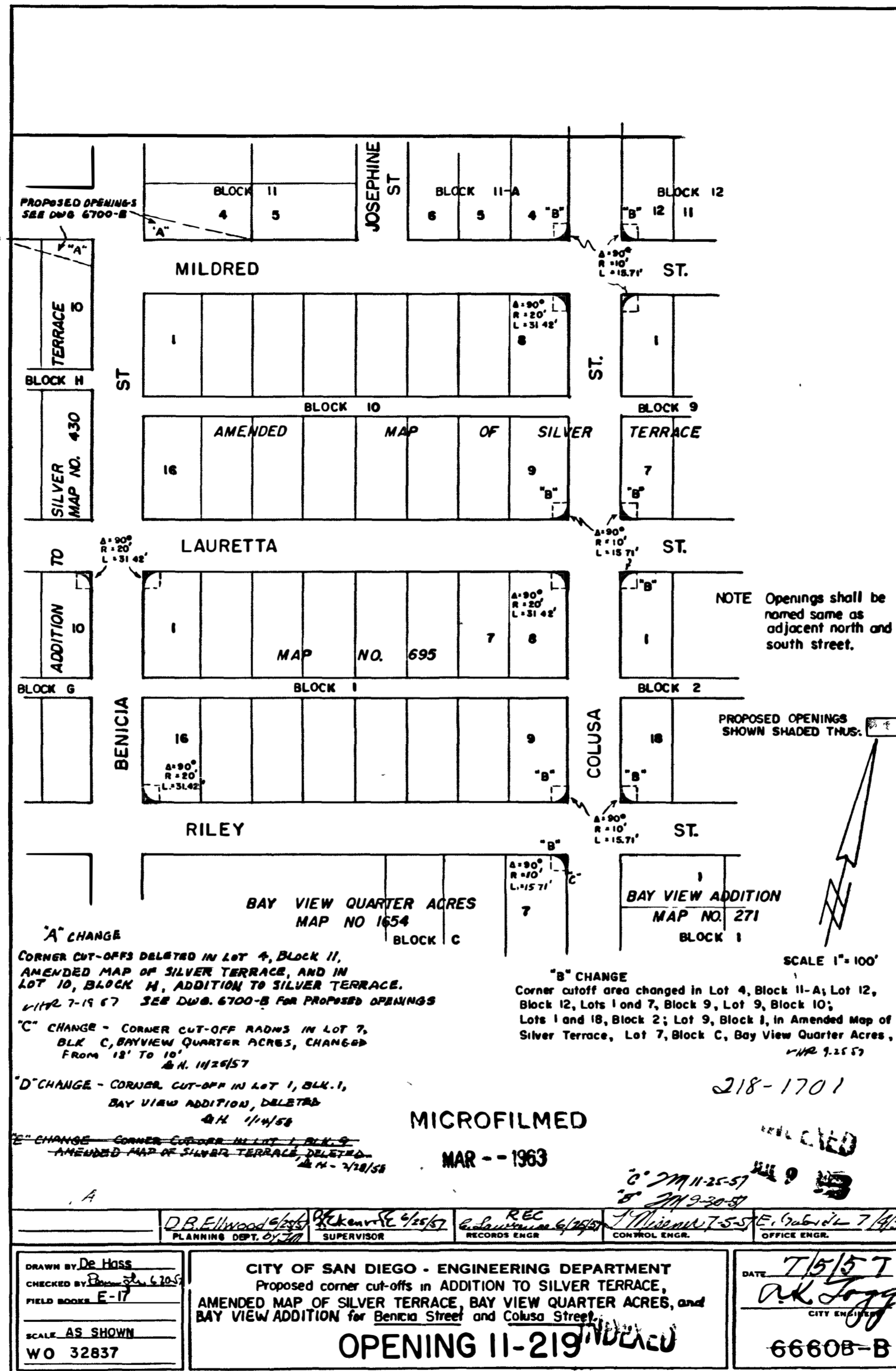
A. T. & S. F. RY.

170.22

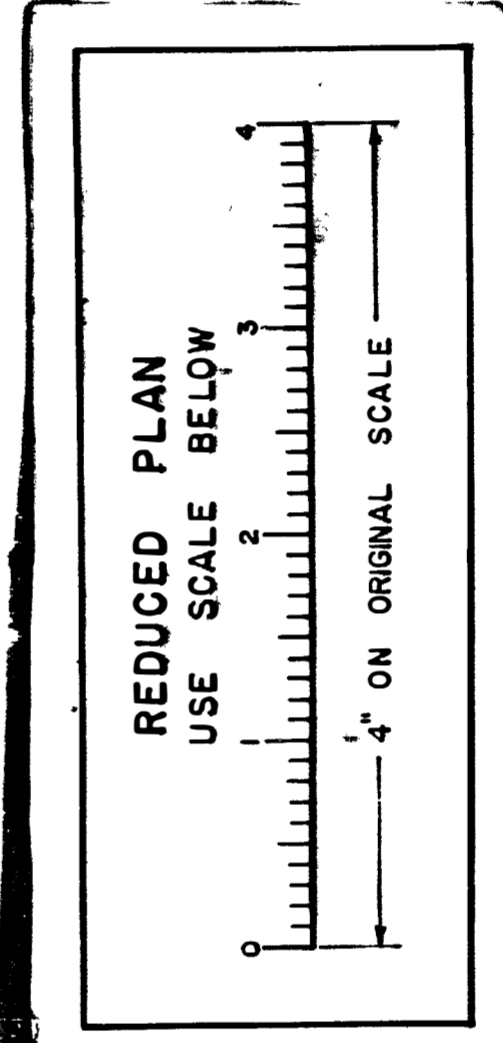
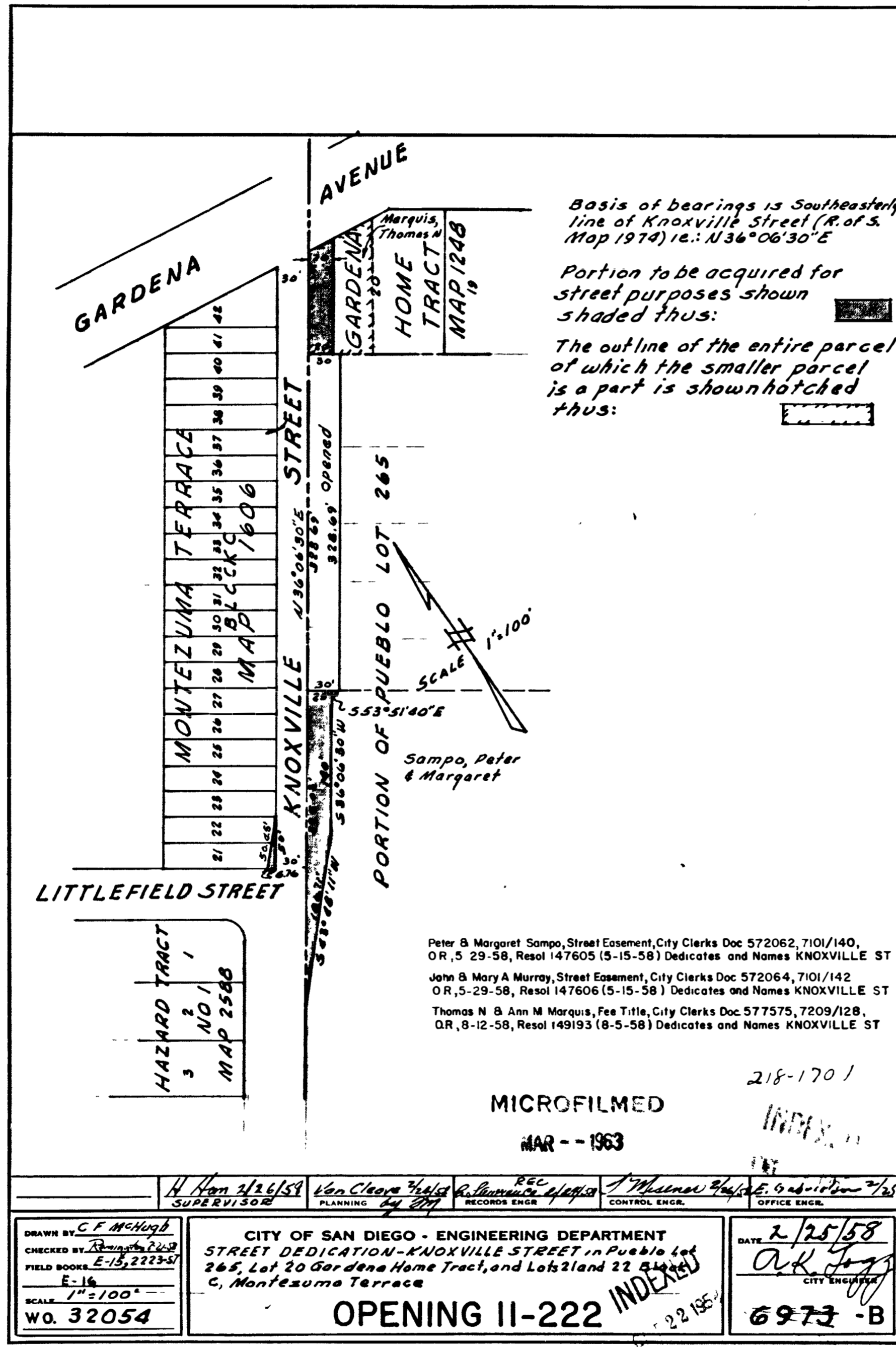
CITY OF SAN DIEGO ENGINEERING DEPARTMENT				SHEET 1 OF 1 SHEETS	W.D. NO. 24990
PLAN REVISION				E. J. [Signature] 9/25/59	
CHANGE	BY	DATE	APPROVAL	CITY ENGINEER	
As BUILT	FRS	7-14-59	[Signature]	APPROVALS FOR	
CONSTRUCTION RECORD				APPROVALS FOR	
DATE STARTED	DATE COMPLETED	STRUCTURAL		APPROVALS FOR	
1-30-59	5-19-59	[Signature]		APPROVALS FOR	
CONTR. Taylor E. Sloan				INSPECTION Milliken	
FIELD BOOK				DESIGNED	
[Signature]				6066 - D	

MICROFILMED

4-4324 K.M.D.



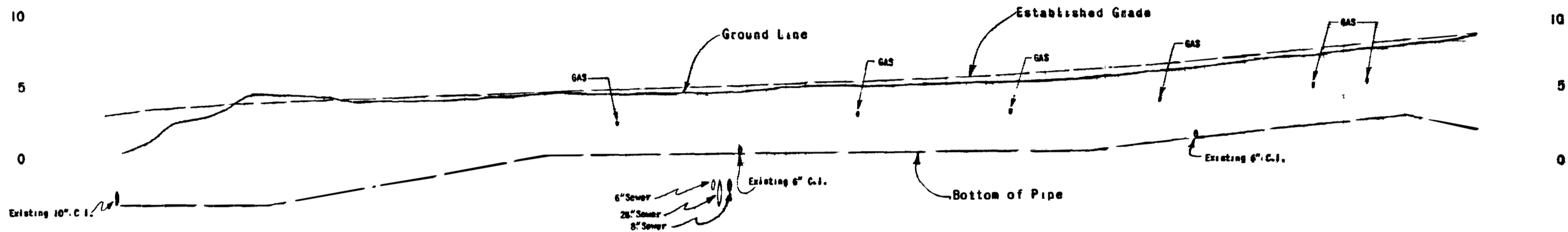
SHEET 1 of 2



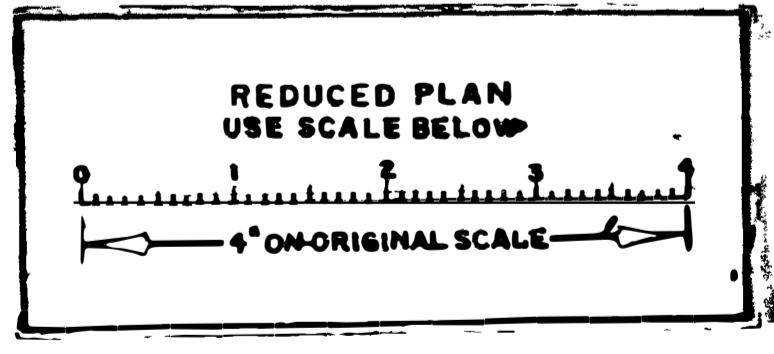
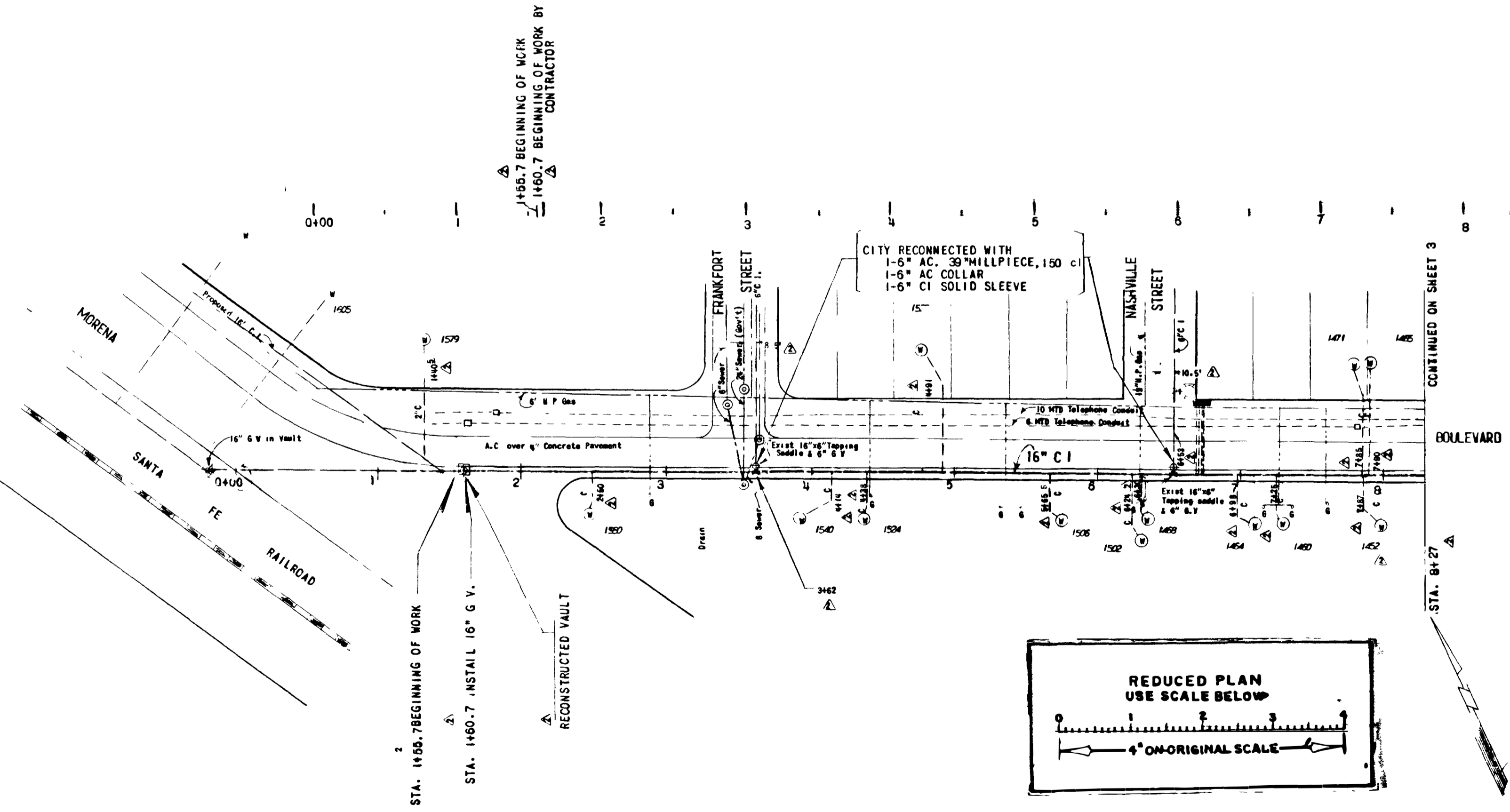
H. Von 2/26/58 SUPERVISOR		Van Cleave 2/26/58 PLANNING		REC RECORDS ENGR		J. Masner 2/26/58 CONTROL ENGR.		E. G. Adair 2/26/58 OFFICE ENGR.	
DRAWN BY: C.F. McHugh CHECKED BY: [Signature] FIELD BOOKS: E-15, 2223-5 E-16 SCALE: 1"=100' WO. 32054		CITY OF SAN DIEGO - ENGINEERING DEPARTMENT STREET DEDICATION - KNOXVILLE STREET in Pueblo Lot 265, Lot 20 Gardenia Home Tract, and Lots 21 and 22 of Montezuma Terrace OPENING II-222 INDEXED				DATE: 2/25/58 [Signature] CITY ENGINEER 6972-B			

FRANKFORT STREET

NASHVILLE STREET

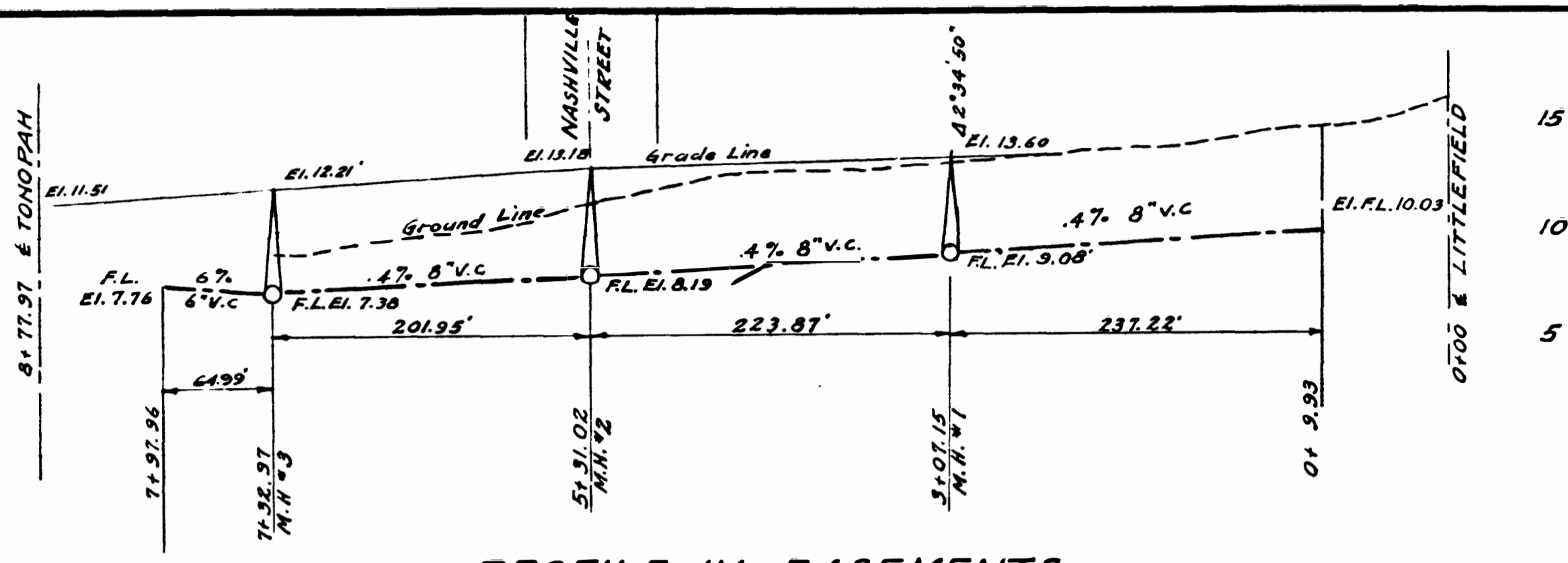


BENCH MARK:
B.P. Tocalote Creek Culvert Top Inlet
Elev. 10.04'



CITY OF SAN DIEGO CALIFORNIA WATER DEPARTMENT	
MORENA BOULEVARD 16" CAST IRON MAIN 215' WEST OF FRANKFORT STREET TO LINDA VISTA ROAD CLEANING & CEMENT MORTAR LINING	
RECOMMENDED: <i>W.C. Brown</i> ENGINEER	APPROVED: <i>W.C. Brown</i> DIRECTOR
DATE: January 23, 1956	DATUM: City
DRAWN: JG/AM	TRACED: [Signature]
DATE: [Signature]	CHECKED: [Signature]
SCALE: 1" = 50' Horizontal 1" = 6' Vertical	
SPEC NO 165	SHEET 2 OF 6 SHEETS DWG NO 7104-W
AS BUILT	

MICROFILMED
JAN 29 1964

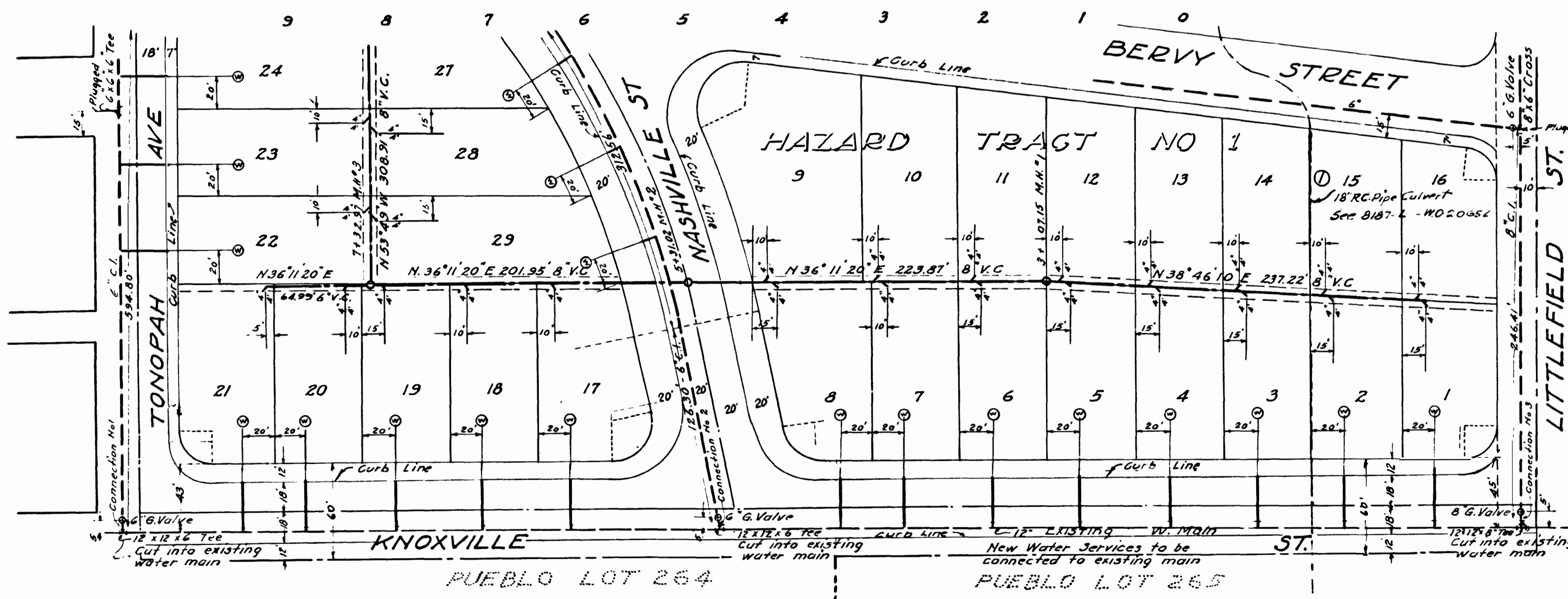
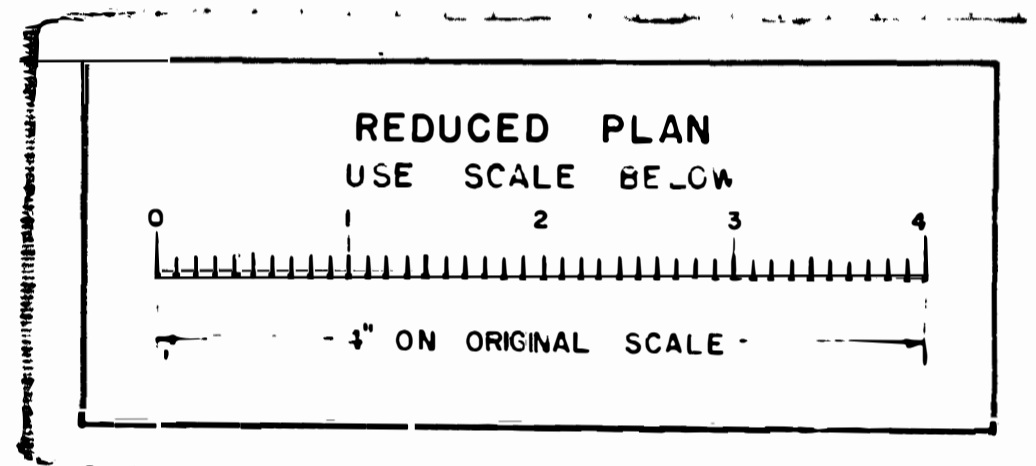


PROFILE IN EASEMENTS

Bench Mark is a cut square in Curb
N.W. Corner of Littlefield & Erie
Elev. 58.88



Scale H. 1" = 80'
V. 1" = 6'



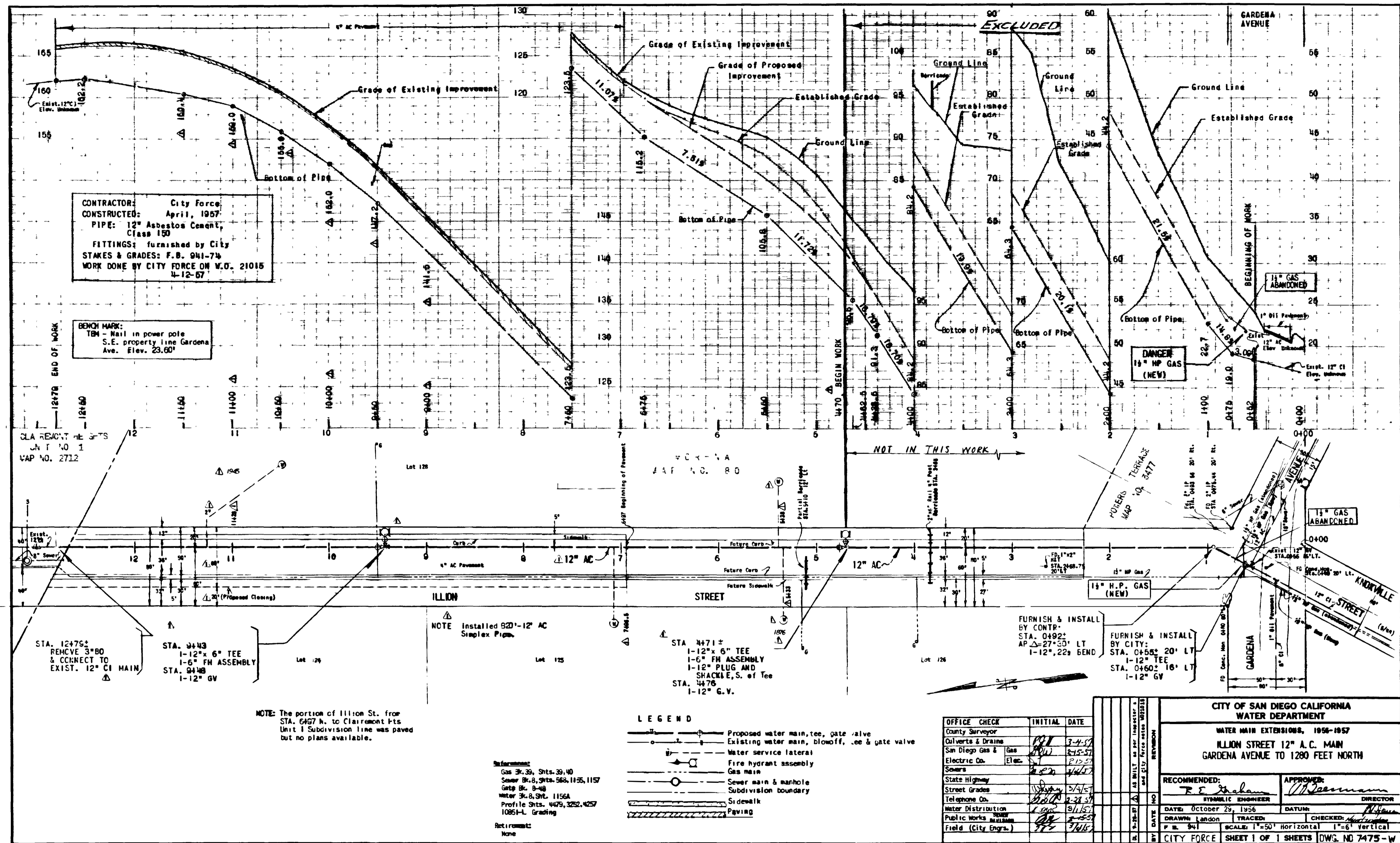
CITY DATUM
ADD 6119 FEET
TO CONVERT TO
MEAN SEA LEVEL

PRIVATE CONTRACT

ENGINEER OF WORK *E. J. ...* RE. 32

WATER DEPARTMENT	SHEET 12	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	16 SHEETS
SEWER DEPARTMENT	PLANS FOR THE IMPROVEMENT OF FRANKFORT STREET, ASHER STREET, GALVESTON STREET, BERVY STREET, NASHVILLE STREET, AND PORTIONS OF KNOXVILLE & LITTLEFIELD STS & TONOPAH AVE AND EASEMENTS IN HAZARD TRACT NO. 1		
DRAINAGE	APPROVED <i>A. K. ...</i>	DATE Jan 19, 1949	SCALE Plan 1" = 60'
FIELD CHECK	TRACED BY C.M.C.	CHECKED BY	DRAWING NUMBER 7366 L
PLANNING COMMISSION			
GRADES			

CONSTRUCTION RECORD		W O No 23079
CONTRACTOR HAZARD	SUPERVISOR WADDEL	
DATE STARTED 10-24-48	REVISIONS 1	DATE 12-29-50 BY MPO
DATE COMPLETED 12-20-50		



CONTRACTOR: City Force
 CONSTRUCTED: April, 1957
 PIPE: 12" Asbestos Cement,
 Class 150
 FITTINGS: furnished by City
 STAKES & GRADES: F.B. 941-74
 WORK DONE BY CITY FORCE ON V.O. 21015
 4-12-57

BENCH MARK:
 TM4 - Nail in power pole
 S.E. property line Gardena
 Ave. Elev. 23.60'

CLA REPORT
 JAN '40
 MAP NO. 2712

STA. 12+75.2
 REMOVE 3" BO
 & CONNECT TO
 EXIST. 12" CI MAIN

STA. 0+43
 1-12" x 6" TEE
 1-6" FH ASSEMBLY
 STA. 0+48
 1-12" GV

NOTE: Installed 820'-12" AC
 Simplex Pipe.

STA. 4+71 ±
 1-12" x 6" TEE
 1-6" FH ASSEMBLY
 1-12" PLUG AND
 SHACKLE, S. of Tee
 STA. 4+76
 1-12" G.V.

FURNISH & INSTALL
 BY CONTR.
 STA. 0+92 ±
 AP Δ=27° 53' LT
 1-12", 22' BEND

FURNISH & INSTALL
 BY CITY:
 STA. 0+58 ± 20' LT
 1-12" TEE
 STA. 0+60 ± 16' LT
 1-12" GV

NOTE: The portion of Illion St. from
 STA. 6467+ to Clearmont Hts
 Unit 1 subdivision line was paved
 but no plans available.

References:
 Gas Bk. 39, Shts. 39, 40
 Sewer Bk. 8, Shts. 568, 1155, 1157
 City Bk. 9-48
 Water Bk. 8, Sht. 1156A
 Profile Shts. 4479, 3252, 4257
 10851-L. Grading

LEGEND

	Proposed water main, tee, gate valve
	Existing water main, blowoff, tee & gate valve
	Water service lateral
	Fire hydrant assembly
	Gas main
	Sewer main & manhole
	Subdivision boundary
	Sidewalk
	Paving

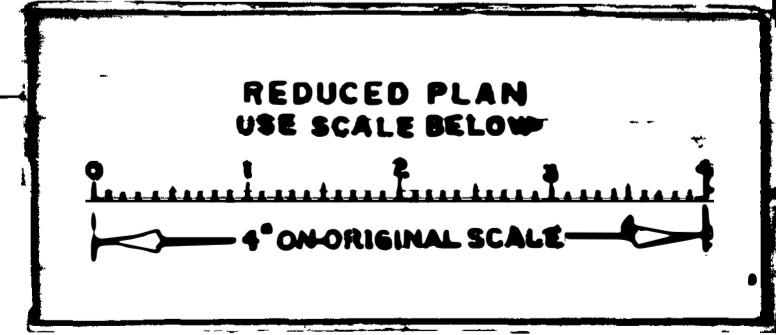
OFFICE CHECK	INITIAL	DATE
County Surveyor		
Oilverts & Drains		
San Diego Gas & Electric Co.		
State Highway		
Street Grades		
Telephone Co.		
Water Distribution		
Public Works Bureau		
Field (City Engrs.)		

CITY OF SAN DIEGO CALIFORNIA
 WATER DEPARTMENT
 WATER MAIN EXTENSIONS, 1956-1957
 ILLION STREET 12" A.C. MAIN
 GARDENA AVENUE TO 1280 FEET NORTH

RECOMMENDED: *R. E. Graham*
 APPROVED: *[Signature]*
 HYDRAULIC ENGINEER DIRECTOR

DATE: October 29, 1956
 DRAWN: Landon
 CHECKED: *[Signature]*
 SCALE: 1"=50' HORIZONTAL 1"=6' VERTICAL

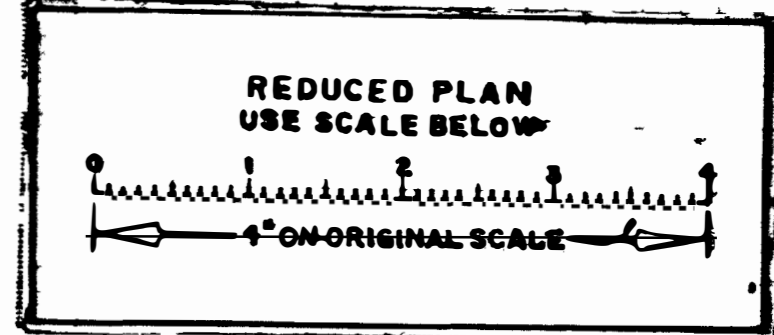
CITY FORCE SHEET 1 OF 1 SHEETS DWG. NO 7475-W
 AS BUILT



ILLION ST. GARDENA - 1230' N

MICROFILMED
 JAN 29 1964

CONTRACTOR - W.J. Baxter Co.
 CONSTRUCTED - Oct 1958
 PIPE: 6" Asbestos Cement Class 150
 Johns Manville Ring Tite
 MATERIAL - granular
 BACKFILL - same
 TESTED @ 225 p s i. Nov. 1, 1958
 STAKED 9-8-58 E-17
 Construction W.O. 48051
 City Force W.O. 21515



- LEGEND**
- Proposed water main, tee, gate valve & bend
 - Existing water main, gate valve & tee
 - Water service lateral
 - Fire hydrant assembly
 - Gas main
 - Sewer main & manhole
 - Pavement
 - Sidewalk
 - Trees
 - Culvert

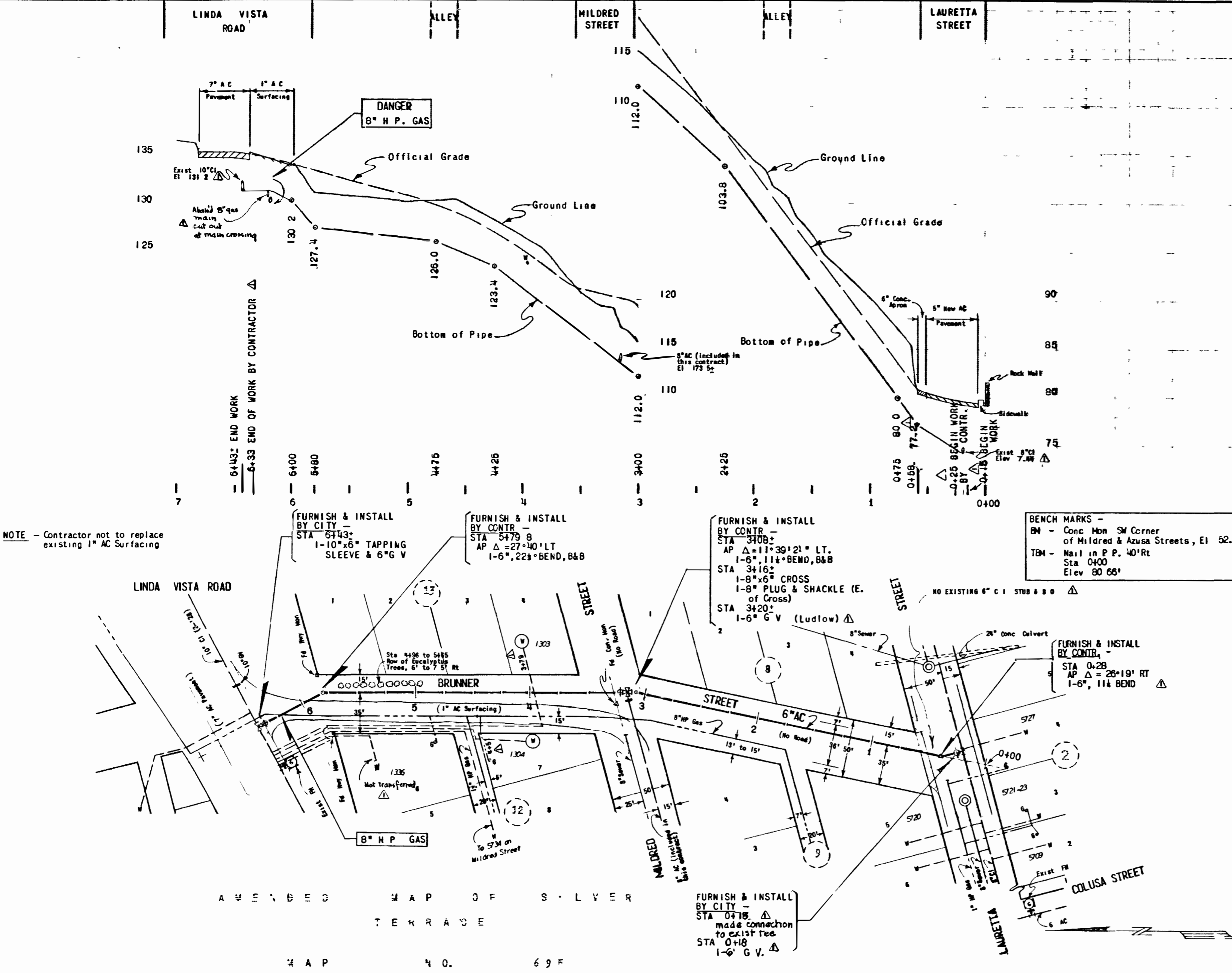
References:
 Water Bk 1, Sht. E-17-8
 Sewer Bk 8, Shts. 1135-36
 Gate Bk B-45A
 Gas Bk 31, Shts 415 433
 4042A-D (Improvements)
 5593-D (Improvements)
 5626-W, Gr 2
 2324 Profile
 Retirement
 None

OFFICE CHECK	INITIAL	DATE
Elec. (City Engrs)	AV	11/11/58
Culverts & Drains	AV	11/11/58
S D Gas & Electric Co.	AV	11/11/58
Sewers	AV	11/11/58
State Highway	AV	11/11/58
Street Grades	AV	11/11/58
Telephone Co.	AV	11/11/58
Water Distribution	AV	11/11/58
Public Works Division	AV	11/11/58
Field (City Engrs.)	AV	11/11/58
Easements & R/W	AV	11/11/58

SPEC NO 214 (1911 Act-Paving)

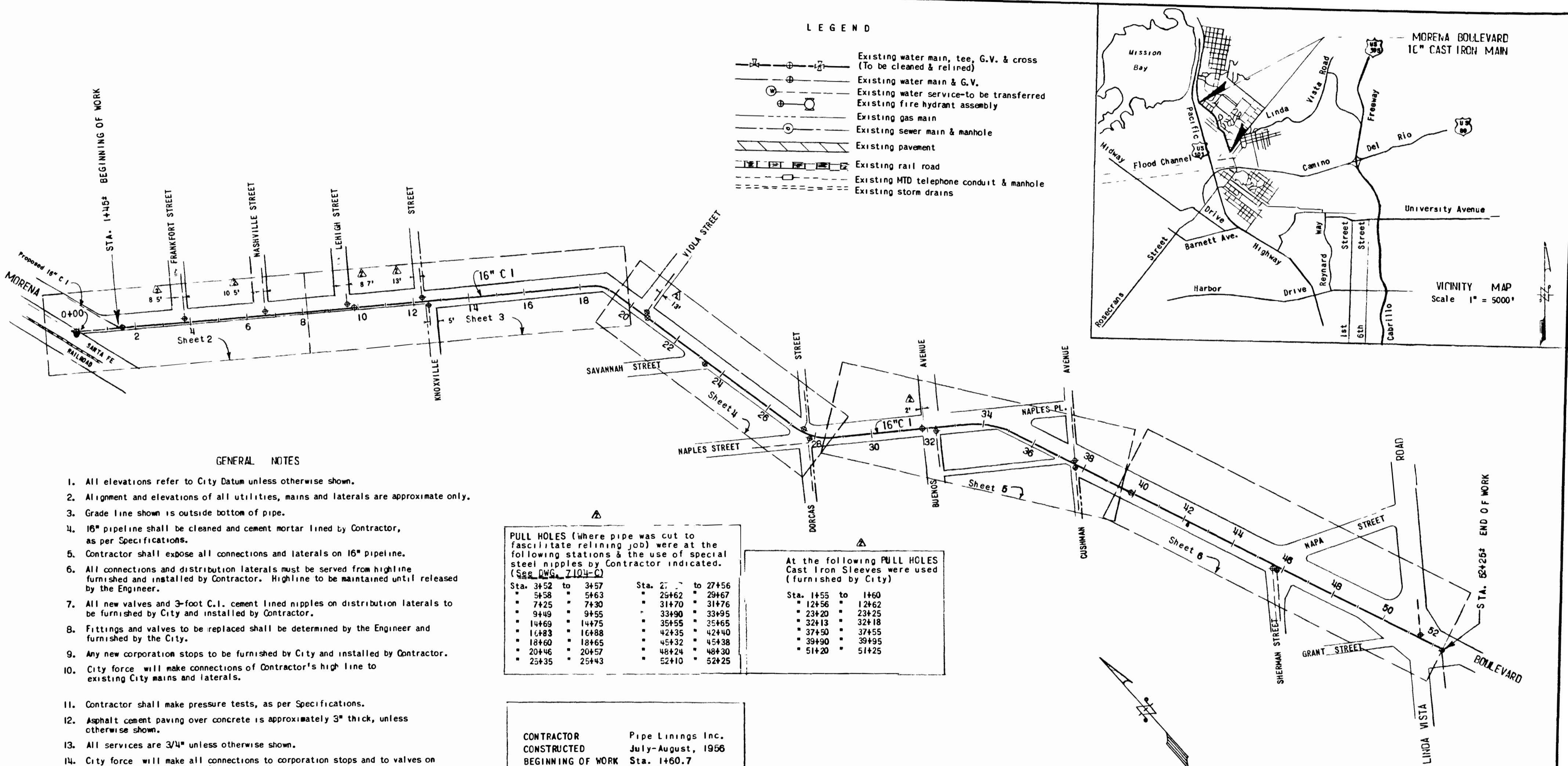
CITY OF SAN DIEGO CALIFORNIA WATER DEPARTMENT	
MAIN EXTENSIONS & REPLACEMENTS BRUNNER STREET 6" A C MAIN LAURETTA STREET TO LINDA VISTA ROAD	
RECOMMENDED: DATE: February 24, 1958 DRAWN: Rocky P. B. E-17 GROUP 209	APPROVED: DATE: City CHECKED: [Signature] SCALE 1"=50' Horizontal, 1"=6' Vertical SHEET 1 OF 1 SHEETS DWG. NO 7930-W

BRUNNER STREET



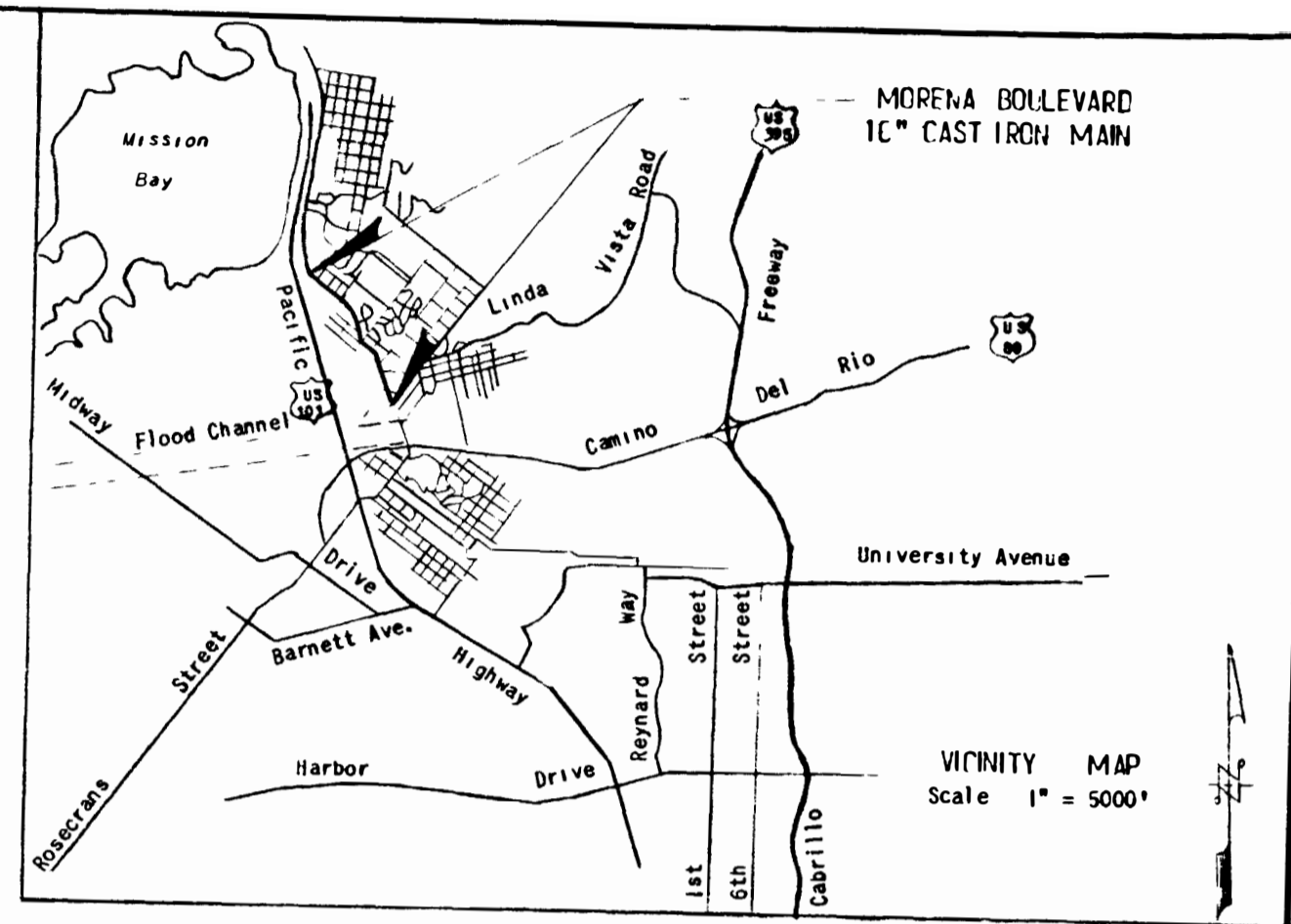
NOTE - Contractor not to replace existing 1" AC Surfacing

APPROVED MAP OF SILVER TERRACE MAP NO. 69 F



LEGEND

	Existing water main, tee, G.V. & cross (To be cleaned & relined)
	Existing water main & G.V.
	Existing water service to be transferred
	Existing fire hydrant assembly
	Existing gas main
	Existing sewer main & manhole
	Existing pavement
	Existing rail road
	Existing MTD telephone conduit & manhole
	Existing storm drains



GENERAL NOTES

1. All elevations refer to City Datum unless otherwise shown.
2. Alignment and elevations of all utilities, mains and laterals are approximate only.
3. Grade line shown is outside bottom of pipe.
4. 16" pipeline shall be cleaned and cement mortar lined by Contractor, as per Specifications.
5. Contractor shall expose all connections and laterals on 16" pipeline.
6. All connections and distribution laterals must be served from highline furnished and installed by Contractor. Highline to be maintained until released by the Engineer.
7. All new valves and 3-foot C.I. cement lined nipples on distribution laterals to be furnished by City and installed by Contractor.
8. Fittings and valves to be replaced shall be determined by the Engineer and furnished by the City.
9. Any new corporation stops to be furnished by City and installed by Contractor.
10. City force will make connections of Contractor's high line to existing City mains and laterals.
11. Contractor shall make pressure tests, as per Specifications.
12. Asphalt cement paving over concrete is approximately 3" thick, unless otherwise shown.
13. All services are 3/4" unless otherwise shown.
14. City force will make all connections to corporation stops and to valves on ends of 3 foot nipples to laterals.

PULL HOLES (Where pipe was cut to facilitate relining job) were at the following stations & the use of special steel nipples by Contractor indicated. (See DWG. 7104-C)

Sta. 3+52 to 3+57	Sta. 27 to 27+56
• 5+58 • 5+63	• 29+62 • 29+67
• 7+25 • 7+30	• 31+70 • 31+76
• 9+49 • 9+55	• 33+90 • 33+95
• 14+69 • 14+75	• 35+55 • 35+65
• 16+83 • 16+88	• 42+35 • 42+40
• 18+60 • 18+65	• 45+32 • 45+38
• 20+46 • 20+57	• 48+24 • 48+30
• 25+35 • 25+43	• 52+10 • 52+25

At the following PULL HOLES Cast Iron Sleeves were used (furnished by City)

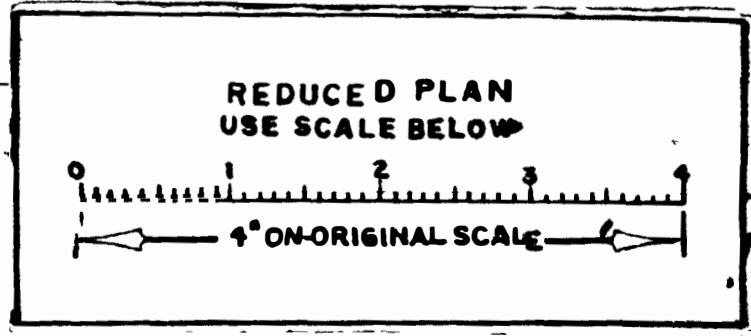
Sta. 1+55 to 1+60
• 12+56 • 12+62
• 23+20 • 23+25
• 32+13 • 32+18
• 37+50 • 37+55
• 39+90 • 39+95
• 51+20 • 51+25

CONTRACTOR	Pipe Linings Inc.
CONSTRUCTED	July-August, 1956
BEGINNING OF WORK	Sta. 1+60.7
END OF WORK	Sta. 52+10
GATE VALVES	6", 8", 10" GV - Kennedy 12" GV - Rensselaer 16" GV - Crane
TEST PRESSURE	175 p s i
SOIL	Sandy
BACKFILL	Sand
Work done by contractor on WD 57021	
Work done by City Force on WD 57024	

Ref. Dwg:
 Water Bk. Shts. D-16-C, D-16-D, E-17-A, E-17-D
 Sewer Bk. 8, Shts. 542, 543, 551, 556, 565, 566, 569, 580
 Gas Bk. 31, Shts. 451, 453, 500-503, 672-679
 Gate Bk. Pgs. 8-43, 44, 45
 Improvements 1797-D-1872-D, 2577-L-2579-L
 6789-W, Navy Fuel Line
 3475D, 3502D
 7104-C

OFFICE CHECK	INITIAL	DATE
County Surveyor		
City Engineer		
City Clerk		
City Auditor		
City Assessor		
City Controller		
City Director		
City Engineer		
City Inspector		
City Surveyor		
City Treasurer		
City Commissioner		
City Council		
City Board of Public Works		
City Board of Health		
City Board of Education		
City Board of Fire		
City Board of Police		
City Board of Civil Service		
City Board of Labor Relations		
City Board of Contract Administration		
City Board of Procurement		
City Board of Information Systems		
City Board of Planning		
City Board of Economic Development		
City Board of Community Development		
City Board of Housing		
City Board of Transportation		
City Board of Public Utilities		
City Board of Parks and Recreation		
City Board of Cultural Affairs		
City Board of Arts and Entertainment		
City Board of International Affairs		
City Board of Interlocal Relations		
City Board of Intergovernmental Relations		
City Board of Intercultural Relations		
City Board of Intergroup Relations		
City Board of Intergovernmental and Intercultural Relations		
City Board of Intergovernmental, Intercultural and Intergroup Relations		
City Board of Intergovernmental, Intercultural, Intergroup and Intergovernmental and Intercultural Relations		

CITY OF SAN DIEGO CALIFORNIA WATER DEPARTMENT	
MORENA BOULEVARD 16" CAST IRON MAIN 215' WEST OF FRANKFORT STREET TO LINDA VISTA ROAD CLEANING & CEMENT MORTAR LINING	
RECOMMENDED <i>W.C. Brown</i> ENGINEER	APPROVED <i>W.C. Brown</i> DIRECTOR
DATE January 9, 1956	DATUM City
DRAWN Mathison	CHECKED <i>Mathison</i>
F.B. 914	SCALE 1" = 200'
SPEC NO 165	SHEET 1 OF 6 SHEETS
AS BUILT	DWG NO 7104-W



After recording, please return to Permit Sec., City Engineer's Dept.
City Operations Bldg. - Sta. #402

220-1707

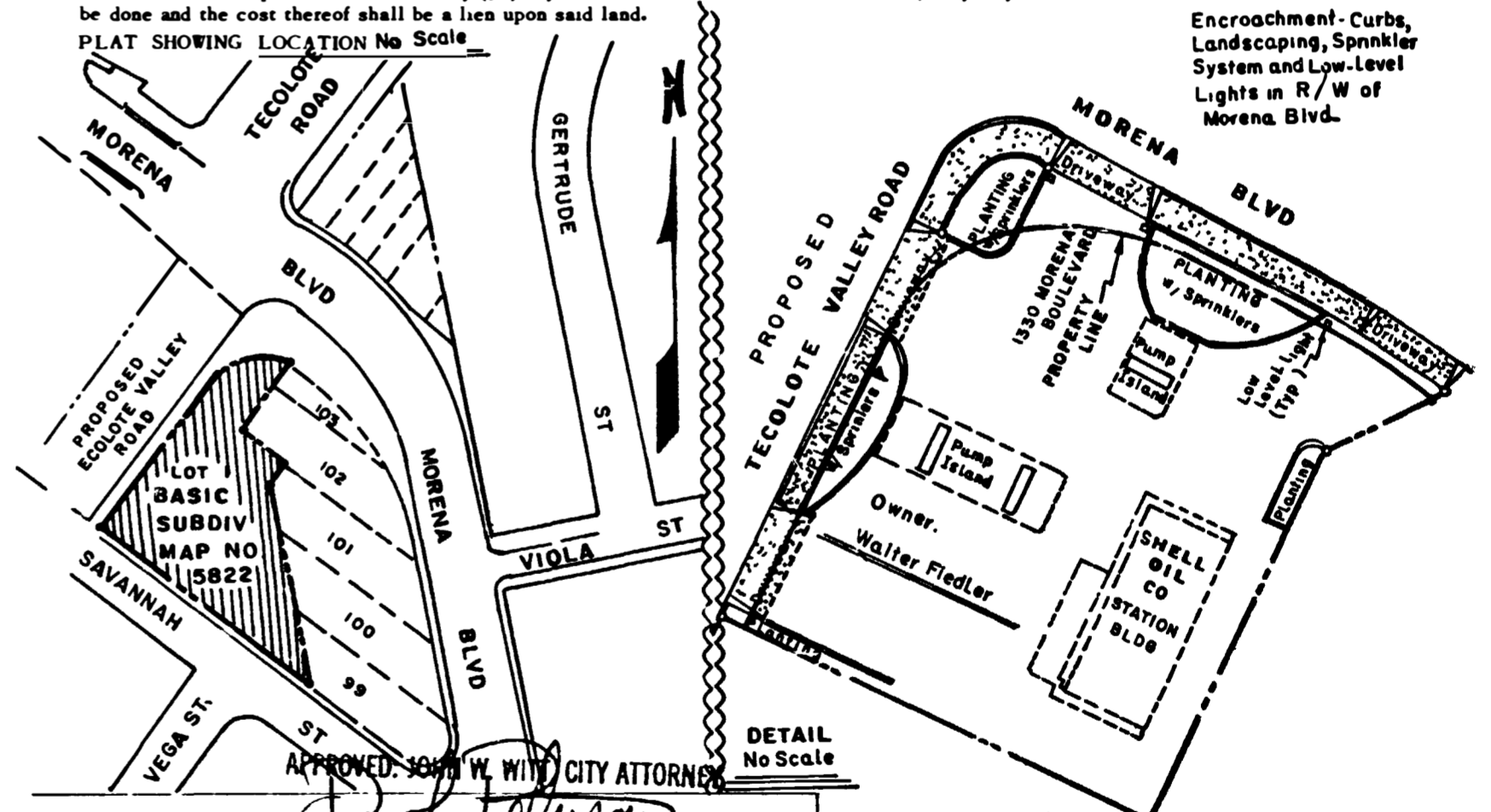
ENCROACHMENT REMOVAL AGREEMENT

3690 12 29 70

In accordance with the provisions of Section 62 0305 of the San Diego Municipal Code, the undersigned, the owner of Lot 1, Basic Subdivision, Map #5822, in the City of San Diego, County of San Diego, State of California, in consideration of the grant of permission by the City of San Diego to install and maintain curbs, landscaping, sprinkler system and lights in right-of-way for the use and benefit of owner's property, over, under and across Tecolote Valley Road and Morena Blvd., per plat, covenants and agrees with the City of San Diego, as follows:

- (1) Upon notification in writing by the City Engineer, the above described installation shall be abandoned, removed or relocated by the Owner
- (2) The said installation shall be installed and maintained in a safe and sanitary condition at the sole cost, risk and responsibility of Owner and successor in interest, who shall hold the City harmless with respect thereto.
- (3) This agreement is made for the direct benefit of Owner's land above described and the covenants herein contained shall run with said land and shall be binding on the assigns and successors of Owner. Should Owner or his successors fail to remove or relocate the installation herein permitted within thirty (30) days after notice of removal or relocation, City may cause such removal or relocation to be done and the cost thereof shall be a lien upon said land.

PLAT SHOWING LOCATION No Scale



State of California)
County of San Diego)

APPROVED: *John W. Witty* CITY ATTORNEY

On Dec 23, 1970, before me a NOTARY PUBLIC in and for said county, residing therein, duly commissioned and sworn, personally appeared Walter E Fiedler known to me to be the person described in and whose name subscribed to the within instrument, and acknowledged to me that executed the same.

PERMIT 8218
DATE 3-26-71

IN WITNESS WHEREOF, I have hereunto set my hand and affixed

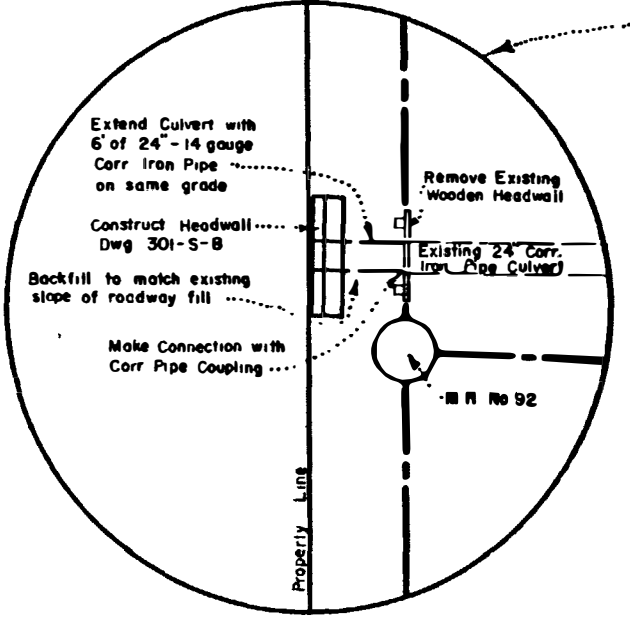
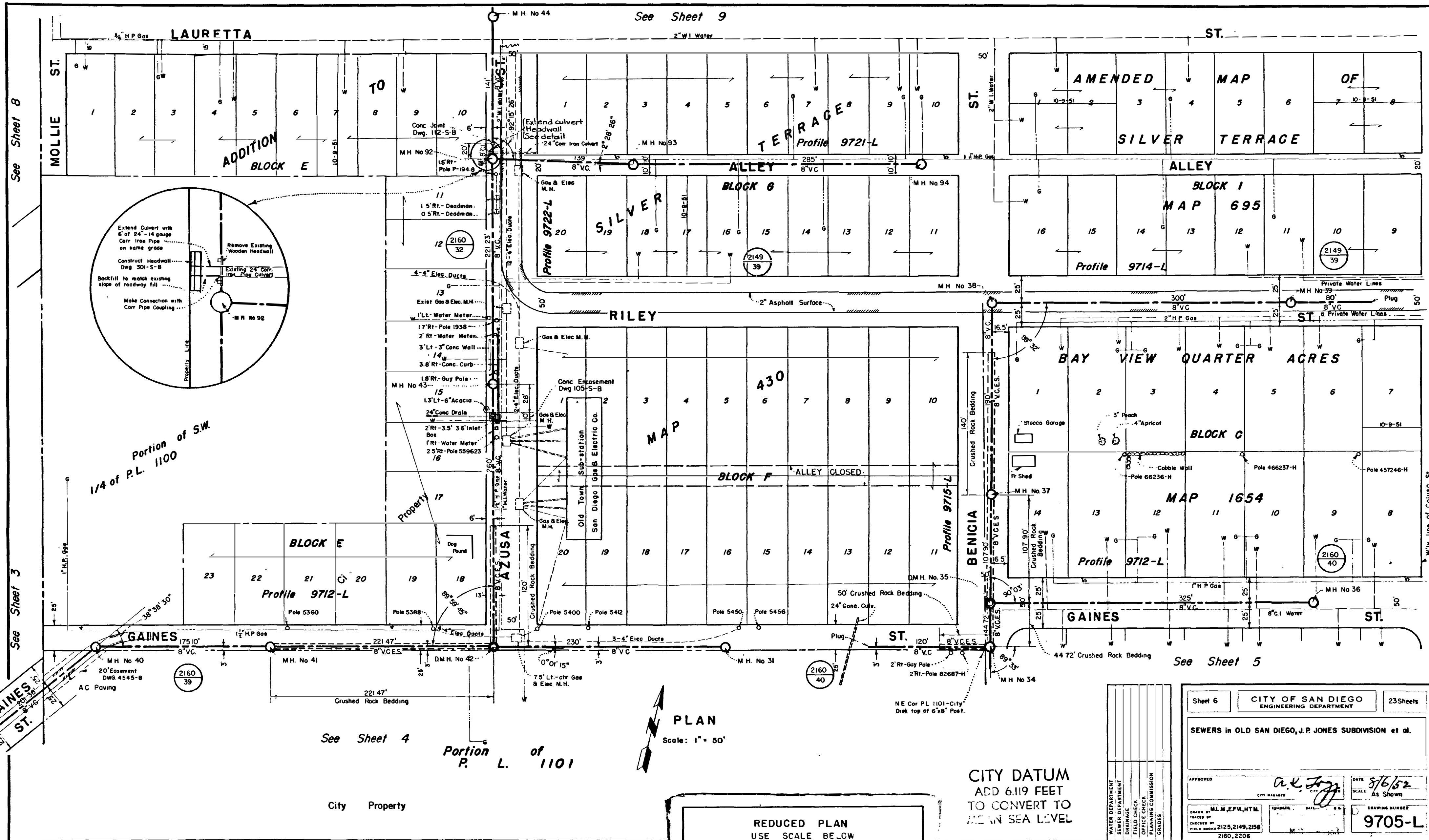
Harold G. Gerner
Notary Public in and for the County of San Diego, State of California

DATED 12/23/70

WALTER E FIEDLER, INC
Walter E Fiedler
(Signature) OWNER

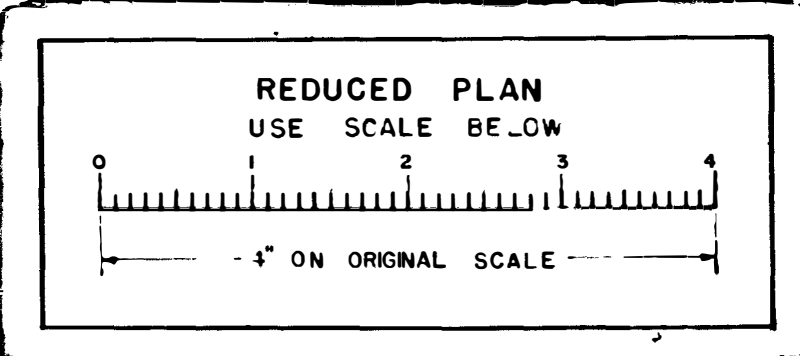
(For Recorder's Use Only)

103360
FILE/PAGE NO. _____
BOOK 1971
RECORDED REQUEST OF
CITY ENGINEER
MAY 18 3 22 PM '71
SAN DIEGO COUNTY, CALIF.
HARLEY F. BLOOM
RECORDER



Portion of S.W. 1/4 of P.L. 1100

PLAN
Scale: 1" = 50'



Sheet 6	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	235Sheets
SEWERS in OLD SAN DIEGO, J.P. JONES SUBDIVISION et al.		
APPROVED	<i>[Signature]</i> CITY MANAGER	DATE 8/6/52 SCALE As Shown
DESIGNED BY M.L.M., E.F.W., H.T.M.	CHECKED BY	DRAWING NUMBER 9705-L
TRACED BY	CHECKED BY	
FIELD NO. 2125, 2149, 2156		
2160, 2206		
CONSTRUCTION RECORD		W O No 31813
CONTRACTOR <i>Dorkman</i>	INSPECTOR <i>Sturak</i>	
DATE STARTED 4-15-53	REVISIONS <i>None</i>	DATE 12-8-53
DATE COMPLETED 11-17-53		

CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

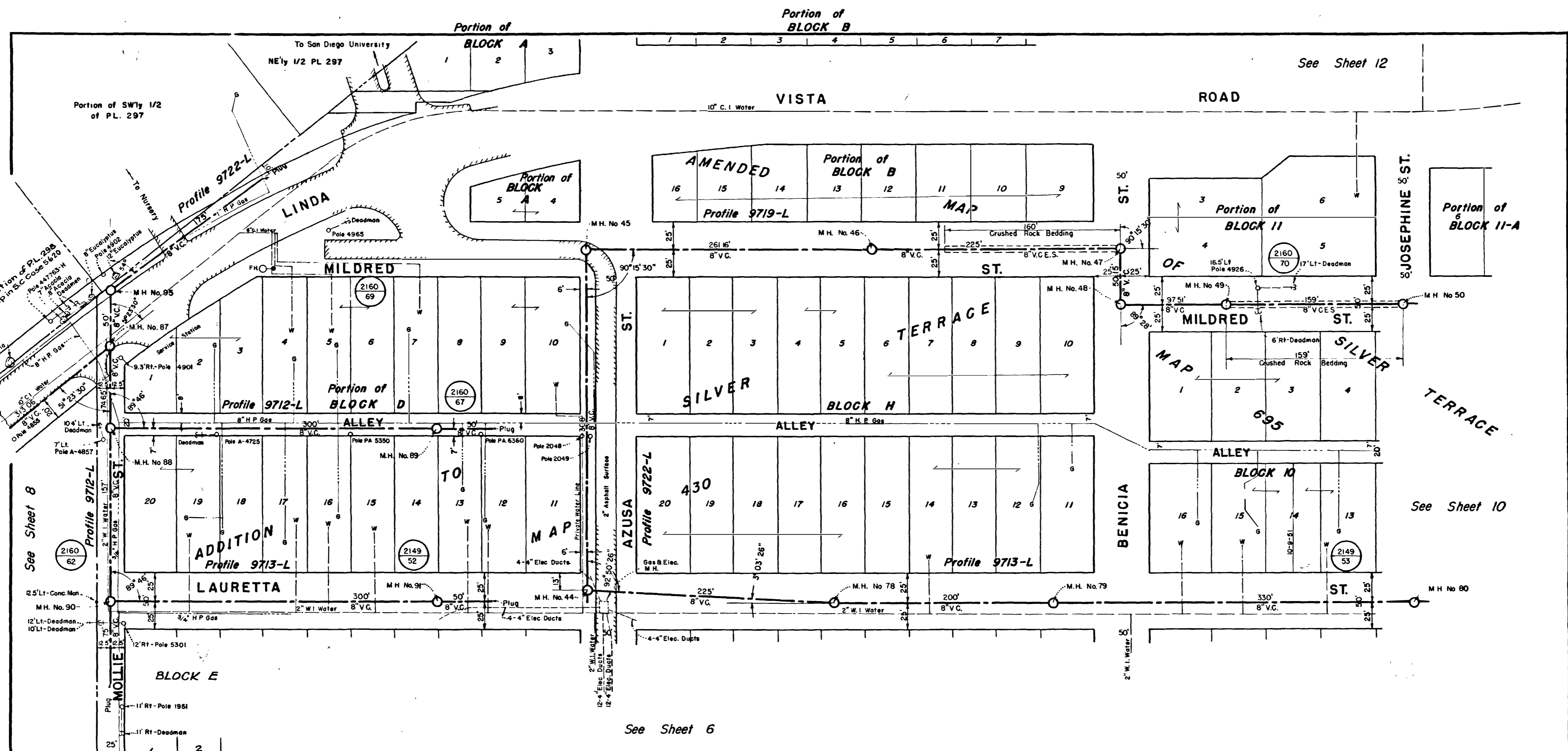
See Sheet 8

See Sheet 3

See Sheet 4

See Sheet 9

See Sheet 7

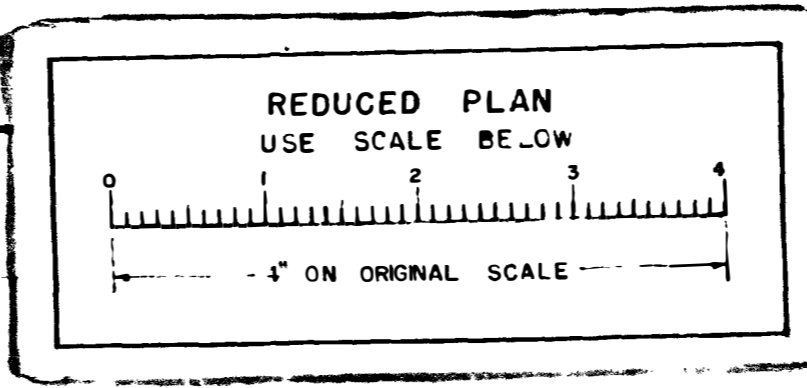
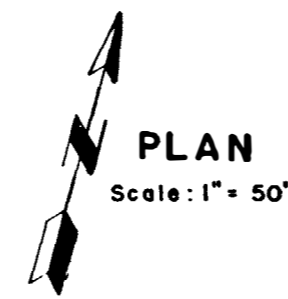


See Sheet 8

See Sheet 6

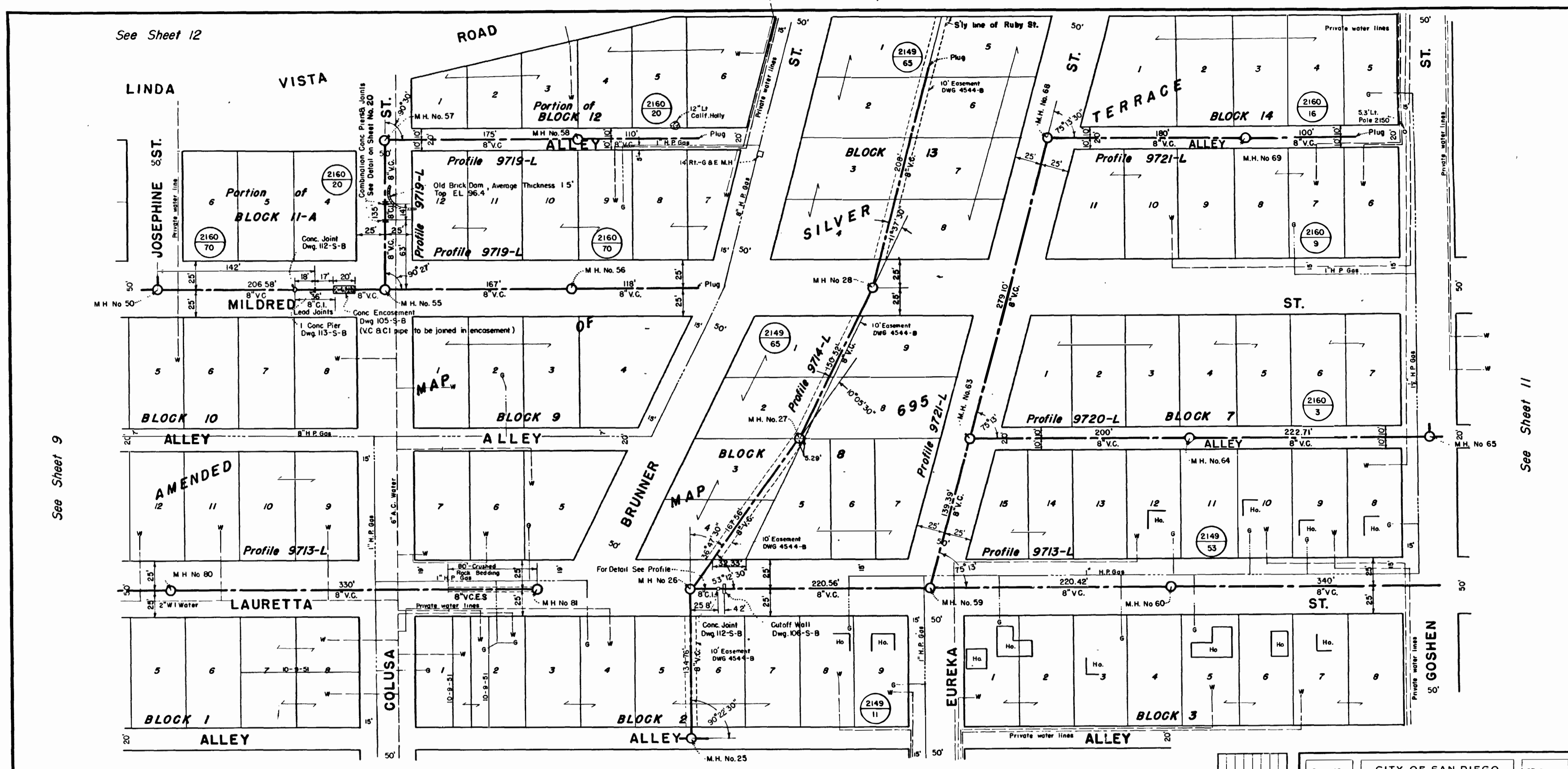
See Sheet 12

See Sheet 10



CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN SEA LEVEL

Sheet 9	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	23 Sheets
SEWERS in OLD SAN DIEGO, J.P. JONES SUBDIVISION et al.		
APPROVED: <i>[Signature]</i> DATE: 8/6/52 SCALE: As Shown		
DRAWN BY: M.L.M., E.F.W., J.T.M.		DRAWING NUMBER: 9708-L
CHECKED BY: [Blank]		
DATE STARTED: 4-15-53		CONSTRUCTION RECORD: W.O. No 31813
DATE COMPLETED: 11-17-53		INSPECTOR: Sturak
		REVISION: None



See Sheet 12

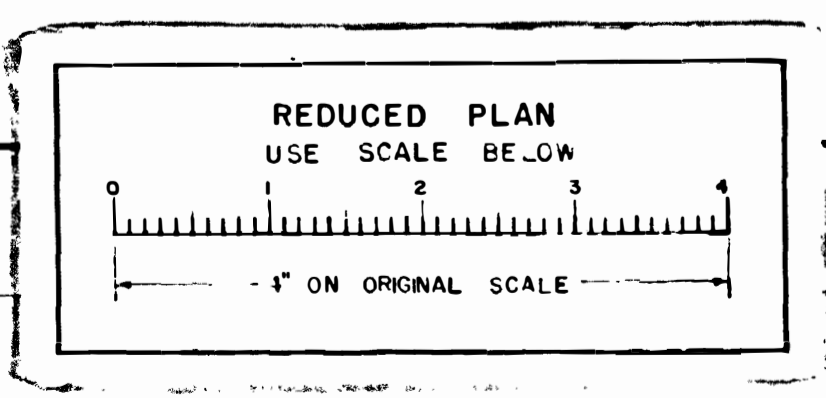
See Sheet 9

See Sheet 11

See Sheet 7



PLAN
Scale: 1" = 50'

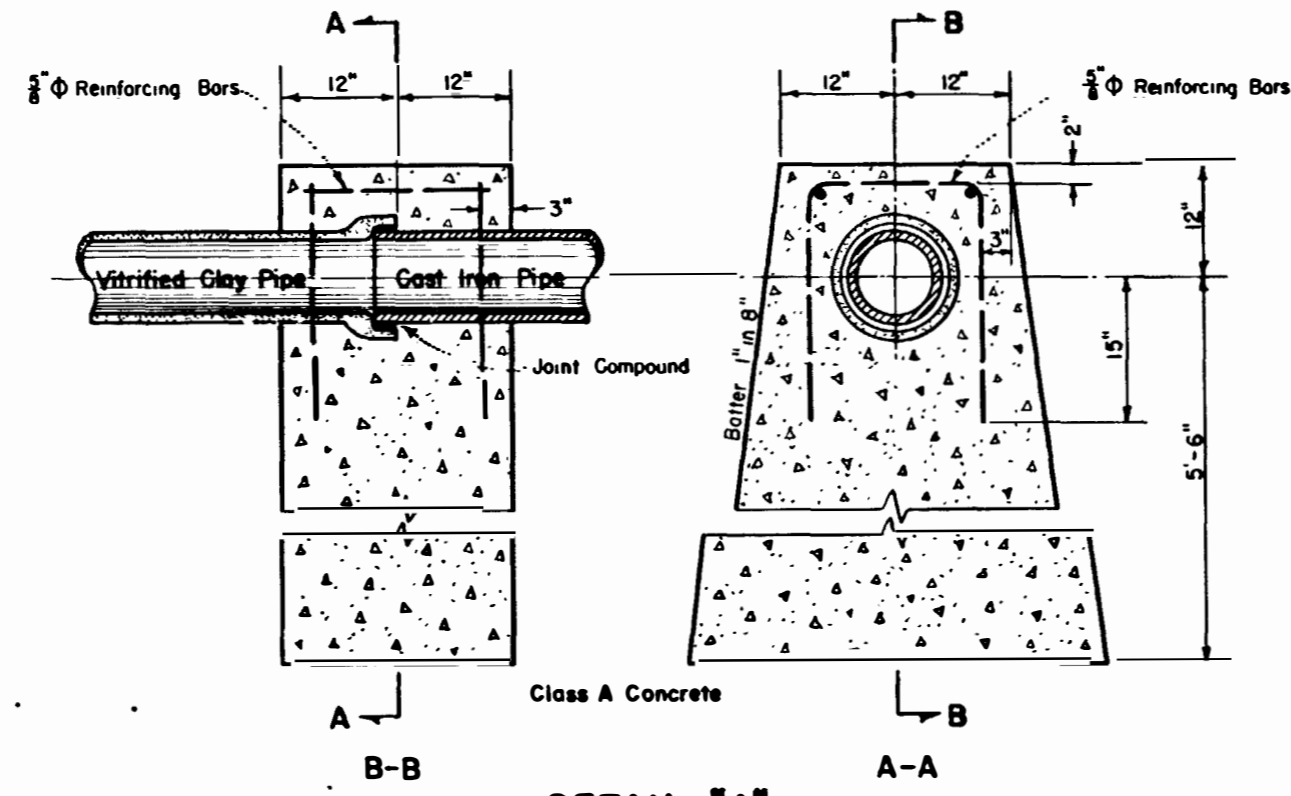
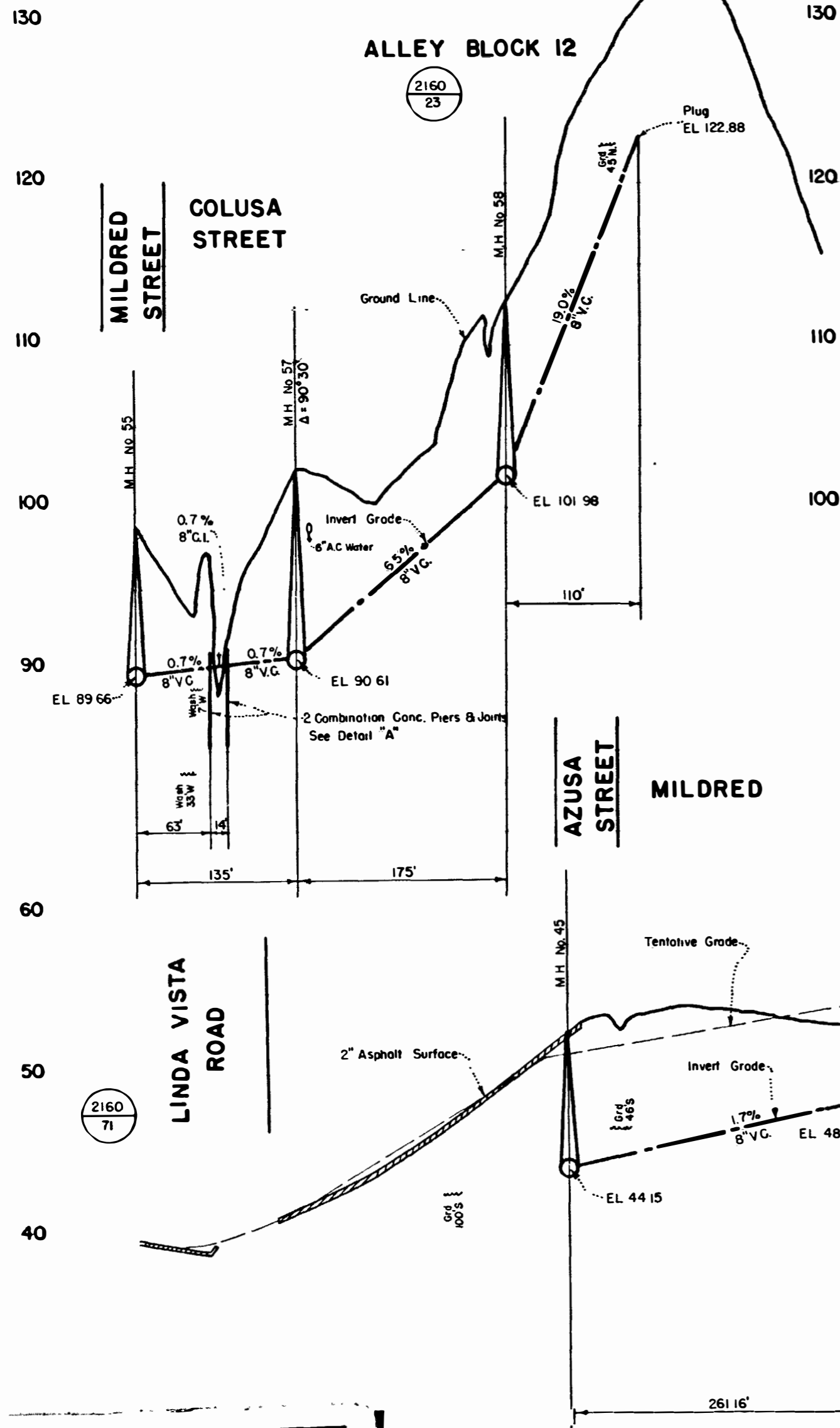


CITY DATUM
ADD 6.119 FEET
TO CONVERT TO
MEAN S.A. LEVEL

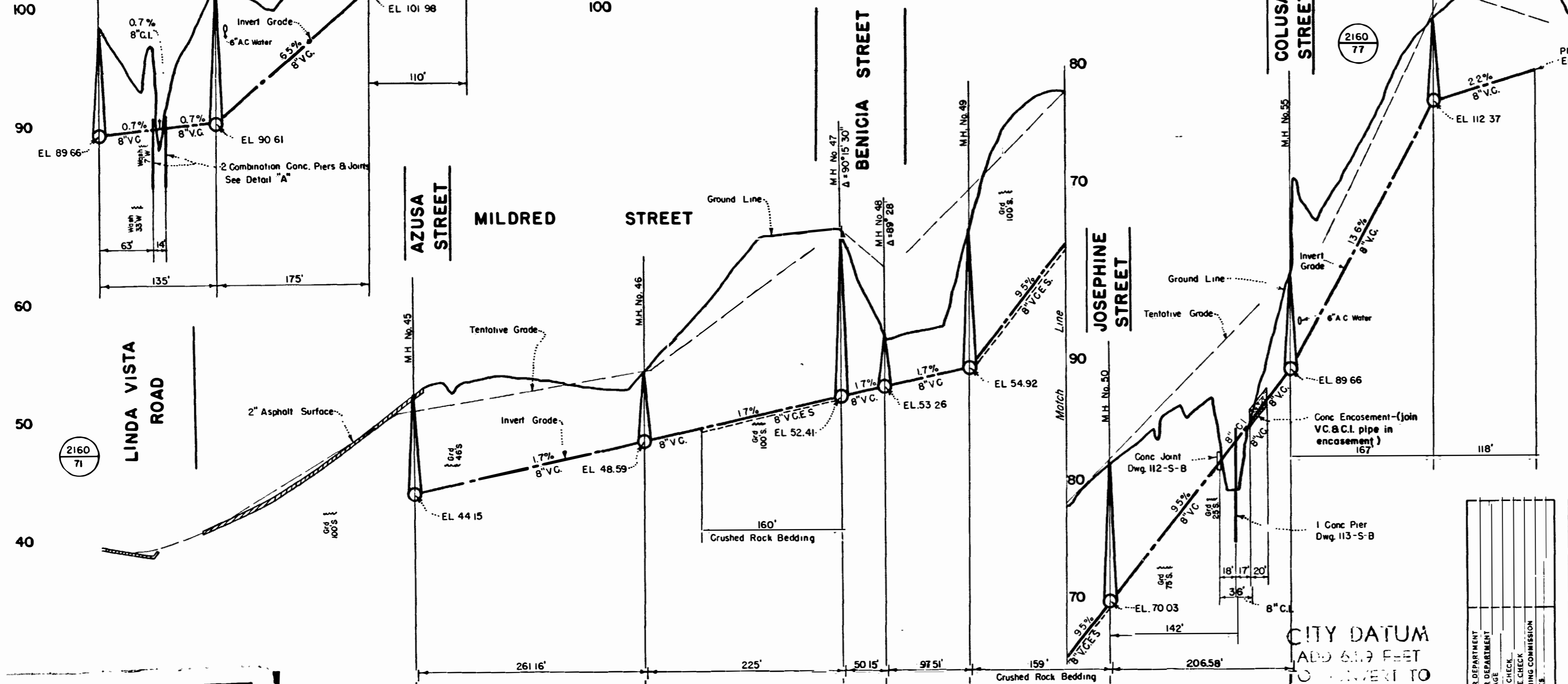
WATER DEPARTMENT	SEWER DEPARTMENT	DRAINAGE DIVISION	OFFICE CHECK	PLANNING COMMISSION	GRADING

Sheet 10	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	23 Sheets
SEWERS in OLD SAN DIEGO, J. P. JONES SUBDIVISION et al.		
APPROVED	<i>R.V. [Signature]</i>	DATE 8/6/52
SCALE	As Shown	
DRAWN BY CHECKED BY FIELD WORK	MLM, EFW, JTM 2125, 2149, 2156 2160, 2206	PROJECT NUMBER 9709-LX
CONTRACTOR DATE STARTED DATE COMPLETED	Dartman 4-15-53 11-17-53	RECORD W O No 31813 INSPECTOR Sturak REVISIONS None DATE 12-8-53-MC

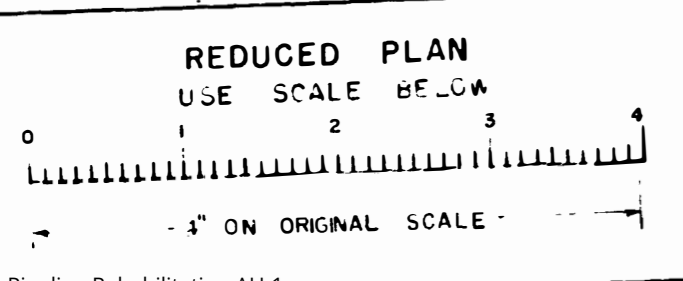
B.M.
Conc Mon. @ Azusa St & Nly
line Mildred St EL 56.15



DETAIL "A"
COMBINATION CONCRETE PIER & JOINT
Scale 3/4" = 1'-0"



PROFILE
Horiz. 1" = 80'
Scale: Vert. 1" = 6'



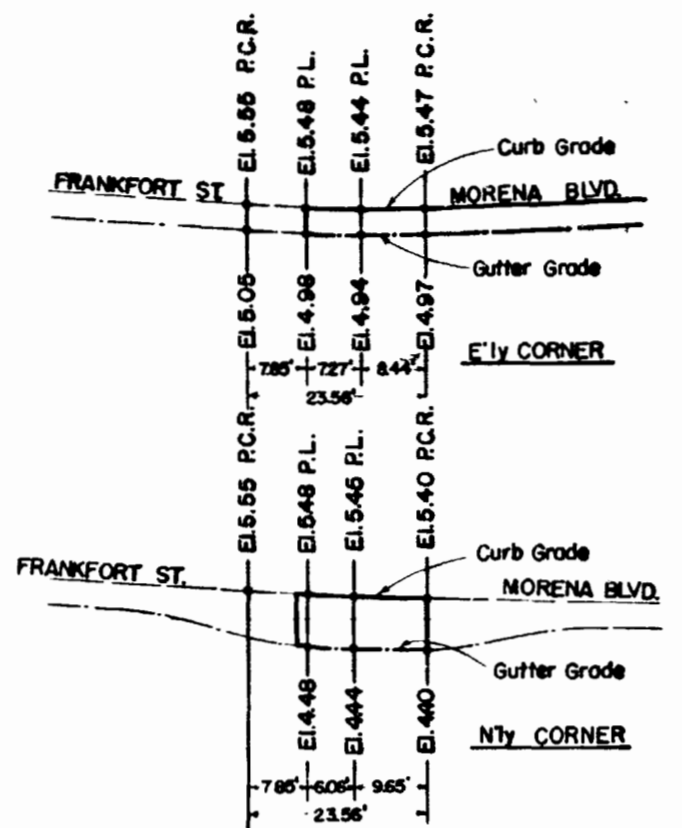
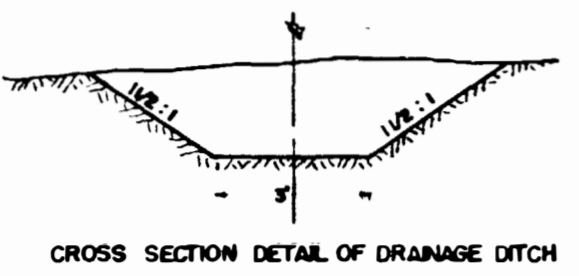
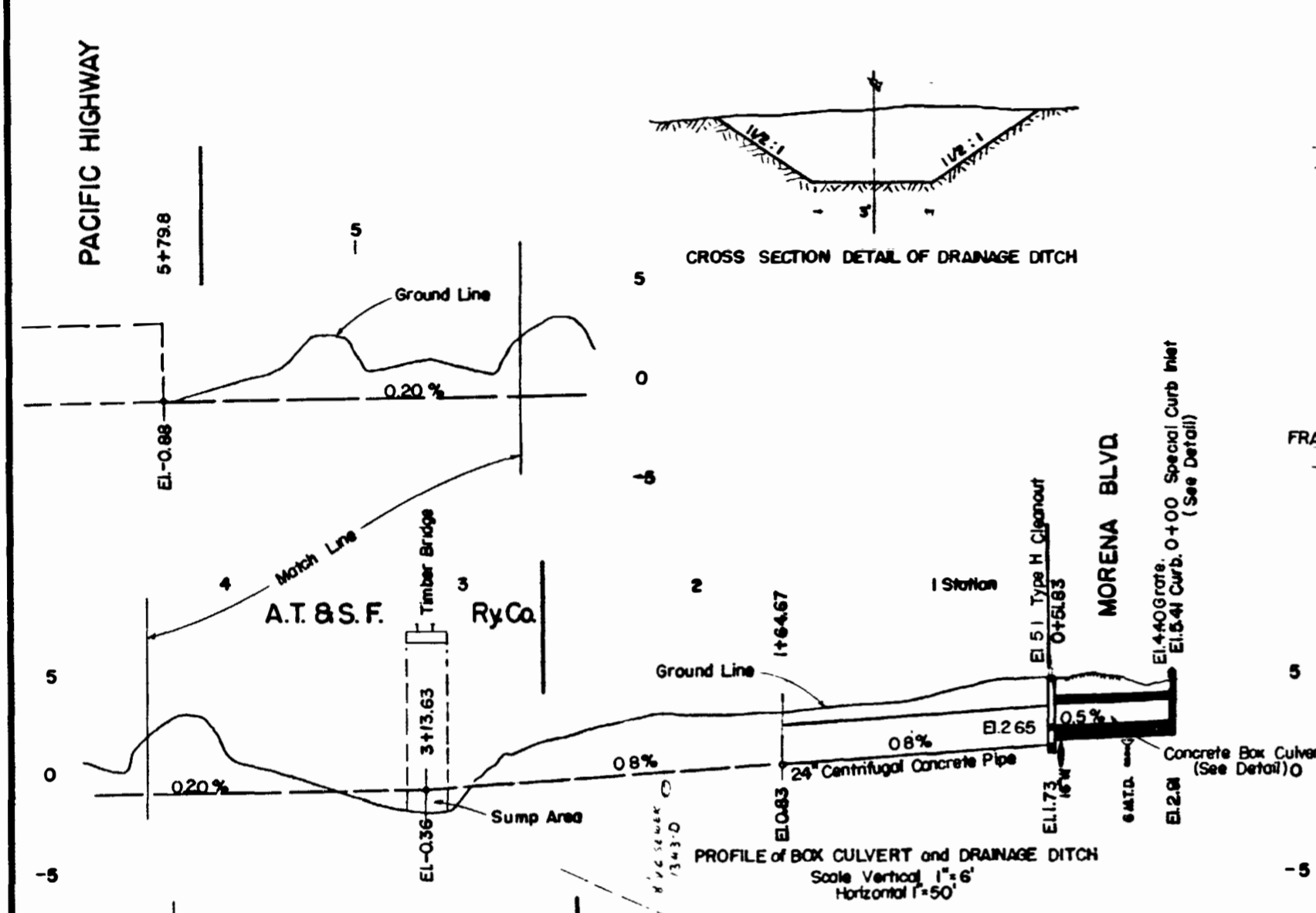
WATER DEPARTMENT	INSPECTED
SEWER DEPARTMENT	CHECKED
RAINAGE	DATE
FIELD CHECK	BY
OFFICE CHECK	BY
PLANNING COMMISSION	DATE
GRADER	

Sheet 20	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	23 Sheets
SEWERS in OLD SAN DIEGO, J. P. JONES SUBDIVISION et al		
APPROVED	<i>[Signature]</i> CITY ENGINEER	DATE 5/16/52
SCALE	As Shown	
DRAWN BY M.L.N., E.P.W., H.T.M.	SPRINGER	D.R.
CHECKED BY		
DATE 4-15-52	REVISION None	DRAWING NUMBER 9719-L
DATE COMPLETED 11-17-52		

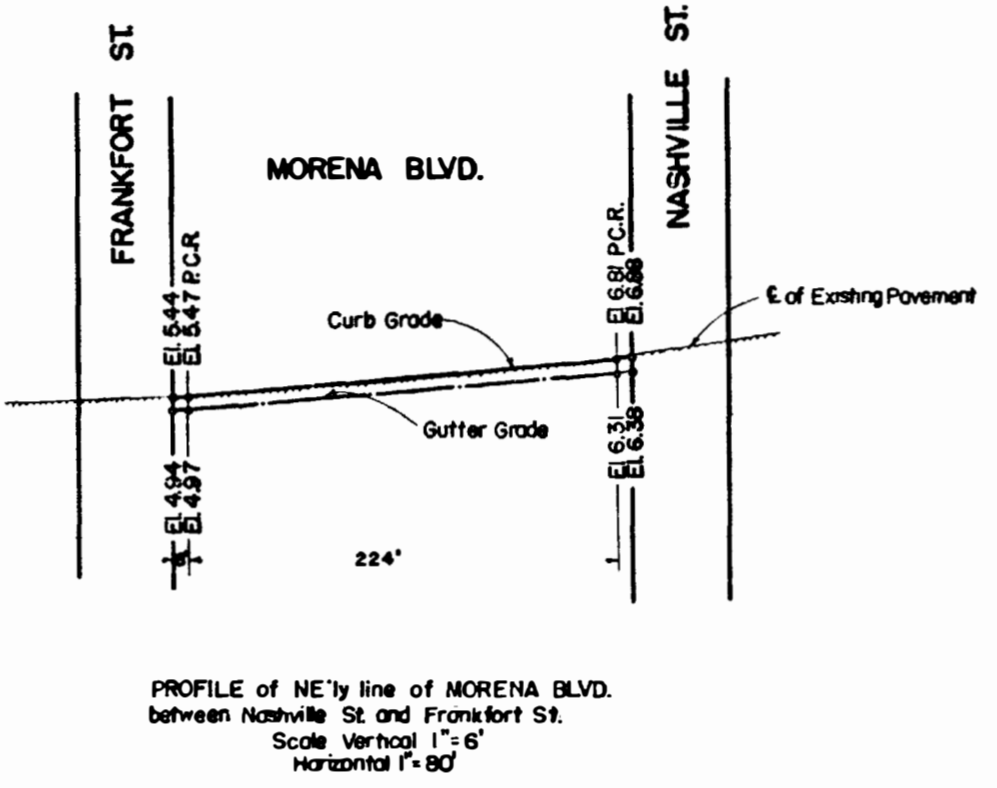
CONTRACTOR	INSPECTOR
Dartman	Sturak
DATE STARTED	REVISION
4-15-52	None
DATE COMPLETED	
11-17-52	

CITY DATUM
ADD 6.19 FEET
TO INVERT TO
MEAN SEA LEVEL

PACIFIC HIGHWAY



PROFILES OF CURB RETURNS AT MORENA BLVD. AND FRANKFORT ST.
Scale Vertical 1"=5'
Horizontal 1"=20'



WORK TO BE DONE

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

The grading of the portions of the streets shown hatched thus:

The preparation of subgrade and paving of the portions of the streets as shown shaded thus:

The construction of Type G Curb as shown thus:

The construction of Type H Cleanout as shown thus:

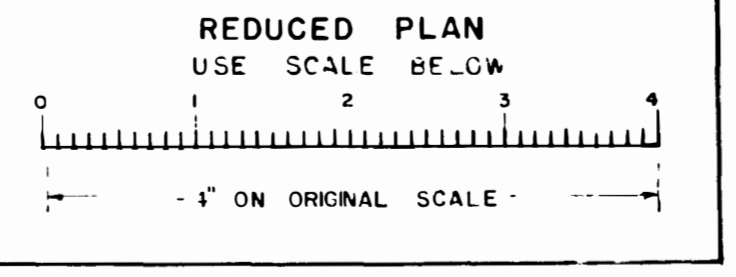
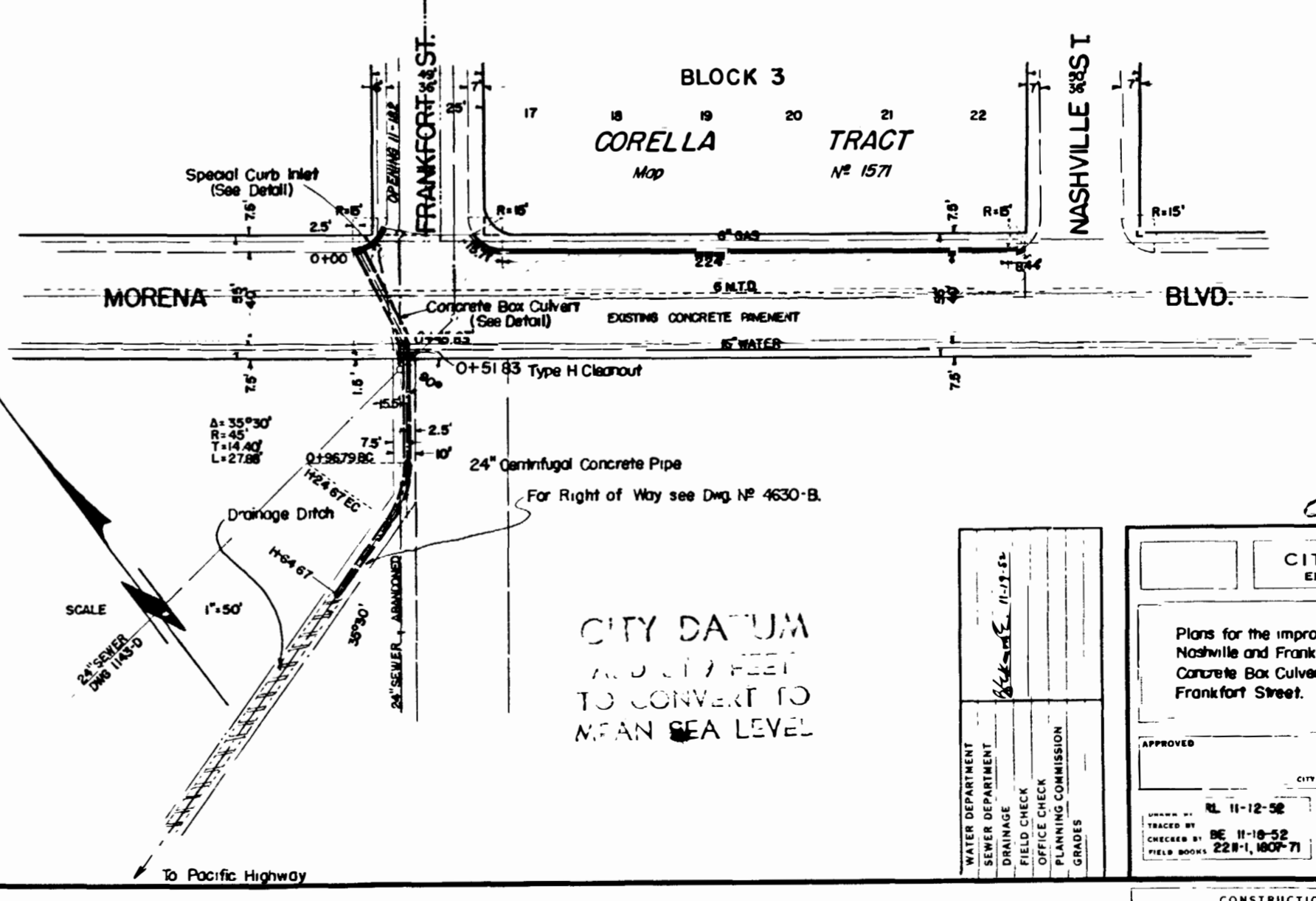
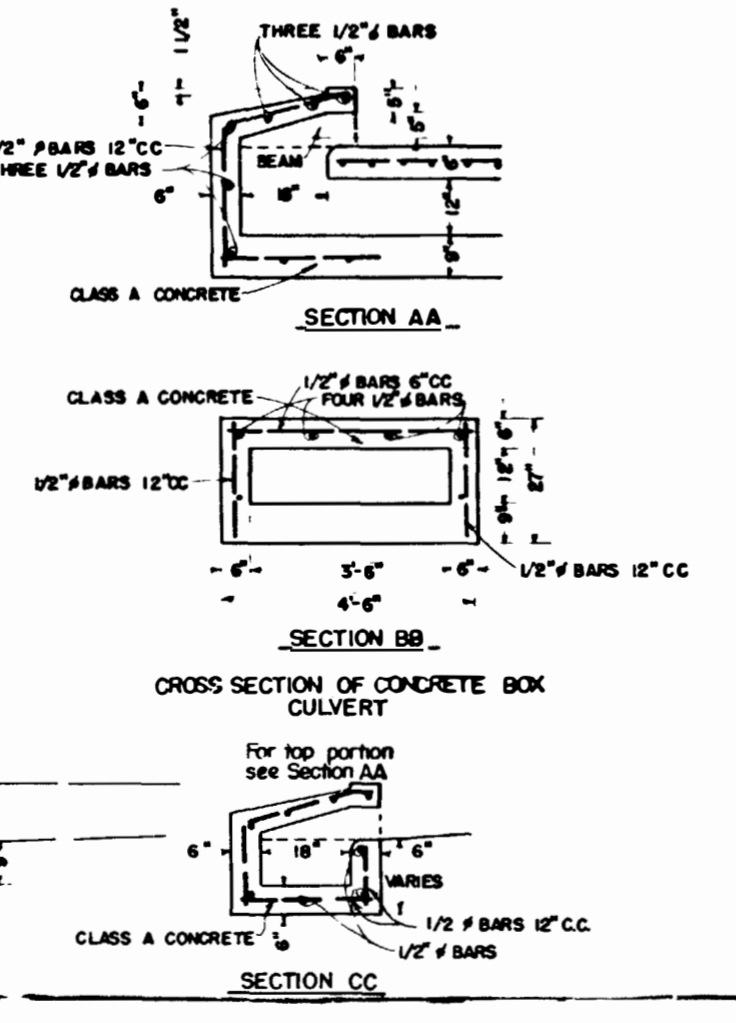
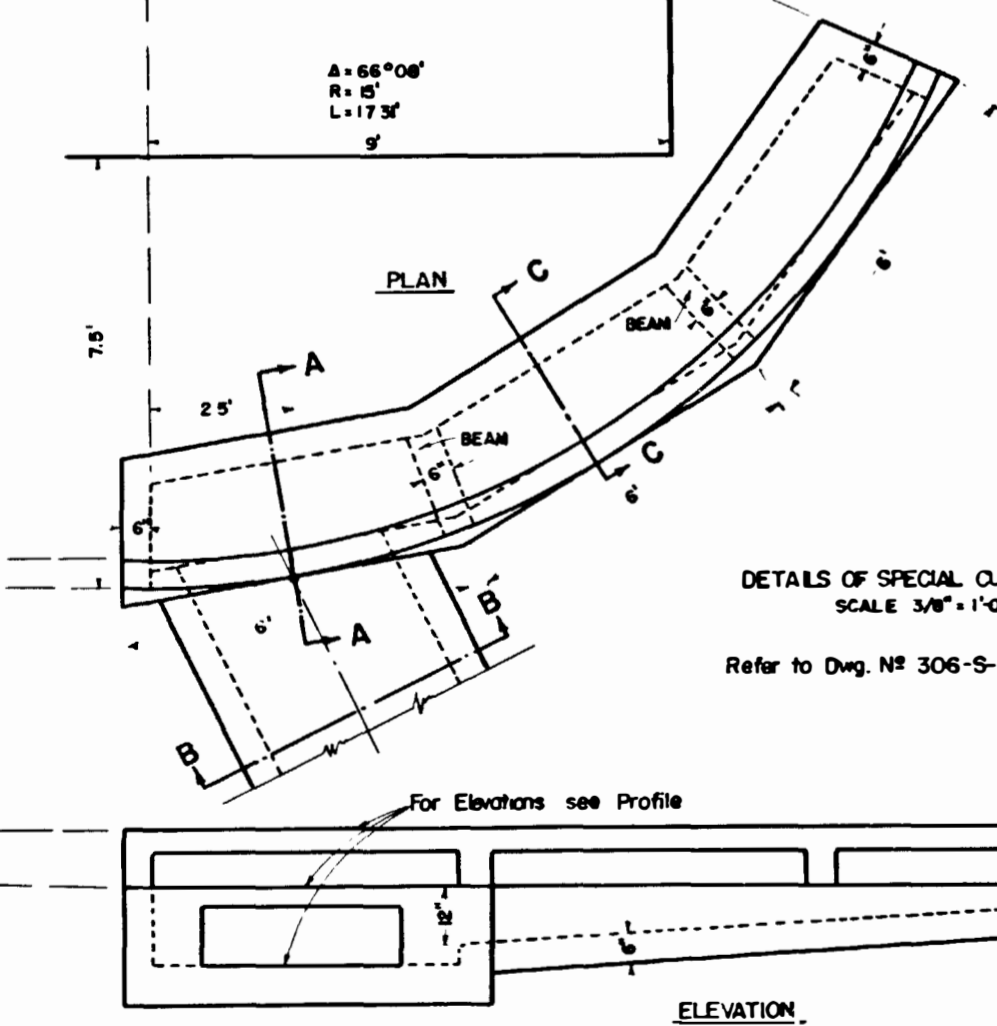
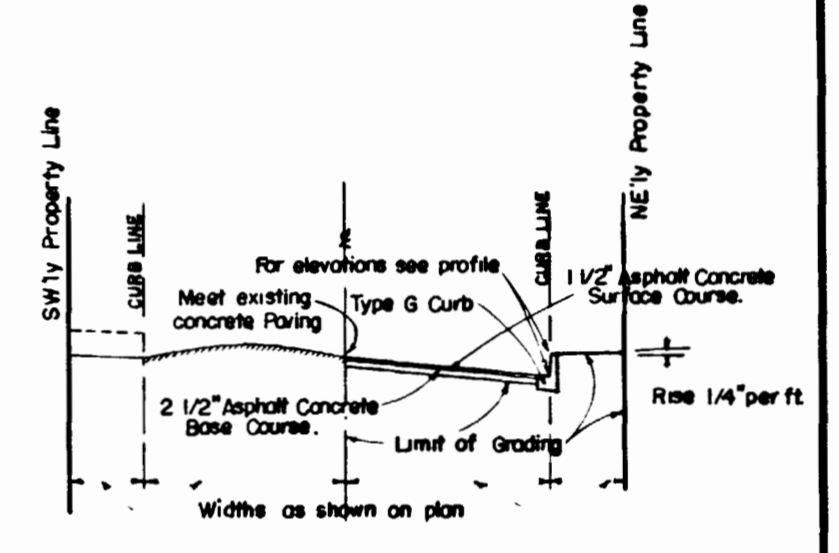
The construction of Drainage Ditch as shown thus:

The construction of Special Curb Inlet as detailed.

The removal and restoration of the portions of concrete pavement as necessary to permit new construction.

