

# 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:** Angelica Gil, Contract Specialist, Email: [AngelicaG@sandiego.gov](mailto:AngelicaG@sandiego.gov)  
Phone No. (619) 533-3622  
J. Ramos / A. Jaro / br

## BIDDING DOCUMENTS



**FOR**

## PIPELINE REHABILITATION AO-1

**BID NO.:** K-19-1719-DBB-3  
**SAP NO. (WBS/IO/CC):** B-16161  
**CLIENT DEPARTMENT:** 2011  
**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**

**AUGUST 22, 2018**

**CITY OF SAN DIEGO**

**PUBLIC WORKS CONTRACTS**

**525 B STREET, SUITE 750, MS 908A**

**SAN DIEGO, CA 92101**

**ENGINEER OF WORK**

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



Registered Engineer  
For City Engineer



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 AO-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 web site: <http://www.sandiego.gov>.
3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$4,100,000**.
4. **BID DUE DATE AND TIME ARE: AUGUST 22, 2018 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 are required for this contract: **A or C34**
7. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract.
  - 7.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1. SLBE participation	<b>6.1%</b>
2. ELBE participation	<b>9.2%</b>
3. Total mandatory participation	<b>15.3%</b>
  - 7.2. The Bid may be declared non-responsive if the Bidder fails to meet the following requirements:
    - 7.2.1. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; **OR**
    - 7.2.2. Submit Good Faith Effort documentation, saved in searchable Portable Document Format (PDF) and stored on Compact Disc (CD) or Digital Video Disc (DVD), demonstrating the Bidder made a good faith effort to outreach to and include SLBE-ELBE Subcontractors required in this document within 3 Working Days of the Bid opening if the overall mandatory participation percentage is not met.

**8. AWARD PROCESS:**

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

**9. SUBMISSION OF QUESTIONS:**

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

Public Works Contracts  
525 B Street, Suite 750, MS 908A  
San Diego, California, 92101  
Attention: Angelica Gil

OR:

[AngelicaG@sandiego.gov](mailto:AngelicaG@sandiego.gov)

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

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

## 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.
- 1.3. Due to the City's responsibility to protect the confidentiality of the contractors' information, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [PlanetBids™](#).

### 2. ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS: Bids will be received in electronic format (eBids) EXCLUSIVELY at the City of San Diego's electronic bidding (eBidding) site, at: <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 who has until the "Bid Due Date and Time" to change, rescind or retrieve its proposal should it desire to do so.
- 2.5. BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME.** Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results on line. City staff may then begin reviewing the submissions for responsiveness, EOCP compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.
- 2.6. RECAPITULATION OF THE WORK.** Bids shall not contain any recapitulation of the Work. Conditional Bids may be rejected as being non-responsive. Alternative proposals will not be considered unless called for.
- 2.7. BIDS MAY BE WITHDRAWN** by the Bidder only up to the bid due date and time.
- 2.7.1. Important Note:** Submission of the electronic bid into the system may not be instantaneous. Due to the speed and capabilities of the user's internet service provider (ISP), bandwidth, computer hardware and other variables, it may take time for the bidder's submission to upload and be received by the City's eBidding system. It is the bidder's sole responsibility to ensure their bids are received on time by the City's eBidding system. The City of San Diego is not responsible for bids that do not arrive by the required date and time.
- 2.8. ACCESSIBILITY AND AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE:** To request a copy of this solicitation in an alternative format, contact the Public Works Contract Specialist listed on the cover of this solicitation at least five (5) working days prior to the Bid/Proposal due date to ensure availability.

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

- 3.1.** The bidder, by submitting its electronic bid, acknowledges that doing so carries the same force and full legal effect as a paper submission with a longhand (wet) signature.
- 3.2.** By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.

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

**9. INSURANCE REQUIREMENTS:**

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

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

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

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

**12. CITY’S RIGHTS RESERVED:** The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for

such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.

- 13. CONTRACT PRICING:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein. The Bidder agrees to perform construction services for the City of San Diego in accordance with these contract documents for the prices listed below. The Bidder further agrees to guarantee the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee may be extended, by mutual consent of the parties, by the number of days required for the City to obtain all items necessary to fulfill all contractual conditions.

**14. SUBCONTRACTOR INFORMATION:**

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

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



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

- 19. ONLY ONE BID PER CONTRACTOR SHALL BE ACCEPTED:** No person, firm, or corporation shall be allowed to make, file, or be interested in more than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
- 20. SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, First floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms within these documents.
- 21. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:**
- 21.1.** For bids \$250,000 and above, bidders shall submit Bid Security at bid time. Bid Security shall be in one of the following forms: a cashier's check, or a properly certified check upon some responsible bank; or an approved corporate surety bond payable to the City of San Diego for an amount of not less than 10% of the total bid amount.
- 21.2.** This check or bond, and the monies represented thereby, will be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into the contract and furnish the required final performance and payment bonds.
- 21.3.** The Bidder agrees that in the event of the Bidder's failure to execute this contract and provide the required final bonds, the money represented by the cashier's or certified check will remain the property of the City; and the Surety agrees that it will pay to the City the damages, not exceeding the sum of 10% of the amount of the Bid, that the City may suffer as a result of such failure.
- 21.4.** At the time of bid submission, bidders must upload and submit an electronic PDF copy of the aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. Within twenty-four (24) hours after the bid due date and time, the first five (5) apparent low bidders must provide the City with the original bid security.
- 21.5.** Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original within twenty-four (24) hours may cause the bid to be rejected and deemed **non-responsive**.

**22. AWARD OF CONTRACT OR REJECTION OF BIDS:**

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

**23. BID RESULTS:**

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

**24. THE CONTRACT:**

- 24.1.** The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 24.2.** If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 24.3.** If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- 24.4.** Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 24.5.** The award of the Contract is contingent upon the satisfactory completion of the above-mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.

- 25. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding

Documents Proposal, Plans, and Specifications.

**26. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.

- 26.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 26.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 26.3.** The City of San Diego Municipal Code §22.3004 for Contractor Standards.
- 26.4.** The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 26.5.** Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 26.6.** The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 26.7.** The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.

**27. PRE-AWARD ACTIVITIES:**

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

**PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND**

---

**FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:**

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 **Three Million Seventy Four Thousand Eight Hundred Eighty Six Dollars and Ten Cents (\$3,074,886.10)** for the faithful performance of the annexed contract, and in the sum of **Three Million Seventy Four Thousand Eight Hundred Eighty Six Dollars and Ten Cents (\$3,074,886.10)** 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)**

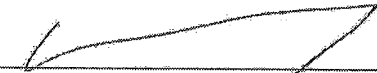
The Surety shall pay reasonable attorney's fees should suit be brought to enforce the provisions of this bond.

Dated AUGUST 29, 2018

Approved as to Form

BURTECH PIPELINE, INCORPORATED

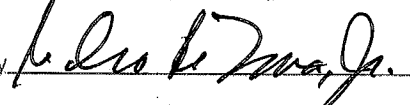
Principal

By 

DOMINIC J. BURTECH, JR., PRESIDENT

Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney

By   
Deputy City Attorney

NORTH AMERICAN  
SPECIALTY INSURANCE COMPANY

Surety

By 

SANDRA FIGUEROA, Attorney-in-fact

Approved:

6 HUTTON CENTRE DRIVE, SUITE 850

Local Address of Surety

By 

SANTA ANA, CA 92707

Local Address (City, State) of Surety

Stephen Samara  
Principal Contract Specialist  
Public Works Department

714/513-6839

Local Telephone No. of Surety

Premium \$ 21,327.00 PREMIUM IS FOR CONTRACT TERM  
AND IS SUBJECT TO ADJUSTMENT  
BASED ON FINAL CONTRACT PRICE

Bond No. 2276916

# CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

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

State of California }

County of San Diego }

On 8/30/18 before me, Arthur P. Arquilla, Notary Public,  
(Here insert name and title of the officer)

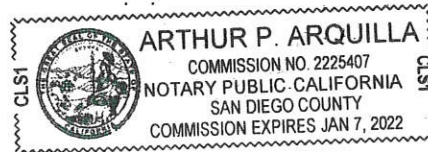
personally appeared Dominic Butech,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s)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

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

WITNESS my hand and official seal.

Arthur P. Arquilla  
Notary Public Signature

(Notary Public Seal)



### ADDITIONAL OPTIONAL INFORMATION

#### DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages \_\_\_\_\_ Document Date \_\_\_\_\_

#### CAPACITY CLAIMED BY THE SIGNER

- Individual (s)  
 Corporate Officer

\_\_\_\_\_  
(Title)

- Partner(s)  
 Attorney-in-Fact  
 Trustee(s)  
 Other \_\_\_\_\_

### INSTRUCTIONS FOR COMPLETING THIS FORM.

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

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



**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

CIVIL CODE § 1189

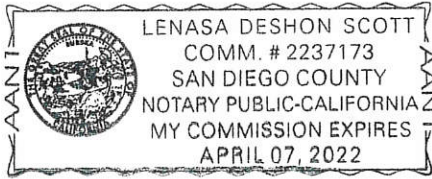
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }  
County of SAN DIEGO }

On 8/29/2018 before me, LENASA DESHON SCOTT, NOTARY PUBLIC  
*Date Here Insert Name and Title of the Officer*

personally appeared SANDRA FIGUEROA  
*Name(s) of Signer(s)*

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



Place Notary Seal and/or Stamp Above

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

WITNESS my hand and official seal.

Signature *Lenasa D Scott*  
*Signature of Notary Public*

**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: SANDRA FIGUEROA

- Corporate Officer – Title(s): \_\_\_\_\_
- Partner –  Limited  General
- Individual  Attorney in Fact
- Trustee  Guardian of Conservator
- Other: \_\_\_\_\_

Signer is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Corporate Officer – Title(s): \_\_\_\_\_
- Partner –  Limited  General
- Individual  Attorney in Fact
- Trustee  Guardian of Conservator
- Other: \_\_\_\_\_

Signer is Representing: \_\_\_\_\_

SWISS RE CORPORATE SOLUTIONS

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 Overland Park, Kansas, 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 Overland Park, Kansas, each does hereby make, constitute and appoint:

JOHN G. MALONEY, HELEN MALONEY, MARK D. IATAROLA, AND SANDRA FIGUEROA

HELEN E. WHEALDON

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 9<sup>th</sup> 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 12 day of JANUARY, 2018.

North American Specialty Insurance Company  
Washington International Insurance Company

State of Illinois  
County of Cook ss:

On this 12 day of JANUARY, 2018, 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 29th day of AUGUST, 2018.

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

## ATTACHMENTS

**ATTACHMENT A**  
**SCOPE OF WORK**

## SCOPE OF WORK

- 1. SCOPE OF WORK:** The proposed scope of work for this project is the trenchless rehabilitation of approximately 42,800 LF ( 8.11miles) of existing 8-inch, 10-inch, and 12-inch verified clay (VC) sewer mains and the replacement of approximately 257 LF (.05 miles) of existing 8-in VC sewer mains. The project also includes 15 point repairs, 2 new manholes, 5 manhole replacement, 7 manhole rehabilitation, 22 manhole repair, 25 sewer main cleanouts, assessment of all sewer laterals by CCTV, rehabilitation of existing sewer laterals, and installation of cleanouts at property line. Related work includes the installation of curb ramps and street resurfacing.

This project includes working within City of San Diego owned Montgomery-Gibbs Executive Airport.

- 1.1.** The Work shall be performed in accordance with:

- 1.1.1.** The Notice Inviting Bids and Appendix J, Site Maps sheets 1 through 31, inclusive.

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

See location Map per **Appendix E.**

- 3. CONTRACT TIME:** The Contract Time for completion of the Work, shall be **330 Working Days.**

**ATTACHMENT B**  
**PHASED FUNDING PROVISIONS**

## **PHASED FUNDING PROVISIONS**

### **1. PRE-AWARD**

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

### **2. POST-AWARD**

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

## PHASED FUNDING SCHEDULE AGREEMENT

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

**BID NUMBER:** \_\_\_\_\_

**CONTRACT OR TASK TITLE:** \_\_\_\_\_

**CONTRACTOR:** \_\_\_\_\_

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

Notes:

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

**CITY OF SAN DIEGO**

**CONTRACTOR**

PRINT NAME: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

**Construction Manager**

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

Date: \_\_\_\_\_

**Project Manager**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



**ATTACHMENT C**  
**INTENTIONALLY LEFT BLANK**

**ATTACHMENT D**  
**PREVAILING WAGES**

## PREVAILING WAGES

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

- 1.3. Payroll Records.** Contractor and its subcontractors shall comply with California Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.
- 1.3.1.** Contractor and their subcontractors shall also furnish records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.
- 1.4. Apprentices.** Contractor and its subcontractors shall comply with California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning the employment and wages of apprentices. Contractor is held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.
- 1.5. Working Hours.** Contractor and their subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on contractors and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.
- 1.6. Required Provisions for Subcontracts.** Contractor shall include at a minimum a copy of the following provisions in any contract they enter into with a subcontractor: California Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- 1.7. Labor Code Section 1861 Certification.** Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."
- 1.8. Labor Compliance Program.** The City has its own Labor Compliance Program authorized in August 2011 by the DIR. The City will withhold contract payments when payroll records are delinquent or deemed inadequate by the City or other governmental entity, or it has been established after an investigation by the City or other governmental entity that underpayment(s) have occurred. For questions or assistance, please contact the City of San Diego's 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. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid or proposal, subject to the requirements of section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

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

**1.9.2.** By submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Contractor shall provide proof of registration for themselves and all listed subcontractors to the City at the time of bid or proposal due date or upon request.

**1.10. Stop Order.** For Contractor or its subcontractors engaging in the performance of any public work contract without having been registered in violation of Labor Code sections 1725.5 or 1771.1, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractors or unregistered subcontractor(s) on ALL public works until the unregistered contractor or unregistered subcontractor(s) is registered. Failure to observe a stop order is a misdemeanor.

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

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

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

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

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

**ATTACHMENT E**  
**SUPPLEMENTARY SPECIAL PROVISIONS**

## **SUPPLEMENTARY SPECIAL PROVISIONS**

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

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

---

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

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

The **Normal Working Hours** are **8:30 AM** to **3:30 PM**, unless otherwise directed by the Traffic Control Plans or SSP Section 2-14.3 coordination, item 3.

### **SECTION 2 - SCOPE AND CONTROL OF WORK**

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

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

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

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



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

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

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

**ADD:**

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

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

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

- 2. Other adjacent City projects are scheduled for construction for the same time period in the vicinity of Convoy Street between Kearny Mesa Road to north of Copley Park Place to the 52 offramp. See **Appendix F** for the approximate location. Coordinate the Work with the adjacent projects as listed below:
  - a) AC Water & Sewer 1042, Jaime Ramos-Bañuelos, Project Manager, (619) 533-5103
  - b) Water and Sewer Group 955, Reyhaneh Martin, Project Manager, (619) 533-4131
  - c) Balboa Avenue Corridor, Negin Afagh, Project Manager, (619) 235-1999
- 3. Montgomery-Gibbs Executive Airport :
  - a) Point of contact for coordination, information regarding access and work schedule for the construction work is Charles Broadbent at

(858)-573-1440 and email is [cbroadbent@sandiego.gov](mailto:cbroadbent@sandiego.gov). Working hours for work proposed by site maps 30 and 31 are 9:00 PM to 5:00 AM.

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

**SECTION 3 – CHANGES IN WORK**

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

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

<b>Component</b>	<b>Overhead</b>	<b>Profit</b>
Labor	10%	10%
Material	10%	5%
Equipment	10%	5%

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

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

**ADD:**

**3-5.1** **Claims.**

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

**3-5.1.1** **Initiation of Claim.**

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

**3-5.1.1.1** **Claim Certification Submittal.**

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

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

**3-5.1.2 Initial Determination.**

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

**3-5.1.3 Settlement Meeting.**

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

**3-5.1.4 City's Final Determination.**

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

**3-5.1.5 Mandatory Assistance.**

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

**3-5.1.5.1 Compensation for Mandatory Assistance.**

- 1. The City will reimburse you for reasonable fees and expenses incurred by you for any required assistance rendered in accordance with 3-5.1.5, "Mandatory Assistance" as Extra Work.
- 2. The Engineer will determine whether these fees and expenses were necessary due to your conduct or failure to act.
- 3. If the Engineer determines that the basis of the dispute or litigation in which these fees and expenses were incurred were the result of your conduct or your

failure to act in part or in whole, you shall reimburse the City for any payments made for these fees and expenses.

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

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

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

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

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

**ADD:**

**3-5.4 Pre-judgment Interest.**

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

## SECTION 4 - CONTROL OF MATERIALS

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

**ADD:**

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

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

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

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

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

- 4-1.3.6 Preapproved Materials.** To the "WHITEBOOK", ADD the following:
3. You shall submit in writing a list of all products to be incorporated in the Work that are on the AML.

- 4-1.6 Trade Names or Equals.** To the "WHITEBOOK", ADD the following:
11. You shall submit your list of proposed substitutions for an "equal" item **no later than 5 Working Days after the determination of the Apparent Low Bidder** and on the City's Product Submittal Form available at:

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

## SECTION 5 – UTILITIES

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

- 5-2 PROTECTION.** To the "WHITEBOOK", item 2, ADD the following:
- g) Refer to **Appendix O** for more information on the protection of AMI devices.

## SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

- 6-1.1 Construction Schedule.** To the "WHITEBOOK", items 5, 9, 20, and 22, DELETE in their entirety and SUBSTITUTE with the following:
5. Monthly progress payments are contingent upon the submittal of an updated Schedule and cash flow forecast as discussed in item 22 of 6-1.1, "Construction Schedule" to the Engineer. The Engineer may refuse to recommend the whole or part of any monthly payment if, in the Engineer's opinion, your failure or refusal to provide the required Schedule and cash flow forecast information precludes a proper evaluation of your ability to complete the Project within the Contract Time and amount.
  9. Inclusive to the Contract Time, include 15 Working Days to the Schedule for the generation of the Punchlist. You shall Work diligently to complete all Punchlist items within 30 Working Days after the Engineer provides the Punchlist.
  20. The **90 Calendar Days** for the Plant Establishment Period is included in the stipulated Contract Time. Time and shall begin with the acceptance of installation of the vegetation plan in accordance with Section 801-6, "MAINTENANCE AND PLANT ESTABLISHMENT".

22. With every pay request, submit the following:
- a) An updated cash flow forecast showing periodic and cumulative construction billing amounts for the duration of the Contract Time. If there has been any Extra Work since the last update, include only the approved amounts.
  - b) A curve value percentage comparison between the Contract Price and the updated cash flow forecast for each Project ID included in the Contract Documents. Curve values shall be set on a scale from 0% to 100% in intervals of 5% of the Contract Time. Refer to the Sample City Invoice materials in **Appendix D – Sample City Invoice with Spend Curve** and use the format shown. Your invoice amounts shall be supported by this curve value percentage. For previous periods, use the actual values and percentages and update the curve value percentages accordingly. See “Cash Flow Curve Fitting Example” at the location below:

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

**6-2.1 Moratoriums.** To the “WHITEBOOK”, ADD the following:

- 3. Do not Work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are provided here:
  - a) Map 18 and 19 from 1/23/2016 to 1/23/2019 (Slurry Moratorium).
  - b) Map 20 and 21 from 2/5/2014 to 2/5/2019 (Overlay Moratorium).
  - c) Map 25,26,27,28,29 from 12/26/2013 to 12/26/2018 (Overlay Moratorium)

**ADD:**

**6-3.2.1.1 Environmental Document.**

- 1. The City of San Diego has prepared a **Notice of Exemption** for **Pipeline Rehabilitation AO-1, Project No. B-16161.02.06**, 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.

**6-3.2.2.1 Payment.** To the “WHITEBOOK”, item 1, DELETE in its entirety and SUBSTITUTE with the following:

- 1. The full compensation for the Archaeological and Native American monitoring program and report preparation, as described in the Contract Appendices, shall be included in the Lump Sum or Linear Foot Bid item for **“Archaeological and**



**Native American Monitoring Program**” and shall include the payment for Work performed on laterals and other services, such as potholing and other trenching. No payment shall be made unless the qualified archaeologist is present to verify during the performance of the Work.

**6-7 TIME OF COMPLETION.** To the “WHITEBOOK”, ADD the following:

2. You shall complete the liner installation of 26,400 linear feet (5 miles) of sewer main and lateral reinstatements as verified by the Resident Engineer by June 30, 2019. The remaining work as part of the contract shall be completed within the remaining number of working days.
3. Construction work within Convoy Street shall be completed first.
4. All Construction work within Montgomery Field Airport shall be completed second.

**6-8.3 Warranty.** To the “WHITEBOOK”, item 1, DELETE in its entirety and SUBSTITUTE with the following:

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

## **SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR**

**7-3 INSURANCE.** To the “GREENBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

**7-3 INSURANCE.**

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

**7-3.1 Policies and Procedures.**

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

accordance with this Contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this Contract.

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

**7-3.2 Types of Insurance.**

**7-3.2.1 Commercial General Liability Insurance.**

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

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

**7-3.2.2 Commercial Automobile Liability Insurance.**

1. You shall provide a policy or policies of Commercial Automobile Liability Insurance written on the current version of the ISO form CA 00 01 12 90 or

later version or equivalent form providing coverage at least as broad in the amount of \$1,000,000 combined single limit per accident, covering bodily injury and property damage for owned, non-owned, and hired automobiles ("Any Auto").

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

### **7-3.2.3 Contractors Pollution Liability Insurance.**

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

**7-3.3 Rating Requirements.** Except for the State Compensation Insurance Fund, all insurance required by this Contract as described herein shall be carried only by responsible insurance companies with a rating of, or equivalent to, at least "A-, VI" by

A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

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

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

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

**7-3.5 Policy Endorsements.**

**7-3.5.1 Commercial General Liability Insurance.**

**7-3.5.1.1 Additional Insured.**

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

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

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

**7-3.5.2 Commercial Automobile Liability Insurance.**

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

**7-3.5.3 Contractors Pollution Liability Insurance Endorsements.**

**7-3.5.3.1 Additional Insured.**

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

Except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of § 2782 of the California Civil Code apply, this endorsement shall not provide any duty of indemnity

coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.

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

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

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

**7-3.5.5.1 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.

**7-3.5.5.2 Builders Risk – Partial Utilization.** If the City desires to occupy or use a portion or portions of the Work prior to Acceptance in accordance with this Contract, the City will notify you and you shall immediately notify your Builder's Risk insurer and obtain an endorsement that the policy or policies shall not be cancelled or lapse on account of any such partial use or occupancy. You shall obtain the endorsement prior to the City's occupation and use.

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

**7-3.7 Reservation of Rights.** The City reserves the right, from time to time, to review your insurance coverage, limits, deductibles and self-insured retentions to determine if

they are acceptable to the City. The City will reimburse you, without overhead, profit, or any other markup, for the cost of additional premium for any coverage requested by the Engineer but not required by this Contract.

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

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

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

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

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

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

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

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

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

**ADD:**

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

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

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

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

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

1. The Contract is subject to City's Municipal Code §22.3004 as amended 10/29/13 by ordinance O-20316.
2. You shall complete a Pledge of Compliance attesting under penalty of perjury that you complied with the requirements of this section.
3. You shall ensure that all Subcontractors complete a Pledge of Compliance attesting under penalty of perjury that they complied with the requirements of this section.
4. You shall require in each subcontract that the Subcontractor shall abide by the provisions of the City's Municipal Code §22.3004. A sample provision is as follows:  
  
"Compliance with San Diego Municipal Code §22.3004. The Subcontractor acknowledges that it is familiar with the requirements of San Diego Municipal Code §22.3004 ("Contractor Standards"), and agrees to comply with requirements of that section. The Subcontractor further agrees to complete the Pledge of Compliance, incorporated herein by reference."

**ADD:**

**7-13.8 Equal Pay Ordinance.**

1. You shall comply with the Equal Pay Ordinance (EPO) codified in the San Diego Municipal Code (SDMC) in section 22.4801 through 22.4809, unless compliance is not required based on an exception listed in SDMC section 22.4804.
2. You shall require all of your Subcontractors to certify compliance with the EPO in their written subcontracts.



3. You shall post a notice informing your employees of their rights under the EPO in the workplace or job site.
4. By signing this Contract with the City of San Diego, you acknowledge the EPO requirements and pledge ongoing compliance with the requirements of SDMC Division 48, section 22.4801 et seq., throughout the duration of this Contract.

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

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

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

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

## **SECTION 203 - BITUMINOUS MATERIALS**

**203-3.4.4 RUBBER POLYMER MODIFIED SLURRY (RPMS).** To the "WHITEBOOK", DELETE in its entirety.

**203-3.4.4.1 General.** To the "WHITEBOOK", DELETE in its entirety.

**ADD:**

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

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

**ADD:**

**203-5.6 RUBBER POLYMER MODIFIED SLURRY (RPMS).**

**203-5.6.1 General.**

1. Rubber polymer modified slurry (RPMS) is a crumb rubber asphalt slurry-seal surface treatment. RPMS shall be a stable mixture of asphaltic emulsion, mineral aggregate, set-control additives, specially produced and graded crumb rubber, polymer, mineral fillers, carbon black, and water. The materials for RPMS shall conform to 203-5.4, "Emulsion-Aggregate Slurry (EAS)" and these specifications.

Mixing and spreading of RPMS shall be as described in 302-4.12, "Rubber Polymer Modified Slurry (RPMS)".

2. RPMS shall be used for this Contract.

**203-5.6.2 Materials.**

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

<b>Quality Tests for Emulsion</b>	<b>Test</b>	<b>Requirements</b>
AASHTO T59	Residue after Distillation	60% min.
ASTM D244		
<b>Quality Tests for Residue</b>	<b>Test</b>	<b>Requirements</b>
AASHTO T49	Penetration at 77° F (25° C)	40% - 90%
ASTM D2397		

- b) Quick setting Type CQS-1h Asphaltic Emulsion shall test positive for Particle Charge when tested in accordance with the applicable ASTM test designation. If the Particle Charge Test result is inconclusive, the asphaltic emulsion shall meet a pH requirement of 6.7 maximum.
- c) Water shall be potable and of such quality that the asphalt will not separate from the emulsion before the application of slurry seal.
- d) If necessary for workability, a set-control agent that will not adversely affect the RPMS material may be added.
- e) Polymer additive shall be SBR Latex or approved equal, which is added at a minimum of 2% by weight of the asphaltic emulsion.
- f) Crumb Rubber.
  - i. Crumb rubber shall be ambient granulated or ground from whole passenger tires, truck tires, or a combination only in

conformance with the requirements indicated in Tables 203-5.6.2 (A), 203-5.6.2 (B), and 203-5.6.2 (C).

- ii. Un-curing or de-vulcanized rubber shall not be acceptable. Rubber tire buffing from either recapping or manufacturing processes may not be used as a supplement to the crumb rubber mixture.
- iii. In order to remove steel and fabric, an initial separation stage which subjects the rubber to freezing temperatures may be used.
- iv. The crumb rubber shall not be elongated or hair-like in shape and individual particles shall not be greater than 1/20 of an inch in length.
- v. The crumb rubber shall be free of contaminants including fiber, metal, and mineral matter within the following tolerances: the fiber content shall be less than 0.30% by weight and the crumb rubber shall be free of metal particles. Metal imbedded in rubber particles shall not be allowed. The amount of mineral contaminants allowed shall not exceed 0.10% by weight.
- vi. The crumb rubber shall be dry with a moisture content of less than 0.75%.

**TABLE 203-5.6.2 (A)**

**CRUMB RUBBER CHEMICAL PROPERTIES SPECIFICATION**

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

**TABLE 203-5.6.2 (B)**

**CRUMB RUBBER GRADATION REQUIREMENTS**

<b>Sieve Size</b>	<b>Percent Passing</b>
No. 30	100
No. 40	90 - 100

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

**TABLE 203-5.6.2 (C)**

**TESTING METHODS FOR CRUMB RUBBER ANALYSIS**

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

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

**TABLE 203-5.6.2 (D)**

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

- viii. Additives may be used to accelerate or retard the break-set of the RPMS. The use of additives shall be in quantities specified in the mix design.
- ix. Mineral filler such as Portland cement, hydrated lime, limestone dust, fly ash, or other approved filler meeting the requirements of ASTM D242 shall be used if required by the mix design and may be used to facilitate set times as needed.

Any cement used shall be considered as part of the dry aggregate weight for mix design purposes.

- x. The mineral aggregate used shall be the type and grade specified for the particular Type of RPMS. The aggregate shall be manufactured crushed stone such as granite, slang, limestone, chat, other high quality aggregate, or a combination thereof. Aggregate shall consist of rock dust except that 100% of any aggregate of combination of aggregates larger than the No. 50 sieve size used in the mix shall be obtained by crushing rock. The material shall be free from vegetable matter and other deleterious substances. The aggregate shall be free of caked lumps and oversized particles. The aggregate shall also conform to the following requirements in Table 203-5.6.2 (E).

**TABLE 203-5.6.2 (E)**

<b>Test</b>	<b>California Test</b>	<b>Requirements</b>
Sand Equivalent	217	45 min.
Durability Index	229	55 min.

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

**203-5.6.3 Composition and Grading.**

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

**TABLE 203-5.6.3 (A)**

**TYPE I SLURRY SEAL GRADATION**

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

**TABLE 203-5.6.3 (B)**

**TYPE II SLURRY SEAL GRADATION**

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

**TABLE 203-5.6.3 (C)**

**TYPE III SLURRY SEAL GRADATION**

<b>Sieve Size</b>	<b>Percentage Passing</b>	<b>Stockpile Tolerance</b>
No.3/8	100	± 5%
No.4	70 - 90	± 5%
No.8	45 - 70	± 5%
No.16	28 - 50	± 5%
No.30	19 - 34	± 5%
No.50	12 - 25	± 4%
No.100	7 - 18	± 3%
No.200	5 - 15	± 2%

2. The job mix (target) gradation shall be within the gradation band for the desired type. After the target gradation has been submitted, the percent passing each sieve shall not be more than the stockpile tolerance.
3. The aggregate shall be accepted at the Site or stockpile. The stockpile shall be accepted based on 5 gradation tests according to California Test 202, modified by California Test 105 when there is a difference in specific gravity of 0.2 or more between blends of different aggregates. If the average of the 5 tests is within the gradation tolerances, then the material will be accepted. If the test shows the material to be out, you may choose to remove the material or blend other aggregates with the stockpile material to bring it into compliance with these specifications. Materials used in blending shall meet the quality test before blending and shall be blended in a manner to produce a consistent gradation.
4. When the results of either the Aggregate Grading or the Sand Equivalent test do not conform to the requirements specified, the aggregate shall be

removed. However, if requested in writing and approved by the Engineer, the aggregate may be used and you shall pay to the agency \$1.75 per ton for such aggregate left in place. No single aggregate grading or sand equivalent tests shall represent more than 300 tons or one day's production, whichever is smaller.

**203-5.6.4 Mix Design.**

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

**TABLE 203-5.6.4**

<b>Test</b>	<b>Description</b>	<b>Specification</b>
ISSA T-106	Slurry Seal Consistency	Pass
ISSA TB-109	Excess Asphalt	50 grams/ft <sup>2</sup> maximum
ISSA TB-100 (Type I)	The Wet Track Abrasion	50 grams/ ft <sup>2</sup> maximum
ISSA TB-100 (Type II)	The Wet Track Abrasion	60 grams/ ft <sup>2</sup> maximum
ISSA TB-100 (Type III)	The Wet Track Abrasion	60 grams/ ft <sup>2</sup> maximum
ISSA TB-113	Mixing Time	Controllable to 150 seconds minimum
ISSA TB-114	The Wet Stripping	Pass

2. The Mixing Time test shall be done at the highest temperatures expected during construction. The original lab report shall be signed by the laboratory that performed the mix design and shall show the results of the tests on individual materials. The report shall clearly show the proportions of aggregate, mineral filler (minimum and maximum), water (minimum and maximum), additive (s) (usage), asphalt emulsion, and asphalt rubber blend based on the dry weight of the aggregate.
3. Component materials used in the mix design shall be representative of your proposed materials. The percentage of each individual material required shall

be shown in the laboratory report. Adjustments may be required during the construction based on field conditions.

4. The component materials shall be within the following limits:
  - a) Residual Asphalt Type I, 10% - 16% based on dry weight of aggregate.
  - b) Residual Asphalt Type II, 7.5% - 13.5% based on dry weight of aggregate.
  - c) Residual Asphalt Type III, 6.5% - 12% based on dry weight of aggregate.
  - d) The crumb rubber will be added to the rubberized slurry mix at a rate of 5% by volume to the asphalt cement.
  - e) Polymer additive shall be added at 2% of finished emulsion.
  - f) Carbon Black shall be added at 1.3% to 2% of the finished emulsion.
  - g) Mineral filler shall be 0.5% - 2.0% (if required by mix design) based on dry weight of aggregate.
  - h) Additives, as needed.
  - i) Water, as needed to achieve proper mix consistency (total mix liquids shall not exceed the loose aggregate voids).

## SECTION 217 – BEDDING AND BACKFILL MATERIALS

**217-2.2 Stones, Boulders, and Broken Concrete.** To the “GREENBOOK”, Table 217-2.2, DELETE in its entirety and SUBSTITUTE with the following:

**TABLE 217-2.2**

Zone	Zone Limits	Maximum Size (greatest dimension)	Backfill Requirements in Addition to 217-2.1
Street or Surface Zone	From ground surface to 12" (300 mm) below pavement subgrade or ground surface	2.5" (63 mm)	As required by the Plans or Special Provisions.
Street or Surface Zone Backfill of Tunnels beneath Concrete Flatwork		Sand	Sand equivalent of not less than 30.
Trench Zone	From 12" (300 mm) below pavement subgrade or ground surface to 12" (300 mm) above top of pipe or box	6" (150 mm)	
Deep Trench Zone (Trenches 3' (0.9 m) wide or wider)	From 60" (1.5 m) below finished surface to 12" (300 mm) above top of pipe or box	Rocks up to 12" (300 mm) excavated from trench may be placed as backfill	



<b>Zone</b>	<b>Zone Limits</b>	<b>Maximum Size (greatest dimension)</b>	<b>Backfill Requirements in Addition to 217-2.1</b>
Pipe Zone	From 12" (300 mm) above top of pipe or box to 6" (150 mm) below bottom of pipe or box exterior	2.5" (63 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour).
Overexcavation	Backfill more than 6" (150 mm) below bottom of pipe or box exterior	6" (150 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour). Trench backfill slurry (100-E-100) per 201-1 may also be used.

### **SECTION 302 – ROADWAY SURFACING**

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

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

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

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

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

### **SECTION 304 –METAL FABRICATION AND CONSTRUCTION**

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

## SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION

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

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

### 306-7.8.2.1 General. To the “WHITEBOOK”, item 2, ADD the following:

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

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

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

To the "WHITEBOOK", item 7, ADD the following:

The payment for the inspection Work for the private pump system shall also be included in the Bid item for "Private Pump System".

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

**314-4.3.7**      **Payment.** To the "GREENBOOK", ADD the following:

1.      The payment for the replacement of existing traffic striping, pavement markings, and pavement markers shall be included in the Bid item for "Striping" and shall also include the payment for new installations of traffic striping, pavement markings, and pavement markers.

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

1.      No separate payment shall be made for establishing alignment for stripes and layout Work.
2.      The payment for the installation of proposed thermoplastic striping and thermoplastic pavement markings, in accordance to the Plans, shall be included in the Bid items for "Thermoplastic Traffic Striping" and "Thermoplastic Pavement Markings".

3. The payment for the thermoplastic traffic striping of continental crosswalks shall be included in the Bid item for "Continental Crosswalks" and shall include the removal of existing striping, pavement markers, and paving markings.
4. The payment for the removal and replacement of existing traffic striping, pavement markings, and pavement markers shall be included in the Bid item for "Striping" and shall also include the payment for new installations of traffic striping, pavement markings, and pavement markers.

## **SECTION 500 – PIPELINE, MANHOLE, AND STRUCTURE REHABILITATION**

**500-1.1.2.1 Initial Submittals.** To the "WHITEBOOK", ADD the following:

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

**ADD:**

**500-1.1.6.1 Order of Work for Rehabilitation Installation.**

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

**ADD:**

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

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

**500-1.6.3 General.** To the “WHITEBOOK”, item 2, DELETE in its entirety and SUBSTITUTE with the following:

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

**500-1.6.6 Payment.** To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

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

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

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

2. The point repair Work for sewer laterals shall be in accordance with 500-1.2, “Pipeline Point Repair/Replacement” and shall be included in the Bid item for each “Point Repair for Existing Sewer Lateral”. Measurement shall be made at the pipe and shall be based on the length of pipe repaired. You shall be paid for 1 point repair for each repair 8 ft (2.43 m) or less in length. This payment

shall include all necessary labor, materials, and equipment to clean, repair, excavate, and inspect the Point Repair.

