

ORIGINAL

City of San Diego

CONTRACTOR'S NAME: Burtech Pipeline Incorporated
ADDRESS: 102 Second Street, Encinitas, CA 92024
TELEPHONE NO.: (760) 634-2822 FAX NO.: (760) 634-2415
CITY CONTACT: Michelle Muñoz, Contract Specialist, Email: MichelleM@sandiego.gov
Phone No. (619) 533-3482, Fax No. (619) 533-3633
J.Gallardo/A.Jaro/mlw

BIDDING DOCUMENTS



FOR

Pipeline Rehabilitation AM-1

BID NO.: K-17-1498-DBB-3
SAP NO. (WBS/IO/CC): B-16002
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 6
PROJECT TYPE: JA

THIS CONTRACT WILL BE SUBJECT TO THE FOLLOWING:

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

BID DUE DATE:

2:00 PM

SEPTEMBER 9, 2016

CITY OF SAN DIEGO

PUBLIC WORKS CONTRACTS

1010 SECOND AVENUE, 14th FLOOR, MS 614C

SAN DIEGO, CA 92101

ENGINEER OF WORK

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

S. Bose

1) For City Engineer

7/26/16

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 AM-1**. For additional information refer to Attachment A.
2. **FULL AND OPEN COMPETITION:** This contract is open to full competition and may be bid on by Contractors who are on the City's current Prequalified Contractors' List. For information regarding the Contractors Prequalified list visit the City's website: <http://www.sandiego.gov>.
3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$4,600,000**.
4. **BID DUE DATE AND TIME ARE: SEPTEMBER 9, 2016 at 2:00 PM**
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
6. **LICENSE REQUIREMENT:** The City has determined that the following licensing classification(s) are required for this contract: Class A or C34
7. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract.
 - 7.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

| | |
|----------------------------------|--------------|
| 1. SLBE participation | 6.5% |
| 2. ELBE participation | 15.8% |
| 3. Total mandatory participation | 22.3% |
 - 7.2. The Bid may be declared non-responsive if the Bidder fails to meet the following requirements:
 - 7.2.1. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; **OR**
 - 7.2.2. Submit Good Faith Effort documentation, saved in searchable Portable Document Format (PDF) and stored on Compact Disc (CD) or Digital Video Disc (DVD), demonstrating the Bidder made a good faith effort to outreach to and include SLBE-ELBE Subcontractors required in this document within 3 Working Days of the Bid opening if the overall mandatory participation percentage is not met.

8. PRE-BID MEETING:

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

Date: August 23, 2016
Time: 10:00 AM
Location: 1010 Second Avenue, Suite 1400, San Diego, CA 92101

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

9. AWARD PROCESS:

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

10. SUBMISSION OF QUESTIONS:

- 10.1.** The 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. All questions related to this solicitation shall be submitted to:

Public Works Contracts

1010 Second Avenue, 14th Floor
San Diego, California, 92101
Attention: Michelle Muñoz

OR:

MichelleM@sandiego.gov

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

INSTRUCTIONS TO BIDDERS

1. PREQUALIFICATION OF CONTRACTORS:

- 1.1. Contractors submitting a Bid must be pre-qualified for the total amount proposed, including all alternate items, prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified may be deemed **non-responsive** and ineligible for award. Complete information and links to the on-line prequalification application are available at:

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

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

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

- 2.1. **BIDDERS MUST BE PRE-REGISTERED** with the City's bidding system and possess a system-assigned Digital ID in order to submit an electronic bid.
- 2.2. The City's bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City's bidding system will keep a history of every login instance including the time of login, and other information about the user's computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers' cookies will not be able to log in and use the City's bidding system.
- 2.3. The City's electronic bidding system is responsible for bid tabulations. Upon the bidder's or proposer's entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.
- 2.4. BIDS REMAIN SEALED UNTIL BID DEADLINE. eBids are transmitted into the City's bidding system via hypertext transfer protocol secure (https) mechanism using SSL 128-256 bit security certificates issued from Verisign/Thawte which encrypts data being transferred from client to server. Bids submitted prior to the "Bid Due Date and Time" are not available for review by anyone other than the submitter which has until the "Bid Due Date and Time" to change, rescind or retrieve its proposal should it desire to do so.

- 2.5. **BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME.** Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results on line. City staff may then begin reviewing the submissions for responsiveness, 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 in the cover of this solicitation at least five (5) working days prior to the Bid/Proposal due date to ensure availability.

3. **ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT**

- 3.1. The bidder, by submitting its electronic bid, acknowledges that doing so carries the same force and full legal effect as a paper submission with a longhand (wet) signature.
- 3.2. By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.
- 3.3. The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certification, forms and affidavits submitted as part of this bid are true and correct.
- 3.4. The Bidder agrees to the construction of the project as described in Attachment "A-Scope of Work" for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days (90 days for federally funded contracts and contracts valued at \$500,000 or less) from the date of Bid opening. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent.

4. **BIDS ARE PUBLIC RECORDS:** Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.

5. **CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:**

5.1. **Prior** to the Award of the Contract or Task Order, you and your Subcontractors and Suppliers must register with the City's web-based vendor registration and bid management system. For additional information go to:

<http://www.sandiego.gov/purchasing/bids-contracts/vendorreg.shtml>.

| Title | Edition | Document Number |
|--|--|-----------------|
| Standard Specifications for Public Works Construction ("The GREENBOOK") | 2015 | PWPI070116-01 |
| City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")* | 2015 | PWPI070116-02 |
| Title | Edition | Document Number |
| City of San Diego Standard Drawings* | 2016 | PWPI070116-03 |
| Caltrans Standard Specifications | 2010 | PITS070112-04 |
| Caltrans Standard Plans | 2010 | PITS070112-05 |
| California MUTCD | 2012 | PITS070112-06 |
| City Standard Drawings - Updates Approved For Use (when specified)* | Varies | Varies |
| Standard Federal Equal Employment Opportunity Construction Contract Specifications and the Equal Opportunity Clause Dated 09-11-84 | 1984 | 769023 |
| NOTE: | *Available online under Engineering Documents and References at: http://www.sandiego.gov/publicworks/edocref/index.shtml | |

- 5.2. The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.
6. **JOINT VENTURE CONTRACTORS:** Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 10 Working Days after receiving the Contract forms. See 2-1.1.2, "Joint Venture Contractors" in The WHITEBOOK for details.
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:
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 addendum are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda at the time of bid submission.
12. **CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.
13. **CONTRACT PRICING:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein. The Bidder agrees to perform construction services for the City of San Diego in accordance with these contract documents for the prices listed below. The Bidder further agrees to guarantee the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee may be extended, by mutual consent of the parties, by the number of days required for the City to obtain all items necessary to fulfill all contractual conditions.

14. SUBCONTRACTOR INFORMATION:

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

Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.

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

14.3. **LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES.** For subcontractors or suppliers to be used on additive or deductive alternate items, in addition to the above requirements, bidder shall further note "ALTERNATE" and alternate item number within the description.

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

16. AWARD PROCESS:

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):**
 - 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 Pledge of Compliance.
- 26.4. The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 26.5. Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 26.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 26.7. The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.
27. **PRE-AWARD ACTIVITIES:**
- 27.1. The contractor selected by the City to execute a contract for this Work shall submit the required documentation as specified in the herein and in the Notice of Award. Failure to provide the information as specified may result in the Bid being rejected as **non-responsive**.
- 27.2. The decision that bid is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

Burtech Pipeline Incorporated, a corporation, as principal, and NORTH AMERICAN SPECIALTY INSURANCE COMPANY, a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of Four Million Six Hundred Sixty Four Thousand One Hundred Twenty Five Dollars and 10/100 (\$4,664,125.10) for the faithful performance of the annexed contract, and in the sum of Four Million Six Hundred Sixty Four Thousand One Hundred Twenty Five Dollars and 10/100 (\$4,664,125.10) 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 OCTOBER 11, 2016

Approved as to Form

BURTECH PIPELINE, INCORPORATED

Principal

By  _____

DOMINIC J. BURTECH, JR., PRESIDENT

Printed Name of Person Signing for Principal

Jan I. Goldsmith, City Attorney

By  _____

Deputy City Attorney

NORTH AMERICAN
SPECIALTY INSURANCE COMPANY

Surety

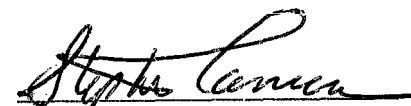
By  _____

MARK D. IATAROLA,
Attorney-in-fact

Approved:

6 HUTTON CENTRE DRIVE, SUITE 850

Local Address of Surety

By:  _____

Stephen Samara
Principal Contract Specialist
Public Works Department

SANTA ANA, CA 92707

Local Address (City, State) of Surety

714/550-7799

Local Telephone No. of Surety

Premium \$ 30,386.00

Bond No. 2220312

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

California Acknowledgment Form

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

State of California }
County of San Diego } ss.

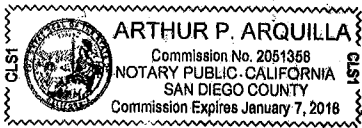
On 10/12/16 before me, Arthur P. Arquilla, Notary Public
(here insert name and title of the officer)
personally appeared Dominic Burtch

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

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

Seal

WITNESS my hand and official seal.



Arthur P. Arquilla
Signature of Notary

Optional Information

To help prevent fraud, it is recommended that you provide information about the attached document below.

This is not required under California State notary public law.

Document Title: _____ # of Pages: _____

Notes

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189



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

State of California)
County of SAN DIEGO)
On 10/11/2016 before me, MICHELLE M. BASUIL, NOTARY PUBLIC,
Date Here Insert Name and Title of the Officer
personally appeared MARK D. IATAROLA
Name(s) of Signer(s)

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

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

WITNESS my hand and official seal.



Signature Michelle M. Basuil
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document

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

Capacity(ies) Claimed by Signer(s)

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

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



NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY

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

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

and MARK D. IATAROLA

JOINTLY OR SEVERALLY

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

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

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

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

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



By

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



By

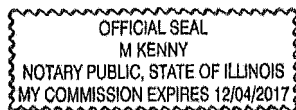
Michael A. Ito, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company

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

North American Specialty Insurance Company
Washington International Insurance Company

State of Illinois ss:
County of Cook

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



M. Kenny, Notary Public

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

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 11th day of OCTOBER, 2016.

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

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** This project proposes to rehabilitate 41,127 linear feet (LF) (7.8 miles) of existing sewer main with trenchless technology within existing pipes 4' – 6' deep, 3' wide. The project includes replacement-in-place 528 LF (0.10 mi) of existing 8-in VC sewer main within existing trenches 8' – 12' deep, 3' wide. This project includes point repairs on 7 segments of existing right-of-way (ROW) and six segments of existing non-ROW sewer mains prior to rehabilitating the main. A total of 26 existing sewer manholes within the improved ROW and one existing sewer manhole on non-ROW (no excavation required) will be rehabilitated. A total of 7 existing sewer manholes within the improved ROW will be replace-in-place. A total of 37 new sewer main cleanouts will be installed. Related work would include the installation of curb ramps.

1.1. The Work shall be performed in accordance with:

1.1.1. The Notice Inviting Bids, Appendix E, Location Maps and Appendices H, I, J, K and L.

2. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$4,600,000**.

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

SEE LOCATION MAP. APPENDIX E.

4. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **300 Working Days**.

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

4.2. The City has determined that the following licensing classification(s) are required for this contract:

| Option | Classification(s) |
|--------|-------------------|
| 1 | CLASS A |
| 2 | CLASS C34 |

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

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

1. PHASED FUNDING:

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

PHASED FUNDING SCHEDULE AGREEMENT

Check one:

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

PROPOSAL NUMBER: K-17-1498-DBB-3


CONTRACT OR TASK TITLE: PIPELINE REHABILITATION AM-1

CONTRACTOR: BURTECH PIPELINE INCORPORATED.

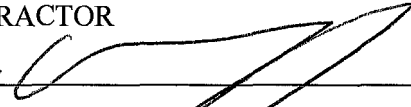
| Funding Phase | Phase Description | Phase Start | Phase Finish | Not-to-Exceed Amount |
|----------------------|---|-------------------------|----------------------------|-----------------------------|
| 1 | Rehab approximately 4.8 miles and replace approximately 0.10 miles of existing VC sewer mains. Installation includes sewer laterals, manholes, cleanouts and rehabilitation of sewer laterals and manholes. In addition, installing curb ramps, street resurfacing, traffic control plans and all other work and appurtenances. The Work shall be performed in accordance with: (Pages 79-163 of the Specifications) | Notice to Proceed | 08/31/2017 | \$3,000,000.00 |
| 2 | Rehab approximately 3.0 miles of existing VC sewer mains. Installation includes sewer laterals, manholes, cleanouts and rehabilitation of sewer laterals and manholes. In addition, installing curb ramps, street resurfacing, traffic control plans and all other work and appurtenances. The Work shall be performed in accordance with: (Pages 79-163 of the Specifications) | 09/01/2017 | Notice of Completion | \$1,664,125.10 |
| Total | | | | \$4,664,125.10 |

Notes:

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

CITY OF SAN DIEGO
 By: 
 Name: Jericho Gallardo
 Project Manager

Department Name: Public Works - Engineering
 Date: 10/11/2016

CONTRACTOR
 By: 
 Name: DOMINIC J BURTECH

Title: PRESIDENT & CEO
 Date: 10/10/2016

-END OF PHASED FUNDING SCHEDULE AGREEMENT-

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.
 - 1.3. **Payroll Records.** Contractor and its subcontractors shall comply with California

Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.

1.3.1. For contracts entered into on or after April 1, 2015, Contractor and their subcontractors shall furnish records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.

1.4. Apprentices. Contractor and its subcontractors shall comply with California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning the employment and wages of apprentices. Contractor is held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.

1.5. Working Hours. Contractor and their subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on design professionals and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.

1.6. Required Provisions for Subcontracts. Contractor shall include at a minimum a copy of the following provisions in any contract they enter into with a subcontractor: California Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.

1.7. Labor Code Section 1861 Certification. Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."

1.8. Labor Compliance Program. The City has its own Labor Compliance Program authorized in August 2011 by the DIR. The City will withhold contract payments when payroll records are delinquent or deemed inadequate by the City or other governmental entity, or it has been established after an investigation by the City or other governmental entity that underpayment(s) have occurred. For questions or assistance, please contact the City of San Diego's Equal Opportunity Contracting Department at 619-236-6000.

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

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

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

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

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

SECTION 2 - SCOPE AND CONTROL OF WORK

2-3.2 Self Performance. DELETE in its entirety and SUBSTITUTE with the following:

1. You shall perform, with your own organization, Contract Work amounting to at least 30% of the base Bid alone or base Bid and any additive or deductive alternates that, when added or deducted together, form the basis of award.

2-14.3 Coordination. To the City Supplement, ADD the following:

2. Other adjacent City projects are scheduled for construction for the same time period in the vicinity of Pipeline Rehabilitation AM-1. See Appendix "F" for the approximate location. Coordinate the Work with the adjacent projects as listed below:
 - a) Water Group Job 936, Daniel Tittle, 619-533-7468
 - b) Sewer Lateral Rehab Project J-2, Maryam Liaghat, 619-533-5192
 - c) MT. Acadia Blvd UU621, James Bajet, 619-533-3049

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

SECTION 4 - CONTROL OF MATERIALS

4-1.3.5 Special Inspection. To the City Supplement, ADD the following:

5. The payment for special inspection Work specified under this section shall be paid in accordance with 4-3.4.1, "Payment".

4-1.3.6 Preapproved Materials. To the City Supplement, 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 City Supplement, ADD the following:

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

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

SECTION 5 – UTILITIES

5-2 PROTECTION. To the City Supplement, item 2, ADD the following:

- g) Refer to Appendix “G” for more information on the protection of AMI devices.

SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

6-2.1 Moratoriums. To the City Supplement, ADD the following:

3. Do not Work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed here:
 - a) MAP 36 FSN 21887, FSN 21891 & FSN 21896 from 02/18/2015 to 02/20/2020 (inclusive).
 - b) MAP 37 FSN 21955 from 02/18/2015 to 02/20/2020 (inclusive).
 - c) MAP 38 FSN 21951 from 02/18/2015 to 02/20/2020 (inclusive)

ADD:

6-3.2.1.1 Environmental Document.

1. The City of San Diego Public Works Department has prepared a **Notice of Exemption** for **Pipeline Rehabilitation AM-1**, as referenced in the Contract Appendix. You shall comply with all requirements of the Notice of Exemption as set forth in **Appendix A**.
2. Compliance with the City's environmental document shall be included in the Contract Price.

6-7 TIME OF COMPLETION. To the City Supplement, ADD the following:

2. You shall complete the liner installation of all segments of sewer mains and the lateral reinstatements as verified by the Engineer within “200” Working Days from the date of NTP. Complete the remaining Work as part

of this project, including lateral lining and post-lining CCTV video, within the remaining number of Working Days.

6-7.1 General. To the City Supplement, item 3, ADD the following:

- d) 30 Days for full depth asphalt final mill and resurfacing work required per SDG-107.

6-8.3 Warranty. To the City Supplement, 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. DELETE in its entirety and SUBSTITUTE with the following:

7-3 INSURANCE.

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

7-3.1 Policies and Procedures.

- 1. You shall procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.
- 2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.
- 3. You shall maintain this insurance for the duration of this Contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this Contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this Contract.
- 4. The payment for insurance shall be included in the Contract Price as bid by you. Except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any Work under this Contract until you have provided and the City has approved all required insurance.

5. Policies of insurance shall provide that the City is entitled to 30 Days (10 Days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

7-3.2 Types of Insurance.

7-3.2.1 Commercial General Liability Insurance.

1. Commercial General Liability Insurance shall be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.
2. The policy shall cover liability arising from premises and operations, XCU (explosions, underground, and collapse), independent contractors, products/completed operations, personal injury and advertising injury, bodily injury, property damage, and liability assumed under an insured's contract (including the tort liability of another assumed in a business contract).
3. There shall be no endorsement or modification limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. You shall maintain the same or equivalent insurance for at least 10 years following completion of the Work.
4. All costs of defense shall be outside the policy limits. Policy coverage shall be in liability limits of not less than the following:

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

7-3.2.2 Commercial Automobile Liability Insurance.

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

2. All costs of defense shall be outside the limits of the policy.

7-3.2.3 Contractors Pollution Liability Insurance.

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

7-3.2.4 Contractors Hazardous Transporters Pollution Liability Insurance.

1. You shall provide at your expense or require your Subcontractor to provide, as described below, Contractors Hazardous Transporters Pollution Liability Insurance including contractual liability coverage to cover liability arising out of transportation of hazardous or toxic, materials, substances, or any other pollutants by you or any Subcontractor in an

amount not less than \$2,000,000 limit per occurrence/aggregate for bodily injury and property damage.

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

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

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

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

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

7-3.5 Policy Endorsements.

7-3.5.1 Commercial General Liability Insurance.

7-3.5.1.1 Additional Insured.

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

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

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

7-3.5.2 Commercial Automobile Liability Insurance.

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

7-3.5.3 Contractors Pollution Liability Insurance Endorsements.

7-3.5.3.1 Additional Insured.

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

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

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

employees, agents, and representatives shall be limited to obligations permitted by California Insurance Code §11580.04.

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

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

7-3.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.

7-3.5.4.1 Additional Insured.

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

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

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

employees, agents, and representatives shall be limited to obligations permitted by California Insurance Code §11580.04.

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

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

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

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

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

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

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

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

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

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

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

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

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

7-8.6 Water Pollution Control. To the City Supplement, ADD the following:

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

7-20 ELECTRONIC COMMUNICATION. To the City Supplement, ADD the following:

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

7-21-1 General. To the City Supplement, item 3, DELETE in its entirety and SUBSTITUTE with the following:

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

7-21.6 Special Project Conditions. To the City Supplement, item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. When removal of sediments and debris from channels and storm drains are required, you shall make a preliminary estimate of the materials that

can be diverted to beneficial use. Receipts from disposal, re-use, and recycling options shall indicate that 65% of materials are diverted.

SECTION 9 - MEASUREMENT AND PAYMENT

ADD:

9-3.7 Compensation Adjustments for Price Index Fluctuations. To the City Supplement ADD the following:

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

SECTION 203 – BITUMINOUS MATERIALS

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

1. RPMS shall be used on this Contract.

SECTION 302 – ROADWAY SURFACING

302-4.12.2.1 General. To the City Supplement, ADD the following:

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

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

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

SECTION 304 –METAL FABRICATION AND CONSTRUCTION

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

SECTION 500 – PIPELINE, MANHOLE, AND STRUCTURE REHABILITATION

500-1.1.2.1 Initial Submittals. To the City Supplement, 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

500-1.1.6.1 Order of Work for Rehabilitation Installation. To the City Supplement, ADD the following:

1. Rehabilitation shall be performed in the following order of Work:
 - a) First: Rehabilitation of Sewer Main, including sampling and testing.
 - b) Second: Installation of Sewer Lateral Connections and End Seals.
 - c) Third: Rehabilitation of Sewer Laterals, including sampling and testing.
2. You shall plan and schedule Work accordingly. No additional payment for mobilization or demobilization and no additional Working Days will be granted for delays due to order or sequence of rehabilitation Work.

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

1. The payment for the Service Lateral Rehabilitation covered under 500-1.6, "Service Laterals Rehabilitation" shall be made per each lateral and shall include all necessary labor, material and equipment to clean, repair, and line the Sewer Lateral.
2. The payment for rehabilitation of existing cast iron sewer lateral shall be made as a separate bid item. The payment for Service Lateral Rehabilitation of existing cast iron sewer laterals covered under 500-1.6, "Service Laterals Rehabilitation" shall be made per each cast iron sewer lateral and shall include all necessary labor, material and equipment to clean, remove corrosion build-up, repair and line the cast iron Sewer Lateral.
3. The payment for rehabilitation of existing sewer lateral, cleanout installation and manual excavation for cleanout pits to avoid damage to existing service utilities shall be made as a separate bid item. The payment for Service Lateral Rehabilitation of existing laterals covered under 500-1.6, "Service Laterals Rehabilitation" shall be made per each sewer lateral and shall include all necessary labor, material and equipment to clean, remove corrosion build-up, manual excavation for cleanout, repair and line the cast iron Sewer Lateral.

4. The payment for the installation of a sewer cleanout at the access point 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 of CIP Lateral with Cleanout up to 7 Feet in Depth |
| Service Lateral Rehabilitation of CIP lateral with Cleanout Greater than 7 Feet in Depth |
| Service Lateral Rehabilitation with Cleanout (manual excavation) up to 7 Feet in Depth |
| Service Lateral Rehabilitation with Cleanout (manual excavation) Greater than 7 Feet in Depth |

5. The point repair work for service lateral shall be measured and paid for in the bid item "Point Repair for Existing Service Lateral." Measurement shall be made at the lateral and shall be based on the length of lateral segment repaired. You shall be paid for 1 point repair for each repair 8 ft or less in length. This payment shall include all necessary labor, materials, and equipment to clean repair, excavate and inspect the point repair.
6. The payment for cleaning and video inspection for rehabilitated laterals shall be in accordance with 306-18.7, "Payment"

500-2.10.2 Payment. ADD the following:

1. The payment for rehabilitation and repair Work for existing manholes, identified as "Point Repair Manhole" in the Contract Documents, in excess of what is defined in 500-2.3, "Repair, Resurfacing, and Active Infiltration" shall be included in the unit price Bid item for "Rehabilitate Existing Manhole with Point Repair" and shall include the installation of the lining system, surface preparation and repairs, and performance testing.

SECTION 700 – MATERIALS

700-9.1 Pedestrian Barricade. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

3. Curb ramp barricades shall be constructed in accordance with the City of San Diego Standard Drawing SDG-140, "Curb Ramp Barricade".
4. Assembly shall be commercial quality galvanized material.

SECTION 701 – CONSTRUCTION

701-2 **PAYMENT.** To the City Supplement, ADD the following:

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

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

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

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

END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SUPPLEMENTARY SPECIAL PROVISIONS

APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

TO: X RECORDER/COUNTY CLERK
P.O. BOX 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA. 92101-2422

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

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

PROJECT/WBS No.: B-16002.02.06

PROJECT TITLE: Pipeline Rehabilitation AM-1

PROJECT LOCATION-SPECIFIC: The project is located city-wide within the Clairemont Mesa Community Planning Area (Council Districts 6). All work will occur within in the following developed streets and areas: Lodi Street, Gaylord Drive, Avondale Street, Arlington Street, Bascomb Place, Glasgow Drive, Armitage Street, Argonne Street, Morlan Street, Merrimac Avenue, Conrad Avenue, Capehart Street, Biltmore Street, Appleton Street and private easement north of Appleton Street west of Cole Street, Mount Laudo Drive, Mount Hukee Avenue, Mount Putman Avenue, Mount Jeffers Avenue, Mount Horton Drive, Mount Voss Drive, Mount Forde Drive, Mount Putman Court, Mount Armet Drive, Mount Brundage Drive, Mount Blanca Drive, Mount Blackburn Avenue, Mount Ararat Drive, Mount Agustus Avenue, Mount Aimagosa Drive, private easement between Mount Aladin Avenue and Mount Acadia Boulevard, private easements Mount Acadia Boulevard and Mount Abbey Avenue, Mount Abbey Avenue, Acworth Avenue, Mount Ackerly Drive, Mount Alvarez Avenue, Mount Aclare Avenue, Mount Acomita Avenue, Accomac Avenue, Mount Acara Drive, Mount Acre Way, Mount Ainsworth Avenue, Mount Ainsworth Way, Mount Ainsworth Court, Mount Abraham Avenue, and various other right of way easements over private developed properties.

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

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: The project would include the rehabilitation of 41,127 linear feet (LF) (7.8 miles) of existing sewer mains using trenchless technology and replacement-in-place of 528 LF (0.10 miles) of existing sewer main, as part of the City's overall sewer improvement program implemented to provide a safe and reliable sewer system reducing maintenance needs and improving service and reliability for the public. Additional work would include point repairs, installation of new cleanouts and manholes, rehabilitation and replacement of existing manholes and laterals, street resurfacing including overlay and slurry seal, and replacement or installation of new curb ramps.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego, Public Works Contact: Jericho Gallardo; 525 B Street, Suite 750, San Diego, CA 92101; Phone: (619) 533-7523

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: 15301(b) [Existing Facilities], 15302(c) [Replacement or Reconstruction], 15303(d) [New Construction or Conversion of Small Structures], and 15304(f) [Minor Alterations to Land]
() STATUTORY EXEMPTIONS:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review which determined that the project meets the categorical exemption criteria set forth in CEQA State Guidelines, Sections 15301(b) allowing operation, repair, maintenance or minor alteration of existing public structures, facilities, mechanical equipment, or topographical features involving negligible or no expansion of use, including publicly owned facilities used to provide sewerage; Section 15302(c) allowing for replacement and reconstruction of existing structures and facilities 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 replaces, including replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity; 15303(d) allowing for construction of new, small facilities or structures, including sewerage; 15304(f) allowing for minor alteration to the condition of land which do not involve removal of healthy, mature, scenic trees, including minor trenching and backfilling where the surface is restored; and where the exceptions listed in Section 15300.2 would not apply.

LEAD AGENCY CONTACT PERSON: JAMES ARNHART, SENIOR PLANNER

TELEPHONE: (619) 533-5275

IF FILED BY APPLICANT:

- 1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
() YES (X) NO

CARRIE PURCELL, PRINCIPAL PLANNER (with signature)

4/28/16 DATE

CHECK ONE:

- (X) SIGNED BY LEAD AGENCY
() SIGNED BY APPLICANT

DATE RECEIVED FOR FILING AT OPR:

APPENDIX B

FIRE HYDRANT METER PROGRAM

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

1. **PURPOSE**

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

2. **AUTHORITY**

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

Reference

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

3. **DEFINITIONS**

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

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|---|--------------------------------|---|
| 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.

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|---|--------------------------------|---|
| 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.

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

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

| | | |
|---|--------------------------------|---|
| CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS | NUMBER DI 55.27 | DEPARTMENT Water Department |
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2. Construction and maintenance related activities (see Tab 2).

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

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

4.7 Relocation of Existing Fire Hydrant Meters

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

4.8 Disconnection of Fire Hydrant Meter

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

| | | |
|---|--------------------------------|---|
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for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

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

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

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

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

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

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

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

| | | |
|---|--------------------------------|---|
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7. **FEE AND DEPOSIT SCHEDULES**

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

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

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

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

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

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

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

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

**Larry Gardner
Water Department Director**

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

APPENDIX

Administering Division: Customer Support Division

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

Distribution: DI Manual Holders



Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

| | |
|--------|------|
| NS REQ | FAC# |
| DATE | BY |

METER SHOP (619) 527-7449

Meter Information

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

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

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

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

SUMMARY

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

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

Resident Engineer

Construction Engineer

Retention and/or Escrow Payment Schedule

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

Contractor Signature and Date: _____

APPENDIX E
LOCATION MAP

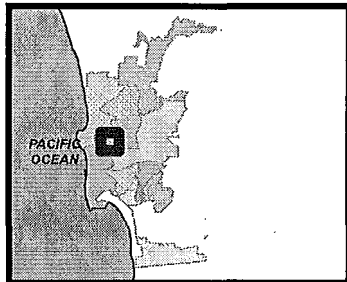
PIPELINE REHABILITATION AM-1

SENIOR ENGINEER
SHEILA BOSE
(619) 533-4698

PROJECT MANAGER
JERICHO GALLARDO
(619) 533-7523

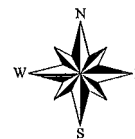
PROJECT ENGINEER
JAIME RAMOS
(619) 533-5103

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



Legend

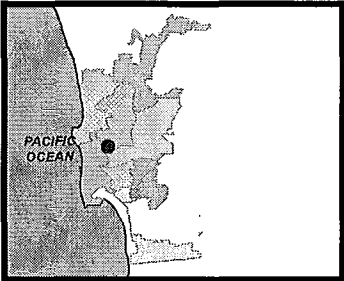
 B16002 Pipeline Rehabilitation AM-1



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APPENDIX F
ADJACENT PROJECTS

The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AM-1
Adjacent Project Locations

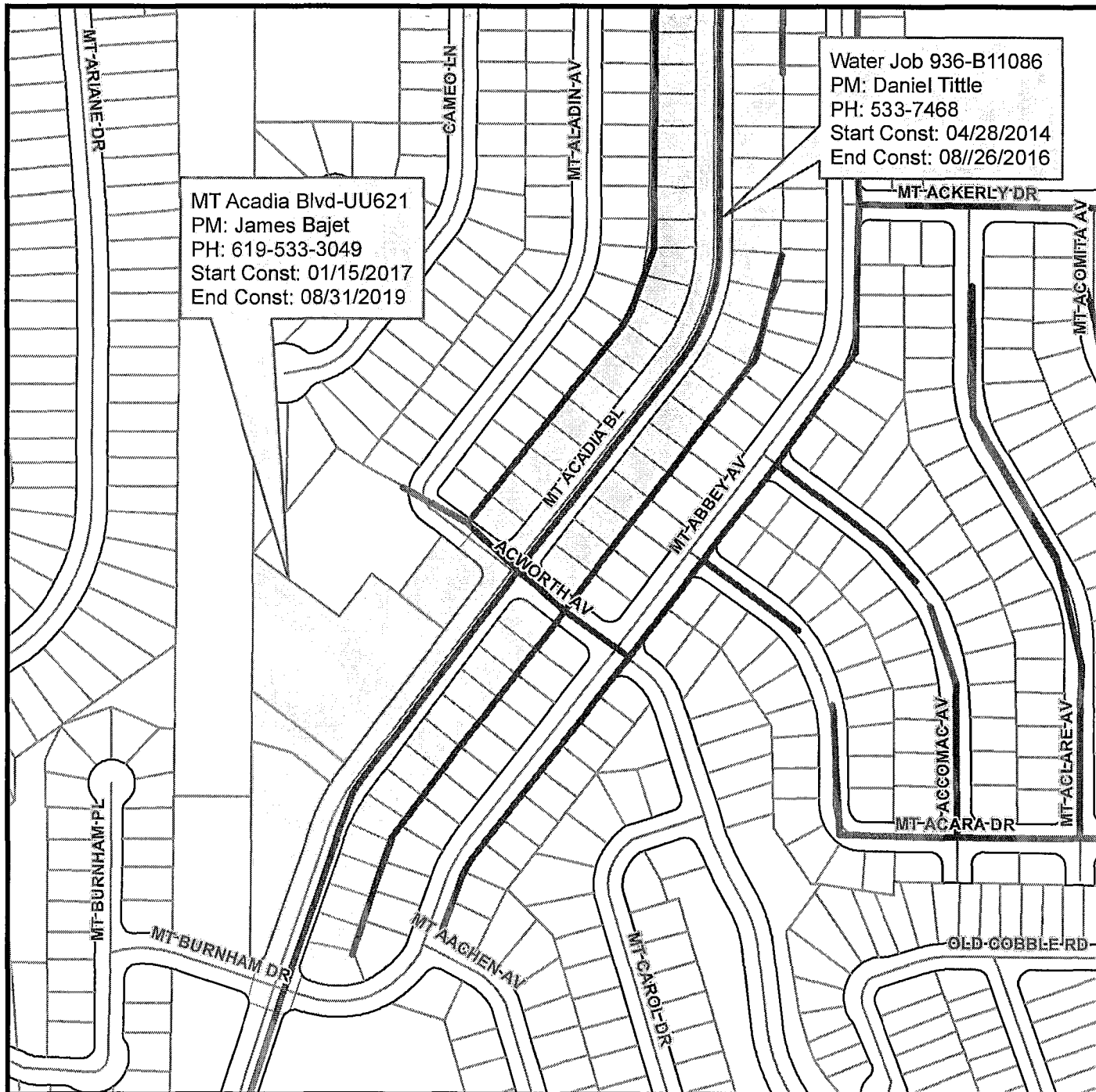


SENIOR ENGINEER
 SHEILA BOSE
 (619) 533-4698

PROJECT MANAGER
 JERICO GALLARDO
 (619) 533-7523

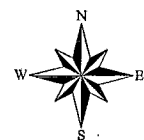
PROJECT ENGINEER
 JAIME RAMOS
 (619) 533-5103

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



Legend

- Pipeline Rehabilitation AM-1
- Water Group Job 936
- UU621, Mount Acadia Boulevard



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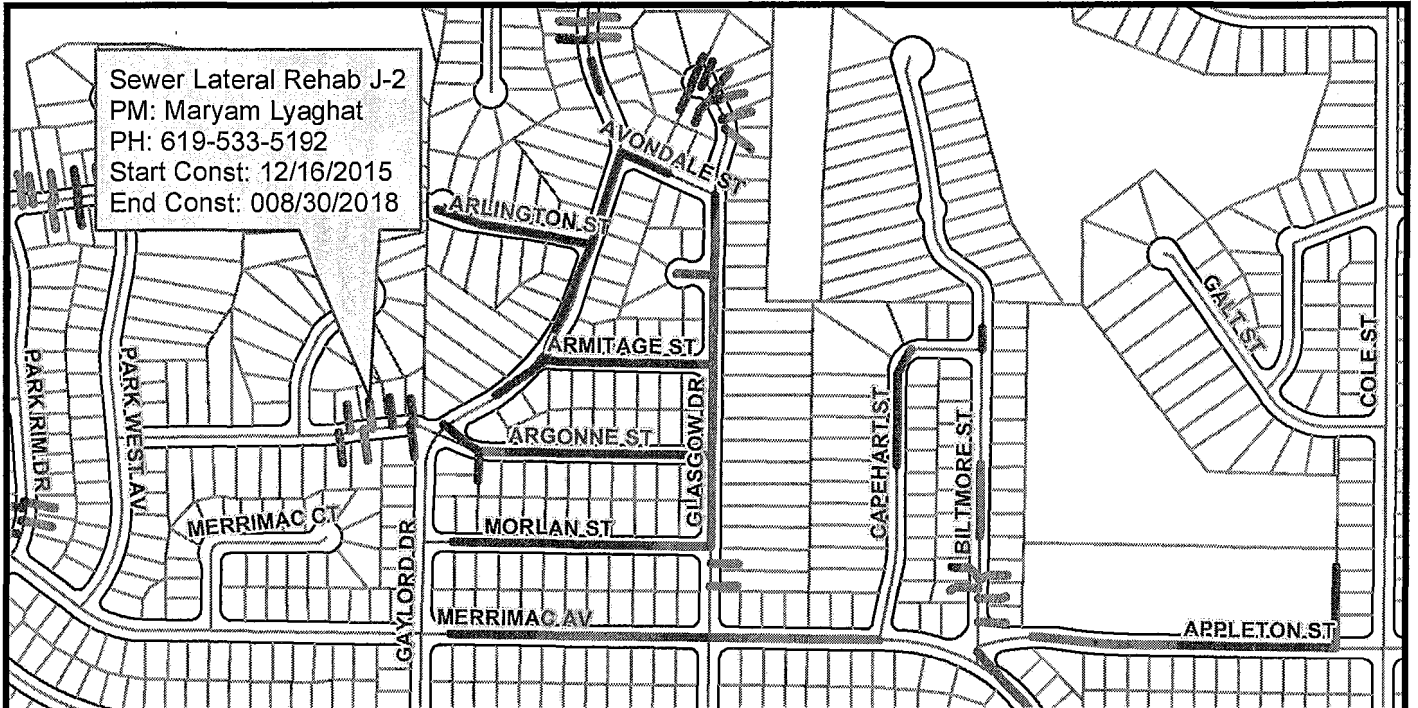
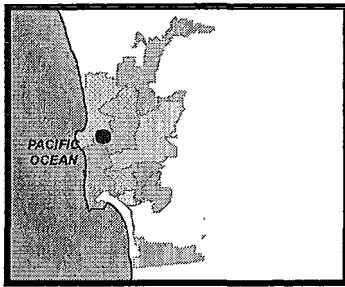
The City of
SAN DIEGO Public Works
PIPELINE REHABILITATION AM-1
Adjacent Project Locations

SENIOR ENGINEER
 SHEILA BOSE
 (619) 533-4698

PROJECT MANAGER
 JERICHO GALLARDO
 (619) 533-7523

PROJECT ENGINEER
 JAIME RAMOS
 (619) 533-5103

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



Legend

- Pipeline Rehabilitation AM-1
- Sewer Lateral Rehab Projects J-2



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APPENDIX G

ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

Protecting AMI Devices in Meter Boxes and on Street Lights

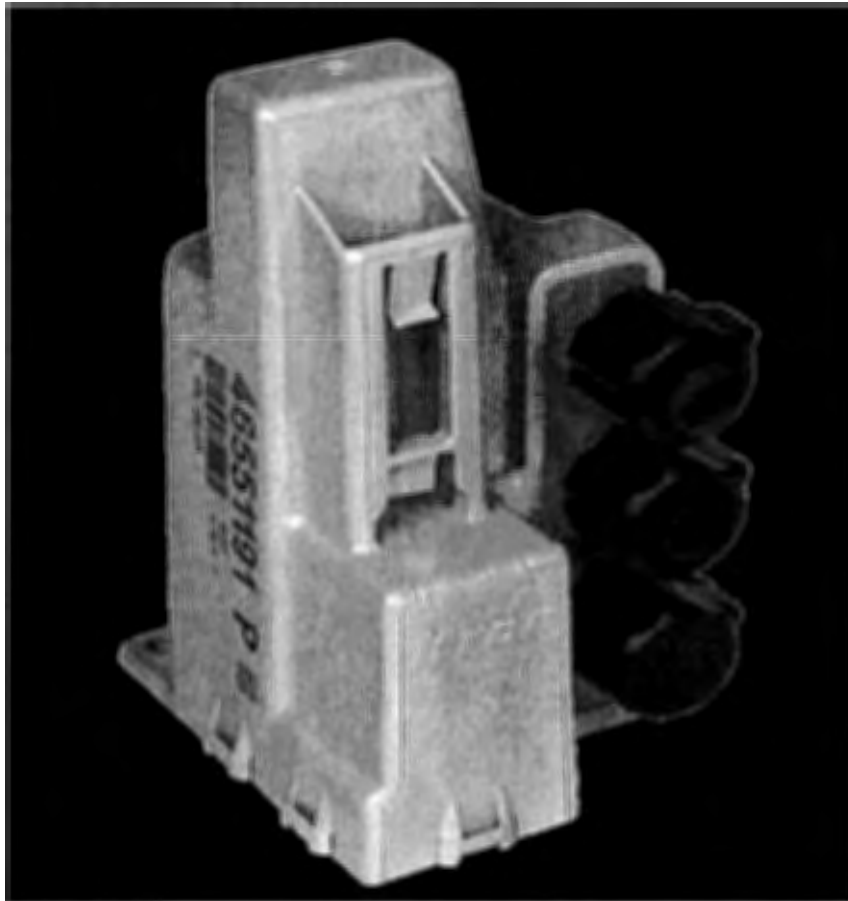
The Public Utilities Department (PUD) has begun the installation of the Advanced Metering Infrastructure (AMI) technology as a new tool to enhance water meter reading accuracy and efficiency, customer service and billing, and to be used by individual accounts to better manage the efficient use of water.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

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

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

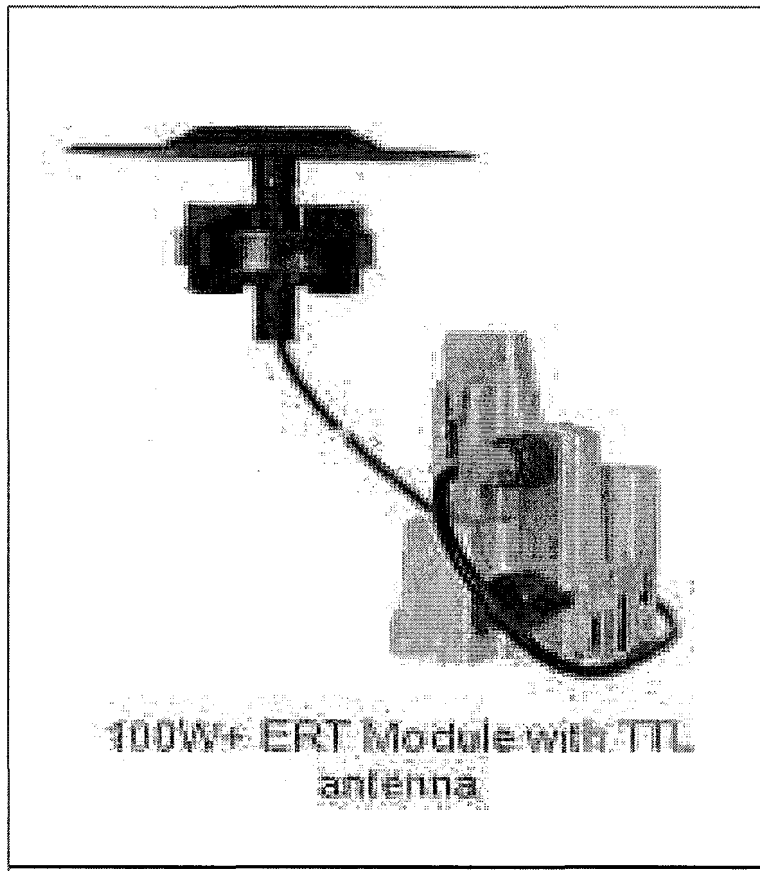
- A. Endpoints, see Photo 1:

Photo 1



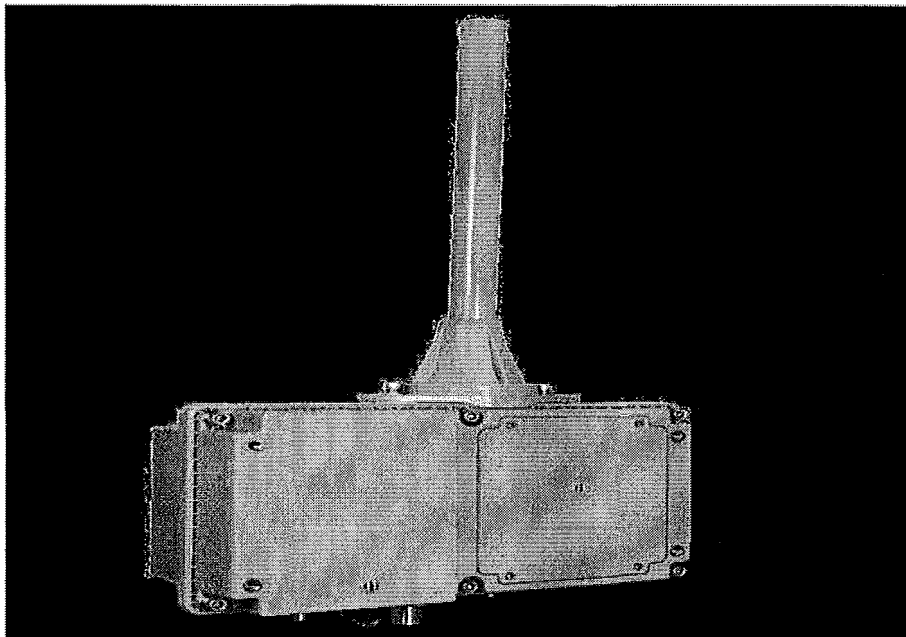
B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:

Photo 2



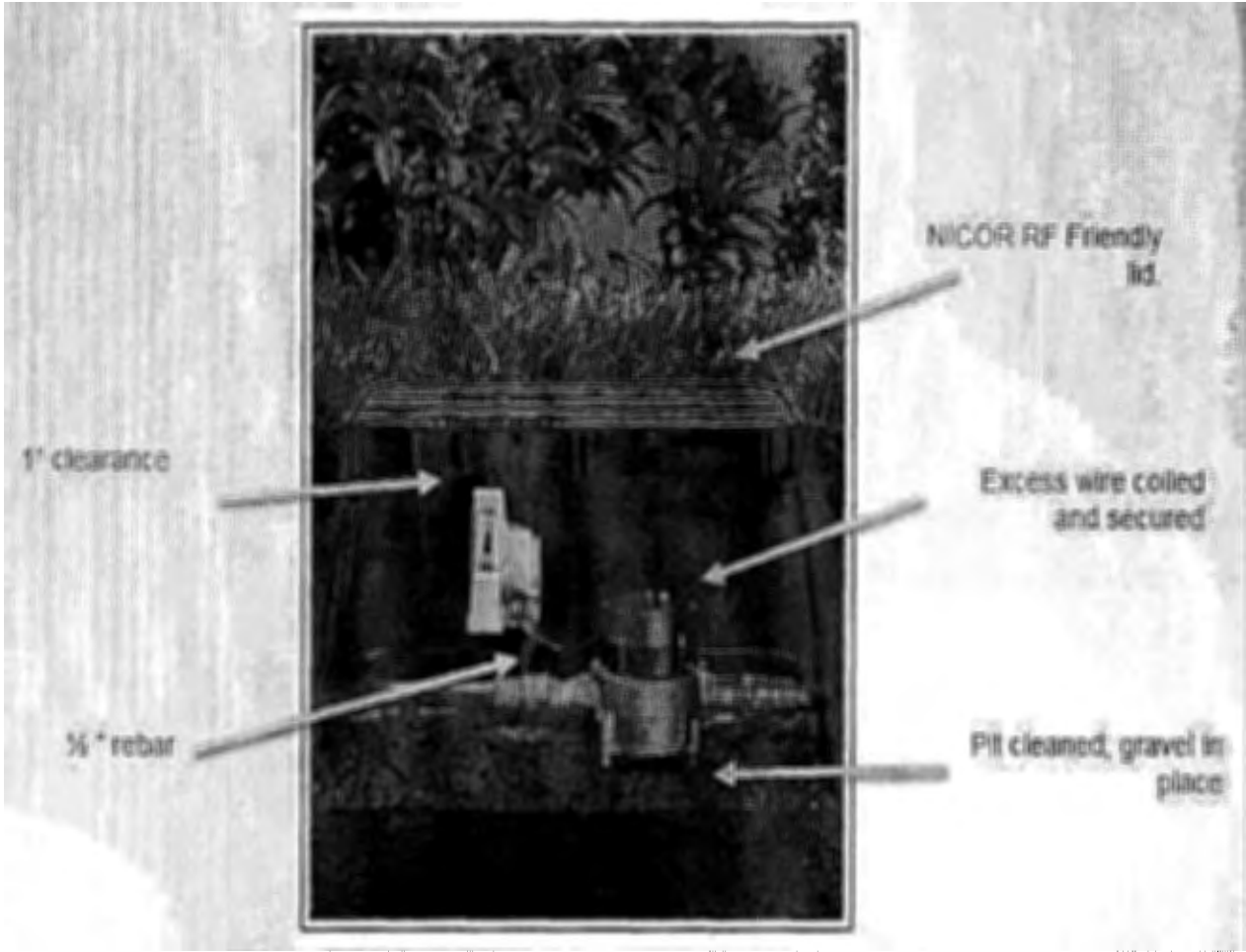
Network Devices, see Photo 3:

Photo 3



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

Photo 4



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

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

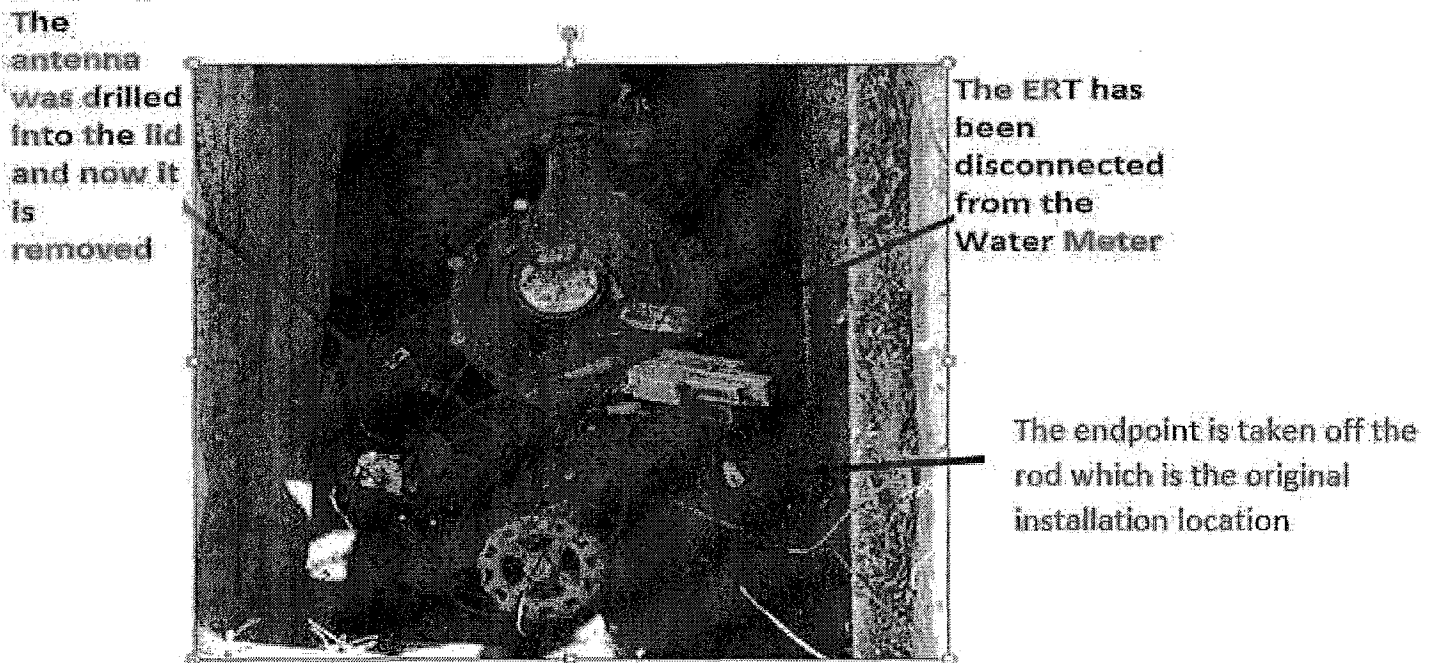
Photo 5 below shows a typical installation of an AMI endpoint on a water meter.

Photo 5



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

Photo 6



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

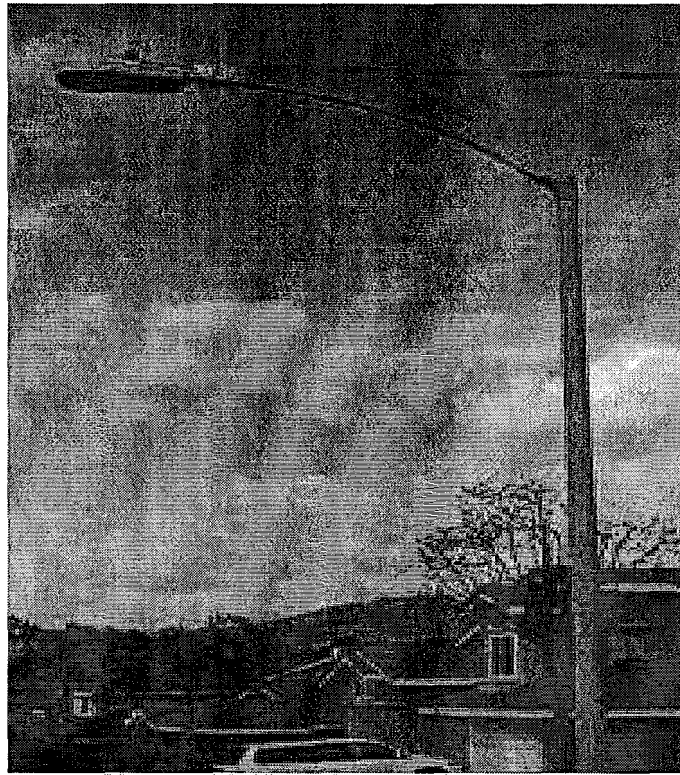
Photo 7



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

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

Photo 8



Network Device

Photo 9

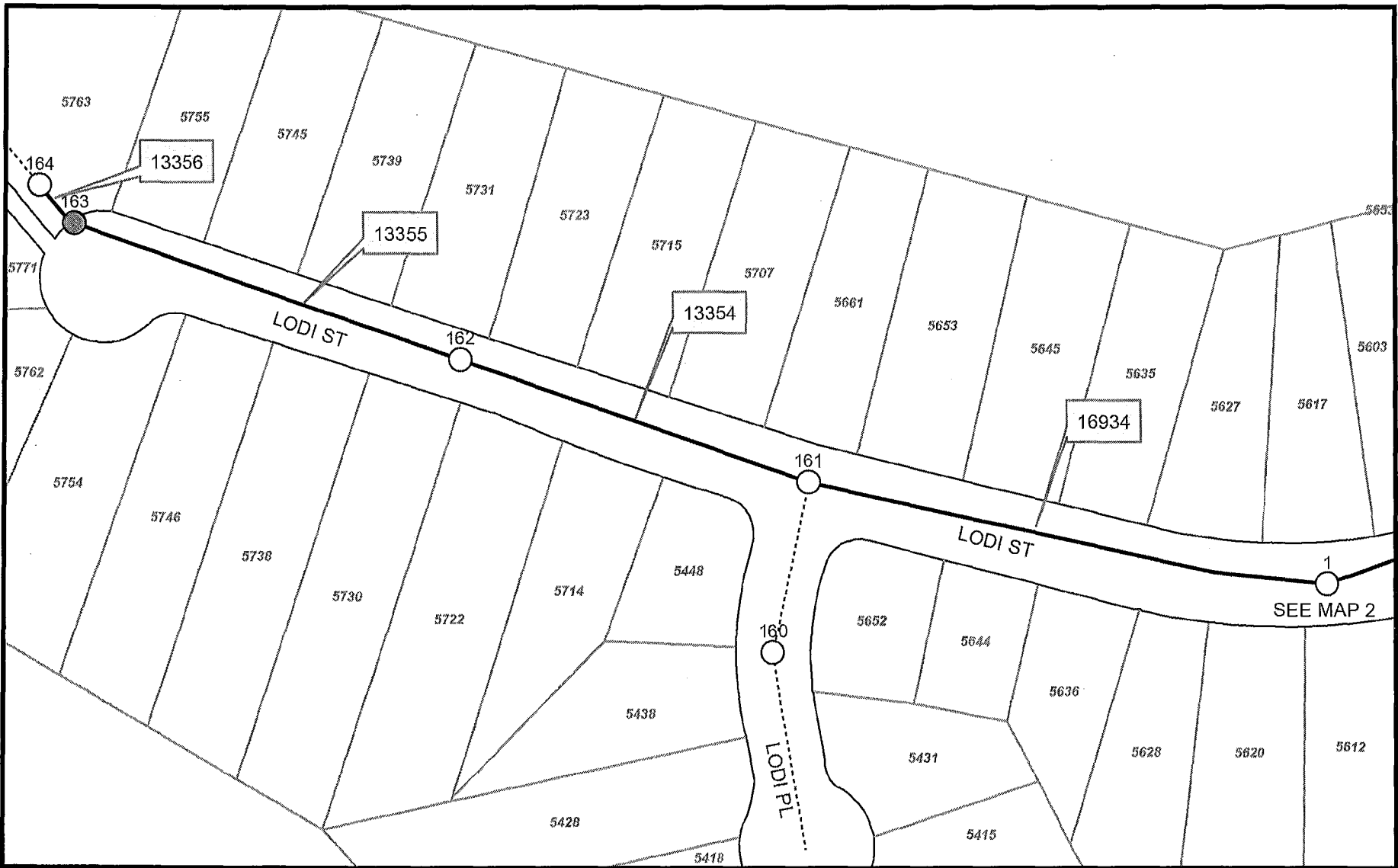


If you encounter any bad installations, disconnected/broken/buried endpoints, or inadvertently damage any AMI devices or cables, notify the Resident Engineer immediately. The Resident Engineer will then immediately contact the AMI Project Manager, Arwa Sayed, at (619) 362-0121.

APPENDIX H

REHAB MAPS

PIPELINE REHABILITATION AM-1



Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



SD Public Works

PIPELINE REHABILITATION AM-1

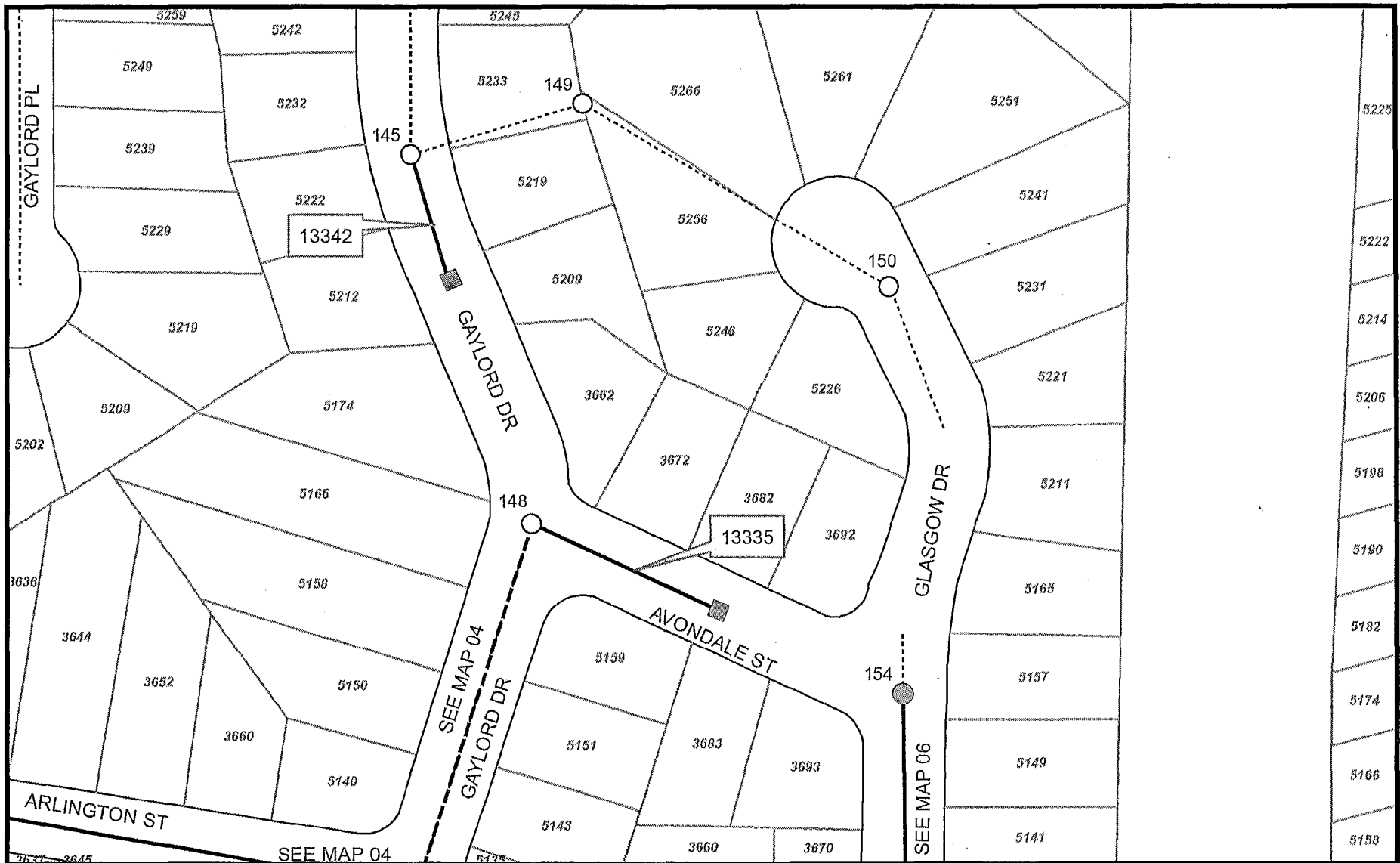


Legend

- ⊗ REPLACE SEWER MANHOLE
- ⊙ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REPLACEMENT
- REHABILITATE SEWER MANHOLE
- EXISTING MANHOLE
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- EXISTING SEWER
- 12345 FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER

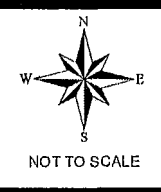


PIPELINE REHABILITATION AM-1



Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER



SD Public Works

NOT TO SCALE

SAP ID: B-16002

PIPELINE REHABILITATION AM-1

MAP NO. 4 OF 45



Legend

- | | | |
|------------------------------|-------------------------------|---|
| REPLACE SEWER MANHOLE | REHABILITATE SEWER MANHOLE | PROPOSED SEWER REHABILITATION WITH POINT REPAIR |
| REHAB MANHOLE W/POINT REPAIR | EXISTING MANHOLE | EXISTING SEWER |
| INSTALL NEW CLEANOUT | PROPOSED SEWER REHABILITATION | FSN (Facility Sequence Number) |
| PROPOSED SEWER REPLACEMENT | MANHOLE ID NUMBER | |



NOT TO SCALE

SD Public Works

COMMUNITY NAME: CLAIREMONT MESA

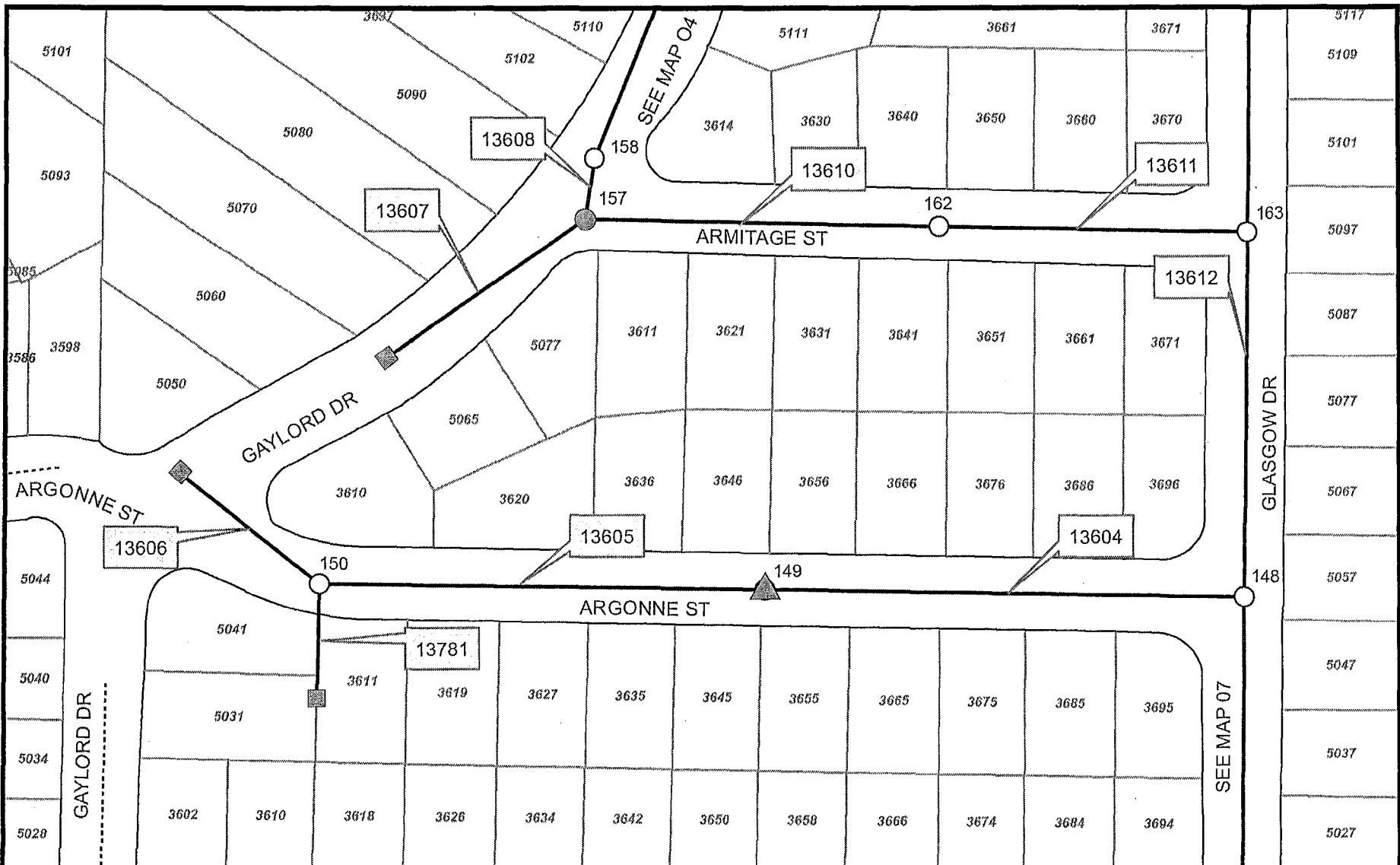
COUNCIL DISTRICT: 6

THOMAS BROS. MAP: PAGE 1228D7

SAP ID: B-16002

PIPELINE REHABILITATION AM-1

MAP NO. 5 OF 45



Legend

- REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- REHAB MANHOLE W/POINT REPAIR
- REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- EXISTING SEWER
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- EXISTING SEWER
- FSN (Facility Sequence Number)



SD Public Works

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 6

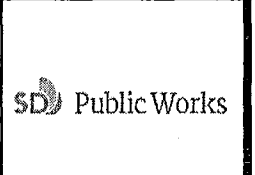
THOMAS BROS. MAP: PAGE 1228D7

PIPELINE REHABILITATION AM-1



Legend

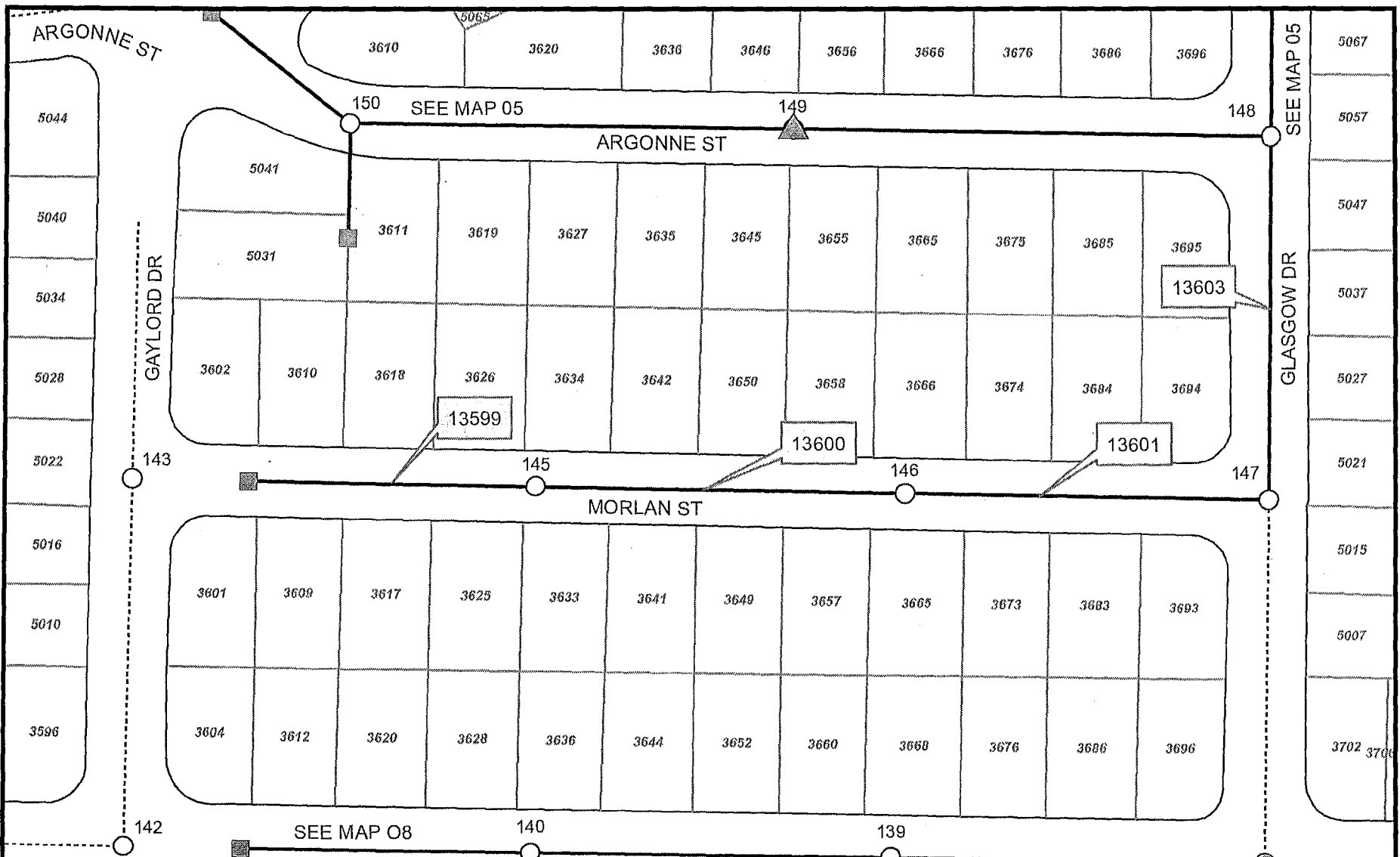
- ⊗ REPLACE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- REHABILITATE SEWER MANHOLE
- EXISTING MANHOLE
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- EXISTING SEWER
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



SAP ID: B-16002

PIPELINE REHABILITATION AM-1

MAP NO. 7 OF 45



Legend

- REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- EXISTING SEWER
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR



SD Public Works

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 6

THOMAS BROS. MAP: PAGE 1228D7

SAP ID: B-16002

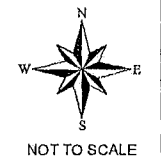
PIPELINE REHABILITATION AM-1

MAP NO. 8 OF 45



Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



SD Public Works

COMMUNITY NAME: CLAIREMONT MESA

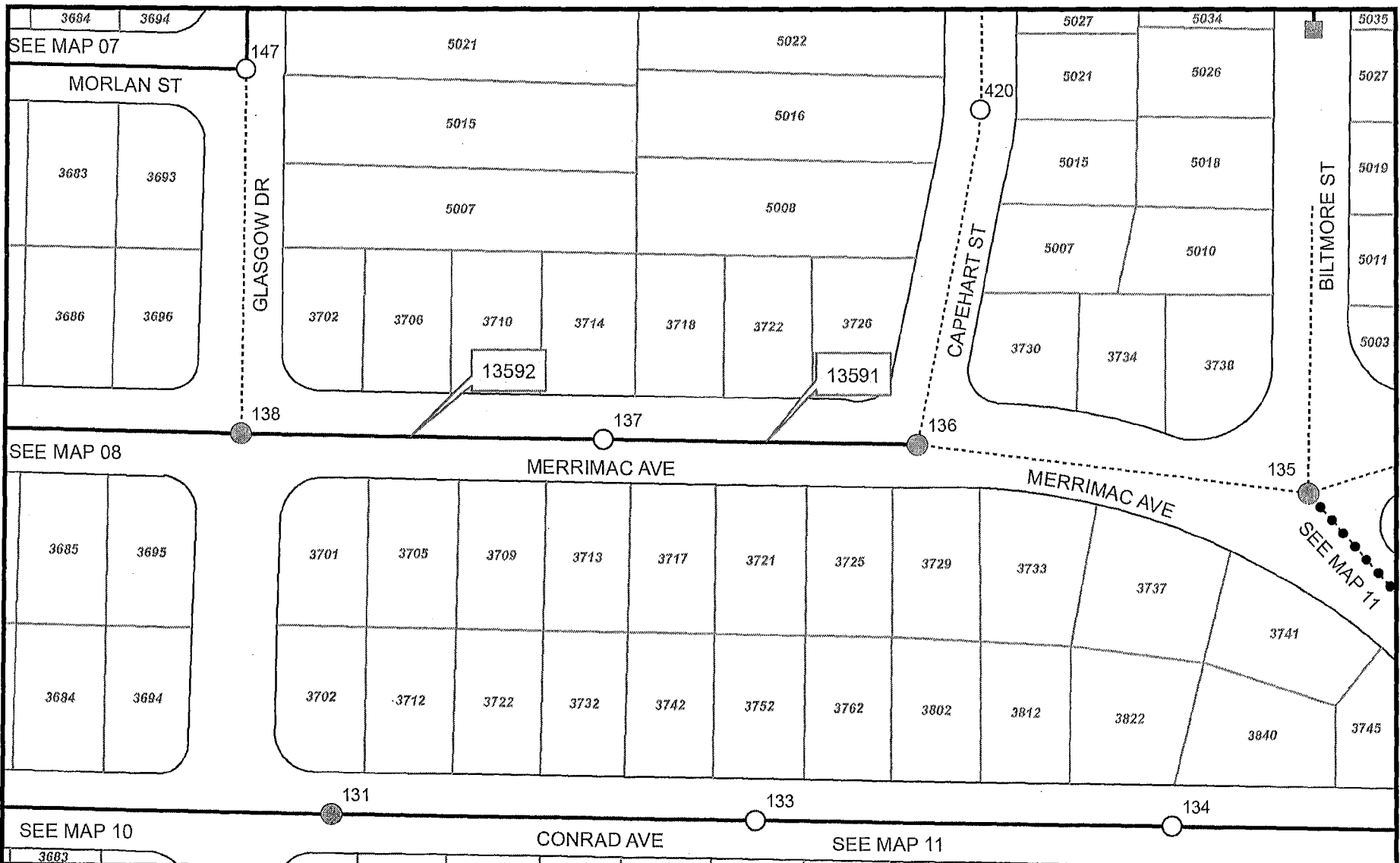
COUNCIL DISTRICT: 6

THOMAS BROS. MAP: PAGE 1228D7

SAP ID: B-16002

PIPELINE REHABILITATION AM-1

MAP NO. 9 OF 45



Legend

| | | |
|------------------------------|-------------------------------|---|
| REPLACE SEWER MANHOLE | REHABILITATE SEWER MANHOLE | PROPOSED SEWER REHABILITATION WITH POINT REPAIR |
| REHAB MANHOLE W/POINT REPAIR | EXISTING MANHOLE | EXISTING SEWER |
| INSTALL NEW CLEANOUT | PROPOSED SEWER REHABILITATION | PROPOSED SEWER REPLACEMENT |

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

NOT TO SCALE

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 6

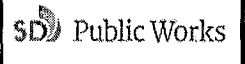
THOMAS BROS. MAP: PAGE 1228D7

PIPELINE REHABILITATION AM-1

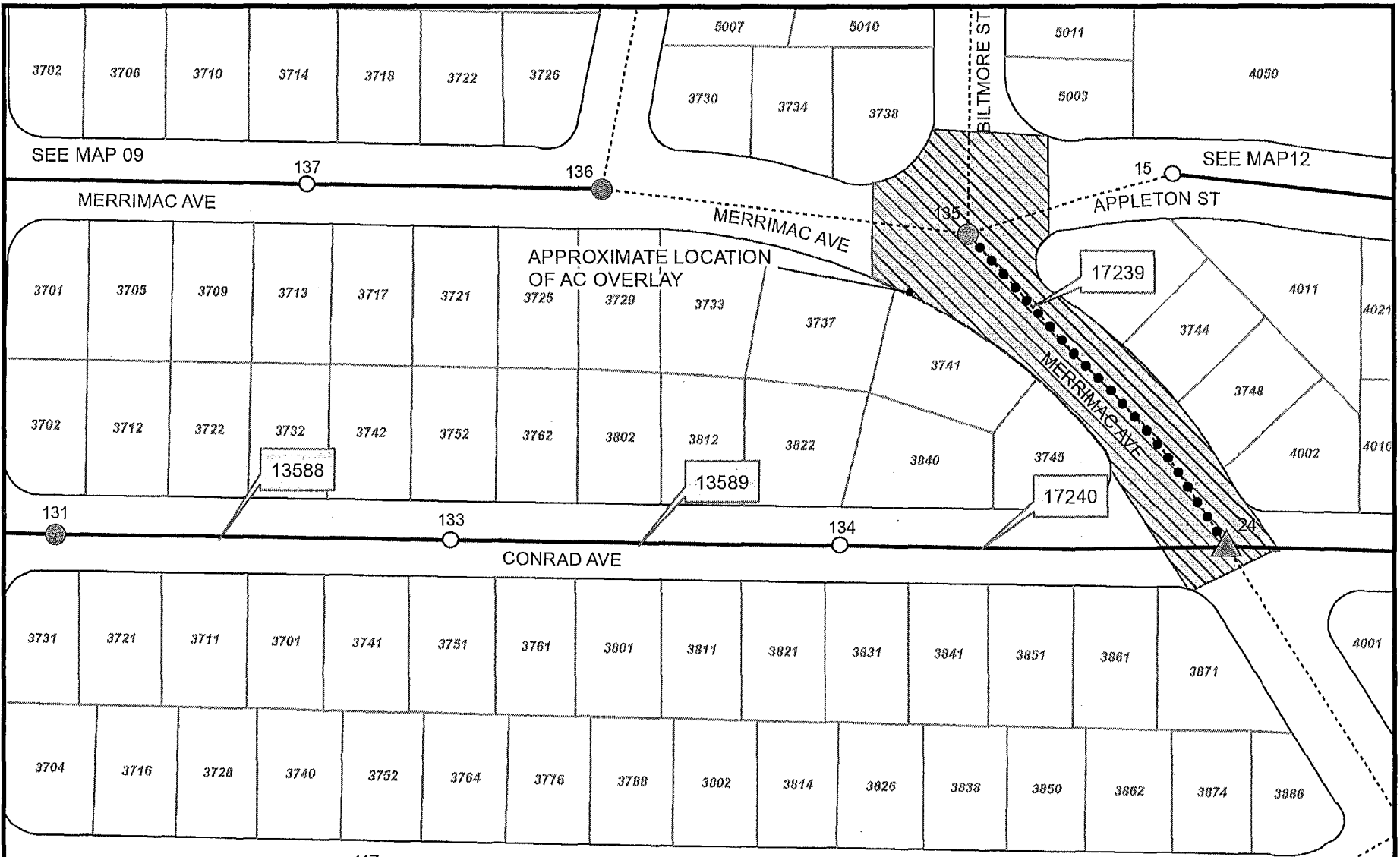


Legend

- ⊗ REPLACE SEWER MANHOLE
- ⊙ REHABILITATE SEWER MANHOLE
- ⊠ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- EXISTING SEWER
- PROPOSED SEWER REHABILITATION
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



PIPELINE REHABILITATION AM-1



| | | |
|------------------------------|-------------------------------|---|
| REPLACE SEWER MANHOLE | REHABILITATE SEWER MANHOLE | PROPOSED SEWER REHABILITATION WITH POINT REPAIR |
| REHAB MANHOLE W/POINT REPAIR | EXISTING MANHOLE | EXISTING SEWER |
| INSTALL NEW CLEANOUT | PROPOSED SEWER REHABILITATION | 12345 FSN (Facility Sequence Number) |
| PROPOSED SEWER REPLACEMENT | 123 MANHOLE ID NUMBER | |