The construction of Centrifugal Concrete Pipe or Concrete Box Culvert as shown thus:

STANDARD DRAWINGS
9-S-B
306-S-B



CITY FORCES

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT

Plans for the improvement of a portion of Morena Blvd. between Nashville and Frankfort Streets and the construction of a Concrete Box Culvert and Drainage Ditch at Morena Blvd. and Frankfort Street.

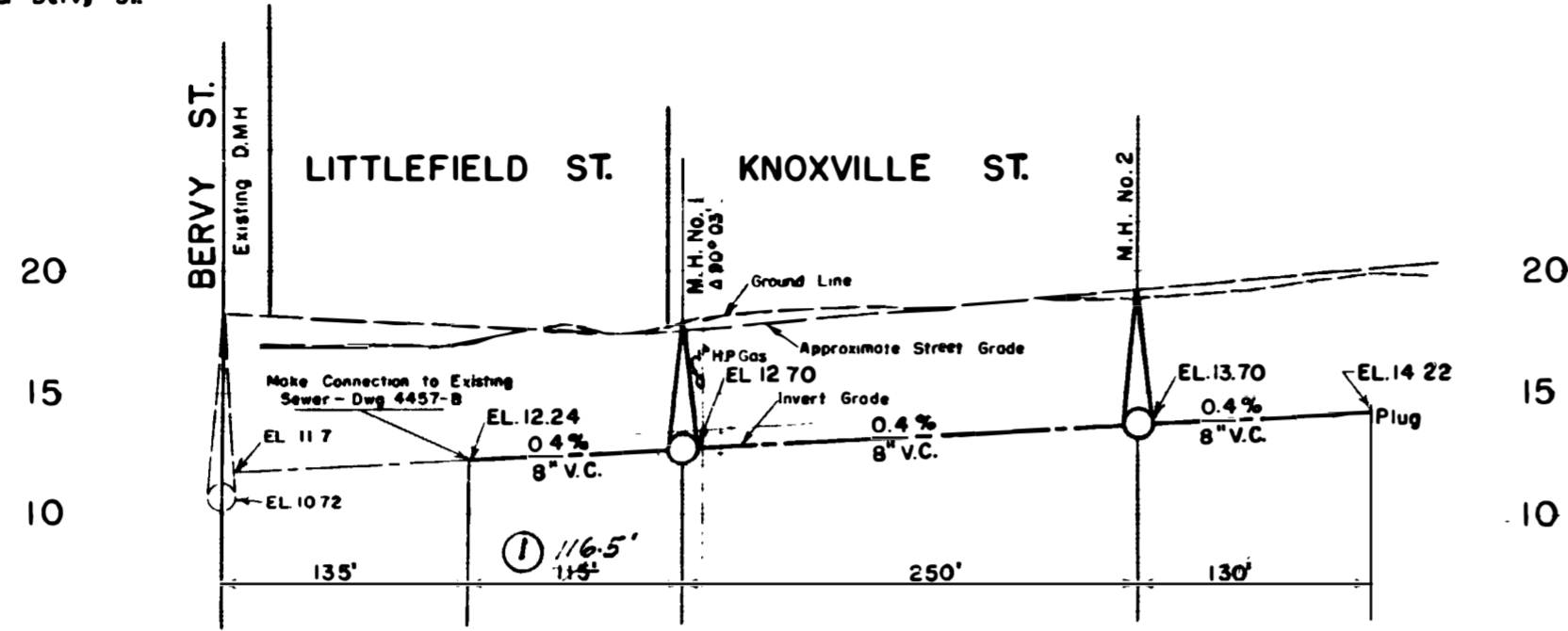
APPROVED: _____ DATE: _____
CITY ENGINEER: _____ SCALE: NOTED

DESIGNED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FIELD ENGINEER: _____ DATE: _____

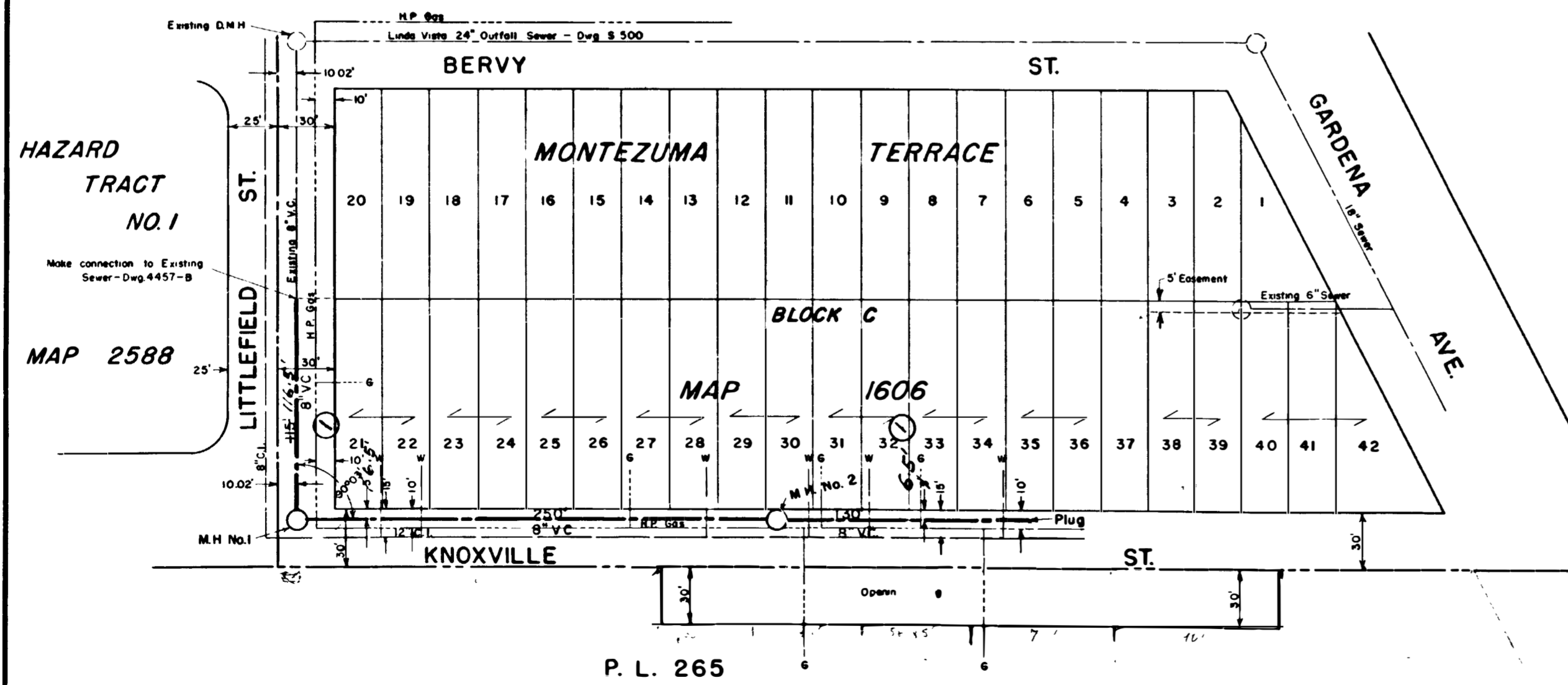
WATER DEPARTMENT
SEWER DEPARTMENT
INSPECTION
FIELD CHECK
OFFICE CHECK
PLANNING COMMISSION
GRADES

CONSTRUCTION RECORD
CONTRACTOR: R.K. Street Div. SUPERVISOR: Riedy
DATE STARTED: _____ DATE COMPLETED: 6-16-53
DRAWING NUMBER: 10162 L
REVISIONS: None DATE: 10-24-53

Bench Mark: S.W. Brass Plug corner
Littlefield St. & Bervy St.
EL. 18.80



PROFILE
Scale: Horizontal 1" = 80'
Vertical 1" = 6'



CITY DATUM
ADD ONE FOOT
TO CORNER TO
MEAN S.L.A. LEVEL

PLAT NO. 2405

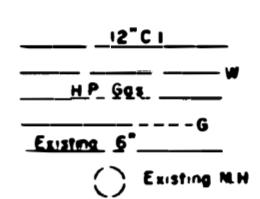
WORK TO BE DONE

The improvement consists of the following work to be done according to these plans and the specifications hereto attached:
The construction of vitrified clay pipe sewer main as shown thus.
The construction of concrete manholes as shown thus.



LEGEND-EXISTING WORK

Water main
Water service connection
Gas main
Gas service connection
Sanitary sewer main
Manhole



NOTES

Property connected by brackets denotes one ownership

STANDARD DRAWINGS

107-SB, 108-SB

REFERENCE DRAWINGS

4457-B Existing Sewer Littlefield Street
500-S Linda Vista Outfall Sewer

DESIGNED BY	DRYDEN
CHECKED BY	W. J. H. MILLER
IN CHARGE	W. J. H. MILLER
DATE	12-17-53
FIELD BOOK	

Sheet 1	CITY OF SAN DIEGO ENGINEERING DEPARTMENT	1 Sheet
Plans for the construction of Sanitary Sewers in Littlefield Street between the southeasterly prolongation of the northeasterly line of Lot 21, Block C, Montezuma Terrace and the southeasterly prolongation of the southeasterly line of Lot 21 and Knoxville Street, and between the southeasterly line of Montezuma Terrace and the southeasterly prolongation of the northeasterly line of Lot 36, Block C, Montezuma Terrace.		
APPROVED	<i>W. J. H. Miller</i>	DATE 4/24/54
CITY ENGINEER		SCALE 1" = 50'
DRAWN BY	H. Mills	CHECKER
DATE		DATE
FIELD BOOK		DRAWING NUMBER
		10197-L

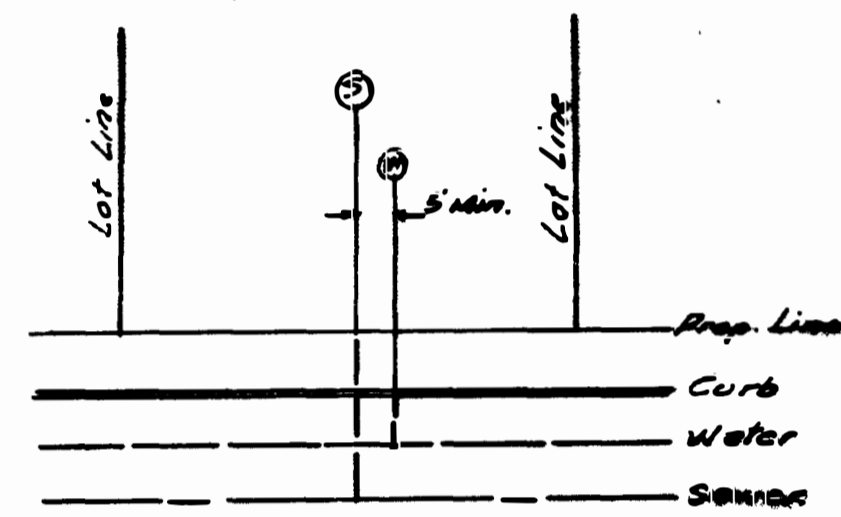
CONTRACTOR	RECORD	W. O. No. 32245
Peterson	Sturak	
DATE STARTED	9-23-53	REVISIONS
DATE COMPLETED	2-29-54	

2115A - 1000 - 3 - 10197 - REF

BAY PARK MANOR

SEWER LATERAL DATA TABLE

Lat. No. (Lot No.)	Inv. El. at Man. (ft.)	Drop to Man. (ft.)	Length (ft.)	Inv. Elev. at Cor. (ft.)	Cor. Elev. (ft.)	Inv. Elev. at Cor. (ft.)	Remarks
1	21.30	0.3'	25'	25.10'	21.00'	21.30'	
2	20.80	0.3'	20'	21.20	21.60	6.60'	
3	26.20	0.3'	20'	26.90	32.20	6.10'	
4	31.20	0.3'	19'	32.90	39.20	6.30'	
5	34.50	0.3'	19'	35.20	46.20	7.00'	
6	35.20	0.3'	23'	45.75	58.20	7.35'	
7	52.60	0.3'	21'	53.50	61.10	7.60'	
8	60.60	0.3'	20'	61.50	69.50	8.20'	
9	57.60	0.3'	21'	58.50	66.20	8.10'	
10	51.40	0.3'	21'	52.20	59.20	7.00'	
11	41.20	0.3'	35'	42.20	53.20	7.00'	
12	31.50	0.3'	37'	32.50	42.20	6.80'	
13	32.40	0.3'	37'	33.65	39.40	5.75'	
14	26.80	0.3'	36'	27.20	32.20	5.00'	
15	21.50	0.3'	36'	22.50	28.10	5.80'	
16	10.20	0.3'	45'	11.40	22.00	10.00'	
17	10.10	0.3'	45'	11.30	21.25	10.00'	
18	41.20	0.3'	7'	41.40	51.20	10.00'	
19	67.20	0.3'	7'	68.10	74.20		
20	80.20	0.3'	7'	80.60	86.20		
21	82.20	0.3'	7'	83.10	89.20		



PLAN SHOWING TYPICAL WATER & SEWER SERVICES
AS 3648

NOTES

Contractor will make exploration excavation and locate existing under-ground facilities sufficiently ahead of construction to permit revisions to plans if revision is necessary because of actual location of existing facilities.

Location and elevation of improvements to be met by work to be done shall be confirmed by field measurement prior to construction of new work.

Armament Street Name Signs to be installed by City of San Diego.

Water services shall be constructed clear of driveways.

WORK TO BE DONE

The improvement consists of the following work to be done according to these plans and the specifications of the City of San Diego

Standard Specifications Part I, filed April 9, 1958 including Amendment filed April 9, 1955, and Section 2, filed 9-2-58 per 4-1-58

Part V, filed May 3, 1958

Special Conditions R.18 hereto attached.

IMPROVEMENTS:	STANDARD DWGS:	SYMBOL:
Grading		
Preparation of subgrade & A.C. Paving		
Type 6" Curb	G-3-55	
R.C.C. Sidewalk	G-4-55, G-53-57	
5 1/2" G Curb	G-16-55	
Concrete cross gutter	G-35-57	
6" A.C. Barm	G-21-55	
8" Vitrified clay pipe sewer main	S-1-59	
Concrete manholes	S-8-60, M-23-57	
4" Vitrified clay pipe sewer lateral	S-22-50	
A.C. Water main	W-6-59, W-61-60	
Gate valves, Boxes & Covers	W-12-61	
Cut off wall	G-27-55	
3/4" Copper Water Services	W-2-61, W-5-59, W-21-55	
Fire Hydrants	W-16-60, W-15-57	
Water Connection		
Adjust existing manhole		
Adjust existing gate valve		
Existing Improvements	P-1-56	
Land Development	L-43-60, L-44-60, L-45-60	
2" A.C. Pavement		
Temporary street name signs shall be installed by subcontractor prior to occupancy of any houses.		

REFERENCE DRAWINGS

5808-D, 5803-D, 11067-AQ, 11233-L

SITE IMPROVEMENTS

Grading Plan No. 10602-5-70

WATER CONNECTION

The cost of the connection shown on these plans is as follows:

CONNECTION NO. 1 @ 583⁰⁰

AS BUILT NOTES

- CONTRACTOR: K.H. GOLDEN CO.
- TYPE OF PIPE: ARMAMENT CEMENT MANUFACTURER:
- TYPE OF VALVE: GATE MANUFACTURER: RICH TYPE OF VALVE: BLOWOFF MANUFACTURER: JONES TYPE OF SOIL: FINE CLAY SAND & SANDSTONE TYPE OF BACKFILL: CLASS A IS IMPORTED SAND. CLASS B & C IS NATIVE SOIL.
- TEST DATE: 8-2-62 PRESSURE: 225 PSI
- CHANGES IN CALLOUTS & PLAN DIMENSIONS: AS SHOWN.
- STATIONS OF SERVICES: TO BE SUPPLIED BY ENGR. OF WORK.
- CORRECTED LOCATION OF EXISTING FACILITIES AS NOTED.

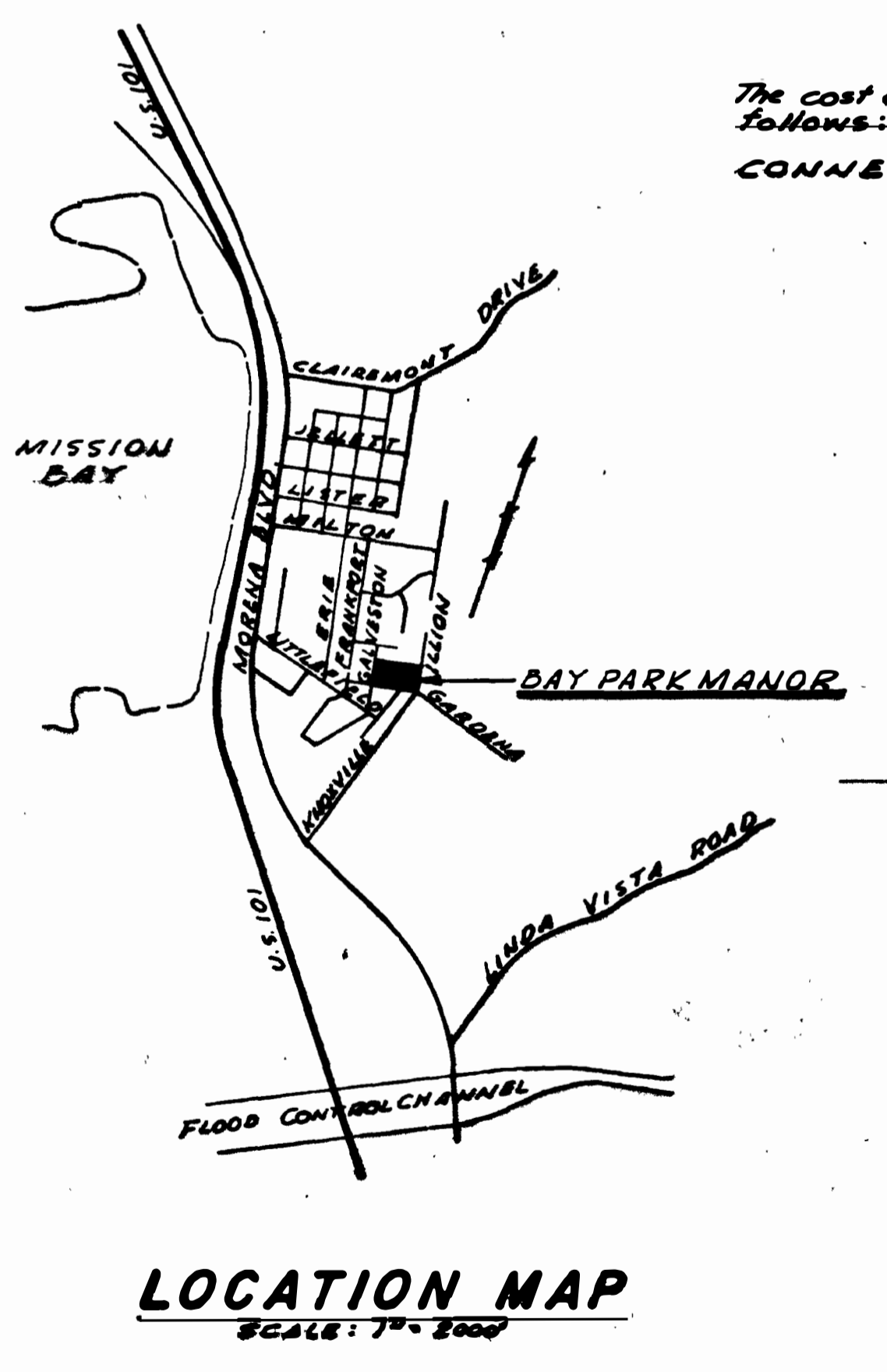
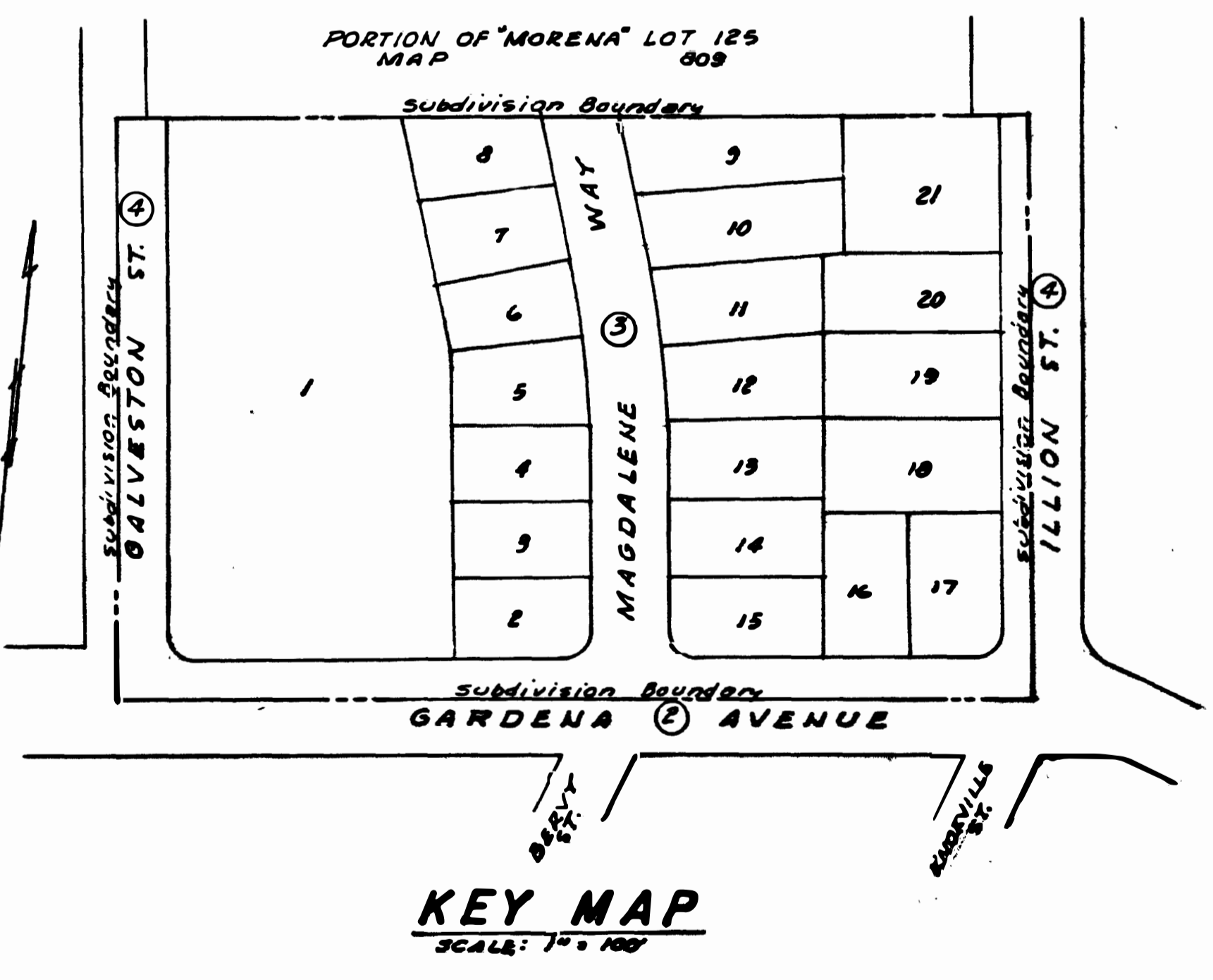
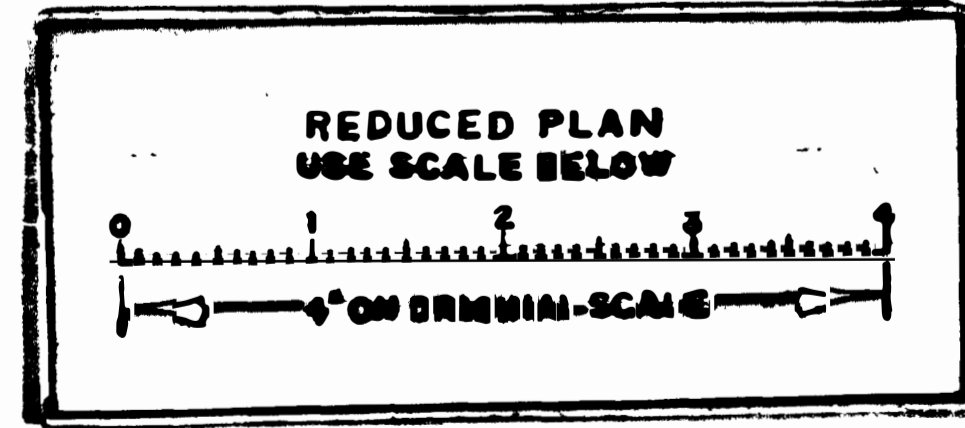
BENCH MARK

B.M. in westerly curb, Frankfort Street 1.0' N. of Northernly line of Gardena Avenue per 10057-AD. Elevation 64.12 City Datum.

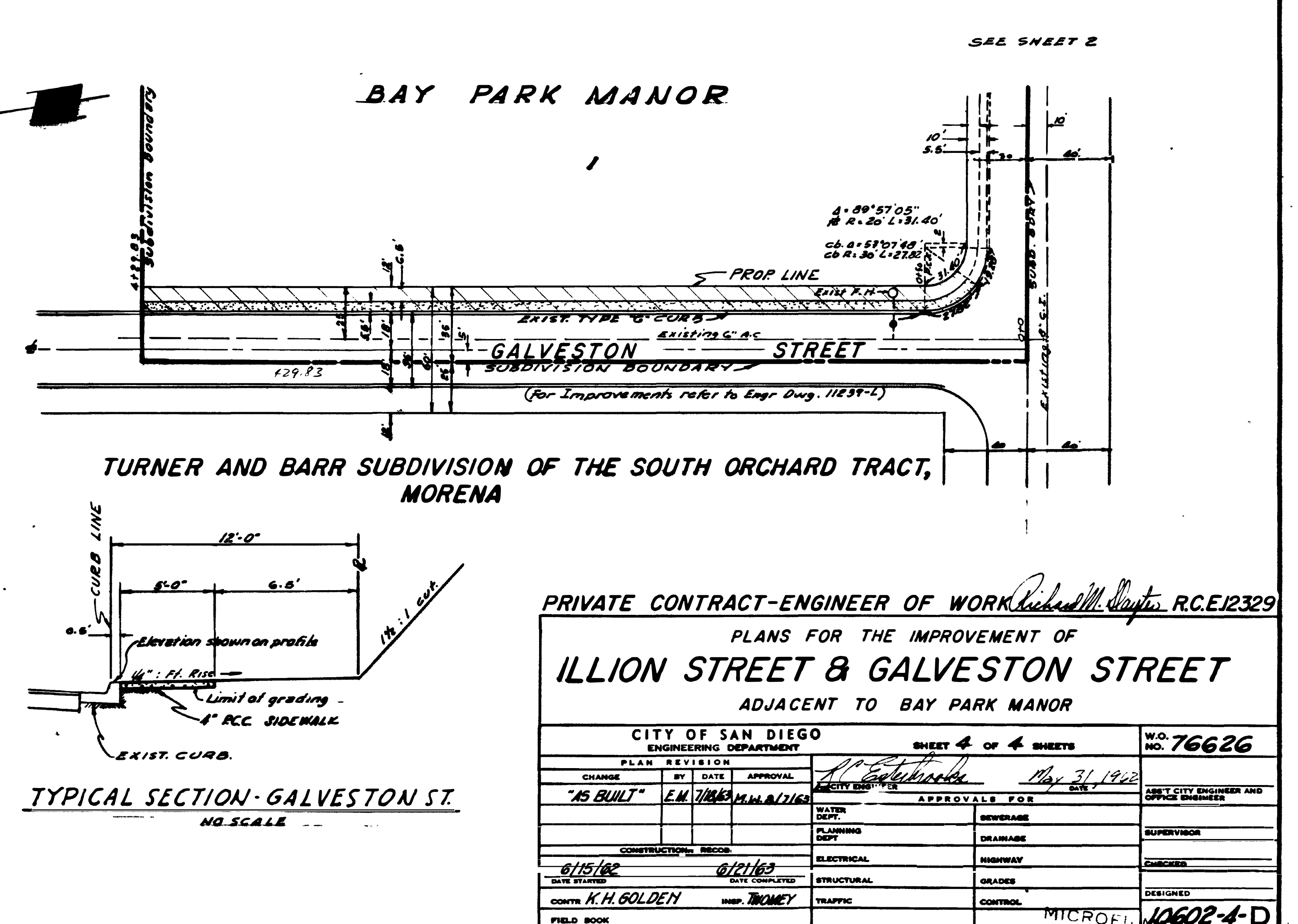
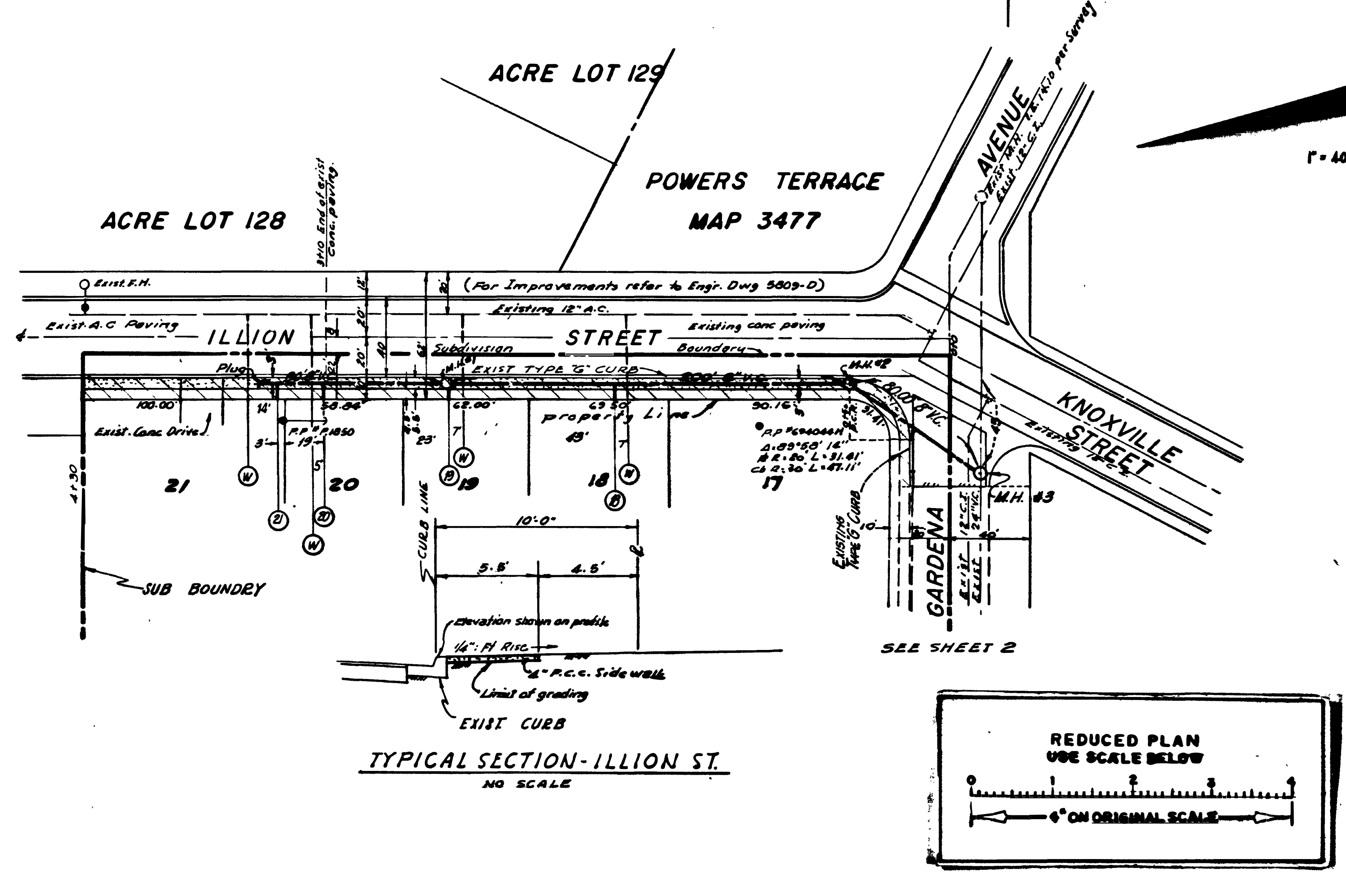
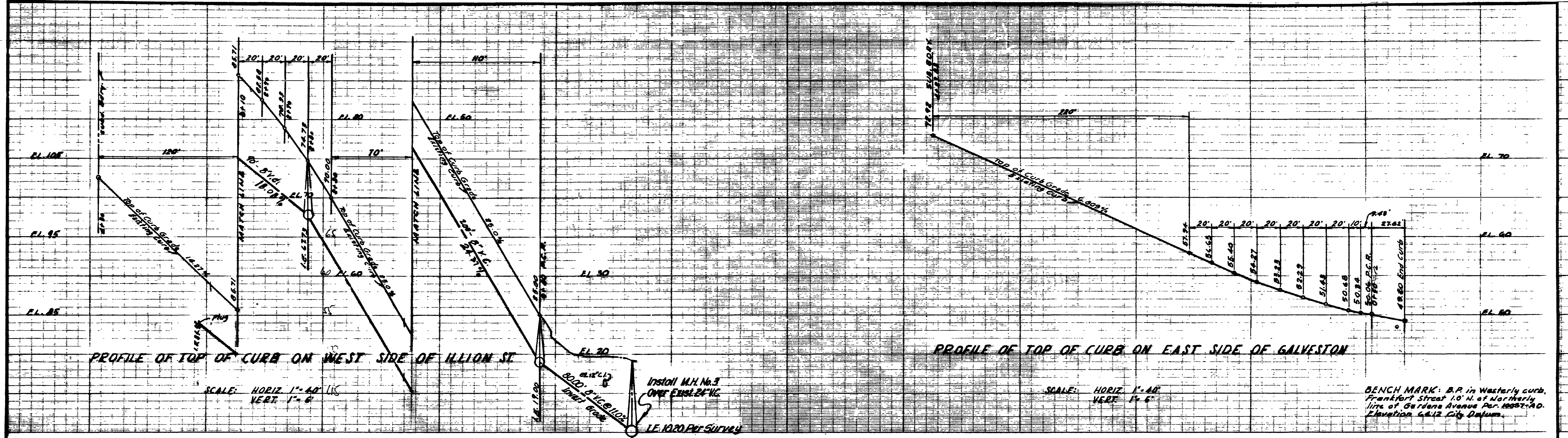
PRIVATE CONTRACT ENGINEER OF WORK *Richard M. [Signature]* P.R.C.E. 12329

PLANS FOR THE IMPROVEMENT OF GALVESTON STREET, GARDENA AVENUE, ILLION STREET & MAGDALENE WAY IN BAY PARK MANOR

CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 1 of 4 SHEETS		WO NO. 76626
PLAN REVISION	APPROVAL	DATE	BY	DATE
AS BUILT	<i>[Signature]</i>	6/15/62	E.M. [Signature]	6/15/62
WATER DEPT.	SEWER DEPT.	PLANNING DEPT.	DRYING DEPT.	INSPECTION DEPT.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
DATE: 6/15/62	DATE: 6/15/62	DATE: 6/15/62	DATE: 6/15/62	DATE: 6/15/62
CONTR: K.H. GOLDEN	CONTR: [Signature]	CONTR: [Signature]	CONTR: [Signature]	CONTR: [Signature]
FIELD BOOK	FIELD BOOK	FIELD BOOK	FIELD BOOK	FIELD BOOK



AS BUILT SEP 19 1962 J-1026

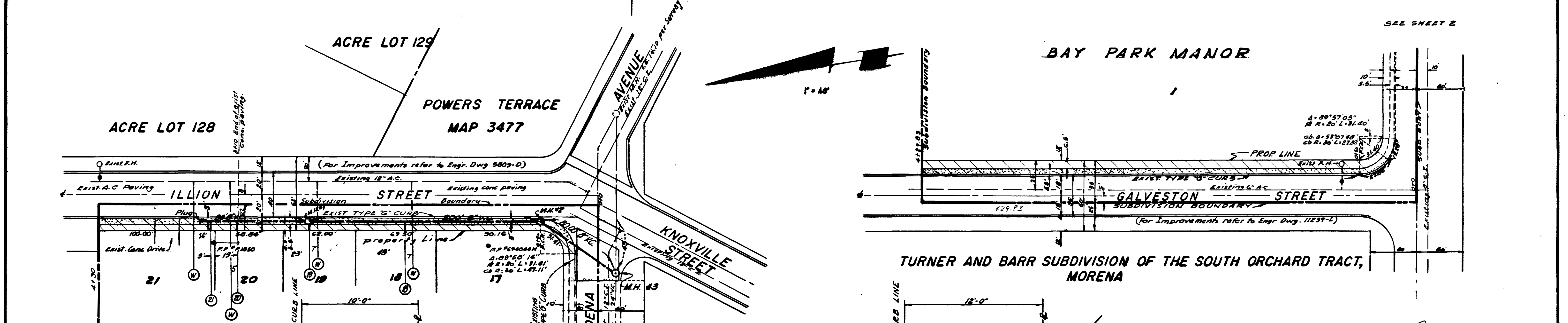
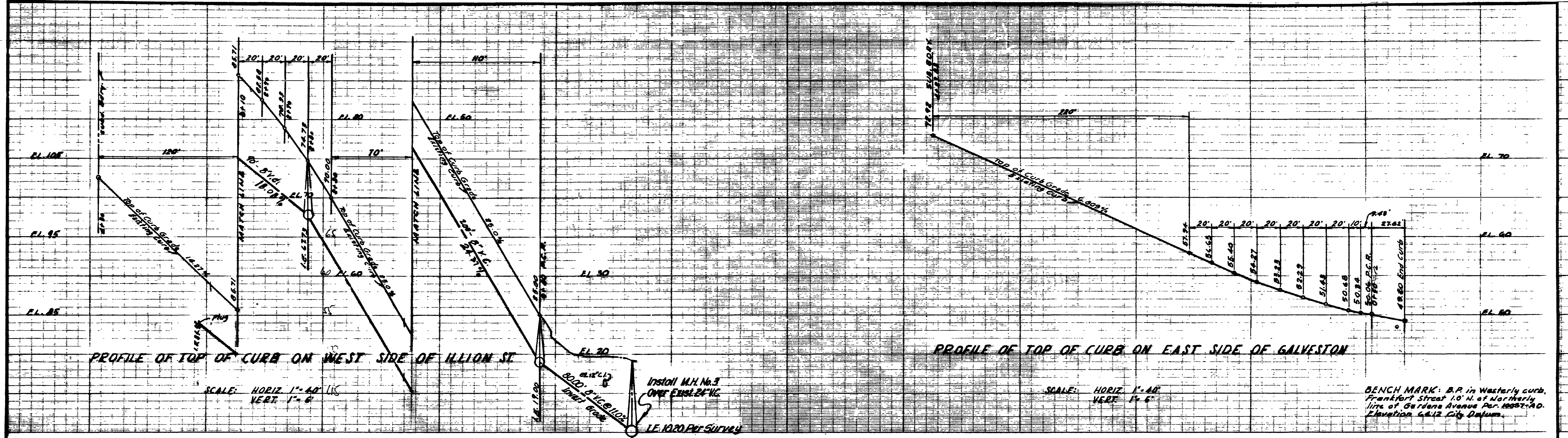


PRIVATE CONTRACT-ENGINEER OF WORK *Richard M. Dayton* R.C.E.12329

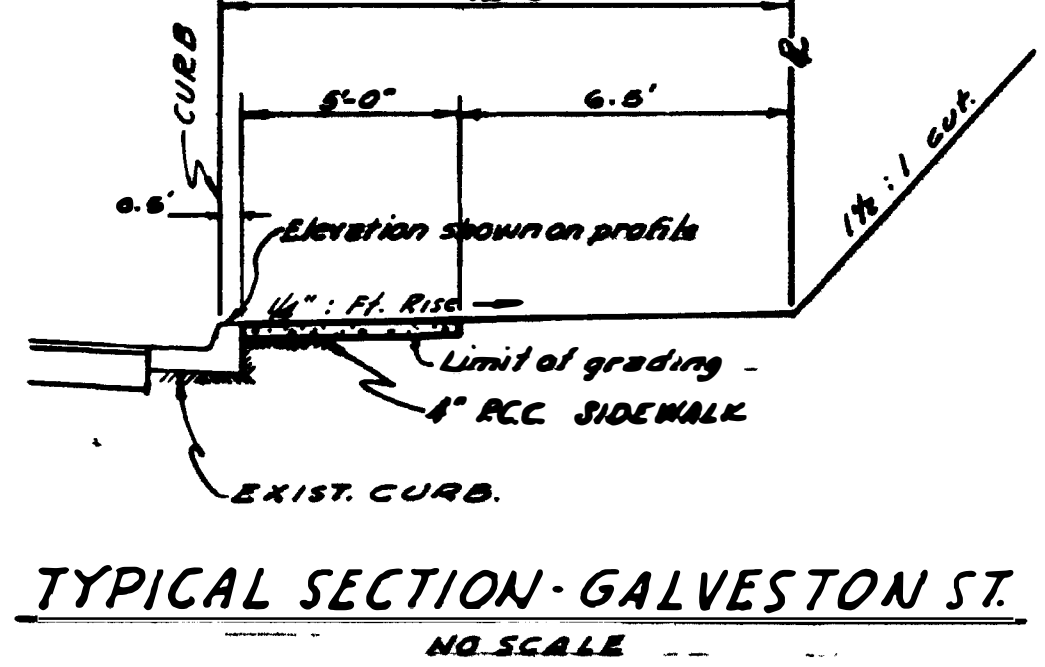
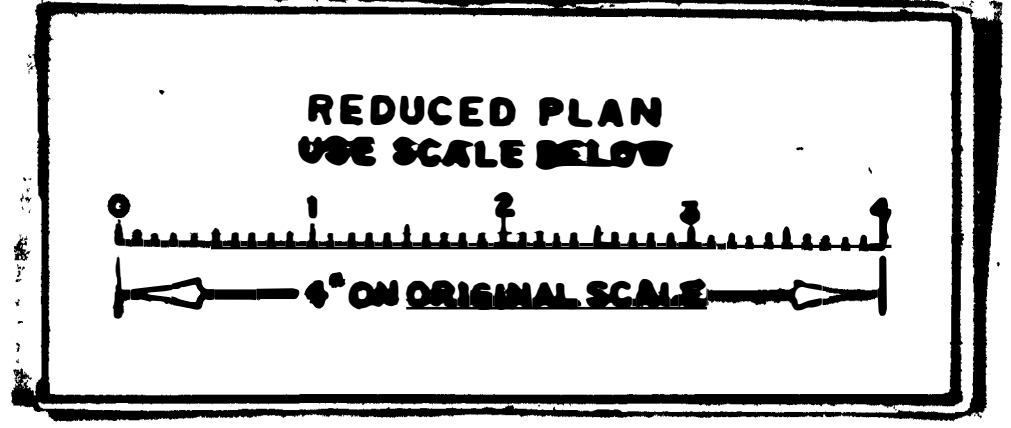
PLANS FOR THE IMPROVEMENT OF
ILLION STREET & GALVESTON STREET
ADJACENT TO BAY PARK MANOR

CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 4 OF 4 SHEETS	W.O. NO. 76626
PLAN REVISION	DATE	APPROVAL	DATE
CHANGE	BY	DATE	APPROVAL
"AS BUILT"	E.M. 7/16/63	M.M. 8/1/63	May 31 1962
CONSTRUCTION RECORD		APPROVALS FOR	
WATER DEPT.	SEWERAGE	DRAINAGE	SUPERVISOR
PLANNING DEPT.	ELECTRICAL	HIGHWAY	ENGINEER
STRUCTURAL	TRAFFIC	GRADES	DESIGNED
CONTROL			
DATE STARTED: 6/15/62	DATE COMPLETED: 6/21/63	MICROFILM 10602-A-D	
CONTR: A. H. GOLDEN	INSP: TRUMET	FIELD BOOK	

AS BUILT SEP 19 1963



TYPICAL SECTION - ILLION ST. NO SCALE



PRIVATE CONTRACT-ENGINEER OF WORK *Richard M. Dayton* R.C.E.12329

PLANS FOR THE IMPROVEMENT OF
ILLION STREET & GALVESTON STREET
ADJACENT TO BAY PARK MANOR

CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 4 OF 4 SHEETS	W.O. NO. 76626
PLAN REVISION	DATE	APPROVAL	CITY ENGINEER
CHANGE	BY	DATE	APPROVAL
"AS BUILT"	E.M. 7/16/63	M.M. 8/1/63	
CONSTRUCTION RECORD	PLANNING	APPROVALS FOR	
DATE STARTED	DATE COMPLETED	WATER DEPT.	SEWERAGE
6/15/62	6/21/63	ELECTRICAL	DRAINAGE
CONTR. A. H. GOLDEN	INSP. TRUMPEY	STRUCTURAL	HIGHWAY
FIELD BOOK		TRAFFIC	GRADES
		CONTROL	DESIGNED
			MICROFILM 10602-A-D

AS BUILT SEP 19 1963

SEWER LATERAL DATA TABLE

LOT	INV. ELEV.	DRP. TO MAIN	INV. @ R.	LENGTH	CURB ELEV.	INV. DEPTH BELOW CURB	REMARKS
12	2707	2722	27	207	5'-0"		
13	2687	2712	25	224			
14	2676	2714	25	238			
15	2689	2724	25	235			
16	2689	2730	25	240			
17	2700	2733	24	273			
18	2700	2730	24	271			
19	2695	2727	24	277			
20	2678	2719	25	276			
21	2570	2623	26	267			
22	2478	2543	18	259			
23	2487	2540	18	255			
24	2487	2537	18	251			
25	2487	2534	18	247			
26	2487	2531	18	243			
27	2487	2528	18	239			
28	2487	2525	18	235			
29	2487	2522	18	231			
31	2487	2519	18	227			

SEWER LATERAL DATA TABLE

LOT	INVERT ELEV.	DRP. TO MAIN	INVERT @ R.	LENGTH	CURB ELEV.	INV. DEPTH BELOW CURB	REMARKS
32	2457	2572	20	215	6'-0"		
33	2427	2542	15	215			
34	2427	2512	15	215			
35	2455	2555	20	245	6'-0"		
36	2415	2515	18	235	5'-0"		
37	2459	2574	20	215			
38	2456	2571	19	212			
39	2456	2568	19	208			
40	2427	2548	15	221			
41	2433	2553	15	220			
42	2430	2550	15	217			
43	2433	2553	15	220			
44	2433	2553	15	220			
45	2435	2555	15	220			
46	2427	2548	15	221			
47	2433	2553	15	220			
48	2433	2553	15	220			
49	2433	2553	15	220			
50	2433	2553	15	220			
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96	2433	2553	15	220			
97	2433	2553	15	220			
98	2433	2553	15	220			
99	2433	2553	15	220			
100	2433	2553	15	220			

REFERENCE DRAWINGS

11124-E-D } Princess Gardens Unit No. 1.
 11124-3-D }
 11124-4-D }
 2858-D } Irwin Avenue - Allied Gardens Unit No. 5.
 2871-D }
 11228-3-D } Conestoga Way - San Carlos West Unit No. 4.

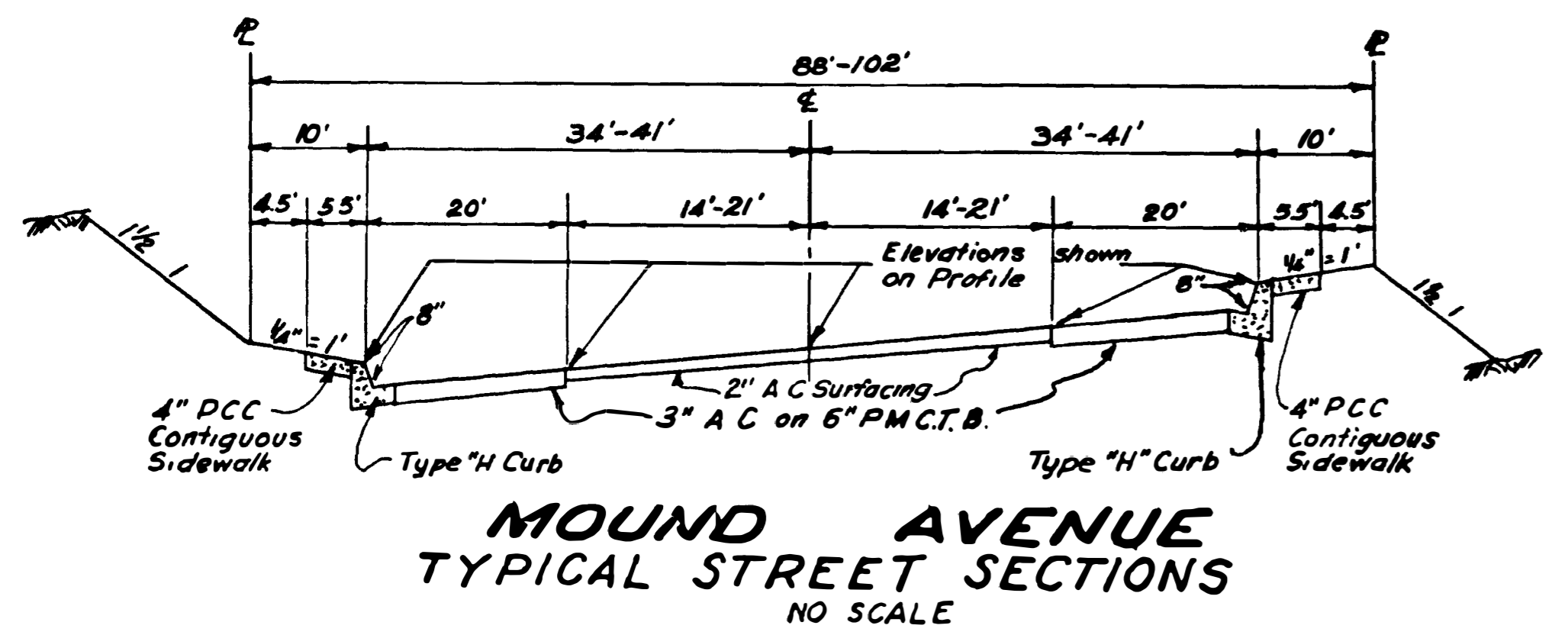
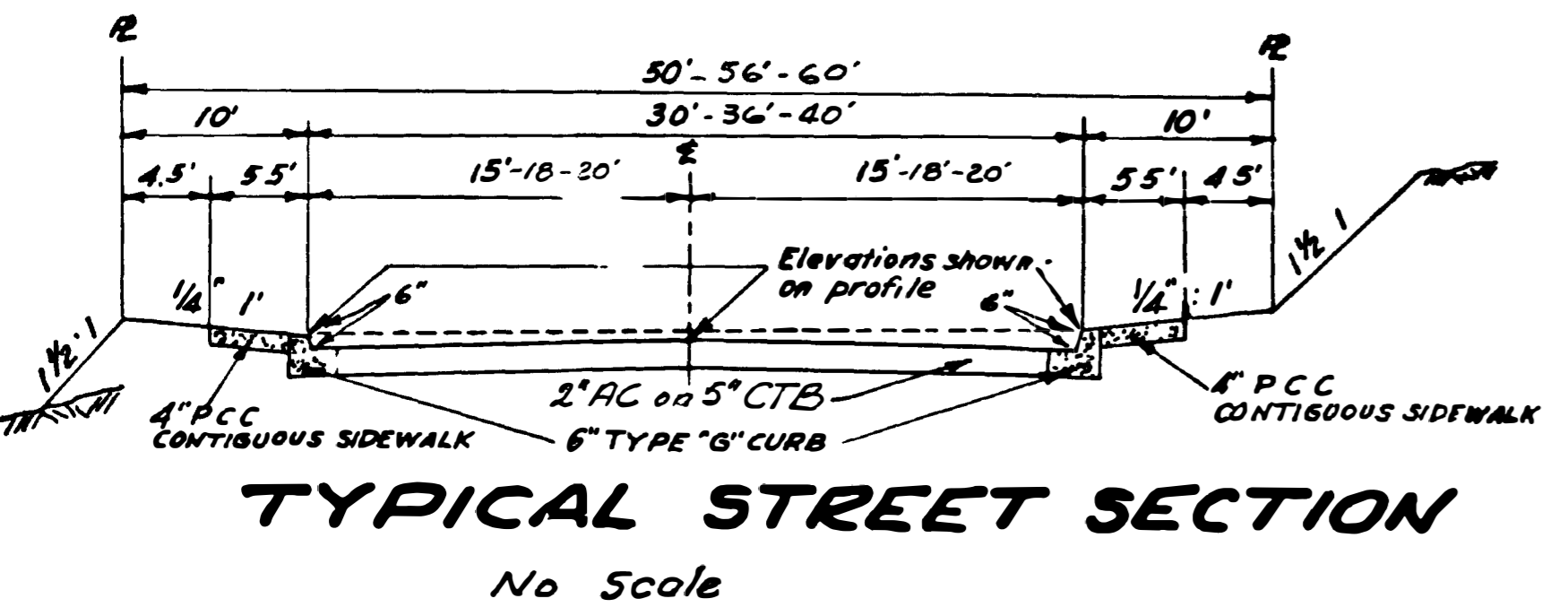
WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE FOLLOWING STANDARD DRAWINGS AND SPECIFICATIONS OF THE CITY OF SAN DIEGO

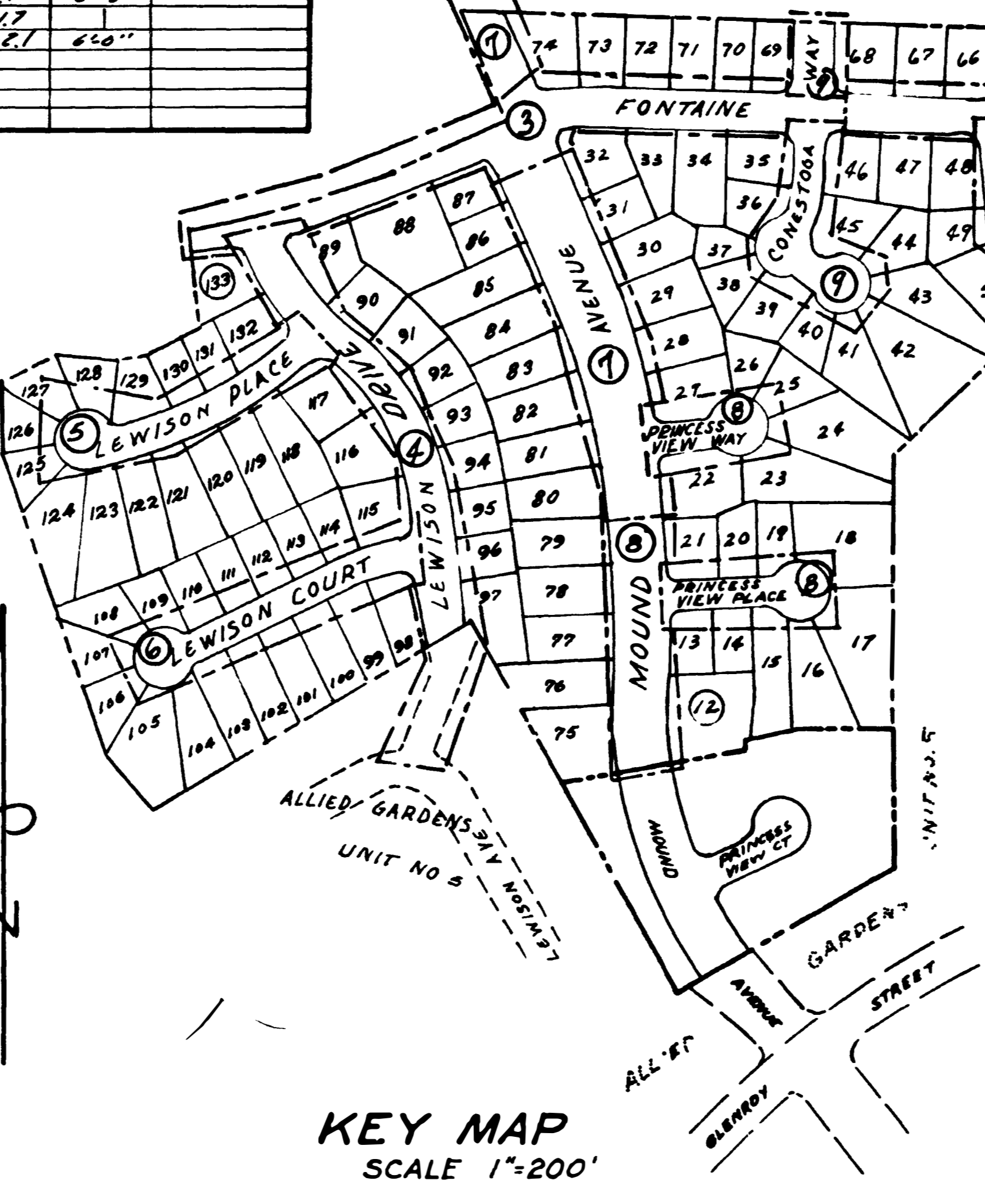
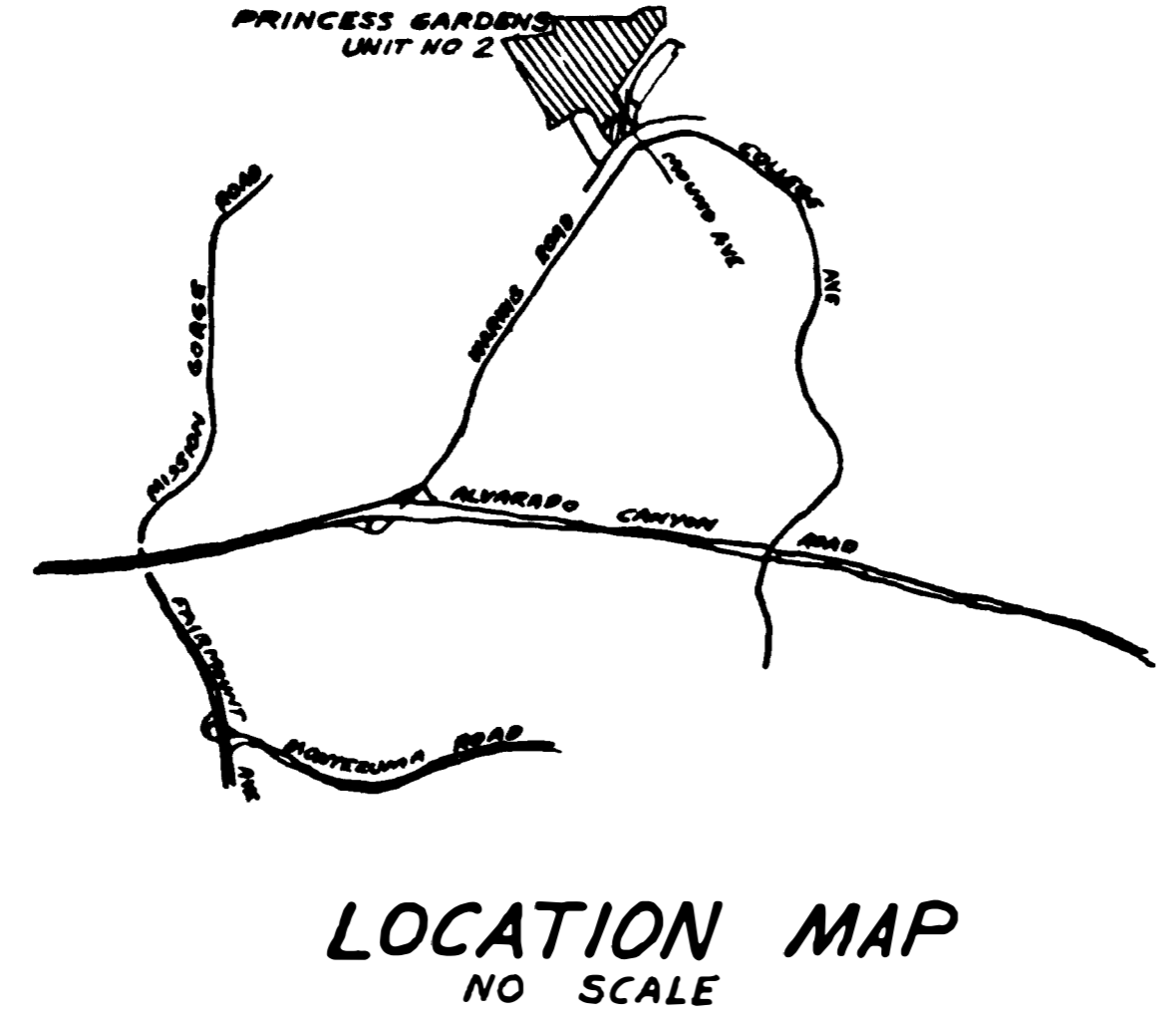
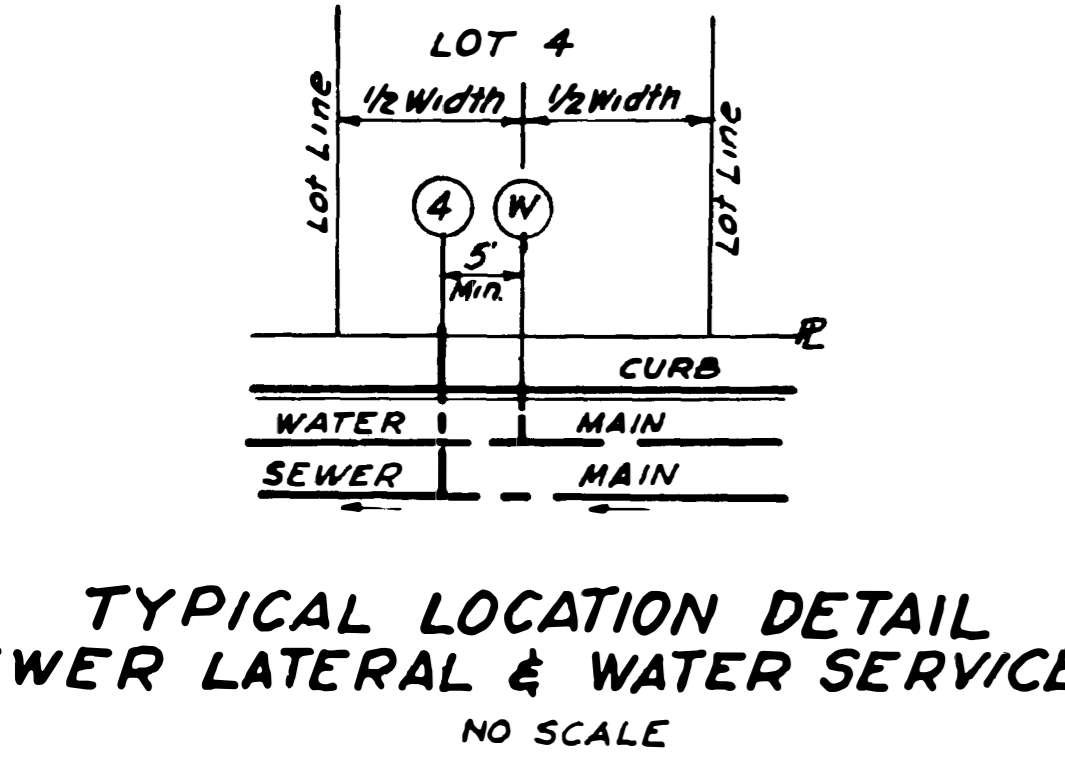
SPECIFICATIONS

PART I, FILED APRIL 9, 1958 INCLUDING AMENDMENTS TO PART I, FILED APR. 8, 1959 & NOV. 29, 1962, & SECTION I, FILED OCTOBER 26, 1961; PART V, FILED JULY 3, 1962; AND SPECIAL CONDITIONS P-18, AMENDED MAR 1, 1963

IMPROVEMENTS	ST'D. DWG'S.	SYMBOL
GRADING		-----
A/C PAVING		-----
P.C.C. PAVING		-----
A/C SURFACING		-----
TYPE "G" CURB	G-9 55	-----
TYPE "H" CURB	G-5 55	-----
SIDEWALK	G-4 55, G-53-57	-----
DRIVEWAYS	G-22-56, G-23-56, G-40-55, G-41-61	-----
(S) - CONCRETE CONTROL MONUMENT	M-21-62	-----
V.C.P. SEWER MAINS	S-1-59	-----
4" V.C.P. SEWER LATERAL	S-22-62	-----
CONCRETE MANHOLE	S-B-69T, M-23-57	-----
BLOWOFF ASSEMBLY	W-7-60	-----
GATE VALVE & BOX	W-12-61	-----
6" FIRE HYDRANT & SERVICE	W-14-62T, W-15-62T	-----
A/C WATER MAIN & APPURTENANCES	W-6-59, W-61-60	-----
COPPER WATER SERVICE	W-2-62T, W-27-62T, W-60-60	-----
GUARD FENCE (C.F.C.S.) (Local/Block)	T-9-62, T-29-58	-----
STORM DRAIN	D-3-55	-----
CURTAIN WALL	D-28-56	-----
TYPE "B" CURB INLET	D-5-62	-----
TYPE "A" CLEANOUT	D-10-55	-----
PAVEMENT CUTOFF WALL	G-27-55	-----
LEGEND EXISTING WORK	P-1-56	-----
CONCRETE PIPE SUPPORT	S-21-57	-----
CROSS GUTTER	G-35-57	-----
6" A.C. BERM	G-21-55	-----



GENERAL NOTES:
 Contractor: Princess Homes, Inc.
 Paving: K.H. Golden Co.
 Concrete - Sidewalks, Curb, etc.: V.J. Tarantino
 Water System Notes:
 Pipe: J-M Class 150 A.C.
 Fittings: Rich
 Hydrants: Rich
 Valves: Mueller



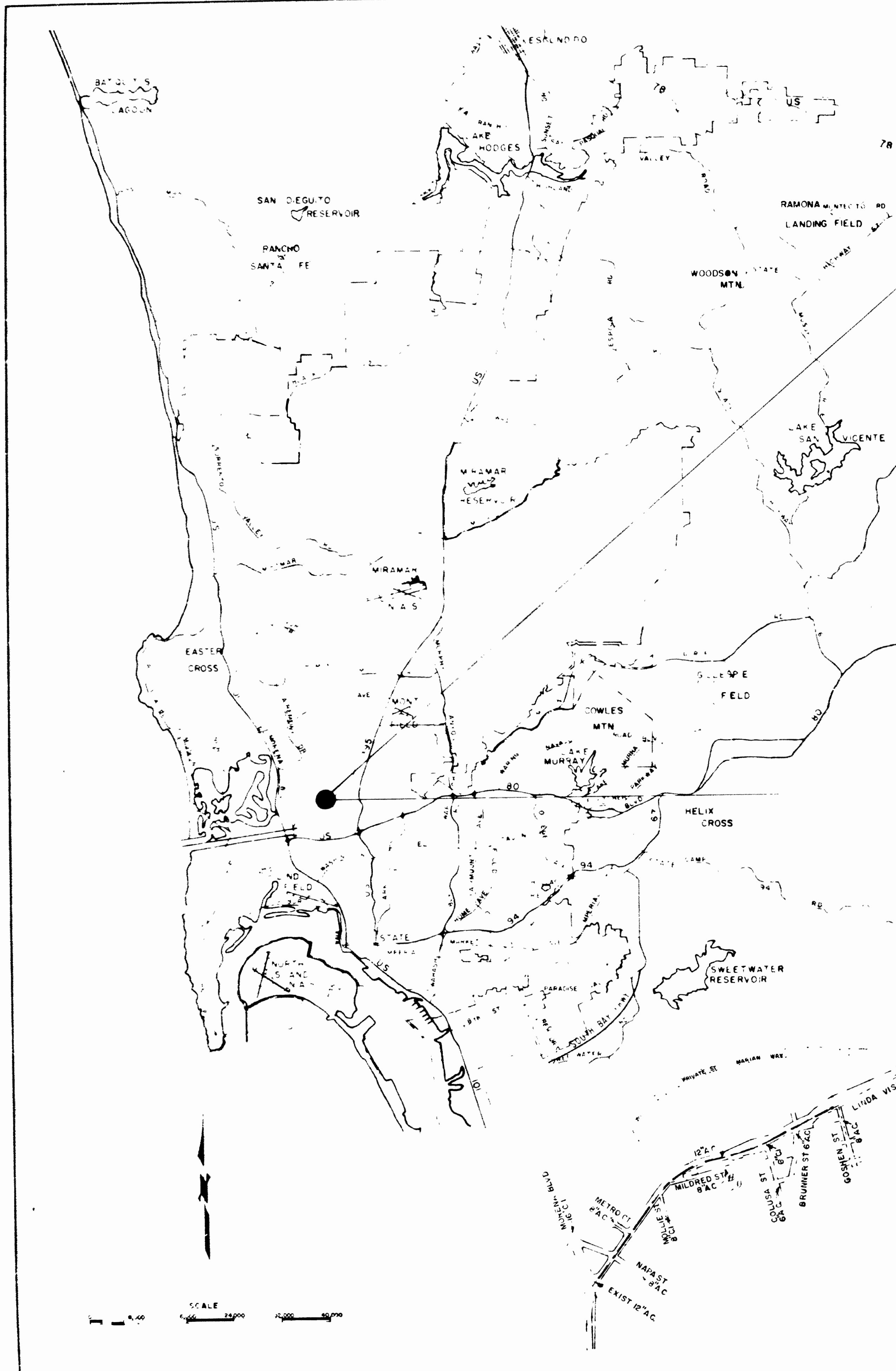
THE COST OF WATER MAIN CONNECTIONS SHOWN ON THESE PLANS ARE AS FOLLOWS
 CONN. NO. 1 \$ 821.00, CONN. NO. 2 \$ 320.00, CONN. NO. 3 \$ 320.00

PRIVATE CONTRACT
ENGINEER OF DESIGN
 - ASBUILT - *J.P. McPhee* R.C.E. NO. 1226

PLANS FOR THE IMPROVEMENT OF:
FONTAINE STREET, FONTAINE PLACE, CONESTOGA WAY, MOUND AVENUE, PRINCESS VIEW WAY, PRINCESS VIEW PLACE, LEWISON DRIVE, LEWISON PLACE, LEWISON COURT
IN
PRINCESS GARDENS, UNIT NO. 2.

CITY OF SAN DIEGO		ENGINEERING DEPARTMENT		SHEET 1 OF 9 SHEETS		W.O. NO. 26854	
CHANGE	BY	DATE	APPROVAL	DATE	DATE	DATE	DATE
				Aug 12 1963			
APPROVALS FOR				APPROVALS FOR			
ASBUILT				ASBUILT			
CONSTRUCTION RECORD				CONSTRUCTION RECORD			
DATE STARTED				DATE COMPLETED			
CONTR. Princess Homes Insp. Gallistel				CONTR. Princess Homes Insp. Gallistel			
FIELD BOOK K-14				FIELD BOOK K-14			
				DESIGNED			
				CHECKED			
				SUPERVISOR			
				OFFICE ENGINEER			
				11262-1-D			

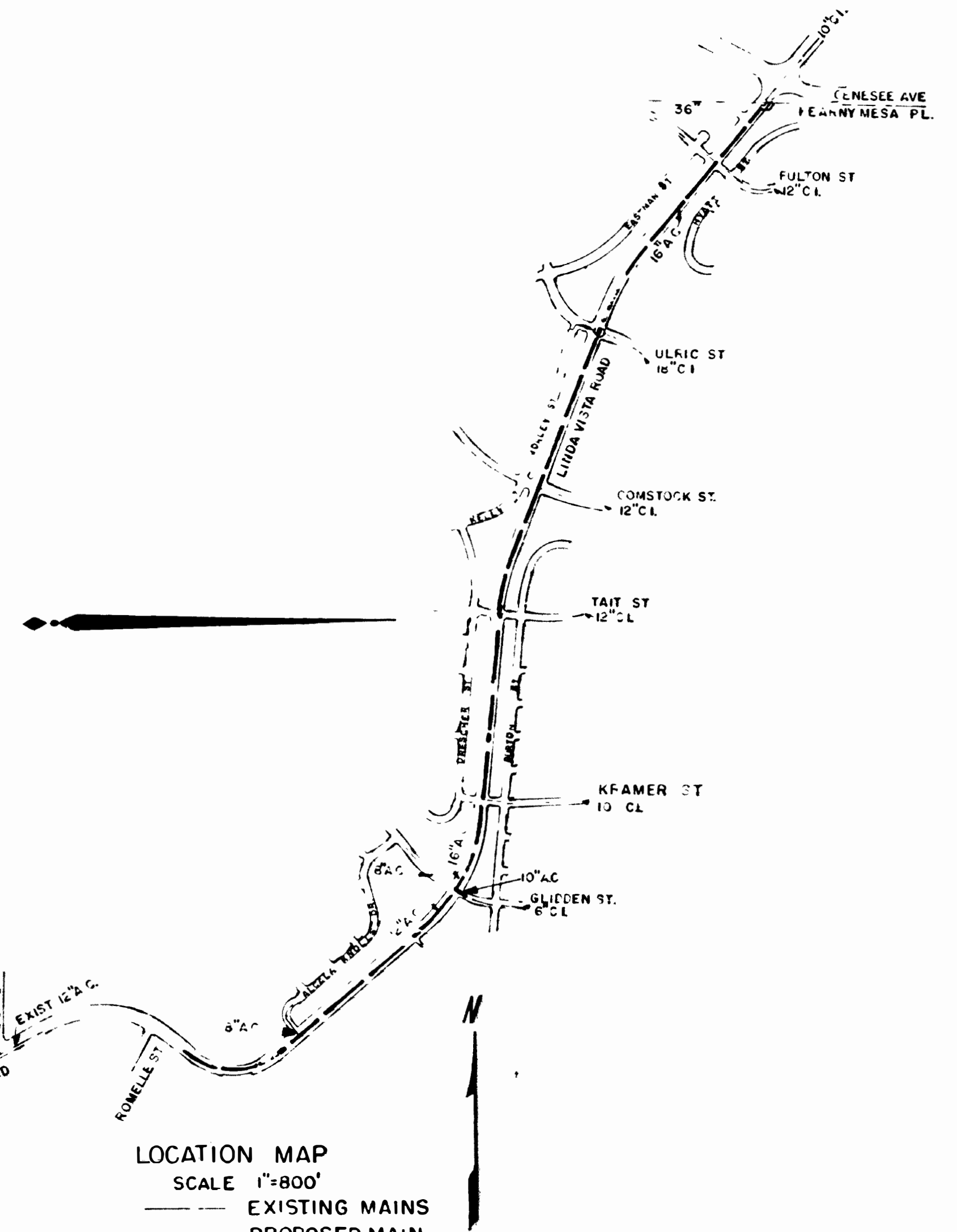
AS BUILT
 JUNE 13 1963



Priority	DRAWING NO	DESCRIPTION	SIZE	LENGTH	MARKING
5	14439-2-D	LINDA VISTA ROAD (95' NLY MORENA BLVD TO 69' WLY GOSHEN ST)	12" AC	3669'	35'
	14439-3-D	LINDA VISTA ROAD Continued			
	14439-4-D	LINDA VISTA ROAD Continued			
4	14439-5-D	LINDA VISTA ROAD (100' SW ALCALA KNOLLS DR TO 252' S GENESSEE AVE)	12" AC	2593'	2595'
3	14439-6&7-D	LINDA VISTA ROAD Continued	12" AC	5885'	5801'
2	14439-8&9-D	LINDA VISTA ROAD Continued	12" AC	50'	52'
1	14439-10&11-D	LINDA VISTA ROAD Continued	10" AC	535'	545'

APPURTENANCES TO BE SHOWN THUS:

IMPROVEMENTS	SYMBOL	LEGEND
WATER MAINS & APPURTENANCES AS SHOWN THUS	A 10, A 26, A 67	--- ---
GATE VALVES WITH B VALVE BOXES AND COVERS AS SHOWN THUS	A 12	--- ---
6" & 8" HYDRANTS & FIRE HYDRANT SERVICES AS SHOWN THUS	A 14, A 15	--- ---
COPPER WATER SERVICE AS SHOWN THUS	A 2, A 21	--- ---
TRANSFER OF COPPER WATER SERVICES AS SHOWN THUS	A 2, A 21	--- ---
CONCRETE CURBS TO BE REINFORCED CONCRETE AS SHOWN THUS	S 21	--- ---
A. C. WATER SERVICES 4" & LARGER AS SHOWN THUS:-	W 11	--- ---
VAULT FOR WATER METER AS SHOWN THUS:-	W 28, W 29, W 32	--- ---
BLOWOFF AS SHOWN THUS:-	A 8	--- ---



REFERENCE: STANDARD SPECIFICATIONS, PART I, SECTION 1.22, DATED APRIL 4, 1969, DOC. 727731.

SPECIAL SPECIFICATION NO 2574

SPECIAL TRAFFIC REQUIREMENTS
MAINTAIN A MINIMUM OF ONE LANE IN EACH DIRECTION AT ALL TIMES ON LINDA VISTA ROAD AND ON ULRIC STREET.

MAJOR STREETS, SECONDARY STREETS AND HIGHWAYS
LINDA VISTA ROAD, MORENA BOULEVARD, NAPA STREET, COLUSA STREET, GLIDDEN STREET, KRAMER STREET, TAIT STREET, COMSTOCK STREET, ULRIC STREET, FULTON STREET AND GENESSEE AVENUE

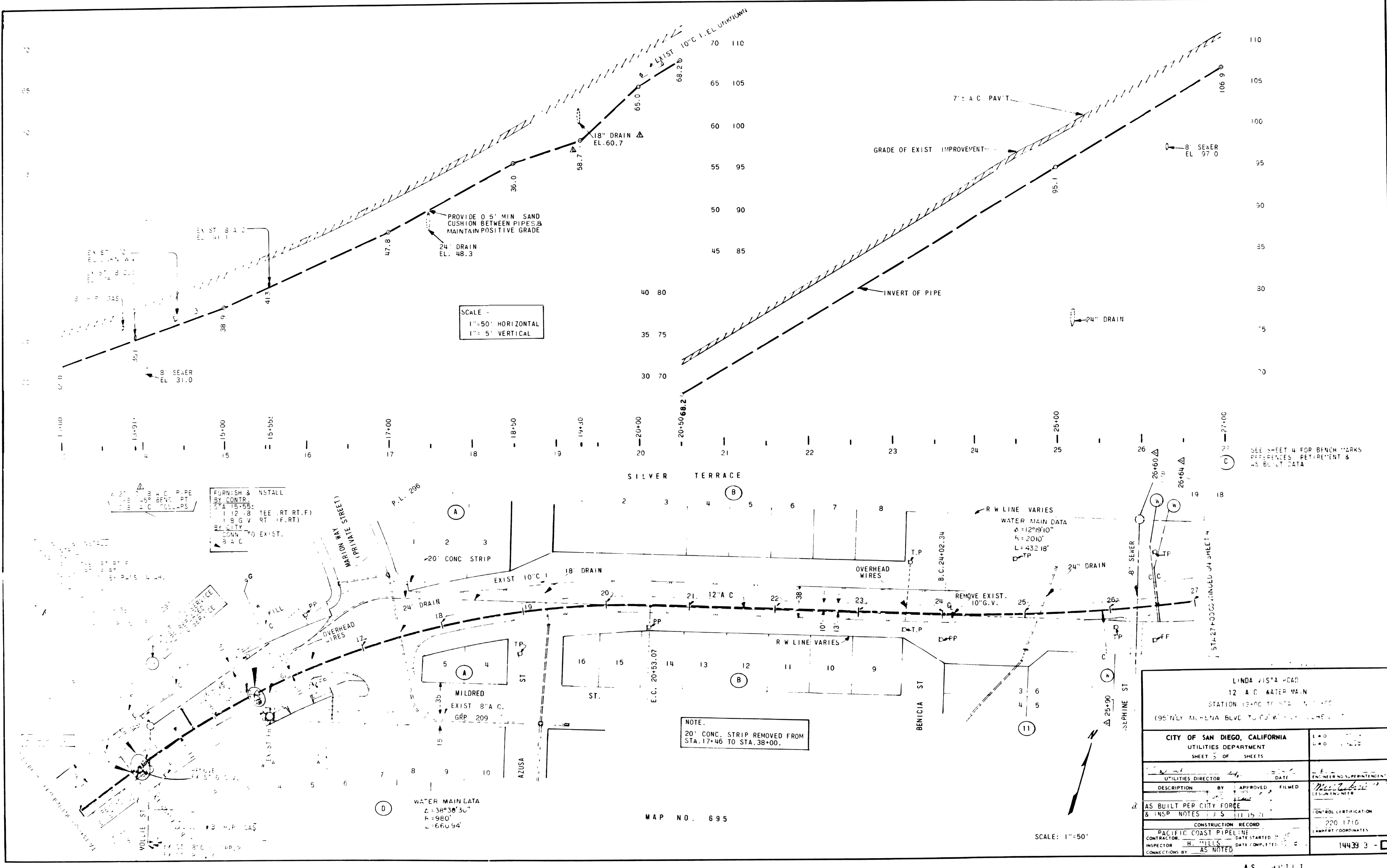
CONSTRUCTED BY PACIFIC COAST PIPELINE
A. O. 24204
CONTR. INC. SANTA ANA
WORK STARTED 4-22-71
WORK COMPLETED 10-18-71
INSPECTOR HERB HILLS
DRAWING NO. 24205

PLANS FOR THE CONSTRUCTION OF WATER MAIN REPLACEMENT IN LINDA VISTA ROAD FROM MORENA BLVD TO GOSHEN ST & FROM ROMELLE ST TO GENESSEE AVE	
CITY OF SAN DIEGO CALIFORNIA UTILITIES DEPARTMENT SHEET 1 OF 11 SHEETS	4-08 8504
REVISIONS	
DESCRIPTION BY DATE	
AS BUILT PER FIELD & INSP. NOTES	J.S. 11 15 71
PACIFIC COAST PIPELINE HILLS	218-1707, 228 1716 4-22-71 10-18-71

LINDA VISTA ROAD

AS BUILT

1:50



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

NOTE:
 20' CONC. STRIP REMOVED FROM
 STA. 17+46 TO STA. 38+00.

MAP NO. 695

SCALE: 1" = 50'

LINDA VISTA ROAD 12" A.C. WATER MAIN STATION 17+00 TO 27+00 (95' NLY MORENA BLVD TO GOSHEN ST.)	
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 5 OF SHEETS	LEAD C.D. 1220
UTILITIES DIRECTOR	DATE
DESCRIPTION	BY APPROVED FILED
AS BUILT PER CITY FORCE & INSP. NOTES	CONTRACTOR'S RECORD
PACIFIC COAST PIPELINE CONTRACTOR: H. HILL INSPECTOR: H. HILL CONNECTIONS BY: AS NOTED	DATE STARTED: 11/15/71 DATE COMPLETED: 11/15/71 LAWYER COORDINATES 220 1710 14433 3 - D

LINDA VISTA ROAD (MORENA BLVD. TO GOSHEN ST.)

SEE SHEET 4 FOR BENCH MARKS
 REFERENCES, PERMITMENT &
 AS BUILT DATA

AS BUILT



WORK TO BE DONE
 THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE FOLLOWING STANDARD DRAWINGS AND SPECIFICATIONS OF THE CITY OF SAN DIEGO:

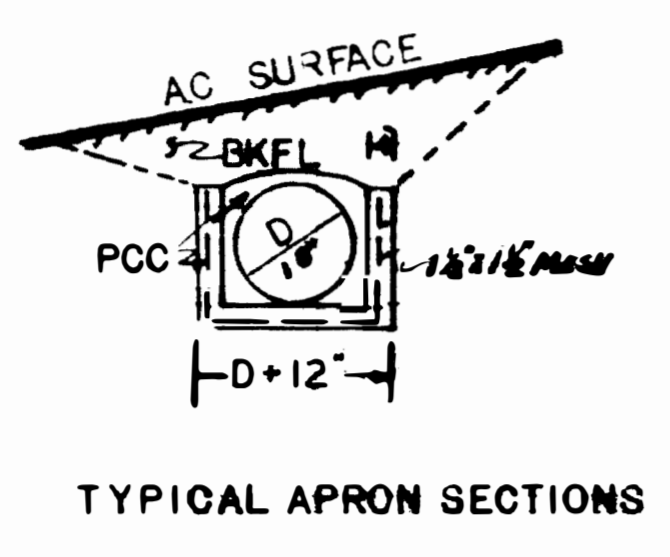
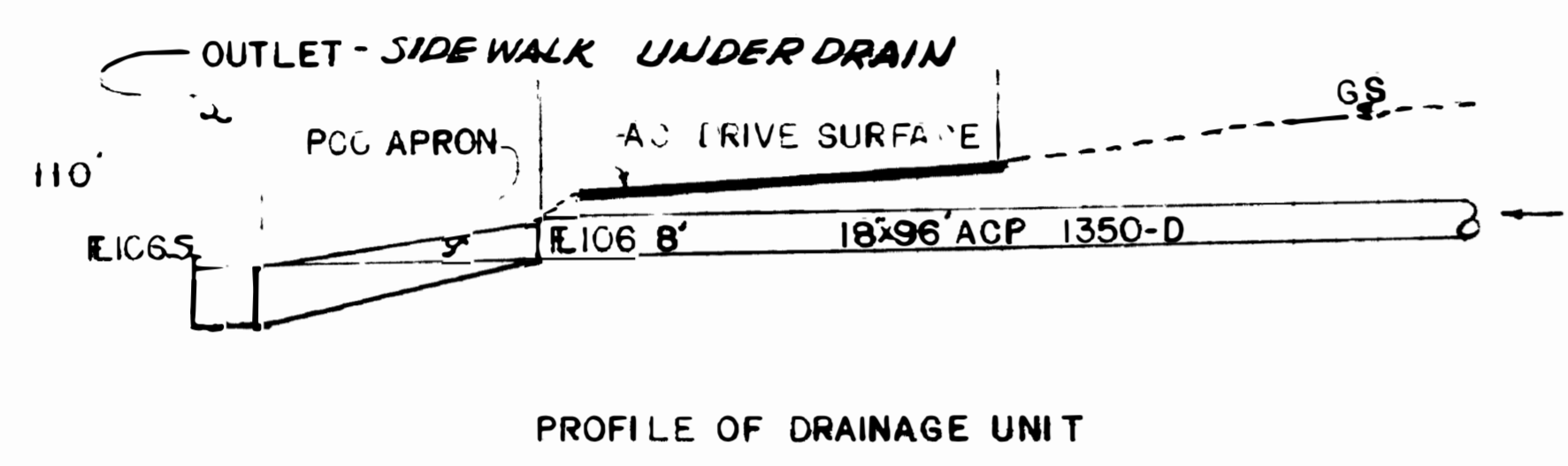
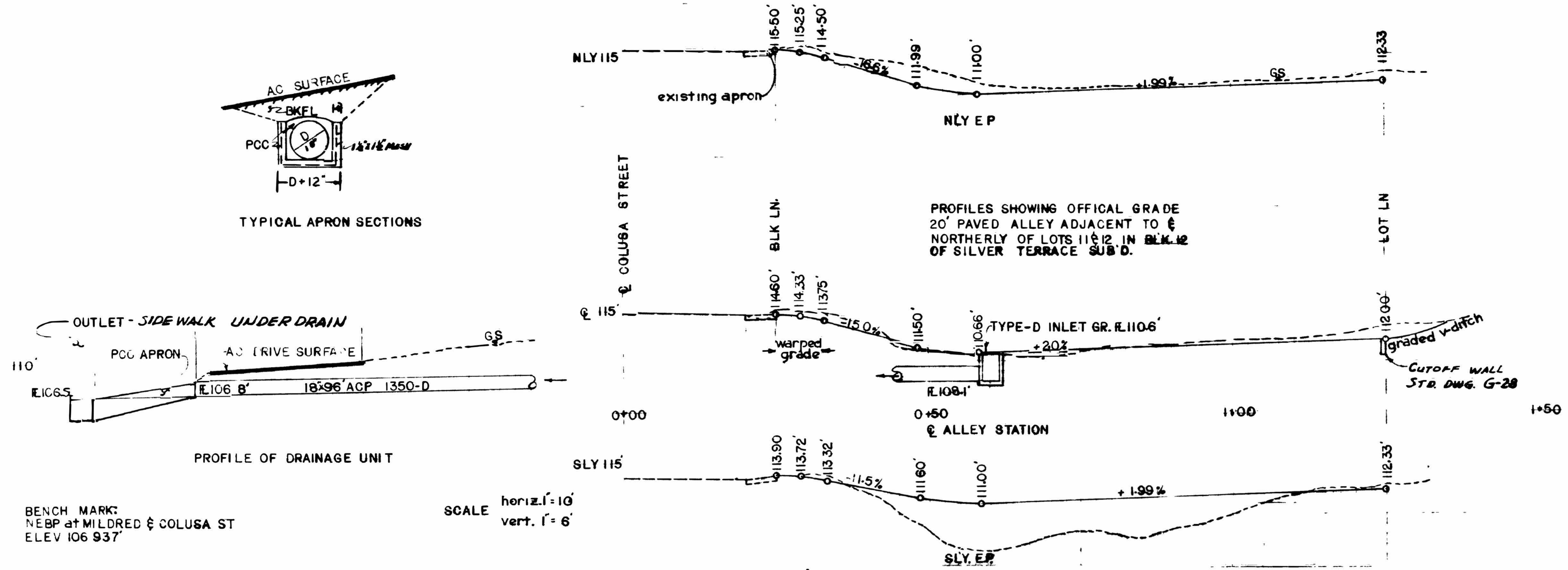
SPECIFICATIONS
 CITY OF SAN DIEGO STANDARD SPECIFICATION, DOCUMENT NO 727731 FILED APRIL 14, 1969.

STANDARD DRAWINGS
 VOLUME 1971 DOCUMENT NO. 735691 FILED APRIL 26 1971.
 SPECIAL CONDITIONS NO P-18 REVISED SEPT 28 1969.

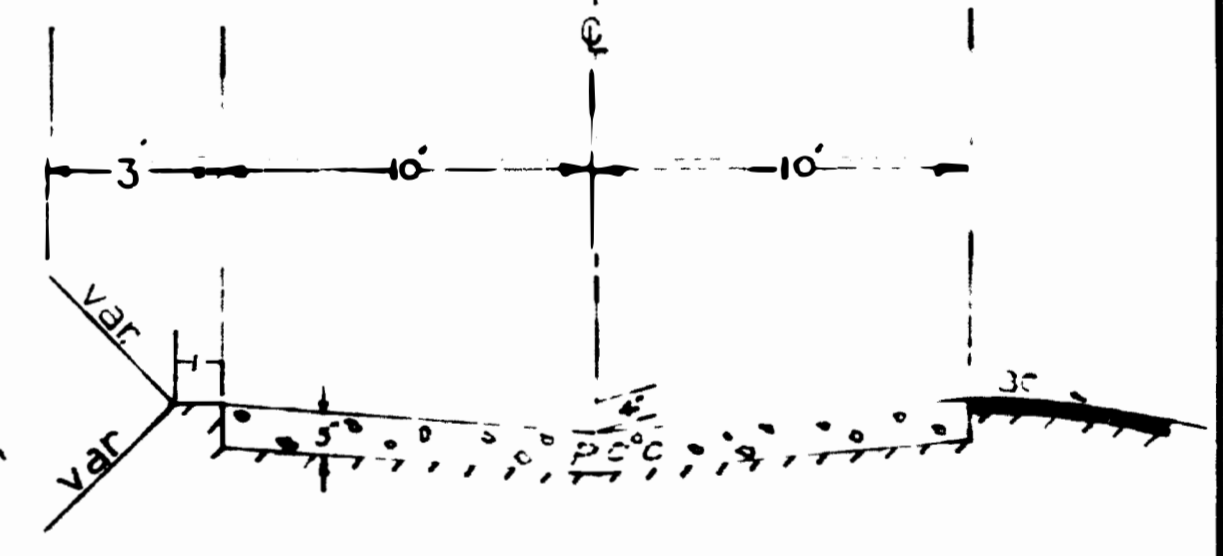
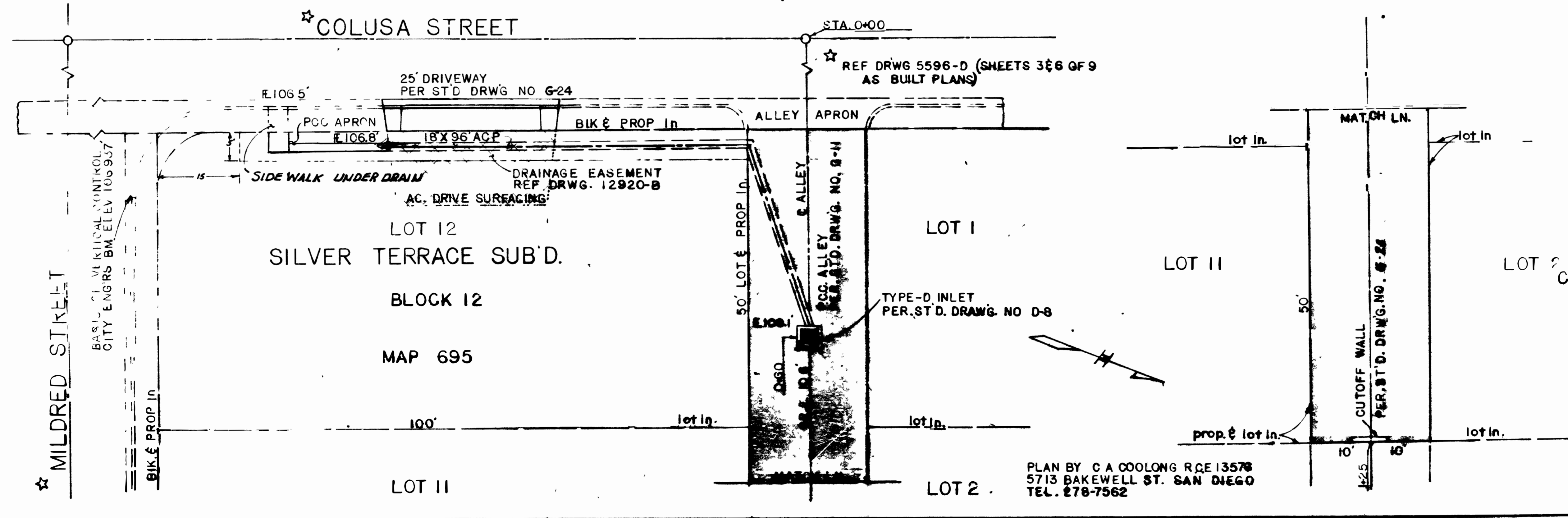
REFERENCE DRAWINGS
 5596-D, AS BUILT PLANS MILDRED COLUSA ST 15366-D LAND DEVELOPMENT PLAN LOTS 11&12 12920-B DRAINAGE EASEMENT

NOTES
 ELECTRICAL AND TELEPHONE SERVICE FACILITIES SHALL BE INSTALLED UNDERGROUND IN ACCORDANCE WITH ORDINANCE NO. 10664-NS

BEFORE EXCAVATING VERIFY LOCATION OF UNDERGROUND UTILITIES	CONTACT
GAS & ELECTRIC CO	232-4252 EXT 1858
TELEPHONE CO & FIRE ALARM	298-0595
WATER & SEWER	236-5650
COMMUNICATIONS DIVISION	236-9086



BENCH MARK NEBP at MILDRED & COLUSA ST ELEV 106.937
 SCALE horiz. 1"=10' vert. 1"=6'



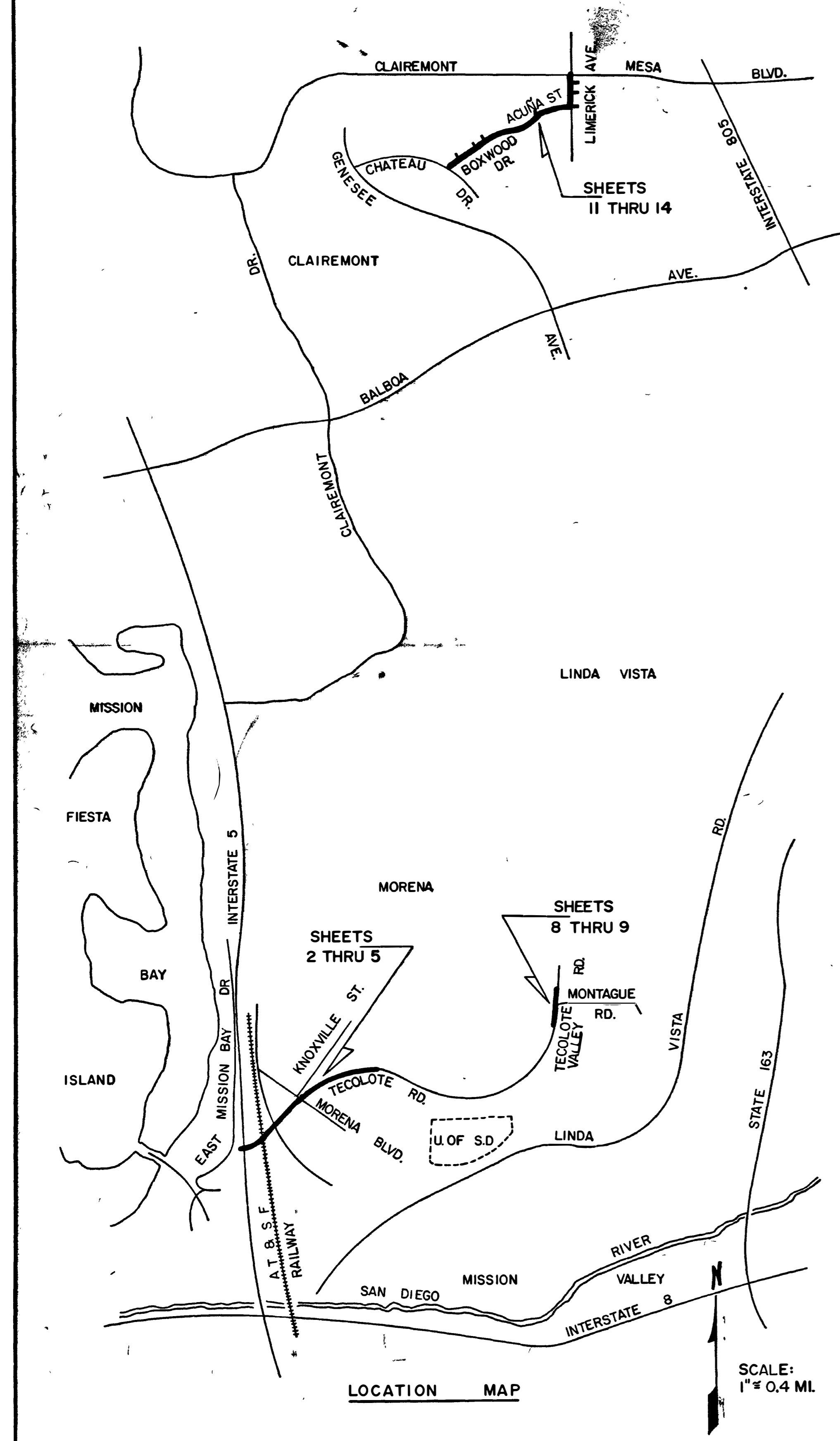
TYPICAL ALLEY SECTION
 PRIVATE CONTRACT P-10891
 CITY ENGINEER'S APPLICATION NO 4823

PLAN FOR THE IMPROVEMENT OF THE ALLEY IN BLOCK 12, SILVER TERRACE SUB'D	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET OF 2 SHEETS	W.O. NO. 20020
APPROVED BY: <i>[Signature]</i> 6/20/72	DESIGNED BY: <i>[Signature]</i>
ORIGINAL BY: <i>[Signature]</i> 7/7/72	CHECKED BY: <i>[Signature]</i> 6/20/72
CONTRACTOR: <i>[Signature]</i> DATE STARTED: 8-23-72	220-1711
INSPECTOR: <i>[Signature]</i> DATE COMPLETED: 8-30-72	15366-1 TD

PLAN BY: C.A. COOLONG RQE 13578
 5713 BAKWELL ST. SAN DIEGO
 TEL. 278-7562

AS BUILT

TECOLOTE CANYON TRUNK SEWER



SPECIFICATIONS AND DRAWINGS:

CITY OF SAN DIEGO SPECIAL SPECIFICATION NO. 4114
 CITY OF SAN DIEGO STANDARD SPECIFICATIONS, DOCUMENT NO. 727731, FILED APRIL 14, 1969.
 CITY OF SAN DIEGO STANDARD DRAWINGS, DOCUMENT NO. 735691, FILED APRIL 26, 1971.
 STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, JAN. 1975.

TRAFFIC REQUIREMENTS:

STANDARD SPECIFICATIONS, CITY OF SAN DIEGO DOCUMENT 727731, DATED APRIL 14, 1969, SEC. 1.22. SEE SECTION C-16 OF THE SPECIAL SPECIFICATIONS FOR MODIFICATIONS.

MAINTAINING TRAFFIC— THE CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION DURING WORKING HOURS OF 8:30 AM TO 3:30 PM AND SHALL MAINTAIN FULL WIDTH OF ALL TRAVEL LANES OF EXISTING ROADWAY DURING THE HOURS OF 3:30 PM AND 8:30 AM. ON SATURDAYS, SUNDAYS AND DESIGNATED LEGAL HOLIDAYS AND WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS ON WORKING DAYS, THE CONTRACTOR SHALL MAINTAIN ALL TRAVEL LANES OF THE ROADWAY.

DETOUR AND WARNING SIGNS— DETOUR AND WARNING SIGNS SHALL CONFORM TO SECTION 1.22 STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ADEQUATE DETOUR AND WARNING SIGNS.

SPECIAL CONDITIONS:

TECOLOTE ROAD— CONTRACTOR SHALL MAINTAIN ONE LANE WESTBOUND DURING WORKING HOURS AND NO SPOIL ON ROADWAY.

MORENA BLVD.— CONTRACTOR SHALL MAINTAIN ONE LANE EACH DIRECTION DURING WORKING HOURS WITH FLAGMAN.

CLAIREMONT MESA— CONTRACTOR SHALL NOT WORK IN CLAIREMONT MESA BLVD. BLVD. BEFORE 9:00 AM AND SHALL MAINTAIN ONE LANE DURING WORKING AND FULL TRAVEL-WAY DURING NON-WORKING HOURS.

CONTRACTOR SHALL SUBMIT A PLAN FOR DIVERTING TRAFFIC TO THE ENGINEER FOR TRAFFIC OPERATIONS' APPROVAL AT LEAST TWO DAYS BEFORE ANY CHANGE IN TRAFFIC PATTERNS.

MAJOR AND SECONDARY STREETS:

PAVEMENT REPLACEMENT FOR THE FOLLOWING STREETS OF THIS PROJECT SHALL BE NOT LESS THAN 7 INCHES IN THICKNESS PER CITY STD. SPEC., SEC. 202.07.
 CLAIREMONT MESA BLVD. ACUÑA ST. CHATEAU DR. MORENA BLVD.
 LIMERICK AVE. BOXWOOD DR. TECOLOTE RD.

DATUM: MEAN SEA LEVEL

GENERAL NOTES:

- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES 48 HOURS PRIOR TO STARTING WORK NEAR THEIR FACILITIES AND SHALL COOPERATE WITH THEM:
 SOUTHWESTERN CABLE CO. PHONE 560-4373
 SAN DIEGO GAS & ELECTRIC CO. 232-4252 EXT. 1658
 PACIFIC TEL. & TEL. CO. 298-0595
 U.S. NAVAL FUEL PIPELINE 225-6694
 CITY TRAFFIC SIGNALS & STREET LIGHTS 236-5505
 CITY WATER & SEWER 236-5600
- ALL MANHOLES OF THE MIDDLE AND LOWER REACHES SHALL BE TYPE "C". ALL EXCEPT ONE OF THESE MANHOLES SHALL HAVE LOCKING COVERS. THE INTERIOR SURFACES OF THREE OF THESE MANHOLES SHALL BE LINED WITH LINER PLATE.
- AT THE UPPER REACH, MANHOLES SHALL BE THE STANDARD TYPE. SEWER LATERALS ARE VITRIFIED CLAY P.V.C. Δ
- ALL TYPE "C" MANHOLES ON THIS PROJECT SHALL BE CONSTRUCTED WITH A 3 FOOT BY 5 FOOT ECCENTRIC CONE WITH THE VERTICAL WALL ON THE UPSTREAM SIDE OF THE MANHOLE.

WORK TO BE DONE IMPROVEMENTS	SCHEDULE	LEGEND
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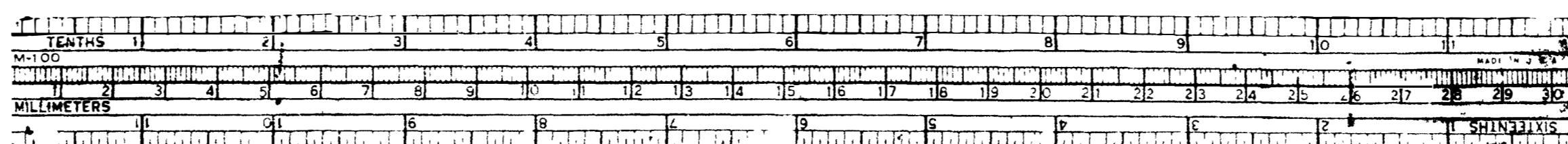
SEWER MAIN	S-1	15" VC Δ
CONCRETE MANHOLE, STANDARD	S-8, M-23	M.H. NO. 14
CONCRETE MANHOLE, TYPE "C"	M-23, S-29, M-6, M-54	M.H. NO. 1 TYPE "C"
MANHOLE TO BE ABANDONED	NONE	
CONCRETE PROTECTION FOR EXISTING SEWER	S-24	
CONCRETE ENCASEMENT	S-5	
CONCRETE BACKFILL	S-28	
TUNNELING OR JACKING	NONE	
STORM DRAIN	D-3	24" RCP DRAIN
STORM DRAIN HEADWALL	D-9, D-31	
PIPE TO CHANNEL CONNECTION	D-9, D-39	
STORM DRAIN CLEANOUT	D-4, D-9, D-11, M-23, M-39, M-54	
SEWER LATERAL EXTENSION	S-22	
SEWER LATERAL CONNECTION	S-22	
CONCRETE MONUMENT (4)	M-21-T	
CONCRETE CRADLE	S-3	

ADDITIONAL IMPORTED CLASS "A" BACKFILL AS DIRECTED BY THE ENGINEER.
 ADDITIONAL IMPORTED CLASS "B" BACKFILL AS DIRECTED BY THE ENGINEER.
 FOUNDATION ROCK AS DIRECTED BY THE ENGINEER.