3. The payment for cleaning and video inspection for rehabilitated laterals shall be paid in accordance with 306-18.7, "Payment".

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

**ADD:**

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

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

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

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

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

## **SECTION 600 - ACCESS**

**ADD:**

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

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

**601-2.1 GENERAL.** To the "WHITEBOOK", ADD the following:

4. For Convoy Street the traffic control plans for AC Water & Sewer Group 1042 (D-40354), Appendix P shall be used. Shop drawings will be used for the other areas outside of Convoy Street for the project.

## SECTION 700 – MATERIALS

**700-9.1 Pedestrian Barricade.** To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. Pedestrian barricades shall be constructed in accordance with the City of San Diego Standard Drawing SDE-103, “Pedestrian Barricade”.
2. Curb ramp barricades shall be constructed in accordance with the City of San Diego Standard Drawing SDG-140, “Curb Ramp Barricade”.
3. Assembly shall be commercial quality galvanized material.

## SECTION 701 – CONSTRUCTION

**701-2 PAYMENT.** To the “WHITEBOOK”, ADD the following:

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

## SECTION 801 – INSTALLATION

**801-9 PAYMENT.** To the “WHITEBOOK”, ADD the following:

4. Payment for “Remove and Replace Landscaping and Irrigation” shall include the removal, disposal and replacement of existing vegetation and irrigation system within limits of work. This bid item shall also include restoration of all hardscape items, including: removal, disposal and replacement within the affected landscape/planter areas.

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

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

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

## END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

**SUPPLEMENTARY SPECIAL PROVISIONS**  
**APPENDICES**



**APPENDIX A**  
**NOTICE OF EXEMPTION**

**NOTICE OF EXEMPTION**

*(Check one or both)*

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

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

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

PROJECT No.: B-16161.02.06

PROJECT TITLE: Pipeline Rehabilitation A0-1

PROJECT LOCATION-SPECIFIC: The project is located within the public right-of-way and City-owned easements along portions of the following streets and areas within the Kearny Mesa Community Planning Area (Council District 6): Convoy Court, Clairemont Mesa Boulevard, Raytheon Road, Ronson Road, Engineer Road, Opportunity Road, Dagget Street, Balboa Avenue, Armour Street, Othello Avenue, and Mercury Street. In addition, a portion of the project is located on the Montgomery Field Airport north of Gibbs Drive.

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

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: The project will rehabilitate approximately 33,074 LF (6.26 miles) of existing 8-inch, 10-inch, and 12-inch diameter vitrified clay sewer mains identified by the Public Utilities Department as needing maintenance and rehabilitation due to age and deterioration. In addition, 817 LF (0.16 miles) of existing 8-inch diameter vitrified clay sewer mains (in the easement off Raytheon Road) will be replaced. The project also includes nine (9) point repairs, four (4) manhole replacements, five (5) manhole rehabilitations, twenty two (22) manhole repairs, nineteen (19) new sewer main cleanouts, sewer lateral rehabilitation, street resurfacing, and installation of cleanouts at the property lines. Rehabilitation would be achieved using trenchless technology. Point repairs, replacement of existing manholes, and new cleanouts would require open trenching within the existing utility alignments. Open trenching will occur within paved right of way and within city easements on private property.

In addition, a segment of pipeline rehabilitation, replacement and repair is located on Montgomery Field Airport and within the City's Multi-Habitat Planning Area (MHPA). The sewer facility within Montgomery Field Airport requires access to three manholes for pipeline rehabilitation and repair of the manholes, which will not require any excavation. Construction access within the MHPA will be limited to hand crews only, and all work in this area would be conducted during the day using hand carried equipment and materials. All appropriate construction Best Management Practices (BMPs) shall be installed and maintained prior to and during construction activities to prevent the release of debris, toxins, chemicals, and erosion runoff into adjacent undeveloped/sensitive areas from the project site. A Traffic Control Plan (TCP) will also be implemented throughout construction.

NAME OF PUBLIC AGENCY APPROVING PROJECT: San Diego/San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego Public Works Department  
Contact: Gretchen Eichar  
525 B Street, Suite 750, San Diego, CA 92101  
(619) 533-4110

Exempt Status: (CHECK ONE)

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

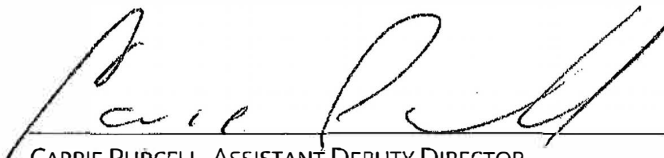
REASONS WHY PROJECT IS EXEMPT: The City of San Diego has conducted an environmental review and determined the project meets the categorical exemption criteria set forth in CEQA State Guidelines, Sections 15301(b), which allows for repair, maintenance, and minor alteration of existing public facilities used to provide sewerage involving negligible or no expansion of capacity (i.e. rehabilitation of sewer mains, manholes, and sewer laterals; point repairs; and manhole replacement); Section 15302(c) allowing replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity (i.e. point repairs and manhole replacement); and Section 15304(f) minor alterations to land to include minor trenching and backfill where the surface is restored (i.e. point repairs, manhole replacements, cleanouts); and where the exceptions listed in 15300.2 would not apply. All work would occur within previously disturbed soils, and no sensitive vegetation will be removed. A portion of the work occurs on Montgomery Field Airport within the City's MHPA. Vernal pools have been identified on the airport property. City biologists and MSCP staff have reviewed the project and construction methods for rehabilitation/repair work within and adjacent to the MHPA, and determined the project would not result in any adverse impacts to vernal pools or sensitive species. The project has been designed consistent with the City of San Diego's Multiple Species Conservation Program (MSCP) Section 1.4.3 Land Use Adjacency Guidelines (LUAGs). With implementation of the MSCP LUAG's and appropriate construction BMPs, no impacts to the MHPA and adjacent vernal pool resources would occur as a result of project implementation.

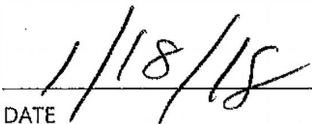
LEAD AGENCY CONTACT PERSON: Gretchen Eichar, Senior Planner

TELEPHONE: (619) 533-4110

IF FILED BY APPLICANT:

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

  
 \_\_\_\_\_  
 CARRIE PURCELL, ASSISTANT DEPUTY DIRECTOR

  
 \_\_\_\_\_  
 DATE

CHECK ONE:

- SIGNED BY LEAD AGENCY
- SIGNED BY APPLICANT

DATE RECEIVED FOR FILING AT OPR:

**APPENDIX B**  
**FIRE HYDRANT METER PROGRAM**

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

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



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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).

**Water Department Director**

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

#### APPENDIX

**Administering Division:** Customer Support Division

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

**Distribution:** DI Manual Holders



# Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

## Meter Information

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

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

## Company Information

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

<b>Fire Hydrant Meter Removal Request</b>	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: <b>\$ 936.00</b> Fees Amount: <b>\$ 62.00</b>
Meter Serial #	Meter Size: <b>05</b> Meter Make and Style: <b>6-7</b>
Backflow #	Backflow Size: Backflow Make and Style:
Name:	Signature: Date:

**WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER**

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

**Note:**

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



Date

Name of Responsible Party  
Company Name and Address  
Account Number: \_\_\_\_\_

Subject:           Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

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

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

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

Sincerely,

Water Department

## **APPENDIX C**

### **MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE**

## MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

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

## APPENDIX D

### SAMPLE CITY INVOICE WITH SPEND CURVE

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

**Project Name:**

Work Order No or Job Order No.

City Purchase Order No.

Resident Engineer (RE):

RE Phone#: Fax#:

**Contractor's Name:**

Contractor's Address:

Contractor's Phone #:

Contractor's fax #:

Contact Name:

**Invoice No.**

**Invoice Date:**

Billing Period: ( To )

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

**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	\$ -
<b>G. Payment Due Less Retention</b>	<b>\$0.00</b>
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
<b>Add'l Amt to Withhold in PO/Transfer in Escrow:</b>	<b>\$0.00</b>
<b>Amt to Release to Contractor from PO/Escrow:</b>	

Contractor Signature and Date: \_\_\_\_\_

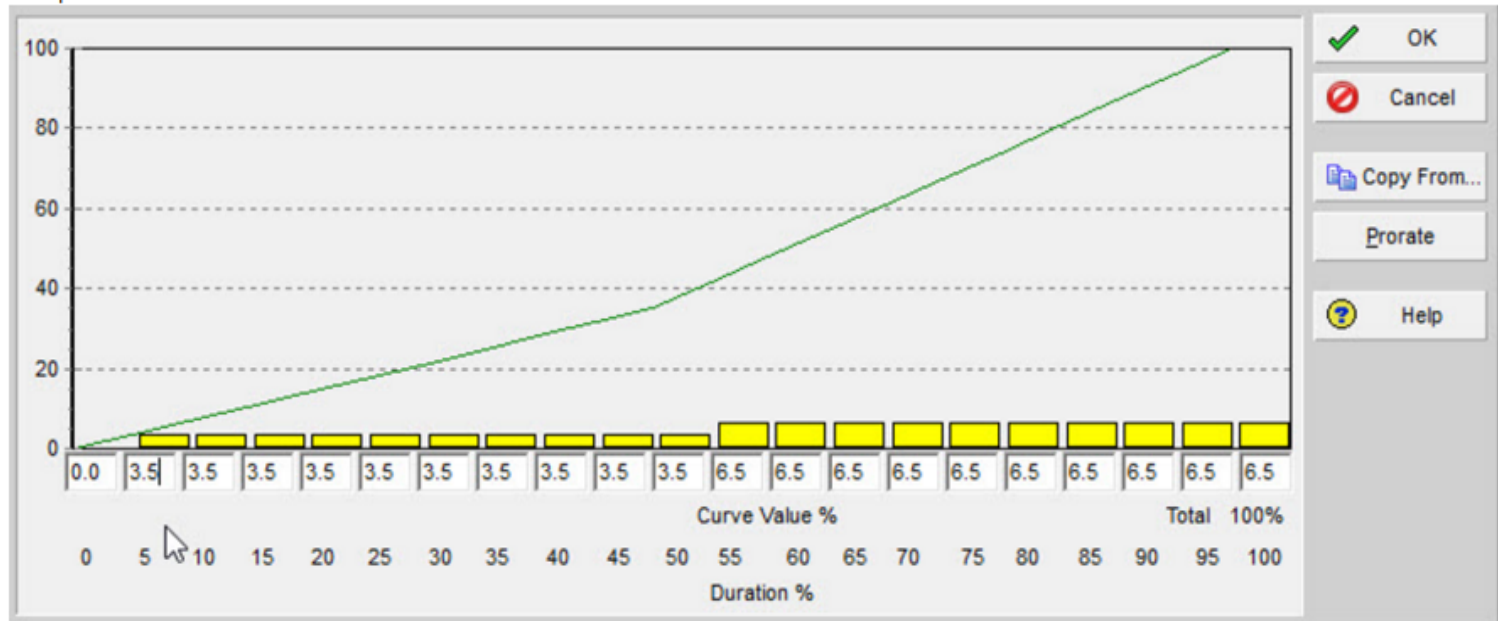
## Sample Project Spend Curve

Sample Date Entries Required

Incremental Curve Value  
Duration % Increment

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

Sample Screenshot from Primavera P6



**APPENDIX E**  
**LOCATION MAP**

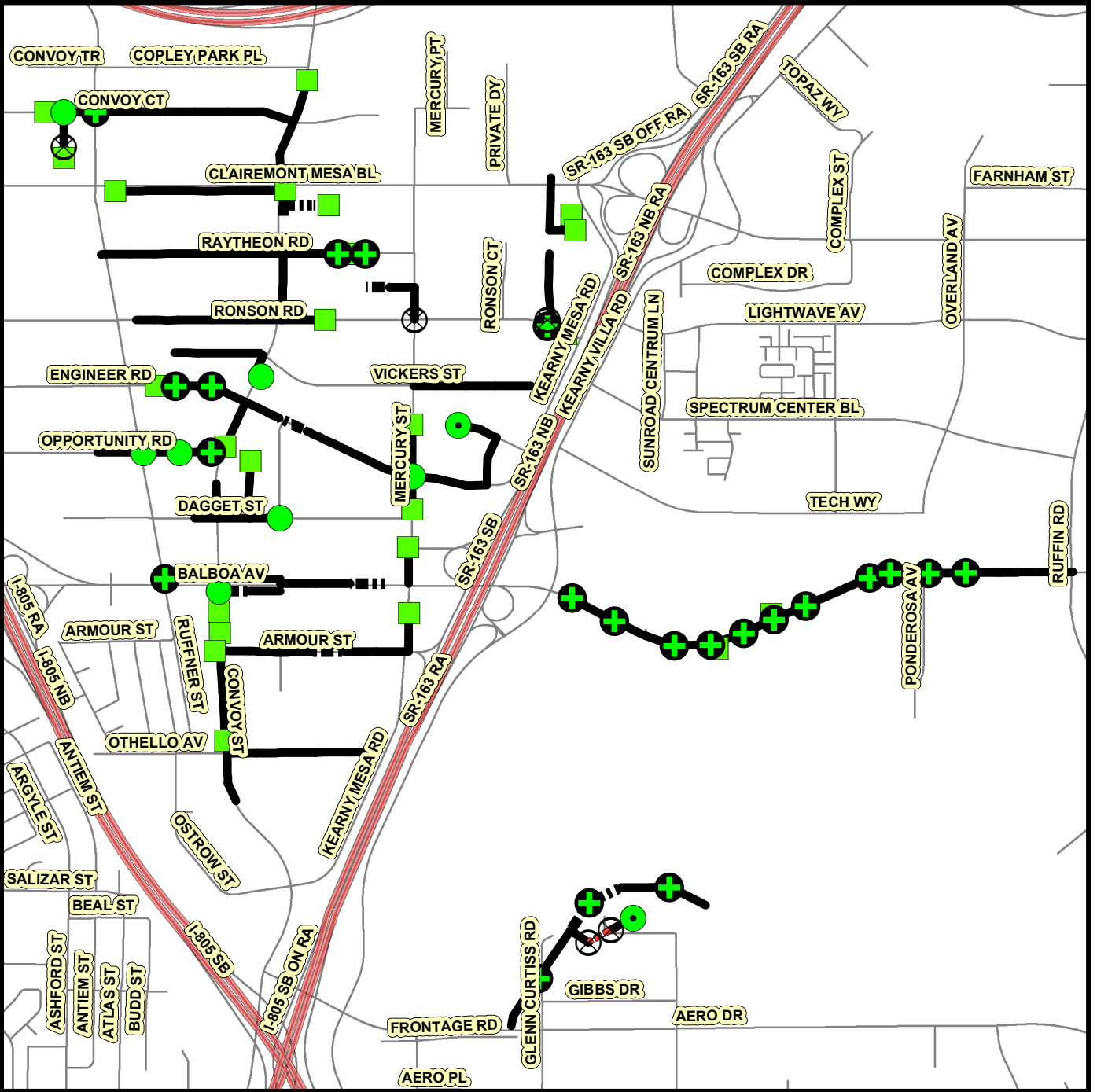
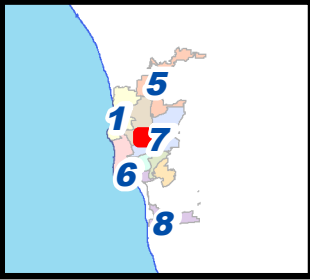
### PIPELINE REHABILITATION AO-1

SENIOR ENGINEER  
 SHEILA BOSE  
 619-533-4698

PROJECT MANAGER  
 JAIME RAMOS  
 619-533-5103

PROJECT ENGINEER  
 ELIZABETH DUNN  
 619-533-7461

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



**Legend**

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

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**APPENDIX F**  
**ADJACENT PROJECTS**

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

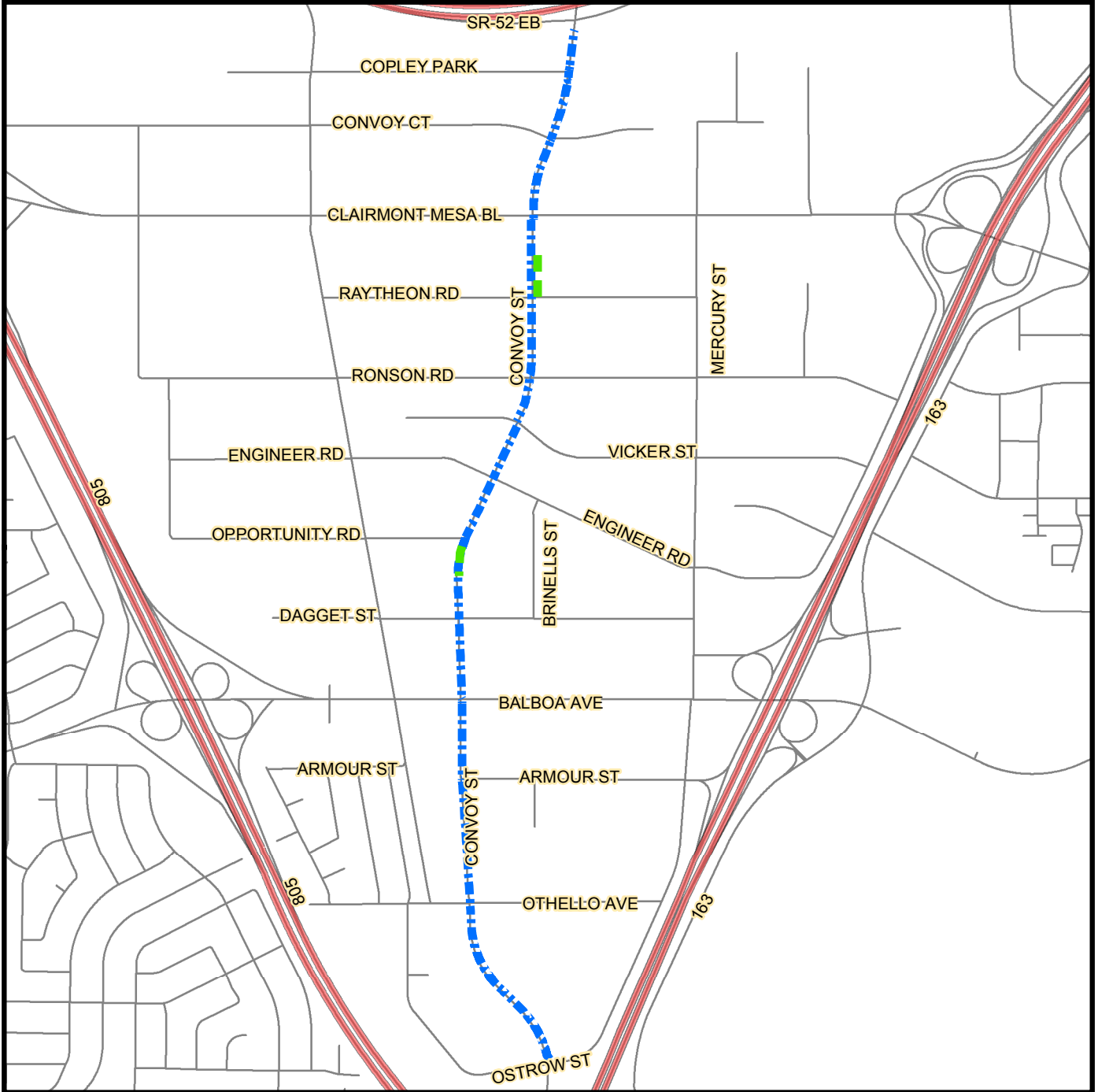
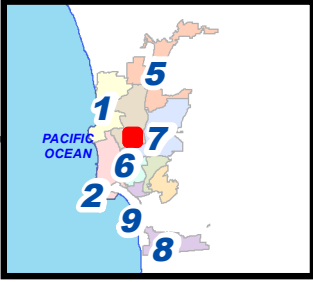
LOCATION MAP

SENIOR ENGINEER  
 SHEILA, BOSE  
 (619) 533-4698

PROJECT MANAGER  
 RAMOS-BANUELOS, JAMIE  
 (619) 533-5103

PROJECT ENGINEER  
 ELIZABETH, DUNN  
 (619) 533-7461

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



Legend

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



COMMUNITY NAME: KEARNY MESA  
 Date: January 19, 2018

COUNCIL DISTRICT: 6



SAP ID: B17176 (S) \\  
 B17177 (W)

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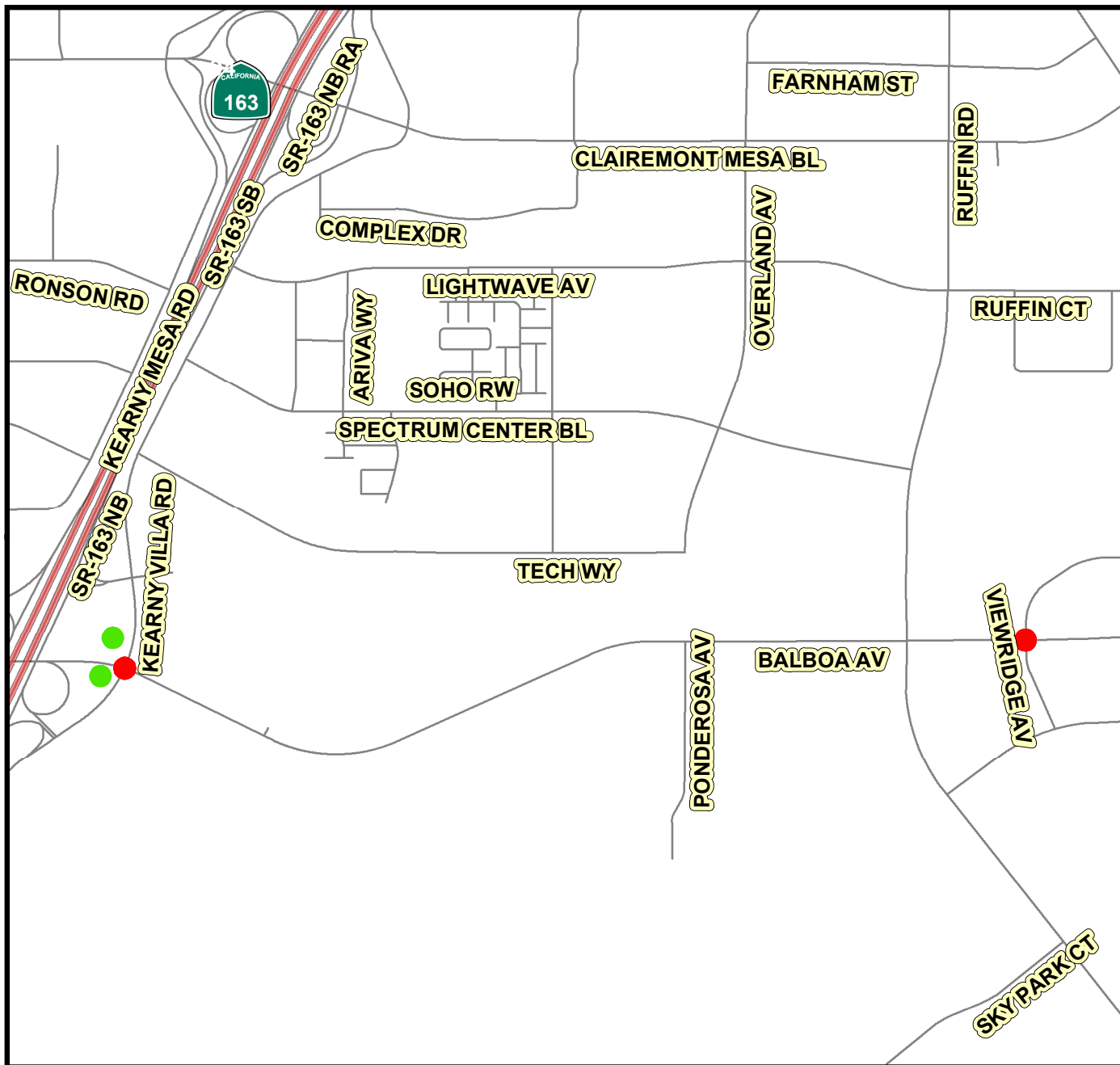
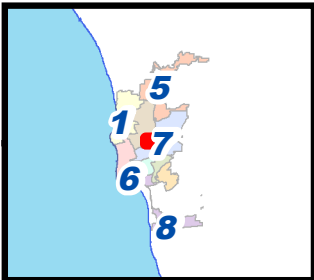
**BALBOA AVENUE CORRIDOR**  
**(MAP 3 OF 3)**

SENIOR ENGINEER  
DANIEL NUTTER  
(619) 533-7492

PROJECT MANAGER  
DANIEL NUTTER  
(619) 533-7492

PROJECT ENGINEER  
JOSHUA ADELMAN  
(619) 533-4656

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



**Legend**

- █ Curb Ramps
- █ Signals

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PREDESIGN LOCATION MAP

# WATER AND SEWER GROUP 955



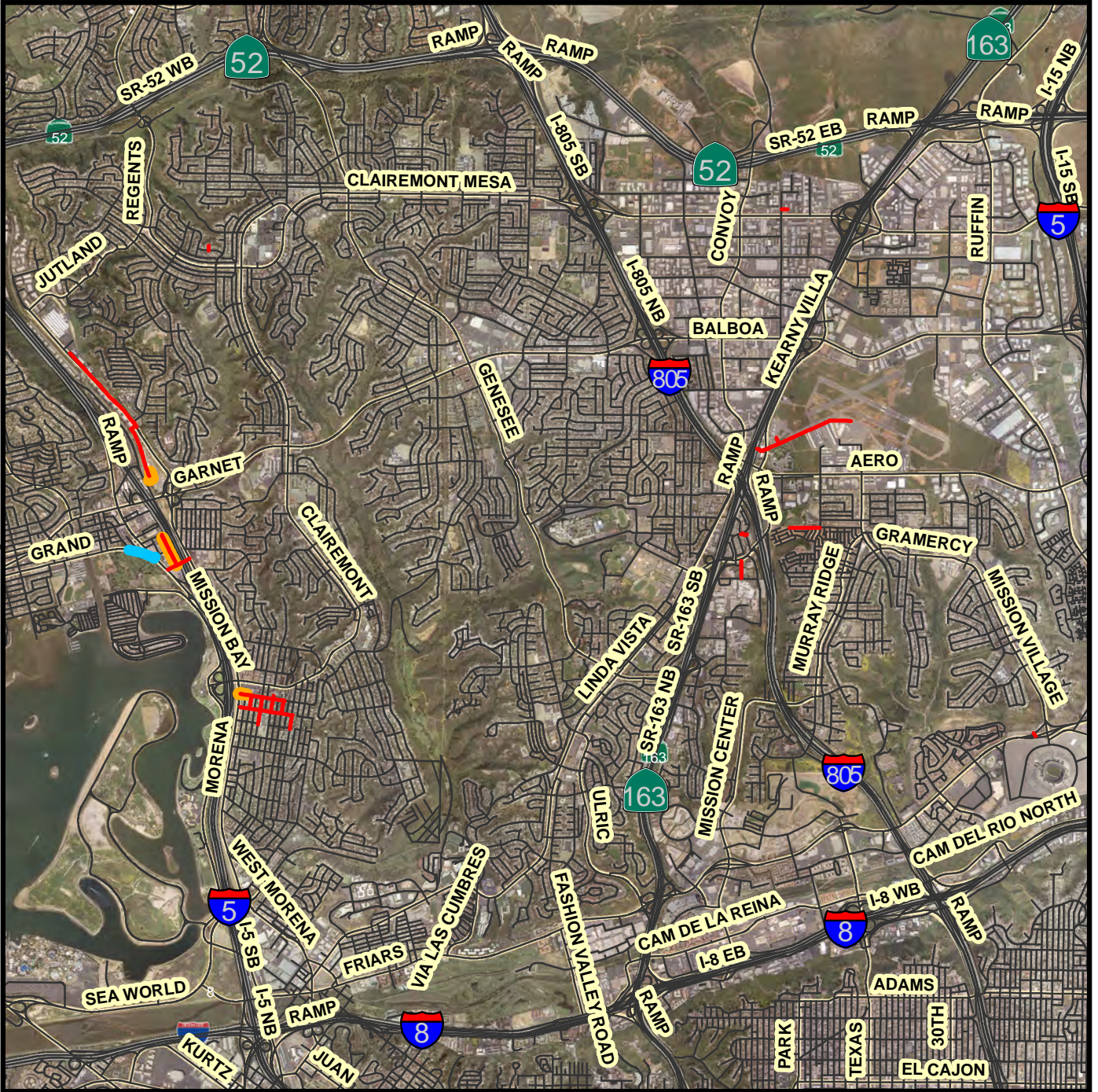
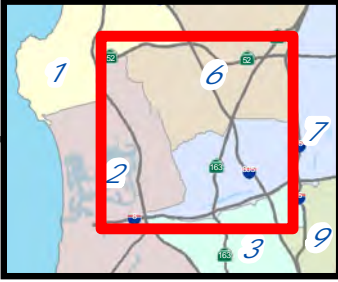
PROJECT IMPLEMENTATION SECTION

PREDESIGN SENIOR ENGINEER  
ALEX GARCIA  
(619)-533-3634

PREDESIGN PROJECT MANAGER  
TINA HUANG  
(619) 533-3863

PREDESIGN PROJECT ENGINEER  
LORI TAKAFUJI  
(619) 533-3779

PREDESIGN DRAFTER  
TEDDY RAMOS  
(619) 533-3734



## Legend

- 955 Water New
- 955 Sewer
- 955 Water



No Scale

S:\PITS\PITS-CIP-Preliminary-Engineering-and-Program-Coordination\Drafting\Water & Sewer Projects\Water and Sewer Projects\Water and Sewer Group Job 955\CIP Tracking\Location Maps

Community Name: Pacific Beach, Clairemont Mesa  
Linda Vista, Kearny Mesa, Serra Mesa

Council District: 2,6,7

SAP ID# B13186 (W)  
B14069 (S)

Date: 3-20-2014



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## **APPENDIX G**

### **SEWER MAIN PIPELINE REHABILITATION AO-1 SPREADSHEETS**



## Pipeline Rehabilitation AO-1 (B-16161) - SEWER PIPELINE SPREADSHEET

MAP SHEET NUMBER	STREET NAME	MAIN FSN	LENGTH	SIZE	MATERIAL	US MH ID	US MH IE	US MH Depth	DS MH ID	DS MH IE	DS MH Depth	LATERALS	ACTION	THOMAS BRO	COMMUNITY	FIELD BOOK
1	CONVOY CT	26271	180	8	VC	6	420.00	10.00	8	418.16	9.00	1	REHAB	1229A7	KEARNY MESA	G11S
1	EASEMENT	26272	340	8	VC	103	424.53	6.00	8	418.16	9.00	3	REHAB	1249A1	KEARNY MESA	G11S
1	CONVOY CT	26273	320	8	VC	8	418.16	9.00	9	413.36	11.00	2	REHAB	1229A7	KEARNY MESA	G11S
1	CONVOY CT	26274	288	8	VC	9	413.36	11.00	10	403.28	11.00	2	REHAB	1229A7	KEARNY MESA	G11S
1	CONVOY CT	26275	350	8	VC	10	403.28	11.00	11	401.01	9.00	1	REHAB	1229A7	KEARNY MESA	G11S
1	EASEMENT	26356	112	8	VC	104	426.48	9.00	103	424.53	6.00	1	POINT REPAIR & REHAB	1249A1	KEARNY MESA	G11S
1	CONVOY CT	26276	350	8	VC	11	401.01	9.00	12	399.61	8.00	3	REHAB	1229A7	KEARNY MESA	G11S
1	CONVOY CT	26285	350	8	VC	12	399.61	8.00	24	398.21	7.00	4	REHAB	1229A7	KEARNY MESA	G11S
1	CONVOY CT	26286	350	10	VC	24	398.21	7.00	25	397.16	6.00	1	REHAB	1229B7	KEARNY MESA	G11S
1	CONVOY ST	26282	80	10	VC	187	397.54	5.00	21	397.30	6.00	3	REHAB	1229B7	KEARNY MESA	G11S
1	CONVOY ST	26284	350	10	VC	21	397.30	6.00	26	396.25	18.00	2	REHAB	1229B7	KEARNY MESA	G11S
1	CONVOY CT	26287	306	10	VC	25	397.16	6.00	26	396.25	18.00	0	REHAB	1229B7	KEARNY MESA	G11S
1	CONVOY ST	26288	350	10	VC	26	396.25	18.00	44	395.20	7.00	2	REHAB	1229B7	KEARNY MESA	G11S
1	CONVOY ST	26305	229	10	VC	44	395.20	7.00	45	394.33	5.00	3	REHAB	1249B1	KEARNY MESA	G11S
2	CLAIREMONT MESA	26357	19	8	VC	105	426.00	0.00	107	425.00	10.00	1	REHAB	1249A1	KEARNY MESA	G11S
2	CLAIREMONT MESA	26358	300	8	VC	107	425.00	10.00	108	416.53	11.00	4	REHAB	1249A1	KEARNY MESA	G11S
2	CLAIREMONT MESA	26359	300	8	VC	108	416.53	11.00	109	406.00	9.00	3	REHAB	1249A1	KEARNY MESA	G11S
2	CLAIREMONT MESA	26302	300	8	VC	109	406.00	9.00	41	402.43	6.00	0	REHAB	1249A1	KEARNY MESA	G11S
2	CLAIREMONT MESA	26303	300	8	VC	41	402.43	6.00	42	398.86	4.00	4	REHAB	1249A1	KEARNY MESA	G11S
3	CLAIREMONT MESA	26304	300	8	VC	42	398.86	4.00	43	395.29	4.00	3	REHAB	1249B1	KEARNY MESA	G11S
3	CONVOY ST	5210163	134	10	VC	45	394.33	5.00	47	394.24	4.00	0	REHAB	1249B1	KEARNY MESA	G11S
3	CLAIREMONT MESA	26307	14	8	VC	46	394.29	3.00	47	394.24	4.00	0	POINT REPAIR & REHAB	1249B1	KEARNY MESA	G11S
3	CLAIREMONT MESA	26308	164	8	VC	43	395.29	4.00	47	394.24	4.00	0	REHAB	1249B1	KEARNY MESA	G11S
3	CONVOY ST	26309	145	10	VC	47	394.24	4.00	48	393.50	4.00	0	REHAB	1249B1	KEARNY MESA	G11S
3	CONVOY ST	26310	130	10	VC	48	393.50	4.00	49	393.08	3.00	0	POINT REPAIR & REHAB	1249B1	KEARNY MESA	G11S
3	EASEMENT	26312	300	10	VC	51	394.40	4.00	48	393.50	4.00	3	POINT REPAIR & REHAB	1249B1	KEARNY MESA	G11S
3	EASEMENT	26313	150	8	VC	281	395.17	0.00	51	394.40	4.00	1	POINT REPAIR & REHAB	1249B1	KEARNY MESA	G11S
4	RAYTHEON	26364	35	8	VC	117	403.89	7.00	119	403.64	21.00	0	REHAB	1249A1	KEARNY MESA	G11S
4	RAYTHEON	26365	235	8	VC	119	403.64	21.00	120	402.00	19.00	1	REHAB	1249A1	KEARNY MESA	G11S
4	RAYTHEON	26366	240	8	VC	120	402.00	19.00	121	400.32	10.00	0	REHAB	1249A1	KEARNY MESA	G11S
4	RAYTHEON	26367	350	8	VC	121	400.32	10.00	122	397.87	7.00	3	REHAB	1249A1	KEARNY MESA	G11S
4	RAYTHEON	26349	348	8	VC	96	396.12	8.00	95	392.94	8.00	0	REHAB	1249A1	KEARNY MESA	G11S
4	RAYTHEON	26368	250	8	VC	122	397.87	7.00	96	396.12	8.00	1	REHAB	1249A1	KEARNY MESA	G11S
4	RAYTHEON	26350	350	8	VC	95	392.94	8.00	93	392.21	5.00	1	REHAB	1249B1	KEARNY MESA	G11S
5	RAYTHEON	26329	65	8	VC	75	396.15	8.00	76	394.41	6.00	0	REHAB	1249B1	KEARNY MESA	G11S
5	RAYTHEON	26352	250	8	VC	76	394.41	6.00	92	393.40	5.00	3	REHAB	1249B1	KEARNY MESA	G11S
5	RAYTHEON	26351	295	8	VC	92	393.40	5.00	93	392.21	5.00	3	REHAB	1249B1	KEARNY MESA	G11S
6	RAYTHEON	26330	128	8	VC	74	398.00	9.00	73	397.44	12.00	2	REHAB	1249B1	KEARNY MESA	G11S
6	EASEMENT	26335	237	8	VC	77	395.79	12.00	78	394.84	15.00	3	POINT REPAIR & REHAB	1249B1	KEARNY MESA	G11S
6	EASEMENT	26336	250	8	VC	78	394.84	15.00	80	393.84	5.00	2	REHAB	1249B1	KEARNY MESA	G11S
6	MERCURY	26337	329	8	VC	80	393.84	5.00	82	391.75	11.00	2	REHAB	1249B1	KEARNY MESA	G11S
7	RONSON	26346	350	8	VC	90	397.35	10.00	89	393.85	9.00	6	REHAB	1249B1	KEARNY MESA	G11S
7	RONSON	26374	180	8	VC	127	424.48	7.00	126	417.00	7.00	1	REHAB	1249A1	KEARNY MESA	G11S
7	RONSON	26375	240	8	VC	126	417.00	7.00	125	402.10	9.00	2	REHAB	1249A1	KEARNY MESA	G11S
7	RONSON	26376	348	8	VC	125	402.10	9.00	90	397.35	10.00	2	REHAB	1249A1	KEARNY MESA	G11S