NOT TO SCALE

SAP ID: B-16002

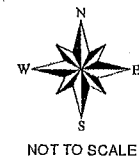
PIPELINE REHABILITATION AM-1

MAP NO. 12 OF 45



Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



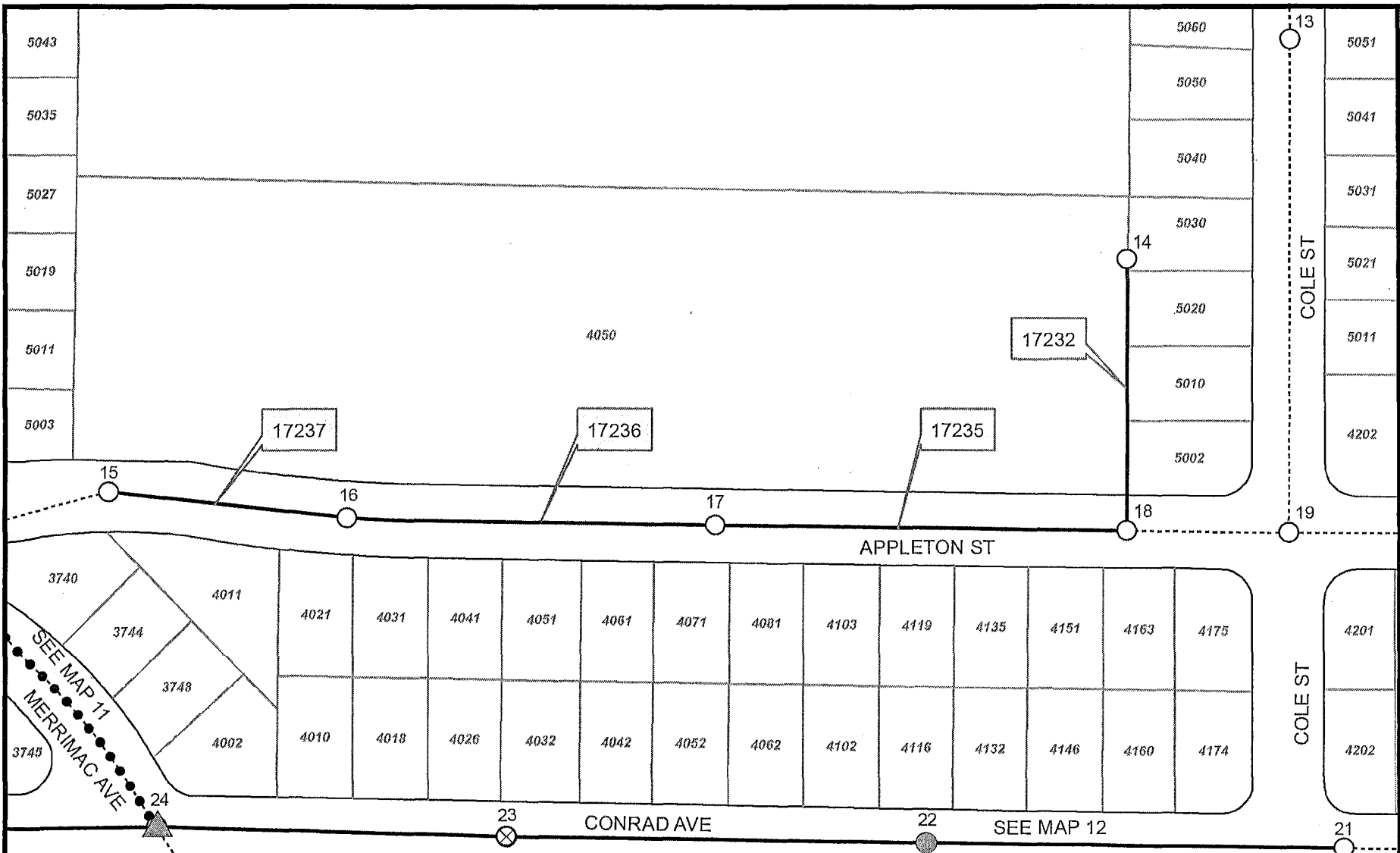
SD Public Works

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 6

THOMAS BROS. MAP: PAGE 1248E1

PIPELINE REHABILITATION AM-1



| Legend | | | |
|--------|------------------------------|--|---|
| | REPLACE SEWER MANHOLE | | REHABILITATE SEWER MANHOLE |
| | REHAB MANHOLE W/POINT REPAIR | | EXISTING MANHOLE |
| | INSTALL NEW CLEANOUT | | PROPOSED SEWER REHABILITATION WITH POINT REPAIR |
| | EXISTING SEWER | | PROPOSED SEWER REHABILITATION |
| | PROPOSED SEWER REPLACEMENT | | MANHOLE ID NUMBER |

12345 FSN (Facility Sequence Number)

NOT TO SCALE

Public Works

SAP ID: B-16002

PIPELINE REHABILITATION AM-1

MAP NO. 14 OF 45



Legend

- REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- FSN (Facility Sequence Number)
- PROPOSED SEWER REHABILITATION
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REPLACEMENT
- MANHOLE ID NUMBER



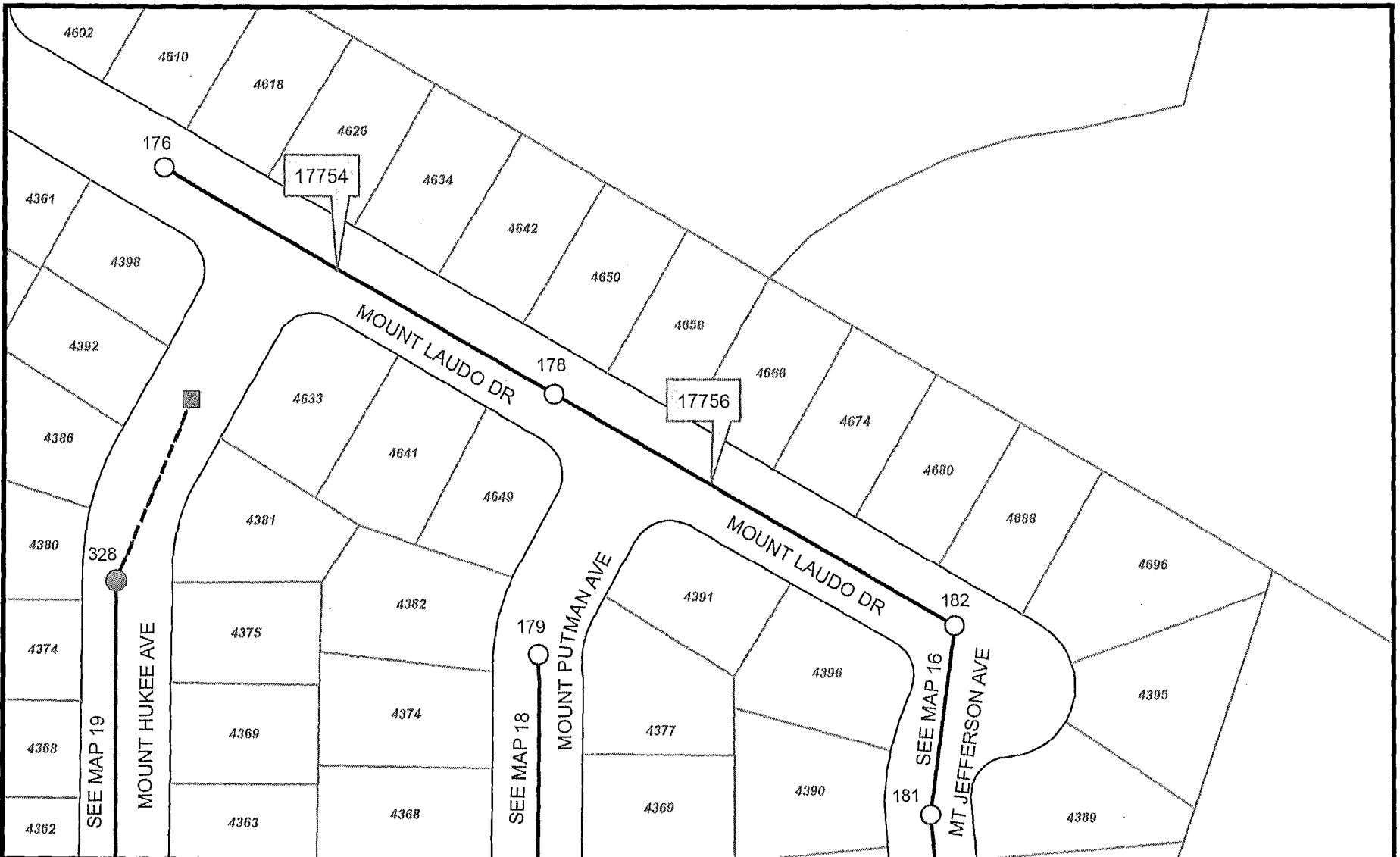
SD Public Works

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 6

THOMAS BROS. MAP: PAGE 1228E7

PIPELINE REHABILITATION AM-1



Legend

| | | |
|------------------------------|-------------------------------|---|
| REPLACE SEWER MANHOLE | REHABILITATE SEWER MANHOLE | PROPOSED SEWER REHABILITATION WITH POINT REPAIR |
| REHAB MANHOLE W/POINT REPAIR | EXISTING MANHOLE | EXISTING SEWER |
| INSTALL NEW CLEANOUT | PROPOSED SEWER REHABILITATION | FSN (Facility Sequence Number) |
| | PROPOSED SEWER REPLACEMENT | MANHOLE ID NUMBER |

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SAP ID: B-16002

PIPELINE REHABILITATION AM-1

MAP NO. 16 OF 45



Legend

- ⊗ REPLACE SEWER MANHOLE
- ⊙ REHABILITATE SEWER MANHOLE
- ⊠ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- - - - EXISTING SEWER
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



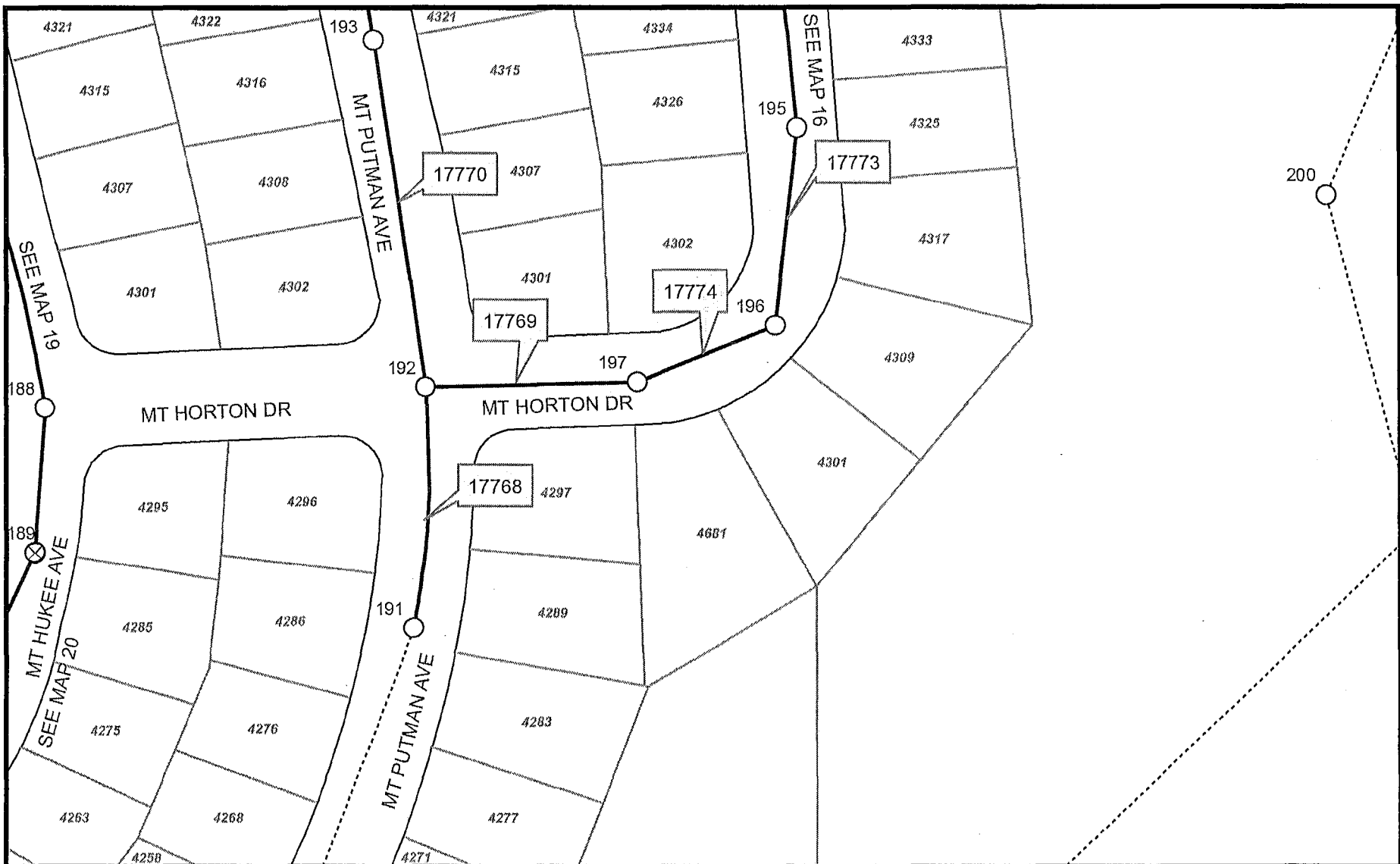
SD Public Works

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 6

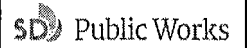
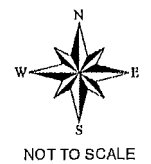
THOMAS BROS. MAP: PAGE 1248F3

PIPELINE REHABILITATION AM-1



Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- EXISTING SEWER
- PROPOSED SEWER REHABILITATION
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)

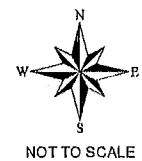


PIPELINE REHABILITATION AM-1



Legend

- ⊗ REPLACE SEWER MANHOLE
- △ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- REHABILITATE SEWER MANHOLE
- EXISTING MANHOLE
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- EXISTING SEWER
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



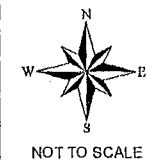
Public Works

PIPELINE REHABILITATION AM-1



Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



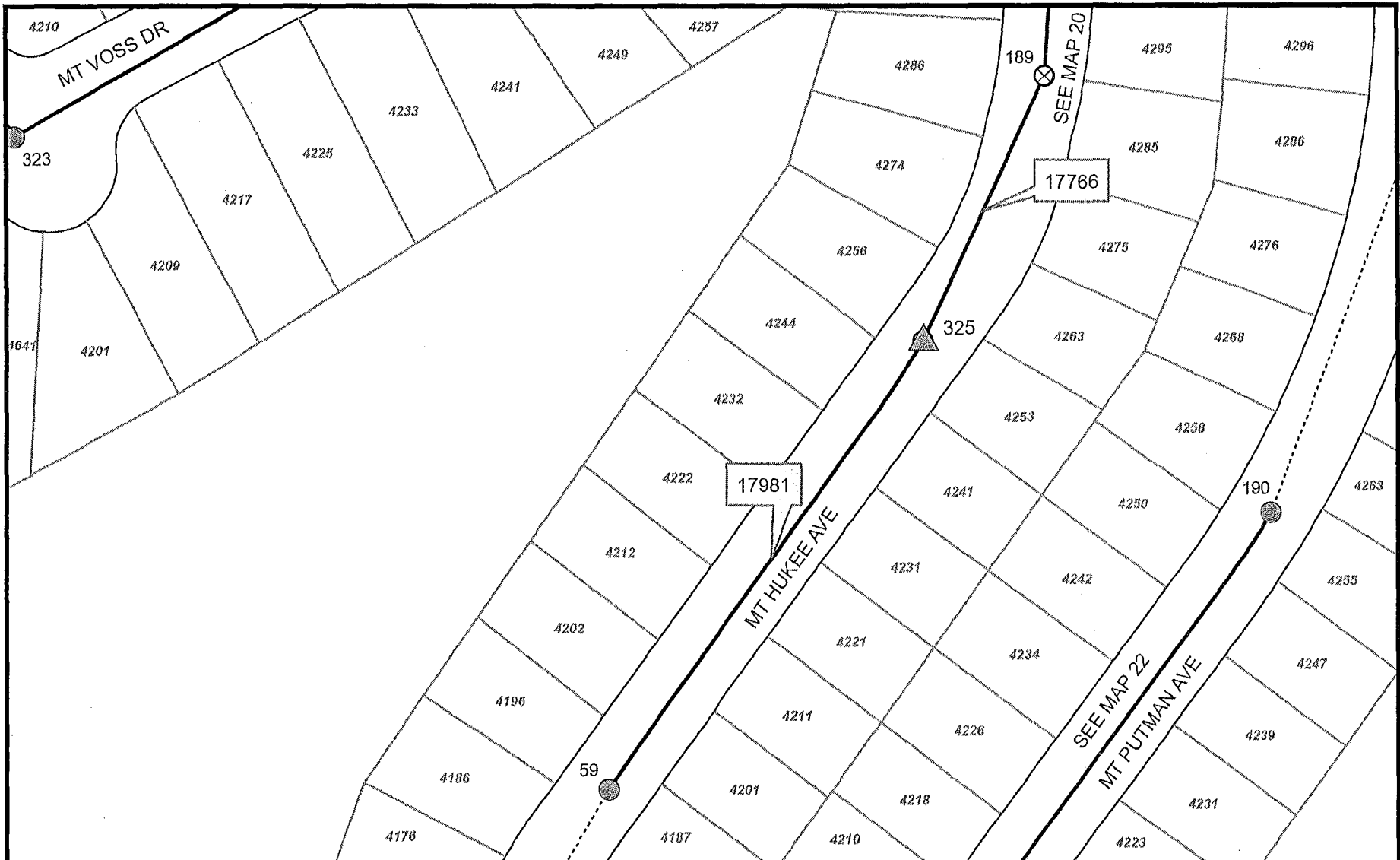
SD Public Works

PIPELINE REHABILITATION AM-1



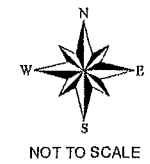
| | | | | | | | | |
|--|------------------------------|--|----------------------------|--|---|--------------------------------------|--|-----------------|
| | REPLACE SEWER MANHOLE | | REHABILITATE SEWER MANHOLE | | PROPOSED SEWER REHABILITATION WITH POINT REPAIR | | | SD Public Works |
| | REHAB MANHOLE W/POINT REPAIR | | EXISTING MANHOLE | | PROPOSED SEWER REHABILITATION | | | |
| | INSTALL NEW CLEANOUT | | PROPOSED SEWER REPLACEMENT | | EXISTING SEWER | 12345 FSN (Facility Sequence Number) | | |
| | | | | | | 123 MANHOLE ID NUMBER | | |

PIPELINE REHABILITATION AM-1



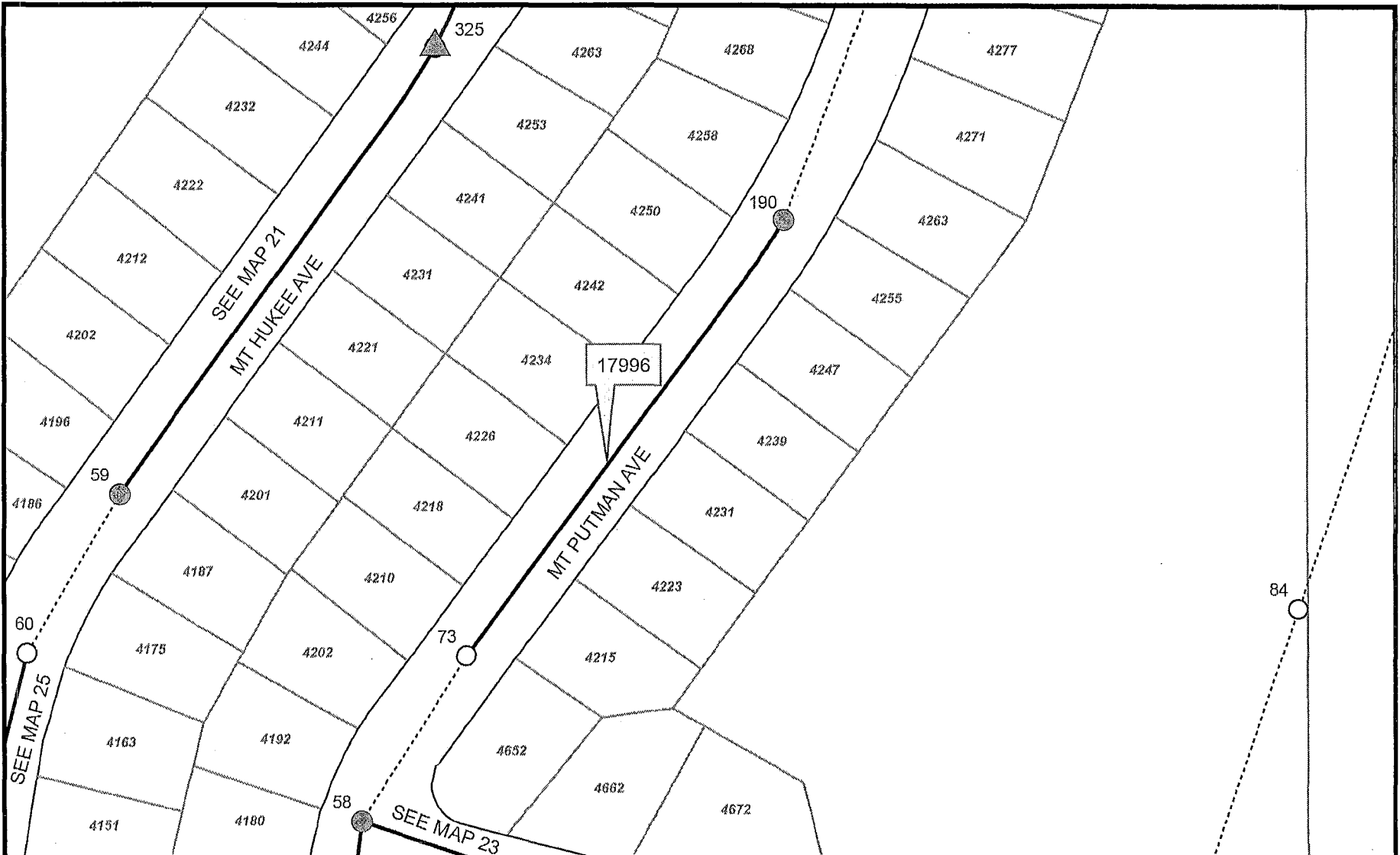
Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- - - EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



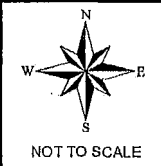
SD Public Works

PIPELINE REHABILITATION AM-1



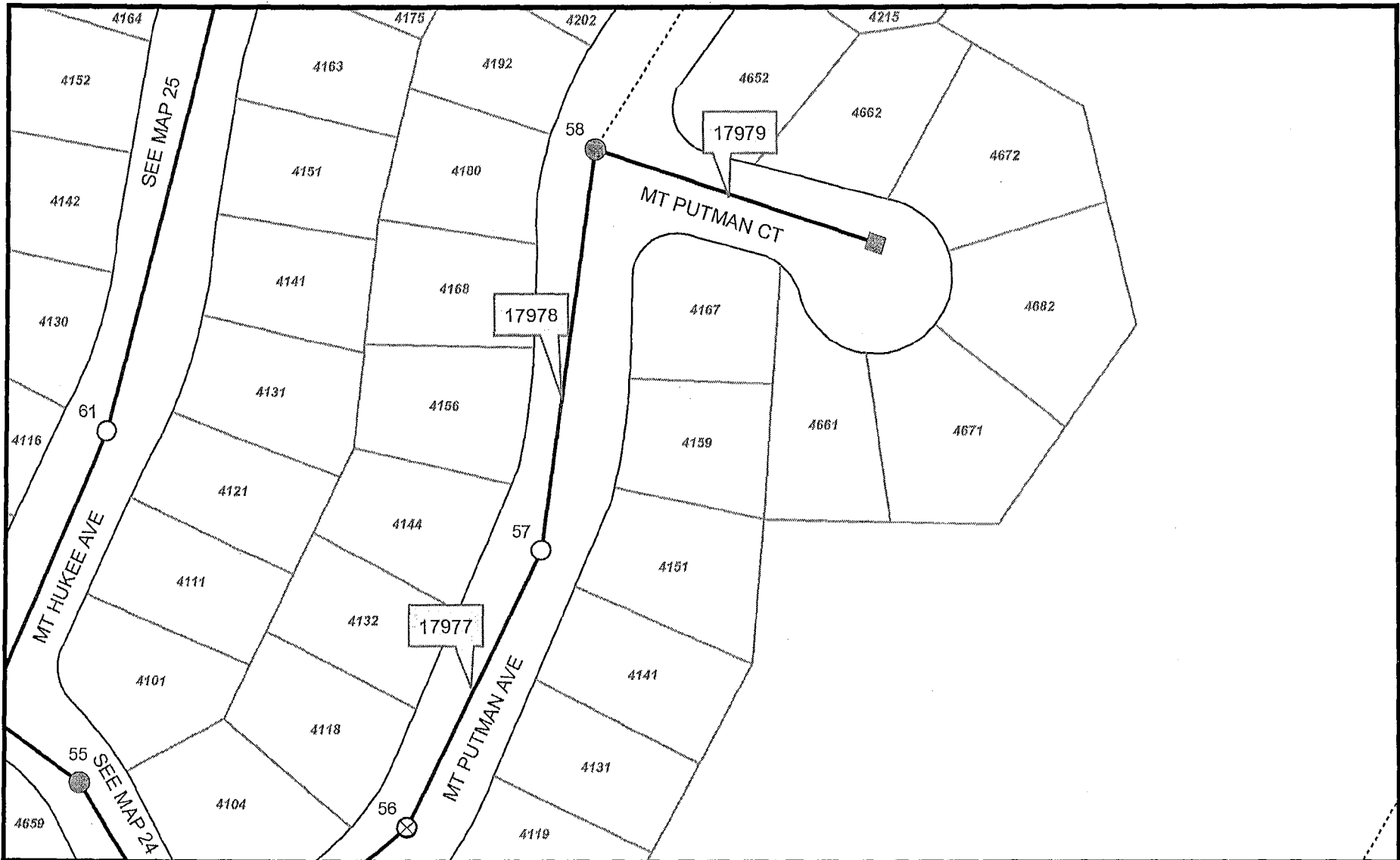
Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- - - EXISTING SEWER
- PROPOSED SEWER REHABILITATION
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



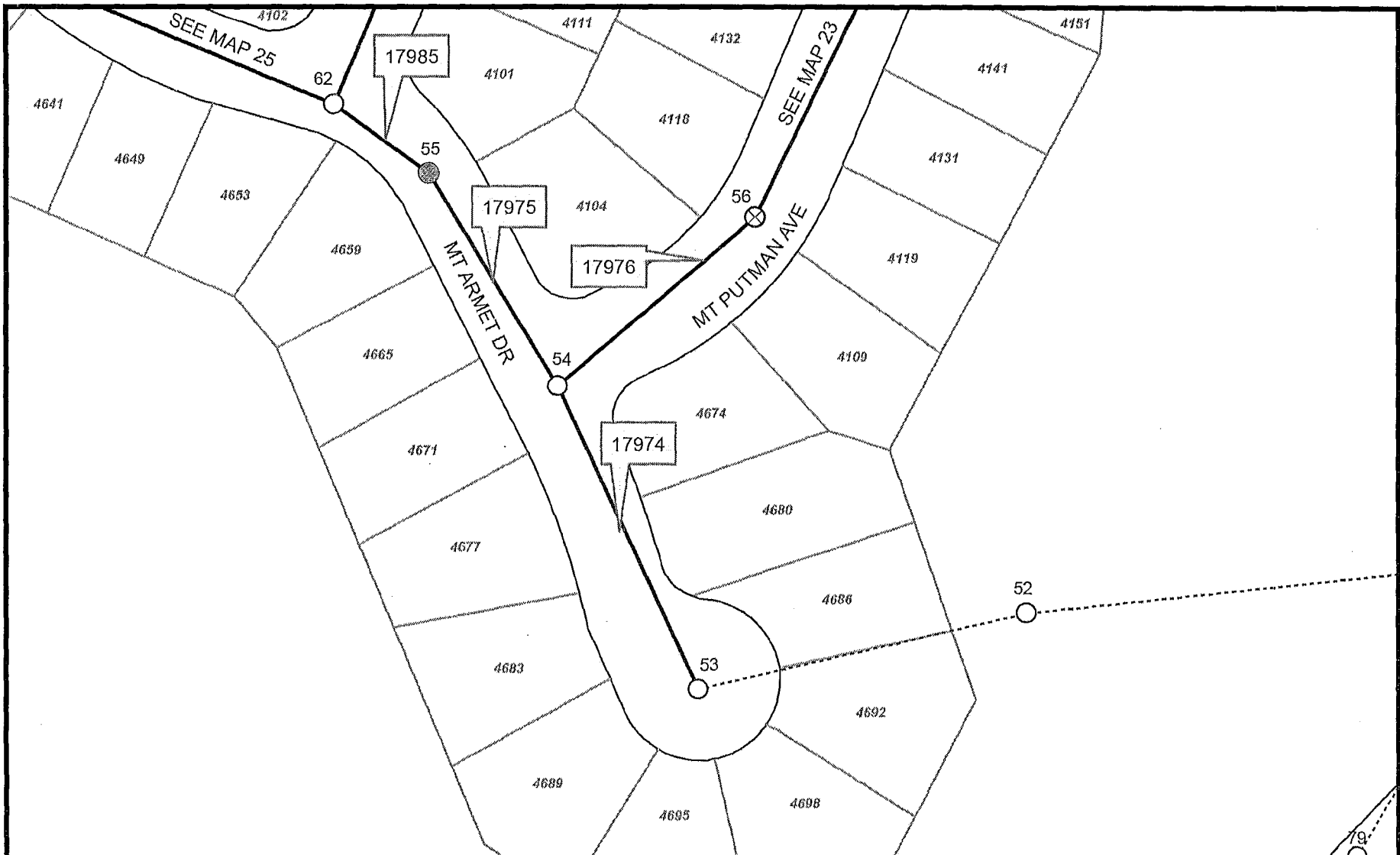
SD Public Works

PIPELINE REHABILITATION AM-1



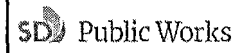
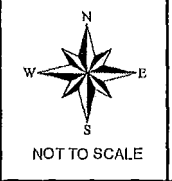
| | | | | |
|---|--|--|---------------------|--|
| Legend | | | <p>NOT TO SCALE</p> | |
| REPLACE SEWER MANHOLE REHAB MANHOLE W/POINT REPAIR INSTALL NEW CLEANOUT | REHABILITATE SEWER MANHOLE EXISTING MANHOLE PROPOSED SEWER REPLACEMENT | | | |

PIPELINE REHABILITATION AM-1

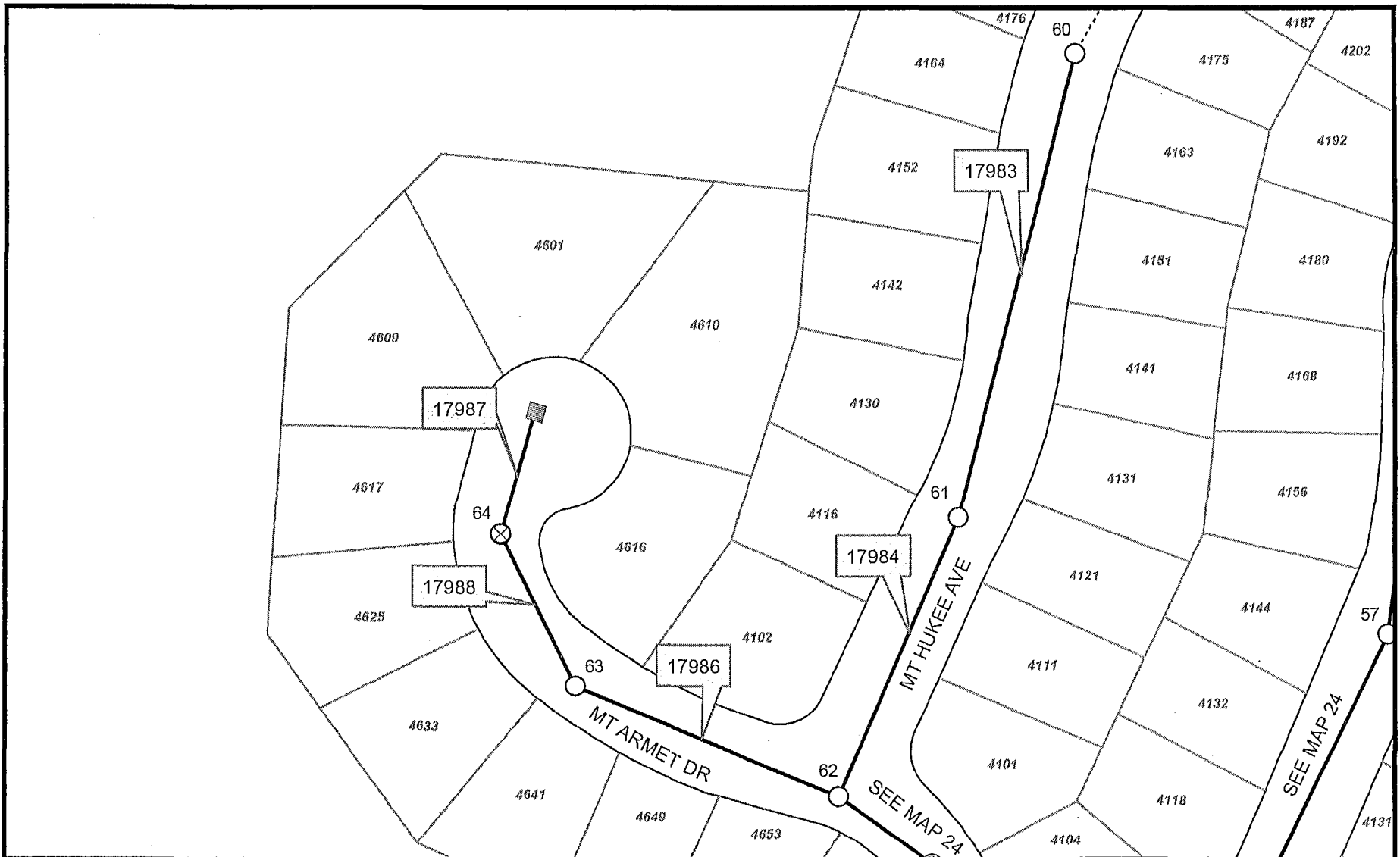


Legend

- | | | | | | |
|--|------------------------------|--|-------------------------------|--|---|
| | REPLACE SEWER MANHOLE | | REHABILITATE SEWER MANHOLE | | PROPOSED SEWER REHABILITATION WITH POINT REPAIR |
| | REHAB MANHOLE W/POINT REPAIR | | EXISTING MANHOLE | | EXISTING SEWER |
| | INSTALL NEW CLEANOUT | | PROPOSED SEWER REHABILITATION | | 12345 FSN (Facility Sequence Number) |
| | PROPOSED SEWER REPLACEMENT | | MANHOLE ID NUMBER | | |

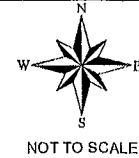


PIPELINE REHABILITATION AM-1



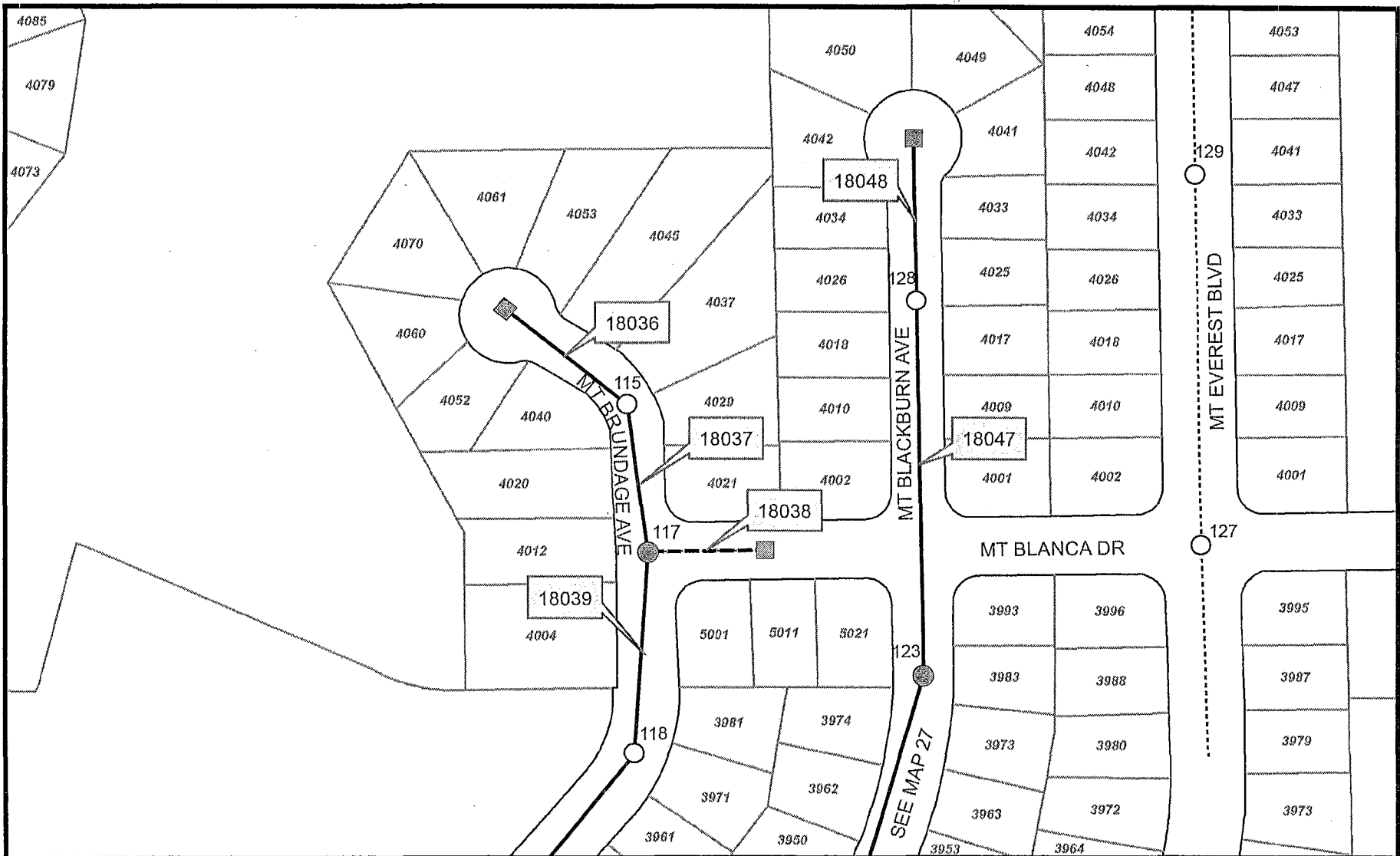
Legend

- ⊗ REPLACE SEWER MANHOLE
- △ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- REHABILITATE SEWER MANHOLE
- EXISTING MANHOLE
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- EXISTING SEWER
- 12345 FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER



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PIPELINE REHABILITATION AM-1



Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



SD Public Works

PIPELINE REHABILITATION AM-1



Legend

- ⊗ REPLACE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- REHABILITATE SEWER MANHOLE
- EXISTING MANHOLE
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- EXISTING SEWER
- 12345 FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER



SD Public Works

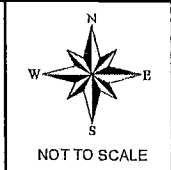
PIPELINE REHABILITATION AM-1



Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)



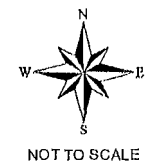
SD Public Works

PIPELINE REHABILITATION AM-1



Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- ⊠ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- EXISTING SEWER
- 12345 FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER

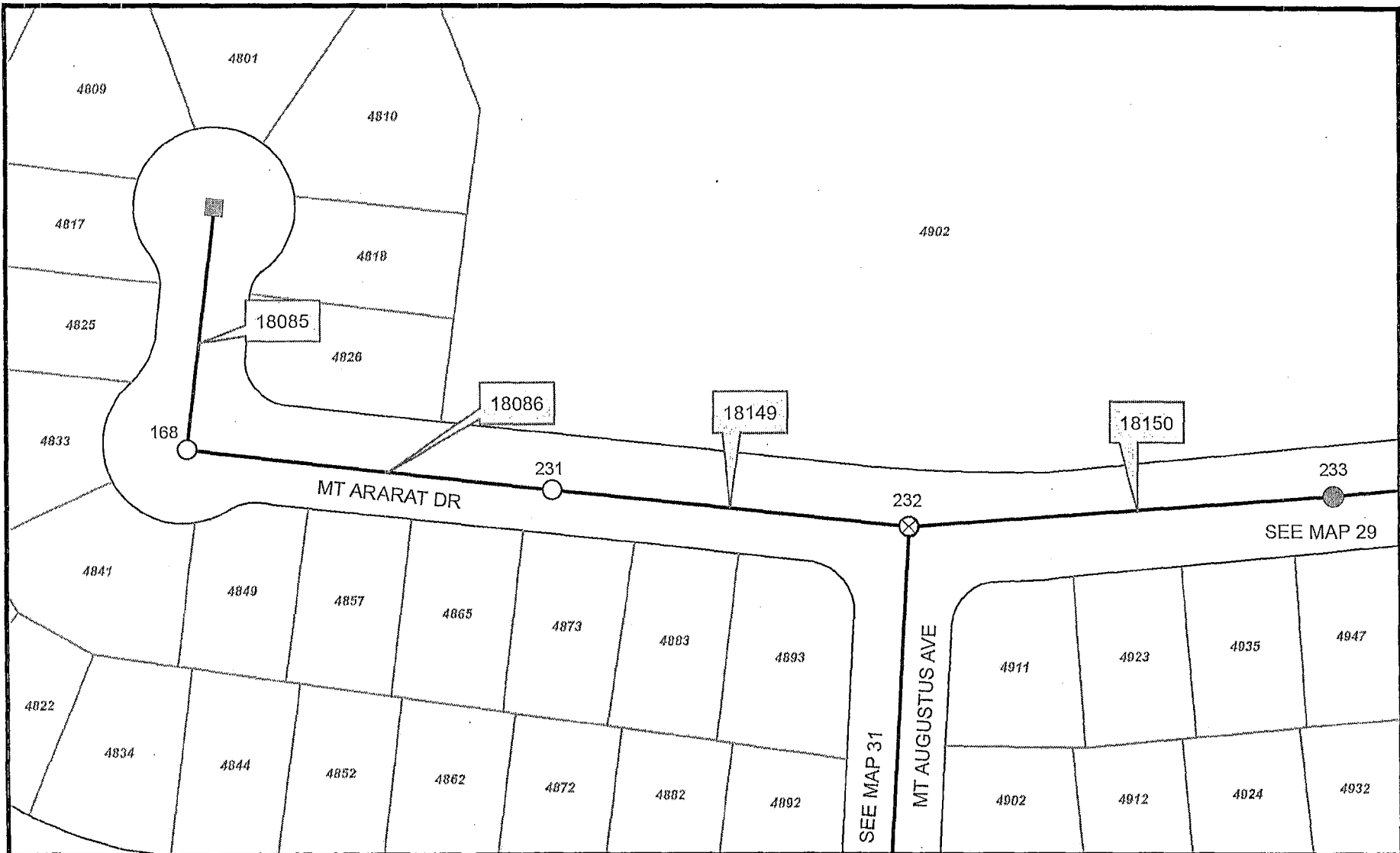


SD Public Works

SAP ID: B-16002

PIPELINE REHABILITATION AM-1

MAP NO. 30 OF 45



Legend

- REPLACE SEWER MANHOLE
- REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- REHABILITATE SEWER MANHOLE
- EXISTING MANHOLE
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- EXISTING SEWER
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



SD Public Works

COMMUNITY NAME: CLAIREMONT MESA

COUNCIL DISTRICT: 6

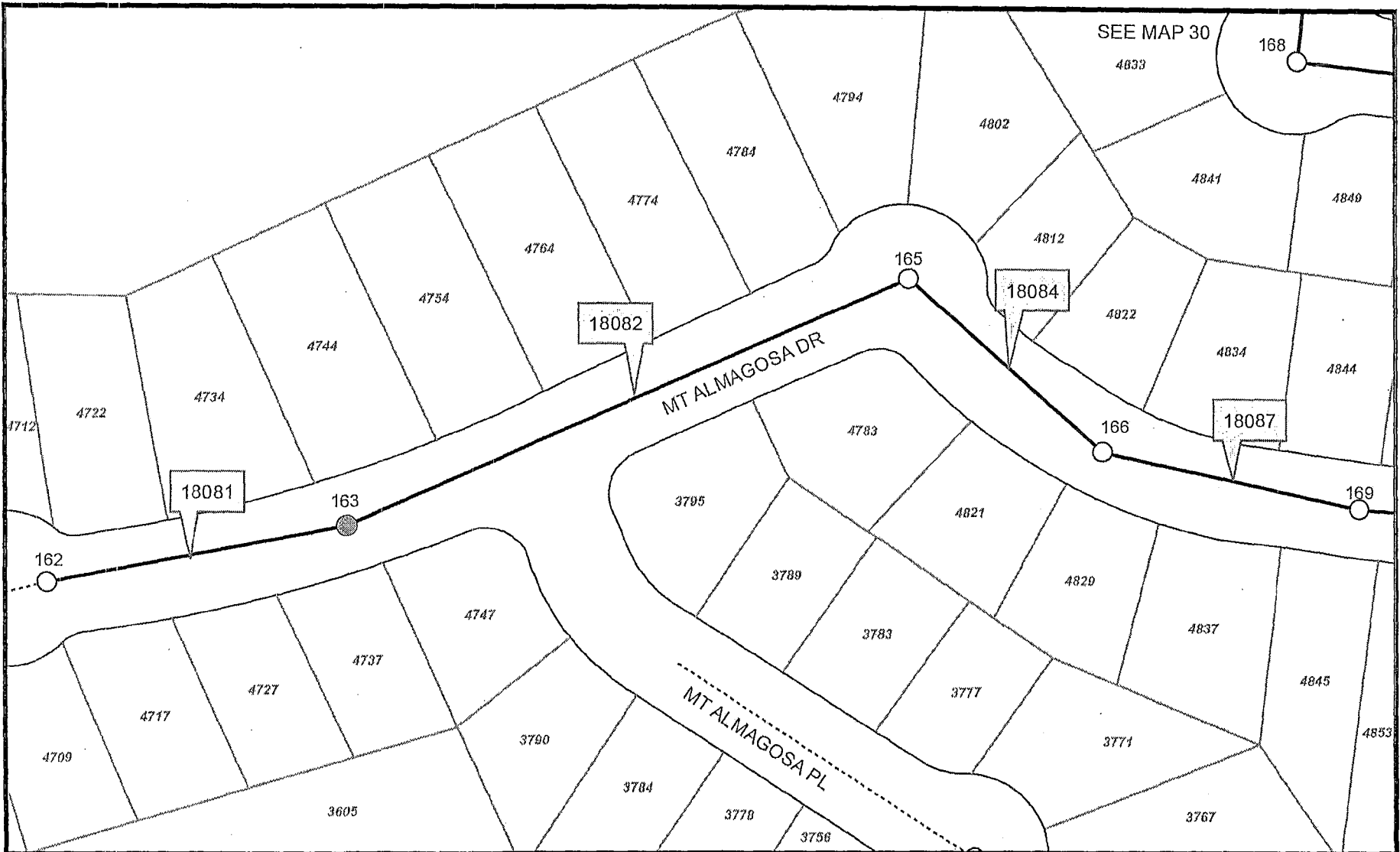
THOMAS BROS. MAP: PAGE 1248F4

PIPELINE REHABILITATION AM-1



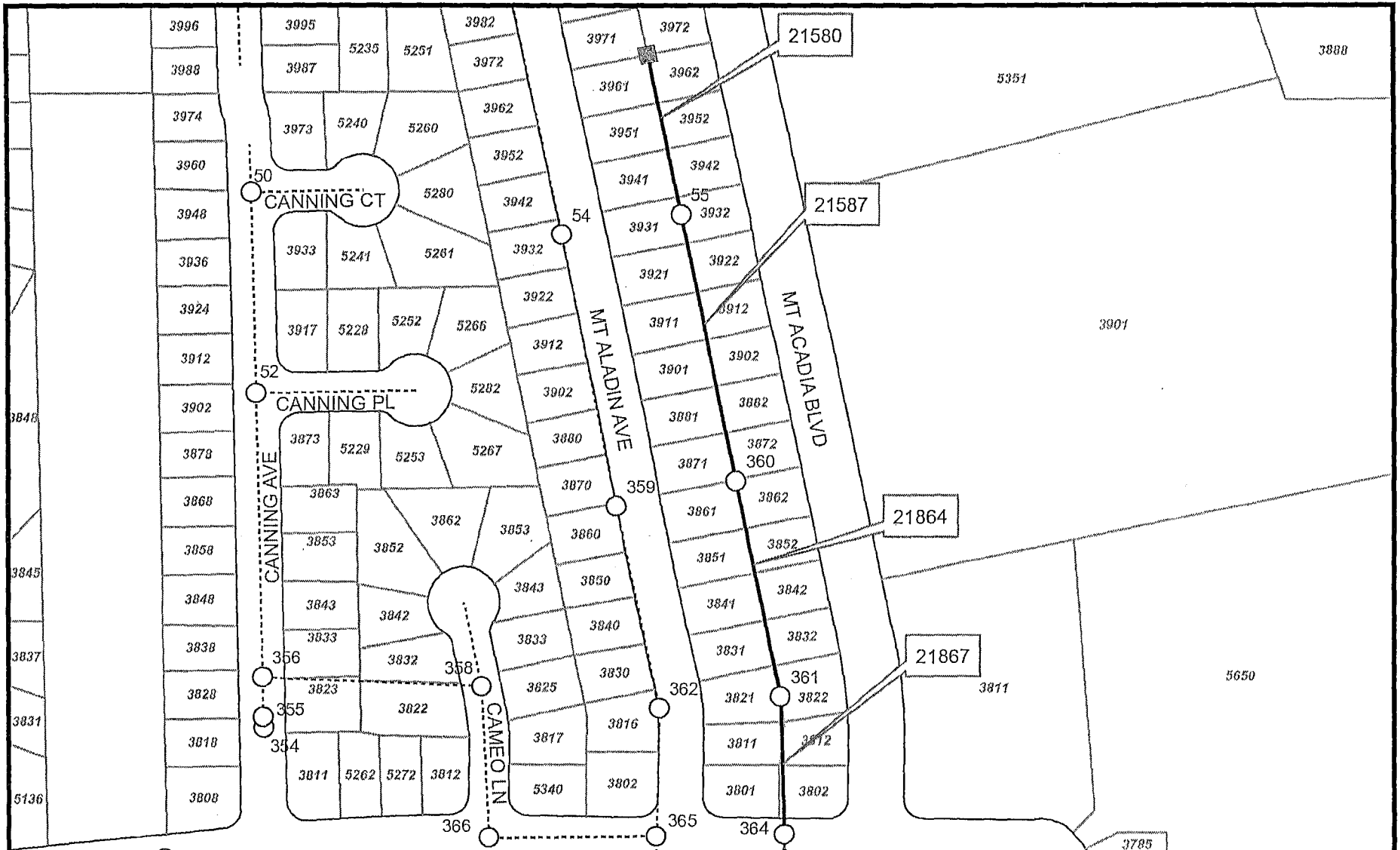
| | | | | | |
|------------------------------|-------------------------------|---|--|--------------|--|
| REPLACE SEWER MANHOLE | REHABILITATE SEWER MANHOLE | PROPOSED SEWER REHABILITATION WITH POINT REPAIR | | NOT TO SCALE | |
| REHAB MANHOLE W/POINT REPAIR | EXISTING MANHOLE | EXISTING SEWER | | | |
| INSTALL NEW CLEANOUT | PROPOSED SEWER REHABILITATION | 12345 FSN (Facility Sequence Number) | | | |
| | 123 MANHOLE ID NUMBER | | | | |

PIPELINE REHABILITATION AM-1



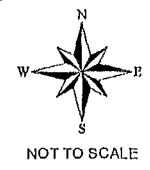
| | | | |
|------------------------------|-------------------------------|---|------------------|
| REPLACE SEWER MANHOLE | REHABILITATE SEWER MANHOLE | PROPOSED SEWER REHABILITATION WITH POINT REPAIR | |
| REHAB MANHOLE W/POINT REPAIR | EXISTING MANHOLE | EXISTING SEWER | |
| INSTALL NEW CLEANOUT | PROPOSED SEWER REHABILITATION | FSN (Facility Sequence Number) | NOT TO SCALE |
| PROPOSED SEWER REPLACEMENT | MANHOLE ID NUMBER | | |

PIPELINE REHABILITATION AM-1



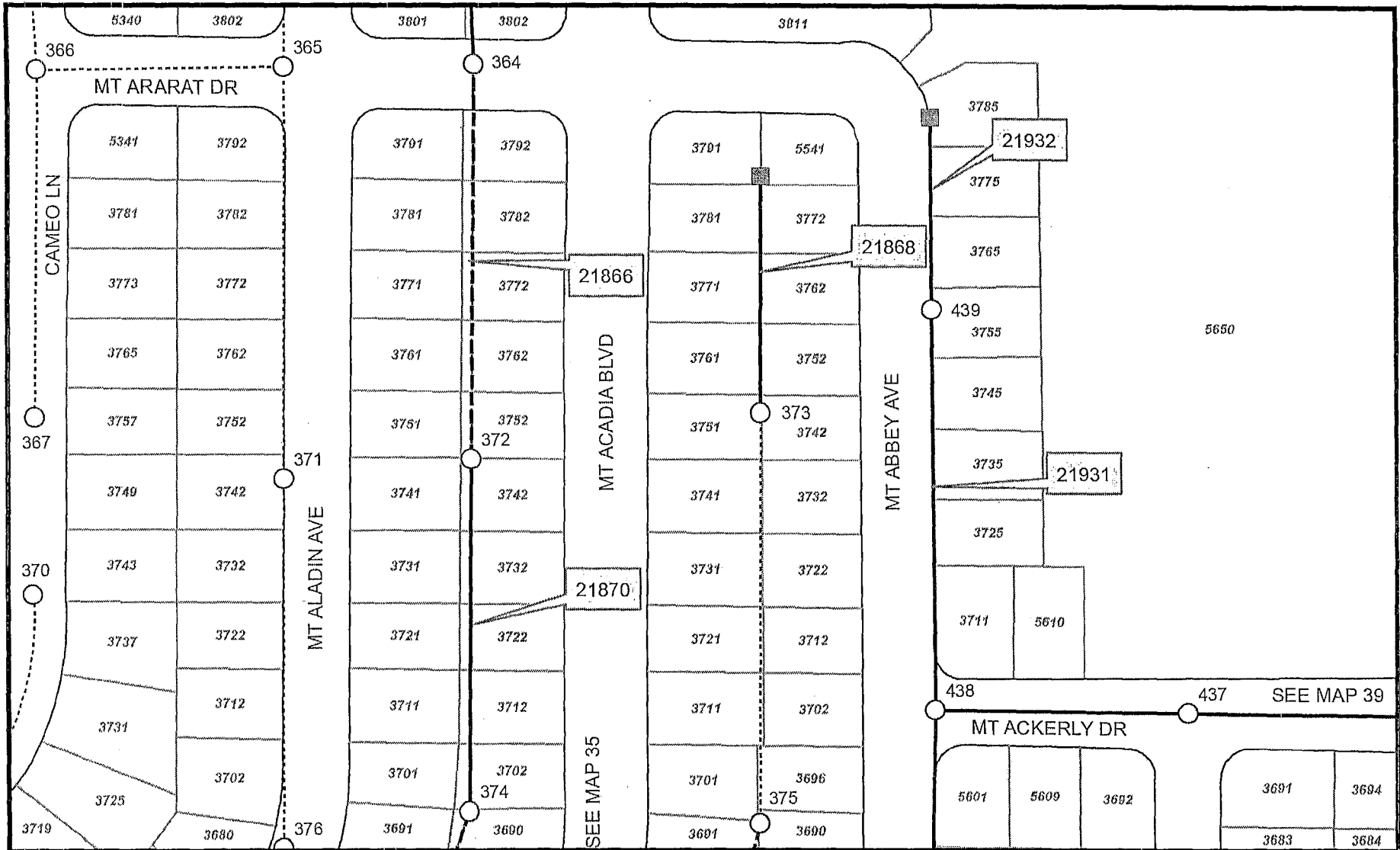
Legend

- ⊗ REPLACE SEWER MANHOLE
- ⊠ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- REHABILITATE SEWER MANHOLE
- EXISTING MANHOLE
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- EXISTING SEWER
- PROPOSED SEWER REHABILITATION
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



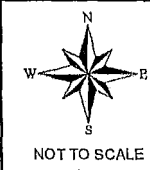
SD Public Works

PIPELINE REHABILITATION AM-1



Legend

- ⊗ REPLACE SEWER MANHOLE
- ⊙ REHAB MANHOLE W/POINT REPAIR
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REPLACEMENT
- ⊙ EXISTING MANHOLE
- PROPOSED SEWER REHABILITATION
- EXISTING SEWER
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR



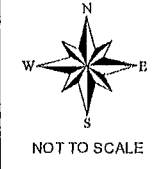
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PIPELINE REHABILITATION AM-1



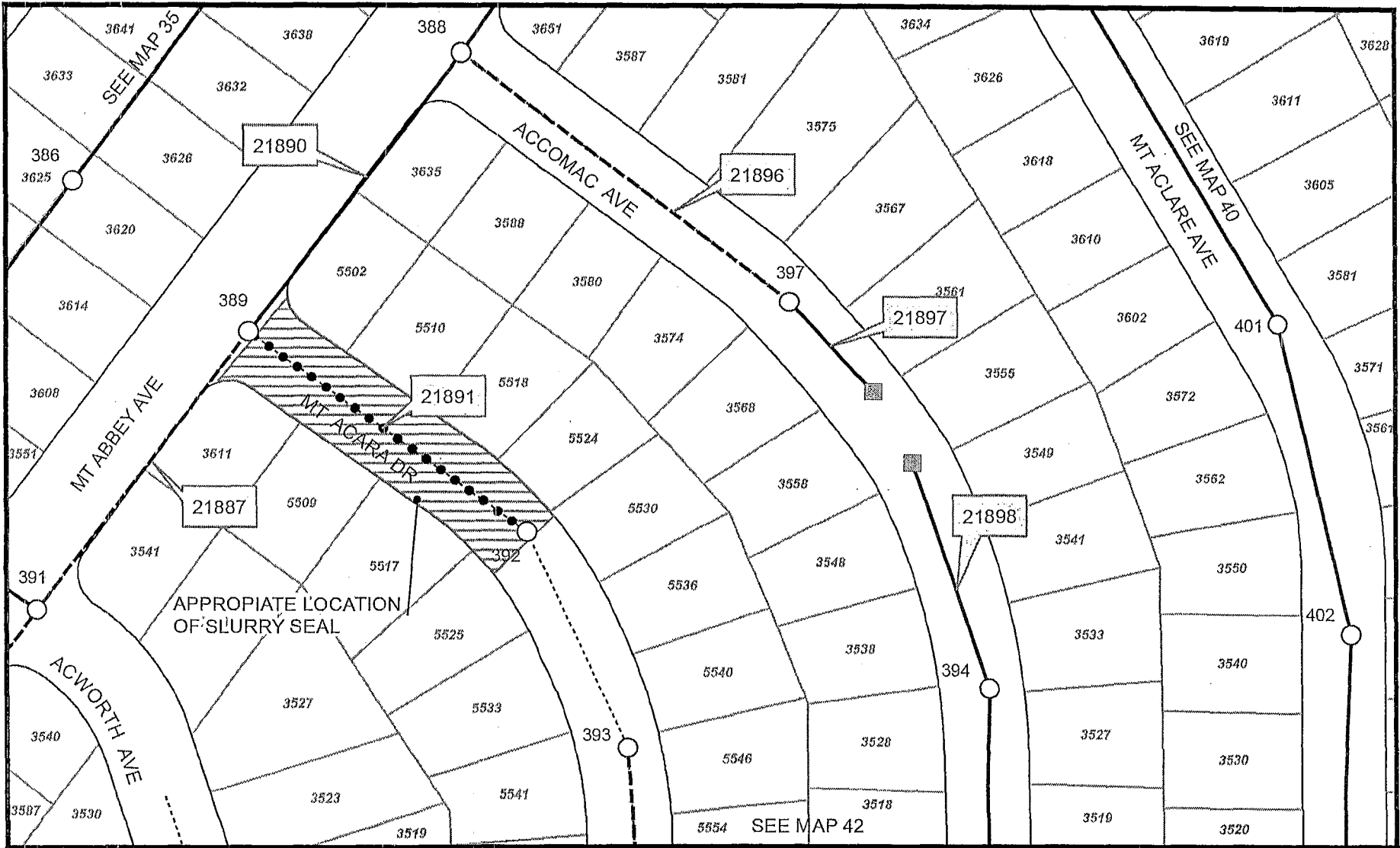
Legend

- ⊗ REPLACE SEWER MANHOLE
- ⬤ REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



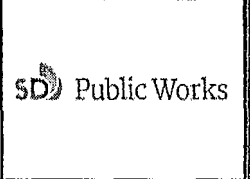
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PIPELINE REHABILITATION AM-1



Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



PIPELINE REHABILITATION AM-1



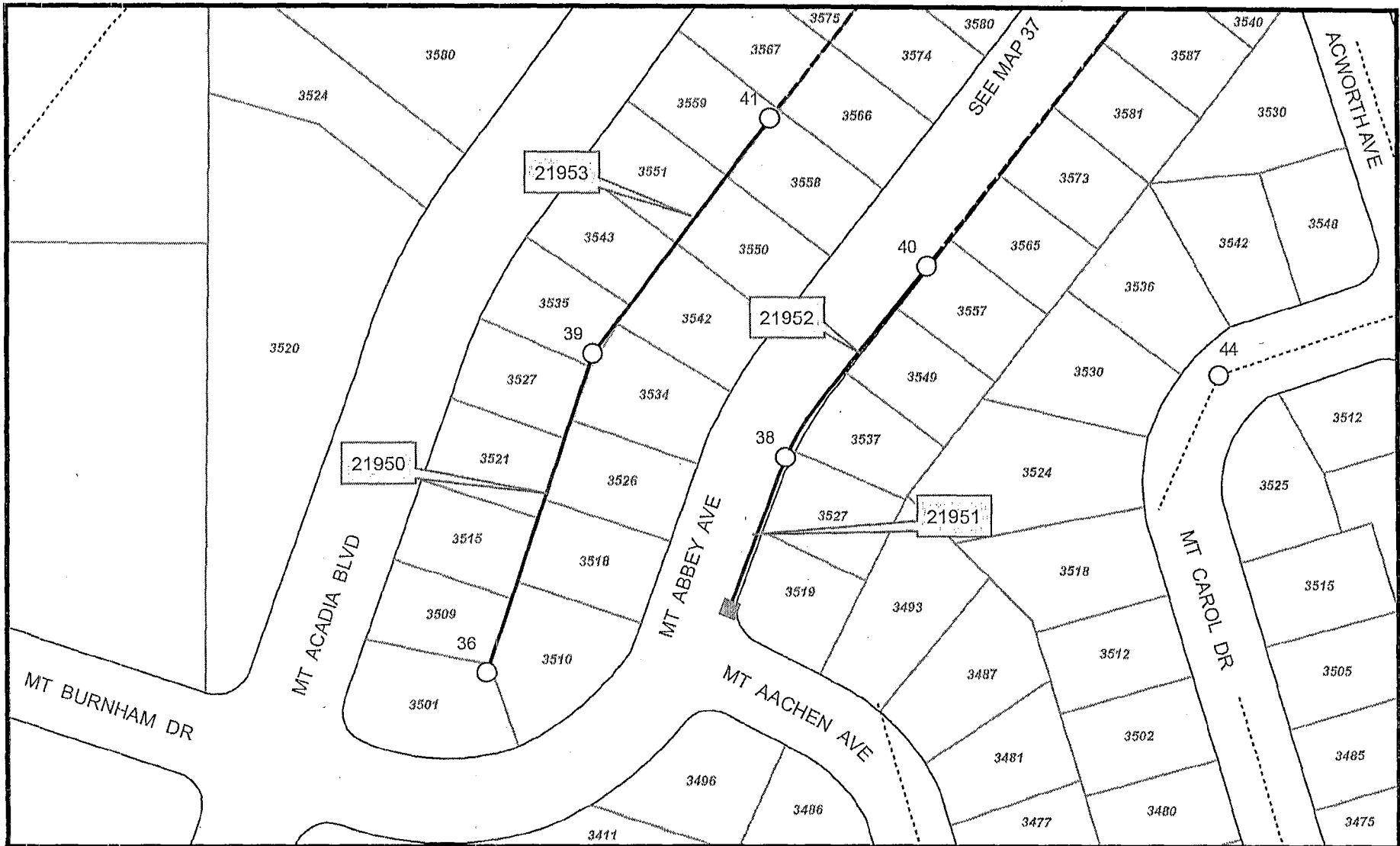
Legend

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- ⊙ REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



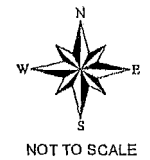
Public Works

PIPELINE REHABILITATION AM-1



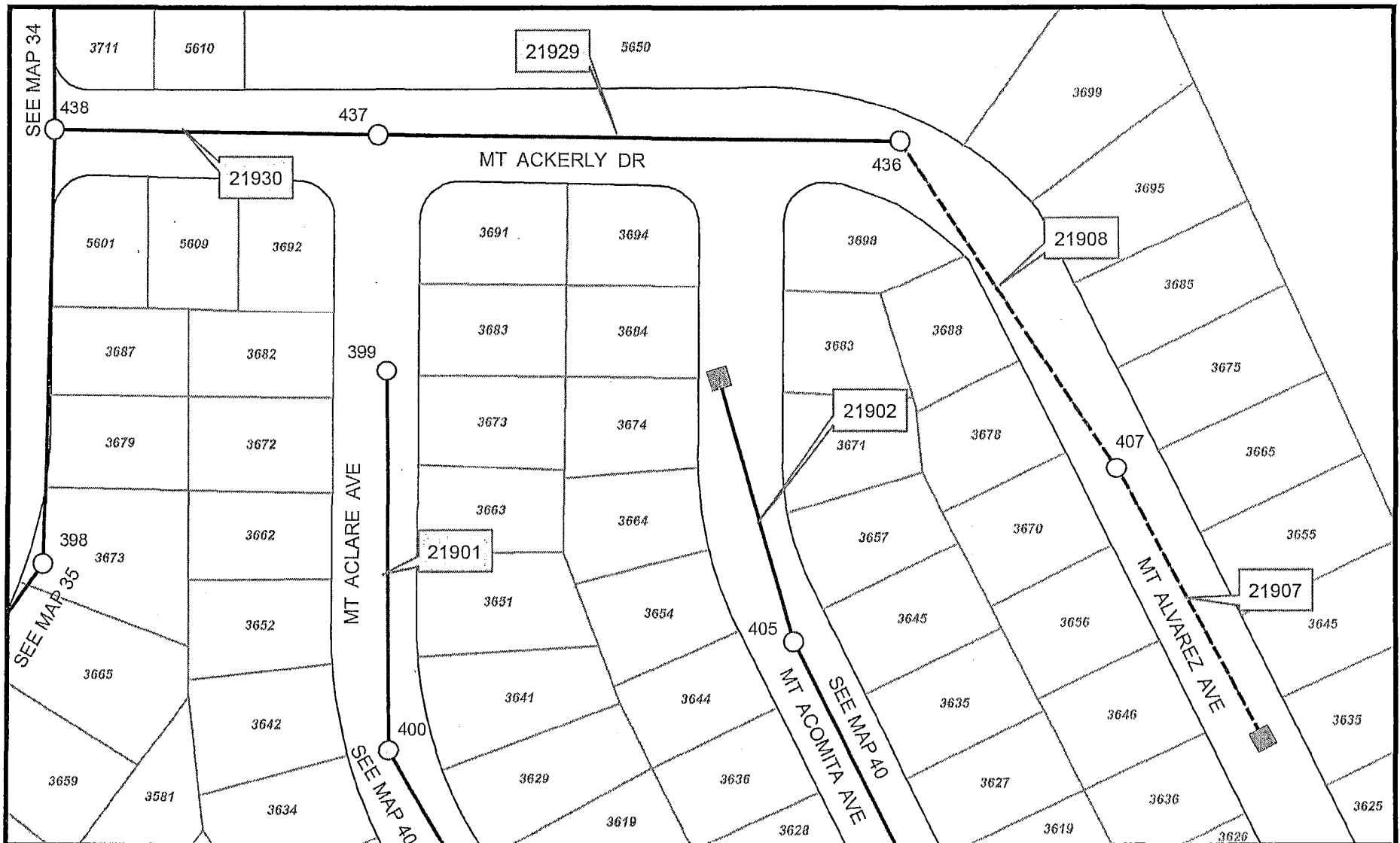
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- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



SD Public Works

PIPELINE REHABILITATION AM-1



| | | | |
|------------------------------|-------------------------------|---|--------------|
| REPLACE SEWER MANHOLE | REHABILITATE SEWER MANHOLE | PROPOSED SEWER REHABILITATION WITH POINT REPAIR | |
| REHAB MANHOLE W/POINT REPAIR | EXISTING MANHOLE | EXISTING SEWER | |
| INSTALL NEW CLEANOUT | PROPOSED SEWER REHABILITATION | PROPOSED SEWER REPLACEMENT | NOT TO SCALE |

12345 FSN (Facility Sequence Number)
123 MANHOLE ID NUMBER

PIPELINE REHABILITATION AM-1



Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)

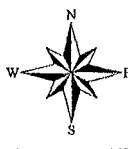



NOT TO SCALE

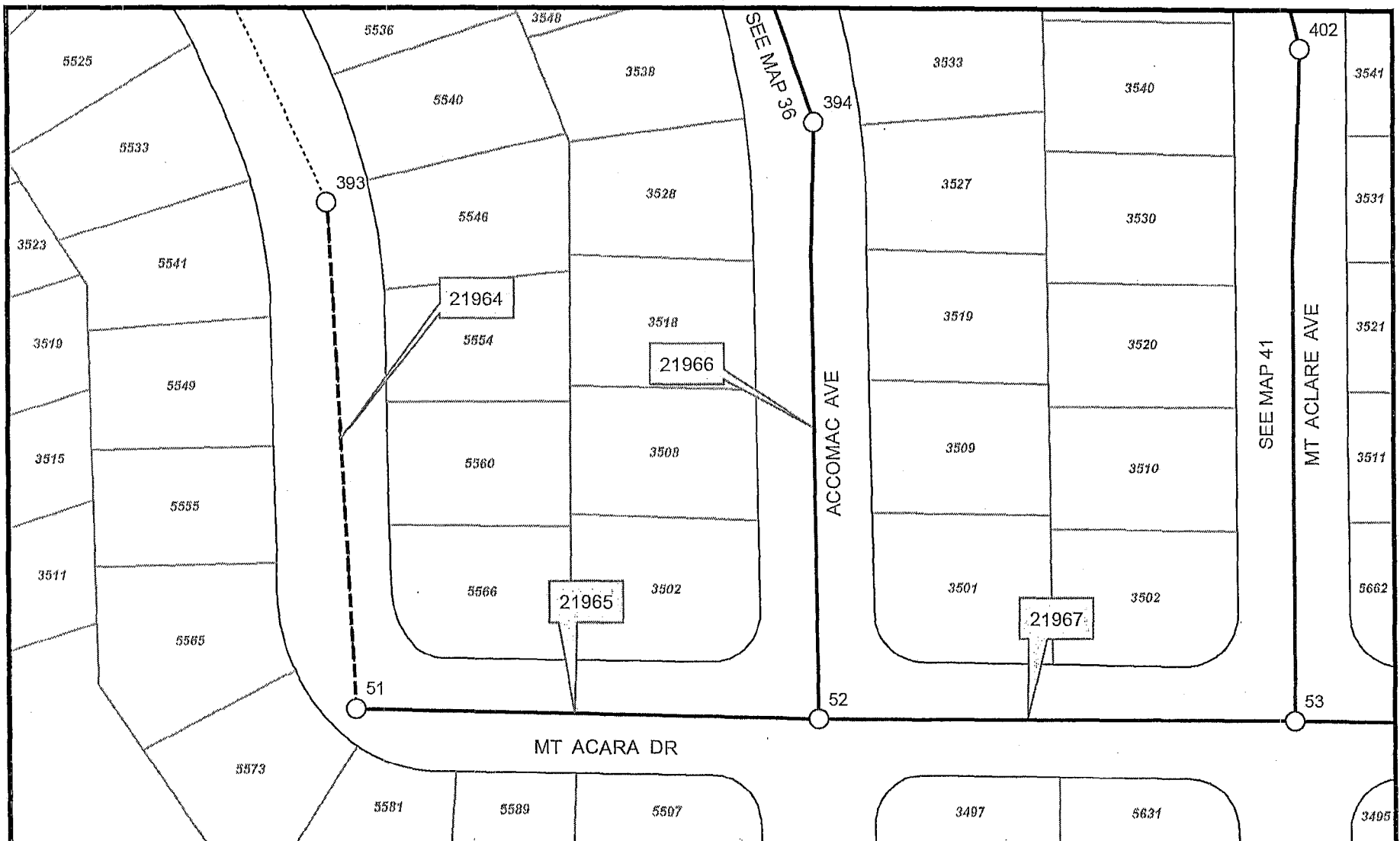
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PIPELINE REHABILITATION AM-1



| | | | |
|---|---|---|---|
| Legend | |  NOT TO SCALE |  |
| ⊗ REPLACE SEWER MANHOLE ▲ REHAB MANHOLE W/POINT REPAIR ■ INSTALL NEW CLEANOUT | ● REHABILITATE SEWER MANHOLE ○ EXISTING MANHOLE — PROPOSED SEWER REHABILITATION ●●● PROPOSED SEWER REPLACEMENT | | |

PIPELINE REHABILITATION AM-1



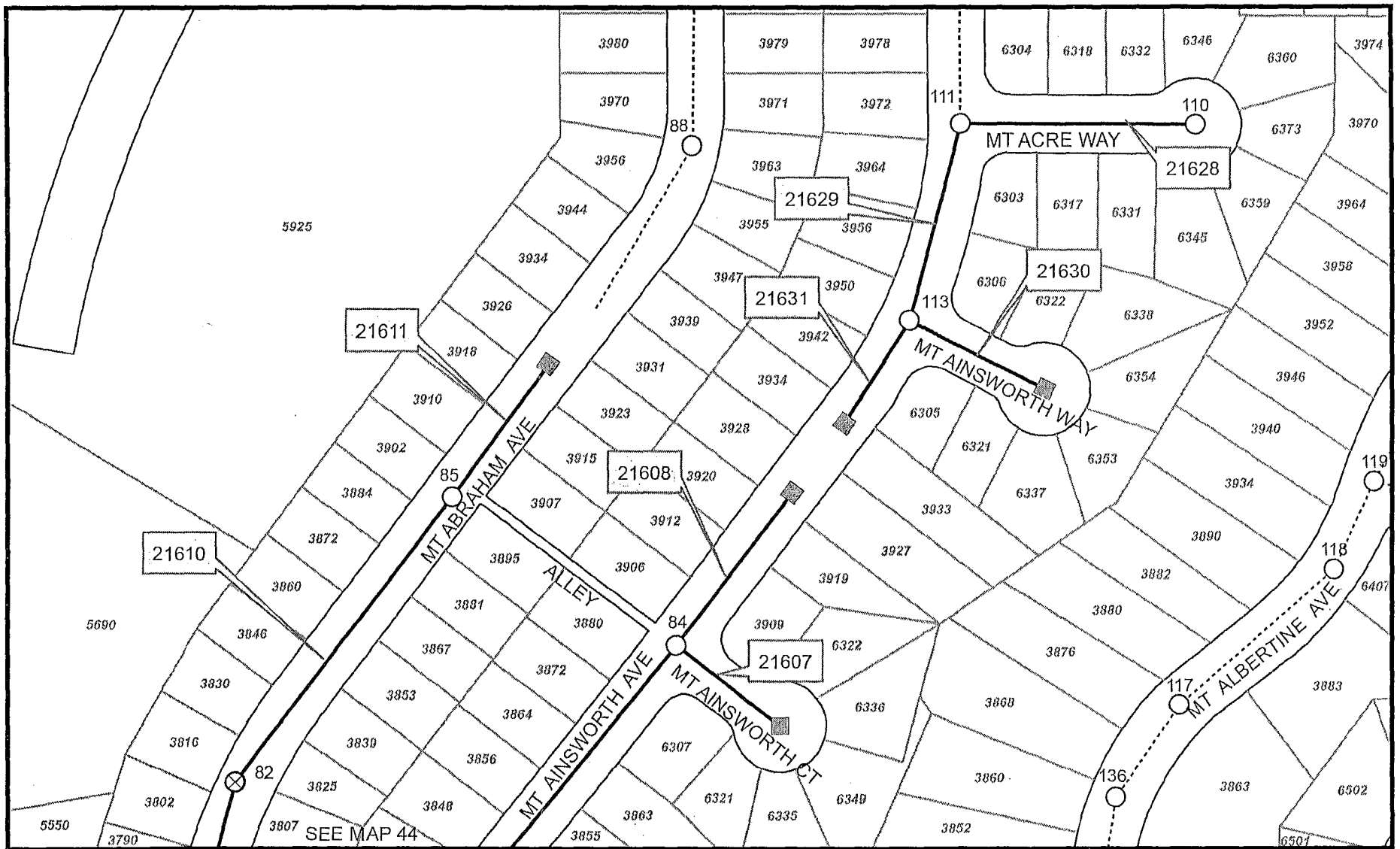
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- REHABILITATE SEWER MANHOLE
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- EXISTING SEWER
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REHABILITATION
- PROPOSED SEWER REPLACEMENT
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)



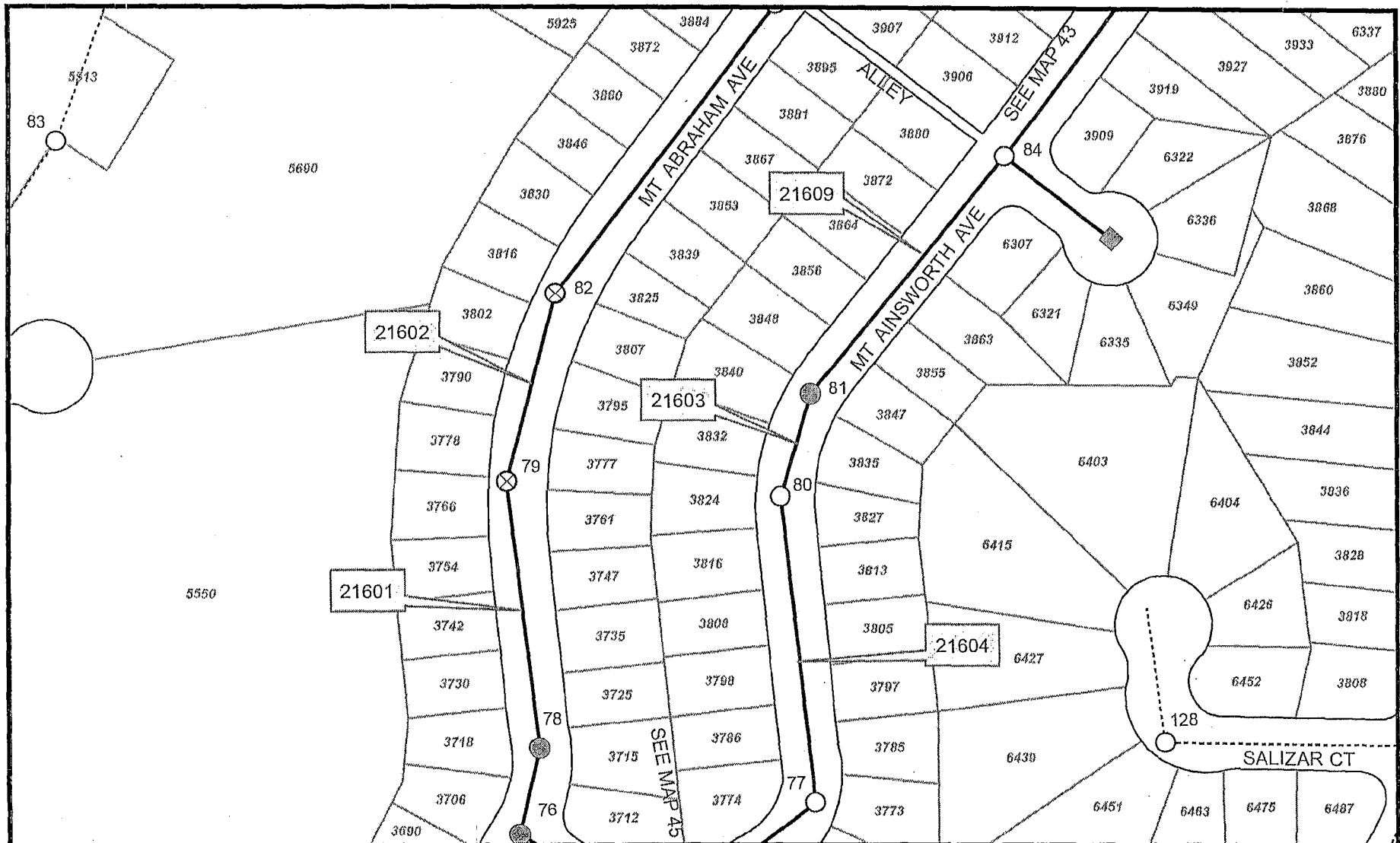
SD Public Works

PIPELINE REHABILITATION AM-1



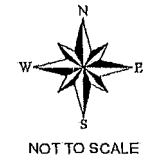
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| | REPLACE SEWER MANHOLE | | REHABILITATE SEWER MANHOLE | | PROPOSED SEWER REHABILITATION WITH POINT REPAIR | | | SD Public Works |
| | REHAB MANHOLE W/POINT REPAIR | | EXISTING MANHOLE | | EXISTING SEWER | | | |
| | INSTALL NEW CLEANOUT | | PROPOSED SEWER REHABILITATION | | PROPOSED SEWER REPLACEMENT | 12345 FSN (Facility Sequence Number) | | |
| | | | | | | 123 MANHOLE ID NUMBER | | |