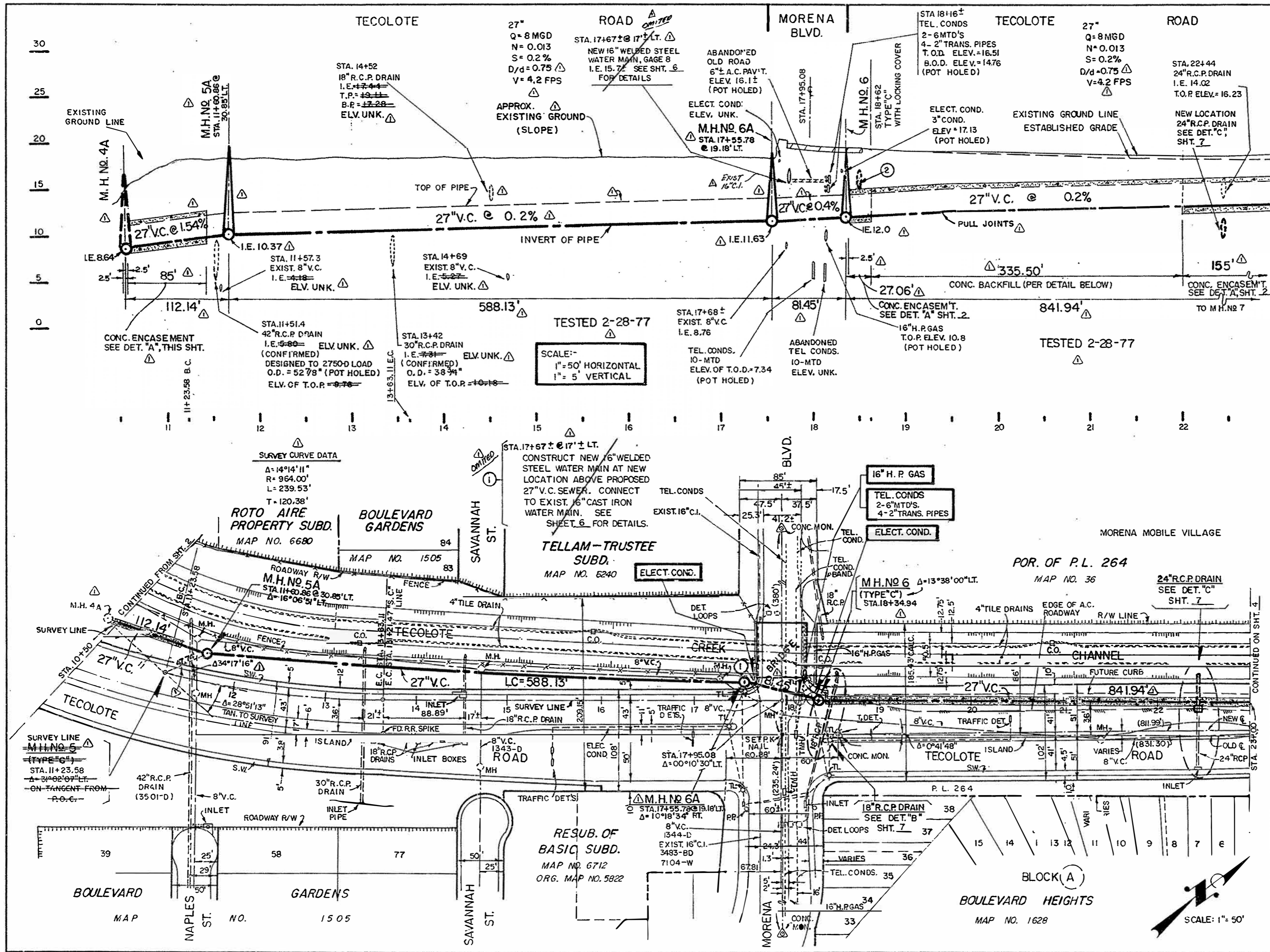
CITY CONTRACT C.I.P. NO. 43-120(6)

TECOLOTE CANYON TRUNK SEWER			
TECOLOTE RD.		LIMERICK AVE.	
TECOLOTE VALLEY RD.		ACUÑA ST.	
		BOXWOOD DR.	
		CHATEAU DR.	
CITY OF SAN DIEGO, CALIFORNIA		E.V.O. 147057	
UTILITIES DEPARTMENT		U.W.O. 65861	
SHEET 1 OF 14 SHEETS			
UTILITIES DIRECTOR		DATE	
ENGINEERING SUPERINTENDENT		DESIGN ENGINEER	
DESCRIPTION	BY	APPROVED	FILED
ORIGINAL	JEC	2/1/76	2/1/76
AS BUILT	JEC	2/22/77	
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
CONTRACTOR WALCON CONST. CO. DATE STARTED 6-16-76		220-1705	
INSPECTOR H. MILLS, STUBAK DATE COMPLETED 8-22-77		LAMBERT COORDINATES	
CONNECTIONS BY:		16651-1-D	

AS BUILT



TECOLOTE CANYON TRUNK SEWER

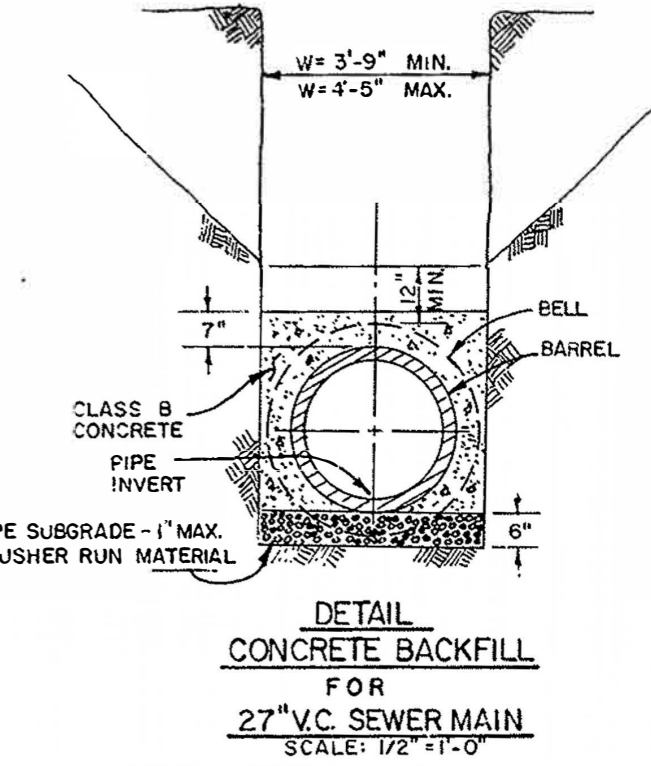


② STA. 18+50.49
18" R.C.P. DRAIN
T.O.P. ELEV. = 16.13
(POT HOLED)
NEW LOCATION
SEE DET. "B",
SHT. 7

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

BENCH MARK: (MEAN SEA LEVEL DATUM)
B.M. NW8R, MORENA & KNOXVILLE
ELEV. 15.073

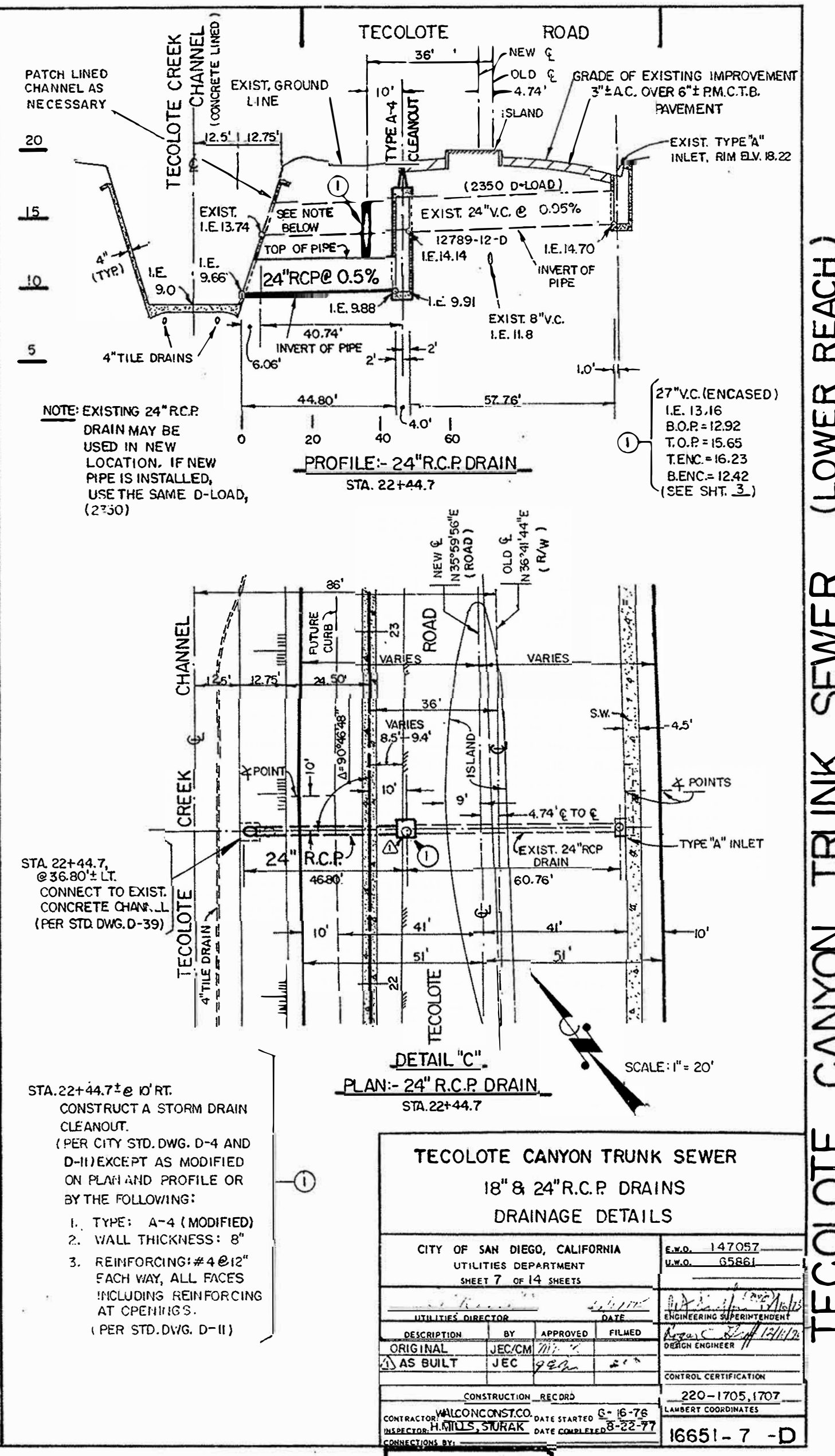
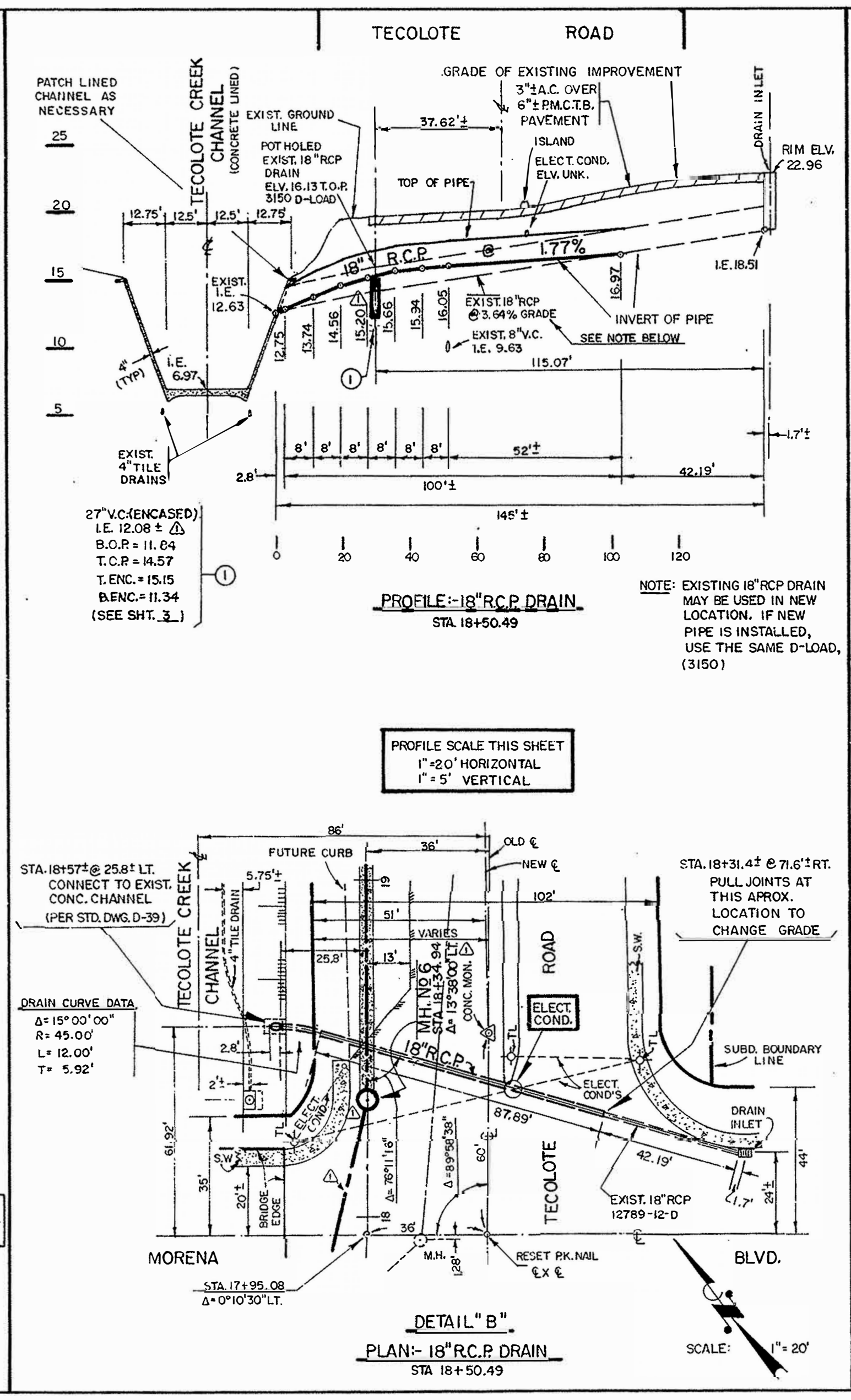
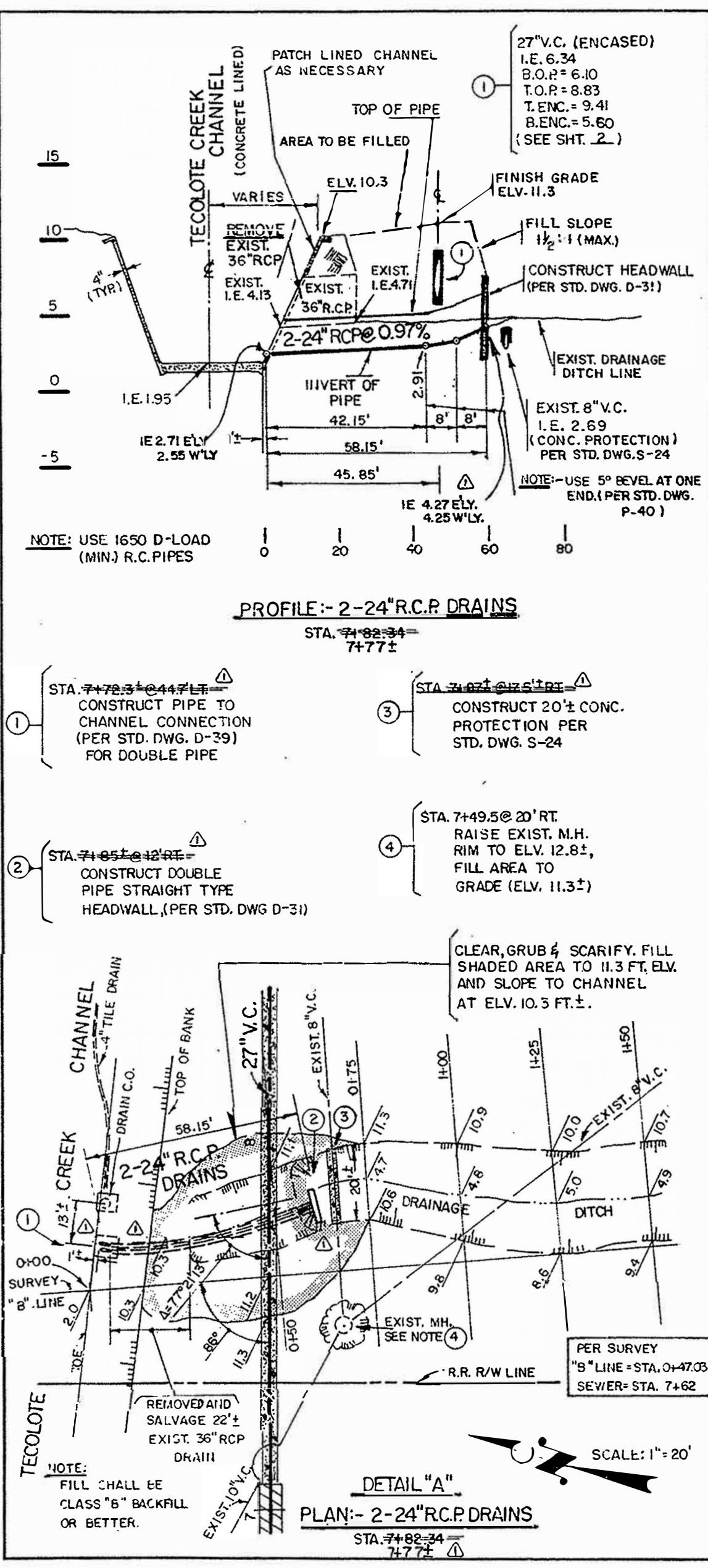
NOTE: - FOR IMPROVEMENT DWGS, REFERENCES,
FIELD NOTES, ETC., SEE SHEET 5



TECOLOTE CANYON TRUNK SEWER 27" V.C. SEWER MAINS TECOLOTE ROAD - N.E. & S.W. OF MORENA BLVD.	
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 3 OF 14 SHEETS	E.W.D. 147057 U.W.D. 65861
UTILITIES DIRECTOR	DATE 10/17/75
DESIGNER	ENGINEERING SUPERINTENDENT
DESCRIPTION	BY APPROVED FILMED
ORIGINAL JEC/CM	2/21/76
AS BUILT JEC	2/21/76
CONSTRUCTION RECORD	CONTROL CERTIFICATION
CONTRACTOR: WALCON CONST CO	DATE STARTED: 8-16-76
INSPECTOR: H. MILLS, STUBAK	DATE COMPLETED: 8-22-77
CONNECTIONS: BY	LAMBERT COORDINATES
	220-1707
	16651-3-D

AS BUILT

TECOLOTE CANYON TRUNK SEWER (LOWER REACH)



TECOLOTE CANYON TRUNK SEWER 18" & 24" R.C.P. DRAINS DRAINAGE DETAILS			
CITY OF SAN DIEGO, CALIFORNIA UTILITIES DEPARTMENT SHEET 7 OF 14 SHEETS		E.D. 147057 U.N.O. 65861	
UTILITY DIRECTOR	DATE	ENGINEERING SUPERINTENDENT	
DESCRIPTION	BY	APPROVED	FILED
ORIGINAL	JEC/CM		
AS BUILT	JEC		
CONSTRUCTION RECORD		CONTROL CERTIFICATION	
CONTRACTOR: WALCONCONCO. DATE STARTED: 6-16-76		220-1705, 1707	
INSPECTOR: H. HILLS, STURAK. DATE COMPLETED: 8-22-77		LAMBERT COORDINATES	
CONNECTIONS BY:		16651-7 -D	

AS BUILT

TECOLOTE CANYON TRUNK SEWER (LOWER REACH)

GENERAL NOTES

- UNDERGROUND UTILITIES: THE CONTRACTOR SHALL NOTIFY SAN DIEGO GAS AND ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR COMPANY UTILITIES AND SHALL COORDINATE HIS ACTIVITIES WITH THE COMPANY REPRESENTATIVE. BEFORE EXCAVATING FOR THIS CONTRACT, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY TELEPHONING THE FOLLOWING:
 - A) GAS & ELECTRIC CO. 235-6323
 - B) TELEPHONE CO. & FIRE ALARM 298-0595
 - C) WATER AND SEWER 236-5650
 - D) COMMUNICATIONS 236-5505
 - E) BUILDINGS AND IRRIGATION 236-5500
- EXISTING WORK: THE LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION.
- CEMENT TREATED BASE: PRIOR TO MIXING WITH CEMENT AND WATER, ALL MINERAL AGGREGATE USED FOR PRODUCTION OF CEMENT TREATED BASE SHALL HAVE A SAND EQUIVALENT OF NOT LESS THAN 30 WHEN TESTED BY CALIFORNIA DIVISION OF HIGHWAYS TEST NUMBER 217.
- PROTECTION OF EXISTING UTILITIES: THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE PLANS AND ANY OTHER LINES WHICH MAY NOT BE OF RECORD NOR SHOWN ON THESE PLANS. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS AS REQUIRED TO MEET EXISTING CONDITIONS.
- THE CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION DURING WORKING HOURS OF 8:30 AM TO 3:30 PM AND SHALL MAINTAIN FULL WIDTH OF TRAVEL LANES OF EXISTING ROADWAY DURING THE HOURS OF 3:30 PM AND 8:30 AM ON SATURDAY, SUNDAY AND DESIGNATED LEGAL HOLIDAYS, AND WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS ON WORKING DAYS THE CONTRACTOR SHALL MAINTAIN ALL TRAVEL LANES OF THE ROADWAY. ANY DEVIATION OF THESE REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 7-10.3 OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR AND PAY ALL COST OF ELECTRICAL SERVICE SHOWN HEREON.
- ASPHALTIC CONCRETE PER CITY OF SAN DIEGO SPEC. 400-4.3 TYPE III CLASS C2 AR 4000, ASPHALT 6.2%.

WORK TO BE DONE

- THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE SPECIFICATIONS AND STANDARD DRAWINGS OF THE CITY OF SAN DIEGO.
- SPECIFICATIONS
- STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, 1979 EDITION, DOCUMENT NO. 766725, FILED JULY 9, 1979.
 - STANDARD SPECIAL PROVISIONS, 1979 EDITION (REGIONAL STANDARD SPECIAL PROVISIONS), DOCUMENT NO. 767381, FILED JULY 11, 1979.
 - CITY OF SAN DIEGO STANDARD SPECIAL PROVISIONS, DOCUMENT NO. 767246, FILED SEPTEMBER 20, 1979.
 - CALIFORNIA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROLS, WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS," DATED 1977, DOCUMENT NO. 767526, FILED JANUARY 21, 1980.
- STANDARD DRAWINGS
- CITY OF SAN DIEGO STANDARD DRAWINGS, DOCUMENT NO. 767694, FILED MAY 9, 1980.
- GRADING AS SHOWN ON THESE PLANS AND IN CONFORMANCE WITH THE CITY STANDARD DRAWING SDL-101 AND SDL-102 CURRENT STANDARD SPECIFICATIONS AND DIVISION 4, SECTION 62 OF THE SAN DIEGO MUNICIPAL CODE.
 - PLANTING AND IRRIGATION OF ALL CUT AND FILL SLOPES IS SHOWN ON THESE PLANS AND CONFORMS TO THE REQUIREMENTS OF DIVISION 4, SECTION 62 OF THE SAN DIEGO MUNICIPAL CODE AND THE CITY ENGINEER'S SPECIFICATION FOR LANDSCAPING AND IRRIGATION FOR LAND DEVELOPMENT DOCUMENT 746395, FILED FEBRUARY 20, 1974.
 - A SEPARATE PLUMBING PERMIT WILL BE REQUIRED FROM THE BUILDING INSPECTION DEPARTMENT FOR THE INSTALLATION OF THE IRRIGATION SYSTEM SHOWN ON THIS DRAWING.
 - CONSTRUCT STANDARD DRIVEWAYS. DWS. NO. 6-14.
 - ALL FILL MATERIAL SHALL BE COMPACTED TO 90% OR BETTER AND REPORTS SUBMITTED TO THE RESIDENT ENGINEER PRIOR TO ACCEPTANCE OF WORK.

ITEM	STD DWG.	SYMBOL
A.C. PAVING AND CTB	SDS-104	
6" OR 8" TYPE '6' CURB	G-2	
4" P.C.C. SIDEWALK	G-7	
6" CURB	G-1	
P.C.C. DRIVEWAY	G-14	
CURB OUTLET	D-26	
SLOPE BANK (1/2:1 MAX)		
STREET LIGHT (150 W. WPS)	E-1	
METAL BEAM GUARD RAIL	M-7, M-8	
GATE	SEE DETAIL 'A'	
STREET LIGHT TRENCHING & CONDUIT		
2" GALV. RAIL FENCE		

STREET LIGHTS

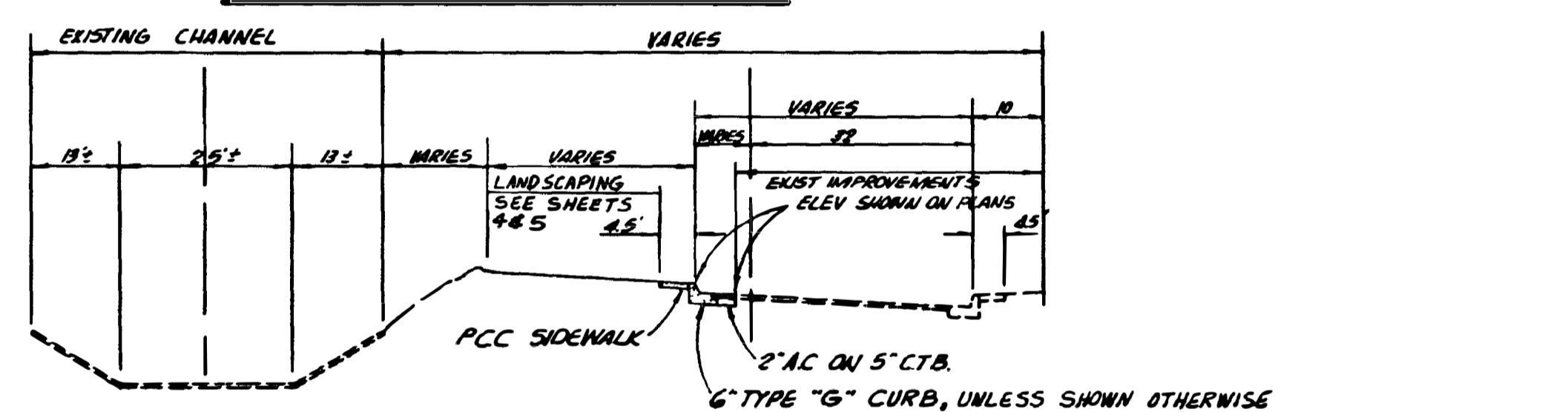
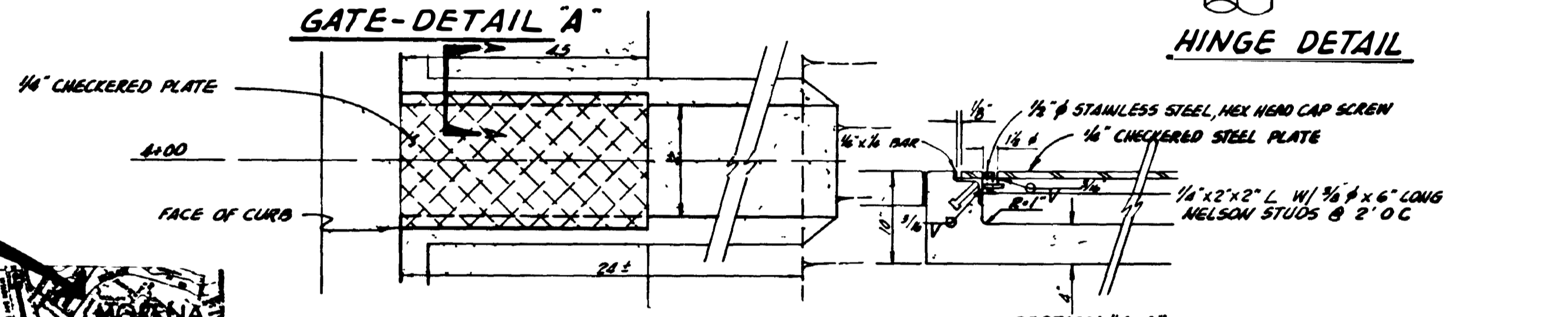
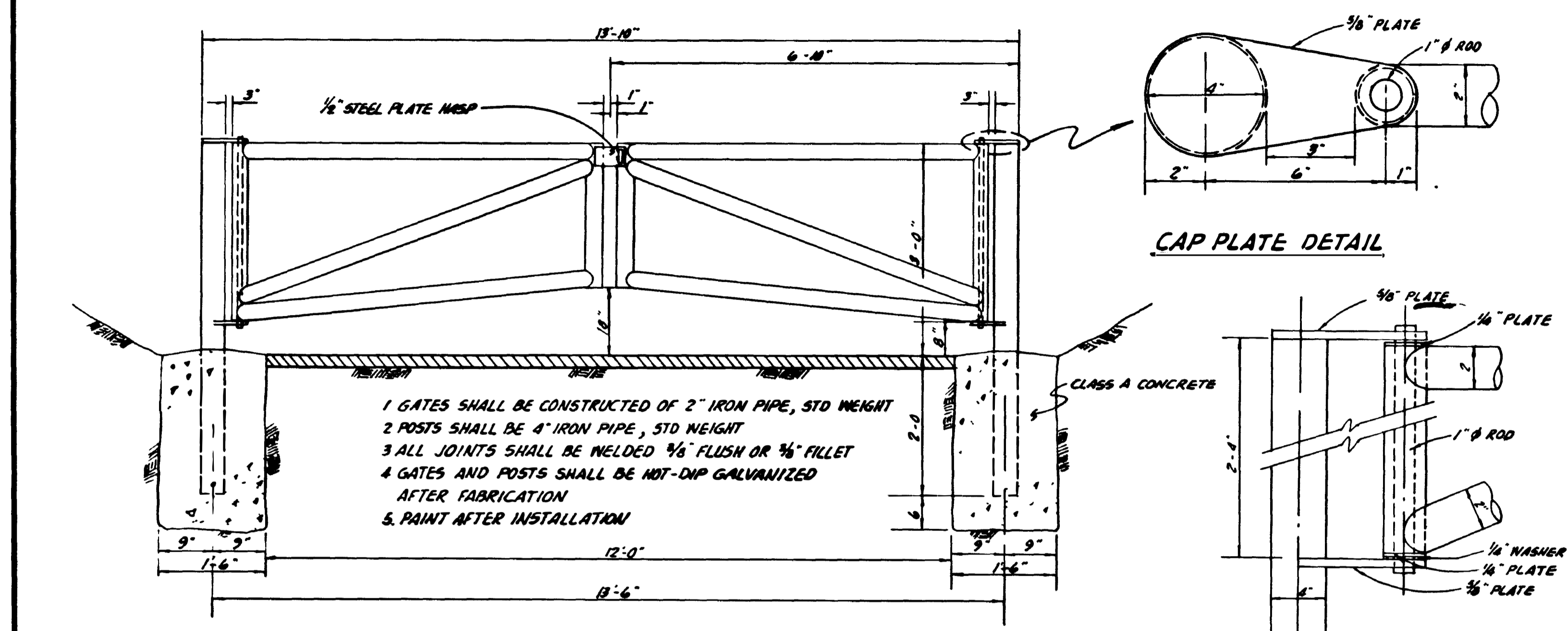
ONE (1) 90 WATT LOW PRESSURE SODIUM VAPOR (LPS) ROADWAY LUMINAIRE ON TYPE 15 STEEL STANDARD AT STATION 5 + 20

REPLACE EXISTING LIGHT STANDARD LUMINAIRE AT STATION 12 + 33.5 WITH A 90 WATT LOW PRESSURE SODIUM VAPOR (LPS) ROADWAY LUMINAIRE

LOW PRESSURE SODIUM ROADWAY LUMINAIRES SHALL BE NORELCO TYPE SRP 90 WATT 120/240 VOLT OR EQUAL

DEDUCTIVE ALTERNATIVES

DEDUCTIVE ALTERNATIVE #1: DELETE 4' WIDE P.C.C. SIDEWALK BETWEEN STATION 0+51.5 TO STATION 12+05.76.



REFERENCE DRAWINGS

- SANITARY SEWERS: 12789-8-D
16651-3-D
16651-4-D
- STORM DRAINS: 16651-7-D
4945-D
- SURFACE IMPROVEMENTS: 12789-10-D
12789-11-D
12789-12-D
18086-3-D

TYPICAL SECTION TECOLOTE ROAD
NO SCALE

SURVEY DATA

BY CITY OF SAN DIEGO ENGINEERING DEPT. (18PR) DATED SEPTEMBER 22, 1981, W.O. NO. 117957.

BENCHMARK

E.B.P. MORENA BLVD. AND TECOLOTE ROAD. ELEVATION 23.593 M.S.L.

EXCAVATION

CUT = 850 CY
FILL = 2 CY
EXPORT = 850 CY

BASIS OF BEARINGS

CENTERLINE OF TECOLOTE ROAD AS SHOWN ON DEDICATION DRAWING NO. 12928-1-D, IE. N 35° 57' 56" E

SITE ADDRESS

INTERSECTION OF MORENA BLVD. AND TECOLOTE ROAD.

OWNER-DEVELOPER

PARK AND RECREATION DEPARTMENT THE CITY OF SAN DIEGO BALBOA PARK SAN DIEGO, CALIFORNIA (714) 236-6059



ENGINEER OF RECORD
SNIPES-DYE ASSOCIATES
CIVIL ENGINEERS AND LAND SURVEYORS
2800 ORCHARD STREET, LEON GROVE, CA 92024
TELEPHONE (714) 697-8234

James N. Paul 48-81
RCE 28924

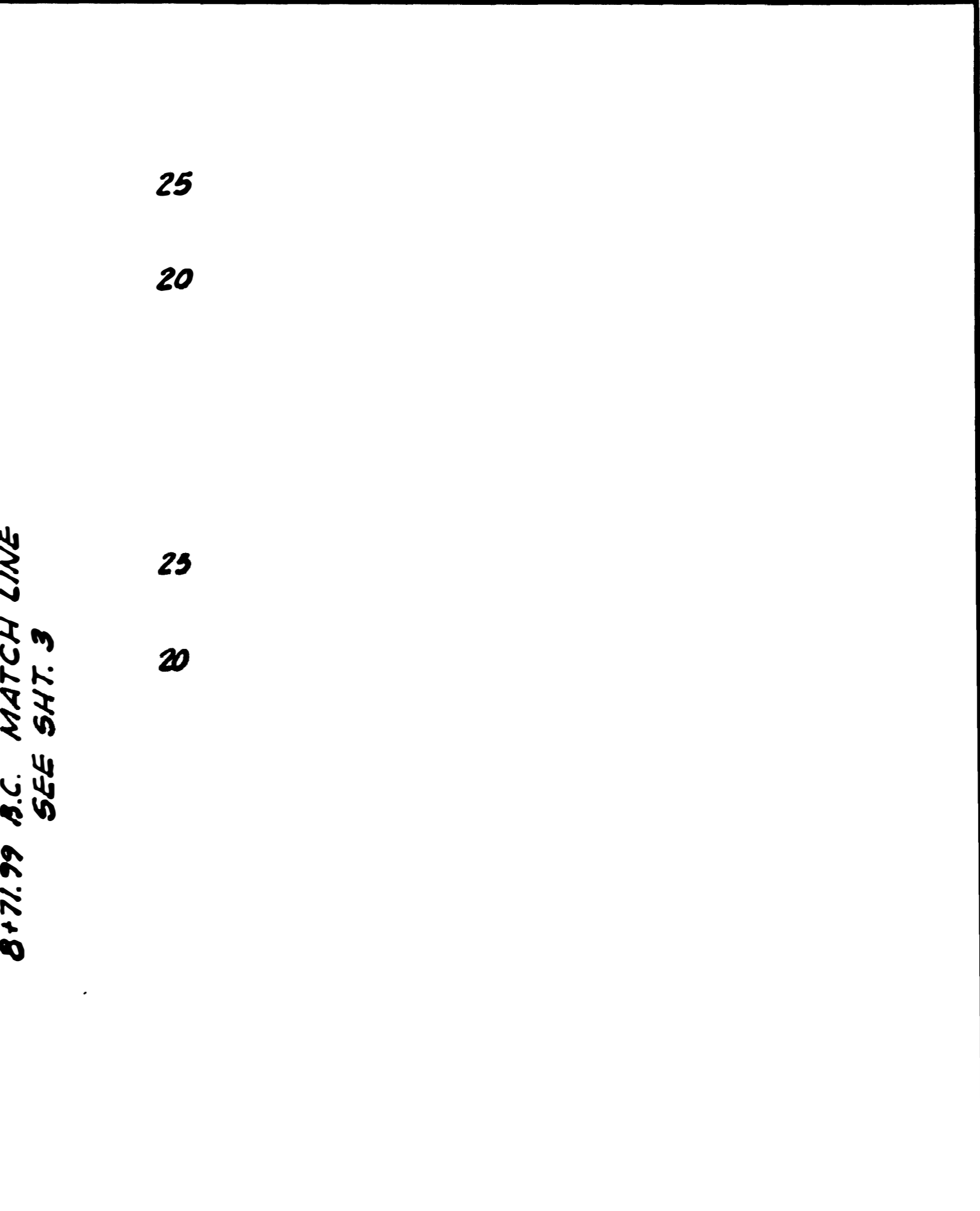
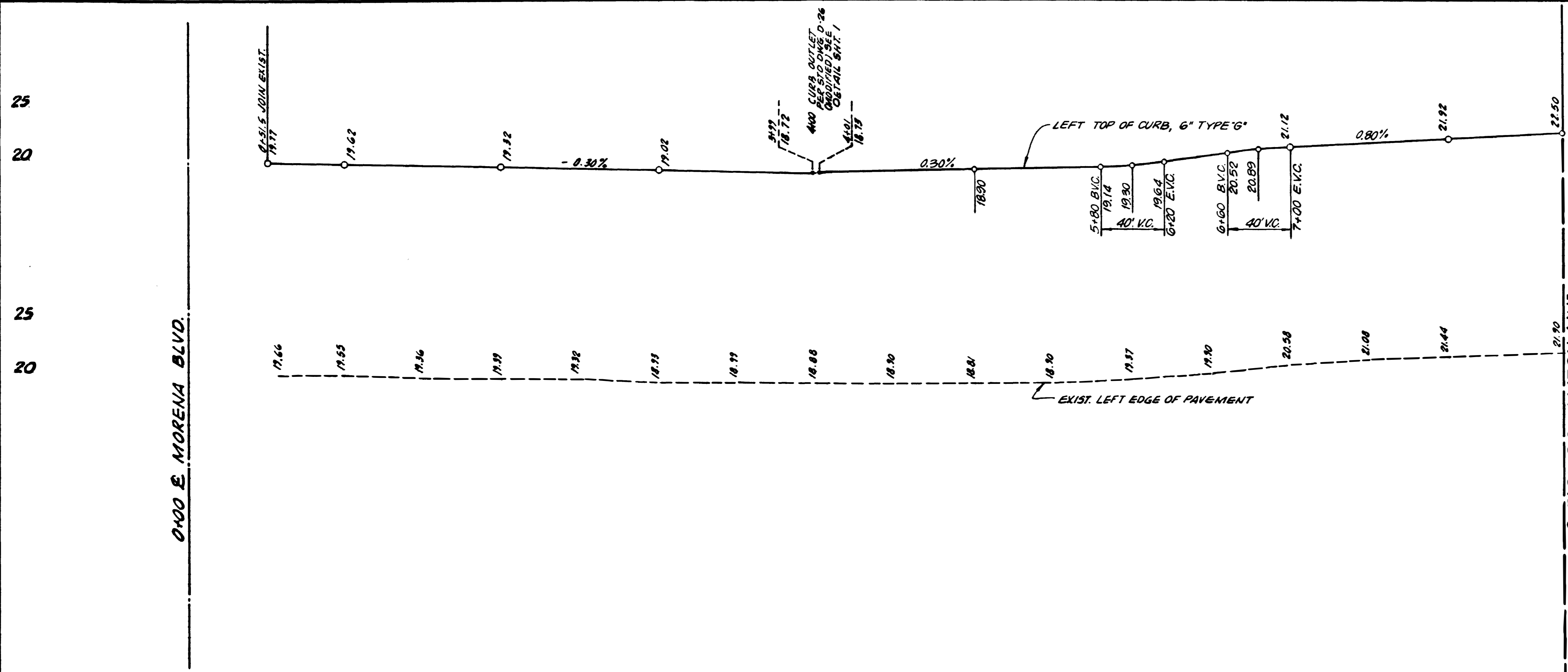
SPECIAL SPECIFICATION NO. 4956
CIP No. 23-119
CITY CONTRACT

COVER SHEET
PLANS FOR THE CONSTRUCTION OF:
TECOLOTE PARK
ADDITIONAL IMPROVEMENTS

CITY OF SAN DIEGO, CALIFORNIA PARK AND RECREATION DEPARTMENT DIVISION OF 6	NO. 117957
DESCRIPTION	DATE
APPROVED	DATE
FILED	
ORIGINAL	
AS BUILT	
CONTRACTOR: LINDA DONALDSON	DATE STARTED: 10/6/81
INSPECTOR: JAMES RYAN	DATE COMPLETED: 7/20/82

AS BUILT CS-1

ENGINEER: SNIPES-DYE ASSOCIATES
2800 ORCHARD ST. LEON GROVE, CA
(714) 697-8234



PROFILE TECOLOTE ROAD
SCALE: 1"=40' HOR.
1"=6' VERT.

CURB DATA TABLE			
NO	DELTA BEARING	RADIUS	LENGTH
1	N 37° 25' 04" E		408.10'
2	N 37° 00' 01" E		412.56'

Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this Project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the Contractor shall defend, indemnify and hold the Owner and the Engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this Project, excepting for liability arising from the sole negligence of the Owner or the Engineer.



ENGINEER IN CHARGE
SNIPES-DYE ASSOCIATES
CIVIL ENGINEERS AND LAND SURVEYORS
3089 GROVE STREET, LEMON GROVE, CA 94040
TELEPHONE (714) 897-8824

SPECIAL SPECIFICATION NO. _____
CIP No. 23-119
CITY CONTRACT _____

TECOLOTE ROAD IMPROVEMENTS
PLANS FOR THE CONSTRUCTION OF:
TECOLOTE PARK
ADDITIONAL IMPROVEMENTS

CITY OF SAN DIEGO, CALIFORNIA
PARK AND RECREATION DEPARTMENT
SHEET 2 OF 6 SHEETS

W.D. NO. 117957
DATE 4/25/81
BY [Signature]

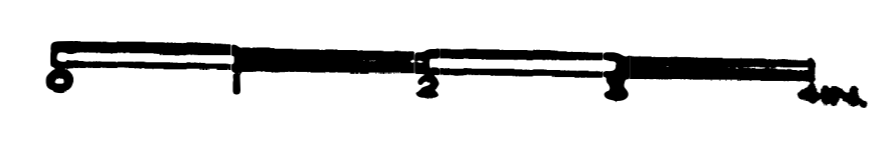
DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL				

AS BUILT
CONTRACTOR: [Signature] DATE STARTED: 10-8-81
INSPECTOR: [Signature] DATE COMPLETED: 7-22-82

220-1707
LIBRARY COPIES
19876-2-D

AS BUILT C-1
M-131

ENGINEER: SNIPES-DYE ASSOCIATES
3562 GROVE ST. LEMON GROVE, CA
(714) 897-8824



UNDERGROUND UTILITIES
 AT LEAST THREE (3) WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR SHALL REQUEST A MARKOUT OF UNDERGROUND UTILITIES BY CALLING THE BELOW LISTED REGIONAL NOTIFICATION CENTER FOR AN INQUIRY IDENTIFICATION NUMBER:
 UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-422-4033

- CONTRACTOR'S RESPONSIBILITIES**
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND RECONNECT ALL SEWER LATERALS, LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. LATERAL RECORDS ARE AVAILABLE TO THE CONTRACTOR AT THE WATER DEPARTMENT, 2757 CAMINITO CHOLLAS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE IMPROVEMENTS THAT WILL BE AFFECTED BY LATERAL REPLACEMENTS. ALL IMPROVEMENTS DISTURBED BY CONTRACTOR SHALL BE REPLACED IN KIND TO ORIGINAL CONDITION OR BETTER.
 - THE LOCATION OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
 - STORM DRAIN INLETS ARE TO REMAIN FUNCTIONAL / OPERATIONAL AT ALL TIMES DURING CONSTRUCTION.
 - UNLESS OTHERWISE NOTED AS PREVIOUSLY POTHOLED (PH), ALL ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION ONLY AND ARE SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE CITY IN NO WAY GUARANTEES OR WARRANTS THAT IT HAS REVIEWED ALL AVAILABLE DATA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE ALL EXISTING UTILITIES EITHER SHOWN ON THE PLANS OR MARKED IN THE FIELD IN ACCORDANCE WITH THE SPECIFICATIONS (SECTION 5-11)
 - 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.
 - CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A FOUR FOOT HORIZONTAL SEPARATION FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL BETWEEN SEWER AND WATER MAINS CANNOT BE MAINTAINED.
 - 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 CANNOT BE MAINTAINED.
 - EXISTING UTILITY CROSSING ARE NOT REPRESENTATIVE OF ACTUAL LENGTH OF CONFLICT AREA (SEE PLAN VIEW)
 - CONTRACTOR TO MAINTAIN A MINIMUM 3' OF COVER OVER TOP OF SEWER MAIN.

ABBREVIATIONS

ABAND	ABANDON	CONTR	CONTRACTOR	MTD	DUCT
ABAND'D	ABANDONED	OB	DIRECT BURIED	OVHD	OVER HEAD
AC	ASBESTOS CEMENT	EB	ENCASED BURIED	PVC	POLYVINYL CHLORIDE
AND	AHEAD	ELEC	ELECTRIC	PROP	PROPOSED
ASST	ASSEMBLY	EX	EXIST EXISTING	RED	REDUCER
BA	BACK	F	FLANGE	RT	RIGHT
BTWN	BETWEEN	GV	GATE VALVE	S	SURVEY LINE
CATV	CABLE TV	HDPE	HIGH-DENSITY POLYETHYLENE	SO	STUB OUT
CI	CAST IRON PIPE	HP	HIGH PRESSURE	SWR	SEWER
C	CENTER LINE	IE	INVERT ELEVATION	TEL	TELEPHONE
COND	CONDUIT	UNK	UNKNOWN	VC	VITRIFIED CLAY PIPE
CONT	CONTINUED	LT	LEFT	WM	WATER METER
		MJ	MECHANICAL JOINT	WTR	WATER

EXISTING UTILITIES

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

SEWER GROUP JOB 785A ACCELERATED

LIMITS OF WORK

SHEET NO.	DISCIPLINE CODE	DRG. NO.	TITLE	LIMITS	PIPE		LENGTH (FT)
					SIZE (IN)	MATERIAL	
1	G-1	30417-01-D	COVER SHEET				
2	C-1	30417-02-D	MORENA BOULEVARD	FROM STA 1+00 TO STA 6+94.00	8	SEWER	394.00
3	C-2	30417-03-D	SAVANNAH STREET	FROM STA 1+00 TO STA 4+80.00	8	SEWER	380.00
4	C-3	30417-04-D	VEGA STREET	FROM STA 1+00 TO STA 7+94.84	8	SEWER	694.84
5	C-4	30417-05-D	VIOLA STREET	FROM STA 1+00 TO STA 2+57.07	8	SEWER	257.07
6	C-5	30417-06-D	NAPLES STREET	FROM STA 1+00 TO STA 2+47.22	8	SEWER	247.22
6	C-5	30417-06-D	TECOLOTE ROAD	FROM STA 1+00 TO STA 1-37.75	8	SEWER	37.75
7	C-6	30417-07-D	MORENA BOULEVARD	FROM STA 1+00 TO STA 4+30.46	8	SEWER	330.46
8	C-7	30417-08-D	NAPLES STREET	FROM STA 1+00 TO STA 7+48.65	8	SEWER	648.65
9	C-8	30417-09-D	WEST MORENA BLVD	FROM STA 1+00 TO STA 4+19.56	8	SEWER	319.56
10	C-9	30417-10-D	ALLEY & HARTFORD ST.	FROM STA 1+00 TO STA 7+65.38	8	SEWER	665.38
10	C-9	30417-10-D	ALLEY IN BLK 201 OF MAP 1060	FROM STA 1+00 TO STA 1+26.03	8	SEWER	26.03
11	C-10	30417-11-D	HARTFORD STREET	FROM STA 1+00 TO STA 6+81.80	8	SEWER	581.80
11	C-10	30417-11-D	JELLETT STREET	FROM STA 1+00 TO STA 3+32.13	8	SEWER	232.13
11	C-10	30417-11-D	INGLUF PL	FROM STA 1+00 TO STA 1+18.00	8	SEWER	18.00
12	C-11	30417-12-D	DETAILS				
13	C-12	30417-13-D	DETAILS				
14	C-13	30417-14-D	STREET RESURFACING				
15	C-14	30417-15-D	CURB RAMPS LOCATION / DATE STAMPS				
16	C-15	30417-16-D	SEWER MAIN ABANDONMENT				
17	C-16	30417-17-D	COORDINATE INDEX REPORT				
18	C-17	30417-18-D	STORM DRAIN INLET PROTECTION				
					TOTAL SEWER		5,084.40

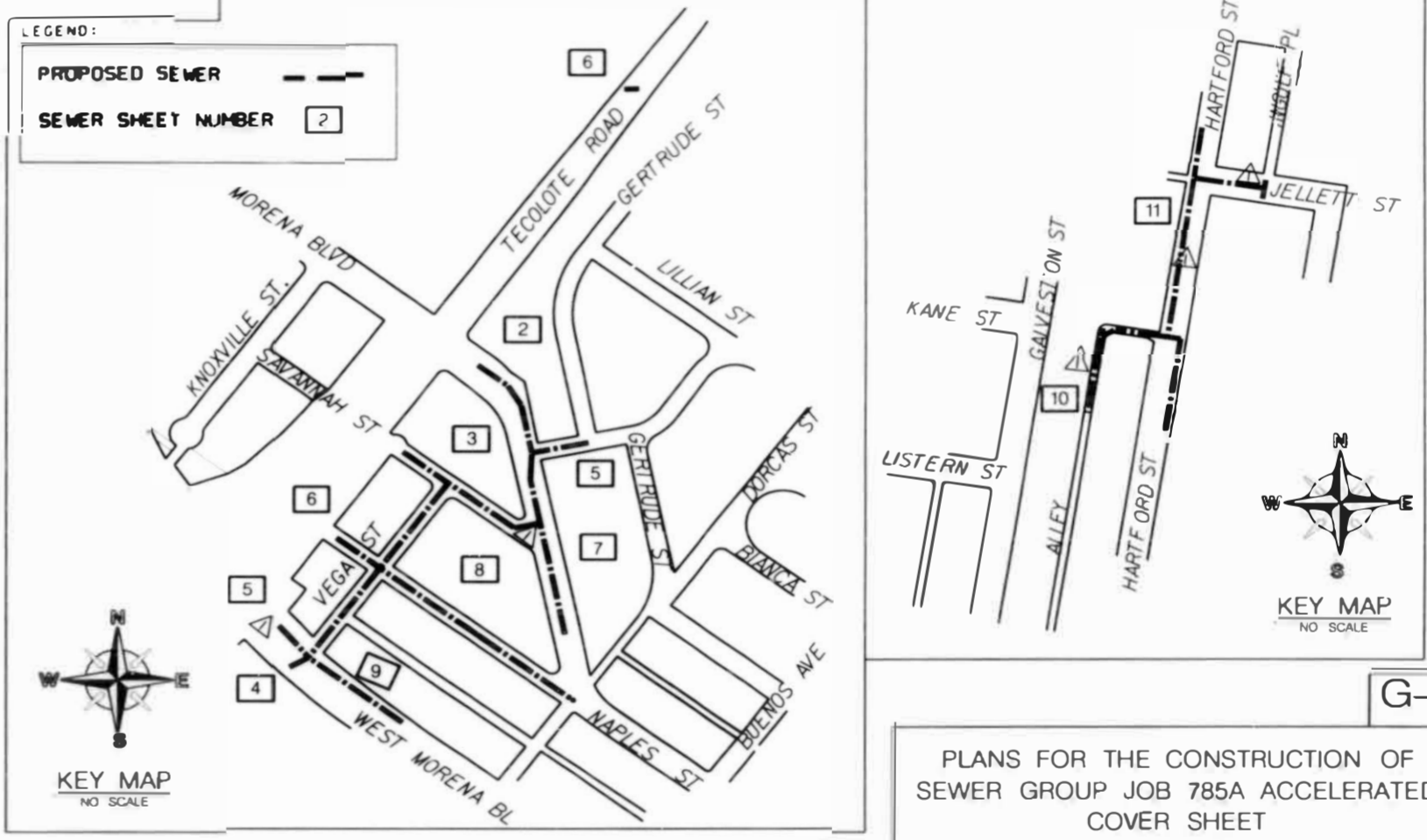
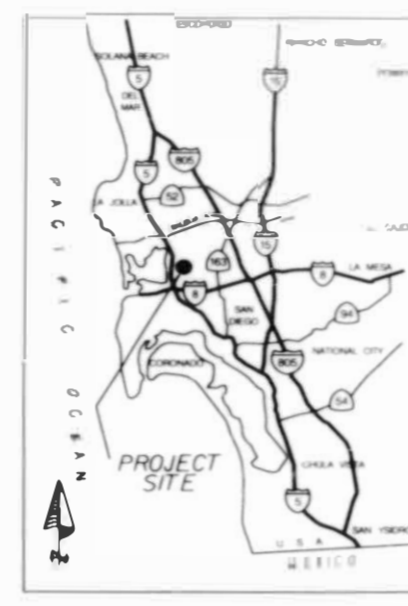
WORK TO BE DONE

CONSTRUCTION CONSISTS OF THE INSTALLATION OF APPROXIMATELY 4,888.77 LINEAR FEET OF 8 INCH AND 59.67 LINEAR FEET OF 10 INCH SEWER MAIN AND 33 SEWER MANHOLES, SEWER LATERALS, IN ADDITION TO INSTALLING PEDESTRIAN RAMPS AND STREET RESURFACING AND ALL OTHER WORK AND APURTENANCES ALL IN ACCORDANCE WITH SPECIFICATIONS AND DRAWINGS.

BENCHMARK: BENCH SEBP W. MORENA/VEGA (13.676)
 NO. 5504 TELEV. 13.73
FIELD NOTES: CHM; DAVIS; INDEX; 220-1104.226-1107; DATE: 03-05-2009.
DATUM: MEAN SEA LEVEL
MAJOR STREETS: WEST MORENA BL, MORENA BL.

DISCIPLINE CODE

- G GENERAL
- D DEMOLITION
- C CIVIL
- L LANDSCAPE
- A ARCHITECTURAL
- S STRUCTURAL
- M MECHANICAL
- E ELECTRICAL
- I INSTRUMENTATION
- T TRAFFIC CONTROL



LEGEND

IMPROVEMENTS	STANDARD DRAWINGS	SYMBOL
TRENCH RESURFACING	S0G-107, S0G-108	---
SEWER MAIN	S0S-100, S0S-101, S0S-108, S0S-10 (TYPE C)	---
SEWER MANHOLE	M-3, SM-03, SM-04, SM-07, S0S-106, S0S-107, S0M-13	○
4" SEWER LATERAL WITH C.D. UNLESS OTHERWISE SPECIFIED	SC-01, S0S-100, S0S-102, S0S-103, S0S-104, S0S-105, S0S-108, S0S-10 (TYPE C), S0S-118	---
CONCRETE PROTECTION FOR EXIST SEWER PIPE	S0S-116	---
CONCRETE ENCASUREMENT	S0S-112	---
ABANDON EX MANHOLE	SM-08	○
CUTTING AND PLUGGING ABANDONED SEWER/WATER MAIN	WP-03	---
SURVEY MONUMENT	M-10	○
HORIZONTAL ALIGNMENT COORDINATE POINT NUMBER		○

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

CONSTRUCTION CHANGE / ADDENDUM

CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

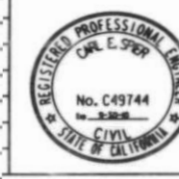
WARNING
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

CITY OF SAN DIEGO PUBLIC WORKS PROJECT



AS-BUILT INFORMATION

MATERIALS	MANUFACTURER
PIPE SOR 35 (SEWER)	VINYLE TECH
SEWER MANHOLES	RDC STRUCTURES



PLANS FOR THE CONSTRUCTION OF SEWER GROUP JOB 785A ACCELERATED COVER SHEET

CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
 SHEET 101 OF 118 SHEETS

DATE: 8/12/2010
 DRAWN BY: VP7CV
 CHECKED BY: [Signature]
 DATE CHECKED: 8/12/10

CONTRACTOR: [Signature]
 DATE STARTED: 8-25-08
 INSPECTOR: [Signature]
 DATE COMPLETED: 8-25-08

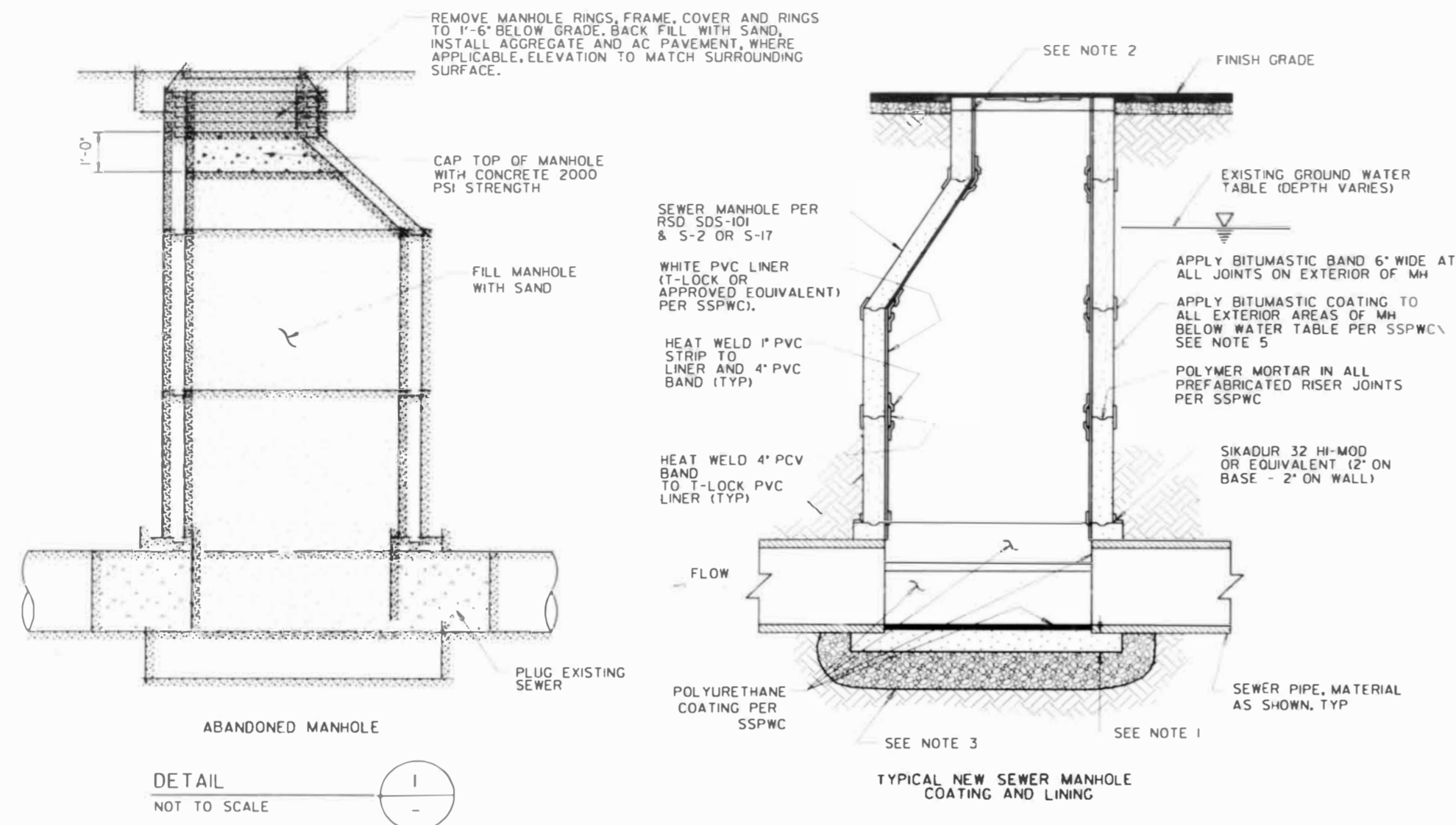
REGAN OWEN
 ASSOCIATE ENGINEER
 VALERY POLYAK
 PROFESSIONAL ENGINEER

SEE EACH SHEET
 LAMBERT COORDINATES
 30417-01-D

AS-BUILT

PRINTED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.

SEWER GROUP JOB 785A ACCELERATED



DETAIL
NOT TO SCALE

STANDARD DETAIL
NOT TO SCALE
(SIMILAR TO FIG 2-3 / SEWER DESIGN GUIDE)

ADDITIONAL NOTE TO THE CONTRACTOR:

1. MINIMUM CONCRETE BASE THICKNESS BETWEEN THE OUTSIDE DIAMETER OF THE LARGEST PIPE AND THE BOTTOM OF THE BASE SHALL BE 1".
2. INSTALL TWO PREFORMED TURNBACKS UNDER FRAME
3. 1 FOOT THICK MINIMUM OF 3/4" CRUSHED ROCK UNDER THE MANHOLE BASE. WRAP AROUND THE ENTIRE CRUSHED ROCK AREA WITH POLYPROPYLENE GEOTEXTILES, AS SPECIFIED.
4. ALL MANHOLE BASE SHALL BE CAST IN PLACE CONCRETE, TOP OF SHELVES SHALL BE SAME HEIGHT AS SOFFIT OF LARGEST SEWER PIPE
5. BITUMASTIC SHALL BE APPLIED AT THE FACTORY
6. PROVIDE WATERSTOP AT PVC PIPE CONNECTION TO MANHOLE BASE AS REQUIRED BY SDS-106 OF CITY OF SAN DIEGO STANDARD DRAWINGS
7. FOR TRENCH RESURFACING FOR ASPHALT CONCRETE SURFACED STREETS SEE SDG-107 OF STANDARD DRAWINGS

SEWER GROUP 785A

C-II

PLANS FOR THE CONSTRUCTION OF SEWER GROUP 785A DETAILS			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		WATER NO. _____	SEWER NO. 175891
SHEET 12 OF 18 SHEETS		DESIGNED BY: _____	APPROVED BY: REGAN OWEN
FOR CITY ENGINEER	DATE: 8/12/2010	DESIGNED BY: _____	APPROVED BY: _____
ORIGINAL	TCE	DATE: 8/16/10	VALERY POLYAK
AS-BUILT PER CITY INSPECTION		DATE: 3/28/14	CONTROL CERTIFICATION
CONTRACT NO. _____	CASE NO. _____	DATE STARTED: 8/12/10	SEE EACH SHEET
SUPERVISOR: FRANK HOUTER	DATE COMPLETED: 07-09-13	PROJECT NO. 30417-12-D	COORDINATES



Tran Consulting Engineers
4444 Eicajon Blvd, Suite 15
San Diego, California 92161
619-563-7650, FAX 619-563-7821

APPROVED: *[Signature]*
DATE: 8/16/10

AS-BUILT

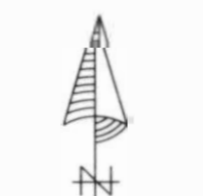
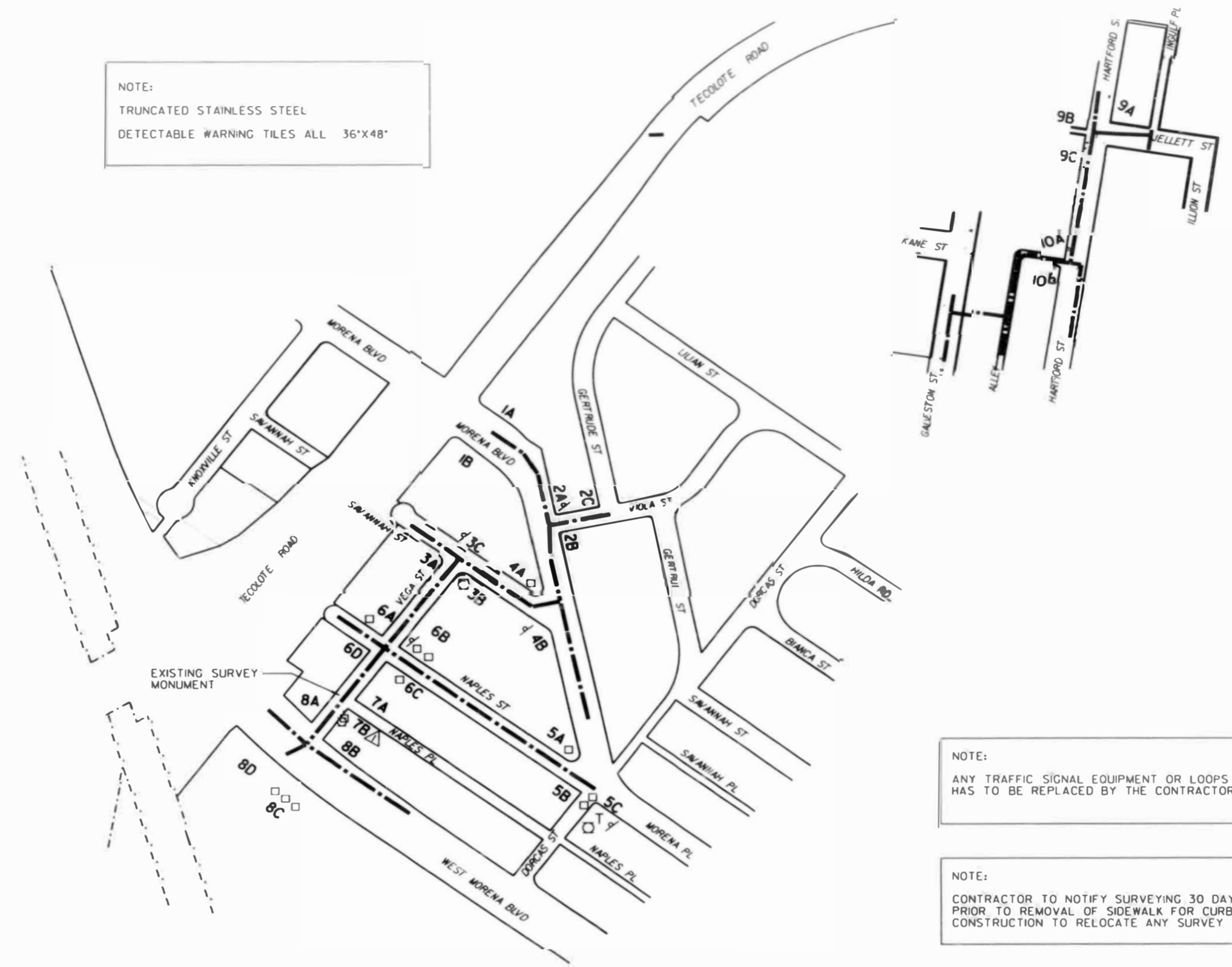


CURB RAMP NOTES TABLE			
LOCATION NO	PROPOSED CURB RAMP TYPE	HISTORIC STAMPS	COMMENTS
IA	NO		EXISTING NEW CURB RAMP
IB	NO		EXISTING NEW CURB RAMP
2A	CI	3	*T.B. PENICK & SONS INC 1969 CONTRACTORS* EXISTING STOP SIGN TO BE RELOCATED Δ
2B	CI	1	*T.B. PENICK & SONS INC 1969 CONTRACTORS* EXISTING SURVEY DISK PRESERVED
2C	D	NO	
3A	CI	1	*T.B. PENICK & SONS INC 1969 CONTRACTORS* Δ
3B	CI	1	*S.M. J. HARRIS CO. 1966* Δ EXISTING FIRE HYDRANT TO BE RELOCATED Δ
3C	CI	NO	*SIM J. HARRIS CO. 1966* Δ EXISTING SIGN NOT A THROUGH STREET TO BE RELOCATED Δ
4A	CI	NO	EXISTING WATER METER BOX & COVER TO BE ADJUSTED TO GRADE
4B	CI	1	*SIM J. HARRIS CO. 1964* Δ EXISTING STOP SIGN TO BE RELOCATED Δ
5A	CI	NO	EXISTING WATER METER BOX & COVER TO BE ADJUSTED TO GRADE
5B	CI	1	*DALEY CORP. 1959* Δ
5C	CI	NO	EXISTING TREE ROOTS REMOVED. EXISTING FIRE HYDRANT AND WATER VALVE TO BE RELOCATED. EXISTING ELECTRICAL BOX. 2 WATER VALVE WELLS AND COVERS ADJUSTED TO GRADE. Δ
6A	CI	NO	EXISTING WATER METER BOX & COVER ADJUSTED TO GRADE
6B	CI	1	*DALEY CORP. 1959* Δ TWO EXISTING CO. SEWER BOXES AND COVERS TO BE ADJUSTED TO GRADE. STOP SIGN TO BE RELOCATED Δ
6C	CI	2	*DALEY CORP. 1959* *T.B. PENICK & SON 1976 CONTRACTORS* EXISTING WATER METER BOX & COVER ADJUSTED TO GRADE
6D	CI	2	*T.B. PENICK & SON 1976 CONTRACTOR*
7A	D	3	*T.B. PENICK & SON 1976 CONTRACTOR*
7B	D	1	*T.B. PENICK & SON 1976 CONTRACTOR* EXISTING F. H. AND WATER VALVE BOX RELOCATED TO SOUTH Δ
8A	C2	1	*T.B. PENICK & SON 1976 CONTRACTOR*
8B	CI	4	*T.B. PENICK & SON 1972 CONTRACTORS* Δ
8C	D	1	*SMART 1972 CONCRETE CO.* Δ EXISTING UTILITIES BOXES ADJUSTED TO GRADE (3 EACH) Δ
8D	C2	NO	EXISTING UTILITIES BOXES ADJUSTED TO GRADE LEAD Δ
9A			EXISTING NEW CURB RAMP
9B			EXISTING NEW CURB RAMP
9C			EXISTING NEW CURB RAMP
10A			EXISTING NEW CURB RAMP
10B			EXISTING NEW CURB RAMP

NOTE: 1
TRUNCATED STAINLESS STEEL
DETECTABLE WARNING TILES ALL 36"x48"

NOTE: 2
ANY TRAFFIC SIGNAL LOOPS DAMAGED TO BE REPLACED WITH TYPE E LOOPS. LOOPS LOCATED AT A LIMIT LINE OR CROSSWALK SHALL BE MODIFIED TYPE E FOR BIKE SENSITIVITY.

NOTE:
TRUNCATED STAINLESS STEEL
DETECTABLE WARNING TILES ALL 36"x48"



NO SCALE

LEGEND

7B	CURB RAMP LOCATOR
□	EX FIRE HYDRANT
T	EX TREE
*	EX STREET SIGN
□	EX UTILITY BOX
□	EX CURB RAMP

PROPOSED CURB RAMP PER STANDARD DRAWINGS:

CI	SDC-134
C2	SDC-135
D	SDC-136
GEN. NOTES	SDC-130/SDC-137
ISLAND REFUGE / PASSAGEWAY DETAILS	SDC-138



SEWER GROUP JOB 785A ACCELERATED
CURB RAMP LOCATION / DATE STAMPS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 15 OF 18 SHEETS

DATE: 8/12/2010

DESIGNED BY: [Signature] DATE: []

CHECKED BY: [Signature] DATE: []

APPROVED BY: [Signature] DATE: []

CONTRACTOR: CLASS CURB DATE STARTED: [] DATE COMPLETED: []

INSPECTOR: FRANK HOLYER DATE: []

WATER # 175891
SEWER # []
REGAN OWEN
ASSISTANT ENGINEER
VALERY POLYAK
REGISTERED ENGINEER

CONTROL INFORMATION
SEE EACH SHEET.
30417-15-D

SEWER GROUP JOB 785A ACCELERATED



PRINTED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.

WATER AND SEWER GROUP 553

STANDARD DRAWINGS & SPECIFICATIONS

STANDARD SPECIFICATIONS:

DOC. NO.	FILED	DESCRIPTION
L 769845	07-21-00	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (2000 EDITION), INCLUDING THE REGIONAL AND CITY OF SAN DIEGO SUPPLEMENTAL AMENDMENTS.
2. 769843	01-24-00	CALIFORNIA DEPARTMENT OF TRANSPORTATION, 'MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES,' 0996 EDITION
3. 769842	10-22-99	1999 STANDARD SPECIAL PROVISIONS FOR SIGNALS, LIGHTING & ELECTRICAL SYSTEMS OF THE CITY OF SAN DIEGO

STANDARD DRAWINGS:

DOC. NO.	FILED	DESCRIPTION
L 769846	07-21-00	CITY OF SAN DIEGO STANDARD DRAWINGS INCLUDING ALL REGIONAL STANDARD DRAWINGS

UNDERGROUND UTILITIES

AT LEAST THREE (3) WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR SHALL REQUEST MARKOUT OF UNDERGROUND UTILITIES BY CALLING THE BELOW LISTED REGIONAL NOTIFICATION CENTER FOR AN INQUIRY IDENTIFICATION NUMBER:

UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-422-4133

CONTRACTOR'S RESPONSIBILITIES

- THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SIGNING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL NOTIFY CITY OF SAN DIEGO FIRE STATION, AND ALL OTHER LOCAL FIRE DEPARTMENTS PRIOR TO THE DEACTIVATION OF ANY FIRE HYDRANT. THE CONTRACTOR SHALL INFORM THE FIRE DEPARTMENTS OF ANY STREET CLOSURES ON A DAILY BASIS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND RECONNECT ALL SEWER LATERALS. LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. LATERAL RECORDS ARE AVAILABLE TO THE CONTRACTOR AT THE WATER DEPARTMENT, 2797 CAMBITO CHOLLAS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE IMPROVEMENTS THAT WILL BE AFFECTED BY LATERAL REPLACEMENTS. ALL IMPROVEMENTS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED IN KIND TO ORIGINAL OR BETTER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYOR'S ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION MUST BE NOTIFIED, IN WRITING, AT LEAST THREE (3) DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.
- CONTRACTOR TO EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE THE EXACT SIZE OF THE EXISTING WATER SERVICE BEFORE TAPPING MAIN.
- CITY FORCES WHERE CALLED OUT SHALL MAKE PERMANENT CUTS & PLUGS, CONNECTIONS, ETC.
- EXISTING MAINS SHALL BE KEPT IN SERVICE IN LIEU OF HIGH-LINING, UNLESS OTHERWISE SHOWN ON PLANS.
- THE LOCATION OF EXISTING BUILDINGS AS SHOWN ON THE PLANS ARE APPROXIMATE.
- CONTRACTOR SHALL REPLACE IN KIND ANY TRAFFIC SENSORS OR EQUIPMENT DAMAGED DURING CONSTRUCTION.
- CONTRACTOR SHALL PREVENT DEBRIS FROM GOING TO THE STORM DRAIN DURING CONSTRUCTION.
- STORM DRAIN INLETS ARE TO REMAIN FUNCTIONAL / OPERATIONAL AT ALL TIMES DURING CONSTRUCTION.
- UNLESS OTHERWISE NOTED AS PREVIOUSLY POTHOLED (PH), ALL ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION ONLY AND ARE SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE CITY IN NO WAY WARRANTS OR GUARANTEES THAT IT HAS REVIEWED ALL AVAILABLE DATA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE ALL EXISTING UTILITIES (EITHER SHOWN ON THE PLANS ARE MARKED IN THE FIELD) IN ACCORDANCE WITH THE SPECIFICATIONS (REFERENCE SPECIFICATIONS SECTION 5-4).
- EXCEPT FOR THOSE PORTIONS OF THE WORK COVERED BY ANY ATTACHED TRAFFIC PLANS, ALL TRAFFIC CONTROL SHALL BE DESIGNED BY THE CONTRACTOR AND SUBMITTED AS SHOP DRAWINGS IN ACCORDANCE WITH SECTION 7-10.11 OF THE SPECIFICATIONS.
- CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A ONE FOOT (1') VERTICAL SEPARATION (FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) BETWEEN SEWER AND WATER CANNOT BE MAINTAINED.
- CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A FOUR FOOT (4') HORIZONTAL SEPARATION (FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) BETWEEN SEWER AND WATER CANNOT BE MAINTAINED.
- CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A 1-FOOT (1') VERTICAL SEPARATION (FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) BETWEEN UTILITIES CANNOT BE MAINTAINED.
- CONSTRUCTION SITE PRIORITY: LOW

ABBREVIATIONS

ABAND	ABANDON	COND	CONDUIT	MJ	MECHANICAL JOINT
ABAND'D	ABANDONED	CONTR	CONTRACTOR	MTD	MULTIPLE TELEPHONE DUCT
AC	ASBESTOS CEMENT PIPE	DB	DIRECT BURIED	OVHD	OVER HEAD
AHD	AHEAD	EB	ENCASED BURIED	PBRST	PIPE-BURST
ASSY	ASSEMBLY	EL, ELEV	ELEVATION	PVC	POLYVINYL CHLORIDE
BA	BACK	ELEC	ELECTRIC	RCP	REINFORCED CONCRETE PIPE
BPV	BY-PASS VALVE	EX, EXIST	EXISTING	RED	REDUCER
BTRN	BETWEEN	F	FLANGE	RT	RIGHT
CATV	CABLE TV	FRS	FULL RESILIENT SEAT	S	SURVEY LINE
CI	CAST IRON PIPE	GV	GATE VALVE	TEL	TELEPHONE
CICML	CAST IRON PIPE CEMENT MORTAR-LINED	HP	HIGH PRESSURE	UNK	UNKNOWN
CL	CENTER LINE	IE	INVERT ELEVATION	VC	VITRIFIED CLAY PIPE
		LT	LEFT	WM	WATER METER

LIMITS OF WORK

SHEET NO.	STREET	LIMITS	BLOCK NO.	PIPE		LENGTH (FT)	FIELD BOOK	THOMAS BROTHERS MAPS	RETIREMENTS						
				SIZE (IN)	TYPE				LENGTH (FT)	SIZE (IN)	MATERIAL	YEAR	PI 2 FT	PI 3 FT	
1	COVER SHEET														
2	LITTLEFIELD ST.	STA. 1+00 TO STA. 8+00	4	12	WATER	800	D6S	1268-E1	800	8	CI	1948			
3	LITTLEFIELD ST.	STA. 8+00 TO STA. 15+75	13,14	12	WATER	775	D6S,E6S	1268-E1	725	8	CI	1948			
4	FRANKFORT ST. & ASHER ST.	STA. 0+00 TO STA. 2+55/STA. 0+00 TO 4+00	14,15	12 & 8	WATER	255/335	E6S	1268-E1	645	8	CI	1948			
5	GARDENA AVENUE	STA. 0+00 TO STA. 7+55		12	WATER	755	E6S	1268-E1	750	8	CI	1948			
6	LIETA STREET	STA. 0+00 TO STA. 8+55		8	WATER	855	D6S	1268-E2	855	6	CI	1948			
7	MORENCI STREET	STA. 0+00 TO STA. 5+25	13,16	8	WATER	448	D6S	1268-E1	525	6	CI	1949			
8	LITTLEFIELD ST.	STA. 0+00 TO STA. 2+75	14,15	8	WATER	475	D6S,E6S	1268-E1	275	6	CI	1949	2		
9	GALVESTON STREET	STA. 0+00 TO STA. 8+65		8	WATER	865	E6S	1268-E2	865	6	CI	1949			
10	BERRY STREET	STA. 0+00 TO STA. 6+10		8	WATER	600	E6S	1268-E2	600	8	CI	1949			
11	NASHVILLE STREET	STA. 0+00 TO STA. 3+77		8	WATER	677	E6S	1268-E2	377	6	CI	1950			
12	FRANKFORT STREET	STA. 0+00 TO STA. 6+15		8	WATER	665	D6S,E6S	1268-E2	665	6	CI	1949			
13	LEIGH STREET	STA. 0+00 TO STA. 5+85	1,2	8	WATER	585	D6S,E6S	1268-E2	585	6	CI	1949			
14	GALVESTON STREET	STA. 0+00 TO STA. 7+50		8	SEWER	840	E6S	1268-E2	840	8	VC	1950			
15	LITTLEFIELD R.O.W. & EASEMENT	STA. 0+00 TO STA. 1+50/STA. 0+00 TO 2+80		PBARMB.	SEWER	175/277	D6S,E6S	1268-E2	437	6/8	VC	1950			
16	NASHVILLE ST. & BERRY ST.	STA. 0+00 TO STA. 8+10		8	SEWER	850	D6S,E6S	1268-E2	850	6/8	VC	1950			
17-19	WATER & SEWER ALIGNMENT DATA SHEETS														
20	STREET RESURFACING SHEET														
21	CURB RAMP LOCATION SHEET														
22	CITY FORCES WORK SHEET														
23	CONSTRUCTION BEST MANAGEMENT PRACTICES (BMP)														
24-30	TRAFFIC PLANS														

WORK TO BE DONE

CONSTRUCTION OF WATER AND SEWER GROUP 553 CONSISTS OF INSTALLATION OF EIGHT-INCH (8") WATER MAINS, TWELVE-INCH (12") WATER MAINS, FIRE HYDRANTS, WATER SERVICES, EIGHT-INCH (8") SEWER MAINS, REHABILITATION OF EXISTING 8" SEWER MAINS, PAVEMENT RESURFACING, CURB RAMPS, AND ALL OTHER WORK AS SHOWN ON THESE PLANS.

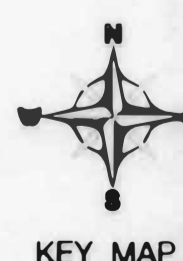
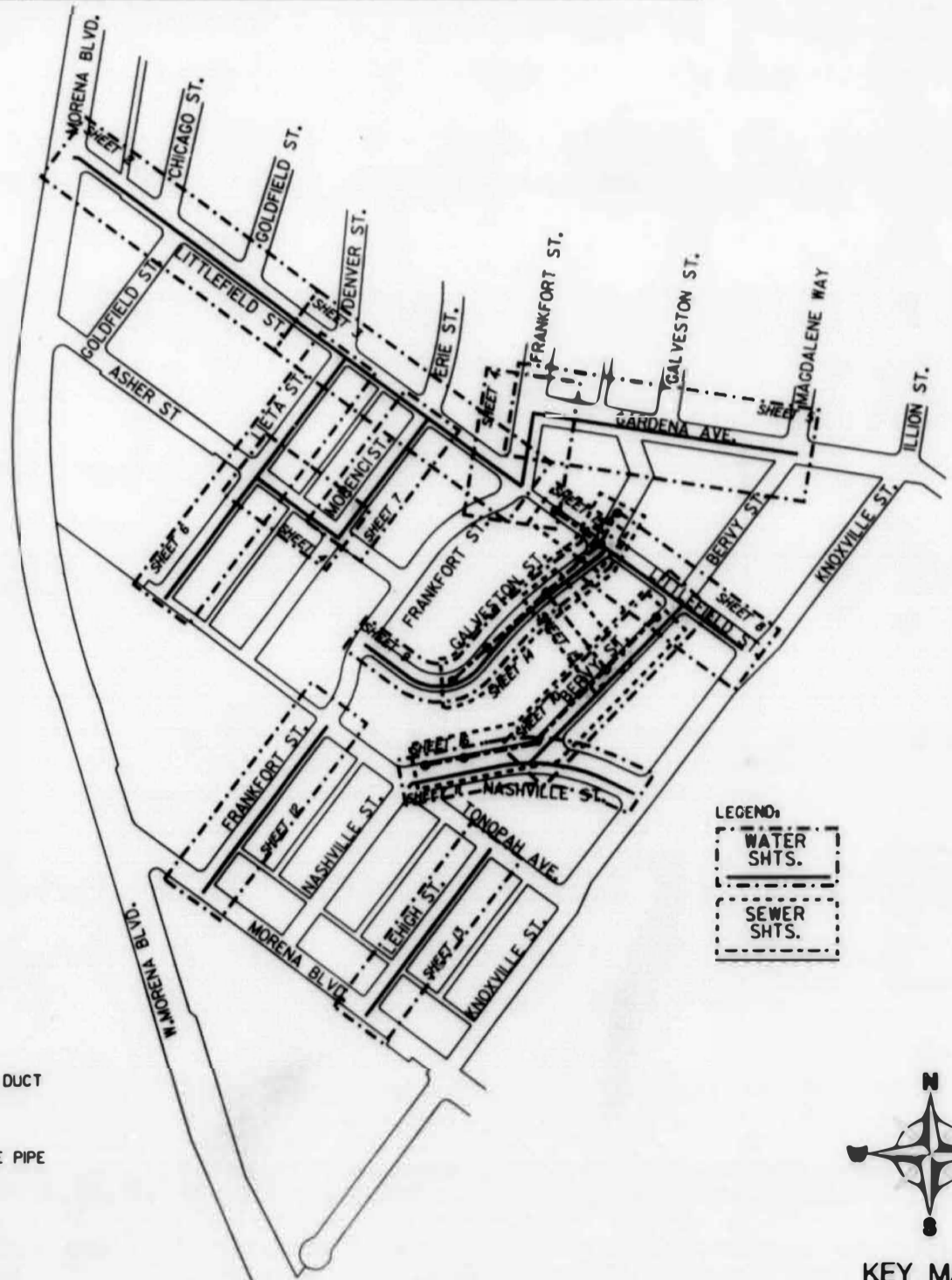
LEGEND

IMPROVEMENTS	STANDARD DRAWINGS	SYMBOL
PAVING & TRENCH RESURFACING	SDG-107, SDG-108	
SURVEY MONUMENT	M-10	
WATER MAIN & APPURTENANCES	W-17, W-18, W-19, W-20, W-22, W-25, SDW-100, SDW-106	
6" FIRE HYDRANT ASSY. & MARKER	W-10, W-11, SDW-100	
2-WAY UNLESS SPECIFIED AS 3-WAY	M-19, W-19A, W-25	
BLOWOFF	W-6, W-7, W-8, W-9, SDW-100	
WATER SERVICES	W-1, W-2, W-15, W-25, SDW-100, SDW-102, SDW-103	
SEWER MAIN	S-4C, S-19, SDS-100, SDS-101	
SEWER MANHOLE	S-2, S-17, M-3, SDS-100	
SEWER MAIN REHAB.	SEE PLANS & SPECS	
SEWER LATERAL WITH C.O.	S-4C, S-13, S-19, SDS-100 SDS-102, SDS-103	
SEWER LATERAL CONNECTION TO UPGRADED SEWER	SEE PLANS & SPECS	
EX MANHOLES TO BE ABANDONED	SEE PLANS & SPEC.	

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

EXISTING UTILITIES

EX WATER MAIN & VALVES	
EX WATER METER	
EX FIRE HYDRANT	
EX SEWER MAIN & MANHOLES	
EX DRAINS	
EX PAVEMENT (PROFILE)	
EX GROUND LINE (PROFILE)	
EX TRAFFIC SIGNAL	
EX STREET LIGHT	
GAS MAIN	
ELEC. COND., TEL. COND., CATV	
UTILITY POLE	



BENCHMARK: SEBP @ LITTLEFIELD ST. & MORENA BLVD.
EL. = 21.85 MSL (NGVD 29)
DATUM: MEAN SEA LEVEL
MAJOR STREETS: MORENA BLVD.
PRESSURE ZONE: UNIVERSITY HEIGHTS #390



PLANS FOR THE CONSTRUCTION OF WATER AND SEWER GROUP 553
COVER SHEET

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 01 OF 30 SHEETS

WATER B.I.D. 186221
SEWER B.I.D. 179691

DATE: 3-25-04

DESIGNER: J. Wells
DRAFTER: J. Wells
DATE: AS 13 04

CONTROL CERTIFICATION: SEE EACH SHEET (LATEST COORDINATES)

CONTRACTOR: DATE STARTED: DATE COMPLETED: 31594-1-D

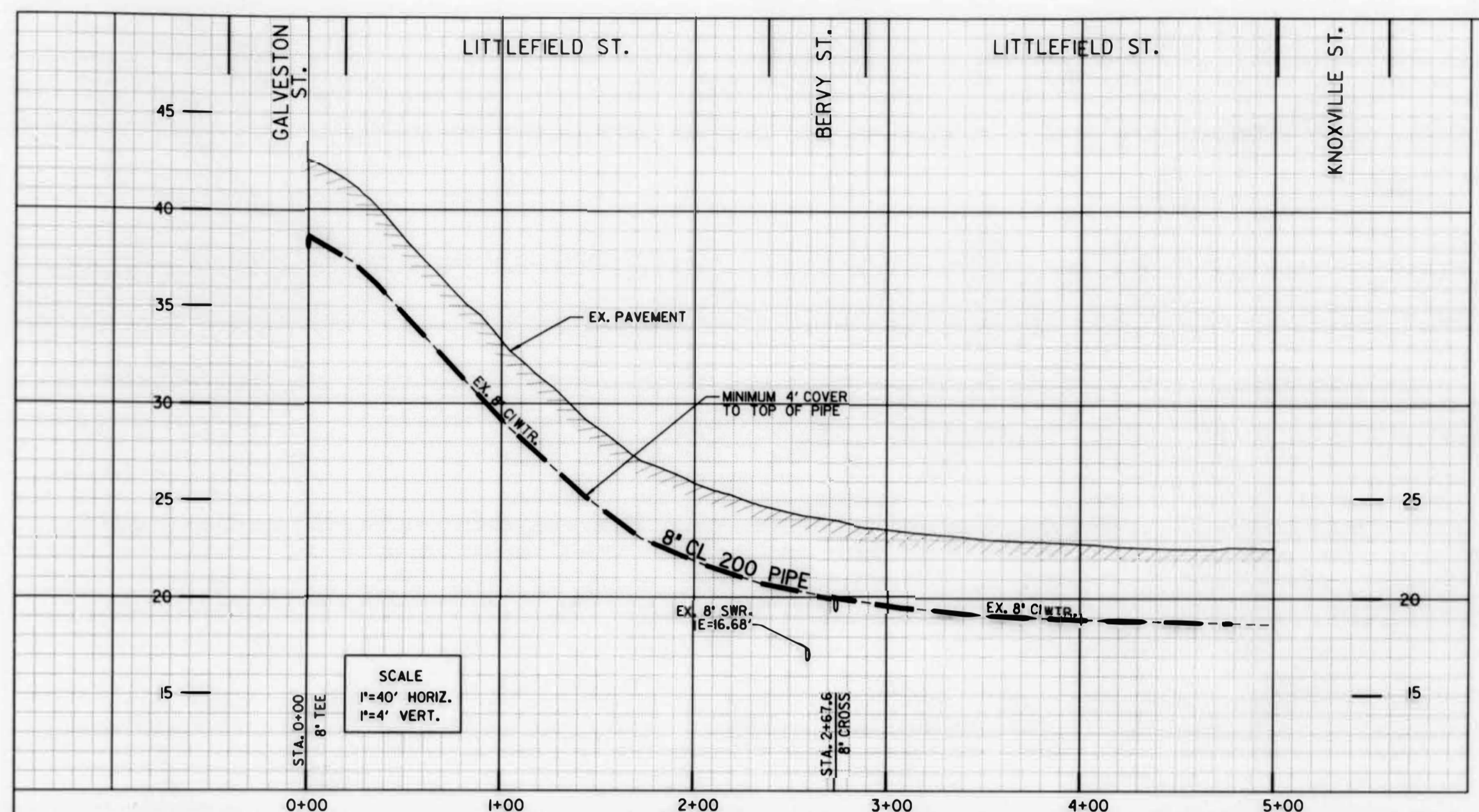
AS-BUILT INFORMATION	
FUNDING: CP 4500/4506	SPEC. NO. 205
MATERIALS	MANUFACTURER
PIPE CL 200 (WATER)	-
GATE VALVES	-
FIRE HYDRANTS	-

FILED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



WATER AND SEWER GROUP 553

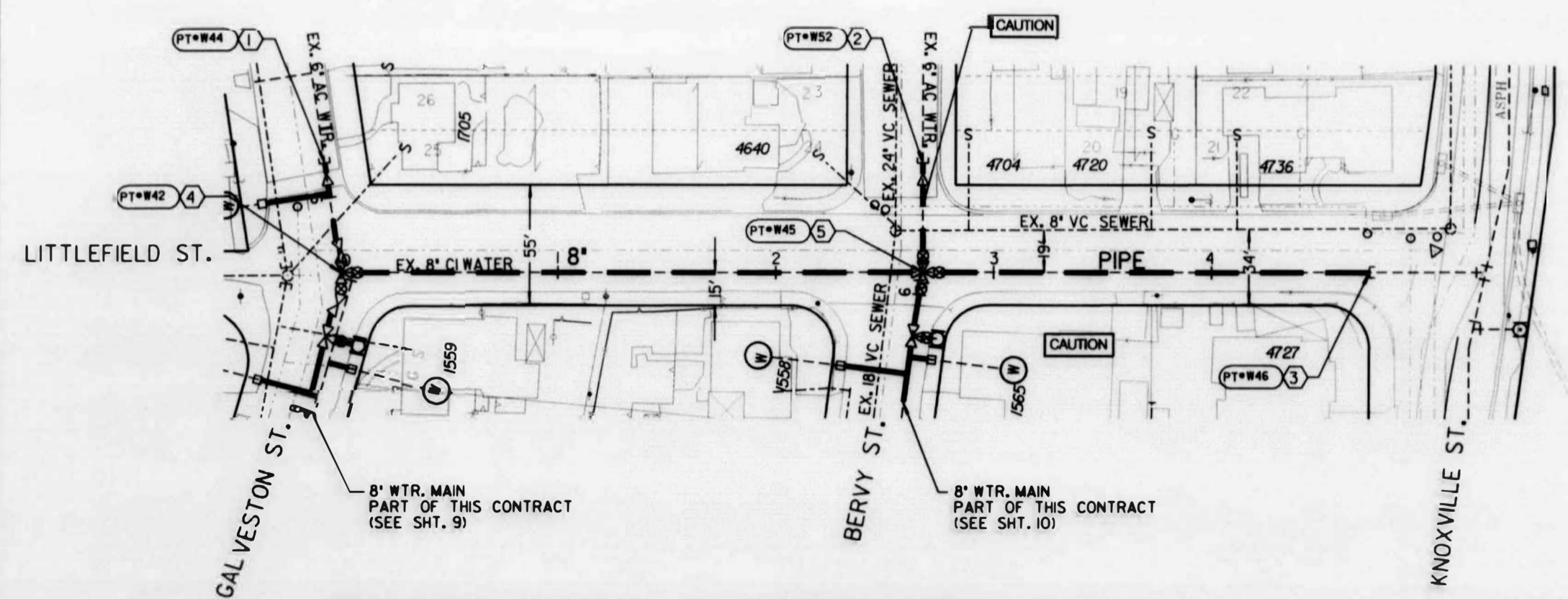
LITTLEFIELD ST. (EAST)



- ① BY CITY FORCES BEFORE CONTRACTOR
STA. 0+00, 50'± LT
TEMP. CUT & PLUG EX. 6" AC WTR. MAIN
RECONNECT AFTER ACCEPTANCE OF NEW MAIN
CONTRACTOR TO EXPOSE EX. MAIN AND CONDUCT
TRENCH-CAP OPERATIONS AFTER COMPLETION OF
CITY FORCES WORK.
- ② BY CITY FORCES BEFORE CONTRACTOR
STA. 2+67.6, 50'± LT
TEMP. CUT & PLUG EX. 6" AC WTR. MAIN
RECONNECT AFTER ACCEPTANCE OF NEW MAIN
CONTRACTOR TO EXPOSE EX. MAIN AND CONDUCT
TRENCH-CAP OPERATIONS AFTER COMPLETION OF
CITY FORCES WORK.
- ③ BY CONTRACTOR
STA. 4+72.5
TEMP. CUT & PLUG EXIST. 8" VC MAIN
RECONNECT AFTER ACCEPTANCE OF NEW MAIN
CONTRACTOR TO EXPOSE EX. MAIN AND CONDUCT
TRENCH-CAP OPERATIONS AFTER COMPLETION OF
CITY FORCES WORK.
- ④ BY CONTRACTOR
STA. 0+00
FURNISH & INSTALL:
1 - 8" TEE (F)
1 - 8" FRS GV (F, MJ) AHD
2 - 8" FRS GV (F) LT, RT
2 - 8" X 11.25" BEND (MJ, F) LT
38'± 8" PIPE, LT
1 - 8" X 6" RED. (F, MJ) LT
- ⑤ BY CONTRACTOR
STA. 2+67.6
FURNISH & INSTALL:
1 - 8" CROSS (F)
3 - 8" FRS GV (F, MJ) AHD, LT, RT
40'± 8" PIPE
1 - 8" X 6" RED. (F, MJ) LT

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

CITY FORCES TO PERFORM
ALL HIGHLINING OPERATIONS



CONTRACTOR'S NOTE:
EXISTING UTILITY CROSSINGS ARE NOT
REPRESENTATIVE OF ACTUAL LENGTH OF CONFLICT
AREA (SEE PLAN VIEW).

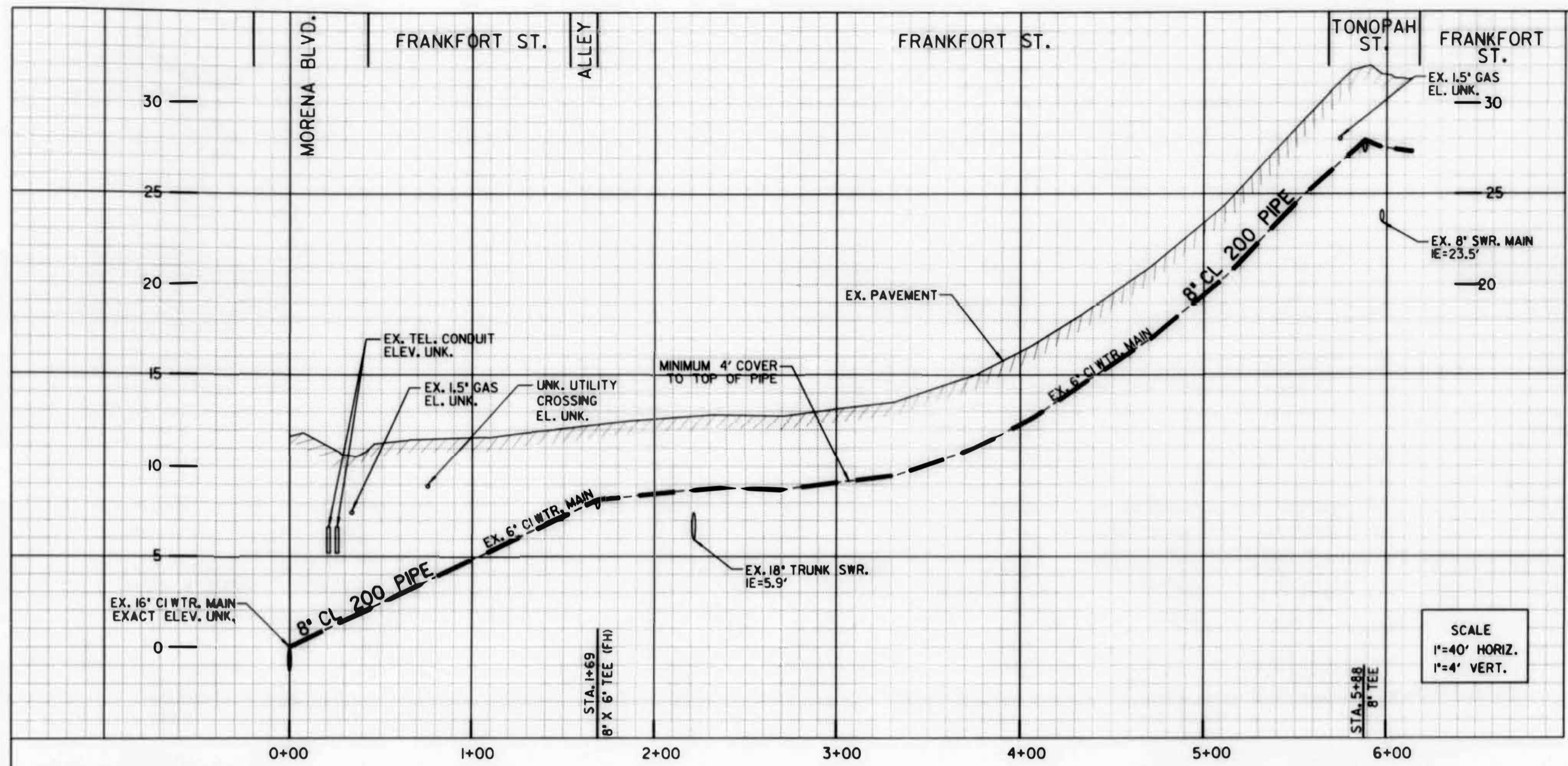
CONTRACTOR'S NOTE:
USE EXTREME CAUTION WHEN WORKING DUE TO
LOW OVERHEAD UTILITY LINES.

REFERENCE:
WATER: 1311-D; 1312-D; 1316-D; 10602-D; 17245-D; 18028-D; 19238-D;
7660-W; WD-1124; 7363-69-L; 10167-L; 10072-L; 10073-L; 10074-L
SEWER: 1311-D; 1312-D; 1316-D; 10602-D; 10700-D; 7363-69-L; 10167-L;
10072-L; 10073-L; 10074-L
STORM DRAIN: 6424-D; 16166-D; 8187-L; 10162-L; 3477-AD
GAS: 31/675-679, 681, 684-690; 39/36, 37, 38
ELECTRIC: 222-1704, 1704B, 1704D; 222-1707
CABLE TV: 222-1704
TELEPHONE: 308; 310; 312; 3007; 3019; 3038; 3042
IMPROVEMENTS: 7358-L; 7359-L; 7360-L
FIELD BOOK: D-165-C; E-165-D



SCALE: 1" = 40'

PLANS FOR THE CONSTRUCTION OF WATER AND SEWER GROUP 553 LITTLEFIELD ST. (EAST) STA. 0+00 TO 2+75			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 08 OF 30 SHEETS		DATE 3-25-04	WATER E.O. 186221
DESIGNER J. Wells	BY J. Wells	APPROVED [Signature]	SEWER E.O. 179691
DESCRIPTION ORIGINAL	FILED	DATE	PROJECT ENGINEER [Signature]
CONTRACTOR			CONTROL CERTIFICATION
INSPECTOR			222-1704
DATE STARTED			LAMBERT COORDINATES
DATE COMPLETED			31594-8-D

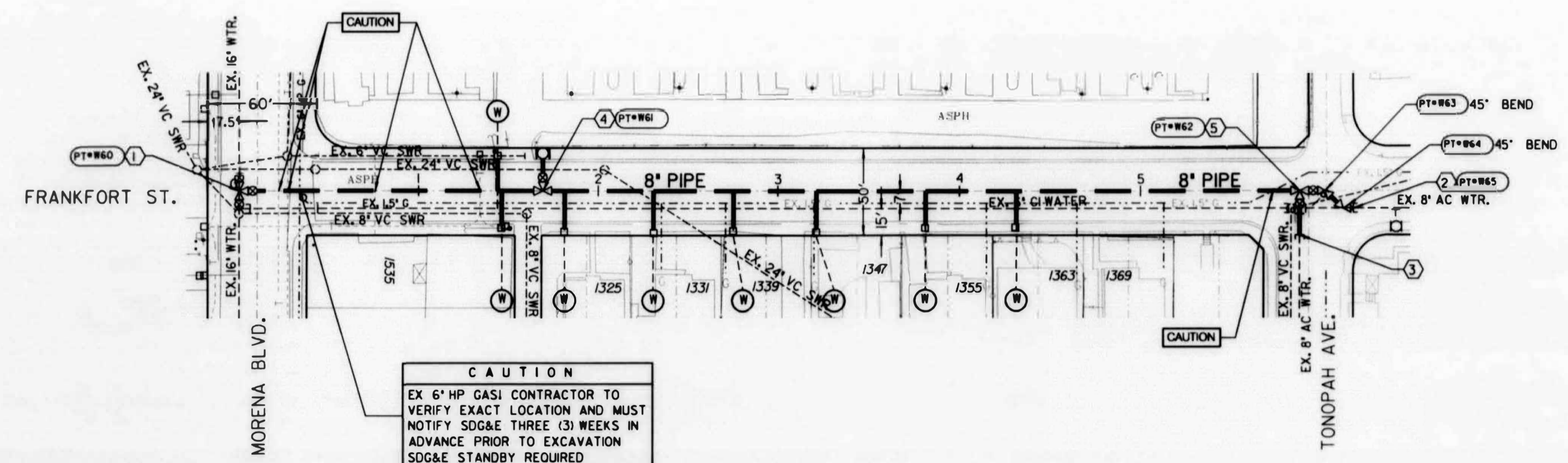


- ① CITY FORCES BEFORE CONTRACTOR
 STA. 0+00
 CITY FORCES INSTALL:
 1 - 16" X 8" TEE (F)
 2 - 16" FRS GV w/2" BPV (F, MJ) LT, RT
 1 - 8" FRS GV (F, MJ) AND
 CONTRACTOR TO EXPOSE EX. 16" MAIN & FURNISH ALL NEEDED FITTINGS & MATERIALS FOR CITY FORCES WORK. CONTRACTOR TO MAKE CONNECTION AFTER TESTING & CONDUCT TRENCH-CAP OPERATIONS AFTER COMPLETION OF CITY FORCES WORK
- ② CITY FORCES BEFORE CONTRACTOR
 STA. 6+22.2
 TEMP. CUT & PLUG OF EX. 8" AC WTR. MAIN RECONNECT AFTER ACCEPTANCE OF NEW MAIN CONTRACTOR TO EXPOSE EX. MAIN AND CONDUCT TRENCH-CAP OPERATIONS AFTER COMPLETION OF CITY FORCES WORK.
- ③ CITY FORCES BEFORE CONTRACTOR
 STA. 5+88.25 RT
 TEMP. CUT & PLUG OF EXIST 8" AC WTR. MAIN RECONNECT AFTER ACCEPTANCE OF NEW MAIN CONTRACTOR TO EXPOSE EX. MAIN AND CONDUCT TRENCH-CAP OPERATIONS AFTER COMPLETION OF CITY FORCES WORK.
- ④ BY CONTRACTOR
 STA. 1+69
 FURNISH & INSTALL:
 1 - 8" X 6" TEE (MJ, MJ, F)
 1 - 6" FH ASSY., LT
- ⑤ BY CONTRACTOR
 STA. 5+88
 FURNISH & INSTALL:
 1 - 8" TEE (F)
 2 - 8" FRS GV (F, MJ) BK, RT
 1 - 8" FRS GV (F) AND
 1 - 8" X 45" BEND (F, MJ) AND
 14" 8" PIPE, AND
 1 - 8" X 45" BEND (MJ) AND
 7" 8" PIPE, AND

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

CONTRACTOR'S NOTE:
 EXISTING UTILITY CROSSINGS ARE NOT REPRESENTATIVE OF ACTUAL LENGTH OF CONFLICT AREA (SEE PLAN VIEW).

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



CAUTION
 EX 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

- REFERENCE:
- WATER: 1311-D; 1312-D; 1316-D; 10602-D; 17245-D; 18028-D; 19238-D; 7660-W; WD-1124; 7363-69-L; 10167-L; 10072-L; 10073-L; 10074-L
- SEWER: 1311-D; 1312-D; 1316-D; 10602-D; 10700-D; 7363-69-L; 10167-L; 10072-L; 10073-L; 10074-L
- STORM DRAIN: 6424-D; 16166-D; 8187-L; 10162-L; 3477-AD
 GAS: 31/675-679, 681, 684-690; 39/36, 37, 38
 ELECTRIC: 222-1704, 1704B, 1704D; 222-1707
 CABLE TV: 222-1704
 TELEPHONE: 308; 310; 312; 3007; 3019; 3038; 3042
 IMPROVEMENTS: 7358-L; 7359-L; 7360-L
 FIELD BOOK: D-165-C; E-165-D



SCALE: 1" = 40'

PLANS FOR THE CONSTRUCTION OF WATER AND SEWER GROUP 533			
FRANKFORT STREET			
STA. 0+00 TO 6+15			
CITY OF SAN DIEGO, CALIFORNIA	WATER W.D. 186221		
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT	SEWER W.D. 179691		
SHEET 12 OF 30 SHEETS			
DATE: 3-25-04			
DESCRIPTION: ORIGINAL	APPROVED: [Signature]	DATE: JUN 12 04	FILED: [Signature]
CONTROL CERTIFICATION			
222-1707			
LAMBERT COORDINATES			
CONTRACTOR: _____	DATE STARTED: _____	31594-12-D	
INSPECTOR: _____	DATE COMPLETED: _____		

ILLION STREET SIDEWALK IMPROVEMENT

WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE SPECIFICATIONS AND STANDARD DRAWING OF THE CITY OF SAN DIEGO

STANDARD DRAWINGS & SPECIFICATIONS

STANDARD SPECIFICATIONS:

DOC. NO.	FILED	DESCRIPTION
1. 769331	5-02-97	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1997 EDITION), INCLUDING THE REGIONAL AND CITY OF SAN DIEGO SUPPLEMENTAL AMENDMENTS.
2. 769744	11-07-90	CALIFORNIA DEPARTMENT OF TRANSPORTATION, "MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES," (1990 EDITION)
3. 769814	10-21-93	1992 STANDARD SPECIAL PROVISIONS STREET LIGHTING & TRAFFIC SIGNAL SYSTEMS OF THE CITY OF SAN DIEGO
* 4. 769825	10-05-95	STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS

STANDARD DRAWINGS:

DOC. NO.	FILED	DESCRIPTION
1. 769332	5-02-97	CITY OF SAN DIEGO STANDARD DRAWINGS.
* 2. 769826	10-05-95	STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD PLANS (JULY 1992)

UNDERGROUND UTILITIES

AT LEAST THREE (3) WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR SHALL REQUEST MARKOUT OF UNDERGROUND UTILITIES BY CALLING THE BELOW LISTED REGIONAL NOTIFICATION CENTER FOR AN INQUIRY IDENTIFICATION NUMBER:

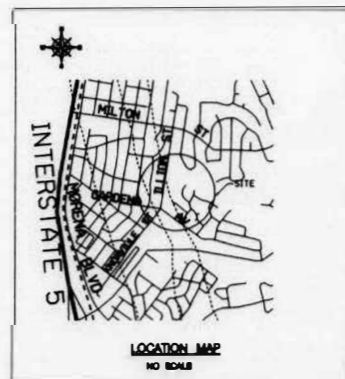
UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-422-4133

CONTRACTOR'S RESPONSIBILITIES

- THE CONTRACTOR SHALL ENFORCE ALL SAFETY MEASURES. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTS AND/OR BENCHMARKS WHICH WILL BE DESTROYED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS. ANY IMPROVEMENTS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED IN KIND TO ORIGINAL OR BETTER CONDITION.
- THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS AND BUSINESSES, WITHIN 0.1 MILE RADIUS OF THE CONSTRUCTION AREA AT LEAST TWO (2) WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- THE CONTRACTOR SHALL PLACE THE PROJECT SIGN AT THE SITE AT LEAST TWO (2) WEEKS PRIOR TO START OF CONSTRUCTION.



VICINITY MAP
NO SCALE



LOCATION MAP
NO SCALE

TRAFFIC CONTROL NOTES

THE CONTRACTOR SHALL, PER SECTION 7-10.1.2 OF THE SPECIAL PROVISIONS, PREPARE TRAFFIC CONTROL PLANS AND SHALL CALL THE ENGINEERING TRAFFIC CONTROL SECTION, AT (619) 533-4443, FOR AN APPOINTMENT TO APPLY FOR A TRAFFIC CONTROL PLAN (TCP) PERMIT. THE CONTRACTOR SHALL ALLOW A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK (FIVE (5) WORKING DAYS FOR STREET CLOSURES). UPON APPROVAL OF THE TRAFFIC CONTROL PLAN, THE ENGINEERING TRAFFIC CONTROL SECTION WILL ISSUE THE TCP PERMIT. WORK SHALL NOT BEGIN IN THE PUBLIC ROADWAY WITHOUT THE TCP PERMIT.

EXISTING UTILITIES

THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY LINES, PIPES, CONDUITS, AND OTHER STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY THE ENGINEER OF WORK BY A SEARCH OF AVAILABLE RECORDS AND A CURSORY EXAMINATION OF THE SITE. THE INFORMATION THUS OBTAINED IS A GUIDE ONLY AND SHALL NOT BE CONSTRUED TO RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR THE FINAL LOCATION AND PROTECTION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THE PLANS OR NOT.

THE CONTRACTOR SHALL MAKE EXPLORATORY EXAMINATIONS SUFFICIENTLY AHEAD OF TRENCHING OPERATIONS IN ORDER TO LOCATE EXISTING UNDERGROUND FACILITIES. THE CONTRACTOR, IF NECESSARY, SHALL PROVIDE THE ENGINEER WITH INFORMATION TO ADJUST THE PROJECT WORK.