## Pipeline Rehabilitation AO-1 (B-16161) - SEWER PIPELINE SPREADSHEET

MAP SHEET NUMBER	STREET NAME	MAIN FSN	LENGTH	SIZE	MATERIAL	US MH ID	US MH IE	US MH Depth	DS MH ID	DS MH IE	DS MH Depth	LATERALS	ACTION	THOMAS BRO	COMMUNITY	FIELD BOOK
8	RONSON	26343	50	8	VC	86	396.72	0.00	87	395.92	8.00	2	REHAB	1249B1	KEARNY MESA	G12S
8	RONSON	26344	350	8	VC	87	395.92	8.00	88	390.15	13.00	1	REHAB	1249B1	KEARNY MESA	G12S
8	RONSON	26345	350	8	VC	89	393.85	9.00	88	390.15	13.00	0	REHAB	1249B1	KEARNY MESA	G12S
8	CONVOY ST	26347	308	12	VC	91	391.41	6.00	88	390.15	13.00	2	REHAB	1249B1	KEARNY MESA	G12S
8	CONVOY ST	26348	350	12	VC	93	392.21	5.00	91	391.41	6.00	2	REHAB	1249B1	KEARNY MESA	G12S
9	EASEMENT	32282	209	8	VC	104	399.60	10.00	101	392.01	5.00	1	REHAB	1249C1	KEARNY MESA	H11S
9	EASEMENT	32283	19	8	VC	103	400.00	0.00	104	399.60	10.00	1	REHAB	1249C1	KEARNY MESA	H11S
9	EASEMENT	32284	145	8	VC	105	403.37	0.00	104	399.60	10.00	1	REHAB	1249C1	KEARNY MESA	H11S
9	EASEMENT	32285	280	8	VC	106	393.05	10.00	101	392.01	5.00	0	REHAB	1249C1	KEARNY MESA	H11S
9	CLAIREMONT MESA	32286	270	8	VC	107	394.13	9.00	106	393.05	10.00	1	REHAB	1249C1	KEARNY MESA	H11S
10	EASEMENT	32296	329	8	VC	118	389.31	15.00	115	387.39	0.00	2	REHAB	1249C1	KEARNY MESA	H11S
10	EASEMENT	32297	339	8	VC	119	391.08	4.00	118	389.31	15.00	1	REHAB	1249C1	KEARNY MESA	H11S
10	RONSON	32291	68	8	VC	113	395.18	11.00	112	393.29	13.00	0	REHAB	1249C1	KEARNY MESA	H11S
10	RONSON	32292	170	8	VC	114	398.78	13.00	113	395.18	11.00	2	REHAB	1249C1	KEARNY MESA	H11S
11	VICKERS	26420	235	8	VC	21	410.58	11.00	23	401.18	11.00	3	REHAB	1249A1	KEARNY MESA	G12S
11	VICKERS	26448	300	8	VC	23	401.18	11.00	60	395.18	11.00	6	REHAB	1249A1	KEARNY MESA	G12S
11	VICKERS	26449	300	8	VC	60	395.18	11.00	61	392.17	11.00	6	REHAB	1249B1	KEARNY MESA	G12S
11	VICKERS	26450	34	8	VC	61	392.17	11.00	62	391.81	11.00	0	REHAB	1249B1	KEARNY MESA	G12S
11	CONVOY ST	26453	200	8	VC	62	391.81	11.00	65	391.53	12.00	1	REHAB	1249B1	KEARNY MESA	G12S
11	CONVOY ST	26454	97	8	VC	65	391.53	12.00	64	389.35	0.00	1	REHAB	1249B1	KEARNY MESA	G12S
12	VICKERS	26471	225	10	VC	79	391.81	14.00	78	390.91	21.00	1	REHAB	1249B1	KEARNY MESA	G12S
12	VICKERS	26472	300	10	VC	80	393.31	16.00	79	391.81	14.00	2	REHAB	1249B1	KEARNY MESA	G12S
12	VICKERS	26473	300	10	VC	81	394.81	13.00	80	393.31	16.00	3	REHAB	1249C1	KEARNY MESA	G12S
12	VICKERS	32330	350	10	VC	1	397.00	9.00	81	394.81	13.00	2	REHAB	1249C1	KEARNY MESA	G12S
13	ENGINEER	26421	350	8	VC	29	409.95	8.00	67	401.54	8.00	4	REHAB	1249A1	KEARNY MESA	G12S
13	ENGINEER	26422	200	8	VC	27	414.75	0.00	29	409.95	8.00	5	REHAB	1249A1	KEARNY MESA	G12S
13	ENGINEER	26457	379	8	VC	67	401.54	8.00	69	400.05	8.00	4	REHAB	1249B1	KEARNY MESA	G12S
13	CONVOY ST	26458	300	8	VC	68	401.86	8.00	69	400.05	8.00	4	REHAB	1249B2	KEARNY MESA	G12S
13	CONVOY ST	26459	204	8	VC	115	403.08	0.00	68	401.86	8.00	3	REHAB	1249B2	KEARNY MESA	G12S
14	ENGINEER	26462	65	8	VC	70	397.66	8.00	71	388.92	16.00	0	REHAB	1249B2	KEARNY MESA	G12S
14	ENGINEER	26464	305	8	VC	73	393.15	11.00	71	388.92	16.00	4	POINT REPAIR & REHAB	1249B2	KEARNY MESA	G12S
14	ENGINEER	26465	280	8	VC	87	394.28	11.00	73	393.15	11.00	5	REHAB	1249B2	KEARNY MESA	G12S
14	ENGINEER	26460	300	8	VC	69	400.05	8.00	70	397.66	8.00	1	REHAB	1249B2	KEARNY MESA	G12S
15	MERCURY	26476	200	8	VC	86	399.76	0.00	90	398.95	15.00	9	REHAB	1249B2	KEARNY MESA	G12S
15	ENGINEER	26477	300	8	VC	88	395.47	12.00	87	394.28	11.00	8	REHAB	1249B2	KEARNY MESA	G12S
15	ENGINEER	26478	300	8	VC	89	396.67	13.00	88	395.47	12.00	7	REHAB	1249B2	KEARNY MESA	G12S
15	MERCURY	26479	300	8	VC	90	398.95	15.00	95	397.75	14.00	0	REHAB	1249B2	KEARNY MESA	G12S
15	ENGINEER	26485	270	8	VC	95	397.75	14.00	89	396.67	13.00	3	REHAB	1249B2	KEARNY MESA	G12S
16	BUCKHORN	26474	219	8	VC	83	407.29	8.00	82	402.73	8.00	2	REHAB	1249C2	KEARNY MESA	G12S
16	BUCKHORN	26475	202	8	VC	85	411.11	6.00	83	407.29	8.00	3	REHAB	1249B2	KEARNY MESA	G12S
16	EASEMENT	26480	215	8	VC	82	402.73	8.00	91	401.87	10.00	1	REHAB	1249C2	KEARNY MESA	G12S
16	EASEMENT	26481	280	8	VC	91	401.87	10.00	92	400.76	13.00	1	REHAB	1249C2	KEARNY MESA	G12S
16	ENGINEER	26482	225	8	VC	92	400.76	13.00	93	399.85	15.00	2	REHAB	1249C2	KEARNY MESA	G12S
16	ENGINEER	26483	297	8	VC	93	399.85	15.00	94	398.67	14.00	3	REHAB	1249B2	KEARNY MESA	G12S
16	ENGINEER	26484	228	8	VC	94	398.67	14.00	95	397.75	14.00	1	REHAB	1249B2	KEARNY MESA	G12S
17	MERCURY	26486	300	8	VC	96	405.76	7.00	95	397.75	14.00	2	REHAB	1249B2	KEARNY MESA	G12S
17	MERCURY	26487	12	8	VC	99	406.13	0.00	96	405.76	7.00	2	REHAB	1249B2	KEARNY MESA	G12S

## Pipeline Rehabilitation AO-1 (B-16161) - SEWER PIPELINE SPREADSHEET

MAP SHEET NUMBER	STREET NAME	MAIN FSN	LENGTH	SIZE	MATERIAL	US MH ID	US MH IE	US MH Depth	DS MH ID	DS MH IE	DS MH Depth	LATERALS	ACTION	THOMAS BRO	COMMUNITY	FIELD BOOK
18	OPPORTUNITY	26426	226	8	VC	37	405.96	5.00	36	405.06	10.00	3	REHAB	1249A2	KEARNY MESA	G12S
18	OPPORTUNITY	26427	220	10	VC	36	405.06	10.00	35	403.55	13.00	1	REHAB	1249A2	KEARNY MESA	G12S
18	OPPORTUNITY	26429	352	10	VC	35	403.55	13.00	33	401.89	19.00	2	REHAB	1249A2	KEARNY MESA	G12S
19	OPPORTUNITY	26500	32	10	VC	117	399.90	13.00	116	392.29	21.00	0	REHAB	1249B2	KEARNY MESA	G12S
19	OPPORTUNITY	26503	332	10	VC	33	401.89	19.00	117	399.90	13.00	3	REHAB	1249A2	KEARNY MESA	G12S
19	EASEMENT	26498	200	8	VC	113	404.00	0.00	111	402.40	9.00	3	REHAB	1249B2	KEARNY MESA	G12S
19	DAGGET	26492	301	10	VC	109	389.14	21.00	106	387.57	22.00	4	REHAB	1249B2	KEARNY MESA	G12S
19	EASEMENT	26496	378	8	VC	111	402.40	9.00	109	389.14	21.00	3	REHAB	1249B2	KEARNY MESA	G12S
19	DAGGET	26493	324	10	VC	108	390.11	21.00	109	389.14	21.00	2	REHAB	1249B2	KEARNY MESA	G12S
19	DAGGET	26494	232	10	VC	43	405.47	12.00	108	390.11	21.00	2	REHAB	1249A2	KEARNY MESA	G12S
19	CONVOY ST	26495	350	10	VC	110	391.06	22.00	108	390.11	21.00	3	REHAB	1249B2	KEARNY MESA	G12S
19	OPPORTUNITY	26501	73	10	VC	116	392.29	21.00	114	392.03	20.00	0	REHAB	1249B2	KEARNY MESA	G12S
20	BALBOA	26512	320	8	VC	128	397.60	8.00	126	386.70	17.00	3	REHAB	1249B2	KEARNY MESA	G12S
20	BALBOA	26515	310	8	VC	141	398.44	8.00	143	386.85	18.00	1	REHAB	1249B2	KEARNY MESA	G12S
20	BALBOA	26553	309	8	VC	179	413.37	18.00	181	412.13	15.00	3	REHAB	1249A2	KEARNY MESA	G12S
20	BALBOA	26506	251	8	VC	181	412.13	15.00	121	403.58	14.00	1	REHAB	1249A2	KEARNY MESA	G12S
20	CONVOY ST	26508	200	8	VC	123	405.48	0.00	122	404.68	0.00	4	REHAB	1249B2	KEARNY MESA	G12S
20	CONVOY ST	26513	283	8	VC	122	404.68	0.00	128	397.60	8.00	3	POINT REPAIR & REHAB	1249B2	KEARNY MESA	G12S
20	BALBOA	26514	294	8	VC	121	403.58	14.00	141	398.44	8.00	2	REHAB	1249B2	KEARNY MESA	G12S
21	BALBOA	26520	350	8	VC	144	395.62	8.00	127	387.76	15.00	6	REHAB	1249B2	KEARNY MESA	G12S
21	BALBOA	26521	350	8	VC	145	398.17	9.00	144	395.62	8.00	9	REHAB	1249B2	KEARNY MESA	G12S
21	MERCURY	26523	19	8	VC	235	406.04	0.00	147	405.78	6.00	0	REHAB	1249B2	KEARNY MESA	G12S
21	MERCURY	26599	338	8	VC	147	405.78	6.00	148	401.04	10.00	1	REHAB	1249B2	KEARNY MESA	G12S
21	BALBOA	5201329	350	8	VC	146	399.93	10.00	145	398.17	9.00	9	POINT REPAIR & REHAB	1249B2	KEARNY MESA	G12S
22	ARMOUR	26534	325	8	VC	160	395.09	8.00	163	385.82	5.00	6	REHAB	1249B2	KEARNY MESA	G12S
22	ARMOUR	26537	303	10	VC	164	395.60	10.00	163	385.82	5.00	6	REHAB	1249B2	KEARNY MESA	G12S
22	ARMOUR	26538	300	10	VC	165	398.59	14.00	164	395.60	10.00	4	REHAB	1249B2	KEARNY MESA	G12S
22	CONVOY	26509	200	8	VC	124	404.59	0.00	165	398.59	14.00	4	REHAB	1249B2	KEARNY MESA	G12S
22	CONVOY ST	26539	52	8	VC	166	399.10	0.00	165	398.59	14.00	1	POINT REPAIR & REHAB	1249B2	KEARNY MESA	G12S
22	CONVOY ST	26540	350	10	VC	167	400.00	12.00	165	398.59	14.00	4	REHAB	1249B3	KEARNY MESA	G12S
23	MERCURY	26524	55	8	VC	149	400.57	0.00	150	400.35	11.00	2	REHAB	1249B2	KEARNY MESA	G12S
23	MERCURY	26525	340	8	VC	150	400.35	11.00	157	398.98	10.00	2	REHAB	1249B2	KEARNY MESA	G12S
23	ARMOUR	26531	323	8	VC	157	398.98	10.00	158	397.70	10.00	8	REHAB	1249B2	KEARNY MESA	G12S
23	ARMOUR	26532	325	8	VC	158	397.70	10.00	159	396.40	9.00	8	REHAB	1249B2	KEARNY MESA	G12S
23	ARMOUR	26533	325	8	VC	159	396.40	9.00	160	395.09	8.00	8	POINT REPAIR & REHAB	1249B2	KEARNY MESA	G12S
24	OTHELLO	26709	104	8	VC	96	397.72	0.00	97	396.38	6.00	2	REHAB	1249B3	KEARNY MESA	G13S
24	OTHELLO	26710	233	8	VC	97	396.38	6.00	100	391.73	9.00	4	REHAB	1249B3	KEARNY MESA	G13S
24	OTHELLO	26711	341	8	VC	100	391.73	9.00	101	384.20	12.00	3	REHAB	1249B3	KEARNY MESA	G13S
24	OTHELLO	26715	350	8	VC	104	393.12	10.00	101	384.20	12.00	3	REHAB	1249B3	KEARNY MESA	G13S
24	OTHELLO	26716	185	8	VC	107	395.34	5.00	104	393.12	10.00	4	REHAB	1249B3	KEARNY MESA	G13S
24	CONVOY	26541	350	10	VC	168	401.40	7.00	167	400.00	12.00	4	REHAB	1249B3	KEARNY MESA	G13S
24	CONVOY ST	26704	200	8	VC	91	402.20	0.00	168	401.40	7.00	6	REHAB	1249B3	KEARNY MESA	G13S
24	CONVOY ST	26705	300	8	VC	93	399.99	0.00	92	398.19	15.00	3	REHAB	1249B3	KEARNY MESA	G13S
24	CONVOY ST	26706	200	8	VC	94	401.19	9.00	93	399.99	0.00	2	REHAB	1249B3	KEARNY MESA	G13S
24	OTHELLO	26708	198	8	VC	92	398.19	15.00	96	397.72	0.00	4	REHAB	1249B3	KEARNY MESA	G13S



## Pipeline Rehabilitation AO-1 (B-16161) - SEWER PIPELINE SPREADSHEET

MAP SHEET NUMBER	STREET NAME	MAIN FSN	LENGTH	SIZE	MATERIAL	US MH ID	US MH IE	US MH Depth	DS MH ID	DS MH IE	DS MH Depth	LATERALS	ACTION	THOMAS BRO	COMMUNITY	FIELD BOOK
25	BALBOA	32380	137	10	VC	61	398.17	17.00	60	387.96	28.00	0	POINT REPAIR & REHAB	1249C2	KEARNY MESA	H12S
25	BALBOA	32381	23	10	VC	62	399.70	15.00	61	398.17	17.00	0	REHAB	1249C2	KEARNY MESA	H12S
25	BALBOA	32382	144	10	VC	63	400.52	15.00	62	399.70	15.00	2	REHAB	1249C2	KEARNY MESA	H12S
25	BALBOA	32383	350	10	VC	64	401.92	13.00	63	400.52	15.00	4	REHAB	1249C2	KEARNY MESA	H12S
25	BALBOA	32384	350	10	VC	65	403.32	0.00	64	401.92	13.00	3	REHAB	1249C2	KEARNY MESA	H12S
25	BALBOA	32385	300	10	VC	66	404.52	14.00	65	403.32	0.00	2	REHAB	1249C2	KEARNY MESA	H12S
26	BALBOA	32386	350	10	VC	67	405.92	15.00	66	404.52	14.00	2	REHAB	1249C2	KEARNY MESA	H12S
26	BALBOA	32387	120	8	VC	69	406.42	17.00	67	405.92	15.00	0	POINT REPAIR & REHAB	1249C2	KEARNY MESA	H12S
26	BALBOA	32388	350	10	VC	70	407.32	16.00	67	405.92	15.00	3	REHAB	1249D2	KEARNY MESA	H12S
26	BALBOA	32389	330	10	VC	73	408.52	17.00	70	407.32	16.00	4	REHAB	1249D2	KEARNY MESA	H12S
26	BALBOA	32390	53	8	VC	71	408.68	15.00	73	408.52	17.00	0	REHAB	1249D2	KEARNY MESA	H12S
26	BALBOA	32391	350	12	VC	18	409.40	17.00	73	408.52	17.00	3	REHAB	1249D2	KEARNY MESA	H12S
27	BALBOA	32344	350	12	VC	19	410.27	14.00	18	409.40	17.00	1	REHAB	1249D2	KEARNY MESA	H12S
27	BALBOA	32345	350	12	VC	20	411.15	11.00	19	410.27	14.00	5	REHAB	1249D2	KEARNY MESA	H12S
27	BALBOA	32346	211	12	VC	21	411.68	9.00	20	411.15	11.00	2	REHAB	1249D2	KEARNY MESA	H12S
28	BALBOA	32347	296	12	VC	22	412.42	10.00	21	411.68	9.00	1	REHAB	1249D2	KEARNY MESA	H12S
28	BALBOA	32348	75	12	VC	23	412.61	17.00	22	412.42	10.00	1	REHAB	1249D2	KEARNY MESA	H12S
28	BALBOA	32351	384	12	VC	25	413.57	11.00	23	412.61	17.00	2	REHAB	1249D2	KEARNY MESA	H12S
29	BALBOA	32352	335	10	VC	26	414.57	9.00	25	413.57	11.00	3	REHAB	1249E2	KEARNY MESA	H12S
29	BALBOA	32353	350	10	VC	27	415.62	15.00	26	414.57	9.00	2	REHAB	1249E2	KEARNY MESA	H12S
29	BALBOA	32354	357	10	VC	146	416.69	0.00	27	415.62	15.00	2	REHAB	1249E2	KEARNY MESA	H12S
29	BALBOA	32360	20	10	VC	33	419.00	12.00	146	416.69		1	REHAB	1249E2	KEARNY MESA	H12S
30	GLENN CURTISS	32446	419	8	VC	75	401.79	6.00	76	399.58	5.00	1	REHAB	1249C4	KEARNY MESA	H13S
30	GLENN CURTISS	32447	458	8	VC	76	399.58	5.00	77	397.15	6.00	1	REHAB	1249C4	KEARNY MESA	H13S
30	MONTGOMERY FIELD	32448	93	8	VC	77	397.15	6.00	79	394.77	9.00	1	REHAB	1249C4	KEARNY MESA	H12S
31	MONTGOMERY FIELD	32394	150	8	VC	1	402.61	5.00	75	401.79	6.00	1	REHAB	1249C3	KEARNY MESA	H13S
31	MONTGOMERY FIELD	32395	210	8	VC	74	403.66	0.00	1	402.61	5.00	0	REHAB	1249C4	KEARNY MESA	H13S
31	MONTGOMERY FIELD	32396	340	8	VC	2	404.45	0.00	1	402.61	5.00	2	POINT REPAIR & REHAB	1249C3	KEARNY MESA	H13S
31	MONTGOMERY FIELD	32397	360	8	VC	3	406.32	0.00	2	404.45	0.00	1	POINT REPAIR & REHAB	1249C3	KEARNY MESA	H13S
31	MONTGOMERY FIELD	32400	480	8	VC	8	408.81	6.00	3	406.32	0.00	1	REHAB	1249C3	KEARNY MESA	H13S
31	MONTGOMERY FIELD	32402	400	8	VC	9	410.81	5.00	8	408.81	6.00	0	REHAB	1249C3	KEARNY MESA	H13S
31	MONTGOMERY FIELD	5573640	252	8	VC	82	408.10	0.00	132	406.63	2.54	2	REHAB	1249C3	KEARNY MESA	H13S
31	MONTGOMERY FIELD	32445	257	8	PVC	132	406.63	2.54	74	403.66	4.00	4	REPLACE	1249C3	KEARNY MESA	H13S

8" Rehab and/or Point Repair Rehab	29,662 LF
10" Rehab and/or Point Repair Rehab	10,464 LF
12" Rehab and/or Point Repair Rehab	2,674 LF
8" Replacement	257 LF

**APPENDIX H**  
**SEWER LATERAL PIPELINE REHABILITATION AO – 1 SPREADSHEETS**

**PIPELINE REHABILITATION AO-1**

SHEET No.	#	FSN of SWR MAIN	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
1	1	26271	175130	G11S	6	7310	CONVOY CT	1229A7
	2	26272	175217	G11S	4	7373	CONVOY CT	1229A7
	3		175497	G11S	4	5038	RUFFNER ST	1229A7
	4		175494	G11S	4	7330	CLAIREMONT MESA BL	1249A1
	5	26273	175129	G11S	4	7380	CONVOY CT	1229A7
	6		175227	G11S	4	7373	CONVOY CT	1229A7
	7	26274	303712	G11S	4	7401	CONVOY CT	1229A7
	8		303633	G11S	4	7440	CONVOY CT	1229A7
	9	26275	175125	G11S	4	7480	CONVOY CT	1229A7
	10	26356	175682	G11S	4	7380	CLAIREMONT MESA BL	1249A1
	11	26276	175124	G11S	4	7520	CONVOY CT	1229A7
	12		303681	G11S	4	7501	CONVOY CT	1229A7
	13		303629	G11S	4	7560	CONVOY CT	1229A7
	14	26285	175121	G11S	4	7620	CONVOY CT	1229A7
	15		303628	G11S	6	7650	CONVOY CT	1229A7
	16		303680	G11S	4	7563	CONVOY CT	1229A7
	17		175197	G11S	6	7601	CONVOY CT	1229B7
	18	26286	175203	G11S	6	7601	CONVOY CT	1229B7
	19	26305	304071	G11S	6	7802	CLAIREMONT MESA BL	1229B1
	20		175772	G11S	4	7802	CLAIREMONT MESA BL	1229B1
	21		175686	G11S	4	5040	CONVOY ST	1229B1
	22		304078	G11S	6	7770	CLAIREMONT MESA BL	1229B1
	23	26288	175511	G11S	4	5060	CONVOY ST	1229B1
	24		303899	G11S	4	5045	CONVOY ST	1229B1
	25	26284	303644	G11S	4	7790	CONVOY CT	1229B7
	26		279874	G11S	6	5125	CONVOY ST	1229B7
	27	26282	279873	G11S	4	5135	CONVOY ST	1229B7
	28		279871	G11S	4	5155	CONVOY ST	1229B7
	29		303366	G11S	4	5150	CONVOY ST	1229B7
2	30	26357	176183	G11S	4	7415	CLAIREMONT MESA BL	1249A1
	31	26358	176106	G11S	4	7420	CLAIREMONT MESA BL	1249A1
	32		176181	G11S	4	7435	CLAIREMONT MESA BL	1249A1
	33		304351	G11S	4	7475	CLAIREMONT MESA BL	1249A1
	34		304349	G11S	4	7475	CLAIREMONT MESA BL	1249A1
	35	26359	304350	G11S	4	7515	CLAIREMONT MESA BL	1249A1
	36		304348	G11S	6	7535	CLAIREMONT MESA BL	1249A1
	37		304276	G11S	6	7510	CLAIREMONT MESA BL	1249A1
	38	26303	176107	G11S	6	7570	CLAIREMONT MESA BL	1249A1
	39		304289	G11S	4	0	CLAIREMONT MESA BL	1249A1
	40		304285	G11S	4	0	CLAIREMONT MESA BL	1249B1
41	304397		G11S	4	7655	CLAIREMONT MESA BL	1249B1	
3	42	26304	304277	G11S	6	7616	CLAIREMONT MESA BL	1249B1
	43		304284	G11S	4	0	CLAIREMONT MESA BL	1249B1
	44		176110	G11S	4	7585	CLAIREMONT MESA BL	1249B1
	45	26312	176307	G11S	4	7801	CLAIREMONT MESA BL	1249B1
	46		176308	G11S	4	7801	CLAIREMONT MESA BL	1249B1
	47		176309	G11S	4	7843	CLAIREMONT MESA BL	1249B1
48	26313	176310	G11S	4	7921	CLAIREMONT MESA BL	1249B1	
4	49	26365	177053	G11S	4	4909	RUFFNER ST	1249A1
	50	26367	279902	G11S	4	7525	RAYTHEON RD	1249A1
	51		279901	G11S	4	7575	RAYTHEON RD	1249A1
	52		304939	G11S	6	7585	CLAIREMONT MESA BL	1249A1
	53	26368	5639829	G11S	6	7655	CLAIREMONT MESA BL	1249A1
	54	26350	5012677	G11S	4	4930	CONVOY ST	1249B1
5	55	26351	177045	G11S	4	7852	RAYTHEON RD	1249B1
	56		177185	G11S	4	7877	RAYTHEON RD	1249B1
	57		305025	G11S	4	7845	RAYTHEON RD	1249B1
	58	26352	177044	G11S	4	7902	RAYTHEON RD	1249B1
	59		177141	G11S	4	7901	RAYTHEON RD	1249B1
	60		305023	G11S	4	7935	RAYTHEON RD	1249B1

**PIPELINE REHABILITATION AO-1**

SHEET No.	#	FSN of SWR MAIN	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
6	61		305018	G11S	6	7955	RAYTHEON RD	1249B1
	62	26330	177041	G11S	4	7959	CLAIREMONT MESA BL	1249B1
	63		177015	G11S	4	7961	RAYTHEON RD	1249B1
	64		177531	G11S	4	8001	RAYTHEON RD	1249B1
	65	26335	177532	G11S	6	8045	RAYTHEON RD	1249B1
	66		177607	G11S	4	8020	RONSON RD	1249B1
	67	26336	177533	G11S	6	8057	RAYTHEON RD	1249B1
	68		177534	G11S	6	4858	MERCURY ST	1249B1
	69	26337	5047289	G11S	4	4857	MERCURY ST	1249B1
	70		178029	G11S	4	4805	MERCURY ST	1249B1
7	71	26374	178152	G11S	4	4797	RUFFNER ST	1249A1
	72	26375	178254	G11S	4	7485	RONSON RD	1249A1
	73		305557	G11S	4	0	RONSON RD	1249A1
	74	26376	178034	G11S	4	0	RONSON RD	1249A1
	75		5065947	G11S	6	0	RONSON RD	1249A1
	76		1157650	G11S	6	7700	RONSON RD	1249B1
	77	26346	178032	G11S	4	0	RONSON RD	1249B1
	78		178154	G11S	4	7635	RONSON RD	1249B1
	79		178155	G11S	4	7651	RONSON RD	1249B1
	80		178156	G11S	4	7677	RONSON RD	1249B1
81	178157		G11S	4	7677	RONSON RD	1249B1	
8	82	26343	178150	G12S	6	7925	RONSON RD	1249B1
	83		178247	G12S	6	7925	RONSON RD	1249B1
	84	26347	305479	G11S	4	0	CONVOY ST	1229B1
	85		177719	G11S	4	0	CONVOY ST	1229B1
	86	26348	989463	G11S	1.5	4805	CONVOY ST	1229B1
	87		177252	G11S	4	4913	CONVOY ST	1229B1
	88	26344	305566	G11S	6	7854	RONSON RD	1249B1
	89	26345	178033	G11S	4	7730	RONSON RD	1249B1
	90		305658	G11S	4	7711	RONSON RD	1249B1
	91		305659	G11S	4	4770	CONVOY ST	1249B1
92	305562		G11S	4	4802	CONVOY ST	1249B1	
9	93	32286	176148	H11S	4	8363	CLAIREMONT MESA BL	1249C1
	94	32284	176460	H11S	4	5370	KEARNY MESA RD	1249C1
	95	32283	304694	H11S	4	5350	KEARNY MESA RD	1249C1
	96	32282	304743	H11S	4	5310	KEARNY MESA RD	1249C1
10	97	32297	177171	H11S	4	5202	KEARNY MESA RD	1249C1
	98	32296	177522	H11S	4	5130	KEARNY MESA RD	1249C1
	99		177666	H11S	4	5130	KEARNY MESA RD	1249C1
	100	32292	305697	H11S	4	5090	KEARNY MESA RD	1249C1
	101		378492	H11S	4	5090	KEARNY MESA RD	1249C1
11	102	26420	178596	G12S	4	7595	VICKERS ST	1249A1
	103		306032	G12S	4	7667	VICKERS ST	1249A1
	104		178646	G12S	4	7725	VICKERS ST	1249A1
	105	26448	178510	G12S	4	7730	VICKERS ST	1249A1
	106		178508	G12S	4	7730	VICKERS ST	1249A1
	107		178507	G12S	4	0	VICKERS ST	1249A1
	108		178647	G12S	4	7725	VICKERS ST	1249A1
	109		306022	G12S	4	7737	VICKERS ST	1249A1
	110		306023	G12S	4	7737	VICKERS ST	1249A1
	111	26449	305920	G12S	4	7760	VICKERS ST	1249B1
	112		305921	G12S	4	7770	VICKERS ST	1249B1
	113		305922	G12S	4	7770	VICKERS ST	1249B1
	114		178509	G12S	4	7770	VICKERS ST	1249B1
	115		305923	G12S	4	4764	CONVOY ST	1249B1
	116		178650	G12S	4	4760	CONVOY ST	1249B1
117	26454	178950	G12S	4	4720	CONVOY ST	1229B1	
118	26453	178722	G12S	4	4760	CONVOY ST	1229B1	

**PIPELINE REHABILITATION AO-1**

SHEET No.	#	FSN of SWR MAIN	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
12	119	26471	179065	G12S	4	8222	VICKERS ST	1249B1
	120	26472	306331	G12S	4	8250	VICKERS ST	1249B1
	121		179225	G12S	4	8275	VICKERS ST	1249B1
	122		179066	G12S	6	8340	VICKERS ST	1249B1
	123	26473	179226	G12S	4	8305	VICKERS ST	1249B1
	124		306431	G12S	4	8361	VICKERS ST	1249C1
	125	32330	306333	H12S	4	8388	VICKERS ST	1249C1
126	179064		H12S	4	0	VICKERS ST	1249C1	
13	127	26422	179074	G12S	4	4757	RUFFNER ST	1249A1
	128		179073	G12S	4	7676	ENGINEER RD	1249A1
	129		306337	G12S	4	0	ENGINEER RD	1249A1
	130		179072	G12S	4	0	ENGINEER RD	1249A1
	131		179124	G12S	4	0	ENGINEER RD	1249A2
	132	26421	179070	G12S	4	0	ENGINEER RD	1249A1
	133		179069	G12S	4	7720	ENGINEER RD	1249A1
	134		306335	G12S	4	7720	ENGINEER RD	1214B1
	135		179143	G12S	4	4688	CONVOY ST	1249B1
	136	26459	180048	G12S	4	7770	CONVOY ST	1229B2
	137		179865	G12S	4	7770	CONVOY ST	1229B2
	138		306960	G12S	4	4681	CONVOY ST	1229B2
	139	26458	852949	G12S	0	4688	CONVOY ST	1229B2
	140		306664	G12S	4	4688	CONVOY ST	1229B2
	141		179759	G12S	4	4685	CONVOY ST	1229B2
	142		179589	G12S	4	4697	CONVOY ST	1229B2
143	26457	179232	G12S	4	N/A	ENGINEER RD	1249B1	
144		306428	G12S	4	N/A	ENGINEER RD	1249B1	
145		306518	G12S	4	N/A	ENGINEER RD	1249B1	
146		179110	G12S	4	7760	ENGINEER RD	1249B1	
14	147	26464	306764	G12S	4	7904	ENGINEER RD	1249B2
	148		306772	G12S	4	0	ENGINEER RD	1249B2
	149		306807	G12S	4	7920	ENGINEER RD	1249B2
	150		179902	G12S	4	7905	ENGINEER RD	1249B2
	151	26465	179850	G12S	4	0	ENGINEER RD	1249B2
	152		375004	G12S	4	7976	ENGINEER RD	1249B2
	153		179983	G12S	4	7990	ENGINEER RD	1249B2
	154		180003	G12S	4	7969	ENGINEER RD	1249B2
155	26460	180009	G12S	6	7985	ENGINEER RD	1249B2	
156		179638	G12S	4	7825	ENGINEER RD	1249B2	
15	157	26477	180021	G12S	4	8006	ENGINEER RD	1249B2
	158		307027	G12S	6	8006	ENGINEER RD	1249B2
	159		180212	G12S	4	8025	ENGINEER RD	1249B2
	160		180119	G12S	4	8046	ENGINEER RD	1249B2
	161		180189	G12S	6	8066	ENGINEER RD	1249B2
	162		180085	G12S	4	8025	ENGINEER RD	1249B2
	163		180190	G12S	4	8025	ENGINEER RD	1249B2
	164	307152	G12S	6	8025	ENGINEER RD	1249B2	
	165	26478	307169	G12S	6	8090	ENGINEER RD	1249B2
	166		307226	G12S	6	8112	ENGINEER RD	1249B2
	167		307265	G12S	6	0	ENGINEER RD	1249B2
	168		180275	G12S	4	8025	ENGINEER RD	1249B2
	169		307228	G12S	4	0	ENGINEER RD	1249B2
	170	26485	180397	G12S	6	8123	ENGINEER RD	1249B2
	171		180527	G12S	6	8133	ENGINEER RD	1249B2
	172		180438	G12S	4	4650	MERCURY ST	1249B2
	173	26485	307425	G12S	6	8159	ENGINEER RD	1249B2
174	307440		G12S	4	4626	MERCURY ST	1249B2	
175	26476	180025	G12S	4	4664	MERCURY ST	1249B2	
176		179833	G12S	4	4686	MERCURY ST	1249B2	
177		179716	G12S	4	4686	MERCURY ST	1249B2	
178		179722	G12S	4	4699	MERCURY ST	1249B2	
179		179854	G12S	4	4683	MERCURY ST	1249B2	
180		306946	G12S	4	4683	MERCURY ST	1249B2	
181		306953	G12S	4	4683	MERCURY ST	1249B2	
182		179962	G12S	4	4665	MERCURY ST	1249B2	
183		307015	G12S	4	4665	MERCURY ST	1249B2	