PIPELINE REHABILITATION AM-1



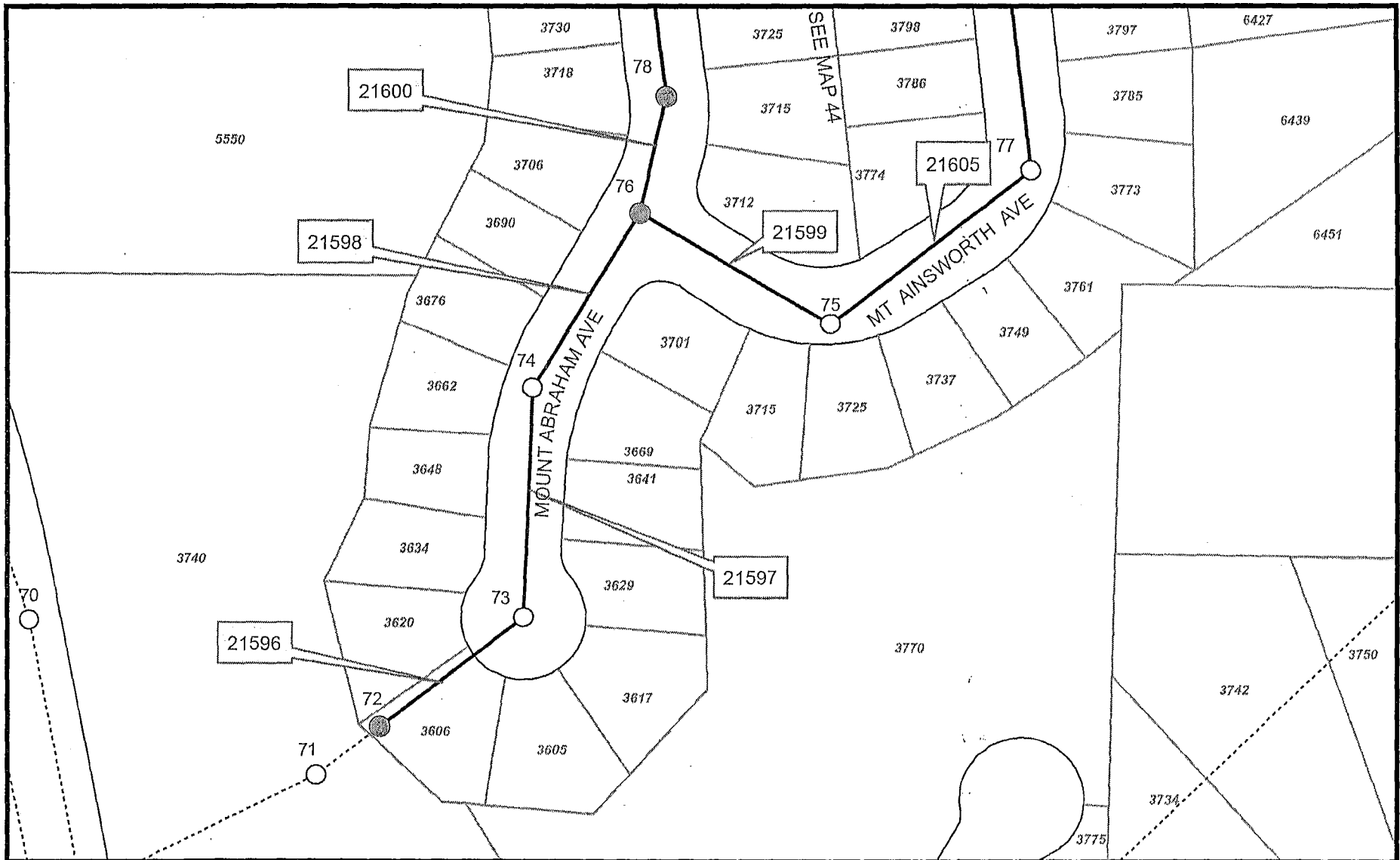
Legend

- ⊗ REPLACE SEWER MANHOLE
- REHABILITATE SEWER MANHOLE
- ▲ REHAB MANHOLE W/POINT REPAIR
- EXISTING MANHOLE
- INSTALL NEW CLEANOUT
- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION WITH POINT REPAIR
- EXISTING SEWER
- 12345 FSN (Facility Sequence Number)
- 123 MANHOLE ID NUMBER



SD Public Works

PIPELINE REHABILITATION AM-1



| | | | | | |
|--|------------------------------|--|-------------------------------|--|---|
| | REPLACE SEWER MANHOLE | | REHABILITATE SEWER MANHOLE | | PROPOSED SEWER REHABILITATION WITH POINT REPAIR |
| | REHAB MANHOLE W/POINT REPAIR | | EXISTING MANHOLE | | EXISTING SEWER |
| | INSTALL NEW CLEANOUT | | PROPOSED SEWER REHABILITATION | | PROPOSED SEWER REPLACEMENT |

12345 FSN (Facility Sequence Number)

123 MANHOLE ID NUMBER



Public Works

APPENDIX I
PROJECT SCOPE OF WORK TABLE



PIPE REHABILITATION AM-1 (B-16002)
REHABILITATION PIPES

| MAP SHT No. | THOMAS BRO | STREET NAME | FSN | LENGTH | SIZE | MATERIAL | ACTION | DS MH | DS MH IE | DS MH DEPTH | US MH | US MH IE | US MH DEPTH | COUNCIL DISTRICT | COMMUNITY | GATE PAGE |
|-------------|------------|-------------|-------|--------|------|----------|--------------------|-------|----------|-------------|-------|----------|-------------|------------------|-----------------|-----------|
| 1 | 1228E6 | LODI | 13354 | 250 | 8 | VC | REHAB | 162 | 325.43 | 7 | 161 | 326.43 | 8 | 6 | CLAIREMONT MESA | D105 |
| 1 | 1228D6 | LODI | 13355 | 280 | 8 | VC | REHAB | 163 | 324.31 | 12 | 162 | 325.43 | 7 | 6 | CLAIREMONT MESA | D105 |
| 1 | 1228D6 | EASEMENT | 13356 | 30 | 8 | VC | REHAB | 164 | 324.19 | 19 | 163 | 324.31 | 12 | 6 | CLAIREMONT MESA | D105 |
| 1 | 1228E6 | LODI | 16934 | 348 | 8 | VC | REHAB | 161 | 326.43 | 8 | 1 | 334.78 | 6 | 6 | CLAIREMONT MESA | E105 |
| 2 | 1228E6 | LODI | 16935 | 345 | 8 | VC | REHAB | 1 | 334.78 | 6 | 2 | 336.25 | 7 | 6 | CLAIREMONT MESA | E105 |
| 2 | 1228E6 | LODI | 16936 | 193 | 8 | VC | REHAB | 2 | 336.25 | 7 | PLUG | 343.62 | 9 | 6 | CLAIREMONT MESA | E105 |
| 3 | 1228D7 | AVONDALE | 13335 | 140 | 8 | VC | REHAB | 148 | 345.8 | 4 | PLUG | 346.51 | 4 | 6 | CLAIREMONT MESA | D105 |
| 3 | 1228D7 | GAYLORD | 13342 | 105 | 8 | VC | REHAB | 145 | 325.22 | 9 | PLUG | 136.75 | 6 | 6 | CLAIREMONT MESA | D105 |
| 4 | 1228D7 | ARLINGTON | 13332 | 110 | 8 | VC | REHAB | 138 | 346.04 | 5 | PLUG | 346.48 | 4 | 6 | CLAIREMONT MESA | D105 |
| 4 | 1228D7 | ARLINGTON | 13333 | 306 | 8 | VC | REHAB | 358 | 344.82 | 7 | 138 | 346.04 | 5 | 6 | CLAIREMONT MESA | D105 |
| 4 | 1228D7 | GAYLORD | 13334 | 257 | 8 | VC | POINT REPAIR/REHAB | 368 | 344.82 | 7 | 148 | 345.8 | 6 | 6 | CLAIREMONT MESA | D105 |
| 4 | 1228D7 | GAYLORD | 13609 | 421 | 8 | VC | REHAB | 158 | 343.54 | 7 | 368 | 344.82 | 7 | 6 | CLAIREMONT MESA | D115 |
| 5 | 1228D7 | ARGONNE | 13604 | 328 | 8 | VC | REHAB | 148 | 340.82 | 6 | 149 | 342.13 | 6 | 6 | CLAIREMONT MESA | D115 |
| 5 | 1228D7 | ARGONNE | 13605 | 304 | 8 | VC | REHAB | 149 | 342.13 | 6 | 150 | 343.35 | 6 | 6 | CLAIREMONT MESA | D115 |
| 5 | 1228D7 | ARGONNE | 13606 | 125 | 8 | VC | REHAB | 150 | 343.35 | 6 | PLUG | 343.85 | 4 | 6 | CLAIREMONT MESA | D115 |
| 5 | 1228D7 | GAYLORD | 13607 | 165 | 8 | VC | REHAB | 157 | 343.36 | 6 | PLUG | 344.02 | 5 | 6 | CLAIREMONT MESA | D115 |
| 5 | 1228D7 | GAYLORD | 13608 | 43 | 8 | VC | REHAB | 157 | 343.36 | 6 | 158 | 343.54 | 7 | 6 | CLAIREMONT MESA | D115 |
| 5 | 1228D7 | ARMITAGE | 13610 | 243 | 8 | VC | REHAB | 162 | 342.48 | 7 | 157 | 343.36 | 6 | 6 | CLAIREMONT MESA | D115 |
| 5 | 1228D7 | ARMITAGE | 13611 | 210 | 8 | VC | REHAB | 163 | 341.72 | 6 | 162 | 342.48 | 7 | 6 | CLAIREMONT MESA | D115 |
| 5 | 1228D7 | GLASGOW | 13612 | 250 | 8 | VC | REHAB | 148 | 340.82 | 6 | 163 | 341.72 | 6 | 6 | CLAIREMONT MESA | D115 |
| 5 | 1228D7 | EASEMENT | 13781 | 70 | 8 | VC | REHAB | 150 | 343.35 | 6 | PLUG | 344.05 | 6 | 6 | CLAIREMONT MESA | D115 |
| 6 | 1228D7 | GLASGOW | 13347 | 219 | 8 | VC | REHAB | 161 | 342.61 | 6 | 154 | 343.5 | 4 | 6 | CLAIREMONT MESA | D105 |
| 6 | 1228D7 | GLASGOW | 13613 | 250 | 8 | VC | REHAB | 163 | 341.72 | 6 | 161 | 342.61 | 6 | 6 | CLAIREMONT MESA | D115 |
| 6 | 1228D7 | BASCOMB | 13777 | 100 | 8 | VC | REHAB | 161 | 342.61 | 6 | PLUG | 343.22 | 5 | 6 | CLAIREMONT MESA | D115 |
| 7 | 1228D7 | MORLAN | 13599 | 200 | 8 | VC | REHAB | 145 | 342.67 | 6 | PLUG | 343.87 | 5 | 6 | CLAIREMONT MESA | D115 |
| 7 | 1228D7 | MORLAN | 13600 | 250 | 8 | VC | REHAB | 146 | 341.17 | 6 | 145 | 342.67 | 6 | 6 | CLAIREMONT MESA | D115 |
| 7 | 1228D7 | MORLAN | 13601 | 250 | 8 | VC | REHAB | 147 | 339.92 | 5 | 146 | 341.17 | 6 | 6 | CLAIREMONT MESA | D115 |
| 7 | 1228D7 | GLASGOW | 13603 | 250 | 8 | VC | REHAB | 147 | 339.92 | 5 | 148 | 340.82 | 6 | 6 | CLAIREMONT MESA | D115 |
| 8 | 1228D7 | MERRIMAC | 13593 | 250 | 8 | VC | REHAB | 138 | 339 | 5 | 139 | 340 | 6 | 6 | CLAIREMONT MESA | D115 |
| 8 | 1228D7 | MERRIMAC | 13594 | 250 | 8 | VC | REHAB | 139 | 340 | 6 | 140 | 341 | 6 | 6 | CLAIREMONT MESA | D115 |
| 8 | 1228D7 | MERRIMAC | 13595 | 200 | 8 | VC | REHAB | 140 | 341 | 8 | PLUG | 341.8 | 8 | 6 | CLAIREMONT MESA | D115 |
| 9 | 1228E7 | MERRIMAC | 13591 | 218 | 8 | VC | REHAB | 136 | 337.32 | 9 | 137 | 338.1 | 6 | 6 | CLAIREMONT MESA | D115 |
| 9 | 1228D7 | MERRIMAC | 13592 | 250 | 8 | VC | REHAB | 137 | 338.1 | 6 | 138 | 339 | 5 | 6 | CLAIREMONT MESA | D115 |
| 10 | 1248D1 | CONRAD | 13585 | 180 | 8 | VC | REHAB | 129 | 343.94 | 6 | PLUG | 345.02 | 5 | 6 | CLAIREMONT MESA | D115 |
| 10 | 1248D1 | CONRAD | 13586 | 290 | 8 | VC | REHAB | 130 | 342.2 | 6 | 129 | 343.94 | 6 | 6 | CLAIREMONT MESA | D115 |
| 10 | 1248D1 | CONRAD | 13587 | 290 | 8 | VC | REHAB | 131 | 340.46 | 7 | 130 | 342.2 | 6 | 6 | CLAIREMONT MESA | D115 |
| 11 | 1248D1 | CONRAD | 13588 | 290 | 8 | VC | REHAB | 133 | 338.72 | 10 | 131 | 340.46 | 7 | 6 | CLAIREMONT MESA | D115 |
| 11 | 1248E1 | CONRAD | 13589 | 290 | 8 | VC | REHAB | 134 | 336.98 | 10 | 133 | 338.72 | 10 | 6 | CLAIREMONT MESA | D115 |
| 11 | 1248E1 | CONRAD | 17240 | 290 | 8 | VC | REHAB | 24 | 335.24 | 11 | 134 | 336.98 | 10 | 6 | CLAIREMONT MESA | D115 |
| 12 | 1248E1 | CONRAD | 17241 | 289 | 8 | VC | REHAB | 24 | 335.24 | 11 | 23 | 336.4 | 11 | 6 | CLAIREMONT MESA | E115 |
| 12 | 1248E1 | CONRAD | 17242 | 340 | 8 | VC | REHAB | 23 | 336.4 | 11 | 22 | 347.62 | 6 | 6 | CLAIREMONT MESA | E115 |
| 12 | 1248E1 | CONRAD | 17243 | 337 | 8 | VC | REHAB | 22 | 347.62 | 6 | 21 | 354.59 | 6 | 6 | CLAIREMONT MESA | E115 |
| 13 | 1228E7 | EASEMENT | 17232 | 220 | 8 | VC | REHAB | 18 | 348.74 | 10 | 14 | 350.94 | 10 | 6 | CLAIREMONT MESA | E115 |
| 13 | 1228E7 | APPLETON | 17235 | 330 | 8 | VC | REHAB | 17 | 347.43 | 6 | 18 | 348.74 | 10 | 6 | CLAIREMONT MESA | E115 |
| 13 | 1228E7 | APPLETON | 17236 | 300 | 8 | VC | REHAB | 16 | 345.21 | 6 | 17 | 347.43 | 6 | 6 | CLAIREMONT MESA | E115 |
| 13 | 1228E7 | APPLETON | 17237 | 185 | 8 | VC | REHAB | 15 | 343.83 | 6 | 16 | 345.21 | 6 | 6 | CLAIREMONT MESA | E115 |
| 14 | 1228E7 | BILTMORE | 13615 | 60 | 8 | VC | REHAB | 172 | 341.42 | 5 | PLUG | 341.66 | 4 | 6 | CLAIREMONT MESA | D115 |
| 14 | 1228E7 | CAPEHART | 13617 | 83 | 8 | VC | REHAB | 165 | 340.29 | 5 | 168 | 340.63 | 5 | 6 | CLAIREMONT MESA | D115 |
| 14 | 1228E7 | CAPEHART | 13618 | 252 | 8 | VC | REHAB | 164 | 339.28 | 4 | 165 | 340.29 | 5 | 6 | CLAIREMONT MESA | D115 |
| 14 | 1228E7 | BILTMORE | 13622 | 200 | 8 | VC | REHAB | 173 | 343 | 6 | PLUG | 344 | 6 | 6 | CLAIREMONT MESA | D115 |
| 15 | 1248F2 | MT LAUDO | 17754 | 300 | 8 | VC | REHAB | 176 | 327.78 | 6 | 178 | 326.58 | 7 | 6 | CLAIREMONT MESA | E125 |
| 15 | 1248F2 | MT LAUDO | 17756 | 283 | 8 | VC | REHAB | 178 | 326.58 | 7 | 182 | 325.45 | 8 | 6 | CLAIREMONT MESA | E125 |
| 16 | 1248F2 | MT JEFFERS | 17757 | 130 | 8 | VC | REHAB | 182 | 325.45 | 8 | 181 | 324.93 | 8 | 6 | CLAIREMONT MESA | E125 |
| 16 | 1248F3 | MT JEFFERS | 17758 | 275 | 8 | VC | REHAB | 181 | 324.93 | 8 | 194 | 323.83 | 7 | 6 | CLAIREMONT MESA | E125 |
| 16 | 1248F3 | MT JEFFERS | 17772 | 250 | 8 | VC | REHAB | 194 | 323.83 | 7 | 195 | 322.83 | 6 | 6 | CLAIREMONT MESA | E125 |
| 17 | 1248F3 | MT PUTMAN | 17768 | 149 | 8 | VC | REHAB | 191 | 320.4 | 7 | 192 | 321 | 6 | 6 | CLAIREMONT MESA | E125 |
| 17 | 1248F3 | MT HORTON | 17769 | 115 | 8 | VC | REHAB | 197 | 321.72 | 5 | 192 | 321 | 6 | 6 | CLAIREMONT MESA | E125 |

PIPE REHABILITATION AM-1 (B-16002)
REHABILITATION PIPES

| MAP SHT No. | THOMAS BRO | STREET NAME | FSN | LENGTH | SIZE | MATERIAL | ACTION | DS MH | DS MH IE | DS MH DEPTH | US MH | US MH IE | US MH DEPTH | COUNCIL DISTRICT | COMMUNITY | GATE PAGE |
|-------------|------------|--------------|-------|--------|------|----------|--------------------|-------|----------|-------------|-------|----------|-------------|------------------|-----------------|-----------|
| 17 | 1248F3 | MT PUTMAN | 17770 | 212 | 8 | VC | REHAB | 192 | 321 | 6 | 193 | 322.56 | 6 | 6 | CLAIREMONT MESA | E12S |
| 17 | 1248F3 | MT HORTON | 17773 | 117 | 8 | VC | REHAB | 195 | 322.83 | 6 | 196 | 322.35 | 6 | 6 | CLAIREMONT MESA | E12S |
| 17 | 1248F3 | MT HORTON | 17774 | 100 | 8 | VC | REHAB | 196 | 322.35 | 6 | 197 | 321.72 | 5 | 6 | CLAIREMONT MESA | E12S |
| 18 | 1248F2 | MT PUTMAN | 17755 | 350 | 8 | VC | REHAB | 180 | 324.29 | 6 | 179 | 327.65 | 6 | 6 | CLAIREMONT MESA | E12S |
| 18 | 1248F3 | MT PUTMAN | 17771 | 235 | 8 | VC | REHAB | 193 | 322.56 | 6 | 180 | 324.29 | 6 | 6 | CLAIREMONT MESA | E12S |
| 19 | 1248F3 | MT HUKEE | 17891 | 298 | 8 | VC | REHAB | 187 | 317.29 | 11 | 327 | 324.13 | 6 | 6 | CLAIREMONT MESA | E12S |
| 19 | 1248F2 | MT HUKEE | 17892 | 285 | 8 | VC | REHAB | 327 | 324.13 | 6 | 328 | 325.84 | 6 | 6 | CLAIREMONT MESA | E12S |
| 19 | 1248F2 | MT HUKEE | 17893 | 95 | 8 | VC | POINT REPAIR/REHAB | 328 | 325.84 | 6 | PLUG | 326.51 | 6 | 6 | CLAIREMONT MESA | E12S |
| 20 | 1248F3 | MT HUKEE | 17764 | 278 | 8 | VC | REHAB | 188 | 316.18 | 9 | 187 | 317.29 | 11 | 6 | CLAIREMONT MESA | E12S |
| 20 | 1248F3 | MT HUKEE | 17765 | 95 | 8 | VC | REHAB | 189 | 315.8 | 9 | 188 | 316.18 | 9 | 6 | CLAIREMONT MESA | E12S |
| 20 | 1248F3 | MT FORDE | 17887 | 75 | 8 | VC | REHAB | 323 | 321.45 | 6 | PLUG | 322.11 | 6 | 6 | CLAIREMONT MESA | E12S |
| 20 | 1248F3 | MT VOSS | 17888 | 281 | 8 | VC | REHAB | 324 | 319.03 | 6 | 323 | 321.45 | 6 | 6 | CLAIREMONT MESA | E12S |
| 20 | 1248F3 | MT VOSS | 17889 | 276 | 8 | VC | REHAB | 326 | 317.93 | 7 | 324 | 319.03 | 6 | 6 | CLAIREMONT MESA | E12S |
| 20 | 1248F3 | MT VOSS | 17890 | 160 | 8 | VC | REHAB | 187 | 317.29 | 11 | 326 | 317.93 | 7 | 6 | CLAIREMONT MESA | E12S |
| 21 | 1248F3 | MT HUKEE | 17766 | 175 | 8 | VC | REHAB | 325 | 315.1 | 9 | 189 | 315.8 | 9 | 6 | CLAIREMONT MESA | E12S |
| 21 | 1248F3 | MT HUKEE | 17881 | 343 | 8 | VC | REHAB | 59 | 313.35 | 7 | 325 | 315.1 | 9 | 6 | CLAIREMONT MESA | E12S |
| 22 | 1248F3 | MT PUTMAN | 17996 | 350 | 8 | VC | REHAB | 73 | 318 | 7 | 190 | 319.4 | 9 | 6 | CLAIREMONT MESA | E12S |
| 23 | 1248F3 | MT PUTMAN | 17977 | 178 | 8 | VC | REHAB | 56 | 315.86 | 6 | 57 | 316.57 | 6 | 6 | CLAIREMONT MESA | E13S |
| 23 | 1248F3 | MT PUTMAN | 17978 | 238 | 8 | VC | REHAB | 57 | 316.57 | 6 | 58 | 317.52 | 7 | 6 | CLAIREMONT MESA | E13S |
| 23 | 1248F3 | MT PUTMAN | 17979 | 165 | 8 | VC | REHAB | 58 | 317.52 | 7 | PLUG | 318.18 | 8 | 6 | CLAIREMONT MESA | E13S |
| 24 | 1248F3 | MT ARMET | 17974 | 197 | 8 | VC | REHAB | 53 | 309.39 | 14 | 54 | 310.18 | 11 | 6 | CLAIREMONT MESA | E13S |
| 24 | 1248F3 | MT ARMET | 17975 | 147 | 8 | VC | REHAB | 54 | 310.18 | 11 | 55 | 310.77 | 9 | 6 | CLAIREMONT MESA | E13S |
| 24 | 1248F3 | MT PUTMAN | 17976 | 152 | 8 | VC | REHAB | 54 | 310.18 | 11 | 56 | 315.86 | 6 | 6 | CLAIREMONT MESA | E13S |
| 24 | 1248F3 | MT ARMET | 17985 | 64 | 8 | VC | REHAB | 55 | 310.77 | 9 | 62 | 311.03 | 9 | 6 | CLAIREMONT MESA | E13S |
| 25 | 1248F3 | MT HUKEE | 17983 | 279 | 8 | VC | REHAB | 61 | 311.75 | 7 | 60 | 312.87 | 6 | 6 | CLAIREMONT MESA | E13S |
| 25 | 1248F3 | MT HUKEE | 17984 | 181 | 8 | VC | REHAB | 62 | 311.03 | 9 | 61 | 311.75 | 7 | 6 | CLAIREMONT MESA | E13S |
| 25 | 1248F3 | MT ARMET | 17986 | 165 | 8 | VC | REHAB | 62 | 311.03 | 9 | 63 | 314.45 | 6 | 6 | CLAIREMONT MESA | E13S |
| 25 | 1248F3 | MT ARMET | 17987 | 70 | 8 | VC | REHAB | 64 | 314.84 | 6 | PLUG | 315.12 | 6 | 6 | CLAIREMONT MESA | E13S |
| 25 | 1248F3 | MT ARMET | 17988 | 98 | 8 | VC | REHAB | 63 | 314.45 | 6 | 64 | 314.84 | 6 | 6 | CLAIREMONT MESA | E13S |
| 26 | 1248G3 | MT BRUNDAGE | 18036 | 134 | 8 | VC | REHAB | 115 | 314.91 | 6 | PLUG | 316.25 | 7 | 6 | CLAIREMONT MESA | E13S |
| 26 | 1248G3 | MT BRUNDAGE | 18037 | 145 | 8 | VC | REHAB | 117 | 314.33 | 6 | 115 | 314.91 | 6 | 6 | CLAIREMONT MESA | E13S |
| 26 | 1248G3 | MT BLANCA | 18038 | 108 | 8 | VC | POINT REPAIR/REHAB | 117 | 314.33 | 6 | PLUG | 315.95 | 6 | 6 | CLAIREMONT MESA | E13S |
| 26 | 1248G3 | MT BRUNDAGE | 18039 | 181 | 8 | VC | REHAB | 118 | 313.62 | 6 | 117 | 314.33 | 6 | 6 | CLAIREMONT MESA | E13S |
| 26 | 1248G3 | MT BLACKBURN | 18047 | 350 | 8 | VC | REHAB | 123 | 318.42 | 6 | 128 | 320.52 | 6 | 6 | CLAIREMONT MESA | E13S |
| 26 | 1248G3 | MT BLACKBURN | 18048 | 150 | 8 | VC | REHAB | 128 | 320.52 | 6 | PLUG | 321.42 | 7 | 6 | CLAIREMONT MESA | E13S |
| 27 | 1248G4 | MT BRUNDAGE | 18040 | 247 | 8 | VC | REHAB | 119 | 312.62 | 6 | 118 | 313.62 | 6 | 6 | CLAIREMONT MESA | E13S |
| 27 | 1248G4 | MT BRUNDAGE | 18041 | 264 | 8 | VC | REHAB | 120 | 311.57 | 9 | 119 | 312.62 | 6 | 6 | CLAIREMONT MESA | E13S |
| 27 | 1248G4 | MT BLACKBURN | 18042 | 333 | 8 | VC | REHAB | 121 | 315.56 | 6 | 122 | 316.89 | 6 | 6 | CLAIREMONT MESA | E13S |
| 27 | 1248G4 | MT BLACKBURN | 18043 | 255 | 8 | VC | REHAB | 122 | 316.89 | 6 | 123 | 318.42 | 6 | 6 | CLAIREMONT MESA | E13S |
| 28 | 1248G4 | MT BLACKBURN | 18141 | 298 | 8 | VC | REHAB | 224 | 314.37 | 10 | 121 | 315.56 | 6 | 6 | CLAIREMONT MESA | E13S |
| 28 | 1248G4 | MT BRUNDAGE | 18153 | 325 | 8 | VC | REHAB | 235 | 310.27 | 13 | 120 | 311.57 | 9 | 6 | CLAIREMONT MESA | E13S |
| 29 | 1248G4 | MT ARARAT | 18140 | 108 | 8 | VC | REHAB | 225 | 313.17 | 13 | PLUG | 313.6 | 10 | 6 | CLAIREMONT MESA | E13S |
| 29 | 1248G4 | MT BLACKBURN | 18142 | 300 | 8 | VC | REHAB | 225 | 313.17 | 13 | 224 | 314.37 | 10 | 6 | CLAIREMONT MESA | E13S |
| 29 | 1248G4 | MT ARARAT | 18143 | 258 | 8 | VC | REHAB | 234 | 309.04 | 15 | 225 | 313.17 | 13 | 6 | CLAIREMONT MESA | E13S |
| 29 | 1248G4 | MT ARARAT | 18151 | 248 | 8 | VC | REHAB | 233 | 307.51 | 15 | 234 | 309.04 | 15 | 6 | CLAIREMONT MESA | E13S |
| 29 | 1248G4 | MT BRUNDAGE | 18152 | 307 | 8 | VC | REHAB | 234 | 309.04 | 15 | 235 | 310.27 | 13 | 6 | CLAIREMONT MESA | E13S |
| 30 | 1248F4 | MT ARARAT | 18085 | 140 | 8 | VC | REHAB | 168 | 313.5 | 6 | PLUG | 314.9 | 6 | 6 | CLAIREMONT MESA | E13S |
| 30 | 1248F4 | MT ARARAT | 18086 | 200 | 8 | VC | REHAB | 231 | 312.7 | 7 | 168 | 313.5 | 6 | 6 | CLAIREMONT MESA | E13S |
| 30 | 1248F4 | MT ARARAT | 18149 | 200 | 8 | VC | REHAB | 232 | 307.1 | 15 | 231 | 312.7 | 7 | 6 | CLAIREMONT MESA | E13S |
| 30 | 1248F4 | MT ARARAT | 18150 | 239 | 8 | VC | REHAB | 232 | 307.1 | 15 | 233 | 307.51 | 15 | 6 | CLAIREMONT MESA | E13S |
| 31 | 1248G4 | MT ALMAGOSA | 18146 | 173 | 8 | VC | REHAB | 323 | 306.07 | 12 | PLUG | 306.76 | 12 | 6 | CLAIREMONT MESA | E13S |
| 31 | 1248G4 | MT ALMAGOSA | 18147 | 350 | 8 | VC | REHAB | 169 | 304.67 | 10 | 323 | 306.07 | 12 | 6 | CLAIREMONT MESA | E13S |
| 31 | 1248G4 | MT AUGUSTUS | 18148 | 257 | 8 | VC | REHAB | 323 | 306.07 | 12 | 232 | 307.1 | 15 | 6 | CLAIREMONT MESA | E13S |
| 32 | 1248F4 | MT ALMAGOSA | 18081 | 172 | 8 | VC | REHAB | 162 | 277.95 | 8 | 163 | 291.54 | 7 | 6 | CLAIREMONT MESA | E13S |
| 32 | 1248F4 | MT ALMAGOSA | 18082 | 350 | 8 | VC | REHAB | 163 | 291.54 | 7 | 165 | 303.44 | 9 | 6 | CLAIREMONT MESA | E13S |
| 32 | 1248F4 | MT ALMAGOSA | 18084 | 155 | 8 | VC | REHAB | 165 | 303.44 | 9 | 166 | 304.06 | 9 | 6 | CLAIREMONT MESA | E13S |
| 32 | 1248F4 | MT ALMAGOSA | 18087 | 152 | 8 | VC | REHAB | 166 | 304.06 | 9 | 169 | 304.67 | 10 | 6 | CLAIREMONT MESA | E13S |
| 33 | 1248G3 | EASEMENT | 21580 | 200 | 8 | VC | REHAB | 55 | 340.06 | 6 | PLUG | 343.12 | 5 | 6 | CLAIREMONT MESA | F13S |
| 33 | 1248G4 | EASEMENT | 21587 | 350 | 8 | VC | REHAB | 360 | 334.7 | 6 | 55 | 340.06 | 6 | 6 | CLAIREMONT MESA | F13S |

PIPE REHABILITATION AM-1 (B-16002)
REHABILITATION PIPES

| MAP SHT No. | THOMAS BRO | STREET NAME | FSN | LENGTH | SIZE | MATERIAL | ACTION | DS MH | DS MH IE | DS MH DEPTH | US MH | US MH IE | US MH DEPTH | COUNCIL DISTRICT | COMMUNITY | GATE PAGE |
|-------------|------------|--------------|-------|--------|------|----------|--------------------|-------|----------|-------------|-------|----------|-------------|------------------|-----------------|-----------|
| 33 | 1248H4 | EASEMENT | 21854 | 278 | 8 | VC | REHAB | 361 | 340.45 | 7 | 350 | 334.7 | 6 | 6 | CLAIREMONT MESA | F135 |
| 33 | 1248H4 | EASEMENT | 21867 | 174 | 8 | VC | REHAB | 364 | 327.79 | 9 | 361 | 340.45 | 7 | 6 | CLAIREMONT MESA | F135 |
| 34 | 1248H4 | EASEMENT | 21856 | 335 | 8 | VC | POINT REPAIR/REHAB | 372 | 322.67 | 7 | 364 | 327.79 | 9 | 6 | CLAIREMONT MESA | F135 |
| 34 | 1248H4 | EASEMENT | 21868 | 200 | 8 | VC | REHAB | 373 | 335.12 | 5 | 376 | 341.12 | 5 | 6 | CLAIREMONT MESA | F135 |
| 34 | 1248H4 | EASEMENT | 21870 | 303 | 8 | VC | REHAB | 374 | 318.03 | 5 | 372 | 322.67 | 7 | 6 | CLAIREMONT MESA | F135 |
| 34 | 1248H4 | EASEMENT | 21931 | 350 | 8 | VC | REHAB | 438 | 331.82 | 7 | 439 | 349.12 | 9 | 6 | CLAIREMONT MESA | F135 |
| 34 | 1248H4 | EASEMENT | 21932 | 155 | 8 | VC | REHAB | 439 | 349.12 | 9 | PLUG | 340.37 | 8 | 6 | CLAIREMONT MESA | F135 |
| 35 | 1248H4 | EASEMENT | 21882 | 200 | 8 | VC | REHAB | 380 | 312.4 | 7 | 377 | 315.46 | 5 | 6 | CLAIREMONT MESA | F135 |
| 35 | 1248G4 | EASEMENT | 21883 | 320 | 8 | VC | REHAB | 385 | 307.5 | 9 | 380 | 312.4 | 7 | 6 | CLAIREMONT MESA | F135 |
| 35 | 1248H4 | EASEMENT | 21889 | 360 | 8 | VC | REHAB | 386 | 314.14 | 9 | 387 | 322.19 | 8 | 6 | CLAIREMONT MESA | F135 |
| 35 | 1248H4 | EASEMENT | 21892 | 213 | 8 | VC | POINT REPAIR/REHAB | 387 | 322.19 | 8 | 375 | 327.09 | 9 | 6 | CLAIREMONT MESA | F135 |
| 35 | 1248H4 | EASEMENT | 21893 | 168 | 8 | VC | POINT REPAIR/REHAB | 377 | 315.46 | 5 | 374 | 318.03 | 6 | 6 | CLAIREMONT MESA | F135 |
| 35 | 1248H4 | EASEMENT | 21894 | 280 | 8 | VC | REHAB | 398 | 326.22 | 7 | 438 | 331.82 | 7 | 6 | CLAIREMONT MESA | F135 |
| 35 | 1248H4 | EASEMENT | 21895 | 236 | 8 | VC | REHAB | 388 | 319.32 | 6 | 398 | 326.22 | 7 | 6 | CLAIREMONT MESA | F135 |
| 36 | 1248H4 | EASEMENT | 21887 | 238 | 8 | VC | POINT REPAIR/REHAB | 391 | 309.1 | 5 | 389 | 311.22 | 8 | 6 | CLAIREMONT MESA | F135 |
| 36 | 1248H4 | EASEMENT | 21890 | 296 | 8 | VC | REHAB | 389 | 311.12 | 8 | 388 | 319.32 | 6 | 6 | CLAIREMONT MESA | F135 |
| 36 | 1248H4 | ACCOMAC | 21896 | 270 | 8 | VC | POINT REPAIR/REHAB | 388 | 319.32 | 6 | 397 | 322.6 | 8 | 6 | CLAIREMONT MESA | F135 |
| 36 | 1248H4 | ACCOMAC | 21897 | 83 | 8 | VC | REHAB | 397 | 322.6 | 8 | PLUG | 324.25 | 8 | 6 | CLAIREMONT MESA | F135 |
| 36 | 1248H4 | ACCOMAC | 21898 | 164 | 8 | VC | REHAB | 394 | 320.58 | 6 | PLUG | 323.85 | 7 | 6 | CLAIREMONT MESA | F135 |
| 37 | 1248G4 | ACWORTH | 21879 | 145 | 8 | VC | REHAB | 382 | 306.92 | 7 | 385 | 307.5 | 9 | 6 | CLAIREMONT MESA | F135 |
| 37 | 1248G4 | ACWORTH | 21884 | 250 | 8 | VC | REHAB | 385 | 307.5 | 9 | 390 | 308.5 | 9 | 6 | CLAIREMONT MESA | F135 |
| 37 | 1248H4 | ACWORTH | 21885 | 150 | 8 | VC | REHAB | 390 | 308.5 | 9 | 391 | 309.1 | 5 | 6 | CLAIREMONT MESA | F135 |
| 37 | 1248H4 | EASEMENT | 21888 | 245 | 8 | VC | REHAB | 390 | 308.5 | 9 | 386 | 314.14 | 9 | 6 | CLAIREMONT MESA | F135 |
| 37 | 1248G4 | EASEMENT | 21954 | 335 | 8 | VC | POINT REPAIR/REHAB | 390 | 308.5 | 9 | 41 | 313.92 | 5 | 6 | CLAIREMONT MESA | F145 |
| 37 | 1248G5 | EASEMENT | 21955 | 350 | 8 | VC | POINT REPAIR/REHAB | 391 | 309.1 | 5 | 40 | 312.12 | 13 | 6 | CLAIREMONT MESA | F145 |
| 38 | 1248G5 | EASEMENT | 21950 | 245 | 8 | VC | REHAB | 39 | 0 | 0 | 36 | 313.92 | 0 | 6 | CLAIREMONT MESA | F145 |
| 38 | 1248G5 | EASEMENT | 21951 | 110 | 8 | VC | REHAB | 38 | 314.6 | 8 | PLUG | 315.04 | 16 | 6 | CLAIREMONT MESA | F145 |
| 38 | 1248G5 | EASEMENT | 21952 | 170 | 8 | VC | REHAB | 40 | 313.92 | 5 | 38 | 314.6 | 8 | 6 | CLAIREMONT MESA | F145 |
| 38 | 1248G5 | EASEMENT | 21953 | 203 | 8 | VC | REHAB | 41 | 312.12 | 13 | 39 | 0 | 0 | 6 | CLAIREMONT MESA | F145 |
| 39 | 1248H4 | MT ACLARE | 21901 | 248 | 8 | VC | REHAB | 400 | 360.97 | 7 | 399 | 345.44 | 7 | 6 | CLAIREMONT MESA | F135 |
| 39 | 1248H4 | MT ACOMITA | 21902 | 174 | 8 | VC | REHAB | 405 | 357.24 | 7 | PLUG | 358.29 | 7 | 6 | CLAIREMONT MESA | F135 |
| 39 | 1248H4 | MT ALVAREZ | 21907 | 200 | 8 | VC | POINT REPAIR/REHAB | 407 | 349.06 | 6 | PLUG | 361.03 | 13 | 6 | CLAIREMONT MESA | F135 |
| 39 | 1248H4 | MT ALVAREZ | 21908 | 256 | 8 | VC | POINT REPAIR/REHAB | 438 | 0 | 0 | 407 | 349.06 | 6 | 6 | CLAIREMONT MESA | F135 |
| 39 | 1248H4 | MT ACKERLY | 21929 | 343 | 8 | VC | REHAB | 437 | 349.12 | 9 | 436 | 0 | 0 | 6 | CLAIREMONT MESA | F135 |
| 39 | 1248H4 | MT ACKERLY | 21930 | 218 | 8 | VC | REHAB | 438 | 351.82 | 7 | 437 | 349.12 | 9 | 6 | CLAIREMONT MESA | F135 |
| 40 | 1248H4 | MT ACLARE | 21899 | 214 | 8 | VC | REHAB | 402 | 333.67 | 9 | 401 | 337.89 | 9 | 6 | CLAIREMONT MESA | F135 |
| 40 | 1248H4 | MT ACLARE | 21900 | 308 | 8 | VC | REHAB | 401 | 337.89 | 9 | 400 | 360.97 | 7 | 6 | CLAIREMONT MESA | F135 |
| 40 | 1248H4 | MT ACOMITA | 21903 | 342 | 8 | VC | REHAB | 404 | 355.19 | 7 | 405 | 357.24 | 7 | 6 | CLAIREMONT MESA | F135 |
| 40 | 1248H4 | MT ACOMITA | 21904 | 244 | 8 | VC | REHAB | 403 | 347.87 | 8 | 404 | 355.19 | 7 | 6 | CLAIREMONT MESA | F135 |
| 40 | 1248H4 | MT ALVAREZ | 21906 | 200 | 8 | VC | REHAB | 410 | 350.51 | 15 | PLUG | 366.51 | 7 | 6 | CLAIREMONT MESA | F135 |
| 41 | 1248H4 | MT ALVAREZ | 21905 | 270 | 8 | VC | REHAB | 411 | 347.81 | 10 | 410 | 350.51 | 15 | 6 | CLAIREMONT MESA | F135 |
| 41 | 1248H4 | MT ACLARE | 21968 | 347 | 8 | VC | REHAB | 53 | 321.46 | 9 | 402 | 333.67 | 9 | 6 | CLAIREMONT MESA | F135 |
| 41 | 1248H5 | MT ACARA | 21969 | 236 | 8 | VC | REHAB | 53 | 321.46 | 9 | 54 | 355.62 | 8 | 6 | CLAIREMONT MESA | F145 |
| 41 | 1248H4 | MT ACOMITA | 21970 | 350 | 8 | VC | REHAB | 54 | 355.62 | 8 | 403 | 347.87 | 8 | 6 | CLAIREMONT MESA | F135 |
| 41 | 1248H5 | MT ACARA | 21971 | 236 | 8 | VC | REHAB | 54 | 355.62 | 8 | 56 | 345.06 | 7 | 6 | CLAIREMONT MESA | F145 |
| 41 | 1248H4 | MT ALVAREZ | 21972 | 275 | 8 | VC | REHAB | 56 | 345.06 | 7 | 411 | 347.81 | 10 | 6 | CLAIREMONT MESA | F135 |
| 42 | 1248H5 | MT ACARA | 21964 | 239 | 8 | VC | POINT REPAIR/REHAB | 393 | 312.55 | 7 | 51 | 313.51 | 4 | 6 | CLAIREMONT MESA | F145 |
| 42 | 1248H5 | MT ACARA | 21965 | 217 | 8 | VC | REHAB | 51 | 313.51 | 4 | 52 | 314.38 | 7 | 6 | CLAIREMONT MESA | F145 |
| 42 | 1248H4 | ACCOMAC | 21966 | 248 | 8 | VC | REHAB | 52 | 314.38 | 7 | 394 | 320.58 | 6 | 6 | CLAIREMONT MESA | F135 |
| 42 | 1248H5 | MT ACARA | 21967 | 236 | 8 | VC | REHAB | 52 | 314.38 | 7 | 53 | 321.46 | 9 | 6 | CLAIREMONT MESA | F145 |
| 43 | 1248H3 | MT AINSWORTH | 21607 | 128 | 8 | VC | REHAB | 84 | 353.16 | 7 | PLUG | 353.93 | 7 | 6 | CLAIREMONT MESA | F135 |
| 43 | 1248H3 | MT AINSWORTH | 21608 | 186 | 8 | VC | REHAB | 84 | 353.16 | 7 | PLUG | 354.27 | 7 | 6 | CLAIREMONT MESA | F135 |
| 43 | 1248H3 | MT ABRAHAM | 21510 | 350 | 8 | VC | REHAB | 82 | 350.24 | 7 | 85 | 352.34 | 7 | 6 | CLAIREMONT MESA | F135 |
| 43 | 1248H3 | MT ABRAHAM | 21611 | 151 | 8 | VC | REHAB | 85 | 352.34 | 7 | PLUG | 353.25 | 6 | 6 | CLAIREMONT MESA | F135 |
| 43 | 1248H3 | MT ACRE | 21628 | 230 | 8 | VC | REHAB | 111 | 354.58 | 8 | 110 | 357.12 | 7 | 6 | CLAIREMONT MESA | F135 |
| 43 | 1248H3 | MT AINSWORTH | 21629 | 198 | 8 | VC | REHAB | 111 | 354.58 | 8 | 113 | 355.37 | 7 | 6 | CLAIREMONT MESA | F135 |
| 43 | 1248H3 | MT AINSWORTH | 21630 | 150 | 8 | VC | REHAB | 113 | 355.37 | 7 | PLUG | 356.27 | 8 | 6 | CLAIREMONT MESA | F135 |
| 43 | 1248H3 | MT AINSWORTH | 21631 | 114 | 8 | VC | REHAB | 113 | 355.37 | 7 | PLUG | 355.83 | 6 | 6 | CLAIREMONT MESA | F135 |
| 44 | 1248H3 | MT ABRAHAM | 21601 | 260 | 8 | VC | REHAB | 78 | 347.57 | 7 | 79 | 349.13 | 7 | 6 | CLAIREMONT MESA | F135 |
| 44 | 1248H3 | MT ABRAHAM | 21602 | 186 | 8 | VC | REHAB | 79 | 349.13 | 7 | 82 | 350.24 | 7 | 6 | CLAIREMONT MESA | F135 |
| 44 | 1248H3 | MT AINSWORTH | 21603 | 99 | 8 | VC | REHAB | 80 | 350.77 | 6 | 81 | 351.36 | 6 | 6 | CLAIREMONT MESA | F135 |
| 44 | 1248H3 | MT AINSWORTH | 21604 | 280 | 8 | VC | REHAB | 77 | 349.09 | 7 | 80 | 350.77 | 6 | 6 | CLAIREMONT MESA | F135 |
| 44 | 1248H3 | MT AINSWORTH | 21609 | 300 | 8 | VC | REHAB | 81 | 351.36 | 6 | 84 | 353.16 | 7 | 6 | CLAIREMONT MESA | F135 |

PIPE REHABILITATION AM-1 (B-16002)
REHABILITATION PIPES

| MAP SHT No. | THOMAS BRO | STREET NAME | FSN | LENGTH | SIZE | MATERIAL | ACTION | DS MH | DS MH IE | DS MH DEPTH | US MH | US MH IE | US MH DEPTH | COUNCIL DISTRICT | COMMUNITY | GATE PAGE |
|-------------|------------|--------------|-------|--------|------|----------|--------|-------|----------|-------------|-------|----------|-------------|------------------|-----------------|-----------|
| 45 | 1248H4 | EASEMENT | 21596 | 127 | 8 | VC | REHAB | 72 | 344.61 | 8 | 73 | 345.12 | 7 | 6 | CLAIREMONT MESA | F135 |
| 45 | 1248H4 | MT ABRAHAM | 21597 | 171 | 8 | VC | REHAB | 73 | 345.12 | 7 | 74 | 346.14 | 7 | 6 | CLAIREMONT MESA | F135 |
| 45 | 1248H3 | MT ABRAHAM | 21598 | 147 | 8 | VC | REHAB | 74 | 346.14 | 7 | 76 | 347.03 | 7 | 6 | CLAIREMONT MESA | F135 |
| 45 | 1248H4 | MT AINSWORTH | 21599 | 163 | 8 | VC | REHAB | 76 | 347.03 | 7 | 75 | 348.01 | 6 | 6 | CLAIREMONT MESA | F135 |
| 45 | 1248H3 | MT ABRAHAM | 21600 | 90 | 8 | VC | REHAB | 76 | 347.03 | 7 | 78 | 347.57 | 6 | 6 | CLAIREMONT MESA | F135 |
| 45 | 1248H3 | MT AINSWORTH | 21605 | 180 | 8 | VC | REHAB | 75 | 348.01 | 6 | 77 | 349.09 | 7 | 6 | CLAIREMONT MESA | F135 |

| MAP SHT No. | THOMAS BRO | STREET NAME | FSN | LENGTH | SIZE | MATERIAL | ACTION | DS MH | DS MH IE | DS MH DEPTH | US MH | US MH IE | DS MH DEPTH | COUNCIL DISTRICT | COMMUNITY | GATE PAGE |
|-------------|------------|-------------|-------|--------|------|----------|---------|-------|----------|-------------|-------|----------|-------------|------------------|-----------------|-----------|
| 11 | 1229E7 | MERRIMAC | 17239 | 297 | 8 | VC | REPLACE | 24 | 335.24 | 11 | 135 | 336.31 | 12 | 6 | CLAIREMONT MESA | D115 |
| 36 | 1248H4 | MT ACARA | 21891 | 231 | 8 | VC | REPLACE | 389 | 311.12 | 8 | 392 | 311.92 | 9 | 6 | CLAIREMONT MESA | F135 |

* PUD is going to CCTV the mains, and it will take a month or two to receive the results. If CCTV revealed that the main is in good condition, PUD will contact Design directly to remove the main from the project.