SURVEY REFERENCE

REFERENCES:

City of San Diego Survey Field Notes
THOMAS BROTHERS MAP; PAGE 1268 GRID F1
MAP 3477, 4986, 1606.
DRAWING 6973-B
BASIS OF BEARINGS/COORDINATES:

PT 2 TO 35 1E: N 70°19'52"W POINT 2 WAS ESTABLISHED BY THREE POINT RESECTION USING POINTS 535 & 8 PER UG 553. POINT 35 IS SAME AS POINT 535 PER UG 553

BENCHMARK:
NWBP MAGDALENE WY & GARDENA AVE
EL: 33.77' MSL FEET PER CITY BENCH BOOK

SURVEY FOR RETAINING WALL

ILLION ST & GARDENA AVE.
18-18-01 VAUGHN DA PRON
523291
232-1701 O' MALLEY 222-1707
234-1704 DA PRON

LEGEND

IMPROVEMENTS	STANDARD DRAWINGS	SYMBOL
SIDEWALK	G-7	
CURB AND GUTTER	G-6	
CURB RAMP TYPE A, C1	G-30, G-31, G-32, SDG-100	
MASONRY RETAINING WALL TYPE 4	C-4	



PLANS FOR THE CONSTRUCTION OF ILLION STREET SIDEWALK IMPROVEMENTS

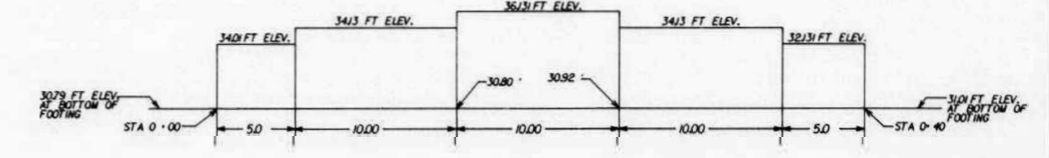
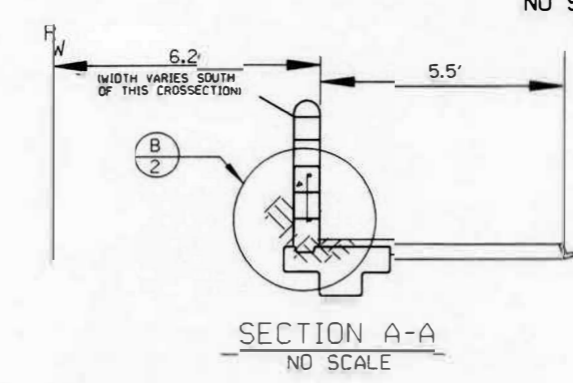
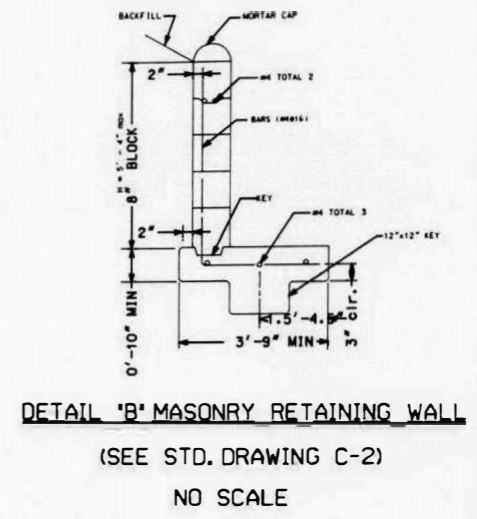
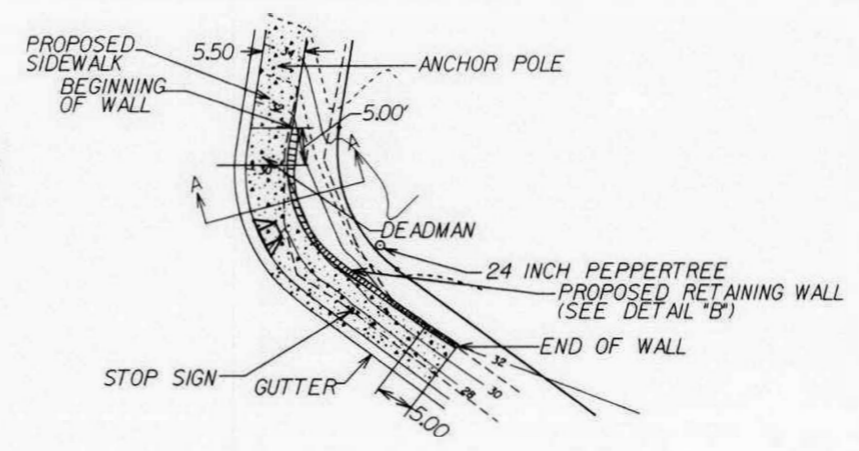
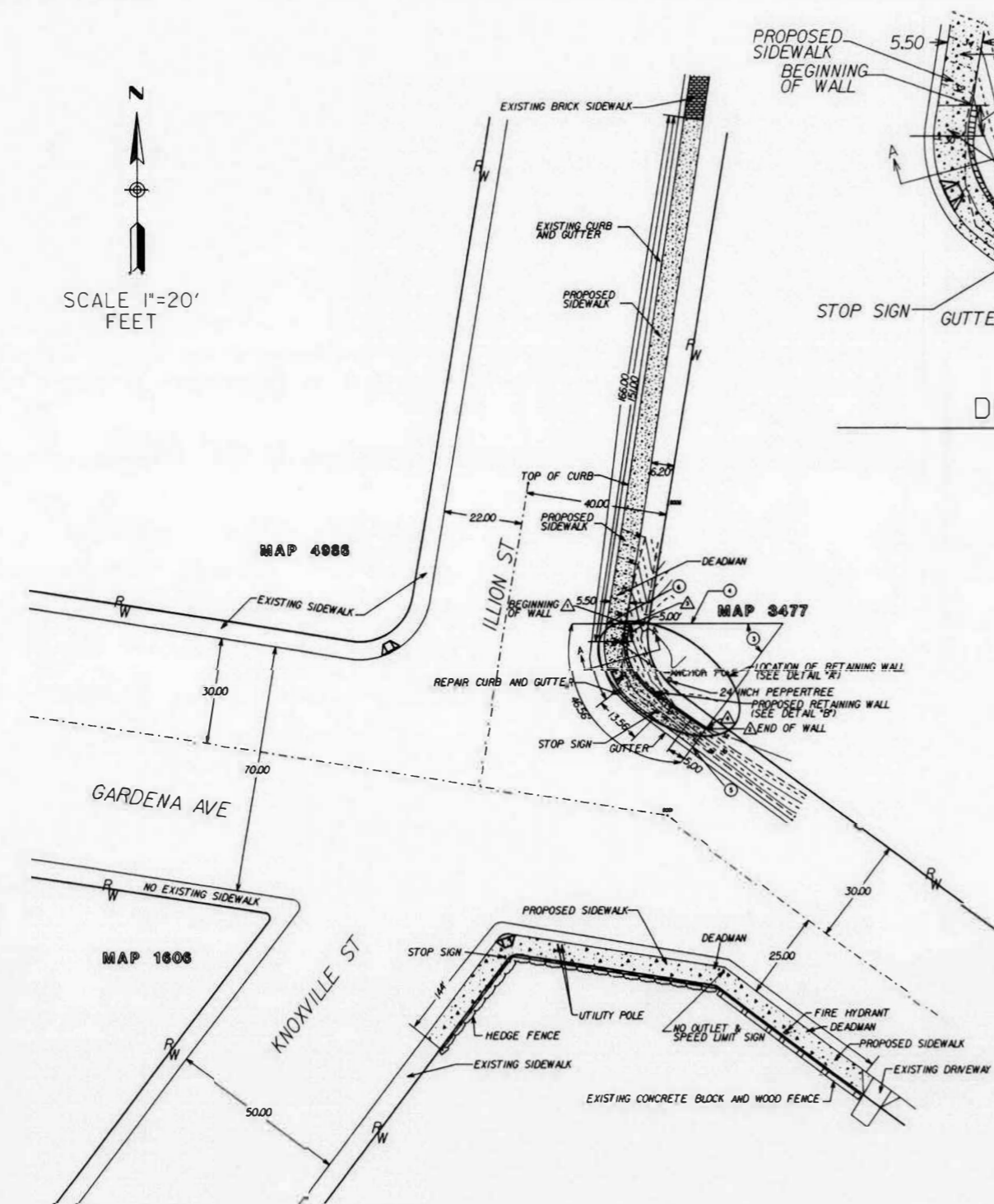
ILLION STREET AT GARDENA AVENUE

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 1 OF 2 SHEETS		U.D. NO. 523292
CONTRACTOR MUST NOTIFY THE BELOW LISTED AGENCY AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION:		DESIGNED BY: JAJAL BATTI
DESCRIPTION	DRAWN BY	DATE
ORIGINAL	ED	2/7/03
APPROVED	DATE	FILED
		888 01 09
ELIZABETH DUNN DESIGN ENGINEER		
232-1701		
LAMBERT COORDINATES		
AS-BUILT		
CONTRACTOR: Jajal & Batta		DATE STARTED: 12-13-02
INSPECTOR: J. Quinn		DATE COMPLETED: 12-03-02
UNDERGROUND SERVICE ALERT (USA) 1-800-422-4133		31660-1-10

AS-BUILT

ILLION STREET SIDEWALK

SCALE 1"=20' FEET



COORDINATION DATA			
WALL (FACE OF) COORDINATES			
NUMBER	DISCRPTION	NORTHING	EASTING
1	BEGINNING OF RETAINING WALL	1864231.792	6269788.393
2	END OF RETAINING WALL	1864201.283	6269809.288
3	BC	1864226.652	6269787.615
4	EC	1864213.183	6269793.213
CURVE DATA			
3	Δ (DELTA) = 62° 26' 15"		
4	RADIUS = 14.25' AND LENGTH = 15.53'		
5	TOP OF CURB	1864230.76	6269782.36
6	TOP OF CURB	1864196.06	6269806.39

PLANS FOR THE CONSTRUCTION OF ILLION STREET SIDEWALK IMPROVEMENTS

ILLION STREET AT GARDENA AVENUE

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 2 OF 2 SHEETS

CONTRACTOR MUST NOTIFY THE BELOW LISTED AGENCY AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION:

UNDERGROUND SERVICE ALERT (USA) 1-800-422-4133

REGISTERED PROFESSIONAL ENGINEER
JAMES B. BATTIA
No. 04828
Exp. 6-30-04
CIVIL
STATE OF CALIFORNIA

DATE STARTED 11-15-03
DATE COMPLETED 12-05-03

PROJECT NUMBER 31660-2-D

AS-BUILT

ILLION STREET SIDEWALK

HORIZONTAL ALIGNMENT COORDINATE INDEX REPORT

Alignment Name:
SAVANNAH - 12" PVC WATER

Element: Linear
POB (100) 1+00.00 1861446.65 6269362.04
PI (101) 1+33.01 1861423.17 6269393.57
Tangential Direction: S 53° 19' 23" E
Tangential Length: 33.01

Element: Linear
PI (101) 1+33.01 1861423.17 6269393.57
PI (102) 5+24.78 1861892.93 6269702.72
Tangential Direction: S 53° 19' 23" E
Tangential Length: 385.46

Element: Linear
PI (102) 5+24.78 1861892.93 6269702.72
PI (103) 9+36.90 1860945.62 6270034.89
Tangential Direction: S 53° 19' 49" E
Tangential Length: 414.13

Element: Linear
PI (103) 9+36.90 1860945.62 6270034.89
POE (104) 10+40.54 1860884.92 6270116.41
Tangential Direction: S 53° 19' 49" E
Tangential Length: 101.64

Alignment Name:
CUSHMAN - 12" PVC WATER

Element: Linear
POB (200) 1+00.00 1860884.92 6270116.41
PI (201) 2+12.54 1860794.66 6270049.18
Tangential Direction: S 36° 40' 55" W
Tangential Length: 112.54

Element: Linear
PI (201) 2+12.54 1860794.66 6270049.18
PI (202) 4+02.27 1860642.51 6269935.84
Tangential Direction: S 36° 40' 55" W
Tangential Length: 189.73

Element: Linear
PI (202) 4+02.27 1860642.51 6269935.84
PI (203) 4+53.33 1860596.75 6269990.76
Tangential Direction: S 36° 40' 55" W
Tangential Length: 57.06

Element: Linear
PI (203) 4+53.33 1860596.75 6269990.76
PI (204) 5+26.18 1860543.14 6269961.82
Tangential Direction: S 36° 40' 55" W
Tangential Length: 66.55

Element: Linear
PI (204) 5+26.18 1860543.14 6269961.82
POE (205) 6+44.00 1860473.31 6269908.56
Tangential Direction: S 37° 20' 04" W
Tangential Length: 87.82

Alignment Name:
CUSHMAN PLAGE - 8" PVC WATER

Element: Linear
POB (300) 1+00.00 1860794.66 6270049.18
PI (301) 2+17.00 1860688.95 6270319.15
Tangential Direction: S 37° 19' 43" E
Tangential Length: 177.00

Element: Linear
PI (301) 2+17.00 1860688.95 6270319.15
POE (302) 4+23.60 1860601.40 6270308.74
Tangential Direction: S 53° 19' 43" E
Tangential Length: 146.60

Alignment Name:
MOLLIE - 12" PVC WATER

Element: Linear
POB (400) 1+00.00 1860293.04 6271177.86
PI (401) 1+33.01 1860213.23 6271144.49
Tangential Direction: S 53° 38' 09" E
Tangential Length: 33.01

Element: Linear
PI (401) 1+33.01 1860213.23 6271144.49
PI (402) 2+39.55 186012.42 6271186.81
Tangential Direction: S 14° 43' 32" E
Tangential Length: 186.48

Element: Linear
PI (402) 2+39.55 186012.42 6271186.81
PI (403) 3+35.11 1860071.74 6271155.92
Tangential Direction: S 14° 43' 32" E
Tangential Length: 35.86

Element: Linear
PI (403) 3+35.11 1860071.74 6271155.92
PI (404) 3+46.41 1860074.90 6271185.30
Tangential Direction: S 14° 43' 37" E
Tangential Length: 40.50

Element: Linear
PI (404) 3+46.41 1860074.90 6271185.30
POE (405) 3+56.32 1860035.73 6271195.59
Tangential Direction: S 14° 43' 37" E
Tangential Length: 40.50

Alignment Name:
LADRETTA - 12" PVC WATER

Element: Linear
POB (500) 1+00.00 1860077.74 6271195.92
PI (501) 2+30.00 186011.32 6271170.51
Tangential Direction: N 75° 01' 56" E
Tangential Length: 130.00

Element: Linear
PI (501) 2+30.00 186011.32 6271170.51
PI (502) 5+60.55 1860196.69 6271640.84
Tangential Direction: N 75° 01' 56" E
Tangential Length: 330.55

Element: Linear
PI (502) 5+60.55 1860196.69 6271640.84
PI (503) 5+70.55 1860199.25 6271650.51
Tangential Direction: N 88° 22' 38" E
Tangential Length: 64.87

Element: Linear
PI (503) 5+70.55 1860199.25 6271650.51
PI (504) 6+35.42 1860201.09 6271715.36
Tangential Direction: N 88° 22' 38" E
Tangential Length: 64.87

Element: Linear
PI (504) 6+35.42 1860201.09 6271715.36
PI (505) 10+52.01 1860307.67 6272188.91
Tangential Direction: N 75° 12' 18" E
Tangential Length: 417.39

Element: Linear
PI (505) 10+52.01 1860307.67 6272188.91
PI (506) 14+30.33 1860415.30 6272542.99
Tangential Direction: N 75° 45' 37" E
Tangential Length: 437.52

Element: Linear
PI (506) 14+30.33 1860415.30 6272542.99
PI (507) 16+17.39 1860461.43 6272724.26
Tangential Direction: N 75° 43' 19" E
Tangential Length: 311.90

Element: Linear
PI (507) 16+17.39 1860461.43 6272724.26
PI (508) 19+89.29 1860538.36 6273026.53
Tangential Direction: N 75° 43' 19" E
Tangential Length: 311.90

Element: Linear
PI (508) 19+89.29 1860538.36 6273026.53
PI (509) 20+15.27 1860544.77 6273051.71
Tangential Direction: N 75° 42' 13" E
Tangential Length: 25.88

Element: Linear
PI (509) 20+15.27 1860544.77 6273051.71
POE (510) 24+39.80 1860549.55 6273463.11
Tangential Direction: N 75° 42' 40" E
Tangential Length: 424.53

Alignment Name:
COLUSA - 12" PVC WATER

Element: Linear
POB (600) 1+00.00 1860140.03 6272408.51
PI (601) 1+30.11 1859808.16 6272360.88
Tangential Direction: S 25° 51' 33" E
Tangential Length: 30.51

Element: Linear
PI (601) 1+30.11 1859808.16 6272360.88
PI (602) 3+37.43 1860676.34 6272474.01
Tangential Direction: S 14° 36' 33" E
Tangential Length: 206.93

Element: Linear
PI (602) 3+37.43 1860676.34 6272474.01
POE (603) 5+07.44 186045.30 6272542.99
Tangential Direction: S 18° 48' 08" E
Tangential Length: 210.00

Element: Linear
PI (603) 5+07.44 186045.30 6272542.99
PI (604) 6+33.98 185985.88 6272698.26
Tangential Direction: S 14° 22' 32" E
Tangential Length: 52.52

Element: Linear
PI (604) 6+33.98 185985.88 6272698.26
PI (605) 6+56.02 1859823.79 6272729.31
Tangential Direction: N 75° 42' 25" E
Tangential Length: 32.04

Element: Linear
PI (605) 6+56.02 1859823.79 6272729.31
PI (606) 8+22.53 1859862.43 6272880.97
Tangential Direction: N 75° 42' 25" E
Tangential Length: 156.50

Element: Linear
PI (606) 8+22.53 1859862.43 6272880.97
PI (607) 8+51.9 1859871.40 6272939.75
Tangential Direction: N 75° 42' 25" E
Tangential Length: 60.66

Element: Linear
PI (607) 8+51.9 1859871.40 6272939.75
PI (608) 11+32.59 1859938.98 6273181.44
Tangential Direction: N 75° 42' 25" E
Tangential Length: 249.41

Element: Linear
PI (608) 11+32.59 1859938.98 6273181.44
PI (609) 11+57.15 1859945.09 6273205.43
Tangential Direction: N 75° 42' 25" E
Tangential Length: 24.76

Element: Linear
PI (609) 11+57.15 1859945.09 6273205.43
POE (610) 13+82.87 1860000.64 6273424.00
Tangential Direction: N 75° 44' 29" E
Tangential Length: 225.52

Alignment Name:
LOVELOCK - 12" PVC WATER

Element: Linear
POB (700) 1+00.00 1859384.4 6268618.03
PI (800) 3+40.00 1859394.86 6268810.57
Tangential Direction: S 53° 20' 38" E
Tangential Length: 240.00

Element: Linear
PI (800) 3+40.00 1859394.86 6268810.57
PI (801) 3+53.54 1859305.71 6268891.52
Tangential Direction: N 75° 44' 52" E
Tangential Length: 13.64

Element: Linear
PI (801) 3+53.54 1859305.71 6268891.52
PI (802) 4+58.85 1859300.02 6268936.00
Tangential Direction: S 53° 20' 38" E
Tangential Length: 45.20

Element: Linear
PI (802) 4+58.85 1859300.02 6268936.00
PI (803) 4+58.85 1859300.02 6268936.00
Tangential Direction: S 53° 20' 38" E
Tangential Length: 25.34

Element: Linear
PI (803) 4+58.85 1859300.02 6268936.00
PI (804) 5+43.9 1859284.89 6268958.33
Tangential Direction: S 53° 20' 38" E
Tangential Length: 75.81

Element: Linear
PI (804) 5+43.9 1859284.89 6268958.33
PI (805) 6+32.00 1859280.23 6268964.60
Tangential Direction: S 53° 21' 35" E
Tangential Length: 75.81

Element: Linear
PI (805) 6+32.00 1859280.23 6268964.60
PI (806) 6+32.00 1859280.23 6268964.60
Tangential Direction: N 81° 44' 43" E
Tangential Length: 9.91

Element: Linear
PI (806) 6+32.00 1859280.23 6268964.60
PI (807) 5+58.09 1859272.00 6268987.39
Tangential Direction: S 53° 20' 37" E
Tangential Length: 16.71

Element: Linear
PI (807) 5+58.09 1859272.00 6268987.39
PI (808) 5+58.09 1859272.00 6268987.39
Tangential Direction: S 53° 20' 38" E
Tangential Length: 11.36

Element: Linear
PI (808) 5+58.09 1859272.00 6268987.39
PI (809) 5+58.09 1859272.00 6268987.39
Tangential Direction: S 53° 20' 35" E
Tangential Length: 168.53

Element: Linear
PI (809) 5+58.09 1859272.00 6268987.39
PI (810) 7+86.31 185935.74 6269170.48
Tangential Direction: S 53° 20' 42" E
Tangential Length: 48.33

Element: Linear
PI (810) 7+86.31 185935.74 6269170.48
PI (811) 9+38.20 1859045.08 6269292.34
Tangential Direction: S 53° 19' 42" E
Tangential Length: 151.89

Element: Linear
PI (811) 9+38.20 1859045.08 6269292.34
PI (812) 10+14.29 1858999.64 6269353.36
Tangential Direction: S 53° 19' 42" E
Tangential Length: 76.09

Element: Linear
PI (812) 10+14.29 1858999.64 6269353.36
PI (813) 10+14.29 1858999.64 6269353.36
Tangential Direction: S 53° 20' 37" E
Tangential Length: 95.92

Element: Linear
PI (813) 10+14.29 1858999.64 6269353.36
PI (814) 11+20.11 1858932.58 6269431.75
Tangential Direction: S 8° 20' 39" E
Tangential Length: 9.50

Element: Linear
PI (814) 11+20.11 1858932.58 6269431.75
POE (815) 11+70.11 1858902.73 6269411.86
Tangential Direction: S 53° 20' 38" E
Tangential Length: 50.00

C-16

WATER GROUP 922
WATER ALIGNMENT SHEET

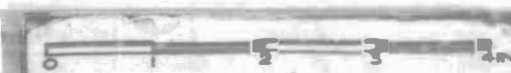
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 17 OF 17 SHEETS		WATER #05 B-10172
APPROVED: <i>[Signature]</i> 4-28-14		SEWER #02 NONE
DEPARTMENT ENGINEER	DATE	PROJECT MANAGER ALICE ALTES
DESCRIPTION	BY	PROJECT ENGINEER NICHELLE GARCIA-QUIRO
ORIGINAL	CM/AC	DATE
		4-25-14
		2
		4-25-14
CONTRACTOR SIGNATURE		DATE STARTED
INSPECTOR		DATE COMPLETED
4-18-2014		4-30-2014
1858444-6268407		36595-17-D

HARRIS & ASSOCIATES
750 B Street, Suite 1800
San Diego, CA 92101
(619) 236-1178 • FAX (619) 236-1173

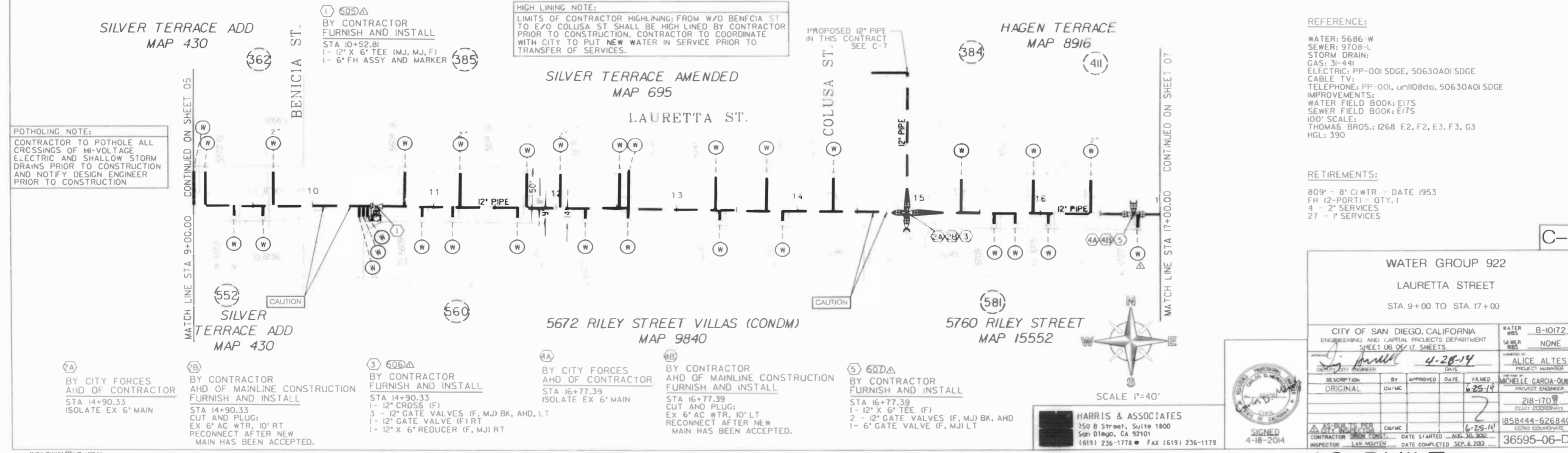
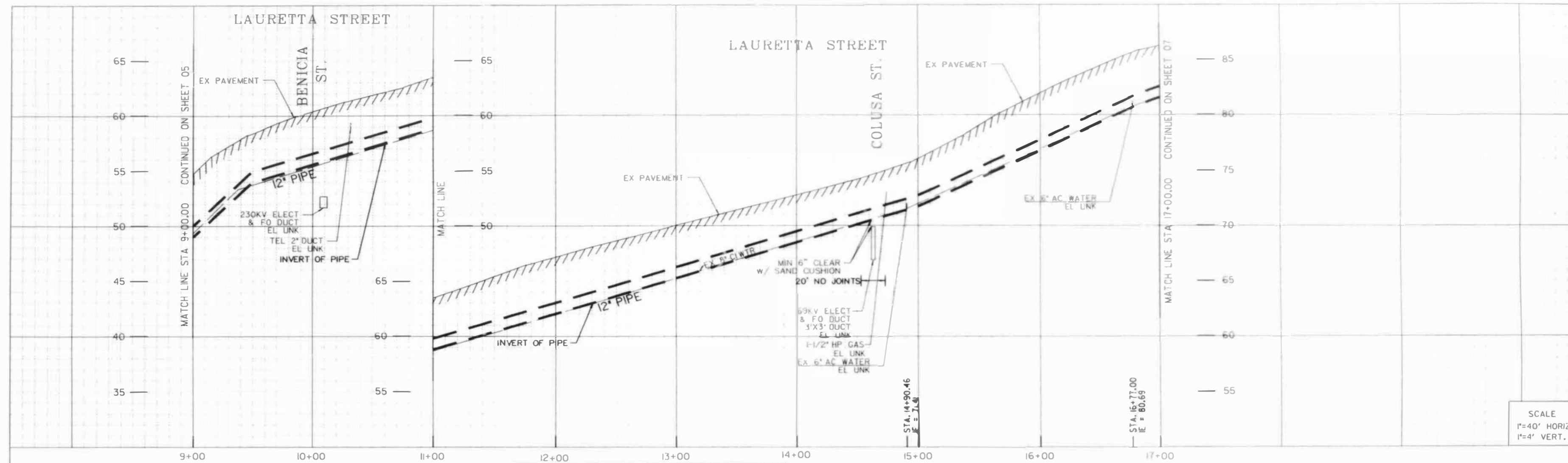


AS-BUILT

FILED FROM THE ORIGINAL - BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.



HORIZONTAL ALIGNMENT COORDINATE INDEX REPORT



POTHOLING NOTE:
 CONTRACTOR TO POTHOLE ALL CROSSINGS OF HI-VOLTAGE ELECTRIC AND SHALLOW STORM DRAINS PRIOR TO CONSTRUCTION AND NOTIFY DESIGN ENGINEER PRIOR TO CONSTRUCTION

HIGH LINING NOTE:
 LIMITS OF CONTRACTOR HIGH-LINING: FROM W/O BENECIA ST. TO E/O COLUSA ST. SHALL BE HIGH LINED BY CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH CITY TO PUT NEW WATER IN SERVICE PRIOR TO TRANSFER OF SERVICES.

REFERENCE:
 WATER: 5686 W
 SEWER: 9708-L
 STORM DRAIN: GAS: 30+44
 ELECTRIC: PP-001 SDGE, 50630A01 SDGE
 CABLE TV: TELEPHONE: PP-001, un1108da, 50630A01 SDGE
 IMPROVEMENTS: WATER FIELD BOOK: E175
 SEWER FIELD BOOK: E175
 100' SCALE: THOMAS BROS.: I268 E2, F2, E3, F3, G3
 HGL: 390

RETIREMENTS:
 80' - 8" CI WTR - DATE 1953
 FH (2-PORT) - QTY. 1
 4 - 2" SERVICES
 27 - 1" SERVICES

(2A) BY CITY FORCES AND OF CONTRACTOR STA 14+90.33 ISOLATE EX 6" MAIN

(2B) BY CONTRACTOR AND OF MAINLINE CONSTRUCTION FURNISH AND INSTALL STA 14+90.33 CUT AND PLUG: EX 6" AC WTR, 10' RT RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.

(3) 605A BY CONTRACTOR FURNISH AND INSTALL STA 14+90.33 1 - 12" CROSS (F) 3 - 12" GATE VALVES (F, MJ) BK, AND, LT 1 - 12" GATE VALVE (F) RT 1 - 12" X 6" REDUCER (F, MJ) RT

(4A) BY CITY FORCES AND OF CONTRACTOR STA 16+77.39 ISOLATE EX 6" MAIN

(4B) BY CONTRACTOR AND OF MAINLINE CONSTRUCTION FURNISH AND INSTALL STA 16+77.39 CUT AND PLUG: EX 6" AC WTR, 10' LT RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.

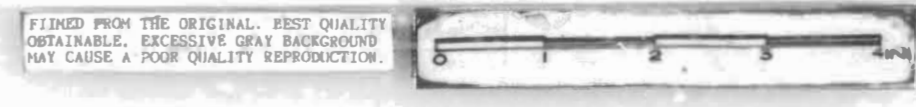
(5) 605A BY CONTRACTOR FURNISH AND INSTALL STA 16+77.39 1 - 12" X 6" TEE (F) 2 - 12" GATE VALVES (F, MJ) BK, AND 1 - 6" GATE VALVE (F, MJ) LT

HARRIS & ASSOCIATES
 750 B Street, Suite 1800
 San Diego, CA 92101
 (619) 236-1178 • FAX (619) 236-1175



WATER GROUP 922			
LAURETTA STREET			
STA 9+00 TO STA 17+00			
CITY OF SAN DIEGO, CALIFORNIA			
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT			
SHEET 06 OF 17 SHEETS			
DATE	APPROVED	DATE	FILED
4-28-14	[Signature]	6-25-14	2
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	CV/AC		
AS-BUILT FOR		DATE STARTED	DATE COMPLETED
CONTRACTOR: [Signature]		AUG 30, 2014	SEP 2, 2014
INSPECTOR: LAM NGUYEN		36595-06-D	

AS-BUILT



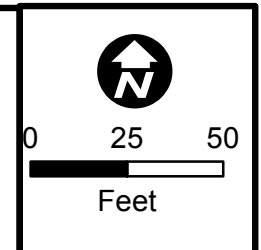
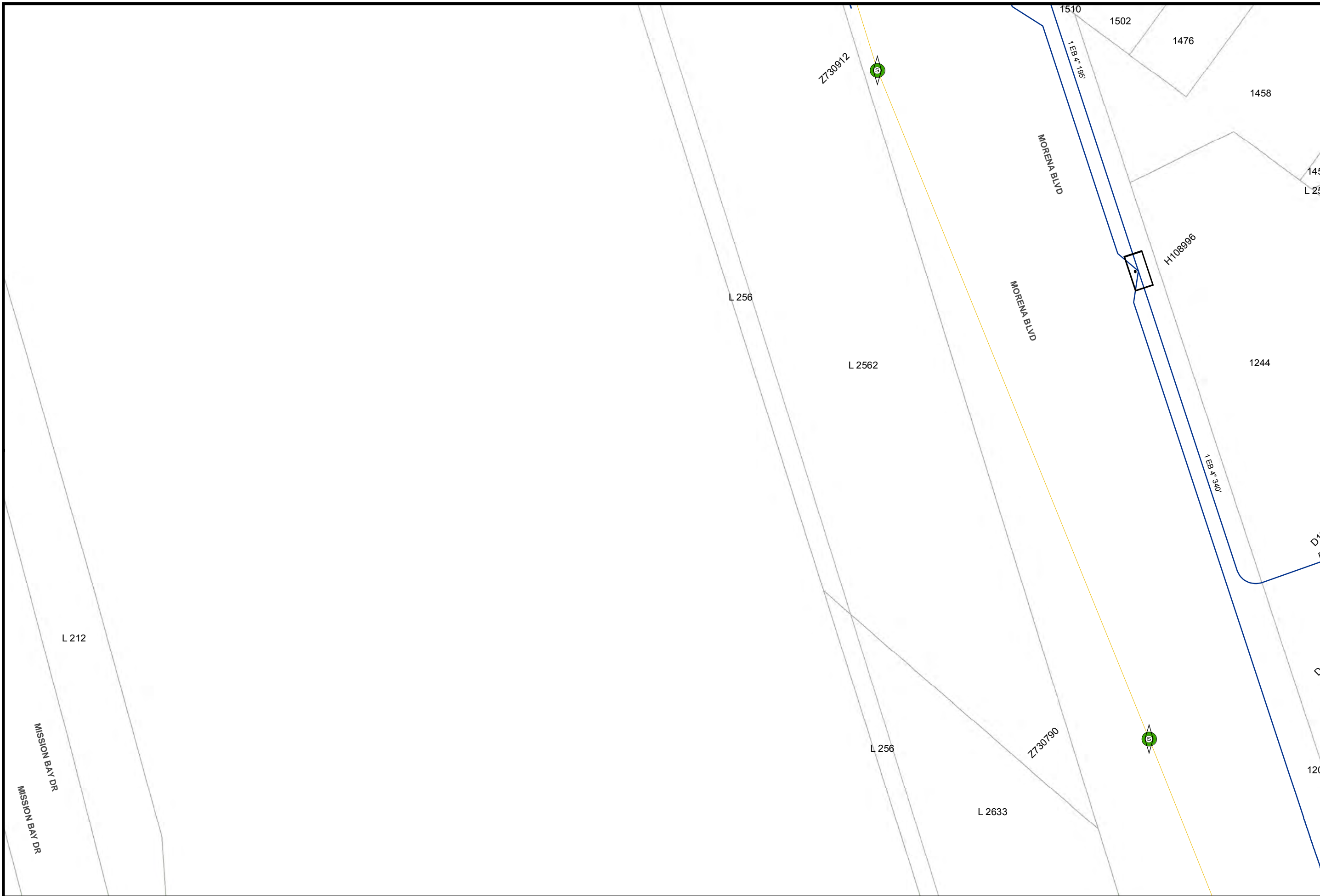
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LAURETTA STREET

C-5

APPENDIX S
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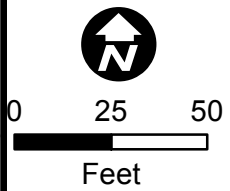
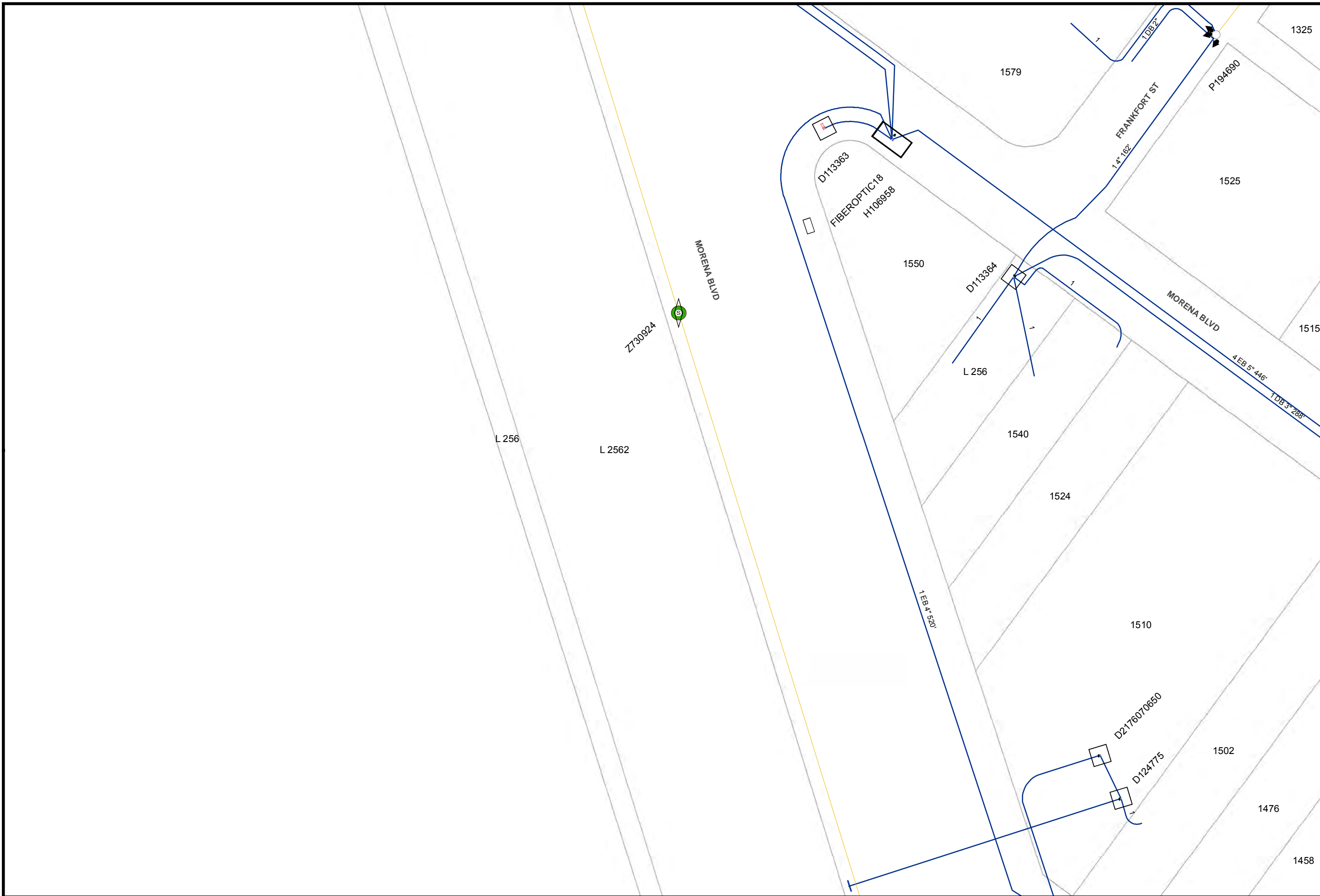
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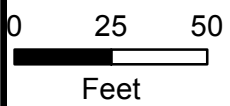




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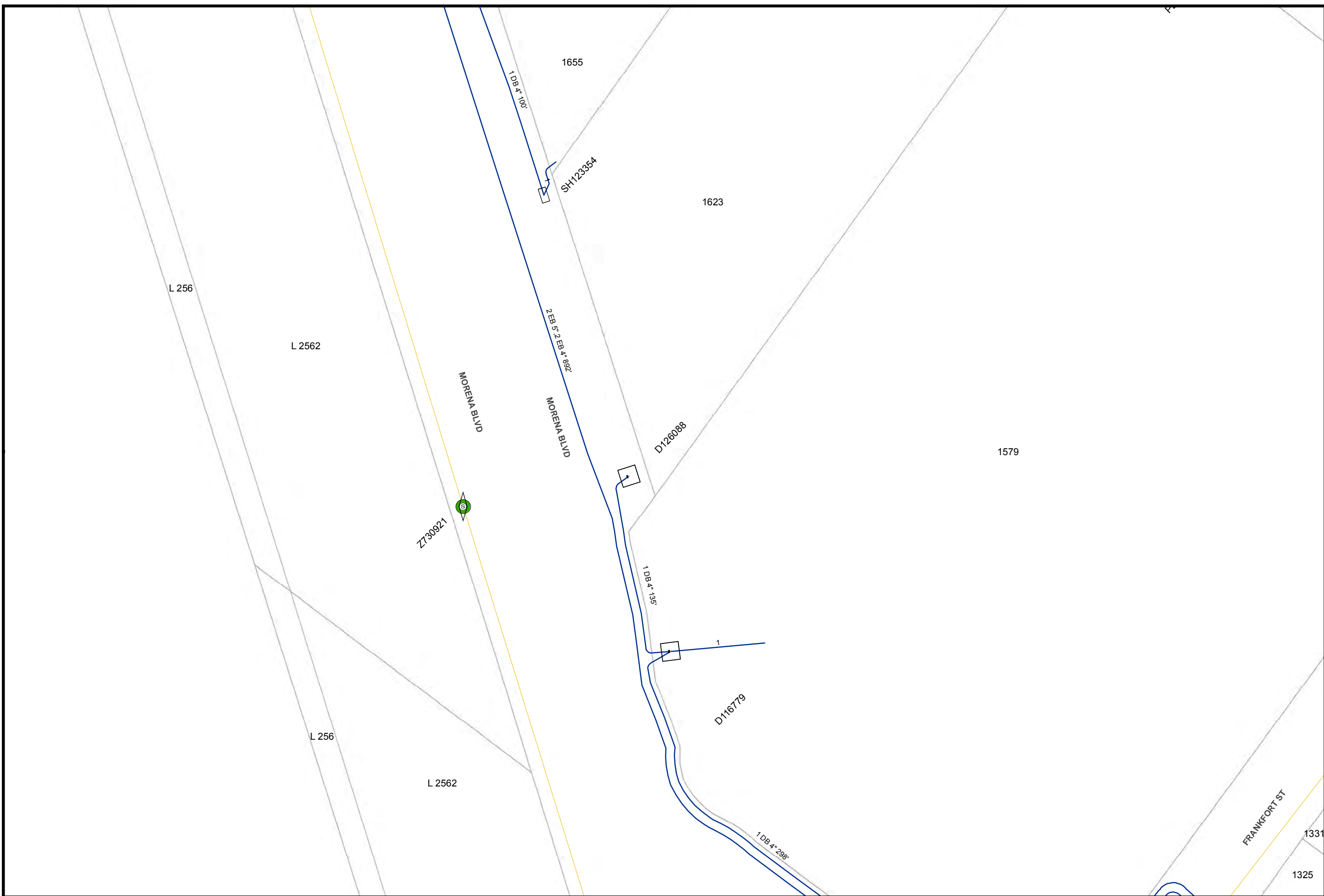
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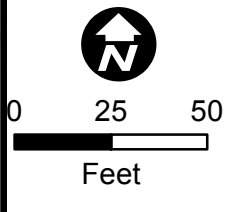
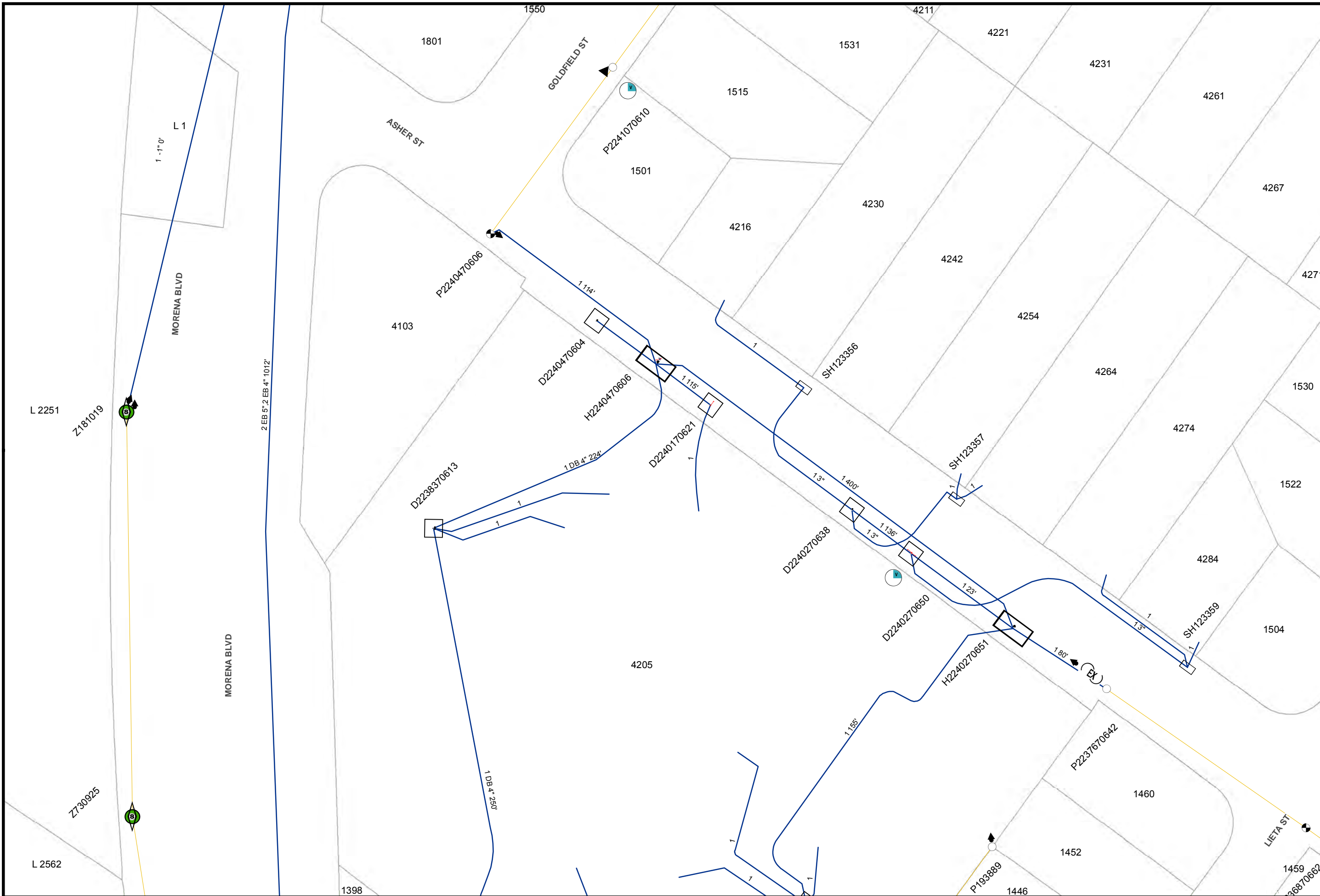
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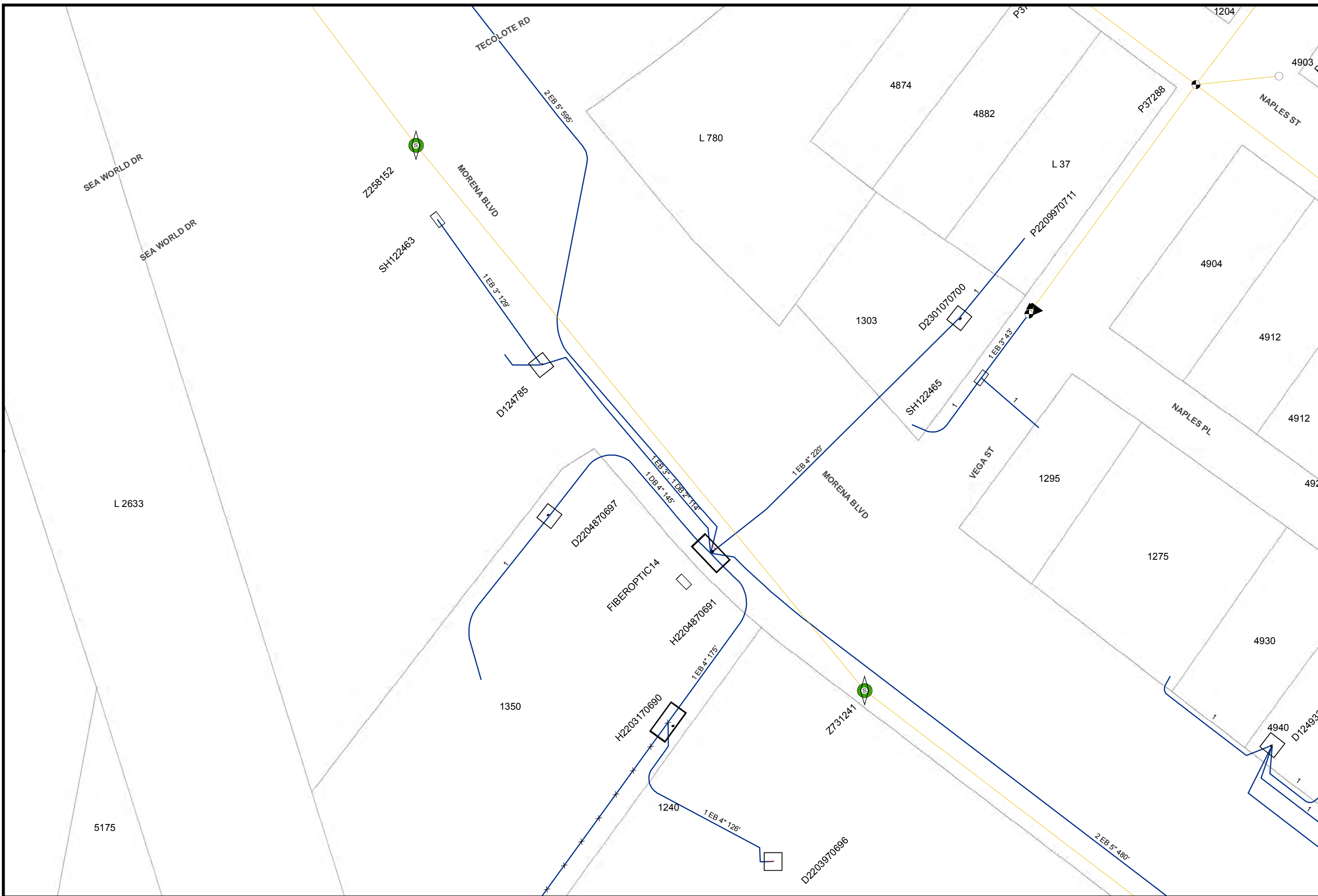


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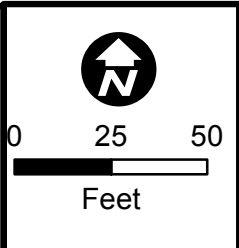
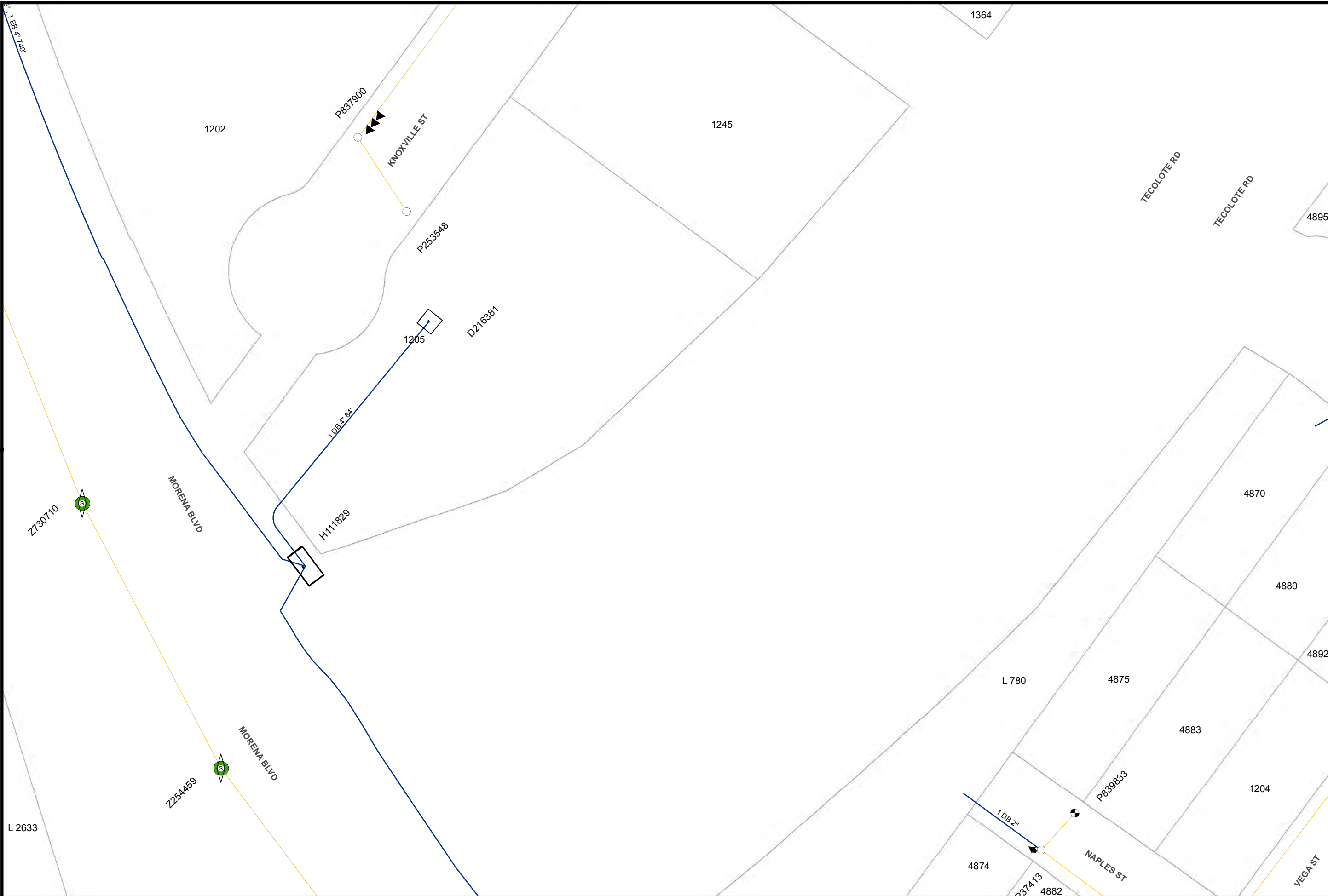
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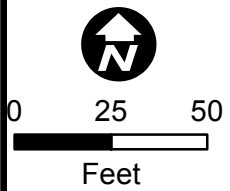
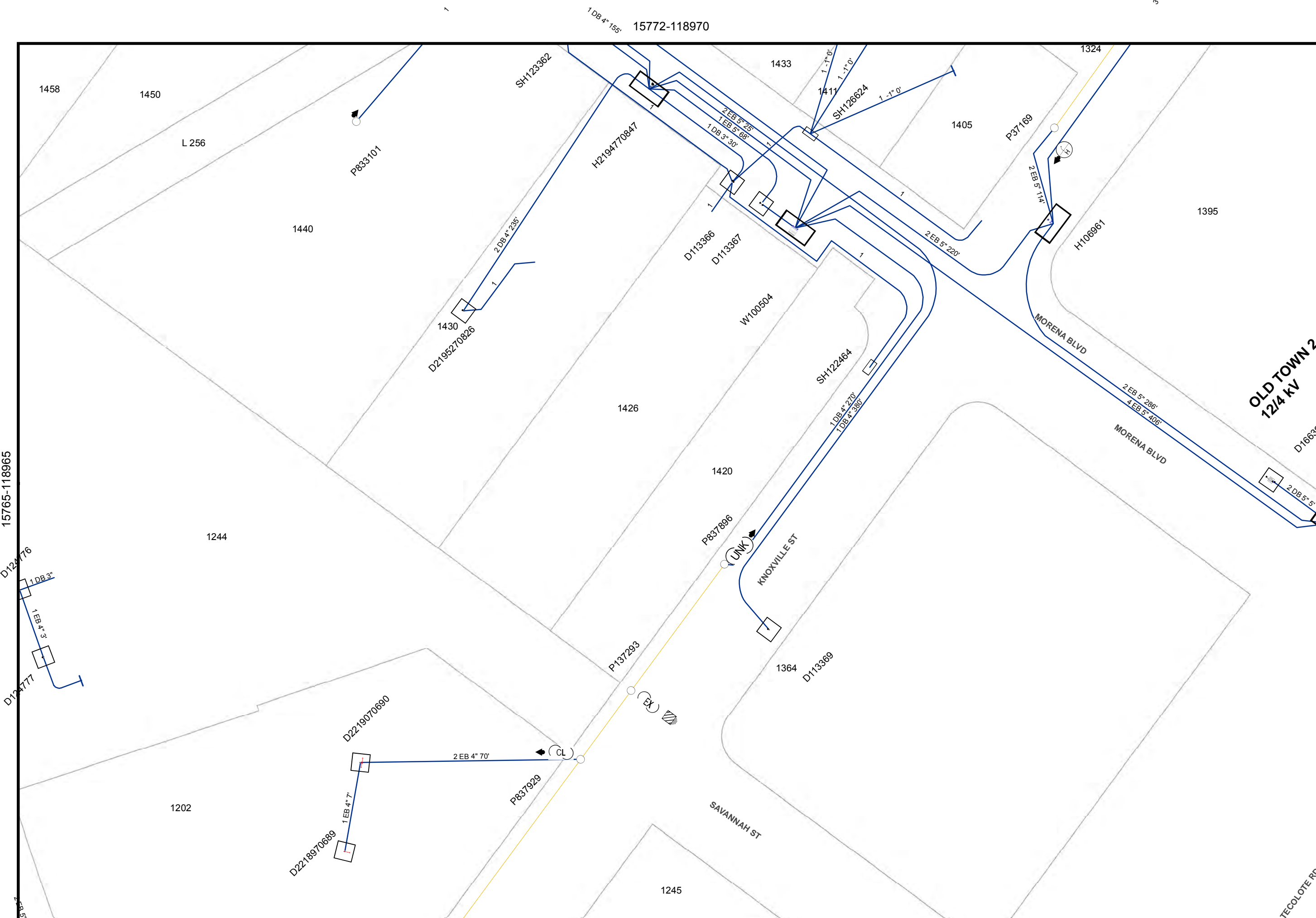
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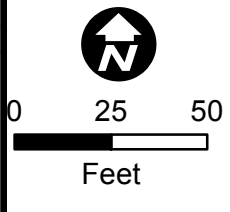
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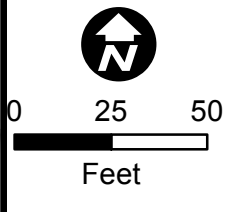
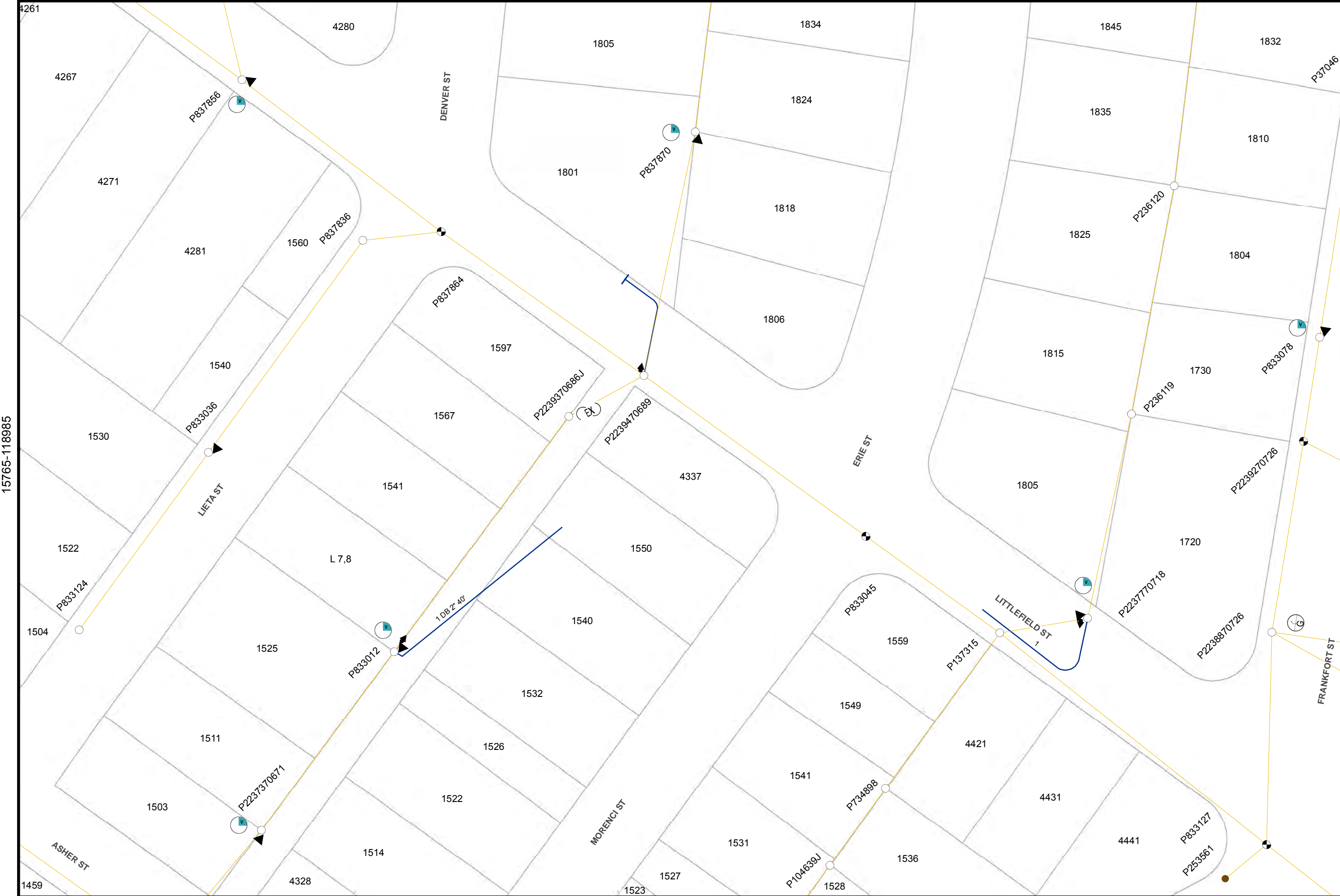




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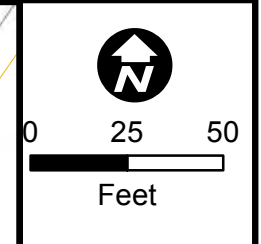
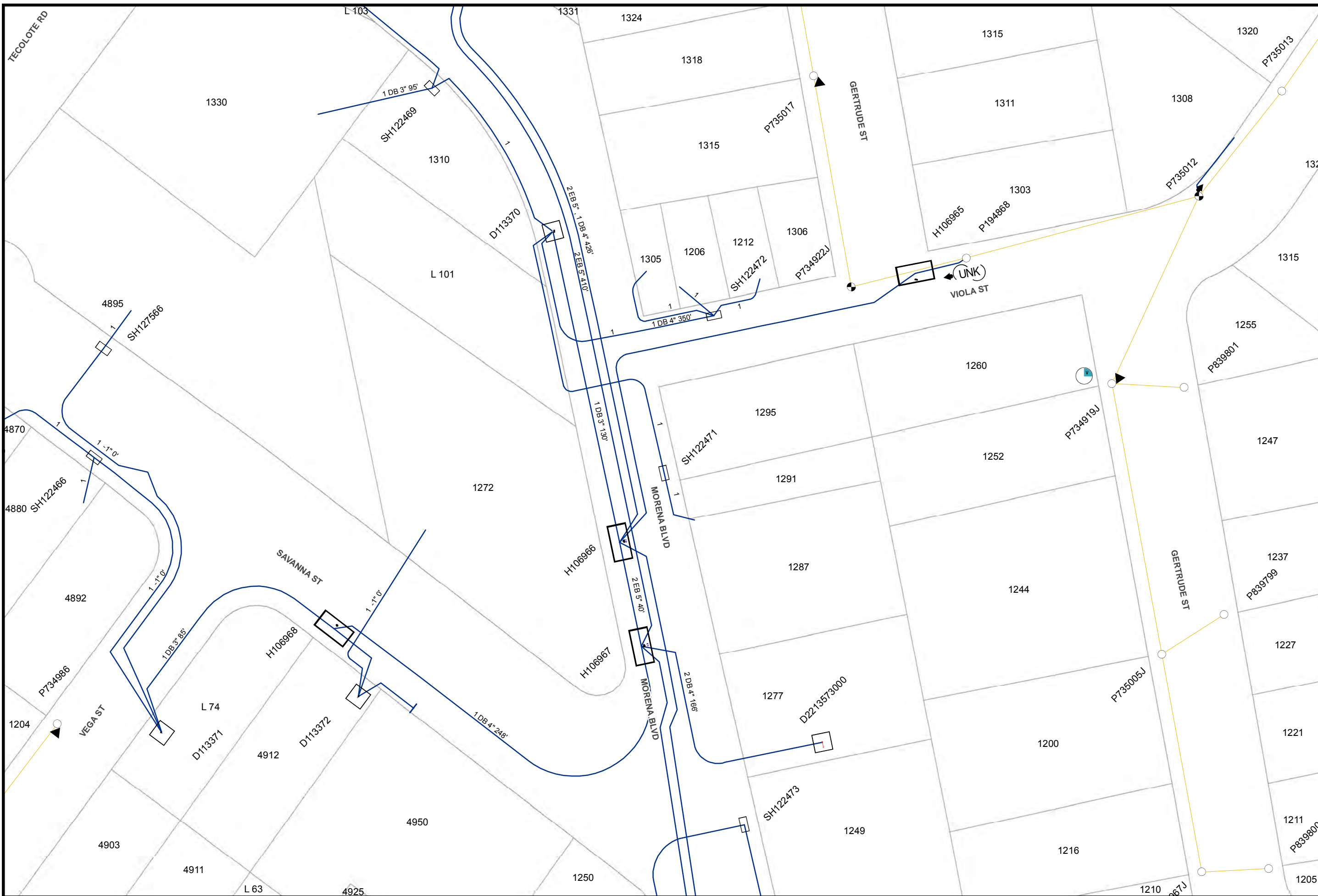
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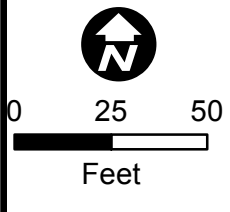
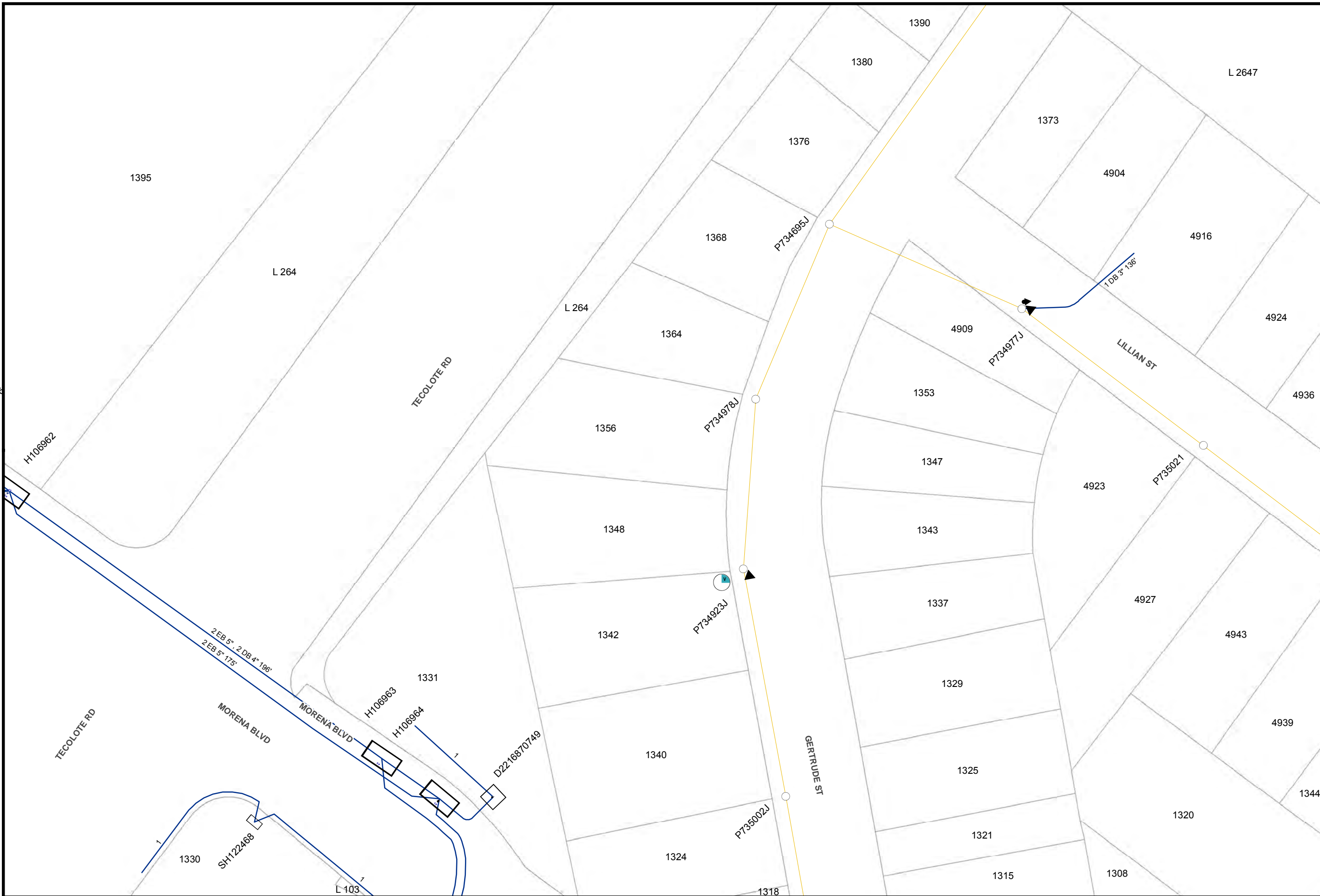
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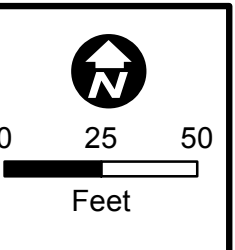
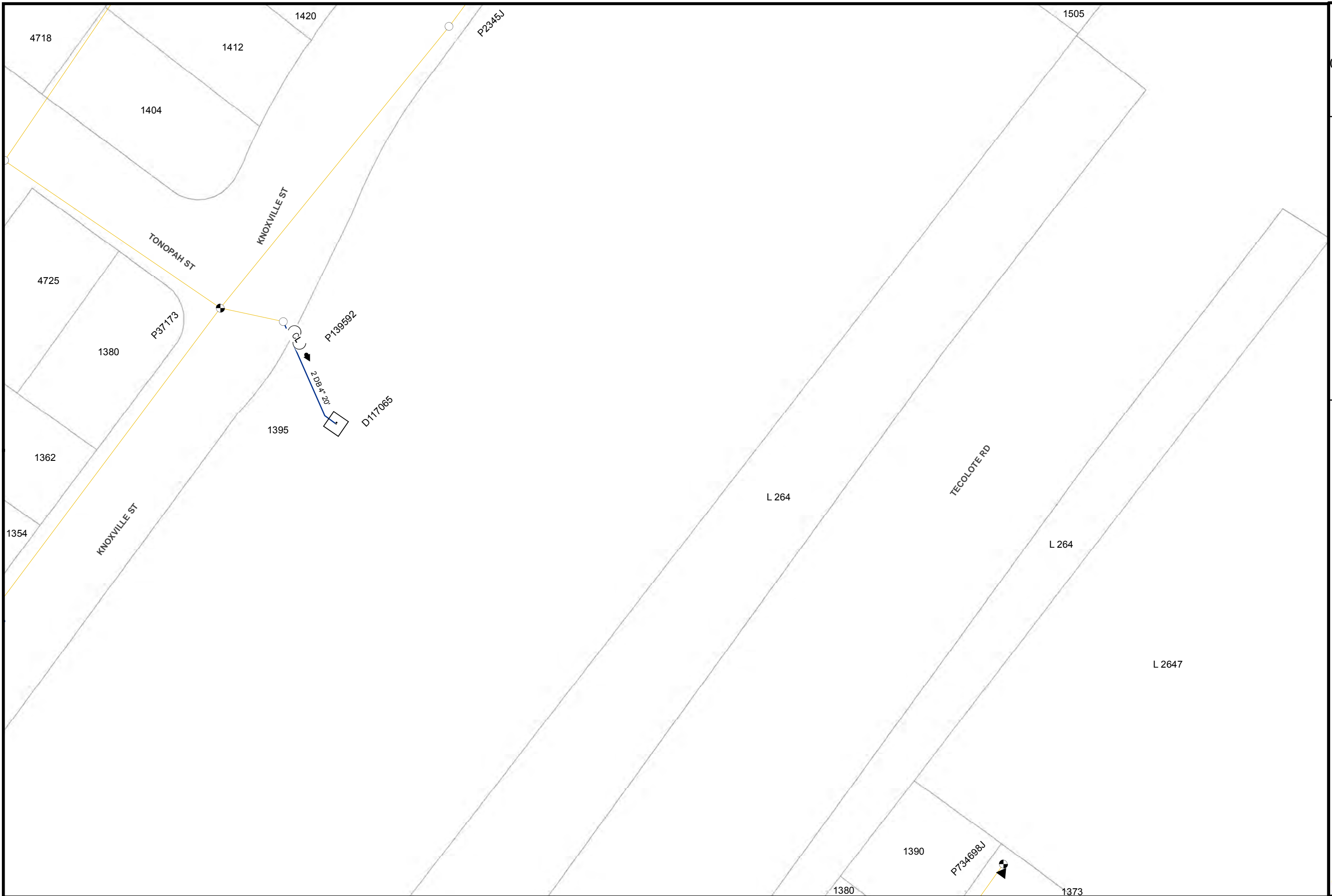
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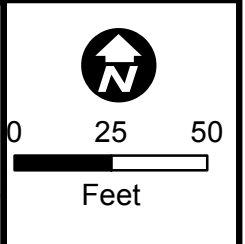
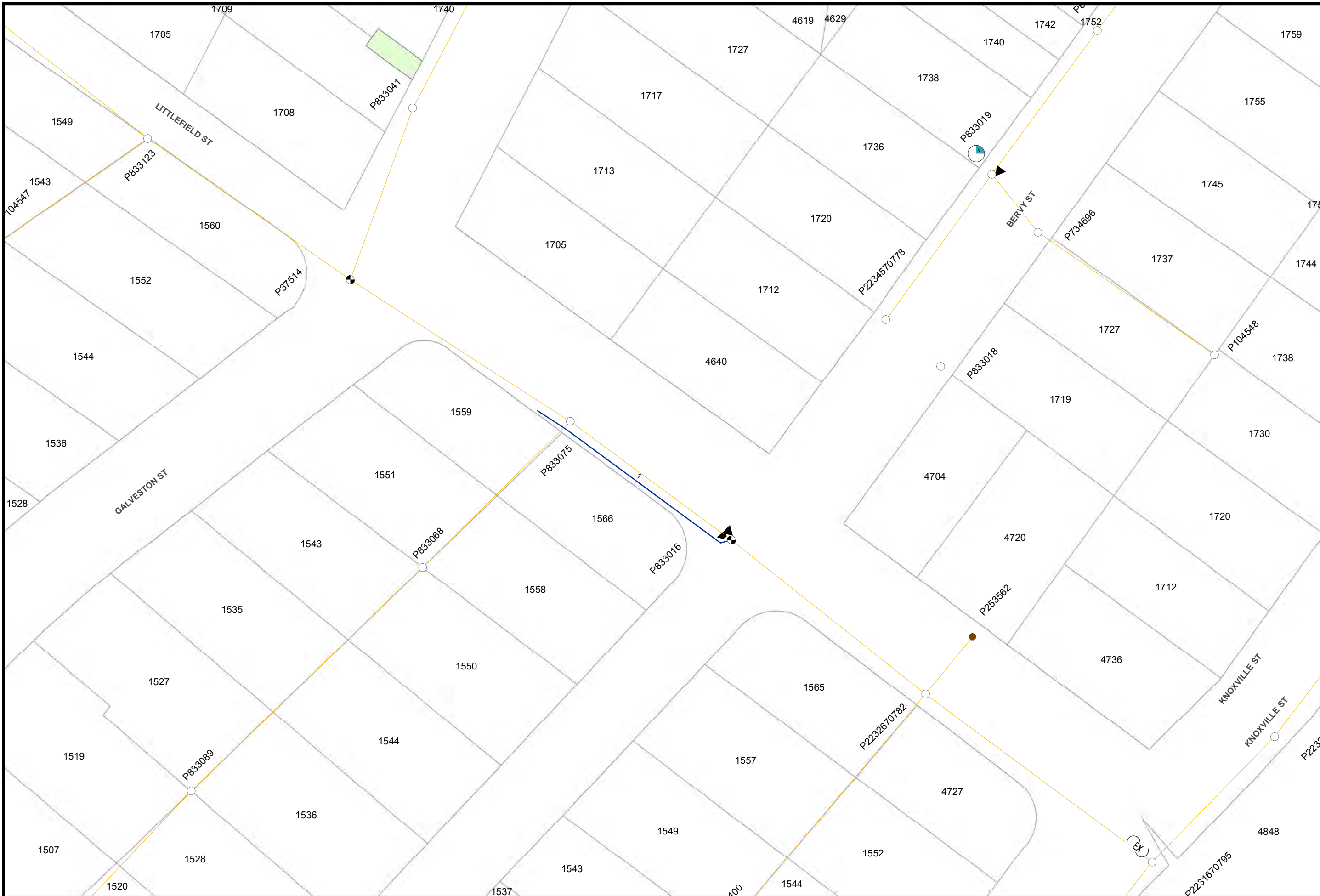


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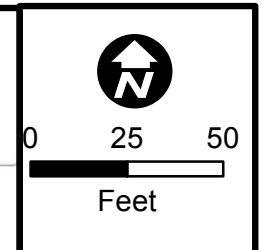
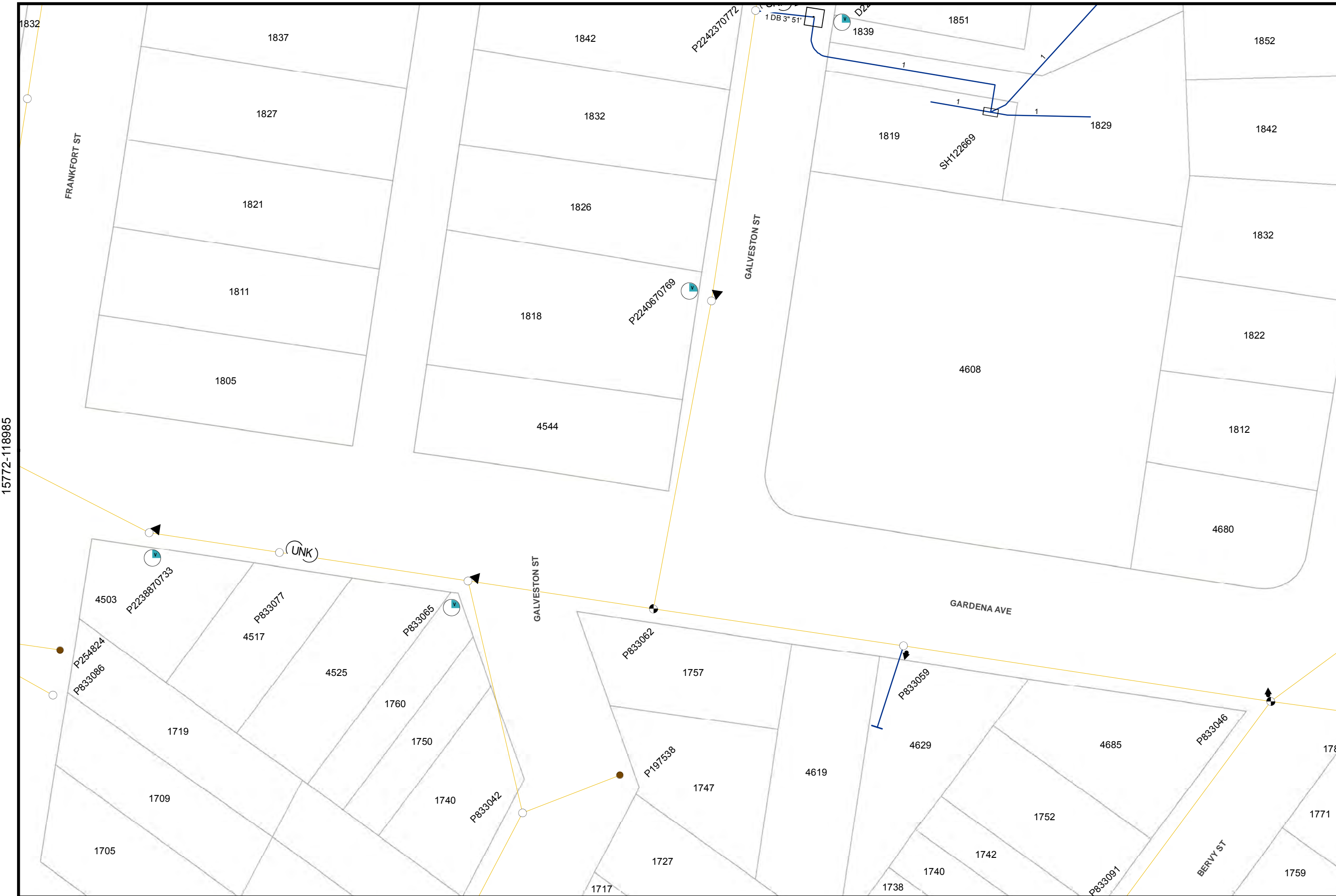
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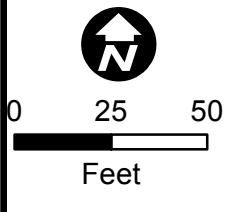
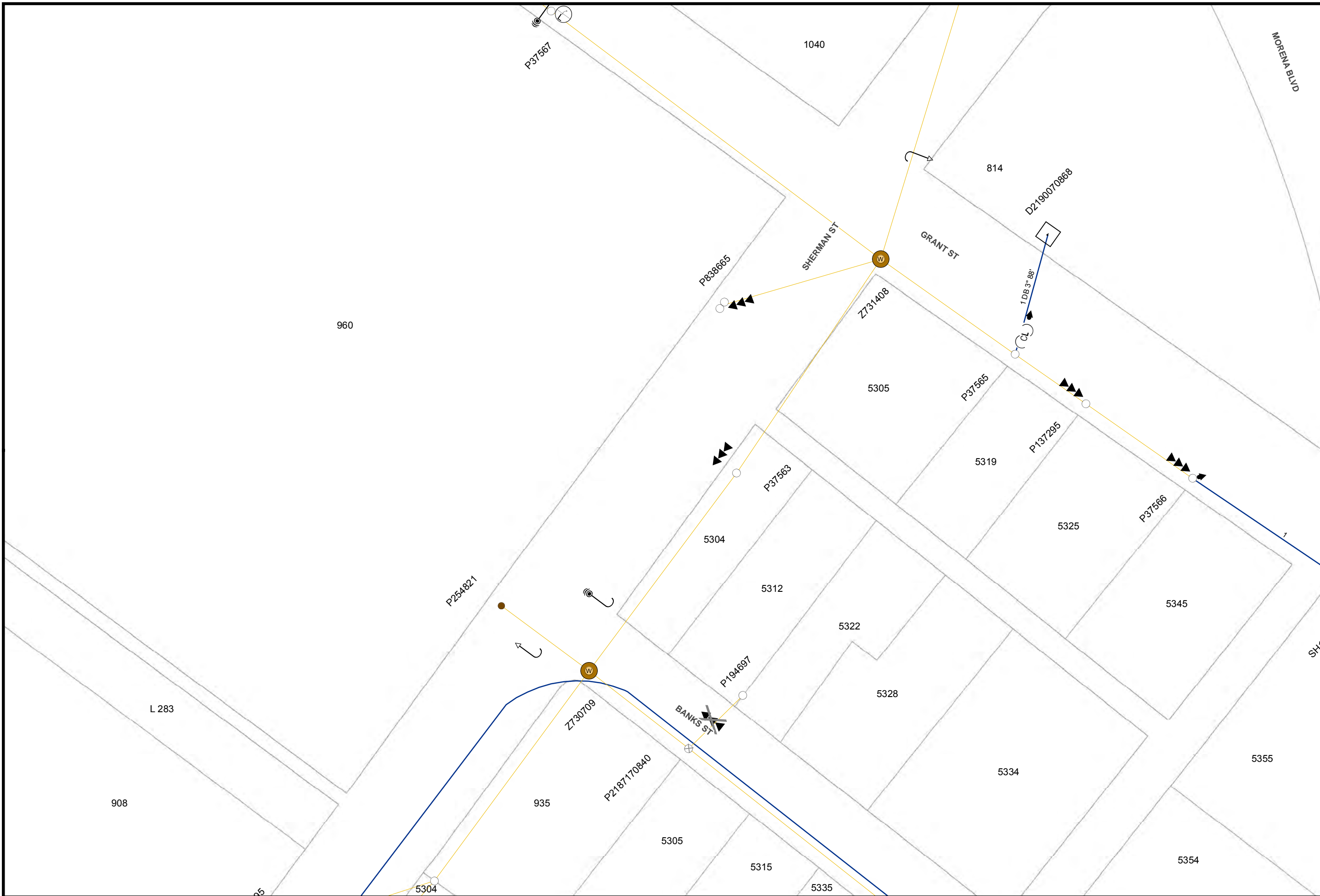
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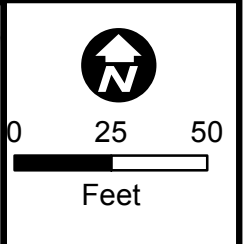
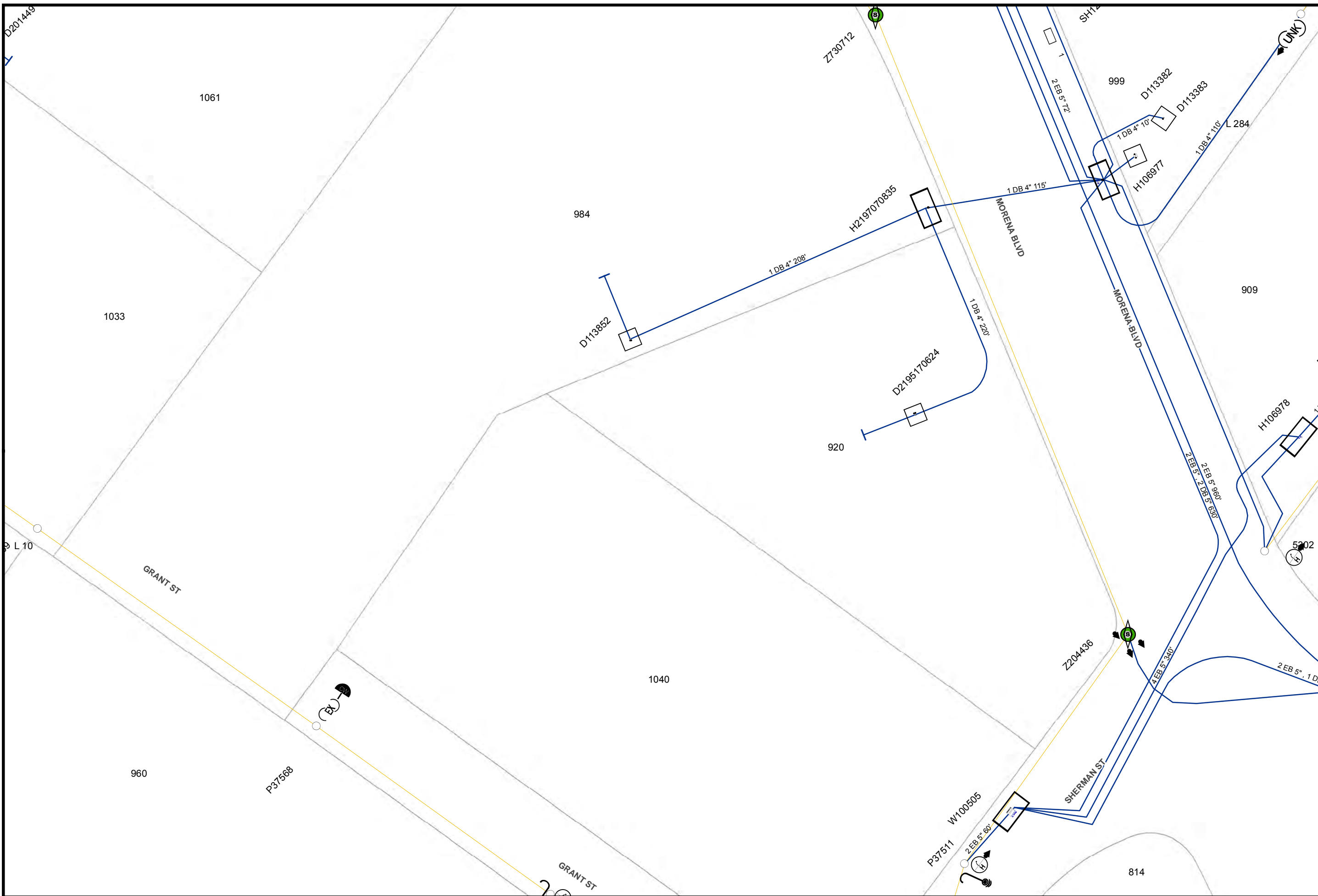




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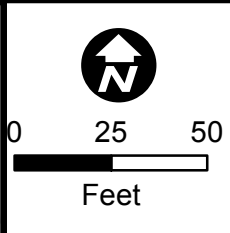
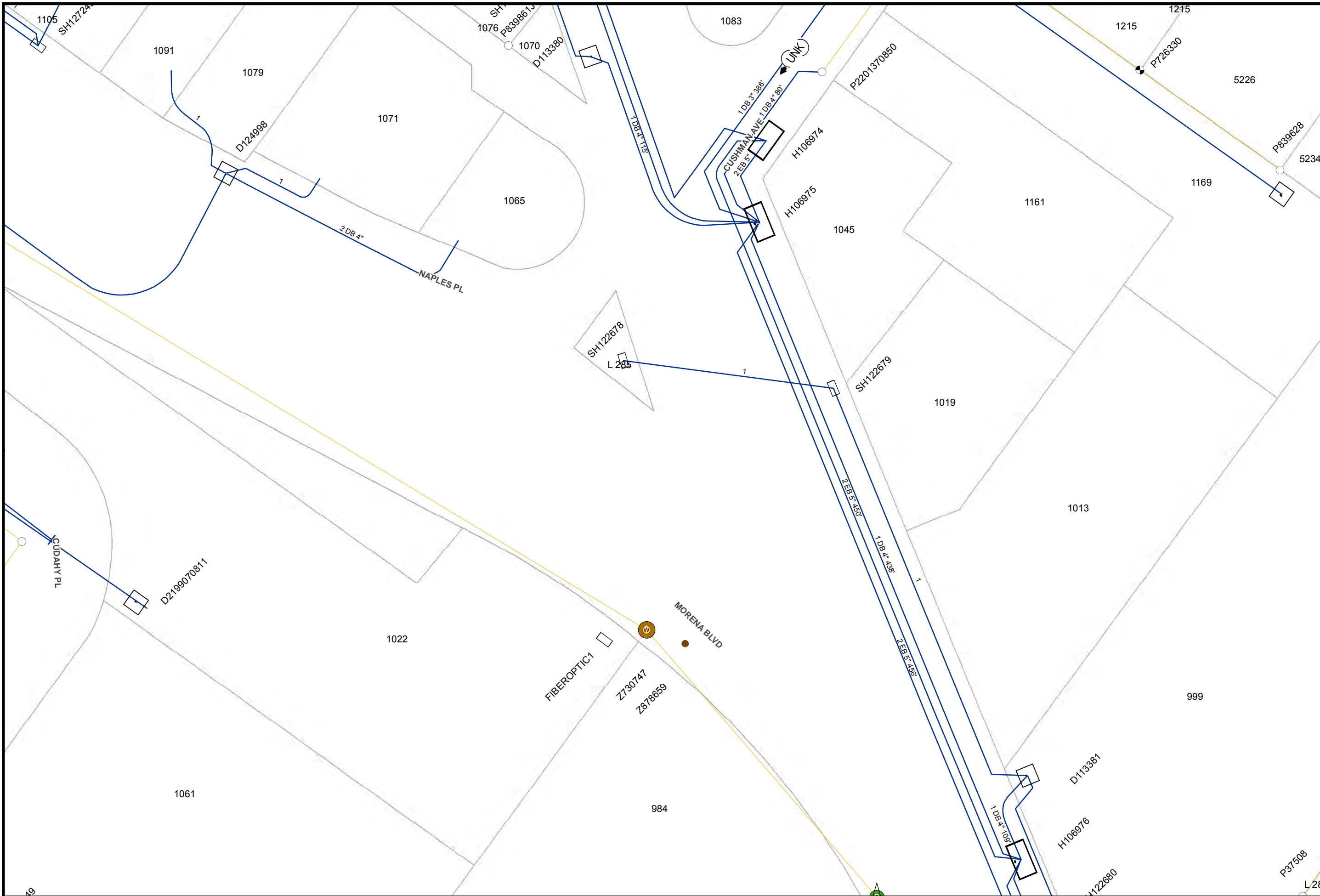




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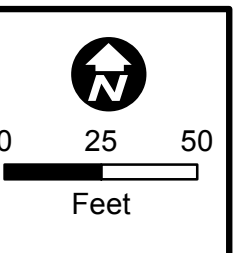
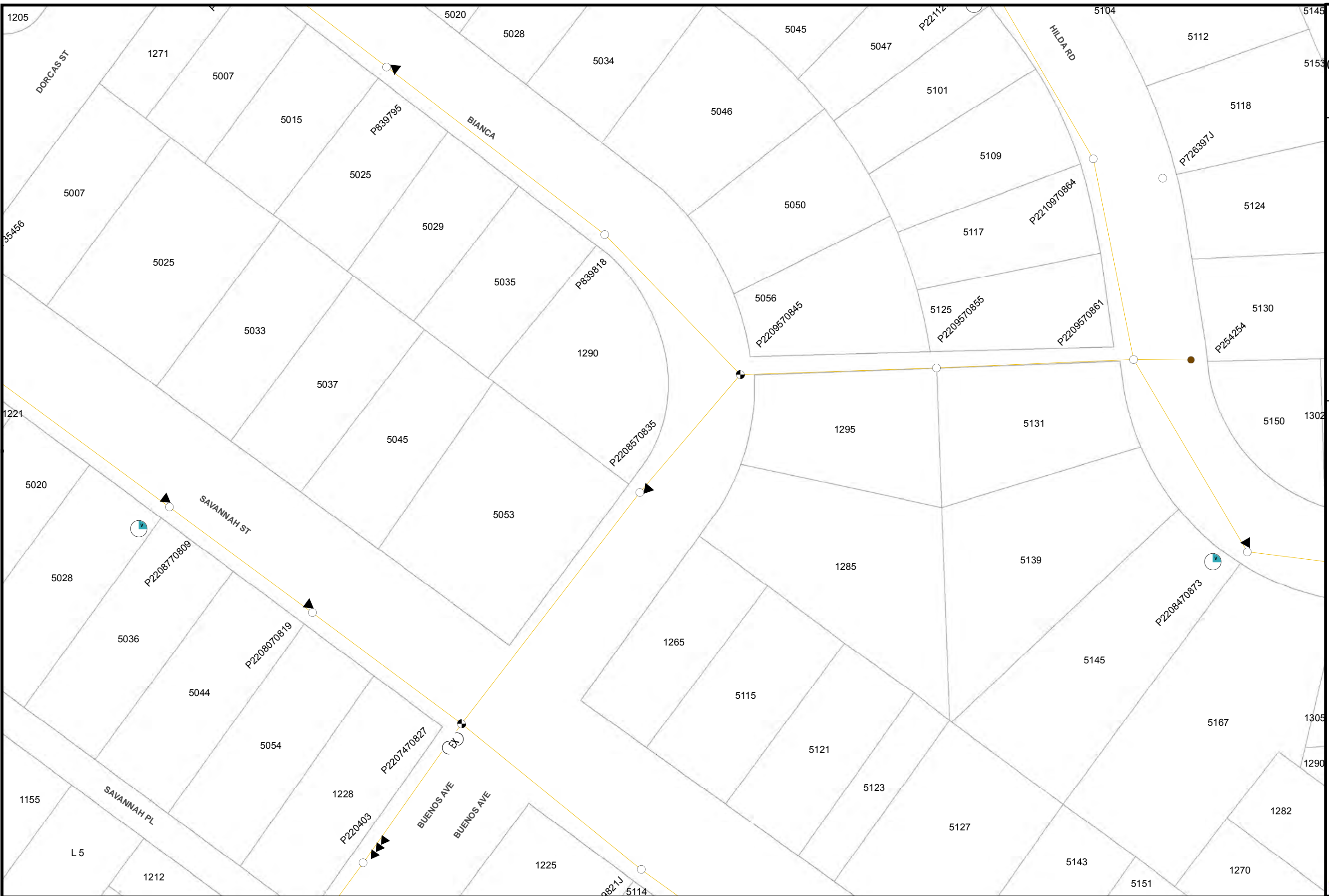
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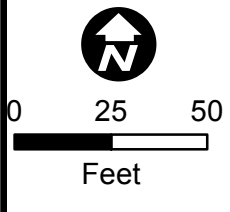
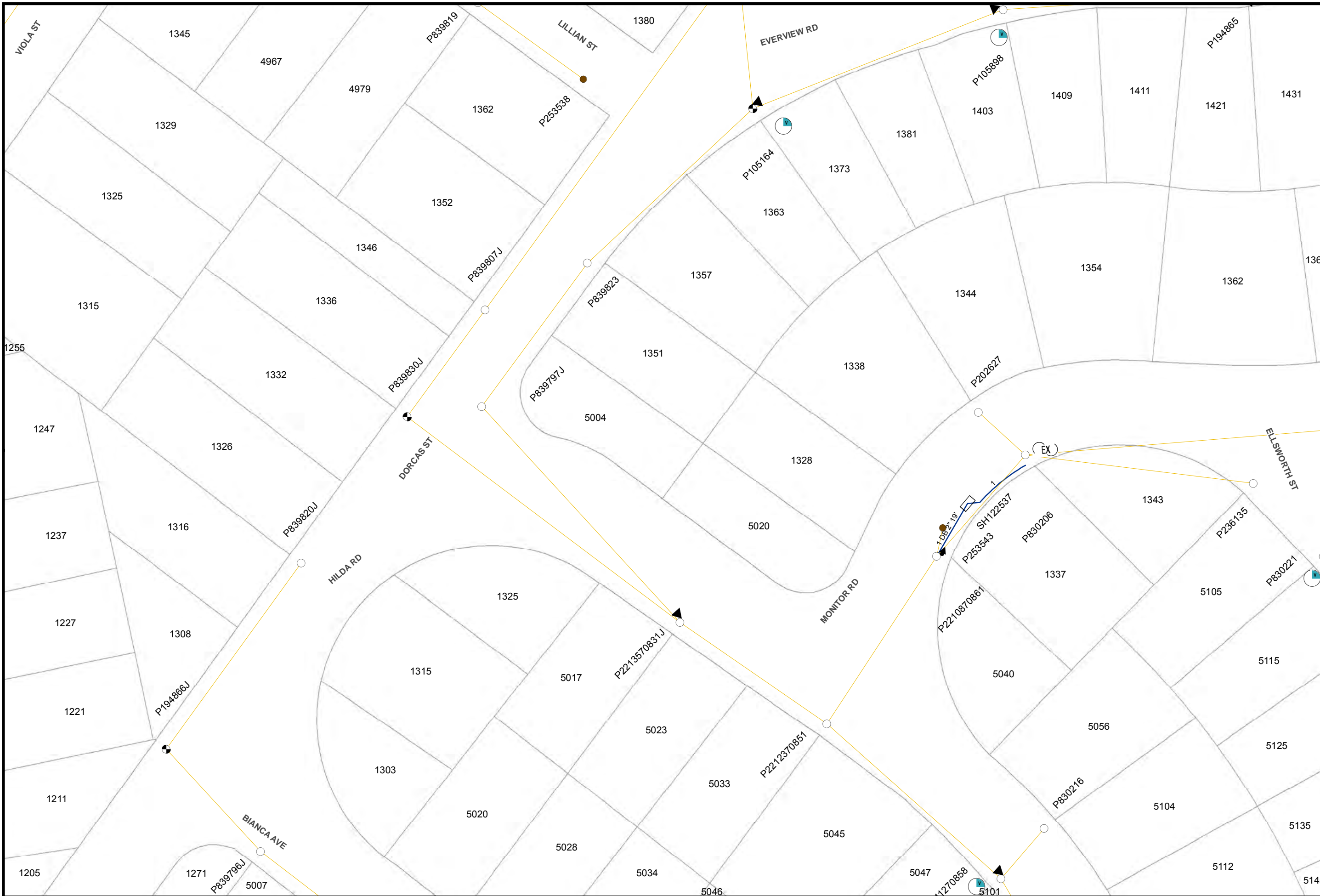
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15780-118955

15795-118955



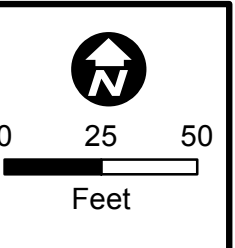
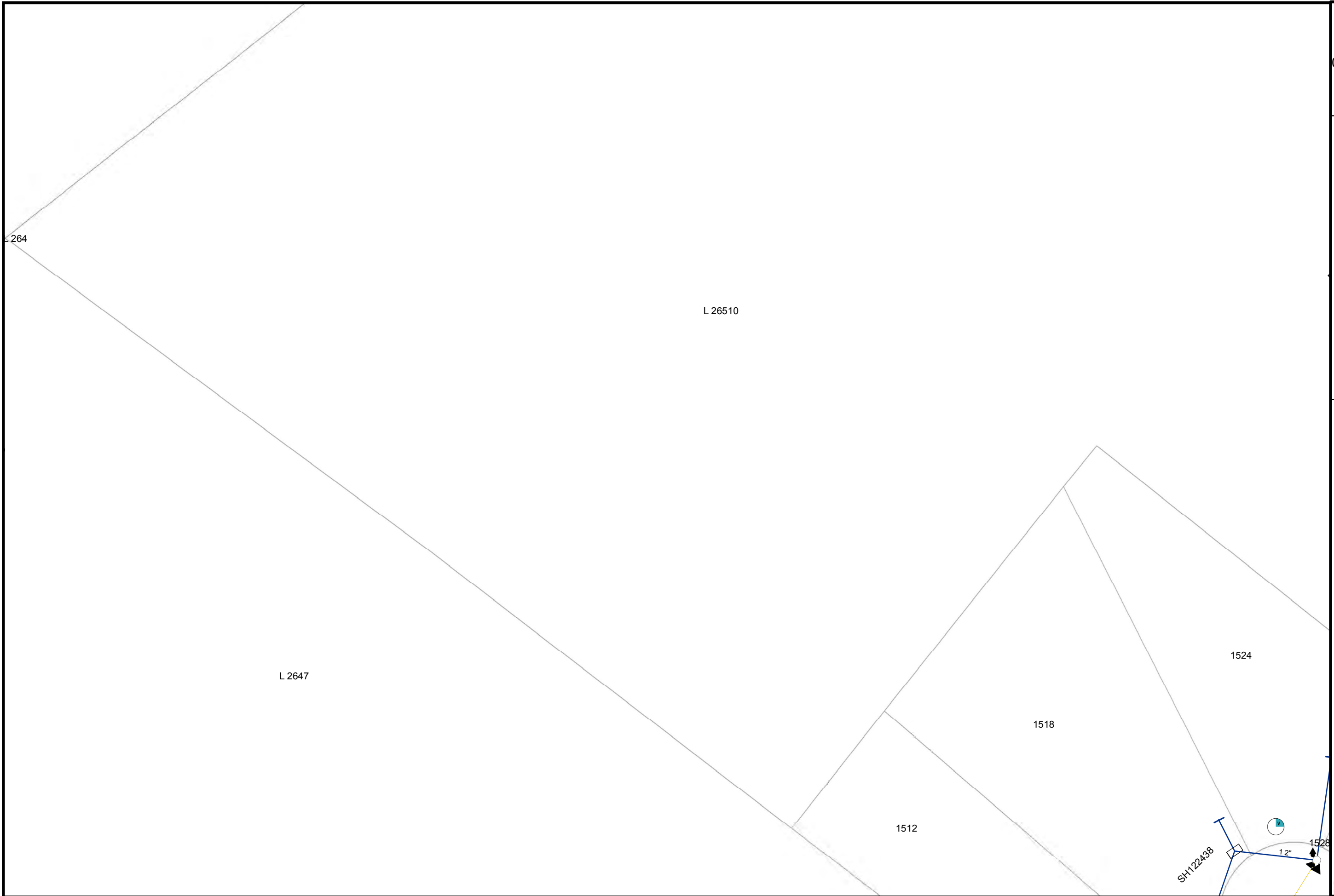
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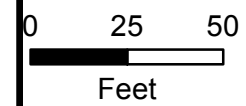
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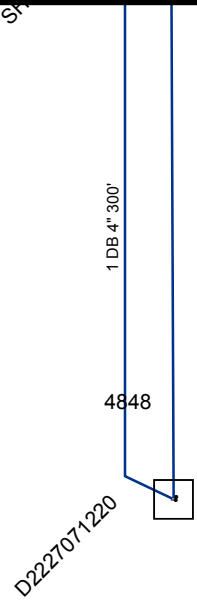