**PIPELINE REHABILITATION AO-1**

SHEET No.	#	FSN of SWR MAIN	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
16	184	26484	180544	G12S	4	8210	ENGINEER RD	1249B2
	185		307388	G12S	4	8240	ENGINEER RD	1249B2
	186	26483	180631	G12S	4	8330	ENGINEER RD	1249B2
	187		280896	G12S	4	4748	KEARNY MESA RD	1249C2
	188	26482	375677	G12S	4	4748	KEARNY MESA RD	1249B2
	189		307452	G12S	6	8330	ENGINEER RD	1249C2
	190	26481	307305	G12S	4	8330	ENGINEER RD	1249C2
	191	26480	307145	G12S	4	4812	KEARNY MESA RD	1249C2
	192	26474	179880	G12S	4	8341	BUCKHORN ST	1249C2
	193		179943	G12S	4	8341	BUCKHORN ST	1249C2
	194	26475	179839	G12S	4	8315	BUCKHORN ST	1249C2
195	179912		G12S	4	8315	BUCKHORN ST	1249B2	
196	179730		G12S	4	8282	BUCKHORN ST	1249B2	
17	197	26486	307587	G12S	4	4611	MERCURY ST	1249B2
	198		180905	G12S	4	4626	MERCURY ST	1249B2
	199	26487	180974	G12S	4	4611	MERCURY ST	1249B2
	200		181026	G12S	6	4602	MERCURY ST	1249B2
18	201	26426	307193	G12S	4	0	OPPORTUNITY RD	1249A2
	202		5044871	G12S	4	0	OPPORTUNITY RD	1249A2
	203		180157	G12S	6	7490	OPPORTUNITY RD	1249A2
	204	26427	307192	G12S	4	0	OPPORTUNITY RD	1249A2
	205	26429	180156	G12S	4	7670	OPPORTUNITY RD	1249A2
	206		180155	G12S	4	7670	OPPORTUNITY RD	1249A2
19	207	26503	180154	G12S	4	7710	OPPORTUNITY RD	1249A2
	208		307093	G12S	4	7748	OPPORTUNITY RD	1249A2
	209		307092	G12S	4	7770	OPPORTUNITY RD	1249A2
	210	26492	307796	G12S	6	7860	BALBOA AV	1249B2
	211		307798	G12S	6	7860	BALBOA AV	1249B2
	212		307803	G12S	6	7860	BALBOA AV	1249B2
	213		181096	G12S	4	7888	DAGGET ST	1249B2
	214	26496	307615	G12S	4	4609	CONVOY ST	1249B2
	215		307602	G12S	4	4619	CONVOY ST	1249B2
	216		180862	G12S	4	4640	BRINELL ST	1249B2
	217	26498	307320	G12S	4	4633	CONVOY ST	1249B2
	218		180437	G12S	4	4637	CONVOY ST	1249B2
	219		180293	G12S	4	4637	CONVOY ST	1249B2
	220	26495	307463	G12S	4	4620	CONVOY ST	1229B2
	221		180673	G12S	4	4619	CONVOY ST	1229B2
222	180646		G12S	4	4646	CONVOY ST	1229B2	
223	26493	181143	G12S	6	4595	CONVOY ST	1249B2	
224		181141	G12S	6	4595	CONVOY ST	1249B2	
225	26494	181224	G12S	4	4530	CONVOY ST	1249A2	
226		181097	G12S	4	4606	CONVOY ST	1249A2	
20	227	26553	181912	G12S	4	7766	BALBOA AV	1249A2
	228		181913	G12S	4	7766	BALBOA AV	1249A2
	229		181914	G12S	4	7766	BALBOA AV	1249A2
	230	26515	308350	G12S	4	7860	BALBOA AV	1249B2
	231	26512	308512	G12S	4	7827	BALBOA AV	1249B2
	232		308516	G12S	6	7841	BALBOA AV	1249B2
	233		182165	G12S	4	7853	BALBOA AV	1249B2
	234	26508	182350	G12S	4	4464	CONVOY ST	1229B2
	235		182258	G12S	4	7777	BALBOA AV	1229B2
	236		182215	G12S	4	7777	BALBOA AV	1229B2
	237		182341	G12S	4	4433	CONVOY ST	1229B2
	238	26513	308514	G12S	4	7813	BALBOA AV	1249B2
	239		308513	G12S	4	7807	BALBOA AV	1249B2
240	182179		G12S	4	7813	BALBOA AV	1249B2	
241	26514	181915	G12S	4	7804	BALBOA AV	1249B2	
242		308348	G12S	4	7820	BALBOA AV	1249B2	
243	26506	182164	G12S	4	7777	CONVOY ST	1249B2	

**PIPELINE REHABILITATION AO-1**

SHEET No.	#	FSN of SWR MAIN	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.	
21	244	26520	308401	G12S	4	7902	BALBOA AV	1249B2	
	245		308400	G12S	4	7948	BALBOA AV	1249B2	
	246		181992	G12S	4	7948	BALBOA AV	1249B2	
	247		182150	G12S	6	7517	BALBOA AV	1249B2	
	248		182151	G12S	6	7931	BALBOA AV	1249B2	
	249		182149	G12S	4	7945	BALBOA AV	1249B2	
	250	26521	308398	G12S	4	7948	BALBOA AV	1249B2	
	251		308399	G12S	4	0	BALBOA AV	1249B2	
	252		181993	G12S	4	7948	BALBOA AV	1249B2	
	253		181994	G12S	4	7948	BALBOA AV	1249B2	
	254		181995	G12S	4	7948	BALBOA AV	1249B2	
	255		308504	G12S	6	7959	BALBOA AV	1249B2	
	256		182152	G12S	6	7973	BALBOA AV	1249B2	
	257		308462	G12S	6	7993	BALBOA AV	1249B2	
	258	182095	G12S	6	7993	BALBOA AV	1249B2		
	259	5201329	181996	G12S	4	8010	BALBOA AV	1249B2	
	260		181997	G12S	4	8010	BALBOA AV	1249B2	
	261		181998	G12S	4	0	BALBOA AV	1249B2	
	262		181999	G12S	4	8010	BALBOA AV	1249B2	
	263		182000	G12S	4	8095	BALBOA AV	1249B2	
	264		182153	G12S	6	8009	BALBOA AV	1249B2	
	265		182154	G12S	6	8027	BALBOA AV	1249B2	
	266		182155	G12S	6	8039	BALBOA AV	1249B2	
	267		182096	G12S	6	8039	BALBOA AV	1249B2	
	268	26599	308168	G12S	4	8110	BALBOA AV	1249B2	
	22	269	26538	182773	G12S	4	7816	ARMOUR ST	1249B2
		270		182776	G12S	4	4403	CONVOY ST	1249B2
		271		182891	G12S	4	4393	CONVOY ST	1249B3
272		182894		G12S	4	7815	ARMOUR ST	1249B3	
273		26537	308956	G12S	4	7832	ARMOUR ST	1249B2	
274			308969	G12S	4	7844	ARMOUR ST	1249B2	
275			182800	G12S	4	0	ARMOUR ST	1249B2	
276			182804	G12S	4	0	ARMOUR ST	1249B2	
277			182895	G12S	6	7835	ARMOUR ST	1249B3	
278			182900	G12S	4	7879	ARMOUR ST	1249B3	
279		26534	182803	G12S	4	7912	ARMOUR ST	1249B2	
280			182801	G12S	4	7922	ARMOUR ST	1249B2	
281			182797	G12S	4	7932	ARMOUR ST	1249B2	
282			182794	G12S	4	7952	ARMOUR ST	1249B2	
283			308963	G12S	6	7952	ARMOUR ST	1249B2	
284		309011	G12S	4	0	ARMOUR ST	1249B2		
285		26540	309216	G12S	4	4365	CONVOY ST	1229B3	
286			182946	G12S	4	4393	CONVOY ST	1229B3	
287			309656	G12S	4	4344	CONVOY ST	1229B3	
288			182795	G12S	4	4344	CONVOY ST	1229B3	
289	26509	308838	G12S	4	4444	CONVOY ST	1229B2		
290		182639	G12S	6	4444	CONVOY ST	1229B2		
291		182586	G12S	4	7816	CONVOY ST	1229B2		
292		182580	G12S	4	7816	CONVOY ST	1229B2		
293	26539	182795	G12S	4	4344	CONVOY ST	1249B2		

**PIPELINE REHABILITATION AO-1**

SHEET No.	#	FSN of SWR MAIN	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.	
23	294	26533	182788	G12S	4	7952	ARMOUR ST	1249B2	
	295		308962	G12S	4	0	ARMOUR ST	1249B2	
	296		182790	G12S	4	0	ARMOUR ST	1249B2	
	297		182791	G12S	4	7986	ARMOUR ST	1249B2	
	298		182792	G12S	4	7986	ARMOUR ST	1249B2	
	299		308964	G12S	4	7996	ARMOUR ST	1249B2	
	300		182793	G12S	4	7996	ARMOUR ST	1249B2	
	301		182902	G12S	8	7995	ARMOUR ST	1249B2	
	302		308965	G12S	4	8014	ARMOUR ST	1249B2	
	303		308966	G12S	6	8026	ARMOUR ST	1249B2	
	304	308967	G12S	4	8040	ARMOUR ST	1249B2		
	305	308968	G12S	4	8050	ARMOUR ST	1249B2		
	306	308970	G12S	4	8060	ARMOUR ST	1249B2		
	307	182910	G12S	6	4200	KEARNY MESA RD	1249B2		
	308	309074	G12S	4	4200	KEARNY MESA RD	1249B2		
	309	183068	G12S	4	4200	KEARNY MESA RD	1249B3		
	310	308971	G12S	4	0	ARMOUR ST	1249B2		
	311	308972	G12S	4	8080	ARMOUR ST	1249B2		
	312	308973	G12S	4	8086	ARMOUR ST	1249B2		
	313	308974	G12S	4	0	KEARNY MESA RD	1249B2		
	314	378535	G12S	4	8055	ARMOUR ST	1249B2		
	315	309079	G12S	6	4380	KEARNY MESA RD	1249B2		
	316	309088	G12S	4	0	KEARNY MESA RD	1249B2		
	317	309070	G12S	6	0	KEARNY MESA RD	1249B2		
	318	375019	G12S	4	0	MERCURY ST	1249B2		
	319	182599	G12S	4	4411	MERCURY ST	1249B2		
	320	182368	G12S	4	8111	BALBOA AV	1249B2		
	321	182352	G12S	4	8111	BALBOA AV	1249B2		
	24	322	26709	184313	G13S	4	7860	OTHELLO AV	1249B3
		323		310015	G13S	4	7888	OTHELLO AV	1249B3
		324	26710	310014	G13S	4	7888	OTHELLO AV	1249B3
		325		184462	G13S	4	0	OTHELLO AV	1249B3
326		280897		G13S	6	0	OTHELLO AV	1249B3	
327		375678		G13S	4	0	OTHELLO AV	1249B3	
328		184311		G13S	4	0	OTHELLO AV	1249B3	
329		26711	184309	G13S	4	7910	OTHELLO AV	1249B3	
330			184358	G13S	6	0	OTHELLO AV	1249B3	
331		26715	184302	G13S	4	7970	OTHELLO AV	1249B3	
332			310151	G13S	4	8001	OTHELLO AV	1249B3	
333			184464	G13S	4	8001	OTHELLO AV	1249B3	
334		26716	310006	G13S	4	8048	OTHELLO AV	1249B3	
335			184298	G13S	4	4200	KEARNY MESA RD	1249B3	
336			280898	G13S	6	8001	OTHELLO AV	1249B3	
337			280899	G13S	4	8001	OTHELLO AV	1249B3	
338		26706	185335	G13S	4	0	CONVOY ST	1229B3	
339			185223	G13S	4	3982	CONVOY ST	1229B3	
340		26705	184846	G13S	4	4020	CONVOY ST	1229B3	
341			310284	G13S	4	4040	CONVOY ST	1229B3	
342			310121	G13S	4	4080	CONVOY ST	1229B3	
343			184137	G13S	4	4140	CONVOY ST	1229B3	
344		26704	184002	G12S	6	4151	CONVOY ST	1229B3	
345			183983	G12S	6	4150	CONVOY ST	1229B3	
346			184102	G13S	4	7860	CONVOY ST	1229B3	
347			184032	G12S	4	4125	CONVOY ST	1229B3	
348			183885	G12S	4	4125	CONVOY ST	1229B3	
349			309590	G12S	4	4161	CONVOY ST	1229B3	
350		26541	183504	G12S	4	4183	CONVOY ST	1229B3	
351			183371	G12S	6	4183	CONVOY ST	1229B3	
352			183311	G12S	4	4225	CONVOY ST	1229B3	
353		26708	310018	G13S	4	7860	OTHELLO AVE	1249B3	
354			184483	G13S	8	7803	OTHELLO AVE	1249B3	
355			5607234	G13S	4	7803	OTHELLO AVE	1249B3	
356			184313	G13S	4	7860	OTHELLO AVE	1249B3	



**PIPELINE REHABILITATION AO-1**

SHEET No.	#	FSN of SWR MAIN	LATERAL FSN	FIELD BOOK	LATERAL SIZE (inch)	STREET #	STREET NAME	THOMAS BRO.
25	357	32382	182213	H12S	6	8315	CENTURY PARK CT	1249C2
	358		182318	H12S	6	0	BALBOA AV	1249C2
	359	32383	182414	H12S	4	8650	BALBOA AV	1249C2
	360		308712	H12S	6	8650	BALBOA AV	1249C2
	361		308743	H12S	4	8609	BALBOA AV	1249C2
	362		182544	H12S	6	8609	BALBOA AV	1249C2
	363	32384	308781	H12S	4	8650	BALBOA AV	1249C2
	364		308825	H12S	6	8609	BALBOA AV	1249C2
	365		182655	H12S	6	8609	BALBOA AV	1249C2
	366	32385	182696	H12S	6	8650	BALBOA AV	1249C2
367	308977		H12S	6	8609	BALBOA AV	1249C2	
26	368	32386	309025	H12S	8	8773	BALBOA AV	1249C2
	369		182827	H12S	4	8793	BALBOA AV	1249C2
	370	32388	182617	H12S	6	0	BALBOA AV	1249D2
	371		182771	H12S	8	8335	BALBOA AV	1249D2
	372		182688	H12S	4	8855	BALBOA AV	1249D2
	373		308858	H12S	4	8855	BALBOA AV	1249D2
	374	32389	182556	H12S	8	8885	BALBOA AV	1249D2
	375		308750	H12S	6	8808	BALBOA AV	1249D2
	376		182469	H12S	4	8808	BALBOA AV	1249D2
	377	32391	308683	H12S	4	8808	BALBOA AV	1249D2
378	308606		H12S	6	8888	BALBOA AV	1249D2	
379	182411		H12S	6	8911	BALBOA AV	1249D2	
27	380	32344	182291	H12S	6	8965	BALBOA AV	1249D2
	381	32345	308453	H12S	6	9020	BALBOA AV	1249D2
	382		308386	H12S	6	9020	BALBOA AV	1249D2
	383		308351	H12S	6	9104	BALBOA AV	1249D2
	384		182176	H12S	4	0	BALBOA AV	1249D2
	385	308468	H12S	4	9025	BALBOA AV	1249D2	
	386	32346	181875	H12S	6	9104	BALBOA AV	1249D2
387	308410		H12S	6	9025	BALBOA AV	1249D2	
28	388	32347	181824	H12S	6	9150	BALBOA AV	1249D2
	389	32348	181823	H12S	4	9212	BALBOA AV	1249D2
	390	32351	181819	H12S	6	9244	BALBOA AV	1249D2
	391		181978	H12S	6	9223	BALBOA AV	1249D2
29	392	32352	308286	H12S	6	9284	BALBOA AV	1249D2
	393		181816	H12S	6	9284	BALBOA AV	1249D2
	394		181965	H12S	6	9223	BALBOA AV	1249D2
	395	32353	308282	H12S	4	9310	BALBOA AV	1249E
	396		181961	H12S	6	9323	BALBOA AV	1249E
	397	32354	181810	H12S	6	9310	BALBOA AV	1249E
	398		308369	H12S	6	9323	BALBOA AV	1249E
399	32360	5460066	H12S	6	9404	BALBOA AV	1249E	
30	400	32447	312936	H13S	4	0	0	1249C4
	401	32446	188509	H13S	4	0	GLENN CURTISS RD	1249C4
31	402	32396		H132	4	0	0	1249C4
	403			H132	6	0	0	1249C4
	404			H132	6	0	0	1249C4
	405		312059	H13S	4	0	0	1249C3
	406	32400	311692	H13S	4	8690	AERO DR	1249C3
	407	32394		H13S	4	3750	JOHN J MONTGOMERY DR	1249C3
	408	32397		H13S	4	3750	JOHN J MONTGOMERY DR	1249C3
	409	5573640		H13S	4	3750	JOHN J MONTGOMERY DR	1249C3
	410			H13S	4	3750	JOHN J MONTGOMERY DR	1249C3
	411		5066897	H13S	6	3750	JOHN J MONTGOMERY DR	1249C3
	412	32445		H13S	4	3750	JOHN J MONTGOMERY DR	1249C3
413			H13S	4	3750	JOHN J MONTGOMERY DR	1249C3	

**APPENDIX I**  
**PIPELINE REHABILITATION AO – 1 MANHOLE SHEET**

**PIPELINE REHABILITATION AO-1 SEWER MANHOLES WBS# B-16161**

MAP SHT NO.	MANHOLE FSN	MANHOLES ID	MANHOLE IE	MANHOLE DEPTH	MANHOLE METHOD	STREET NAME	GATE PAGE	THOMAS BRO.
1	93634	6	420	10	INSTALL CLEANOUT	CONVOY CT	G11S	1229A7
1	93635	8	418.16	9	REHAB	CONVOY CT	G11S	1229A7
1	93717	103	424.53	6	REPLACE MANHOLE	EASEMENT	G11S	1249A1
1	93718	104	426.48	9	INSTALL CLEANOUT	EASEMENT	G11S	1249A1
1	93636	9	413.36	11	REPAIR	CONVOY CT	G11S	1229A7
1	93761	187	397.54	0	INSTALL CLEANOUT	CONVOY ST	I23S	1229B7
2	93719	105	425	0	INSTALL CLEANOUT	CLAIREMONT MESA BLVD	G11S	1249A1
3	93669	46	394.29	0	INSTALL CLEANOUT	CLAIREMONT MESA BLVD	I23S	1249B1
3	5592088	281	395.17	0	INSTALL CLEANOUT	EASEMENT	I23S	1249B1
5	93694	76	394.41	6	REPAIR	RAYTHEON RD	G11S	1249B1
5	93693	75	396.15	8	INSTALL CLEANOUT	RAYTHEON RD	G11S	1249B1
6	93692	74	393.4	9	INSTALL CLEANOUT	RAYTHEON RD	G11S	1259B1
6	93691	73	397.44	12	REPAIR	RAYTHEON RD	G11S	1249B1
6	93699	82	392.9	11	REPLACE MANHOLE	MERCURY ST	G11S	1249B1
8	93703	86	396.72	9	INSTALL CLEANOUT	RONSON RD	G12S	1249B1
9	99485	105	403.37	6	INSTALL CLEANOUT	EASEMENT	H11S	1249C1
9	99483	103	399.6	0	INSTALL CLEANOUT	EASEMENT	H11S	1249C1
10	99492	112	394.33	13	REPLACE MANHOLE	RONSON RD	H11S	1249C1
10	99493	113	395.18	11	REPAIR	RONSON RD	H11S	1249C1
10	99494	114	398.78	10	INSTALL CLEANOUT	RONSON RD	H11S	1249C1
11	93807	64	391.53	13	REHAB MANHOLE	CONVOY ST	I23S	1249B1
13	93775	27	414.75	7	INSTALL CLEANOUT	ENGINEER RD	G12S	1249A1
13	93776	29	409.95	8	REPAIR	ENGINEER RD	G12S	1249A1
13	93810	67	401.55	8	REPAIR	ENGINEER RD	G12S	1249B1
13	93853	115	403.08	0	INSTALL CLEANOUT	CONVOY ST	I23S	1249B2
15	93828	86	399.76	13	INSTALL CLEANOUT	ENGINEER RD	G12S	1249B2
15	93837	95	397.76	14	REHAB MANHOLE	MERCURY ST	G12S	1249B2
16	93827	85	411.12	6	NEW MANHOLE	BUCKHORN ST	G12S	1249B2
17	93839	99	406.13	7	INSTALL CLEANOUT	MERCURY ST	G12S	1249B2
18	93779	35	404	13	REHAB MANHOLE	OPPORTUNITY RD	G12S	1249A2
18	93778	33	401.89	19	REHAB MANHOLE	OPPORTUNITY RD	G12S	1249A2
19	93855	117	399.9	13	REPAIR	OPPORTUNITY RD	G12S	1249B2
19	93851	113	404	7	INSTALL CLEANOUT	EASEMENT	G12S	1249B2
19	93844	106	387.57	22	REHAB MANHOLE	DAGGET ST	G12S	1249B2
20	93902	179	413.38	18	REPAIR	BALBOA AV	G12S	1249A2
20	93860	123	405.48	0	INSTALL CLEANOUT	CONVOY ST	I23S	1249B2
20	93859	122	404.68	0	REHAB MANHOLE	CONVOY ST	I23S	1249B2
21	93952	235	405.78	0	INSTALL CLEANOUT	MERCURY ST	G12S	1249B2
22	93861	124	404.59	6	INSTALL CLEANOUT	CONVOY ST	I23S	1249B2
22	93891	166	398.60	0	INSTALL CLEANOUT	CONVOY ST	I23S	1249B2
23	93874	149	400.57	11	INSTALL CLEANOUT	MERCURY ST	G12S	1249B2
24	94046	91	402.20	0	INSTALL CLEANOUT	CONVOY ST	I23S	1249B3
25	99572	61	398.17	17	REPAIR	BALBOA AV	H12S	1249C2
25	99575	64	401.92	13	REPAIR	BALBOA AV	H12S	1249C2
25	99577	66	404.52	14	REPAIR	BALBOA AV	H12S	1249C2
26	99578	67	405.92	15	REPAIR	BALBOA AV	H12S	1249C2
26	99579	69	406.42	17	INSTALL CLEANOUT	BALBOA AV	H12S	1249C2
26	99581	71	408.52	0	INSTALL CLEANOUT	EASEMENT	H12S	1249D2
26	99539	18	409.4	17	REPAIR	BALBOA AV	H12S	1249D2
26	99582	73	408.52	17	REPAIR	BALBOA AV	H12S	1249D2
26	99580	70	407.32	16	REPAIR	AIRPORT	H12S	1249C3
27	99541	20	411.15	11	REPAIR	BALBOA AV	H12S	1249D2
27	99542	21	411.68	9	REPAIR	BALBOA AV	H12S	1249D2
28	99546	25	413.57	13	REPAIR	BALBOA AV	H12S	1249D2
28	99544	23	412.61	11	REPAIR	BALBOA AV	H12S	1249D2
30	99638	76	399.58	5	REPAIR	AIRPORT	H13S	1249C4
31	99590	8	408.81	6	REPAIR	BALBOA AV	H13S	1249C3
31	99585	2	404.45	0	REPAIR	AIRPORT	H12S	1249C3
31	99644	82	406.63	0	NEW MANHOLE	AIRPORT	H13S	1249C3
31	99636	74	403.66	4	REPLACE MANHOLE	AIRPORT	H13S	1249C3
31	5573639	132	403.63	2.54	REPLACE MANHOLE	AIRPORT	H13S	1249C3
31	NEW				INSTALL CLEANOUT	EASEMENT	H13S	1249C3

REPLACED MANHOLE- 5
REHABILITATION MANHOLE-7
REPAIR MANHOLE- 22
INSTALL CLEANOUT-26
NEW MANHOLE- 2

**APPENDIX J**  
**SITE MAPS**

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<b>42-299</b>	REFERENCE AS-BUILTS
	• WATER
	• SEWER
	• AT&T
	• SDG&E

# **PIPELINE REHABILITATION AO-1**

## **WORK TO BE DONE**

CONSTRUCTION CONSISTS OF TRENCHLESS REHABILITATION 43057 LF OF EXISTING 8-INCH ,10-INCH & 12-INCH PIPE (CP), REPLACEMENT OF 257 LF OF 8-INCH AND INSTALLATION OF NEW SEWER MANHOLES, SEWER CLEAN OUTS, REHABILITATION OF EXISTING SEWER MANHOLES AND SEWER LATERALS.

## **CONTRACTOR'S RESPOSIBILITIES**

1. PURSUANT TO SECTION 4216 OF THE GOVERNMENT CODE, AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G. UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA) AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
2. NOTIFY SDG&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDG&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES (I.E. 69 KV &HIGHER)
3. LOCATE AND RECONNECT ALL SEWER LATERALS. LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. LATERAL RECORDS ARE AVAILABLE TO THE CONTRACTOR AT THE WATER DEPARTMENT, 2797 CAMINITO CHOLLAS. LOCATE THE IMPROVEMENTS THAT WILL BE AFFECTED BY LATERAL REPLACEMENTS.
4. EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE, THE SIZE OF EACH SERVICE BEFORE TAPPING MAIN.
5. CITY FORCES, WHEN SPECIFIED OR SHOWN ON THE PLANS, WILL MAKE PERMANENT CUT & PLUGS AND CONNECTIONS.
6. KEEP EXISTING MAINS IN SERVICE IN LIEU OF HIGHLINING, UNLESS OTHERWISE SPECIFIED SHOWN ON PLANS.
7. THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
8. STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
9. UNLESS OTHERWISE NOTED AS PREVIOUSLY POTHOLED (PH), ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION ONLY AND ARE SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE CITY DOES NOT GUARANTEE THAT IT HAS REVIEWED ALL AVAILBLE DATA. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES EITHER SHOWN ON THE PLANS OR MARKED IN THE FILED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 5-UTILITIES.
10. EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT REPRESENTATIVE OF ACTUAL LENGTH AND LOCATION OF CONFLICT AREAS, SEE PLAN VIEW.

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

CONSTRUCTION STORM WATER PROTECTION NOTES

1. TOTAL SITE DISTURBANCE AREA (ACRES): 0.13  
 HYDROLOGIC UNIT/WATERSHED :Penasquitos and San Diego/Mission Bay and San Diego  
 HYDROLOGIC SUBAREA NAME & NO. : Tecolote, Miramar, Mission San Diego/ 906.5, 906.4, 907.11

2. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE

3.  WPCP  
 THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001AS AMENDED BY R9-2015-0001AND R9-2015-0100

- SWPPP  
 THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001AS AMENDED BY R9-2015-0001AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ

TRADITIONAL: RISK LEVEL 1  2  3

LUP: RISK TYPE 1  2  3

3. CONSTRUCTION SITE PRIORITY

ASBS  HIGH  MEDIUM  LOW

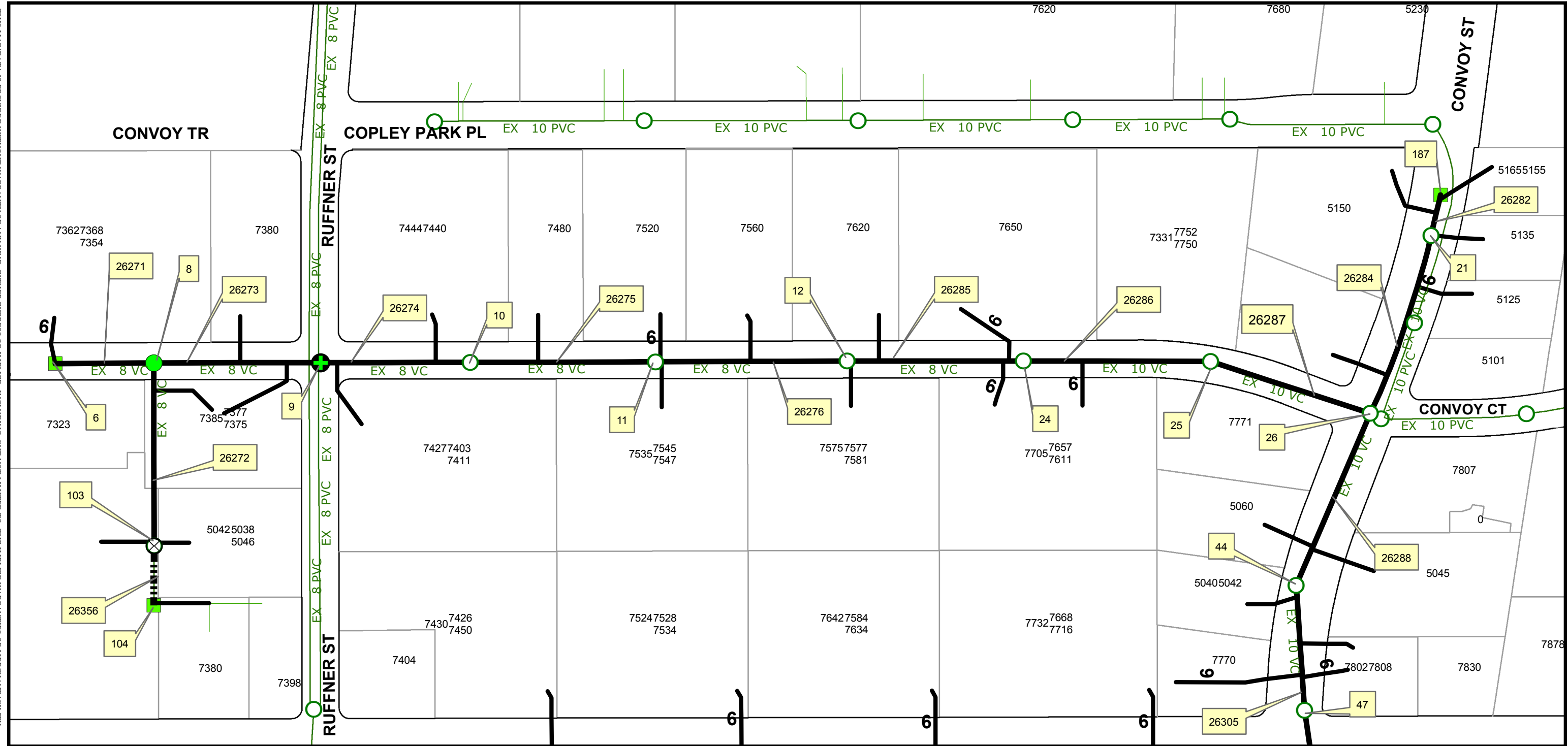
MONUMENTATION/SURVEY NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LICENSED LAND SURVEYOR OR LICENSED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA SHALL FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR ANY EARTHWORK, DEMOLITION OR SURFACE IMPROVEMENTS. IF DESTROYED, A LICENSED LAND SURVEYOR SHALL REPLACE SUCH MONUMENT(S) WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILLED WITH THE COUNTY SURVEYOR. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.