APPENDIX J
SEWER LATERAL SUMMARY TABLE

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|----------|-------------|-------------|
| 1 | 13354 | 1 | 171538 | 4 | D10S | 5661 | LODI ST | 1228E6 |
| | | 2 | 171547 | 4 | D10S | 5722 | LODI ST | 1228E6 |
| | | 3 | 171496 | 4 | D10S | 5723 | LODI ST | 1228E6 |
| | | 4 | 171575 | 4 | D10S | 5448 | LODI PL | 1228E6 |
| | | 5 | 301104 | 4 | D10S | 5715 | LODI ST | 1228E6 |
| | | 6 | 171561 | 4 | D10S | 5714 | LODI ST | 1228E6 |
| | | 7 | 301112 | 4 | D10S | 5707 | LODI ST | 1228E6 |
| | 13355 | 8 | 301099 | 4 | D10S | 5746 | LODI ST | 1228D6 |
| | | 9 | 301115 | 4 | D10S | 5730 | LODI ST | 1228D6 |
| | | 10 | 171502 | 4 | D10S | 5762 | LODI ST | 1228D6 |
| | | 11 | 171516 | 4 | D10S | 5738 | LODI ST | 1228D6 |
| | | 12 | 171483 | 4 | D10S | 5731 | LODI ST | 1228D6 |
| | | 13 | 301079 | 4 | D10S | 5739 | LODI ST | 1228D6 |
| | | 14 | 301062 | 4 | D10S | 5755 | LODI ST | 1228D6 |
| | | 15 | 171458 | 4 | D10S | 5745 | LODI ST | 1228D6 |
| | | 16 | 171490 | 4 | D10S | 5754 | LODI ST | 1228D6 |
| | 13356 | 17 | 301065 | 4 | D10S | 5771 | LODI ST | 1228D6 |
| | | 18 | 171436 | 4 | D10S | 5763 | LODI ST | 1228D6 |
| | 16934 | 19 | 301144 | 4 | D10S | 5635 | LODI ST | 1228E6 |
| | | 20 | 301139 | 4 | D10S | 5645 | LODI ST | 1228E6 |
| | | 21 | 301153 | 4 | D10S | 5627 | LODI ST | 1228E6 |
| | | 22 | 171599 | 4 | D10S | 5652 | LODI ST | 1228E6 |
| | | 23 | 171611 | 4 | D10S | 5644 | LODI ST | 1228E6 |
| | | 24 | 171632 | 4 | E10S | 5620 | LODI ST | 1228E6 |
| | | 25 | 171628 | 4 | D10S | 5628 | LODI ST | 1228E6 |
| | | 26 | 171619 | 4 | D10S | 5636 | LODI ST | 1228E6 |
| | | 27 | 171553 | 4 | D10S | 5653 | LODI ST | 1228E6 |
| 2 | 16935 | 28 | 171607 | 4 | E10S | 5558 | LODI ST | 1228E6 |
| | | 29 | 171562 | 4 | E10S | 5534 | LODI ST | 1228E6 |
| | | 30 | 301186 | 4 | E10S | 5604 | LODI ST | 1228E6 |
| | | 31 | 171556 | 4 | E10S | 5553 | LODI ST | 1228E6 |
| | | 32 | 171630 | 4 | E10S | 5612 | LODI ST | 1228E6 |
| | | 33 | 171582 | 4 | E10S | 5617 | LODI ST | 1228E6 |
| | | 34 | 171593 | 4 | E10S | 5550 | LODI ST | 1228E6 |
| | | 35 | 301120 | 4 | E10S | 5545 | LODI ST | 1228E6 |
| | | 36 | 301142 | 4 | E10S | 5603 | LODI ST | 1228E6 |
| | | 37 | 301152 | 4 | E10S | 5542 | LODI ST | 1228E6 |
| | | 38 | 171522 | 4 | E10S | 5537 | LODI ST | 1228E6 |
| | 16936 | 39 | 171514 | 4 | E10S | 5510 | LODI ST | 1228E6 |
| | | 40 | 301114 | 4 | E10S | 5518 | LODI ST | 1228E6 |
| | | 41 | 301084 | 4 | E10S | 5513 | LODI ST | 1228E6 |
| | | 42 | 301127 | 4 | E10S | 5526 | LODI ST | 1228E6 |
| | | 43 | 171487 | 4 | E10S | 5521 | LODI ST | 1228E6 |
| | | 44 | 171507 | 4 | E10S | 5529 | LODI ST | 1228E6 |
| | | 45 | 171468 | 4 | E10S | 5505 | LODI ST | 1228E6 |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|------------|--------------|-------------|
| 3 | 13335 | 46 | 172648 | 4 | D10S | 3662 | AVONDALE ST | 1228D7 |
| | | 47 | 301929 | 4 | D10S | 3672 | AVONDALE ST | 1228D7 |
| | | 48 | 172643 | 4 | D10S | 5174 | GAYLORD DR | 1228D7 |
| | | 49 | 172680 | 4 | D10S | 3682 | AVONDALE ST | 1228D7 |
| | | 50 | 301983 | 4 | D10S | 3683 | AVONDALE ST | 1228D7 |
| | 13342 | 51 | 172532 | 4 | D10S | 5209 | GAYLORD DR | 1228D7 |
| | | 52 | 301813 | 4 | D10S | 5212 | GAYLORD DR | 1228D7 |
| | | 53 | 301792 | 4 | D10S | 5222 | GAYLORD DR | 1228D7 |
| 54 | | 301788 | 4 | D10S | 5219 | GAYLORD DR | 1228D7 | |
| 4 | 13332 | 55 | 302022 | 4 | D10S | 3636 | ARLINGTON ST | 1228D7 |
| | | 56 | 301996 | 4 | D10S | 3620 | ARLINGTON ST | 1228D7 |
| | | 57 | 172860 | 4 | D11S | 3629 | ARLINGTON ST | 1228D7 |
| | | 58 | 302064 | 4 | D11S | 3621 | ARLINGTON ST | 1228D7 |
| | | 59 | 302009 | 4 | D10S | 3628 | ARLINGTON ST | 1228D7 |
| | 13333 | 60 | 302082 | 4 | D10S | 3653 | ARLINGTON ST | 1228D7 |
| | | 61 | 172792 | 4 | D10S | 3644 | ARLINGTON ST | 1228D7 |
| | | 62 | 302088 | 4 | D11S | 3645 | ARLINGTON ST | 1228D7 |
| | | 63 | 302080 | 4 | D11S | 3637 | ARLINGTON ST | 1228D7 |
| | | 64 | 172806 | 4 | D10S | 3652 | ARLINGTON ST | 1228D7 |
| | | 65 | 172822 | 4 | D10S | 3660 | ARLINGTON ST | 1228D7 |
| | 13334 | 66 | 302031 | 4 | D10S | 5143 | GAYLORD DR | 1228D7 |
| | | 67 | 301920 | 4 | D10S | 5166 | GAYLORD DR | 1228D7 |
| | | 68 | 172692 | 4 | D10S | 5159 | GAYLORD DR | 1228D7 |
| | | 69 | 172726 | 4 | D10S | 5150 | GAYLORD DR | 1228D7 |
| | | 70 | 301947 | 4 | D10S | 5158 | GAYLORD DR | 1228D7 |
| | | 71 | 302027 | 4 | D10S | 5140 | GAYLORD DR | 1228D7 |
| | | 72 | 172766 | 4 | D10S | 5151 | GAYLORD DR | 1228D7 |
| | 13609 | 73 | 172999 | 4 | D11S | 5111 | GAYLORD DR | 1228D7 |
| | | 74 | 302218 | 4 | D11S | 5102 | GAYLORD DR | 1228D7 |
| 75 | | 172957 | 4 | D11S | 5119 | GAYLORD DR | 1228D7 | |
| 76 | | 302145 | 4 | D11S | 5118 | GAYLORD DR | 1228D7 | |
| 77 | | 302104 | 4 | D11S | 5127 | GAYLORD DR | 1228D7 | |
| 78 | | 302190 | 4 | D11S | 5110 | GAYLORD DR | 1228D7 | |
| 79 | | 302066 | 4 | D11S | 5135 | GAYLORD DR | 1228D7 | |
| 80 | | 302106 | 4 | D11S | 5126 | GAYLORD DR | 1228D7 | |
| 13604 | 81 | 173561 | 4 | D11S | 3695 | ARGONNE ST | 1228D7 | |
| | 82 | 302501 | 4 | D11S | 3666 | ARGONNE ST | 1228D7 | |
| | 83 | 173559 | 4 | D11S | 3685 | ARGONNE ST | 1228D7 | |
| | 84 | 173555 | 4 | D11S | 3665 | ARGONNE ST | 1228D7 | |
| | 85 | 173558 | 4 | D11S | 3655 | ARGONNE ST | 1228D7 | |
| | 86 | 302503 | 4 | D11S | 3676 | ARGONNE ST | 1228D7 | |
| | 87 | 302505 | 4 | D11S | 3686 | ARGONNE ST | 1228D7 | |
| | 88 | 173448 | 4 | D11S | 3656 | ARGONNE ST | 1228D7 | |
| | 89 | 173556 | 4 | D11S | 3675 | ARGONNE ST | 1228D7 | |
| | 90 | 302506 | 4 | D11S | 3696 | ARGONNE ST | 1228D7 | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|-------------|-------------|-------------|
| 5 | 13605 | 91 | 302498 | 4 | D11S | 3646 | ARGONNE ST | 1228D7 |
| | | 92 | 302571 | 4 | D11S | 3619 | ARGONNE ST | 1228D7 |
| | | 93 | 173552 | 4 | D11S | 3645 | ARGONNE ST | 1228D7 |
| | | 94 | 173554 | 4 | D11S | 3635 | ARGONNE ST | 1228D7 |
| | | 95 | 302494 | 4 | D11S | 3620 | ARGONNE ST | 1228D7 |
| | | 96 | 302566 | 4 | D11S | 3611 | ARGONNE ST | 1228D7 |
| | | 97 | 173443 | 4 | D11S | 3610 | ARGONNE ST | 1228D7 |
| | | 98 | 302495 | 4 | D11S | 3636 | ARGONNE ST | 1228D7 |
| | | 99 | 302568 | 4 | D11S | 3627 | ARGONNE ST | 1228D7 |
| | 13607 | 100 | 173177 | 4 | D11S | 5080 | GAYLORD DR | 1228D7 |
| | | 101 | 173243 | 4 | D11S | 5077 | GAYLORD DR | 1228D7 |
| | | 102 | 173273 | 4 | D11S | 5060 | GAYLORD DR | 1228D7 |
| | | 103 | 173223 | 4 | D11S | 5070 | GAYLORD DR | 1228D7 |
| | | 104 | 302399 | 4 | D11S | 5065 | GAYLORD DR | 1228D7 |
| | 13606 | 105 | 173352 | 4 | D11S | 5050 | GAYLORD DR | 1228D7 |
| | 13608 | 106 | 173120 | 4 | D11S | 5090 | GAYLORD DR | 1228D7 |
| | 13610 | 107 | 173225 | 4 | D11S | 3621 | ARMITAGE ST | 1228D7 |
| | | 108 | 173228 | 4 | D11S | 3641 | ARMITAGE ST | 1228D7 |
| | | 109 | 173150 | 4 | D11S | 3630 | ARMITAGE ST | 1228D7 |
| | | 110 | 302349 | 4 | D11S | 3631 | ARMITAGE ST | 1228D7 |
| | | 111 | 302276 | 4 | D11S | 3614 | ARMITAGE ST | 1228D7 |
| | | 112 | 302280 | 4 | D11S | 3640 | ARMITAGE ST | 1228D7 |
| | 13611 | 113 | 173222 | 4 | D11S | 3611 | ARMITAGE ST | 1228D7 |
| | | 114 | 302285 | 4 | D11S | 3660 | ARMITAGE ST | 1228D7 |
| | | 115 | 173240 | 4 | D11S | 3671 | ARMITAGE ST | 1228D7 |
| | | 116 | 302283 | 4 | D11S | 3650 | ARMITAGE ST | 1228D7 |
| 117 | | 173161 | 4 | D11S | 3670 | ARMITAGE ST | 1228D7 | |
| 118 | | 173232 | 4 | D11S | 3651 | ARMITAGE ST | 1228D7 | |
| 119 | | 173236 | 4 | D11S | 3661 | ARMITAGE ST | 1228D7 | |
| 13612 | 120 | 173230 | 4 | D11S | 5087 | GLASGOW DR | 1228D7 | |
| | 121 | 302299 | 4 | D11S | 5097 | GLASGOW DR | 1228D7 | |
| | 122 | 173457 | 4 | D11S | 5057 | GLASGOW DR | 1228D7 | |
| | 123 | 302395 | 4 | D11S | 5077 | GLASGOW DR | 1228D7 | |
| | 124 | 302455 | 4 | D11S | 5067 | GLASGOW DR | 1228D7 | |
| 13781 | 125 | 302547 | 4 | D11S | 5041 | GAYLORD DR | 1228D7 | |
| | 126 | 302573 | 4 | D11S | 5031 | GAYLORD DR | 1228D7 | |
| 6 | 13347 | 127 | 172759 | 4 | D10S | 5149 | GLASGOW DR | 1228D7 |
| | | 128 | 172843 | 4 | D11S | 5133 | GLASGOW DR | 1228D7 |
| | | 129 | 301981 | 4 | D10S | 3693 | AVONDALE ST | 1228D7 |
| | | 130 | 172899 | 4 | D11S | 5125 | GLASGOW DR | 1228D7 |
| | | 131 | 302038 | 4 | D10S | 5141 | GLASGOW DR | 1228D7 |
| | 13613 | 132 | 302210 | 4 | D11S | 5109 | GLASGOW DR | 1228D7 |
| | | 133 | 173113 | 4 | D11S | 5101 | GLASGOW DR | 1228D7 |
| | | 134 | 172989 | 4 | D11S | 5117 | GLASGOW DR | 1228D7 |
| | | 135 | 302109 | 4 | D11S | 3650 | BASCOMB PL | 1228D7 |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|-------------|-------------|-------------|
| 7 | 13777 | 136 | 302161 | 4 | D11S | 3661 | BASCOMB PL | 1228D7 |
| | | 137 | 302110 | 4 | D11S | 3670 | BASCOMB PL | 1228D7 |
| | | 138 | 172991 | 4 | D11S | 3671 | BASCOMB PL | 1228D7 |
| | | 139 | 172902 | 4 | D11S | 3660 | BASCOMB PL | 1228D7 |
| | 13599 | 140 | 302721 | 4 | D11S | 3626 | MORLAN ST | 1228D7 |
| | | 141 | 173825 | 4 | D11S | 3610 | MORLAN ST | 1228D7 |
| | | 142 | 302791 | 4 | D11S | 3609 | MORLAN ST | 1228D7 |
| | | 143 | 173815 | 4 | D11S | 3602 | MORLAN ST | 1228D7 |
| | | 144 | 173826 | 4 | D11S | 3618 | MORLAN ST | 1228D7 |
| | | 145 | 302789 | 4 | D11S | 3601 | MORLAN ST | 1228D7 |
| | | 146 | 173926 | 4 | D11S | 3617 | MORLAN ST | 1228D7 |
| | | 147 | 173928 | 4 | D11S | 3625 | MORLAN ST | 1228D7 |
| | 13600 | 148 | 302724 | 4 | D11S | 3642 | MORLAN ST | 1228D7 |
| | | 149 | 173935 | 4 | D11S | 3649 | MORLAN ST | 1228D7 |
| | | 150 | 302723 | 4 | D11S | 3634 | MORLAN ST | 1228D7 |
| | | 151 | 173934 | 4 | D11S | 3641 | MORLAN ST | 1228D7 |
| | | 152 | 302799 | 4 | D11S | 3657 | MORLAN ST | 1228D7 |
| 153 | | 173832 | 4 | D11S | 3650 | MORLAN ST | 1228D7 | |
| 154 | | 302726 | 4 | D11S | 3658 | MORLAN ST | 1228D7 | |
| 155 | | 173930 | 4 | D11S | 3633 | MORLAN ST | 1228D7 | |
| 13601 | 156 | 173834 | 4 | D11S | 3666 | MORLAN ST | 1228D7 | |
| | 157 | 302801 | 4 | D11S | 3665 | MORLAN ST | 1228D7 | |
| | 158 | 173838 | 4 | D11S | 3684 | MORLAN ST | 1228D7 | |
| | 159 | 173945 | 4 | D11S | 3693 | MORLAN ST | 1228D7 | |
| | 160 | 173840 | 4 | D11S | 3694 | MORLAN ST | 1228D7 | |
| | 161 | 173944 | 4 | D11S | 3683 | MORLAN ST | 1228D7 | |
| | 162 | 302803 | 4 | D11S | 3673 | MORLAN ST | 1228D7 | |
| | 163 | 173836 | 4 | D11S | 3674 | MORLAN ST | 1228D7 | |
| 13603 | 164 | 173721 | 4 | D11S | 5027 | GLASGOW DR | 1228D7 | |
| | 165 | 173827 | 4 | D11S | 5021 | GLASGOW DR | 1228D7 | |
| | 166 | 302622 | 4 | D11S | 5037 | GLASGOW DR | 1228D7 | |
| | 167 | 173547 | 4 | D11S | 5047 | GLASGOW DR | 1228D7 | |
| 8 | 13593 | 168 | 174194 | 4 | D11S | 3668 | MERRIMAC AV | 1228D7 |
| | | 169 | 174324 | 4 | D11S | 3675 | MERRIMAC AV | 1228D7 |
| | | 170 | 303088 | 4 | D11S | 3695 | MERRIMAC AV | 1228D7 |
| | | 171 | 174198 | 4 | D11S | 3686 | MERRIMAC AV | 1228D7 |
| | | 172 | 174200 | 4 | D11S | 3696 | MERRIMAC AV | 1228D7 |
| | | 173 | 303085 | 4 | D11S | 3667 | MERRIMAC AV | 1228D7 |
| | | 174 | 174327 | 4 | D11S | 3685 | MERRIMAC AV | 1228D7 |
| | | 175 | 174197 | 4 | D11S | 3676 | MERRIMAC AV | 1228D7 |
| | 13594 | 176 | 174321 | 4 | D11S | 3635 | MERRIMAC AV | 1228D7 |
| | | 177 | 303083 | 4 | D11S | 3659 | MERRIMAC AV | 1228D7 |
| | | 178 | 174188 | 4 | D11S | 3644 | MERRIMAC AV | 1228D7 |
| 179 | | 303079 | 4 | D11S | 3643 | MERRIMAC AV | 1228D7 | |
| | | 180 | 303082 | 4 | D11S | 3651 | MERRIMAC AV | 1228D7 |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|-------------|-------------|-------------|
| 9 | 13595 | 181 | 174186 | 4 | D11S | 3636 | MERRIMAC AV | 1228D7 |
| | | 182 | 174189 | 4 | D11S | 3652 | MERRIMAC AV | 1228D7 |
| | | 183 | 174192 | 4 | D11S | 3660 | MERRIMAC AV | 1228D7 |
| | | 184 | 174179 | 4 | D11S | 3604 | MERRIMAC AV | 1228D7 |
| | | 185 | 303072 | 4 | D11S | 3611 | MERRIMAC AV | 1228D7 |
| | | 186 | 174317 | 4 | D11S | 3619 | MERRIMAC AV | 1228D7 |
| | | 187 | 174314 | 4 | D11S | 3603 | MERRIMAC AV | 1228D7 |
| | | 188 | 302994 | 4 | D11S | 3620 | MERRIMAC AV | 1228D7 |
| | | 189 | 174183 | 4 | D11S | 3612 | MERRIMAC AV | 1228D7 |
| | 190 | 174319 | 4 | D11S | 3627 | MERRIMAC AV | 1228D7 | |
| | 191 | 174184 | 4 | D11S | 3628 | MERRIMAC AV | 1228D7 | |
| | 192 | 303096 | 4 | D11S | 3717 | MERRIMAC AV | 1228E7 | |
| | 193 | 174207 | 4 | D11S | 3718 | MERRIMAC AV | 1228E7 | |
| | 194 | 174217 | 4 | D11S | 3726 | MERRIMAC AV | 1228E7 | |
| | 195 | 174338 | 4 | D11S | 3725 | MERRIMAC AV | 1228E7 | |
| | 196 | 303010 | 4 | D11S | 3722 | MERRIMAC AV | 1228E7 | |
| | 197 | 174206 | 4 | D11S | 3714 | MERRIMAC AV | 1228E7 | |
| | 198 | 174336 | 4 | D11S | 3721 | MERRIMAC AV | 1228E7 | |
| | 199 | 303005 | 4 | D11S | 3706 | MERRIMAC AV | 1228D7 | |
| 200 | 303004 | 4 | D11S | 3702 | MERRIMAC AV | 1228D7 | | |
| 201 | 174331 | 4 | D11S | 3705 | MERRIMAC AV | 1228D7 | | |
| 202 | 174204 | 4 | D11S | 3710 | MERRIMAC AV | 1228D7 | | |
| 203 | 174328 | 4 | D11S | 3701 | MERRIMAC AV | 1228D7 | | |
| 204 | 174332 | 4 | D11S | 3709 | MERRIMAC AV | 1228D7 | | |
| 205 | 174333 | 4 | D11S | 3713 | MERRIMAC AV | 1228E7 | | |
| 10 | 13585 | 206 | 303254 | 4 | D11S | 3610 | CONRAD AV | 1248D1 |
| | | 207 | 303338 | 4 | D11S | 3617 | CONRAD AV | 1248D1 |
| | | 208 | 174718 | 4 | D11S | 3609 | CONRAD AV | 1248D1 |
| | | 209 | 174714 | 4 | D11S | 3601 | CONRAD AV | 1248D1 |
| | | 210 | 174596 | 4 | D11S | 3626 | CONRAD AV | 1248D1 |
| | | 211 | 303253 | 4 | D11S | 3602 | CONRAD AV | 1248D1 |
| | | 212 | 303256 | 4 | D11S | 3618 | CONRAD AV | 1248D1 |
| | 213 | 174721 | 4 | D11S | 3625 | CONRAD AV | 1248D1 | |
| | 214 | 303341 | 4 | D11S | 3633 | CONRAD AV | 1248D1 | |
| | 215 | 174599 | 4 | D11S | 3634 | CONRAD AV | 1248D1 | |
| | 216 | 174723 | 4 | D11S | 3641 | CONRAD AV | 1248D1 | |
| | 217 | 174730 | 4 | D11S | 3665 | CONRAD AV | 1248D1 | |
| | 218 | 174725 | 4 | D11S | 3649 | CONRAD AV | 1248D1 | |
| | 219 | 174728 | 4 | D11S | 3657 | CONRAD AV | 1248D1 | |
| | 220 | 303261 | 4 | D11S | 3642 | CONRAD AV | 1248D1 | |
| | 221 | 303266 | 4 | D11S | 3658 | CONRAD AV | 1248D1 | |
| | 222 | 174604 | 4 | D11S | 3650 | CONRAD AV | 1248D1 | |
| 223 | 303267 | 4 | D11S | 3666 | CONRAD AV | 1248D1 | | |
| 224 | 174737 | 4 | D11S | 3693 | CONRAD AV | 1248D1 | | |
| 225 | 303276 | 4 | D11S | 3702 | CONRAD AV | 1228D7 | | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. | | |
|-------|-----------------|-----------|-------------|---------------------|-----------------|----------|-------------|-------------|-----------|--------|
| 11 | 13587 | 226 | 303272 | 4 | D11S | 3684 | CONRAD AV | 1248D1 | | |
| | | 227 | 174621 | 4 | D11S | 3694 | CONRAD AV | 1248D1 | | |
| | | 228 | 174731 | 4 | D11S | 3673 | CONRAD AV | 1248D1 | | |
| | | 229 | 174734 | 4 | D11S | 3683 | CONRAD AV | 1248D1 | | |
| | | 230 | 174746 | 4 | D11S | 3731 | CONRAD AV | 1248D1 | | |
| | | 231 | 303268 | 4 | D11S | 3674 | CONRAD AV | 1248D1 | | |
| | 13588 | 13588 | 232 | 174739 | 4 | D11S | 3711 | CONRAD AV | 1248D1 | |
| | | | 233 | 174625 | 4 | D11S | 3712 | CONRAD AV | 1228D7 | |
| | | | 234 | 174743 | 4 | D11S | 3741 | CONRAD AV | 1248E1 | |
| | | | 235 | 174632 | 4 | D11S | 3742 | CONRAD AV | 1228E7 | |
| | | | 236 | 174742 | 4 | D11S | 3751 | CONRAD AV | 1248E1 | |
| | | | 237 | 303347 | 4 | D11S | 3721 | CONRAD AV | 1248D1 | |
| | | | 238 | 174628 | 4 | D11S | 3722 | CONRAD AV | 1228D7 | |
| | | | 239 | 174630 | 4 | D11S | 3732 | CONRAD AV | 1228E7 | |
| | | 13589 | 13589 | 240 | 303349 | 4 | D11S | 3701 | CONRAD AV | 1248E1 |
| | | | | 241 | 174638 | 4 | D11S | 3822 | CONRAD AV | 1228E7 |
| | | | | 242 | 174744 | 4 | D11S | 3761 | CONRAD AV | 1248E1 |
| | | | | 243 | 174751 | 4 | D11S | 3811 | CONRAD AV | 1248E1 |
| | | | | 244 | 174749 | 4 | D11S | 3821 | CONRAD AV | 1248E1 |
| | | | | 245 | 174750 | 4 | D11S | 3801 | CONRAD AV | 1248E1 |
| | 17239 | 17239 | 246 | 303283 | 4 | D11S | 3762 | CONRAD AV | 1228E7 | |
| 247 | | | 303289 | 4 | D11S | 3812 | CONRAD AV | 1228E7 | | |
| 248 | | | 174634 | 4 | D11S | 3752 | CONRAD AV | 1228E7 | | |
| 249 | | | 303287 | 4 | D11S | 3802 | CONRAD AV | 1228E7 | | |
| 17240 | 17240 | 250 | 174457 | 4 | E11S | 3744 | MERRIMAC AV | 1228E7 | | |
| | | 251 | 174517 | 4 | D11S | 3745 | MERRIMAC AV | 1228E7 | | |
| | | 252 | 303211 | 4 | E11S | 3748 | MERRIMAC AV | 1228E7 | | |
| | | 253 | 174396 | 4 | E11S | 3740 | MERRIMAC AV | 1228E7 | | |
| | | 254 | 174752 | 4 | D11S | 3831 | CONRAD AV | 1248E1 | | |
| | | 255 | 174753 | 4 | D11S | 3841 | CONRAD AV | 1248E1 | | |
| 17241 | 17241 | 256 | 303358 | 4 | E11S | 3861 | CONRAD AV | 1248E1 | | |
| | | 257 | 174758 | 4 | E11S | 3871 | CONRAD AV | 1248E1 | | |
| | | 258 | 174754 | 4 | D11S | 3851 | CONRAD AV | 1248E1 | | |
| | | 259 | 303291 | 4 | D11S | 3840 | CONRAD AV | 1228E7 | | |
| | | 260 | 174653 | 4 | E11S | 4026 | CONRAD AV | 1228E7 | | |
| | | 261 | 174760 | 4 | E11S | 4001 | CONRAD AV | 1248E1 | | |
| | | 262 | 174652 | 4 | E11S | 4018 | CONRAD AV | 1228E7 | | |
| | | 263 | 303362 | 4 | E11S | 4021 | CONRAD AV | 1248E1 | | |
| | | 264 | 174762 | 4 | E11S | 4011 | CONRAD AV | 1248E1 | | |
| | | 265 | 174648 | 4 | E11S | 4010 | CONRAD AV | 1228E7 | | |
| 266 | 174645 | 4 | E11S | 4002 | CONRAD AV | 1228E7 | | | | |
| 267 | 174768 | 4 | E11S | 4061 | CONRAD AV | 1248E1 | | | | |
| 268 | 303303 | 4 | E11S | 4102 | CONRAD AV | 1228E7 | | | | |
| 269 | 174657 | 4 | E11S | 4042 | CONRAD AV | 1228E7 | | | | |
| 270 | 303367 | 4 | E11S | 4051 | CONRAD AV | 1248E1 | | | | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|-------------|-------------|-------------|
| 12 | 17242 | 271 | 174769 | 4 | E11S | 4115 | CONRAD AV | 1248E1 |
| | | 272 | 174659 | 4 | E11S | 4052 | CONRAD AV | 1228E7 |
| | | 273 | 174766 | 4 | E11S | 4041 | CONRAD AV | 1248E1 |
| | | 274 | 303369 | 4 | E11S | 4101 | CONRAD AV | 1248E1 |
| | | 275 | 174655 | 4 | E11S | 4032 | CONRAD AV | 1228E7 |
| | | 276 | 303300 | 4 | E11S | 4062 | CONRAD AV | 1228E7 |
| | | 277 | 303364 | 4 | E11S | 4031 | CONRAD AV | 1248E1 |
| | | 278 | 174773 | 4 | E11S | 4145 | CONRAD AV | 1248E1 |
| | 17243 | 279 | 303304 | 4 | E11S | 4146 | CONRAD AV | 1228E7 |
| | | 280 | 174668 | 4 | E11S | 4160 | CONRAD AV | 1228E7 |
| | | 281 | 174772 | 4 | E11S | 4131 | CONRAD AV | 1248E1 |
| | | 282 | 174665 | 4 | E11S | 4132 | CONRAD AV | 1228E7 |
| | | 283 | 174775 | 4 | E11S | 4173 | CONRAD AV | 1248E1 |
| | | 284 | 303370 | 4 | E11S | 4159 | CONRAD AV | 1248E1 |
| | | 285 | 174664 | 4 | E11S | 4116 | CONRAD AV | 1228E7 |
| | | 286 | 303307 | 4 | E11S | 4174 | CONRAD AV | 1228E7 |
| 13 | 17232 | 287 | 302811 | 4 | E11S | 5020 | COLE ST | 1228E7 |
| | | 288 | 302948 | 4 | E11S | 5002 | COLE ST | 1228E7 |
| | | 289 | 174031 | 4 | E11S | 5010 | COLE ST | 1228E7 |
| | | 290 | 173917 | 4 | E11S | 5030 | COLE ST | 1228E7 |
| | 17235 | 291 | 174368 | 4 | E11S | 4135 | APPLETON ST | 1228E7 |
| | | 292 | 174362 | 4 | E11S | 4081 | APPLETON ST | 1228E7 |
| | | 293 | 174365 | 4 | E11S | 4119 | APPLETON ST | 1228E7 |
| | | 294 | 174373 | 4 | E11S | 4163 | APPLETON ST | 1228E7 |
| | | 295 | 174370 | 4 | E11S | 4151 | APPLETON ST | 1228E7 |
| | | 296 | 303111 | 4 | E11S | 4103 | APPLETON ST | 1228E7 |
| | 17236 | 297 | 174354 | 4 | E11S | 4041 | APPLETON ST | 1228E7 |
| | | 298 | 174359 | 4 | E11S | 4071 | APPLETON ST | 1228E7 |
| | | 299 | 303109 | 4 | E11S | 4031 | APPLETON ST | 1228E7 |
| | | 300 | 174357 | 4 | E11S | 4051 | APPLETON ST | 1228E7 |
| | | 301 | 303030 | 4 | E11S | 4050 | APPLETON ST | 1228E7 |
| | | 302 | 174358 | 4 | E11S | 4061 | APPLETON ST | 1228E7 |
| | | 303 | 174233 | 4 | E11S | 4050 | APPLETON ST | 1228E7 |
| | 17237 | 304 | 174216 | 4 | E11S | 4050 | APPLETON ST | 1228E7 |
| 305 | | 174349 | 4 | E11S | 4011 | APPLETON ST | 1228E7 | |
| 306 | | 303106 | 4 | E11S | 4021 | APPLETON ST | 1228E7 | |
| 13618 | 13615 | 307 | 173062 | 4 | D11S | 5109 | BILTMORE ST | 1228E7 |
| | | 308 | 173112 | 4 | D11S | 5101 | BILTMORE ST | 1228E7 |
| | 13617 | 309 | 302296 | 4 | D11S | 5070 | CAPEHART ST | 1228E7 |
| | | 310 | 173129 | 4 | D11S | 5076 | CAPEHART ST | 1228E7 |
| | | 311 | 302308 | 4 | D11S | 5075 | CAPEHART ST | 1228E7 |
| | 13618 | 312 | 173298 | 4 | D11S | 5058 | CAPEHART ST | 1228E7 |
| | | 313 | 302478 | 4 | D11S | 5051 | CAPEHART ST | 1228E7 |
| | | 314 | 173431 | 4 | D11S | 5046 | CAPEHART ST | 1228E7 |
| | | 315 | 302426 | 4 | D11S | 5057 | CAPEHART ST | 1228E7 |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. | |
|-------|-----------------|-----------|-------------|---------------------|-----------------|----------|---------------|---------------|--------|
| 14 | 13616 | 316 | 302439 | 4 | D11S | 5052 | CAPEHART ST | 1228E7 | |
| | | 317 | 302380 | 4 | D11S | 5063 | CAPEHART ST | 1228E7 | |
| | | 318 | 173466 | 4 | D11S | 5045 | CAPEHART ST | 1228E7 | |
| | | 319 | 302336 | 4 | D11S | 5064 | CAPEHART ST | 1228E7 | |
| | 13622 | | 320 | 173775 | 4 | D11S | 5035 | BILTMORE ST | 1228E7 |
| | | | 321 | 173835 | 4 | D11S | 5026 | BILTMORE ST | 1228E7 |
| | | | 322 | 173837 | 4 | D11S | 5027 | BILTMORE ST | 1228E7 |
| | | | 323 | 302630 | 4 | D11S | 5043 | BILTMORE ST | 1228E7 |
| | | | 324 | 173724 | 4 | D11S | 5034 | BILTMORE ST | 1228E7 |
| | | | 325 | 302580 | 4 | D11S | 5051 | BILTMORE ST | 1228E7 |
| | | | 326 | 173544 | 4 | D11S | 5050 | BILTMORE ST | 1228E7 |
| | | | 327 | 302607 | 4 | D11S | 5042 | BILTMORE ST | 1228E7 |
| | | | 15 | 17754 | 328 | 308404 | 4 | E12S | 4626 |
| 329 | 308460 | 4 | | | E12S | 4642 | MT LAUDO DR | 1248F2 | |
| 330 | 182135 | 4 | | | E12S | 4633 | MT LAUDO DR | 1248F2 | |
| 331 | 181927 | 4 | | | E12S | 4610 | MT LAUDO DR | 1248F2 | |
| 332 | 182175 | 4 | | | E12S | 4641 | MT LAUDO DR | 1248F2 | |
| 333 | 182198 | 4 | | | E12S | 4649 | MT LAUDO DR | 1248F2 | |
| 334 | 308431 | 4 | | | E12S | 4634 | MT LAUDO DR | 1248F2 | |
| 335 | 181964 | 4 | | | E12S | 4618 | MT LAUDO DR | 1248F2 | |
| 17756 | | 336 | | 182251 | 4 | E12S | 4680 | MT LAUDO DR | 1248F2 |
| | | 337 | | 308604 | 4 | E12S | 4688 | MT LAUDO DR | 1248F2 |
| | | 338 | | 308490 | 4 | E12S | 4650 | MT LAUDO DR | 1248F2 |
| | | 339 | | 308563 | 4 | E12S | 4674 | MT LAUDO DR | 1248F2 |
| | | 340 | | 182182 | 4 | E12S | 4666 | MT LAUDO DR | 1248F2 |
| | | 341 | | 308515 | 4 | E12S | 4658 | MT LAUDO DR | 1248F2 |
| | | 16 | | 17757 | 342 | 182358 | 4 | E12S | 4396 |
| 343 | 182422 | | 4 | | E12S | 4390 | MT JEFFERS AV | 1248F3 | |
| 344 | 308718 | | 4 | | E12S | 4389 | MT JEFFERS AV | 1248F3 | |
| 345 | 182354 | | 4 | | E12S | 4395 | MT JEFFERS AV | 1248F3 | |
| 346 | 182298 | | 4 | | E12S | 4696 | MT LAUDO DR | 1248F2 | |
| 17758 | | | 347 | 182705 | 4 | E12S | 4365 | MT JEFFERS AV | 1248F3 |
| | | | 348 | 308909 | 4 | E12S | 4358 | MT JEFFERS AV | 1248F3 |
| | | | 349 | 182510 | 4 | E12S | 4384 | MT JEFFERS AV | 1248F3 |
| | | | 350 | 182589 | 4 | E12S | 4376 | MT JEFFERS AV | 1248F3 |
| | | | 351 | 308845 | 4 | E12S | 4368 | MT JEFFERS AV | 1248F3 |
| | | | 352 | 308756 | 4 | E12S | 4383 | MT JEFFERS AV | 1248F3 |
| | | | 353 | 308800 | 4 | E12S | 4377 | MT JEFFERS AV | 1248F3 |
| | | | 354 | 308853 | 4 | E12S | 4371 | MT JEFFERS AV | 1248F3 |
| | | | 17772 | | 355 | 309014 | 4 | E12S | 4349 |
| 356 | 309049 | | | | 4 | E12S | 4342 | MT JEFFERS AV | 1248F3 |
| 357 | 182935 | 4 | | | E12S | 4341 | MT JEFFERS AV | 1248F3 | |
| 358 | 183076 | 4 | | | E12S | 4326 | MT JEFFERS AV | 1248F3 | |
| 359 | 183009 | 4 | | | E12S | 4333 | MT JEFFERS AV | 1248F3 | |
| 360 | 309118 | 4 | | | E12S | 4334 | MT JEFFERS AV | 1248F3 | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. | |
|-------|-----------------|-----------|-------------|---------------------|-----------------|--------------|---------------|--------------|--------|
| 17 | | 361 | 308978 | 4 | E12S | 4350 | MT JEFFERS AV | 1248F3 | |
| | | 362 | 308947 | 4 | E12S | 4357 | MT JEFFERS AV | 1248F3 | |
| | 17768 | 363 | 309427 | 4 | E12S | 4297 | MT PUTMAN AV | 1248F3 | |
| | | 364 | 309442 | 4 | E12S | 4296 | MT PUTMAN AV | 1248F3 | |
| | | 365 | 309478 | 4 | E12S | 4289 | MT PUTMAN AV | 1248F3 | |
| | 17770 | 366 | 183090 | 4 | E12S | 4315 | MT PUTMAN AV | 1248F3 | |
| | | 367 | 309238 | 4 | E12S | 4308 | MT PUTMAN AV | 1248F3 | |
| | | 368 | 309284 | 4 | E12S | 4302 | MT PUTMAN AV | 1248F3 | |
| | | 369 | 309256 | 4 | E12S | 4307 | MT PUTMAN AV | 1248F3 | |
| | | 370 | 309194 | 4 | E12S | 4316 | MT PUTMAN AV | 1248F3 | |
| | 17773 | 371 | 309288 | 4 | E12S | 4301 | MT PUTMAN AV | 1248F3 | |
| | | 372 | 309218 | 4 | E12S | 4325 | MT JEFFERS AV | 1248F3 | |
| | | 373 | 309263 | 4 | E12S | 4317 | MT JEFFERS AV | 1248F3 | |
| | 17774 | 374 | 309315 | 4 | E12S | 4309 | MT JEFFERS AV | 1248F3 | |
| | | 375 | 309330 | 4 | E12S | 4302 | MT JEFFERS AV | 1248F3 | |
| | | 376 | 183343 | 4 | E12S | 4301 | MT JEFFERS AV | 1248F3 | |
| | | 377 | 183400 | 4 | E12S | 4681 | MT HORTON DR | 1248F3 | |
| | 18 | 17755 | 378 | 308769 | 4 | E12S | 4360 | MT PUTMAN AV | 1248F3 |
| | | | 379 | 308841 | 4 | E12S | 4348 | MT PUTMAN AV | 1248F3 |
| 380 | | | 308656 | 4 | E12S | 4377 | MT PUTMAN AV | 1248F3 | |
| 381 | | | 308704 | 4 | E12S | 4369 | MT PUTMAN AV | 1248F3 | |
| 382 | | | 182314 | 4 | E12S | 4382 | MT PUTMAN AV | 1248F2 | |
| 383 | | | 182516 | 4 | E12S | 4361 | MT PUTMAN AV | 1248F3 | |
| 384 | | | 182377 | 4 | E12S | 4374 | MT PUTMAN AV | 1248F3 | |
| 385 | | | 182313 | 4 | E12S | 4391 | MT PUTMAN AV | 1248F2 | |
| 386 | | | 308836 | 4 | E12S | 4349 | MT PUTMAN AV | 1248F3 | |
| 387 | | | 308723 | 4 | E12S | 4368 | MT PUTMAN AV | 1248F3 | |
| 388 | | | 308798 | 4 | E12S | 4354 | MT PUTMAN AV | 1248F3 | |
| 389 | | | 182591 | 4 | E12S | 4355 | MT PUTMAN AV | 1248F3 | |
| 17771 | | 390 | 182708 | 4 | E12S | 4339 | MT PUTMAN AV | 1248F3 | |
| | | 391 | 308908 | 4 | E12S | 4340 | MT PUTMAN AV | 1248F3 | |
| | | 392 | 309113 | 4 | E12S | 4322 | MT PUTMAN AV | 1248F3 | |
| | | 393 | 182878 | 4 | E12S | 4327 | MT PUTMAN AV | 1248F3 | |
| | | 394 | 308988 | 4 | E12S | 4334 | MT PUTMAN AV | 1248F3 | |
| | | 395 | 182976 | 4 | E12S | 4321 | MT PUTMAN AV | 1248F3 | |
| | | 396 | 308985 | 4 | E12S | 4333 | MT PUTMAN AV | 1248F3 | |
| 17891 | 397 | 309045 | 4 | E12S | 4328 | MT PUTMAN AV | 1248F3 | | |
| | 398 | 308861 | 4 | E12S | 4345 | MT HUKKEE AV | 1248F3 | | |
| | 399 | 308914 | 4 | E12S | 4340 | MT HUKKEE AV | 1248F3 | | |
| | 400 | 309016 | 4 | E12S | 4333 | MT HUKKEE AV | 1248F3 | | |
| | 401 | 182675 | 4 | E12S | 4346 | MT HUKKEE AV | 1248F3 | | |
| | 402 | 182824 | 4 | E12S | 4334 | MT HUKKEE AV | 1248F3 | | |
| | 403 | 182723 | 4 | E12S | 4339 | MT HUKKEE AV | 1248F3 | | |
| | 404 | 182940 | 4 | E12S | 4327 | MT HUKKEE AV | 1248F3 | | |
| | 405 | 309073 | 4 | E12S | 4328 | MT HUKKEE AV | 1248F3 | | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. | |
|-------|-----------------|-----------|-------------|---------------------|-----------------|------------|-------------|-------------|--------|
| 19 | 17892 | 406 | 182387 | 4 | E12S | 4369 | MT HUKKE AV | 1248F3 | |
| | | 407 | 308726 | 4 | E12S | 4363 | MT HUKKE AV | 1248F3 | |
| | | 408 | 308771 | 4 | E12S | 4357 | MT HUKKE AV | 1248F3 | |
| | | 409 | 182545 | 4 | E12S | 4356 | MT HUKKE AV | 1248F3 | |
| | | 410 | 182294 | 4 | E12S | 4375 | MT HUKKE AV | 1248F2 | |
| | | 411 | 308617 | 4 | E12S | 4374 | MT HUKKE AV | 1248F3 | |
| | | 412 | 182593 | 4 | E12S | 4352 | MT HUKKE AV | 1248F3 | |
| | | 413 | 182596 | 4 | E12S | 4351 | MT HUKKE AV | 1248F3 | |
| | | 414 | 308678 | 4 | E12S | 4368 | MT HUKKE AV | 1248F3 | |
| | | 415 | 182462 | 4 | E12S | 4362 | MT HUKKE AV | 1248F3 | |
| | | 17893 | 416 | 308500 | 4 | E12S | 4392 | MT HUKKE AV | 1248F2 |
| | | | 417 | 308557 | 4 | E12S | 4381 | MT HUKKE AV | 1248F2 |
| | | | 418 | 308577 | 4 | E12S | 4380 | MT HUKKE AV | 1248F2 |
| | | | 419 | 182180 | 4 | E12S | 4386 | MT HUKKE AV | 1248F2 |
| 20 | 17764 | 420 | 183355 | 4 | E12S | 4296 | MT HUKKE AV | 1248F3 | |
| | | 421 | 309309 | 4 | E12S | 4302 | MT HUKKE AV | 1248F3 | |
| | | 422 | 309310 | 4 | E12S | 4301 | MT HUKKE AV | 1248F3 | |
| | | 423 | 183161 | 4 | E12S | 4307 | MT HUKKE AV | 1248F3 | |
| | | 424 | 309209 | 4 | E12S | 4314 | MT HUKKE AV | 1248F3 | |
| | | 425 | 183097 | 4 | E12S | 4315 | MT HUKKE AV | 1248F3 | |
| | | 426 | 182988 | 4 | E12S | 4321 | MT HUKKE AV | 1248F3 | |
| | | 427 | 183189 | 4 | E12S | 4308 | MT HUKKE AV | 1248F3 | |
| | 17765 | 428 | 183457 | 4 | E12S | 4286 | MT HUKKE AV | 1248F3 | |
| | | 429 | 183397 | 4 | E12S | 4295 | MT HUKKE AV | 1248F3 | |
| | 17887 | 430 | 183439 | 4 | E12S | 4611 | MT FORDE AV | 1248F3 | |
| | | 431 | 183517 | 4 | E12S | 4621 | MT FORDE AV | 1248F3 | |
| | | 432 | 183569 | 4 | E12S | 4631 | MT FORDE AV | 1248F3 | |
| | 17888 | 433 | 183432 | 4 | E12S | 4218 | MT VOSS DR | 1248F3 | |
| | | 434 | 183441 | 4 | E12S | 4233 | MT VOSS DR | 1248F3 | |
| | | 435 | 309404 | 4 | E12S | 4226 | MT VOSS DR | 1248F3 | |
| | | 436 | 309597 | 4 | E12S | 4201 | MT VOSS DR | 1248F3 | |
| | | 437 | 183488 | 4 | E12S | 4225 | MT VOSS DR | 1248F3 | |
| | | 438 | 183659 | 4 | E12S | 4641 | MT FORDE AV | 1248F3 | |
| | | 439 | 309375 | 4 | E12S | 4234 | MT VOSS DR | 1248F3 | |
| | | 440 | 183598 | 4 | E12S | 4209 | MT VOSS DR | 1248F3 | |
| | | 441 | 309496 | 4 | E12S | 4217 | MT VOSS DR | 1248F3 | |
| | | 442 | 309466 | 4 | E12S | 4210 | MT VOSS DR | 1248F3 | |
| | 17889 | 443 | 183108 | 4 | E12S | 4274 | MT VOSS DR | 1248F3 | |
| | | 444 | 183350 | 4 | E12S | 4249 | MT VOSS DR | 1248F3 | |
| | | 445 | 183242 | 4 | E12S | 4265 | MT VOSS DR | 1248F3 | |
| | | 446 | 183387 | 4 | E12S | 4241 | MT VOSS DR | 1248F3 | |
| | | 447 | 309247 | 4 | E12S | 4264 | MT VOSS DR | 1248F3 | |
| | | 448 | 183214 | 4 | E12S | 4254 | MT VOSS DR | 1248F3 | |
| | | 449 | 183296 | 4 | E12S | 4257 | MT VOSS DR | 1248F3 | |
| 450 | | 309267 | 4 | E12S | 4273 | MT VOSS DR | 1248F3 | | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|--------------|--------------|-------------|
| | | 451 | 309338 | 4 | E12S | 4242 | MT VOSS DR | 1248F3 |
| | 17890 | 452 | 309190 | 4 | E12S | 4284 | MT VOSS DR | 1248F3 |
| 21 | 17766 | 453 | 183600 | 4 | E12S | 4275 | MT HUKKE AV | 1248F3 |
| | | 454 | 183674 | 4 | E12S | 4256 | MT HUKKE AV | 1248F3 |
| | | 455 | 309518 | 4 | E12S | 4274 | MT HUKKE AV | 1248F3 |
| | | 456 | 183506 | 4 | E12S | 4285 | MT HUKKE AV | 1248F3 |
| | | 457 | 309622 | 4 | E12S | 4263 | MT HUKKE AV | 1248F3 |
| | 17981 | 458 | 183986 | 4 | E12S | 4212 | MT HUKKE AV | 1248F3 |
| | | 459 | 309718 | 4 | E12S | 4232 | MT HUKKE AV | 1248F3 |
| | | 460 | 184056 | 4 | E12S | 4211 | MT HUKKE AV | 1248F3 |
| | | 461 | 184073 | 4 | E12S | 4202 | MT HUKKE AV | 1248F3 |
| | | 462 | 309684 | 4 | E12S | 4244 | MT HUKKE AV | 1248F3 |
| | | 463 | 309847 | 4 | E12S | 4221 | MT HUKKE AV | 1248F3 |
| | | 464 | 183761 | 4 | E12S | 4253 | MT HUKKE AV | 1248F3 |
| | | 465 | 183908 | 4 | E12S | 4222 | MT HUKKE AV | 1248F3 |
| | | 466 | 183927 | 4 | E12S | 4231 | MT HUKKE AV | 1248F3 |
| | | 467 | 184149 | 4 | E13S | 4201 | MT HUKKE AV | 1248F3 |
| | | 468 | 183853 | 4 | E12S | 4241 | MT HUKKE AV | 1248F3 |
| | | 469 | 309925 | 4 | E13S | 4196 | MT HUKKE AV | 1248F3 |
| 22 | 17996 | 470 | 310032 | 4 | E13S | 4210 | MT PUTMAN AV | 1248F3 |
| | | 471 | 184275 | 4 | E13S | 4223 | MT PUTMAN AV | 1248F3 |
| | | 472 | 309786 | 4 | E12S | 4250 | MT PUTMAN AV | 1248F3 |
| | | 473 | 309849 | 4 | E12S | 4242 | MT PUTMAN AV | 1248F3 |
| | | 474 | 184067 | 4 | E12S | 4234 | MT PUTMAN AV | 1248F3 |
| | | 475 | 309906 | 4 | E13S | 4239 | MT PUTMAN AV | 1248F3 |
| | | 476 | 309941 | 4 | E13S | 4226 | MT PUTMAN AV | 1248F3 |
| | | 477 | 184354 | 4 | E13S | 4215 | MT PUTMAN AV | 1248F3 |
| | | 478 | 309861 | 4 | E12S | 4247 | MT PUTMAN AV | 1248F3 |
| | | 479 | 309947 | 4 | E13S | 4231 | MT PUTMAN AV | 1248F3 |
| | | 480 | 309983 | 4 | E13S | 4218 | MT PUTMAN AV | 1248F3 |
| 23 | 17977 | 481 | 309806 | 4 | E12S | 4255 | MT PUTMAN AV | 1248F3 |
| | | 482 | 185146 | 4 | E13S | 4131 | MT PUTMAN AV | 1248F3 |
| | | 483 | 185034 | 4 | E13S | 4141 | MT PUTMAN AV | 1248F3 |
| | | 484 | 310410 | 4 | E13S | 4144 | MT PUTMAN AV | 1248F3 |
| | | 485 | 185267 | 4 | E13S | 4119 | MT PUTMAN AV | 1248F3 |
| | | 486 | 185044 | 4 | E13S | 4132 | MT PUTMAN AV | 1248F3 |
| | 17978 | 487 | 185179 | 4 | E13S | 4118 | MT PUTMAN AV | 1248F3 |
| | | 488 | 310244 | 4 | E13S | 4168 | MT PUTMAN AV | 1248F3 |
| | | 489 | 310308 | 4 | E13S | 4156 | MT PUTMAN AV | 1248F3 |
| | | 490 | 184921 | 4 | E13S | 4151 | MT PUTMAN AV | 1248F3 |
| | | 491 | 310264 | 4 | E13S | 4167 | MT PUTMAN AV | 1248F3 |
| | | 492 | 184579 | 4 | E13S | 4180 | MT PUTMAN AV | 1248F3 |
| | | 493 | 184818 | 4 | E13S | 4159 | MT PUTMAN AV | 1248F3 |
| | 494 | 184646 | 4 | E13S | 4682 | MT PUTMAN CT | 1248F3 | |
| | 495 | 310187 | 4 | E13S | 4662 | MT PUTMAN CT | 1248F3 | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|----------------|--------------|-------------|
| | 17979 | 496 | 184783 | 4 | E13S | 4661 | MT PUTMAN CT | 1248F3 |
| | | 497 | 184570 | 4 | E13S | 4652 | MT PUTMAN CT | 1248F3 |
| | | 498 | 184628 | 4 | E13S | 4672 | MT PUTMAN CT | 1248F3 |
| | | 499 | 184803 | 4 | E13S | 4671 | MT PUTMAN CT | 1248F3 |
| 24 | 17974 | 500 | 185727 | 4 | E13S | 4683 | MT ARMET DR | 1248F3 |
| | | 501 | 310761 | 4 | E13S | 4674 | MT ARMET DR | 1248F3 |
| | | 502 | 310859 | 4 | E13S | 4680 | MT ARMET DR | 1248F3 |
| | | 503 | 310912 | 4 | E13S | 4686 | MT ARMET DR | 1248F3 |
| | | 504 | 185815 | 4 | E13S | 4689 | MT ARMET DR | 1248F3 |
| | | 505 | 310849 | 4 | E13S | 4677 | MT ARMET DR | 1248F3 |
| | 17975 | 506 | 310767 | 4 | E13S | 4671 | MT ARMET DR | 1248F3 |
| | | 507 | 185389 | 4 | E13S | 4665 | MT ARMET DR | 1248F3 |
| | | 508 | 310616 | 4 | E13S | 4659 | MT ARMET DR | 1248F3 |
| | 17976 | 509 | 310703 | 4 | E13S | 4109 | MT PUTMAN AV | 1248F3 |
| 510 | | 310649 | 4 | E13S | 4104 | MT PUTMAN AV | 1248F3 | |
| 25 | 17983 | 511 | 310089 | 4 | E13S | 4163 | MT HUKKEE AV | 1248F3 |
| | | 512 | 184487 | 4 | E13S | 4152 | MT HUKKEE AV | 1248F3 |
| | | 513 | 310198 | 4 | E13S | 4142 | MT HUKKEE AV | 1248F3 |
| | | 514 | 184549 | 4 | E13S | 4151 | MT HUKKEE AV | 1248F3 |
| | | 515 | 310059 | 4 | E13S | 4164 | MT HUKKEE AV | 1248F3 |
| | | 516 | 310233 | 4 | E13S | 4141 | MT HUKKEE AV | 1248F3 |
| | | 517 | 184736 | 4 | E13S | 4130 | MT HUKKEE AV | 1248F3 |
| | | 518 | 310298 | 4 | E13S | 4131 | MT HUKKEE AV | 1248F3 |
| | 17984 | 519 | 310476 | 4 | E13S | 4101 | MT HUKKEE AV | 1248F3 |
| | | 520 | 184963 | 4 | E13S | 4102 | MT HUKKEE AV | 1248F3 |
| | | 521 | 184873 | 4 | E13S | 4121 | MT HUKKEE AV | 1248F3 |
| | | 522 | 310419 | 4 | E13S | 4111 | MT HUKKEE AV | 1248F3 |
| | | 523 | 184862 | 4 | E13S | 4116 | MT HUKKEE AV | 1248F3 |
| | 17986 | 524 | 185198 | 4 | E13S | 4653 | MT ARMET DR | 1248F3 |
| | | 525 | 185108 | 4 | E13S | 4641 | MT ARMET DR | 1248F3 |
| | | 526 | 185152 | 4 | E13S | 4649 | MT ARMET DR | 1248F3 |
| | 17987 | 527 | 184735 | 4 | E13S | 4609 | MT ARMET DR | 1248F3 |
| | | 528 | 184793 | 4 | E13S | 4617 | MT ARMET DR | 1248F3 |
| | | 529 | 184698 | 4 | E13S | 4601 | MT ARMET DR | 1248F3 |
| | | 530 | 310266 | 4 | E13S | 4610 | MT ARMET DR | 1248F3 |
| 17988 | 531 | 310389 | 4 | E13S | 4625 | MT ARMET DR | 1248F3 | |
| | 532 | 184882 | 4 | E13S | 4616 | MT ARMET DR | 1248F3 | |
| | 533 | 184995 | 4 | E13S | 4633 | MT ARMET DR | 1248F3 | |
| 18036 | 534 | 186145 | 4 | E13S | 4061 | MT BRUNDAGE AV | 1248G3 | |
| | 535 | 186268 | 4 | E13S | 4045 | MT BRUNDAGE AV | 1248G3 | |
| | 536 | 311359 | 4 | E13S | 4037 | MT BRUNDAGE AV | 1248G3 | |
| | 537 | 186160 | 4 | E13S | 4060 | MT BRUNDAGE AV | 1248G3 | |
| | 538 | 311266 | 4 | E13S | 4053 | MT BRUNDAGE AV | 1248G3 | |
| | 539 | 186349 | 4 | E13S | 4052 | MT BRUNDAGE AV | 1248G3 | |
| | 540 | 186146 | 4 | E13S | 4070 | MT BRUNDAGE AV | 1248G3 | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|----------|-----------------|-----------------|
| 26 | 18037 | 541 | 311496 | 4 | E13S | 4021 | MT BRUNDAGE AV | 1248G3 |
| | | 542 | 186378 | 4 | E13S | 4040 | MT BRUNDAGE AV | 1248G3 |
| | | 543 | 186492 | 4 | E13S | 4020 | MT BRUNDAGE AV | 1248G3 |
| | | 544 | 311409 | 4 | E13S | 4029 | MT BRUNDAGE AV | 1248G3 |
| | 18038 | 545 | 186773 | 4 | E13S | 5011 | MT BLANCA DR | 1248G4 |
| | 18039 | 546 | 186958 | 4 | E13S | 3981 | MT BRUNDAGE AV | 1248G4 |
| | | 547 | 186750 | 4 | E13S | 4004 | MT BRUNDAGE AV | 1248G4 |
| | | 548 | 186657 | 4 | E13S | 4012 | MT BRUNDAGE AV | 1248G3 |
| | | 549 | 186826 | 4 | E13S | 5001 | MT BLANCA DR | 1248G4 |
| | 18047 | 550 | 311476 | 4 | E13S | 4002 | MT BLACKBURN AV | 1248G3 |
| | | 551 | 186220 | 4 | E13S | 4017 | MT BLACKBURN AV | 1248G3 |
| | | 552 | 186776 | 4 | E13S | 5021 | MT BLANCA DR | 1248G4 |
| | | 553 | 311305 | 4 | E13S | 4018 | MT BLACKBURN AV | 1248G3 |
| | | 554 | 311636 | 4 | E13S | 3993 | MT BLACKBURN AV | 1248G3 |
| | | 555 | 311374 | 4 | E13S | 4010 | MT BLACKBURN AV | 1248G3 |
| | | 556 | 186496 | 4 | E13S | 4001 | MT BLACKBURN AV | 1248G3 |
| | | 557 | 186350 | 4 | E13S | 4009 | MT BLACKBURN AV | 1248G3 |
| | 18048 | 558 | 185867 | 4 | E13S | 4049 | MT BLACKBURN AV | 1248G3 |
| | | 559 | 186093 | 4 | E13S | 4025 | MT BLACKBURN AV | 1248G3 |
| | | 560 | 311128 | 4 | E13S | 4034 | MT BLACKBURN AV | 1248G3 |
| | | 561 | 185983 | 4 | E13S | 4033 | MT BLACKBURN AV | 1248G3 |
| | | 562 | 186084 | 4 | E13S | 4026 | MT BLACKBURN AV | 1248G3 |
| | | 563 | 311032 | 4 | E13S | 4042 | MT BLACKBURN AV | 1248G3 |
| | | 564 | 185868 | 4 | E13S | 4050 | MT BLACKBURN AV | 1248G3 |
| | | 565 | 185873 | 4 | E13S | 4041 | MT BLACKBURN AV | 1248G3 |
| | 27 | 18040 | 566 | 187216 | 4 | E13S | 3961 | MT BRUNDAGE AV |
| 567 | | | 187445 | 4 | E13S | 3931 | MT BRUNDAGE AV | 1248G4 |
| 568 | | | 187351 | 4 | E13S | 3941 | MT BRUNDAGE AV | 1248G4 |
| 569 | | | 187080 | 4 | E13S | 3971 | MT BRUNDAGE AV | 1248G4 |
| 570 | | | 312053 | 4 | E13S | 3951 | MT BRUNDAGE AV | 1248G4 |
| 18041 | | 571 | 312434 | 4 | E13S | 3885 | MT BRUNDAGE AV | 1248G4 |
| | | 572 | 187556 | 4 | E13S | 3921 | MT BRUNDAGE AV | 1248G4 |
| | | 573 | 187710 | 4 | E13S | 3901 | MT BRUNDAGE AV | 1248G4 |
| | | 574 | 312324 | 4 | E13S | 3911 | MT BRUNDAGE AV | 1248G4 |
| 18042 | | 575 | 187475 | 4 | E13S | 3926 | MT BLACKBURN AV | 1248G4 |
| | | 576 | 312439 | 4 | E13S | 3903 | MT BLACKBURN AV | 1248G4 |
| | | 577 | 187696 | 4 | E13S | 3911 | MT BLACKBURN AV | 1248G4 |
| | | 578 | 187627 | 4 | E13S | 3919 | MT BLACKBURN AV | 1248G4 |
| | | 579 | 187596 | 4 | E13S | 3918 | MT BLACKBURN AV | 1248G4 |
| | | 580 | 312388 | 4 | E13S | 3902 | MT BLACKBURN AV | 1248G4 |
| | | 581 | 312344 | 4 | E13S | 3910 | MT BLACKBURN AV | 1248G4 |
| | | 582 | 187468 | 4 | E13S | 3935 | MT BLACKBURN AV | 1248G4 |
| | | 583 | 312128 | 4 | E13S | 3936 | MT BLACKBURN AV | 1248G4 |
| | | 584 | 312250 | 4 | E13S | 3927 | MT BLACKBURN AV | 1248G4 |
| | | | 585 | 311948 | 4 | E13S | 3963 | MT BLACKBURN AV |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|----------------|-----------------|-------------|
| | 18043 | 586 | 311859 | 4 | E13S | 3973 | MT BLACKBURN AV | 1248G4 |
| | | 587 | 186969 | 4 | E13S | 3974 | MT BLACKBURN AV | 1248G4 |
| | | 588 | 312025 | 4 | E13S | 3953 | MT BLACKBURN AV | 1248G4 |
| | | 589 | 187308 | 4 | E13S | 3943 | MT BLACKBURN AV | 1248G4 |
| | | 590 | 187134 | 4 | E13S | 3962 | MT BLACKBURN AV | 1248G4 |
| | | 591 | 311750 | 4 | E13S | 3983 | MT BLACKBURN AV | 1248G4 |
| | | 592 | 312040 | 4 | E13S | 3950 | MT BLACKBURN AV | 1248G4 |
| 28 | 18141 | 593 | 187990 | 4 | E13S | 3874 | MT BLACKBURN AV | 1248G4 |
| | | 594 | 188091 | 4 | E13S | 3862 | MT BLACKBURN AV | 1248G4 |
| | | 595 | 188130 | 4 | E13S | 3855 | MT BLACKBURN AV | 1248G4 |
| | | 596 | 188152 | 4 | E13S | 3850 | MT BLACKBURN AV | 1248G4 |
| | | 597 | 187832 | 4 | E13S | 3893 | MT BLACKBURN AV | 1248G4 |
| | | 598 | 312549 | 4 | E13S | 3883 | MT BLACKBURN AV | 1248G4 |
| | | 599 | 312786 | 4 | E13S | 3843 | MT BLACKBURN AV | 1248G4 |
| | | 600 | 312640 | 4 | E13S | 3871 | MT BLACKBURN AV | 1248G4 |
| | 18153 | 601 | 312462 | 4 | E13S | 3894 | MT BLACKBURN AV | 1248G4 |
| | | 602 | 312517 | 4 | E13S | 3884 | MT BLACKBURN AV | 1248G4 |
| | | 603 | 188088 | 4 | E13S | 3855 | MT BRUNDAGE AV | 1248G4 |
| | | 604 | 187848 | 4 | E13S | 3875 | MT BRUNDAGE AV | 1248G4 |
| | | 605 | 187971 | 4 | E13S | 3865 | MT BRUNDAGE AV | 1248G4 |
| | | 606 | 188170 | 4 | E13S | 3845 | MT BRUNDAGE AV | 1248G4 |
| 29 | 18140 | 607 | 188836 | 4 | E13S | 3795 | MT BLACKBURN AV | 1248G4 |
| | | 608 | 188700 | 4 | E13S | 5040 | MT ARARAT DR | 1248G4 |
| | | 609 | 313106 | 4 | E13S | 5030 | MT ARARAT DR | 1248G4 |
| | 18142 | 610 | 312908 | 4 | E13S | 3826 | MT BLACKBURN AV | 1248G4 |
| | | 611 | 188482 | 4 | E13S | 3814 | MT BLACKBURN AV | 1248G4 |
| | | 612 | 312954 | 4 | E13S | 3817 | MT BLACKBURN AV | 1248G4 |
| | | 613 | 312868 | 4 | E13S | 3829 | MT BLACKBURN AV | 1248G4 |
| | | 614 | 188245 | 4 | E13S | 3838 | MT BLACKBURN AV | 1248G4 |
| | 18143 | 615 | 188880 | 4 | E13S | 5011 | MT ARARAT DR | 1248G4 |
| | | 616 | 188730 | 4 | E13S | 5012 | MT ARARAT DR | 1248G4 |
| | | 617 | 313227 | 4 | E13S | 5021 | MT ARARAT DR | 1248G4 |
| | | 618 | 188721 | 4 | E13S | 5020 | MT ARARAT DR | 1248G4 |
| | | 619 | 188888 | 4 | E13S | 5001 | MT ARARAT DR | 1248G4 |
| | | 620 | 313134 | 4 | E13S | 5002 | MT ARARAT DR | 1248G4 |
| | 18151 | 621 | 188900 | 4 | E13S | 4995 | MT ARARAT DR | 1248G4 |
| 622 | | 188948 | 4 | E13S | 4947 | MT ARARAT DR | 1248G4 | |
| 623 | | 188912 | 4 | E13S | 4983 | MT ARARAT DR | 1248G4 | |
| 624 | | 188936 | 4 | E13S | 4959 | MT ARARAT DR | 1248G4 | |
| 625 | | 313263 | 4 | E13S | 4971 | MT ARARAT DR | 1248G4 | |
| 18152 | 626 | 188281 | 4 | E13S | 3835 | MT BRUNDAGE AV | 1248G4 | |
| | 627 | 188517 | 4 | E13S | 3815 | MT BRUNDAGE AV | 1248G4 | |
| | 628 | 188385 | 4 | E13S | 3825 | MT BRUNDAGE AV | 1248G4 | |
| | | 629 | 313062 | 4 | E13S | 4825 | MT ARARAT DR | 1248F4 |
| | | 630 | 188545 | 4 | E13S | 4810 | MT ARARAT DR | 1248F4 |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|----------|----------------|----------------|
| 30 | 18085 | 631 | 188546 | 4 | E13S | 4801 | MT ARARAT DR | 1248F4 |
| | | 632 | 188547 | 4 | E13S | 4809 | MT ARARAT DR | 1248F4 |
| | | 633 | 313018 | 4 | E13S | 4817 | MT ARARAT DR | 1248F4 |
| | | 634 | 188743 | 4 | E13S | 4833 | MT ARARAT DR | 1248F4 |
| | | 635 | 313023 | 4 | E13S | 4818 | MT ARARAT DR | 1248F4 |
| | | 636 | 313074 | 4 | E13S | 4826 | MT ARARAT DR | 1248F4 |
| | 18086 | 637 | 313257 | 4 | E13S | 4865 | MT ARARAT DR | 1248G4 |
| | | 638 | 188907 | 4 | E13S | 4857 | MT ARARAT DR | 1248F4 |
| | | 639 | 188891 | 4 | E13S | 4849 | MT ARARAT DR | 1248F4 |
| | | 640 | 188905 | 4 | E13S | 4841 | MT ARARAT DR | 1248F4 |
| | 18149 | 641 | 188933 | 4 | E13S | 4873 | MT ARARAT DR | 1248G4 |
| | | 642 | 188945 | 4 | E13S | 4883 | MT ARARAT DR | 1248G4 |
| | 18150 | 643 | 313291 | 4 | E13S | 4935 | MT ARARAT DR | 1248G4 |
| | | 644 | 376449 | 4 | E13S | 4902 | MT ARARAT DR | 1248G4 |
| | | 645 | 313300 | 4 | E13S | 4923 | MT ARARAT DR | 1248G4 |
| 31 | 18146 | 646 | 189428 | 4 | E13S | 4917 | MT ALMAGOSA DR | 1248G4 |
| | | 647 | 189432 | 4 | E13S | 4909 | MT ALMAGOSA DR | 1248G4 |
| | | 648 | 189446 | 4 | E13S | 4901 | MT ALMAGOSA DR | 1248G4 |
| | | 649 | 189254 | 4 | E13S | 4902 | MT ALMAGOSA DR | 1248G4 |
| | | 650 | 313522 | 4 | E13S | 4912 | MT ALMAGOSA DR | 1248G4 |
| | 18147 | 651 | 189223 | 4 | E13S | 4862 | MT ALMAGOSA DR | 1248G4 |
| | | 652 | 189443 | 4 | E13S | 4891 | MT ALMAGOSA DR | 1248G4 |
| | | 653 | 313633 | 4 | E13S | 4871 | MT ALMAGOSA DR | 1248G4 |
| | | 654 | 313514 | 4 | E13S | 4892 | MT ALMAGOSA DR | 1248G4 |
| | | 655 | 189207 | 4 | E13S | 4852 | MT ALMAGOSA DR | 1248F4 |
| | | 656 | 189230 | 4 | E13S | 4872 | MT ALMAGOSA DR | 1248G4 |
| | | 657 | 189395 | 4 | E13S | 4861 | MT ALMAGOSA DR | 1248G4 |
| | | 658 | 313642 | 4 | E13S | 4881 | MT ALMAGOSA DR | 1248G4 |
| | | 659 | 189374 | 4 | E13S | 4853 | MT ALMAGOSA DR | 1248F4 |
| | 18148 | 660 | 313504 | 4 | E13S | 4882 | MT ALMAGOSA DR | 1248G4 |
| | | 661 | 313303 | 4 | E13S | 4893 | MT ARARAT DR | 1248G4 |
| | | 662 | 188980 | 4 | E13S | 4911 | MT ARARAT DR | 1248G4 |
| | 32 | 18081 | 663 | 189269 | 4 | E13S | 4722 | MT ALMAGOSA DR |
| 664 | | | 313628 | 4 | E13S | 4727 | MT ALMAGOSA DR | 1248F4 |
| 665 | | | 313623 | 4 | E13S | 4737 | MT ALMAGOSA DR | 1248F4 |
| 666 | | | 313648 | 4 | E13S | 4717 | MT ALMAGOSA DR | 1248F4 |
| 667 | | | 189243 | 4 | E13S | 4734 | MT ALMAGOSA DR | 1248F4 |
| 18082 | | 668 | 189331 | 4 | E13S | 4747 | MT ALMAGOSA DR | 1248F4 |
| | | 669 | 189219 | 4 | E13S | 3795 | MT ALMAGOSA PL | 1248F4 |
| | | 670 | 313334 | 4 | E13S | 4784 | MT ALMAGOSA DR | 1248F4 |
| | | 671 | 189195 | 4 | E13S | 4744 | MT ALMAGOSA DR | 1248F4 |
| | | 672 | 313318 | 4 | E13S | 4794 | MT ALMAGOSA DR | 1248F4 |
| | | 673 | 313410 | 4 | E13S | 4764 | MT ALMAGOSA DR | 1248F4 |
| | | 674 | 189150 | 4 | E13S | 4754 | MT ALMAGOSA DR | 1248F4 |
| 675 | 313377 | 4 | E13S | 4774 | MT ALMAGOSA DR | 1248F4 | | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|--------------|----------------|-------------|
| | 18084 | 676 | 189041 | 4 | E13S | 4812 | MT ALMAGOSA DR | 1248F4 |
| | | 677 | 188985 | 4 | E13S | 4802 | MT ALMAGOSA DR | 1248F4 |
| | | 678 | 189105 | 4 | E13S | 4822 | MT ALMAGOSA DR | 1248F4 |
| | | 679 | 189135 | 4 | E13S | 4783 | MT ALMAGOSA DR | 1248F4 |
| | | 680 | 313492 | 4 | E13S | 4821 | MT ALMAGOSA DR | 1248F4 |
| | 18087 | 681 | 189295 | 4 | E13S | 4829 | MT ALMAGOSA DR | 1248F4 |
| | | 682 | 189352 | 4 | E13S | 4845 | MT ALMAGOSA DR | 1248F4 |
| | | 683 | 313459 | 4 | E13S | 4834 | MT ALMAGOSA DR | 1248F4 |
| | | 684 | 313473 | 4 | E13S | 4844 | MT ALMAGOSA DR | 1248F4 |
| | | 685 | 313575 | 4 | E13S | 4837 | MT ALMAGOSA DR | 1248F4 |
| 33 | 21580 | 686 | 311853 | 4 | F13S | 3951 | MT ALADIN AV | 1248G4 |
| | | 687 | 186856 | 4 | F13S | 3962 | MT ACADIA BL | 1248G3 |
| | | 688 | 311690 | 4 | F13S | 3971 | MT ALADIN AV | 1248G3 |
| | | 689 | 311754 | 4 | F13S | 3961 | MT ALADIN AV | 1248G4 |
| | | 690 | 311933 | 4 | F13S | 3942 | MT ACADIA BL | 1248G4 |
| | | 691 | 186796 | 4 | F13S | 3972 | MT ACADIA BL | 1248G3 |
| | | 692 | 186984 | 4 | F13S | 3952 | MT ACADIA BL | 1248G4 |
| | 21587 | 693 | 187139 | 4 | F13S | 3941 | MT ALADIN AV | 1248G4 |
| | | 694 | 312027 | 4 | F13S | 3931 | MT ALADIN AV | 1248G4 |
| | | 695 | 312264 | 4 | F13S | 3901 | MT ALADIN AV | 1248G4 |
| | | 696 | 312399 | 4 | F13S | 3871 | MT ALADIN AV | 1248G4 |
| | | 697 | 187226 | 4 | F13S | 3932 | MT ACADIA BL | 1248G4 |
| | | 698 | 312182 | 4 | F13S | 3912 | MT ACADIA BL | 1248H4 |
| | | 699 | 187570 | 4 | F13S | 3902 | MT ACADIA BL | 1248H4 |
| | | 700 | 187316 | 4 | F13S | 3922 | MT ACADIA BL | 1248G4 |
| | | 701 | 187669 | 4 | F13S | 3881 | MT ALADIN AV | 1248G4 |
| | | 702 | 312103 | 4 | F13S | 3921 | MT ALADIN AV | 1248G4 |
| | 21864 | 703 | 312329 | 4 | F13S | 3882 | MT ACADIA BL | 1248H4 |
| | | 704 | 312404 | 4 | F13S | 3872 | MT ACADIA BL | 1248H4 |
| | | 705 | 187449 | 4 | F13S | 3911 | MT ALADIN AV | 1248G4 |
| | | 706 | 188141 | 4 | F13S | 3832 | MT ACADIA BL | 1248H4 |
| | | 707 | 312504 | 4 | F13S | 3862 | MT ACADIA BL | 1248H4 |
| | | 708 | 187885 | 4 | F13S | 3901 | MT ACADIA BL | 1248H4 |
| | | 709 | 188032 | 4 | F13S | 3841 | MT ALADIN AV | 1248G4 |
| | | 710 | 188214 | 4 | F13S | 3822 | MT ACADIA BL | 1248H4 |
| | | 711 | 312553 | 4 | F13S | 3851 | MT ALADIN AV | 1248G4 |
| | | 712 | 312478 | 4 | F13S | 3861 | MT ALADIN AV | 1248G4 |
| | 21867 | 713 | 187914 | 4 | F13S | 3852 | MT ACADIA BL | 1248H4 |
| | | 714 | 188198 | 4 | F13S | 3821 | MT ALADIN AV | 1248H4 |
| | | 715 | 312713 | 4 | F13S | 3831 | MT ALADIN AV | 1248H4 |
| | | 716 | 312626 | 4 | F13S | 3842 | MT ACADIA BL | 1248H4 |
| | | 717 | 188476 | 4 | F13S | 3801 | MT ALADIN AV | 1248H4 |
| | | 718 | 312857 | 4 | F13S | 3812 | MT ACADIA BL | 1248H4 |
| 719 | | 188456 | 4 | F13S | 3802 | MT ACADIA BL | 1248H4 | |
| 720 | | 188294 | 4 | F13S | 3821 | MT ALADIN AV | 1248H4 | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|--------------|--------------|-------------|
| 34 | 21866 | 721 | 188989 | 4 | F13S | 3762 | MT ACADIA BL | 1248H4 |
| | | 722 | 188667 | 4 | F13S | 3791 | MT ALADIN AV | 1248H4 |
| | | 723 | 188720 | 4 | F13S | 3781 | MT ALADIN AV | 1248H4 |
| | | 724 | 188828 | 4 | F13S | 3771 | MT ALADIN AV | 1248H4 |
| | | 725 | 189040 | 4 | F13S | 3751 | MT ALADIN AV | 1248H4 |
| | | 726 | 313217 | 4 | F13S | 3772 | MT ACADIA BL | 1248H4 |
| | | 727 | 188952 | 4 | F13S | 3761 | MT ALADIN AV | 1248H4 |
| | | 728 | 313080 | 4 | F13S | 3792 | MT ACADIA BL | 1248H4 |
| | | 729 | 313378 | 4 | F13S | 3752 | MT ACADIA BL | 1248H4 |
| | | 730 | 313125 | 4 | F13S | 3782 | MT ACADIA BL | 1248H4 |
| | 21868 | 731 | 188966 | 4 | F13S | 3752 | MT ABBEY AV | 1248H4 |
| | | 732 | 188832 | 4 | F13S | 3771 | MT ACADIA BL | 1248H4 |
| | | 733 | 313135 | 4 | F13S | 3772 | MT ABBEY AV | 1248H4 |
| | | 734 | 188748 | 4 | F13S | 3781 | MT ACADIA BL | 1248H4 |
| | | 735 | 313296 | 4 | F13S | 3761 | MT ACADIA BL | 1248H4 |
| | | 736 | 188679 | 4 | F13S | 5541 | MT ARARAT DR | 1248H4 |
| | | 737 | 188680 | 4 | F13S | 3791 | MT ACADIA BL | 1248H4 |
| | | 738 | 188863 | 4 | F13S | 3762 | MT ABBEY AV | 1248H4 |
| | 21870 | 739 | 189136 | 4 | F13S | 3741 | MT ALADIN AV | 1248H4 |
| | | 740 | 189631 | 4 | F13S | 3702 | MT ACADIA BL | 1248H4 |
| | | 741 | 313571 | 4 | F13S | 3722 | MT ACADIA BL | 1248H4 |
| | | 742 | 189266 | 4 | F13S | 3732 | MT ACADIA BL | 1248H4 |
| | | 743 | 313520 | 4 | F13S | 3731 | MT ALADIN AV | 1248H4 |
| | | 744 | 313624 | 4 | F13S | 3721 | MT ALADIN AV | 1248H4 |
| | | 745 | 189160 | 4 | F13S | 3742 | MT ACADIA BL | 1248H4 |
| | | 746 | 313689 | 4 | F13S | 3711 | MT ALADIN AV | 1248H4 |
| | | 747 | 313807 | 4 | F13S | 3701 | MT ALADIN AV | 1248H4 |
| | | 748 | 313669 | 4 | F13S | 3712 | MT ACADIA BL | 1248H4 |
| | 21931 | 749 | 313481 | 4 | F13S | 3725 | MT ABBEY AV | 1248H4 |
| | | 750 | 189006 | 4 | F13S | 3745 | MT ABBEY AV | 1248H4 |
| 751 | | 313414 | 4 | F13S | 3735 | MT ABBEY AV | 1248H4 | |
| 752 | | 189372 | 4 | F13S | 3711 | MT ABBEY AV | 1248H4 | |
| 753 | | 313244 | 4 | F13S | 3755 | MT ABBEY AV | 1248H4 | |
| 21932 | 754 | 313159 | 4 | F13S | 3765 | MT ABBEY AV | 1248H4 | |
| | 755 | 188606 | 4 | F13S | 3811 | MT ACADIA BL | 1248H4 | |
| | 756 | 188610 | 4 | F13S | 3785 | MT ABBEY AV | 1248H4 | |
| | 757 | 313092 | 4 | F13S | 3775 | MT ABBEY AV | 1248H4 | |
| 21882 | 758 | 189905 | 4 | F13S | 3681 | MT ALADIN AV | 1248H4 | |
| | 759 | 189958 | 4 | F13S | 3666 | MT ACADIA BL | 1248H4 | |
| | 760 | 190075 | 4 | F13S | 3658 | MT ACADIA BL | 1248H4 | |
| | 761 | 314154 | 4 | F13S | 3650 | MT ACADIA BL | 1248H4 | |
| | 762 | 190172 | 4 | F13S | 3651 | MT ALADIN AV | 1248G4 | |
| | 763 | 314225 | 4 | F13S | 3642 | MT ACADIA BL | 1248H4 | |
| | 764 | 314026 | 4 | F13S | 3671 | MT ALADIN AV | 1248H4 | |
| | 765 | 314109 | 4 | F13S | 3661 | MT ALADIN AV | 1248G4 | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|---------------|--------------|-------------|
| 35 | 21883 | 766 | 314514 | 4 | F13S | 3601 | MT ALADIN AV | 1248G4 |
| | | 767 | 190283 | 4 | F13S | 3641 | MT ALADIN AV | 1248G4 |
| | | 768 | 190500 | 4 | F13S | 3618 | MT ACADIA BL | 1248G4 |
| | | 769 | 314308 | 4 | F13S | 3631 | MT ALADIN AV | 1248G4 |
| | | 770 | 314621 | 4 | F13S | 3602 | MT ACADIA BL | 1248G4 |
| | | 771 | 314359 | 4 | F13S | 3618 | MT ACADIA BL | 1248G4 |
| | | 772 | 314371 | 4 | F13S | 3626 | MT ACADIA BL | 1248G4 |
| | | 773 | 314460 | 4 | F13S | 3611 | MT ALADIN AV | 1248G4 |
| | | 774 | 314290 | 4 | F13S | 3634 | MT ACADIA BL | 1248G4 |
| | | 775 | 314524 | 4 | F13S | 3610 | MT ACADIA BL | 1248G4 |
| | 21889 | 776 | 314414 | 4 | F13S | 3641 | MT ACADIA BL | 1248H4 |
| | | 777 | 190683 | 4 | F13S | 3625 | MT ACADIA BL | 1248H4 |
| | | 778 | 314298 | 4 | F13S | 3644 | MT ABBEY AV | 1248H4 |
| | | 779 | 314182 | 4 | F13S | 3665 | MT ACADIA BL | 1248H4 |
| | | 780 | 314384 | 4 | F13S | 3638 | MT ABBEY AV | 1248H4 |
| | | 781 | 190270 | 4 | F13S | 3652 | MT ABBEY AV | 1248H4 |
| | | 782 | 190328 | 4 | F13S | 3657 | MT ACADIA BL | 1248H4 |
| | | 783 | 190374 | 4 | F13S | 3649 | MT ACADIA BL | 1248H4 |
| | | 784 | 314148 | 4 | F13S | 3660 | MT ABBEY AV | 1248H4 |
| | | 785 | 314436 | 4 | F13S | 3632 | MT ABBEY AV | 1248H4 |
| | 21892 | 786 | 314531 | 4 | F13S | 3626 | MT ABBEY AV | 1248H4 |
| | | 787 | 190615 | 4 | F13S | 3633 | MT ACADIA BL | 1248H4 |
| | | 788 | 189781 | 4 | F13S | 3691 | MT ACADIA BL | 1248H4 |
| | | 789 | 190046 | 4 | F13S | 3668 | MT ABBEY AV | 1248H4 |
| | | 790 | 190085 | 4 | F13S | 3673 | MT ACADIA BL | 1248H4 |
| | | 791 | 189764 | 4 | F13S | 3690 | MT ABBEY AV | 1248H4 |
| | | 792 | 189901 | 4 | F13S | 3681 | MT ACADIA BL | 1248H4 |
| | 21893 | 793 | 314019 | 4 | F13S | 3676 | MT ABBEY AV | 1248H4 |
| | | 794 | 189883 | 4 | F13S | 3682 | MT ABBEY AV | 1248H4 |
| | | 795 | 313864 | 4 | F13S | 3690 | MT ACADIA BL | 1248H4 |
| | 21894 | 796 | 189731 | 4 | F13S | 3691 | MT ALADIN AV | 1248H4 |
| | | 797 | 313930 | 4 | F13S | 3674 | MT ACADIA BL | 1248H4 |
| | 21895 | 798 | 313989 | 4 | F13S | 3679 | MT ABBEY AV | 1248H4 |
| 799 | | 313767 | 4 | F13S | 5601 | MT ACKERLY DR | 1248H4 | |
| 800 | | 313918 | 4 | F13S | 3687 | MT ABBEY AV | 1248H4 | |
| 801 | | 314093 | 4 | F13S | 3673 | MT ABBEY AV | 1248H4 | |
| 21887 | 802 | 314164 | 4 | F13S | 3665 | MT ABBEY AV | 1248H4 | |
| | 803 | 314263 | 4 | F13S | 3659 | MT ABBEY AV | 1248H4 | |
| | 804 | 190409 | 4 | F13S | 3587 | ACCOMAC AV | 1248H4 | |
| | 805 | 314846 | 4 | F13S | 3611 | MT ABBEY AV | 1248H4 | |
| | 806 | 314981 | 4 | F13S | 3541 | ACWORTH AV | 1248H4 | |
| 21890 | 807 | 191341 | 4 | F13S | 3533 | ACWORTH AV | 1248H4 | |
| | 808 | 314528 | 4 | F13S | 3635 | MT ABBEY AV | 1248H4 | |
| | 809 | 190896 | 4 | F13S | 5502 | MT ACARA DR | 1248H4 | |
| | 810 | 191036 | 4 | F13S | 5510 | MT ACARA DR | 1248H4 | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|-------------|--------------|-------------|
| 36 | 21891 | 811 | 191168 | 4 | F13S | 5524 | MT ACARA DR | 1248H4 |
| | | 812 | 191159 | 4 | F13S | 5509 | MT ACARA DR | 1248H4 |
| | | 813 | 314868 | 4 | F13S | 5518 | MT ACARA DR | 1248H4 |
| | | 814 | 191246 | 4 | F13S | 5517 | MT ACARA DR | 1248H4 |
| | 21896 | 815 | 190846 | 4 | F13S | 3580 | ACCOMAC AV | 1248H4 |
| | | 816 | 190757 | 4 | F13S | 3588 | ACCOMAC AV | 1248H4 |
| | | 817 | 314496 | 4 | F13S | 3651 | MT ABBEY AV | 1248H4 |
| | | 818 | 190802 | 4 | F13S | 3575 | ACCOMAC AV | 1248H4 |
| | | 819 | 314572 | 4 | F13S | 3581 | ACCOMAC AV | 1248H4 |
| | | 820 | 314736 | 4 | F13S | 3574 | ACCOMAC AV | 1248H4 |
| | 21897 | 821 | 314708 | 4 | F13S | 3567 | ACCOMAC AV | 1248H4 |
| | | 822 | 190956 | 4 | F13S | 3561 | ACCOMAC AV | 1248H4 |
| | | 823 | 191008 | 4 | F13S | 3555 | ACCOMAC AV | 1248H4 |
| | | 824 | 314799 | 4 | F13S | 3568 | ACCOMAC AV | 1248H4 |
| | 21898 | 825 | 191367 | 4 | F13S | 3538 | ACCOMAC AV | 1248H4 |
| | | 826 | 315005 | 4 | F13S | 3541 | ACCOMAC AV | 1248H4 |
| 827 | | 191240 | 4 | F13S | 3548 | ACCOMAC AV | 1248H4 | |
| 828 | | 314891 | 4 | F13S | 3549 | ACCOMAC AV | 1248H4 | |
| 829 | | 191390 | 4 | F13S | 3533 | ACCOMAC AV | 1248H4 | |
| 830 | | 191126 | 4 | F13S | 3558 | ACCOMAC AV | 1248H4 | |
| 37 | 21884 | 831 | 314750 | 4 | F13S | 3590 | MT ACADIA BL | 1248G4 |
| | 21888 | 832 | 190938 | 4 | F13S | 3609 | MT ACADIA BL | 1248G4 |
| | | 833 | 314716 | 4 | F13S | 3614 | MT ABBEY AV | 1248H4 |
| | | 834 | 314637 | 4 | F13S | 3620 | MT ABBEY AV | 1248H4 |
| | | 835 | 314852 | 4 | F13S | 3551 | ACWORTH AV | 1248H4 |
| | | 836 | 190778 | 4 | F13S | 3617 | MT ACADIA BL | 1248H4 |
| | | 837 | 191032 | 4 | F13S | 3601 | MT ACADIA BL | 1248G4 |
| | | 838 | 314789 | 4 | F13S | 3608 | MT ABBEY AV | 1248H4 |
| | 21954 | 839 | 191669 | 4 | F14S | 3574 | MT ABBEY AV | 1248G4 |
| | | 840 | 315029 | 4 | F13S | 3550 | ACWORTH AV | 1248G4 |
| | | 841 | 191340 | 4 | F13S | 3589 | MT ACADIA BL | 1248G4 |
| | | 842 | 314982 | 4 | F13S | 3595 | MT ACADIA BL | 1248G4 |
| | | 843 | 315348 | 4 | F14S | 3566 | MT ABBEY AV | 1248G4 |
| | | 844 | 191492 | 4 | F13S | 3575 | MT ACADIA BL | 1248G4 |
| | | 845 | 191414 | 4 | F13S | 3588 | MT ABBEY AV | 1248G4 |
| | | 846 | 191634 | 4 | F14S | 3567 | MT ACADIA BL | 1248G4 |
| | | 847 | 315163 | 4 | F13S | 3580 | MT ABBEY AV | 1248G4 |
| | 21955 | 848 | 315149 | 4 | F13S | 3540 | ACWORTH AV | 1248H4 |
| | | 849 | 315211 | 4 | F13S | 3587 | MT ABBEY AV | 1248H4 |
| | | 850 | 191954 | 4 | F14S | 3565 | MT ABBEY AV | 1248G5 |
| 851 | | 315277 | 4 | F14S | 3581 | MT ABBEY AV | 1248H4 | |
| 852 | | 191825 | 4 | F14S | 3573 | MT ABBEY AV | 1248H4 | |
| | | 853 | 192770 | 4 | F14S | 3501 | MT ACADIA BL | 1248G5 |
| | | 854 | 192671 | 4 | F14S | 3510 | MT ABBEY AV | 1248G5 |
| | | 855 | 315632 | 4 | F14S | 3534 | MT ABBEY AV | 1248G5 |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|---------------|---------------|-------------|
| 38 | 21950 | 856 | 315785 | 4 | F14S | 3515 | MT ACADIA BL | 1248G5 |
| | | 857 | 315615 | 4 | F14S | 3527 | MT ACADIA BL | 1248G5 |
| | | 858 | 315794 | 4 | F14S | 3518 | MT ABBEY AV | 1248G5 |
| | | 859 | 192570 | 4 | F14S | 3509 | MT ACADIA BL | 1248G5 |
| | | 860 | 315707 | 4 | F14S | 3526 | MT ABBEY AV | 1248G5 |
| | | 861 | 192305 | 4 | F14S | 3521 | MT ACADIA BL | 1248G5 |
| | 21951 | 862 | 192434 | 4 | F14S | 3527 | MT ABBEY AV | 1248G5 |
| | | 863 | 315864 | 6 | F14S | 3519 | MT ABBEY AV | 1248G5 |
| | | 864 | 192890 | 4 | F14S | 3496 | MT AACHEN AV | 1248G5 |
| | 21952 | 865 | 192094 | 4 | F14S | 3557 | MT ABBEY AV | 1248G5 |
| | | 866 | 192169 | 4 | F14S | 3549 | MT ABBEY AV | 1248G5 |
| | 21953 | 867 | 315665 | 4 | F14S | 3537 | MT ABBEY AV | 1248G5 |
| | | 868 | 191860 | 4 | F14S | 3551 | MT ACADIA BL | 1248G4 |
| | | 869 | 191994 | 4 | F14S | 3543 | MT ACADIA BL | 1248G5 |
| | | 870 | 191871 | 4 | F14S | 3558 | MT ABBEY AV | 1248G4 |
| 871 | | 315326 | 4 | F14S | 3559 | MT ACADIA BL | 1248G4 | |
| 872 | | 192088 | 4 | F14S | 3535 | MT ACADIA BL | 1248G5 | |
| 873 | | 315484 | 4 | F14S | 3550 | MT ABBEY AV | 1248G5 | |
| 874 | | 315550 | 4 | F14S | 3542 | MT ABBEY AV | 1248G5 | |
| 39 | 21901 | 875 | 189882 | 4 | F13S | 3673 | MT ACLARE AV | 1248H4 |
| | | 876 | 189829 | 4 | F13S | 3682 | MT ACLARE AV | 1248H4 |
| | | 877 | 313970 | 4 | F13S | 3672 | MT ACLARE AV | 1248H4 |
| | | 878 | 314050 | 4 | F13S | 3662 | MT ACLARE AV | 1248H4 |
| | | 879 | 314222 | 4 | F13S | 3642 | MT ACLARE AV | 1248H4 |
| | | 880 | 189828 | 4 | F13S | 3683 | MT ACLARE AV | 1248H4 |
| | | 881 | 314140 | 4 | F13S | 3652 | MT ACLARE AV | 1248H4 |
| | | 882 | 189983 | 4 | F13S | 3663 | MT ACLARE AV | 1248H4 |
| | 21902 | 883 | 314129 | 4 | F13S | 3651 | MT ACLARE AV | 1248H4 |
| | | 884 | 190081 | 4 | F13S | 3657 | MT ACOMITA AV | 1248H4 |
| | | 885 | 313993 | 4 | F13S | 3671 | MT ACOMITA AV | 1248H4 |
| | | 886 | 189835 | 4 | F13S | 3683 | MT ACOMITA AV | 1248H4 |
| | | 887 | 189920 | 4 | F13S | 3674 | MT ACOMITA AV | 1248H4 |
| | | 888 | 314124 | 4 | F13S | 3654 | MT ACOMITA AV | 1248H4 |
| | | 889 | 189836 | 4 | F13S | 3684 | MT ACOMITA AV | 1248H4 |
| | 21907 | 890 | 314054 | 4 | F13S | 3664 | MT ACOMITA AV | 1248H4 |
| | | 891 | 314229 | 4 | F13S | 3646 | MT ALVAREZ AV | 1248H4 |
| | | 892 | 190309 | 4 | F13S | 3635 | MT ALVAREZ AV | 1248H4 |
| | | 893 | 314139 | 4 | F13S | 3656 | MT ALVAREZ AV | 1248H4 |
| | | 894 | 314062 | 4 | F13S | 3666 | MT ALVAREZ AV | 1248H4 |
| 895 | | 190396 | 4 | F13S | 3636 | MT ALVAREZ AV | 1248H4 | |
| 896 | | 190000 | 4 | F13S | 3665 | MT ALVAREZ AV | 1248H4 | |
| 897 | | 190230 | 4 | F13S | 3645 | MT ALVAREZ AV | 1248H4 | |
| 898 | | 314105 | 4 | F13S | 3655 | MT ALVAREZ AV | 1248H4 | |
| 899 | | 189714 | 4 | F13S | 3695 | MT ALVAREZ AV | 1248H4 | |
| | | 900 | 313891 | 4 | F13S | 3688 | MT ALVAREZ AV | 1248H4 |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|---------------|---------------|--------------|
| | 21908 | 901 | 189647 | 4 | F13S | 3699 | MT ALVAREZ AV | 1248H4 |
| | | 902 | 189812 | 4 | F13S | 3685 | MT ALVAREZ AV | 1248H4 |
| | | 903 | 189907 | 4 | F13S | 3675 | MT ALVAREZ AV | 1248H4 |
| | | 904 | 313982 | 4 | F13S | 3678 | MT ALVAREZ AV | 1248H4 |
| | 21929 | 905 | 189689 | 4 | F13S | 3698 | MT ALVAREZ AV | 1248H4 |
| | | 906 | 189688 | 4 | F13S | 3691 | MT ACLARE AV | 1248H4 |
| | | 907 | 313710 | 4 | F13S | 5650 | MT ACKERLY DR | 1248H4 |
| | | 908 | 313815 | 4 | F13S | 3694 | MT ACOMITA AV | 1248H4 |
| | 21930 | 909 | 313810 | 4 | F13S | 3692 | MT ACLARE AV | 1248H4 |
| | | 910 | 189526 | 4 | F13S | 5610 | MT ACKERLY DR | 1248H4 |
| | | 911 | 189681 | 4 | F13S | 5609 | MT ACKERLY DR | 1248H4 |
| 40 | 21899 | 912 | 191127 | 4 | F13S | 3562 | MT ACLARE AV | 1248H4 |
| | | 913 | 190994 | 4 | F13S | 3572 | MT ACLARE AV | 1248H4 |
| | | 914 | 191259 | 4 | F13S | 3550 | MT ACLARE AV | 1248H4 |
| | | 915 | 314997 | 4 | F13S | 3551 | MT ACLARE AV | 1248H4 |
| | | 916 | 314779 | 4 | F13S | 3571 | MT ACLARE AV | 1248H4 |
| | | 917 | 314867 | 4 | F13S | 3561 | MT ACLARE AV | 1248H4 |
| | | 21900 | 918 | 190323 | 4 | F13S | 3641 | MT ACLARE AV |
| | 919 | | 314343 | 4 | F13S | 3629 | MT ACLARE AV | 1248H4 |
| | 920 | | 314422 | 4 | F13S | 3626 | MT ACLARE AV | 1248H4 |
| | 921 | | 314433 | 4 | F13S | 3619 | MT ACLARE AV | 1248H4 |
| | 922 | | 190665 | 4 | F13S | 3611 | MT ACLARE AV | 1248H4 |
| | 923 | | 314526 | 4 | F13S | 3618 | MT ACLARE AV | 1248H4 |
| | 924 | | 314628 | 4 | F13S | 3610 | MT ACLARE AV | 1248H4 |
| | 925 | | 314352 | 4 | F13S | 3634 | MT ACLARE AV | 1248H4 |
| | 926 | | 314648 | 4 | F13S | 3605 | MT ACLARE AV | 1248H4 |
| | 927 | | 314718 | 4 | F13S | 3602 | MT ACLARE AV | 1248H4 |
| | 21903 | 928 | 314719 | 4 | F13S | 3581 | MT ACLARE AV | 1248H4 |
| 929 | | 314473 | 4 | F13S | 3618 | MT ACOMITA AV | 1248H4 | |
| 930 | | 190671 | 4 | F13S | 3611 | MT ACOMITA AV | 1248H4 | |
| 931 | | 190216 | 4 | F13S | 3645 | MT ACOMITA AV | 1248H4 | |
| 932 | | 314636 | 4 | F13S | 3603 | MT ACOMITA AV | 1248H4 | |
| 933 | | 190428 | 4 | F13S | 3627 | MT ACOMITA AV | 1248H4 | |
| 934 | | 190723 | 4 | F13S | 3610 | MT ACOMITA AV | 1248H4 | |
| 935 | | 314387 | 4 | F13S | 3628 | MT ACOMITA AV | 1248H4 | |
| 936 | | 314431 | 4 | F13S | 3619 | MT ACOMITA AV | 1248H4 | |
| 937 | | 314299 | 4 | F13S | 3636 | MT ACOMITA AV | 1248H4 | |
| 938 | | 190329 | 4 | F13S | 3635 | MT ACOMITA AV | 1248H4 | |
| 939 | | 314215 | 4 | F13S | 3644 | MT ACOMITA AV | 1248H4 | |
| 21904 | | 940 | 314675 | 4 | F13S | 3602 | MT ACOMITA AV | 1248H4 |
| | 941 | 314741 | 4 | F13S | 3572 | MT ACOMITA AV | 1248H4 | |
| | 942 | 314977 | 4 | F13S | 3553 | MT ACOMITA AV | 1248H4 | |
| | 943 | 190857 | 4 | F13S | 3583 | MT ACOMITA AV | 1248H4 | |
| | 944 | 191102 | 4 | F13S | 3562 | MT ACOMITA AV | 1248H4 | |
| | 945 | 191111 | 4 | F13S | 3563 | MT ACOMITA AV | 1248H4 | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|---------------|---------------|--------------|
| 41 | 21906 | 946 | 191228 | 4 | F13S | 3552 | MT ACOMITA AV | 1248H4 |
| | | 947 | 314785 | 4 | F13S | 3573 | MT ACOMITA AV | 1248H4 |
| | | 948 | 190597 | 4 | F13S | 3614 | MT ALVAREZ AV | 1248H4 |
| | | 949 | 190892 | 4 | F13S | 3582 | MT ALVAREZ AV | 1248H4 |
| | | 950 | 190471 | 4 | F13S | 3625 | MT ALVAREZ AV | 1248H4 |
| | | 951 | 314534 | 4 | F13S | 3603 | MT ALVAREZ AV | 1248H4 |
| | | 952 | 190485 | 4 | F13S | 3626 | MT ALVAREZ AV | 1248H4 |
| | | 953 | 314440 | 4 | F13S | 3615 | MT ALVAREZ AV | 1248H4 |
| | | 954 | 190756 | 4 | F13S | 3602 | MT ALVAREZ AV | 1248H4 |
| | | 955 | 314657 | 4 | F13S | 3591 | MT ALVAREZ AV | 1248H4 |
| | 956 | 190916 | 4 | F13S | 3581 | MT ALVAREZ AV | 1248H4 | |
| | 21905 | 957 | 191136 | 4 | F13S | 3562 | MT ALVAREZ AV | 1248H4 |
| | | 958 | 191303 | 4 | F13S | 3551 | MT ALVAREZ AV | 1248H4 |
| | | 959 | 191415 | 4 | F13S | 3542 | MT ALVAREZ AV | 1248H4 |
| | | 960 | 190998 | 4 | F13S | 3572 | MT ALVAREZ AV | 1248H4 |
| | | 961 | 191150 | 4 | F13S | 3561 | MT ALVAREZ AV | 1248H4 |
| | | 962 | 191421 | 4 | F13S | 3541 | MT ALVAREZ AV | 1248H4 |
| | | 963 | 191024 | 4 | F13S | 3571 | MT ALVAREZ AV | 1248H4 |
| | | 964 | 191288 | 4 | F13S | 3552 | MT ALVAREZ AV | 1248H4 |
| | | 21968 | 965 | 191782 | 4 | F14S | 3511 | MT ACLARE AV |
| 966 | | | 191981 | 4 | F14S | 3502 | MT ACLARE AV | 1248H4 |
| 967 | 315384 | | 4 | F14S | 3510 | MT ACLARE AV | 1248H4 | |
| 968 | 315152 | | 4 | F13S | 3531 | MT ACLARE AV | 1248H4 | |
| 969 | 191353 | | 4 | F13S | 3541 | MT ACLARE AV | 1248H4 | |
| 970 | 315288 | | 4 | F14S | 3520 | MT ACLARE AV | 1248H4 | |
| 971 | 315472 | | 6 | F14S | 5662 | MT ACARA DR | 1248H4 | |
| 972 | 191382 | | 4 | F13S | 3540 | MT ACLARE AV | 1248H4 | |
| 973 | 191517 | | 4 | F13S | 3530 | MT ACLARE AV | 1248H4 | |
| 974 | 191636 | | 4 | F14S | 3521 | MT ACLARE AV | 1248H4 | |
| 21969 | 975 | 192279 | 6 | F14S | 3495 | MT ACLARE AV | 1248H5 | |
| | 976 | 192284 | 4 | F14S | 5691 | MT ACARA DR | 1248H5 | |
| 21970 | 977 | 191817 | 4 | F14S | 3513 | MT ACOMITA AV | 1248H4 | |
| | 978 | 191380 | 4 | F13S | 3543 | MT ACOMITA AV | 1248H4 | |
| | 979 | 191511 | 4 | F13S | 3533 | MT ACOMITA AV | 1248H4 | |
| | 980 | 191600 | 4 | F14S | 3523 | MT ACOMITA AV | 1248H4 | |
| | 981 | 191605 | 4 | F14S | 3522 | MT ACOMITA AV | 1248H4 | |
| | 982 | 191979 | 6 | F14S | 3501 | MT ACOMITA AV | 1248H4 | |
| | 983 | 315071 | 4 | F13S | 3542 | MT ACOMITA AV | 1248H4 | |
| | 984 | 191958 | 4 | F14S | 3502 | MT ACOMITA AV | 1248H4 | |
| | 985 | 315160 | 4 | F13S | 3532 | MT ACOMITA AV | 1248H4 | |
| | 986 | 191762 | 4 | F14S | 3512 | MT ACOMITA AV | 1248H4 | |
| 21971 | 987 | 192253 | 4 | F14S | 3491 | MT ALVAREZ AV | 1248H5 | |
| | 988 | 315691 | 4 | F14S | 3497 | MT ACOMITA AV | 1248H5 | |
| | 989 | 192290 | 4 | F14S | 5731 | MT ACARA DR | 1248H5 | |
| | | 990 | 191659 | 4 | F14S | 3522 | MT ALVAREZ AV | 1248H4 |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|-------------|-----------------|-------------|
| | 21972 | 991 | 315487 | 4 | F14S | 3502 | MT ALVAREZ AV | 1248H4 |
| | | 992 | 191844 | 6 | F14S | 3511 | MT ALVAREZ AV | 1248H4 |
| | | 993 | 192117 | 6 | F14S | 3497 | MT ALVAREZ AV | 1248H5 |
| | | 994 | 315199 | 4 | F13S | 3531 | MT ALVAREZ AV | 1248H4 |
| | | 995 | 315381 | 4 | F14S | 3512 | MT ALVAREZ AV | 1248H4 |
| | | 996 | 191992 | 6 | F14S | 3501 | MT ALVAREZ AV | 1248H4 |
| | | 997 | 315290 | 6 | F14S | 3521 | MT ALVAREZ AV | 1248H4 |
| | | 998 | 191538 | 4 | F13S | 3532 | MT ALVAREZ AV | 1248H4 |
| 42 | 21964 | 999 | 315273 | 4 | F14S | 5554 | MT ACARA DR | 1248H4 |
| | | 1000 | 191898 | 4 | F14S | 5555 | MT ACARA DR | 1248H4 |
| | | 1001 | 192013 | 4 | F14S | 5565 | MT ACARA DR | 1248H5 |
| | | 1002 | 375068 | 4 | F14S | 5541 | MT ACARA DR | 1248H4 |
| | | 1003 | 192155 | 4 | F14S | 5573 | MT ACARA DR | 1248H5 |
| | | 1004 | 191712 | 4 | F14S | 5549 | MT ACARA DR | 1248H4 |
| | | 1005 | 315187 | 4 | F13S | 5546 | MT ACARA DR | 1248H4 |
| | | 1006 | 315370 | 4 | F14S | 5560 | MT ACARA DR | 1248H4 |
| | 21965 | 1007 | 315683 | 4 | F14S | 5589 | MT ACARA DR | 1248H5 |
| | | 1008 | 192104 | 4 | F14S | 5566 | MT ACARA DR | 1248H4 |
| | | 1009 | 192267 | 4 | F14S | 5581 | MT ACARA DR | 1248H5 |
| | | 1010 | 315685 | 4 | F14S | 5597 | MT ACARA DR | 1248H5 |
| | 21966 | 1011 | 191502 | 4 | F13S | 3528 | ACCOMAC AV | 1248H4 |
| | | 1012 | 191652 | 4 | F14S | 3518 | ACCOMAC AV | 1248H4 |
| | | 1013 | 315151 | 4 | F13S | 3527 | ACCOMAC AV | 1248H4 |
| | | 1014 | 191810 | 4 | F14S | 3508 | ACCOMAC AV | 1248H4 |
| | | 1015 | 315255 | 4 | F14S | 3519 | ACCOMAC AV | 1248H4 |
| | | 1016 | 191988 | 4 | F14S | 3502 | ACCOMAC AV | 1248H5 |
| | | 1017 | 315367 | 4 | F14S | 3509 | ACCOMAC AV | 1248H4 |
| | 21967 | 1018 | 192276 | 4 | F14S | 3497 | ACCOMAC AV | 1248H5 |
| 1019 | | 315567 | 4 | F14S | 3501 | ACCOMAC AV | 1248H4 | |
| 1020 | | 315686 | 4 | F14S | 5631 | MT ACARA DR | 1248H5 | |
| | 21607 | 1021 | 185764 | 4 | F13S | 6322 | MT AINSWORTH CT | 1248H3 |
| | | 1022 | 185780 | 4 | F13S | 6336 | MT AINSWORTH CT | 1248H3 |
| | | 1023 | 185818 | 4 | F13S | 6307 | MT AINSWORTH CT | 1248H3 |
| | | 1024 | 185880 | 4 | F13S | 6321 | MT AINSWORTH CT | 1248H3 |
| | | 1025 | 185877 | 4 | F13S | 6349 | MT AINSWORTH CT | 1248H3 |
| | | 1026 | 185964 | 4 | F13S | 6335 | MT AINSWORTH CT | 1248H3 |
| | 21608 | 1027 | 185442 | 4 | F13S | 3927 | MT AINSWORTH AV | 1248H3 |
| | | 1028 | 310794 | 4 | F13S | 3919 | MT AINSWORTH AV | 1248H3 |
| | | 1029 | 185530 | 4 | F13S | 3912 | MT AINSWORTH AV | 1248H3 |
| | | 1030 | 185644 | 4 | F13S | 3909 | MT AINSWORTH AV | 1248H3 |
| | | 1031 | 185368 | 4 | F13S | 3928 | MT AINSWORTH AV | 1248H3 |
| | | 1032 | 185445 | 4 | F13S | 3920 | MT AINSWORTH AV | 1248H3 |
| | | 1033 | 310839 | 4 | F13S | 3906 | MT AINSWORTH AV | 1248H3 |
| | | 1034 | 185554 | 4 | F13S | 3872 | MT ABRAHAM AV | 1248H3 |
| | | 1035 | 311013 | 4 | F13S | 3816 | MT ABRAHAM AV | 1248H3 |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|-----------------|-----------------|-------------|
| 43 | 21610 | 1036 | 185495 | 4 | F13S | 3895 | MT ABRAHAM AV | 1248H3 |
| | | 1037 | 310923 | 4 | F13S | 3853 | MT ABRAHAM AV | 1248H3 |
| | | 1038 | 185717 | 4 | F13S | 3846 | MT ABRAHAM AV | 1248H3 |
| | | 1039 | 185763 | 4 | F13S | 3830 | MT ABRAHAM AV | 1248H3 |
| | | 1040 | 185647 | 4 | F13S | 3867 | MT ABRAHAM AV | 1248H3 |
| | | 1041 | 310749 | 4 | F13S | 3884 | MT ABRAHAM AV | 1248H3 |
| | | 1042 | 185824 | 4 | F13S | 3839 | MT ABRAHAM AV | 1248H3 |
| | | 1043 | 310856 | 4 | F13S | 3860 | MT ABRAHAM AV | 1248H3 |
| | | 1044 | 185396 | 4 | F13S | 3902 | MT ABRAHAM AV | 1248H3 |
| | | 1045 | 185565 | 4 | F13S | 3881 | MT ABRAHAM AV | 1248H3 |
| | 1046 | 311048 | 4 | F13S | 3825 | MT ABRAHAM AV | 1248H3 | |
| | 21611 | 1047 | 185194 | 4 | F13S | 3923 | MT ABRAHAM AV | 1248H3 |
| | | 1048 | 185371 | 4 | F13S | 3907 | MT ABRAHAM AV | 1248H3 |
| | | 1049 | 185294 | 4 | F13S | 3915 | MT ABRAHAM AV | 1248H3 |
| | | 1050 | 310619 | 4 | F13S | 3910 | MT ABRAHAM AV | 1248H3 |
| | | 1051 | 185124 | 4 | F13S | 3926 | MT ABRAHAM AV | 1248H3 |
| | | 1052 | 185204 | 4 | F13S | 3918 | MT ABRAHAM AV | 1248H3 |
| | 21628 | 1053 | 184827 | 4 | F13S | 6331 | MT ACRE WY | 1248H3 |
| | | 1054 | 184707 | 4 | F13S | 6360 | MT ACRE WY | 1248H3 |
| | | 1055 | 184835 | 4 | F13S | 6345 | MT ACRE WY | 1248H3 |
| | | 1056 | 184702 | 4 | F13S | 6318 | MT ACRE WY | 1248H3 |
| | | 1057 | 184705 | 4 | F13S | 6332 | MT ACRE WY | 1248H3 |
| | | 1058 | 184711 | 4 | F13S | 6373 | MT ACRE WY | 1248H3 |
| | | 1059 | 184826 | 4 | F13S | 6317 | MT ACRE WY | 1248H3 |
| | | 1060 | 184701 | 4 | F13S | 6304 | MT ACRE WY | 1248H3 |
| | | 1061 | 310335 | 4 | F13S | 6303 | MT ACRE WY | 1248H3 |
| | | 1062 | 310346 | 4 | F13S | 6359 | MT ACRE WY | 1248H3 |
| | 21629 | 1063 | 184706 | 4 | F13S | 6346 | MT ACRE WY | 1248H3 |
| | | 1064 | 310382 | 4 | F13S | 3956 | MT AINSWORTH AV | 1248H3 |
| | | 1065 | 310321 | 4 | F13S | 3964 | MT AINSWORTH AV | 1248H3 |
| | | 1066 | 184978 | 4 | F13S | 3950 | MT AINSWORTH AV | 1248H3 |
| | 21630 | 1067 | 185343 | 4 | F13S | 6337 | MT AINSWORTH WY | 1248H3 |
| | | 1068 | 185123 | 4 | F13S | 6322 | MT AINSWORTH WY | 1248H3 |
| 1069 | | 185300 | 4 | F13S | 6353 | MT AINSWORTH WY | 1248H3 | |
| 1070 | | 185177 | 4 | F13S | 6354 | MT AINSWORTH WY | 1248H3 | |
| 1071 | | 185068 | 4 | F13S | 6306 | MT AINSWORTH WY | 1248H3 | |
| 1072 | | 185273 | 4 | F13S | 6321 | MT AINSWORTH WY | 1248H3 | |
| 1073 | | 185156 | 4 | F13S | 6338 | MT AINSWORTH WY | 1248H3 | |
| 1074 | | 310589 | 4 | F13S | 6305 | MT AINSWORTH WY | 1248H3 | |
| 21631 | 1075 | 185327 | 4 | F13S | 3933 | MT AINSWORTH AV | 1248H3 | |
| | 1076 | 185233 | 4 | F13S | 3934 | MT AINSWORTH AV | 1248H3 | |
| | 1077 | 185157 | 4 | F13S | 3942 | MT AINSWORTH AV | 1248H3 | |
| | | 1078 | 311599 | 4 | F13S | 3725 | MT ABRAHAM AV | 1248H3 |
| | | 1079 | 311637 | 4 | F13S | 3718 | MT ABRAHAM AV | 1248H3 |
| | | 1080 | 311523 | 4 | F13S | 3735 | MT ABRAHAM AV | 1248H3 |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|-----------------|-----------------|-------------|
| 44 | 21601 | 1081 | 311434 | 4 | F13S | 3754 | MT ABRAHAM AV | 1248H3 |
| | | 1082 | 186637 | 4 | F13S | 3730 | MT ABRAHAM AV | 1248H3 |
| | | 1083 | 311352 | 4 | F13S | 3766 | MT ABRAHAM AV | 1248H3 |
| | | 1084 | 311507 | 4 | F13S | 3742 | MT ABRAHAM AV | 1248H3 |
| | | 1085 | 186445 | 4 | F13S | 3747 | MT ABRAHAM AV | 1248H3 |
| | | 1086 | 311366 | 4 | F13S | 3761 | MT ABRAHAM AV | 1248H3 |
| | 21602 | 1087 | 311170 | 4 | F13S | 3790 | MT ABRAHAM AV | 1248H3 |
| | | 1088 | 311278 | 4 | F13S | 3778 | MT ABRAHAM AV | 1248H3 |
| | | 1089 | 311201 | 4 | F13S | 3795 | MT ABRAHAM AV | 1248H3 |
| | | 1090 | 185939 | 4 | F13S | 3802 | MT ABRAHAM AV | 1248H3 |
| | | 1091 | 311105 | 4 | F13S | 3807 | MT ABRAHAM AV | 1248H3 |
| | | 1092 | 186175 | 4 | F13S | 3777 | MT ABRAHAM AV | 1248H3 |
| | 21603 | 1093 | 186183 | 4 | F13S | 3832 | MT AINSWORTH AV | 1248H3 |
| | | 1094 | 186187 | 4 | F13S | 3835 | MT AINSWORTH AV | 1248H3 |
| | | 1095 | 186056 | 4 | F13S | 3840 | MT AINSWORTH AV | 1248H3 |
| | 21604 | 1096 | 311479 | 4 | F13S | 3808 | MT AINSWORTH AV | 1248H3 |
| | | 1097 | 186659 | 4 | F13S | 3798 | MT AINSWORTH AV | 1248H3 |
| | | 1098 | 186278 | 4 | F13S | 3827 | MT AINSWORTH AV | 1248H3 |
| | | 1099 | 311425 | 4 | F13S | 3816 | MT AINSWORTH AV | 1248H3 |
| | | 1100 | 186544 | 4 | F13S | 3805 | MT AINSWORTH AV | 1248H3 |
| | | 1101 | 186720 | 4 | F13S | 3785 | MT AINSWORTH AV | 1248H3 |
| | | 1102 | 186837 | 4 | F13S | 3773 | MT AINSWORTH AV | 1248H3 |
| | | 1103 | 186291 | 4 | F13S | 3824 | MT AINSWORTH AV | 1248H3 |
| | | 1104 | 186645 | 4 | F13S | 3797 | MT AINSWORTH AV | 1248H3 |
| | | 1105 | 311418 | 4 | F13S | 3813 | MT AINSWORTH AV | 1248H3 |
| | | 1106 | 311639 | 4 | F13S | 3786 | MT AINSWORTH AV | 1248H3 |
| | 21609 | 1107 | 185831 | 4 | F13S | 3864 | MT AINSWORTH AV | 1248H3 |
| | | 1108 | 310898 | 4 | F13S | 3880 | MT AINSWORTH AV | 1248H3 |
| 1109 | | 311215 | 4 | F13S | 3847 | MT AINSWORTH AV | 1248H3 | |
| 1110 | | 186013 | 4 | F13S | 3855 | MT AINSWORTH AV | 1248H3 | |
| 1111 | | 310957 | 4 | F13S | 3872 | MT AINSWORTH AV | 1248H3 | |
| 1112 | | 186007 | 4 | F13S | 3848 | MT AINSWORTH AV | 1248H3 | |
| 1113 | | 311079 | 4 | F13S | 3863 | MT AINSWORTH AV | 1248H3 | |
| 1114 | | 185940 | 4 | F13S | 3856 | MT AINSWORTH AV | 1248H3 | |
| 21597 | 1115 | 187472 | 4 | F13S | 3620 | MT ABRAHAM AV | 1248H4 | |
| | 1116 | 312010 | 4 | F13S | 3669 | MT ABRAHAM AV | 1248H4 | |
| | 1117 | 187310 | 4 | F13S | 3641 | MT ABRAHAM AV | 1248H4 | |
| | 1118 | 187642 | 4 | F13S | 3605 | MT ABRAHAM AV | 1248H4 | |
| | 1119 | 187575 | 4 | F13S | 3617 | MT ABRAHAM AV | 1248H4 | |
| | 1120 | 187212 | 4 | F13S | 3662 | MT ABRAHAM AV | 1248H4 | |
| | 1121 | 187617 | 4 | F13S | 3606 | MT ABRAHAM AV | 1248H4 | |
| | 1122 | 187302 | 4 | F13S | 3648 | MT ABRAHAM AV | 1248H4 | |
| | 1123 | 187385 | 4 | F13S | 3634 | MT ABRAHAM AV | 1248H4 | |
| | 1124 | 187417 | 4 | F13S | 3629 | MT ABRAHAM AV | 1248H4 | |
| | 1125 | 186993 | 4 | F13S | 3690 | MT ABRAHAM AV | 1248H3 | |
| 45 | 21598 | | | | | | | |