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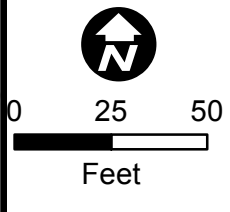
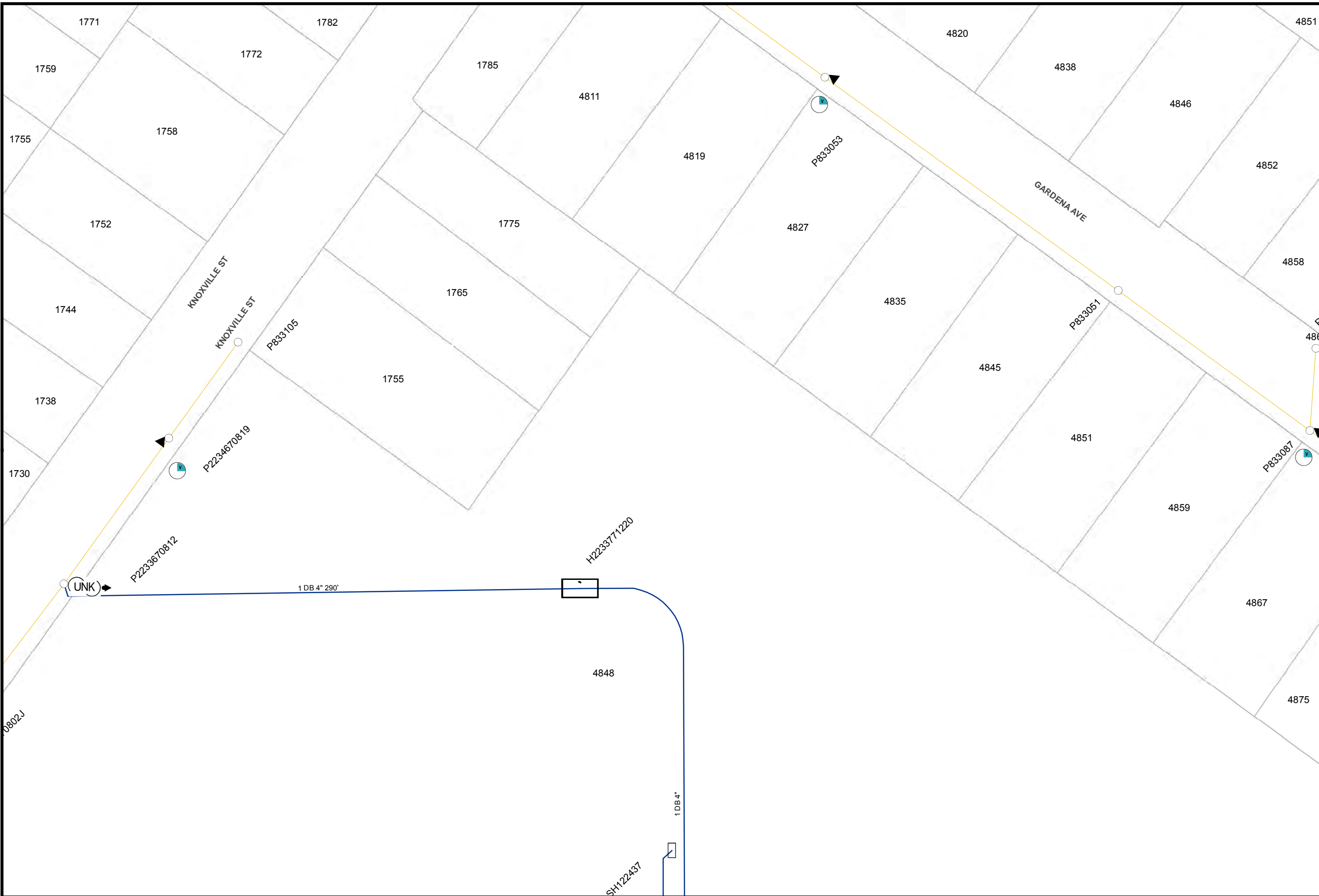
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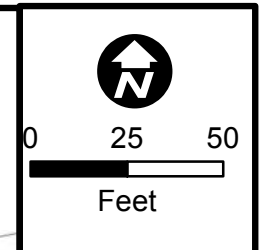
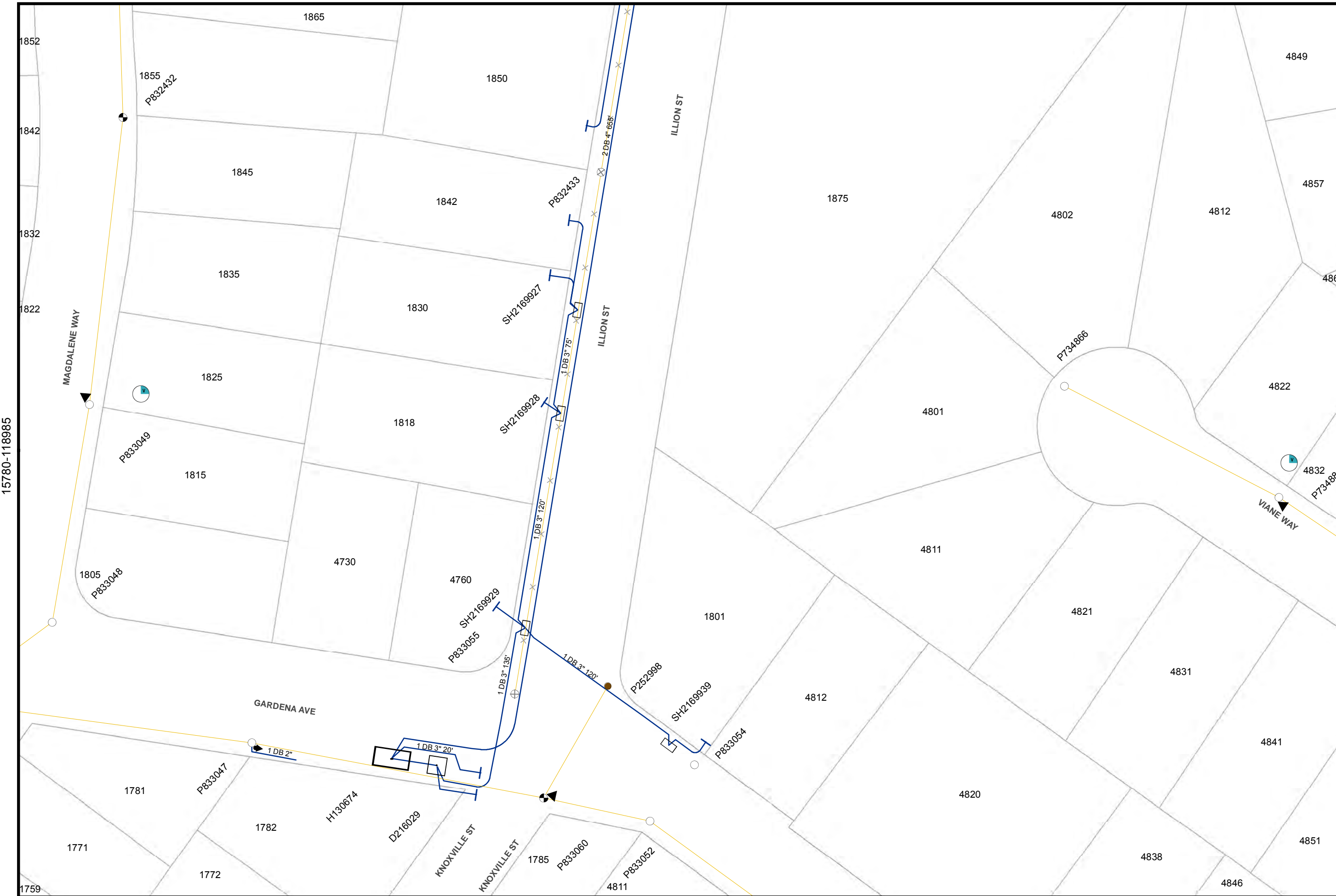
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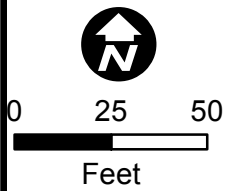
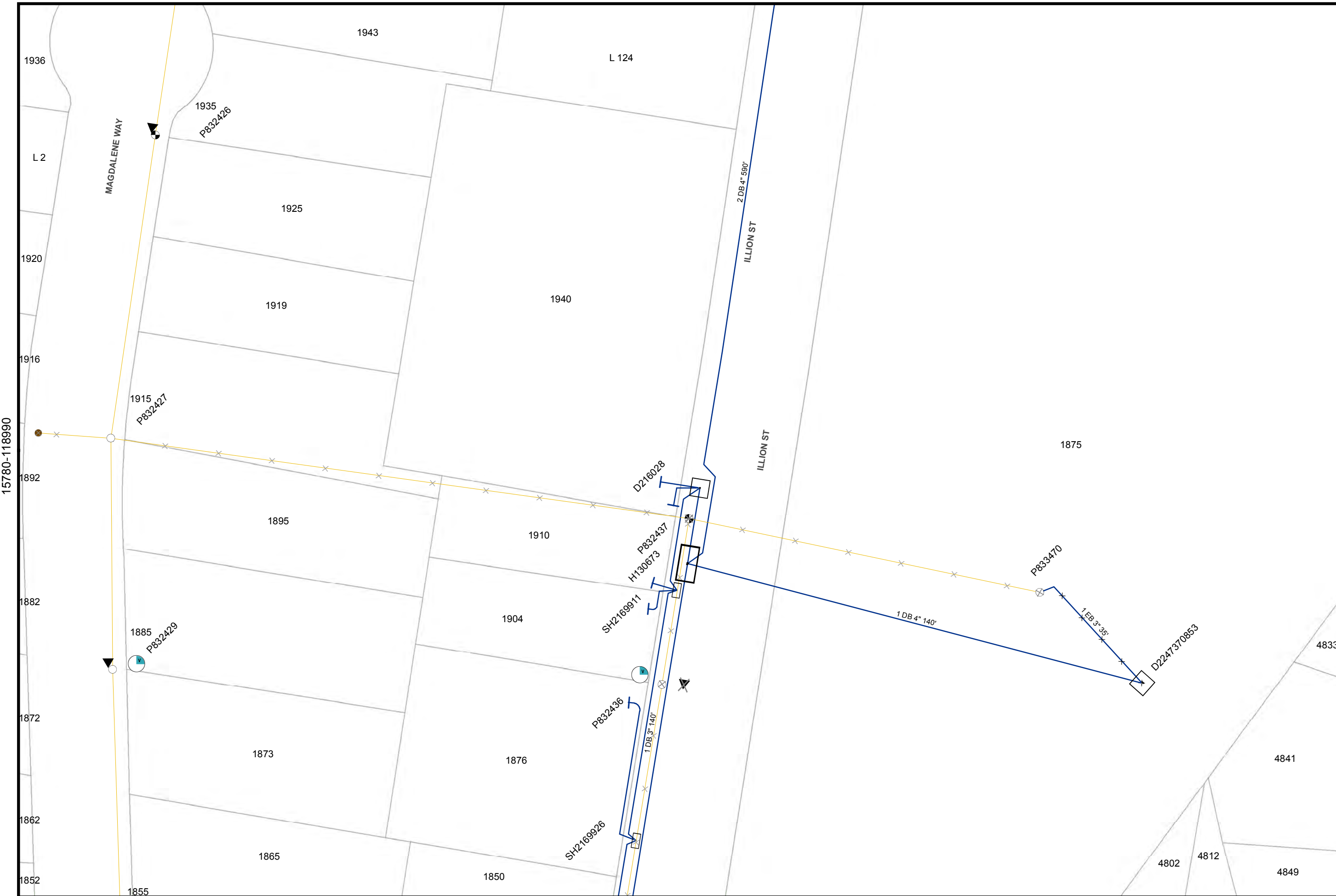
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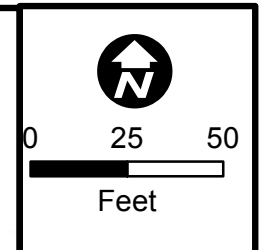
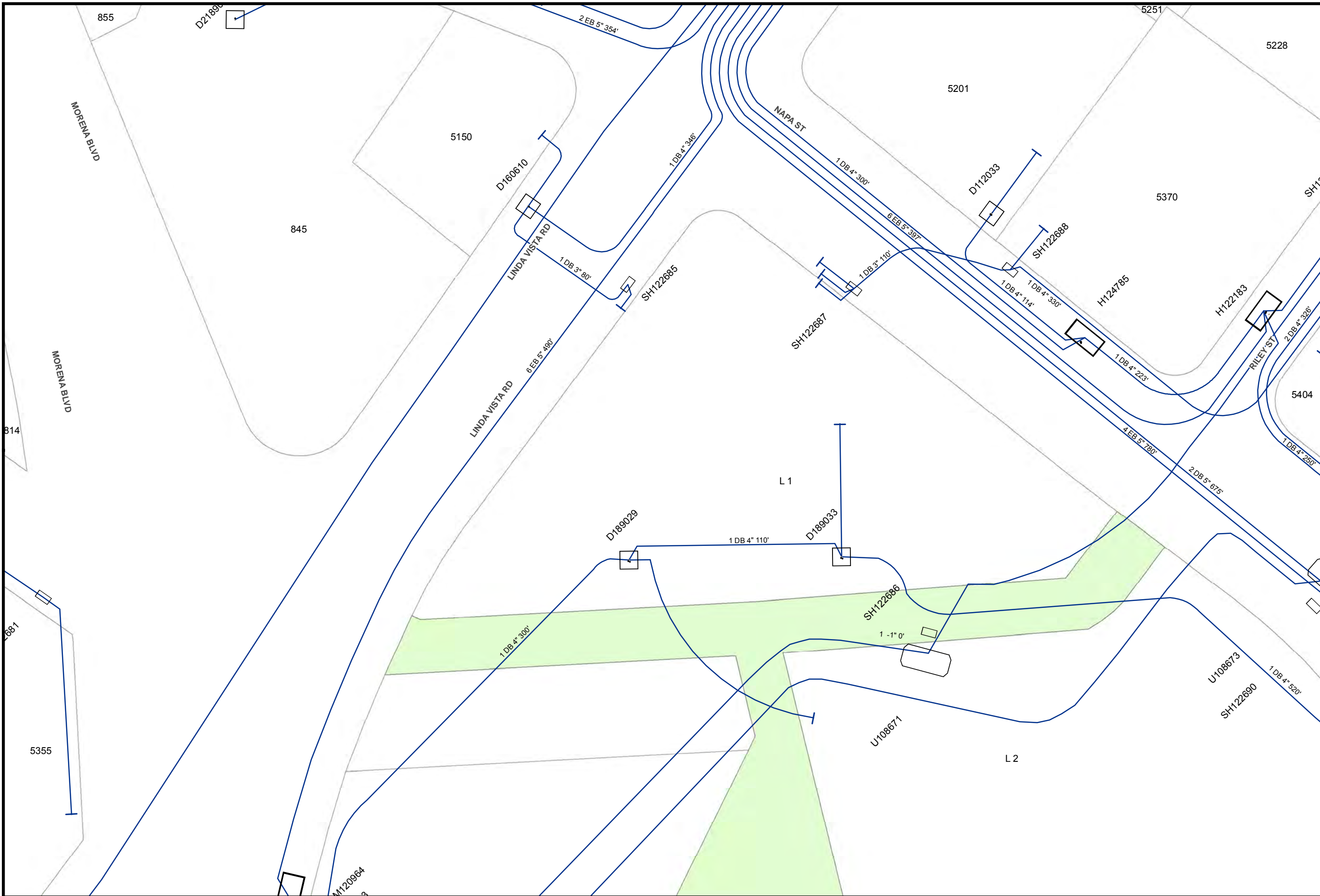




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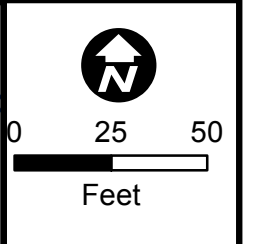
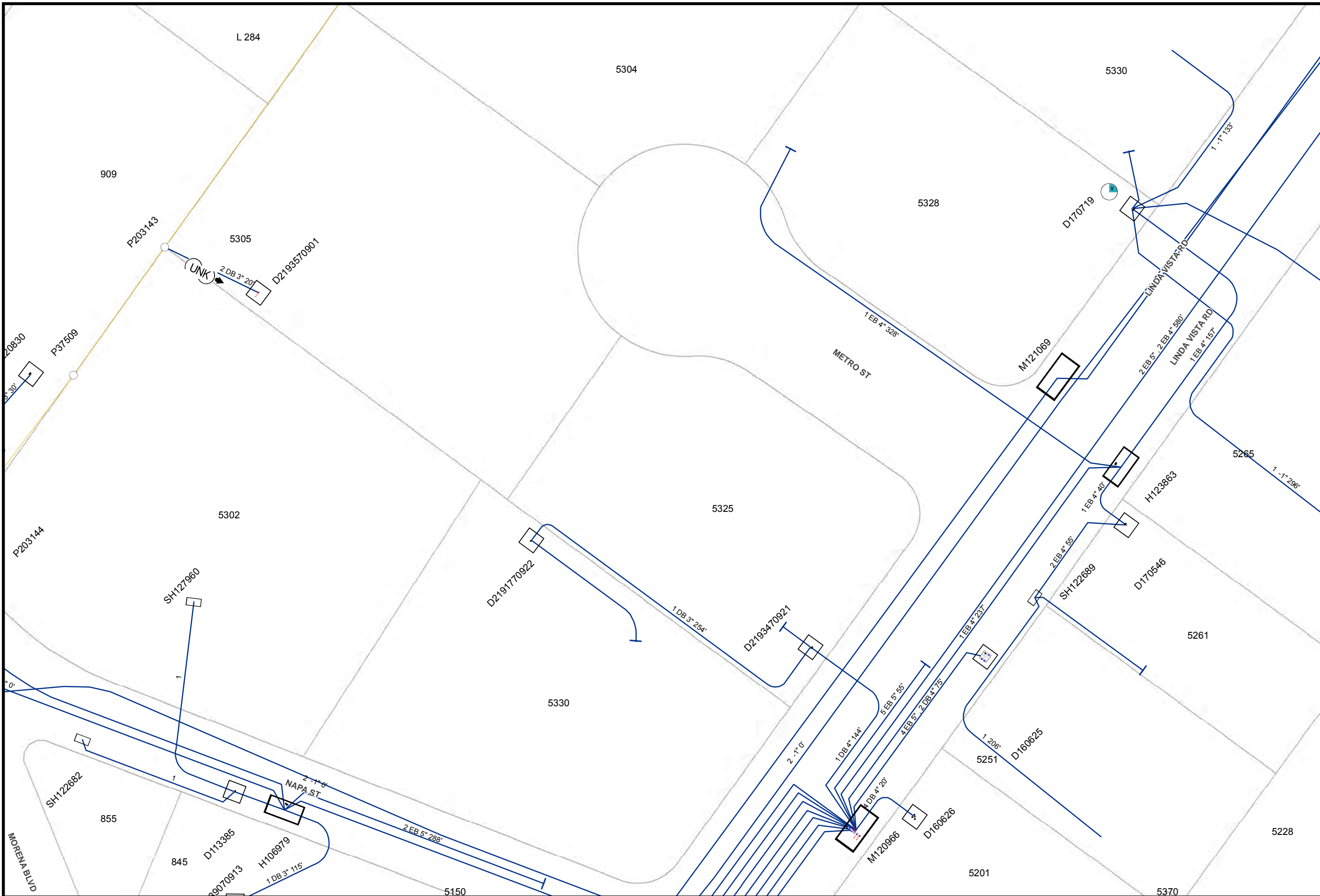
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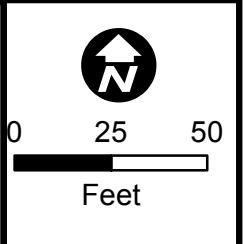
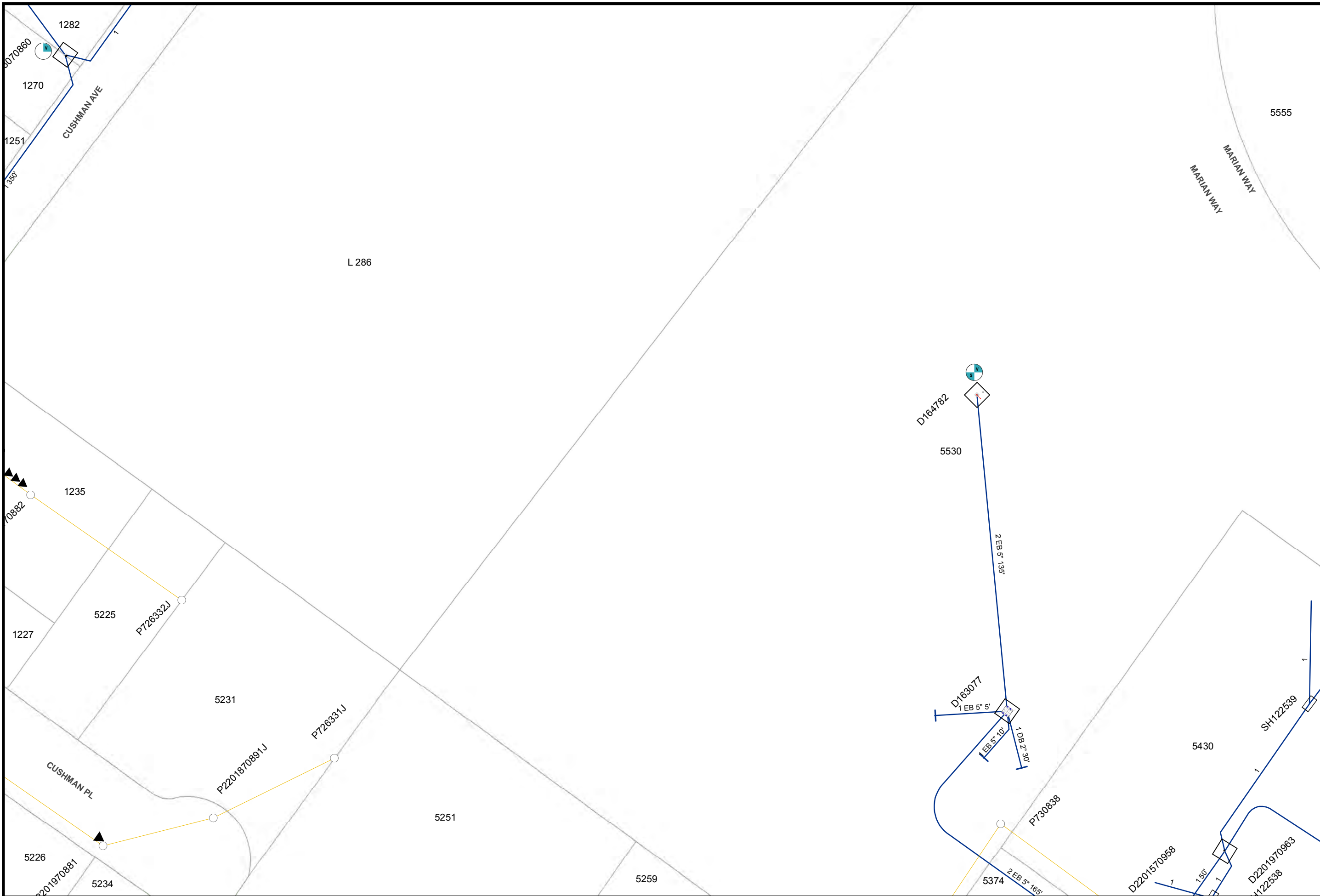
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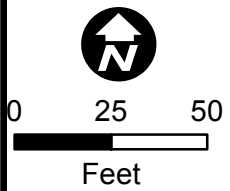
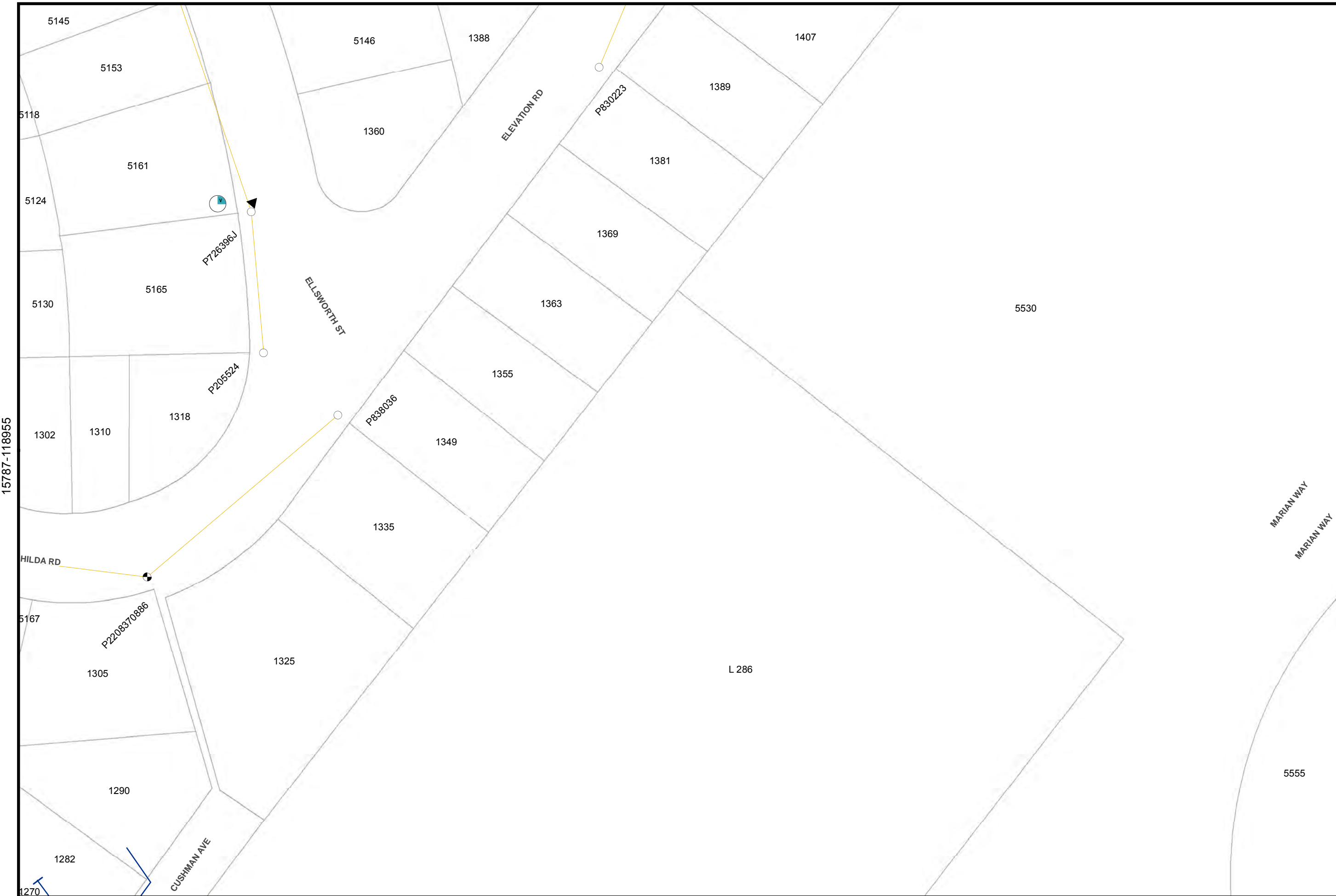
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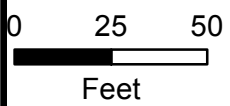


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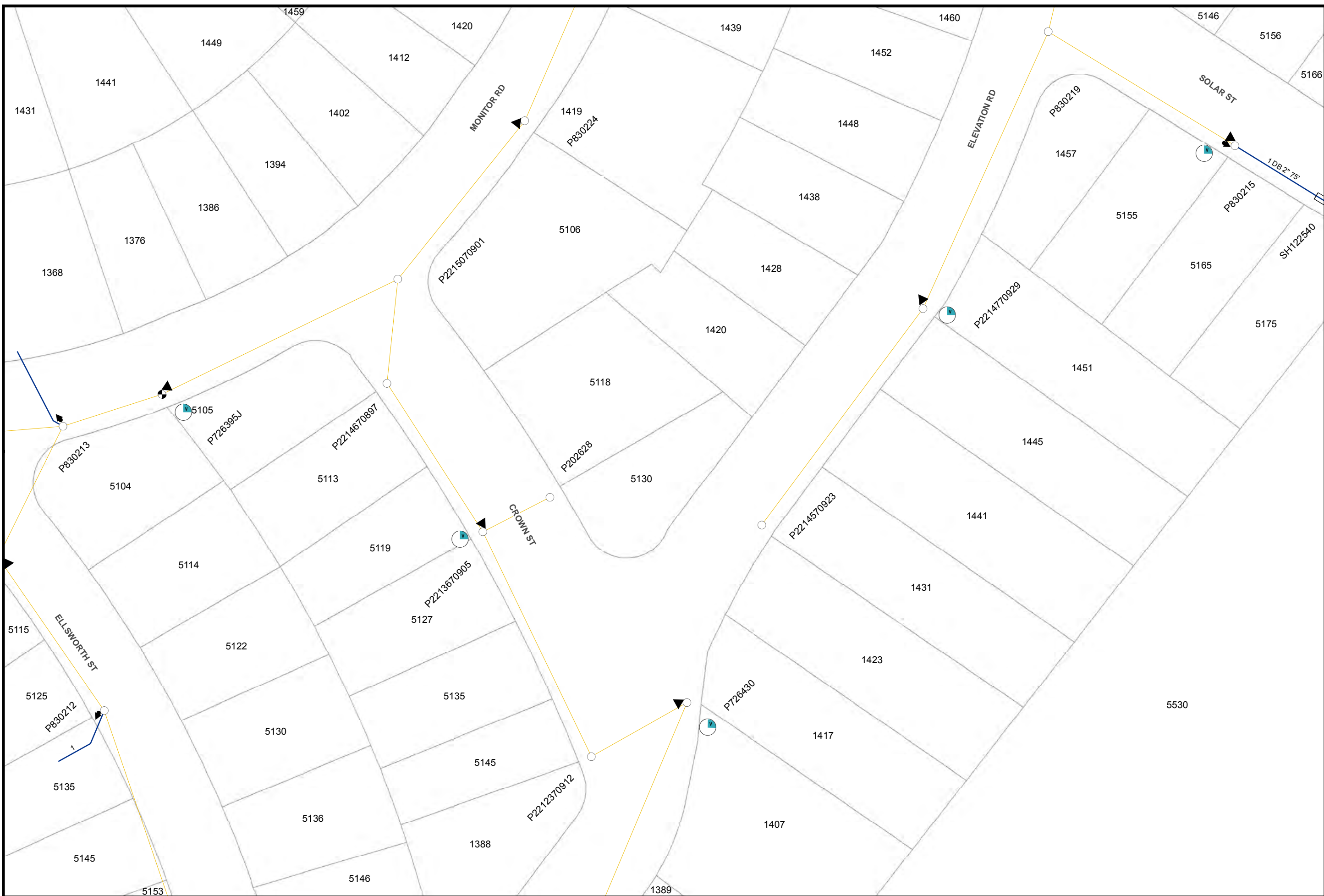
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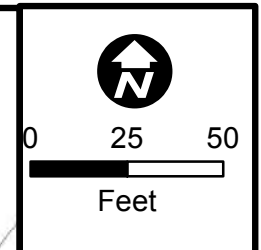


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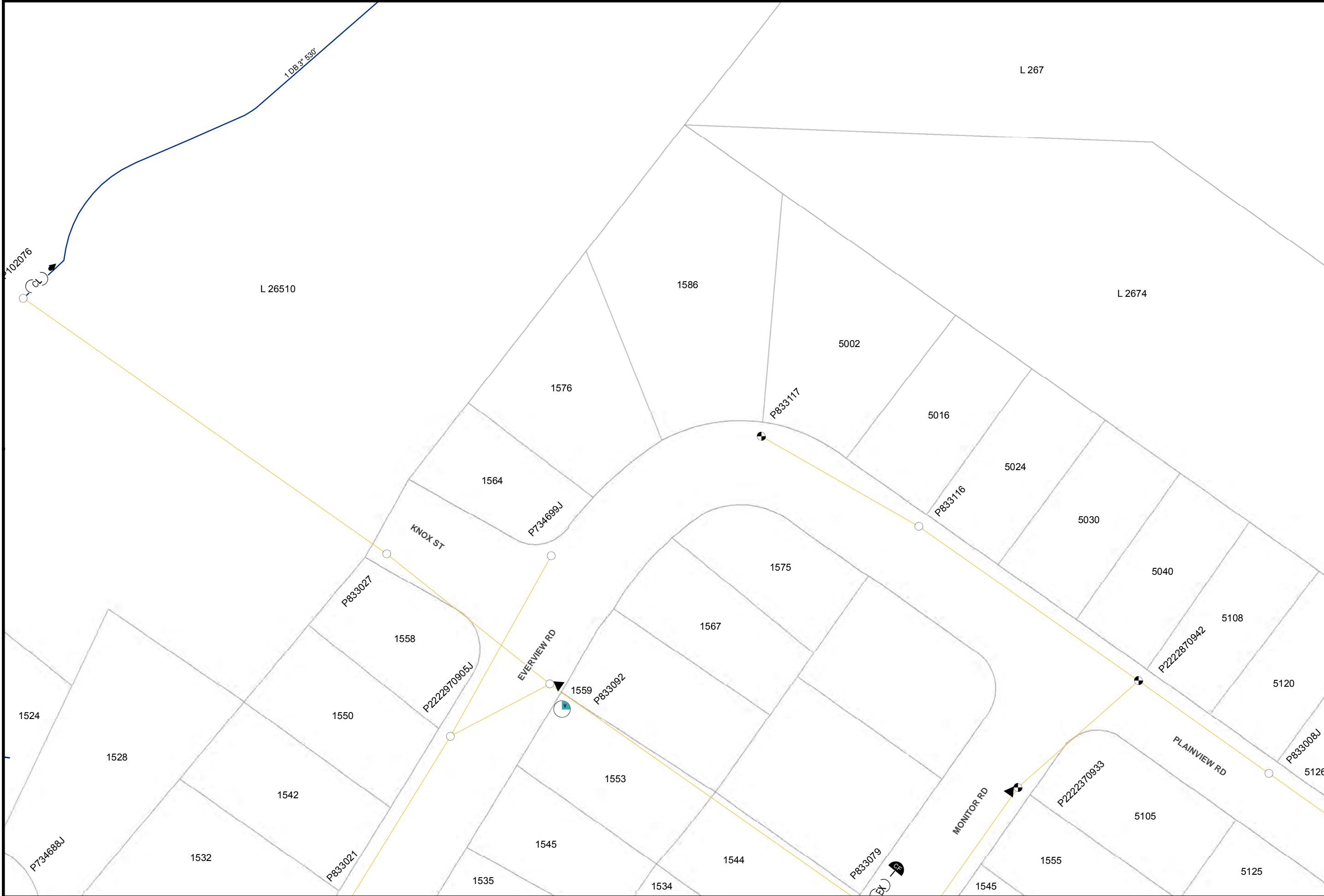
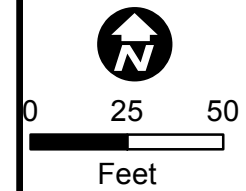
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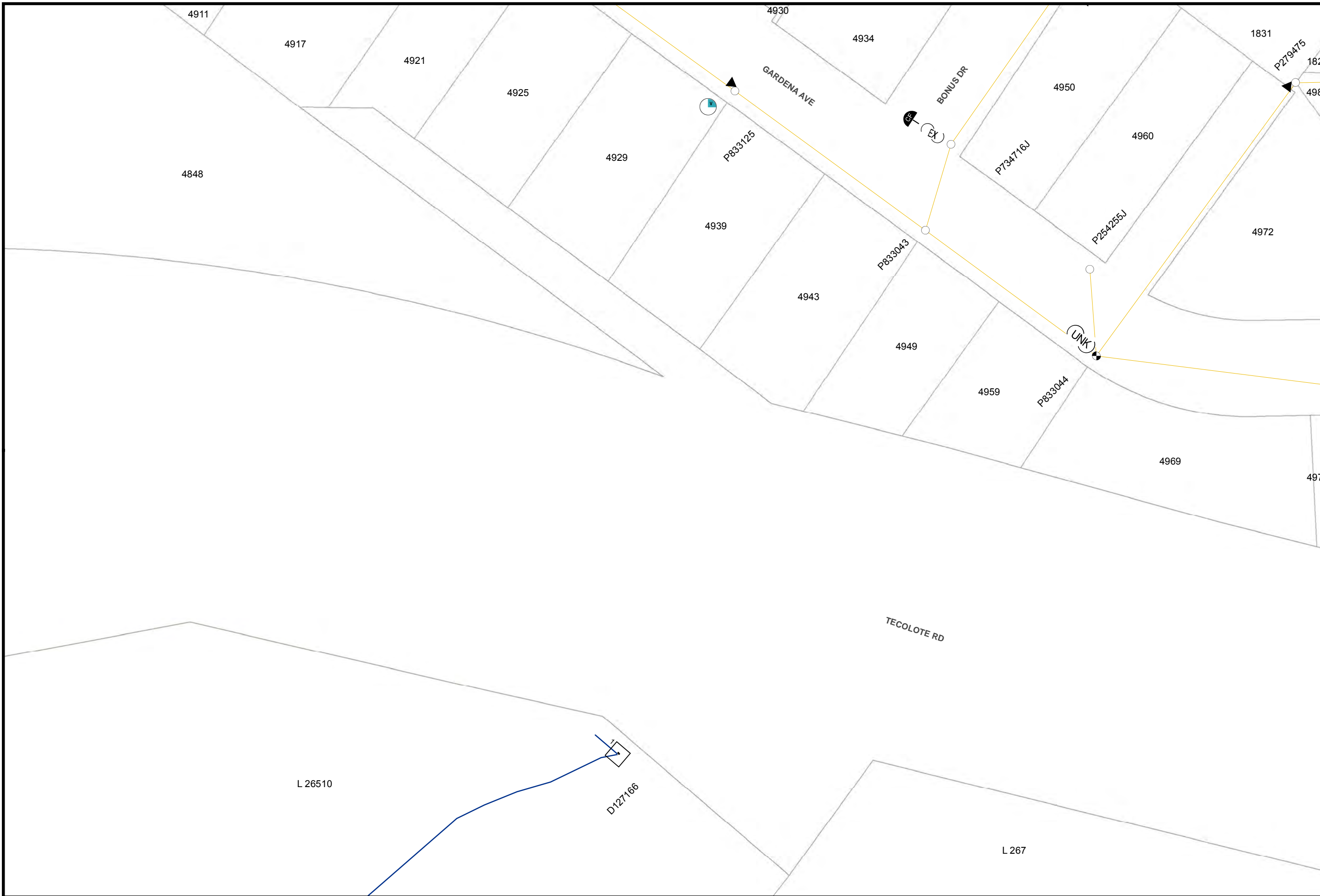
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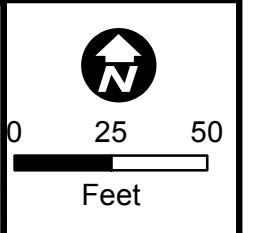
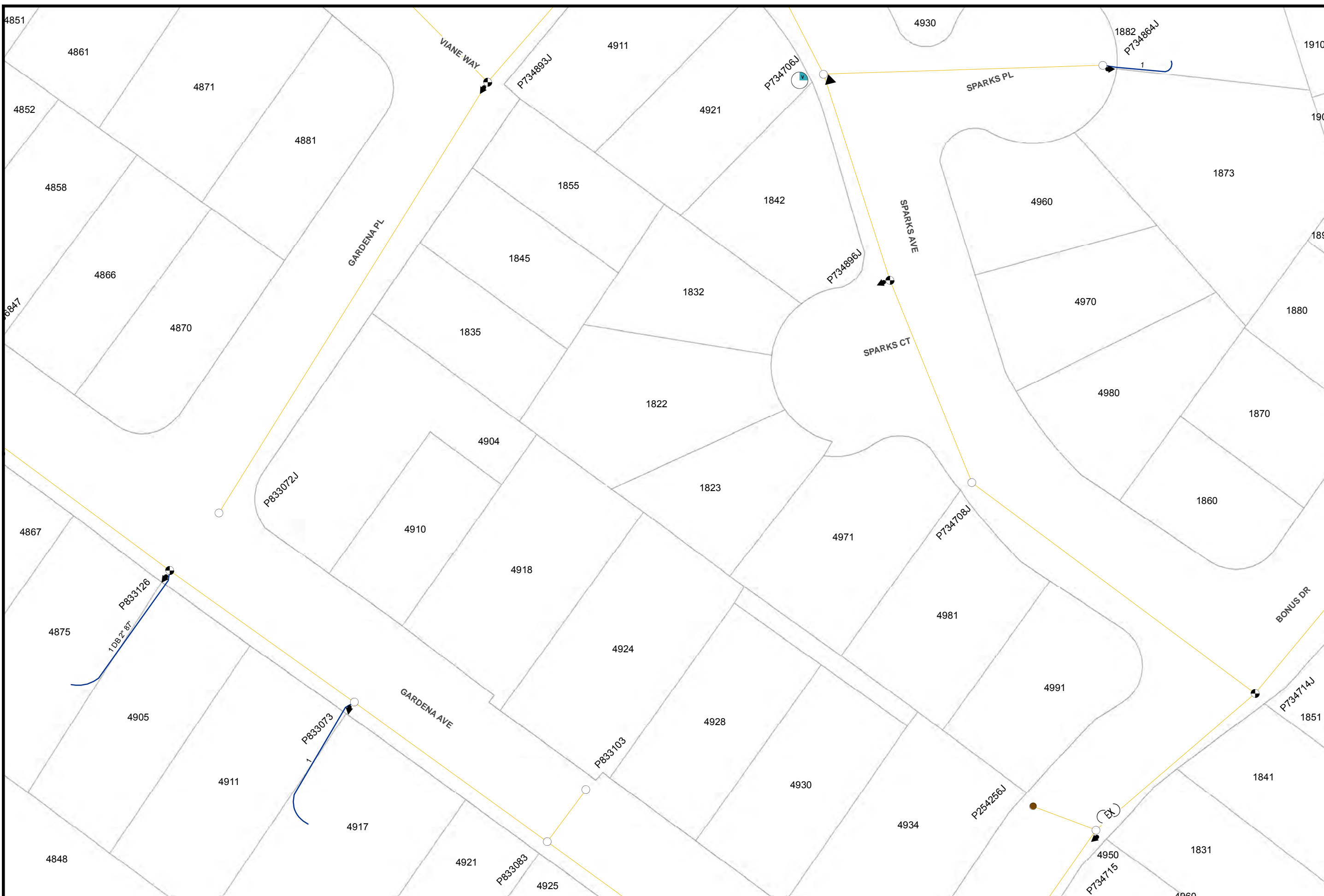
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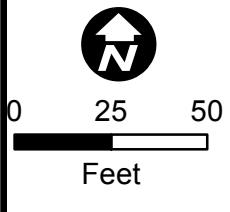
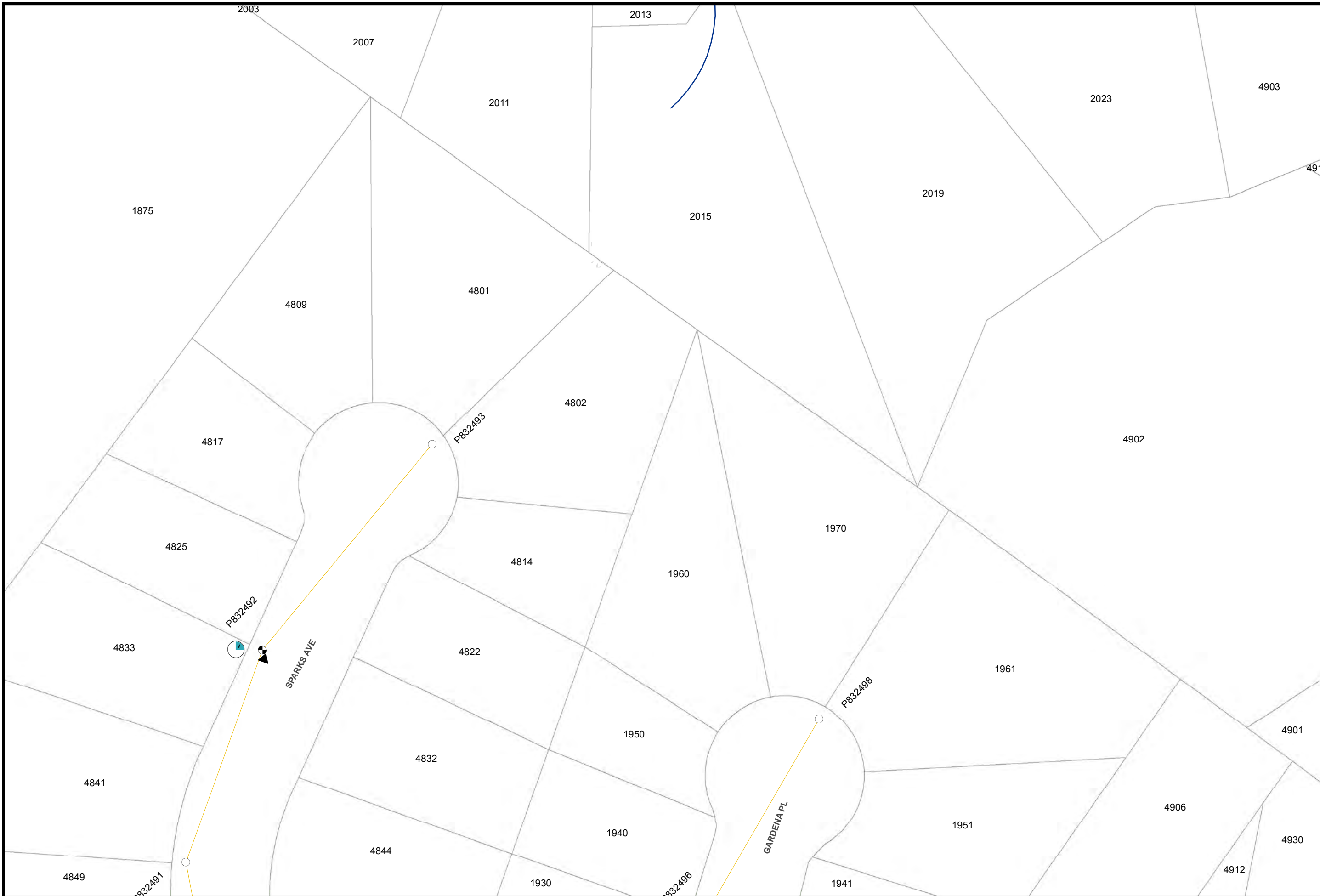
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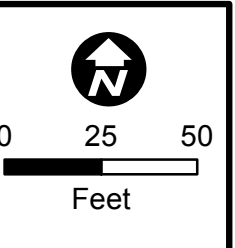
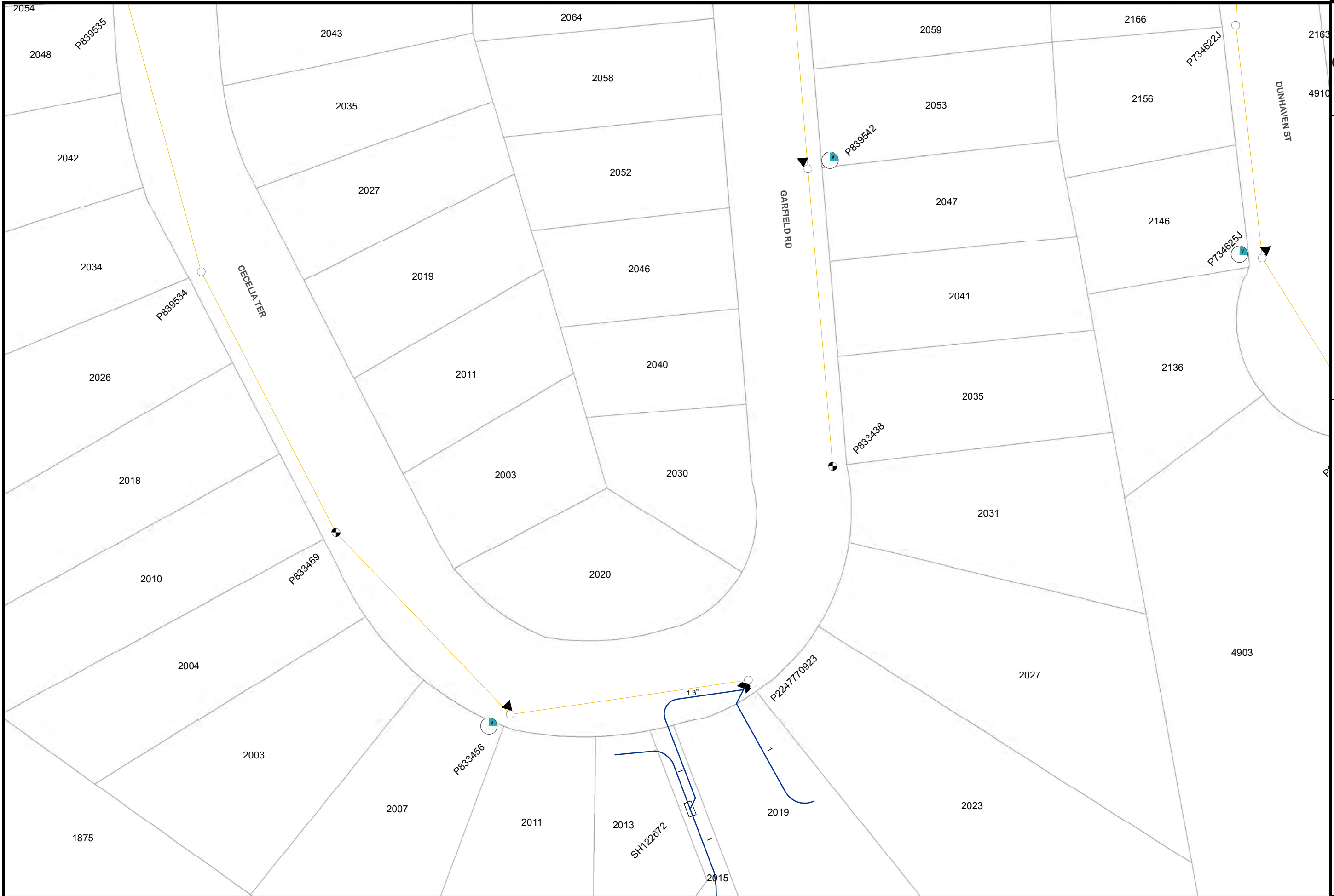




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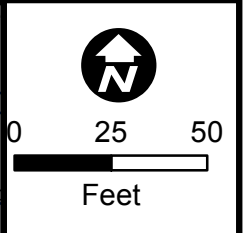
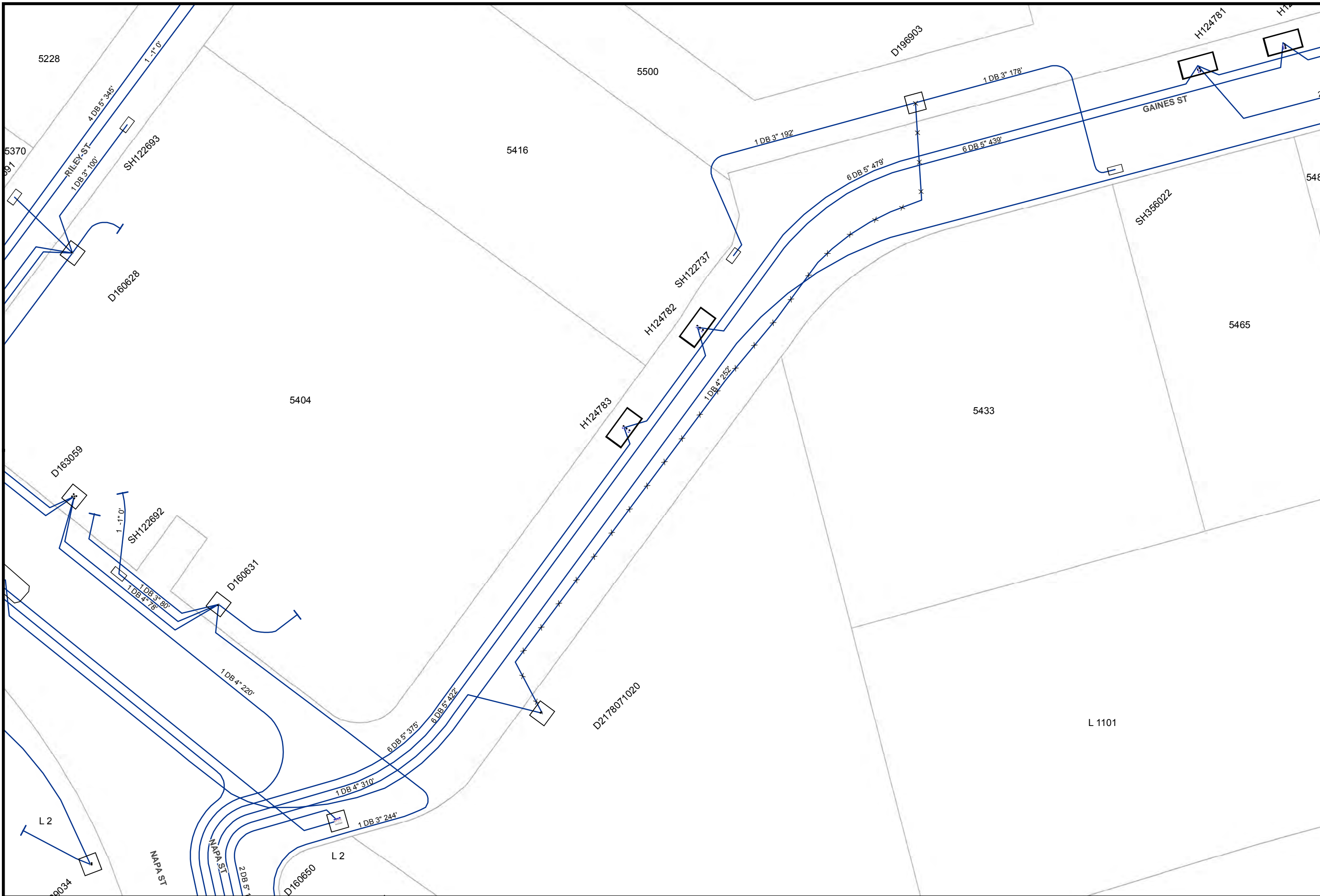




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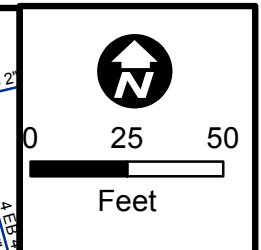
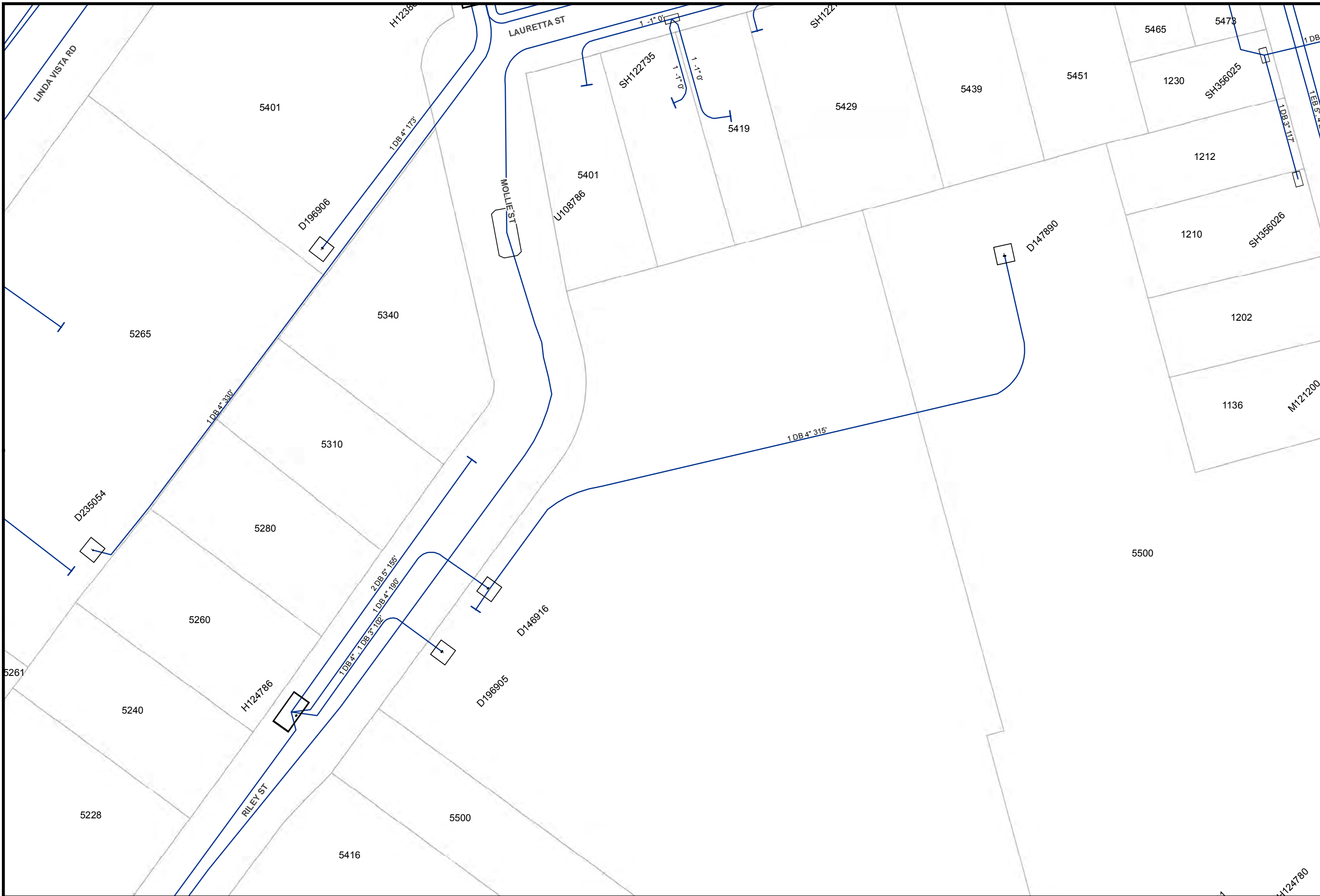
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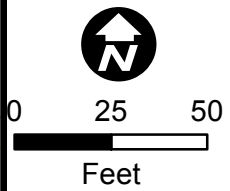
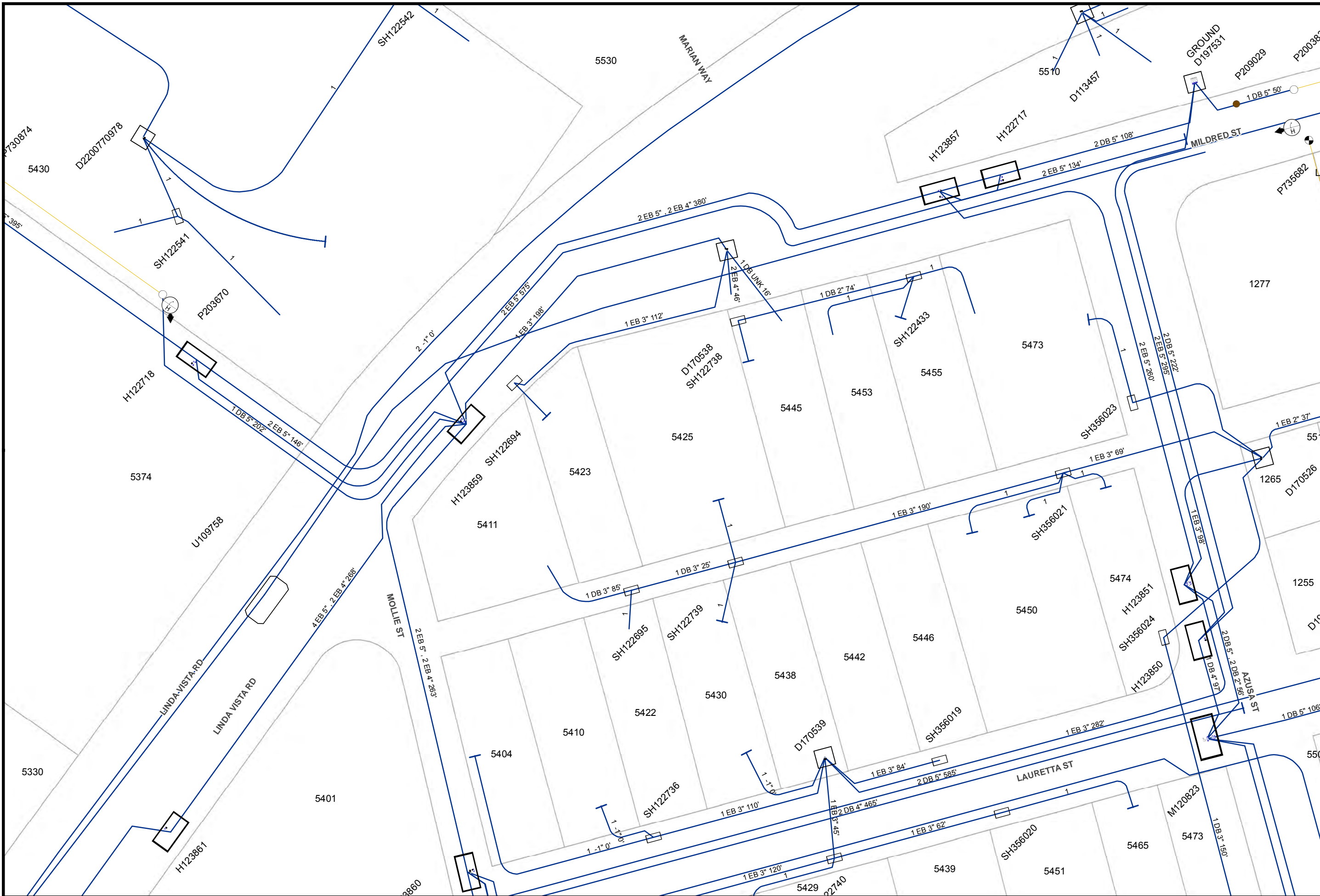
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15795-118940

15810-118940

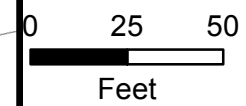
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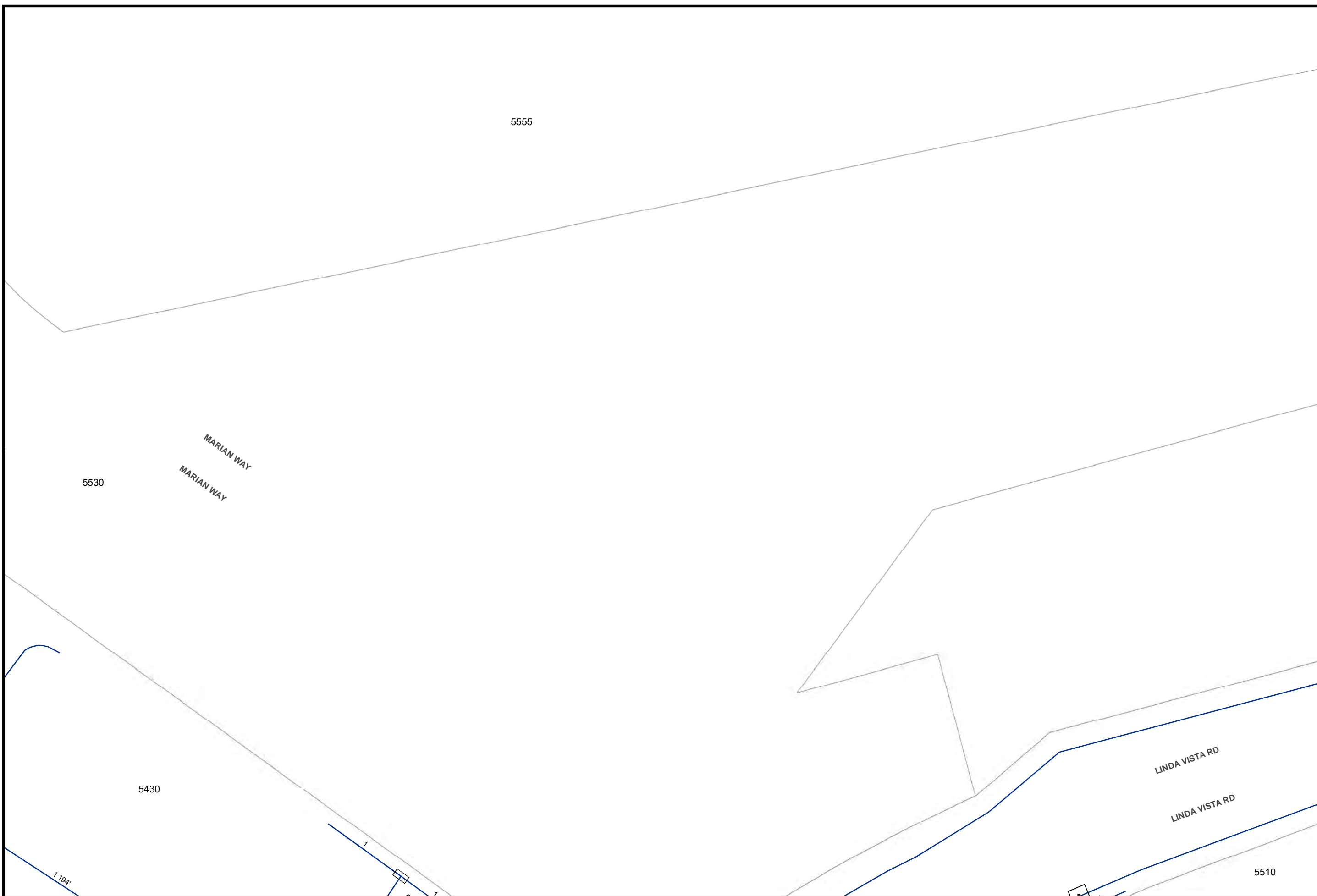


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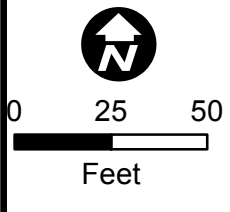
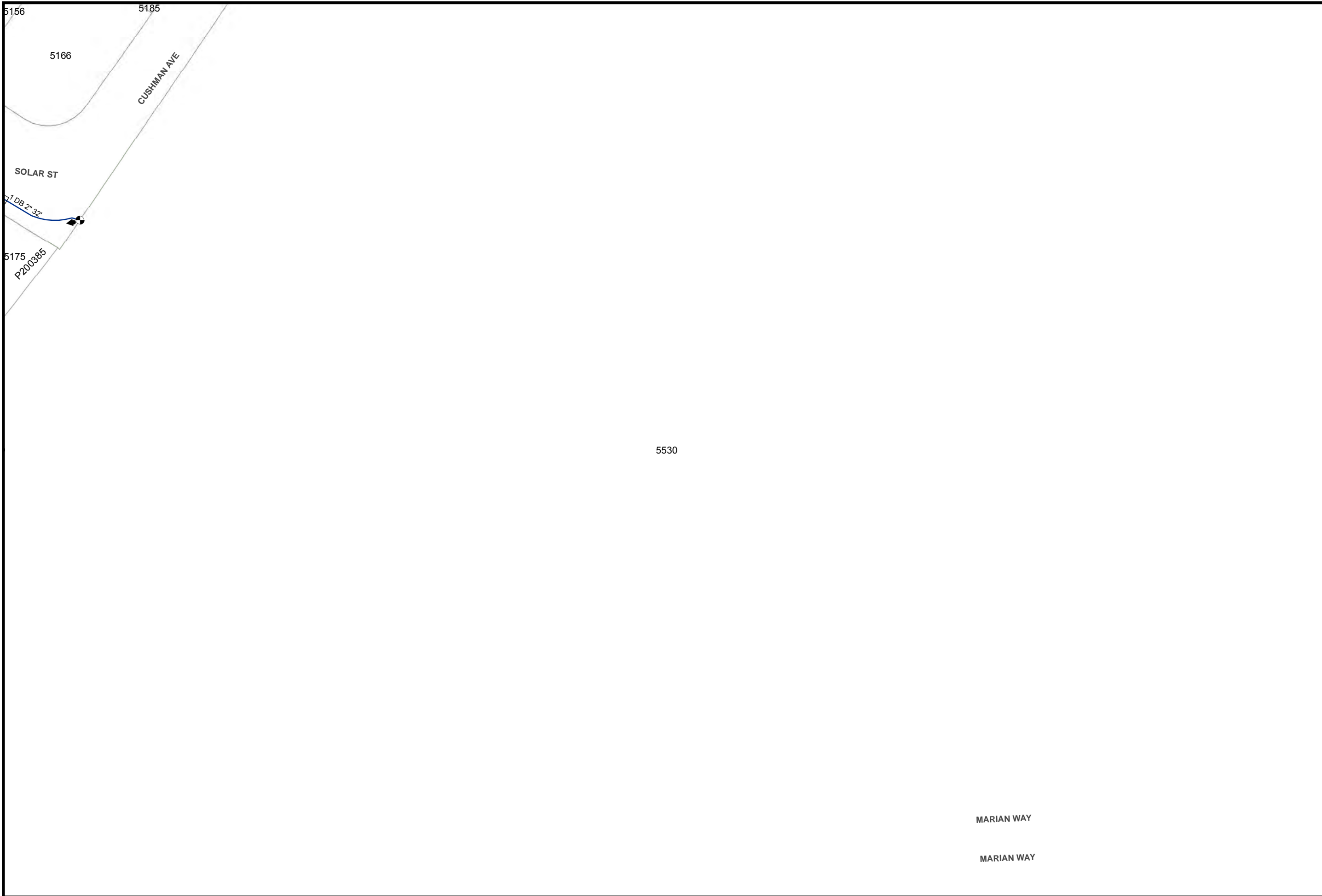


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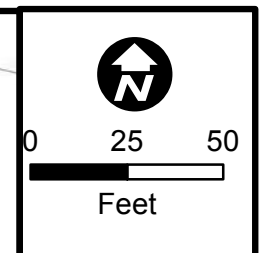


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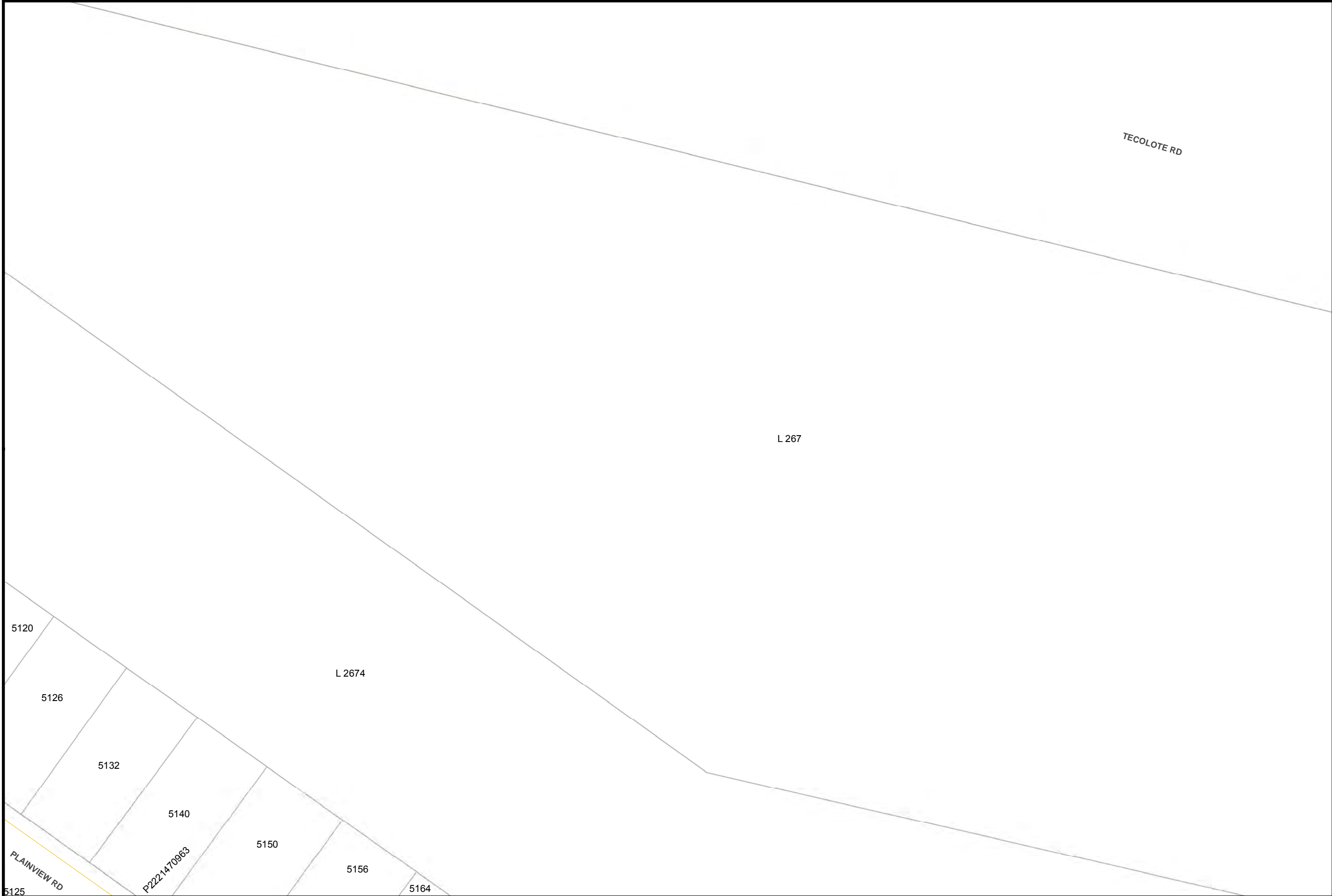
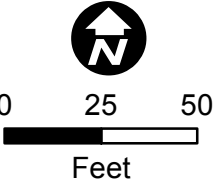
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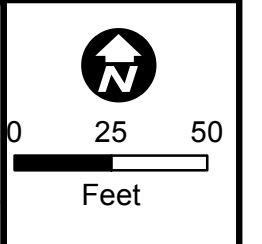
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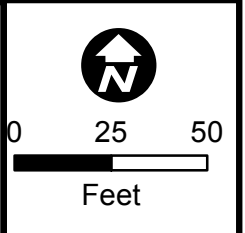
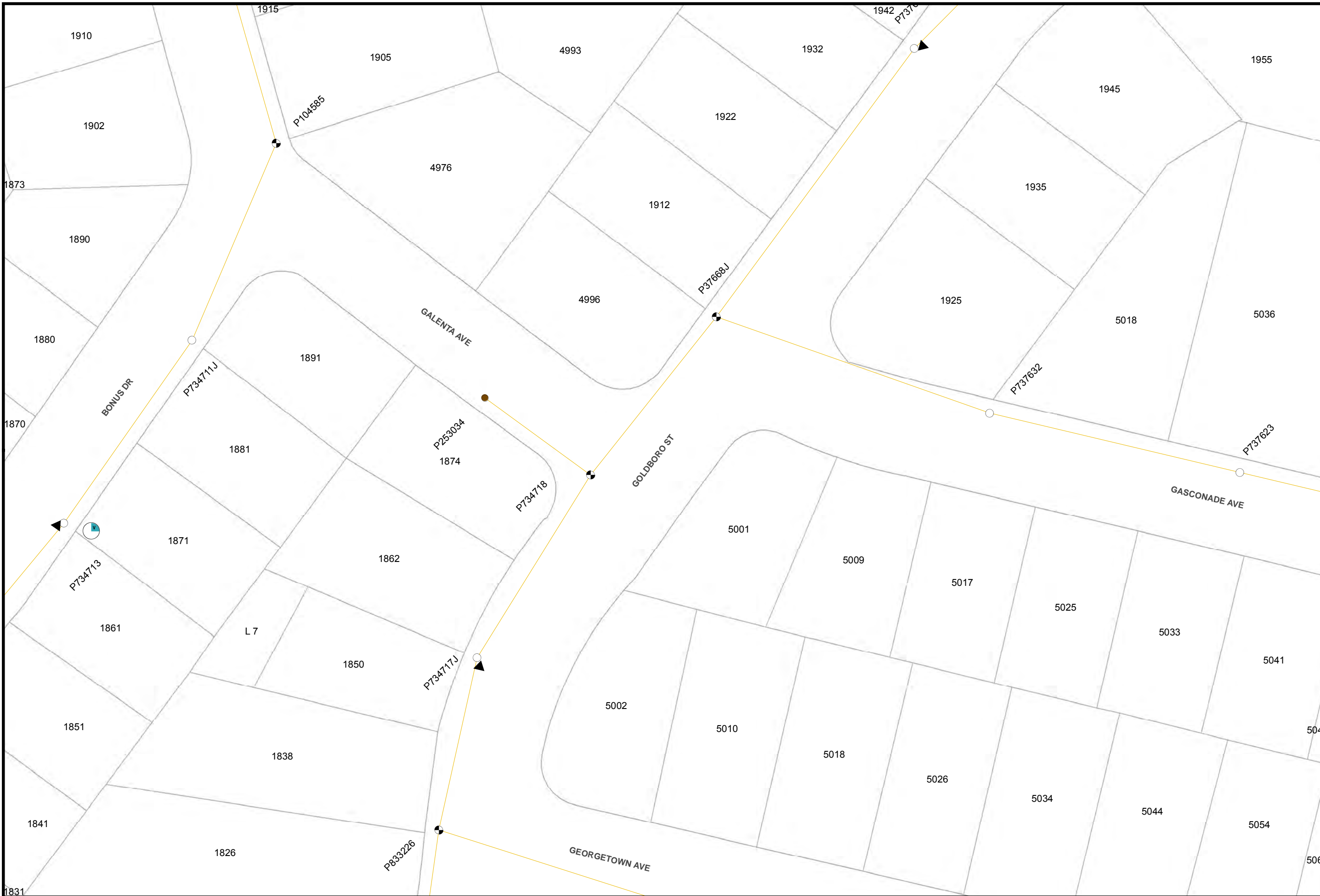


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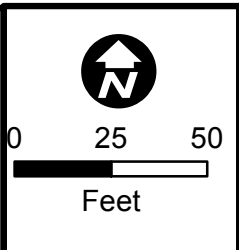
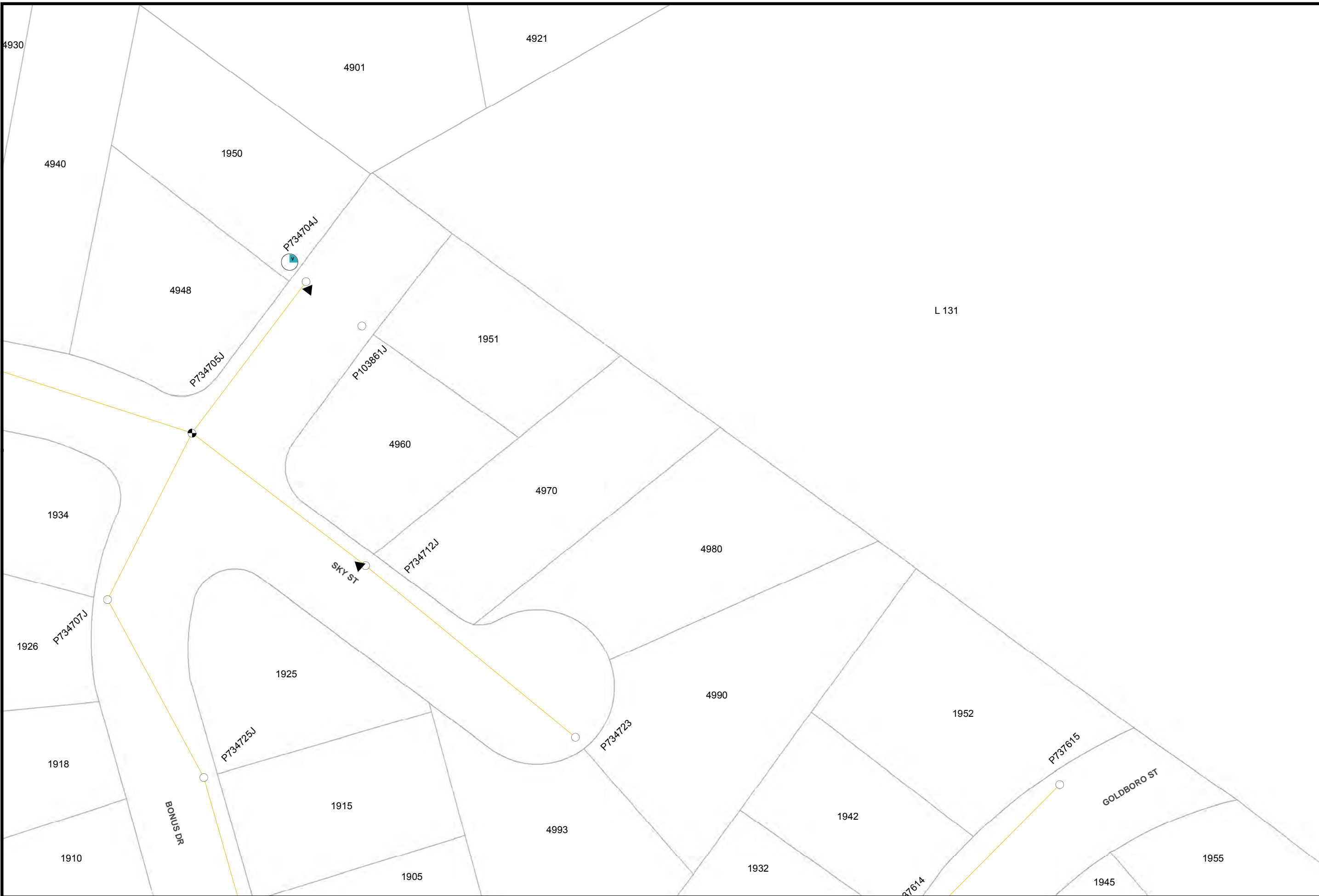
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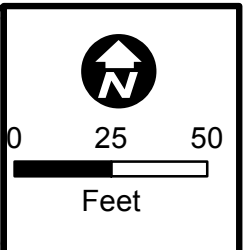
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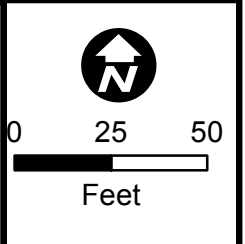
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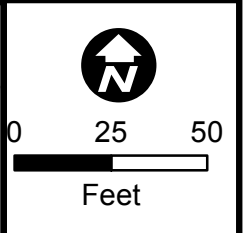
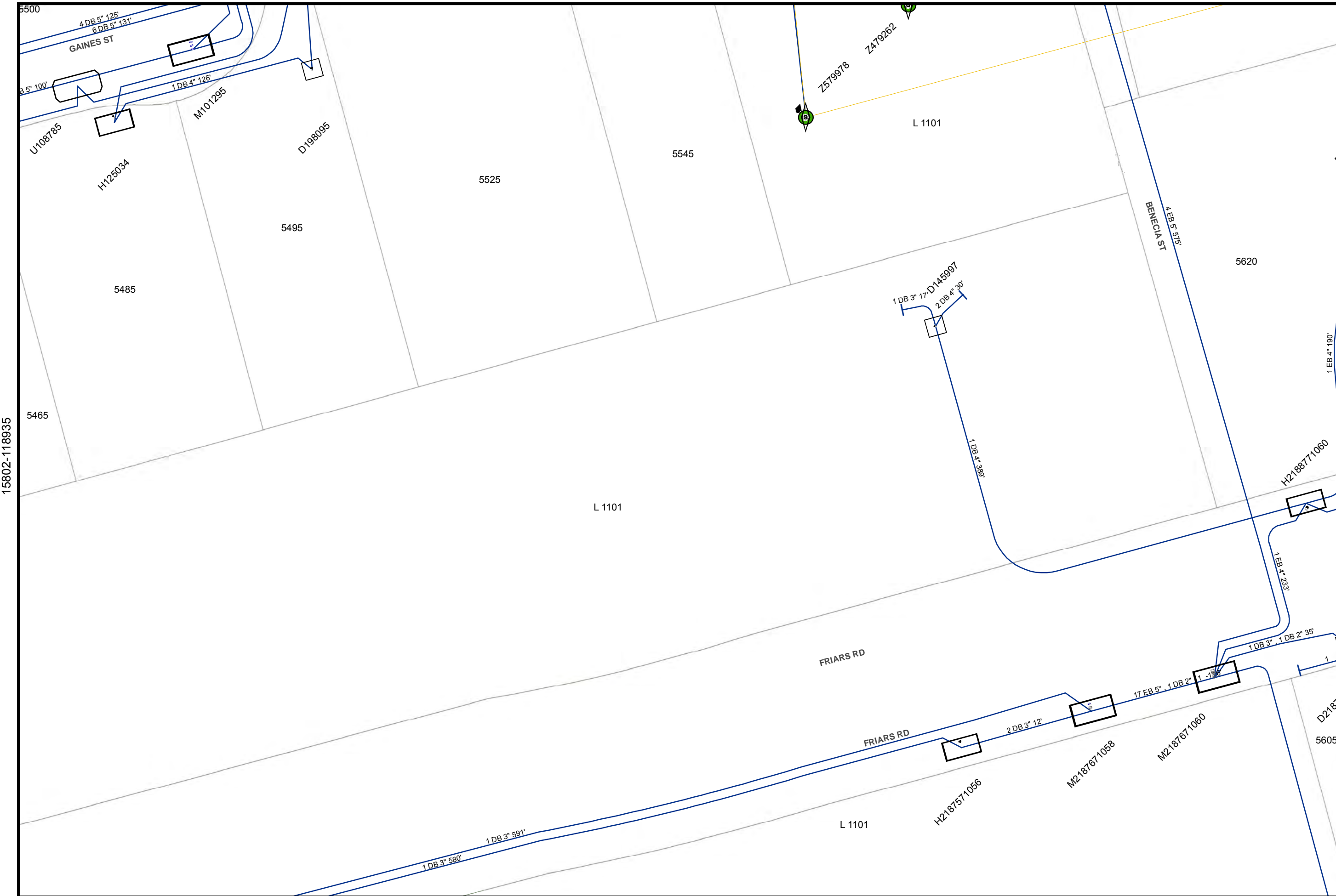


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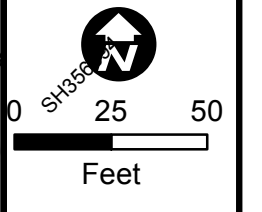
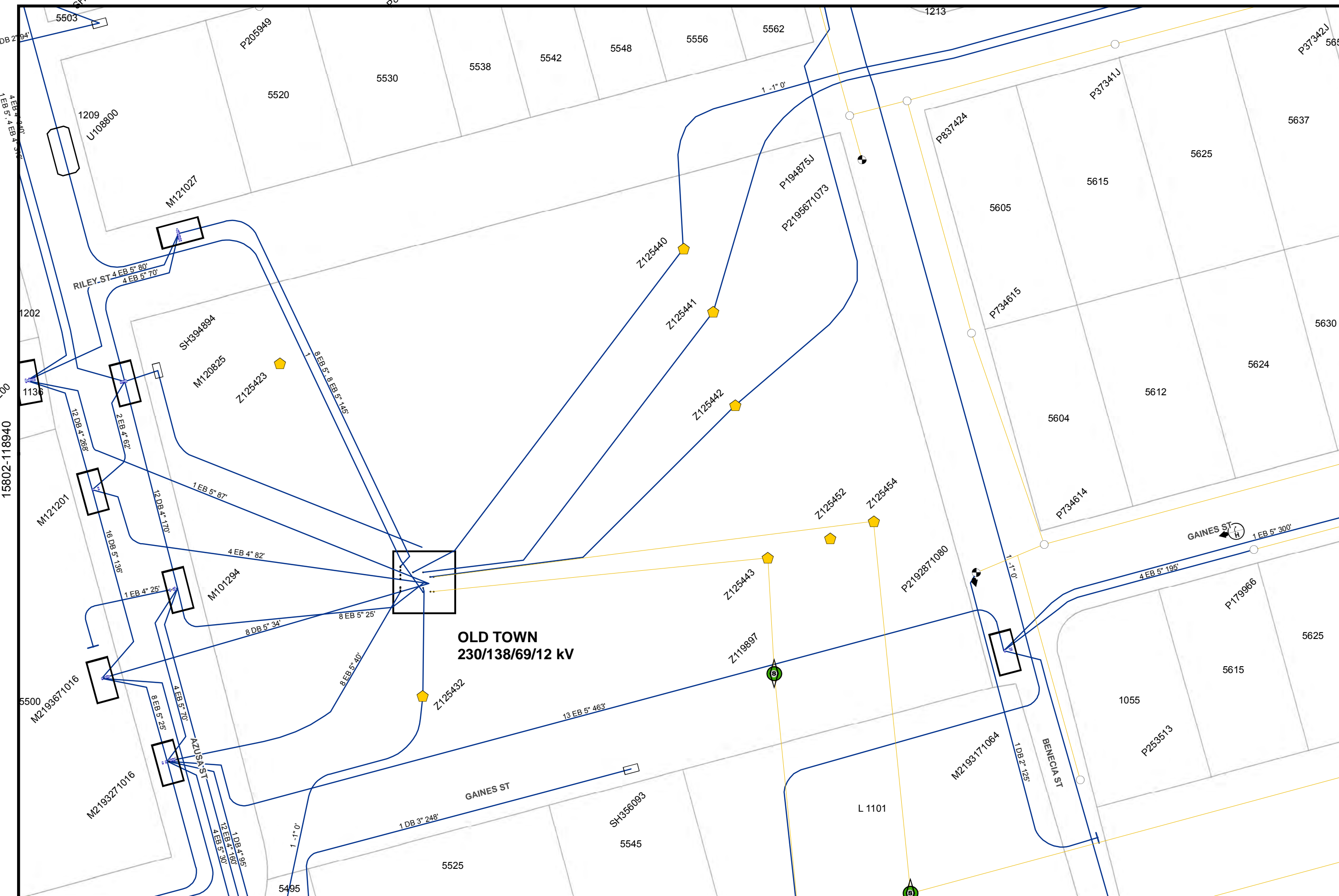
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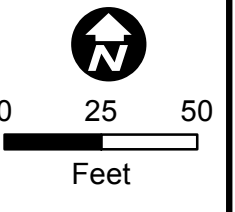




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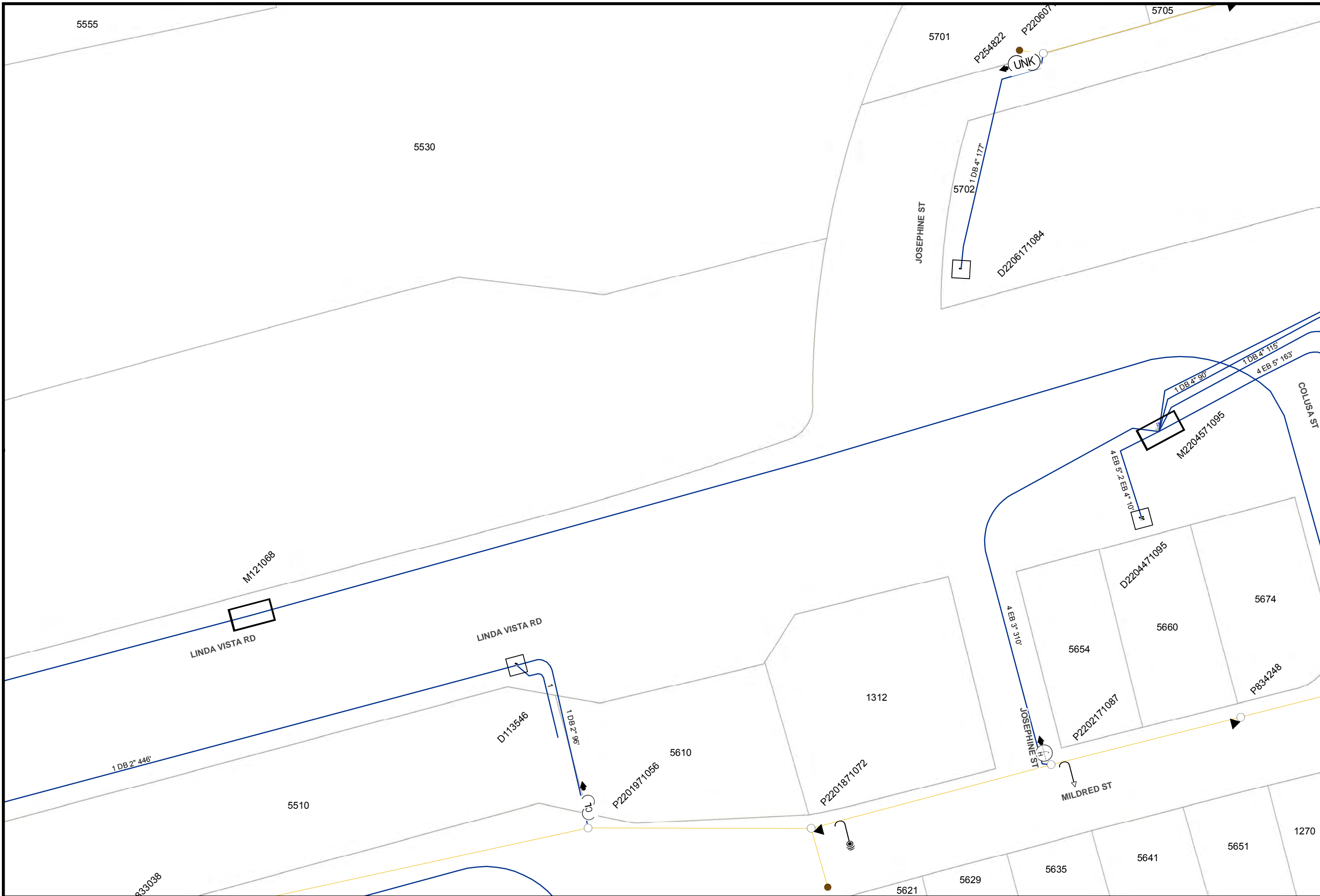
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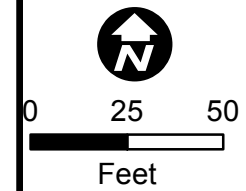


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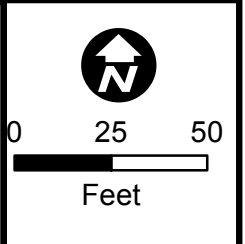


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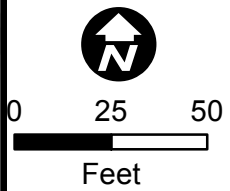
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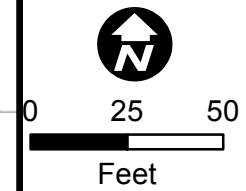
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15817-118980

L 24



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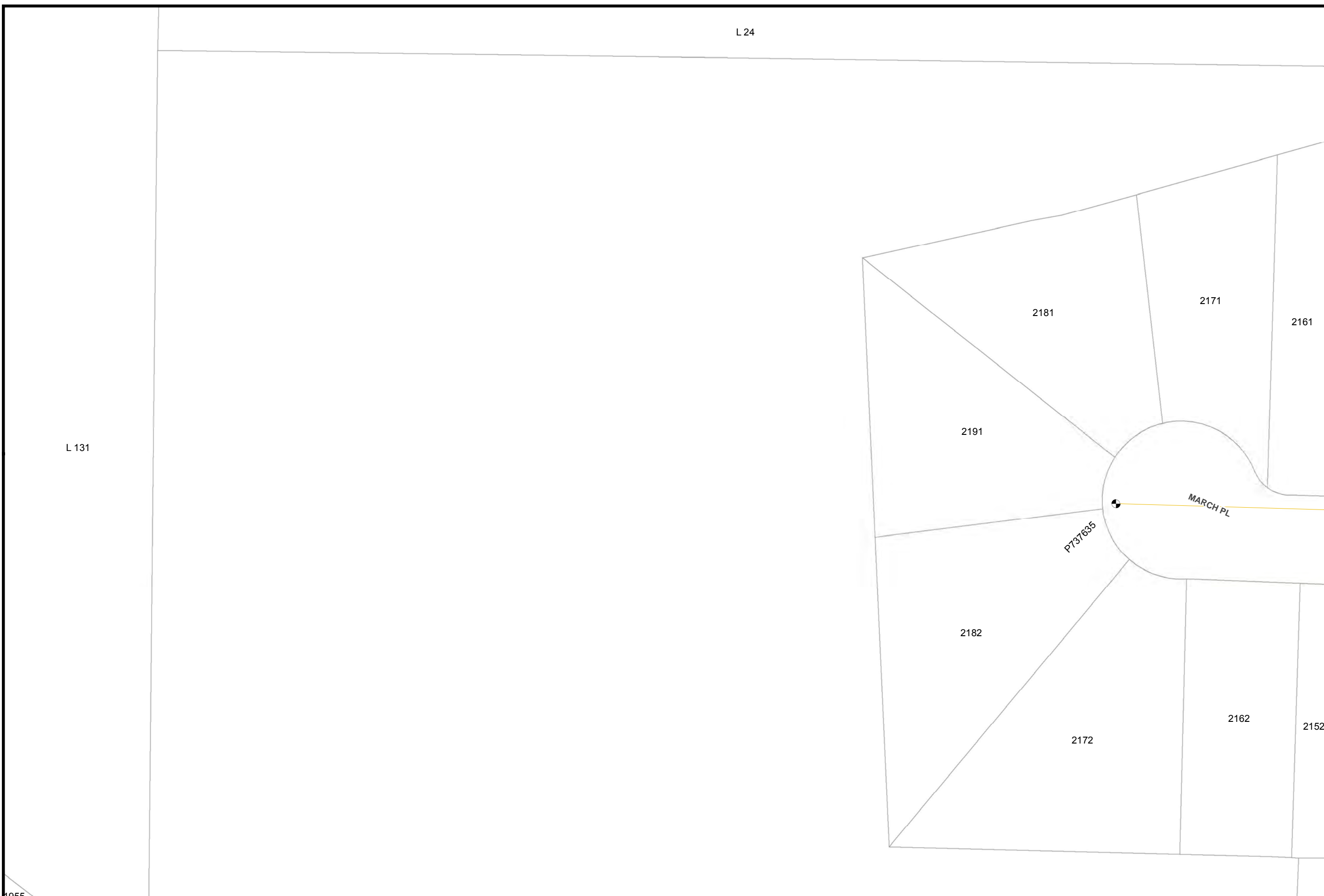
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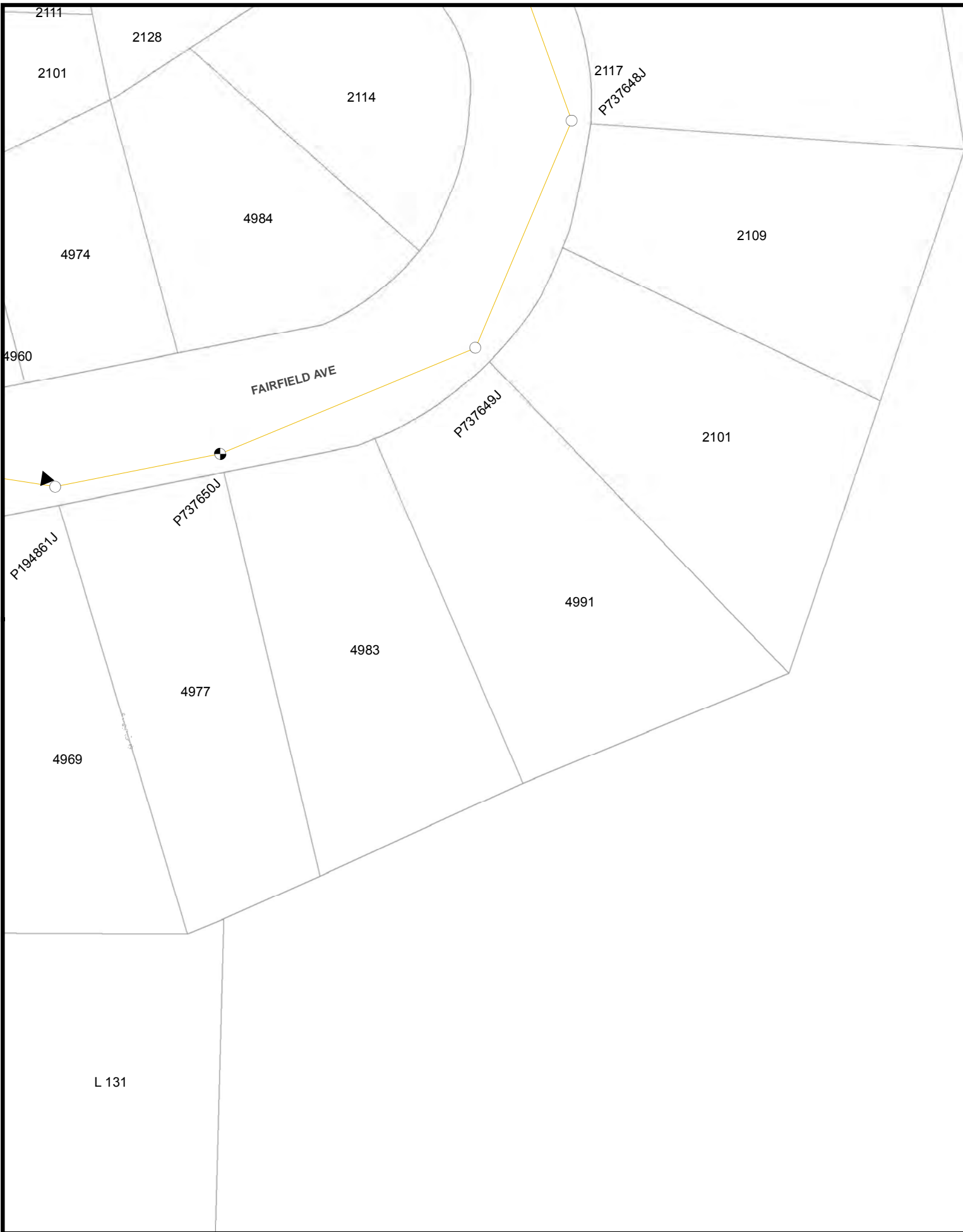
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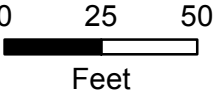
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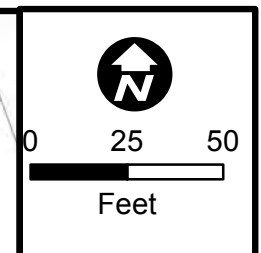
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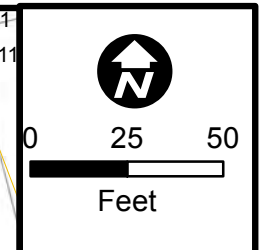


Map Number: 15810-118995
 Map Type: **Conductor Path Map**
 Printed By: CORPISBarton2
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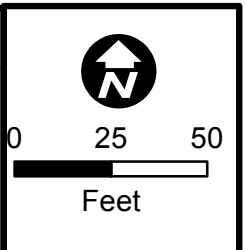
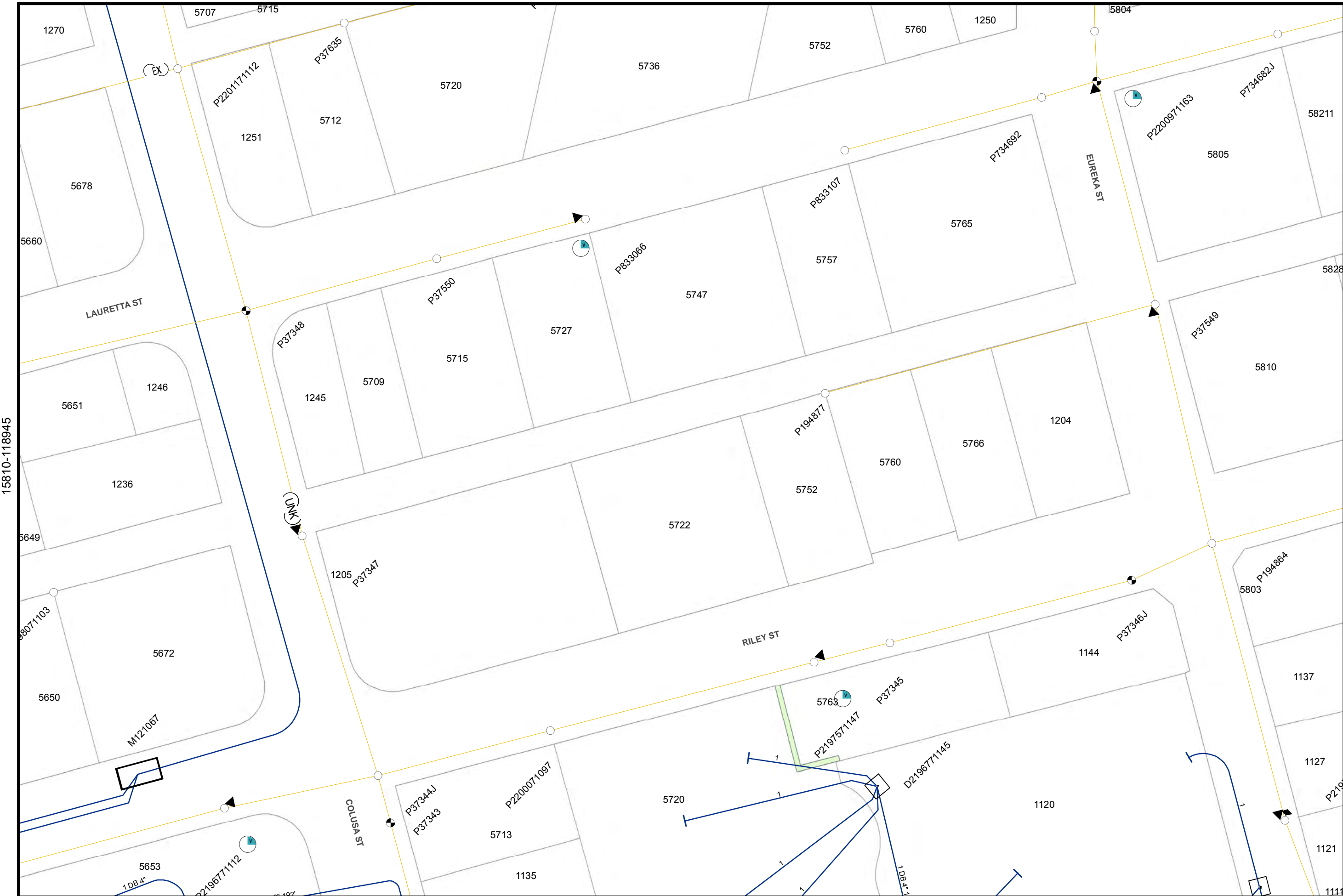
15810-118940



Map Number: 15817-118940
 Map Type: **Conductor Path Map**
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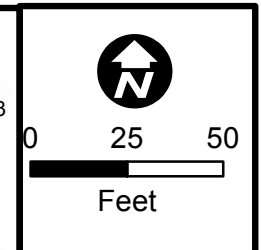
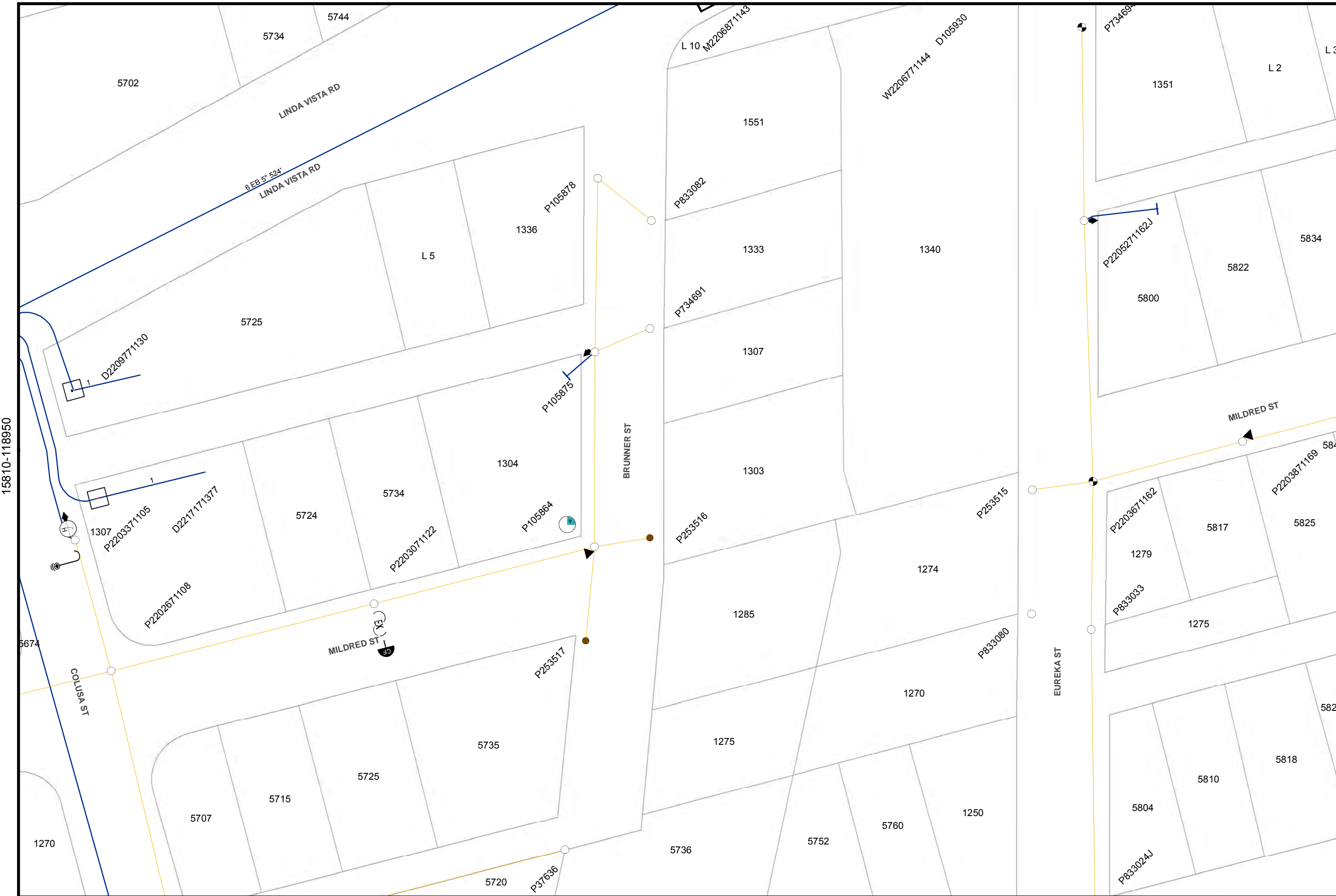


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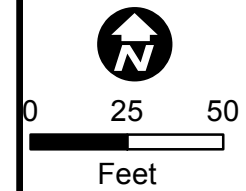
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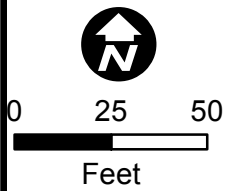
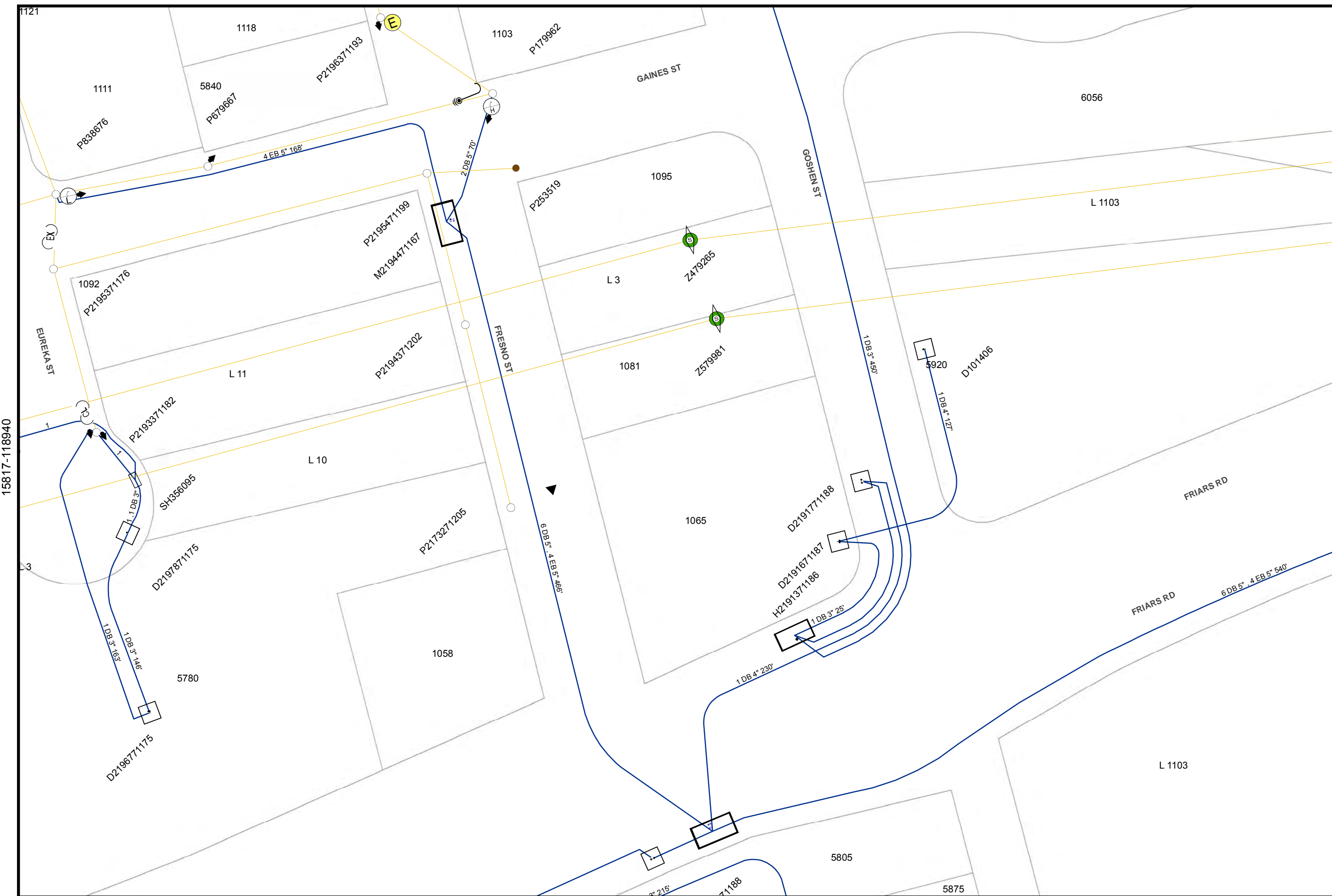
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15810-118955

15825-118955

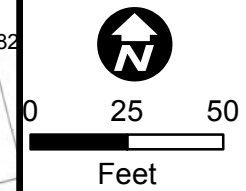


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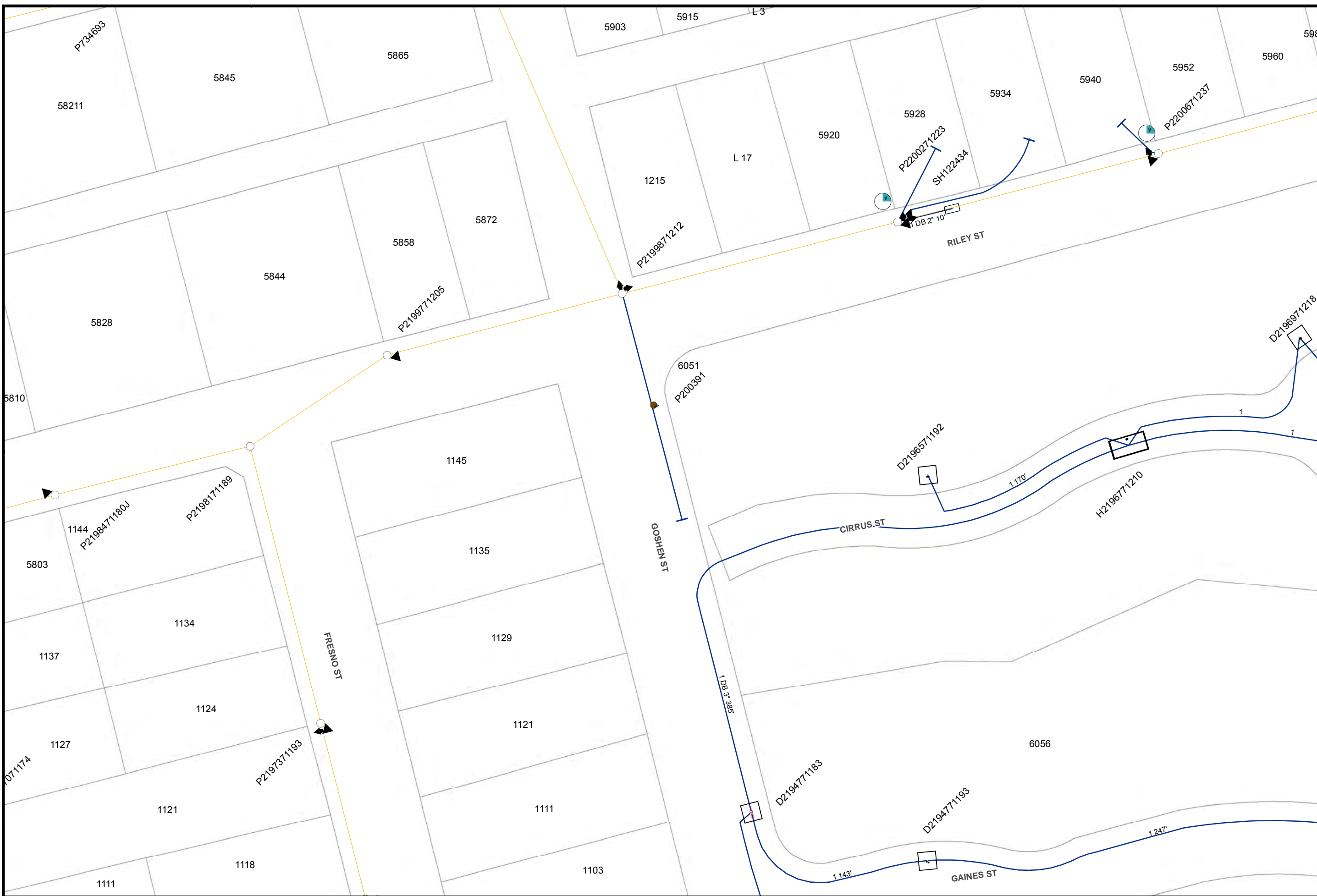
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15817-118940