# GIS SITE MAPS

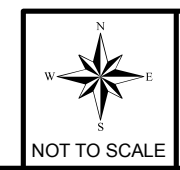


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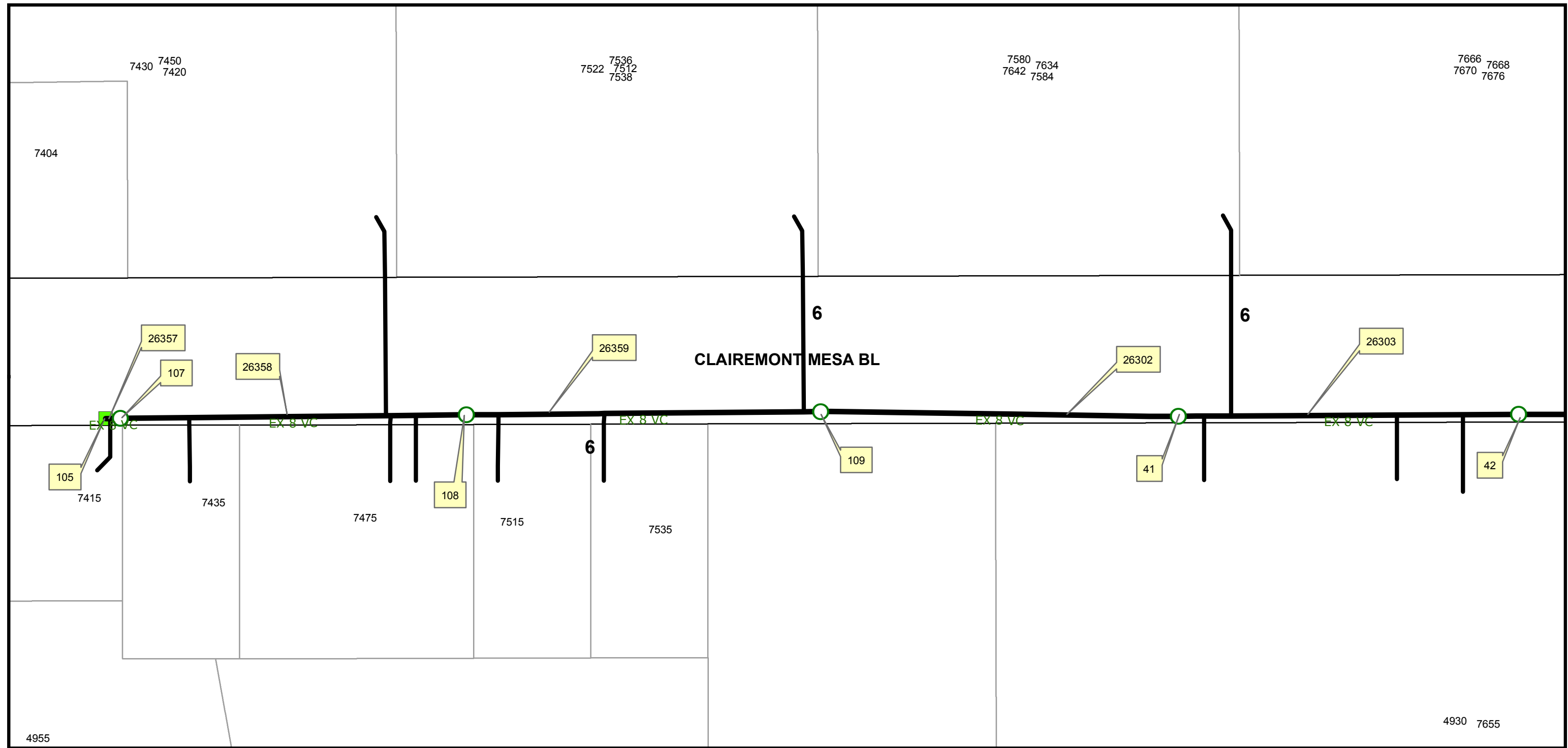
SEE MAP 3

<b>Legend</b>		123 MANHOLE ID NUMBER		<b>PIPELINE REHABILITATION AO-1</b>	
— Proposed Pipeline Rehabilitation	○ Existing Manhole	12345 FSN (Facility Sequence Number)			
- - - - Proposed Pipeline Rehabilitation w/Point Repair	— Proposed Lateral Rehabilitation			Appendix J - Site Maps	
⊗ Proposed MH Replacement	■ Proposed Cleanouts			112   Page	
⊕ Proposed MH Rehabilitation w/Point Repair	— Existing Plugs				
● Proposed MH Rehabilitation	— Existing Sewer Mains				
● Proposed New Manhole	— Existing Laterals				



<b>WBS#</b> B-16161	<b>MAP NO.</b> 1 of 31
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SEE MAP 3

### Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/Point Repair
- ⊗ Proposed MH Replacement
- + Proposed MH Rehabilitation w/Point Repair
- Proposed MH Rehabilitation
- Proposed New Manhole
- Proposed Lateral Rehabilitation
- Proposed Cleanouts
- Existing Sewer Mains
- Existing Laterals
- Existing Manhole
- Existing Plugs

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

## PIPELINE REHABILITATION AO-1

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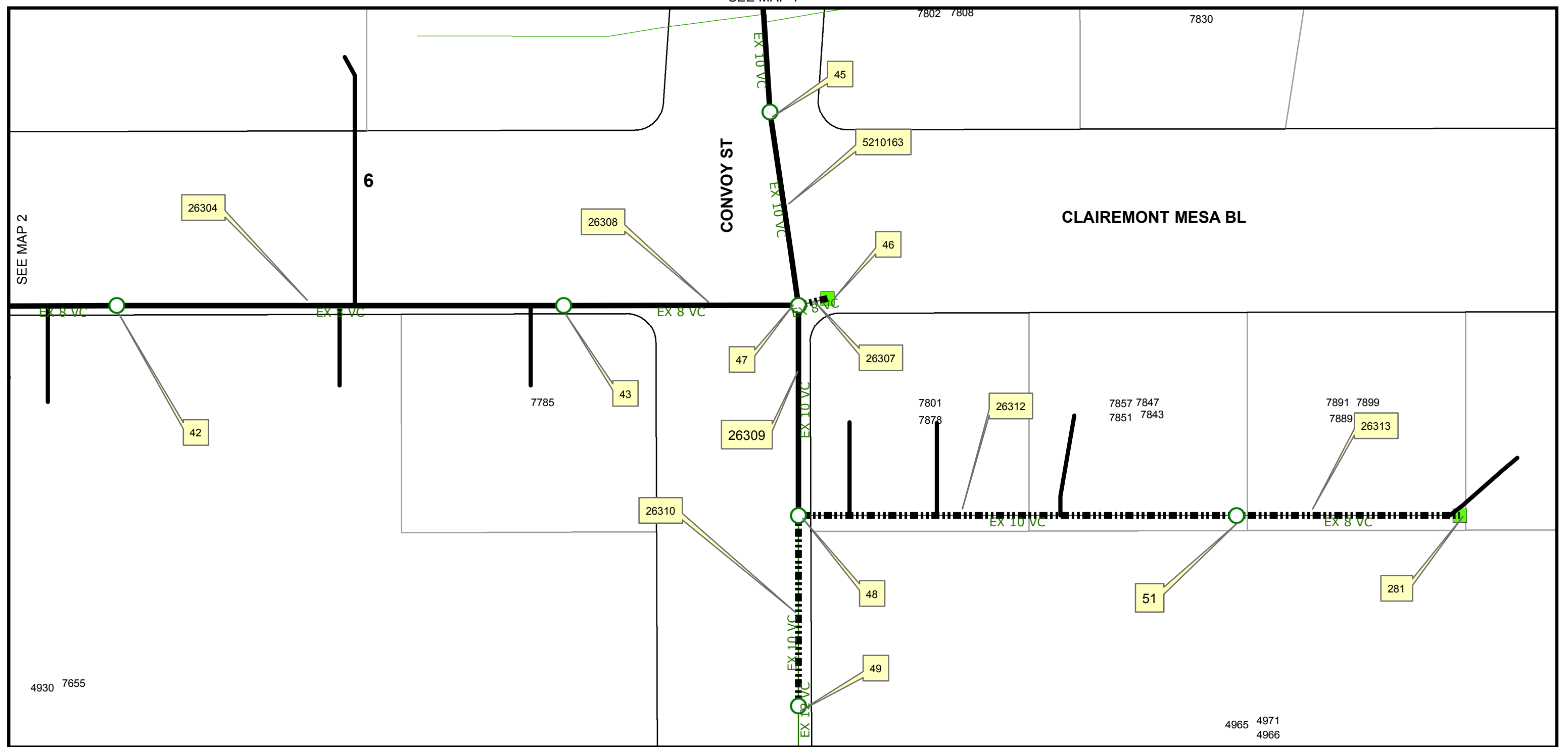
The City of  
**SAN DIEGO** Public Works

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B-16161

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2 of 31

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### Legend

Proposed Pipeline Rehabilitation	Existing Manhole	123 MANHOLE ID NUMBER
Proposed Pipeline Rehabilitation w/Point Repair	Proposed Lateral Rehabilitation	FSN (Facility Sequence Number)
Proposed MH Replacement	Proposed Cleanouts	
Proposed MH Rehabilitation w/PointRepair	Existing Plugs	
Proposed MH Rehabilitation	Existing Sewer Mains	
Proposed New Manhole	Existing Laterals	

**PIPELINE REHABILITATION AO-1**  
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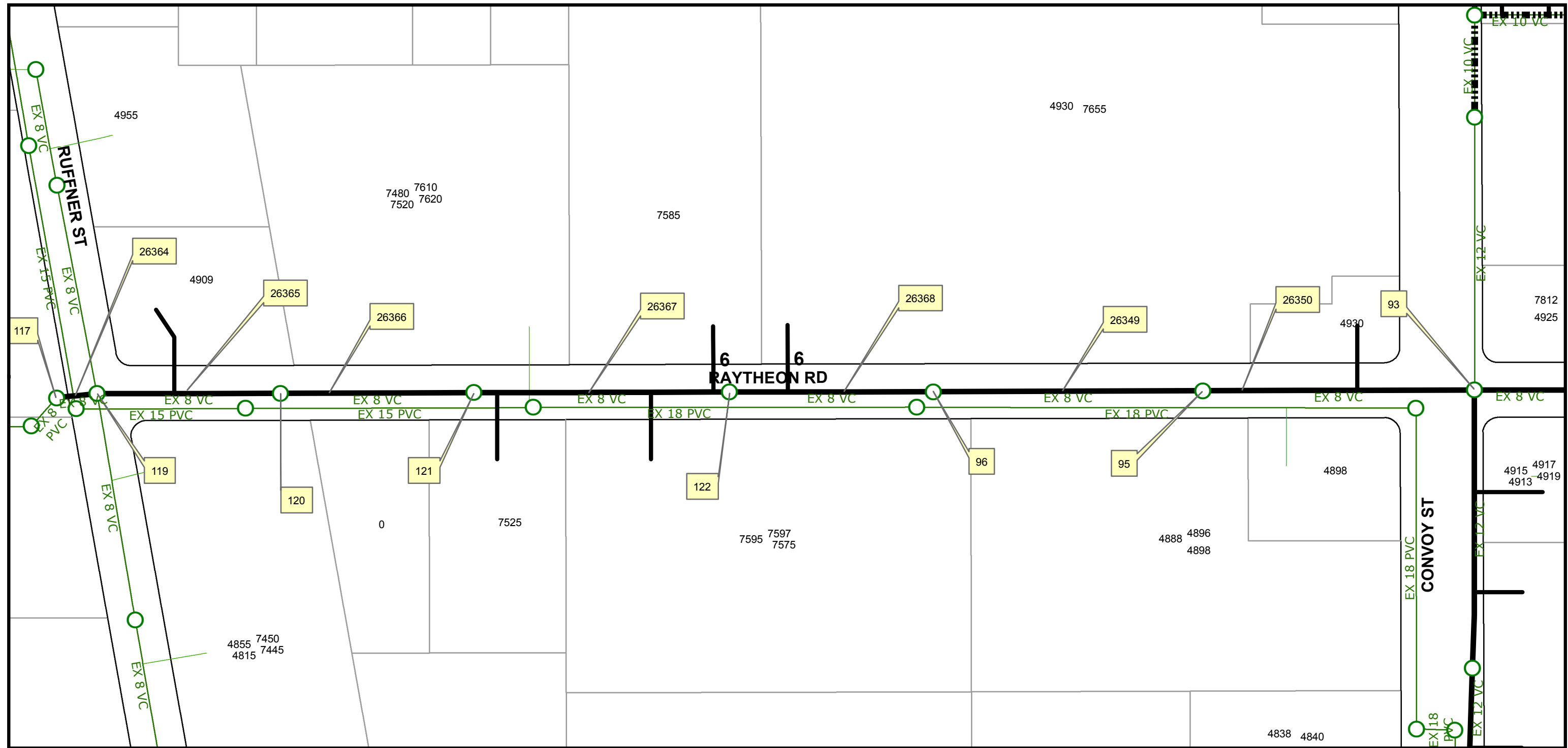
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**WBS#**  
B-16161

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SEE MAP 5

SEE MAP 8

### Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/Point Repair
- Existing Manhole
- Proposed Lateral Rehabilitation
- Proposed MH Replacement
- Proposed MH Rehabilitation w/PointRepair
- Proposed MH Rehabilitation
- Proposed New Manhole
- Proposed Cleanouts
- Existing Plugs
- Existing Sewer Mains
- Existing Laterals

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

## PIPELINE REHABILITATION AO-1

Appendix J - Site Maps 115 | Page

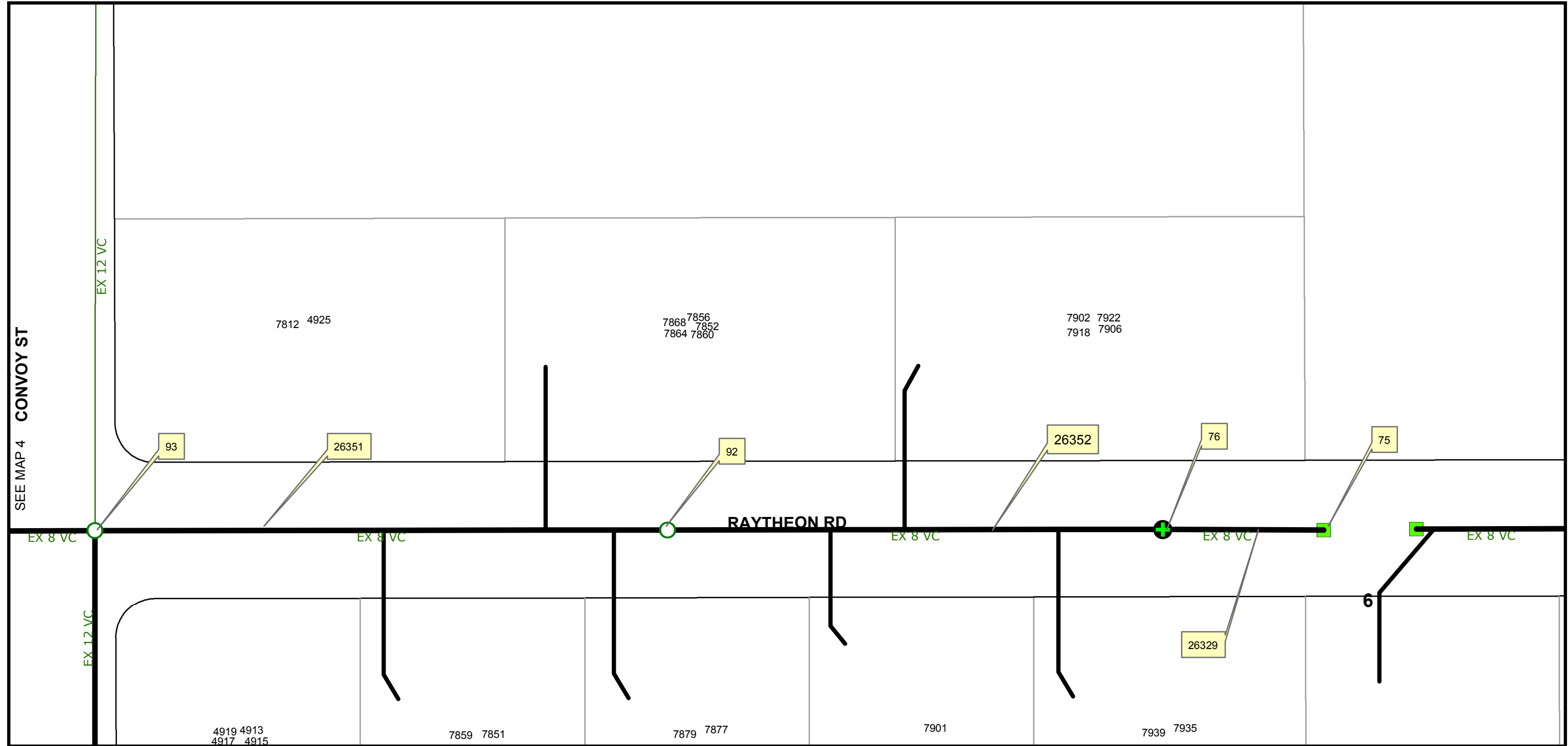
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SEE MAP 4 CONVOY ST

SEE MAP 6

### Legend

Proposed Pipeline Rehabilitation	Existing Manhole	123 MANHOLE ID NUMBER
Proposed Pipeline Rehabilitation w/Point Repair	Proposed Lateral Rehabilitation	FSN (Facility Sequence Number)
Proposed MH Replacement	Proposed Cleanouts	
Proposed MH Rehabilitation w/PointRepair	Existing Plugs	
Proposed MH Rehabilitation	Existing Sewer Mains	
Proposed New Manhole	Existing Laterals	

**PIPELINE REHABILITATION AO-1**  
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The City of  
**SAN DIEGO** Public Works

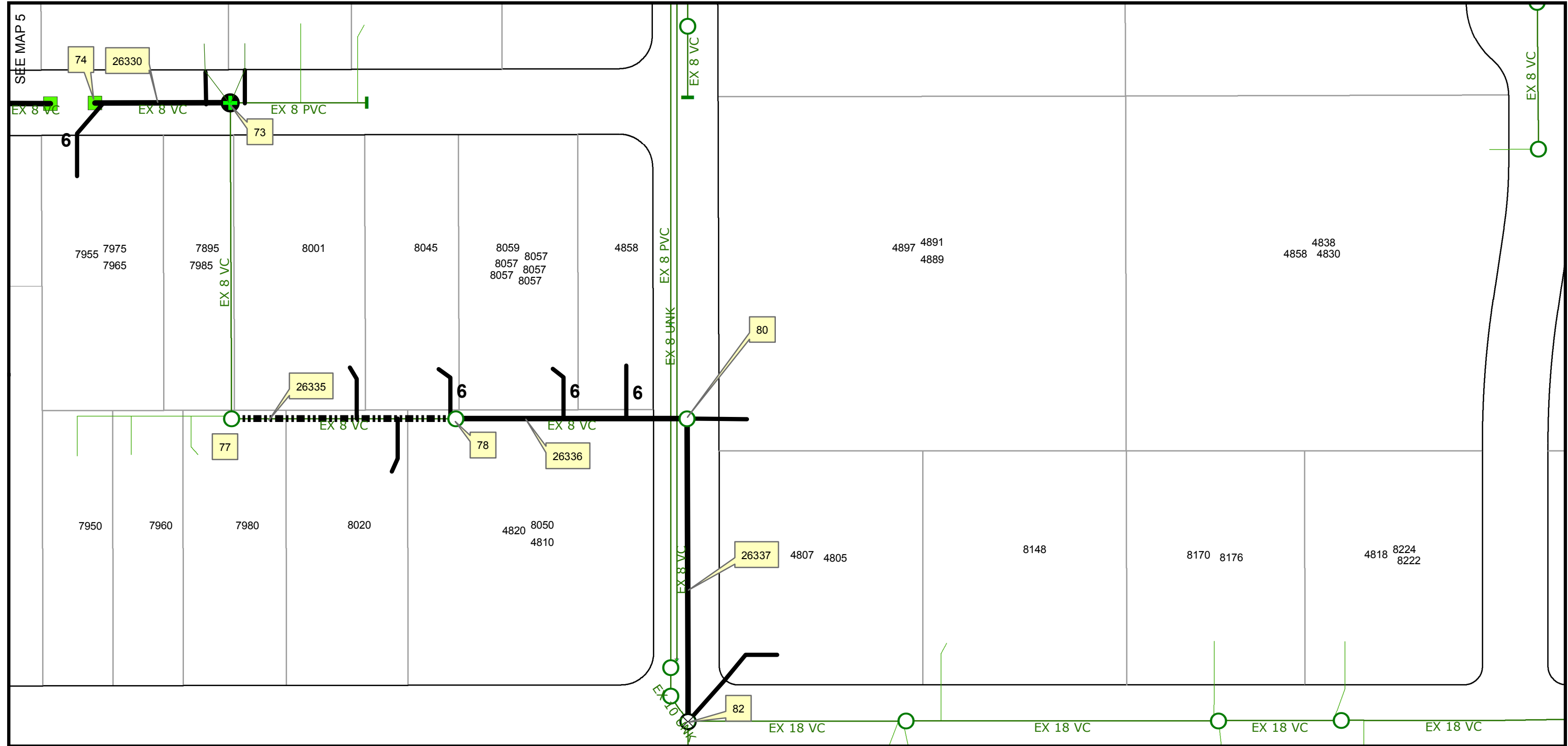
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**WBS#**  
B-16161

**MAP NO.**  
5 of 31

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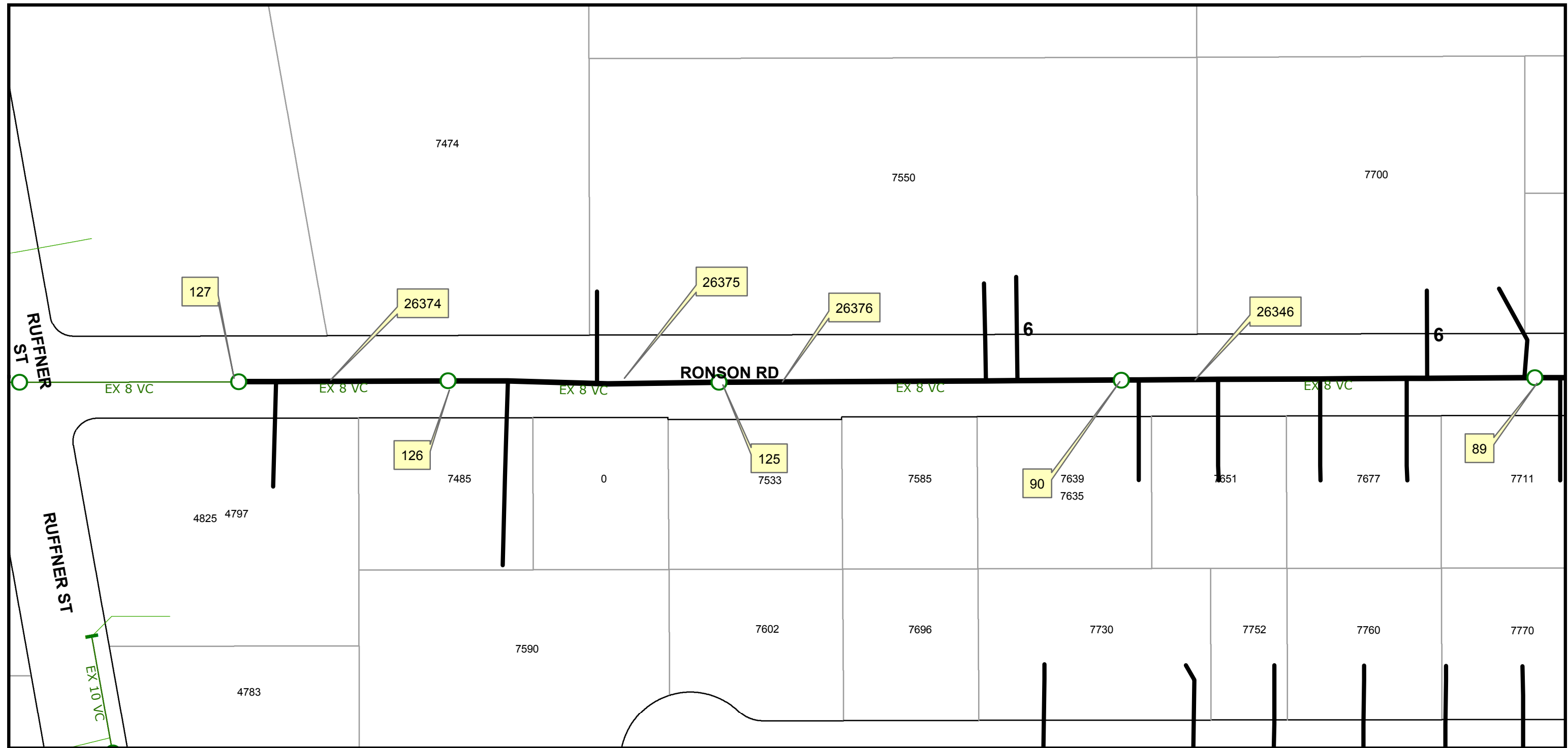
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<b>Legend</b>		123 MANHOLE ID NUMBER		<b>PIPELINE REHABILITATION AO-1</b>	
— Proposed Pipeline Rehabilitation	○ Existing Manhole	— Proposed Lateral Rehabilitation	12345 FSN (Facility Sequence Number)		
- - - Proposed Pipeline Rehabilitation w/Point Repair	— Existing Sewer Mains	■ Proposed Cleanouts		Appendix J - Site Maps	
⊗ Proposed MH Replacement	— Existing Laterals	— Existing Plugs		117   Page	
⊕ Proposed MH Rehabilitation w/Point Repair				 NOT TO SCALE	
● Proposed MH Rehabilitation					
● Proposed New Manhole				WBS# B-16161	MAP NO. 6 of 31



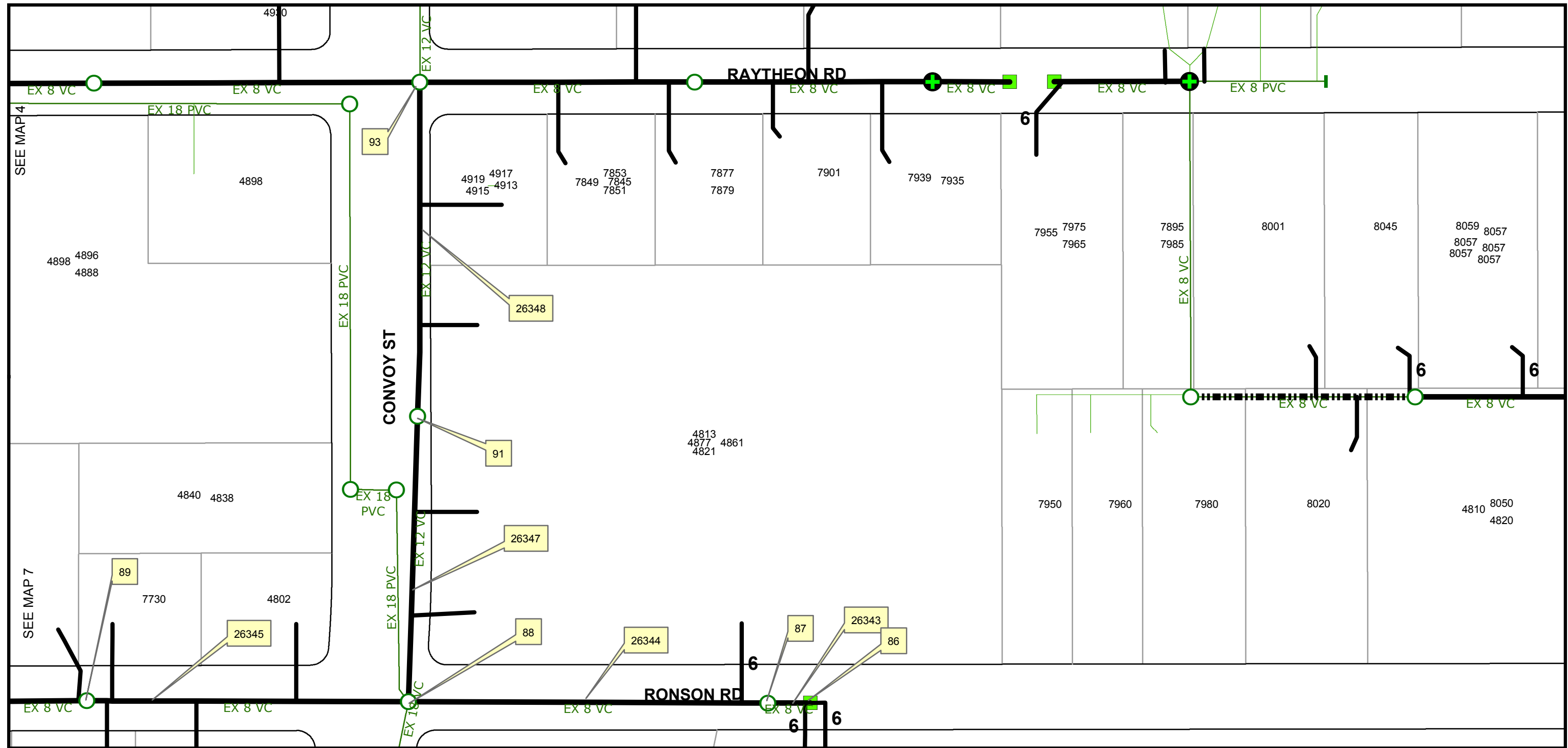
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SEE MAP 8

<b>Legend</b>				<b>PIPELINE REHABILITATION AO-1</b>			
Proposed Pipeline Rehabilitation	Existing Manhole	123 MANHOLE ID NUMBER					
Proposed Pipeline Rehabilitation w/Point Repair	Proposed Lateral Rehabilitation	12345 FSN (Facility Sequence Number)					
Proposed MH Replacement	Proposed Cleanouts			Appendix J - Site Maps			
Proposed MH Rehabilitation w/PointRepair	Existing Plugs			118   Page			
Proposed MH Rehabilitation	Existing Sewer Mains			NOT TO SCALE			
Proposed New Manhole	Existing Laterals						
				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"><b>WBS#</b> B-16161</td> <td style="width: 50%; text-align: center;"><b>MAP NO.</b> 7 of 31</td> </tr> </table>		<b>WBS#</b> B-16161	<b>MAP NO.</b> 7 of 31
<b>WBS#</b> B-16161	<b>MAP NO.</b> 7 of 31						

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### Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/Point Repair
- Proposed MH Replacement
- Proposed MH Rehabilitation w/PointRepair
- Proposed MH Rehabilitation
- Proposed New Manhole
- Proposed Lateral Rehabilitation
- Proposed Cleanouts
- Existing Plugs
- Existing Sewer Mains
- Existing Laterals

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

## PIPELINE REHABILITATION AO-1

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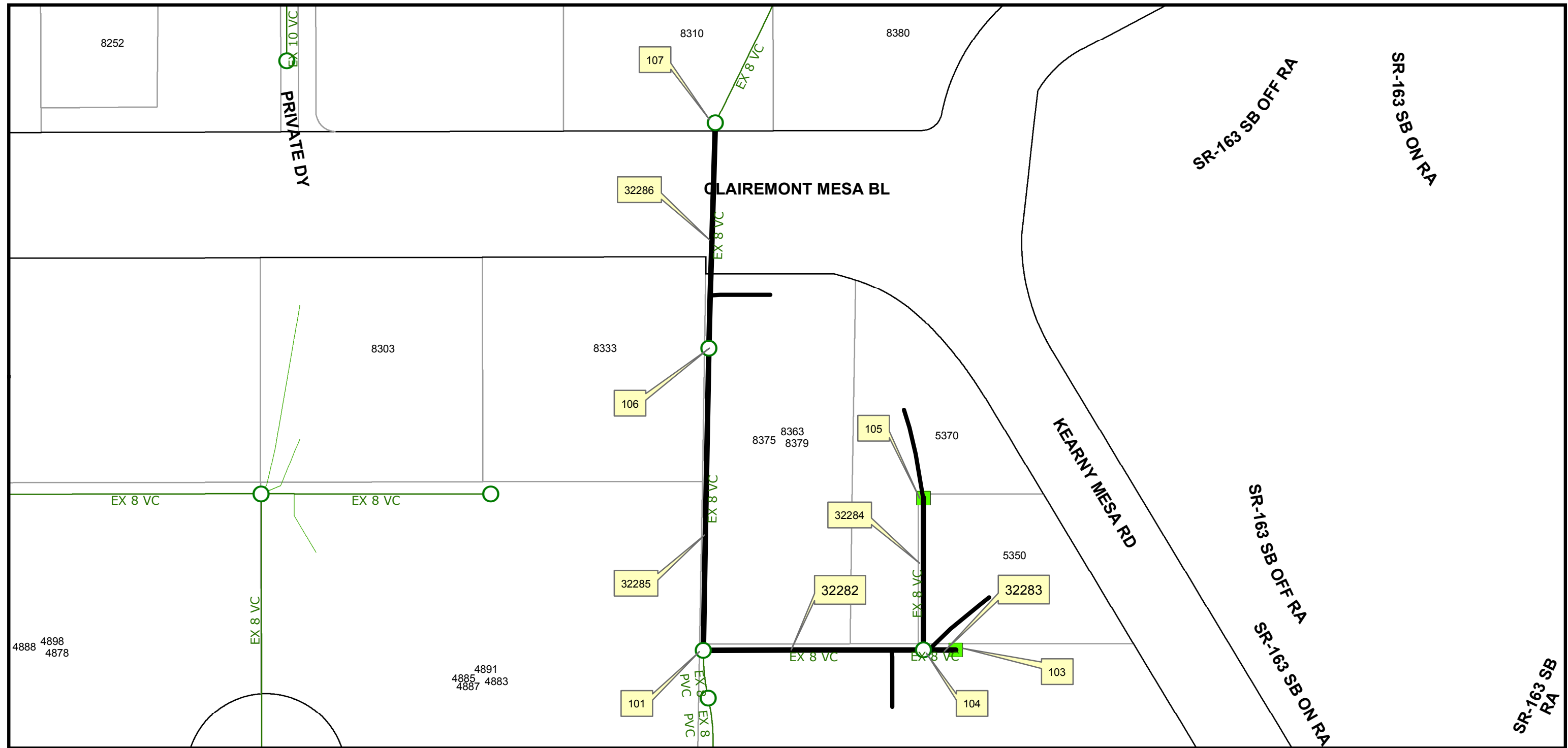
NOT TO SCALE

**WBS#**  
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<b>Legend</b>			
Proposed Pipeline Rehabilitation	Existing Manhole	123 MANHOLE ID NUMBER	<b>PIPELINE REHABILITATION AO-1</b>
Proposed Pipeline Rehabilitation w/Point Repair	Proposed Lateral Rehabilitation	12345 FSN (Facility Sequence Number)	
Proposed MH Replacement	Proposed Cleanouts		Appendix J - Site Maps <span style="float: right;">120   Page</span>
Proposed MH Rehabilitation w/PointRepair	Existing Plugs		
Proposed MH Rehabilitation	Existing Sewer Mains		
Proposed New Manhole	Existing Laterals		

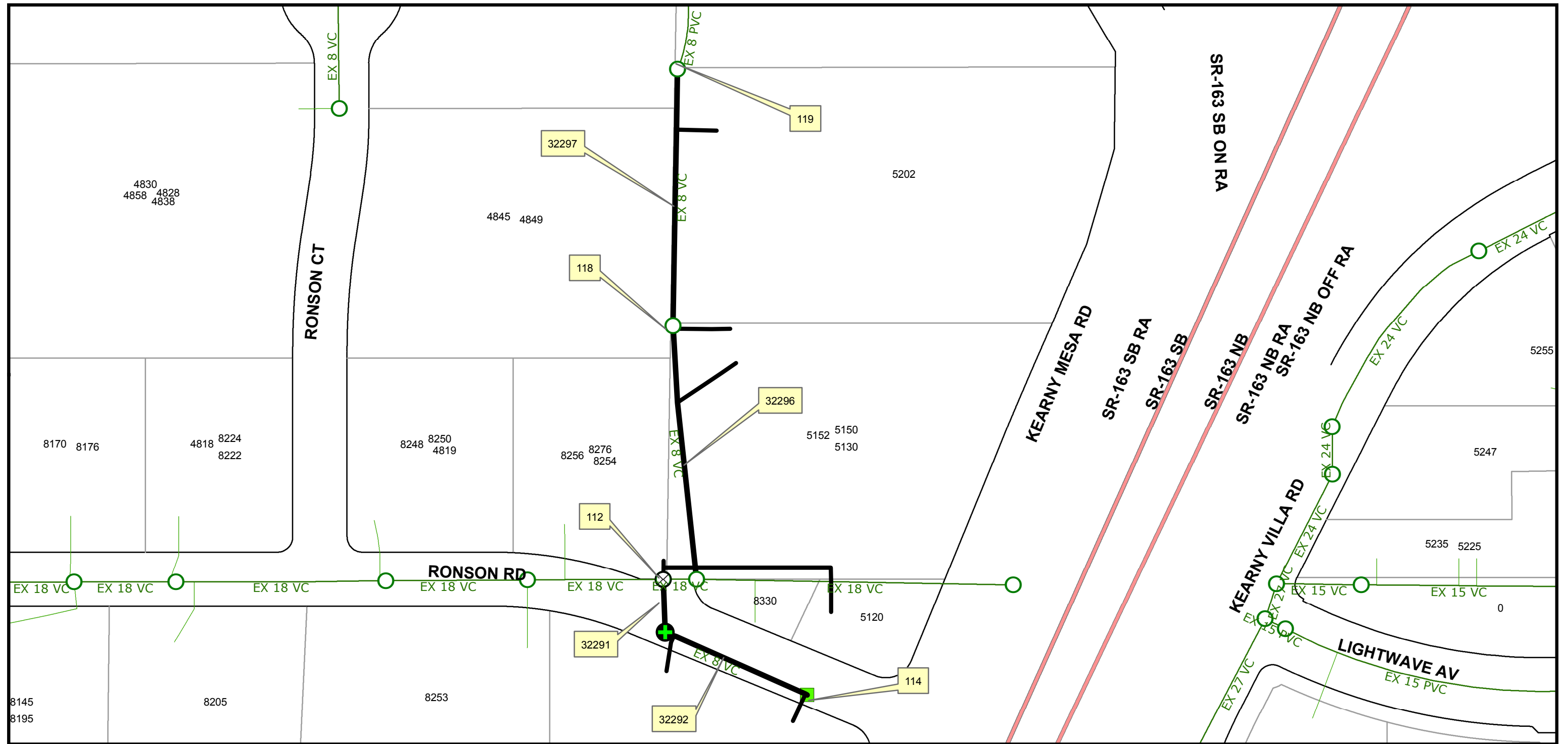
13

NOT TO SCALE

**WBS#**  
B-16161

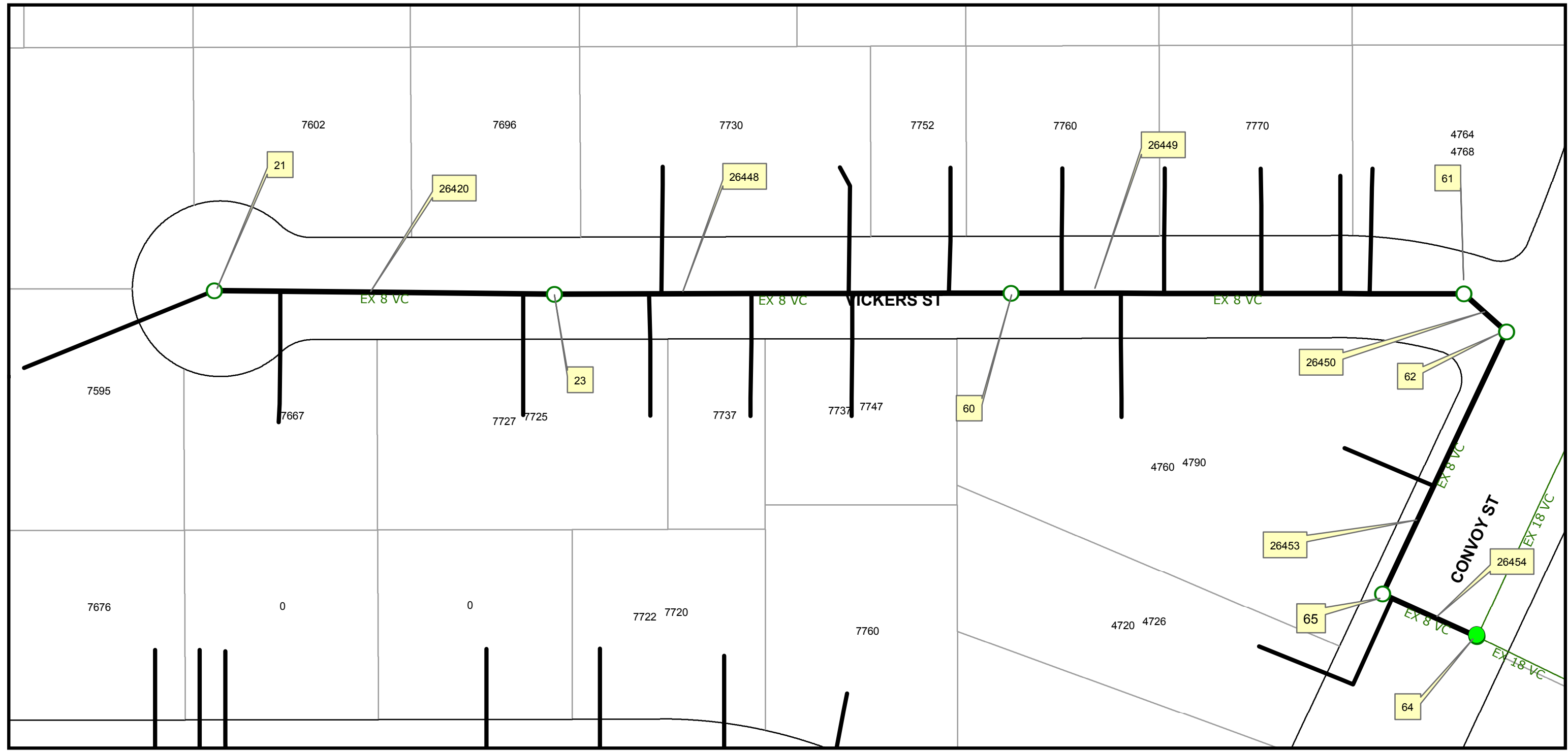
**MAP NO.**  
9 of 31

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<b>Legend</b>				<b>PIPELINE REHABILITATION AO-1</b>	
	Proposed Pipeline Rehabilitation		Existing Manhole	123	MANHOLE ID NUMBER
	Proposed Pipeline Rehabilitation w/Point Repair		Proposed Lateral Rehabilitation		FSN (Facility Sequence Number)
	Proposed MH Replacement		Proposed Cleanouts		
	Proposed MH Rehabilitation w/Point Repair		Existing Plugs		
	Proposed MH Rehabilitation		Existing Sewer Mains		
	Proposed New Manhole		Existing Laterals		
			Appendix J - Site Maps		
			121   Page		
			NOT TO SCALE		
			<b>WBS#</b> B-16161		<b>MAP NO.</b> 10 of 31