PIPELINE REHABILITATION AM-1

Sewer Laterals
WBS No. B16002

| MAP # | FSN of SWR Main | LATERAL # | LATERAL FSN | LATERAL SIZE (inch) | FIELD BOOK PAGE | STREET # | STREET NAME | THOMAS BRO. |
|-------|-----------------|-----------|-------------|---------------------|-----------------|----------|-----------------|-------------|
| 45 | 21598 | 1126 | 311925 | 4 | F13S | 3676 | MT ABRAHAM AV | 1248H4 |
| | 21599 | 1127 | 187213 | 4 | F13S | 3725 | MT AINSWORTH AV | 1248H4 |
| | | 1128 | 311875 | 4 | F13S | 3712 | MT AINSWORTH AV | 1248H3 |
| | | 1129 | 187146 | 4 | F13S | 3701 | MT AINSWORTH AV | 1248H4 |
| | | 1130 | 312002 | 4 | F13S | 3715 | MT AINSWORTH AV | 1248H4 |
| | | 1131 | 311735 | 4 | F13S | 3706 | MT ABRAHAM AV | 1248H3 |
| | 21600 | 1132 | 311656 | 4 | F13S | 3715 | MT ABRAHAM AV | 1248H3 |
| | | 1133 | 311817 | 4 | F13S | 3774 | MT AINSWORTH AV | 1248H3 |
| | 21605 | 1134 | 186985 | 4 | F13S | 3761 | MT AINSWORTH AV | 1248H3 |
| | | 1135 | 187093 | 4 | F13S | 3749 | MT AINSWORTH AV | 1248H4 |
| | | 1136 | 311972 | 4 | F13S | 3737 | MT AINSWORTH AV | 1248H4 |
| | | | | | | | | |

APPENDIX K
MANHOLE AND CLEANOUT SUMMARY TABLE

| MAP SHT NO. | THOMAS BROTHERS | STREET NAME | MH ID | MANHOLE IE | MANHOLE DEPTH | MANHOLE METHOD | COUNCIL DISTRICT | COMMUNITY | GATE PAGE | FSN | RIM ELEV |
|-------------------------------|-----------------|------------------|----------|------------|---------------|--|------------------|----------------|-----------|-------|----------|
| INSTALL CLEANOUT | | | | | | | | | | | |
| 2 | 1228E6 | LODI ST | CLEANOUT | 343.62 | 9 | ADD CLEANOUT | 6 | CLAIRMONT MESA | E10S | 84523 | - |
| 3 | 1228D7 | GAYLORD DR | CLEANOUT | 136.75 | 6 | ADD CLEANOUT | 6 | CLAIRMONT MESA | D10S | 81142 | - |
| 3 | 1228D7 | AVONDALE ST | CLEANOUT | 346.51 | 4 | ADD CLEANOUT | 6 | CLAIRMONT MESA | D10S | 81148 | - |
| 4 | 1228D7 | ARLINGTON ST | CLEANOUT | 346.48 | 4 | ADD CLEANOUT | 6 | CLAIRMONT MESA | D10S | 81133 | - |
| 5 | 1228D7 | EASEMENT | CLEANOUT | 344.05 | 6 | ADD CLEANOUT | 6 | CLAIRMONT MESA | D11S | 81400 | - |
| 5 | 1228D7 | GAYLORD DR | CLEANOUT | 343.85 | 4 | ADD CLEANOUT | 6 | CLAIRMONT MESA | D11S | 81402 | - |
| 5 | 1228D7 | GAYLORD DR | CLEANOUT | 344.02 | 5 | ADD CLEANOUT | 6 | CLAIRMONT MESA | D11S | 81404 | - |
| 6 | 1228D7 | BASCOMB PL | CLEANOUT | 343.22 | 5 | ADD CLEANOUT | 6 | CLAIRMONT MESA | D11S | 81407 | - |
| 7 | 1228D7 | MORLAN ST | CLEANOUT | 343.87 | 5 | ADD CLEANOUT | 6 | CLAIRMONT MESA | D11S | 81393 | - |
| 8 | 1228D7 | MERRIMAC AVE | CLEANOUT | 341.8 | 8 | ADD CLEANOUT | 6 | CLAIRMONT MESA | D11S | 81390 | - |
| 10 | 1248D1 | CONRAD AVE | CLEANOUT | 345.02 | 5 | ADD CLEANOUT | 6 | CLAIRMONT MESA | D11S | 81378 | - |
| 14 | 1228E7 | BILTMORE ST | CLEANOUT | 341.66 | 4 | ADD CLEANOUT | 6 | CLAIRMONT MESA | D11S | 81414 | - |
| 14 | 1228E7 | BILTMORE ST | CLEANOUT | 344 | 6 | ADD CLEANOUT | 6 | CLAIRMONT MESA | D11S | 81419 | - |
| 19 | 1248F2 | MT HUKKEE AVE | CLEANOUT | 326.51 | 6 | ADD CLEANOUT | 6 | CLAIRMONT MESA | E12S | 85330 | - |
| 20 | 1248F3 | MT FORDE AVE | CLEANOUT | 322.11 | 6 | ADD CLEANOUT | 6 | CLAIRMONT MESA | E12S | 85466 | - |
| 23 | 1248F3 | MT PUTMAN CT | CLEANOUT | 318.18 | 8 | ADD CLEANOUT | 6 | CLAIRMONT MESA | E13S | 85570 | - |
| 25 | 1248F3 | MT ARMET DR | CLEANOUT | 315.12 | 6 | ADD CLEANOUT | 6 | CLAIRMONT MESA | E13S | 85562 | - |
| 26 | 1248G3 | MT BLACKBURN AVE | CLEANOUT | 321.42 | 7 | ADD CLEANOUT | 6 | CLAIRMONT MESA | E13S | 85620 | - |
| 26 | 1248G3 | MT BLANCA DR | CLEANOUT | 315.95 | 5 | ADD CLEANOUT | 6 | CLAIRMONT MESA | E13S | 85771 | - |
| 26 | 1248G3 | MT BRUNDAGE AVE | CLEANOUT | 316.25 | 7 | ADD CLEANOUT | 6 | CLAIRMONT MESA | E13S | 85605 | - |
| 29 | 1248G4 | MT ARARAT DR | CLEANOUT | 313.6 | 10 | ADD CLEANOUT | 6 | CLAIRMONT MESA | E13S | 85705 | - |
| 30 | 1248F4 | MT ARARAT DR | CLEANOUT | 314.9 | 6 | ADD CLEANOUT | 6 | CLAIRMONT MESA | E13S | 85652 | - |
| 31 | 1248G4 | MT ALMAGOSA DR | CLEANOUT | 306.76 | 12 | ADD CLEANOUT | 6 | CLAIRMONT MESA | E13S | 85772 | - |
| 33 | 1248G3 | EASEMENT | CLEANOUT | 343.12 | 5 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89104 | - |
| 34 | 1248H4 | MT ABBEY AVE | CLEANOUT | 340.37 | 8 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89452 | - |
| 34 | 1248H4 | EASEMENT | CLEANOUT | 341.12 | 5 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89377 | - |
| 36 | 1248H4 | ACCOMAC AVE | CLEANOUT | 324.25 | 8 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89409 | - |
| 36 | 1248H4 | ACCOMAC AVE | CLEANOUT | 323.85 | 7 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89408 | - |
| 38 | 1248G5 | MT ABBEY AVE | CLEANOUT | 315.04 | 16 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F14S | 89492 | - |
| 39 | 1248H4 | MT ALVAREZ AVE | CLEANOUT | 361.05 | 13 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89421 | - |
| 39 | 1248H4 | MT ACOMITA AVE | CLEANOUT | 358.29 | 7 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89419 | - |
| 40 | 1248H4 | MT ALVAREZ AVE | CLEANOUT | 366.51 | 7 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89422 | - |
| 43 | 1248H3 | MT AINSWORTH AVE | CLEANOUT | 355.83 | 6 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89154 | - |
| 43 | 1248H3 | MT AINSWORTH WAY | CLEANOUT | 356.27 | 8 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89152 | - |
| 43 | 1248H3 | MT AINSWORTH AVE | CLEANOUT | 354.27 | 7 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89155 | - |
| 43 | 1248H3 | MT ABRAHAM AVE | CLEANOUT | 353.25 | 6 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89128 | - |
| 43 | 1248H3 | MT AINSWORTH CT | CLEANOUT | 353.93 | 7 | ADD CLEANOUT | 6 | CLAIRMONT MESA | F13S | 89156 | - |
| POINT REPAIR MANHOLES | | | | | | | | | | | |
| 4 | 1228D7 | GAYLORD DR | 368 | 344.82 | 7 | REHAB | 6 | CLAIRMONT MESA | D11S | 81579 | 351.82 |
| 5 | 1228D7 | ARGONNE ST | 149 | 342.13 | 6 | REHAB | 6 | CLAIRMONT MESA | D11S | 81398 | 348.13 |
| 11 | 1248E1 | MERRIMAC AVE | 24 | 335.24 | 11 | REHAB | 6 | CLAIRMONT MESA | E11S | 84817 | 346.24 |
| 21 | 1248F3 | MT HUKKEE AVE | 325 | 315.1 | 9 | REHAB | 6 | CLAIRMONT MESA | E12S | 85469 | 324.1 |
| REHABILITATION MANHOLE | | | | | | | | | | | |
| 12 | 1248E1 | CONRAD AVE | 23 | 336.4 | 11 | REPLACE MH | 6 | CLAIRMONT MESA | E11S | 84816 | 347.4 |
| 21 | 1248F3 | MT HUKKEE AVE | 189 | 315.8 | 9 | REPLACE MH | 6 | CLAIRMONT MESA | E12S | 85342 | 324.8 |
| 23 | 1248F3 | MT PUTMAN AVE | 56 | 315.86 | 6 | REPLACE MH | 6 | CLAIRMONT MESA | E13S | 85553 | 321.86 |
| 25 | 1248F3 | MT ARMET DR | 64 | 314.84 | 6 | REPLACE MH | 6 | CLAIRMONT MESA | E13S | 85561 | 320.84 |
| 30 | 1248G4 | MT ARARAT DR | 232 | 307.1 | 15 | REPLACE MH | 6 | CLAIRMONT MESA | E13S | 85713 | 322.1 |
| 44 | 1248H3 | MT ABRAHAM AVE | 82 | 350.24 | 7 | REPLACE MH | 6 | CLAIRMONT MESA | F13S | 89123 | 357.24 |
| 44 | 1248H3 | MT ABRAHAM AVE | 79 | 349.13 | 7 | REPLACE MH | 6 | CLAIRMONT MESA | F13S | 89120 | 356.13 |
| REHABILITATION MANHOLE | | | | | | | | | | | |
| 1 | 1228D6 | LODI ST | 163 | 324.31 | 12 | REHAB | 6 | CLAIRMONT MESA | D10S | 81158 | 487.31 |
| 5 | 1228D7 | ARMITAGE ST | 157 | 343.36 | 6 | REHAB | 7 | CLAIRMONT MESA | D11S | 81405 | 500.36 |
| 6 | 1228D7 | GLASGOW DR | 154 | 343.5 | 4 | REHAB | 8 | CLAIRMONT MESA | D10S | 81149 | 497.5 |
| 8 | 1228D7 | MERRIMAC AVE | 138 | 339 | 5 | REHAB | 9 | CLAIRMONT MESA | D11S | 81387 | 477 |
| 9 | 1228E7 | MERRIMAC AVE | 136 | 337.32 | 9 | REHAB | 10 | CLAIRMONT MESA | D11S | 81385 | 473.32 |
| 10 | 1248D1 | CONRAD AVE | 131 | 340.46 | 7 | REHAB | 11 | CLAIRMONT MESA | D11S | 81381 | 471.46 |
| 11 | 1228E7 | MERRIMAC AVE | 135 | 336.31 | 12 | REHAB | 12 | CLAIRMONT MESA | D11S | 81384 | 471.31 |
| 12 | 1248E1 | CONRAD AVE | 22 | 347.62 | 6 | REHAB | 13 | CLAIRMONT MESA | E11S | 84815 | 369.62 |
| 14 | 1228E7 | CAPEHART ST | 164 | 339.28 | 4 | REHAB | 14 | CLAIRMONT MESA | D11S | 81411 | 503.28 |
| 18 | 1248F3 | MT PUTMAN AVE | 180 | 324.29 | 6 | REHAB | 15 | CLAIRMONT MESA | E12S | 85333 | 504.29 |
| 19 | 1248F2 | MT HUKKEE AVE | 328 | 325.84 | 6 | REHAB | 16 | CLAIRMONT MESA | E12S | 85472 | 653.84 |
| 20 | 1248F3 | MT FORDE AVE | 323 | 321.45 | 6 | REHAB | 17 | CLAIRMONT MESA | E12S | 85467 | 644.45 |
| 21 | 1248F3 | MT HUKKEE AVE | 59 | 313.35 | 7 | REHAB | 18 | CLAIRMONT MESA | E13S | 85556 | 372.35 |
| 22 | 1248F3 | MT PUTMAN AVE | 190 | 319.4 | 9 | REHAB | 19 | CLAIRMONT MESA | E12S | 85343 | 509.4 |
| 23 | 1248F3 | MT PUTMAN AVE | 58 | 317.52 | 7 | REHAB | 20 | CLAIRMONT MESA | E13S | 85555 | 375.52 |
| 24 | 1248F3 | MT ARMET DR | 55 | 310.77 | 9 | REHAB | 21 | CLAIRMONT MESA | E13S | 85552 | 365.77 |
| 26 | 1248G3 | MT BRUNDAGE AVE | 117 | 314.33 | 6 | REHAB | 22 | CLAIRMONT MESA | E13S | 85607 | 431.33 |
| 27 | 1248G4 | MT BLACKBURN AVE | 122 | 316.89 | 6 | REHAB | 23 | CLAIRMONT MESA | E13S | 85612 | 438.89 |
| 27 | 1248G4 | MT BLACKBURN AVE | 123 | 318.42 | 6 | REHAB | 24 | CLAIRMONT MESA | E13S | 85613 | 441.42 |
| 29 | 1248G4 | MT ARARAT DR | 233 | 307.51 | 15 | REHAB | 25 | CLAIRMONT MESA | E13S | 85714 | 540.51 |
| 29 | 1248G4 | MT BRUNDAGE AVE | 235 | 310.27 | 13 | REHAB | 26 | CLAIRMONT MESA | E13S | 85716 | 545.27 |
| 31 | 1248G4 | MT ALMAGOSA DR | 323 | 306.07 | 12 | REHAB | 27 | CLAIRMONT MESA | E13S | 85773 | 629.07 |
| 32 | 1248F4 | MT ALMAGOSA DR | 163 | 291.54 | 7 | REHAB | 28 | CLAIRMONT MESA | E13S | 85648 | 454.54 |
| 44 | 1248H3 | MT AINSWORTH AVE | 81 | 351.36 | 6 | REHAB | 29 | CLAIRMONT MESA | F13S | 89122 | 432.36 |
| 45 | 1248H4 | EASEMENT | 72 | 344.61 | 8 | REHAB | 30 | CLAIRMONT MESA | F13S | 89113 | 416.61 |
| 45 | 1248H3 | MT ABRAHAM AVE | 76 | 347.03 | 7 | REHAB | 31 | CLAIRMONT MESA | F13S | 89117 | 423.03 |
| 45 | 1248H3 | MT ABRAHAM AVE | 78 | 347.57 | 7 | REHAB | 32 | CLAIRMONT MESA | F13S | 89119 | 425.57 |
| | | | | | | REPLACE MANHOLE (Total=7) | | | | | |
| | | | | | | REHABILITATION MANHOLE (Total=27) | | | | | |
| | | | | | | POINT REPAIR MANHOLE (Total= 4) | | | | | |
| | | | | | | INSTALL CLEANOUT (Total= 37) | | | | | |

APPENDIX L
CURB RAMP DETAILS

CURB RAMP IDENTIFICATION INDEX

| RAMP ID LOCATION | RAMP TYPE | NEW | REPLACEMENT | HISTORIC STAMPS | DETECTABLE WARNING | | CONSTRAINTS | COMMENTS / RESTRAINTS |
|---------------------|-----------|-----|-------------|--------------------|-----------------------|---------|-------------|--|
| | | | | | STAINLESS STEEL | * OTHER | | |
| | | | | | | | | |
| 1 | CASE A | X | | | | X | | Paint 5' long Red curbs on each side of ramp. Relocate stop sign. Realign crosswalk. Realign limit line. |
| 2 | A | X | | | | X | | Protect in place brick wall. Realign crosswalk. |
| 3 | A | X | | | | X | | Realign crosswalk. |
| 4 | A | X | | | | X | | Relocate stop sign. Realign limit line. |
| 5 | CASE A | X | | | | X | | Paint 5' long Red curbs on each side of ramp. |
| 6 | CASE A | X | | | | X | | Paint 5' long Red curbs on each side of ramp. Realign crosswalk. Protect in place existing stop sign, and existing utility pole. |
| 7 | A | X | | | | X | | Paint 5' long Red curbs on each side of ramp. Remove existing metal pole. Adjust existing water meter box to grade. |
| 8 | C2 | | X | | | X | | Remove existing ramp. New curb ramp to be installed at the middle of curb return. |
| 9 | C2 | | X | | | X | | Remove existing ramp. Existing stop sign. |
| 9A | CASE A | X | | | | X | | Contact SDGE to place a horizontal bar with a yellow safety guard on guy wire to ensure a 7' height clearance. |
| 10 | A | | X | | | X | | Remove existing ramp. New curb ramp to be installed at the middle of curb return. Protect existing retaining wall in place. |
| 11 | CASE A | X | | | | X | | Paint 5' long Red curbs on each side of ramp. Allow 4' or more separation from existing driveway. Existing palm tree. |
| 12 | CASE A | X | | | | X | | Paint 5' long Red curbs on each side of ramp. Realign stop sign. Realign limit line. Existing small tree and shrubs. |
| 13 | MOD B | X | | | | X | | Modified TYPE B curb ramp, see DETAIL "A" on sheet 5. Realign crosswalk. |
| 14 | B | X | | | | X | | Relocate stop sign. Realign limit line. Paint 5' long Red curbs on each side of ramp. |
| 15 | A | X | | | | X | | Realign crosswalk. Existing stop sign. Existing street sign. |
| 16 | C2 | X | | | | X | | Realign crosswalk. Existing street sign, existing utility pole, and existing concrete parkway. |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

* DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIAL'S LIST.

GENERAL NOTES:

- 7 DAYS PRIOR TO THE START OF THE WORK THE CONTRACTOR IS TO SUBMIT TO THE ENGINEER A LIST OF SURVEY MONUMENTS WHICH WILL BE DISTURBED DURING CONSTRUCTION.
- MONUMENT PRESERVATION WILL BE PERFORMED BY THE CITY OF SAN DIEGO PUBLIC WORKS DEPARTMENT FIELD ENGINEERING DIVISION (PW-FED) SURVEY SECTION, UNLESS PERMISSION IS GRANTED IN WRITING BY (PW-FED) FOR THESE SERVICES TO BE PERFORMED BY OTHERS LICENSED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA.
- CONTRACTOR TO REPAIR OR REPLACE DAMAGED OR MISSING SIDEWALK PANELS ADJACENT TO THE CURB RAMP AREA, AND TO MATCH THE NEW CONCRETE TO THE COLOR, FINISH, AND PATTERN, OF THE EXISTING ADJACENT SIDEWALK.
- CONTRACTOR TO NOTIFY THE CITY OF SAN DIEGO STREET DIVISION TO REPAIR OR REPLACE ANY DAMAGED OR LIFTED SIDEWALK PANELS ALONG THE SIDEWALK IN ROUTE LEADING TO THE CURB RAMPS.
- FOR CURB RAMPS A, B, AND D, THE RAMP SLOPES PLUS THE STREET COUNTER SLOPES WHEN ADDED TOGETHER CANNOT EXCEED 13%.
- FOR CURB RAMPS C1, AND C2, THE RAMP SLOPE, AND THE STREET COUNTER SLOPE MAY BE ADJUSTED TO MAINTAIN THE MAXIMUM ALLOWABLE SLOPE OF 5% AT THE STREET TRANSITION.
- AS OF JULY 1, 2015 THE 12" GROVED BORDERS SHOWN ON THE CURB RAMP STANDARD DRAWINGS ARE NO LONGER REQUIRED. THEREFORE OMIT THE GROVED BOARDERS ON ALL NEW CURB RAMPS FOR THIS CONTRACT.

STANDARD DRAWING INDEX:

| | | |
|-------------------------------------|--|---------------------------------------|
| NOTES AND SUPPLEMENTAL . . .SDG-132 | CURB RAMP – TYPE C1 & C2 SDG-135 | CURB RAMP BARRICADESDG-140 |
| CURB RAMP – TYPE A & B . . .SDG-133 | CURB RAMP – GENERAL CURB RAMPS SDG-138 | SIDEWALK TYPICAL SECTION . . .SDG-155 |
| DUAL CURB RAMPSSDG-134 | CURB AND GUTTER – COMBINED SDG-151 | CONTINENTAL CROSSWALKSDM-116 |



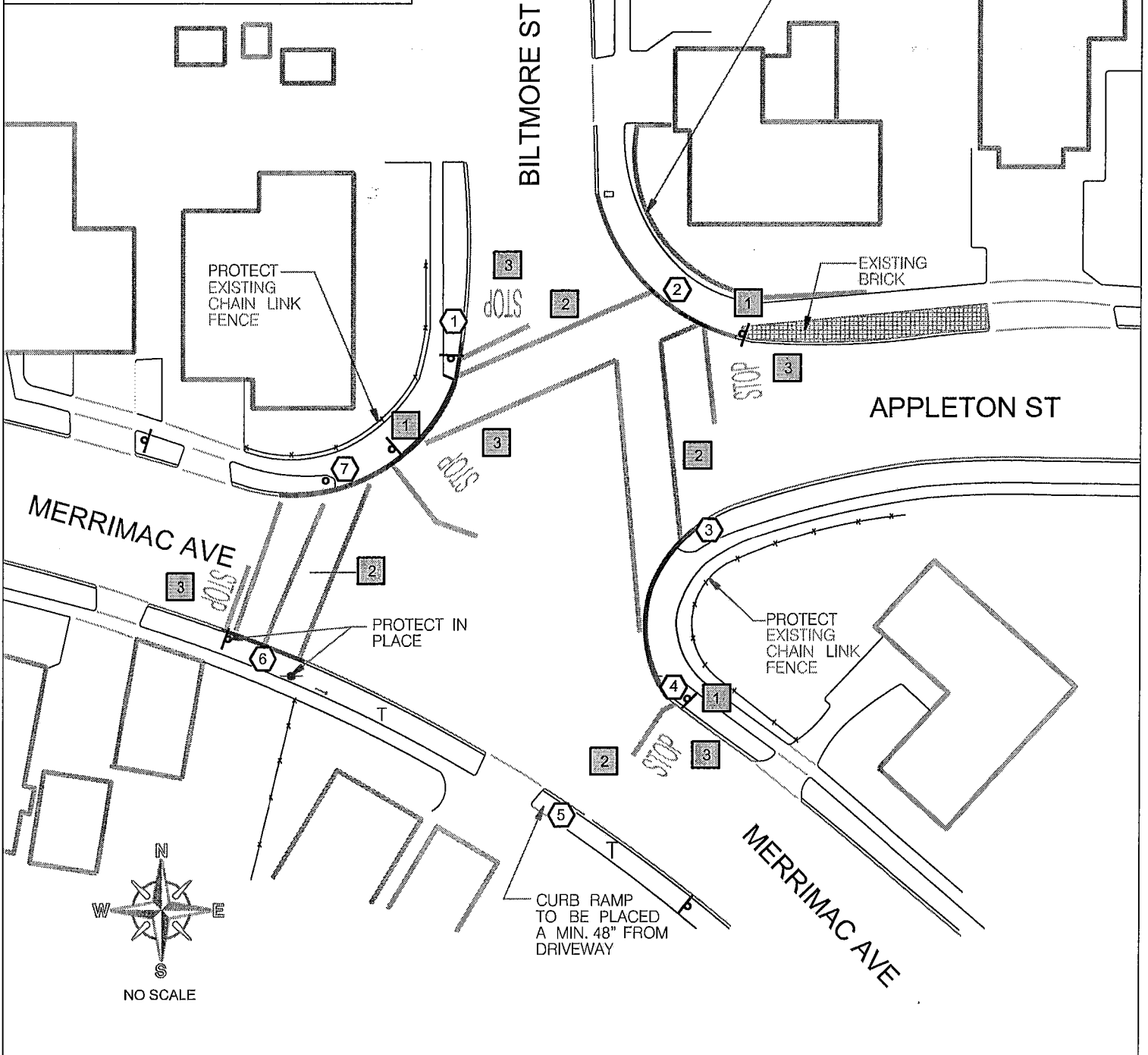
**PIPELINE REHABILITATION AM-1
CURB RAMP LOCATION MAPS
IDENTIFICATION INDEX**

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 1 OF 5 SHEETS

B-16002

CONSTRUCTION NOTES:

- 1** RELOCATE TRAFFIC SIGN. SIGNS SHALL BE PLACED A MINIMUM OF 36" FROM A FIRE HYDRANT.
- 2** INSTALL YELLOW CONTINENTAL CROSSWALK PER CITY OF SAN DIEGO STANDARD DRAWING SDM-116
- 3** INSTALL INTERSECTION MARKINGS PER CAMUTCD 2012 STANDARD.



LEGEND:

- 10** CURB RAMP NO
- +** EX UTILITY POLE
- EX FIRE HYDRANT
- *** EX STREET LIGHT
- T** EX TREE
- P** EX STREET SIGN
- EX CURB RAMP TO REMAIN



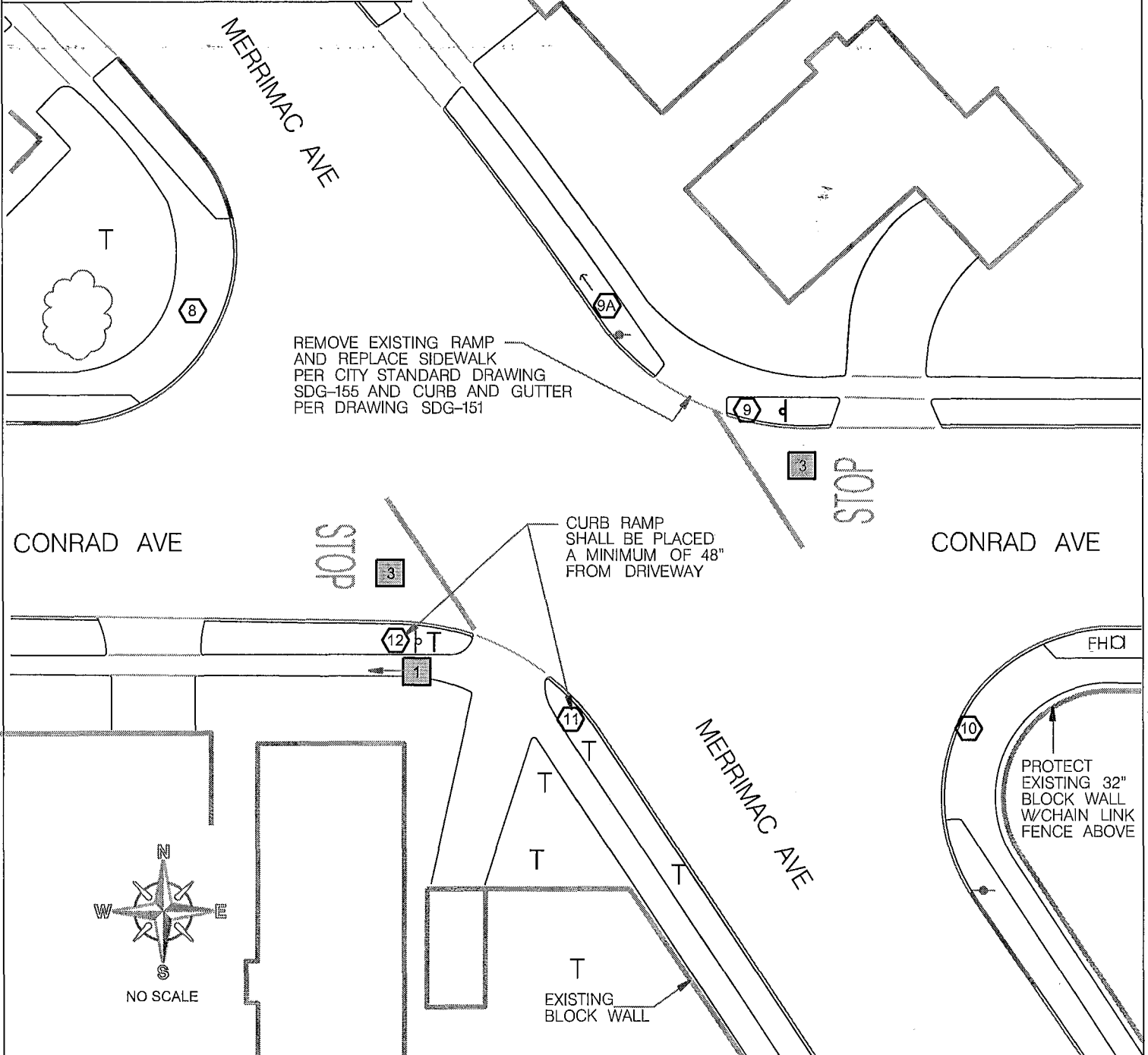
PIPELINE REHABILITATION AM-1
 CURB RAMP LOCATION MAP
 INTERSECTION OF MERRIMAC AVE
 BILTMORE ST, AND APPLETON ST

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 2 OF 5 SHEETS

B-16002

CONSTRUCTION NOTES:

- 1** RELOCATE TRAFFIC SIGN. SIGNS SHALL BE PLACED A MINIMUM OF 36" FROM A FIRE HYDRANT.
- 2** INSTALL YELLOW CONTINENTAL CROSSWALK PER CITY OF SAN DIEGO STANDARD DRAWING SDM-116
- 3** INSTALL INTERSECTION MARKINGS PER CAMUTCD 2012 STANDARD.



LEGEND:

- CURB RAMP NO
- EX UTILITY POLE
- EX FIRE HYDRANT
- EX STREET LIGHT
- EX TREE
- EX STREET SIGN
- EX CURB RAMP TO REMAIN



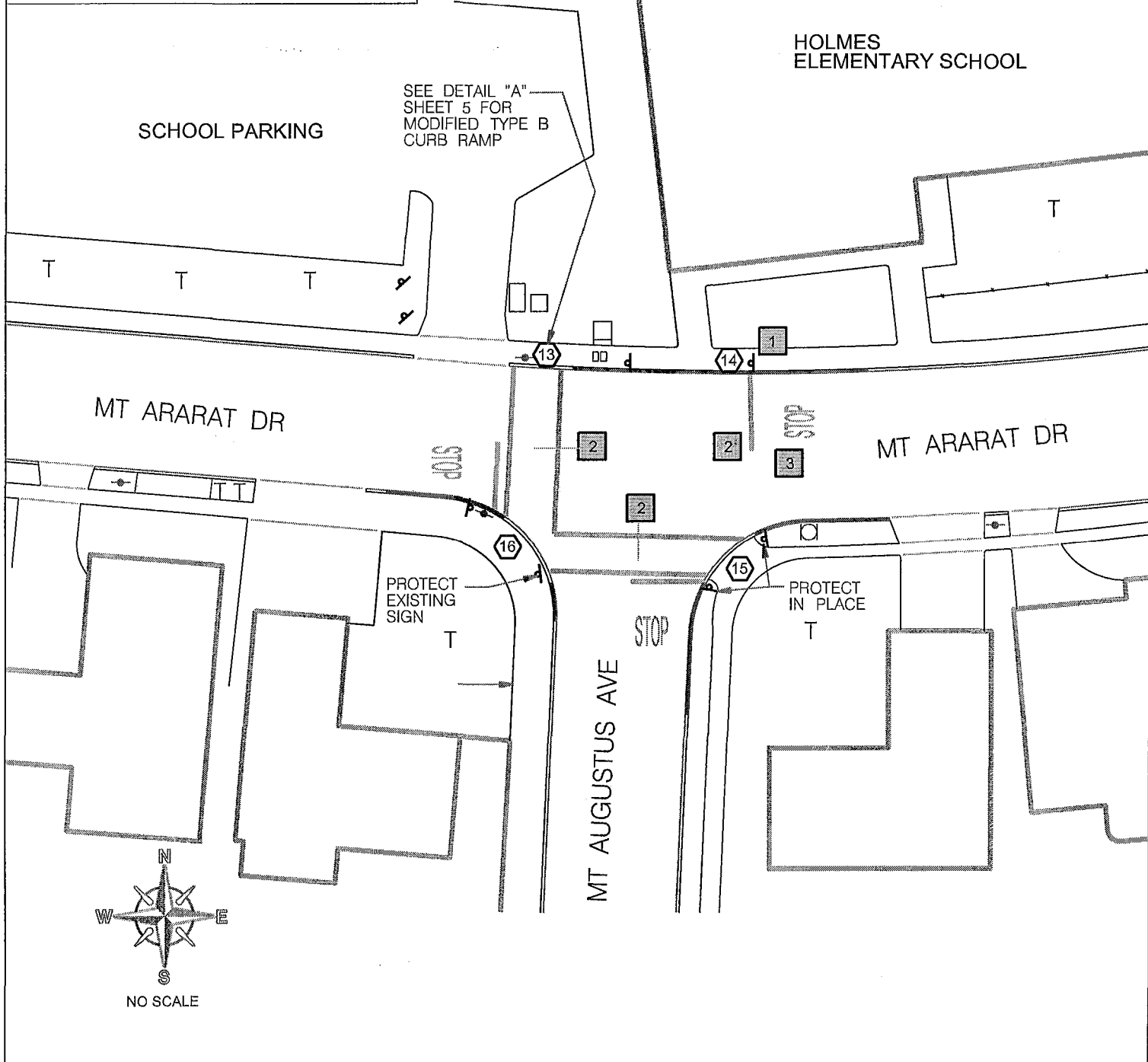
PIPELINE REHABILITATION AM-1
 CURB RAMP LOCATION MAP
 CONRAD AVE - MERRIMAC AVE

CITY OF SAN DIEGO, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 SHEET 3 OF 5 SHEETS

B-16002

CONSTRUCTION NOTES:

- 1 RELOCATE TRAFFIC SIGN. SIGNS SHALL BE PLACED A MINIMUM OF 36" FROM A FIRE HYDRANT.
- 2 RESTRIPE CROSSWALK PER CITY OF SAN DIEGO STANDARD DRAWING SDM-116 CONTINENTAL CROSSWALK.
- 3 INSTALL INTERSECTION MARKINGS PER CAMUTCD 2012 STANDARD.



LEGEND:

- 10 CURB RAMP NO
- EX UTILITY POLE
- EX FIRE HYDRANT
- EX STREET LIGHT
- EX TREE
- EX STREET SIGN
- EX CURB RAMP TO REMAIN



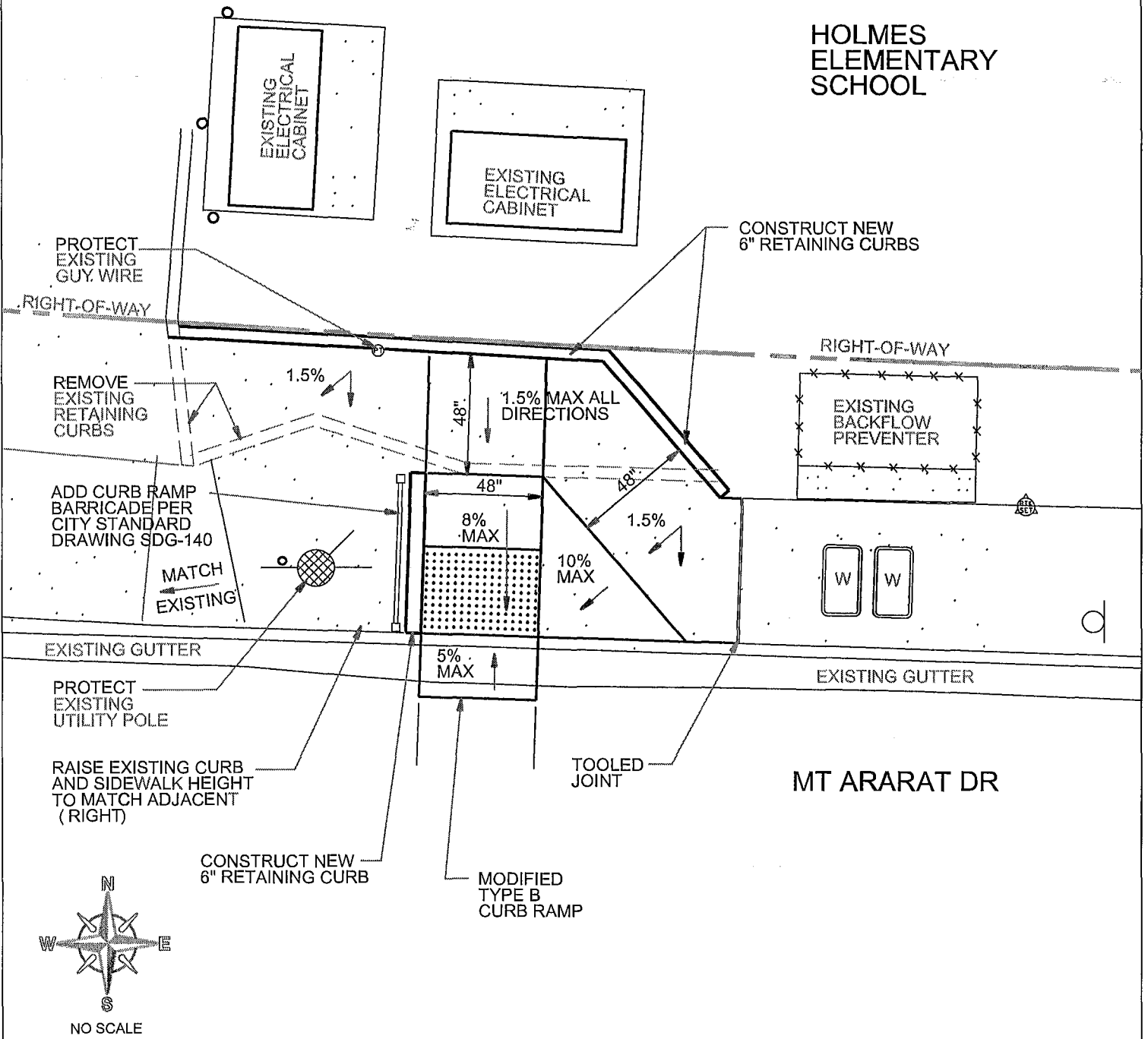
PIPELINE REHABILITATION AM-1
CURB RAMP LOCATION MAP
MT ARARAT DR – MT AUGUSTUS AVE

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 4 OF 5 SHEETS

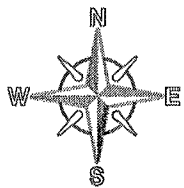
B-16002

DETAIL "A" CURB RAMP NO. 13 MODIFIED TYPE B

**HOLMES
ELEMENTARY
SCHOOL**










MT ARARAT DR



NO SCALE

LEGEND:

-  CURB RAMP NO 10
-  EX UTILITY POLE
-  EX FIRE HYDRANT
-  EX STREET LIGHT
-  EX TREE
-  EX STREET SIGN
-  EX CURB RAMP TO REMAIN



**PIPELINE REHABILITATION AM-1
DETAIL "A"
MODIFIED TYPE B CURB RAMP**

CITY OF SAN DIEGO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
SHEET 5 OF 5 SHEETS

B-16002

APPENDIX M

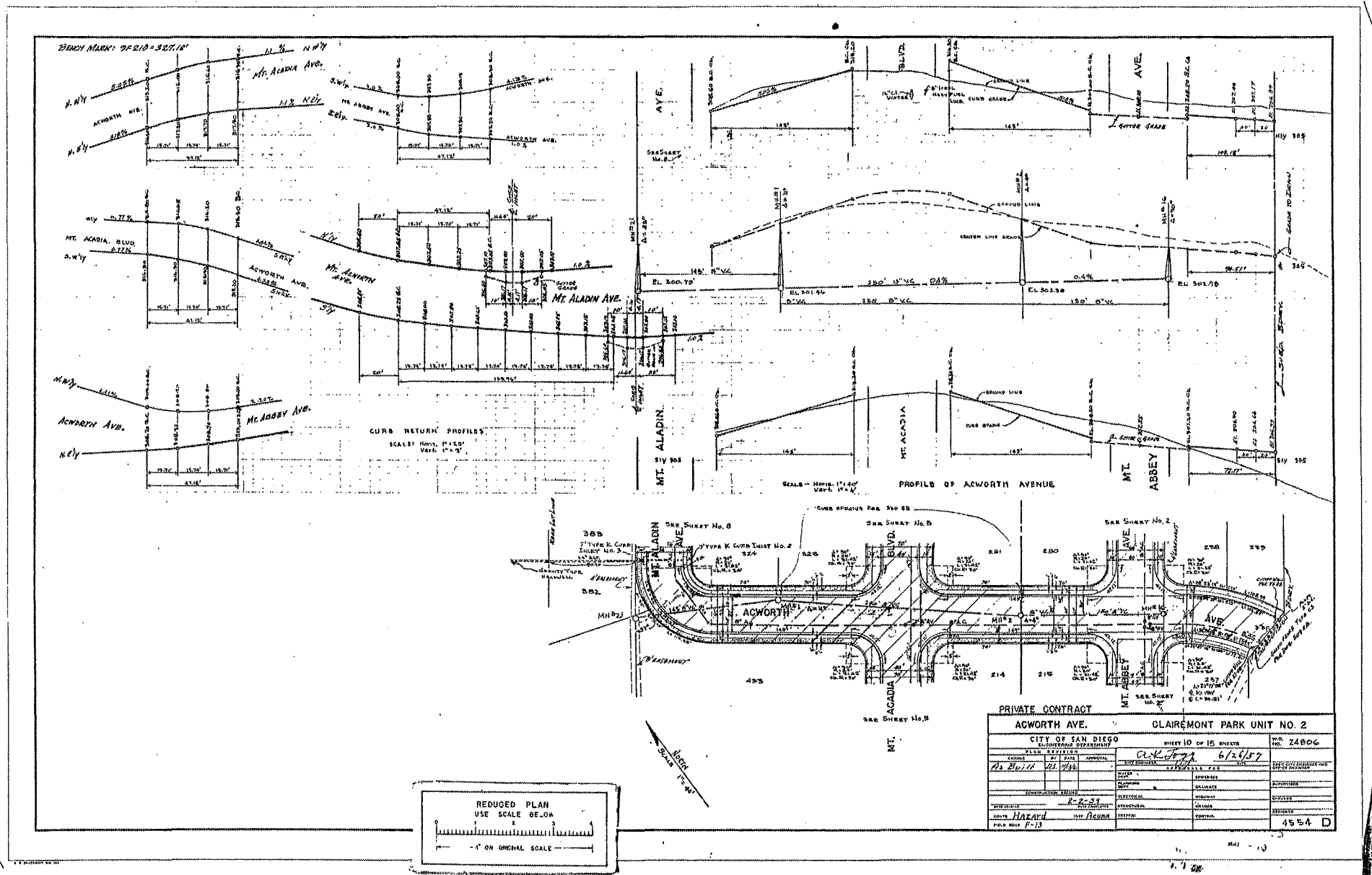
SEWER MAINS AND MANHOLE REHABILITATION SAMPLE DATA TEMPLATES

REHAB DATA COLLECTION - LATERALS

| FSN | REHAB DATE | TOPHAT INSTALLED | SIZE | FUNCTIONAL DIAM | LINING TYPE DESC | LINING METHOD DESC | REHAB CONTRACTOR DESC | REHAB MATERIAL VENDOR | COMMENTS | ACCEPTANCE DATE |
|---------|------------|------------------|------|-----------------|------------------|--------------------|------------------------------|-----------------------|---|-----------------|
| 5033085 | 8/22/2006 | Y | 6 | 5 | PVC | SPIRAL WOUND | WESCO INFRA. TECHNOLOGIES,LP | RIBLOC | EXAMPLE - Leave this row in the table as it is. | 8/22/2006 |
| | | | | | | | | | | |
| | | | | | | | | | | |

APPENDIX N

AS-BUILT DRAWINGS



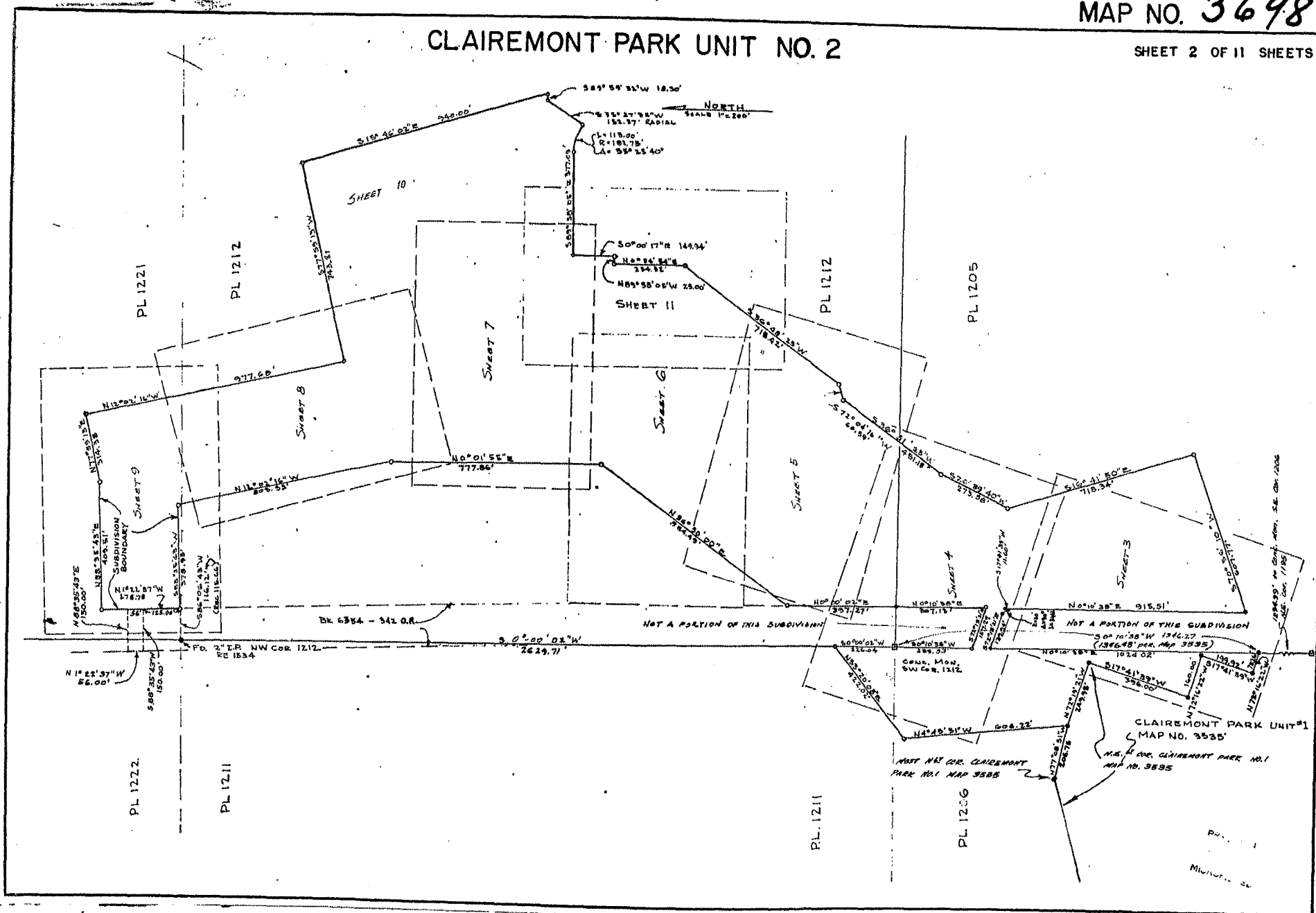
F2 MICROFILMED AT

15:1 REDUCTION

F4
MAP NO. 3698

CLAIREMONT PARK UNIT NO. 2

SHEET 2 OF 11 SHEETS



E2 MICROFILMED AT

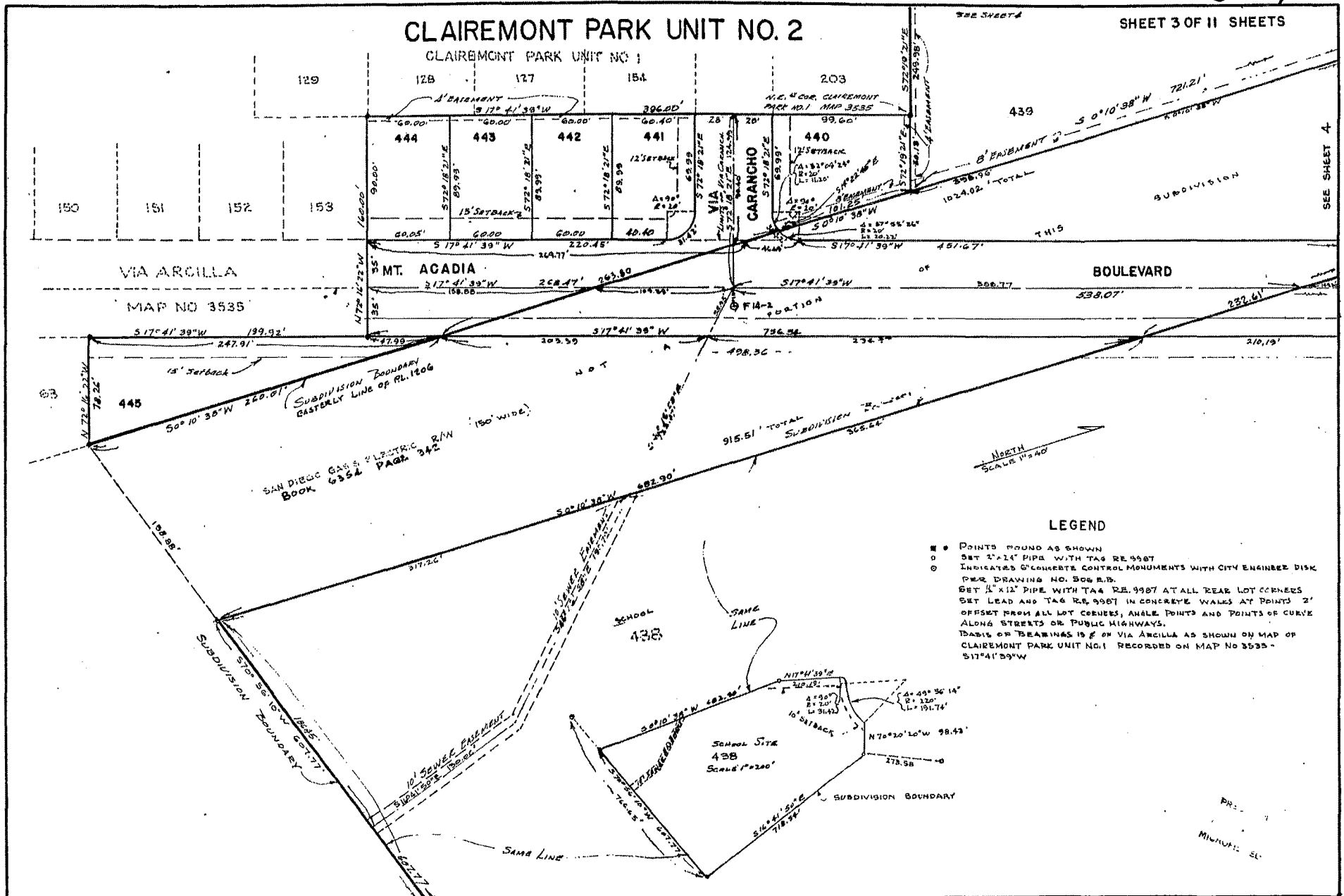
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MAP NO. 3698

CLAIREMONT PARK UNIT NO. 2

CLAIREMONT PARK UNIT NO. 1

SHEET 3 OF 11 SHEETS



LEGEND

- POINTS FOUND AS SHOWN
- SET 2" x 1/4" PIPE WITH TAG RE. 9907
- INDICATED CONCRETE CONTROL MONUMENTS WITH CITY ENGINEER DISK PER DRAWING NO. 506 R.B.
- SET 1/2" x 1/2" PIPE WITH TAG RE. 9907 AT ALL REAR LOT CORNERS
- SET LEAD AND TAG RE. 9907 IN CONCRETE WALES AT POINTS 2' OFFSET FROM ALL LOT CORNERS, ANGLE POINTS AND POINTS OF CURVE ALONG STREETS OR PUBLIC HIGHWAYS.
- TABLS OR BEARINGS IS E OF VIA ARCELLA AS SHOWN ON MAP OF CLAIREMONT PARK UNIT NO. 1 RECORDED ON MAP NO 3535 - 517°41'39"W

MICROFILMED AT

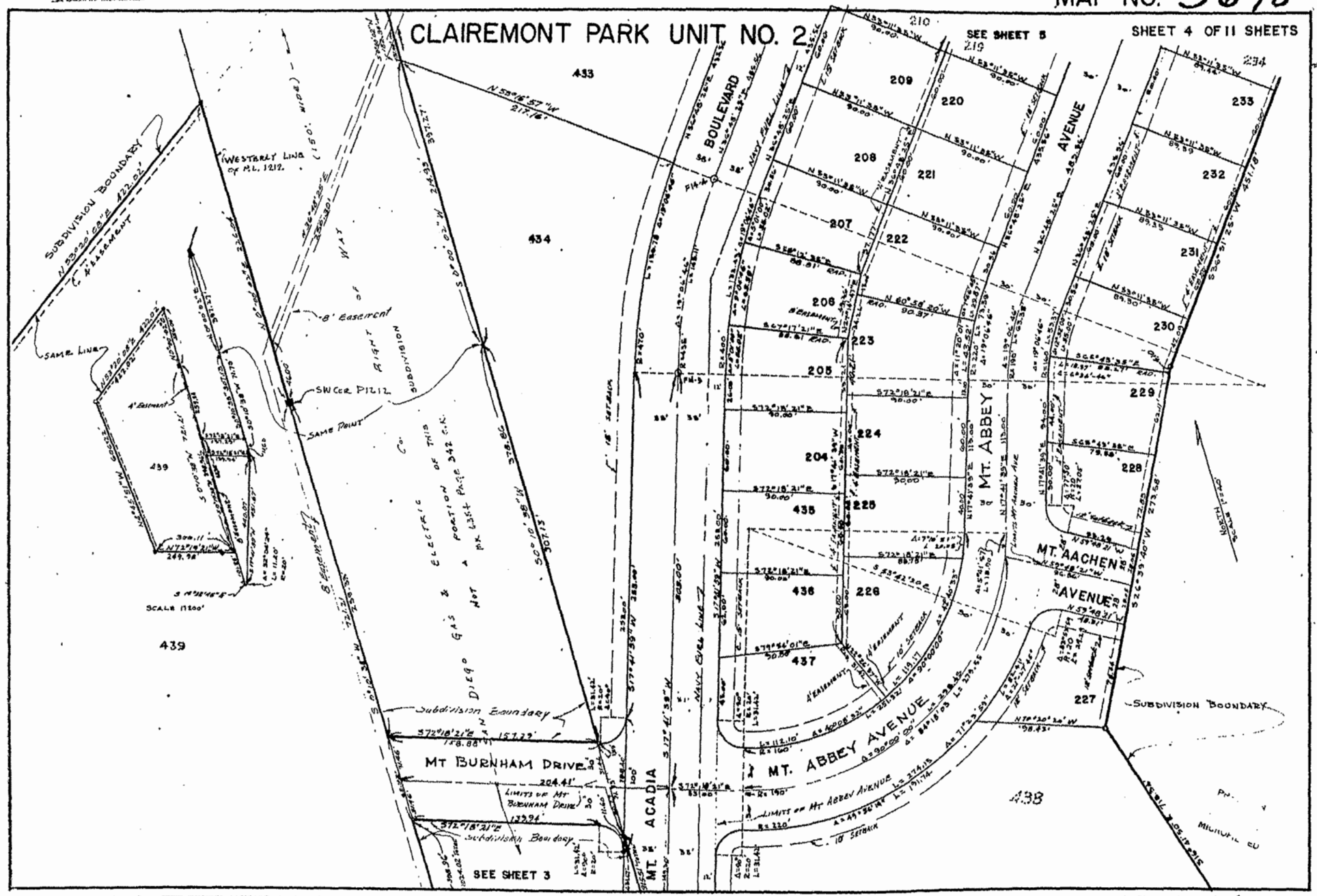
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MAP NO. 3698

CLAIREMONT PARK UNIT NO. 2

SEE SHEET 5

SHEET 4 OF 11 SHEETS



SCALE 1/1600'

439

SEE SHEET 3

F2 MICROFILMED AT

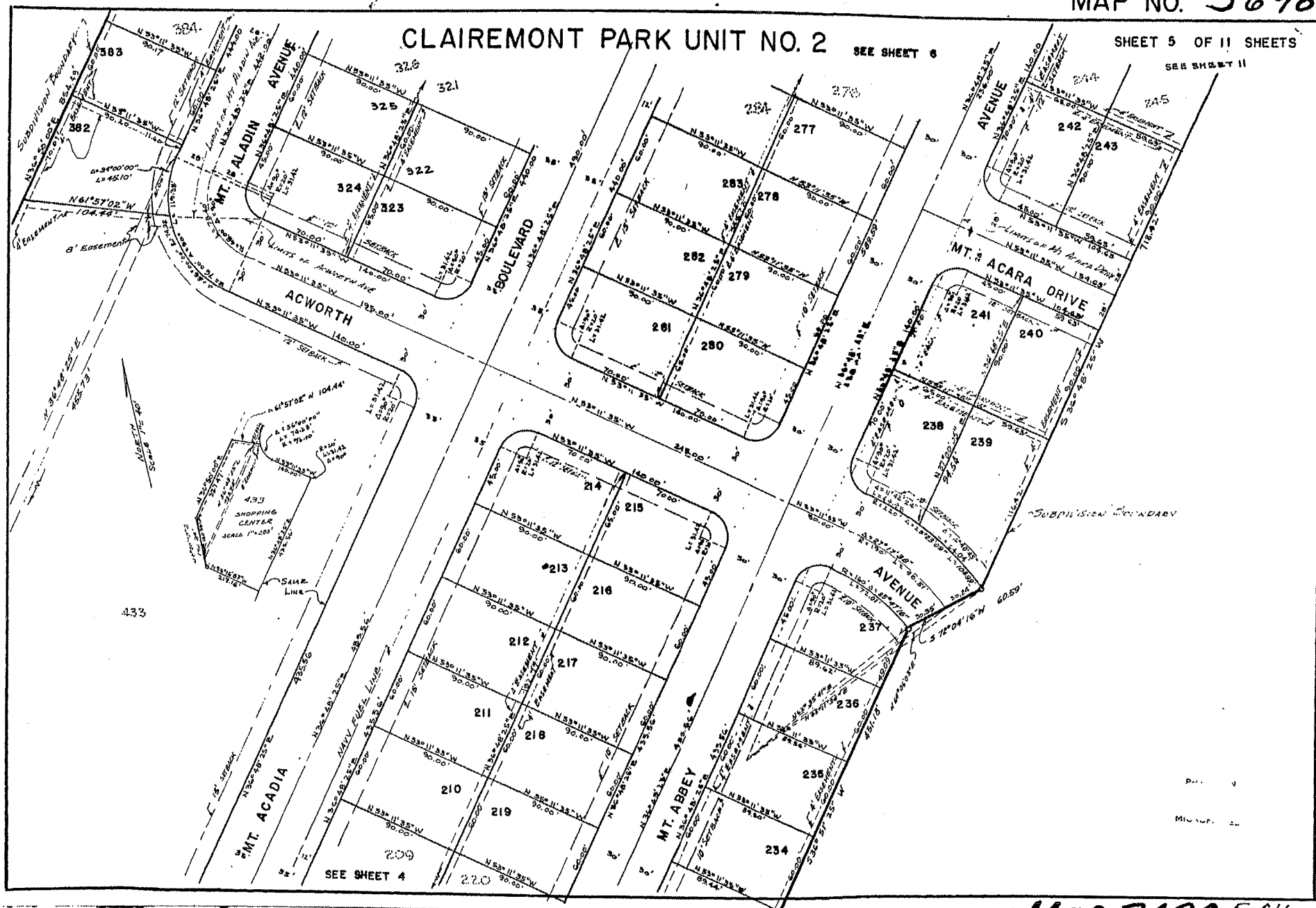
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MAP NO. 3698

CLAIREMONT PARK UNIT NO. 2 SEE SHEET 6

SHEET 5 OF 11 SHEETS

SEE SHEET 11



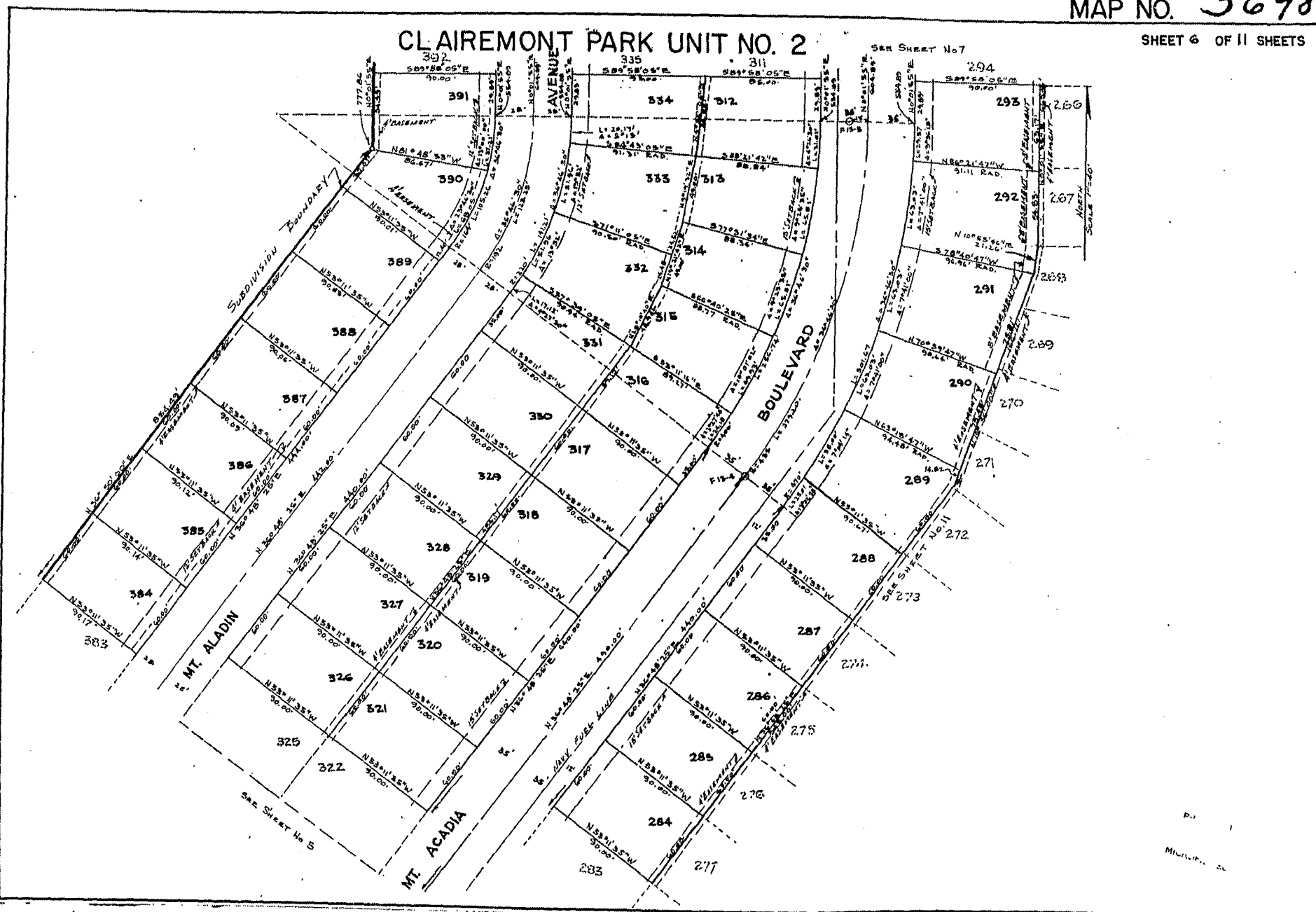
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CLAIREMONT PARK UNIT NO. 2

SHEET 6 OF 11 SHEETS

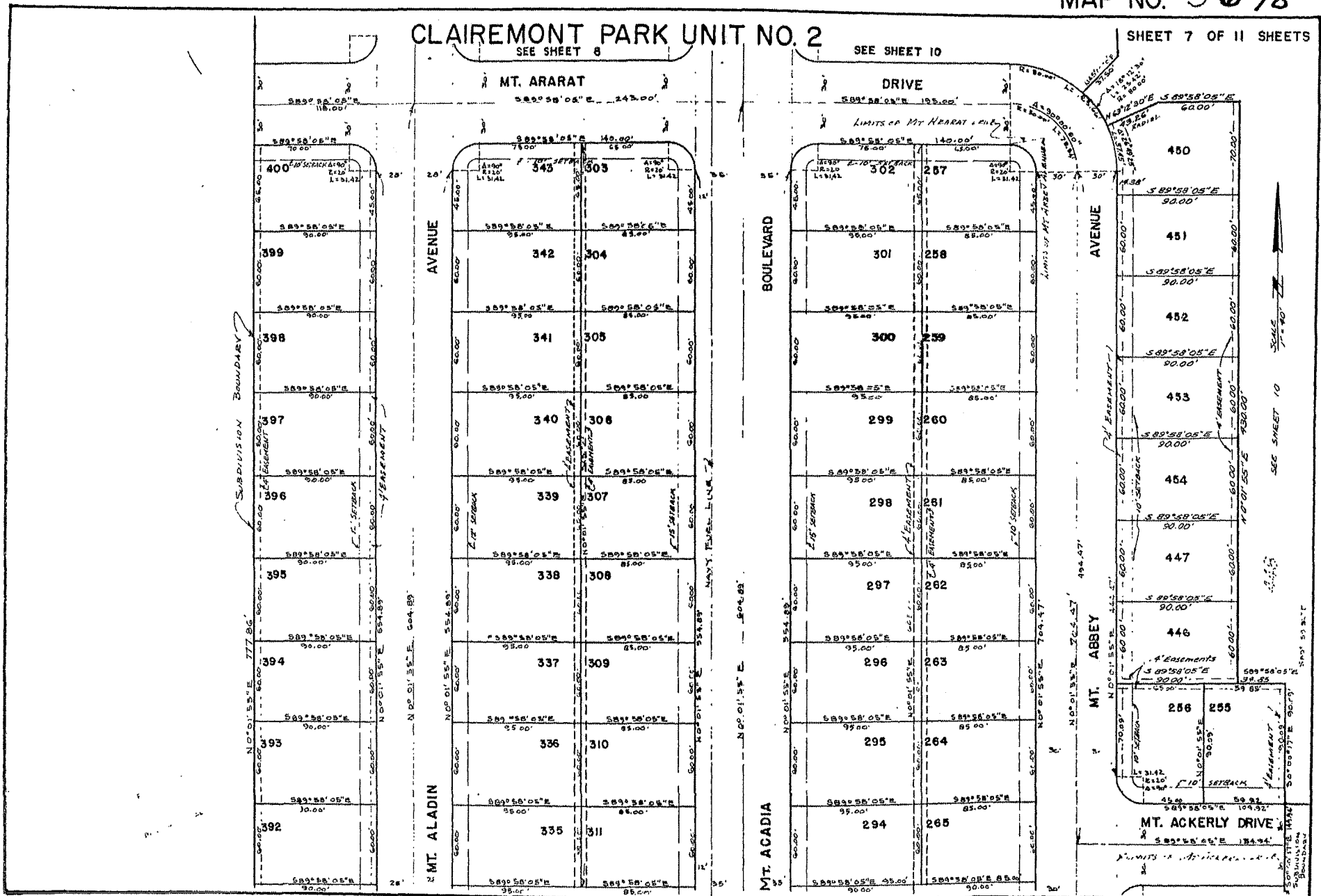


CLAIREMONT PARK UNIT NO. 2

SEE SHEET 8

SEE SHEET 10

SHEET 7 OF 11 SHEETS



15:1 REDUCTION

15:1 REDUCTION

CLAIREMONT PARK UNIT NO. 2

MAP NO. 3698

SHEET 8 OF 11 SHEETS

SEE SHEET 10

MT. ACADIA

NAVY FUEL LINE

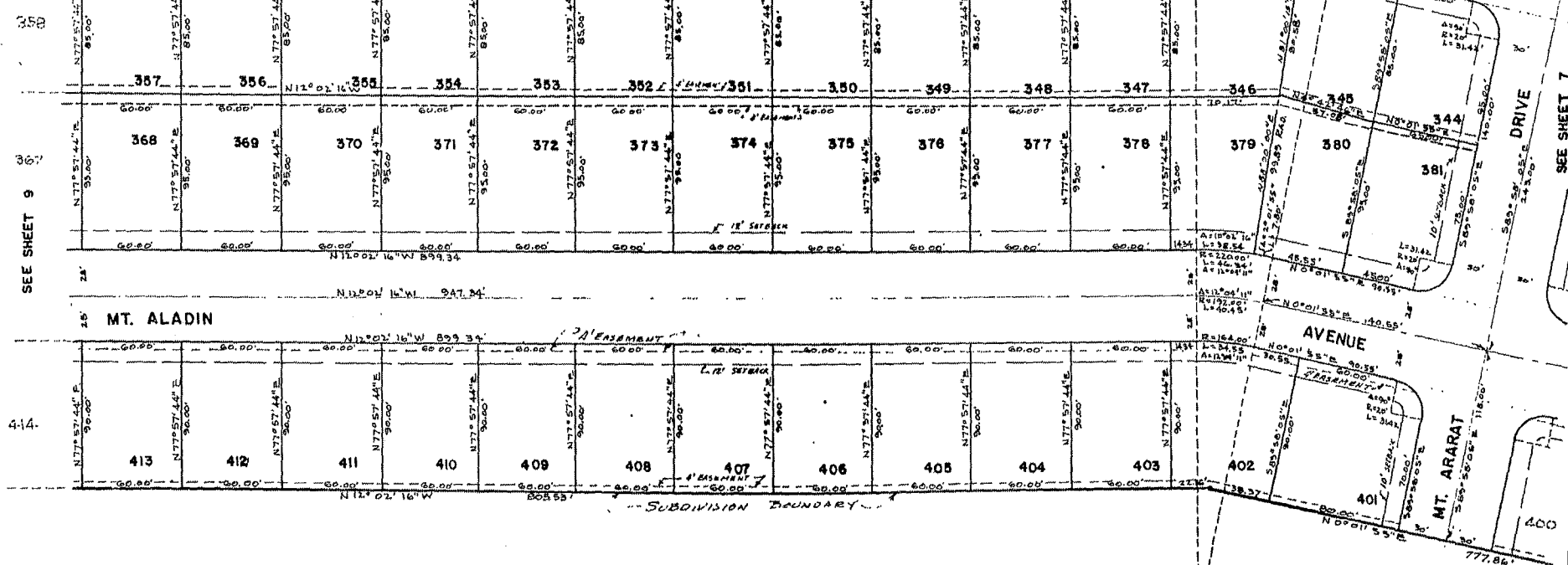
BOULEVARD

MT. ALADIN

AVENUE

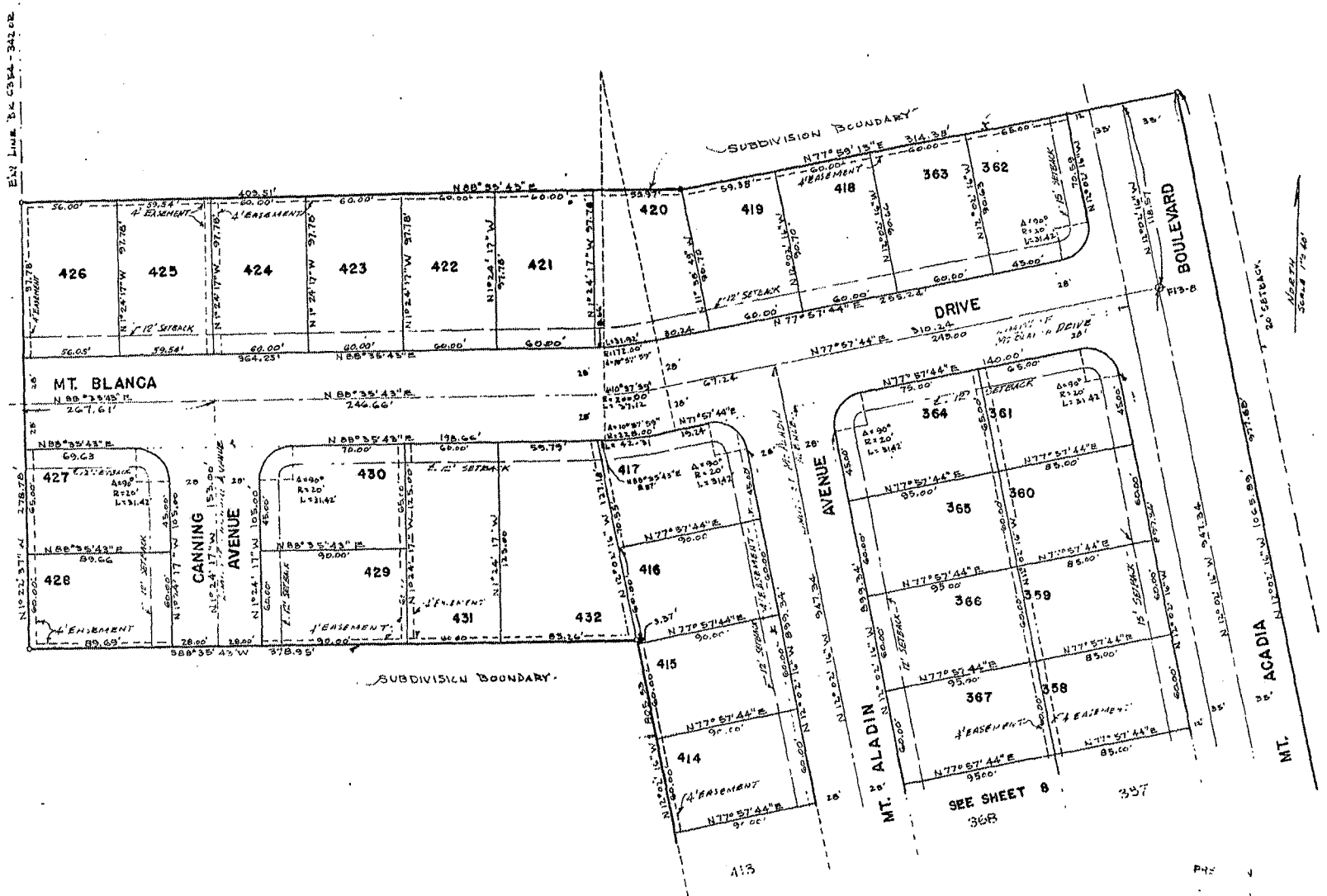
MT. ARARAT

DRIVE



PREP. 4
MICROFILM ED

CLAIREMONT PARK UNIT NO. 2



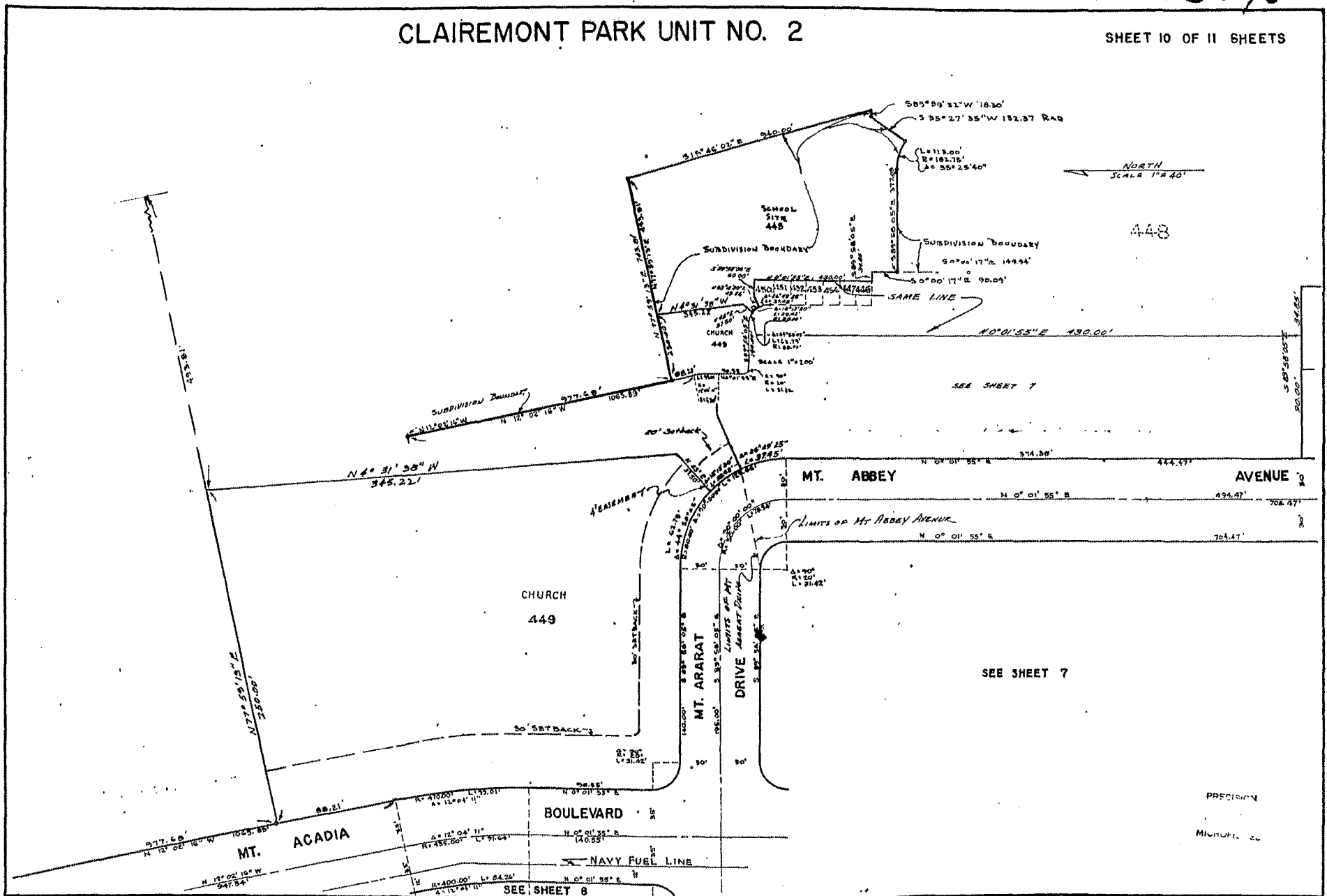
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MAP NO. 3698