15817-118945

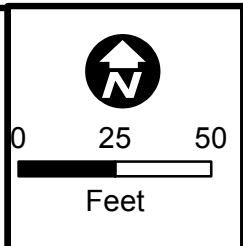
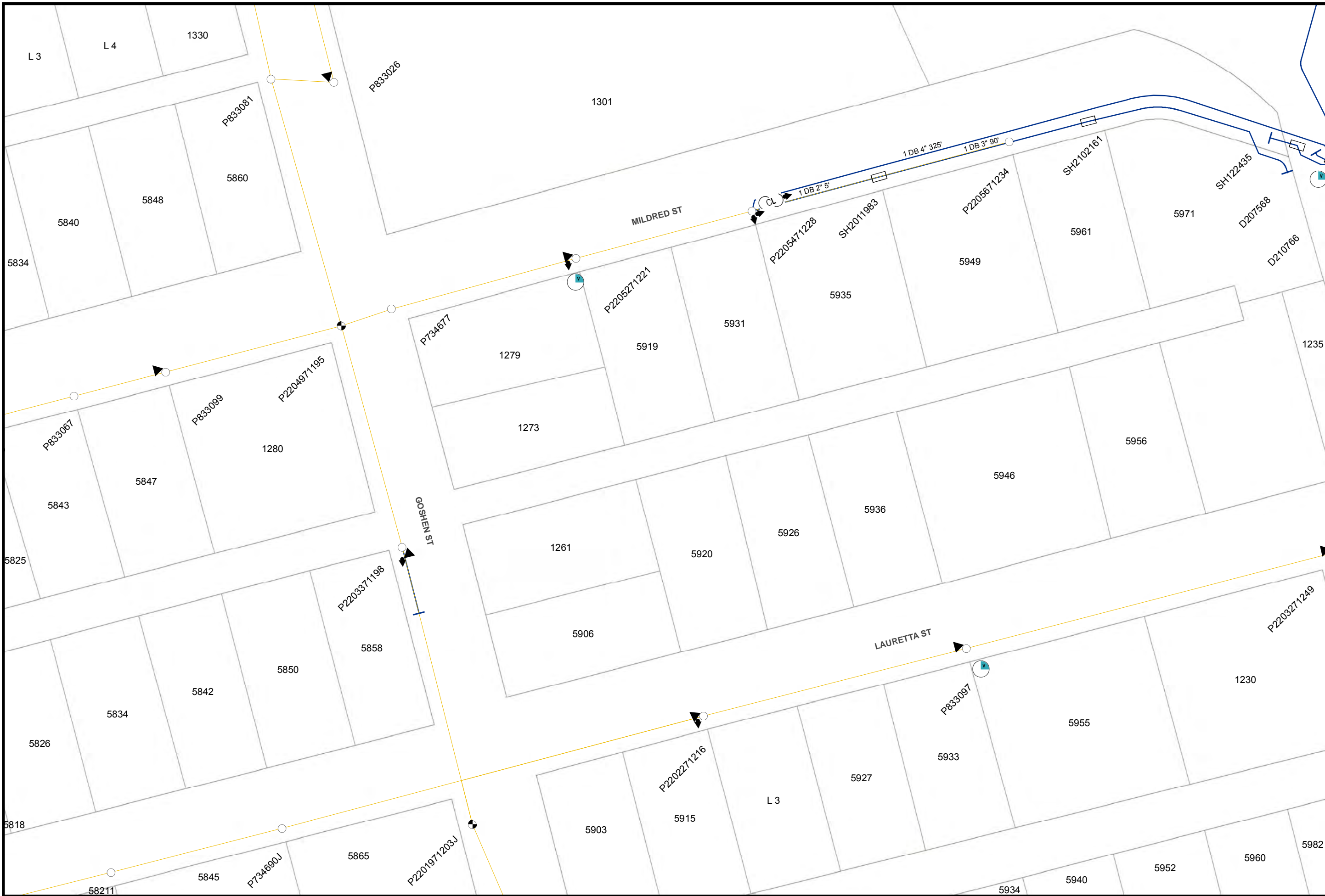


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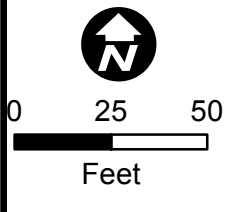
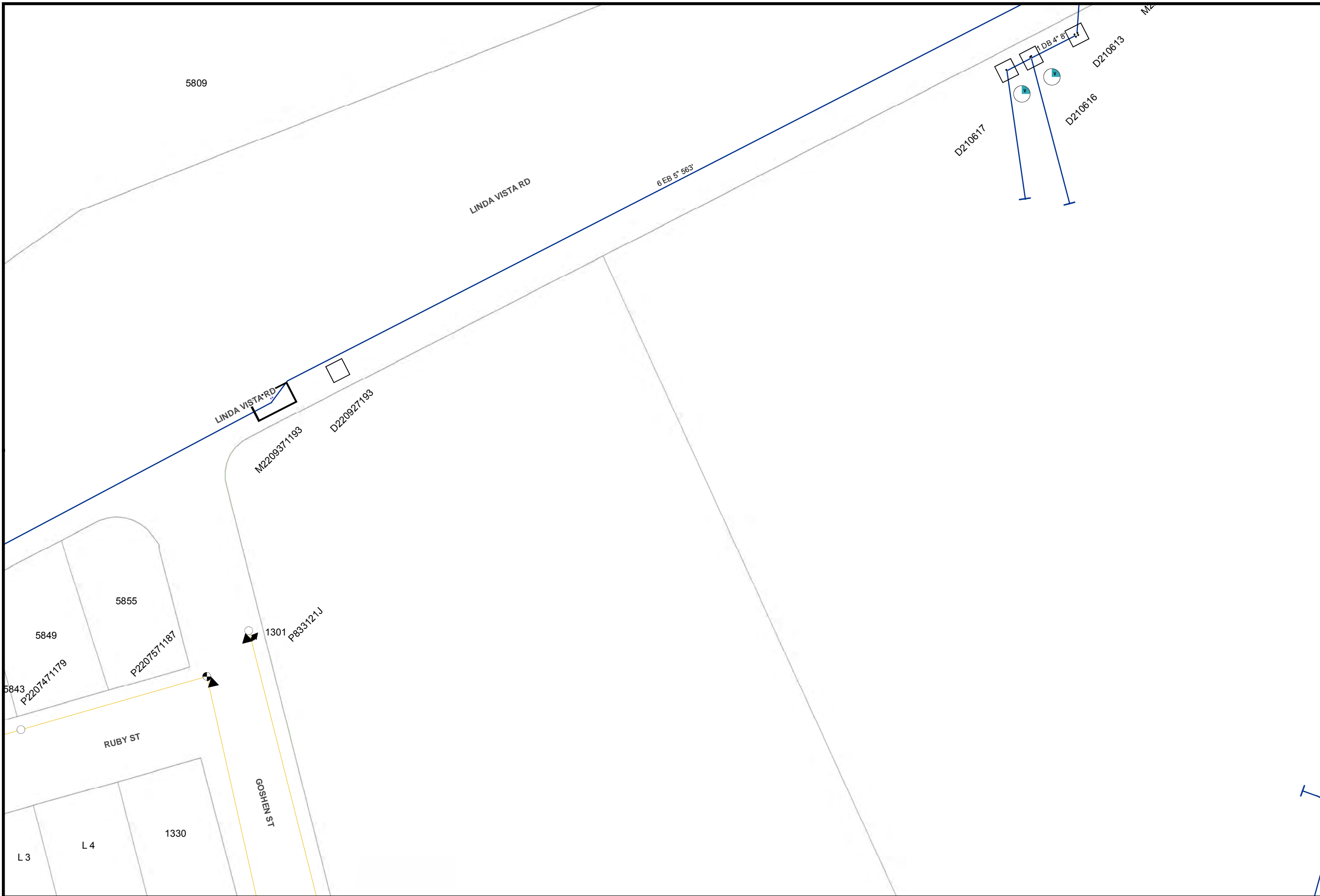
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Map Type: Conductor Path Map
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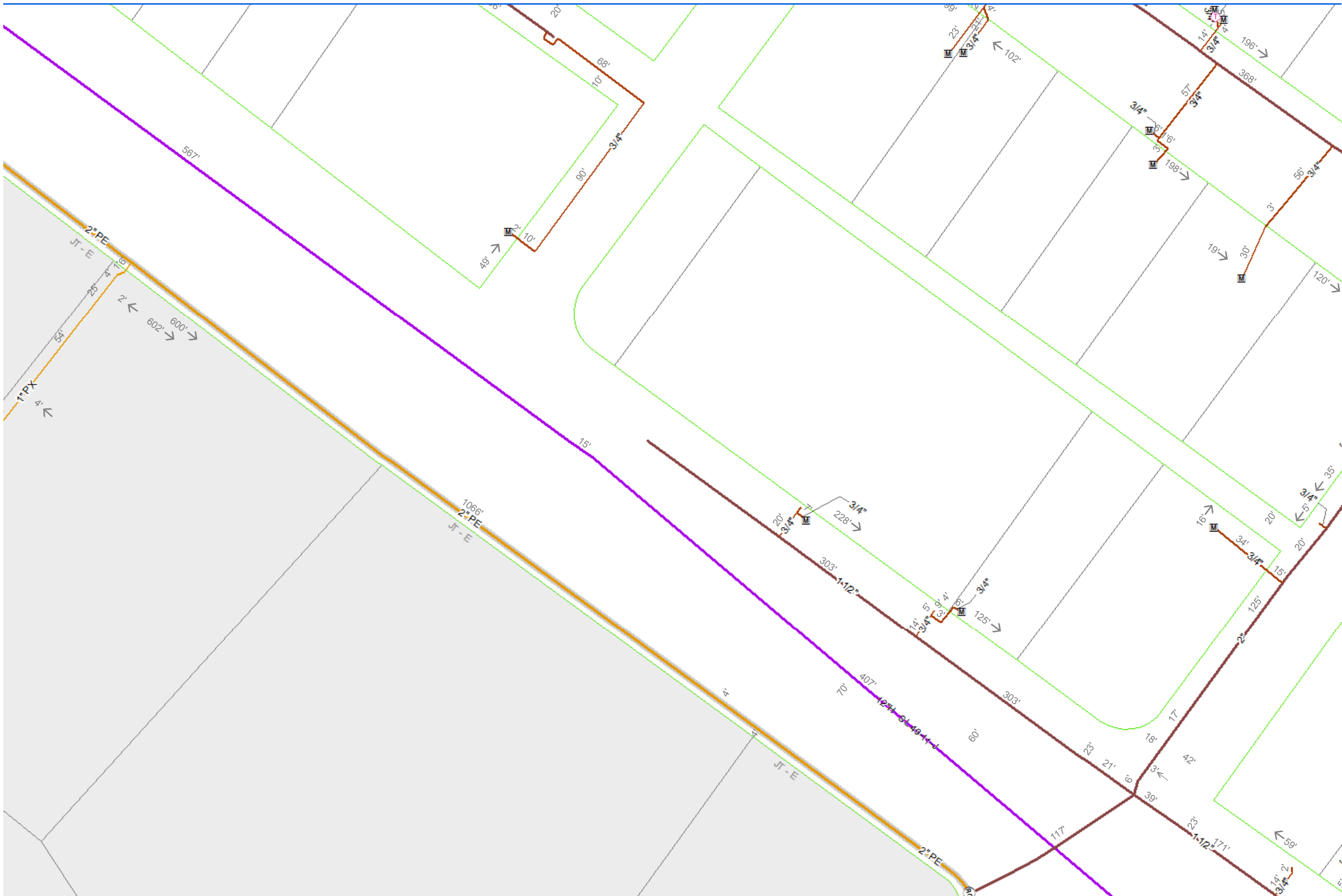
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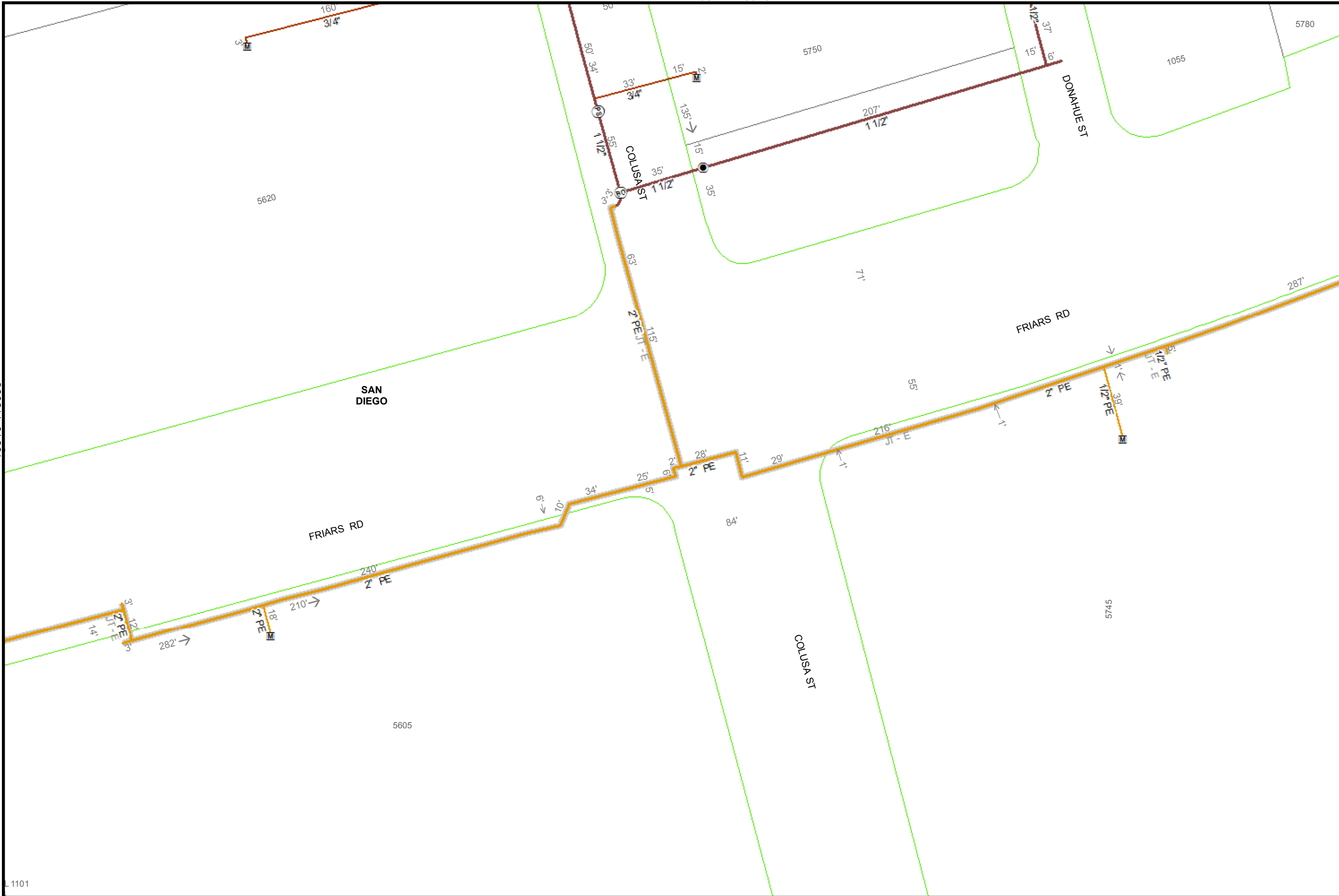
15832-118955




15810-118935

15817-118940

15817-118930




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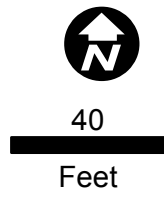
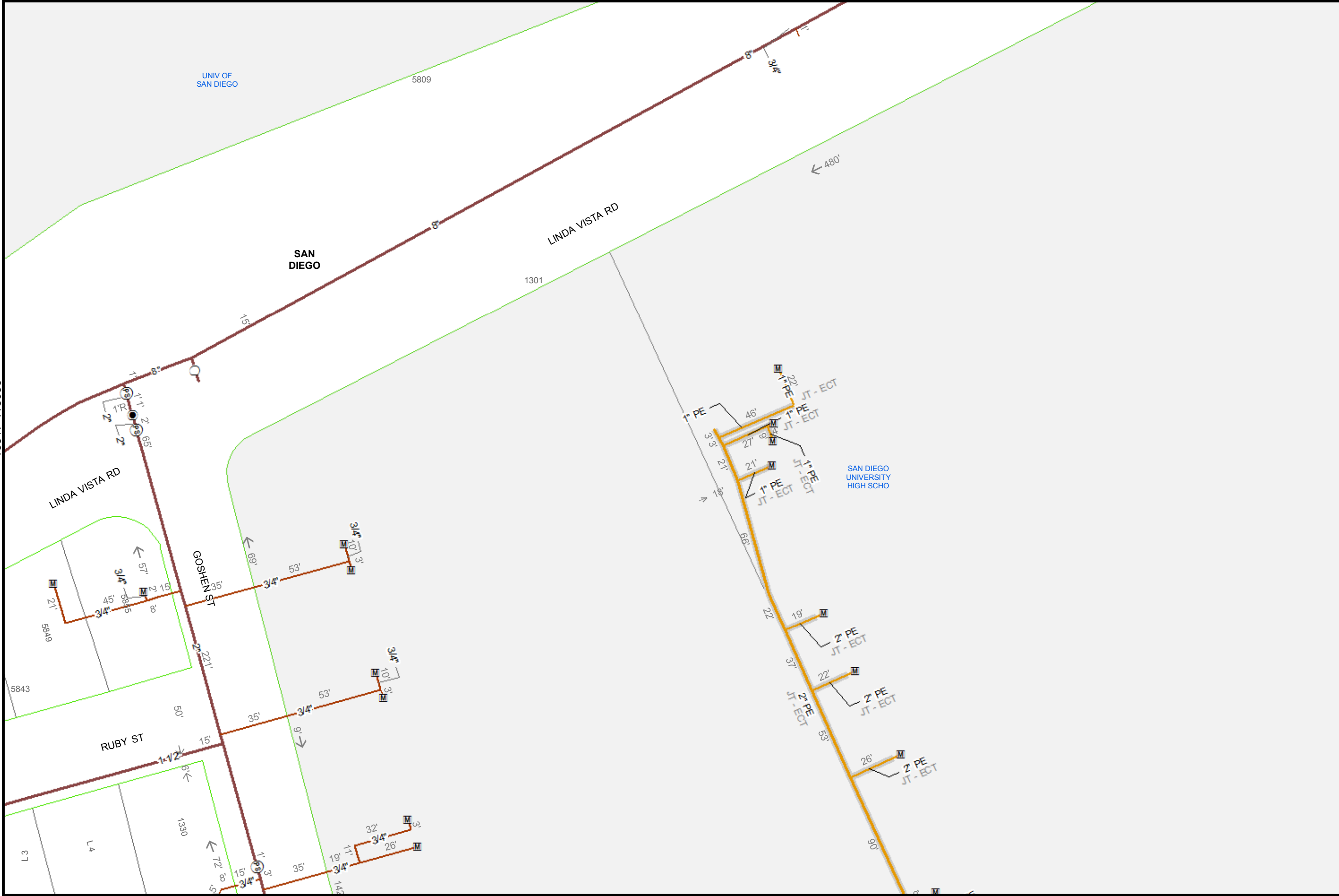
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Map Type:	Gas Asset Map
Printed By:	ekaufma1
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118935

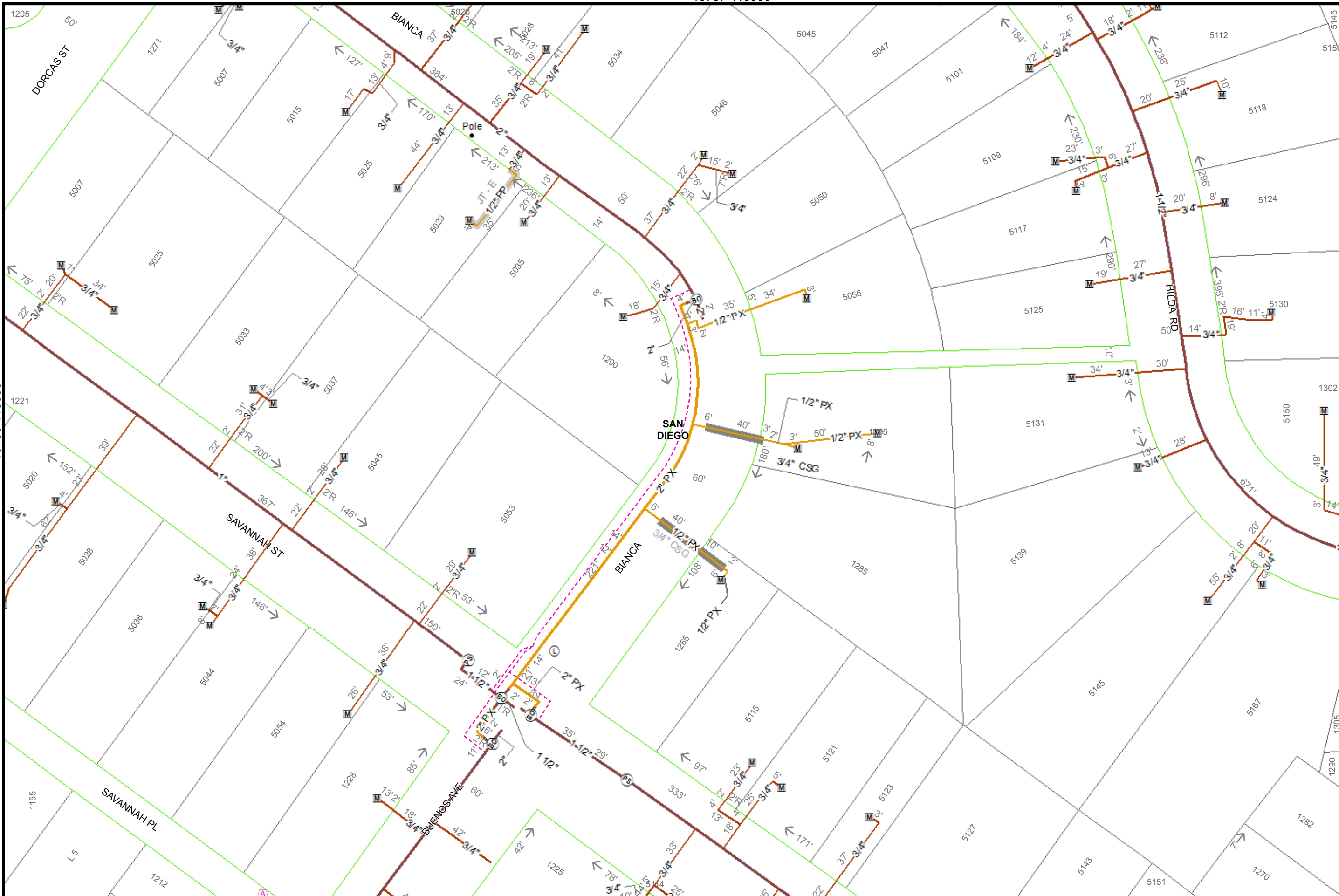
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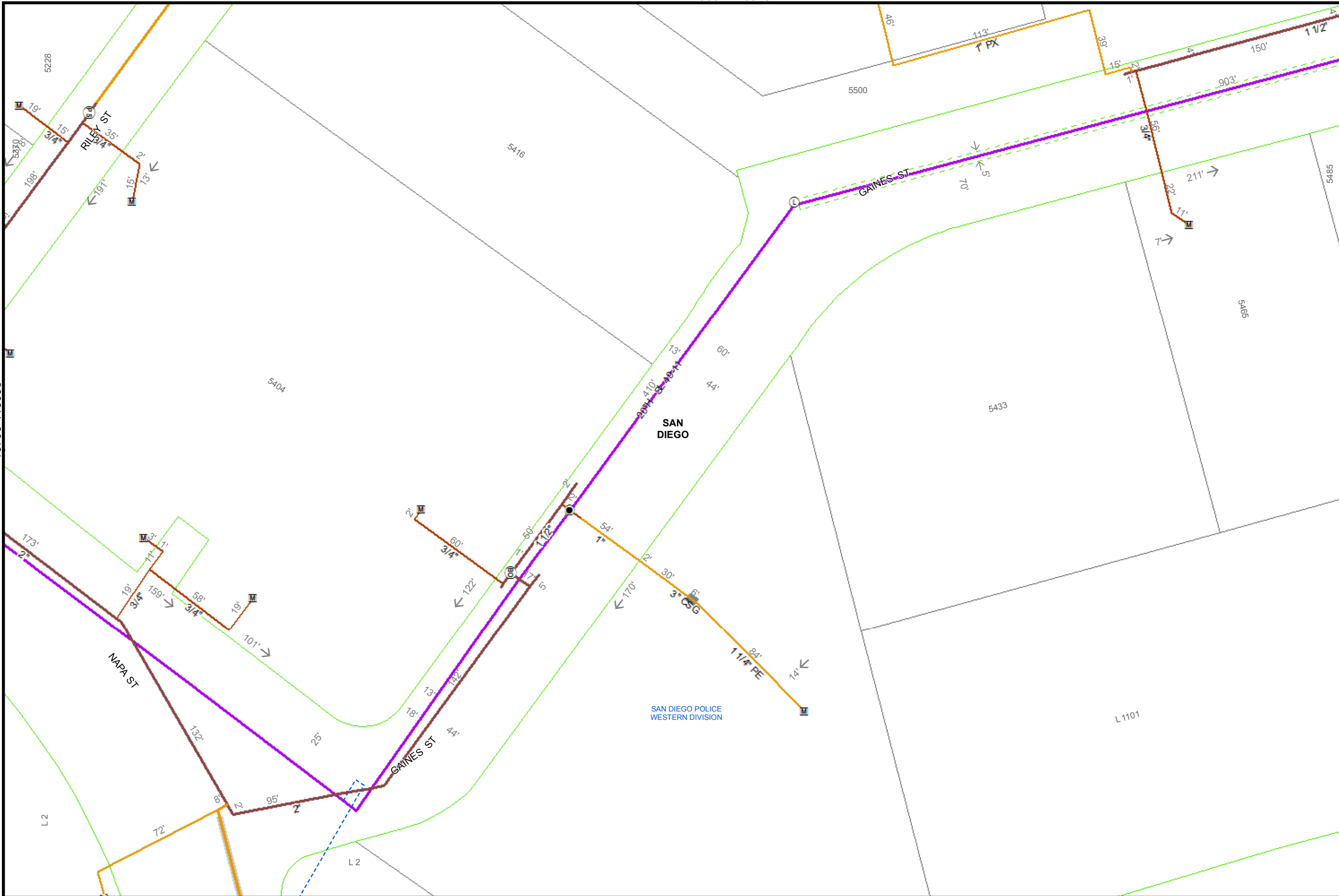



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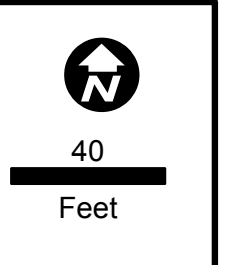
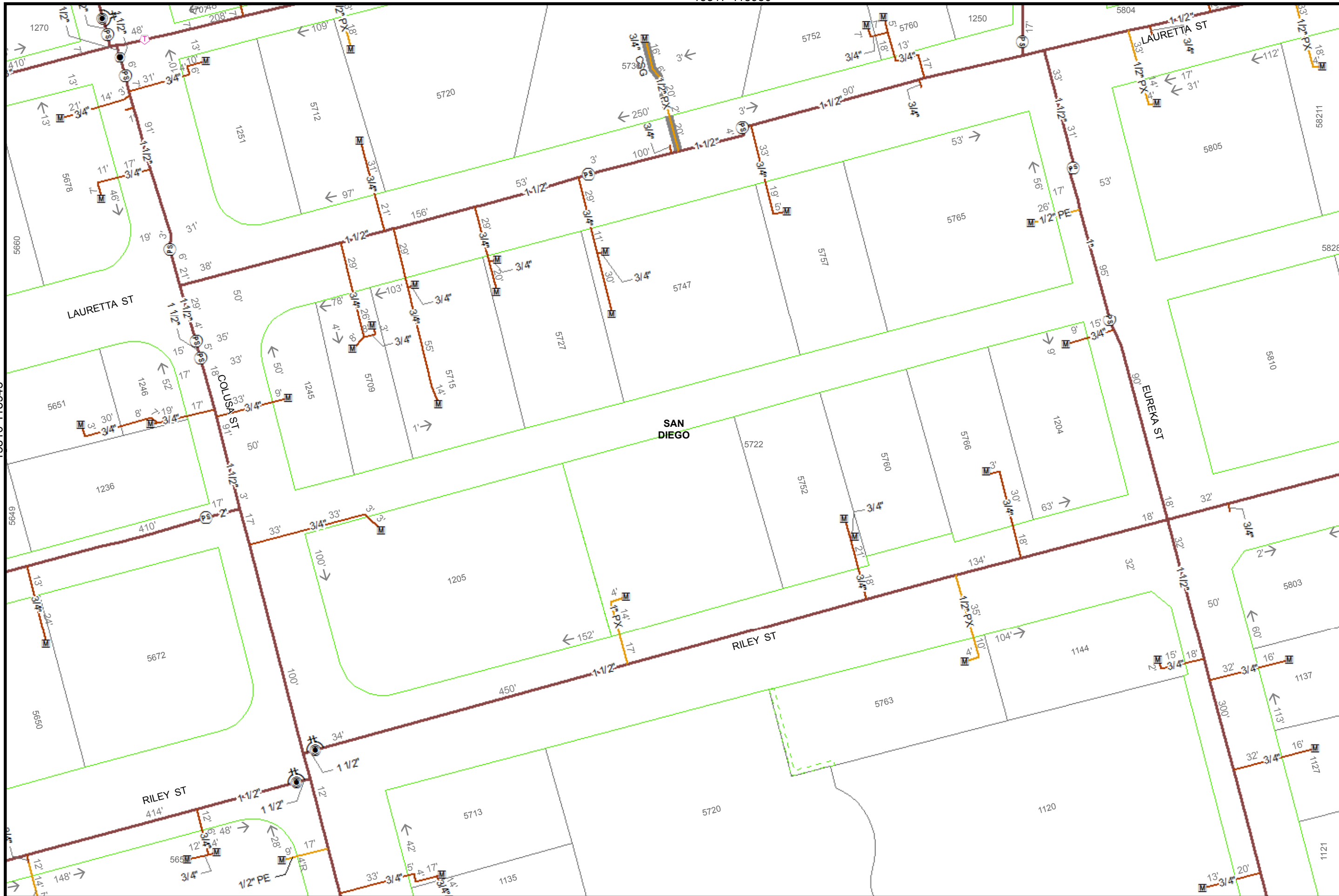



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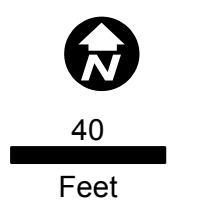
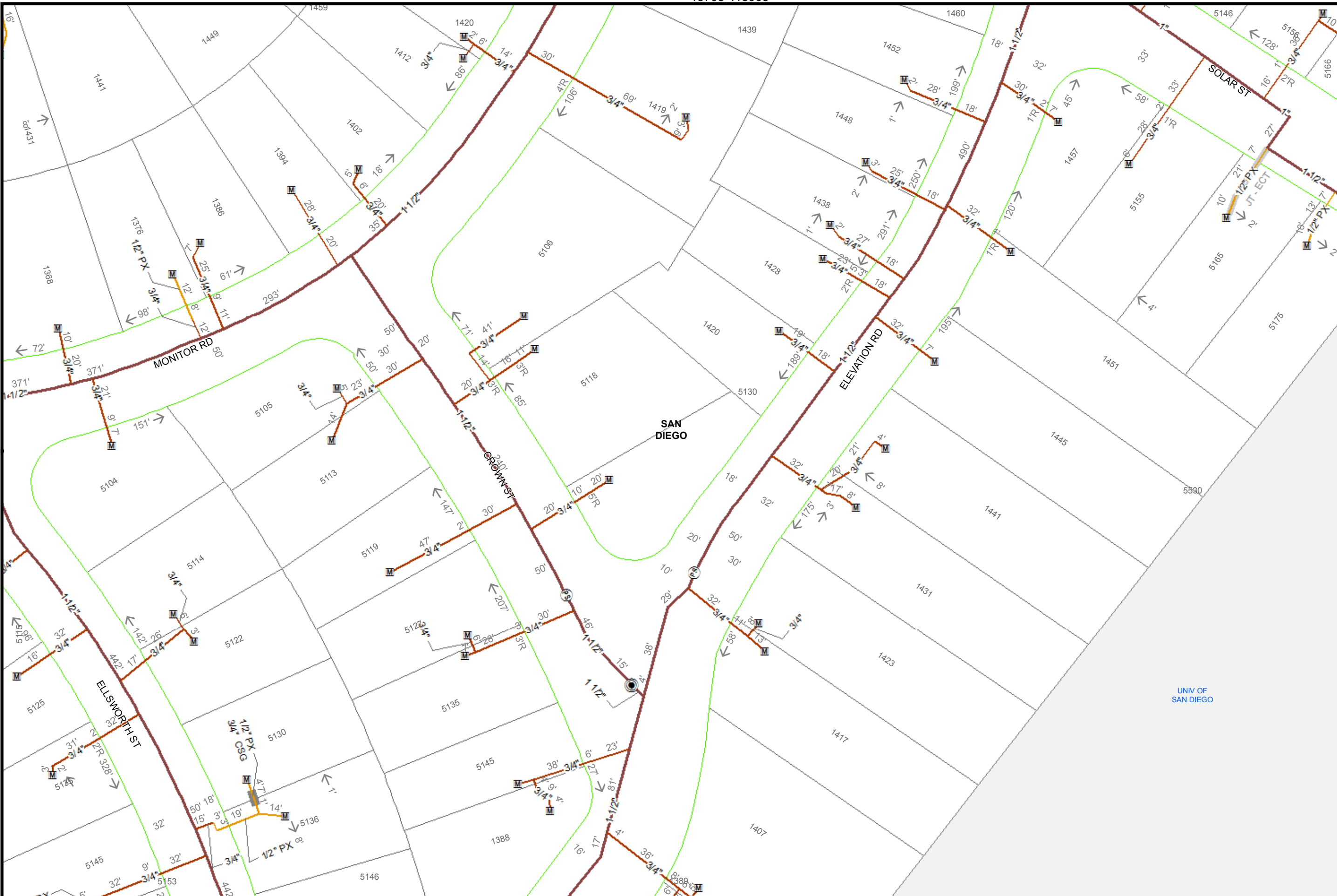




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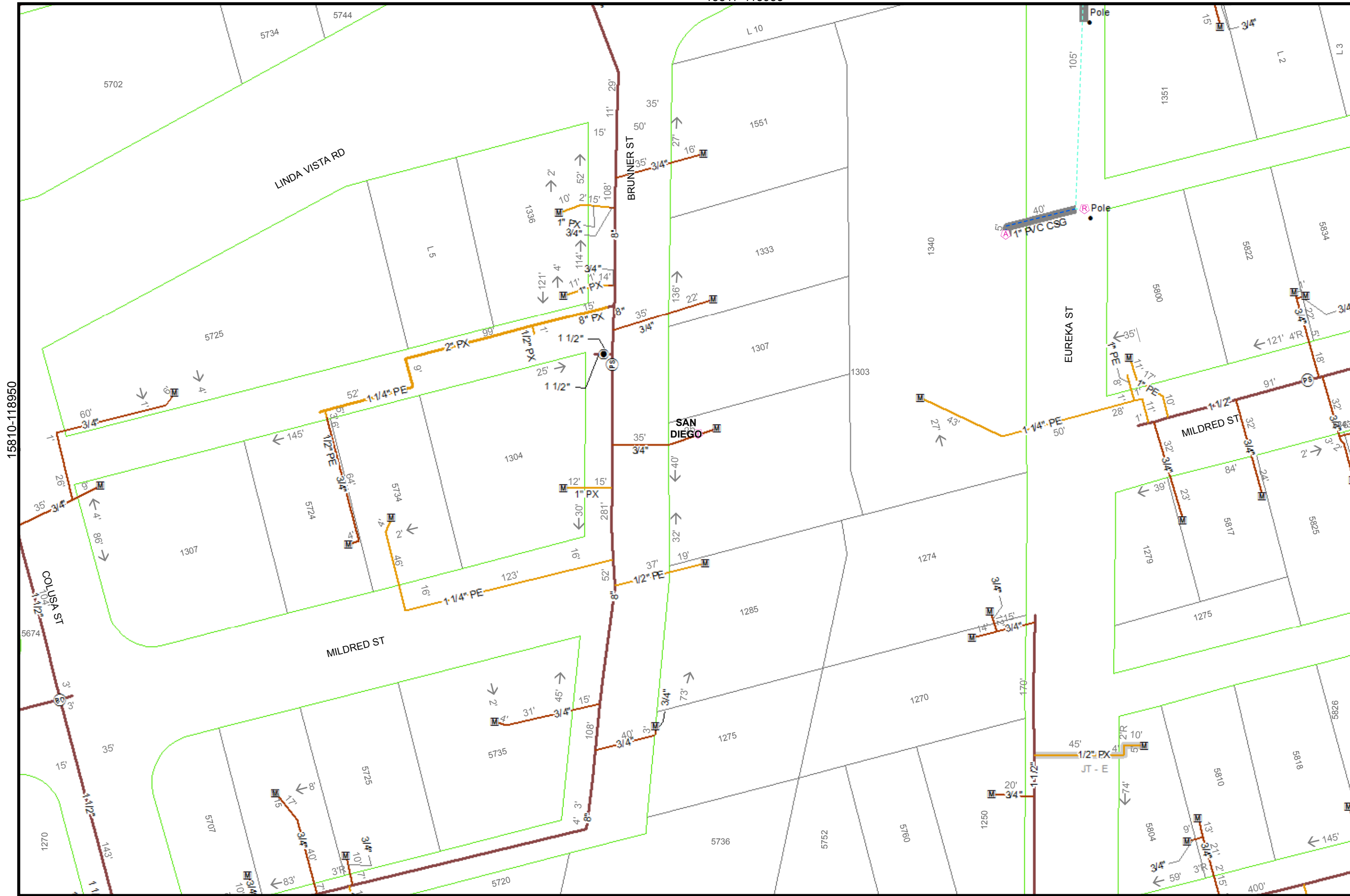




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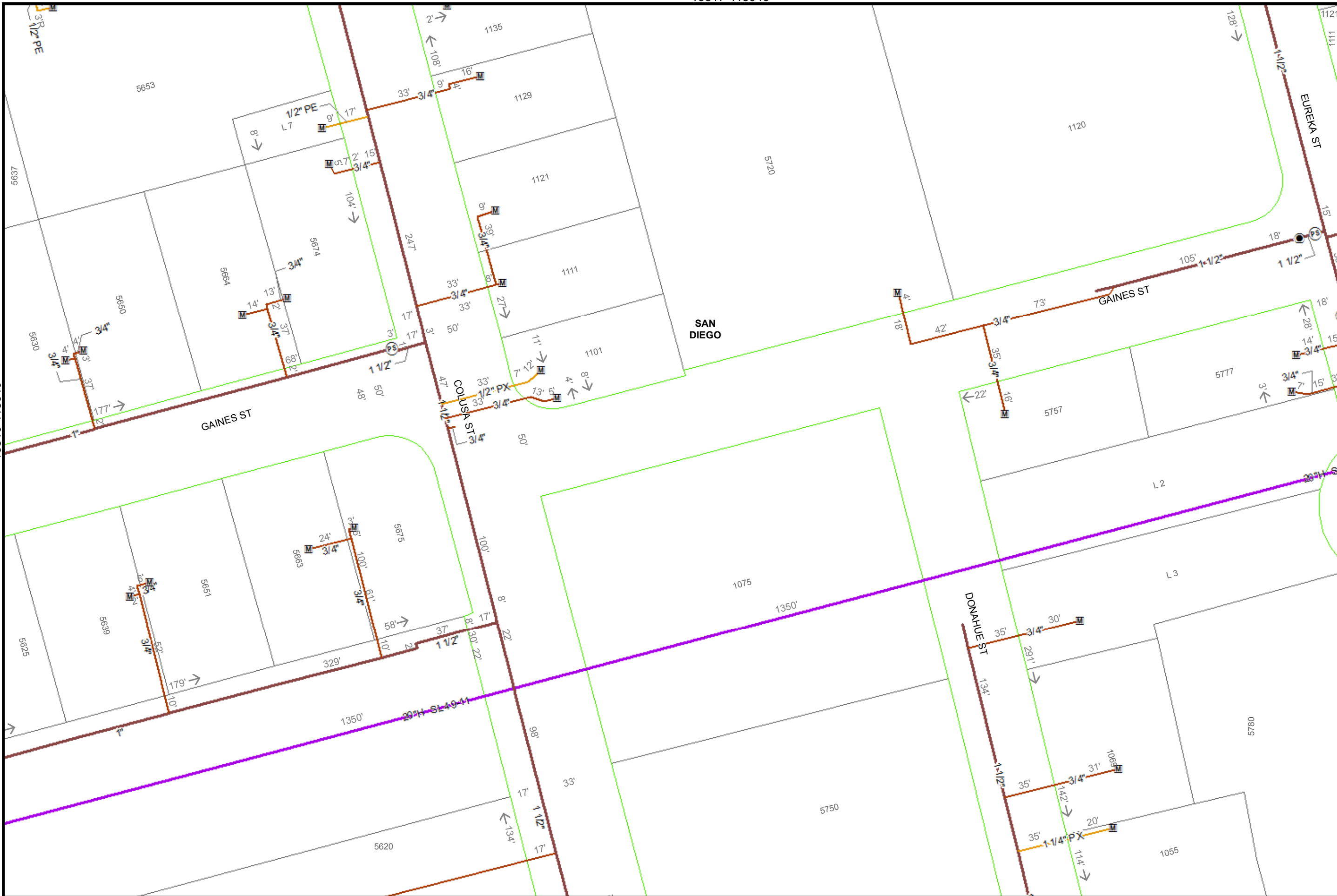





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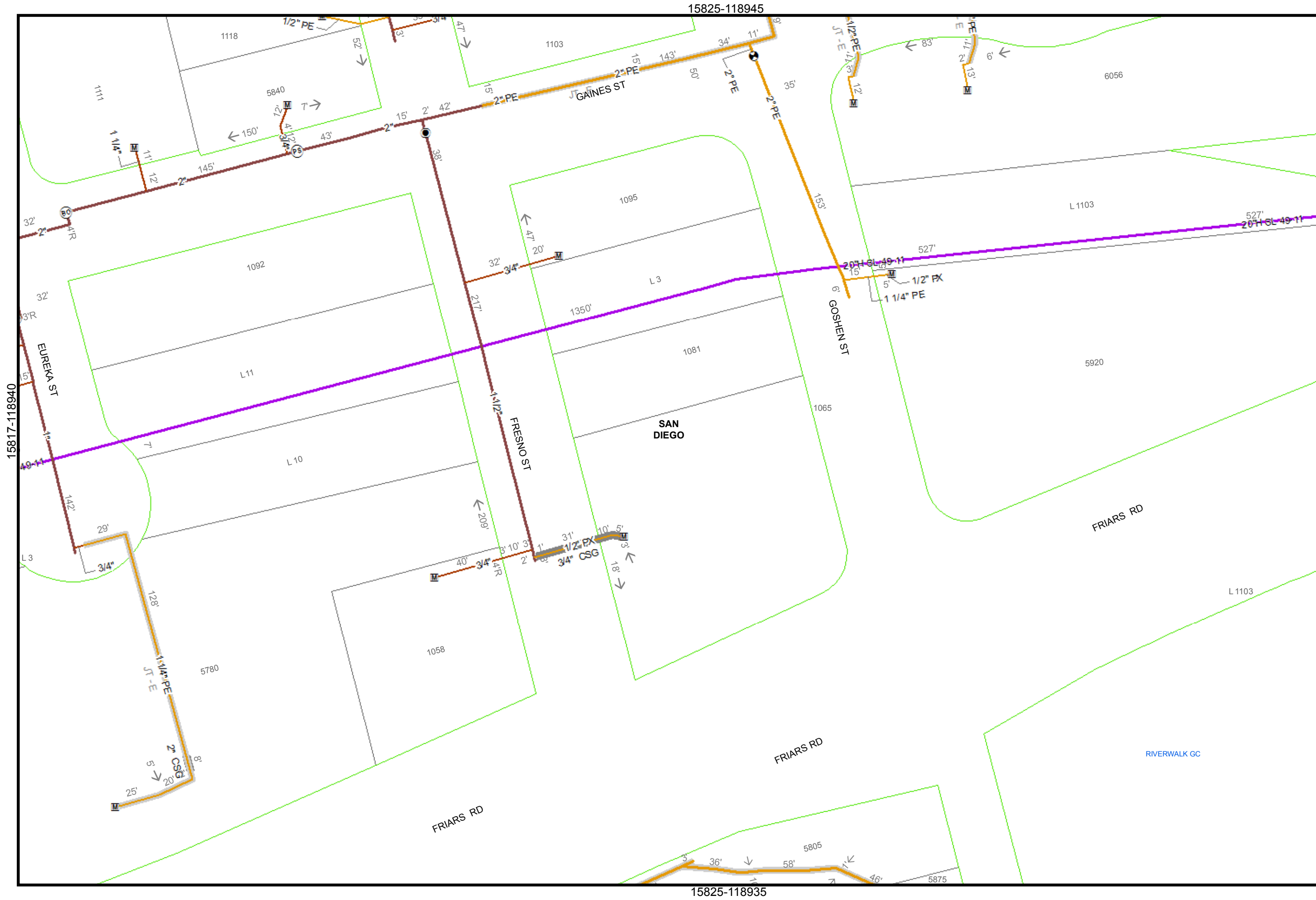

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15825-118940
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15825-118945

15817-118940

15825-118935

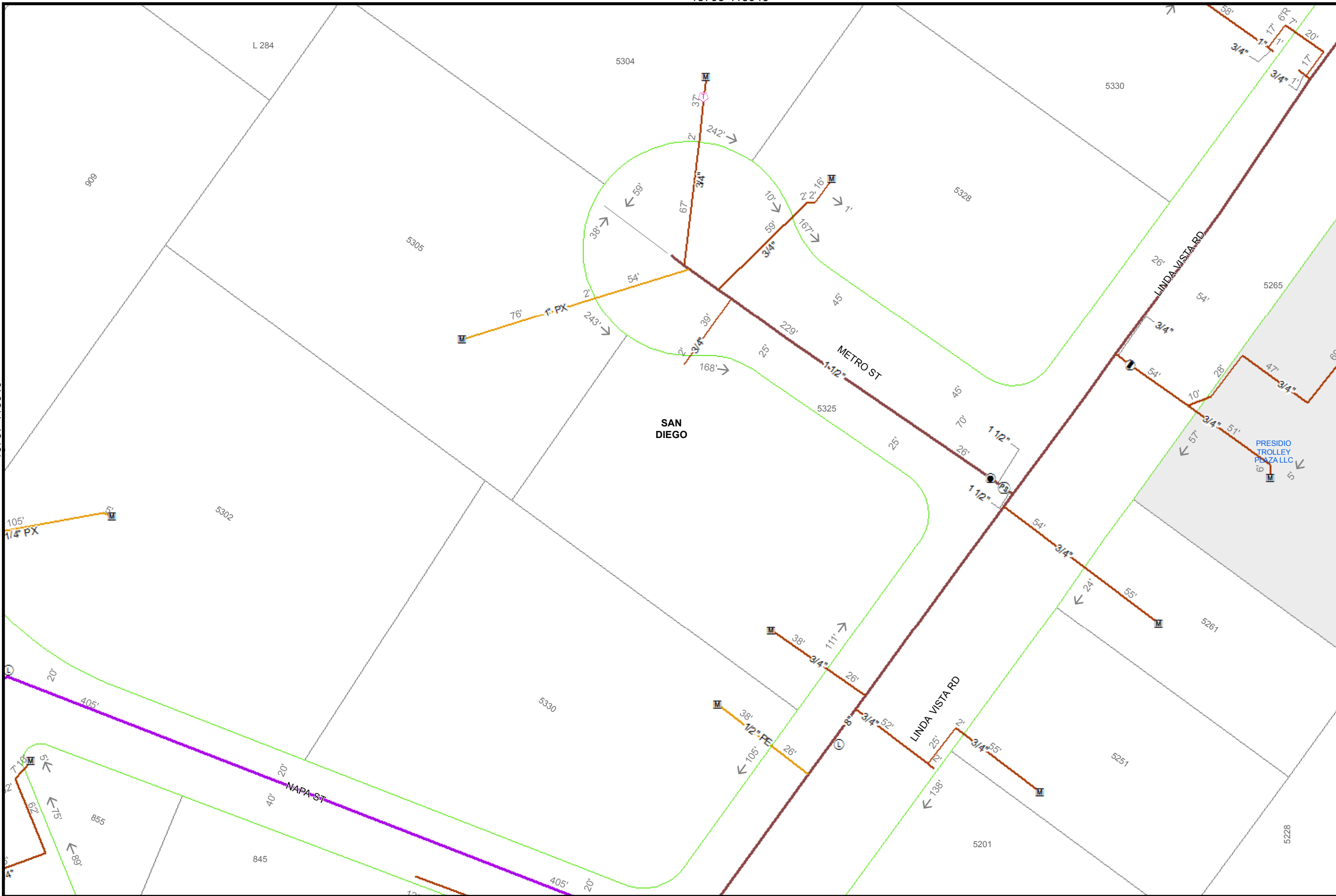


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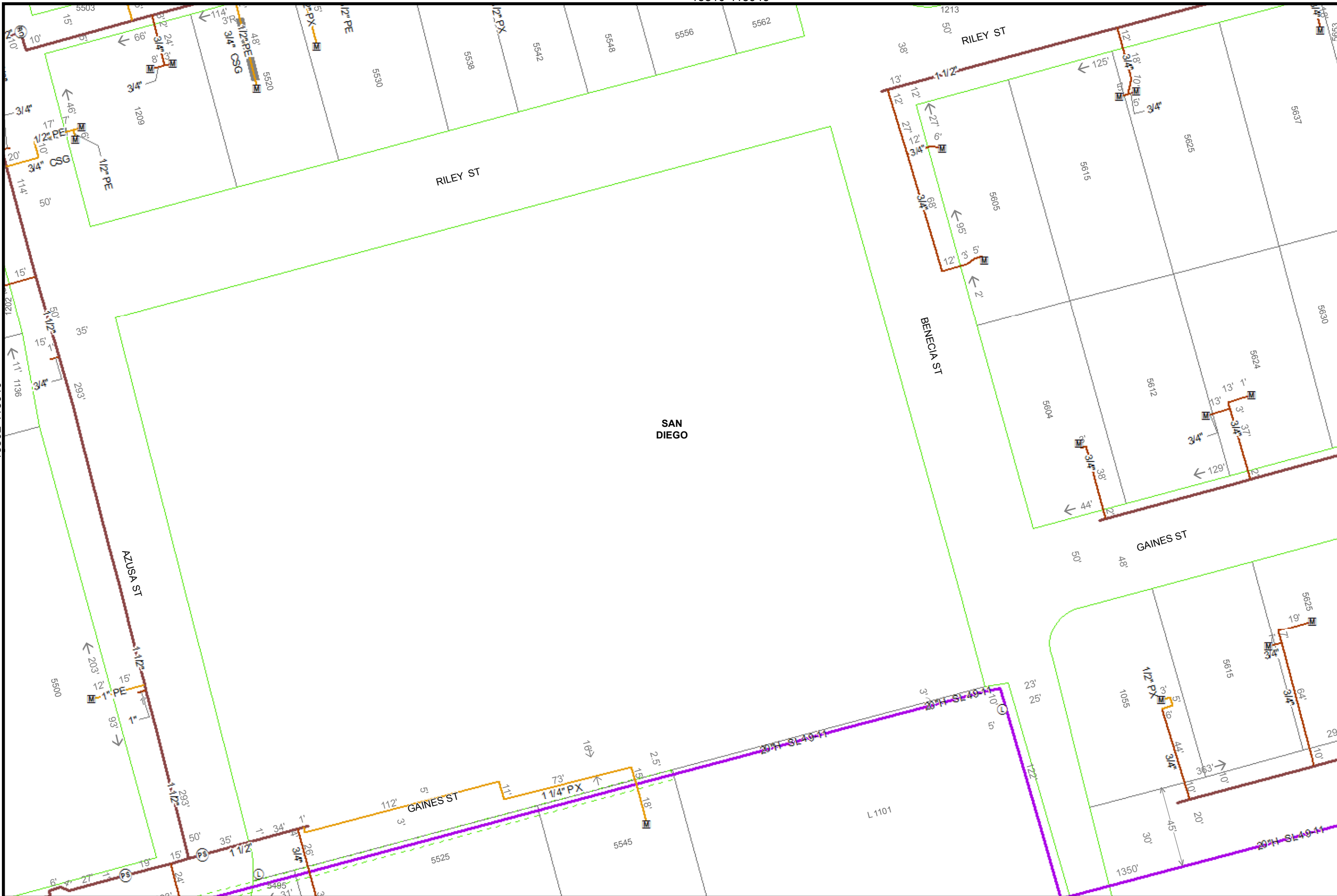
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Feet

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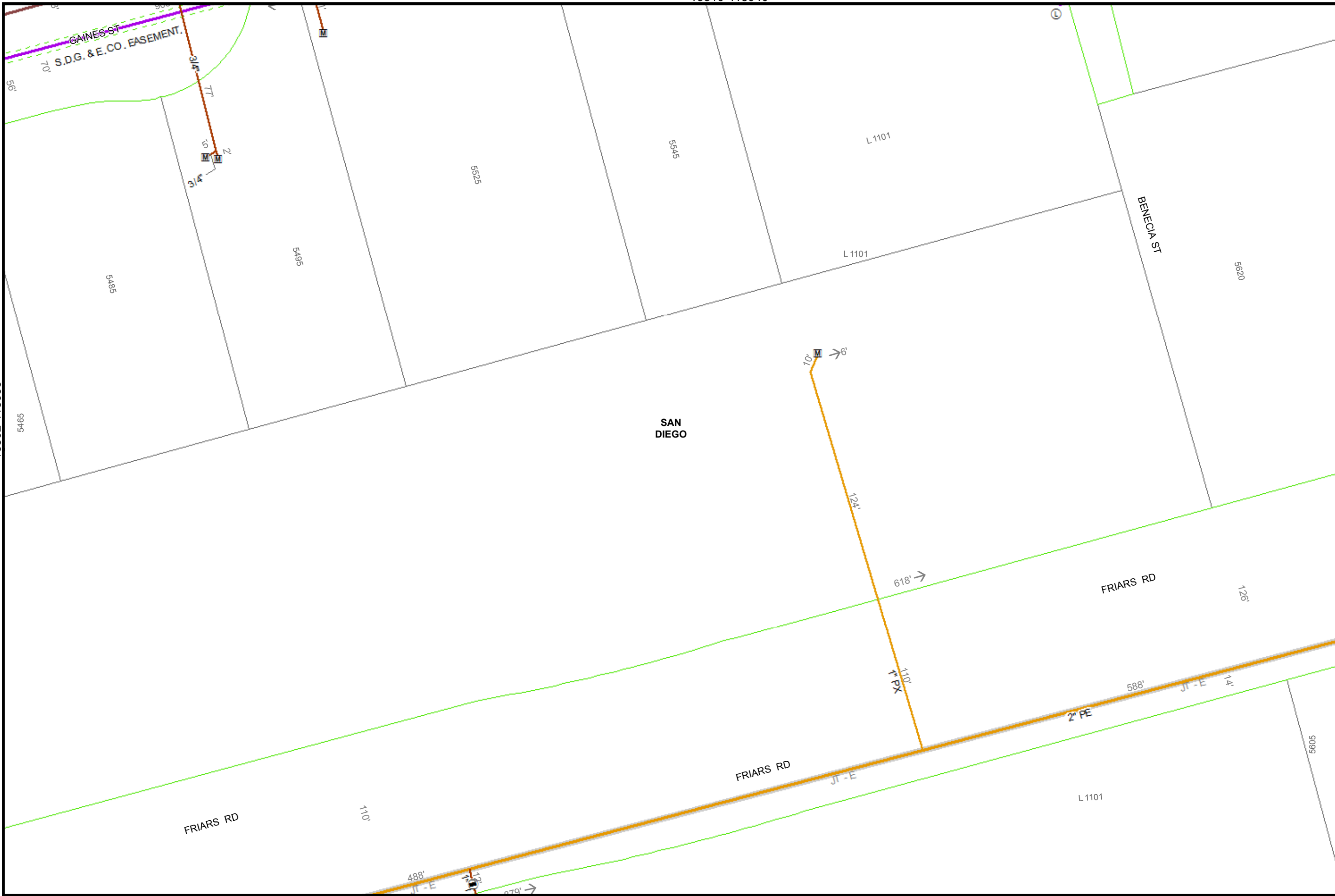
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Sempra Energy utility

15810-118940

15802-118935



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Feet

Map Number: 15810-118935

Map Type: Gas Asset Map

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15817-118935

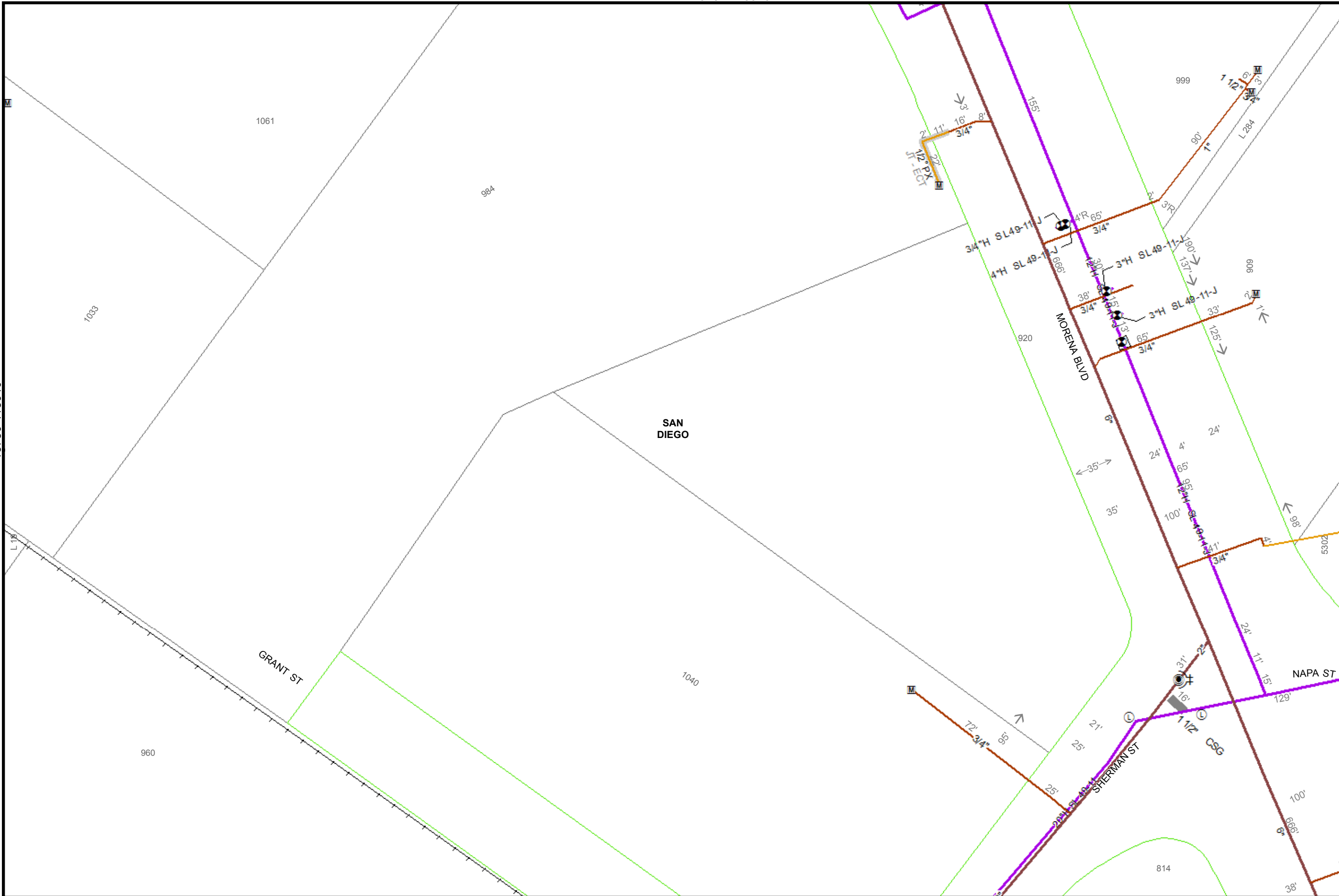
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Sempra Energy utility

15810-118930



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Feet

Map Number: 15787-118940

Map Type: Gas Asset Map

Printed By: ekaufma1

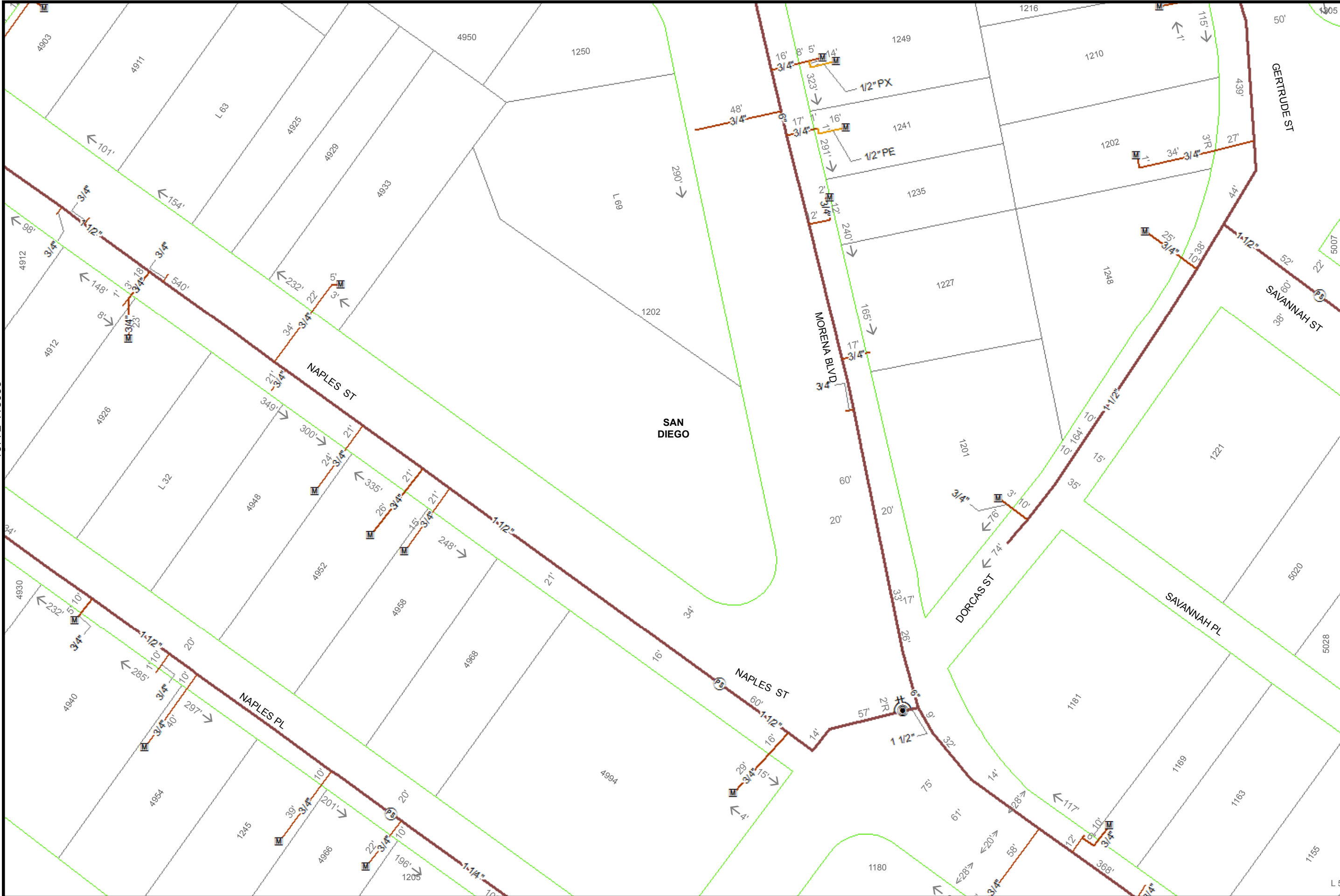
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15795-118940
118940

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Sempra Energy utility




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Feet

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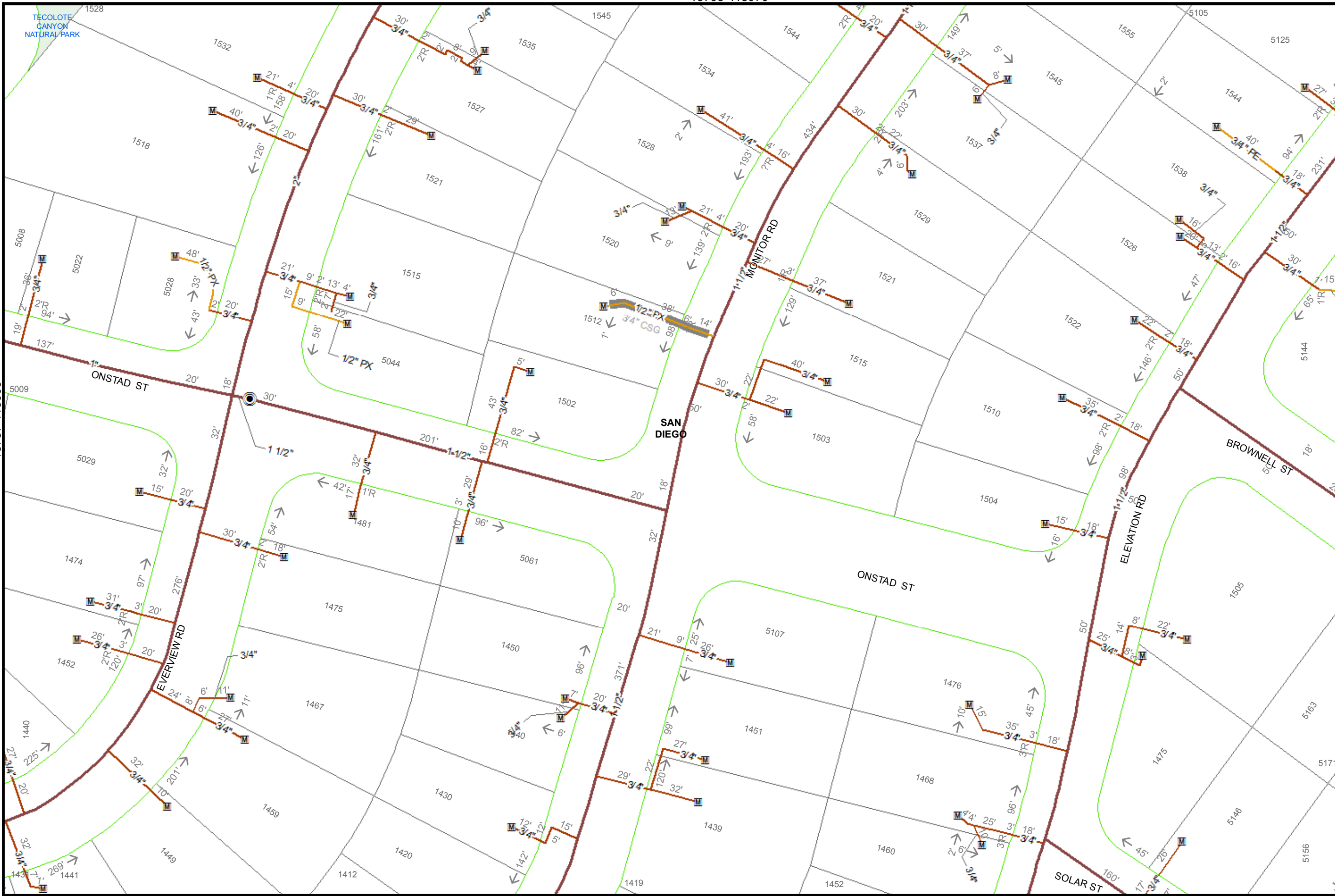



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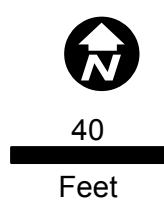
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TECOLOTE GANYON NATURAL PARK



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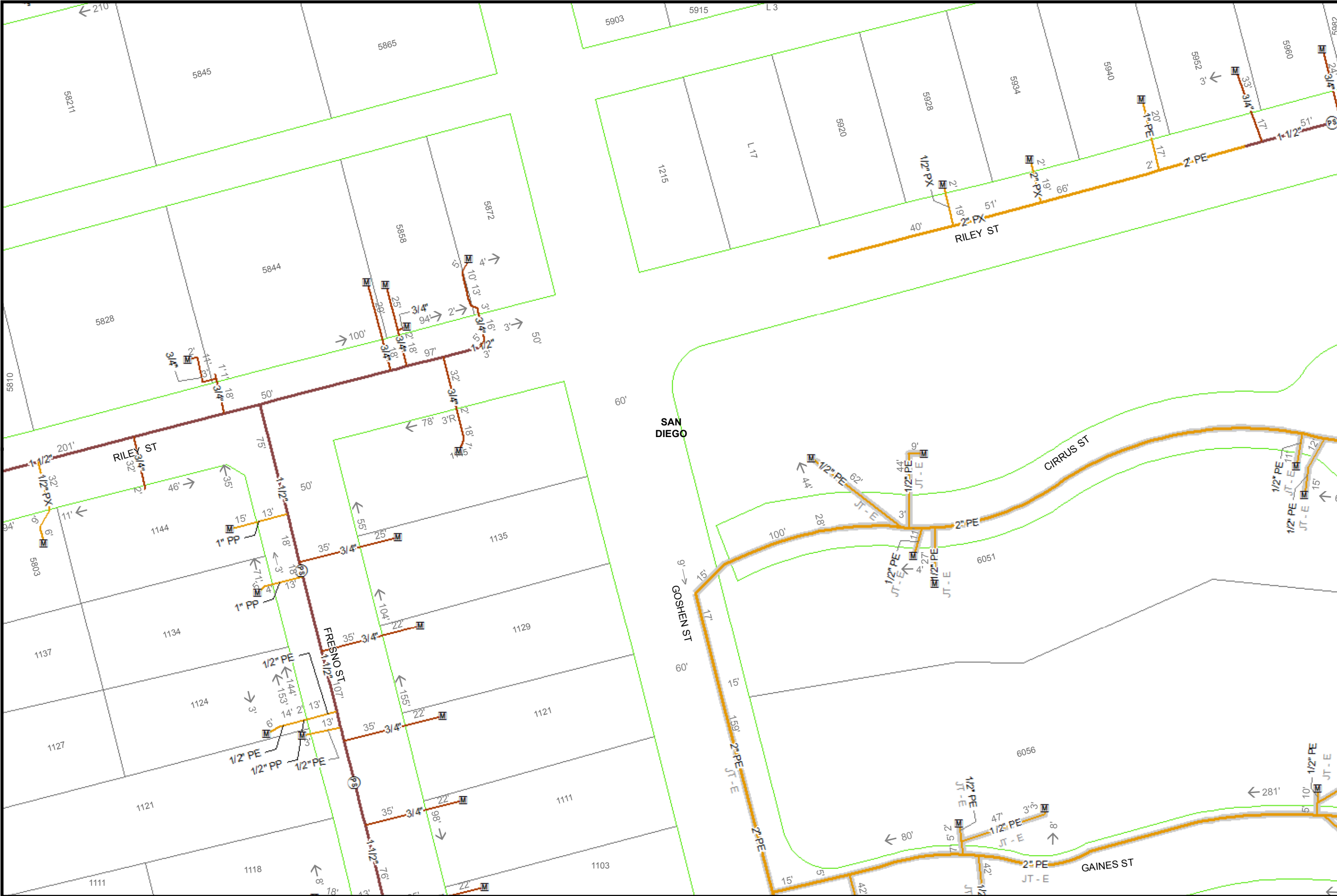
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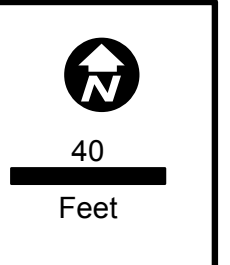
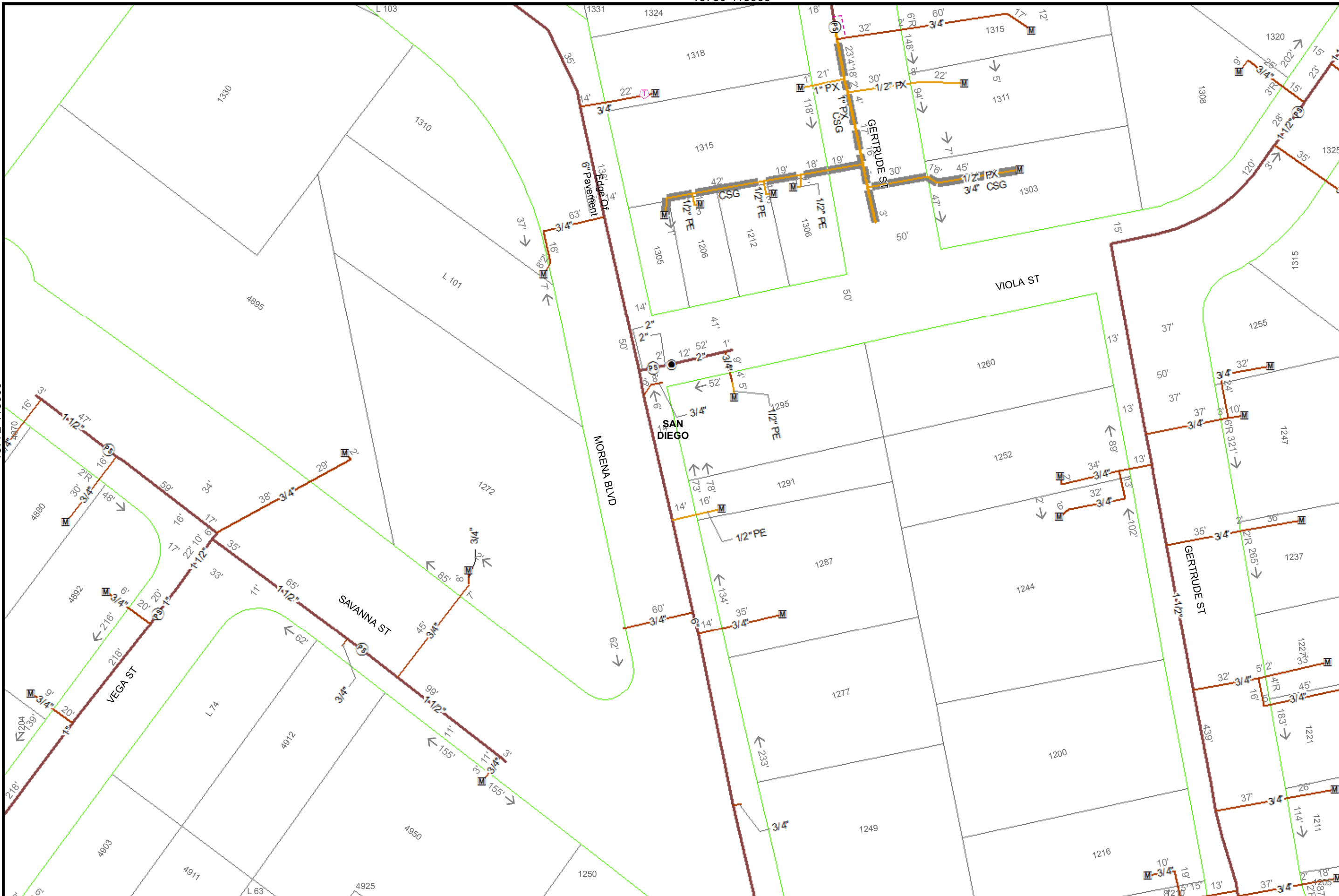
Map Type: Gas Asset Map

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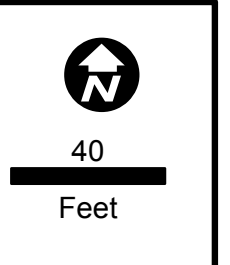
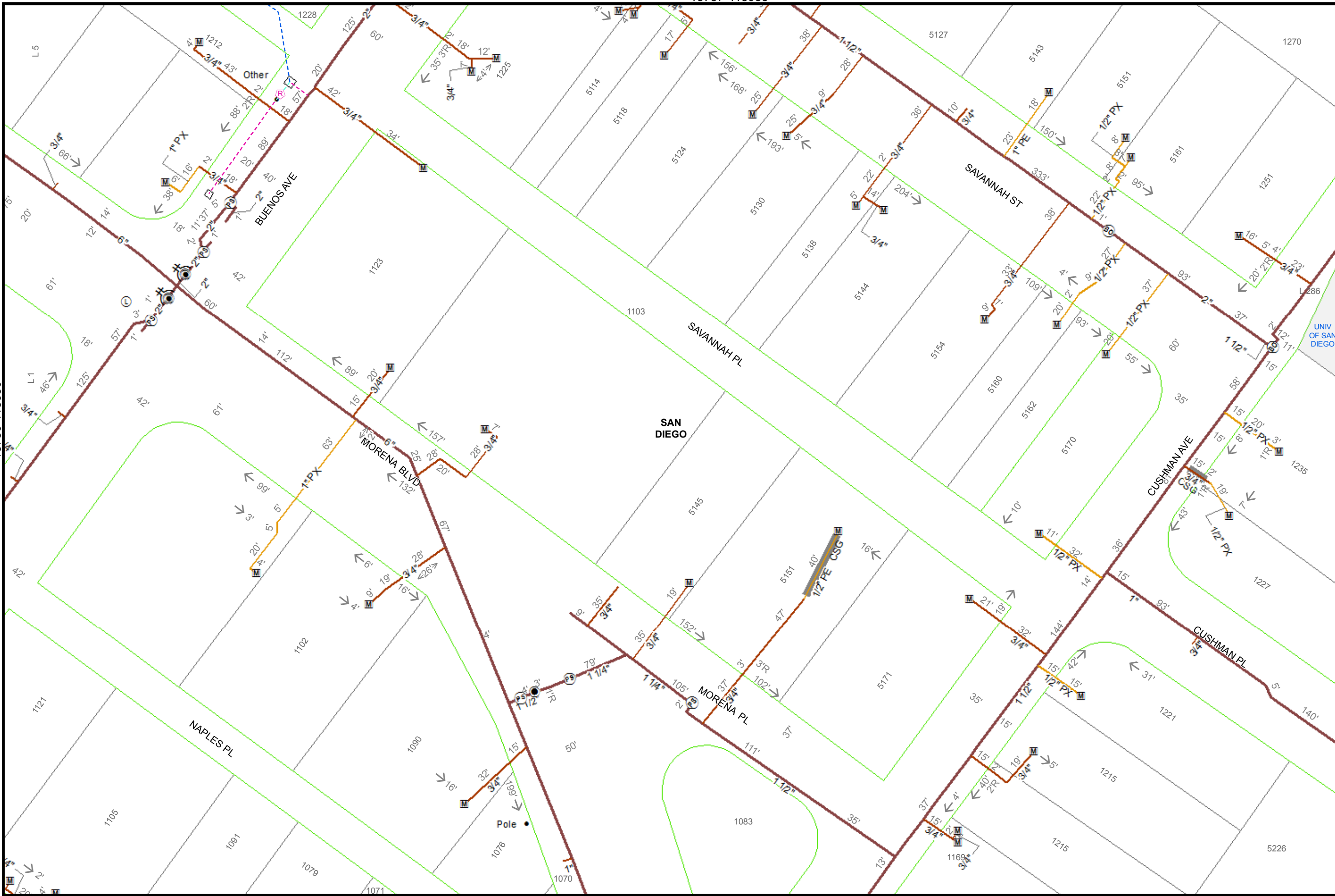




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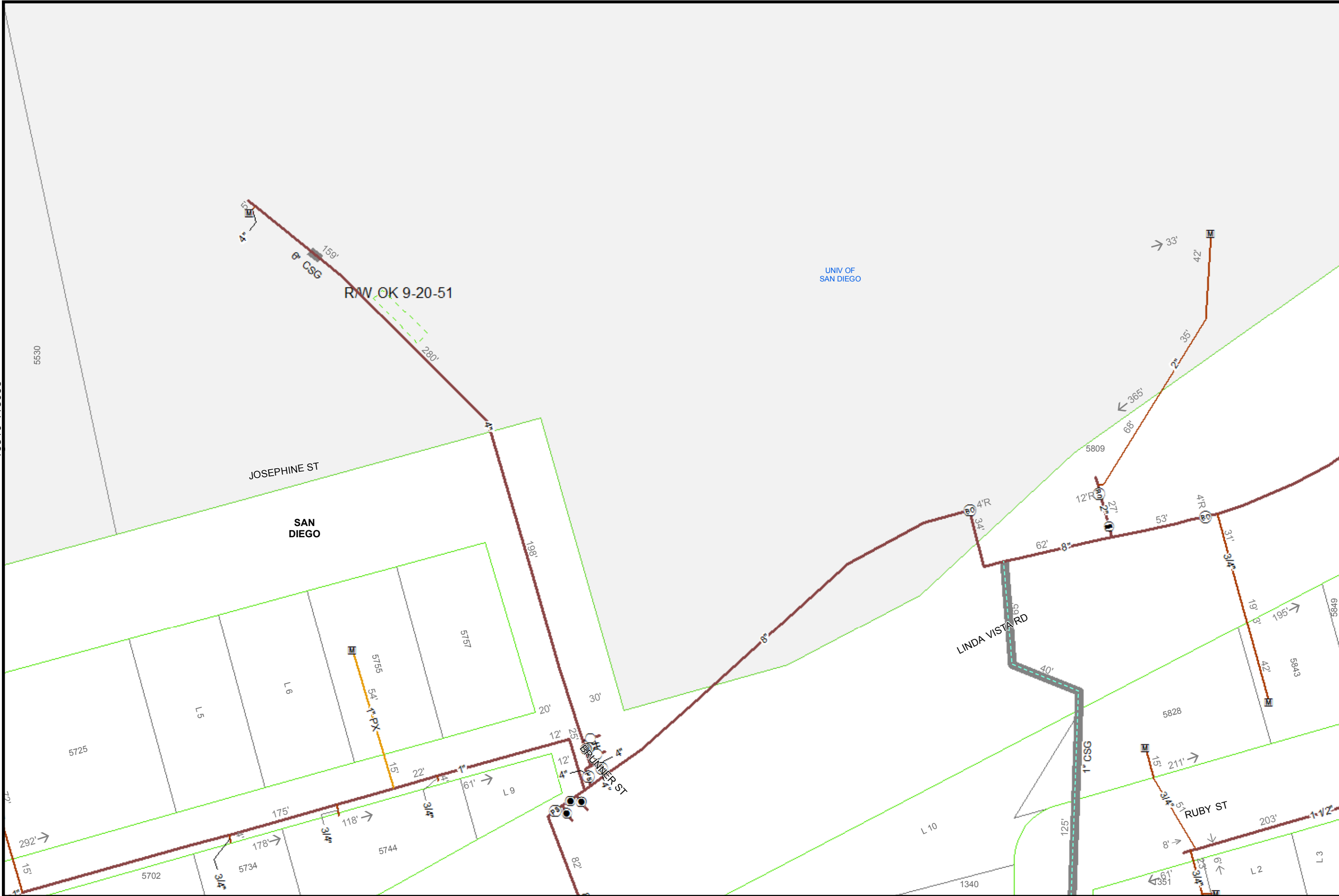



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15810-118955




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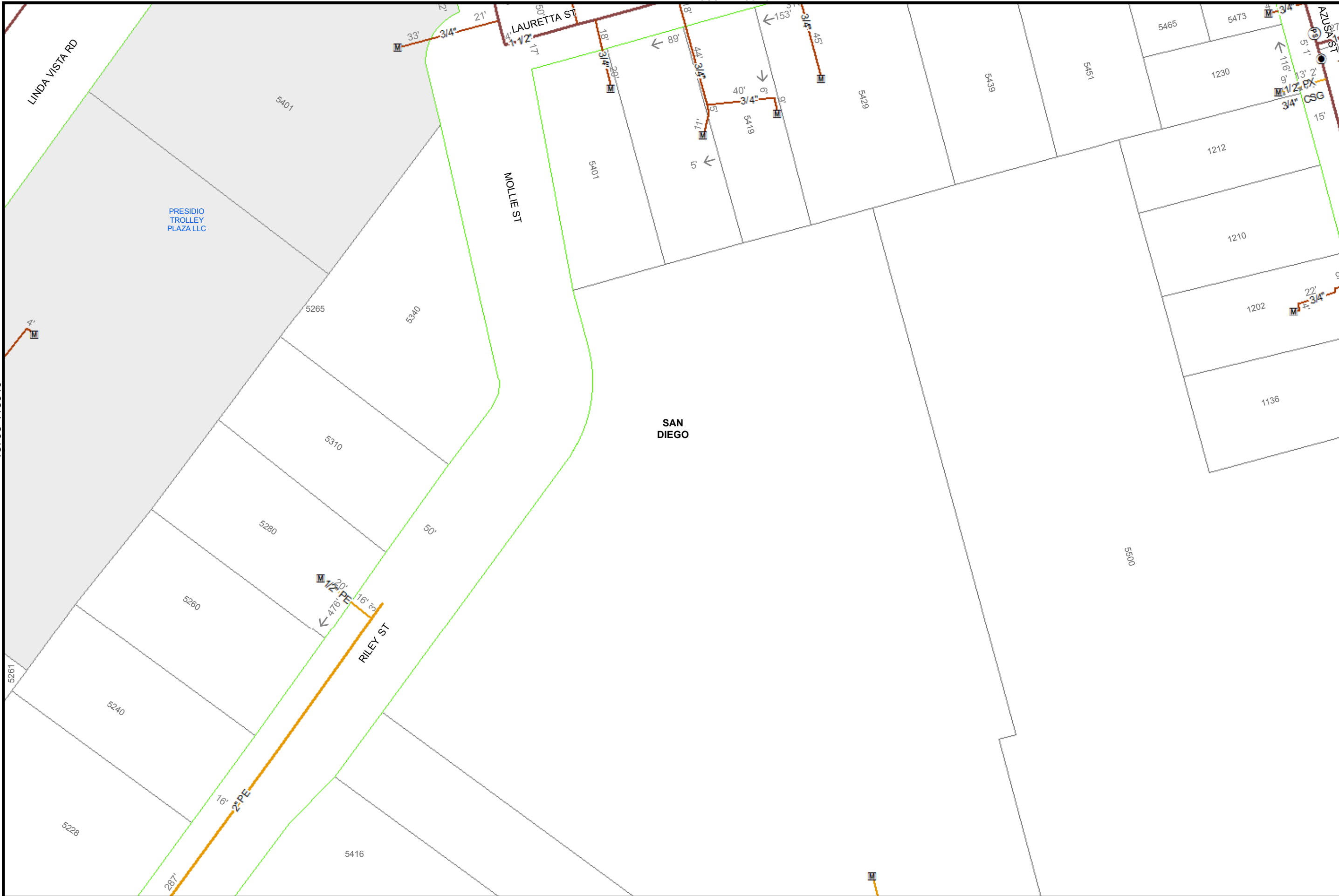

 Sempra Energy® utility

15825-118955
118955

15795-118940

15802-118945

15802-118935



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Map Number: 15802-118940

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 12/20/2017

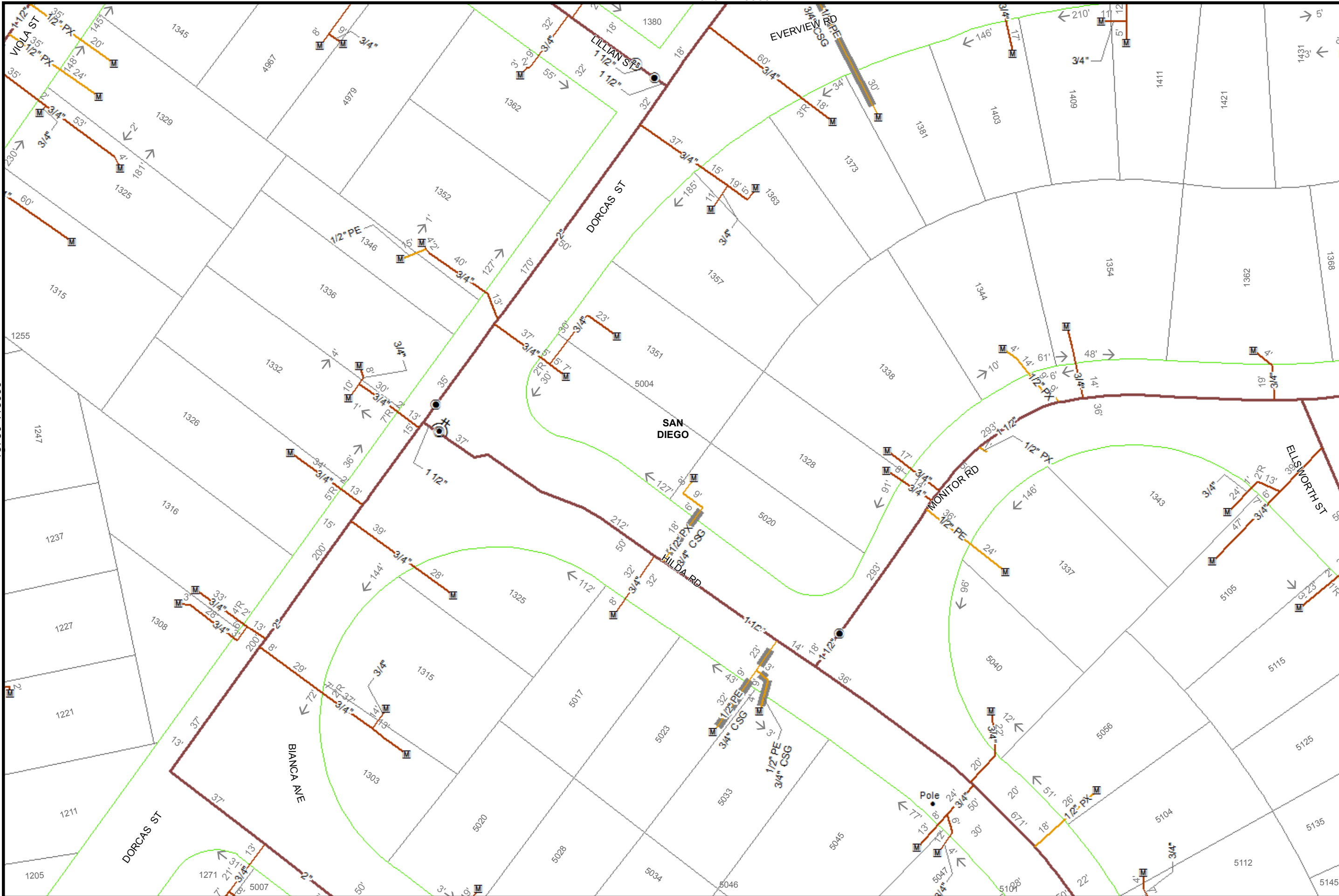
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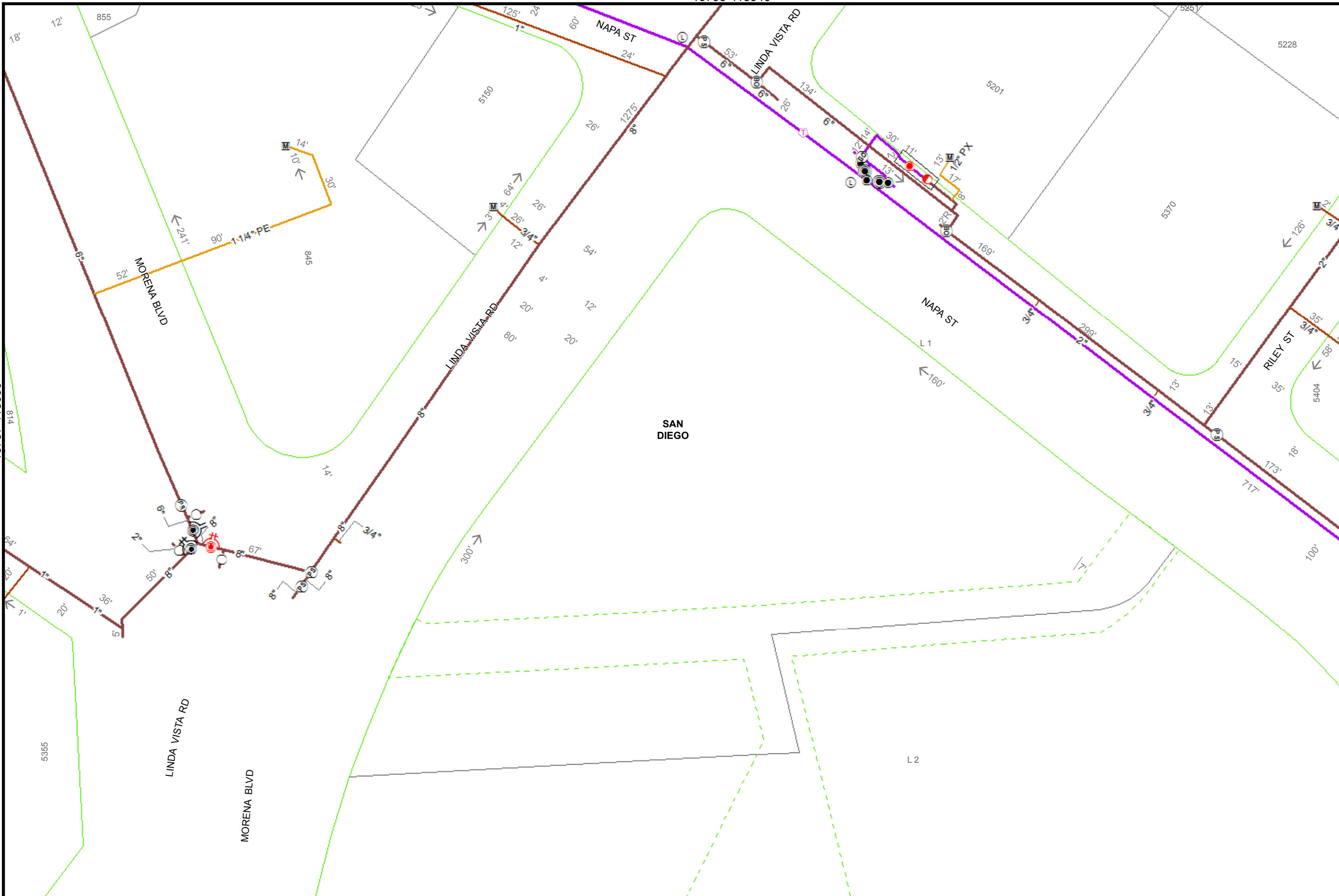
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15787-118935

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15795-118930



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Map Type: Gas Asset Map

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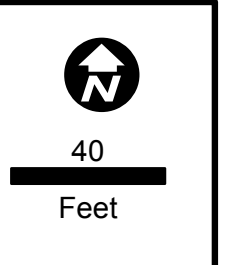
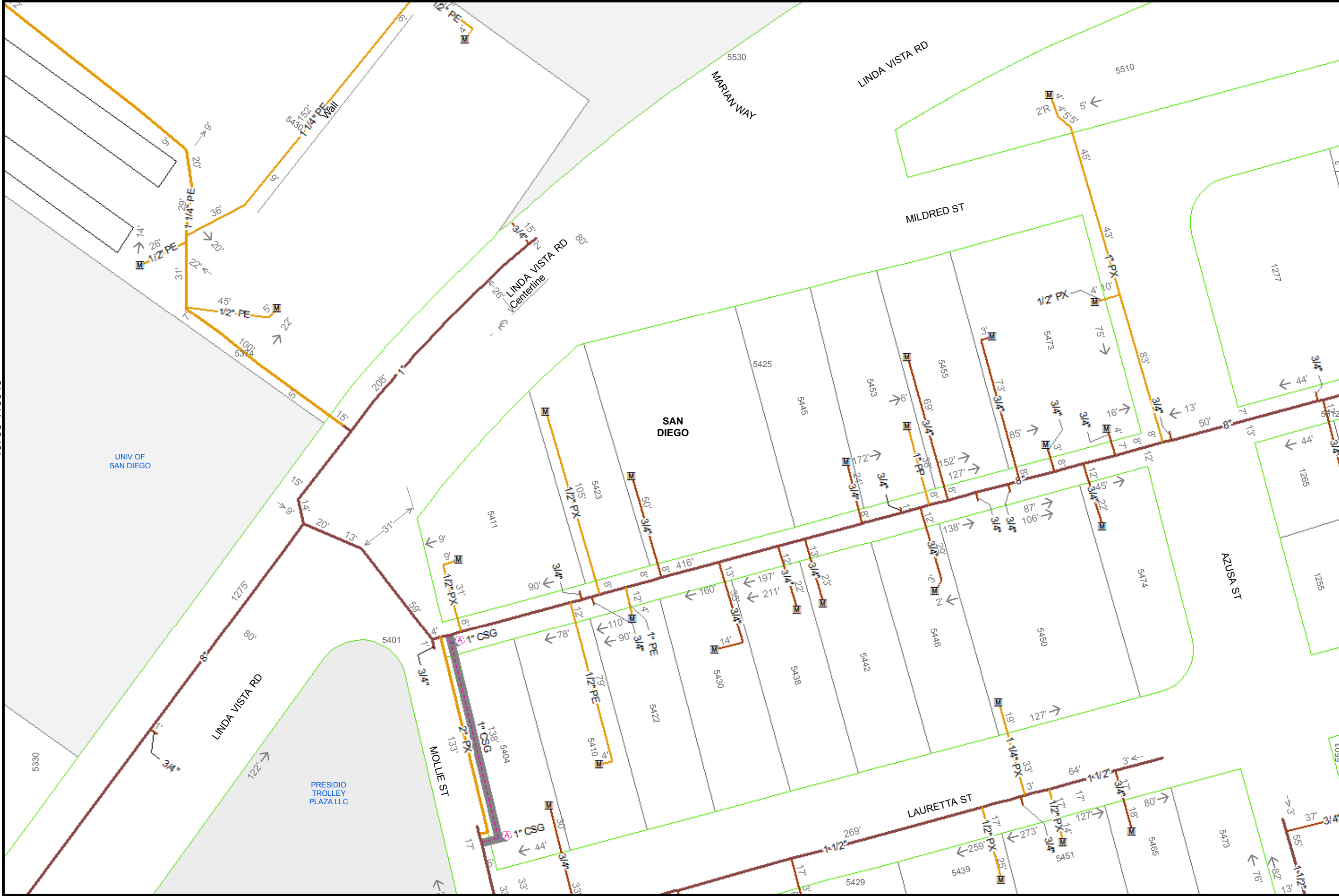
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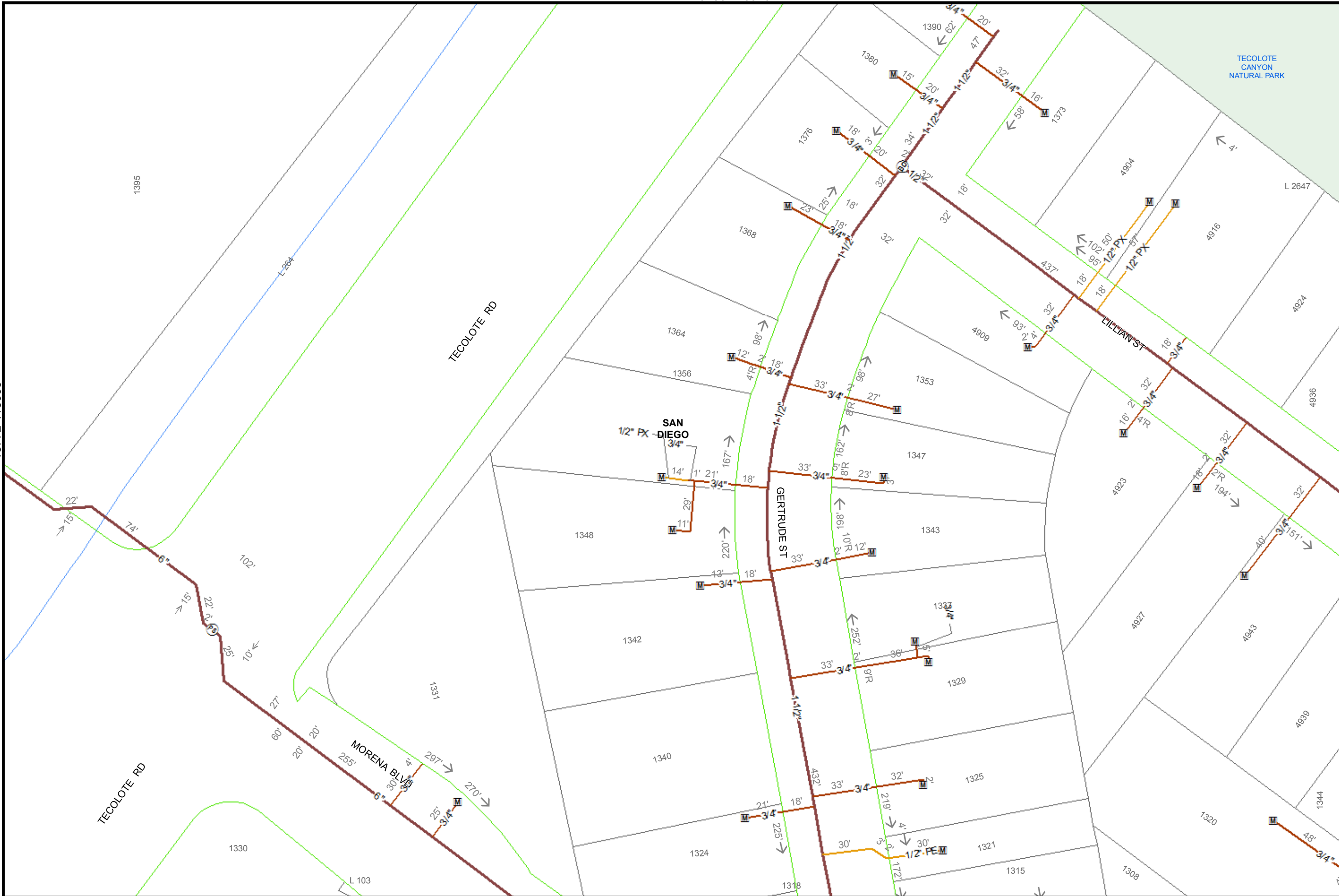
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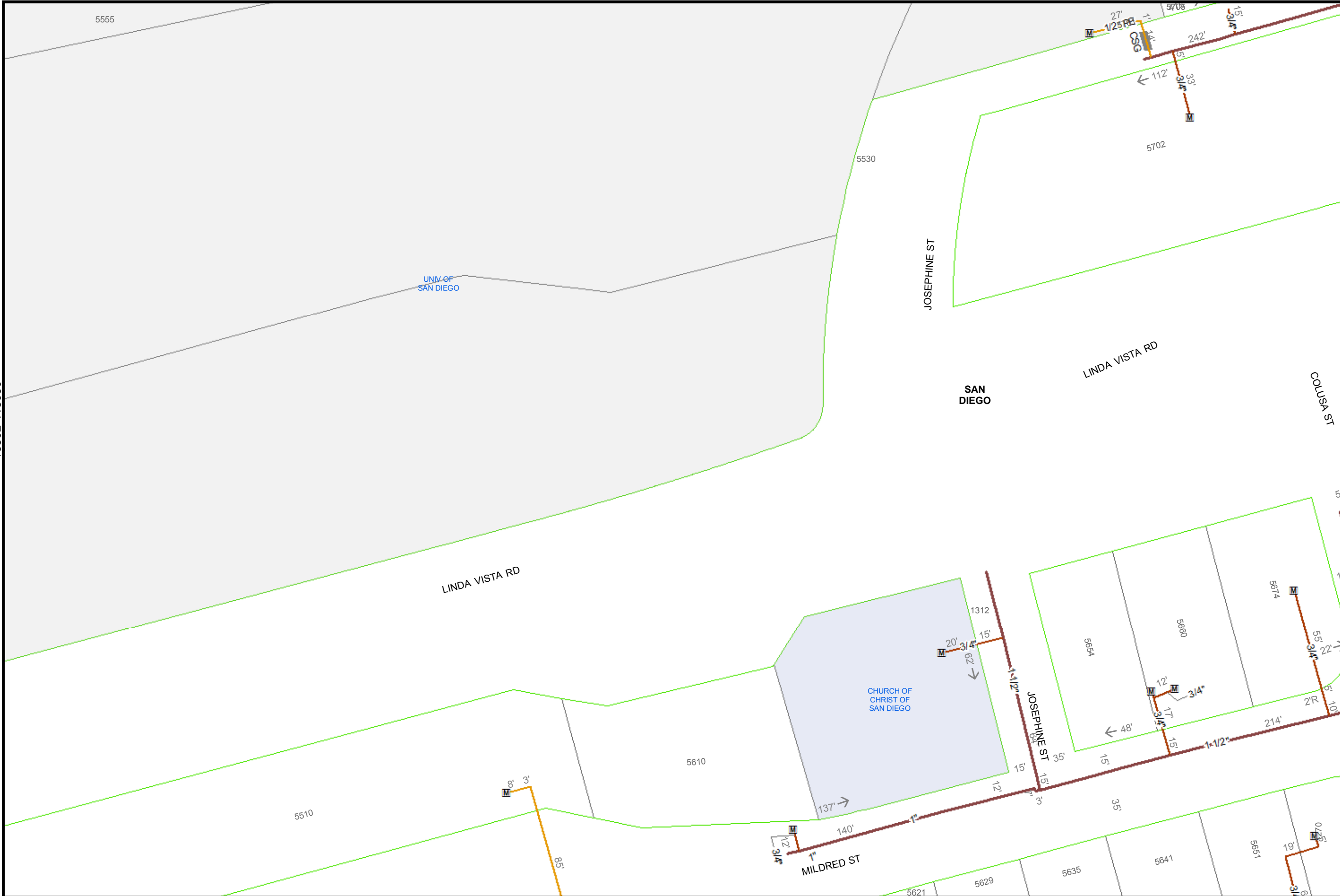
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15787-118965
118965





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15817-118950

118950

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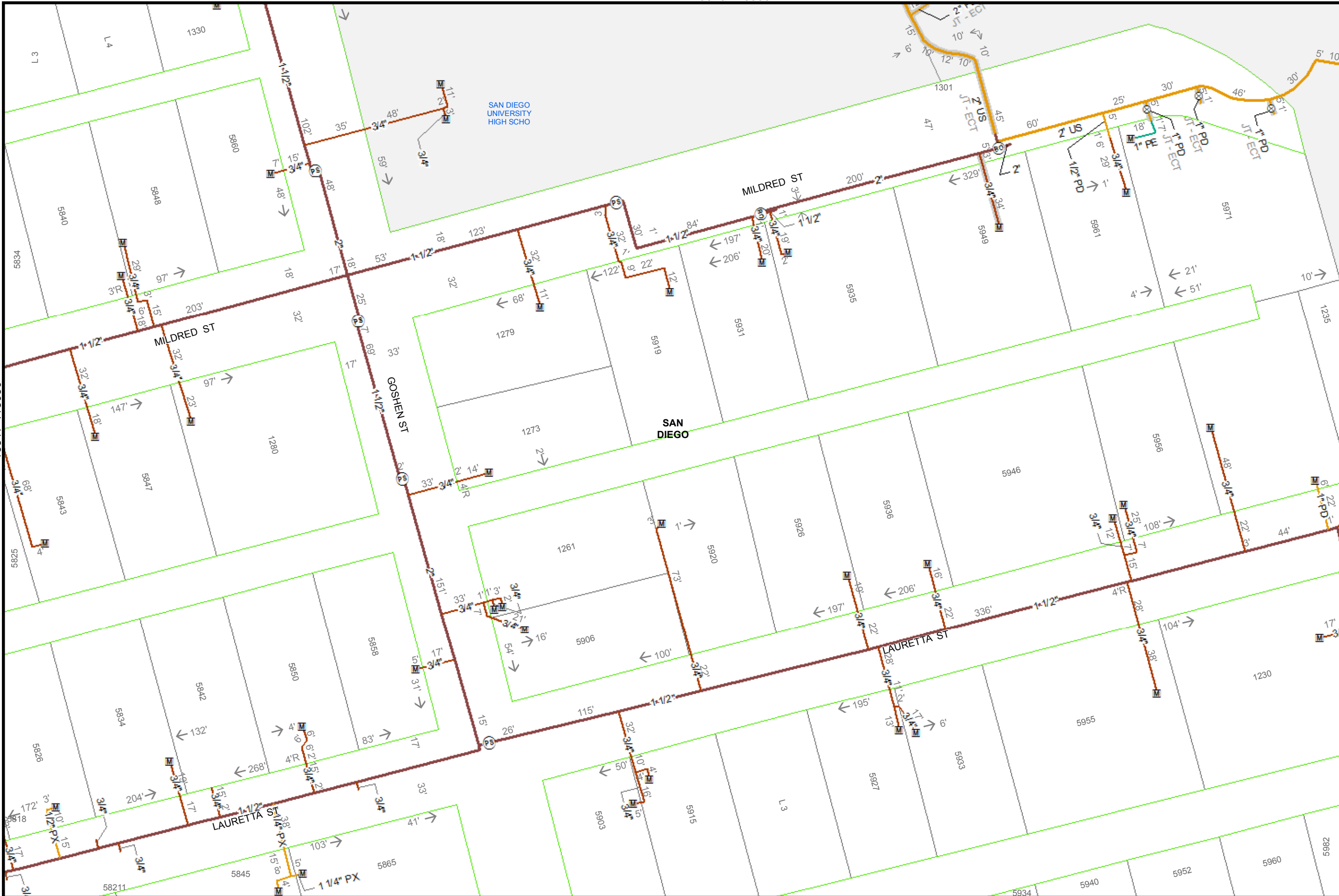
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Feet