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### Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/Point Repair
- Existing Manhole
- Proposed Lateral Rehabilitation
- Proposed MH Replacement
- Proposed MH Rehabilitation w/PointRepair
- Proposed MH Rehabilitation
- Proposed New Manhole
- Proposed Cleanouts
- Existing Plugs
- Existing Sewer Mains
- Existing Laterals

123 MANHOLE ID NUMBER

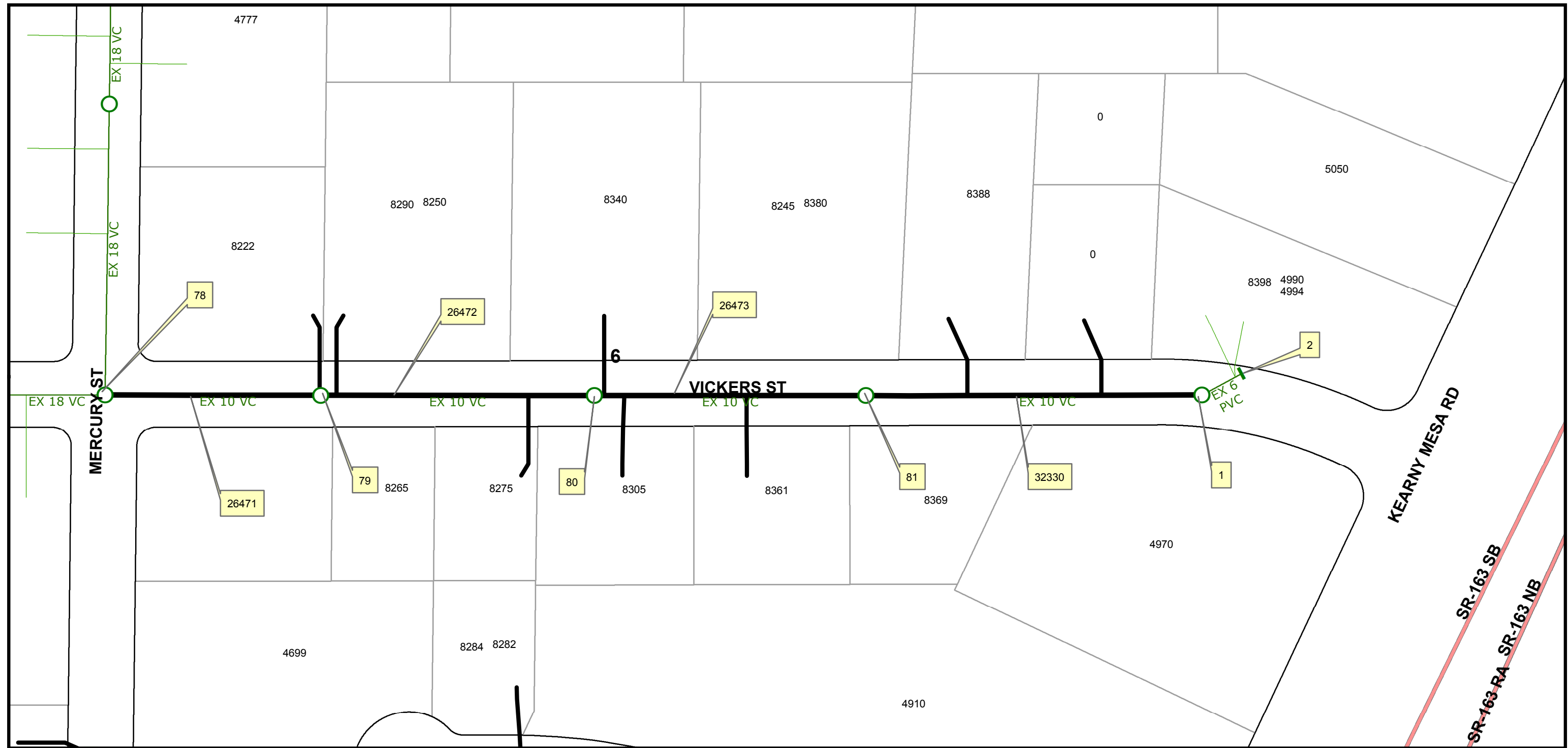
12345 FSN (Facility Sequence Number)

## PIPELINE REHABILITATION AO-1

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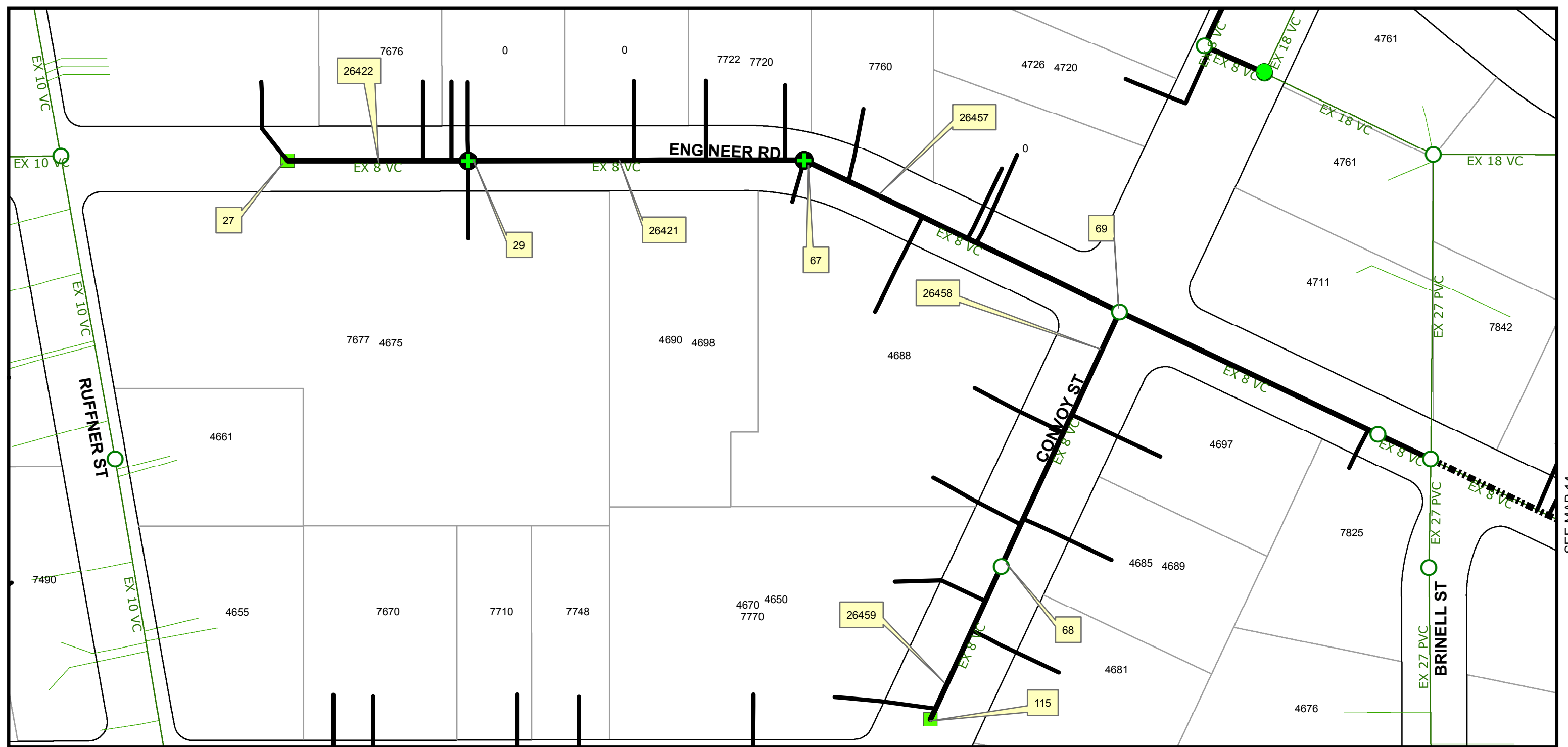


<b>Legend</b>				<b>PIPELINE REHABILITATION AO-1</b>	
	Proposed Pipeline Rehabilitation		Existing Manhole	123	MANHOLE ID NUMBER
	Proposed Pipeline Rehabilitation w/Point Repair		Proposed Lateral Rehabilitation		FSN (Facility Sequence Number)
	Proposed MH Replacement		Proposed Cleanouts		
	Proposed MH Rehabilitation w/Point Repair		Existing Plugs		
	Proposed MH Rehabilitation		Existing Sewer Mains		
	Proposed New Manhole		Existing Laterals		

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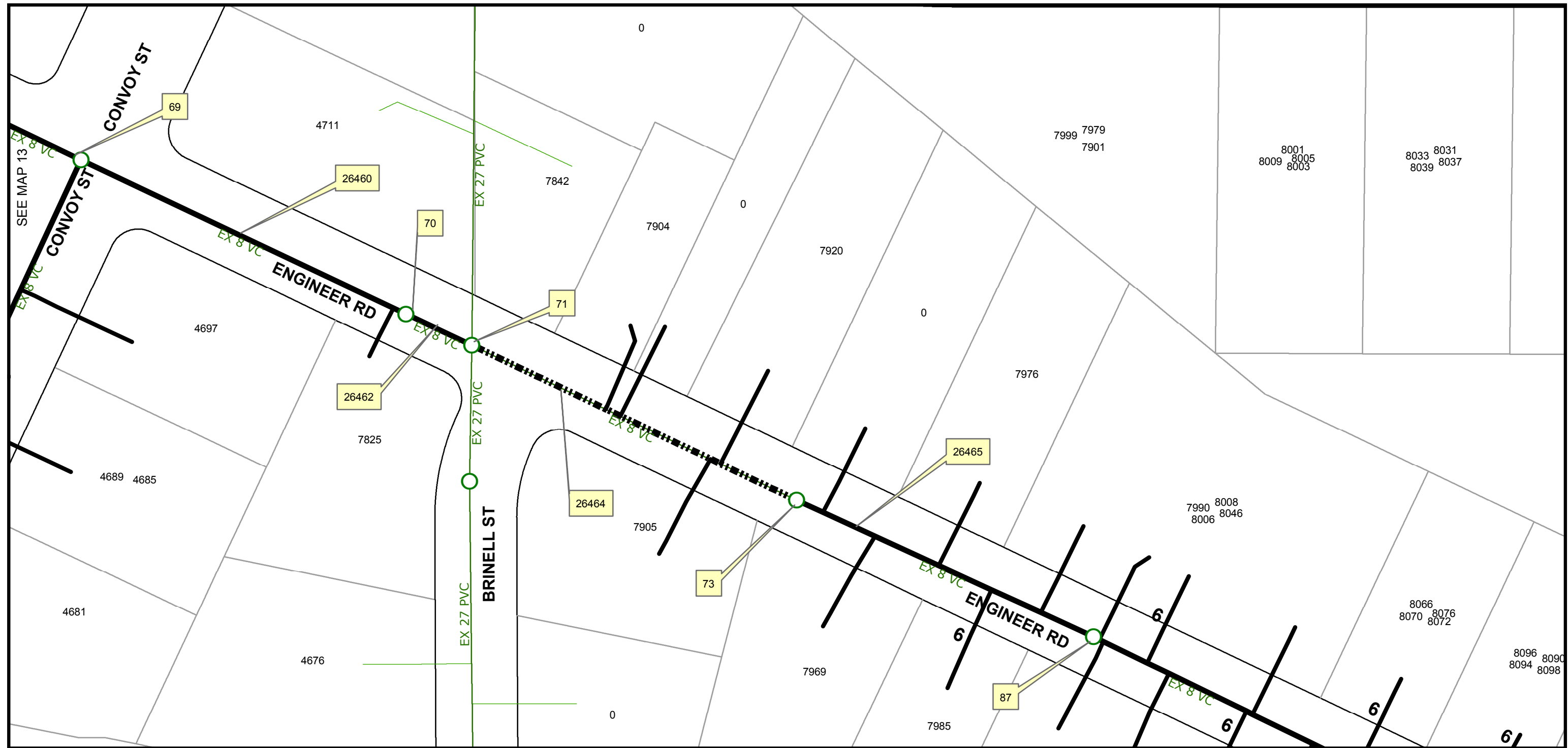
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<b>Legend</b>		123 MANHOLE ID NUMBER		<b>PIPELINE REHABILITATION AO-1</b>	
<ul style="list-style-type: none"> <li> Proposed Pipeline Rehabilitation</li> <li> Proposed Pipeline Rehabilitation w/Point Repair</li> <li> Proposed MH Replacement</li> <li> Proposed MH Rehabilitation w/Point Repair</li> <li> Proposed MH Rehabilitation</li> <li> Proposed New Manhole</li> </ul>	<ul style="list-style-type: none"> <li> Existing Manhole</li> <li> Proposed Lateral Rehabilitation</li> <li> Proposed Cleanouts</li> <li> Existing Plugs</li> <li> Existing Sewer Mains</li> <li> Existing Laterals</li> </ul>	<ul style="list-style-type: none"> <li> 12345 FSN (Facility Sequence Number)</li> </ul>	<p>Appendix J - Site Maps</p> <p>124   Page</p>		
<p>The City of <b>SAN DIEGO</b> Public Works</p>		NOT TO SCALE		<p>WBS# <b>B-16161</b></p>	<p>MAP NO. <b>13 of 31</b></p>



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SEE MAP 15

<b>Legend</b>		123 MANHOLE ID NUMBER		<b>PIPELINE REHABILITATION AO-1</b>	
— Proposed Pipeline Rehabilitation	○ Existing Manhole	- - - Proposed Pipeline Rehabilitation w/Point Repair	— Proposed Lateral Rehabilitation	12345 FSN (Facility Sequence Number)	Appendix J - Site Maps
⊗ Proposed MH Replacement	■ Proposed Cleanouts	+ Proposed MH Rehabilitation w/PointRepair	- Existing Plugs		125   Page
● Proposed MH Rehabilitation	— Existing Sewer Mains	● Proposed New Manhole	— Existing Laterals		

The City of

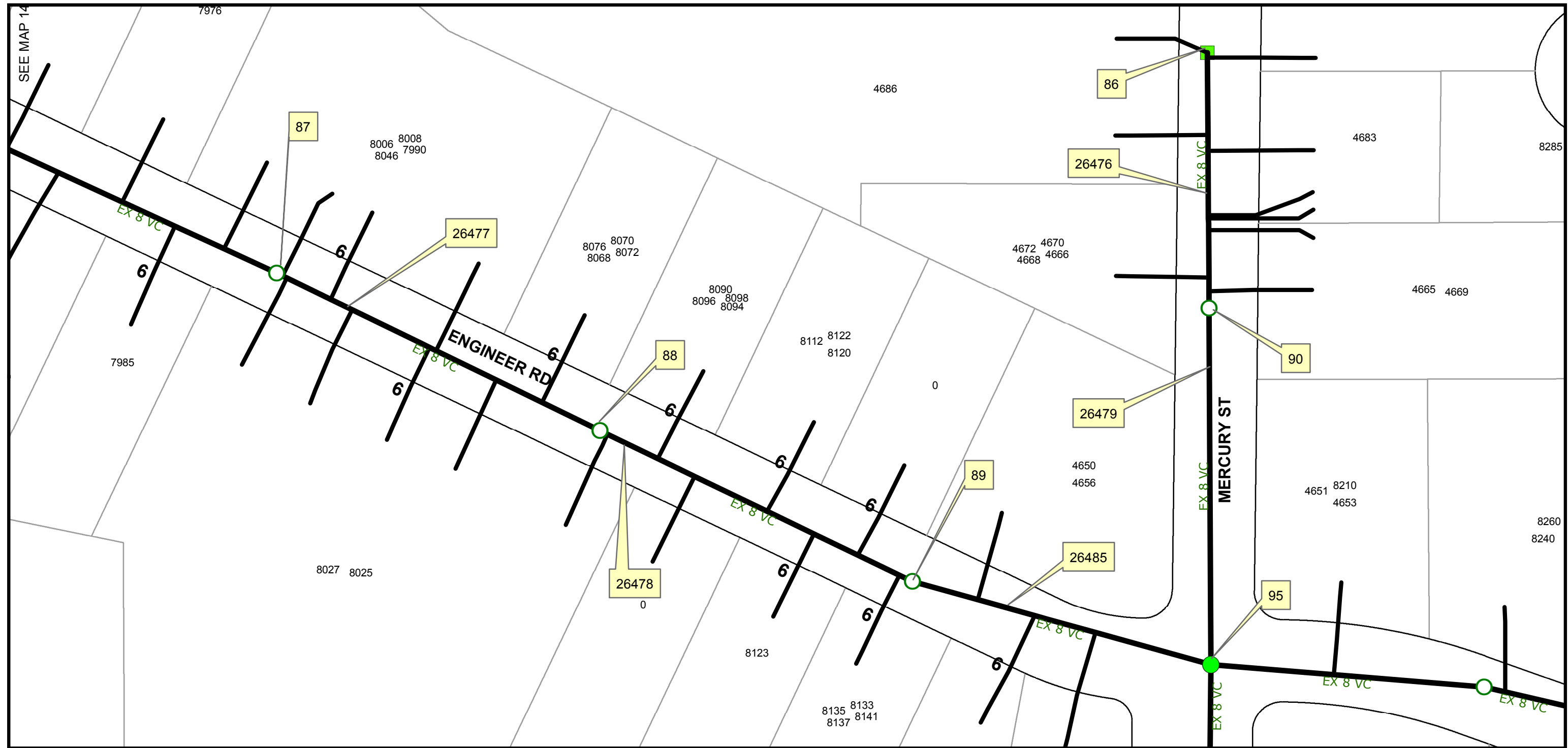
**SAN DIEGO** Public Works

NOT TO SCALE

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### Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/Point Repair
- Existing Manhole
- Proposed Lateral Rehabilitation
- Proposed MH Replacement
- + Proposed MH Rehabilitation w/PointRepair
- Proposed MH Rehabilitation
- Proposed New Manhole
- Proposed Cleanouts
- Existing Plugs
- Existing Sewer Mains
- Existing Laterals

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

## PIPELINE REHABILITATION AO-1

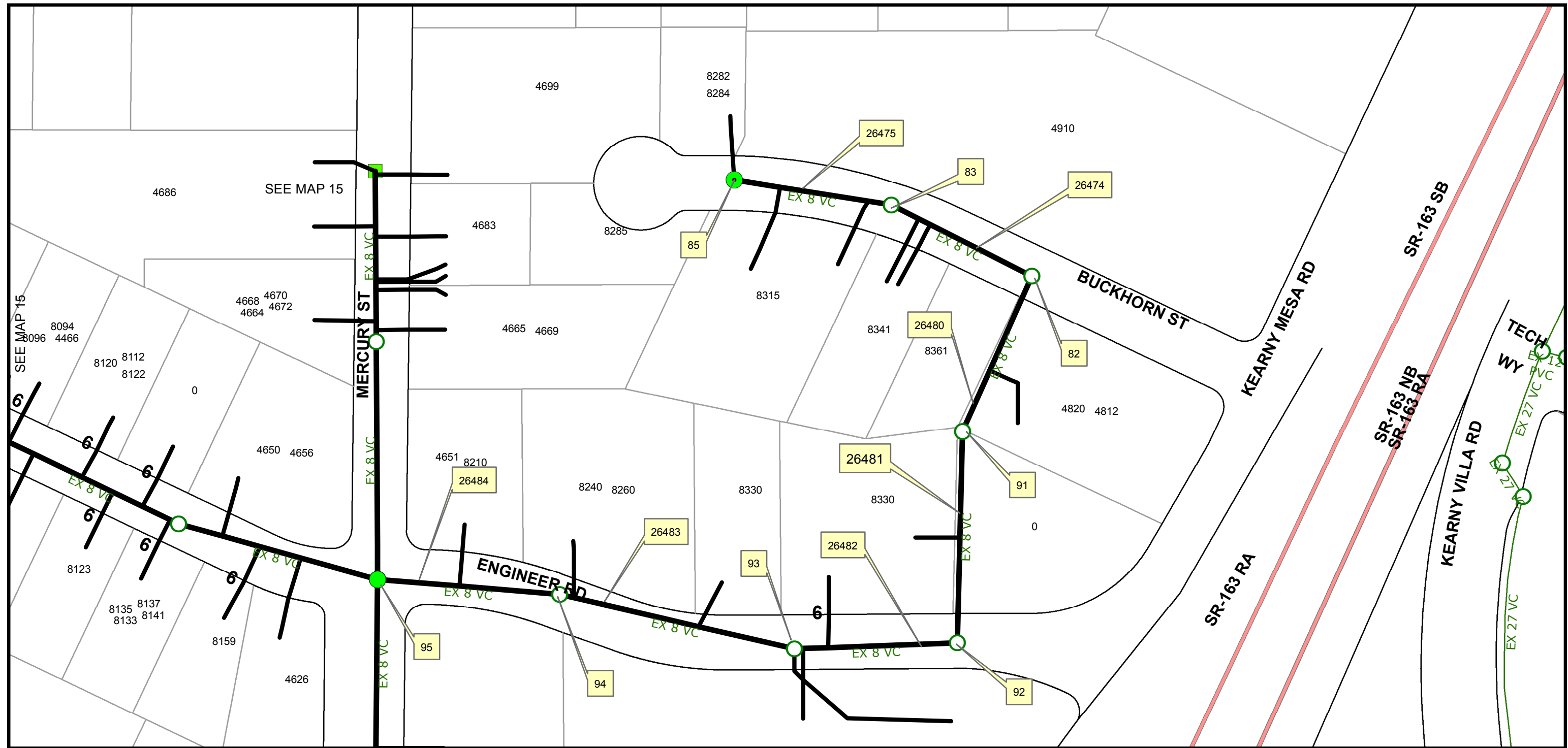
Appendix J - Site Maps 126 | Page

NOT TO SCALE

**WBS#**  
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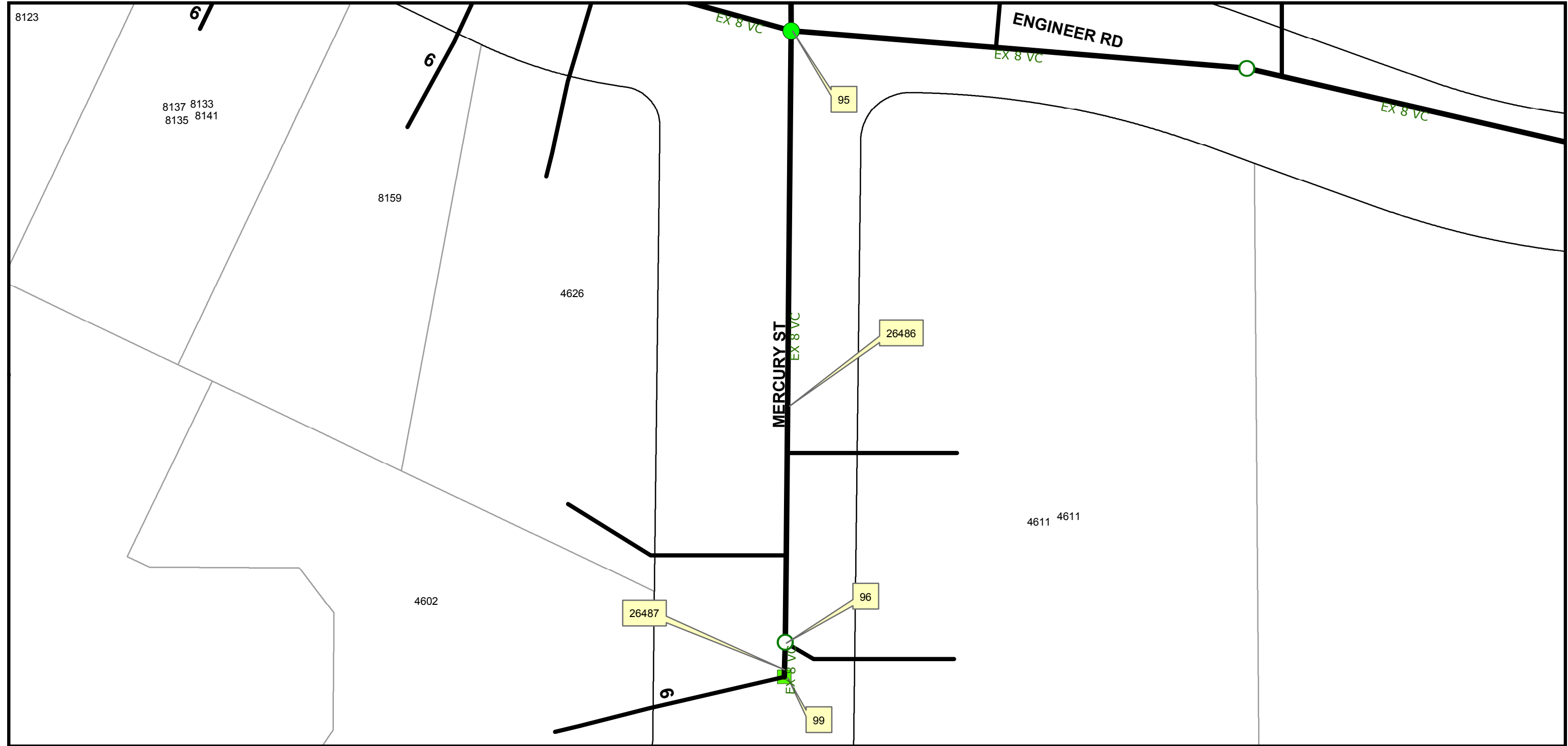
**MAP NO.**  
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<h3>Legend</h3> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 2px; background-color: black; margin-right: 5px;"></span> Proposed Pipeline Rehabilitation</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed black; margin-right: 5px;"></span> Proposed Pipeline Rehabilitation w/Point Repair</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; margin-right: 5px;"></span> Proposed MH Replacement</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; background-color: #90EE90; margin-right: 5px;"></span> Proposed MH Rehabilitation w/Point Repair</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; background-color: #00FF00; margin-right: 5px;"></span> Proposed MH Rehabilitation</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; background-color: #00FF00; border: 2px solid black; margin-right: 5px;"></span> Proposed New Manhole</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Existing Manhole</li> <li><span style="display: inline-block; width: 20px; height: 2px; background-color: black; margin-right: 5px;"></span> Proposed Lateral Rehabilitation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #00FF00; margin-right: 5px;"></span> Proposed Cleanouts</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Existing Plugs</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid black; margin-right: 5px;"></span> Existing Sewer Mains</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid #00FF00; margin-right: 5px;"></span> Existing Laterals</li> </ul>		<p>123 MANHOLE ID NUMBER</p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: #FFFF00; border: 1px solid black; margin-right: 5px;"></span> 12345 FSN (Facility Sequence Number)</p>	<h2>PIPELINE REHABILITATION AO-1</h2> <p>Appendix J - Site Maps</p> <p>127   Page</p>
<p>20</p> <p>The City of <b>SAN DIEGO</b> Public Works</p>		<p>NOT TO SCALE</p> <p>WBS# B-16161</p> <p>MAP NO. 16 of 31</p>	





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### Legend

	Proposed Pipeline Rehabilitation		Existing Manhole
	Proposed Pipeline Rehabilitation w/Point Repair		Proposed Lateral Rehabilitation
	Proposed MH Replacement		Proposed Cleanouts
	Proposed MH Rehabilitation w/PointRepair		Existing Plugs
	Proposed MH Rehabilitation		Existing Sewer Mains
	Proposed New Manhole		Existing Laterals

123 MANHOLE ID NUMBER

FSN (Facility Sequence Number)

## PIPELINE REHABILITATION AO-1

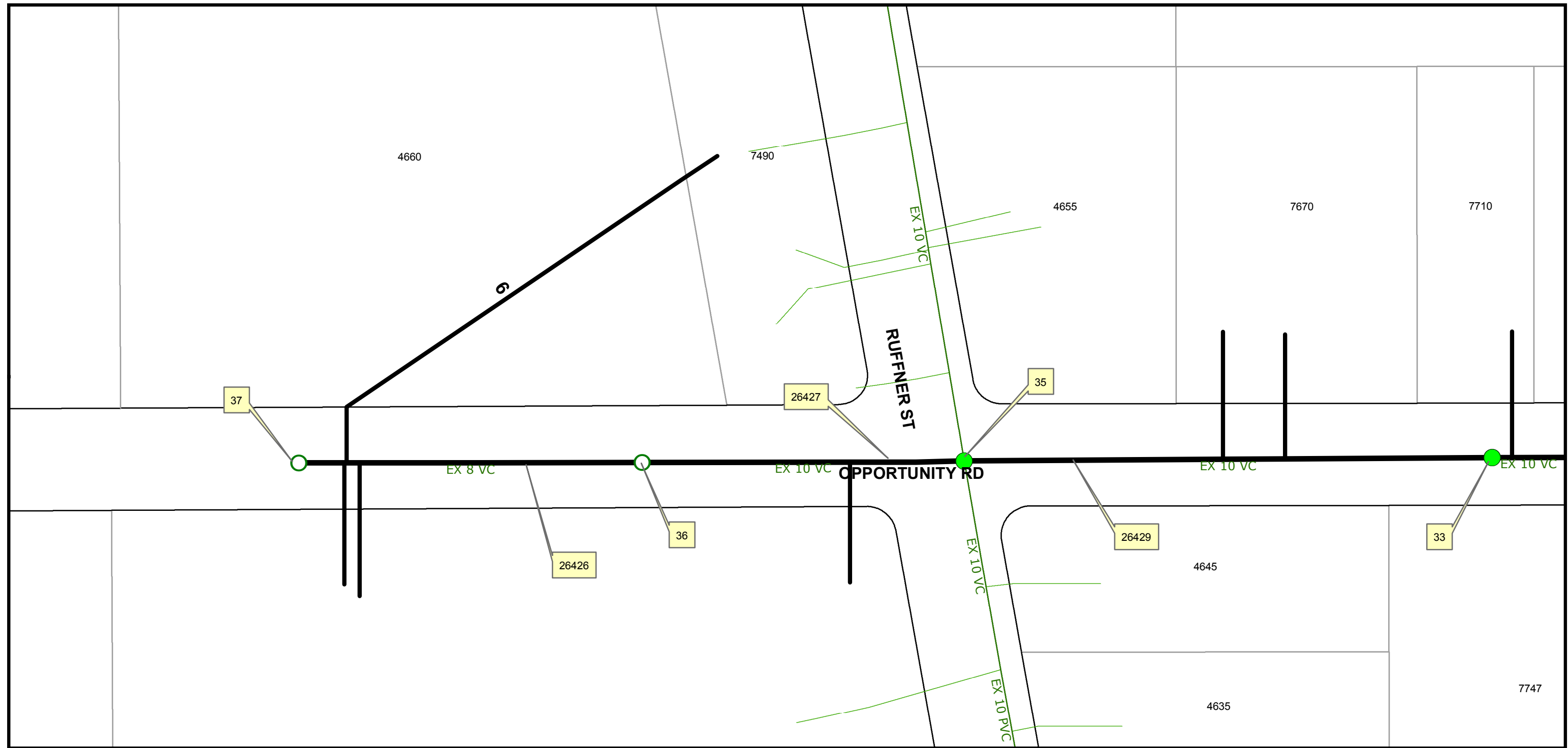
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SEE MAP 19

### Legend

Proposed Pipeline Rehabilitation	Existing Manhole	123 MANHOLE ID NUMBER
Proposed Pipeline Rehabilitation w/Point Repair	Proposed Lateral Rehabilitation	FSN (Facility Sequence Number)
Proposed MH Replacement	Proposed Cleanouts	
Proposed MH Rehabilitation w/PointRepair	Existing Plugs	
Proposed MH Rehabilitation	Existing Sewer Mains	
Proposed New Manhole	Existing Laterals	

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The City of  
**SAN DIEGO** Public Works

NOT TO SCALE

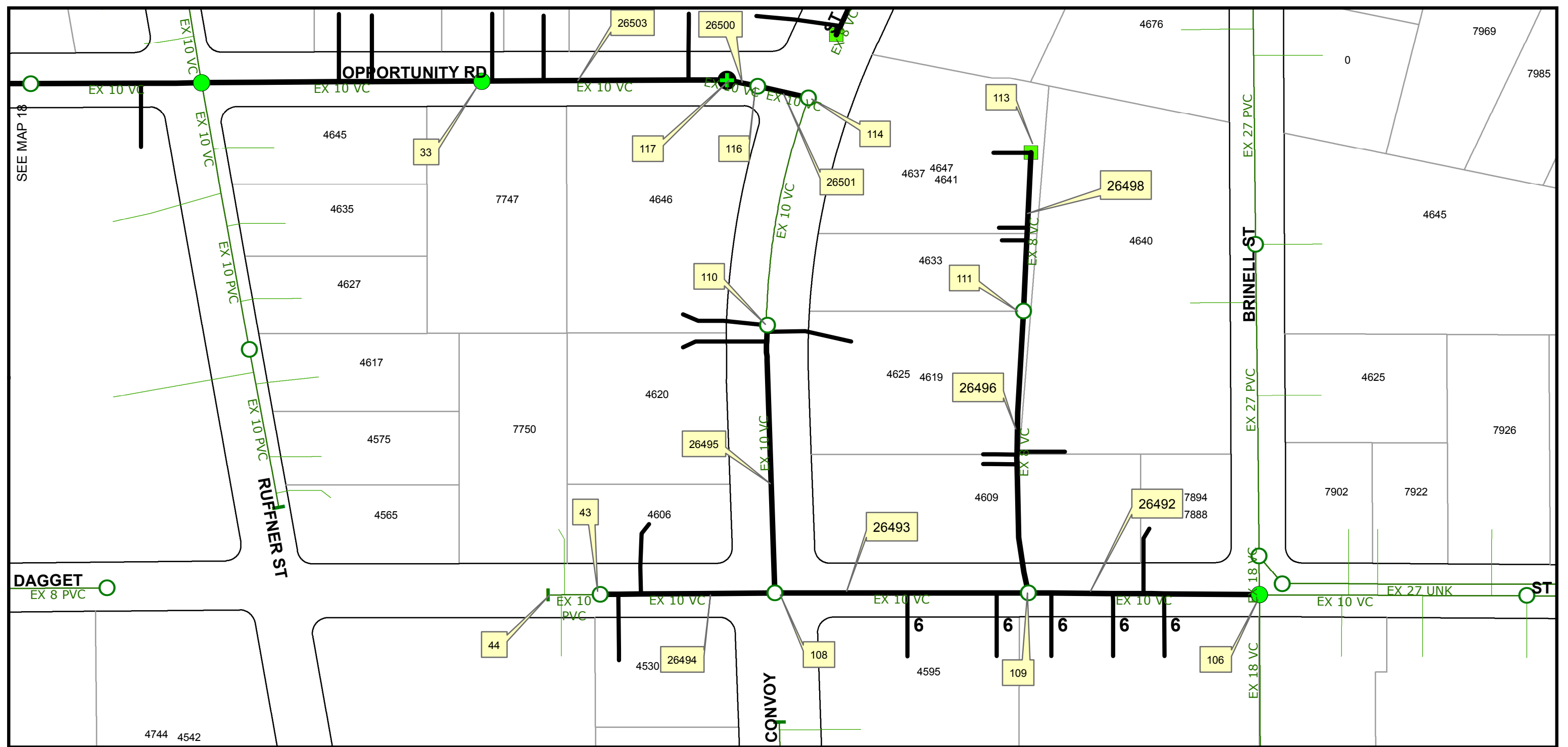
**WBS#**  
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## PIPELINE REHABILITATION AO-1