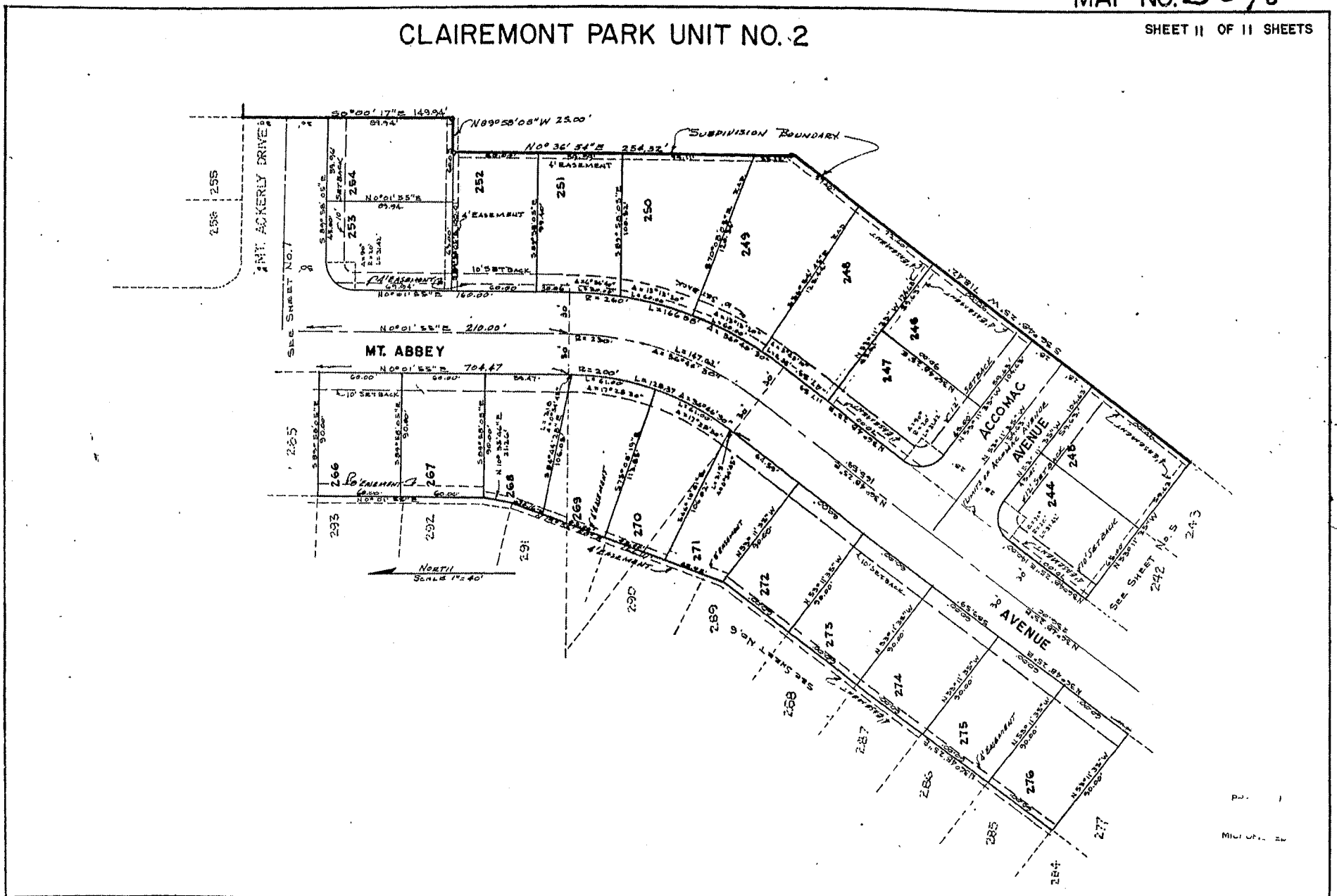
CLAIREMONT PARK UNIT NO. 2

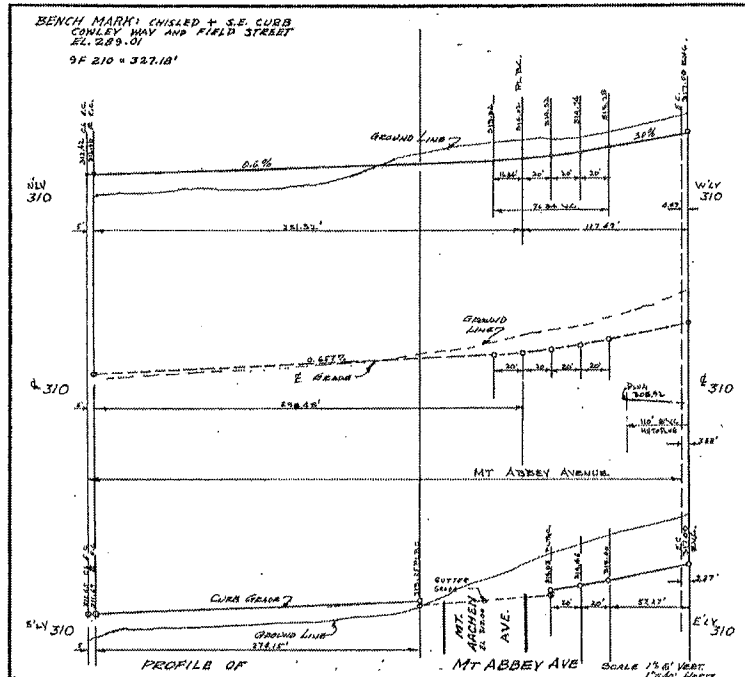
SHEET 10 OF 11 SHEETS



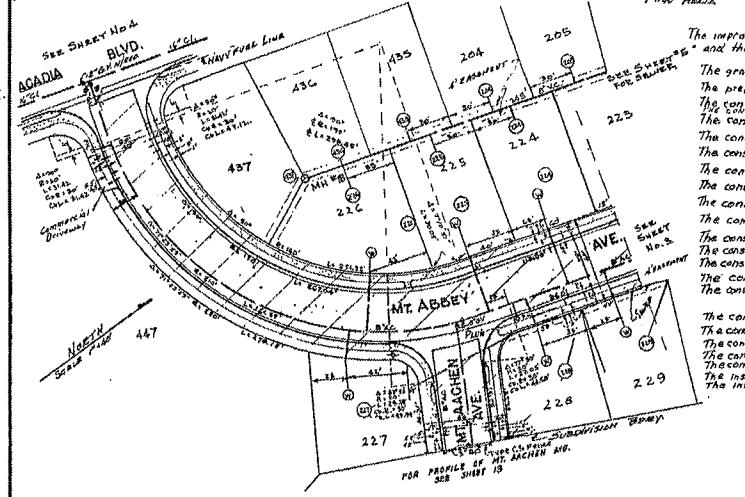
CLAIREMONT PARK UNIT NO. 2

SHEET II OF 11 SHEETS





| STATION | INVERT ELEVATION | PIPE DIAMETER | PIPE MATERIAL | MANHOLE NO. | INVERT ELEVATION | PIPE DIAMETER | PIPE MATERIAL | MANHOLE NO. | REMARKS |
|---------|------------------|---------------|---------------|-------------|------------------|---------------|---------------|-------------|---------|
| 209 | 317.4 | 18" | CONC. | 209 | 317.4 | 18" | CONC. | 209 | MANHOLE |
| 210 | 317.4 | 18" | CONC. | 210 | 317.4 | 18" | CONC. | 210 | MANHOLE |
| 211 | 317.4 | 18" | CONC. | 211 | 317.4 | 18" | CONC. | 211 | MANHOLE |
| 212 | 317.4 | 18" | CONC. | 212 | 317.4 | 18" | CONC. | 212 | MANHOLE |
| 213 | 317.4 | 18" | CONC. | 213 | 317.4 | 18" | CONC. | 213 | MANHOLE |
| 214 | 317.4 | 18" | CONC. | 214 | 317.4 | 18" | CONC. | 214 | MANHOLE |
| 215 | 317.4 | 18" | CONC. | 215 | 317.4 | 18" | CONC. | 215 | MANHOLE |
| 216 | 317.4 | 18" | CONC. | 216 | 317.4 | 18" | CONC. | 216 | MANHOLE |
| 217 | 317.4 | 18" | CONC. | 217 | 317.4 | 18" | CONC. | 217 | MANHOLE |
| 218 | 317.4 | 18" | CONC. | 218 | 317.4 | 18" | CONC. | 218 | MANHOLE |
| 219 | 317.4 | 18" | CONC. | 219 | 317.4 | 18" | CONC. | 219 | MANHOLE |
| 220 | 317.4 | 18" | CONC. | 220 | 317.4 | 18" | CONC. | 220 | MANHOLE |
| 221 | 317.4 | 18" | CONC. | 221 | 317.4 | 18" | CONC. | 221 | MANHOLE |
| 222 | 317.4 | 18" | CONC. | 222 | 317.4 | 18" | CONC. | 222 | MANHOLE |
| 223 | 317.4 | 18" | CONC. | 223 | 317.4 | 18" | CONC. | 223 | MANHOLE |
| 224 | 317.4 | 18" | CONC. | 224 | 317.4 | 18" | CONC. | 224 | MANHOLE |
| 225 | 317.4 | 18" | CONC. | 225 | 317.4 | 18" | CONC. | 225 | MANHOLE |
| 226 | 317.4 | 18" | CONC. | 226 | 317.4 | 18" | CONC. | 226 | MANHOLE |
| 227 | 317.4 | 18" | CONC. | 227 | 317.4 | 18" | CONC. | 227 | MANHOLE |
| 228 | 317.4 | 18" | CONC. | 228 | 317.4 | 18" | CONC. | 228 | MANHOLE |
| 229 | 317.4 | 18" | CONC. | 229 | 317.4 | 18" | CONC. | 229 | MANHOLE |
| 230 | 317.4 | 18" | CONC. | 230 | 317.4 | 18" | CONC. | 230 | MANHOLE |
| 231 | 317.4 | 18" | CONC. | 231 | 317.4 | 18" | CONC. | 231 | MANHOLE |
| 232 | 317.4 | 18" | CONC. | 232 | 317.4 | 18" | CONC. | 232 | MANHOLE |
| 233 | 317.4 | 18" | CONC. | 233 | 317.4 | 18" | CONC. | 233 | MANHOLE |
| 234 | 317.4 | 18" | CONC. | 234 | 317.4 | 18" | CONC. | 234 | MANHOLE |
| 235 | 317.4 | 18" | CONC. | 235 | 317.4 | 18" | CONC. | 235 | MANHOLE |
| 236 | 317.4 | 18" | CONC. | 236 | 317.4 | 18" | CONC. | 236 | MANHOLE |
| 237 | 317.4 | 18" | CONC. | 237 | 317.4 | 18" | CONC. | 237 | MANHOLE |
| 238 | 317.4 | 18" | CONC. | 238 | 317.4 | 18" | CONC. | 238 | MANHOLE |
| 239 | 317.4 | 18" | CONC. | 239 | 317.4 | 18" | CONC. | 239 | MANHOLE |
| 240 | 317.4 | 18" | CONC. | 240 | 317.4 | 18" | CONC. | 240 | MANHOLE |
| 241 | 317.4 | 18" | CONC. | 241 | 317.4 | 18" | CONC. | 241 | MANHOLE |
| 242 | 317.4 | 18" | CONC. | 242 | 317.4 | 18" | CONC. | 242 | MANHOLE |
| 243 | 317.4 | 18" | CONC. | 243 | 317.4 | 18" | CONC. | 243 | MANHOLE |
| 244 | 317.4 | 18" | CONC. | 244 | 317.4 | 18" | CONC. | 244 | MANHOLE |
| 245 | 317.4 | 18" | CONC. | 245 | 317.4 | 18" | CONC. | 245 | MANHOLE |
| 246 | 317.4 | 18" | CONC. | 246 | 317.4 | 18" | CONC. | 246 | MANHOLE |
| 247 | 317.4 | 18" | CONC. | 247 | 317.4 | 18" | CONC. | 247 | MANHOLE |
| 248 | 317.4 | 18" | CONC. | 248 | 317.4 | 18" | CONC. | 248 | MANHOLE |
| 249 | 317.4 | 18" | CONC. | 249 | 317.4 | 18" | CONC. | 249 | MANHOLE |
| 250 | 317.4 | 18" | CONC. | 250 | 317.4 | 18" | CONC. | 250 | MANHOLE |
| 251 | 317.4 | 18" | CONC. | 251 | 317.4 | 18" | CONC. | 251 | MANHOLE |
| 252 | 317.4 | 18" | CONC. | 252 | 317.4 | 18" | CONC. | 252 | MANHOLE |
| 253 | 317.4 | 18" | CONC. | 253 | 317.4 | 18" | CONC. | 253 | MANHOLE |
| 254 | 317.4 | 18" | CONC. | 254 | 317.4 | 18" | CONC. | 254 | MANHOLE |
| 255 | 317.4 | 18" | CONC. | 255 | 317.4 | 18" | CONC. | 255 | MANHOLE |
| 256 | 317.4 | 18" | CONC. | 256 | 317.4 | 18" | CONC. | 256 | MANHOLE |
| 257 | 317.4 | 18" | CONC. | 257 | 317.4 | 18" | CONC. | 257 | MANHOLE |
| 258 | 317.4 | 18" | CONC. | 258 | 317.4 | 18" | CONC. | 258 | MANHOLE |
| 259 | 317.4 | 18" | CONC. | 259 | 317.4 | 18" | CONC. | 259 | MANHOLE |
| 260 | 317.4 | 18" | CONC. | 260 | 317.4 | 18" | CONC. | 260 | MANHOLE |
| 261 | 317.4 | 18" | CONC. | 261 | 317.4 | 18" | CONC. | 261 | MANHOLE |
| 262 | 317.4 | 18" | CONC. | 262 | 317.4 | 18" | CONC. | 262 | MANHOLE |
| 263 | 317.4 | 18" | CONC. | 263 | 317.4 | 18" | CONC. | 263 | MANHOLE |
| 264 | 317.4 | 18" | CONC. | 264 | 317.4 | 18" | CONC. | 264 | MANHOLE |
| 265 | 317.4 | 18" | CONC. | 265 | 317.4 | 18" | CONC. | 265 | MANHOLE |
| 266 | 317.4 | 18" | CONC. | 266 | 317.4 | 18" | CONC. | 266 | MANHOLE |
| 267 | 317.4 | 18" | CONC. | 267 | 317.4 | 18" | CONC. | 267 | MANHOLE |



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:

- The grading of the portions of the streets shown hatched thus:
- The preparation of subgrade and paving of the portions of the streets shown shaded thus:
- The construction of Type G curb shown thus:
- The construction of vitrified clay pipe sewer main shown thus:
- The construction of cast iron water main shown thus:
- The construction of fire hydrants and appurtenances complete shown thus:
- The construction of copper water services shown thus:
- The construction of cast iron gas valves with plate iron boxes and cast iron covers as shown thus:
- The construction of vitrified clay pipe sewer lateral shown thus:
- The construction of Concrete Manholes shown thus:
- The construction of sidewalks as shown thus:
- The construction of Guard Fences shown thus:
- The construction of cut off walls shown thus:
- The construction of concrete cross gutters shown thus:
- The construction of concrete monuments per notes (amended)
- The construction of Type K curb inlets shown thus:
- The construction of gravity type headwalls shown thus:
- The construction of concrete storm drains shown thus:
- The construction of Concrete Curb Gutter (as shown)
- The installation of Street Valve boxes (by the City of San Diego) as shown thus:
- The installation of 2" air release valve shown thus:

SEWER LATERALS

Each lot shall receive a 4" vit. sewer lateral set at a minimum grade of 2% and the invert shall be at a depth of 2' below the top of curb elevation at the corner of the lot otherwise noted. The location shall be as determined by the Engineer of Work, the lateral shall be constructed perpendicular to the sewer main unless otherwise noted and its construction 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 sewer lateral data table which is a part of these plans. This method of recording sewer lateral on plans after construction shall only apply to "Tract Subdivisions" where all lots are fully improved with houses, all sewer laterals shall be built properly from Engineer of Work shall coordinate and furnish as desired to Sewer Division information on location of each and every lateral in subdivision.

EXISTING WORK Sewer Main Water Main

NOTE
Cover from invert shall be encased in concrete per DWSRB
Sewer pipe shall be vitrified clay
Plus all open ends of all sewer laterals and sewer mains with vitrified clay plugs.

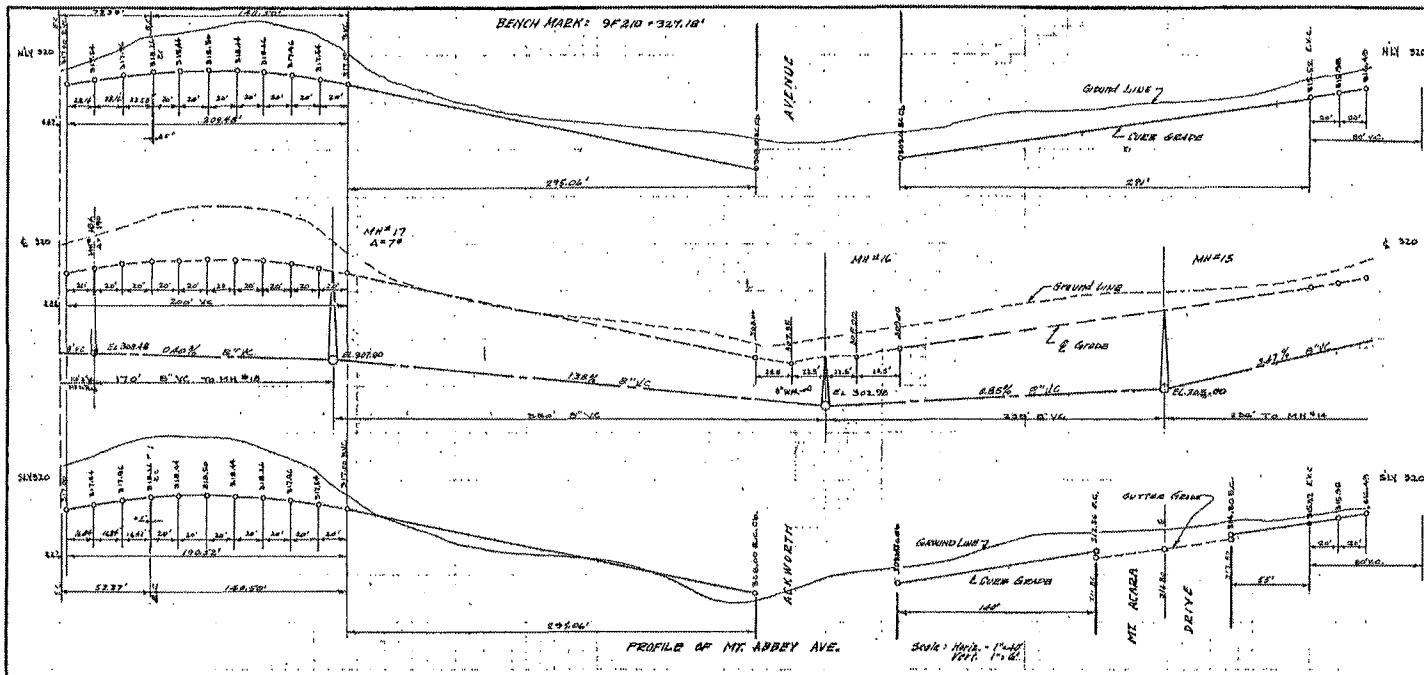
Connection No. 1 - 215.00 Connection No. 2 - 215.00

PRIVATE CONTRACT ENGINEER: W. R. BURNHAM, JR. DATE: 11/10/37

MT. ABBEY - MT. BURNHAM DR. CLAREMONT PARK UNIT NO. 2

| | | | | | |
|---|--------------------|----------------------|--------------------|----------------|----------------|
| CITY OF SAN DIEGO ENGINEERING DEPARTMENT | | SHEET 2 OF 15 SHEETS | | NO. 24806 | |
| FILED | EXAMINED | DATE | BY | SCALE | PROJECT |
| As Built | As Shown | 11/10/37 | W. R. BURNHAM, JR. | AS SHOWN | CLAREMONT PARK |
| DESIGNED | CHECKED | DATE | BY | SCALE | PROJECT |
| W. R. BURNHAM, JR. | W. R. BURNHAM, JR. | 11/10/37 | W. R. BURNHAM, JR. | AS SHOWN | CLAREMONT PARK |
| CHECKED | DATE | BY | SCALE | PROJECT | |
| W. R. BURNHAM, JR. | 11/10/37 | W. R. BURNHAM, JR. | AS SHOWN | CLAREMONT PARK | |
| DATE | BY | SCALE | PROJECT | | |
| 11/10/37 | W. R. BURNHAM, JR. | AS SHOWN | CLAREMONT PARK | | |
| DATE | BY | SCALE | PROJECT | | |
| 11/10/37 | W. R. BURNHAM, JR. | AS SHOWN | CLAREMONT PARK | | |

4546-D



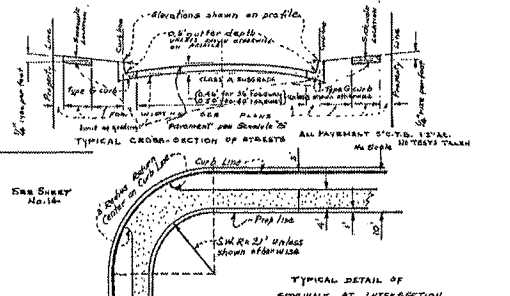
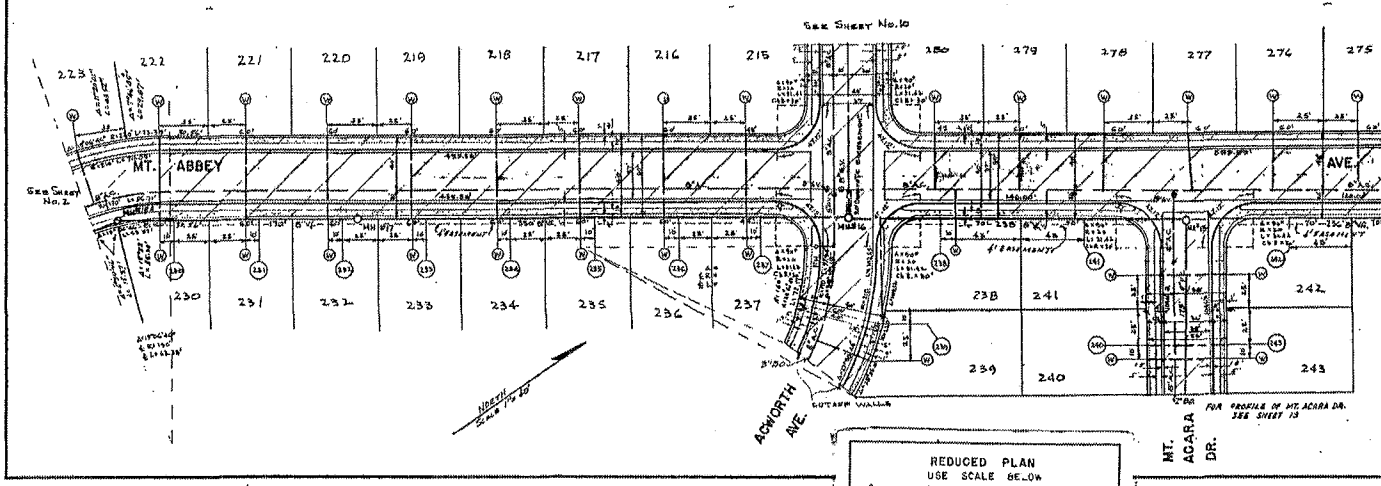
NOTES

All water services shall be 3" unless otherwise noted.
 All water mains shall have 3' cover above top of pipe.
 All valves on 16" line to be 18" with reducers. Provide air valves at high points.
 200# Y-pattern manholes and 4" O.D. where necessary.
 Water main fittings shall be cast iron.
 If cement treated base is required, it shall conform to the requirements of best
 need cement treated base. Sec. 61, 61st Spd., City of San Diego.
 Gas mains and services shall be installed prior to paving.
 Mesosymbionism will be planted according to the resolution.

BASELINE FOR TRENCHES IN PUBLIC EASEMENTS SHALL BE QUOTED TO A POINT OF 50% OF HERE AND SHALL COMPLY WITH TRENCH
 SPECIAL SPECIFICATIONS FOR STREETS AND ALLEYS.

STANDARD SPECIFICATIONS
 Standard Specifications filed July 7, 1954
 General Conditions for Private Work
 Special Conditions No. P-1

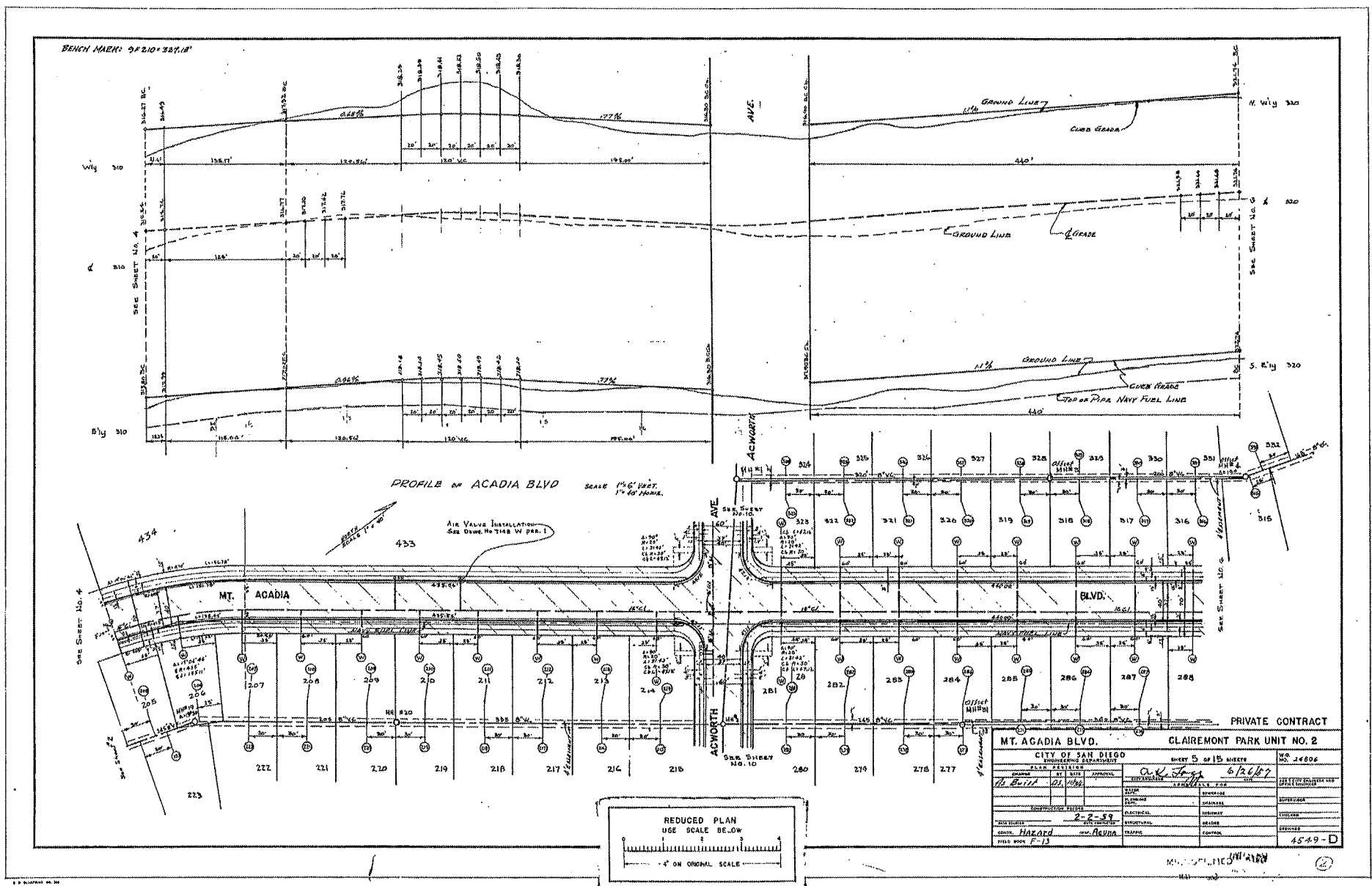
STANDARD DRAWINGS
 4-E-B, 9-E-B, 27-E-B, 35-E-B, 100-E-B, 101-E-B, 107-E-B, 108-E-B,
 200-W-B, 205-W-B, 206-W-B, 207-W-B, 212-W-B, 214-W-B,
 217-W-B, 105-E-B, 500-F-B, 503-E-B, 506-L-B, 301-E-B,
 303-E-B, 317-E-B, 201-W-B, 204-S-B, 208-W-B, 210-W-B,
 218-W-B, DR. 3920 DR. 3883 123-E-B, 115-E-B, 74-D-W
 11-E-B, 27-E-B, 24-E-B, 304-E-B, 311-E-B, 514-E-B, 53-E-B
 103-B, 1322 74-B-W

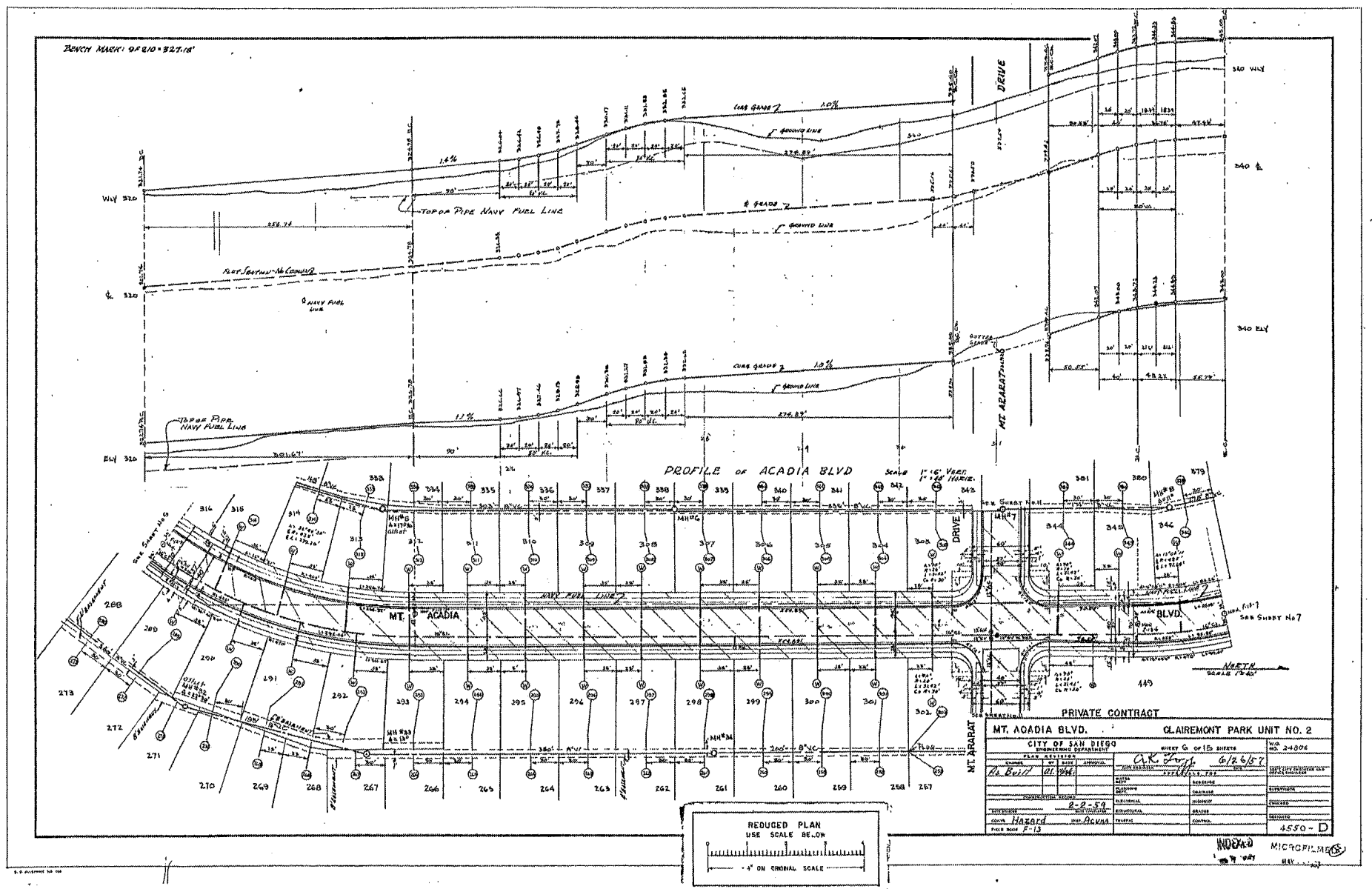


PRIVATE CONTRACT

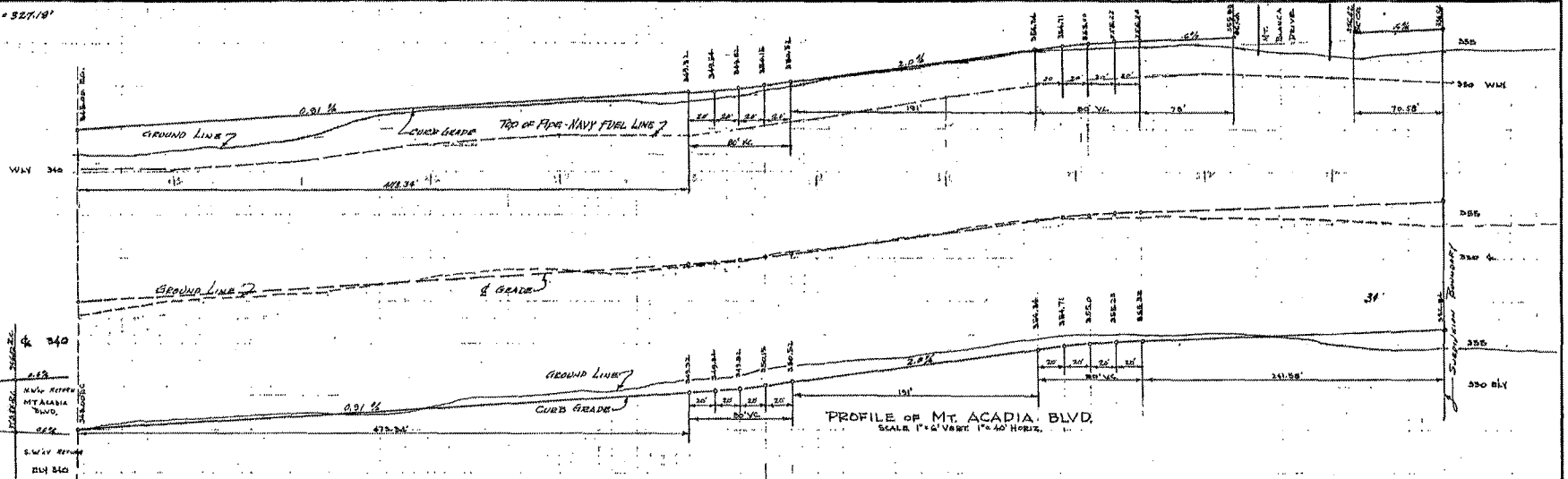
MT. ABBEY AVE. CLAIREMONT PARK UNIT NO. 2

| | | | | | | | |
|---------------------|----------|------------------------|---------|----------------------|------|----------------|--|
| CITY OF SAN DIEGO | | ENGINEERING DEPARTMENT | | SHEET 3 OF 15 SHEETS | | W.D. NO. 24804 | |
| DESIGNED BY | DATE | APPROVED BY | DATE | PROJECT NO. | DATE | | |
| As Built | 01/26/57 | [Signature] | 6/26/57 | | | | |
| CONSTRUCTION RECORD | | CONSTRUCTION | | CONSTRUCTION | | CONSTRUCTION | |
| 2-2-59 | | 2-2-59 | | 2-2-59 | | 2-2-59 | |
| COUNT Hazard | | M.T. ABBEY | | M.T. ABBEY | | M.T. ABBEY | |
| FIELD BOOK F-13 | | M.T. ABBEY | | M.T. ABBEY | | M.T. ABBEY | |
| | | | | | | 4947 - D | |

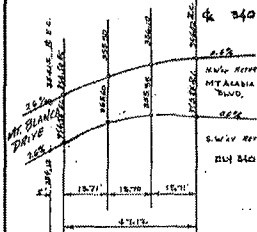




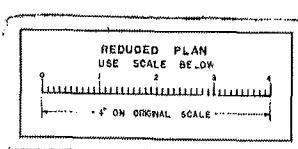
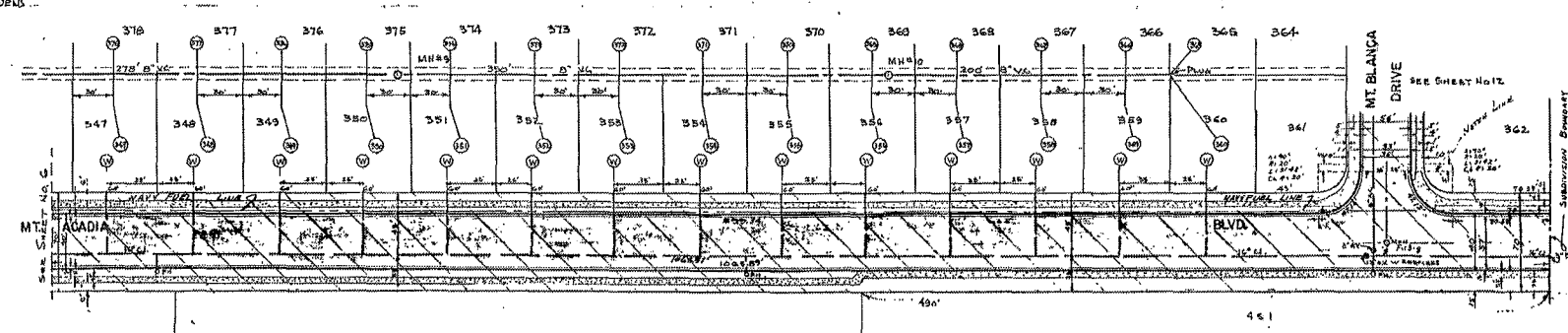
BENCH MARK: 9' 2.0" = 527.19'



PROFILE OF MT. ACADIA BLVD.
SCALE 1" = 4' VERT. 1" = 40' HORIZ.

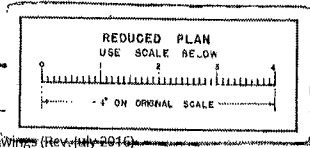
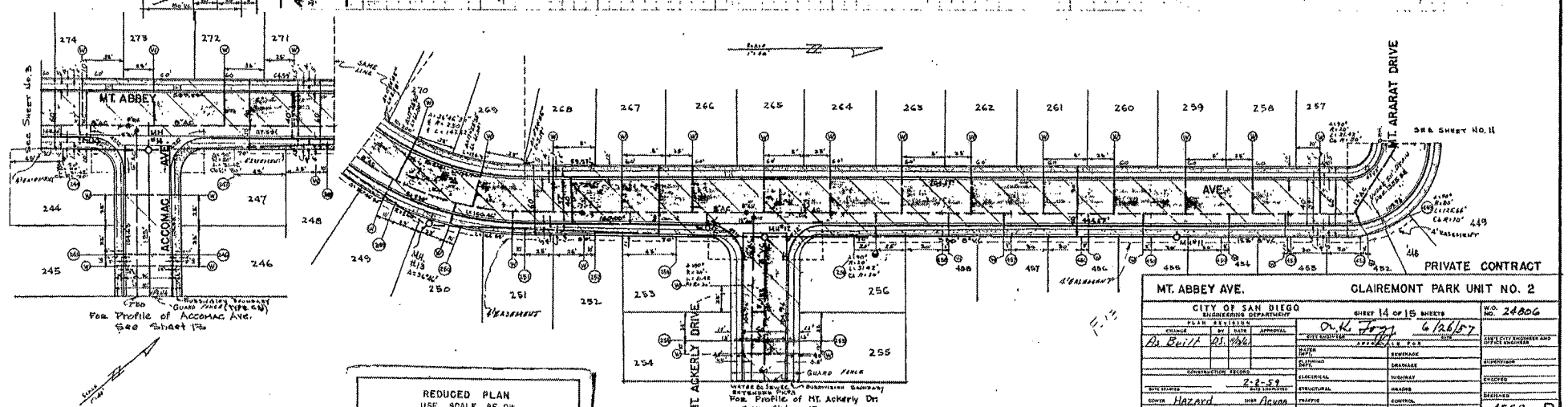
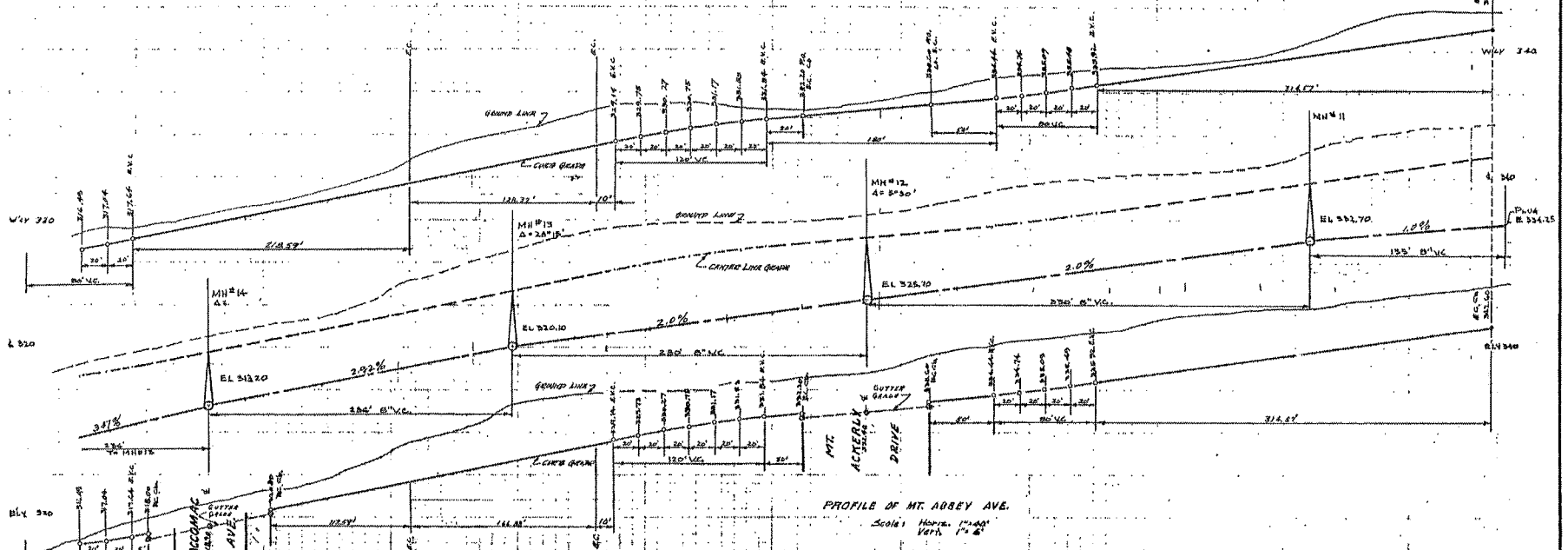


PROFILE OF CURB RETURNS
SCALE 1" = 20' HORIZ.
1" = 2' VERT.



| PRIVATE CONTRACT | | CLAIREMONT PARK UNIT NO. 2 | |
|------------------------|---------------|----------------------------|--------|
| CITY OF SAN DIEGO | | SHEET 7 OF 15 SHEETS | |
| ENGINEERING DEPARTMENT | | NO. 24806 | |
| DESIGNED BY | APPROVED BY | DATE | |
| MR. BULL | DR. J. H. ... | 6/26/57 | |
| CHECKED BY | DATE | | |
| CONSTRUCTION PERSONNEL | | | |
| SUPERVISOR | 2-2-59 | | |
| MR. HARRIS | MR. ACUNA | | |
| FIELD NO. F-13 | TRAFFIC | CONTRACT NO. | 4551-D |

BENCH MARK: 9F310 = 327.18'



| MT. ABBEY AVE. | | CLAIREMONT PARK UNIT NO. 2 | |
|---|---------------|----------------------------|-----------|
| CITY OF SAN DIEGO ENGINEERING DEPARTMENT | | SHEET 14 OF 15 SHEETS | |
| DATE | BY | APPROVAL | NO. 24806 |
| 01/11/07 | D. Bull | D. Bull | |
| DESIGNED | BY | APPROVED | |
| D. Bull | D. Bull | D. Bull | |
| CHECKED | BY | APPROVED | |
| D. Bull | D. Bull | D. Bull | |
| CONSTRUCTION RECORDS | 2-2-59 | STRUCTURAL | |
| ENGINEER | 2-2-59 | ELECTRICAL | |
| DAVID HAZARD | D. Bull | MECHANICAL | |
| SCALE: HORIZ. 1" = 40' | VERT. 1" = 6' | TRAFFIC | |
| | | CONTROL | |
| | | | 4558-D |

MICROFILMED AT
15:1 REDUCTION

MAP NO. 4800

SHEET 1 OF 5 SHEETS

CLAIREMONT MESA SOUTH UNIT No. 1

We hereby certify that we are the owners of or are interested in the land embraced within the subdivision to be known as CLAREMONT MESA SOUTH UNIT No. 1 and we hereby consent to the preparation and recordation of this map consisting of 5 sheets and described in the caption thereof. We hereby dedicate to public use the walkway as shown on this map within this subdivision.

LONGFORD BUILDING COMPANY, A LIMITED PARTNERSHIP

By Hoyt S. Forde, of California, Inc., a corporation, a General Partner

By Hoyt S. Forde, President

STATE OF CALIFORNIA } ss. on JUNE 5, 1961, before me, the undersigned a County of San Diego Notary Public, in and for said County and State personally appeared Hoyt S. Forde, known to me to be the President of Hoyt S. Forde & Associates, Inc., a corporation, the corporation that executed the within instrument and known to me to be the person who executed the within instrument on behalf of said corporation, said corporation being known to me to be one of the partners of Longford Building Company, the partnership that executed the within instrument, and acknowledged to me that such corporation executed the same as partner and that such partnership executed the same.

In Witness Whereof I have hereunto set my hand and affixed my Notarial Seal, the day and year in this certificate first above written.

Chelmsa Jean

ELEONORA TAM, Notary Public in and for said County and State

My Commission expires NOVEMBER 2, 1962

BEING A RESUBDIVISION OF SOUTHEAST CLAIREMONT No. 2, MAP No. 4056 AND A PORTION OF PUEBLO LOT 1200, PUEBLO LANDS OF SAN DIEGO, IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF MADE BY JAMES PASCOE IN 1910, A COPY OF WHICH SAID MAP WAS FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO, NOVEMBER 14, 1921, AND IS KNOWN AS MISCELLANEOUS MAP 36.

Approved and recommended this 16th day of June, 1961, after examination of map and certificates thereon

CITY PLANNING COMMISSION OF THE CITY OF SAN DIEGO, CALIFORNIA

By Robert D. Murphy, President Attest Robert D. Murphy, Secretary

I, Fred W. Lawrence, City Auditor of the City of San Diego, California, hereby certify that there are no liens for unpaid City taxes or unpaid bonds issued under the Improvement Bond Act of 1915, Statutes of 1915, page 144, State of California, shown by the books of this office, except taxes not yet payable against the tract or subdivision, or any part thereof, shown on the annexed map consisting of 5 sheets and described in the caption thereof.

Dated: 6-6-61 Fred W. Lawrence - City Auditor

By W. J. Lawrence, Deputy

I, Phillip Acker, City Clerk of the City of San Diego, California, hereby certify that the Council of said City has approved this map of CLAREMONT MESA SOUTH UNIT No. 1, consisting of 5 sheets and described in the caption thereof, and has accepted on behalf of the public the walkway as shown on this map within this subdivision.

In Witness Whereof said Council has caused these presents to be executed by the City Clerk and attested by its seal this 22nd day of June, 1961.

Phillip Acker, City Clerk

By Pauline Hansen, Deputy

NOTE: Notary Acknowledgments are on sheet - 2.

FRED S. LEADS, AS HOLDER OF REVERSIONARY RIGHT

By Fred S. Leads

TAVARES CONSTRUCTION COMPANY, as holder of reversionary rights

By Paulo Tavares, President By John N. Gray, Secretary

Order No. 78705

Union Title Insurance Company hereby certifies that according to the Official Records of the County of San Diego, California, on the 22nd day of June, 1961, at 8:00 A.M., Longford Building Company, a limited partnership, as owner, Fred S. Leads and Tavares Construction Company as holders of reversionary rights as contained in those certain conditions and restrictions recorded October 24, 1950 as Document 210360, Book 1, series 1960 of Official Records.

in the Office of the County Recorder of San Diego County, California, were all the owners and the only persons interested in and whose consent was necessary to cause a clear title to the land embraced within the subdivision to be known as CLAREMONT MESA SOUTH UNIT No. 1, as shown on this Map consisting of 5 sheets, and particularly described in the caption thereof.

In Witness Whereof said Union Title Insurance Company has caused this instrument to be executed under its corporate name and seal by its proper officers thereunto duly authorized the day and year in this certificate first above written.

UNION TITLE INSURANCE COMPANY
By Pauline Hansen, Vice President By John N. Gray, Assistant Secretary

We, County Treasurer of the County of San Diego, California, County Surveyor of said County, and Director of Public Works of said County, hereby certify that there are no unpaid special assessments or bonds which may be paid in full shown by the books of our offices against the tract or subdivision, or any part thereof shown on the annexed map and described in the caption thereof.

Delevon J. Dickson, County Treasurer

By Delevon J. Dickson, Deputy

Dated: June 6, 1961

D.M. Spear, County Surveyor

By D.M. Spear, Deputy

Dated: 6-6-61

John L. Winans, County Director of Public Works

By W.K. Bandy, Deputy

Dated: 6/6/61

We, the undersigned hereby certify that we have carefully examined each lot of the subdivision shown on the annexed map as to its value for residential or commercial purposes and we find said subdivision suitable for such purposes.

City Engineer

By E.F. Spaulding

Dated: June 16, 1961

City Planning Director

By Harold J. Hadden, Deputy

Dated: June 18, 1961

I, Henry S. Gierlich hereby certify that I am a Registered Civil Engineer of the State of California that the survey of this subdivision was made by me or under my direction between April, 1961 and June, 1961, and that the survey is true and correct as shown. Unless otherwise noted on this map, a two (2) inch dia. pipe twenty four (24) inches in length has been set of each boundary corner and I will set three quarter (3/4) inch pipes eighteen (18) inches in length at all interior lot corners and lead and stakes of an offset of two (2) feet in the sidewalk to mark all lot corners, angle points and points of curve along dedicated streets. Said offsets to be at right angles to the property lines or roads to the point of curves. However where the side-line of the lot is not parallel to nor at right angles to the front property line, I will set a three quarter (3/4) inch pipe eighteen (18) inches in length of the truss for corner. Said monuments will be set within thirty (30) days after the completion of the required improvements and their acceptance by the City, and such monuments, one or will be sufficient to enable the survey to be retraced and will occupy the positions shown hereon.

Dated: June 2, 1961 Henry S. Gierlich
Henry S. Gierlich - Registered Civil Engineer #11519

I, E.F. Gabrielson, City Engineer of the City of San Diego, California, hereby certify that I have examined the annexed map of this subdivision to be known as CLAREMONT MESA SOUTH UNIT No. 1, consisting of 5 sheets and described in the caption thereof, and have found that the design is substantially the same as it appeared on the tentative map and any approved alterations thereof; that all the provisions of the Subdivision Map Act of 1943 of the State of California, as amended, and of any local ordinance of said City applicable at the time of the approval of the tentative map have been complied with, and I am satisfied that said map is technically correct. I hereby approve and recommend the said map.

Dated: June 16, 1961 E.F. Gabrielson
E.F. Gabrielson - City Engineer

We, J.P. Feeley, City Treasurer, and J.R. Casey, Street Superintendent, both of the City of San Diego, California, hereby certify that there are no unpaid bonds issued under the Street Improvement Acts of the State of California against the tract or subdivision, or any part thereof as shown on the annexed map consisting of 5 sheets and described in the caption thereof.

Dated: June 6, 1961 J.P. Feeley, City Treasurer
By J.P. Feeley, Deputy

Dated: June 6, 1961 J.R. Casey, Street Superintendent
By J.R. Casey, Deputy

I, Roger N. Howe, County Recorder of the County of San Diego, California, hereby approve the name CLAREMONT MESA SOUTH UNIT No. 1 for the subdivision shown on the annexed map consisting of 5 sheets and described in the caption thereof.

Dated: JUNE 2, 1961 Roger N. Howe, County Recorder
By Roger N. Howe, Deputy

I, R.B. James, Clerk of the Board of Supervisors of the County of San Diego, California, hereby certify that the provisions of Chapter 2, Part 2, Division 4, of the Business and Professions Code of the State of California as amended have been complied with regarding deposits for taxes on the property within this subdivision.

Dated: JUNE 2, 1961 R.B. James, Clerk of the Board of Supervisors
By R.B. James, Deputy

Approved this 22nd day of June, 1961, after examination of map and certificates thereon.

By George M. Bandy, Deputy

FILE NO. 107159
I, Roger N. Howe, County Recorder of the County of San Diego, California, hereby certify that I have accepted for recordation this map filed at the request of Henry S. Gierlich, this 22nd day of JUNE, 1961, at 10:00 A.M.

Roger N. Howe, County Recorder
By Roger N. Howe, Deputy

FEE: \$13.00

Map 4800 of 5

INDEX 2-13
5 1961

MICROFILMED AT
1411 BOSTON

MAP NO. 4800

SHEET 2 OF 5 SHEETS

CLAIREMONT MESA SOUTH
UNIT NO 1

STATE OF CALIFORNIA } S.S.
COUNTY OF SAN DIEGO }

On June 13th, 1961, before me, the undersigned a Notary Public in and for said County and State, personally appeared FRID S. Lacey known to me to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same.

In Witness Whereof, I have hereunto set my hand and affixed my Notarial Seal, the day and year in this certificate first above written.

My commission expires 7-19-63
[Signature]
Notary Public in and for said County State
A. E. Lord

STATE OF CALIFORNIA } S.S.
COUNTY OF SAN DIEGO }

On June 8, 1961, before me, the undersigned a Notary Public in and for said County and State, personally appeared Carlos Favores known to me to be the President and Jesse W. Stagg known to me to be the Secretary of Tovares Construction Company, a corporation, the corporation that executed the within instrument and known to me to be the persons who executed the within instrument on behalf of the corporation therein named and acknowledged to me that such corporation executed the within instrument pursuant to its By-Laws or a Resolution of its Board of Directors.

In Witness Whereof, I have hereunto set my hand and affixed my Notarial Seal, the day and year in this certificate first above written.

My commission expires July 28, 1964
[Signature]
Notary Public in and for said County and State
HELD E. MINNING

PR. ION
JUL 5 1961
MICR. ILMED

| | |
|-------|-------|
| T.M. | 61-20 |
| W.D. | 75505 |
| INDEX | 7-13 |

Map 4800 2 of 5

MICROFILMED AT

15-1 REJECTION

MAP NO 4800

SHEET 5 OF 5 SHEETS

CLAIREMONT MESA SOUTH

UNIT NO. 1

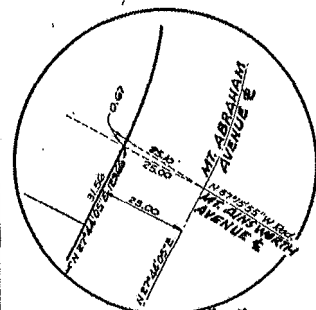
SEE SHEET NO. 4

POR. PUEBLO LOT 1221

POR. PUEBLO LOT 1220

POR. PUEBLO LOT 1213

POR. PUEBLO LOT 1212



DETAIL A SCALE

Scale: 1" = 50'

| | |
|-------|--------|
| T.M. | 6-38 |
| W.O. | 76 504 |
| INDEX | F-13 |

Map 4800 5 of 5

213-04

5 1981

FILMED

189 Page

SAN CLEMENTE UNIT No 1

Being a portion of Pueblo Lot 1249 of the Pueblo Lands of San Diego, in the County of San Diego, State of California according to the Map by Pascoe in 1870, filed in the Office of the County Recorder of San Diego County, as Miscellaneous Maps No. 38.

We hereby certify that we are the owners of, or are interested in, the land embraced within the subdivision to be known as SAN CLEMENTE UNIT No 1, and we hereby consent to the preparation and recordation of this map consisting of 4 sheets and described in the caption thereof. We hereby dedicate to public use, Locust Street, Locust Place, the walkway and the easements with the right of ingress and egress for the construction and maintenance of sewer mains, as shown on the map within the subdivision. Reserving, however, to the owner of the fee underlying any easement herein dedicated the continued use of the surface of the said real property subject, however, to the following conditions: the erecting of buildings, masonry walls, masonry fences and other structures, or the planting or growing of trees or shrubs; or the changing the surface grade, or the installation of privately owned pipe lines shall be prohibited unless written permission is first obtained from the City of San Diego.

J. C. DEVELOPMENT COMPANY, a joint venture,
a married man
COWELL COMPANY, a corporation,
J. C. DEVELOPMENT COMPANY, a corporation, as trustee,
COWELL COMPANY, a corporation, as trustee,
J. C. DEVELOPMENT COMPANY, a corporation, as trustee.

STATE OF CALIFORNIA, On this 12th day of July, 1961, before me, County of San Diego, I, James J. Brennan, a Notary Public in and for said County and State, personally appeared FRANK S. JACKSON, known to me to be the joint venturer of the J.C. Development Company, the joint venture that executed the within instrument and known to me to be the person who executed the same on behalf of said joint venture, and acknowledged to me that said joint venture executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Notarial Seal, this day and year in this certificate first above written.

Notary Public in and for the County and State of California, James J. Brennan, Secretary

STATE OF CALIFORNIA, On this 12th day of July, 1961, before me, County of San Diego, I, James J. Brennan, a Notary Public in and for said County and State, personally appeared JOSEPH R. SULLIVAN, known to me to be Vice President and FLORENCE LEWIS, known to me to be Secretary of the COWELL COMPANY, a corporation, the corporation that executed the within instrument as a joint venturer of the J.C. Development Company, and pursuant to the by-laws or a resolution of the Board of Directors of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Notarial Seal, this day and year in this certificate first above written.

Notary Public in and for the County and State of California, James J. Brennan, Secretary

STATE OF CALIFORNIA, On this 12th day of July, 1961, before me, County of San Diego, I, James J. Brennan, a Notary Public in and for said County and State, personally appeared STEWARD R. STAN, known to me to be Vice President and FLORENCE LEWIS, known to me to be Secretary of the COWELL COMPANY, a corporation, the corporation that executed the within instrument as trustee and known to me to be the persons who executed the same on behalf of said corporation and acknowledged to me that said corporation executed the same as trustee, pursuant to its by-laws or a resolution of its Board of Directors.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Notarial Seal, this day and year in this certificate first above written.

Notary Public in and for the County and State of California, James J. Brennan, Secretary

Order No 624944-L

FIRST AMERICAN TITLE COMPANY OF SAN DIEGO hereby certifies that according to the official Record of San Diego County, State of California, on the 12th day of July, 1961, at 8:00 o'clock, J. C. DEVELOPMENT COMPANY, a joint venture, as owners, and the COWELL COMPANY, as Trustee under that certain Deed of Trust, recorded May 13, 1961 as Document No 85227, Book 1361, Series 2 of Official Records in the office of the County Recorder of San Diego County, California, were all the owners and the only persons interested in and whose consent was necessary to pass a clear title to the land embraced within the subdivision to be known as San Clemente Unit No. 1 as shown on this map consisting of 4 sheets, and particularly described in the caption thereof, other than the City of San Diego, owner of easements for storm drains, by deeds recorded September 12, 1958 in Book 7252, pages 519 and 521 of Official Records, which cannot ripen into a fee.

IN WITNESS WHEREOF, said FIRST AMERICAN TITLE COMPANY OF SAN DIEGO has caused this instrument to be executed under its Corporate name and Seal by its proper officers thereunto duly authorized the day and year in this certificate first above written.

FIRST AMERICAN TITLE COMPANY OF SAN DIEGO
By George L. Smith, Secretary

STATE OF CALIFORNIA, On this 12th day of July, 1961, before me, County of San Diego, I, James J. Brennan, a Notary Public in and for said County and State, personally appeared STEWARD R. STAN, known to me to be Vice President and FLORENCE LEWIS, known to me to be Secretary of the COWELL COMPANY, a corporation, the corporation that executed the within instrument as trustee and known to me to be the persons who executed the same on behalf of said corporation and acknowledged to me that said corporation executed the same as trustee, pursuant to its by-laws or a resolution of its Board of Directors.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Notarial Seal, this day and year in this certificate first above written.

Notary Public in and for the County and State of California, James J. Brennan, Secretary

Approved this 13th day of July, 1961, after examination of map and certificates thereon.

Alan M. Firestone

CITY ATTORNEY

By: Robert D. Cassey

CITY DEPUTY

Approved and recommended this 7th day of July, 1961, after examination of map and certificates thereon.

CITY PLANNING COMMISSION OF THE CITY OF SAN DIEGO, CALIFORNIA.
By: Robert D. Cassey, President
By: Robert D. Cassey, Secretary

I, F. GABRIELSON, CITY ENGINEER of the City of San Diego, California, hereby certify that I have examined the annexed map of this subdivision to be known as SAN CLEMENTE UNIT No. 1, consisting of 4 sheets and described in the caption thereof, and have found that the design is substantially the same as it appeared on the tentative map and any approved alterations thereof; that all the provisions of the Subdivision Map Act of 1943 of the State of California, as amended, and of any local ordinance of said City applicable at the time of the approval of the tentative map have been complied with, and I am satisfied that said map is technically correct. I hereby approve and recommend said map.

Dated: July 6, 1961.

F. P. Anderson

CITY ENGINEER

We, COUNTY TREASURER of the County of San Diego, California, COUNTY SURVEYOR of said County, and DIRECTOR OF PUBLIC WORKS of said County, hereby certify that there are no unpaid special assessments or bonds which may be paid in full shown by the books of our offices against the tract or subdivision, or any part thereof, shown on the annexed map and described in the caption thereof.

Dated: July 6, 1961.

Dated: 6-20, 1961.

Dated: 6-20, 1961.

Dated: 6-20, 1961.

Dated: 6-20, 1961.

Dated: 6-20, 1961.

Dated: 6-20, 1961.

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Dated: 6-20, 1961.

Dated: 6-20, 1961.

Dated: 6-20, 1961.

Dated: 6-20, 1961.

Dated: 6-20, 1961.

I, ROGER N. HOWE, COUNTY RECORDER of the County of San Diego, California, hereby approve the name SAN CLEMENTE UNIT No 1 for the subdivision shown on the annexed map consisting of 4 sheets and described in the caption thereof.

Dated: JUNE 24, 1961.

ROGER N. HOWE

COUNTY RECORDER

By: Robert D. Cassey

DEPUTY

We, G. J. FEILEY, CITY TREASURER, and J. P. CASEY, STREET SUPERINTENDENT, both of the City of San Diego, California, hereby certify that there are no unpaid bonds issued under the Street Improvement Acts of the State of California against the tract or subdivision, or any part thereof, as shown on the annexed map consisting of sheets and described in the caption thereof.

G. J. FEILEY, CITY TREASURER, J. P. CASEY, STREET SUPERINTENDENT
By: Robert D. Cassey, Deputy
By: Robert D. Cassey, Deputy

We the undersigned hereby certify that we have carefully examined each lot of the subdivision shown on the annexed map as to its value for residential or commercial purposes and we find said subdivision suitable for such purposes.

F. GABRIELSON, CITY ENGINEER, H. C. HAYES, CITY PLANNING DIRECTOR
By: Robert D. Cassey, Deputy
By: Robert D. Cassey, Deputy

Dated: July 6, 1961. Dated: July 12, 1961.

I, FRED W. LAWRENCE, CITY AUDITOR of the City of San Diego, California, hereby certify that there are no liens for unpaid City taxes or unpaid bonds issued under the Improvement Bond Act of 1915, Statutes of 1915, page 441, State of California, shown by the books of this office, except taxes not yet payable against the tract or subdivision, or any part thereof, shown on the annexed map consisting of 4 sheets and described in the caption thereof.

Dated: 6-22, 1961.

FRED W. LAWRENCE

CITY AUDITOR

I, R. B. JAMES, CLERK OF THE BOARD OF SUPERVISORS of the County of San Diego, California, hereby certify that the provisions of Chapter 2, part 2, Division 4, of the Business and Professions Code of the State of California as amended, have been complied with regarding deposits for taxes on the property within the subdivision.

Dated: 6-22, 1961.

R. B. JAMES

CLERK OF THE BOARD OF SUPERVISORS

I, PHILLIP ACKER, CITY CLERK of the City of San Diego, California, hereby certify that the Council of said City has approved this map of SAN CLEMENTE UNIT No 1, consisting of 4 sheets and described in the caption thereof, and has accepted on behalf of the public, Locust Street, Locust Place, the walkway and the easements with the right of ingress and egress for the construction and maintenance of sewer, and drainage as shown on this map within the subdivision. Reserving, however, to the owner of the fee underlying any easement herein dedicated the continued use of the surface of the said real property subject, however, to the following conditions:

The erecting of buildings, masonry walls, masonry fences and other structures, or the planting or growing of trees or shrubs, or changing the surface grade, or the installation of privately owned pipe lines shall be prohibited unless written permission is first obtained from the City of San Diego.

IN WITNESS WHEREOF, said Council has caused these provisions to be executed by the City Clerk and attested by its seal this 22nd day of July, 1961.

PHILLIP ACKER
By: Robert D. Cassey, Deputy

I, A. S. GRAY, COUNTY RECORDER of the County of San Diego, California, hereby certify that there are no unpaid bonds issued under the Improvement Bond Act of 1915, Statutes of 1915, page 441, State of California, shown by the books of this office, except taxes not yet payable against the tract or subdivision, or any part thereof, shown on the annexed map consisting of 4 sheets and described in the caption thereof.