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15832-118950

118950

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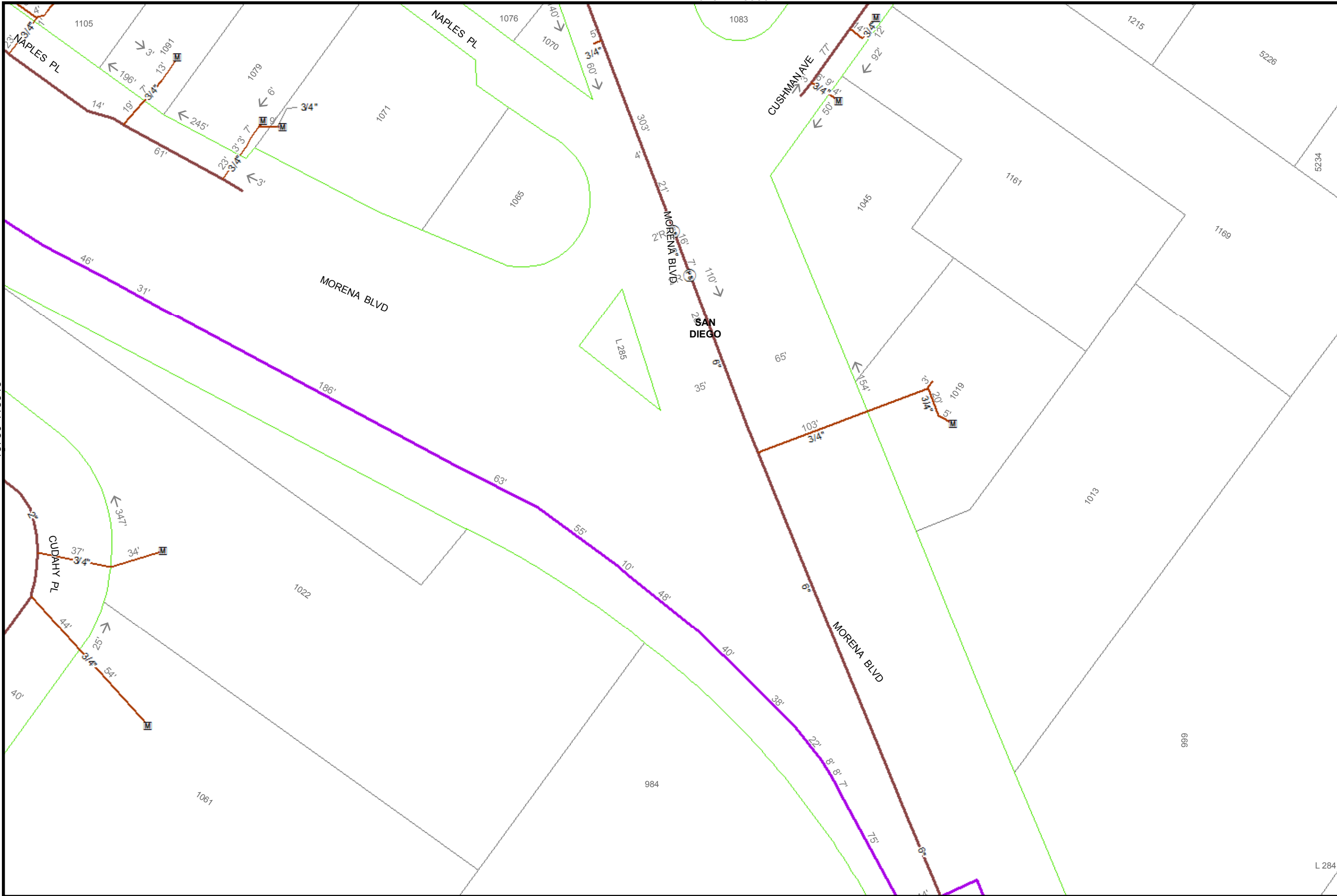



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15780-118945

15787-118950

15787-118940




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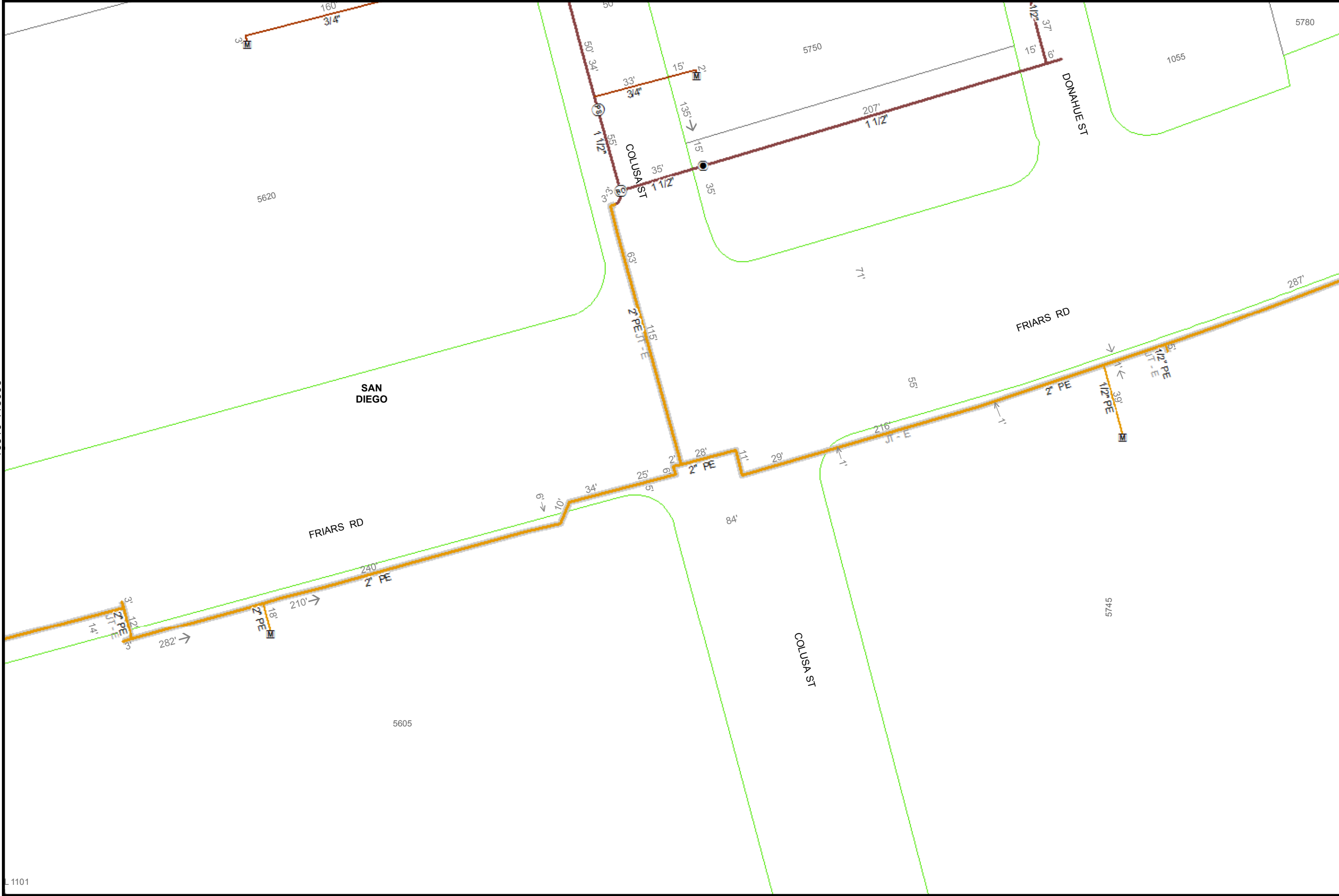


15795-118945
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15810-118935

15817-118940

15817-118930



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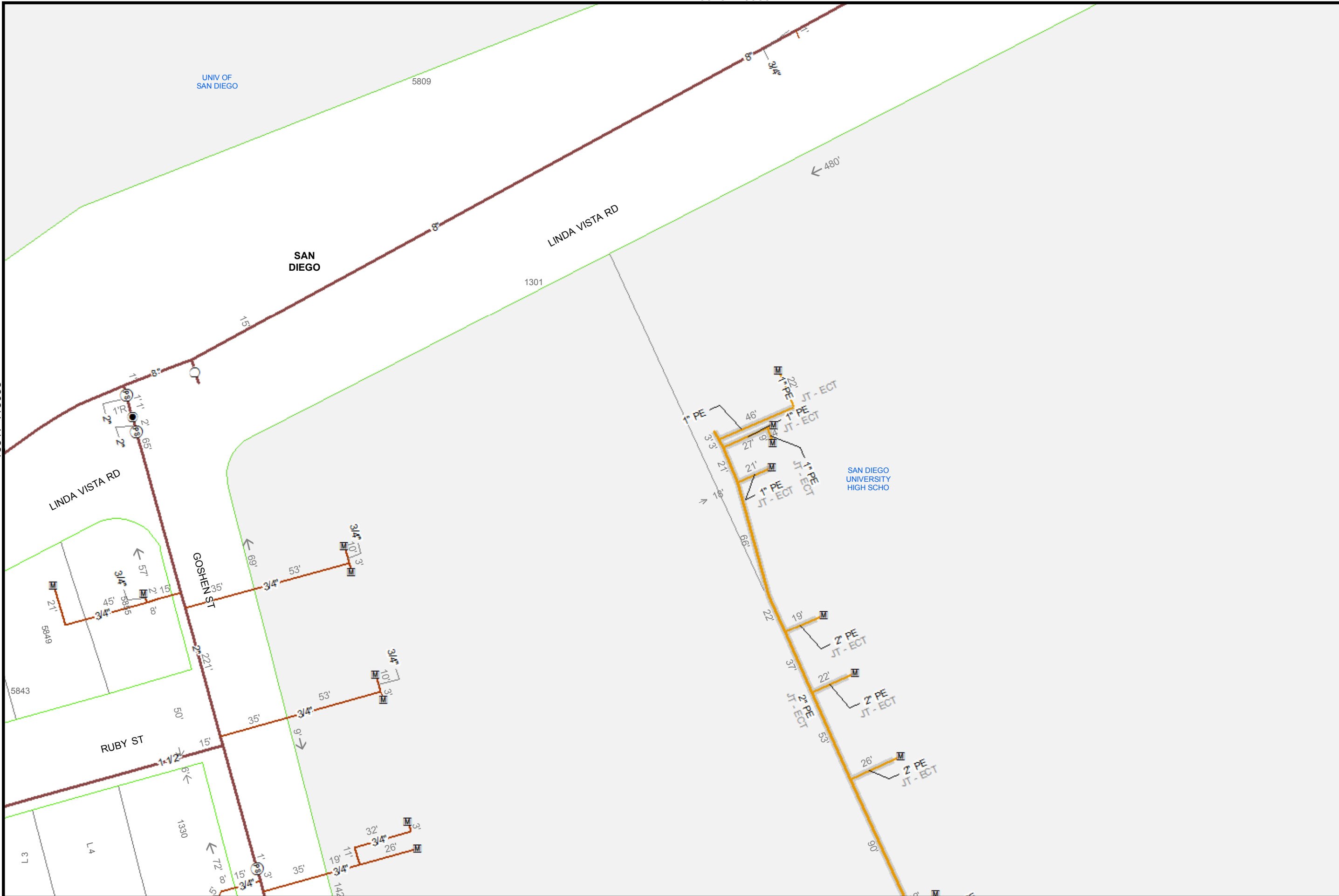
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15825-118935
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Feet

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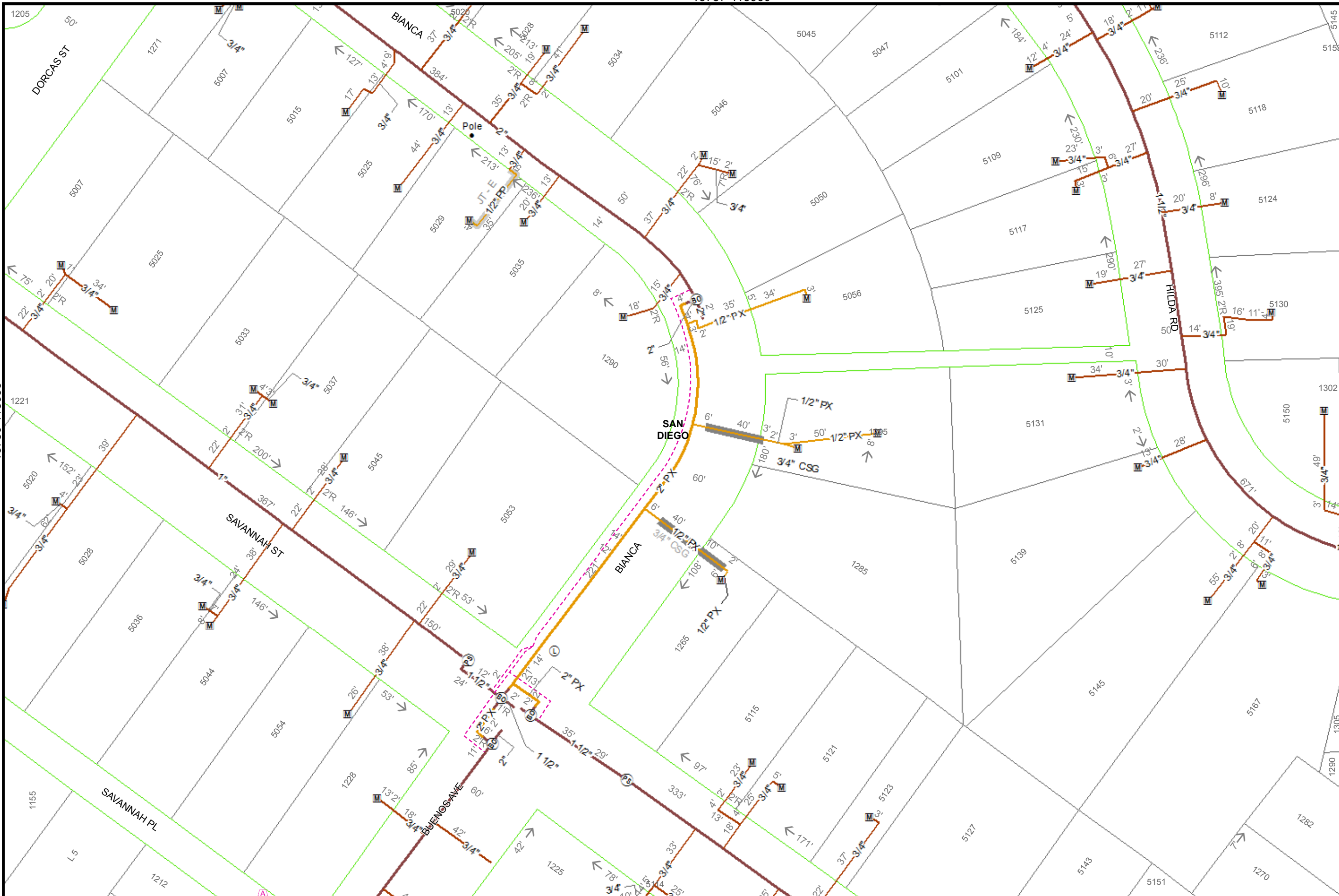
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15832-118955
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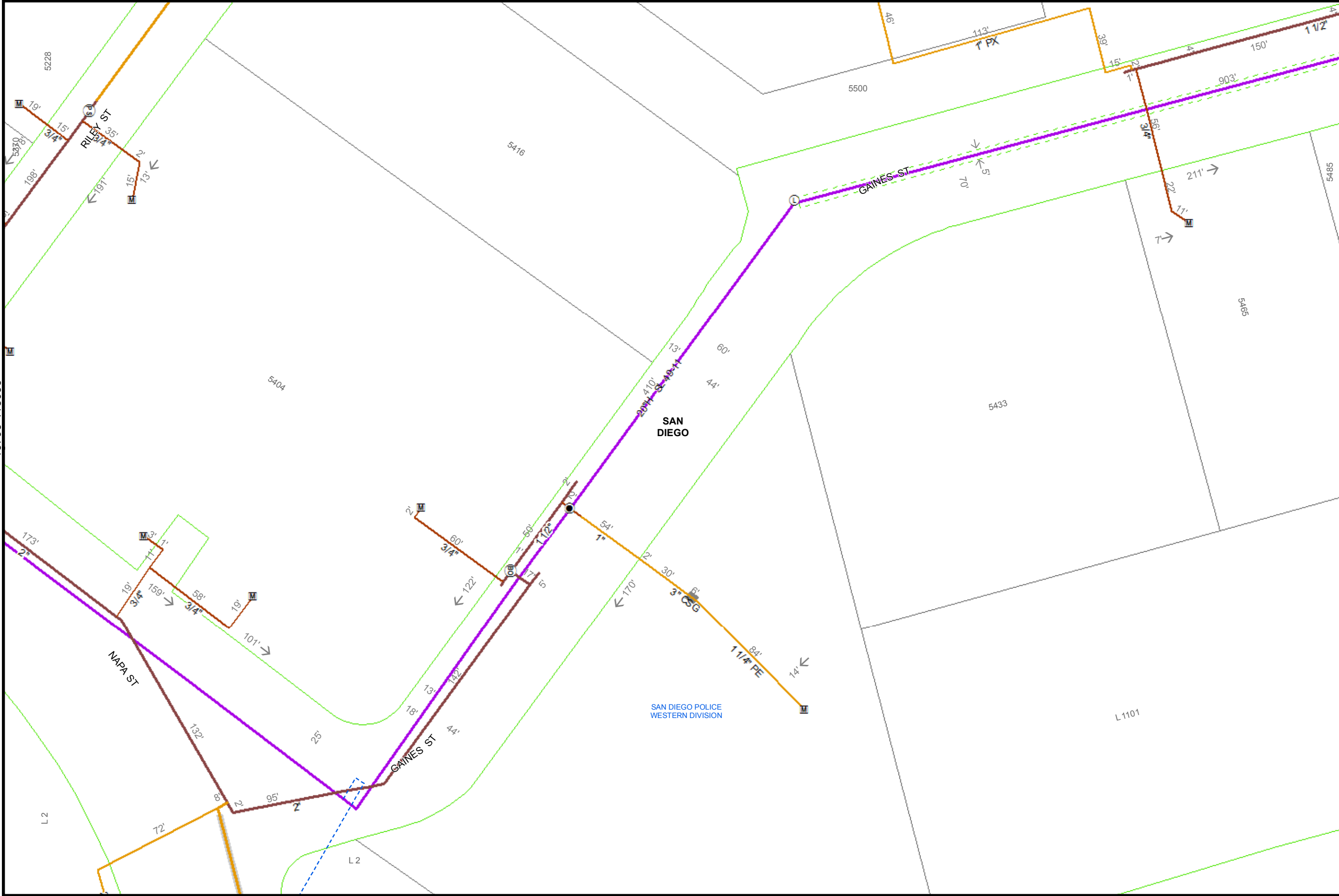



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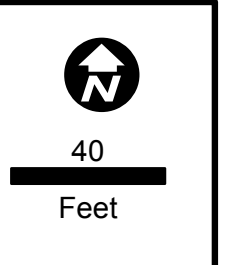
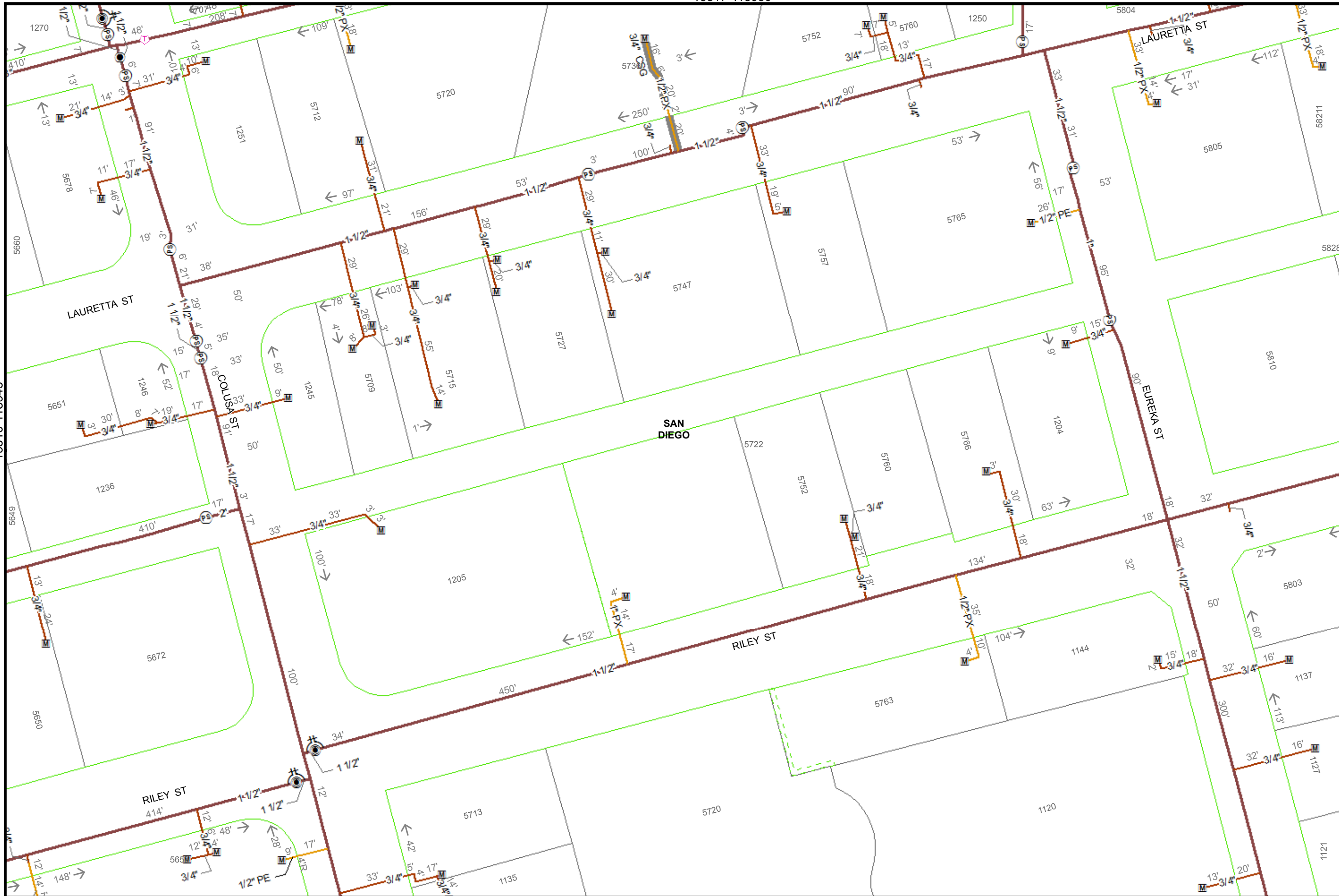



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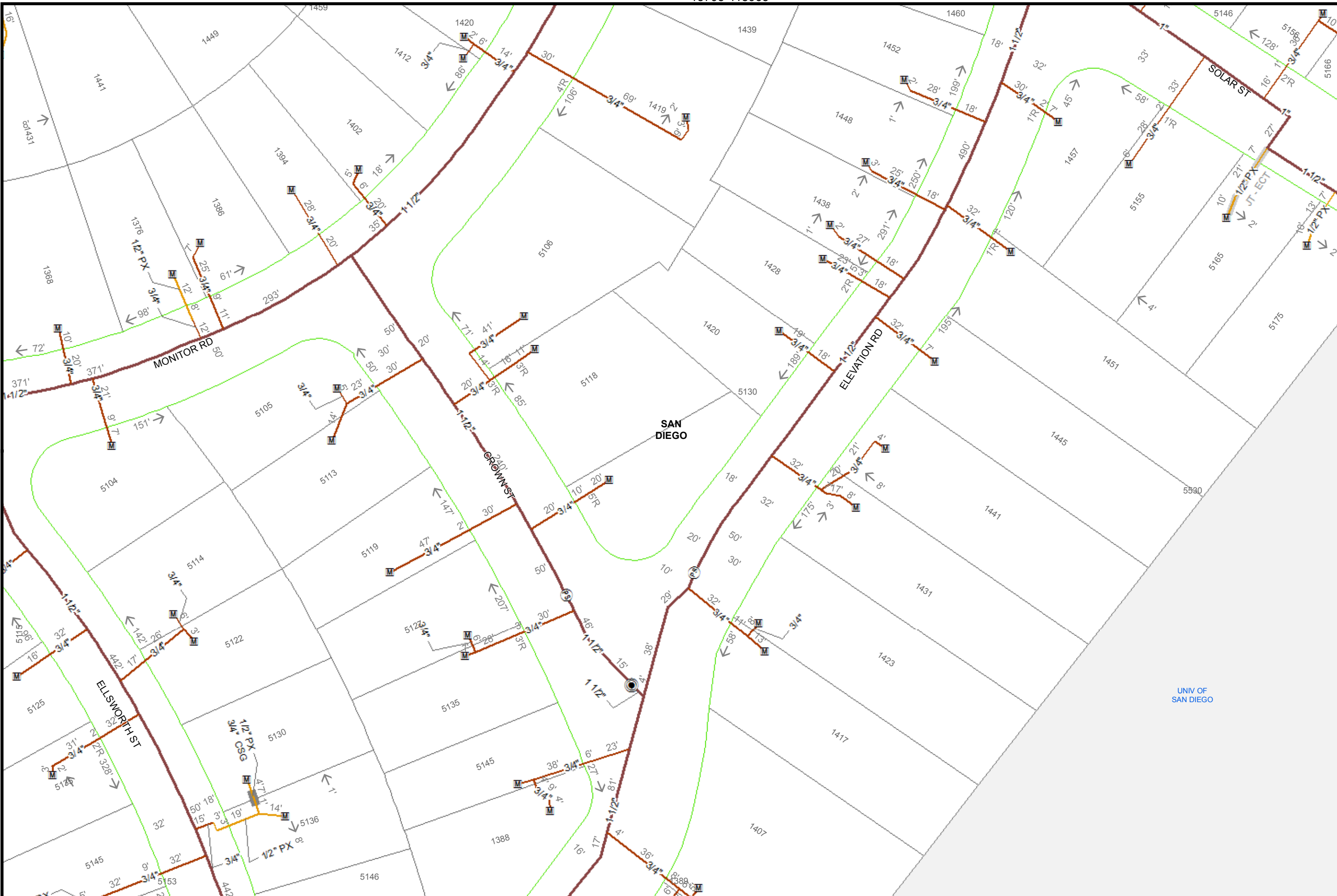




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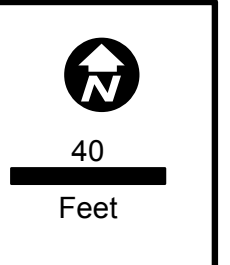
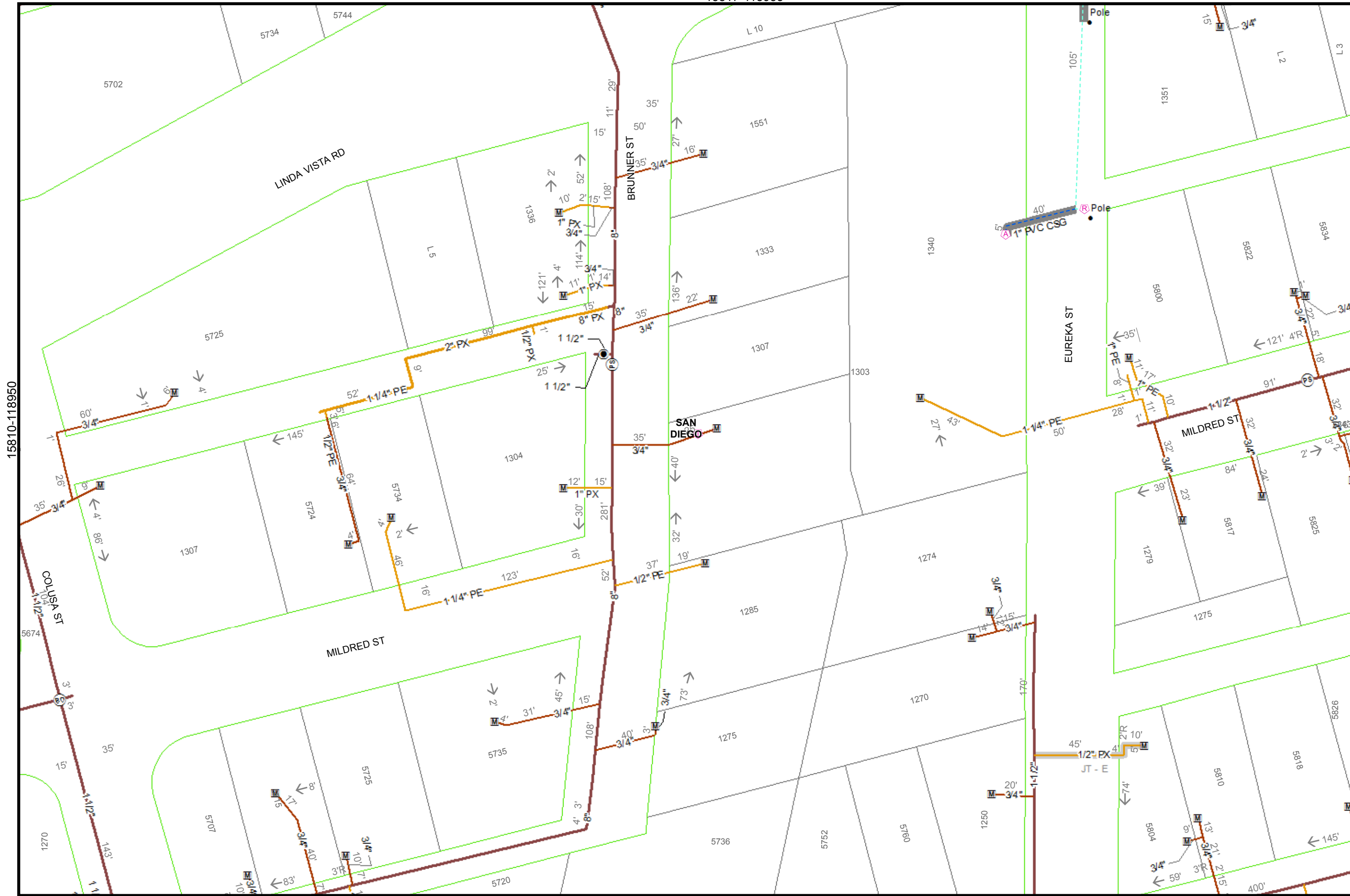
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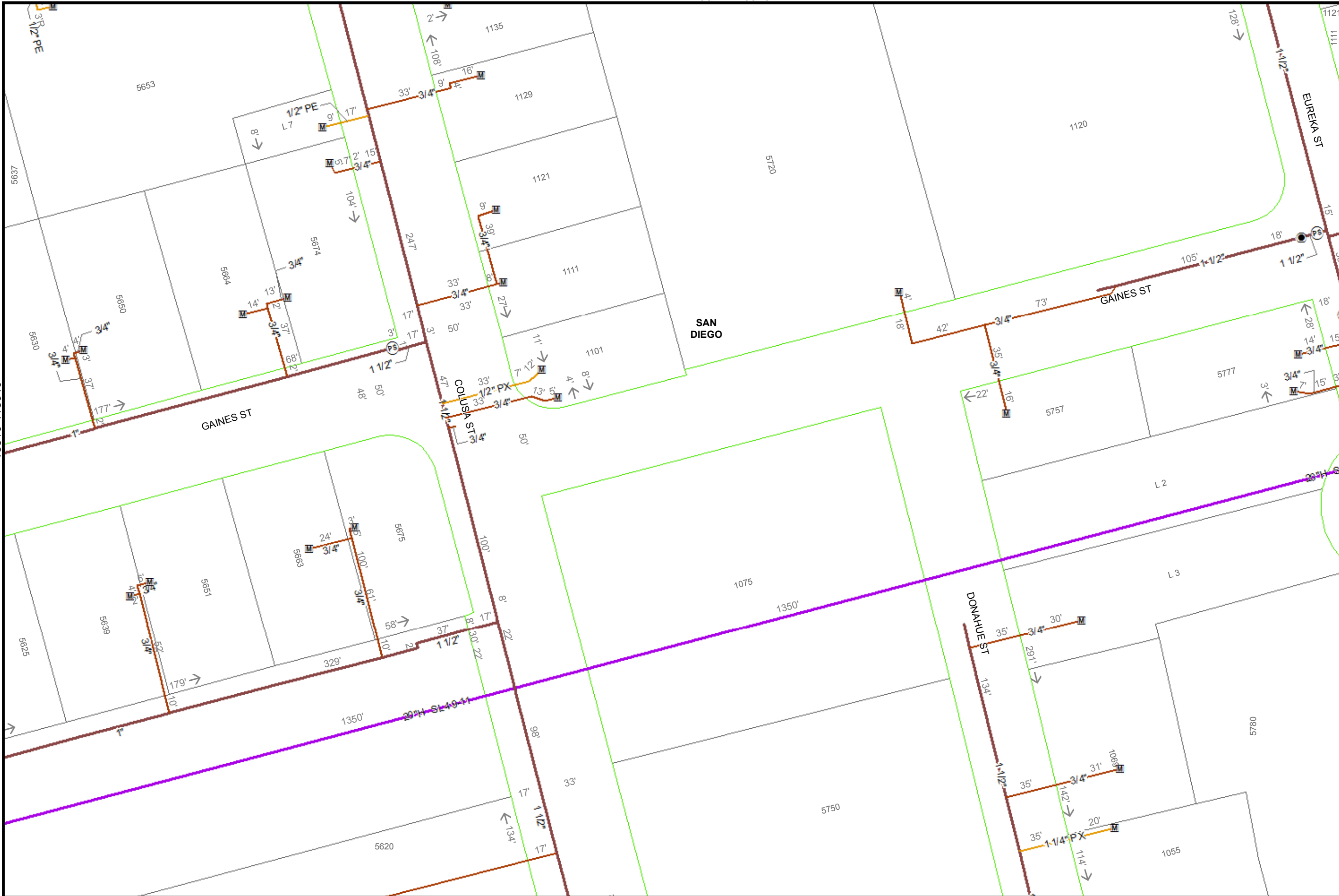
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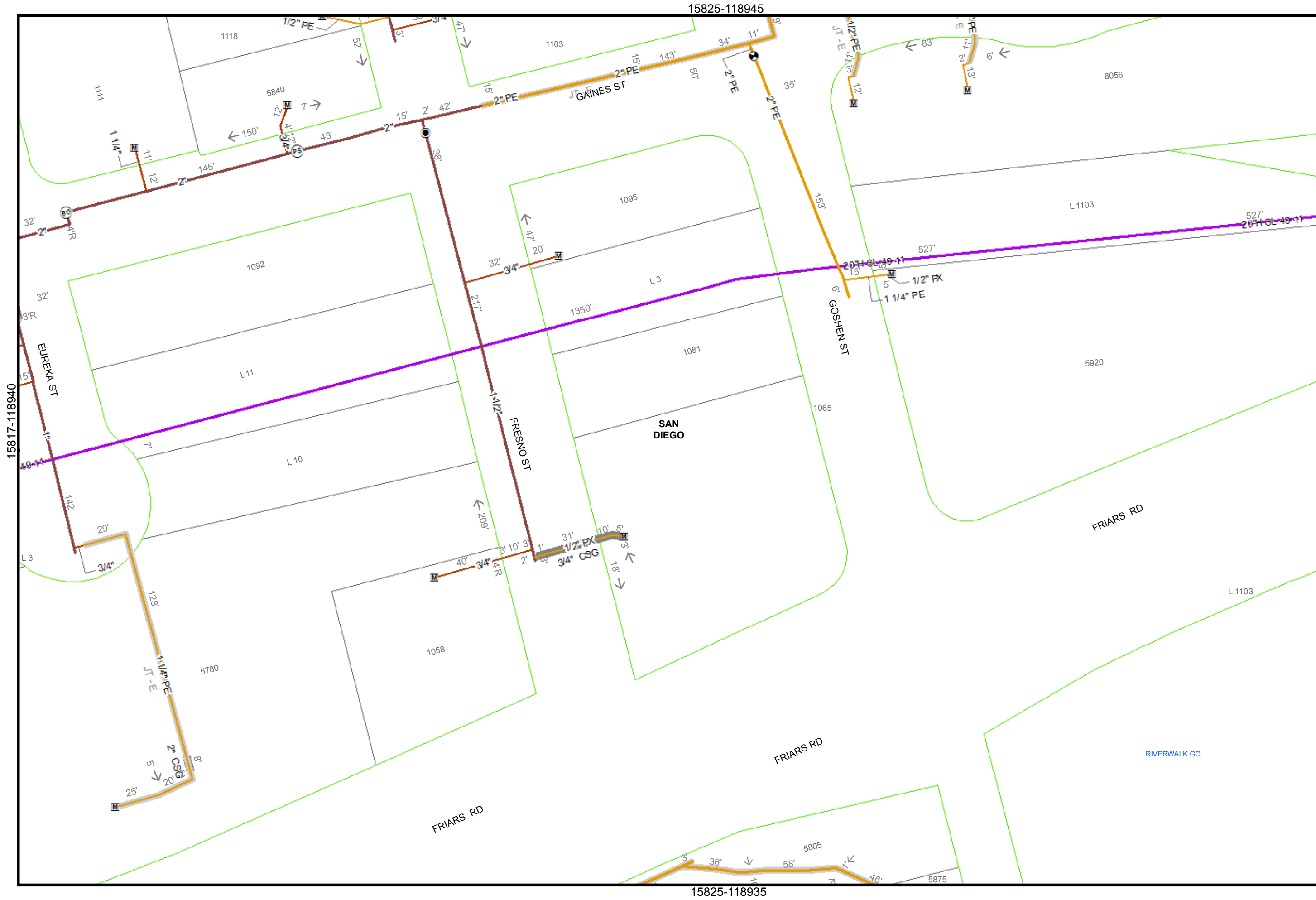
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15825-118940
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15825-118945

15817-118940

15825-118935

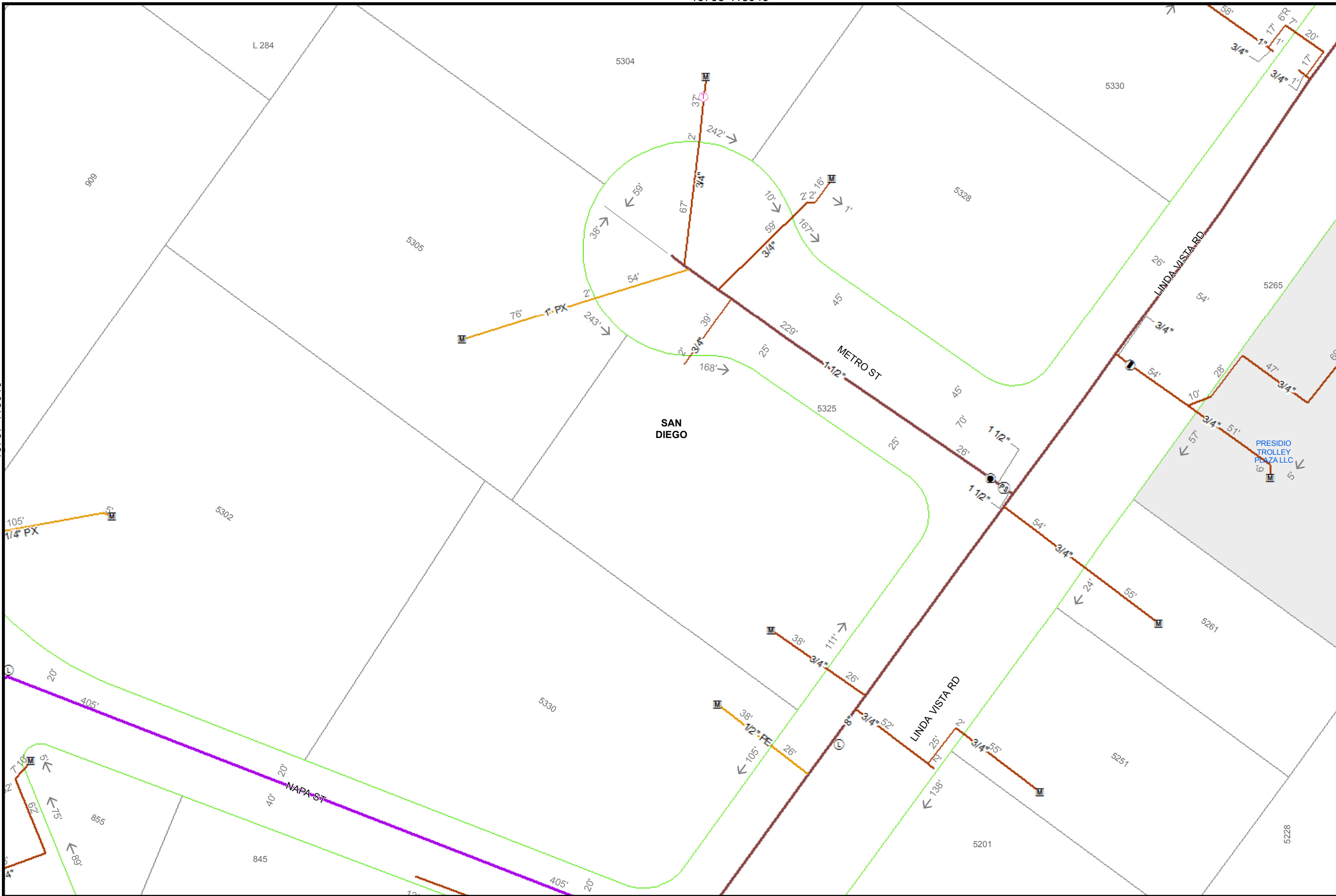


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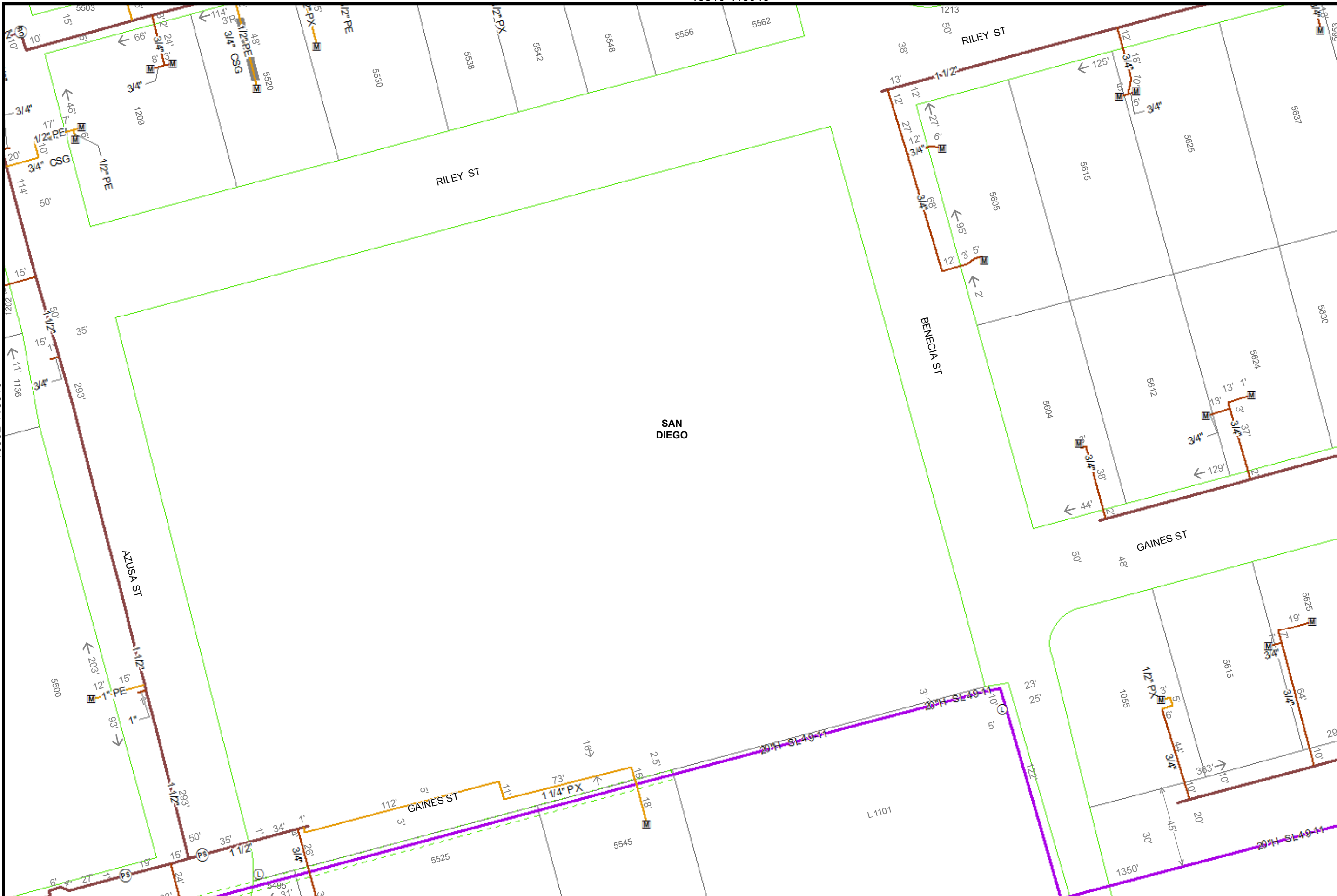
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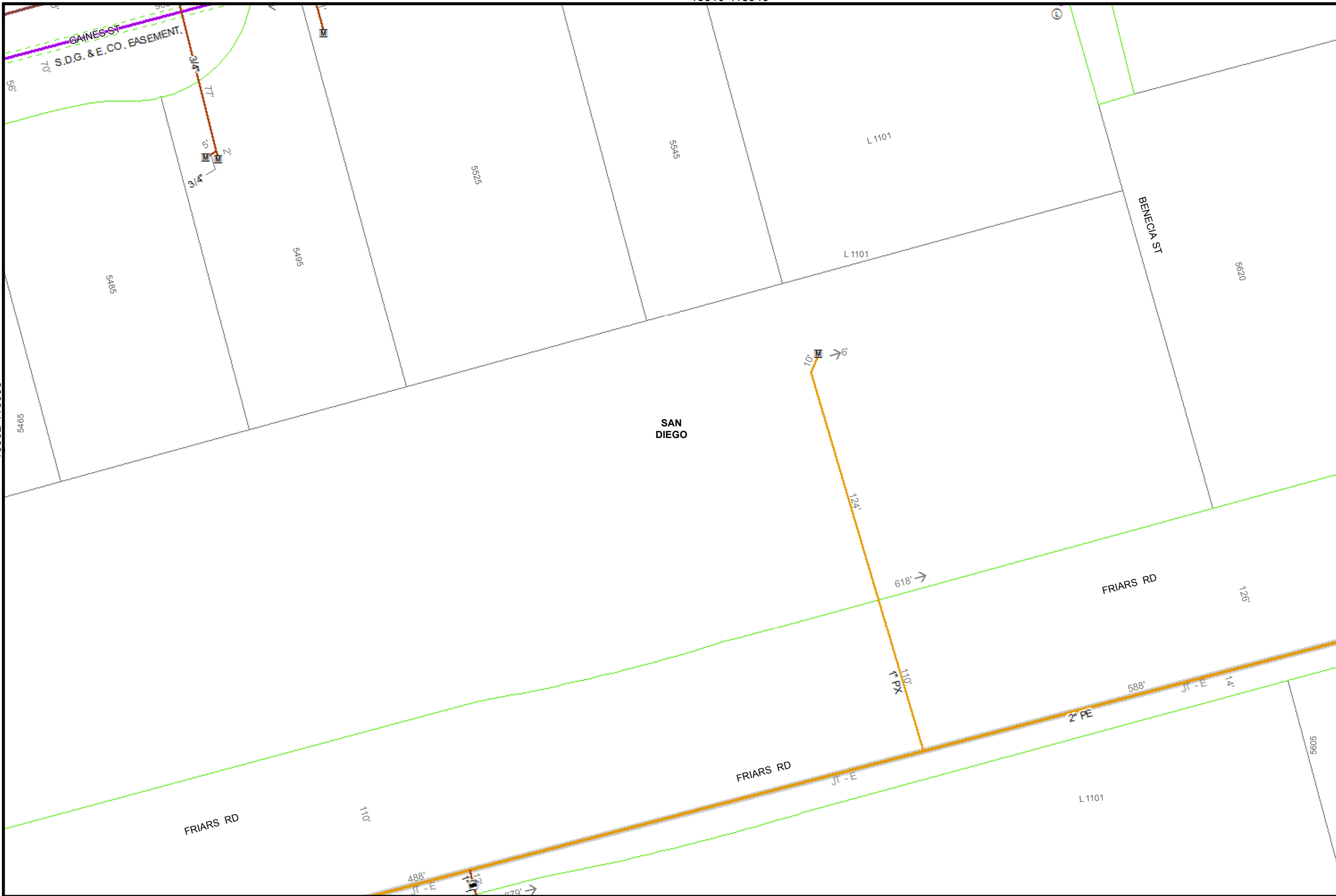





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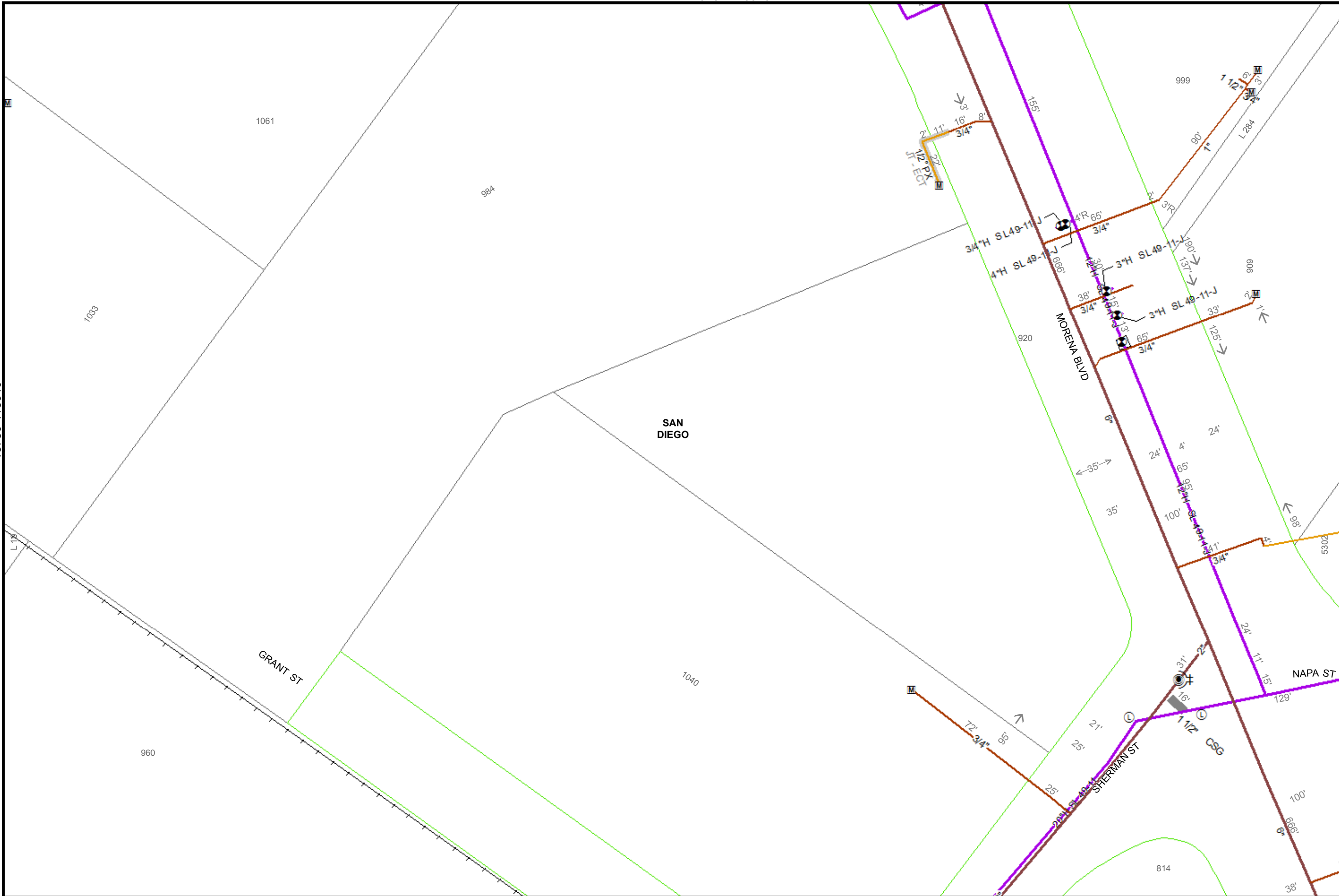



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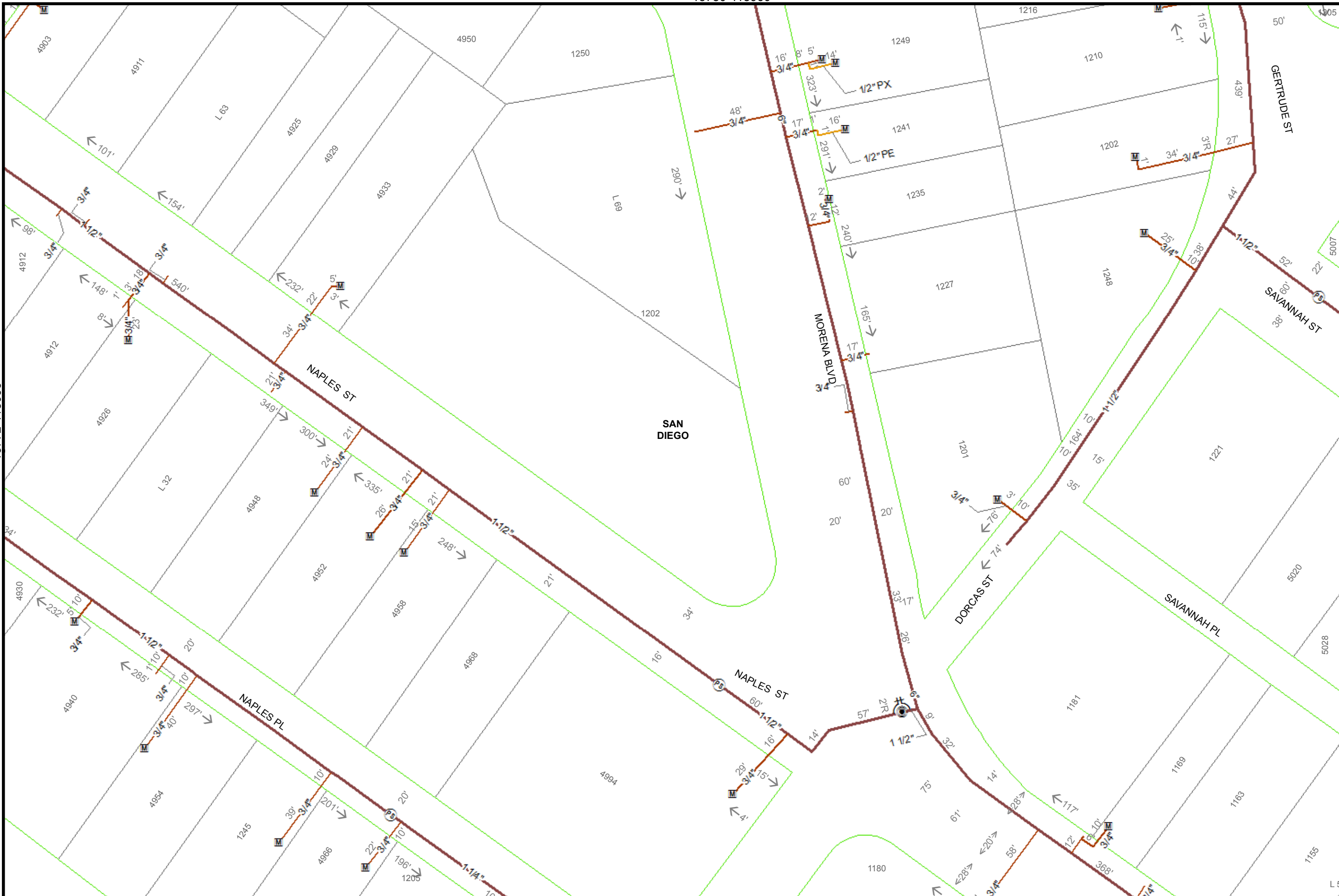
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Feet

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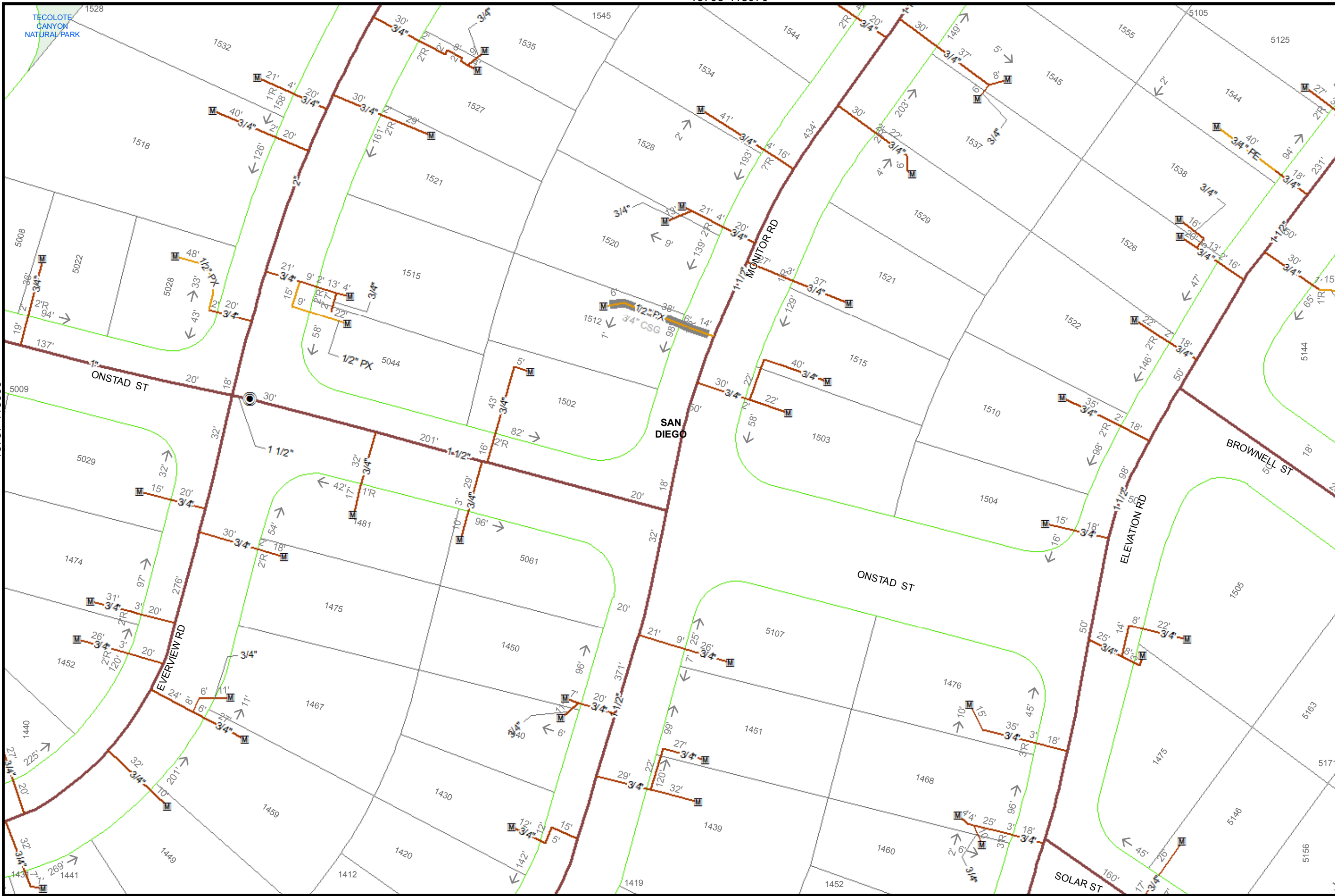



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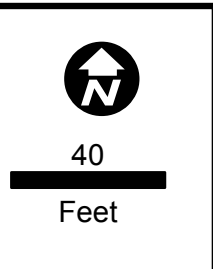
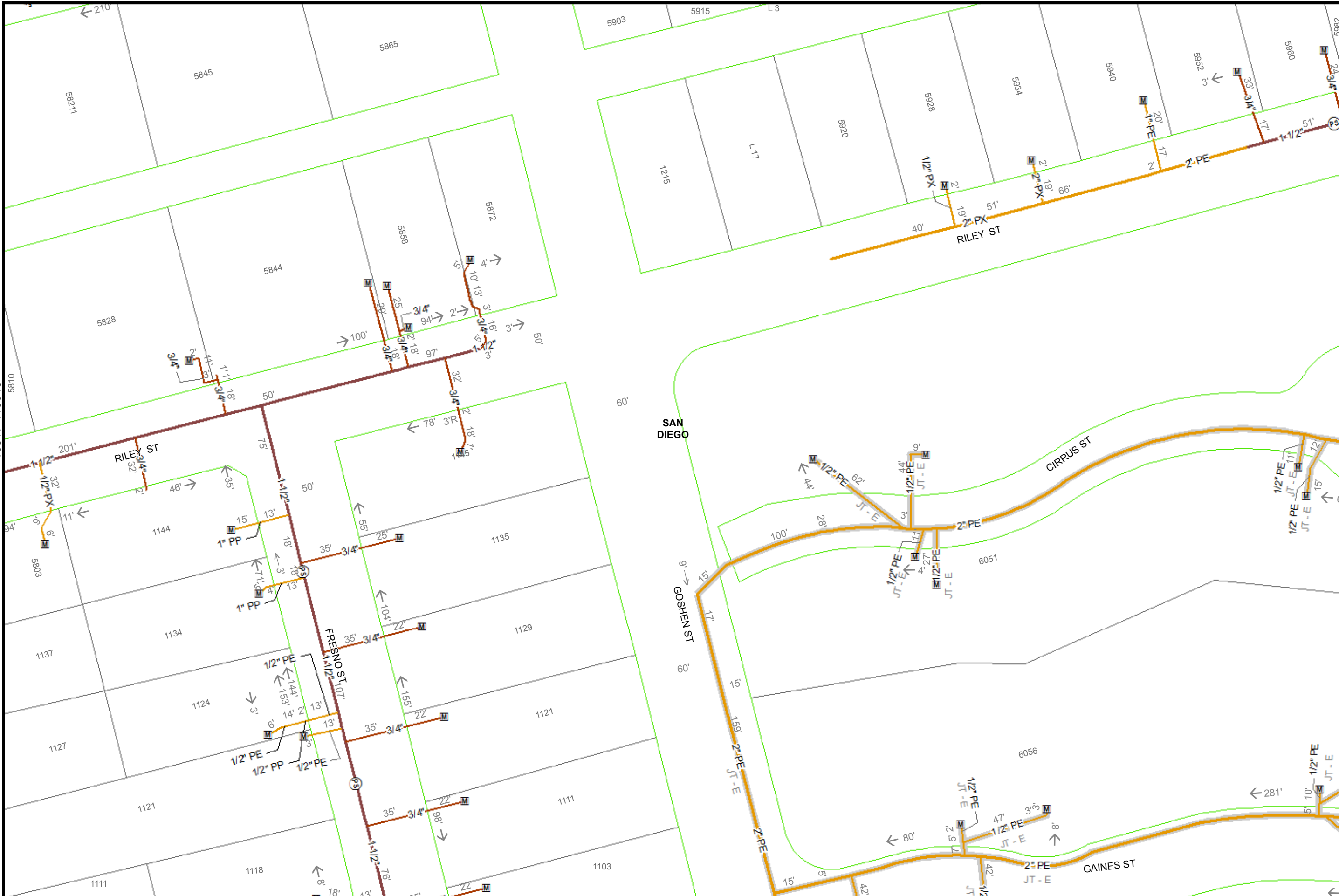
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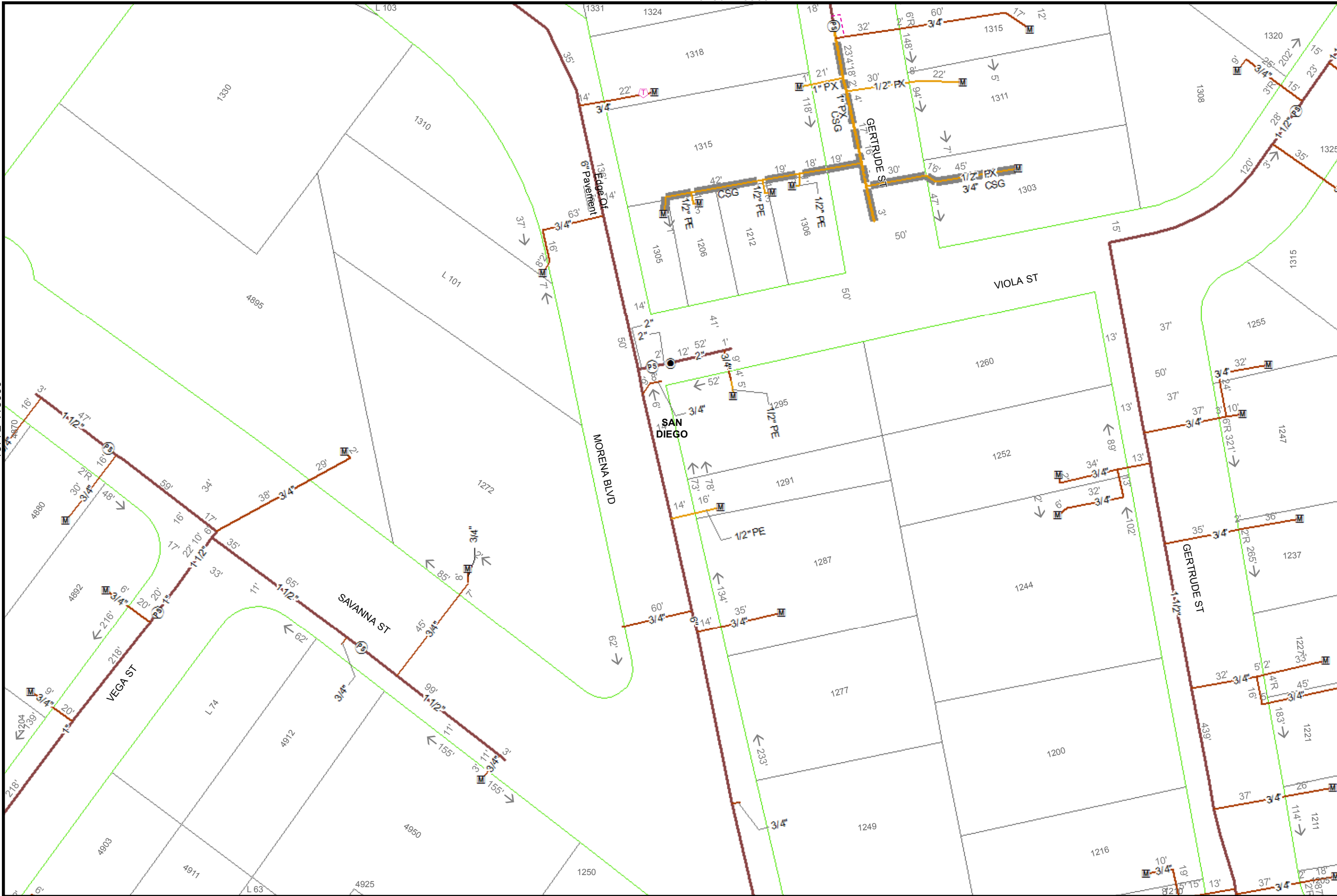




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Map Type:	Gas Asset Map
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Feet

Map Number: 15780-118960

Map Type: Gas Asset Map

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15787-118960

118960

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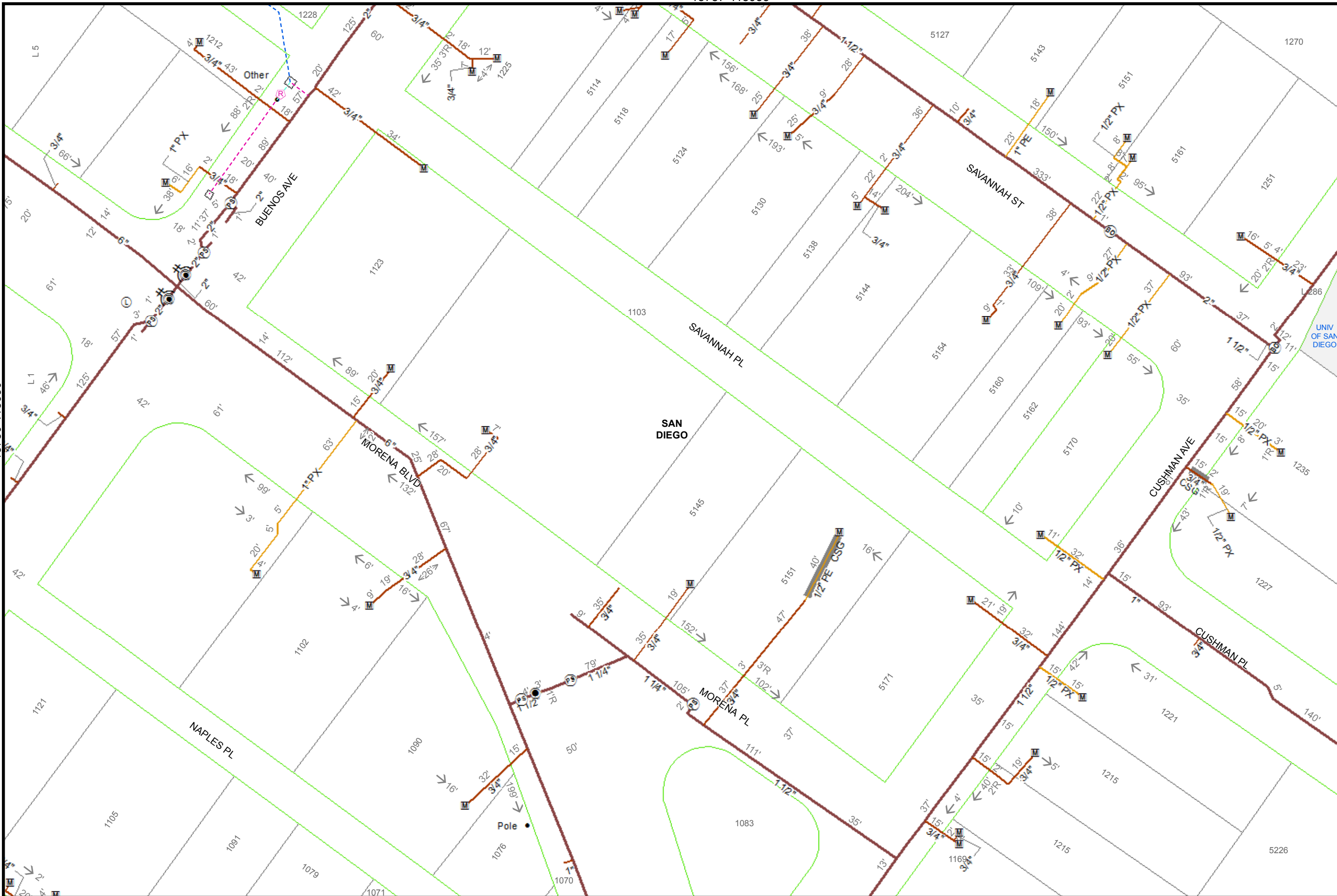
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Sempra Energy utility

15787-118955

15780-118950



15787-118945

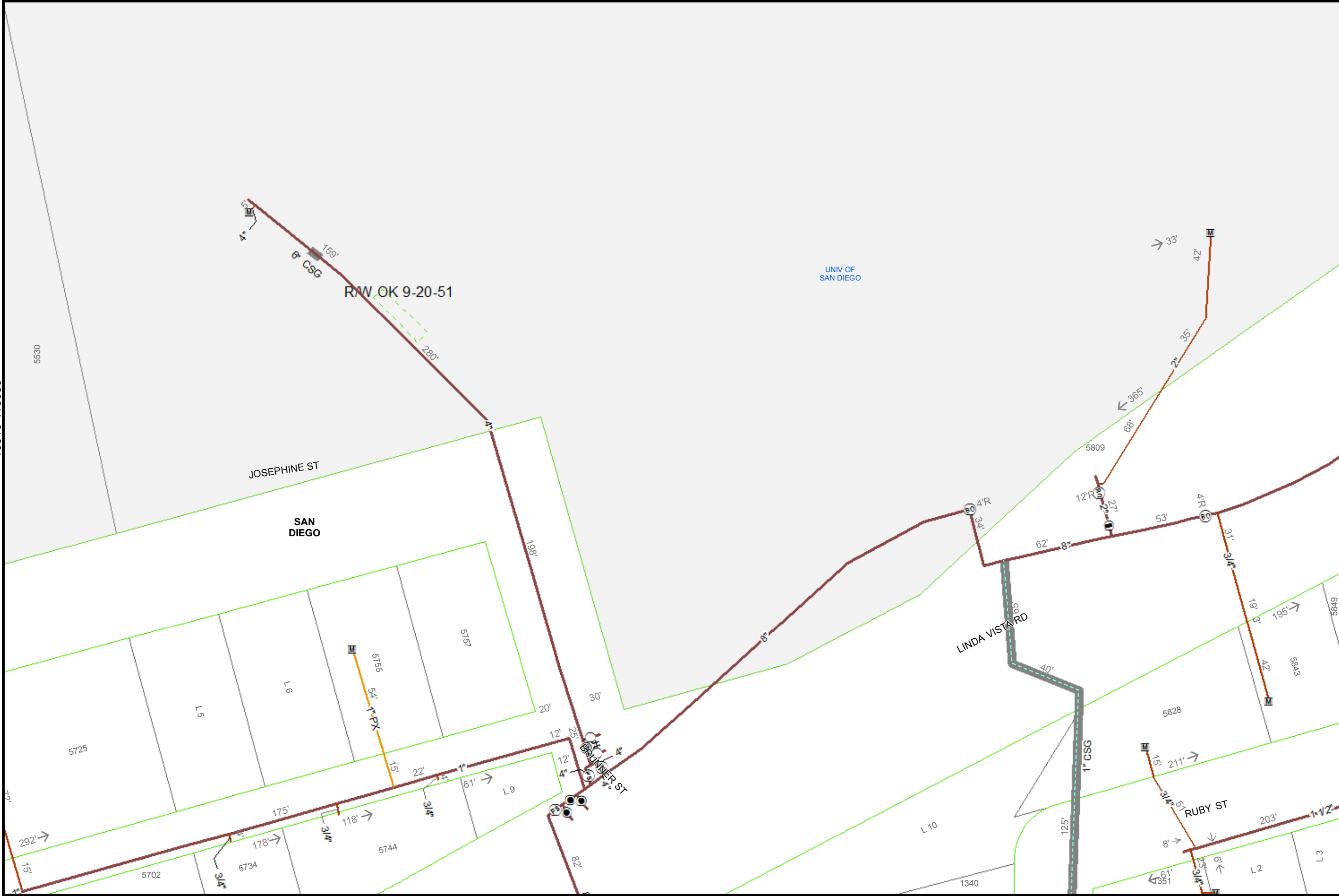

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15795-118950



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Printed By:	ekaufma1
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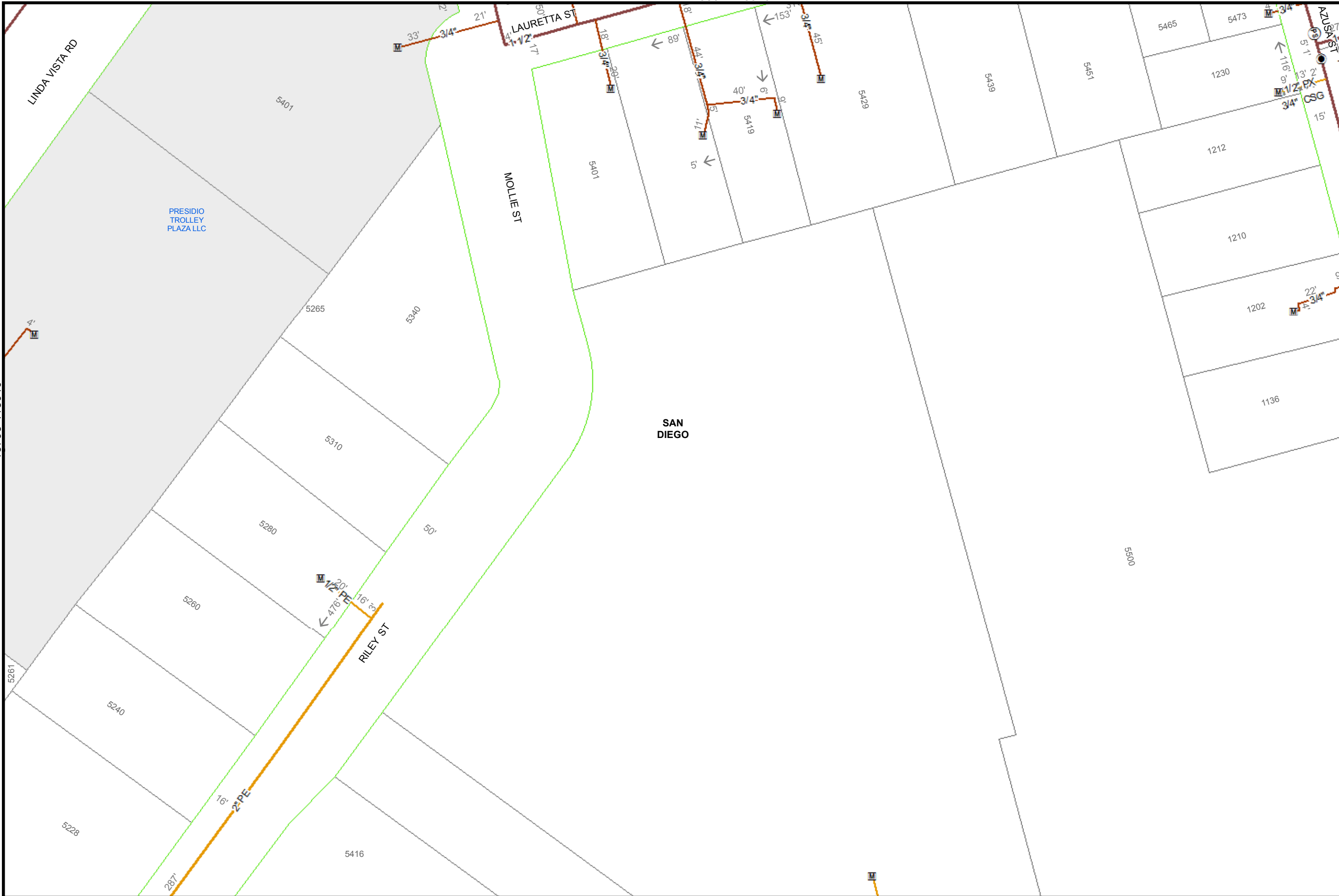
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15795-118940

15802-118945

15802-118935



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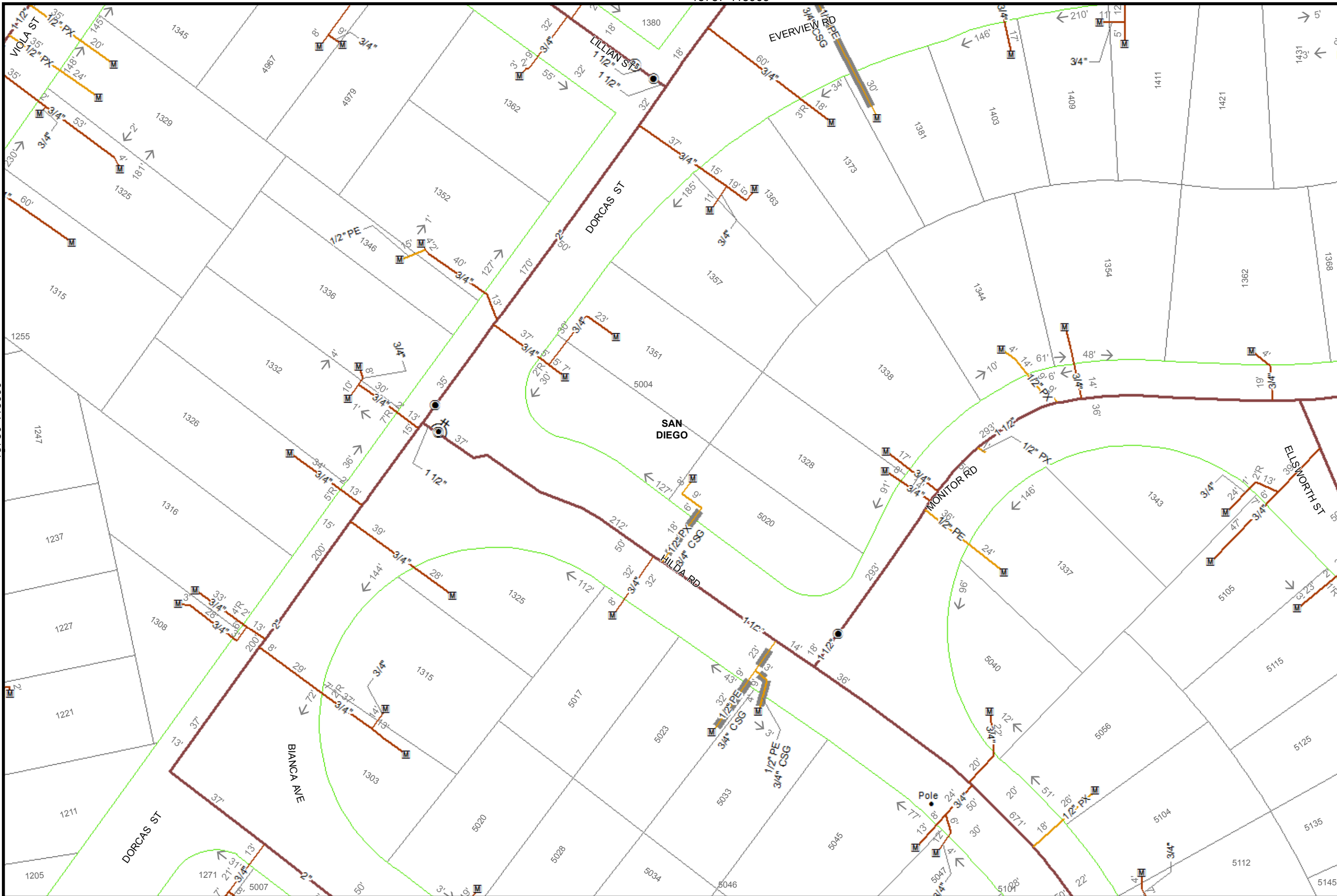
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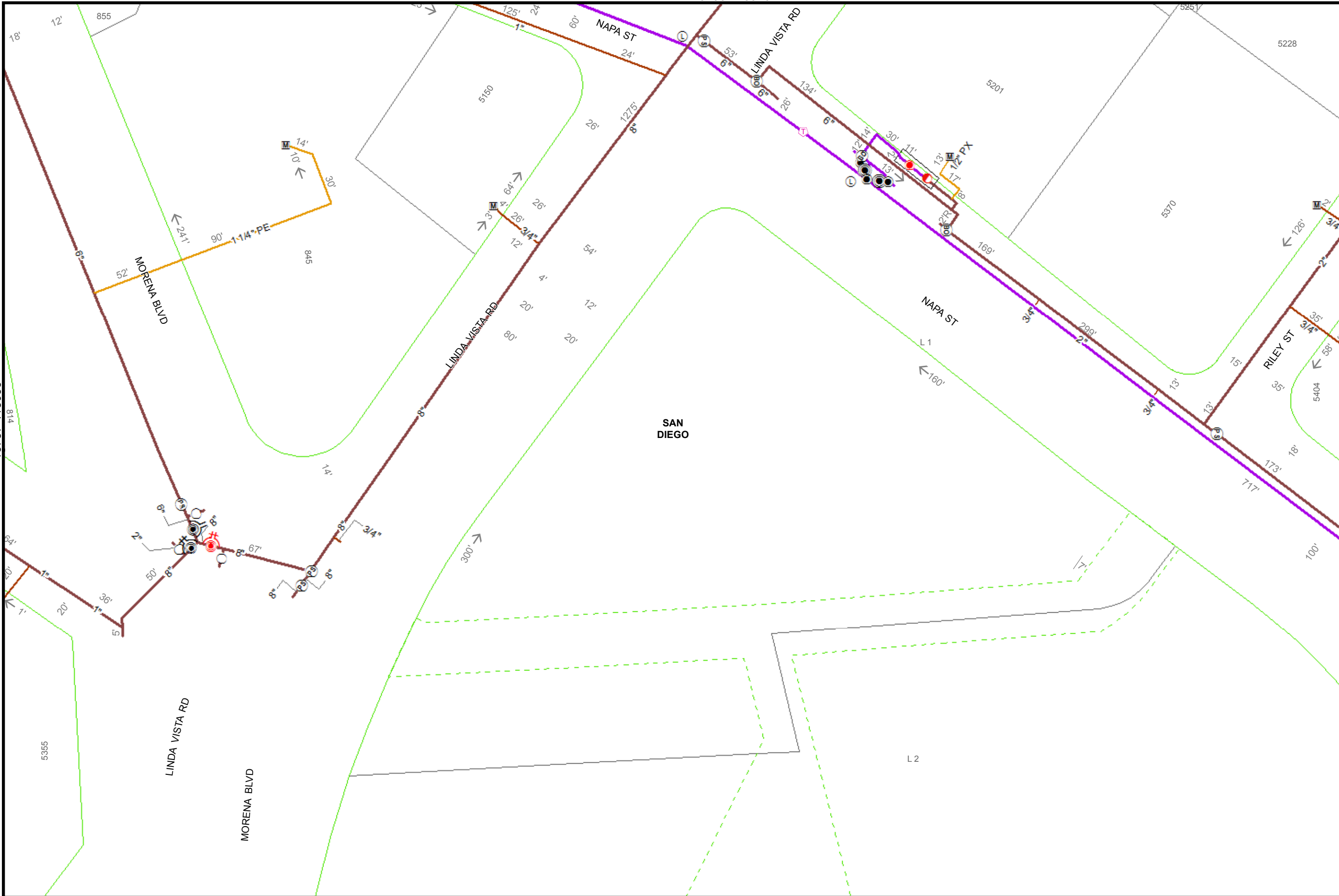
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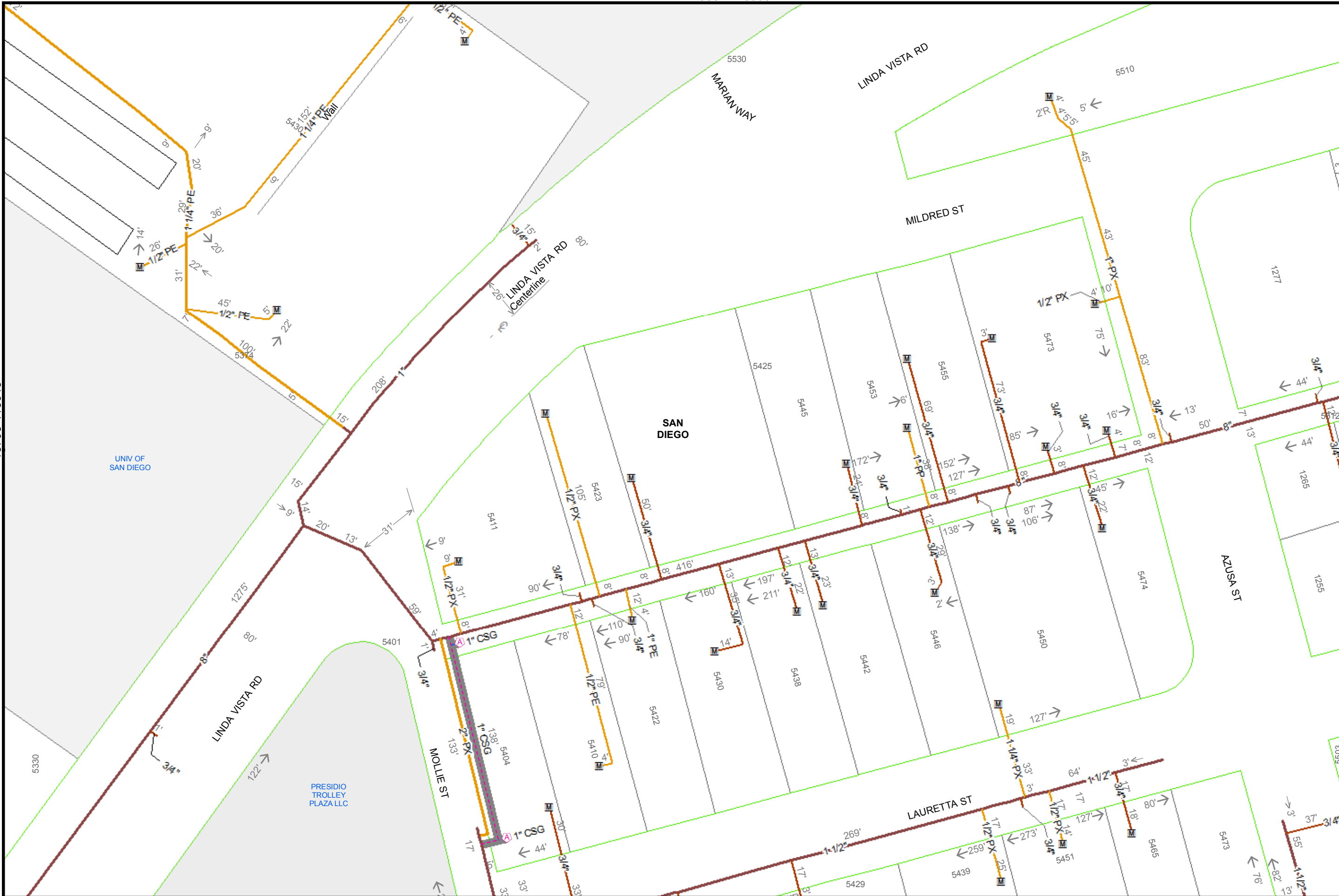
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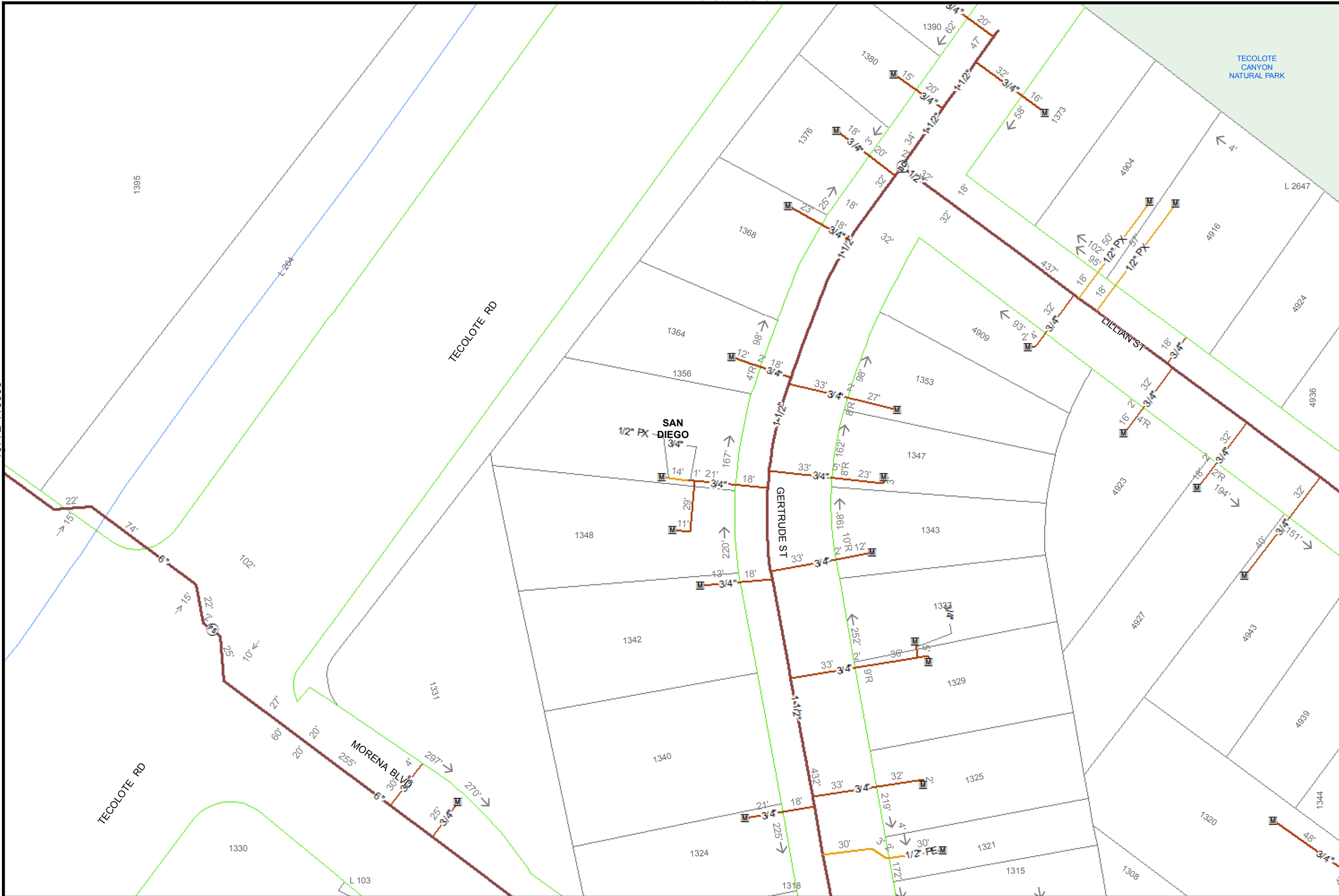
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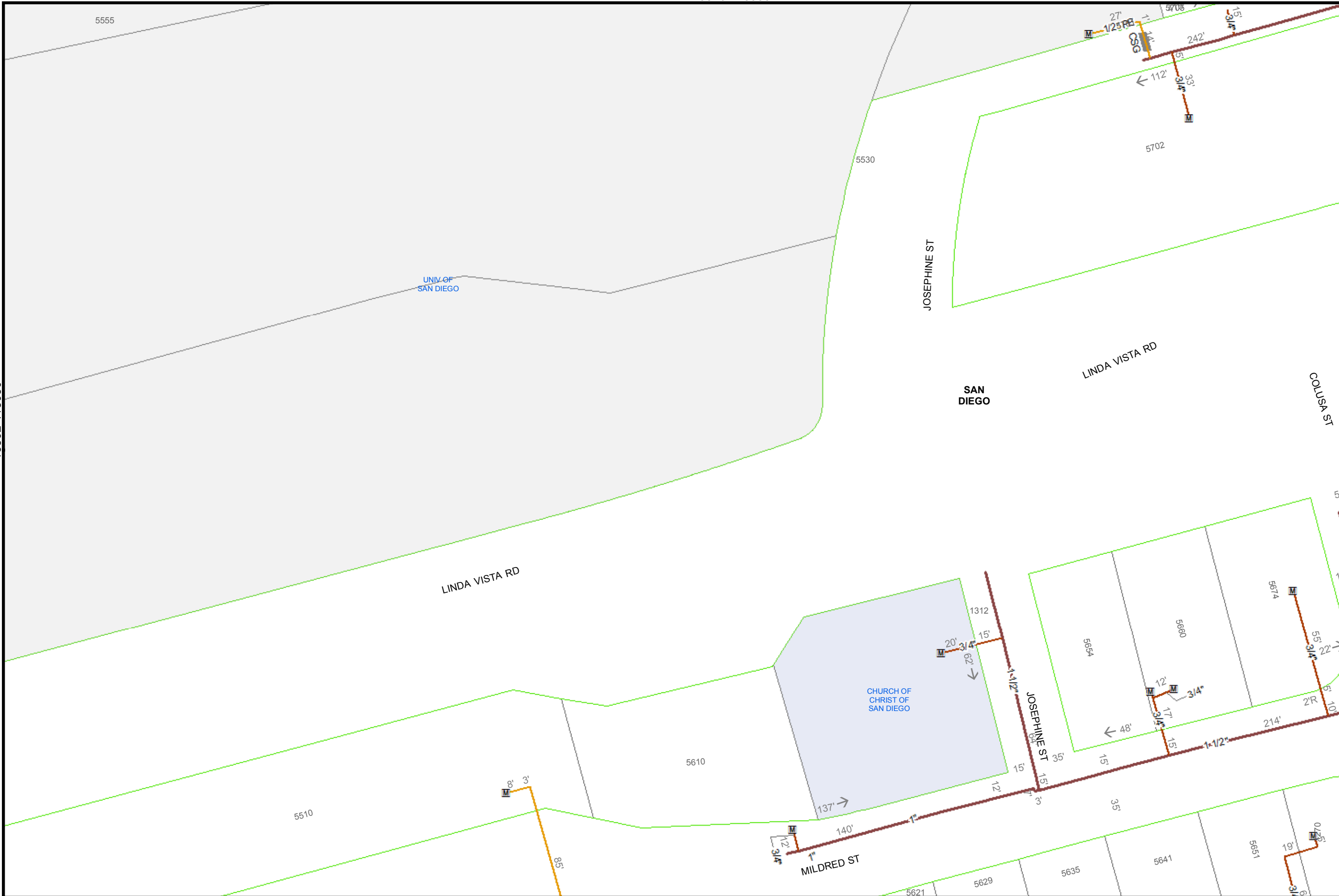
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15817-118950
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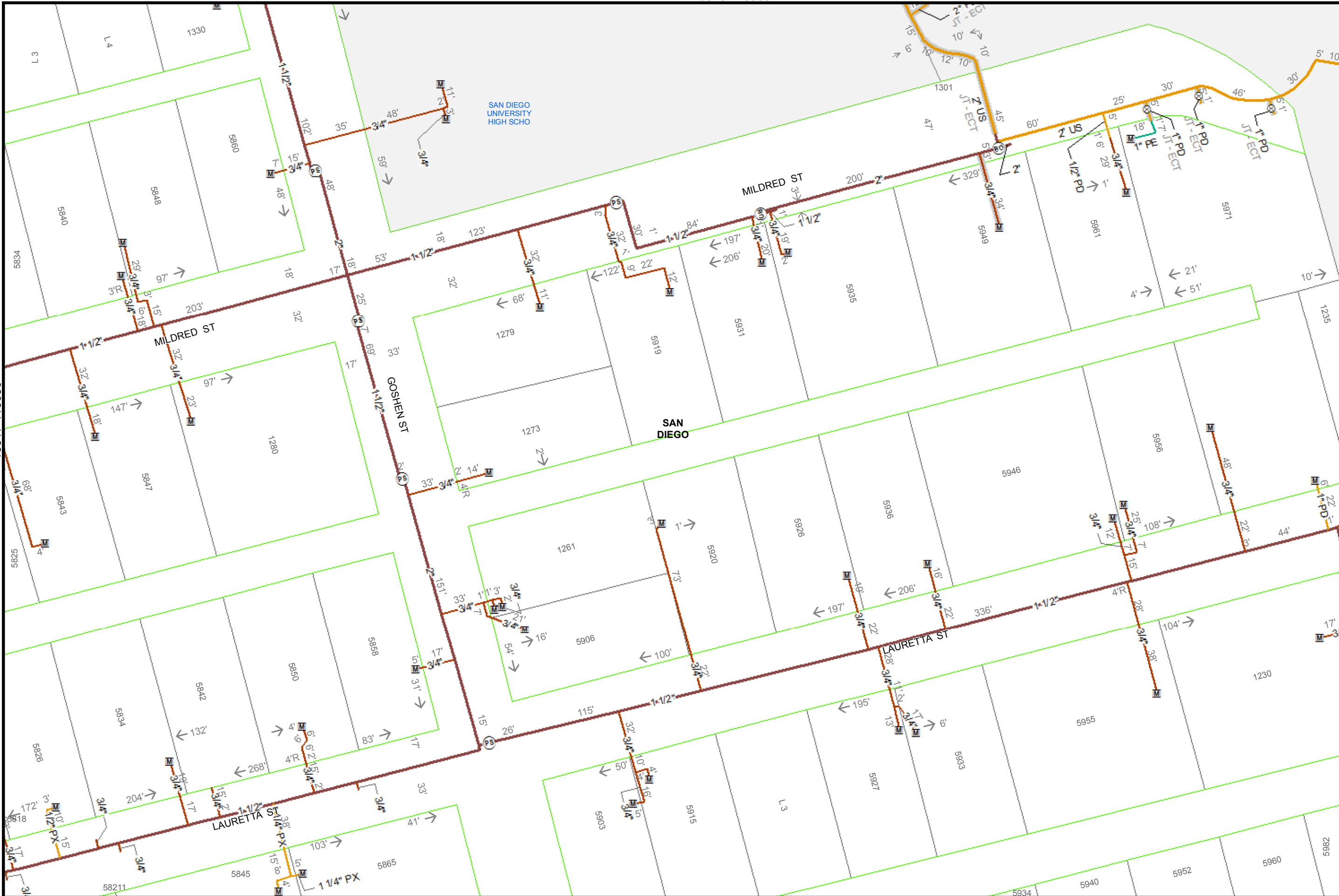
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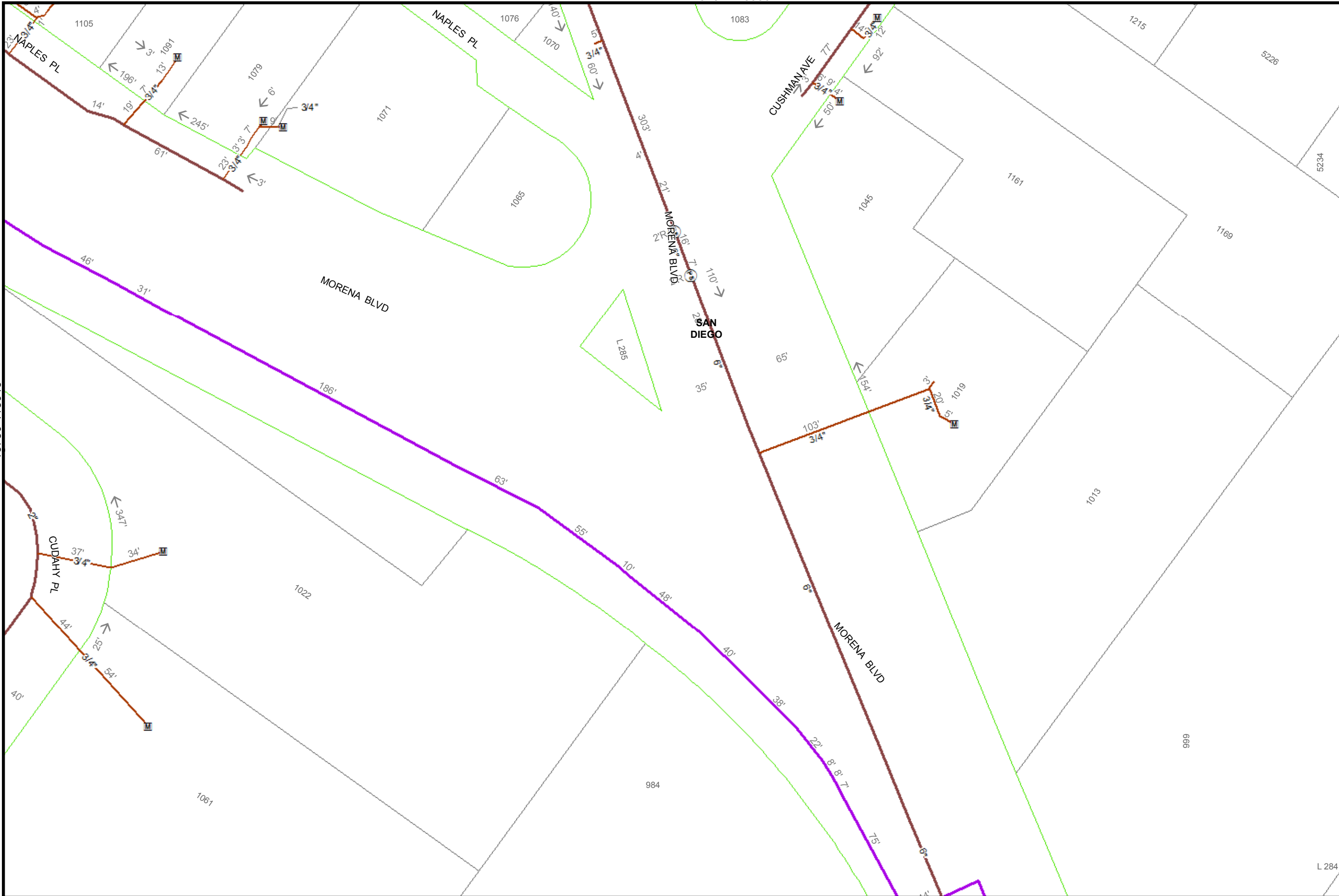
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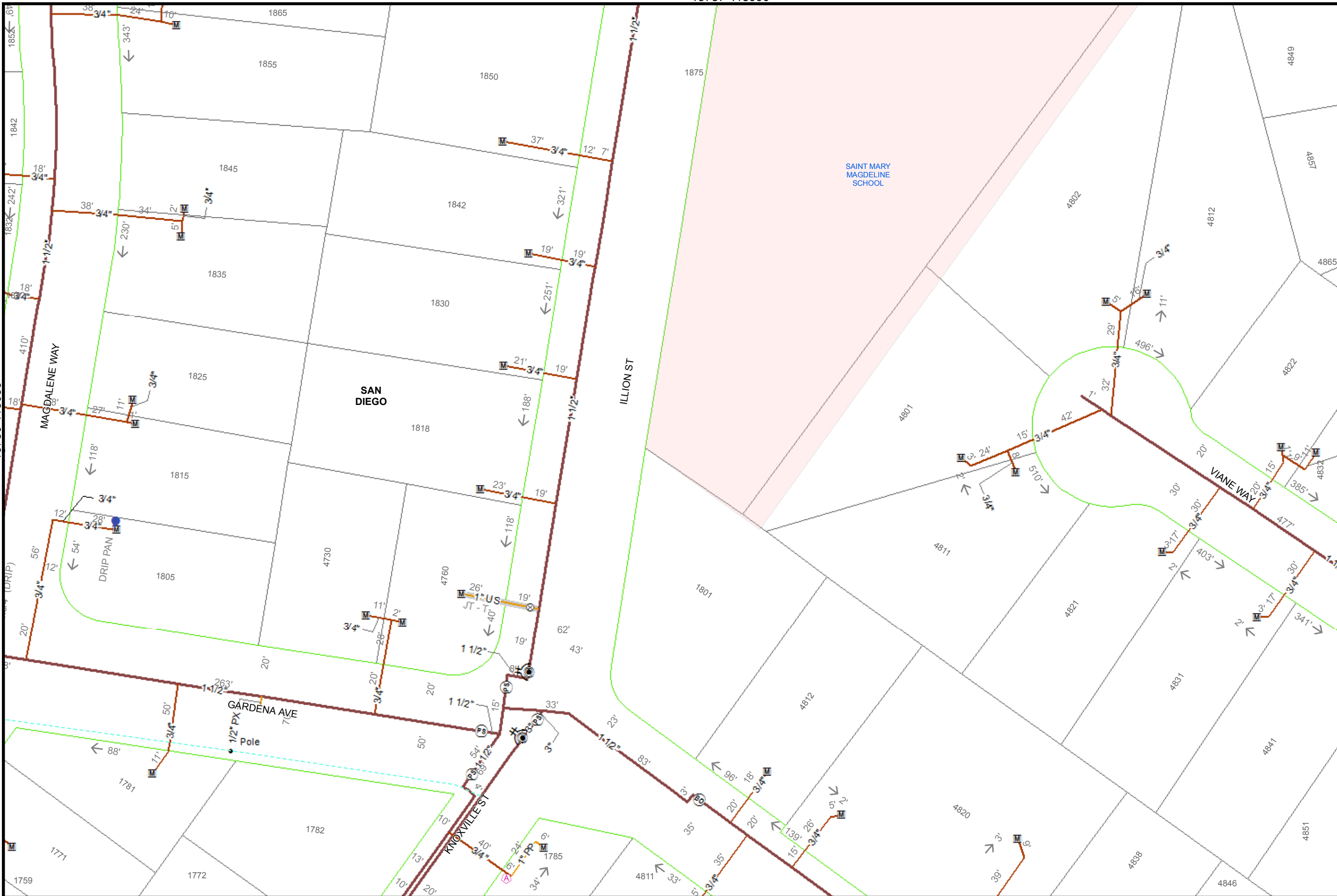
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15795-118945
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15787-118975