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**Legend**

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/Point Repair
- Proposed MH Replacement
- Proposed MH Rehabilitation w/Point Repair
- Proposed MH Rehabilitation
- Proposed New Manhole
- Existing Manhole
- Proposed Lateral Rehabilitation
- Proposed Cleanouts
- Existing Plugs
- Existing Sewer Mains
- Existing Laterals

123 MANHOLE ID NUMBER  
 12345 FSN (Facility Sequence Number)

**PIPELINE REHABILITATION AO-1**

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The City of  
**SAN DIEGO** Public Works

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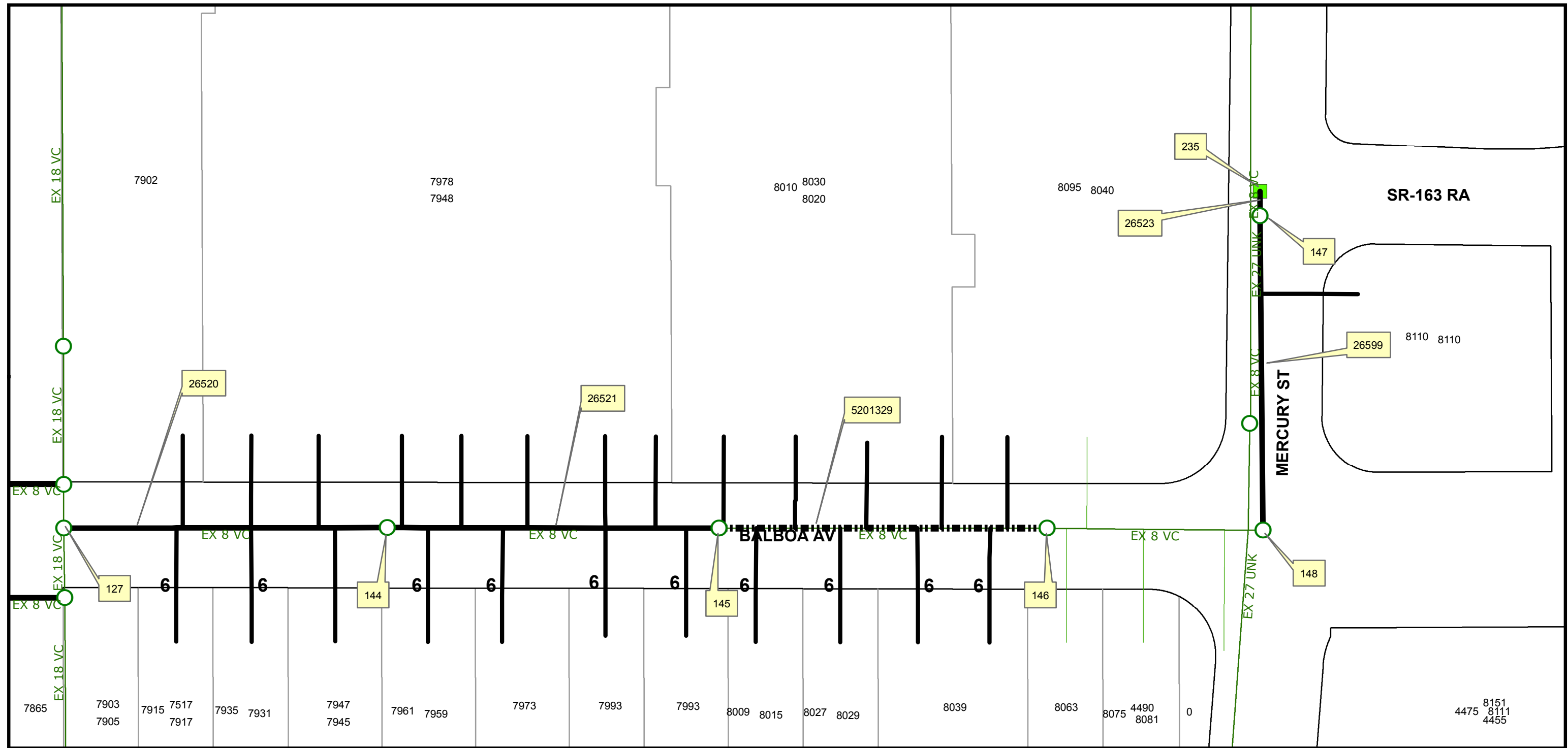
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SEE MAP 21

<b>Legend</b>		<b>PIPELINE REHABILITATION AO-1</b>	
<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 2px; background-color: black; margin-right: 5px;"></span> Proposed Pipeline Rehabilitation</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed black; margin-right: 5px;"></span> Proposed Pipeline Rehabilitation w/Point Repair</li> <li><span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 15px; margin-right: 5px;">⊗</span> Prposed MH Replacement</li> <li><span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 15px; margin-right: 5px;">+</span> Proposed MH Rehabilitation w/PointRepair</li> <li><span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 15px; margin-right: 5px;">●</span> Proposed MH Rehabilitation</li> <li><span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 15px; margin-right: 5px;">●</span> Proposed New Manhole</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 15px; margin-right: 5px;">○</span> Existing Manhole</li> <li><span style="display: inline-block; width: 20px; height: 2px; background-color: black; margin-right: 5px;"></span> Proposed Lateral Rehabilitation</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: green; margin-right: 5px;"></span> Proposed Cleanouts</li> <li><span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></span> Existing Plugs</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid green; margin-right: 5px;"></span> Existing Sewer Mains</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid green; margin-right: 5px;"></span> Existing Laterals</li> </ul>	<p>123 MANHOLE ID NUMBER</p> <p><span style="display: inline-block; width: 20px; height: 15px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> 12345 FSN (Facility Sequence Number)</p>	<p>Appendix J – Site Maps</p> <p style="text-align: right;">131   Page</p>
<p style="text-align: center;">24</p>			
<p style="text-align: center;">NOT TO SCALE</p>		<p><b>WBS#</b> B-16161</p>	<p><b>MAP NO.</b> 20 of 31</p>

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### Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/Point Repair
- Existing Manhole
- Proposed Lateral Rehabilitation
- Proposed MH Replacement
- Proposed MH Rehabilitation w/PointRepair
- Proposed MH Rehabilitation
- Proposed New Manhole
- Proposed Cleanouts
- Existing Plugs
- Existing Sewer Mains
- Existing Laterals

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

## PIPELINE REHABILITATION AO-1

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NOT TO SCALE

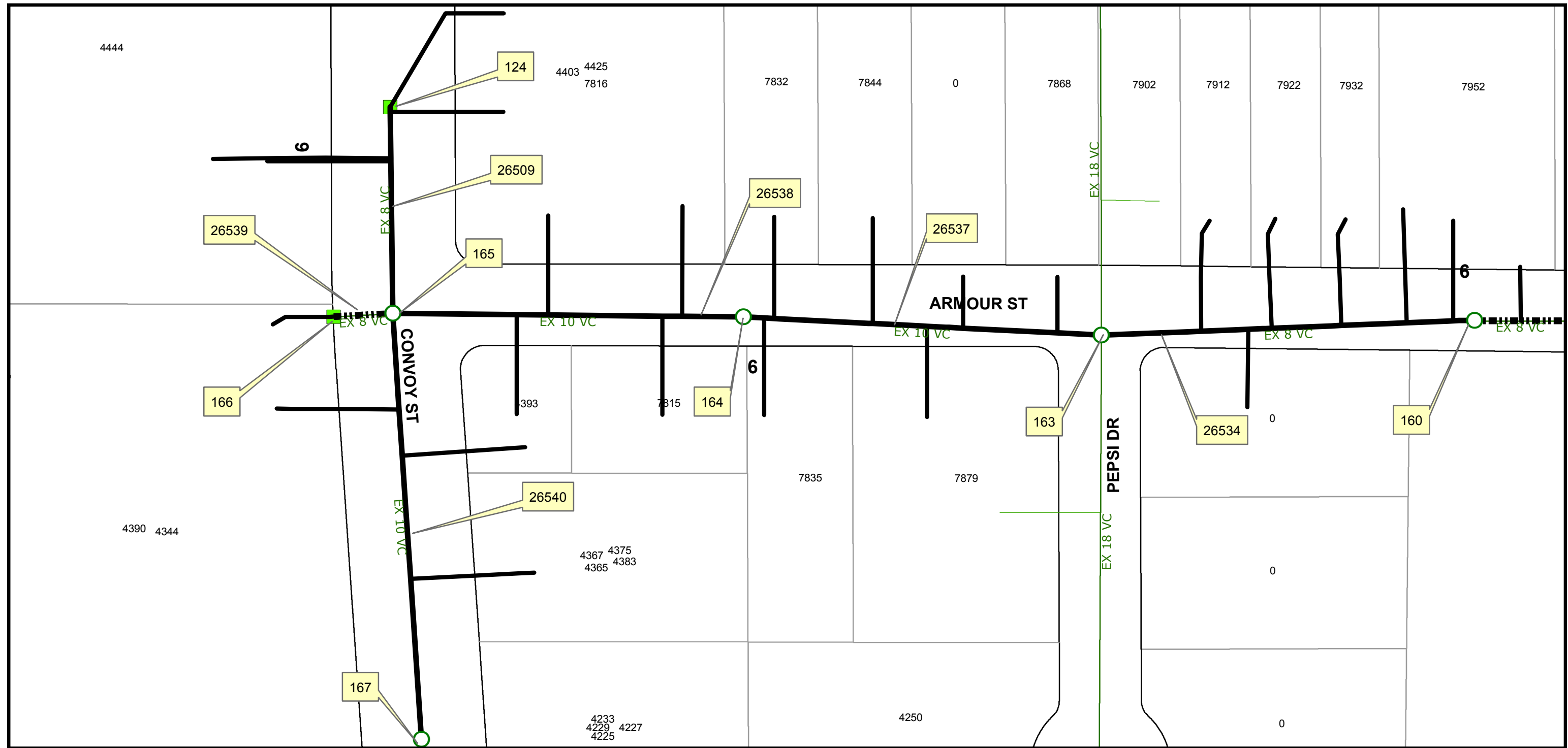
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The City of **SAN DIEGO** Public Works

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SEE MAP 24

SEE MAP 23

### Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/Point Repair
- Proposed MH Replacement
- Proposed MH Rehabilitation w/PointRepair
- Proposed MH Rehabilitation
- Proposed New Manhole
- Proposed Lateral Rehabilitation
- Proposed Cleanouts
- Existing Plugs
- Existing Sewer Mains
- Existing Laterals

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

## PIPELINE REHABILITATION AO-1

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NOT TO SCALE

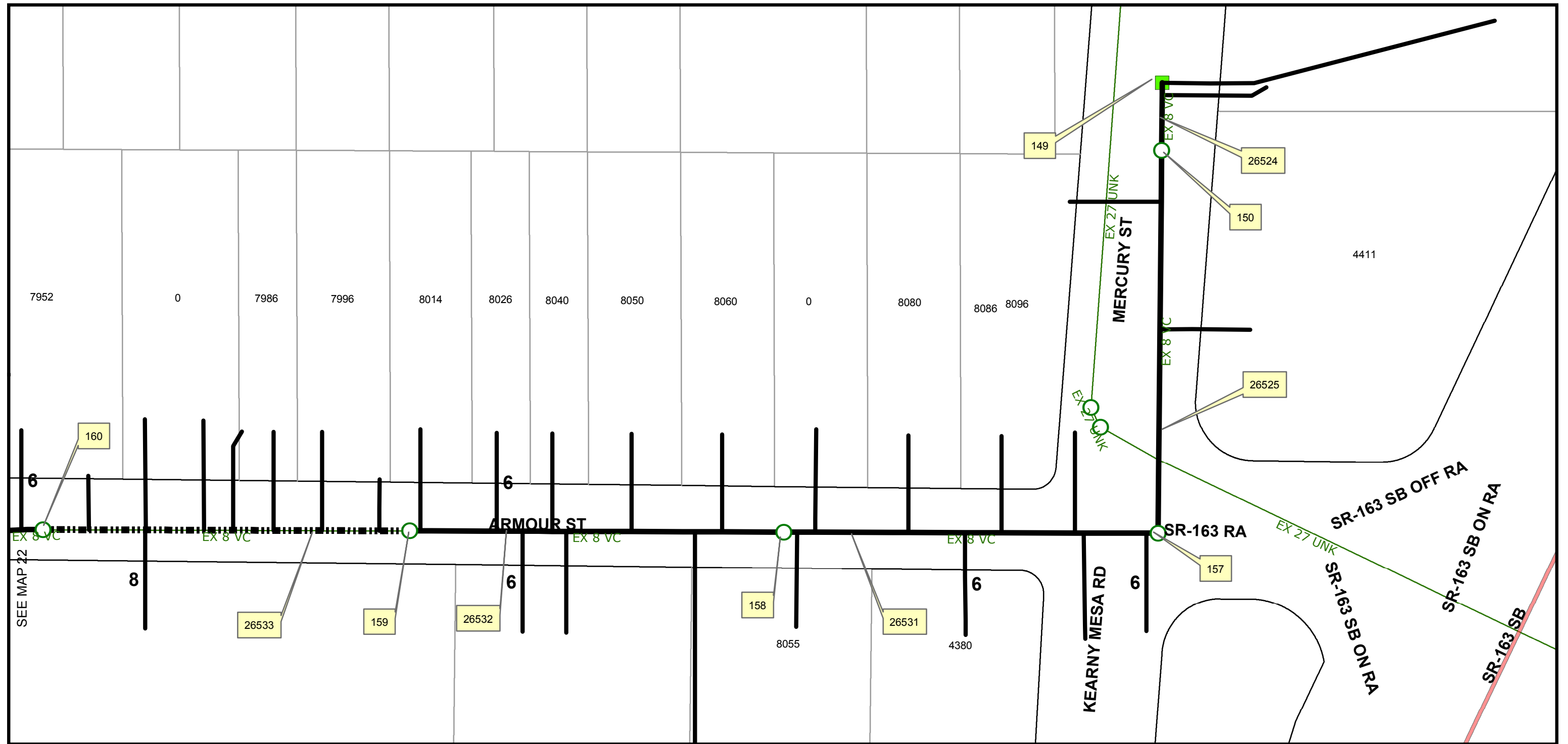
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## Legend

<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 2px; background-color: black; margin-right: 5px;"></span> Proposed Pipeline Rehabilitation</li> <li><span style="display: inline-block; width: 20px; border-top: 2px dashed black; margin-right: 5px;"></span> Proposed Pipeline Rehabilitation w/Point Repair</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 10px; margin-right: 5px;">⊗</span> Proposed MH Replacement</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 10px; margin-right: 5px;">+</span> Proposed MH Rehabilitation w/PointRepair</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 10px; margin-right: 5px;">●</span> Proposed MH Rehabilitation</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 10px; margin-right: 5px;">●</span> Proposed New Manhole</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 10px; margin-right: 5px;">○</span> Existing Manhole</li> <li><span style="display: inline-block; width: 20px; height: 2px; background-color: black; margin-right: 5px;"></span> Proposed Lateral Rehabilitation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; margin-right: 5px;"></span> Proposed Cleanouts</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Existing Plugs</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid green; margin-right: 5px;"></span> Existing Sewer Mains</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid green; margin-right: 5px;"></span> Existing Laterals</li> </ul>	<p>123 MANHOLE ID NUMBER</p> <p><span style="display: inline-block; width: 20px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> 12345 FSN (Facility Sequence Number)</p>
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## PIPELINE REHABILITATION AO-1

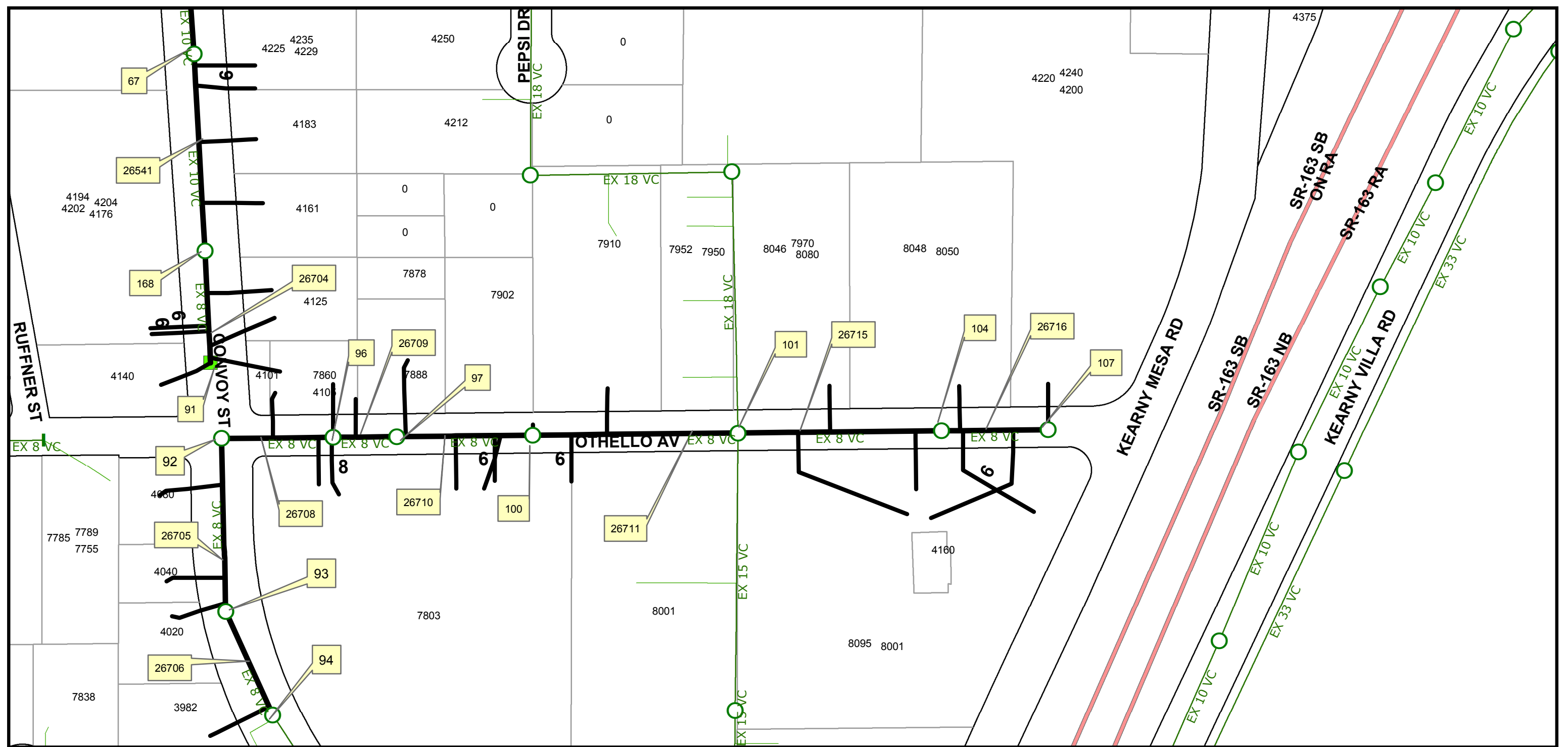
Appendix J – Site Maps 134 | Page

 <small>NOT TO SCALE</small>	<b>WBS#</b> <b>B-16161</b>	<b>MAP NO.</b> <b>23 of 31</b>
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The City of **SAN DIEGO** Public Works

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### Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/Point Repair
- ⊗ Proposed MH Replacement
- + Proposed MH Rehabilitation w/Point Repair
- Proposed MH Rehabilitation
- Proposed New Manhole
- Proposed Lateral Rehabilitation
- Proposed Cleanouts
- Existing Plugs
- Existing Sewer Mains
- Existing Laterals

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

## PIPELINE REHABILITATION AO-1

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NOT TO SCALE

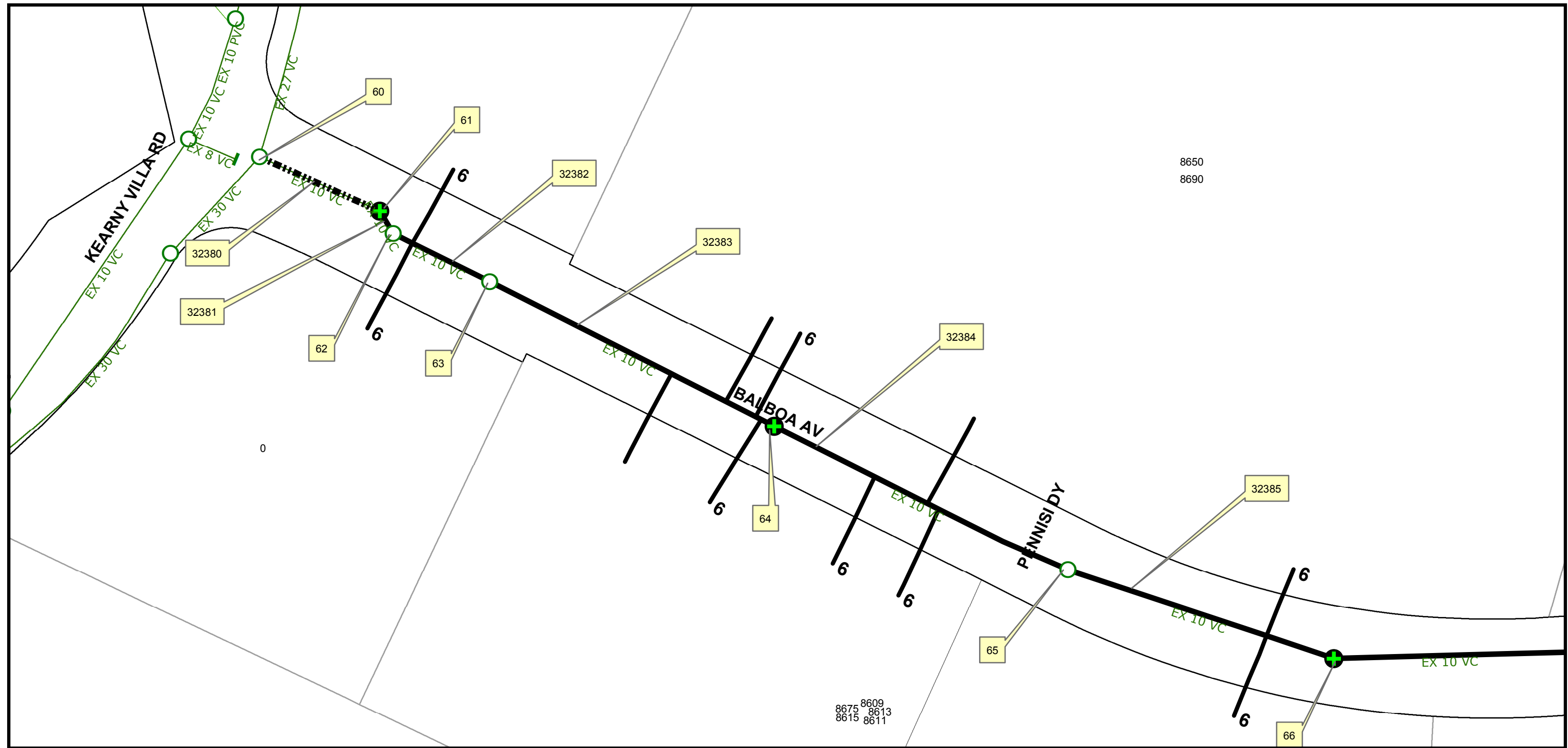
The City of  
**SAN DIEGO** Public Works

**WBS#**  
B-16161

**MAP NO.**  
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SEE MAP 26

### Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/Point Repair
- Existing Manhole
- Proposed Lateral Rehabilitation
- Proposed MH Replacement
- Proposed MH Rehabilitation w/PointRepair
- Proposed MH Rehabilitation
- Proposed New Manhole
- Proposed Cleanouts
- Existing Plugs
- Existing Sewer Mains
- Existing Laterals

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

## PIPELINE REHABILITATION AO-1

Appendix J - Site Maps 136 | Page

NOT TO SCALE

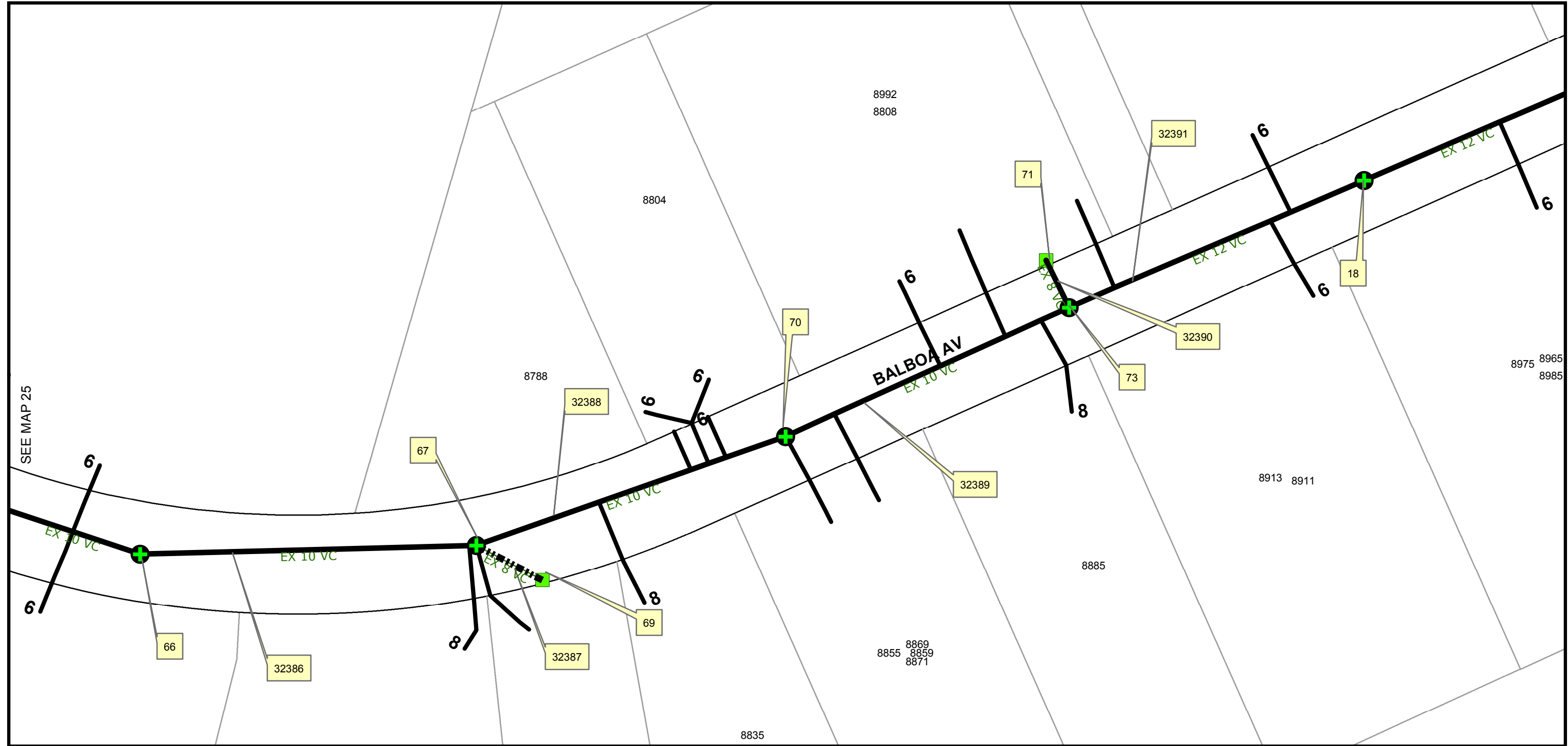
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The City of **SAN DIEGO** Public Works

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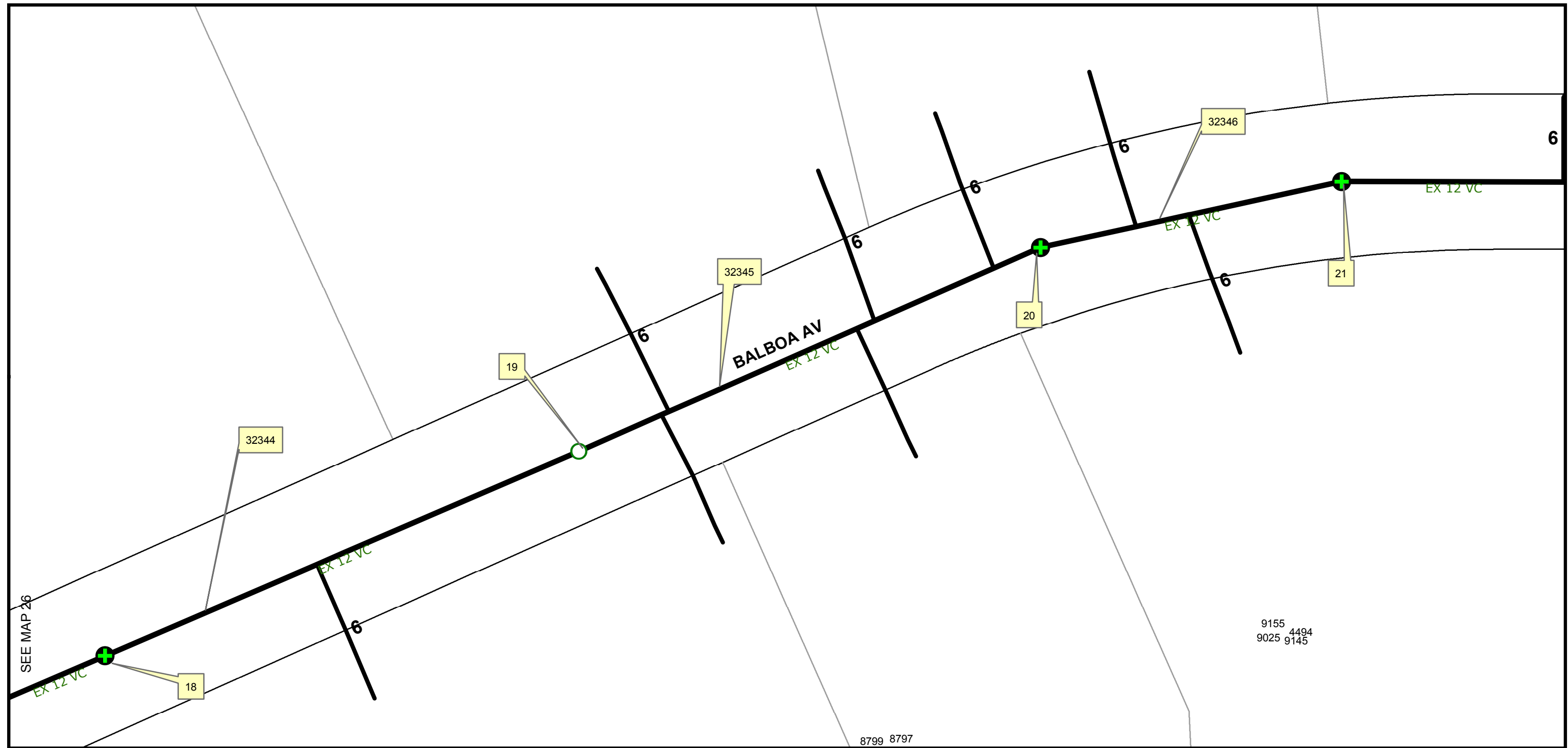


SEE MAP 25

SEE MAP 27

<b>Legend</b>		123 MANHOLE ID NUMBER		<b>PIPELINE REHABILITATION AO-1</b>	
<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 2px; background-color: black; margin-right: 5px;"></span> Proposed Pipeline Rehabilitation</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed black; margin-right: 5px;"></span> Proposed Pipeline Rehabilitation w/Point Repair</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 10px; margin-right: 5px;">⊗</span> Prposed MH Replacement</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 10px; margin-right: 5px;">+</span> Proposed MH Rehabilitation w/PointRepair</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 10px; margin-right: 5px;">●</span> Proposed MH Rehabilitation</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 10px; margin-right: 5px;">⊙</span> Proposed New Manhole</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 10px; margin-right: 5px;">○</span> Existing Manhole</li> <li><span style="display: inline-block; width: 20px; height: 2px; background-color: black; margin-right: 5px;"></span> Proposed Lateral Rehabilitation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; margin-right: 5px;"></span> Proposed Cleanouts</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Existing Plugs</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid green; margin-right: 5px;"></span> Existing Sewer Mains</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid green; margin-right: 5px;"></span> Existing Laterals</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> 12345 FSN (Facility Sequence Number)</li> </ul>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>Appendix J - Site Maps</p> <p>137   Page</p> </div> <div style="text-align: center;"> <p>NOT TO SCALE</p> </div> <div style="text-align: center;"> <p><b>WBS#</b> B-16161</p> </div> <div style="text-align: center;"> <p><b>MAP NO.</b> 26 of 31</p> </div> </div>		
		<p>30</p>			

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**Legend**

Proposed Pipeline Rehabilitation	Existing Manhole	123 MANHOLE ID NUMBER
Proposed Pipeline Rehabilitation w/Point Repair	Proposed Lateral Rehabilitation	FSN (Facility Sequence Number)
Proposed MH Replacement	Proposed Cleanouts	
Proposed MH Rehabilitation w/PointRepair	Existing Plugs	
Proposed MH Rehabilitation	Existing Sewer Mains	
Proposed New Manhole	Existing Laterals	

**PIPELINE REHABILITATION AO-1**

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The City of  
**SAN DIEGO** Public Works

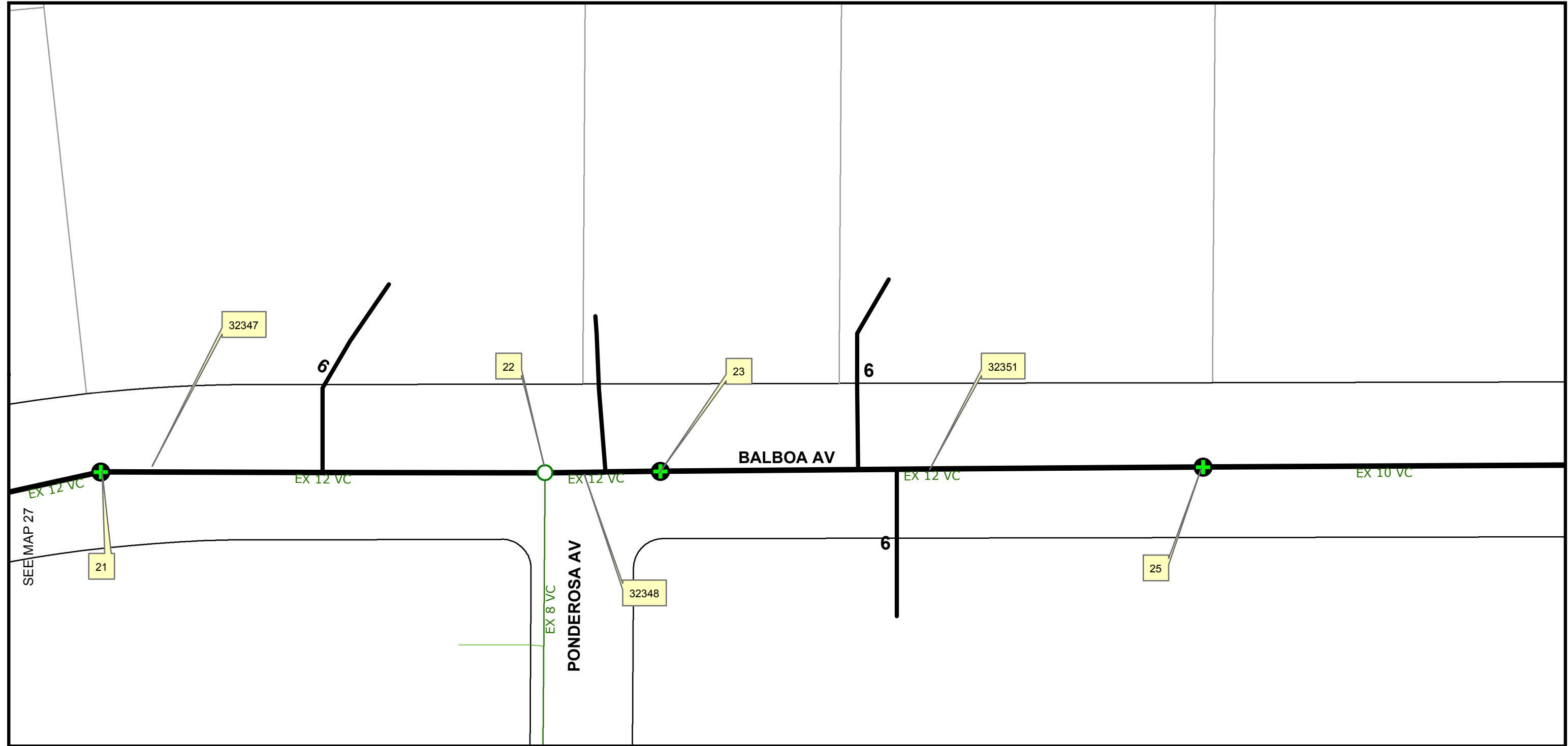
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B-16161