A. S. GRAY, COUNTY RECORDER
By: Robert D. Cassey, Deputy

FREELAND, EVENSON, CHRISTENSEN & BOAS, JOHN A. BOAS
Fanchid Index C-10 TM. GO-157
W.O. 76425

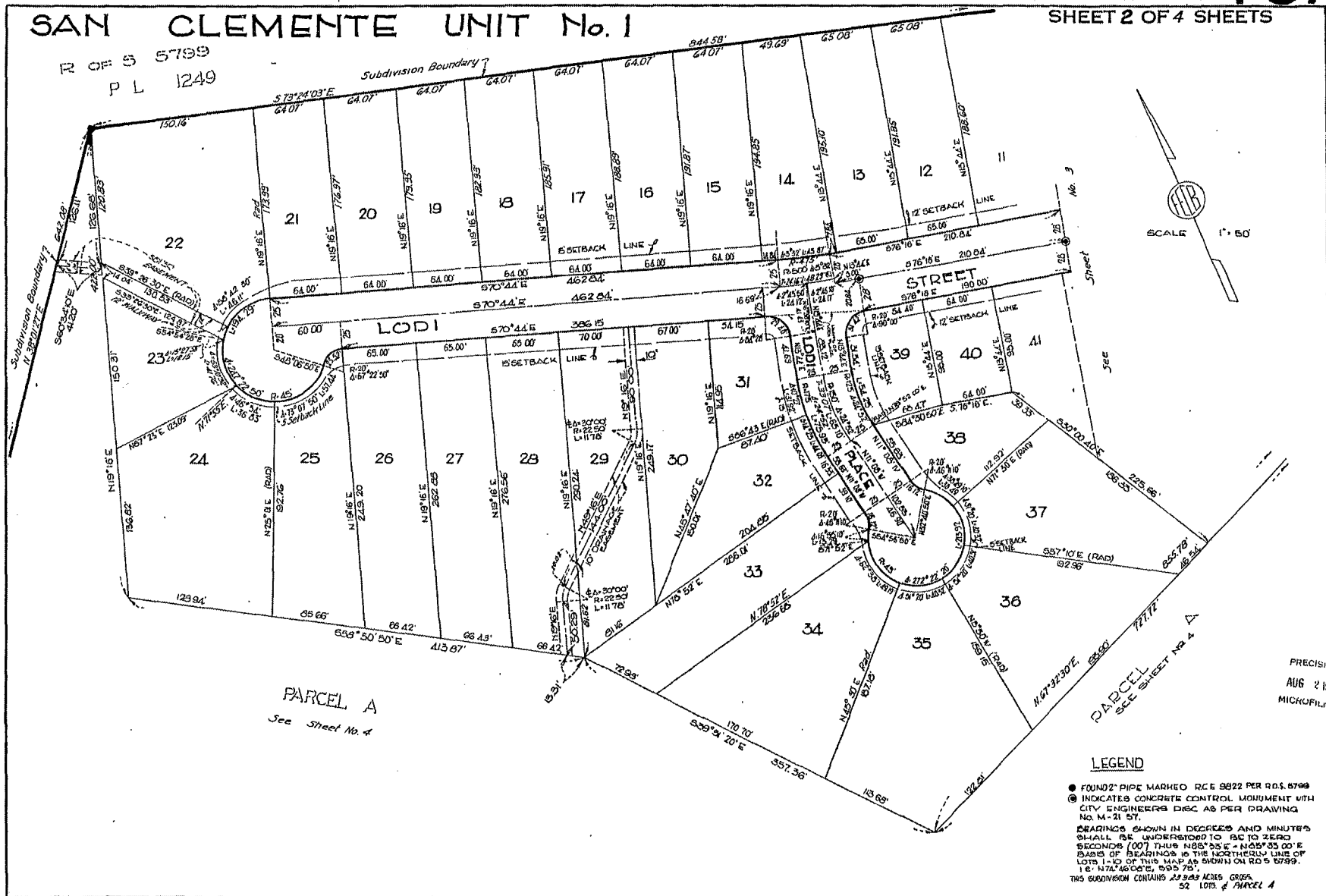
Map 4814 1 of 4

15:1 REDUCTION

MAP NO. **4814**
SHEET 2 OF 4 SHEETS

SAN CLEMENTE UNIT No. 1

R OF S 5799
P L 1249



SCALE 1" = 50'

PARCEL A
See Sheet No. 4

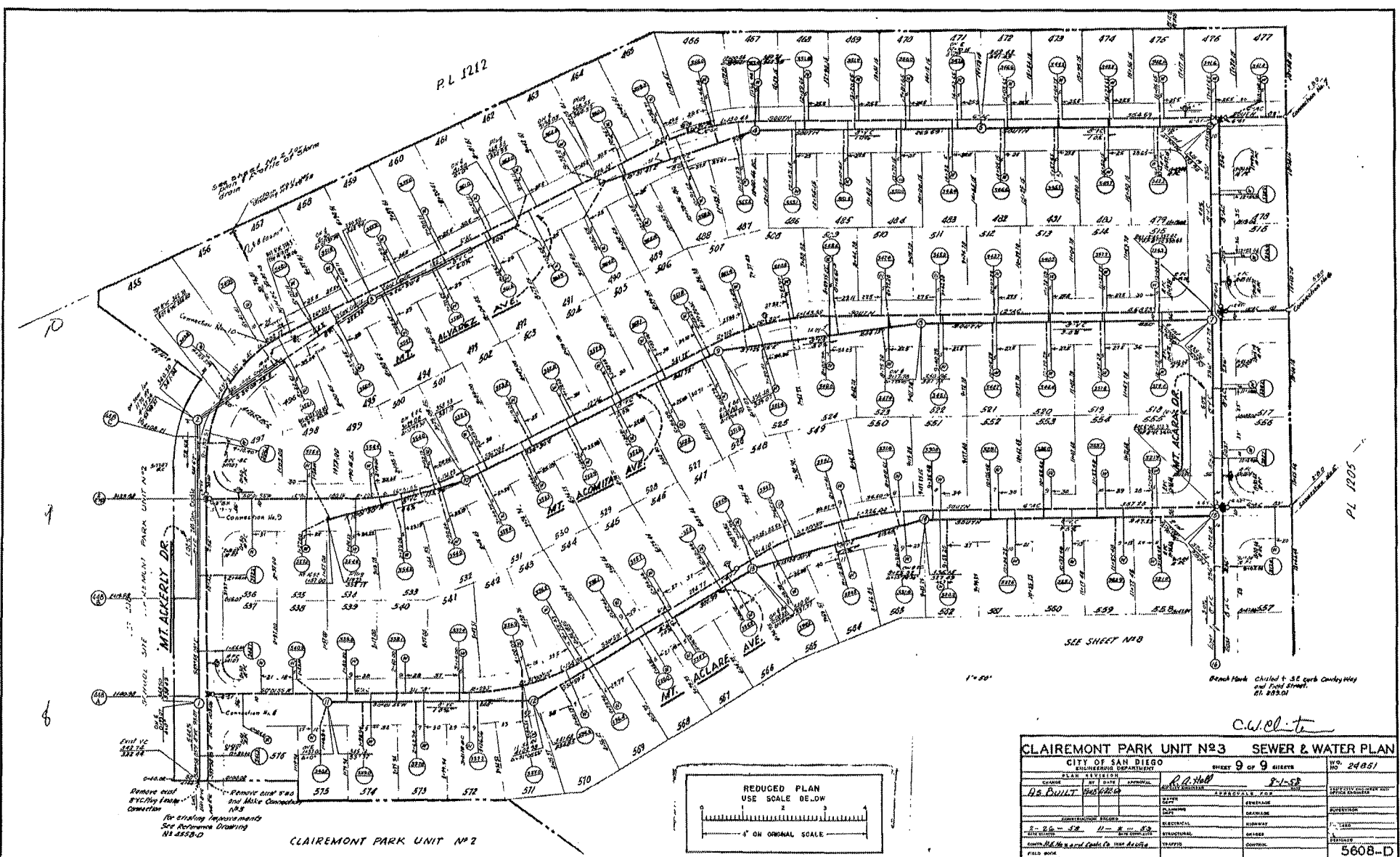
LEGEND

- FOUND 2" PIPE MARKED RCE 5822 PER R.O.S. 5799
- ⊙ INDICATES CONCRETE CONTROL MONUMENT WITH CITY ENGINEERS DEC AS PER DRAWING NO. M-21 57.
- BEARINGS SHOWN IN DEGREES AND MINUTES SHALL BE UNDERSTOOD TO BE TO ZERO SECONDS (00") UNLESS NOTED OTHERWISE.
- BASES OF BEARINGS IS THE NORTH-SOUTH LINE OF LOTS 1-10 OF THIS MAP AS SHOWN ON R.O.S. 5799.
- 1" = 774.46000', 525.75'
- THIS SUBDIVISION CONTAINS 23.385 ACRES GROSS.
- 52 LOTS & PARCEL A

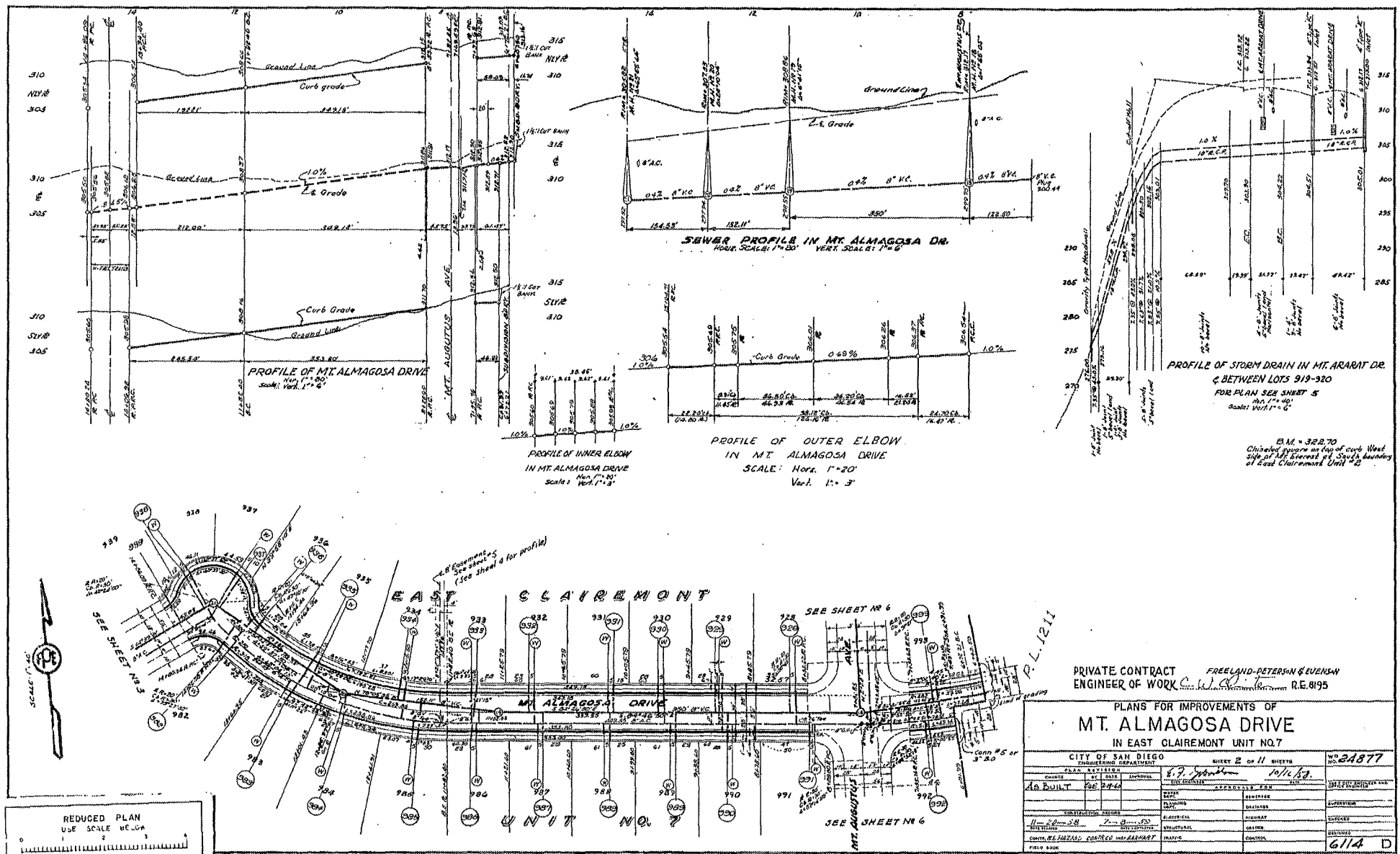
PRECISION
AUG 2 1951
MICROFILMED

FREELAND EVENSON CHRISTENSEN & BOAS A-4000
FAIRCHILD INDEX D-10 T.M. 60-157
W.O. 76425

Map 4814 2 of 4



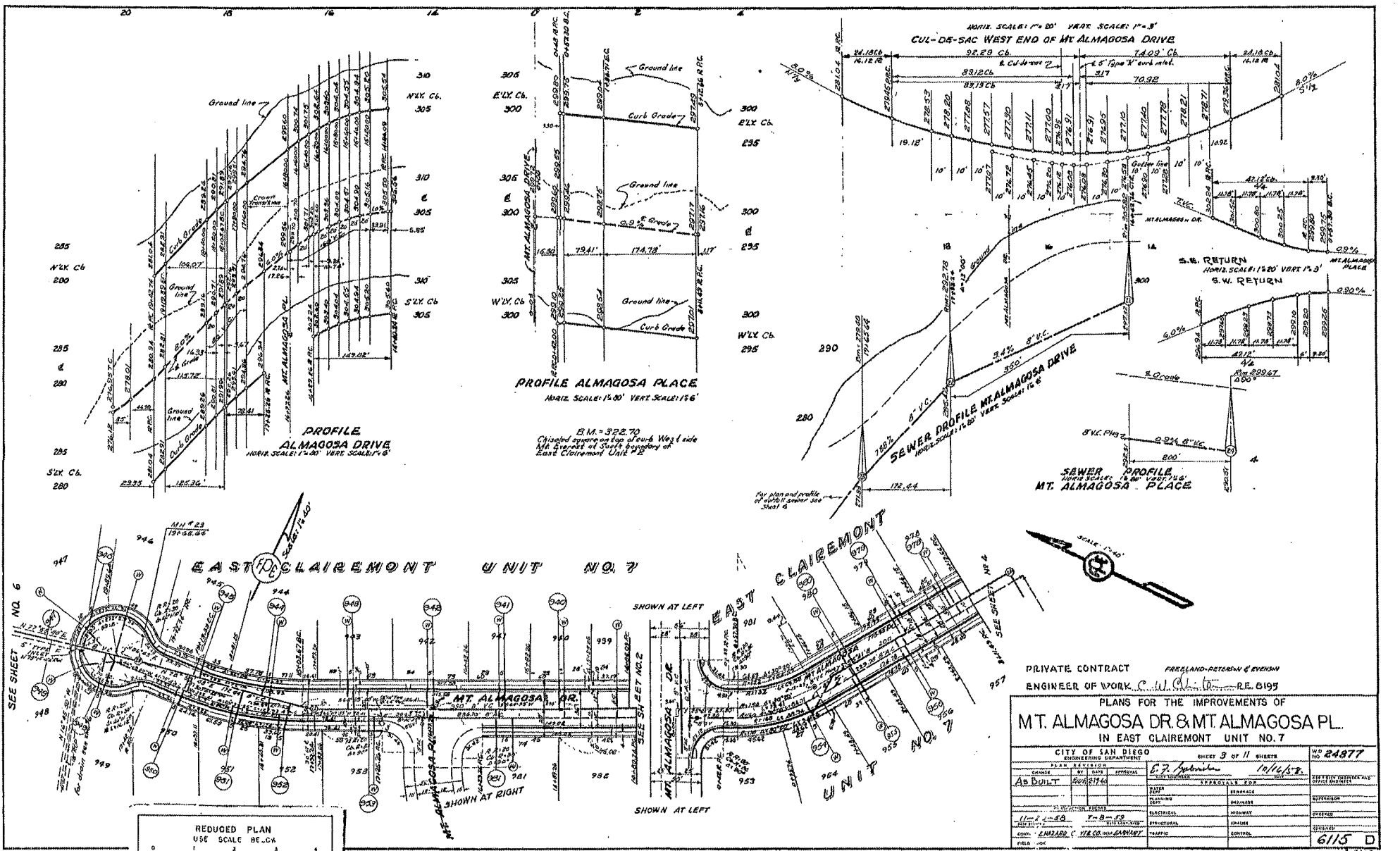
| | | | |
|--|---------------------|------------|-------------|
| CLAIEMONT PARK UNIT #3 SEWER & WATER PLAN | | | |
| CITY OF SAN DIEGO | | | |
| ENGINEERING DEPARTMENT | | | |
| PLAN SECTION | SHEET 9 OF 9 SHEETS | NO. 24851 | |
| DATE | DATE | DATE | DATE |
| DESIGNED BY | DRAWN BY | CHECKED BY | APPROVED BY |
| PROJECT NO. | DRAWING NO. | DATE | |
| CONSTRUCTION NOTES | ELECTRICAL | MECHANICAL | CIVIL |
| PLUMBING | PAVING | SEWER | WATER |
| VALVE | MANHOLE | CONDUIT | |
| DATE: 5/1/53 | | | 5608-D |



PRIVATE CONTRACT FREELAND-PETERSON & QUENEN
ENGINEER OF WORK C.W. & P. R.E. 8195

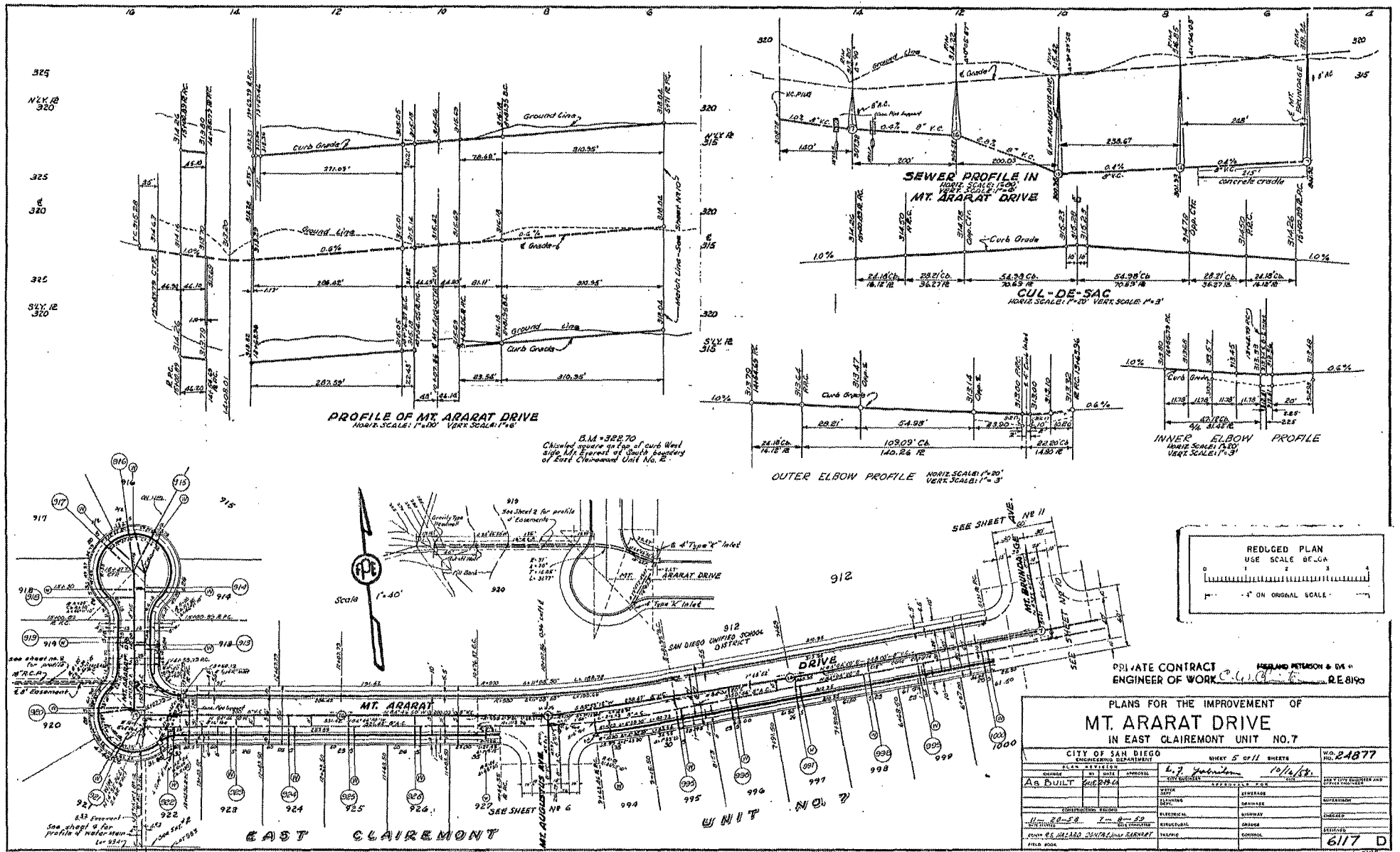
PLANS FOR IMPROVEMENTS OF
MT. ALMAGOSA DRIVE
IN EAST CLAIREMONT UNIT NO. 7

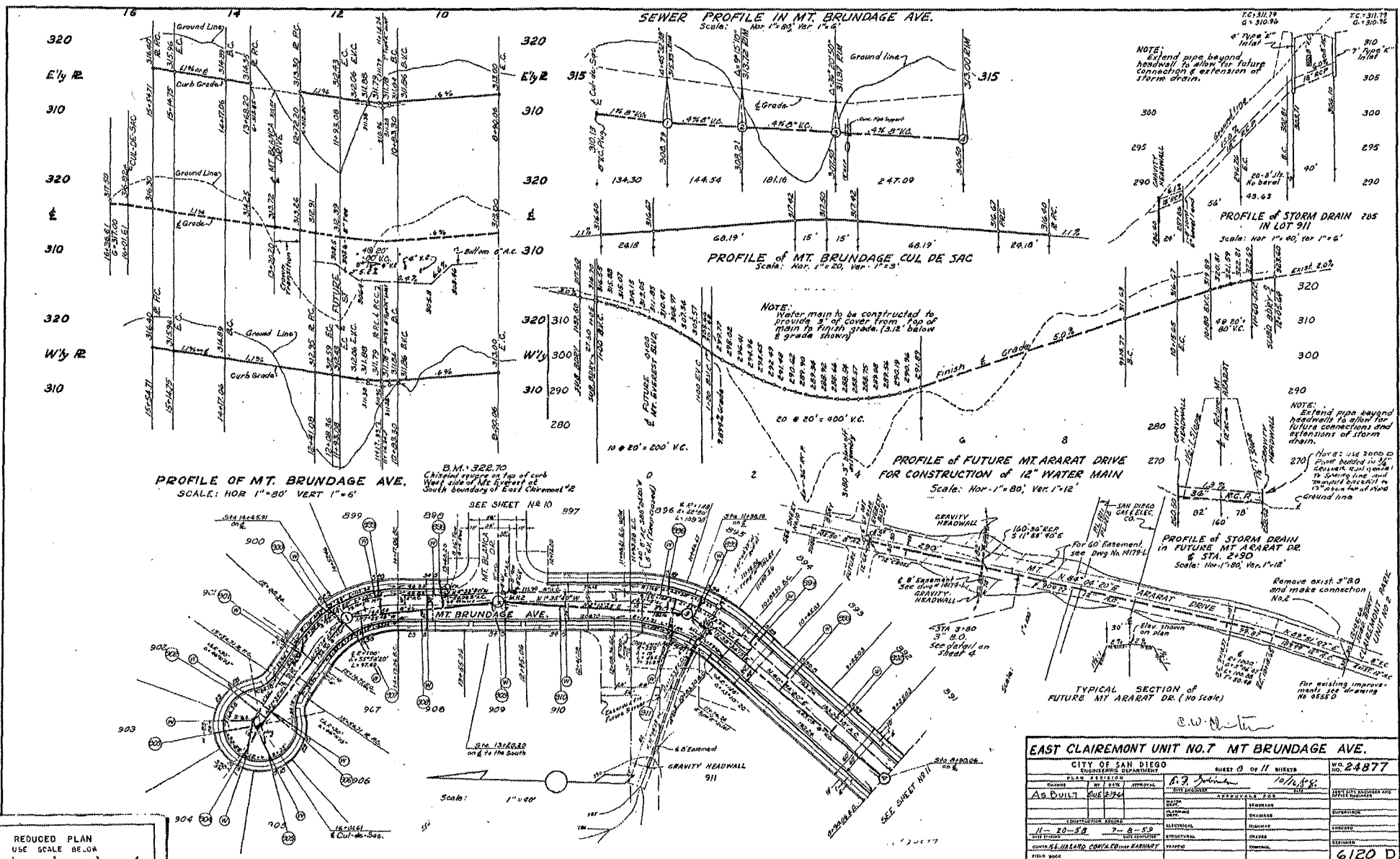
| | | | | | | | |
|--------------------|-------------|------------------------|----------|-----------------------|----------|-----------|----------|
| CITY OF SAN DIEGO | | ENGINEERING DEPARTMENT | | SHEET 22 OF 11 SHEETS | | NO. 24877 | |
| DATE | APPROVED | DESIGNED | CHECKED | DATE | BY | DATE | BY |
| As BUILT | See 2/4/44 | E. P. Peterson | 10/16/62 | | | | |
| CONSTRUCTION NOTES | PLACEMENT | CONCRETE | PAVING | CONCRETE | PAVING | CONCRETE | PAVING |
| 11-20-58 | 11-20-58 | 11-20-58 | 11-20-58 | 11-20-58 | 11-20-58 | 11-20-58 | 11-20-58 |
| CONTRACT NO. | PROJECT NO. | DATE | BY | DATE | BY | DATE | BY |
| | | | | | | | |
| DATE FILMED | | | | | | 6114 | |



PRIVATE CONTRACT
 ENGINEER OF WORK: C. W. Blanton R.E. 6195
 PLANS FOR THE IMPROVEMENTS OF
MT. ALMAGOSA DR & MT ALMAGOSA PL.
 IN EAST CLAIREMONT UNIT NO. 7

| | | | |
|---|-------------------|----------------------|-----------|
| CITY OF SAN DIEGO ENGINEERING DEPARTMENT | | SHEET 3 OF 11 SHEETS | NO. 24877 |
| DESIGNED BY | CHECKED BY | DATE | |
| APPROVED BY | | 10/16/58 | |
| CONTRACT NO. | PROJECT NO. | DATE | |
| 11-1-58 | 1-8-58 | | |
| CONTRACTOR | ENGINEER | DATE | |
| LANZARD & COMPANY | LANZARD & COMPANY | | |
| | | | 6115 |

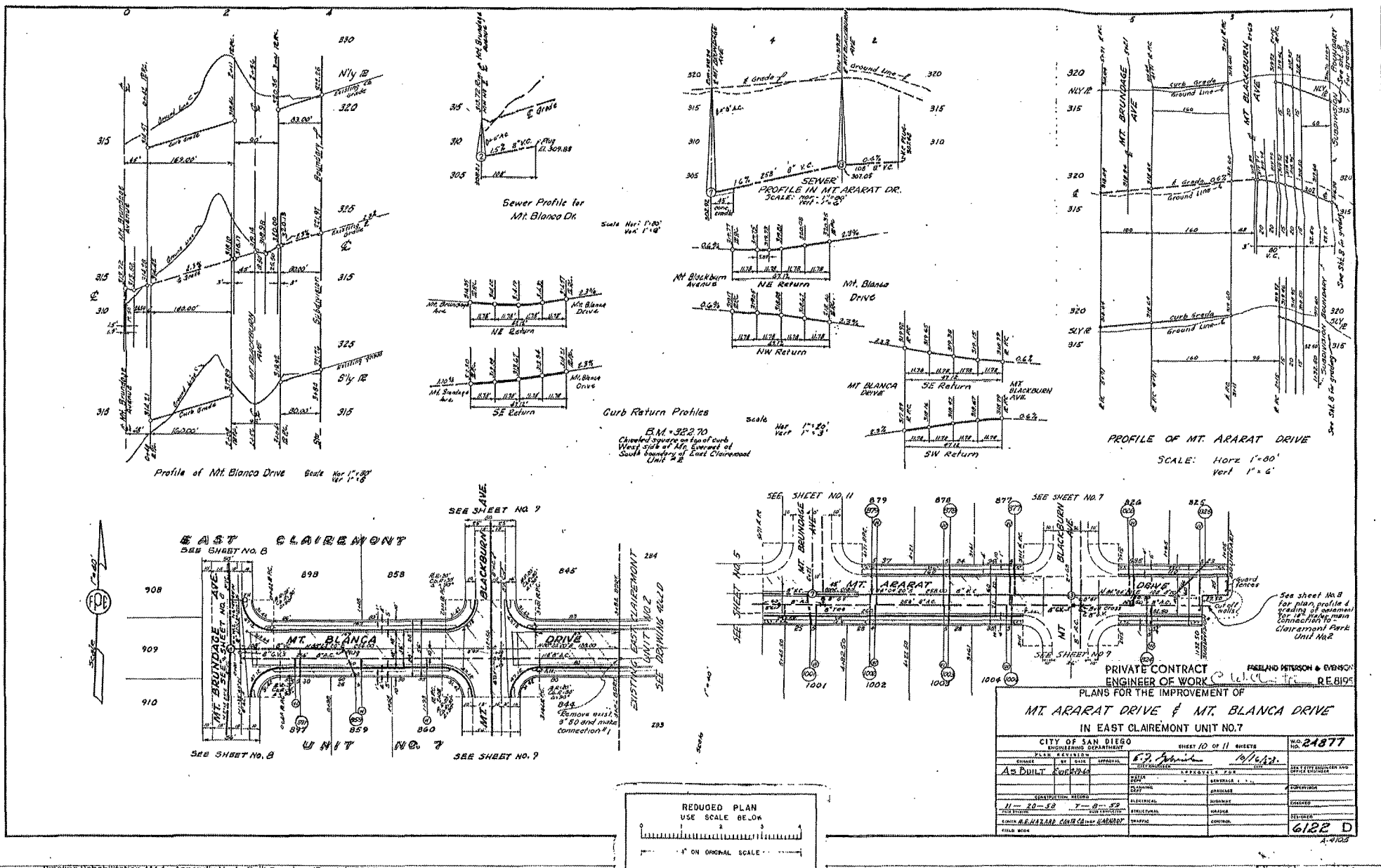


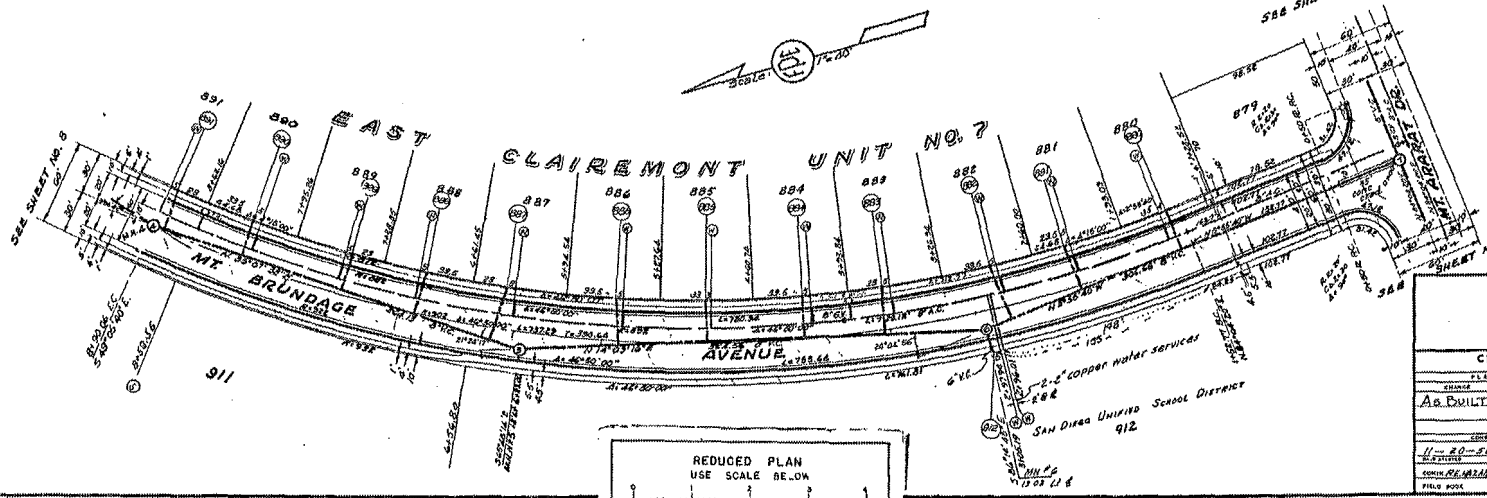
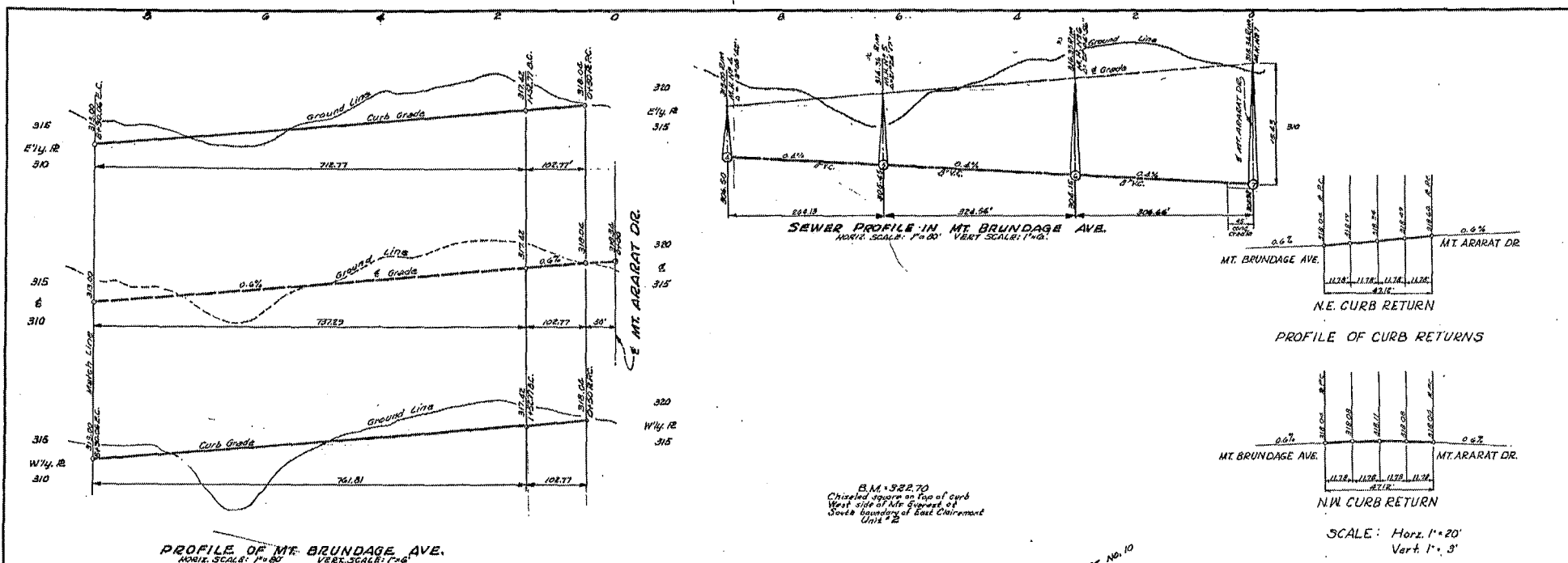


| EAST CLAIREMONT UNIT NO. 7 MT. BRUNDAGE AVE. | | | |
|--|--------------|---------------|----------|
| CITY OF SAN DIEGO | | | |
| ENGINEERING DEPARTMENT | | | |
| PLAN | REVISION | DATE | BY |
| AS BUILT | | | |
| CONSTRUCTION RECORD | | | |
| 11-20-58 | | | |
| 11-20-58 | | | |
| CONTRACT | CONTRACT NO. | CONTRACT NAME | |
| FIELD BOOK | | | |
| SHEET 8 OF 11 SHEETS | | | WC 24877 |
| APPROVED | | | DATE |
| SUPERVISOR | | | DATE |
| ENGINEER | | | DATE |
| CHECKED | | | DATE |
| DRAWN | | | DATE |
| 6120 D | | | |

REDUCED PLAN
USE SCALE BELOW

4' ON ORIGINAL SCALE



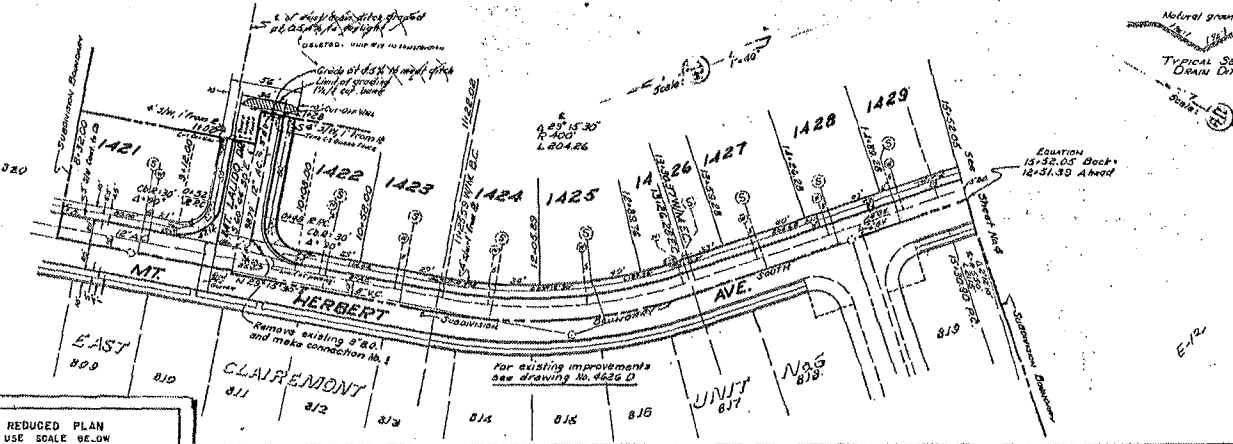
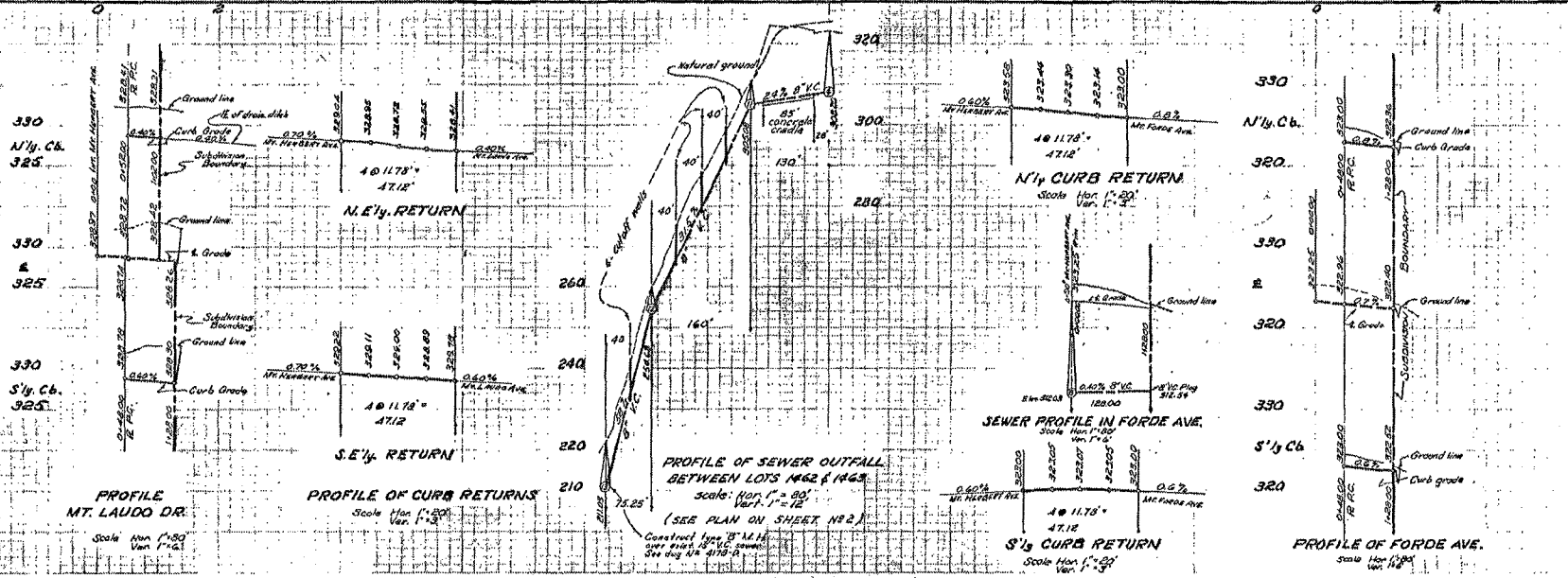


PRIVATE CONTRACT ENGINEER OF WORK
 FREELAND, PETERSON & EVANS+M
 C.W. Clifton R.E. 8195

**PLANS FOR THE IMPROVEMENT OF
 MT. BRUNDAGE AVENUE
 IN EAST CLAIREMONT UNIT NO. 7**

| | | | |
|---|-------------|-----------------------|-----------|
| CITY OF SAN DIEGO ENGINEERING DEPARTMENT | | SHEET 11 OF 11 SHEETS | NO. 24877 |
| DESIGNED BY | APPROVED BY | DATE | |
| AS BUILT | DATE | APPROVAL | |
| CONSTRUCTION RECORD | REVISIONS | DATE | |
| FILE NO. | DATE | BY | |

6123 D



EAST CLAREMONT, MT. FORDE AVE. UNIT No. 13, MT. LAUDO DR.

| | | | | | | | |
|-------------------|------------|------------------------|-------------------------|---------------------|------------|-------------|-------------------------|
| CITY OF SAN DIEGO | | ENGINEERING DEPARTMENT | | SHEET 5 OF 5 SHEETS | | NO. 76039 | |
| DATE | 1/27/19 | DESIGNED BY | J.P. Smith | CHECKED BY | J.P. Smith | DATE | 1/27/19 |
| AS BUILT | 1/27/19 | DATE | 1/27/19 | SCALE | AS SHOWN | PROJECT NO. | 13717 |
| ENGINEER | J.P. Smith | ARCHITECT | WINTON | CONTRACT NO. | 13717 | CLIENT | MT. LAUDO DR. UNIT 13 |
| DATE | 1/27/19 | PROJECT | PIPELINE REHABILITATION | LOCATION | CLAREMONT | DESCRIPTION | PIPELINE REHABILITATION |
| DATE | 1/27/19 | PROJECT | PIPELINE REHABILITATION | LOCATION | CLAREMONT | DESCRIPTION | PIPELINE REHABILITATION |
| DATE | 1/27/19 | PROJECT | PIPELINE REHABILITATION | LOCATION | CLAREMONT | DESCRIPTION | PIPELINE REHABILITATION |
| DATE | 1/27/19 | PROJECT | PIPELINE REHABILITATION | LOCATION | CLAREMONT | DESCRIPTION | PIPELINE REHABILITATION |
| DATE | 1/27/19 | PROJECT | PIPELINE REHABILITATION | LOCATION | CLAREMONT | DESCRIPTION | PIPELINE REHABILITATION |
| DATE | 1/27/19 | PROJECT | PIPELINE REHABILITATION | LOCATION | CLAREMONT | DESCRIPTION | PIPELINE REHABILITATION |
| DATE | 1/27/19 | PROJECT | PIPELINE REHABILITATION | LOCATION | CLAREMONT | DESCRIPTION | PIPELINE REHABILITATION |

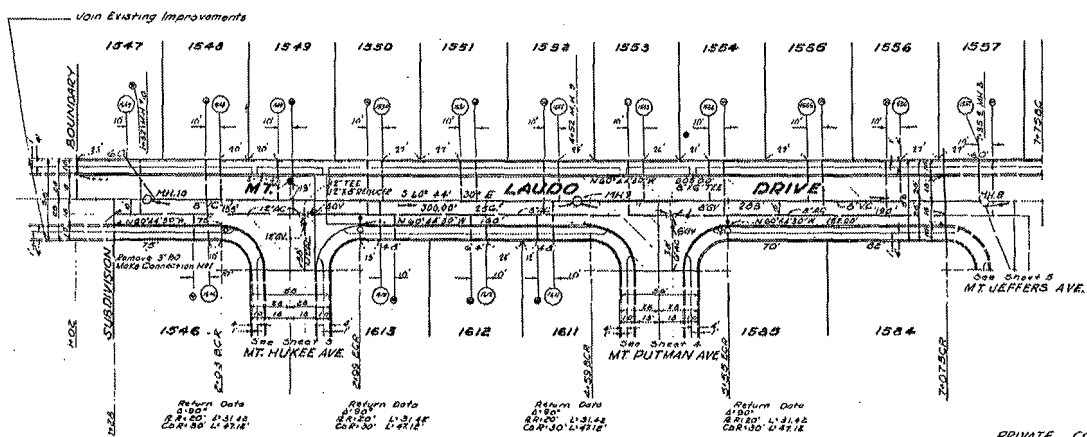
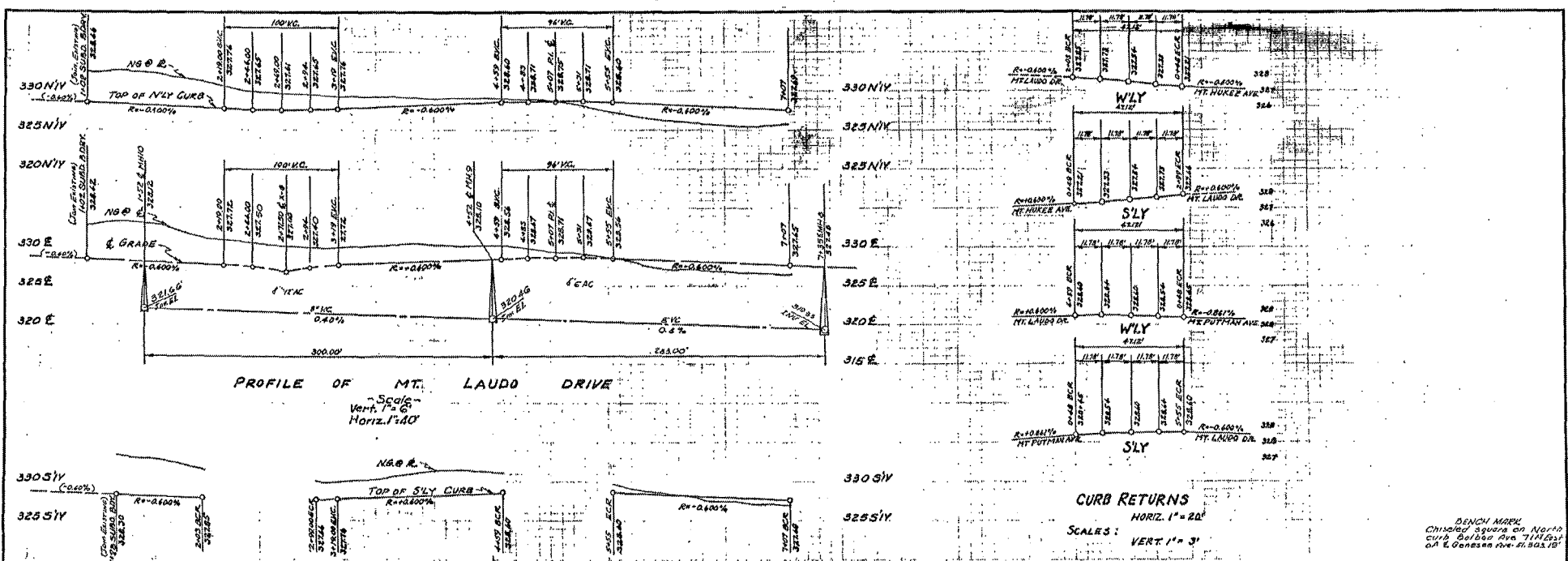
NOT RECORDED
MAY - 1983

INDEXED
MAY - 1983

REDUCED PLAN USE SCALE OF 1"=40'

1" ON ORIGINAL SCALE

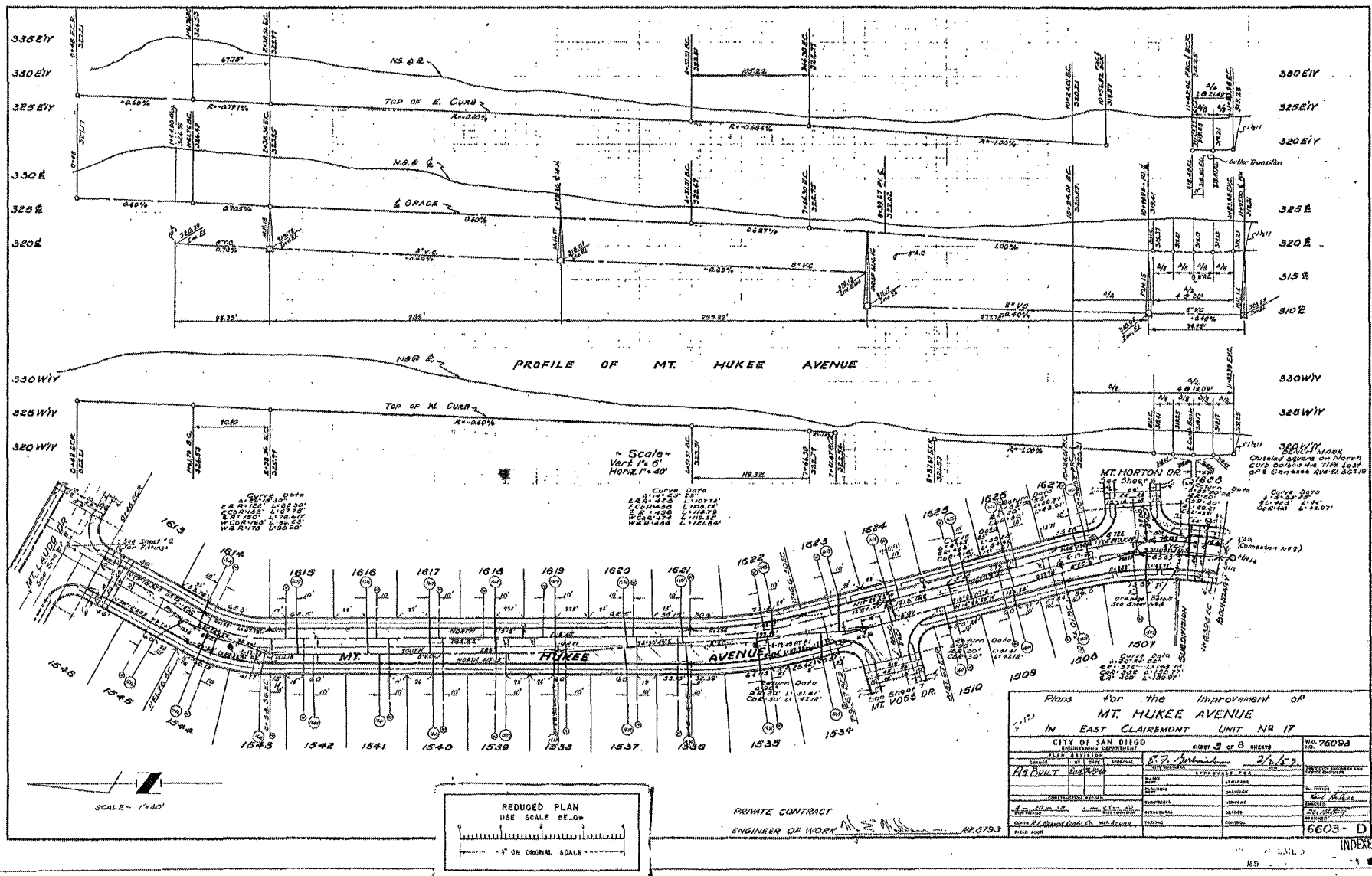
PIPELINE REHABILITATION AM-1 - Appendix N - As-Built Drawings (Rev. July 2016)

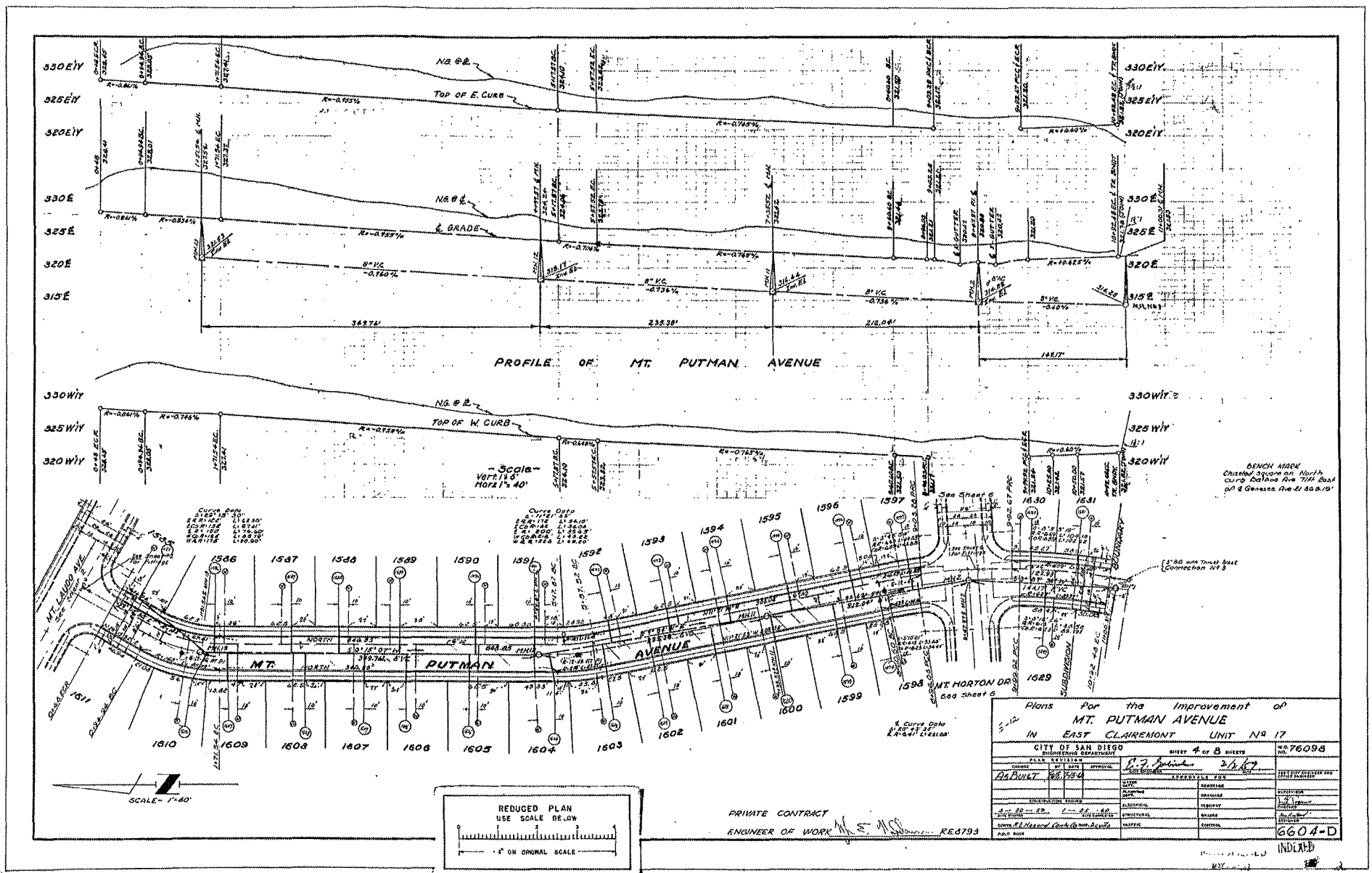


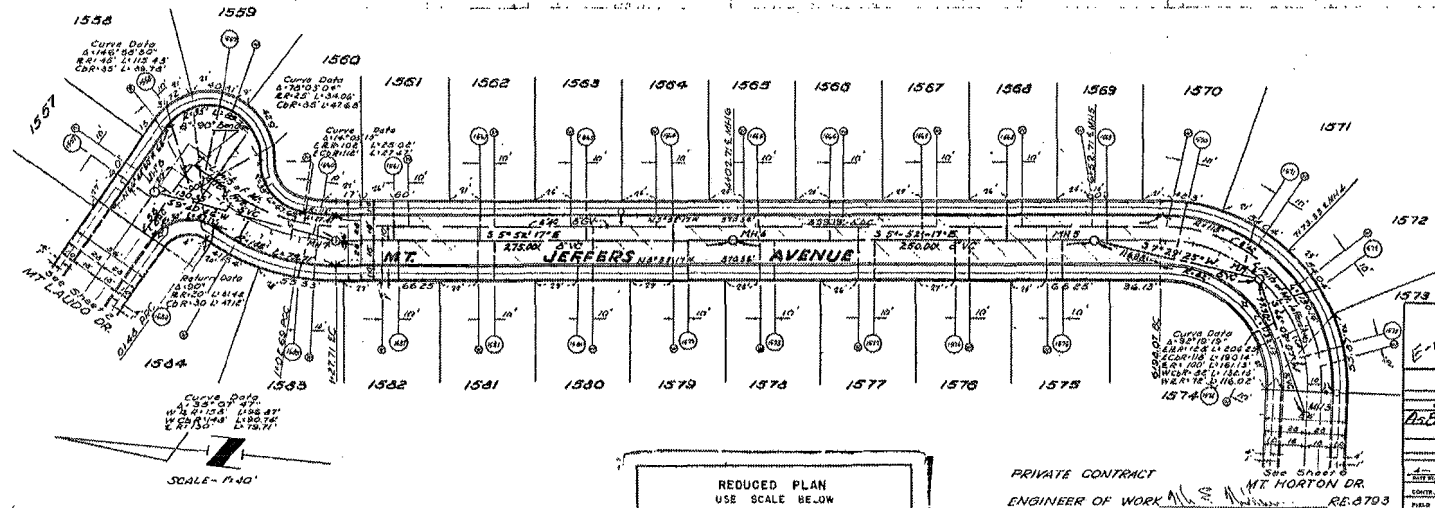
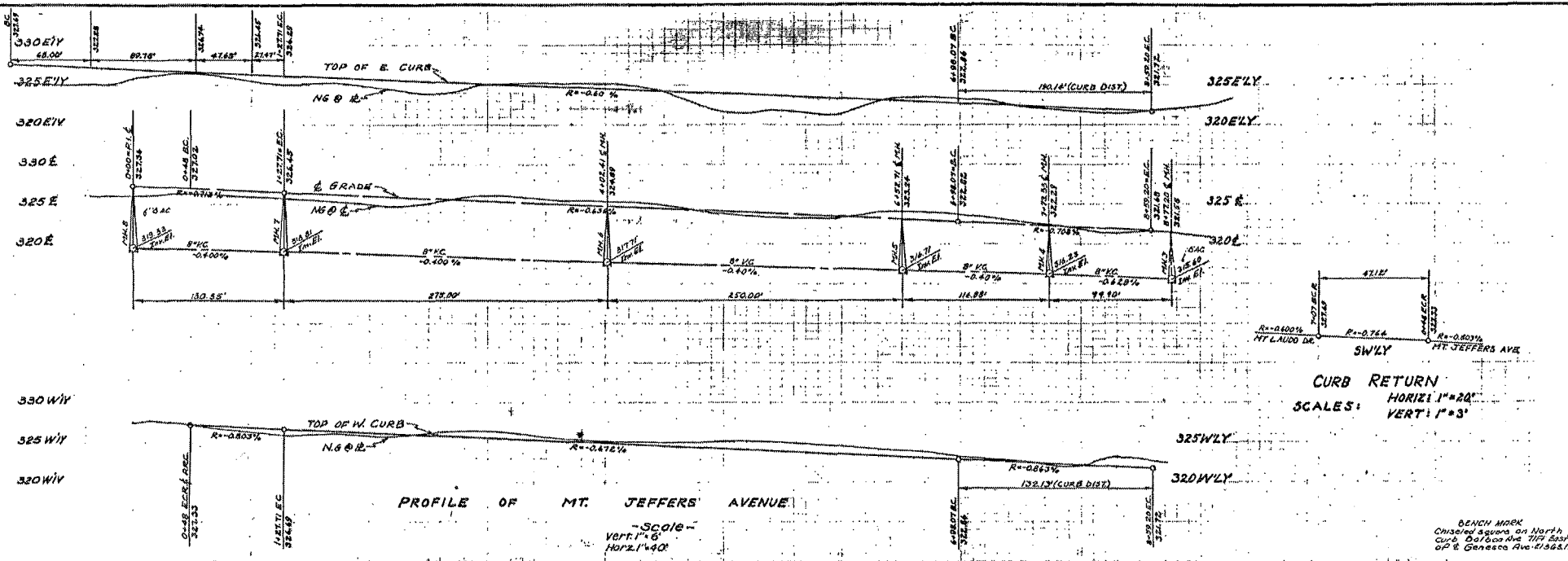
PRIVATE CONTRACT
 ENGINEER OF WORK

| Plans for the Improvement of | | | | SHEET 2 of 8 SHEETS | | NO. 76098 | |
|-------------------------------|-----------|------|----------|---------------------|------|-----------|------|
| MT. LAUDO DRIVE | | | | | | | |
| IN EAST CLAIREMONT UNIT NO 17 | | | | | | | |
| CITY OF SAN DIEGO | | | | | | | |
| ENGINEERING DEPARTMENT | | | | | | | |
| DESIGN | BY | DATE | APPROVAL | BY | DATE | APPROVAL | BY |
| AS BUILT | REVISIONS | | | | | | |
| CONTRACT NO. | DATE | BY | DATE | BY | DATE | BY | DATE |
| A-20-52 | 1-25-10 | | | | | | |
| PROJECT NO. | DATE | BY | DATE | BY | DATE | BY | DATE |
| 2004-RE-2004-04-04-04-04-04 | | | | | | | |
| FILE NO. | DATE | BY | DATE | BY | DATE | BY | DATE |
| | | | | | | | |

INDEXED
 FILE NO.







Plans for the Improvement of
MT. JEFFERS AVENUE
 IN EAST CLAIROMONT UNIT NO 17

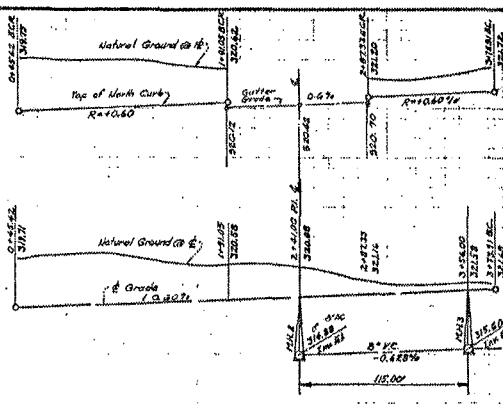
CITY OF SAN DIEGO
 ENGINEERING DEPARTMENT

SHEET 5 OF 8 SHEETS
 NO. 76098

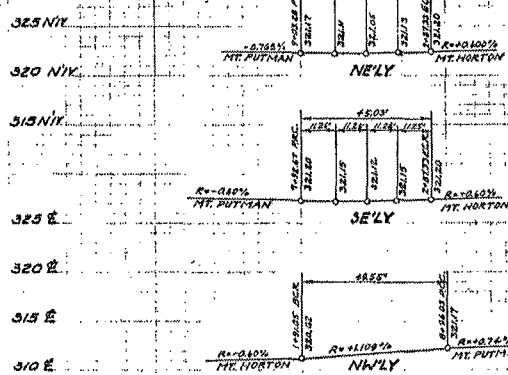
| | | | |
|---------------------|------------------|---------------|----------|
| PLAN REVISION | DATE | BY | APPROVED |
| As-Built | 6/18/84 | RE: 8703 | 3/20/89 |
| DATE | REVISIONS | BY | DATE |
| CONSTRUCTION RECORD | AS-BUILT | RE: 8703 | 3/20/89 |
| DATE | REVISIONS | BY | DATE |
| CONTRACT | ENGINEER OF WORK | MT. HORTON DR | RE: 8703 |
| FILE NO. | | | |

6605 - D

325 N1/4
320 N1/4
315 N1/4
325 E
320 E
315 E
310 E

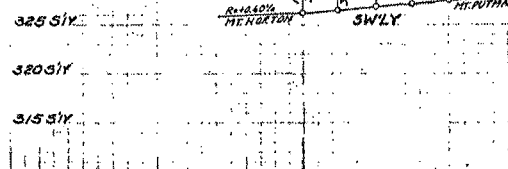
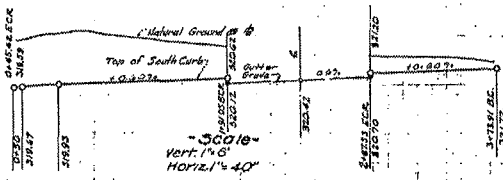


PROFILE OF MT. HORTON DRIVE

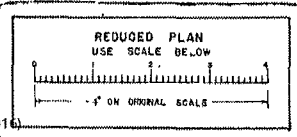
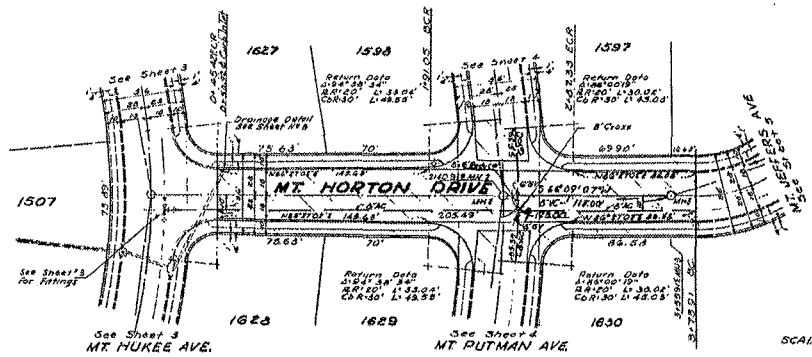


CURB RETURNS
HORIZ: 1" = 20'
SCALE: VERT: 1" = 3'

325 S1/4
320 S1/4
315 S1/4



BENCHMARK
Chicago Square on North
Curb 85.180 One 775.500
on 4 Geese Ave. 368.18'

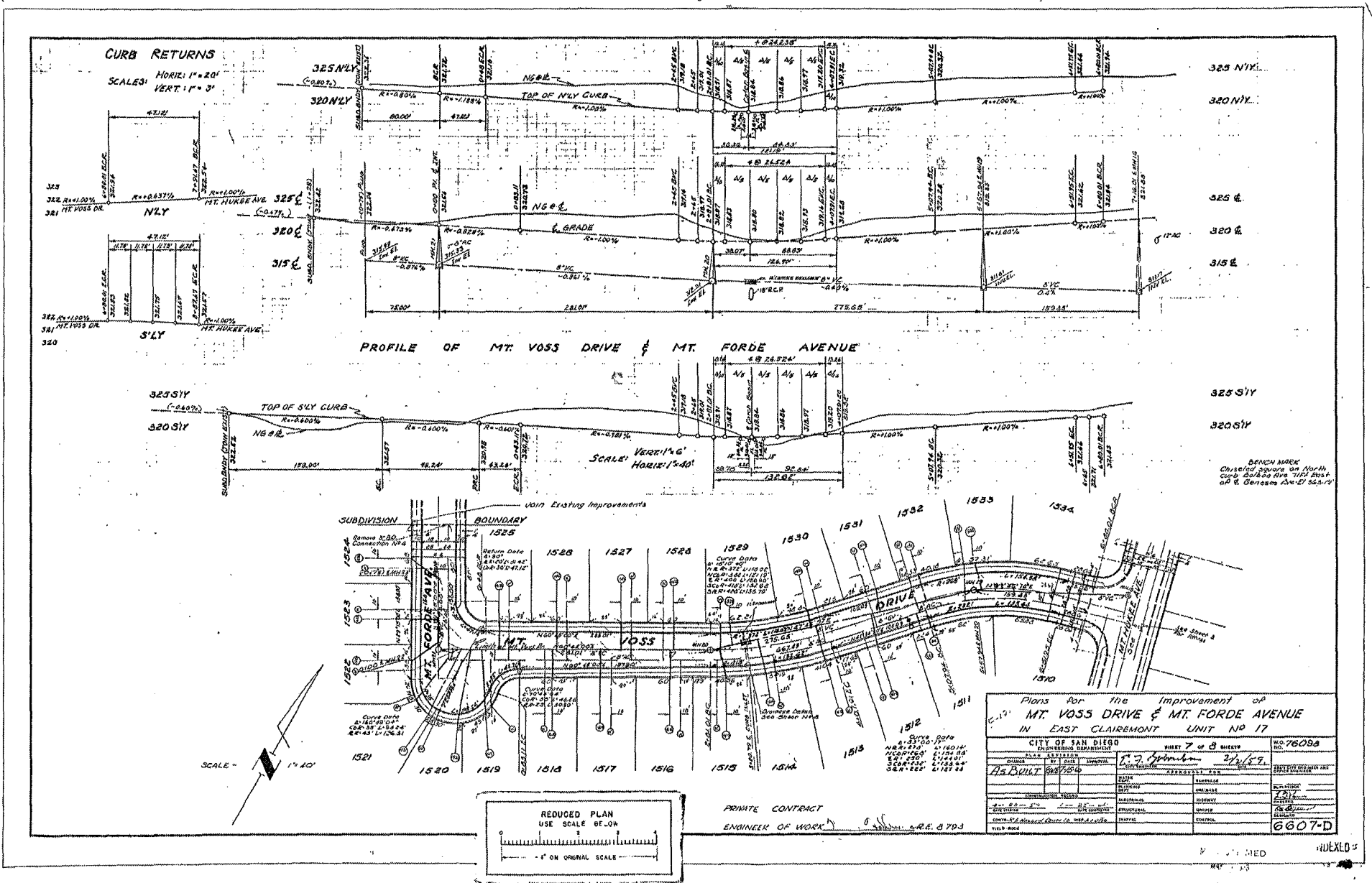


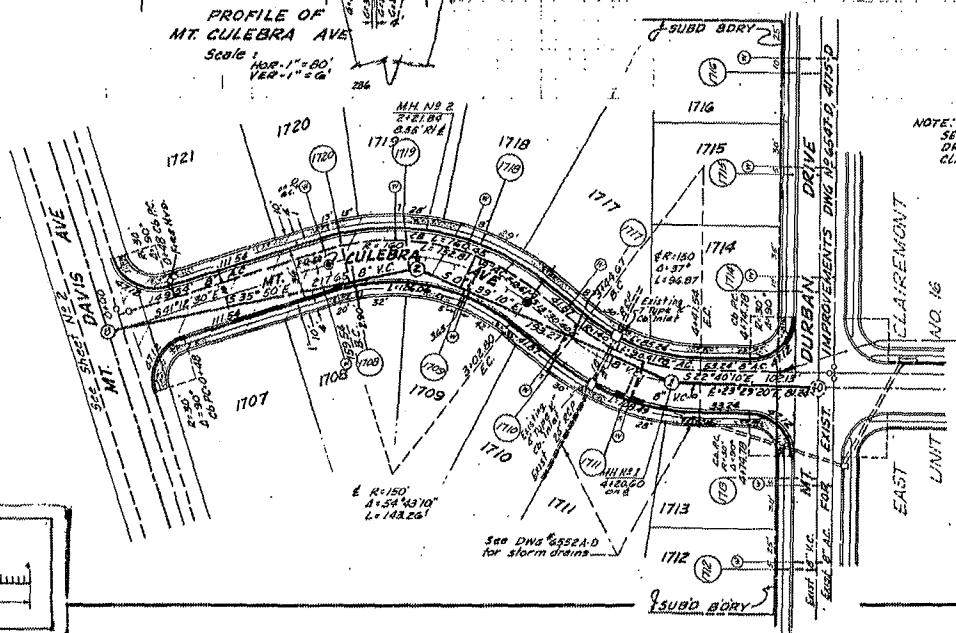
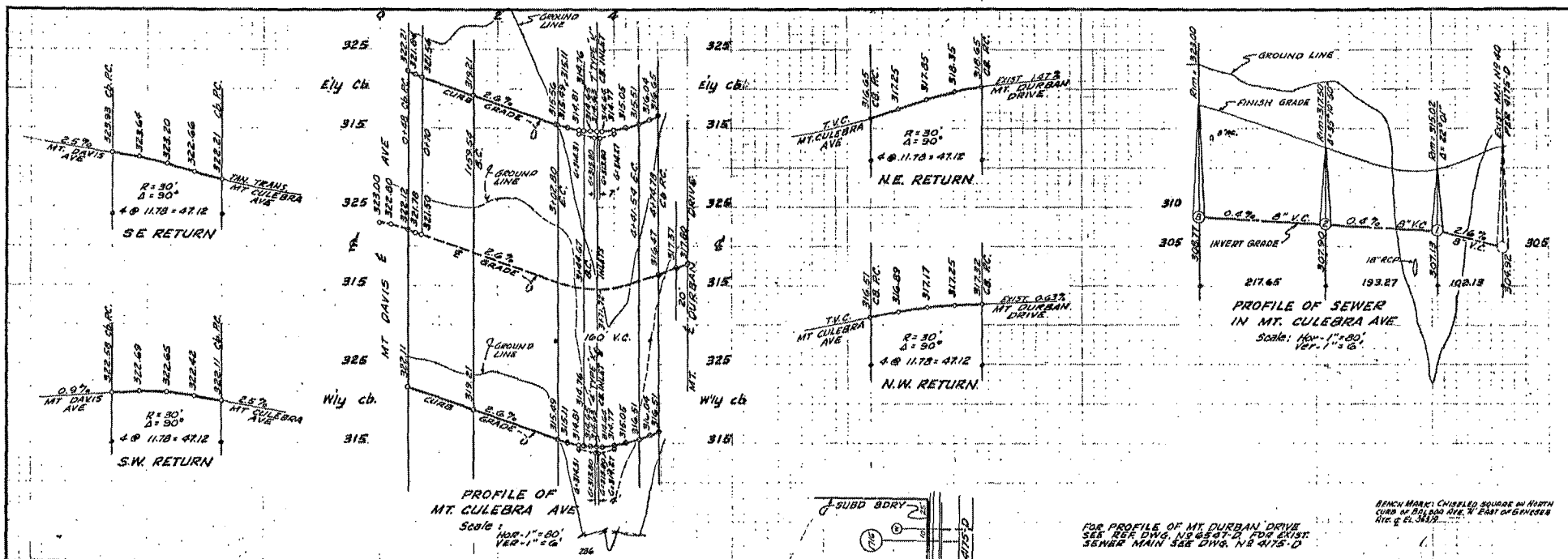
SCALE 1" = 40'

PRIVATE CONTRACT
ENGINEER OF WORK *[Signature]* RE 8793

| Plans for the Improvement of | | | |
|-------------------------------|------|-------------------|----------|
| E-12 MT. HORTON DRIVE | | | |
| IN EAST CLAIREMONT UNIT NO 17 | | | |
| CITY OF SAN DIEGO | | SHEET 6 OF 8 | |
| ENGINEERING DEPARTMENT | | NO. 76098 | |
| PLAN REVISION | DATE | BY | REVISION |
| AS BUILT SEE P. 124 | | L. J. [Signature] | 2/1/58 |
| CONSTRUCTION NOTES | DATE | BY | REVISION |
| 1. 2" x 12" x 12" CURB | | | |
| 2. 2" x 12" x 12" CURB | | | |
| 3. 2" x 12" x 12" CURB | | | |
| 4. 2" x 12" x 12" CURB | | | |
| 5. 2" x 12" x 12" CURB | | | |
| 6. 2" x 12" x 12" CURB | | | |
| 7. 2" x 12" x 12" CURB | | | |
| 8. 2" x 12" x 12" CURB | | | |
| 9. 2" x 12" x 12" CURB | | | |
| 10. 2" x 12" x 12" CURB | | | |
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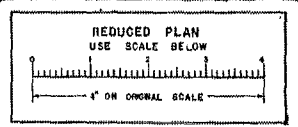


FOR PROFILE OF MT. DURBAN DRIVE
SEE REF. DWG. NO. 6507-D FOR EXIST.
SEWER MAIN SEE DWG. NO. 4175-D

BENCH MARK: CHISELED SOURCE ON NORTH
CURB OF DUBLIN AVE. N. EAST OF SERVICES
HTG. ± EL. 54.52

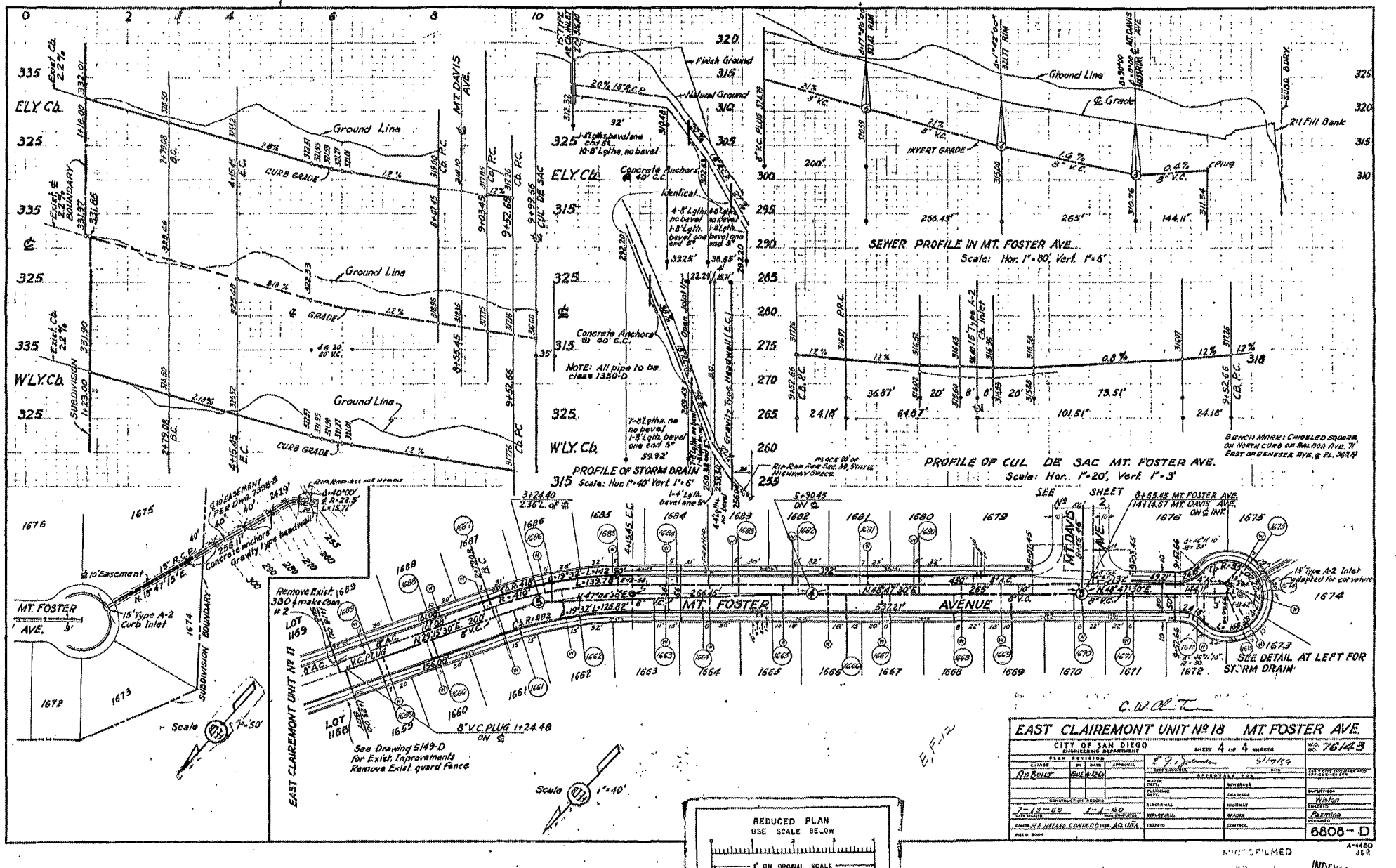
NOTE:
SEWER, WATER & GAS SERVICES IN MT. DURBAN
DRIVE TO BE BUILT PRIOR TO PAVING IN EAST
CLAIREMONT UNIT NO. 16

Scale: 1" = 40'

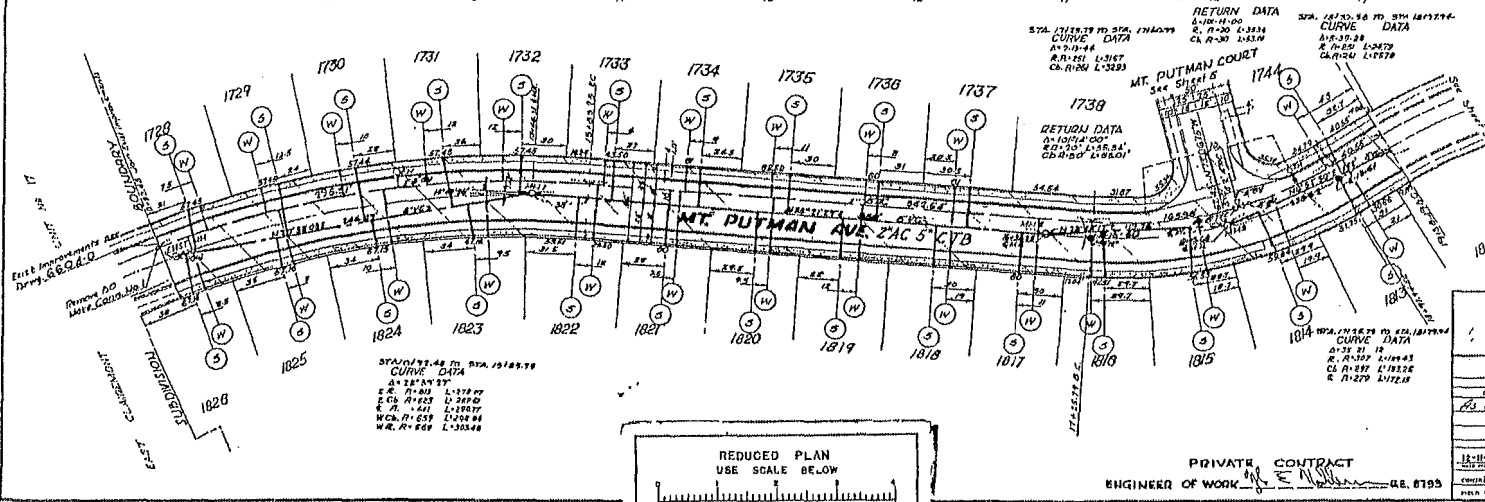
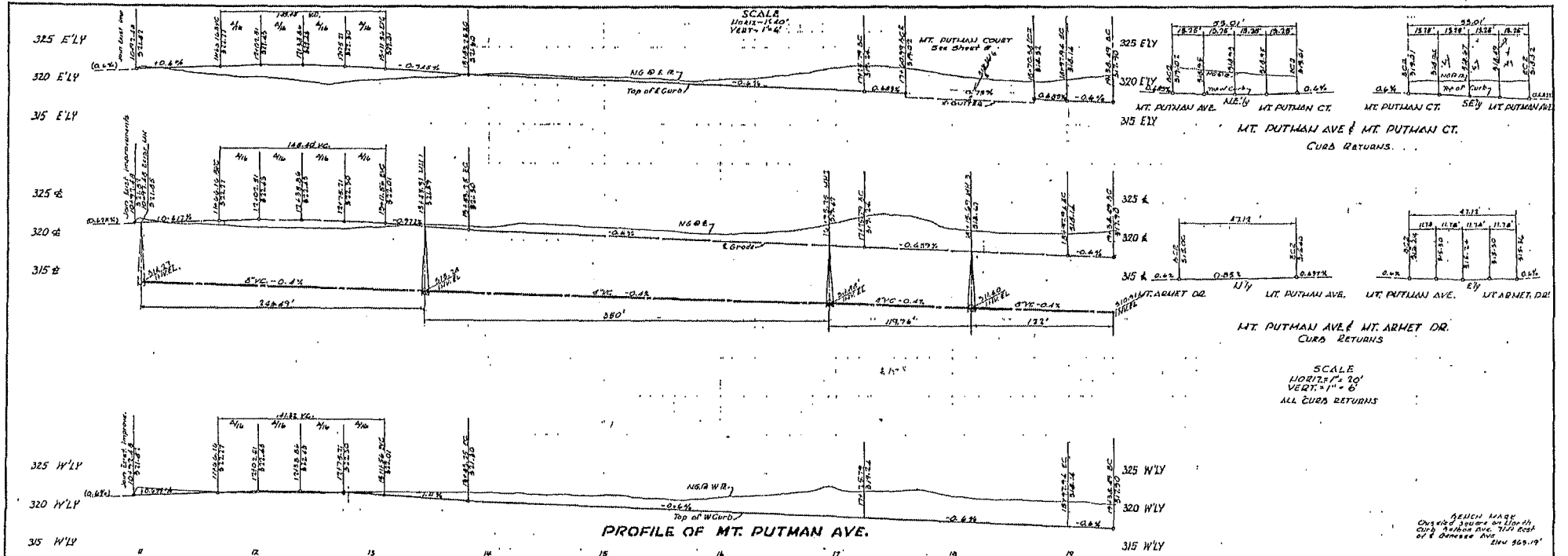


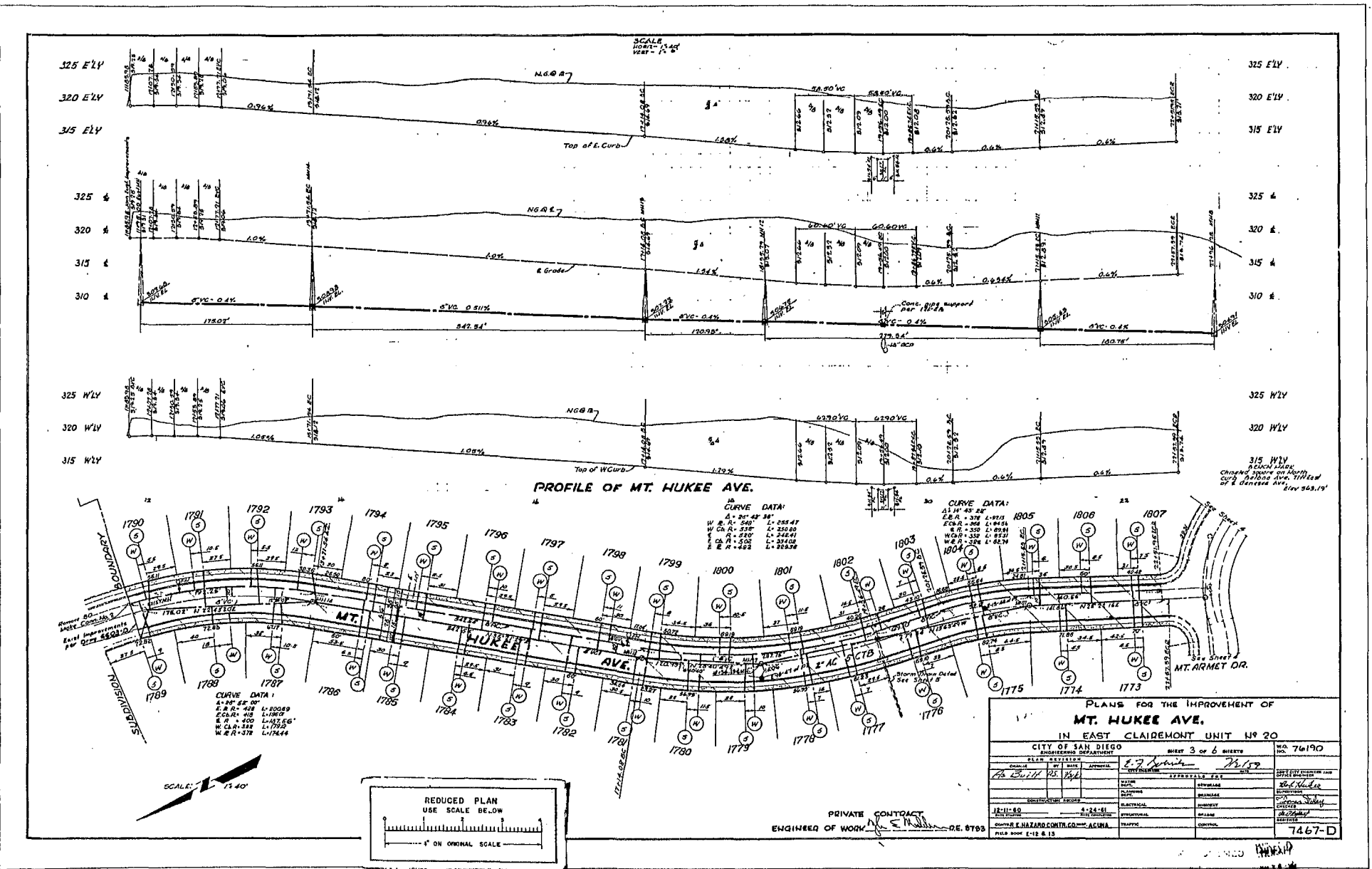
C.W. Olt

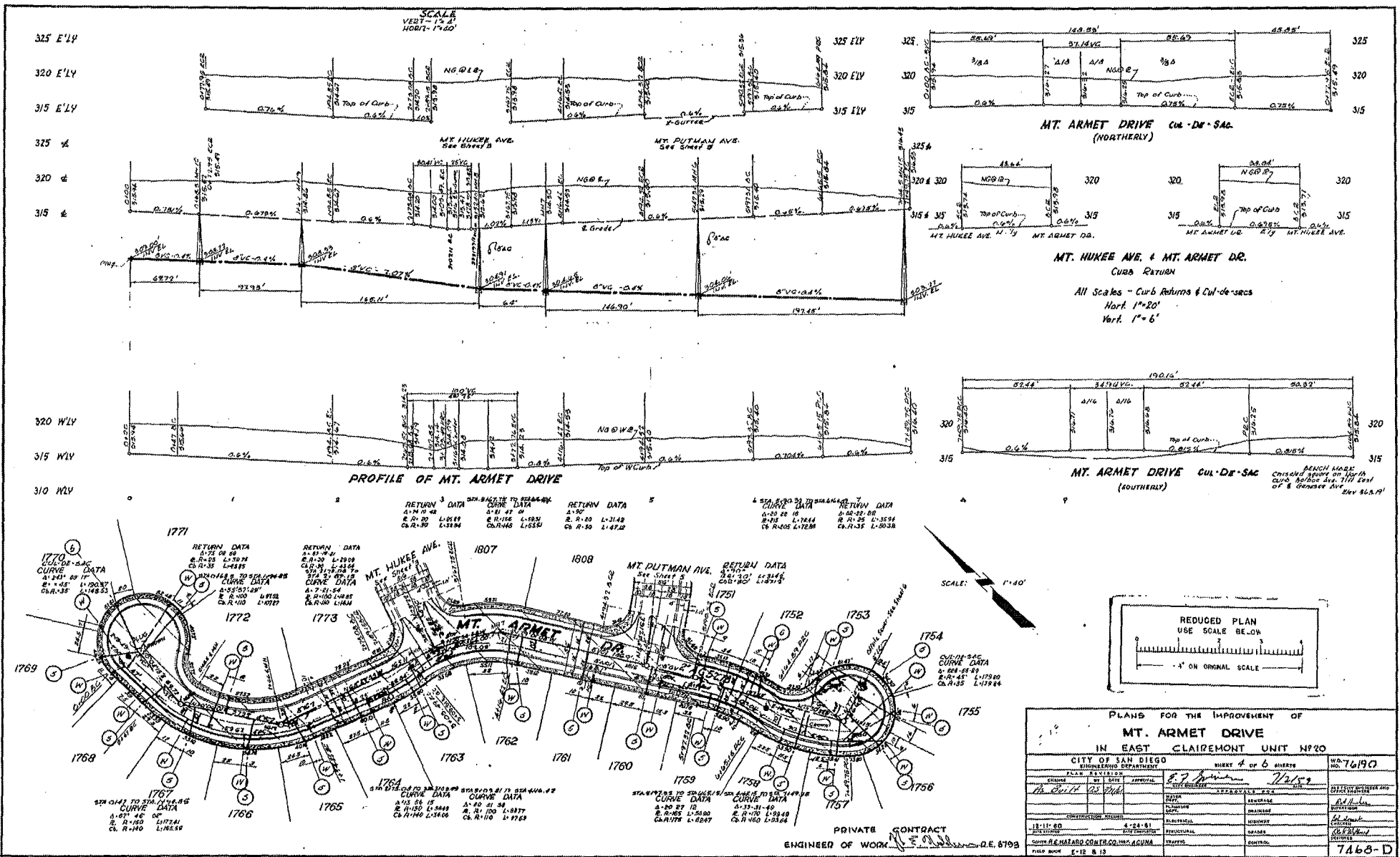
| EAST CLAIREMONT UNIT NO. 18 MT. CULEBRA AVE. | | | | NO. 76143 |
|--|-------------------------|--------------------|--------------------|-----------|
| CITY OF SAN DIEGO | | | | |
| ENGINEERING DEPARTMENT | | | | |
| PLAN REVISION | DATE | APPROVAL | BY | NO. |
| AS BUILT | 8/1/80 | <i>[Signature]</i> | <i>[Signature]</i> | 51796 |
| DESIGNED | 8/1/80 | APPROVED | BY | NO. |
| 7-13-80 | 1-1-80 | | | |
| DRAWN | 8/1/80 | ENGINEER | NO. | |
| 8004 DE. HARRIS | CONTR. S.O. HUN. ALVARA | INSP. | NO. | |
| FIELD BOOK | | | | 6807-D |