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15795-118970



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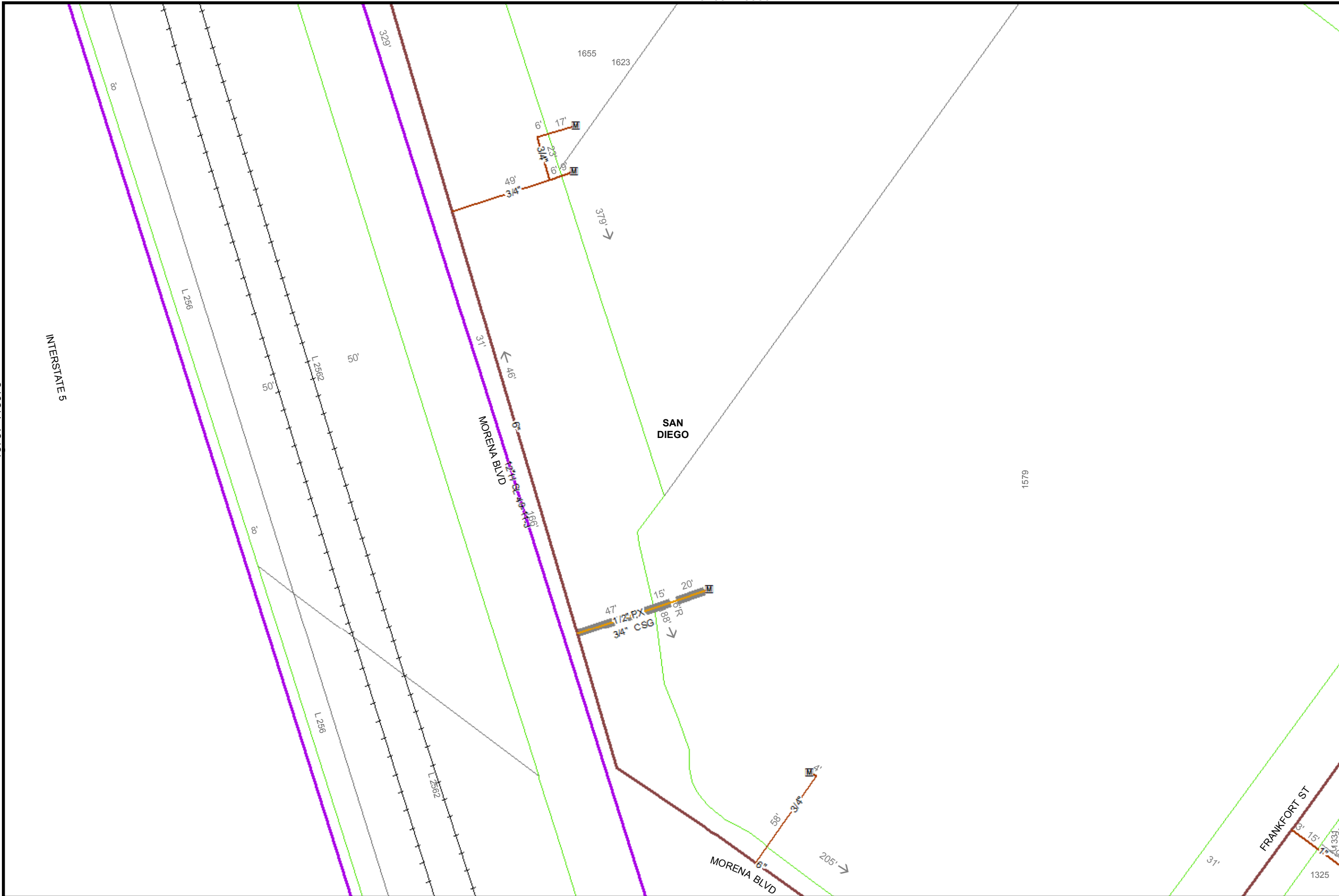
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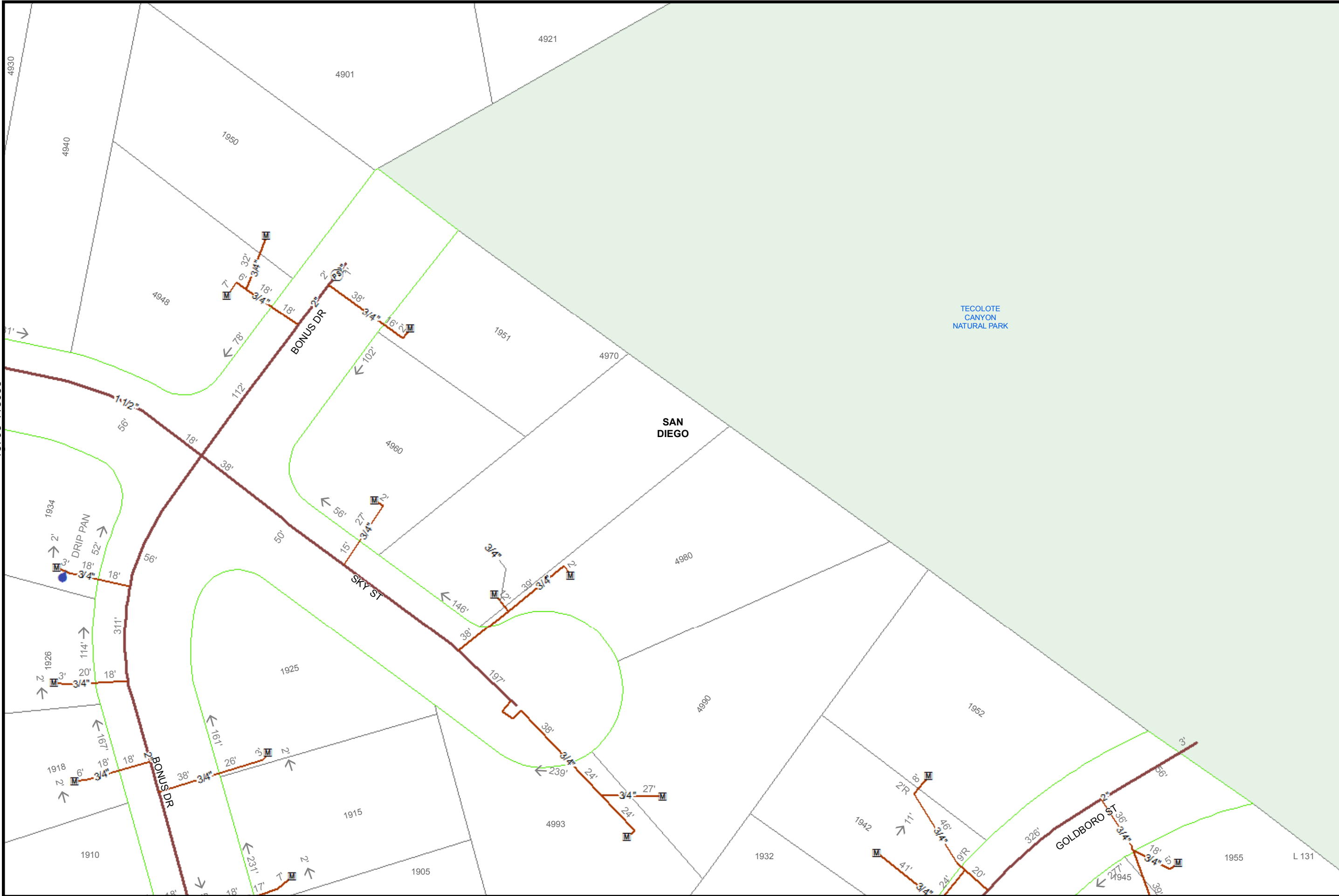

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15772-118975
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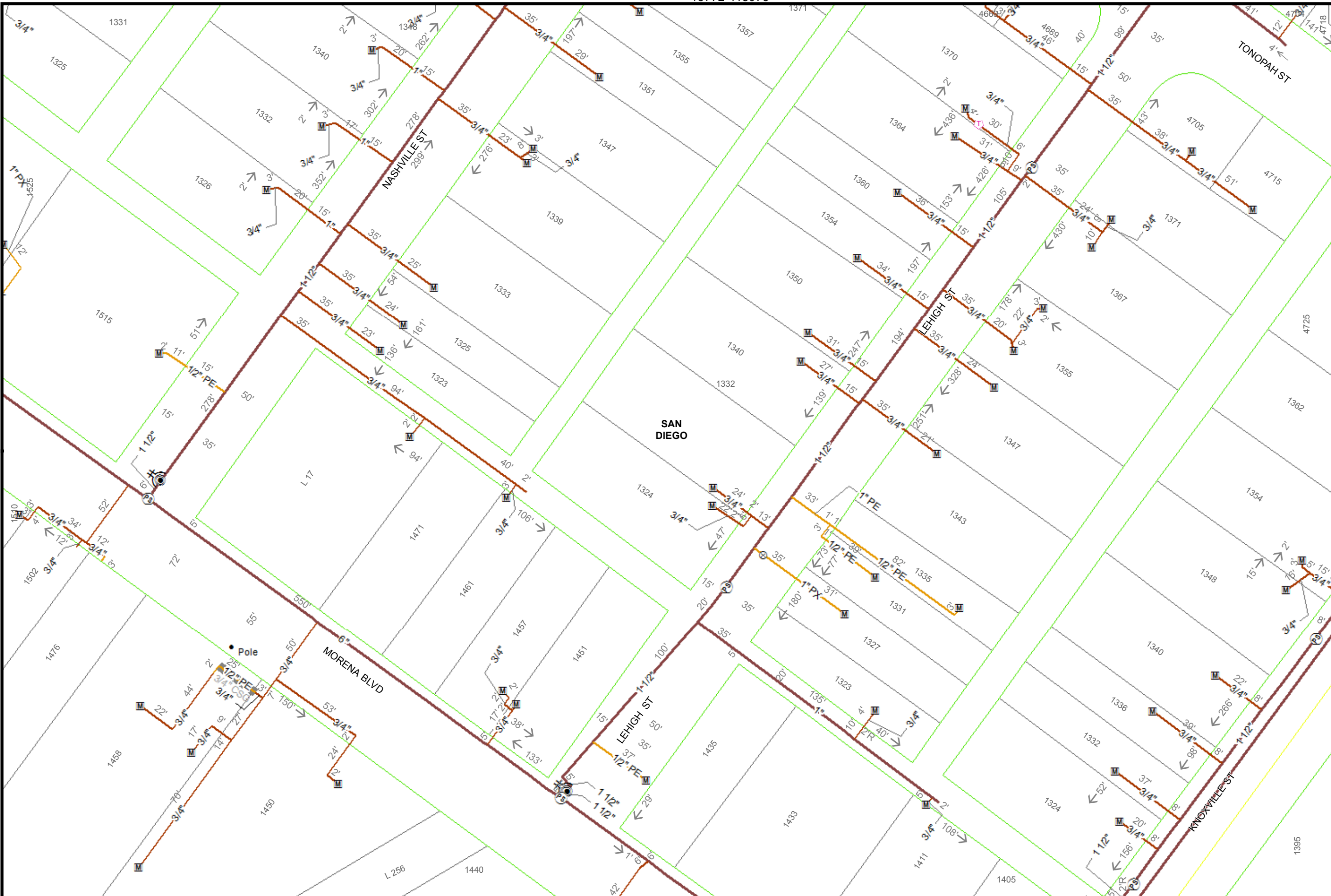
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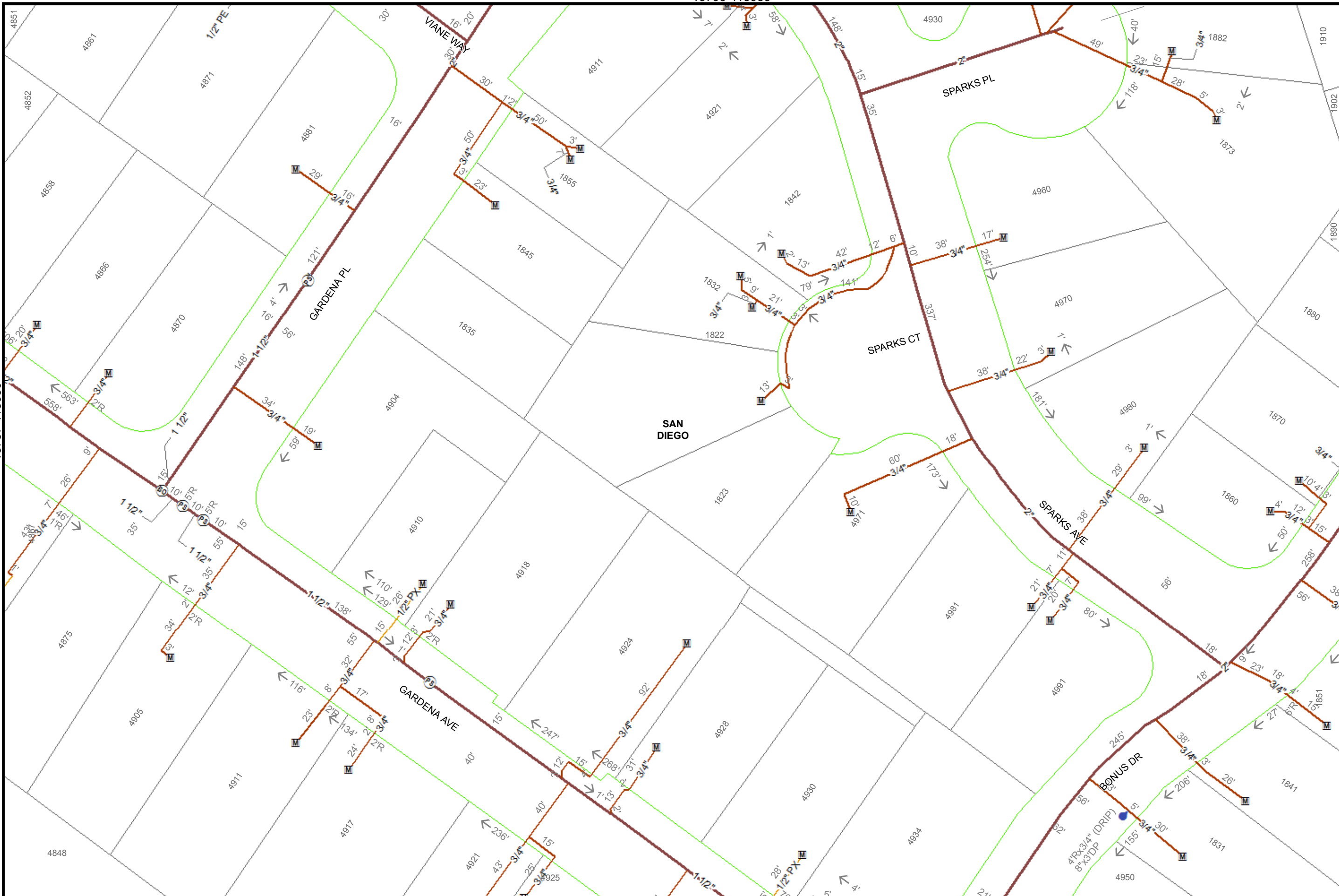
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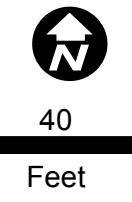
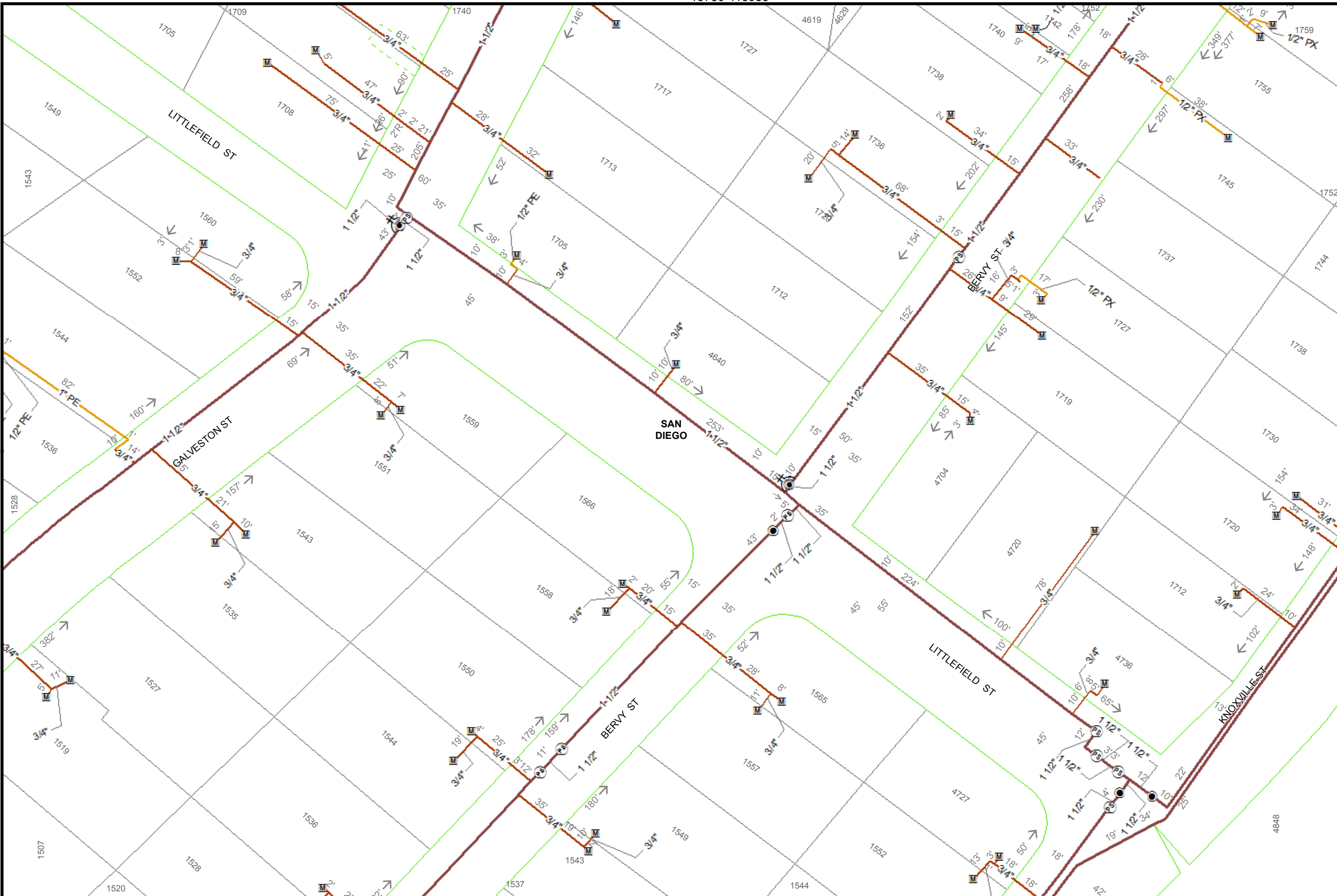
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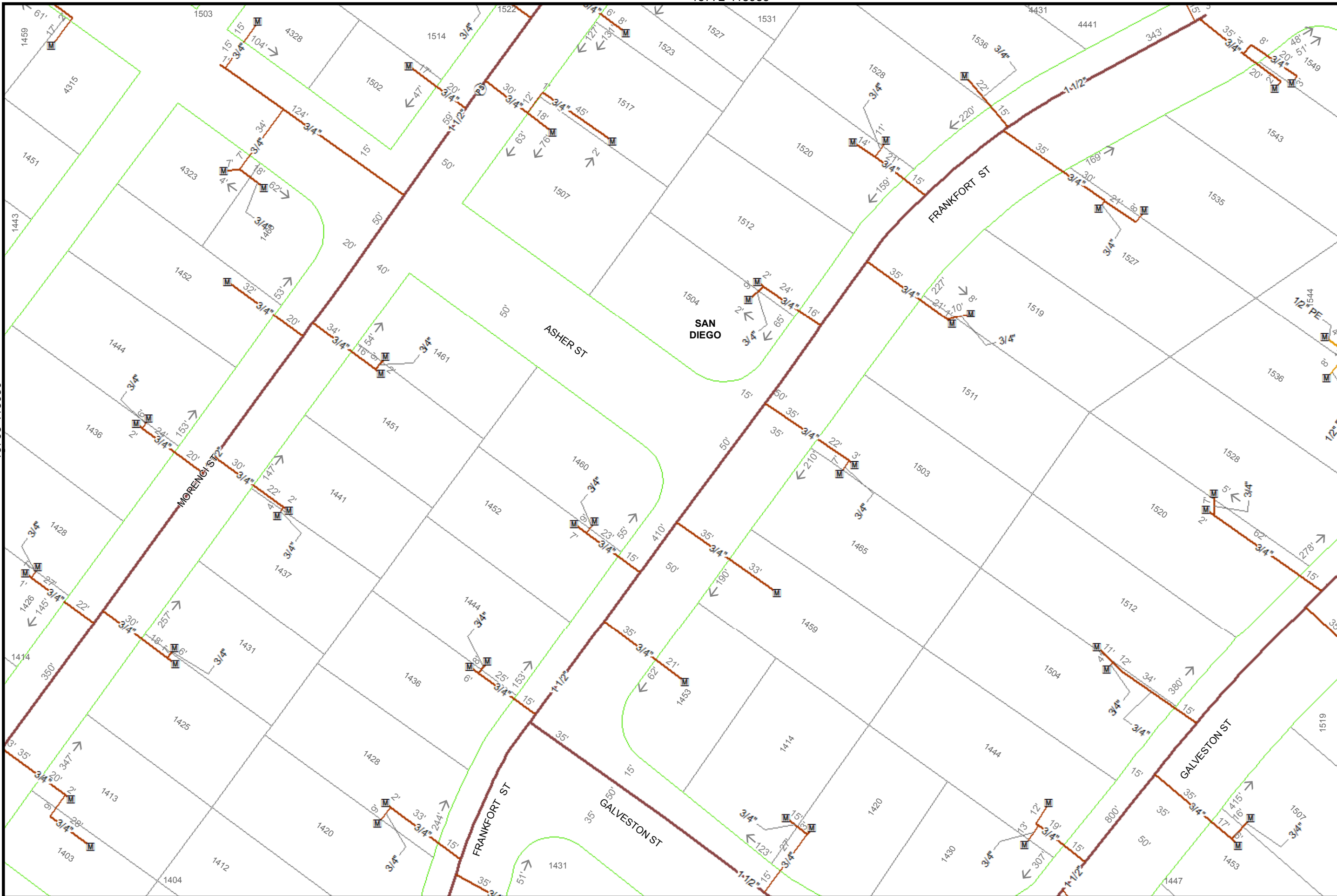
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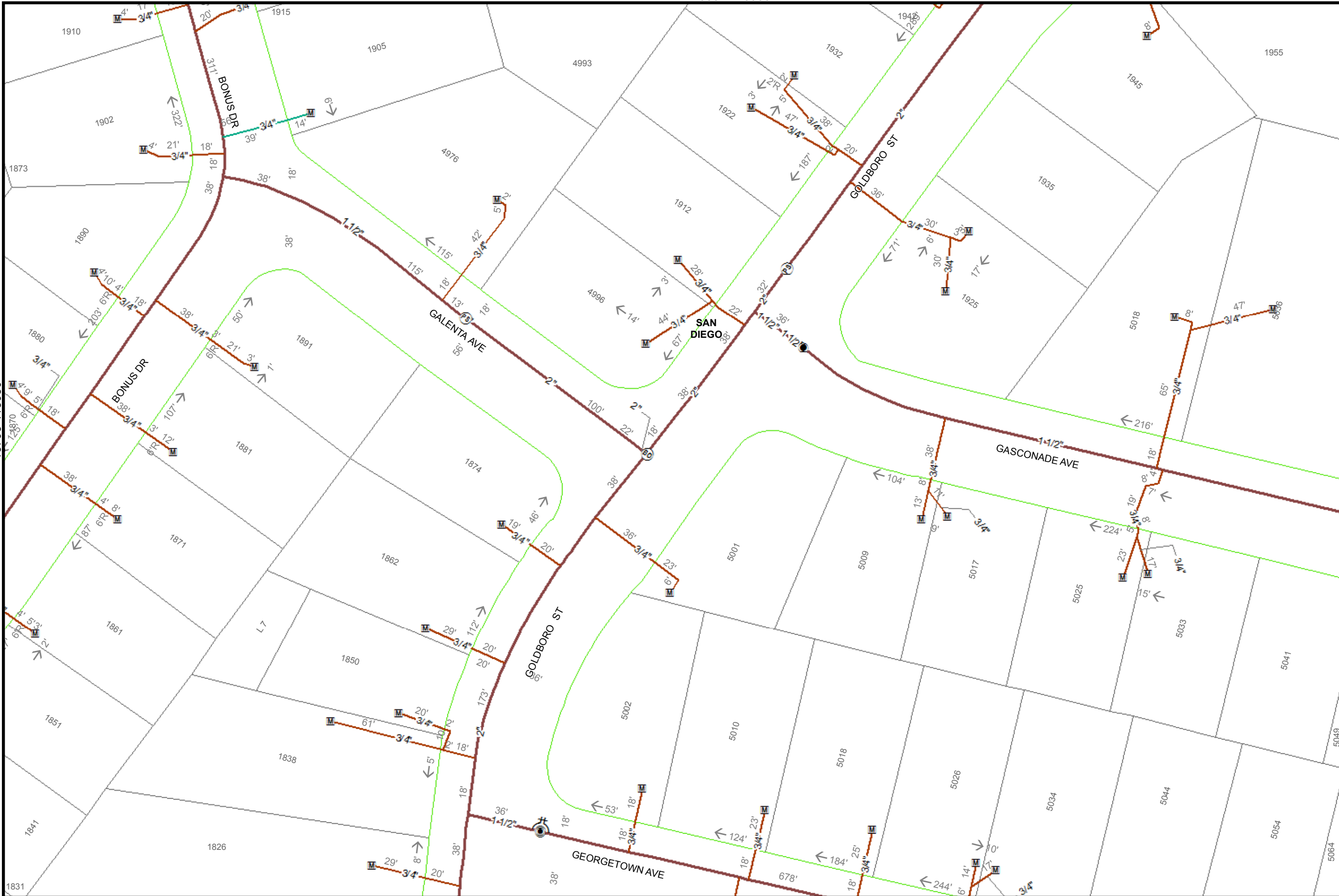


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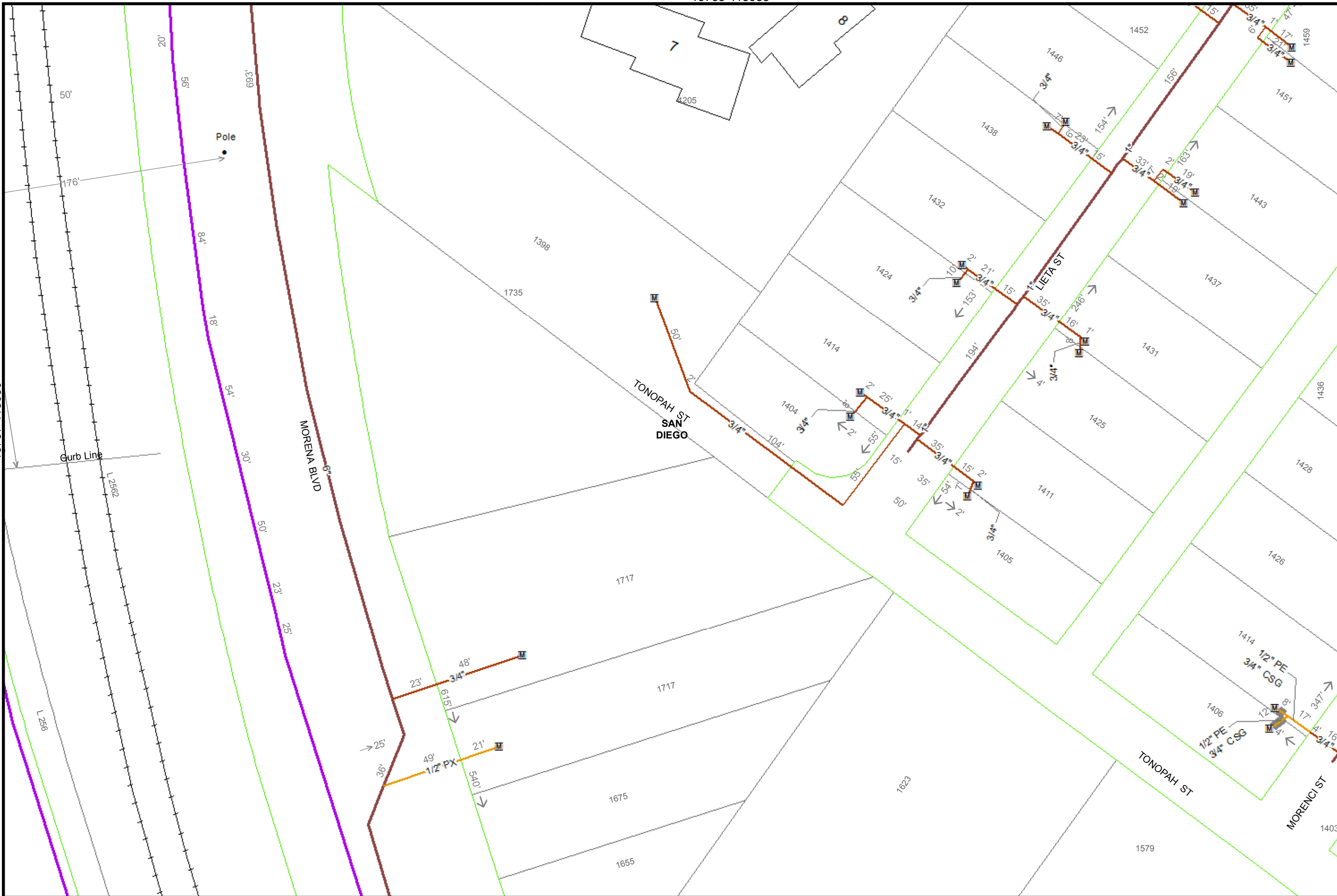
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15810-118980
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MAGDELINE
SCHOOL

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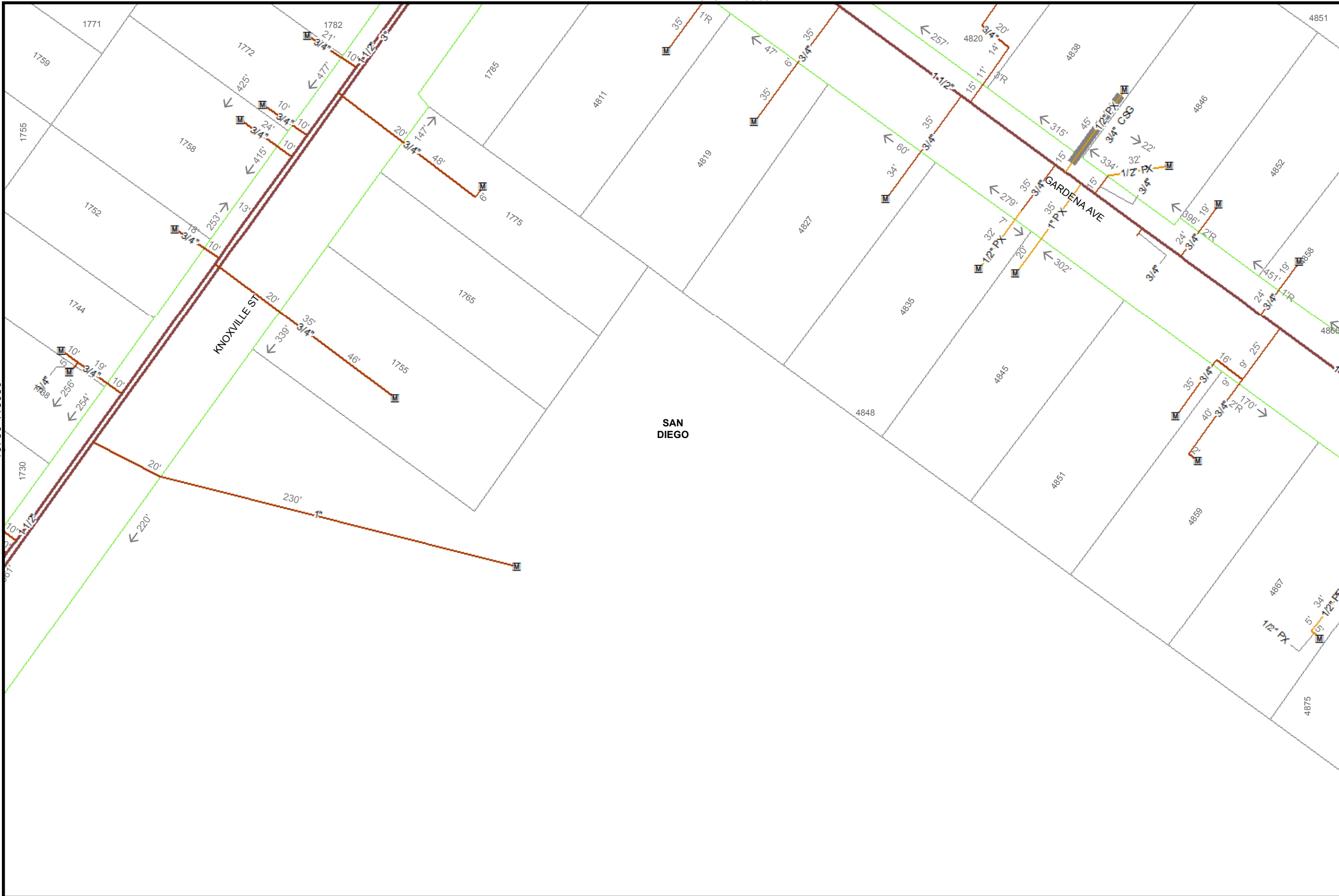
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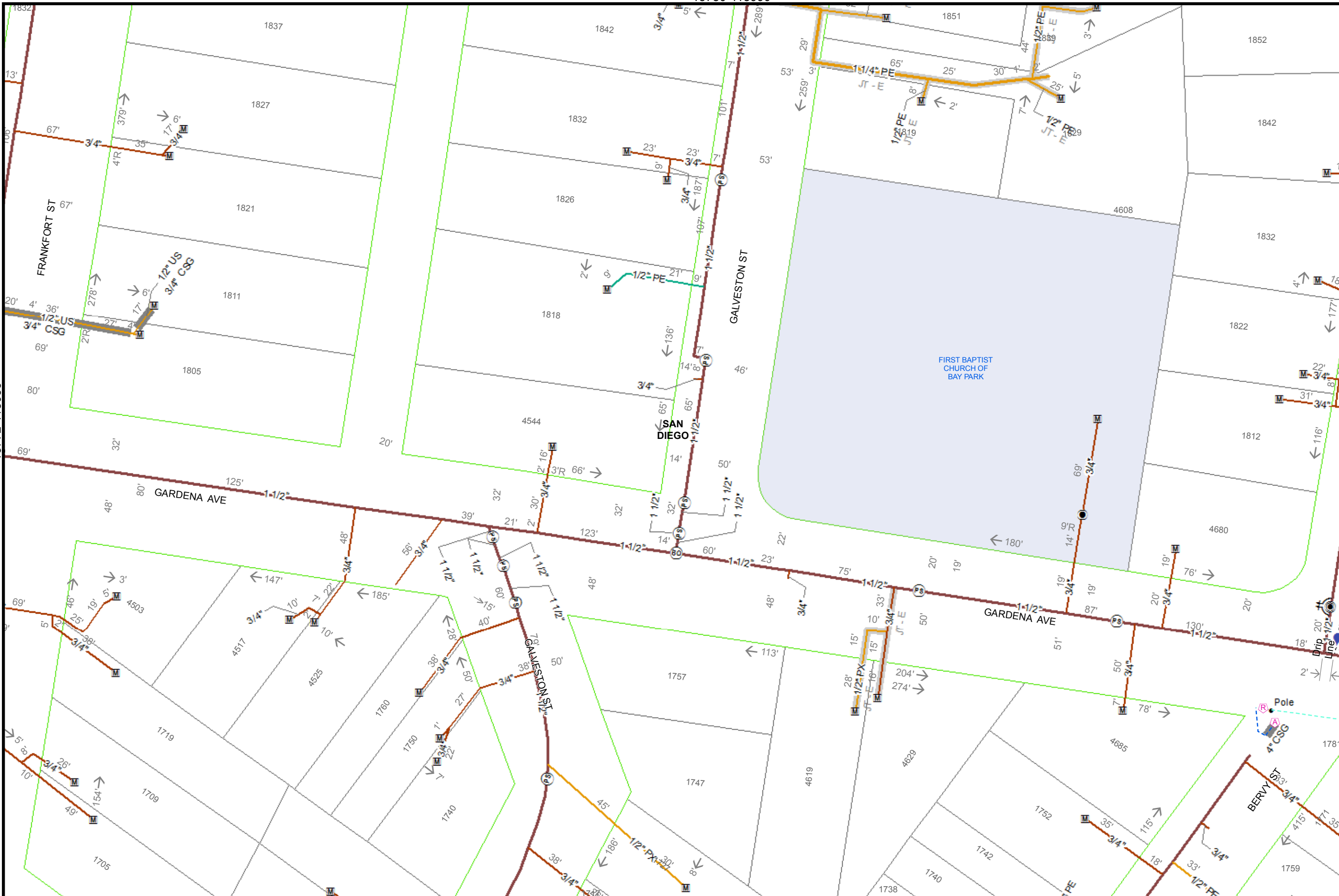


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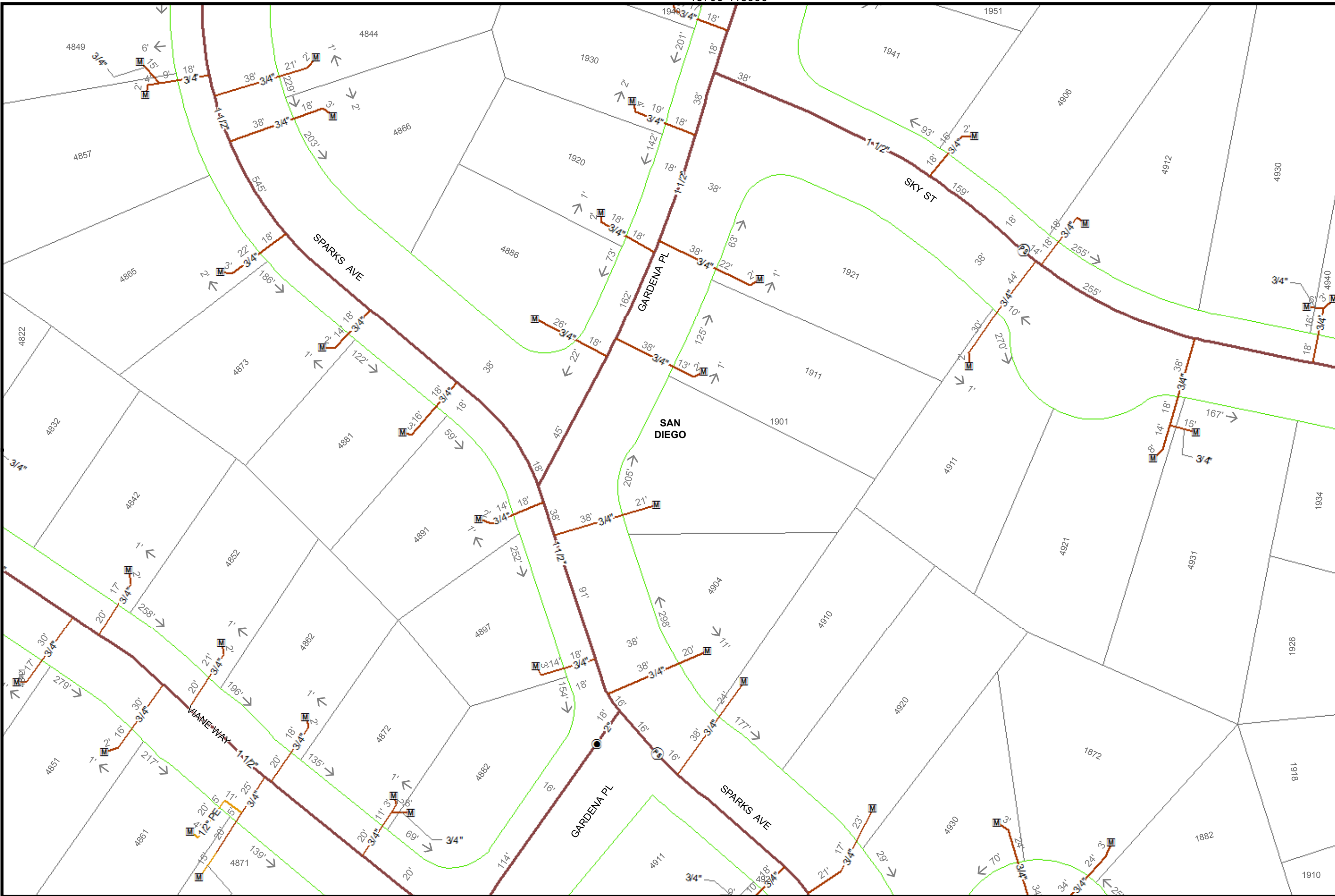
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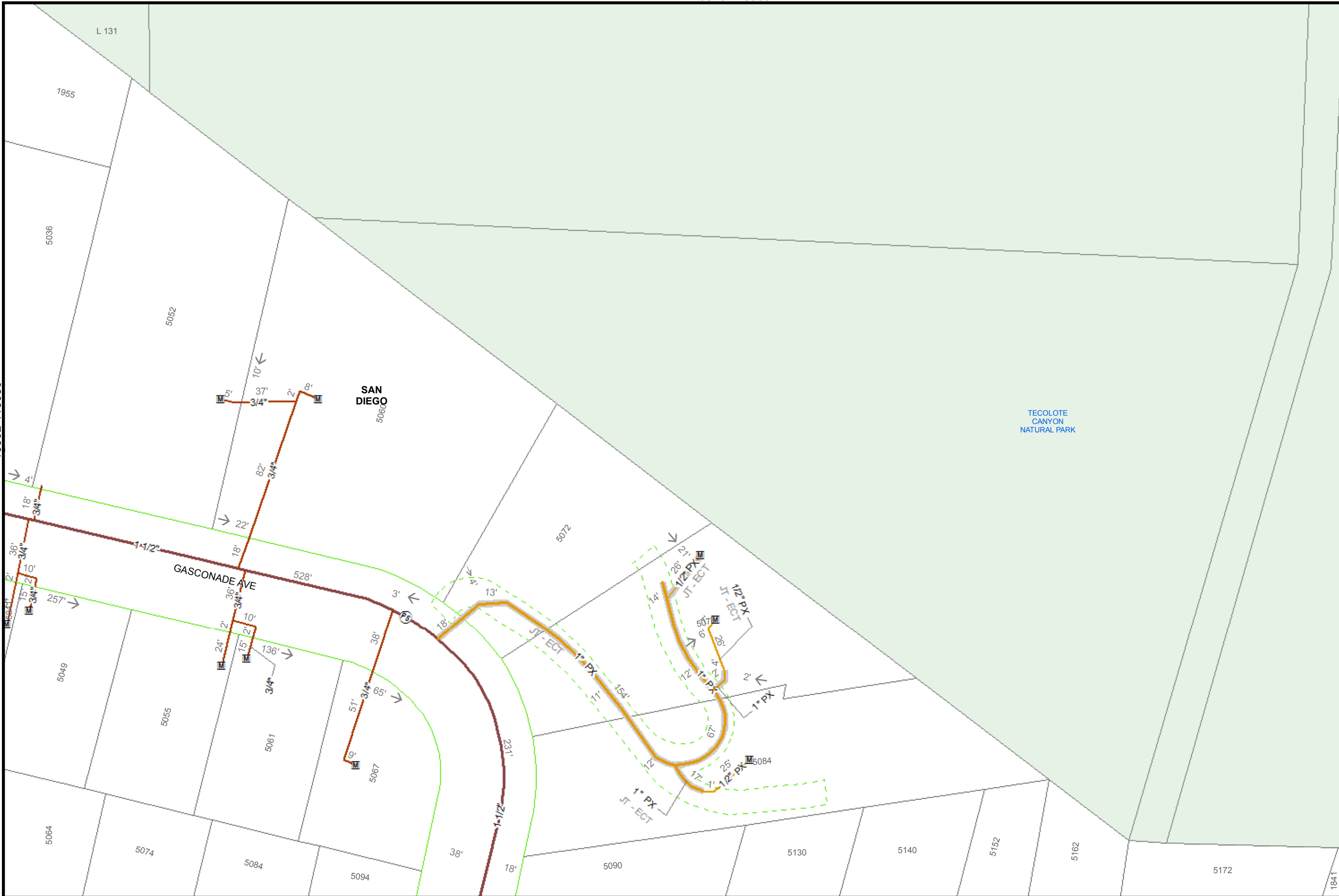
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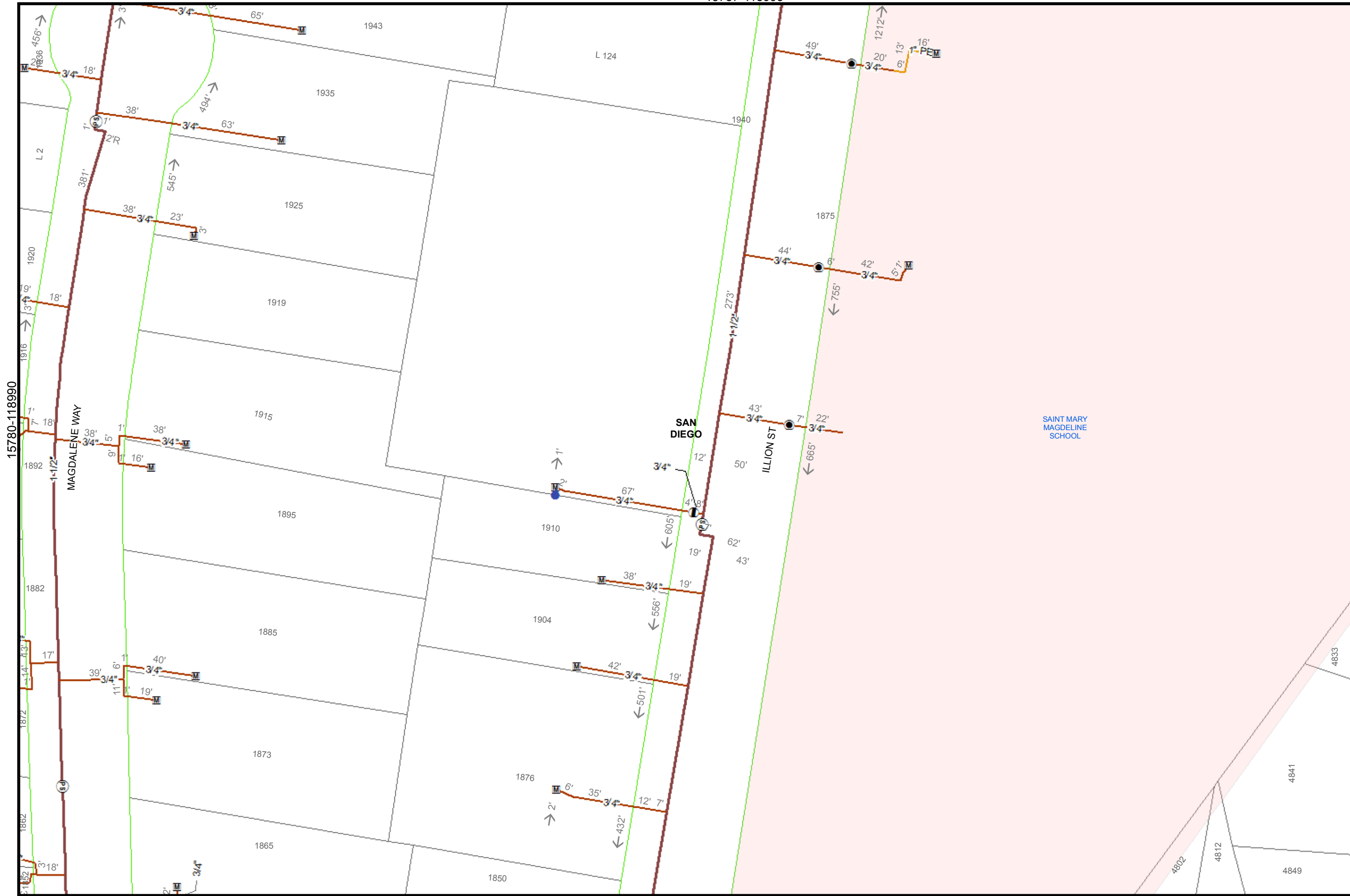
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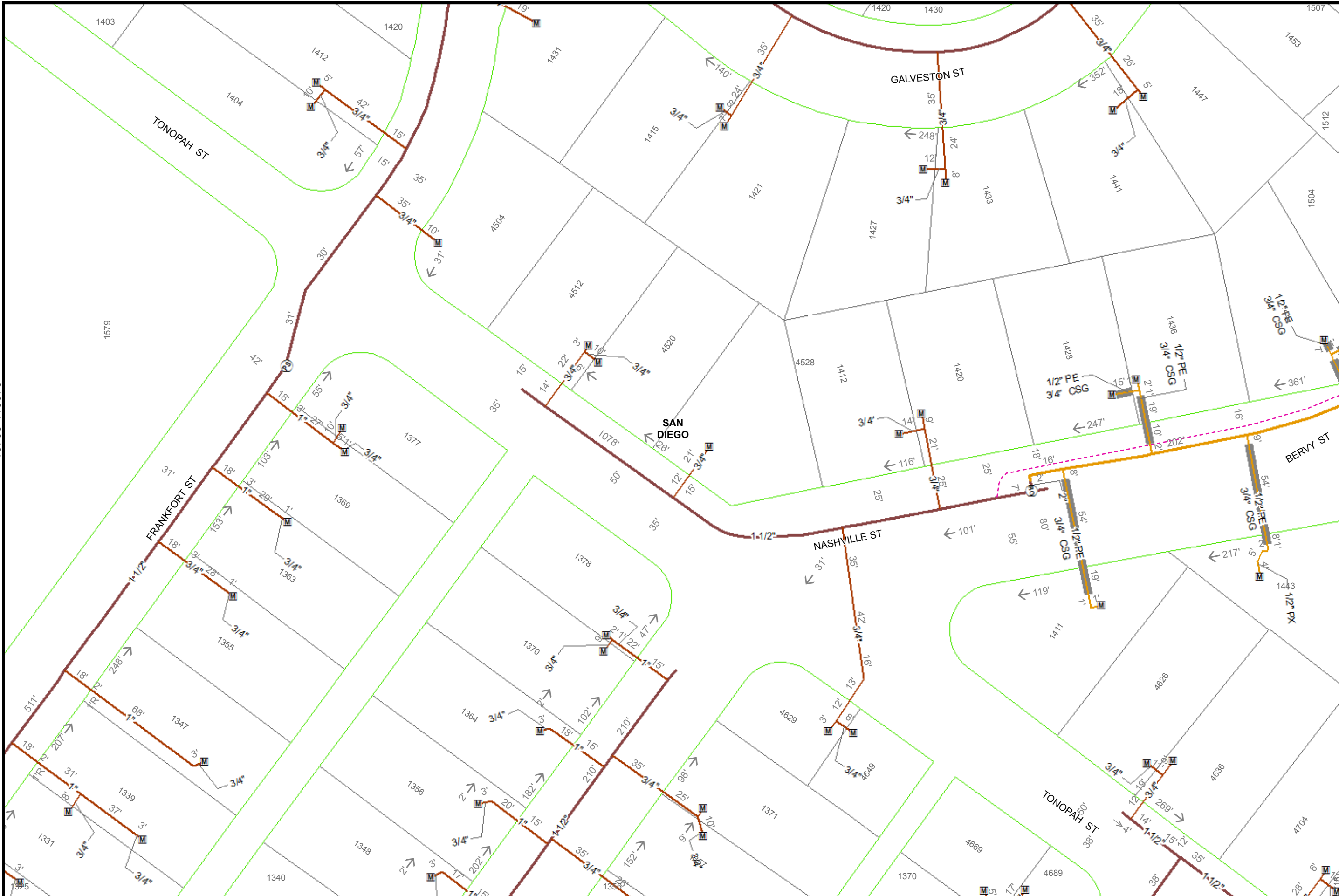
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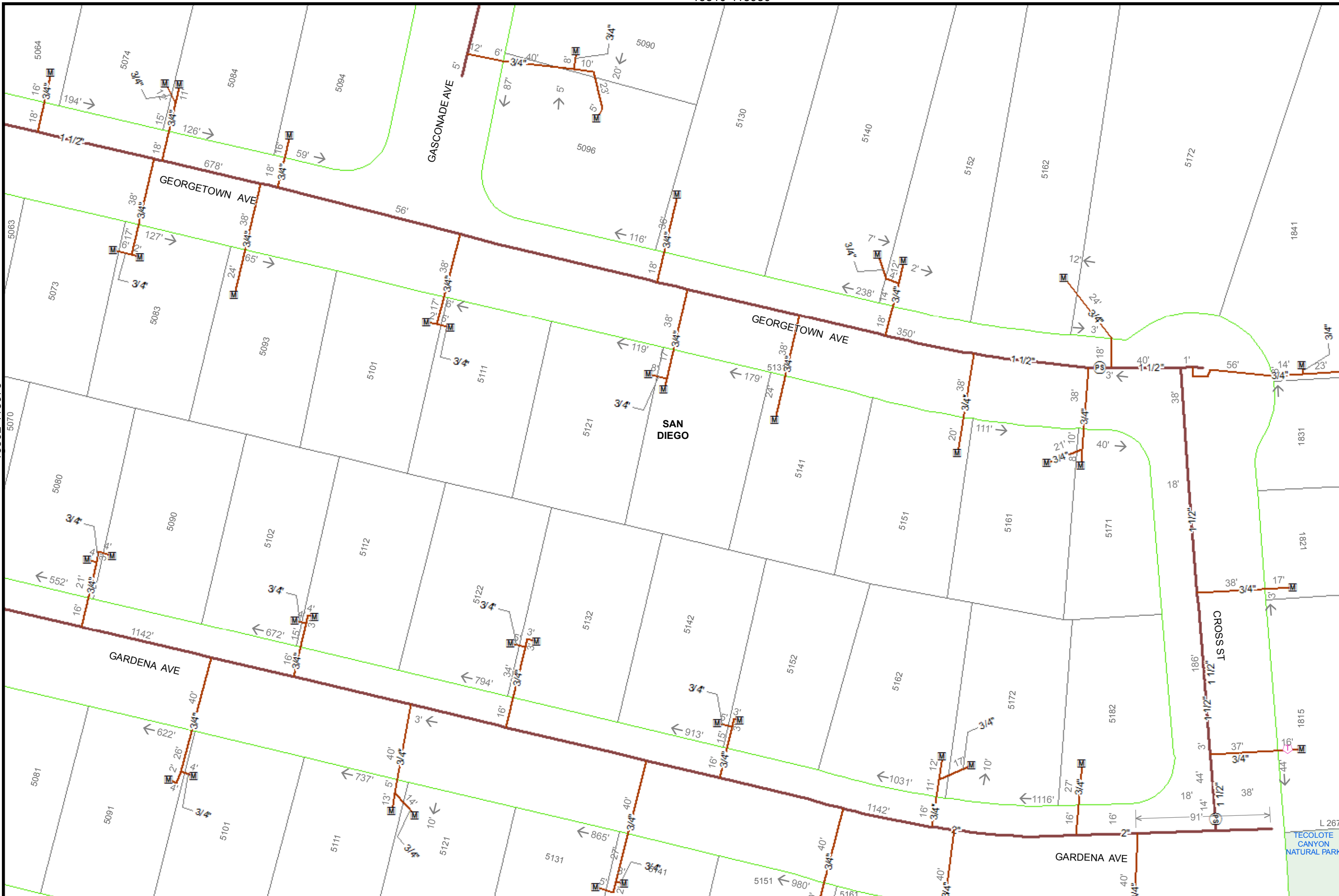
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15780-118975
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40
Feet

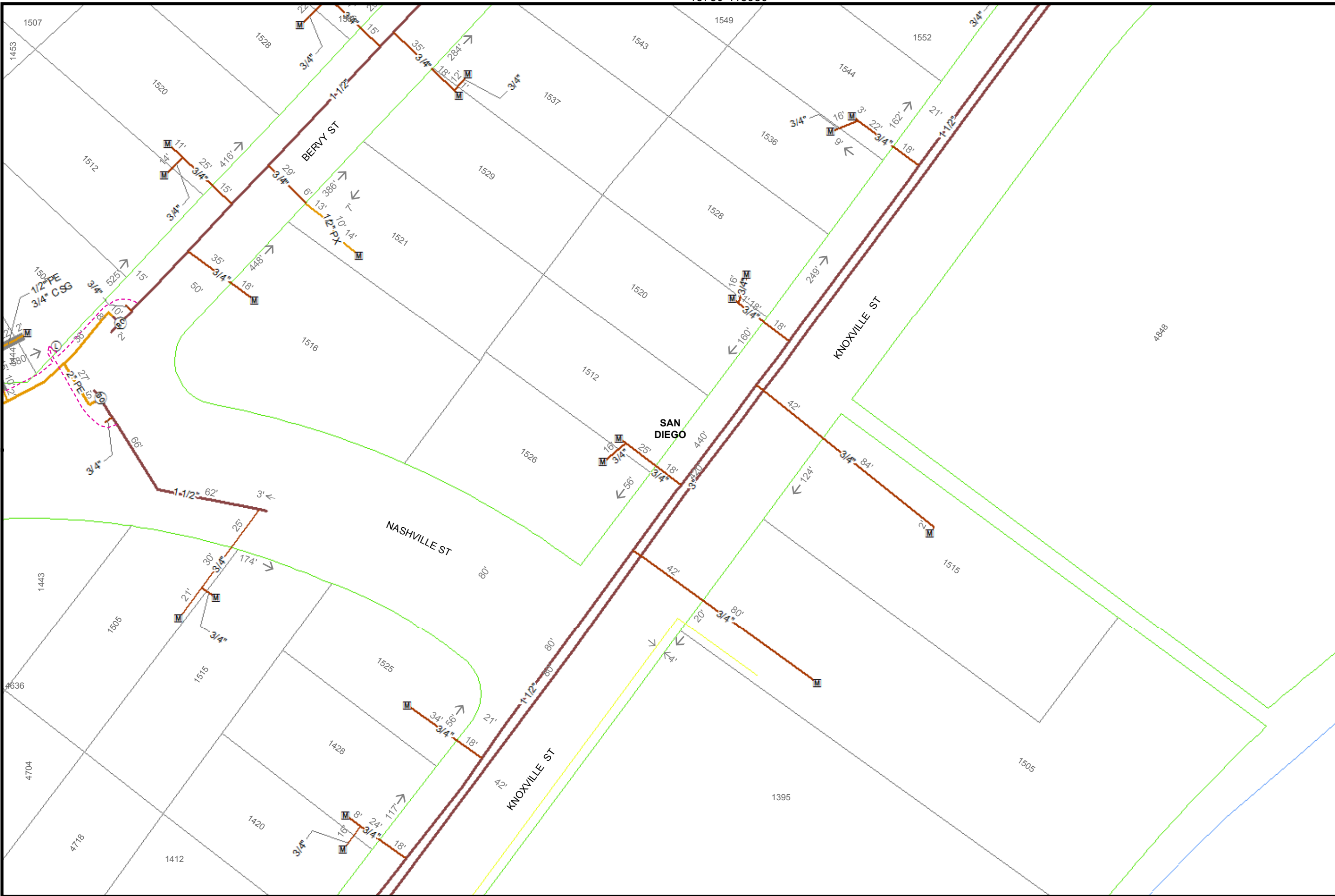
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Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	12/20/2017


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15780-118980

15772-118975




 40
 Feet

Map Number:	15780-118975
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	12/20/2017

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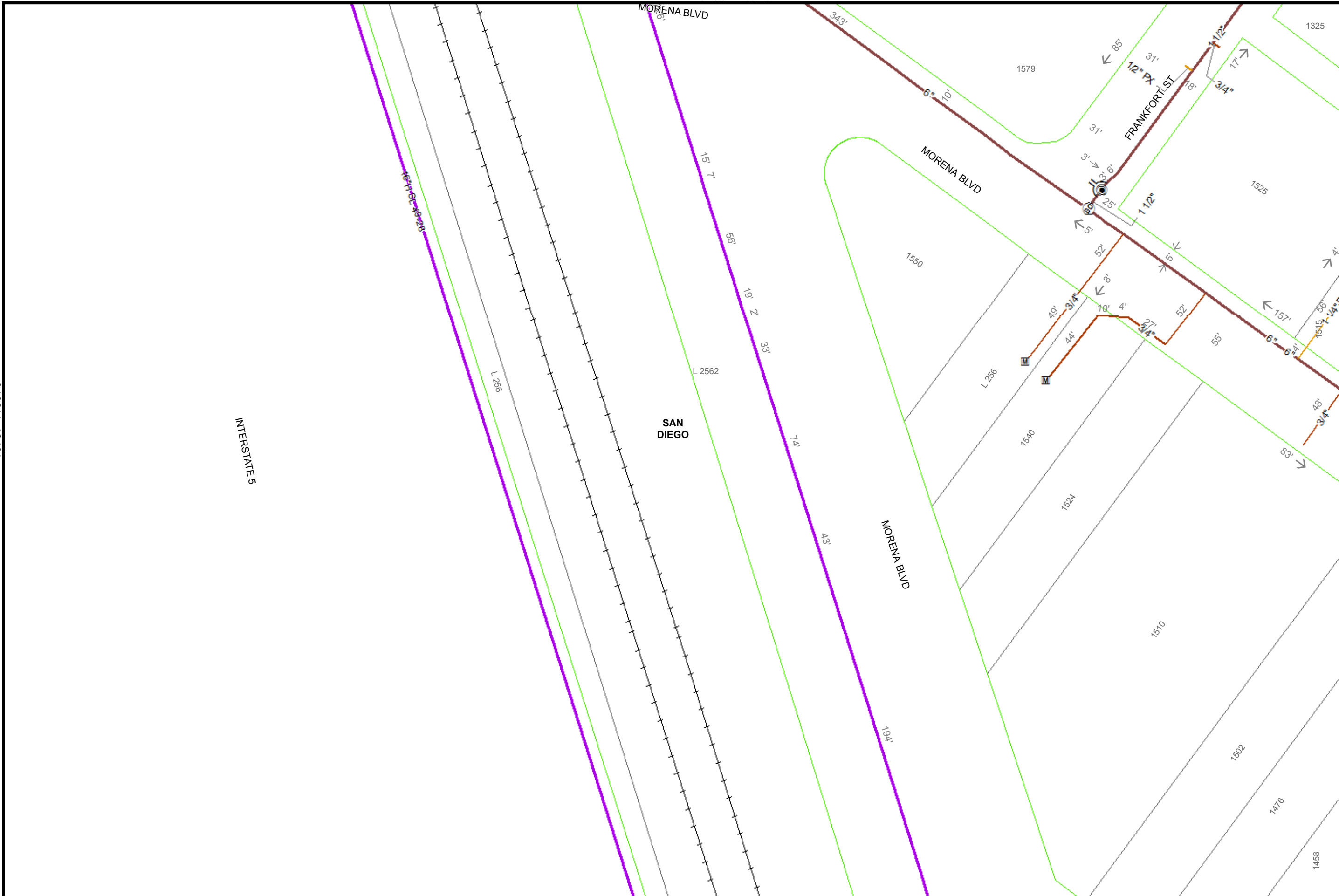


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15787-118975
118975

15757-118970

INTERSTATE 5



15765-118975

15765-118965



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Feet

Map Number: 15765-118970

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 12/20/2017

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APPENDIX T
ENGINEERED TRAFFIC CONTROL PLANS EXHIBITS



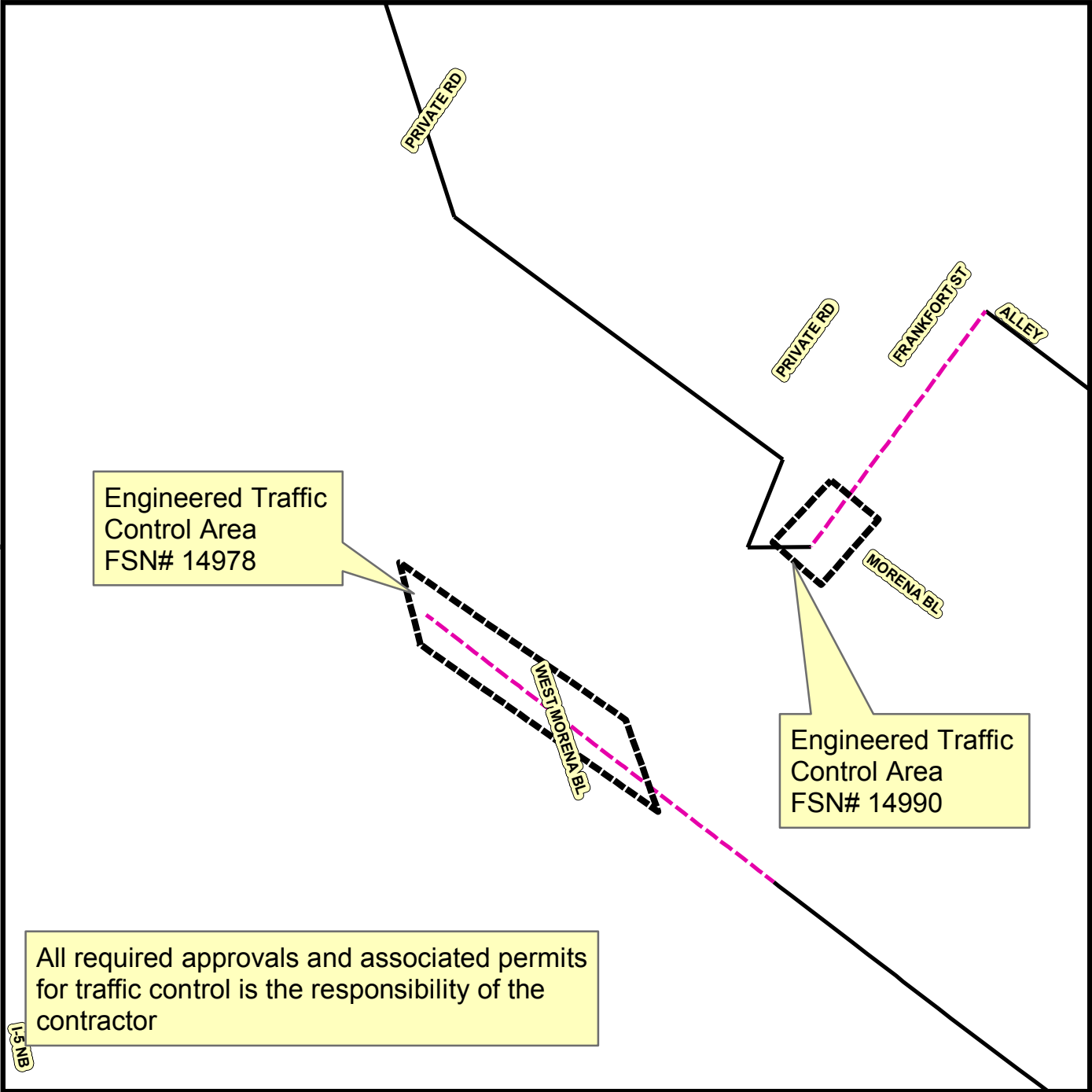
PIPELINE REHABILITATION AU-1

SENIOR ENGINEER
SHEILA BOSE
619-533-4698

PROJECT MANAGER
ELHAM LOTFI
619-533-5212

PROJECT ENGINEER
OMAR BELTRAN
619-533-4127

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



Legend

- PROPOSED SEWER REHABILITATION
- - - PROPOSED SEWER REHABILITATION WITH POINT REPAIR



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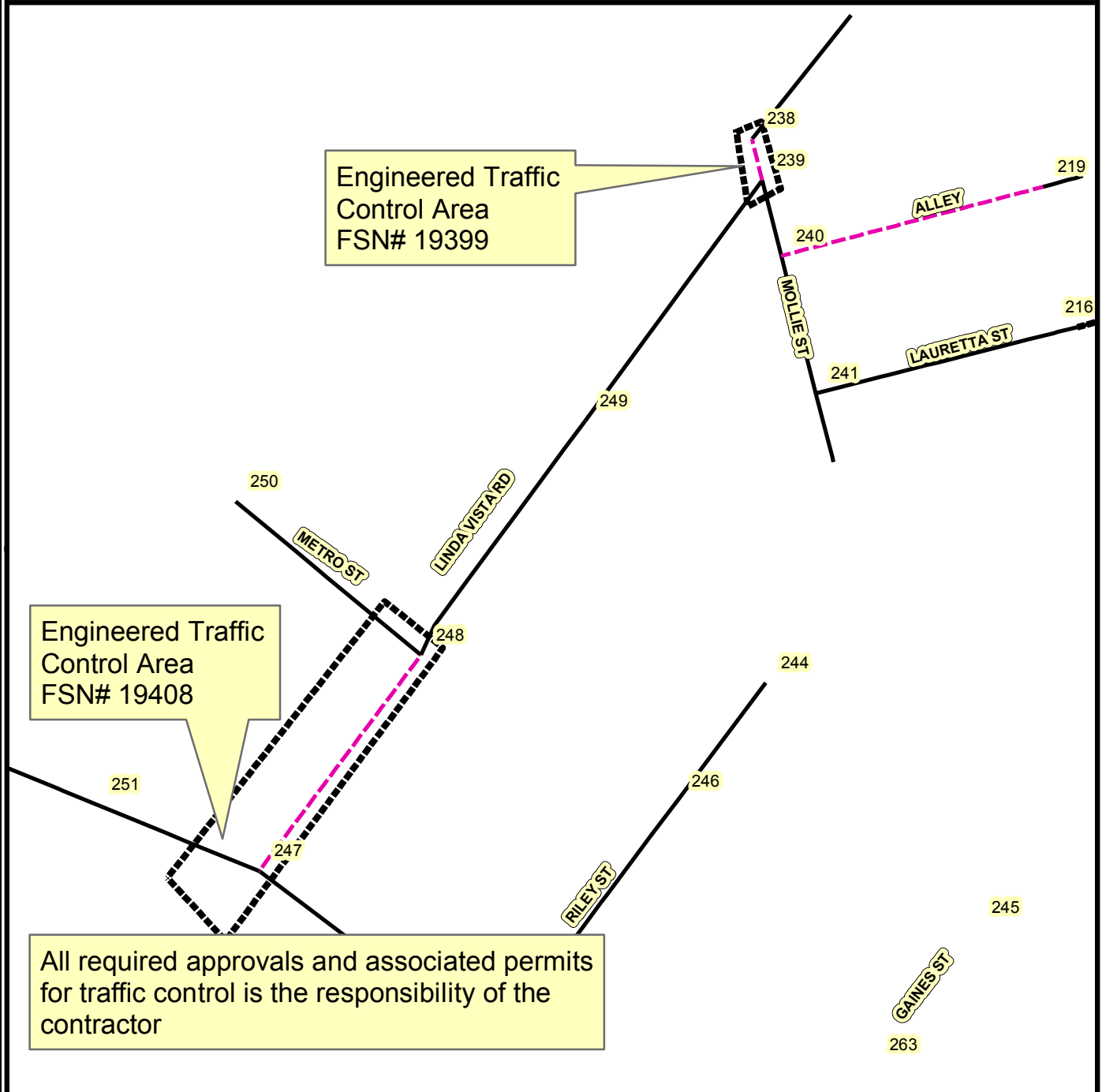
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APPENDIX U
STREET RESURFACING AREAS FOR POINT REPAIRS

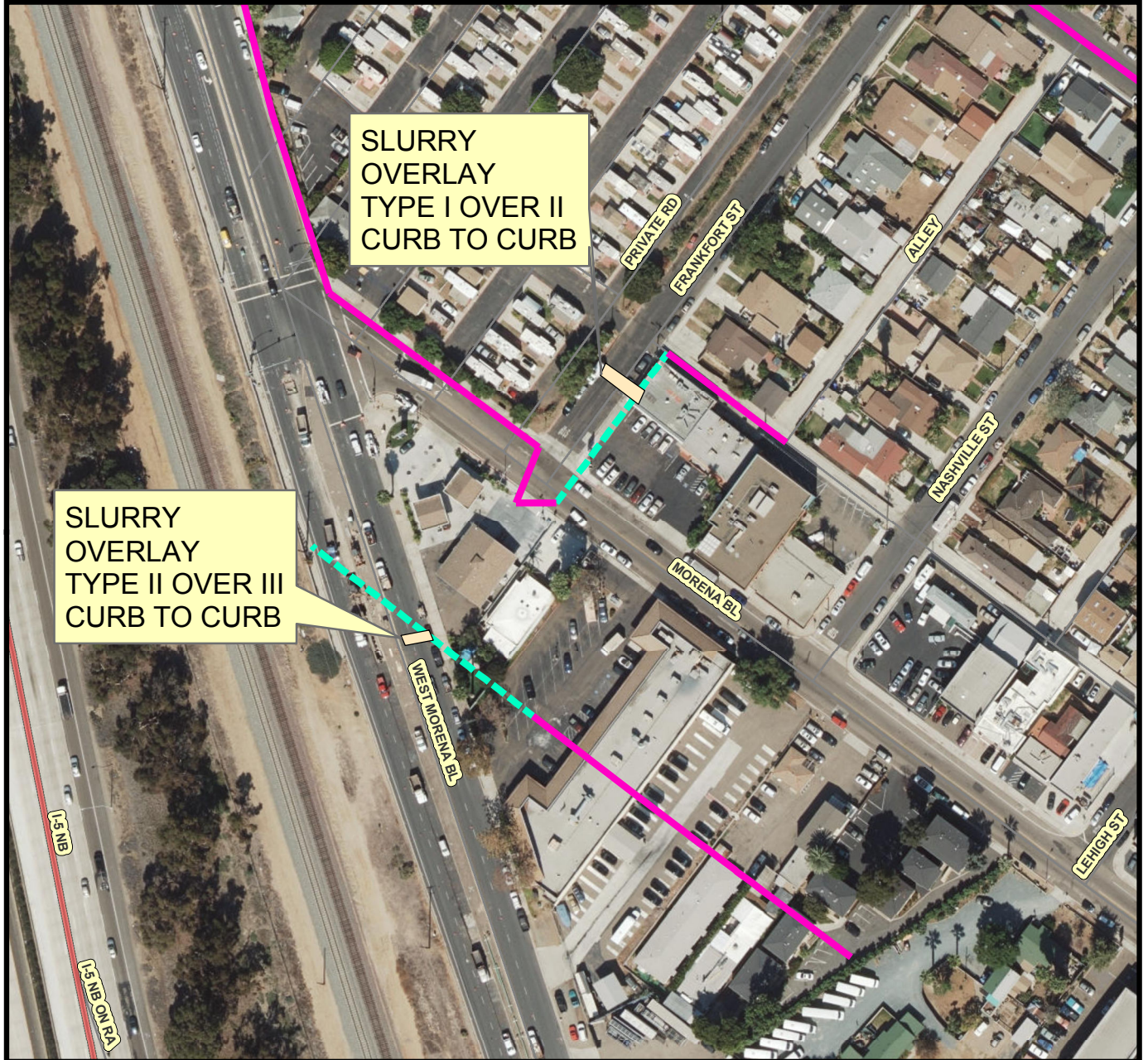
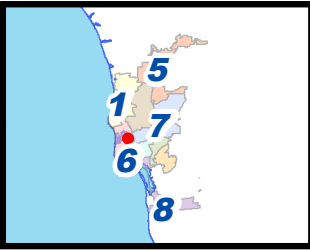
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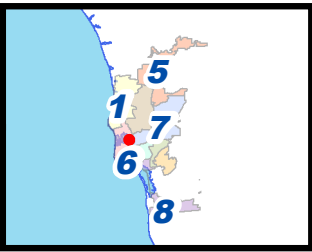
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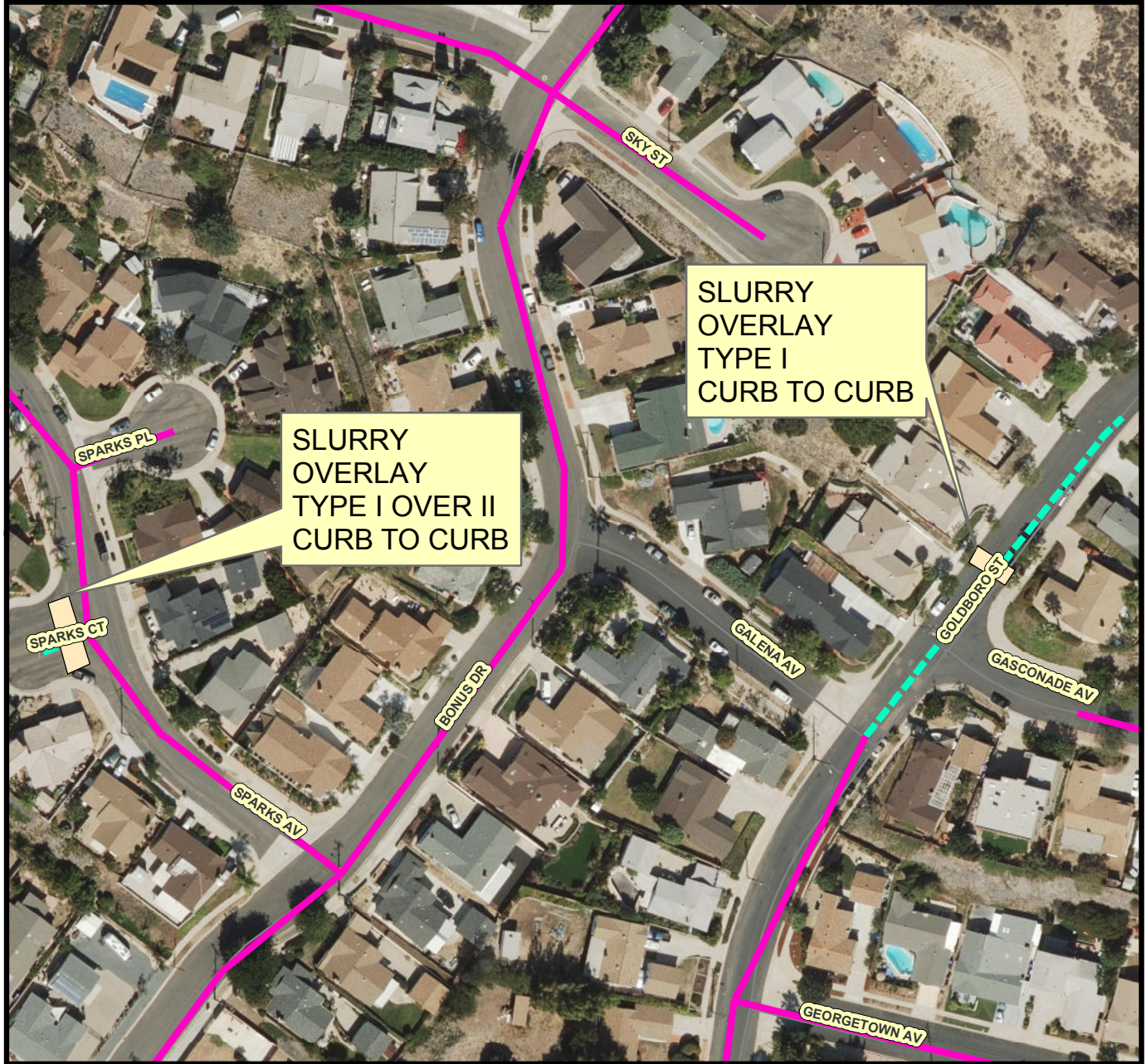
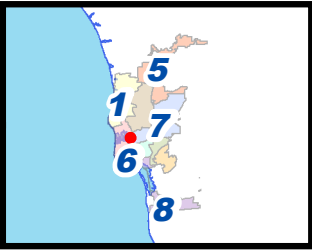
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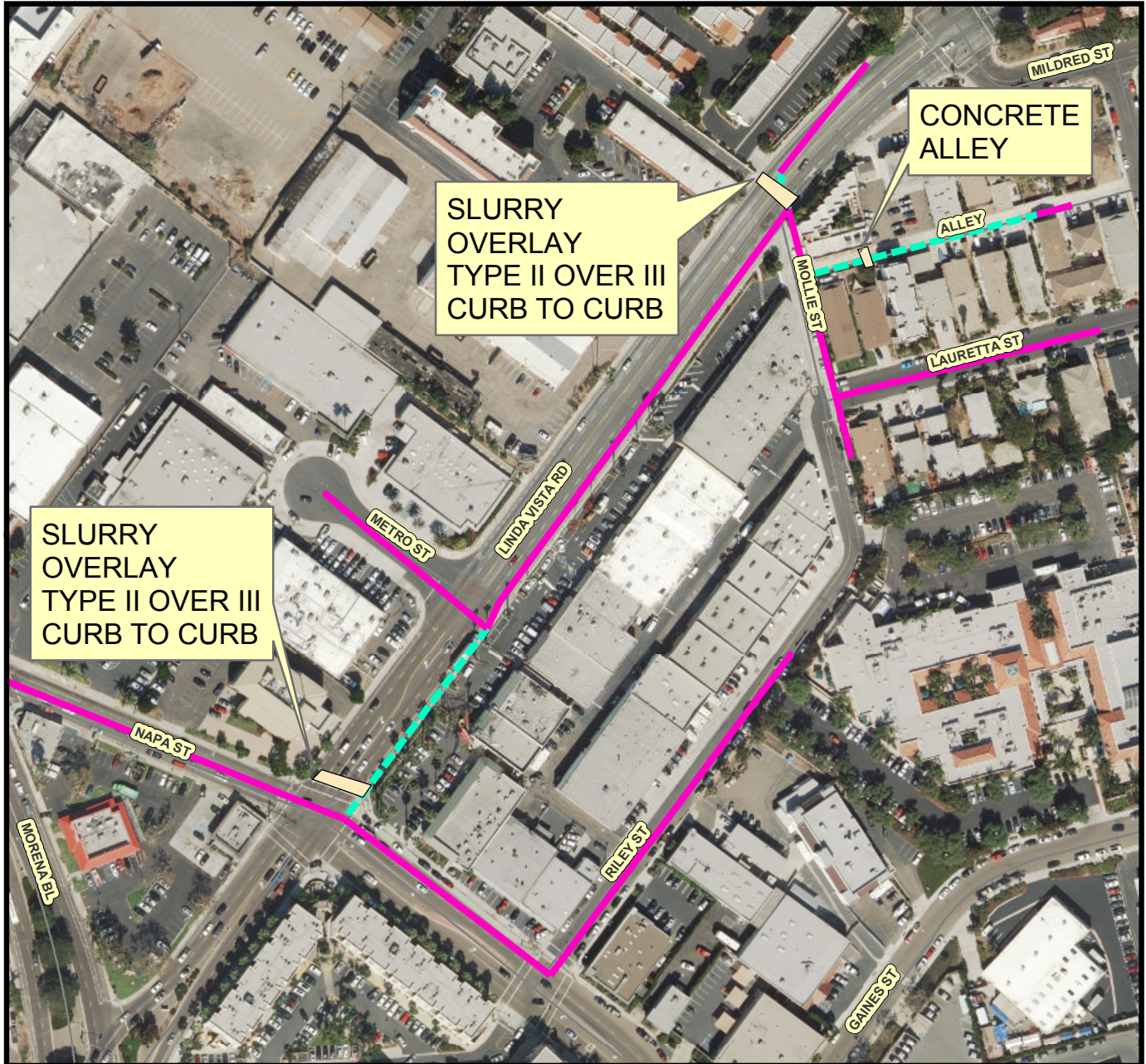
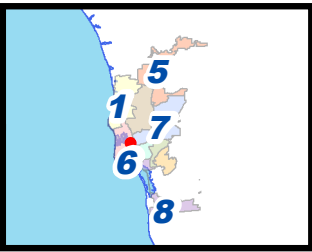
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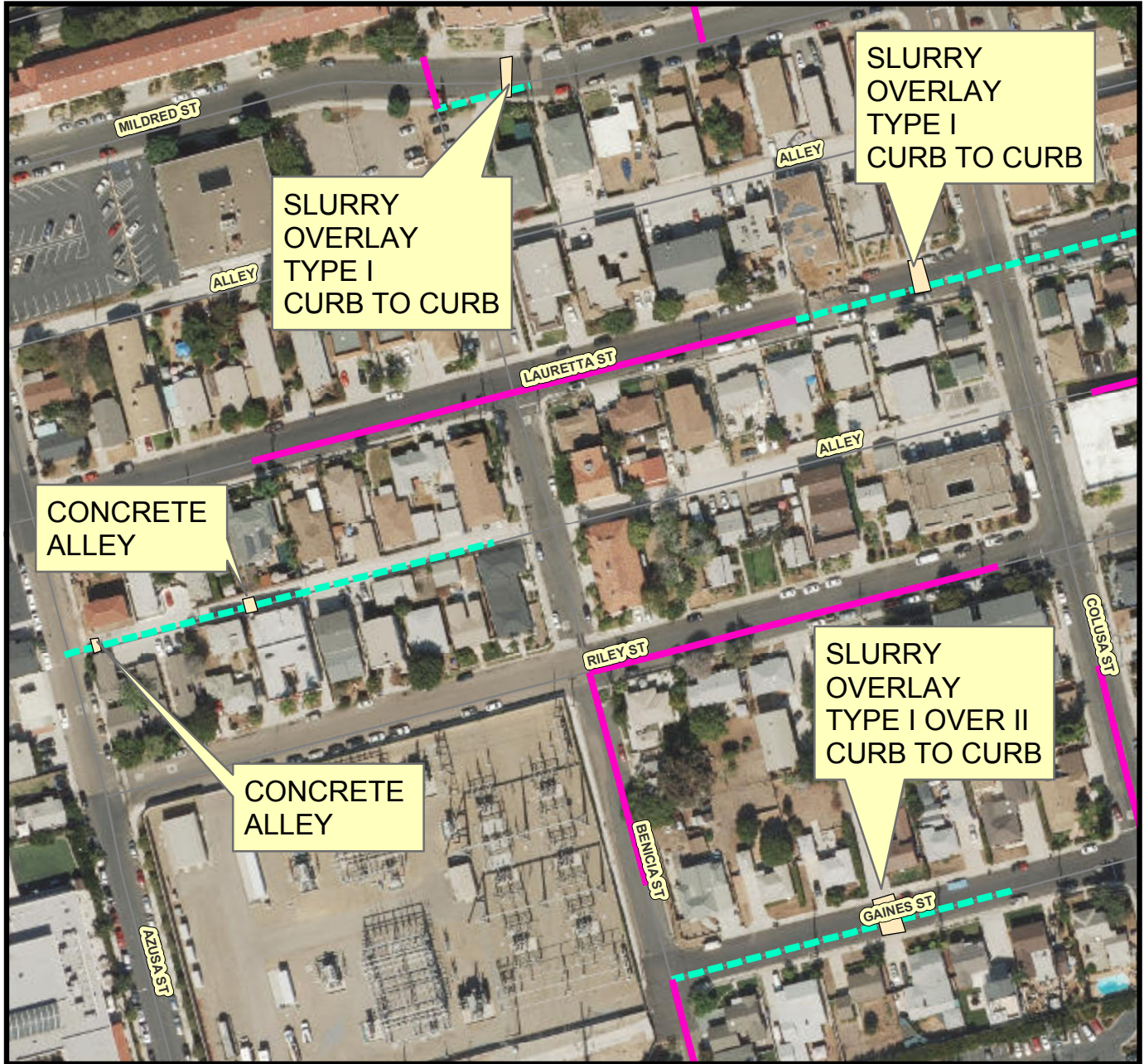
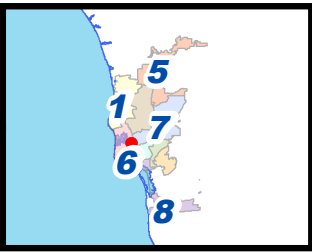
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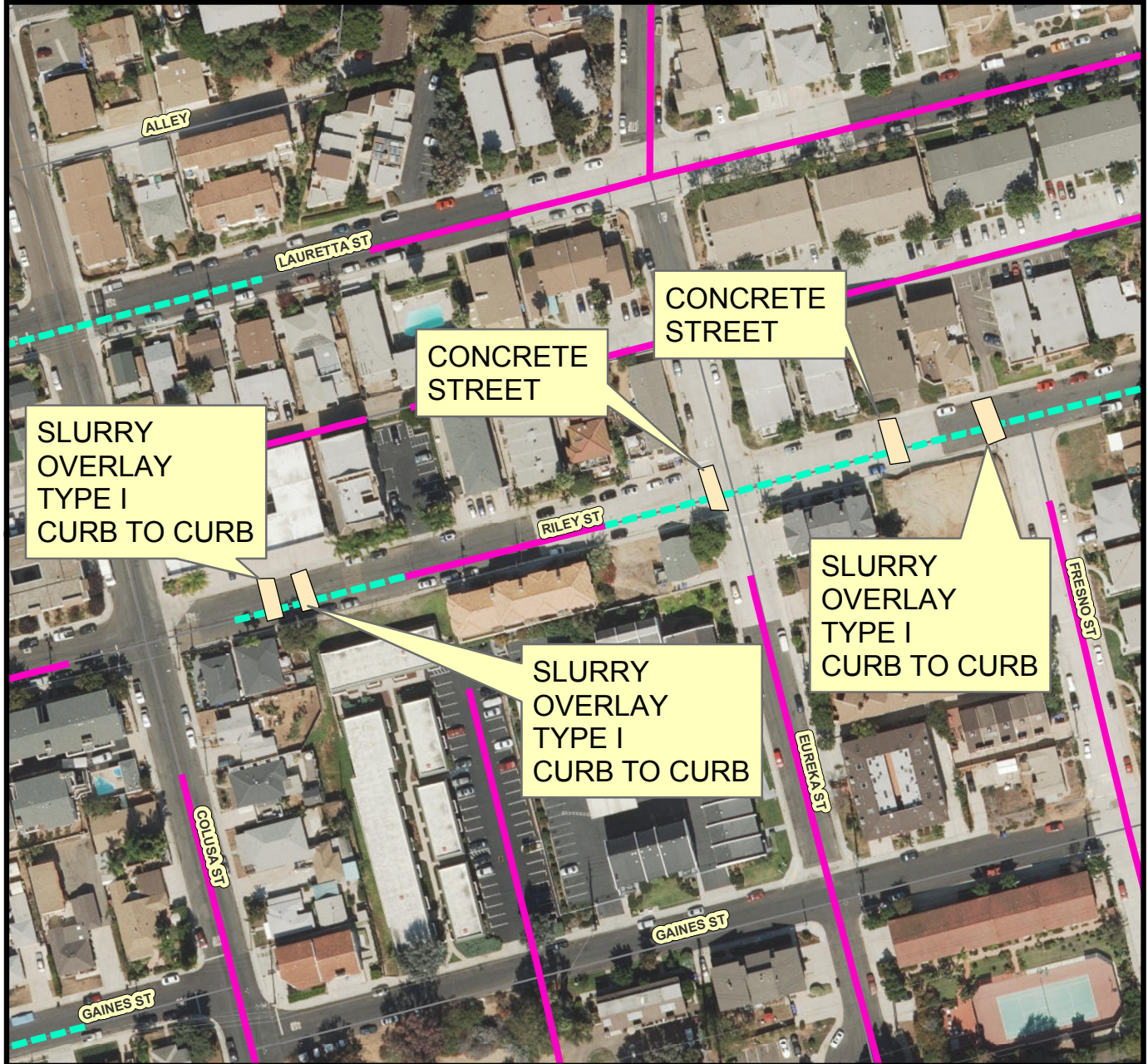
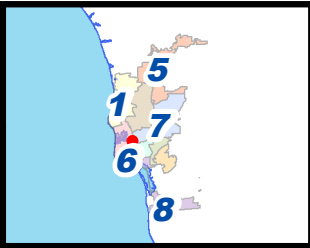
PIPELINE REHABILITATION AU-1

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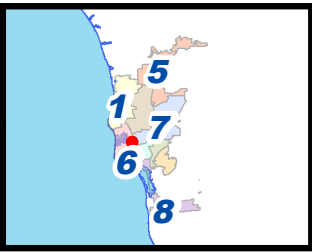
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ATTACHMENT F
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ATTACHMENT G
CONTRACT AGREEMENT

CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and Southwest Pipeline & Trenchless Corp., herein called "Contractor" for construction of **Pipeline Rehabilitation AU-1** Bid No. **K-19-1766-DBB-3**; in the amount of Three Million Three Hundred Twenty Six Thousand Six Hundred Eighteen Dollars and Ten Cents (\$3,326,618.10), which is comprised of the Base Bid alone.

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

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) Phased Funding Schedule Agreement.
 - (e) That certain documents entitled **Pipeline Rehabilitation AU-1**, on file in the office of the City Clerk/ Public Works Department as Document No. **B-18037**, as well as all matters referenced therein.
2. The Contractor shall perform and be bound by all the terms and conditions of this contract and in strict conformity therewith shall perform and complete in a good and workmanlike manner **Pipeline Rehabilitation AU-1** , Bid No. **K-19-1766-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
Public Works Department

Print Name: Pedro DeLara, Jr.
Deputy City Attorney

Date: 2/6/2019

Date: 2/13/19

CONTRACTOR

By 

Print Name: Justin Duchaineau

Title: President

Date: 12-18-2018

City of San Diego License No.: B2003006118

State Contractor's License No.: 773862-A

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000002176

CERTIFICATIONS AND FORMS

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

BIDDER'S GENERAL INFORMATION

To the City of San Diego:

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

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

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

State of California

County of San Diego

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

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

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

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

CONTRACTOR CERTIFICATION

AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

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

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

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

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

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

CONTRACTOR CERTIFICATION

EQUAL BENEFITS ORDINANCE CERTIFICATION

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

CONTRACTOR CERTIFICATION

EQUAL PAY ORDINANCE CERTIFICATION

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

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

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

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

AFFIDAVIT OF DISPOSAL

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

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

Pipeline Rehabilitation AU-1

(Project Title)

as particularly described in said contract and identified as Bid No. **K-19-1766-DBB-3**; SAP No. (WBS/IO/CC) **B-18037**; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

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

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

Dated this _____ DAY OF _____, _____.

By: _____
Contractor

ATTEST:

State of _____ County of _____

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

Notary Public in and for said County and State

LIST OF SUBCONTRACTORS

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

In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the California Public Contract Code (PCC), the Bidder is to list below the name, address and license number of each Subcontractor who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement, in an amount of or in excess of 0.5% of the Contractor's total Bid. Failure to comply with this requirement may result in the Bid being rejected as non-responsive. The Contractor is to list only one Subcontractor for each portion of the Work. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percentage of the Work to be performed with the Bidder's own forces. The Bidder is to also list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which the Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

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

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

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

ELECTRONICALLY SUBMITTED FORMS

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

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

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

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

BID BOND

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

KNOW ALL MEN BY THESE PRESENTS,

That Southwest Pipeline and Trenchless Corp. as Principal, and Liberty Mutual Insurance Company as Surety, are held and firmly bound unto The City of San Diego hereinafter called "OWNER," in the sum of **10% OF THE TOTAL BID AMOUNT** for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a Bid to said OWNER to perform the WORK required under the bidding schedule(s) of the OWNER's Contract Documents entitled

Pipeline Rehabilitation AU-1

NOW THEREFORE, if said Principal is awarded a contract by said OWNER and, within the time and in the manner required in the "Notice Inviting Bids" enters into a written Agreement on the form of agreement bound with said Contract Documents, furnishes the required certificates of insurance, and furnishes the required Performance Bond and Payment Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect. In the event suit is brought upon this bond by said OWNER and OWNER prevails, said Surety shall pay all costs incurred by said OWNER in such suit, including a reasonable attorney's fee to be fixed by the court.

SIGNED AND SEALED, this 12th day of October, 2018

Southwest Pipeline and Trenchless Corp. (SEAL)
(Principal)

Liberty Mutual Insurance Company (SEAL)
(Surety)

By: [Signature]
(Signature)

By: [Signature]
(Signature)
Noemi Quiroz, Attorney-in-Fact



(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

1

THE UNIVERSITY OF MICHIGAN LIBRARY

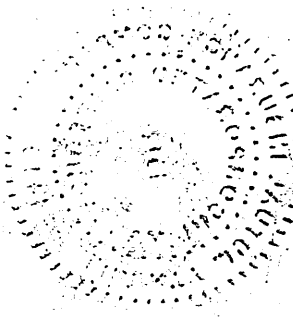
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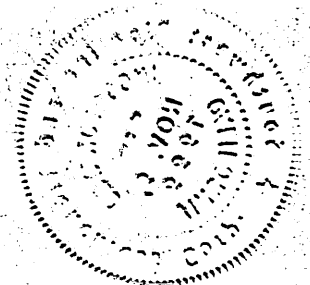
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CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

Civil Code § 1189

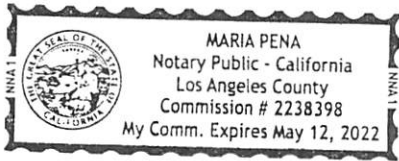
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

State of California)
) ss
County of Los Angeles)


On 10-12-18, before me, Maria Pena, Notary Public, personally appeared Noemi Quiroz, 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.



(Seal)

Signature: 
Maria Pena, Notary Public

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees. To confirm the validity of this Power of Attorney call 610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Noemi Quiroz of the city of Los Angeles, state of CA its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge the following surety bond:

Principal Name: Southwest Pipeline and Trenchless Corp.
Obligee Name: The City of San Diego
Surety Bond Number: Bid Bond Bond Amount: See Bond Form

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 6th day of March, 2017.



The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company
By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 6th day of March, 2017, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 12th day of October, 2018.



By: Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

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

CHECK ONE BOX ONLY.

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

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

Contractor Name: Southwest Pipeline & Trenchless Corp.

Certified By Justin Duchaineau Title President

Name

Signature

Date 11-5-2018

USE ADDITIONAL FORMS AS NECESSARY

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Southwest Pipeline & Trenchless Corp.

<u>Southwest Pipeline & Trenchless Corp.</u>			
Legal Name		DBA	
22118 S. Vermont Ave. ,	Torrance,	CA	90502
Street Address	City	State	Zip
Justin Duchaineau-President	310-329-8717	310-329-0981	
Contact Person, Title	Phone	Fax	

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

* The precise nature of the interest includes:

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

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

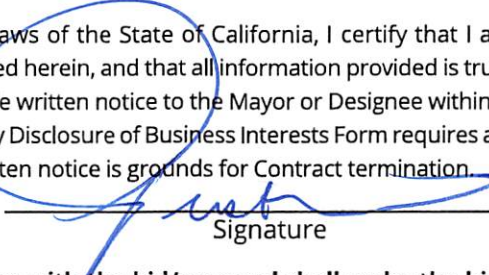
- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or
- directing or supervising the actions of persons engaged in the above activity.

Name	Title/Position
Justin Duchaineau-President	
City and State of Residence	Employer (if different than Bidder/Proposer)
Los Angeles, California	
Interest in the transaction	
Preparing and submitting the bid for purpose of contracting with the City of San Diego	

Name	Title/Position
Robert Bolger- Secretary	
City and State of Residence	Employer (if different than Bidder/Proposer)
Pasadena, California	
Interest in the transaction	

* Use Additional Pages if Necessary *

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

Print Name, Title	 Signature	11-5-2018 Date
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Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive. In the case of an informal solicitation, the contract will not be awarded unless a signed and completed Mandatory Disclosure of Business Interests Form is submitted.

SUBCONTRACTOR LISTING
(OTHER THAN FIRST TIER)

Pursuant to California Senate Bill 96 and in accordance with the requirements of Labor Code sections 1771.1 and 1725.5, by submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the California Department of Industrial Relations (DIR). **The Bidder is to list below the name, address, license number, DIR registration number of any (known tiered subcontractor) - who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement pursuant to the contract. If none are known at this time, mark the table below with non-applicable (N/A).**

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK
Name: <u>Tunnelworks Services</u> Address: <u>13502 -H Whittier Blvd # 165</u> City: <u>Whittier</u> State: <u>CA</u> Zip: <u>90605</u> Phone: <u>562 553 2734</u> Email: <u>Jeff@tunnelworksinc.com</u>	<u>Constructor</u>	<u>1000020031</u>	<u>963734</u>	<u>CCTV (Partial)</u>
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				

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

Bid Results**Bidder Details**

Vendor Name Southwest Pipeline and Trenchless Corp.
Address 22118 S. Vermont Avenue
 Torrance, CA 90502
 United States

Respondee Justin Duchaineau
Respondee Title President
Phone 310-329-8717 Ext. 104
Email justin@swpipeline.com

Vendor Type CADIR,PQUAL
License # 773862
CADIR 1000002176

Bid Detail

Bid Format Electronic
Submitted November 6, 2018 12:17:32 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 158279
Ranking 0

Respondee Comment**Buyer Comment****Attachments**

File Title	File Name	File Type
Contractor's Certification of Pending Actions	Contractor's Certification of Pending Actions.pdf	Contractors Certification of Pending Actions (Page 464)
Mandatory Disclosure of Business Interests	mandatory Disclosure of Business Interests Form.pdf	Mandatory Disclosure of Business Interests (Page 465)
Tiered Subs	AU-1 Tiered Sub.pdf	Subcontractor Listing Other Than First Tier (Page 466)
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	\$30,000.00	\$30,000.00	
2	Sewage Bypass and Pumping Plan (Diversion Plan)					
	237110	LS	1	\$26,000.00	\$26,000.00	
3	WPCP Development					
	541330	LS	1	\$600.00	\$600.00	
4	WPCP Implementation					
	237990	LS	1	\$1,000.00	\$1,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
5	Video Recording of Existing Conditions					
	238990	LS	1	\$1,500.00	\$1,500.00	
6	Mobilization					
	237110	LS	1	\$40,000.00	\$40,000.00	
7	Field Orders (EOC Type II)					
		AL	1	\$342,032.00	\$342,032.00	
8	Asphalt Pavement Repair					
	237310	TON	7	\$300.00	\$2,100.00	
9	Rubber Polymer Modified Slurry (RPMS) Type I					
	237310	SF	4796	\$2.85	\$13,668.60	
10	Rubber Polymer Modified Slurry (RPMS) Type II over Type III					
	237310	SF	720	\$12.10	\$8,712.00	
11	Rubber Polymer Modified Slurry (RPMS) Type I over Type II					
	237310	SF	3087	\$7.35	\$22,689.45	
12	Concrete Pavement (6 Inch thick) Alley					
	238910	CY	16	\$14.25	\$228.00	
13	Concrete Pavement "J" schedule 7" inch thick (Street)					
	238910	CY	34	\$625.00	\$21,250.00	
14	Crack Seal					
	237310	LB	362	\$14.25	\$5,158.50	
15	Contractor Date Stamps and Impressions					
	237310	EA	10	\$300.00	\$3,000.00	
16	Commercial Concrete Driveway					
	237310	SF	200	\$24.00	\$4,800.00	
17	Alley Apron					
	237310	SF	300	\$26.00	\$7,800.00	
18	Curb Ramp (Type D) with Stainless Steel Detectable Warning Tiles					
	237310	EA	2	\$3,600.00	\$7,200.00	
19	Pavement Restoration Adjacent to Trench					
	237310	SF	447	\$5.00	\$2,235.00	
20	Temporary Resurfacing					
	237310	TON	19	\$1.00	\$19.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
21	Manholes (4 ft x 3 ft)					
	237110	EA	8	\$10,000.00	\$80,000.00	
22	Sewer Main Cleanout					
	237110	EA	30	\$3,500.00	\$105,000.00	
23	Cleaning and video inspection of Pipelines (sewer mains)					
	237110	LF	38237	\$0.65	\$24,854.05	
24	Cleaning and video inspection of existing Laterals					
	237110	EA	718	\$1.00	\$718.00	
25	Video Inspection of Pipelines (sewer mains) for Acceptance					
	237110	LF	38237	\$0.50	\$19,118.50	
26	Removal of Traffic Striping and Curb Markings					
	237110	LF	600	\$3.00	\$1,800.00	
27	Striping					
	237310	LS	1	\$5,000.00	\$5,000.00	
28	Thermoplastic Traffic Striping					
	237110	LF	100	\$2.75	\$275.00	
29	Remove and replace Existing Sidewalk					
	237310	SF	80	\$40.00	\$3,200.00	
30	Cross Gutter					
	237310	SF	60	\$45.00	\$2,700.00	
31	Curb and Gutter (6 Inch Curb, Type G)					
	237310	LF	10	\$75.00	\$750.00	
32	Continental Crosswalks					
	237310	SF	2400	\$3.00	\$7,200.00	
33	Rehabilitate Sewer Main (8 Inch)					
	237110	LF	38237	\$21.00	\$802,977.00	
34	Point repair for existing sewer lateral 4"					
	237110	EA	23	\$1,800.00	\$41,400.00	
35	Point repair for existing Sewer Main (8 inch)					
	237110	EA	24	\$1,000.00	\$24,000.00	
36	Additional Point Repair for Existing Sewer Main (8 Inch)					
	237110	LF	56	\$85.00	\$4,760.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
37	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth, 4"					
	237110	EA	300	\$1,745.00	\$523,500.00	
38	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth, 6"					
	237110	EA	1	\$1,745.00	\$1,745.00	
39	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth, 4"					
	237110	EA	410	\$1,325.00	\$543,250.00	
40	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth, 6"					
	237110	EA	3	\$1,350.00	\$4,050.00	
41	Rehabilitate Existing Dropped Manhole					
	237110	EA	4	\$1,800.00	\$7,200.00	
42	Rehabilitate Existing Manhole					
	237110	EA	5	\$1,600.00	\$8,000.00	
43	Service Lateral Connection 6"					
	237110	EA	4	\$715.00	\$2,860.00	
44	Service Lateral Connection 4"					
	237110	EA	766	\$715.00	\$547,690.00	
45	Traffic Control Design (Engineered Traffic Control Plans)					
	541330	LS	1	\$3,500.00	\$3,500.00	
46	Traffic Control					
	237310	LS	1	\$6,500.00	\$6,500.00	
47	Additional Curb and Gutter Removal and Replacement					
	237310	LF	10	\$75.00	\$750.00	
48	Imported Backfill For Trench					
	237110	TON	24	\$22.00	\$528.00	
49	Painted Pavement Markings					
	237310	LS	1	\$2,500.00	\$2,500.00	
50	Rehabilitate Existing Manhole with point repair					
	237110	EA	8	\$1,350.00	\$10,800.00	
Subtotal					\$3,326,618.10	
Total					\$3,326,618.10	

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
American Asphalt South, Inc. PO Box 310036 14436 Santa Ana Ave Fontana, CA 92331 United States	Constructor- RPMS, Crack Seal	784969	1000000645	\$49,983.04	CAU,MALE,CADIR,P QUAL

Bid Results

Name & Address	Description	License Num	CADIR	Amount	Type
YBS CONCRETE INC. PO BOX 1197 CHULA VISTA, CA 91911 United States	Constructor- Curb Ramp, Misc. Concrete	885270	1000005182	\$25,700.00	LAT,MALE,SLBE,CA DIR
Easy Flow 14275 Crystal View Lane Poway, CA 92064 United States	Constructor-Clean and CCTV, Main Line Open Cut, Lateral Rehab, Lateral Cleanouts	960845	1000010925	\$1,396,852.55	CADIR,CAU,MALE, SLBE
Terra West, Inc 591 Telegraph Canyon Rd #713 Chula Vista, CA 91910 United States	Designer- WPCP	NA	1000007319	\$600.00	ELBE,DBE
Zebron Contracting, Inc P.O. Box 2874 Newport Beach, CA 92659 United States	Constructor- MH Rehab	855170	1000004993	\$24,380.00	
Payco Specialties, Inc. 120 North Second Ave Chula Vista, CA 91910-1127 United States	Constructor- Striping (partial), Continental Crosswalk, Remove Striping	298637	1000003515	\$11,175.00	DBE, WBE

Line Totals (Unit Price * Quantity)								
Item Num	Section	Item Code	Description	Reference	Unit of Measure	Quantity	Southwest Pipeline and Trenchless Corp. - Unit Price	Southwest Pipeline and Trenchless Corp. - Line Total
1	Main Bid	524126	Bonds (Payment and	2-4.1	LS	1	\$30,000.00	\$30,000.00
2	Main Bid	237110	Sewage Bypass and	7-8.5.4	LS	1	\$26,000.00	\$26,000.00
3	Main Bid	541330	WPCP Development	7-8.6.4.2	LS	1	\$600.00	\$600.00
4	Main Bid	237990	WPCP Implementati	7-8.6.4.2	LS	1	\$1,000.00	\$1,000.00
5	Main Bid	238990	Video Recording of E	7-9.1.1	LS	1	\$1,500.00	\$1,500.00
6	Main Bid	237110	Mobilization	9-3.4.1	LS	1	\$40,000.00	\$40,000.00
7	Main Bid		Field Orders (EOC Ty	9-3.5	AL	1	\$342,032.00	\$342,032.00
8	Main Bid	237310	Asphalt Pavement R	302-3.2	TON	7	\$300.00	\$2,100.00
9	Main Bid	237310	Rubber Polymer Mo	302-4.12.4	SF	4796	\$2.85	\$13,668.60
10	Main Bid	237310	Rubber Polymer Mo	302-4.12.4	SF	720	\$12.10	\$8,712.00
11	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type I over Type II	302-4.12.4	SF	3087	\$7.35	\$22,689.45
12	Main Bid	238910	Concrete Pavement (6 Inch thick) Alley	302-6.8	CY	16	\$14.25	\$228.00
13	Main Bid	238910	Concrete Pavement "J" schedule 7" inch thick (Street)	302-6.8	CY	34	\$625.00	\$21,250.00
14	Main Bid	237310	Crack Seal	302-14.5	LB	362	\$14.25	\$5,158.50
15	Main Bid	237310	Contractor Date Stamps and Impressions	303-5.9	EA	10	\$300.00	\$3,000.00
16	Main Bid	237310	Commercial Concrete Driveway	303-5.9	SF	200	\$24.00	\$4,800.00

17	Main Bid	237310	Alley Apron	303-5.9	SF	300	\$26.00	\$7,800.00
18	Main Bid	237310	Curb Ramp (Type D) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	2	\$3,600.00	\$7,200.00
19	Main Bid	237310	Pavement Restoration Adjacent to Trench	302-5.2.1	SF	447	\$5.00	\$2,235.00
20	Main Bid	237310	Temporary Resurfacing	306-15.9	TON	19	\$1.00	\$19.00
21	Main Bid	237110	Manholes (4 ft x 3 ft)	306-16.6	EA	8	\$10,000.00	\$80,000.00
22	Main Bid	237110	Sewer Main Cleanout	306-17.2	EA	30	\$3,500.00	\$105,000.00
23	Main Bid	237110	Cleaning and video inspection of Pipelines (sewer mains)	306-18.7	LF	38237	\$0.65	\$24,854.05
24	Main Bid	237110	Cleaning and video inspection of existing Laterals	306-18.7	EA	718	\$1.00	\$718.00
25	Main Bid	237110	Video Inspection of Pipelines (sewer mains) for Acceptance	306-18.7	LF	38237	\$0.50	\$19,118.50
26	Main Bid	237110	Removal of Traffic Striping and Curb Markings	314-2.3	LF	600	\$3.00	\$1,800.00
27	Main Bid	237310	Striping	314-4.3.7 and	LS	1	\$5,000.00	\$5,000.00
28	Main Bid	237110	Thermoplastic Traffic Striping	314-4.4.6	LF	100	\$2.75	\$275.00

29	Main Bid	237310	Remove and replace Existing Sidewalk	303-5.9	SF	80	\$40.00	\$3,200.00
30	Main Bid	237310	Cross Gutter	303-5.9	SF	60	\$45.00	\$2,700.00
31	Main Bid	237310	Curb and Gutter (6 Inch Curb, Type G)	303-5.9	LF	10	\$75.00	\$750.00
32	Main Bid	237310	Continental Crosswalks	314-4.4.6	SF	2400	\$3.00	\$7,200.00
33	Main Bid	237110	Rehabilitate Sewer Main (8 Inch)	500-1.1.9	LF	38237	\$21.00	\$802,977.00
34	Main Bid	237110	Point repair for existing sewer lateral 4"	500-1.2	EA	23	\$1,800.00	\$41,400.00
35	Main Bid	237110	Point repair for existing Sewer Main (8 inch)	500-1.2.7	EA	24	\$1,000.00	\$24,000.00
36	Main Bid	237110	Additional Point Repair for Existing Sewer Main (8 Inch)	500-1.2.7	LF	56	\$85.00	\$4,760.00
37	Main Bid	237110	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth, 4"	500-1.6.6	EA	300	\$1,745.00	\$523,500.00
38	Main Bid	237110	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth, 6"	500-1.6.6	EA	1	\$1,745.00	\$1,745.00

39	Main Bid	237110	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth, 4"	500-1.6.6	EA	410	\$1,325.00	\$543,250.00
40	Main Bid	237110	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth, 6"	500-1.6.6	EA	3	\$1,350.00	\$4,050.00
41	Main Bid	237110	Rehabilitate Existing Dropped Manhole	500-2.10.2	EA	4	\$1,800.00	\$7,200.00
42	Main Bid	237110	Rehabilitate Existing Manhole	500-2.10.2	EA	5	\$1,600.00	\$8,000.00
43	Main Bid	237110	Service Lateral Connection 6"	500-4.9	EA	4	\$715.00	\$2,860.00
44	Main Bid	237110	Service Lateral Connection 4"	500-4.9	EA	766	\$715.00	\$547,690.00
45	Main Bid	541330	Traffic Control Design (Engineered Traffic Control Plans)	601-6	LS	1	\$3,500.00	\$3,500.00
46	Main Bid	237310	Traffic Control	601-6	LS	1	\$6,500.00	\$6,500.00
47	Main Bid	237310	Additional Curb and Gutter Removal and Replacement	303-5.9	LF	10	\$75.00	\$750.00
48	Main Bid	237110	Imported Backfill For Trench	306-15.12	TON	24	\$22.00	\$528.00
49	Main Bid	237310	Painted Pavement Markings	314-4.3.7	LS	1	\$2,500.00	\$2,500.00

50	Main Bid	237110	Rehabilitate Existing Manhole with point repair	500-2.11.6	EA	8	\$1,350.00	\$10,800.00
							Subtotal	\$3,326,618.10
							Total	\$3,326,618.10