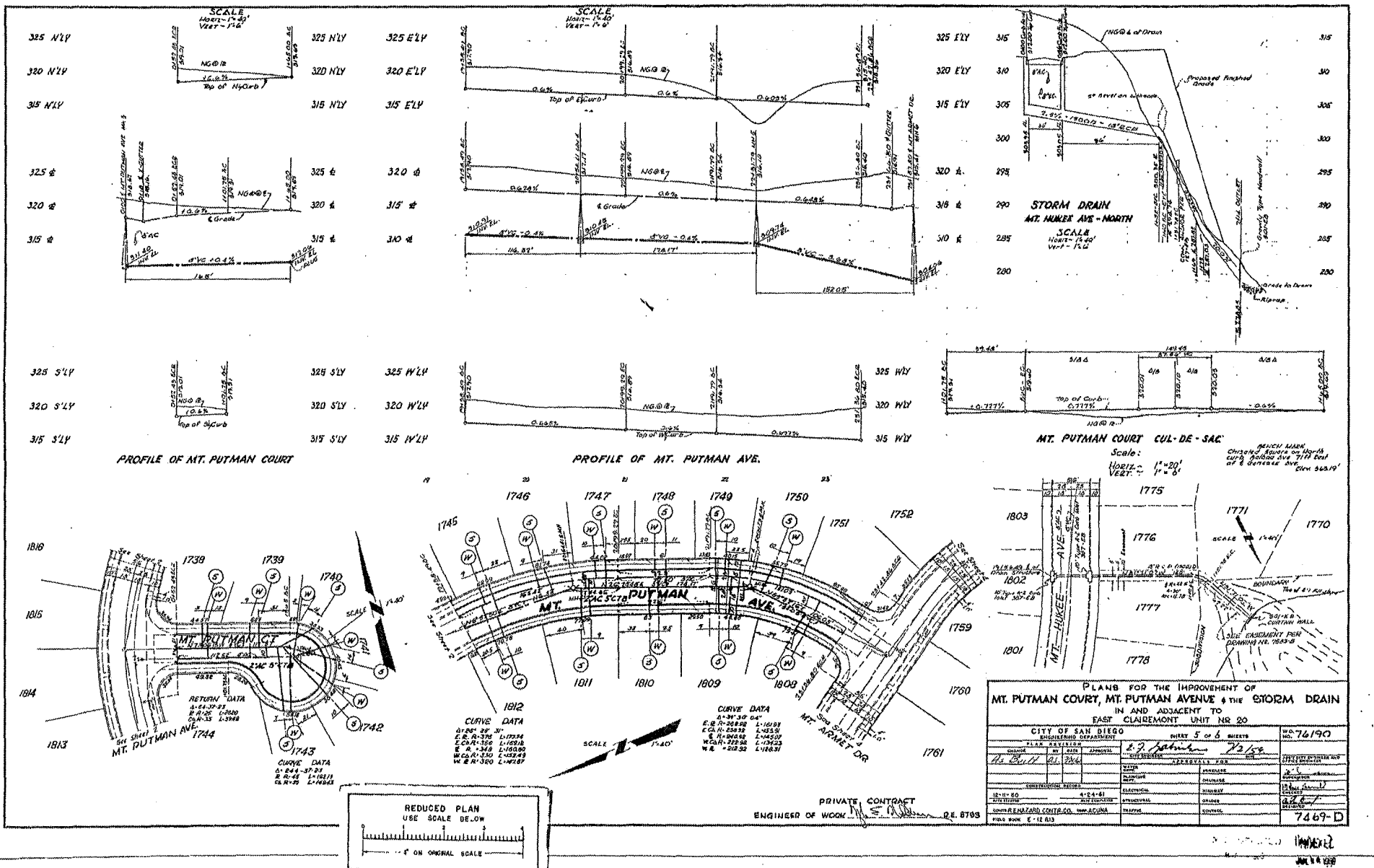


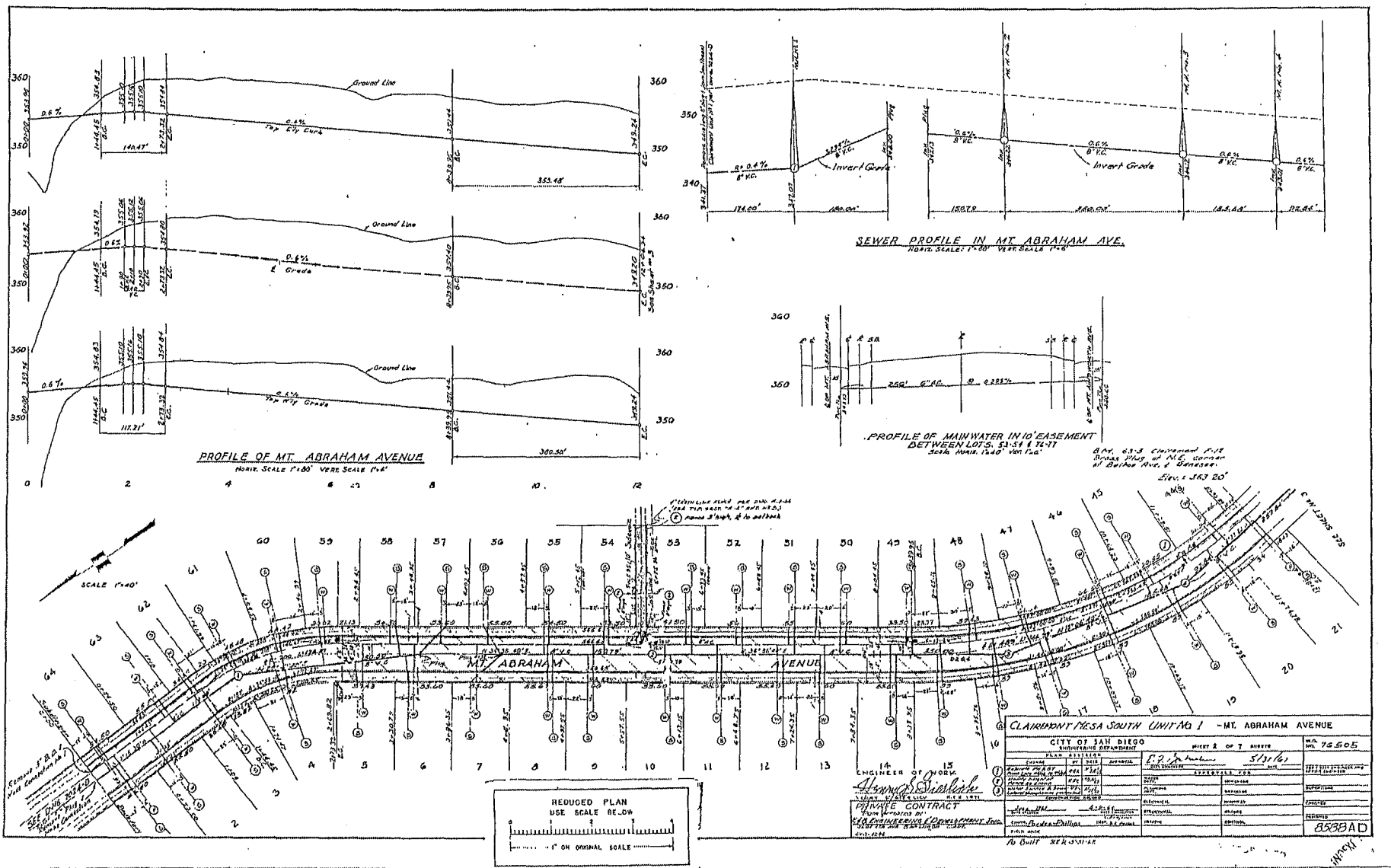
| EAST CLAIREMONT UNIT NO. 18 MT. FOSTER AVE. | | SHEET 4 OF 4 SHEETS | | NO. 76143 |
|---|-----------|---------------------|----------|-----------|
| CITY OF SAN DIEGO ENGINEERING DEPARTMENT | | | | |
| DATE | BY | APPROVED | DATE | |
| AS BUILT | SUBMITTAL | | 5/17/89 | |
| CONSTRUCTION | REVISION | REVISION | REVISION | REVISION |
| 7-18-88 | 1-1-89 | | | |
| DESIGNED | CHECKED | APPROVED | DATE | |
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| FIELD BOOK | | | | |
| | | | | 6808-D |

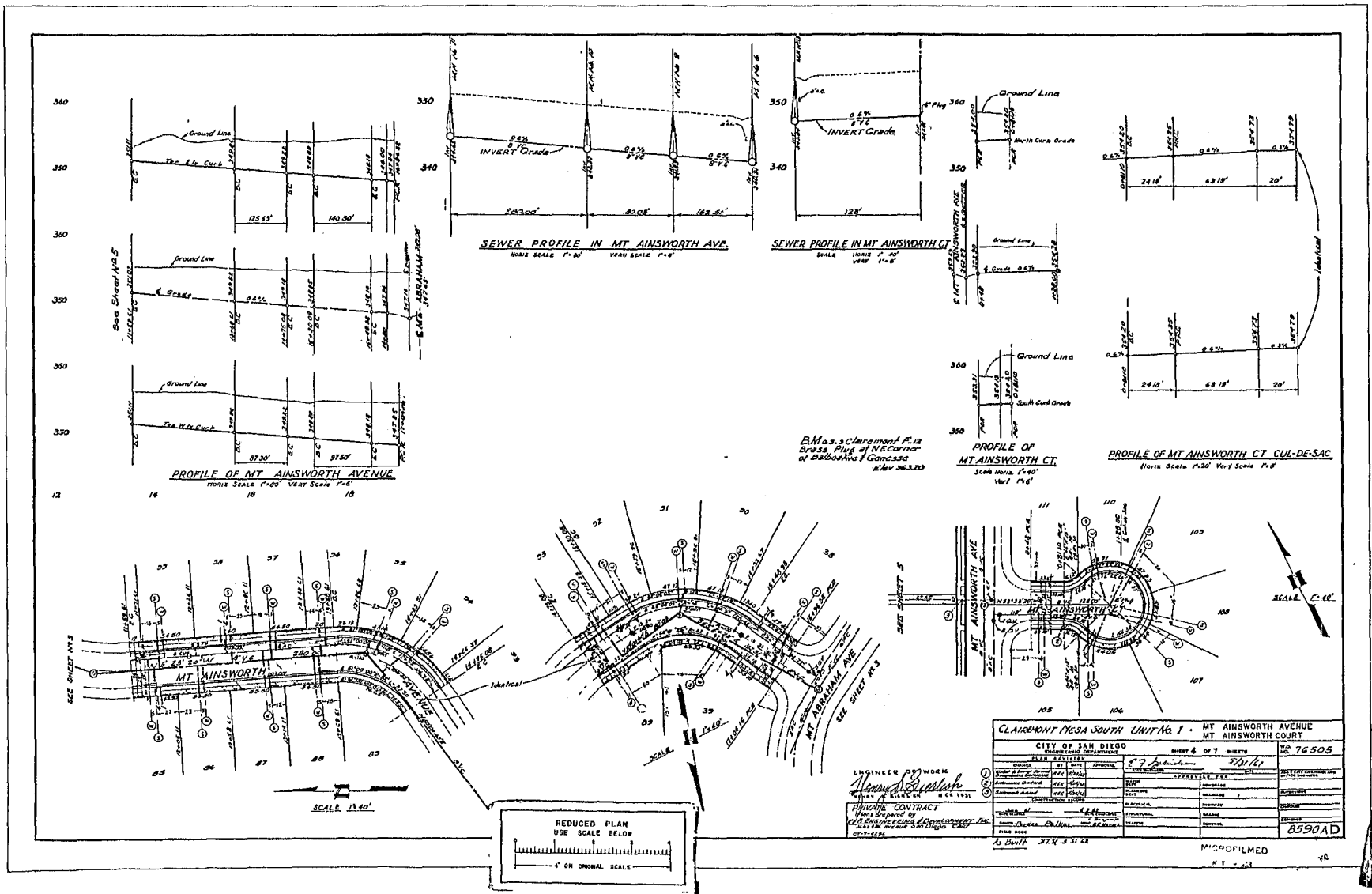












BM as a Clarence P. 12
 Brass Plug at NE Corner
 of Balboa and Congress
 Elev. 263.20

CLAIRMONT MESA SOUTH UNIT No. 1 - MT AINSWORTH AVENUE
 MT AINSWORTH COURT

CITY OF SAN DIEGO
 ENGINEERING DEPARTMENT

SHEET 4 OF 7 SHEETS
 NO. 76505

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| 5/21/67 | | | |

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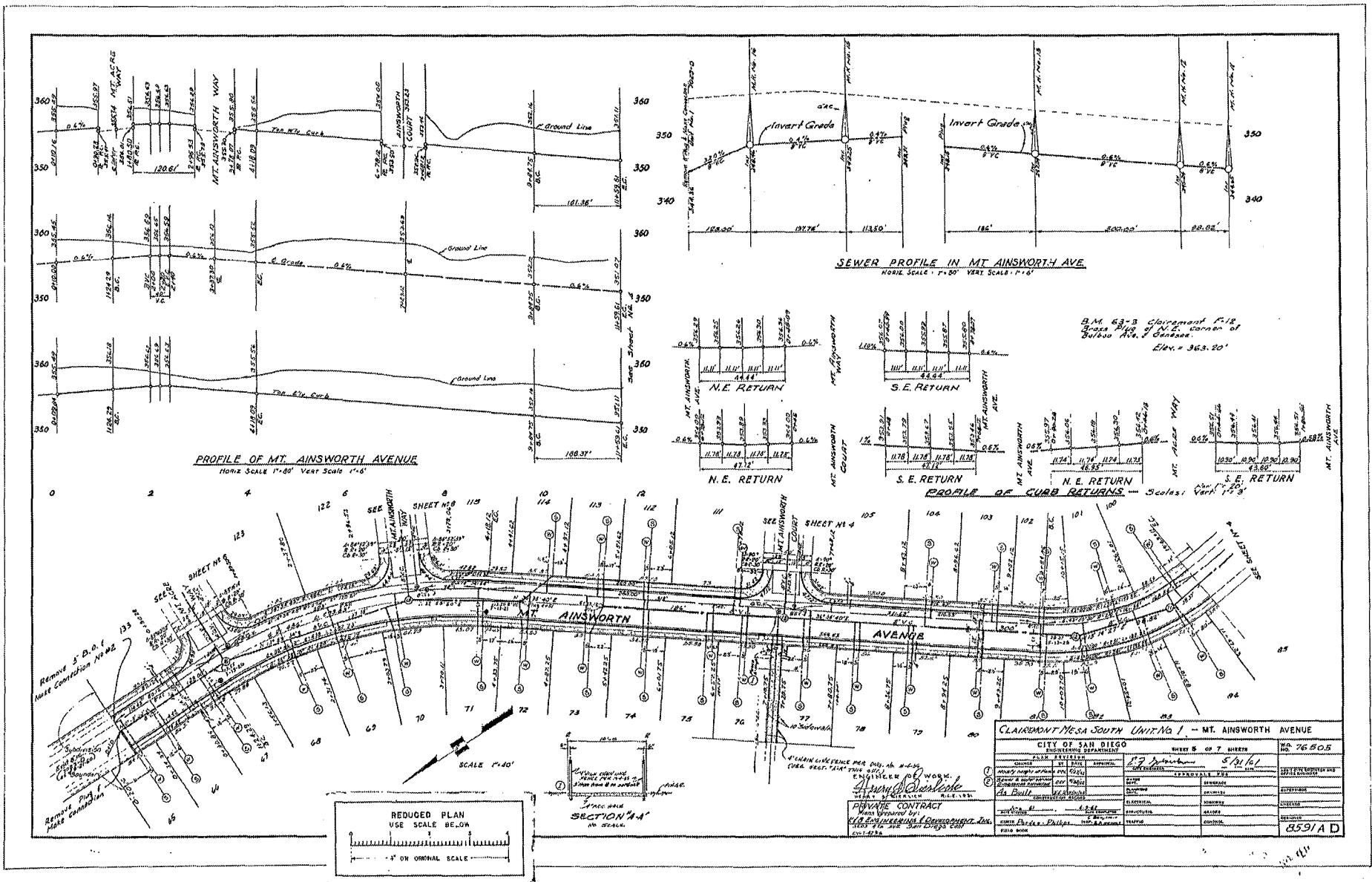
ENGINEER BY WORK
Henry J. ...
 CIVIL ENGINEER
 No. 1000 8-22-1931

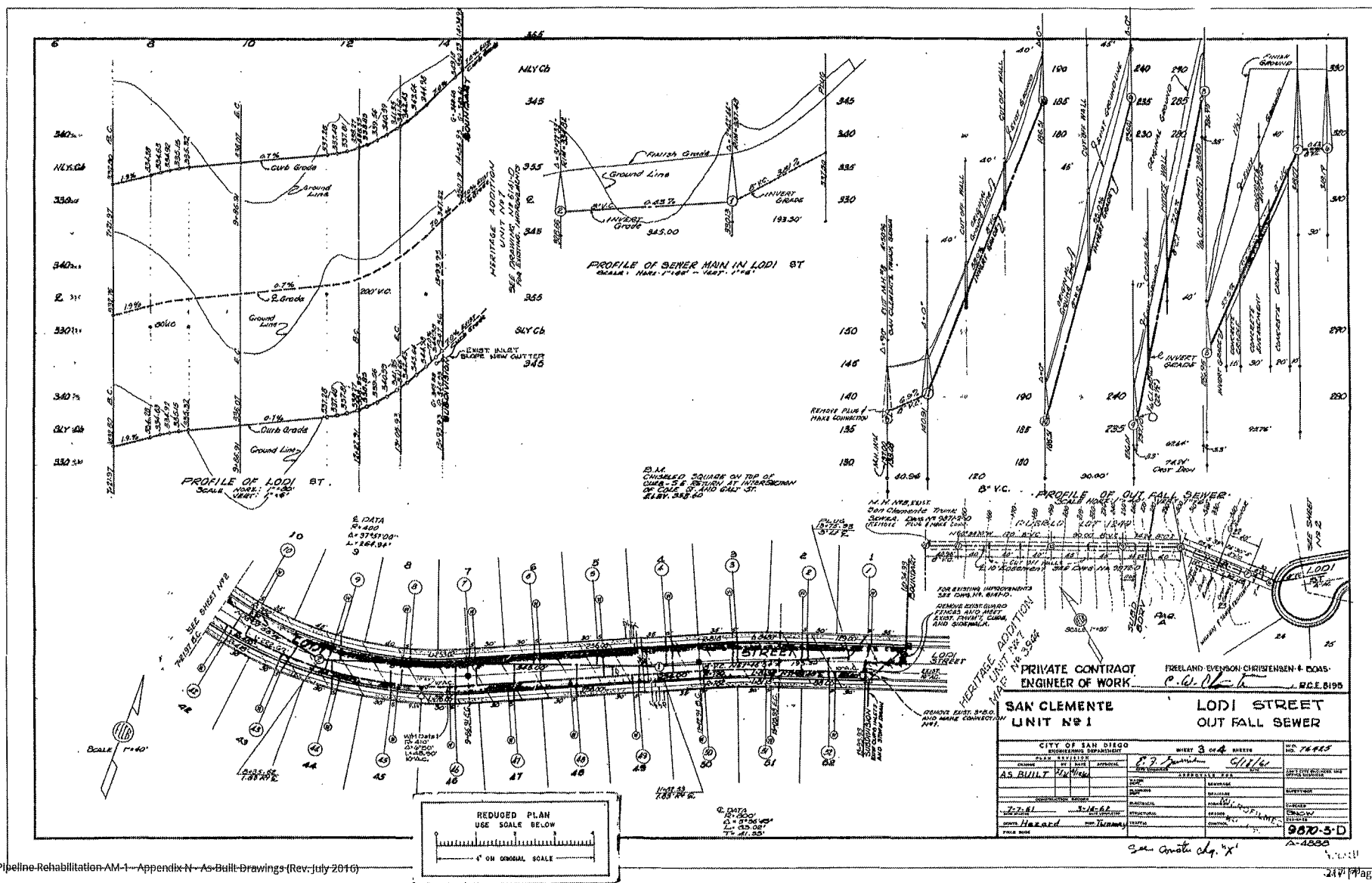
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 CHECKED BY
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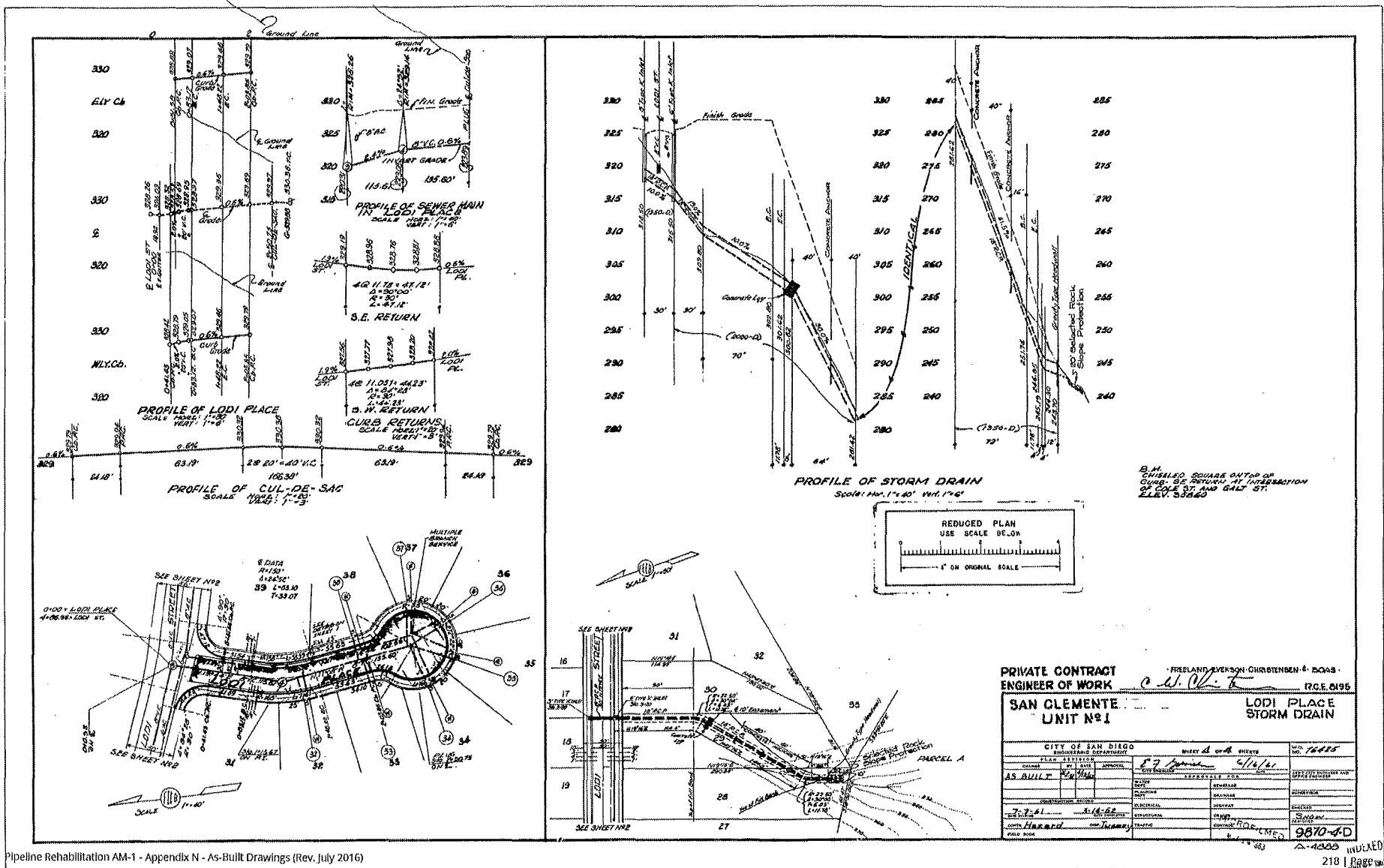
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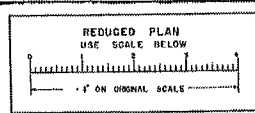
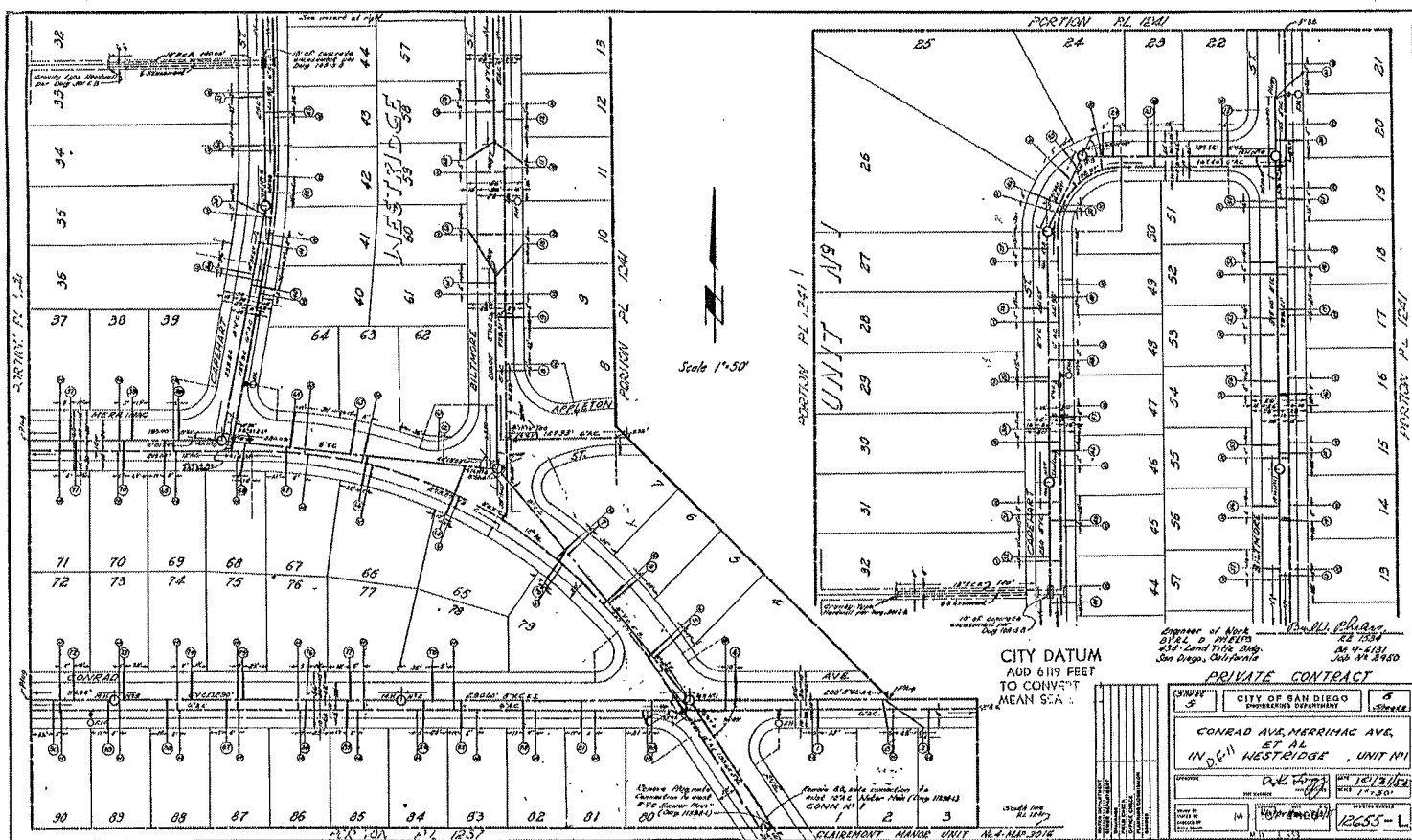
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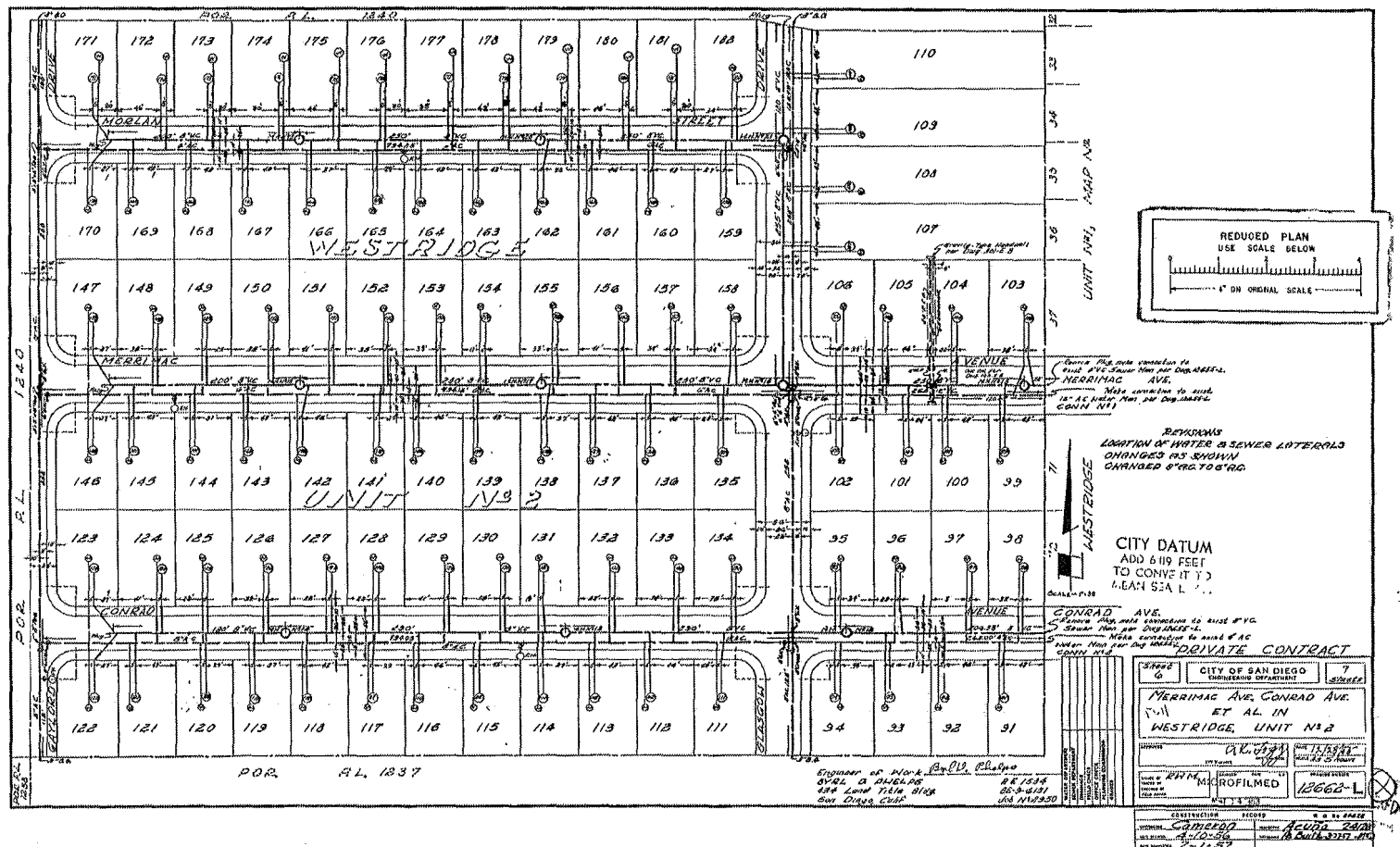
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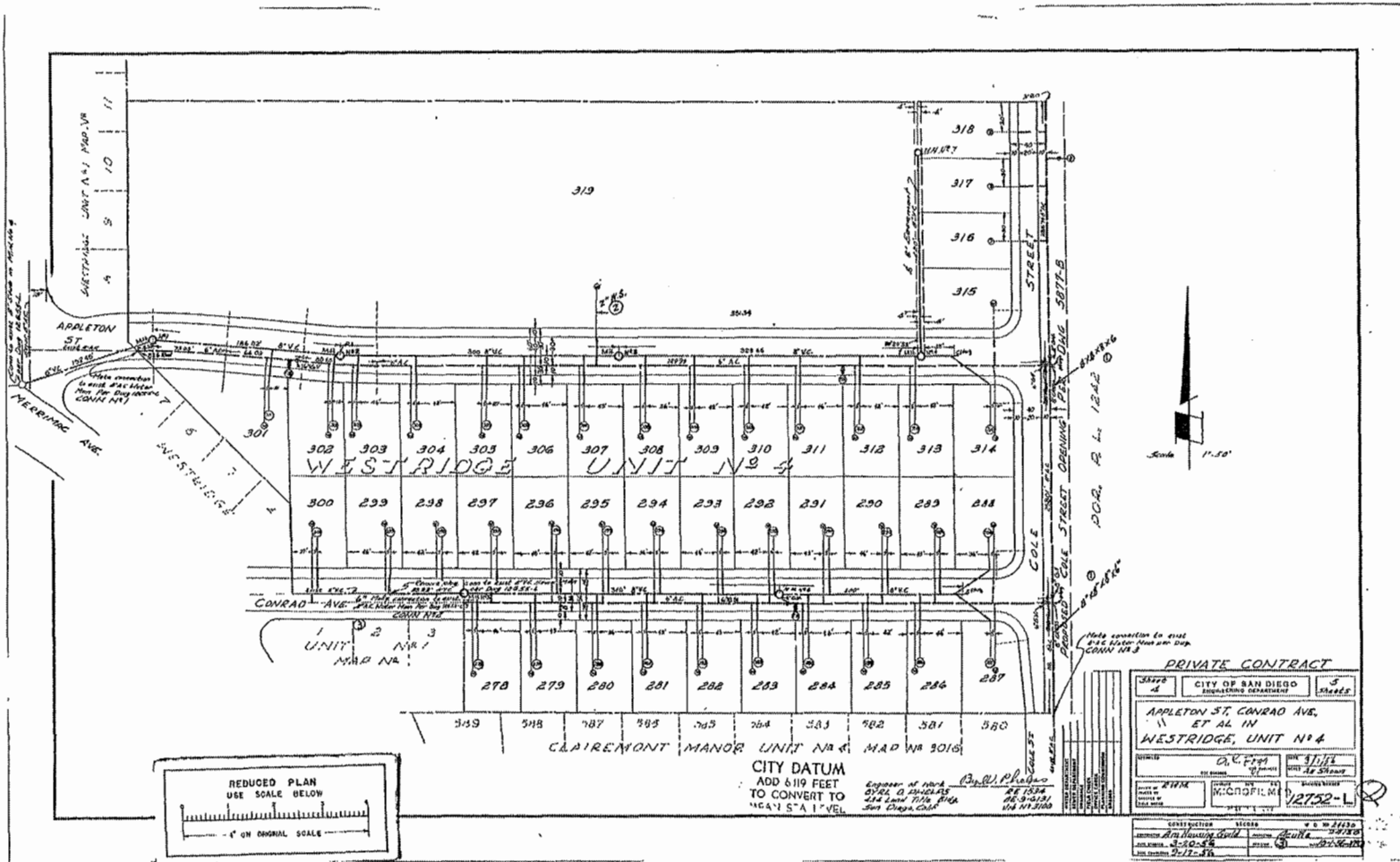


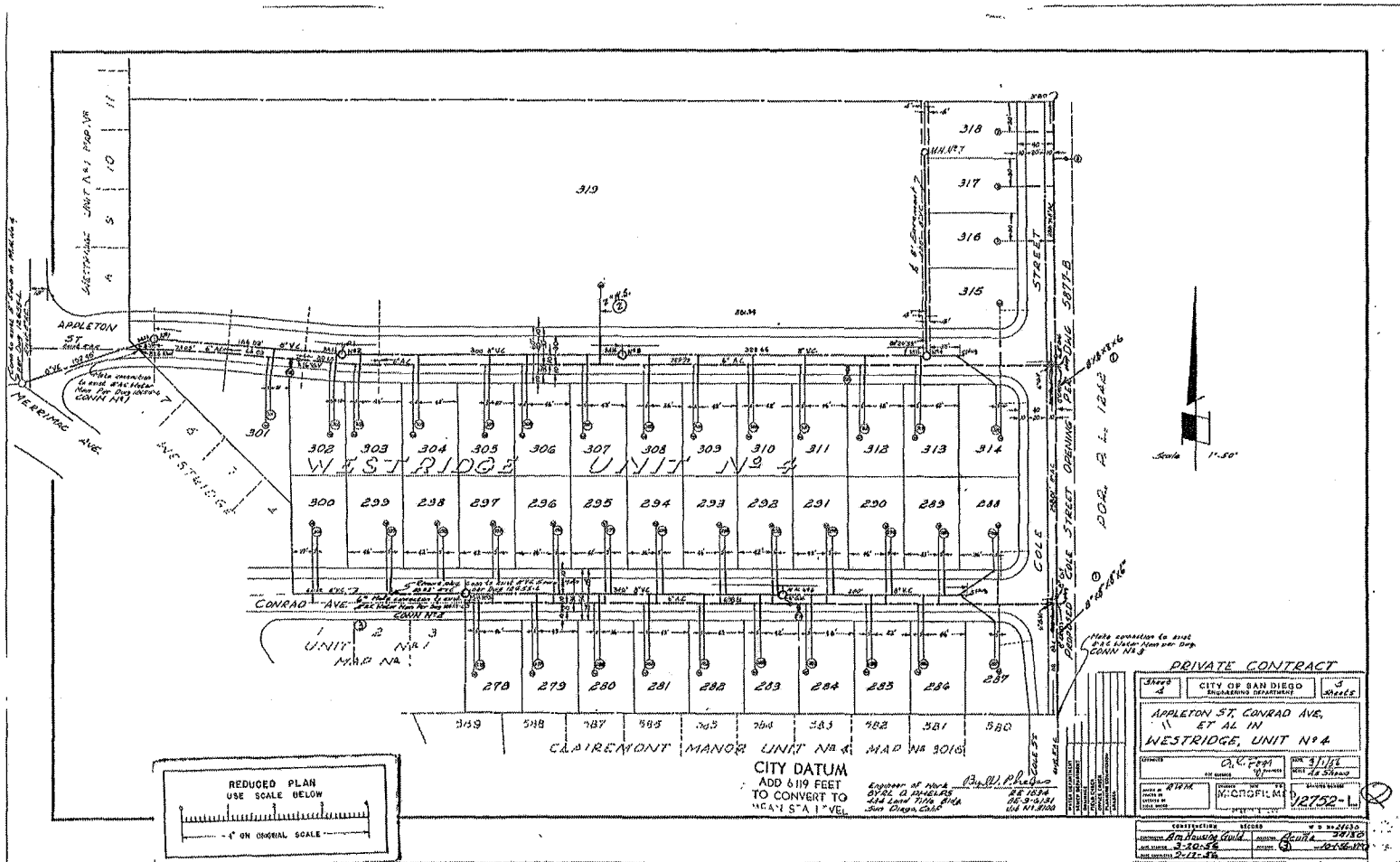


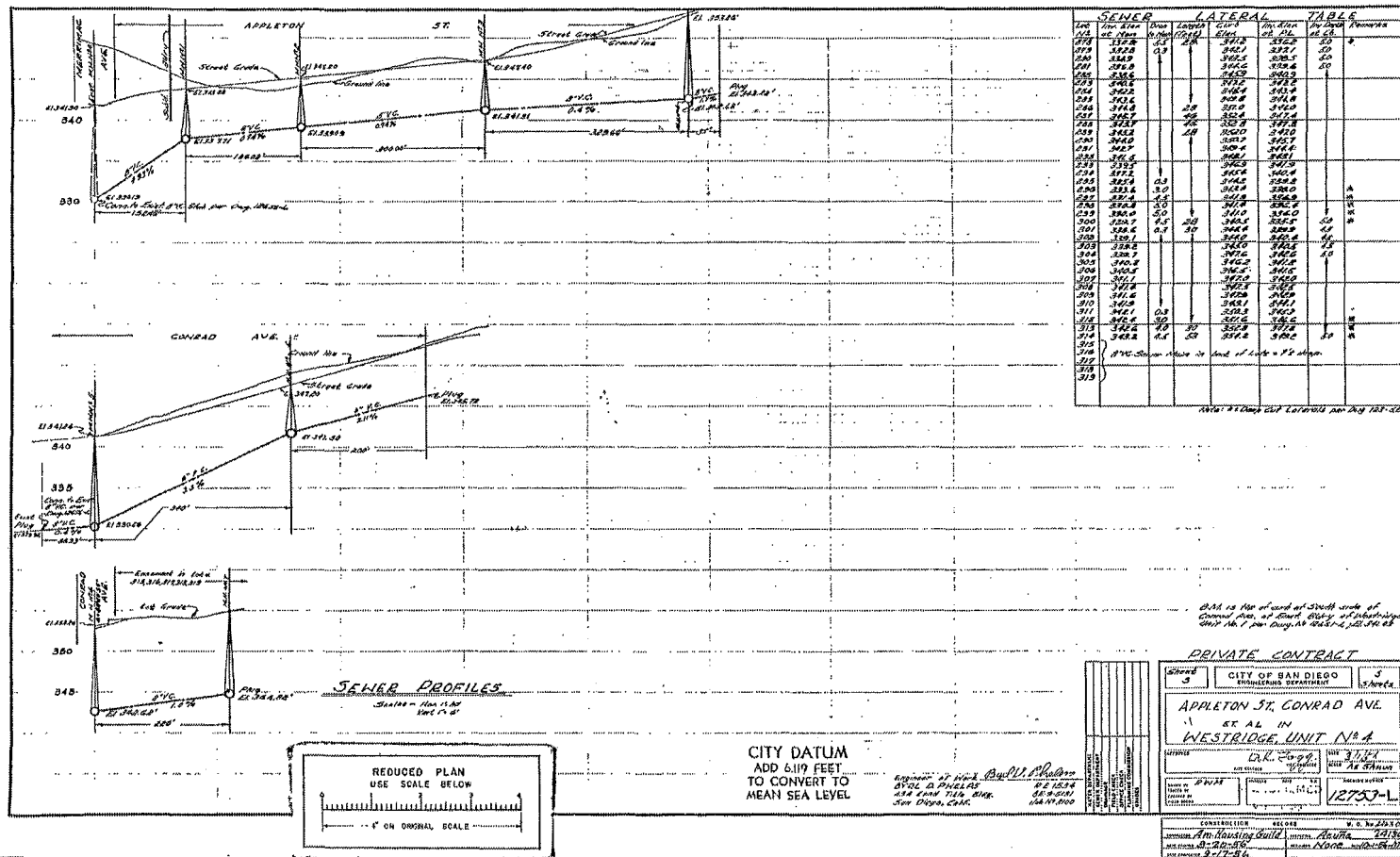


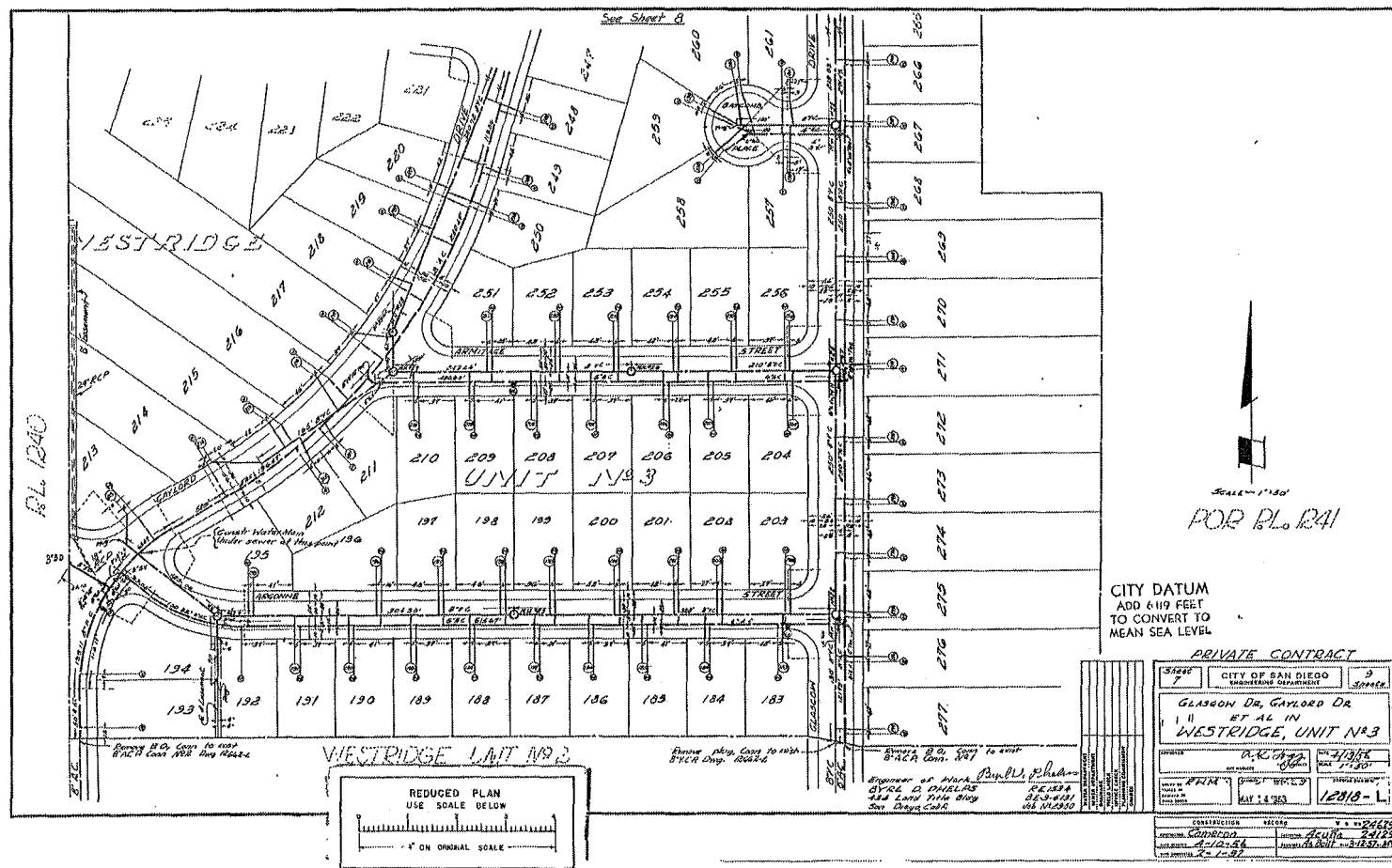


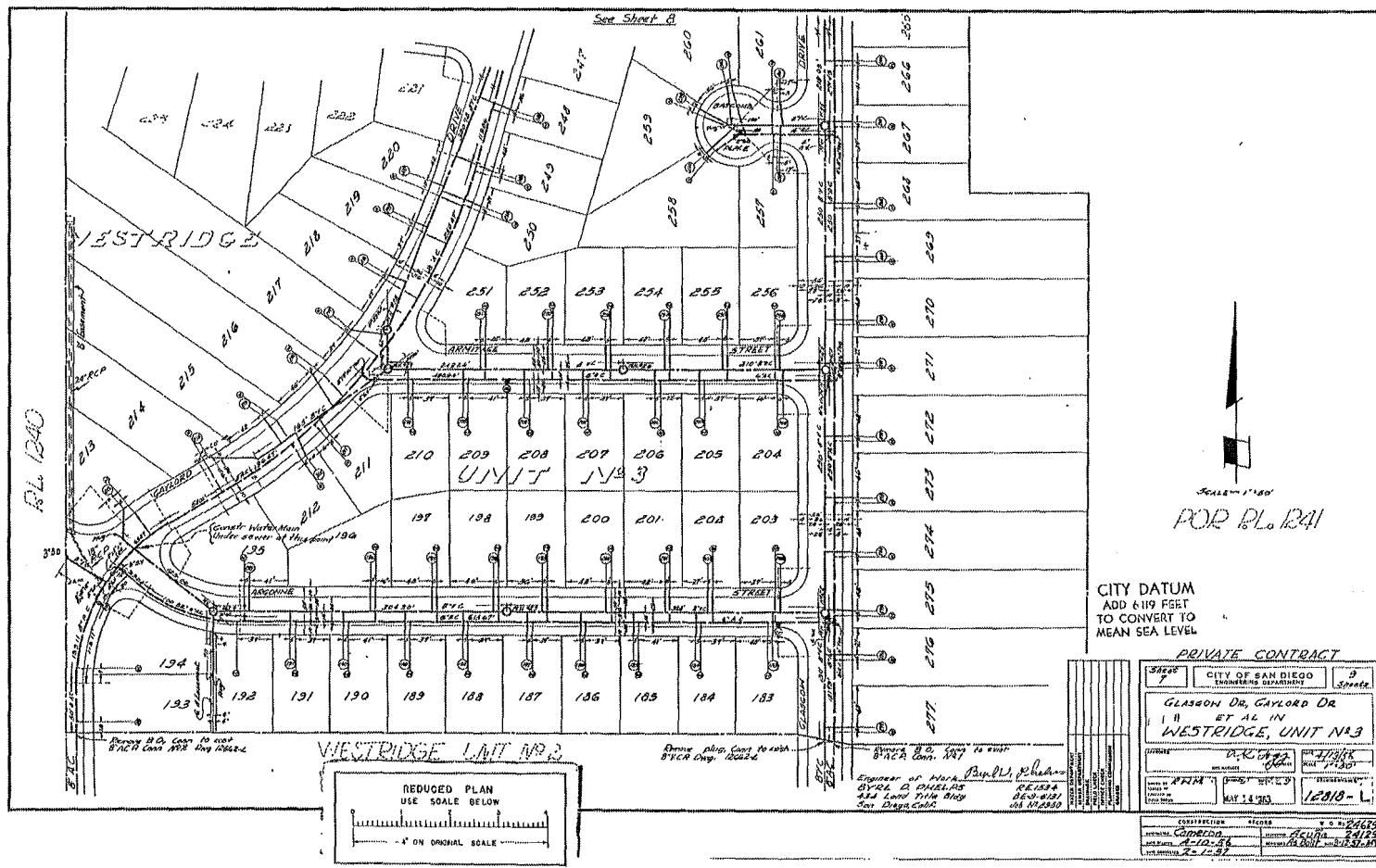


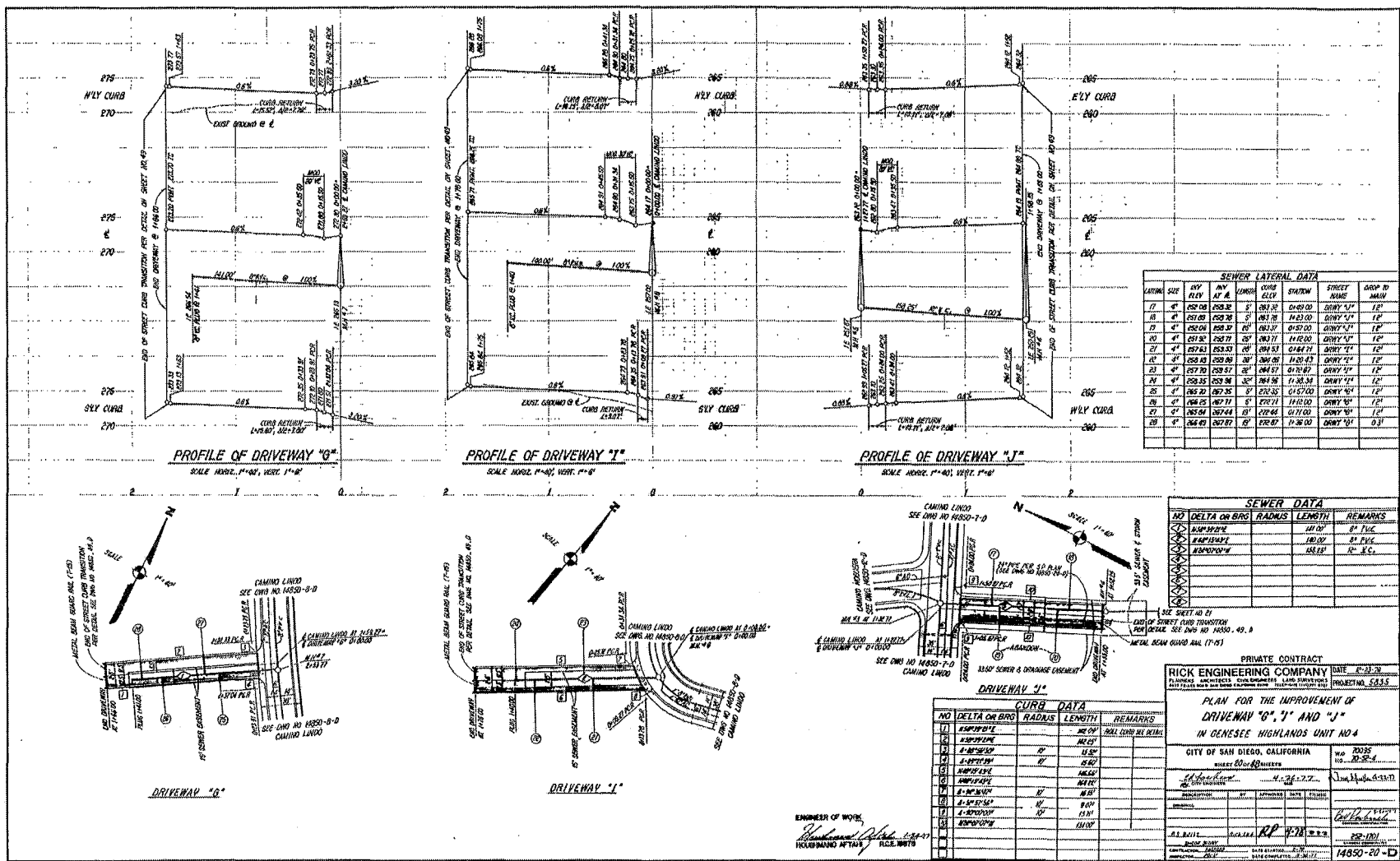


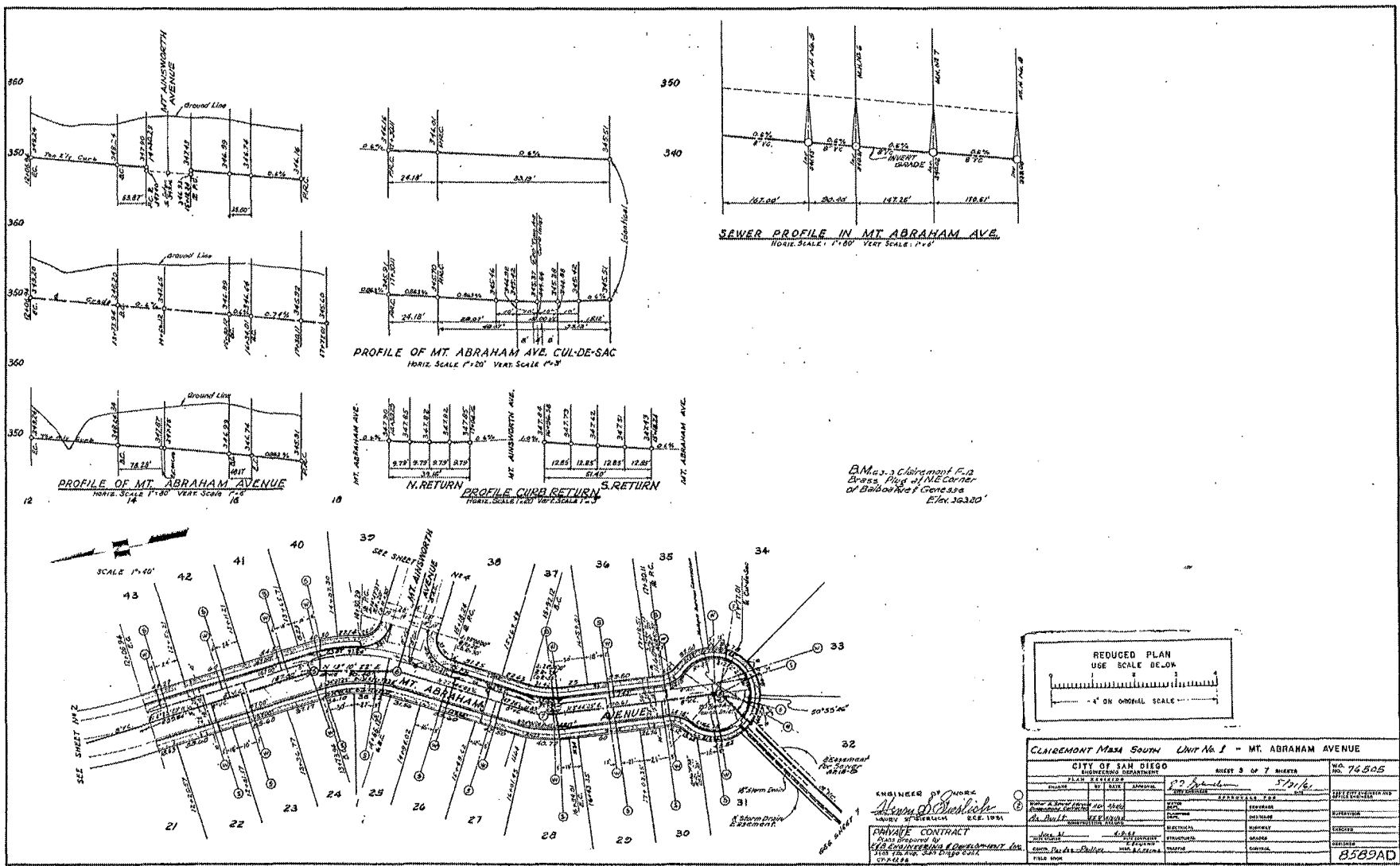












ATTACHMENT F
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ATTACHMENT G

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 Burtech Pipeline Incorporated, herein called "Contractor" for construction of **Pipeline Rehabilitation AM-1; Bid No. K-17-1498-DBB-3;** in the amount of Four Million Six Hundred Sixty Four Thousand One Hundred Twenty Five Dollars and 10/100 (\$4,664,125.10), which is comprised of the Base Bid.

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

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) Phased Funding Schedule Agreement.
 - (e) That certain documents entitled **Pipeline Rehabilitation AM-1**, on file in the office of the Public Works Department as Document No. **B-16002**, 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 AM-1**, Bid Number **K-17-1498-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.

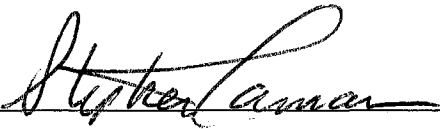
CONTRACT AGREEMENT (continued)


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

Jan I. Goldsmith, City Attorney

By 

By 

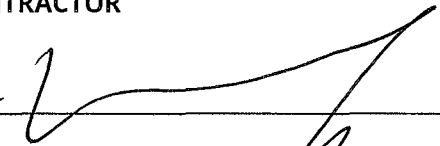
Print Name: Stephen Samara
Principal Contract Specialist
Public Works Department

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

Date: 11-7-2016

Date: 11/10/16

CONTRACTOR

By 

Print Name: DOMINIC J. BURTECH

Title: PRESIDENT & CEO

Date: 10/12/2016

City of San Diego License No.: B1996002066

State Contractor's License No.: 718202

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000006324

CERTIFICATIONS AND FORMS

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

Bidder's General Information

To the City of San Diego:

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

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

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

State of California
County of San Diego

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

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

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

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

CONTRACTOR CERTIFICATION

AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

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

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

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

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

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

AFFIDAVIT OF DISPOSAL

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

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

(Name of Project or Task)

as particularly described in said contract and identified as Bid No. _____; SAP No. (WBS/IO/CC) _____; 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 _____, _____.

Contractor

by

ATTEST:

State of _____ County of _____

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

Notary Public in and for said County and State

COMPANY LETTERHEAD

CERTIFICATE OF COMPLIANCE

Materials and Workmanship Compliance

For Contract or Task _____

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

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

Material Description:

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

Signed by: _____

Printed Name: _____

Title: _____

Company: _____

Date: _____

City of San Diego
Public Works Department, Field Division

NOTICE OF MATERIALS TO BE USED

To: _____ Date: _____, 20__

Resident Engineer

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

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

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

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

Distribution:

Supplier

Yours truly,

 Signature of Supplier

 Address

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. EQUAL BENEFITS ORDINANCE - CERTIFICATION OF COMPLIANCE**

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

BID BOND

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

KNOW ALL MEN BY THESE PRESENTS,

That BURTECH PIPELINE, INCORPORATED as Principal, and
NORTH AMERICAN SPECIALTY INSURANCE COMPANY as Surety, are

held and firmly bound unto The City of San Diego hereinafter called "OWNER," in the sum of **10% OF THE TOTAL BID AMOUNT** for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a Bid to said OWNER to perform the WORK required under the bidding schedule(s) of the OWNER's Contract Documents entitled

PIPELINE REHABILITATION AM - 1

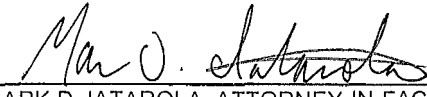
NOW THEREFORE, if said Principal is awarded a contract by said OWNER and, within the time and in the manner required in the "Notice Inviting Bids" enters into a written Agreement on the form of agreement bound with said Contract Documents, furnishes the required certificates of insurance, and furnishes 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 1ST day of SEPTEMBER,
2016

BURTECH PIPELINE, INCORPORATED (SEAL)
(Principal)

NORTH AMERICAN SPECIALTY
INSURANCE COMPANY (SEAL)
(Surety)

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

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

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

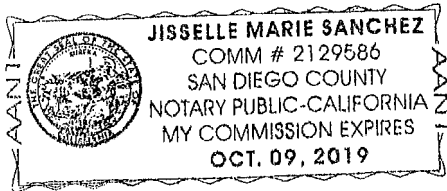
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of SAN DIEGO)
On 09/01/2016 before me, JISSELLE MARIE SANCHEZ, NOTARY PUBLIC,
Date Here Insert Name and Title of the Officer
personally appeared MARK D. IATAROLA
Name(s) of Signer(s)

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

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

WITNESS my hand and official seal.



Signature *J. Sanchez*
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document

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

Capacity(ies) Claimed by Signer(s)

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

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

NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY

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

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

and MARK D. IATAROLA

JOINTLY OR SEVERALLY

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

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

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

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



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



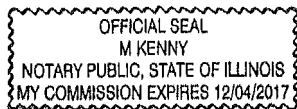
By [Signature] Michael A. Ito, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company

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

North American Specialty Insurance Company
Washington International Insurance Company

State of Illinois ss:
County of Cook

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



[Signature] M. Kenny, Notary Public

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

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 1ST day of SEPTEMBER, 2016.

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

California Acknowledgment Form

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

State of California
County of San Diego } ss.

On 9/7/16 before me Arthur P. Arquilla, Notary Public
(here insert name and title of the officer)
personally appeared Dominic Berteck

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.

Seal



WITNESS my hand and official seal.

Arthur P. Arquilla
Signature of Notary

Optional Information

To help prevent fraud, it is recommended that you provide information about the attached document below.
This is not required under California State notary public law.

Document Title: _____ # of Pages: _____

Notes

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

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

CHECK ONE BOX ONLY.

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

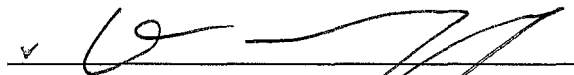
- The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of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

| DATE OF CLAIM | LOCATION | DESCRIPTION OF CLAIM | LITIGATION (Y/N) | STATUS | RESOLUTION/REMEDIAL ACTION TAKEN |
|---------------|----------------|----------------------|------------------|--------|----------------------------------|
| | NOT APPLICABLE | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Contractor Name: BURTECH PIPELINE INCORPORATED

Certified By DOMINIC J. BURTECH Title PRESIDENT & CEO

Name



Date 9-9-16

Signature

USE ADDITIONAL FORMS AS NECESSARY

**EQUAL BENEFITS ORDINANCE
CERTIFICATION OF COMPLIANCE**



For additional information, contact:

CITY OF SAN DIEGO

EQUAL BENEFITS PROGRAM

202 C Street, MS 9A, San Diego, CA 92101

COMPANY INFORMATION

| | |
|---|------------------------------------|
| Company Name: BURTECH PIPELINE INCORPORATED | Contact Name: DOMINIC J. BURTECH |
| Company Address: 102 SECOND STREET, ENCINITAS, CA 92024 | Contact Phone: (760) 634-2822 |
| | Contact Email: pipemaster7@cox.net |

CONTRACT INFORMATION

| | |
|---|-----------------------|
| Contract Title: PIPELINE REHABILITATION AM-1 | Start Date: DEC. 2016 |
| Contract Number (if no number, state location): K-17-1498-DBB-3 | End Date: MARCH 2018 |

SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS

The Equal Benefits Ordinance [EBO] requires the City to enter into contracts only with contractors who certify they will provide and maintain equal benefits as defined in SDMC §22.4302 for the duration of the contract. To comply:

- Contractor shall offer equal benefits to employees with spouses and employees with domestic partners.
 - Benefits include health, dental, vision insurance; pension/401(k) plans; bereavement, family, parental leave; discounts, child care; travel/relocation expenses; employee assistance programs; credit union membership; or any other benefit.
 - Any benefit not offer an employee with a spouse, is not required to be offered to an employee with a domestic partner.
- Contractor shall post notice of firm's equal benefits policy in the workplace and notify employees at time of hire and during open enrollment periods.
- Contractor shall allow City access to records, when requested, to confirm compliance with EBO requirements.
- Contractor shall submit *EBO Certification of Compliance*, signed under penalty of perjury, prior to award of contract.

NOTE: This summary is provided for convenience. Full text of the EBO and Rules Implementing the EBO are available at www.sandiego.gov/administration.

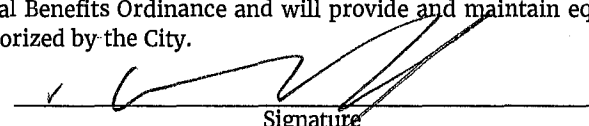
CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION

Please indicate your firm's compliance status with the EBO. The City may request supporting documentation.

- I affirm **compliance** with the EBO because my firm (*contractor must select one reason*):
- Provides equal benefits to spouses and domestic partners.
 - Provides no benefits to spouses or domestic partners.
 - Has no employees.
 - Has collective bargaining agreement(s) in place prior to January 1, 2011, that has not been renewed or expired.
- I request the City's approval to pay affected employees a cash equivalent in lieu of equal benefits and verify my firm made a reasonable effort but is not able to provide equal benefits upon contract award. I agree to notify employees of the availability of a cash equivalent for benefits available to spouses but not domestic partners and to continue to make every reasonable effort to extend all available benefits to domestic partners.

It is unlawful for any contractor to knowingly submit any false information to the City regarding equal benefits or cash equivalent associated with the execution, award, amendment, or administration of any contract. [San Diego Municipal Code §22.4307(a)] Under penalty of perjury under laws of the State of California, I certify the above information is true and correct. I further certify that my firm understands the requirements of the Equal Benefits Ordinance and will provide and maintain equal benefits for the duration of the contract or pay a cash equivalent if authorized by the City.

DOMINIC J. BURTECH / President & CEO
Name/Title of Signatory


Signature

9-9-16
Date

FOR OFFICIAL CITY USE ONLY

Receipt Date: EBO Analyst: Approved Not Approved – Reason:

(Rev 02/15/2011)

City of San Diego

CITY CONTACT: Michelle Muñoz, Contract Specialist, Email: MichelleM@sandiego.gov
Phone No. (619) 533-3482, Fax No. (619) 533-3633

ADDENDUM "A"

 - Bidding FOR



Pipeline Rehabilitation AM-1


BID NO.: K-17-1498-DBB-3
SAP NO. (WBS/IO/CC): B-16002
CLIENT DEPARTMENT: 2000
COUNCIL DISTRICT: 6
PROJECT TYPE: JA

BID DUE DATE:

2:00 PM
SEPTEMBER 9, 2016
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
1010 SECOND AVENUE, 14th FLOOR, MS 614C
SAN DIEGO, CA 92101

ENGINEER OF WORK

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



For City Engineer

8/29/16

Date

Seal:



A. CHANGES TO CONTRACT DOCUMENTS

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

C. NOTICE INVITING BIDS

1. To item 3, Estimated Construction Cost, page 4, DELETE in its entirety and SUBTITUTE with the following:

3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$5,540,000.00**

D. ADDITIONAL CHANGES

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

| Section | Item Code | Description | Unit of Measure | Quantity | Payment Reference | Unit Price |
|-----------------|---------------|-----------------------------------|-----------------|--------------|-------------------|---------------|
| Main Bid | | Field Orders (EOC Type II) | AL | 1 | 9-3.5 | <u>257500</u> |
| <u>Main Bid</u> | <u>237110</u> | <u>Service Lateral Connection</u> | <u>EA</u> | <u>1,127</u> | <u>500-4.9</u> | |

James Nagelvoort, Director
Public Works Department

Dated: *August 29, 2016*
San Diego, California

JN/AJ/mw

Bid Results for Project Pipeline Rehabilitation AM-1 (K-17-1498-DBB-3)

Issued on 08/11/2016

Bid Due on September 9, 2016 2:00 PM (Pacific)

Exported on 09/09/2016

| VendorID | Company Name | Address | City | ZipCode | Contact | Phone | Fax | Email | Vendor Type |
|----------|--------------------------------------|-------------------|-----------|---------|--------------|--------------|--------------|---------------------------|-------------------|
| 289090 | Burtech Pipeline Incorporated | 102 Second Street | Encinitas | 92024 | Buddy Aquino | 760-634-2822 | 760-634-2415 | buddy@burtechpipeline.com | PQUAL,CADIR,Local |

| Respondee | Respondee Title | Respondee Phone | Respondee Email |
|--------------|-----------------|-----------------|---------------------------|
| Buddy Aquino | Estimator | 760-634-2822 | buddy@burtechpipeline.com |

| Bid Format | Submitted Date | Delivery Method | Responsive | Status | Confirmation # | Ranking |
|------------|--|-----------------|------------|-----------|----------------|---------|
| Electronic | September 9, 2016 1:40:52 PM (Pacific) | | | Submitted | 88264 | 0 |

| Attachments | | |
|---------------------------------------|---|---------------------|
| File Title | File Name | File Type |
| Certification of Pending Actions AM-1 | Certification of Pending Actions AM-1.pdf | General Attachments |
| Equal Benefits Ordinance AM-1 | Equal Benefits Ordinance AM-1.pdf | General Attachments |
| Bid Bond AM-1 | Bid Bond AM-1.pdf | Bid Bond |

| Line Items | | | | | | | |
|------------|----------|-----------|---|-----------------|----------|--------------|--------------|
| Item Num | Section | Item Code | Description | Unit of Measure | Quantity | Unit Price | Line Total |
| 1 | Main Bid | 524126 | Bonds (Payment and Performance) | LS | 1 | \$32,000.00 | \$32,000.00 |
| 2 | Main Bid | 237110 | Sewage Bypass and Pumping Plan (Diversion Plan) | LS | 1 | \$500.00 | \$500.00 |
| 3 | Main Bid | 541330 | WPCP Development | LS | 1 | \$1,000.00 | \$1,000.00 |
| 4 | Main Bid | 237990 | WPCP Implementation | LS | 1 | \$1,000.00 | \$1,000.00 |
| 5 | Main Bid | 238990 | Video Recording of Existing Conditions | LS | 1 | \$1,000.00 | \$1,000.00 |
| 6 | Main Bid | 237110 | Mobilization | LS | 1 | \$75,000.00 | \$75,000.00 |
| 7 | Main Bid | | Field Orders (EOC Type II) | AL | 1 | \$257,500.00 | \$257,500.00 |
| 8 | Main Bid | 237310 | Additional Pavement Removal and Disposal | CY | 3 | \$1.00 | \$3.00 |
| 9 | Main Bid | 237310 | Cold Milling Full Width | SF | 31500 | \$0.38 | \$11,970.00 |
| 10 | Main Bid | 237310 | Asphalt Pavement Repair | TON | 5 | \$587.00 | \$2,935.00 |
| 11 | Main Bid | 237310 | Rubber Polymer Modified Slurry (RPMS) Type I Over Type III and Striping | SF | 12500 | \$1.64 | \$20,500.00 |
| 12 | Main Bid | 237310 | Asphalt Concrete Overlay and Striping | TON | 285 | \$98.00 | \$27,930.00 |
| 13 | Main Bid | 237310 | Pavement Fabric | SY | 3500 | \$3.60 | \$12,600.00 |
| 14 | Main Bid | 237310 | Crack Seal | LB | 60 | \$100.00 | \$6,000.00 |
| 15 | Main Bid | 237310 | Contractor Date Stamps and Impressions | EA | 2 | \$400.00 | \$800.00 |
| 16 | Main Bid | 237310 | Additional Curb and Gutter Removal and Replacement | LF | 200 | \$40.00 | \$8,000.00 |
| 17 | Main Bid | 237310 | Additional Sidewalk Removal and Replacement | SF | 375 | \$10.00 | \$3,750.00 |
| 18 | Main Bid | 237310 | Curb Ramp (Type A) with Stainless Steel Detectable Warning Tiles | EA | 6 | \$4,000.00 | \$24,000.00 |
| 19 | Main Bid | 237310 | Curb Ramp (Type B) with Stainless Steel Detectable Warning Tiles | EA | 1 | \$4,000.00 | \$4,000.00 |
| 20 | Main Bid | 237310 | Curb Ramp (Type C2) with Stainless Steel Detectable Warning Tiles | EA | 3 | \$4,100.00 | \$12,300.00 |
| 21 | Main Bid | 237310 | Curb Ramp (Type Case A) with Stainless Steel Detectable Warning Tiles | EA | 6 | \$3,900.00 | \$23,400.00 |
| 22 | Main Bid | 237310 | Curb Ramp Modified (Type B, Per [Detail A]) with Detectable Warning Tiles | EA | 1 | \$3,900.00 | \$3,900.00 |
| 23 | Main Bid | 237110 | Additional Bedding | CY | 15 | \$1.00 | \$15.00 |
| 24 | Main Bid | 237110 | Sewer Main (8 Inch) | LF | 528 | \$175.00 | \$92,400.00 |
| 25 | Main Bid | 237310 | Temporary Resurfacing | TON | 30 | \$100.00 | \$3,000.00 |
| 26 | Main Bid | 237110 | Removal and Replacement, Manholes (4 ft x 3 ft) | EA | 7 | \$9,000.00 | \$63,000.00 |
| 27 | Main Bid | 237110 | Sewer Lateral and Cleanout (4 Inch, Street) | EA | 9 | \$3,000.00 | \$27,000.00 |

| | | | | | | | | |
|----|----------|--------|--|----|-------|------------|-----------------|-----------------------|
| 28 | Main Bid | 237110 | Sewer Main Cleanout (8 Inch) | EA | 37 | \$3,250.00 | \$120,250.00 | |
| 29 | Main Bid | 237110 | Cleaning and Video Inspection of Existing Laterals | EA | 1127 | \$20.00 | \$22,540.00 | |
| 30 | Main Bid | 237110 | Cleaning and Video Inspection of Existing Pipelines and Culverts | LF | 41127 | \$0.65 | \$26,732.55 | |
| 31 | Main Bid | 237110 | Video Inspection of Pipelines and Culverts for Acceptance | LF | 41127 | \$0.65 | \$26,732.55 | |
| 32 | Main Bid | 237310 | Removal of Pavement Markings | SF | 300 | \$1.00 | \$300.00 | |
| 33 | Main Bid | 237310 | Painted Traffic Stripes and Painted Curb Markings | LF | 300 | \$2.00 | \$600.00 | |
| 34 | Main Bid | 237310 | Continental Crosswalks | SF | 1700 | \$3.00 | \$5,100.00 | |
| 35 | Main Bid | 237310 | Thermoplastic Pavement Markings | LS | 1 | \$2,800.00 | \$2,800.00 | |
| 36 | Main Bid | 237110 | Rehabilitate Sewer Main (8 Inch) | LF | 41127 | \$22.00 | \$904,794.00 | |
| 37 | Main Bid | 237110 | Point Repair for Existing Sewer Main (8 Inch) | EA | 13 | \$1.00 | \$13.00 | |
| 38 | Main Bid | 237110 | Additional Point Repair for Existing Sewer Main (8 Inch) | LF | 130 | \$1.00 | \$130.00 | |
| 39 | Main Bid | 237110 | Service Lateral Lining With Cleanout up to 7 ft in Depth | EA | 543 | \$1,900.00 | \$1,031,700.00 | |
| 40 | Main Bid | 237110 | Service Lateral Lining with Cleanout Greater than 7 ft in Depth | EA | 584 | \$1,500.00 | \$876,000.00 | |
| 41 | Main Bid | 237110 | Point Repair for Existing Service Lateral | EA | 55 | \$1.00 | \$55.00 | |
| 42 | Main Bid | 237110 | Rehabilitate Existing Manhole | EA | 27 | \$1,650.00 | \$44,550.00 | |
| 43 | Main Bid | 237110 | Rehabilitate Existing Manhole with Point Repair | EA | 4 | \$1,650.00 | \$6,600.00 | |
| 44 | Main Bid | 541330 | Traffic Control | LS | 1 | \$5,000.00 | \$5,000.00 | |
| 45 | Main Bid | 238210 | Remove and Reinstall Traffic Signs | EA | 8 | \$100.00 | \$800.00 | |
| 46 | Main Bid | 237310 | Curb Ramp Barricade | EA | 1 | \$500.00 | \$500.00 | |
| 47 | Main Bid | 237110 | Service Lateral Connection | EA | 1127 | \$775.00 | \$873,425.00 | |
| | | | | | | | Subtotal | \$4,664,125.10 |
| | | | | | | | Total | \$4,664,125.10 |

| Subcontractors | | | | | | | |
|---------------------------|---|-------------|----------------|--------------------------|----------------------------|---------------|---------|
| Name | Description | License Num | Amount | Type | Address | City | ZipCode |
| Nu-Line Technologies, LLC | Items 29, 30, 31, 36, 47 | 997520 | \$1,755,384.50 | FEM,MBE,CADIR,WBE | 102 Second Street, Suite B | Enclinitas | 92024 |
| YBS CONCRETE INC. | Items 15, 18, 19, 20, 21, 22 | 885270 | \$61,000.00 | CADIR,ELBE,LAT,MALE | 821 KUHN DR. STE 204 | CHULA VISTA | 91914 |
| SealRight Paving, Inc. | Items 9, 10, 12, 13, 14, 24, 26, 27, 28 | 364113 | \$107,680.68 | NAT,MALE,PQUAL,MBE,CADIR | 9053 Olive Dr. | Spring Valley | 91977 |
| National Coating & Lining | Item 42, 43 | 886430 | \$51,150.00 | | 26713 Madison Ave | Murrietta | 92562 |

| |
|-------------------------|
| Self-Performance |
| 57.65% |