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SEE MAP 29

**Legend**

Proposed Pipeline Rehabilitation	Existing Manhole	123 MANHOLE ID NUMBER
Proposed Pipeline Rehabilitation w/Point Repair	Proposed Lateral Rehabilitation	FSN (Facility Sequence Number)
Proposed MH Replacement	Proposed Cleanouts	
Proposed MH Rehabilitation w/PointRepair	Existing Plugs	
Proposed MH Rehabilitation	Existing Sewer Mains	
Proposed New Manhole	Existing Laterals	

**PIPELINE REHABILITATION AO-1**

Appendix J - Site Maps 139 | Page

The City of  
**SAN DIEGO** Public Works

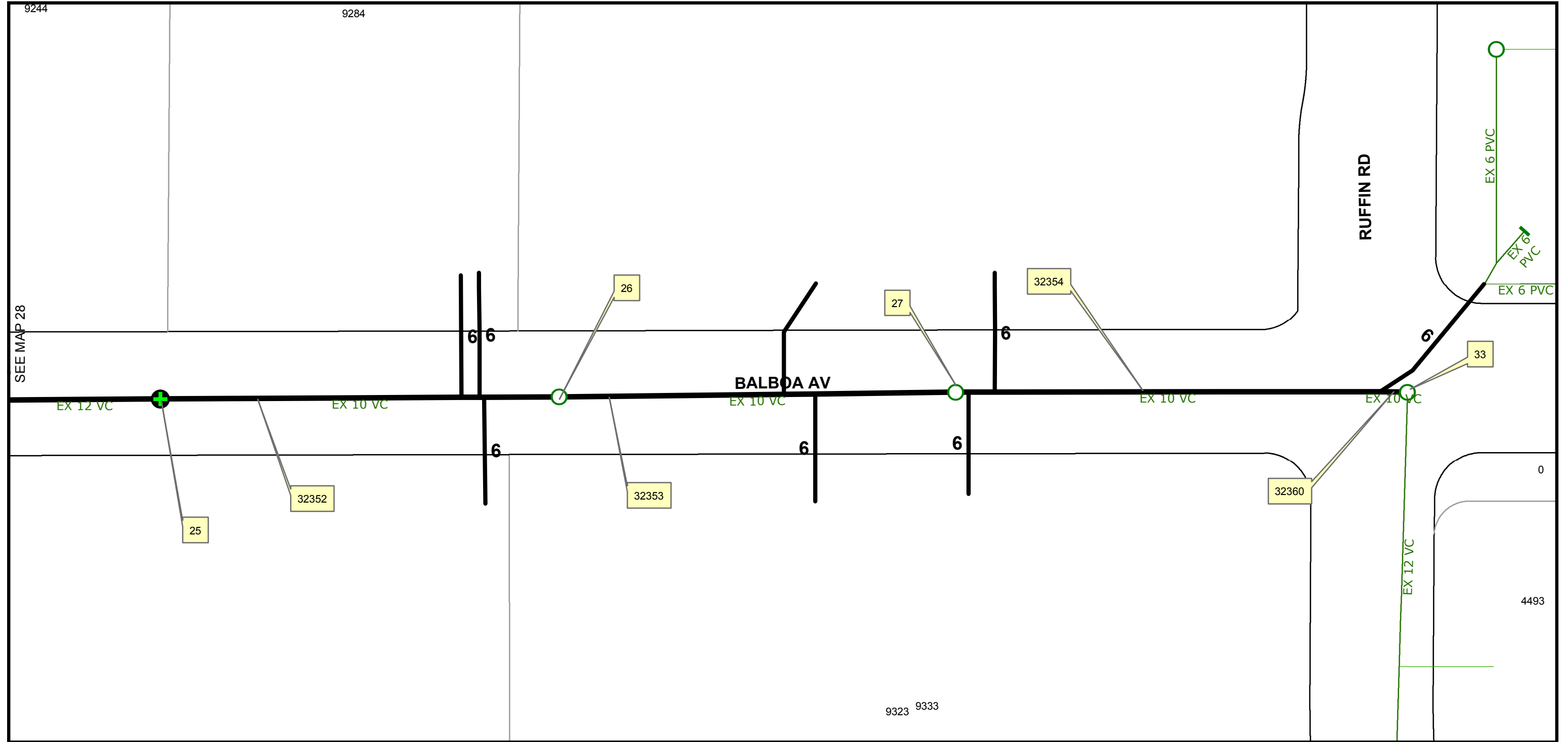
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B-16161

**MAP NO.**  
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### Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/Point Repair
- Existing Manhole
- Proposed Lateral Rehabilitation
- Proposed MH Replacement
- Proposed MH Rehabilitation w/PointRepair
- Proposed MH Rehabilitation
- Proposed New Manhole
- Proposed Cleanouts
- Existing Plugs
- Existing Sewer Mains
- Existing Laterals

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

## PIPELINE REHABILITATION AO-1

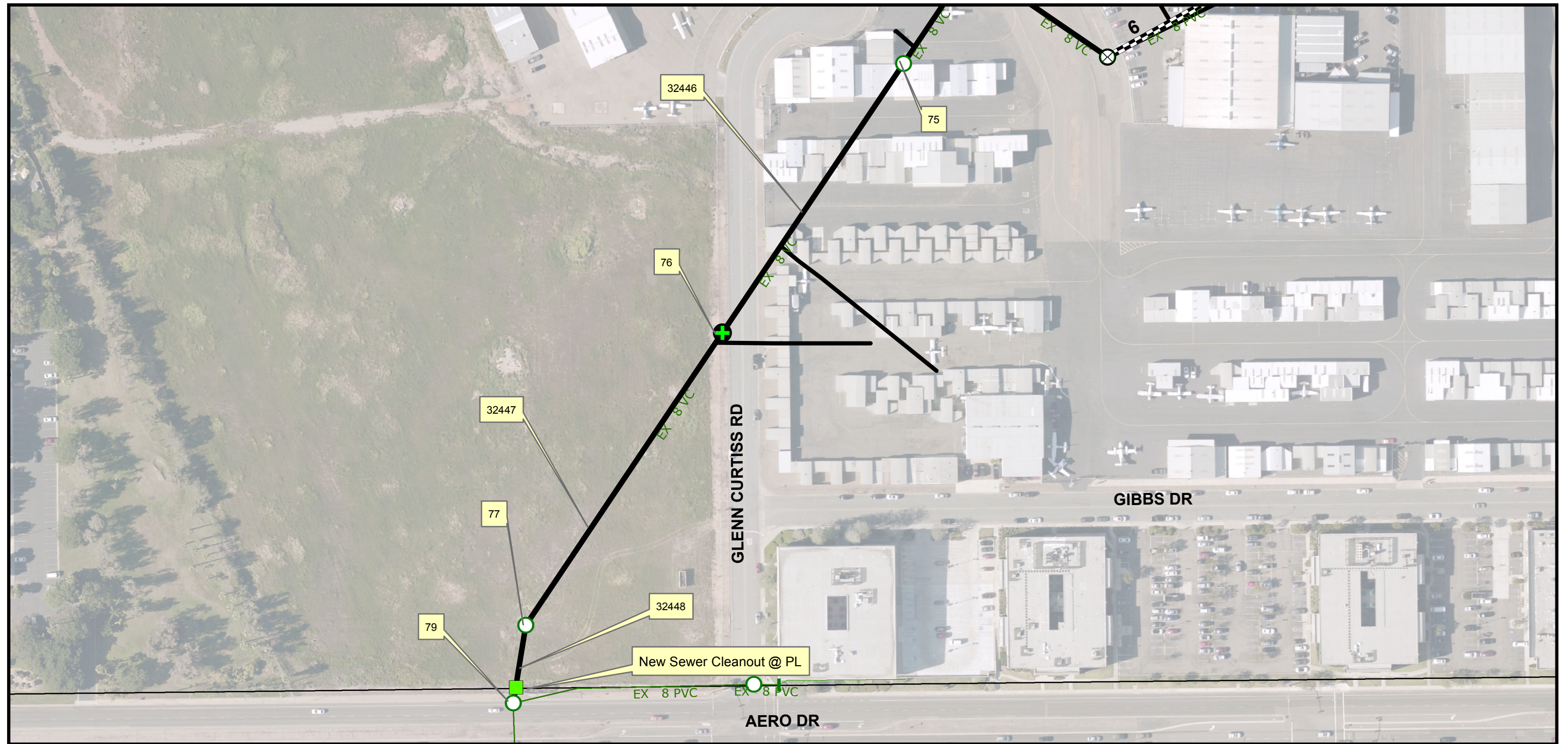
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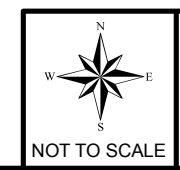
**Legend**

- ⊗ Proposed MH Replacement
- ⊕ Proposed MH Rehabilitation w/Point Repair
- Proposed MH Rehabilitation
- Proposed New Manhole
- Existing Manhole
- ▬ Proposed Sewer Main Replacement
- ▬ Proposed Pipeline Rehabilitation
- ▬▬▬▬ Proposed Pipeline Rehabilitation w/Point Repair
- ▬ Proposed Lateral Rehabilitation
- Proposed Cleanouts
- Existing Plugs
- Existing Sewer Mains
- Existing Laterals

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

**PIPELINE REHABILITATION AO-1**

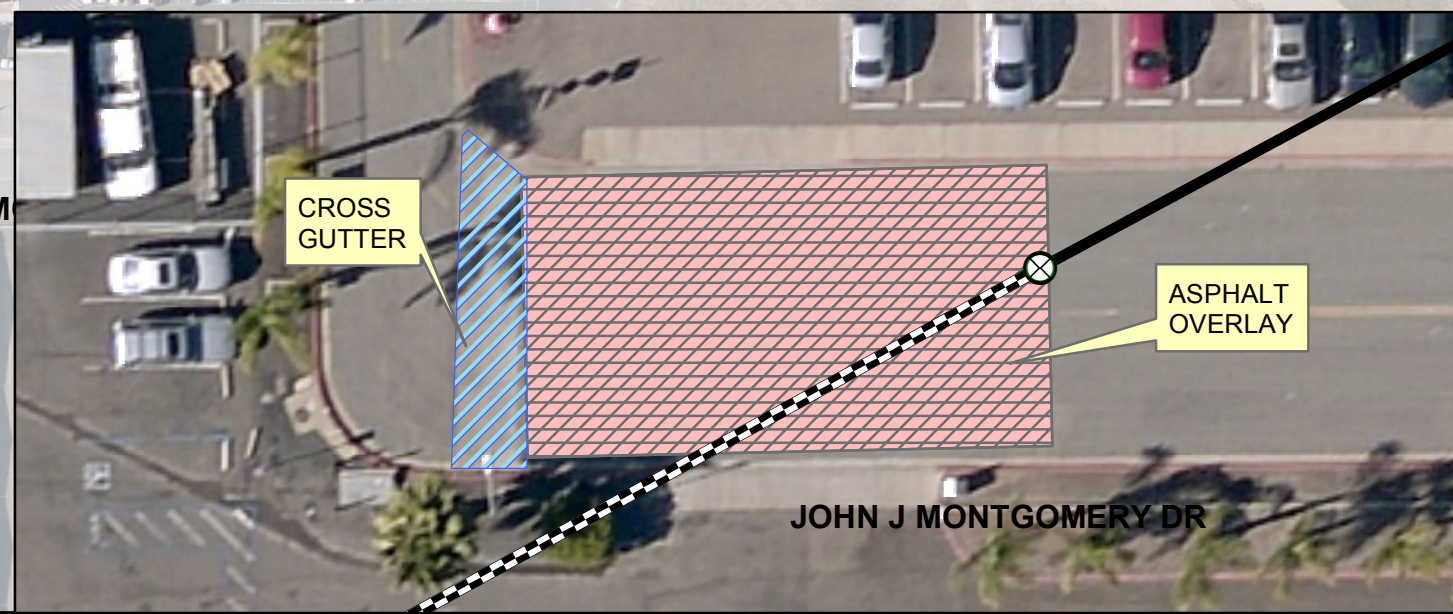
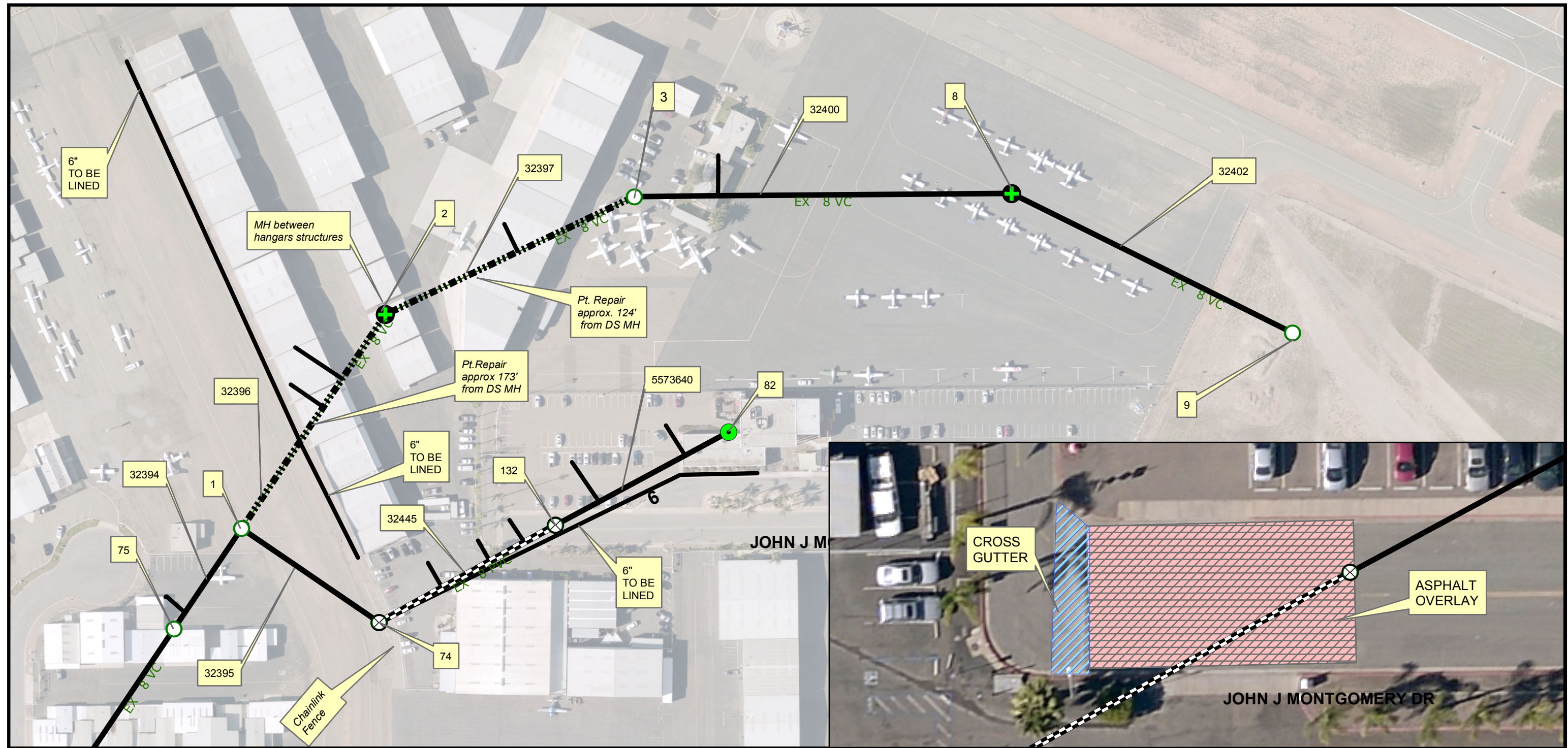


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**MAP NO.**  
30 of 31



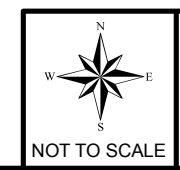
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**Legend** SEE MAP 30

- |   |                        |                                   |                                      |
|---|------------------------|-----------------------------------|--------------------------------------|
| — Proposed Pipeline Rehabilitation                    | ○ Existing Manhole     | — Proposed Lateral Rehabilitation | 123 MANHOLE ID NUMBER                |
| - - - Proposed Pipeline Rehabilitation w/Point Repair | — Proposed Cleanouts   | — Existing Plugs                  | 12345 FSN (Facility Sequence Number) |
| · · · Proposed Sewer Main Replacement                 | — Existing Sewer Mains | — Existing Laterals               |                                      |
| ⊗ Proposed MH Replacement                             |                        |                                   |                                      |
| ⊕ Proposed MH Rehabilitation w/Point Repair           |                        |                                   |                                      |
| ● Proposed MH Rehabilitation                          |                        |                                   |                                      |
| ● Proposed New Manhole                                |                        |                                   |                                      |

**PIPELINE REHABILITATION AO-1**

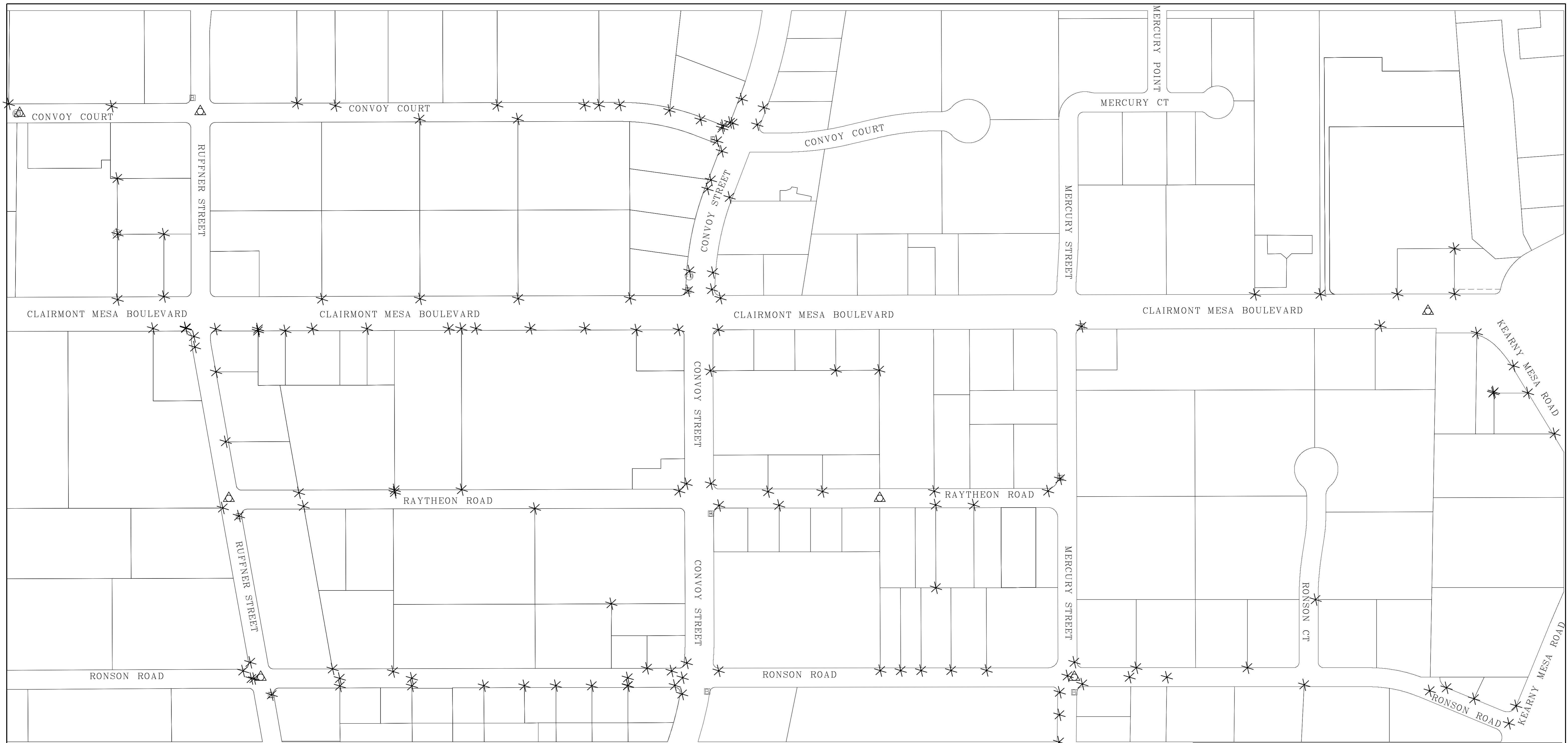


**WBS#**  
B-16161

**MAP NO.**  
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# SURVEY MONUMENTS





MONUMENTATION / SURVEY NOTES

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THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

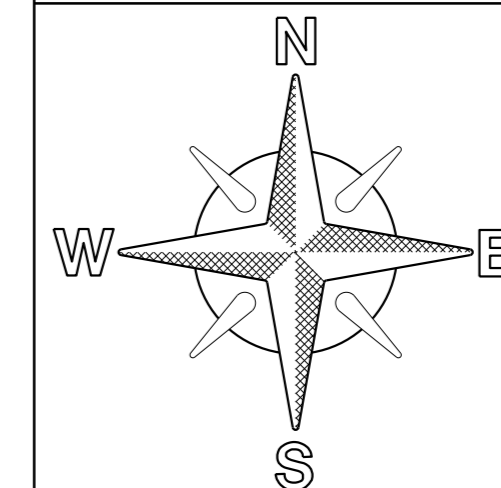
IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION. THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

LEGEND

- \* LOCATION OF EXISTING SURVEY MONUMENT
- △ LOCATION OF EXISTING M-10
- ▣ LOCATION OF SURVEY BENCH MARK
- ⊕ LOCATION OF FOUND GPS POINT
- △ LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

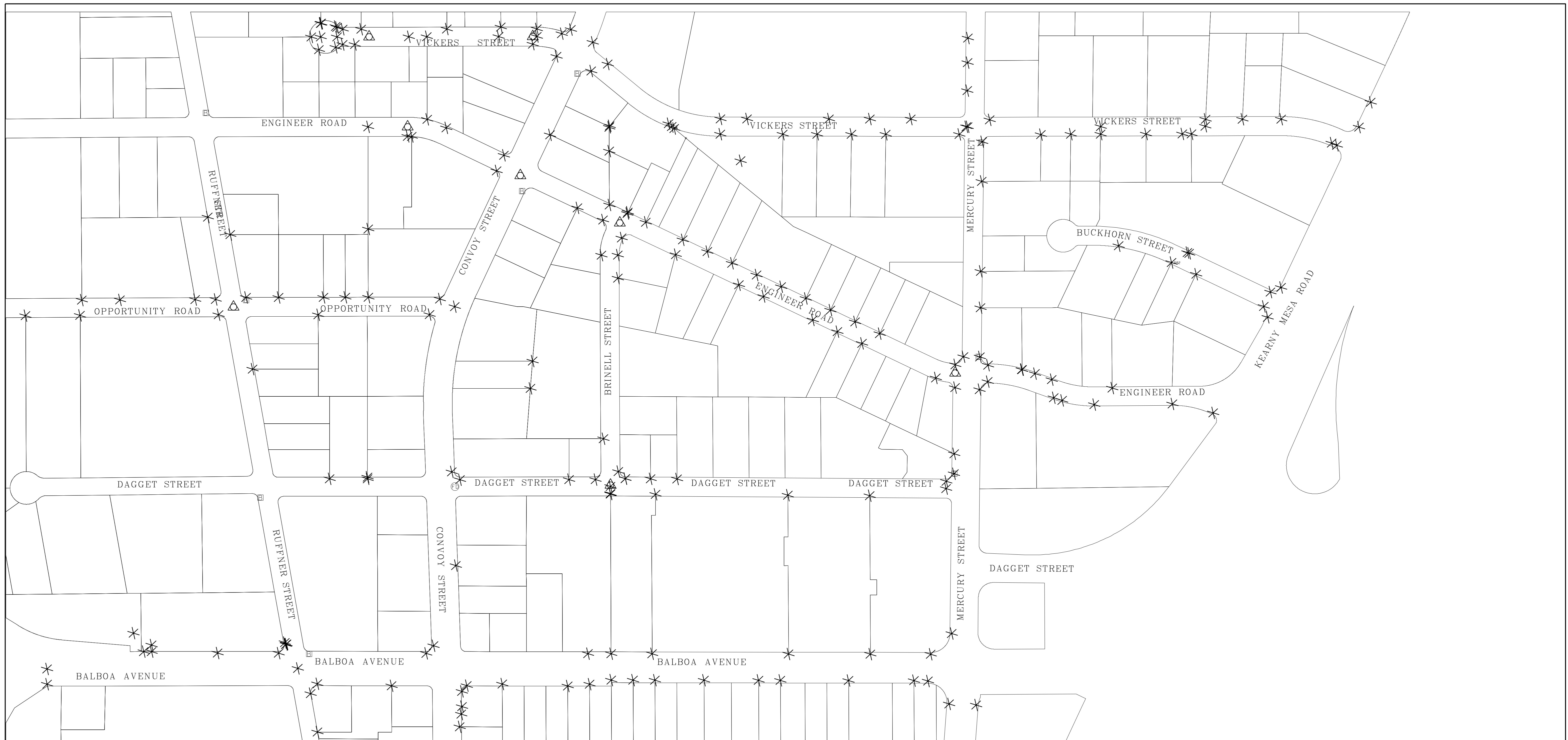
MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AO-1

MONUMENT PERPETUATION (1 OF 4)



WBS # B-16161

SEE MAP



MONUMENTATION / SURVEY NOTES

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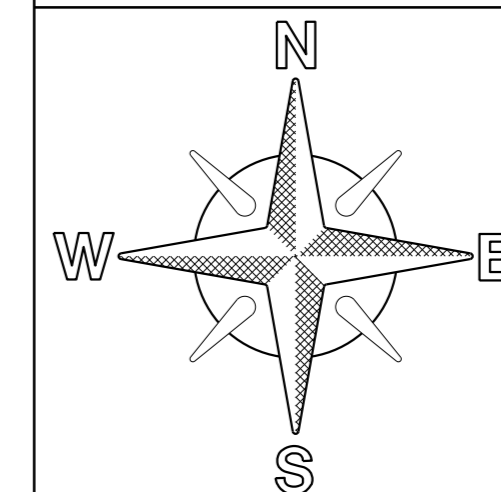
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LEGEND

- \* LOCATION OF EXISTING SURVEY MONUMENT
- △ LOCATION OF EXISTING M-10
- ▣ LOCATION OF SURVEY BENCH MARK
- ⊕ LOCATION OF FOUND GPS POINT
- △ LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

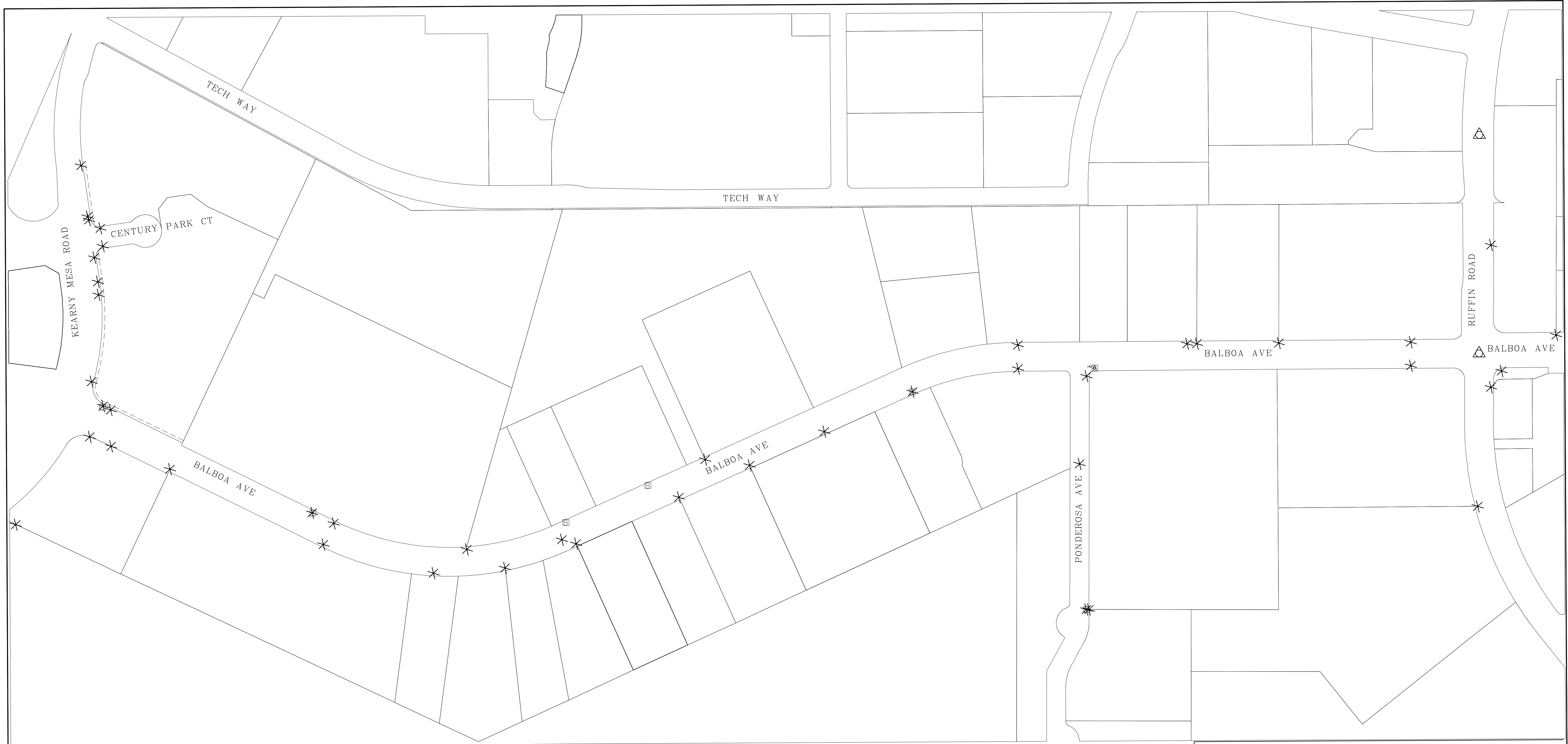
MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AO-1

MONUMENT PERPETUATION  
(2 OF 4)



WBS #  
B-16161

SEE MAP



MONUMENTATION / SURVEY NOTES

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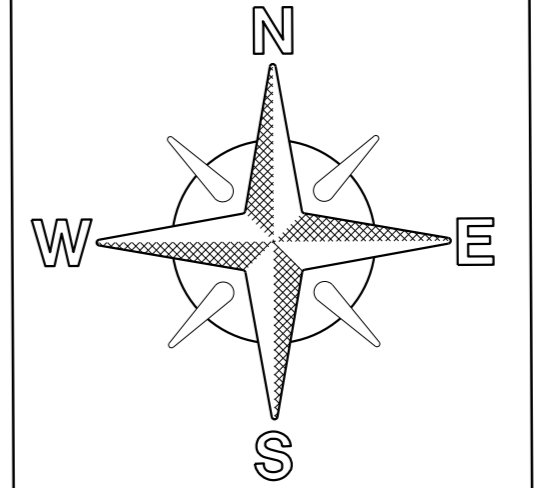
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LEGEND

- \* LOCATION OF EXISTING SURVEY MONUMENT
- △ LOCATION OF EXISTING M-10
- ⊠ LOCATION OF SURVEY BENCH MARK
- ⊙ LOCATION OF FOUND GPS POINT
- △ LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

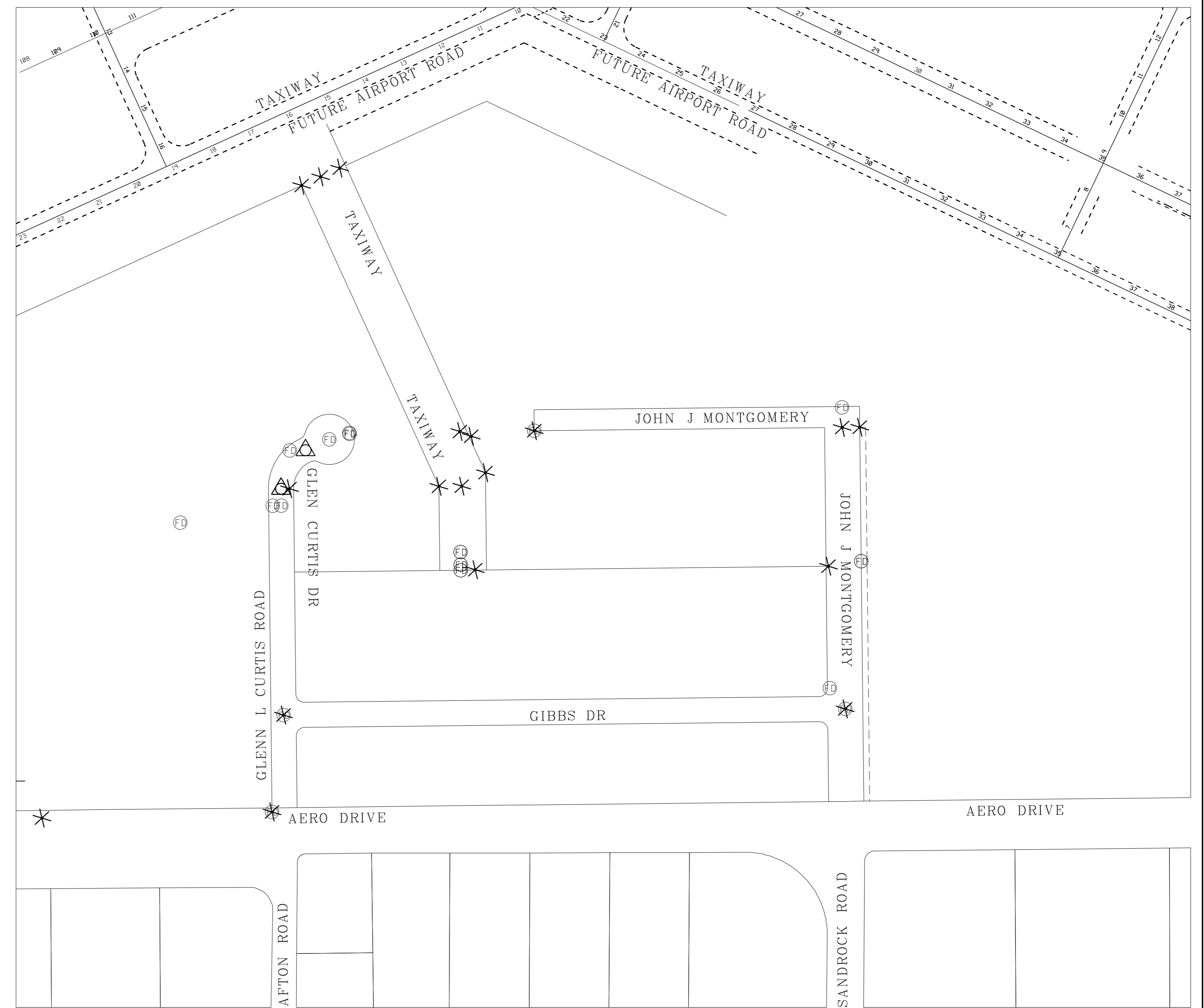
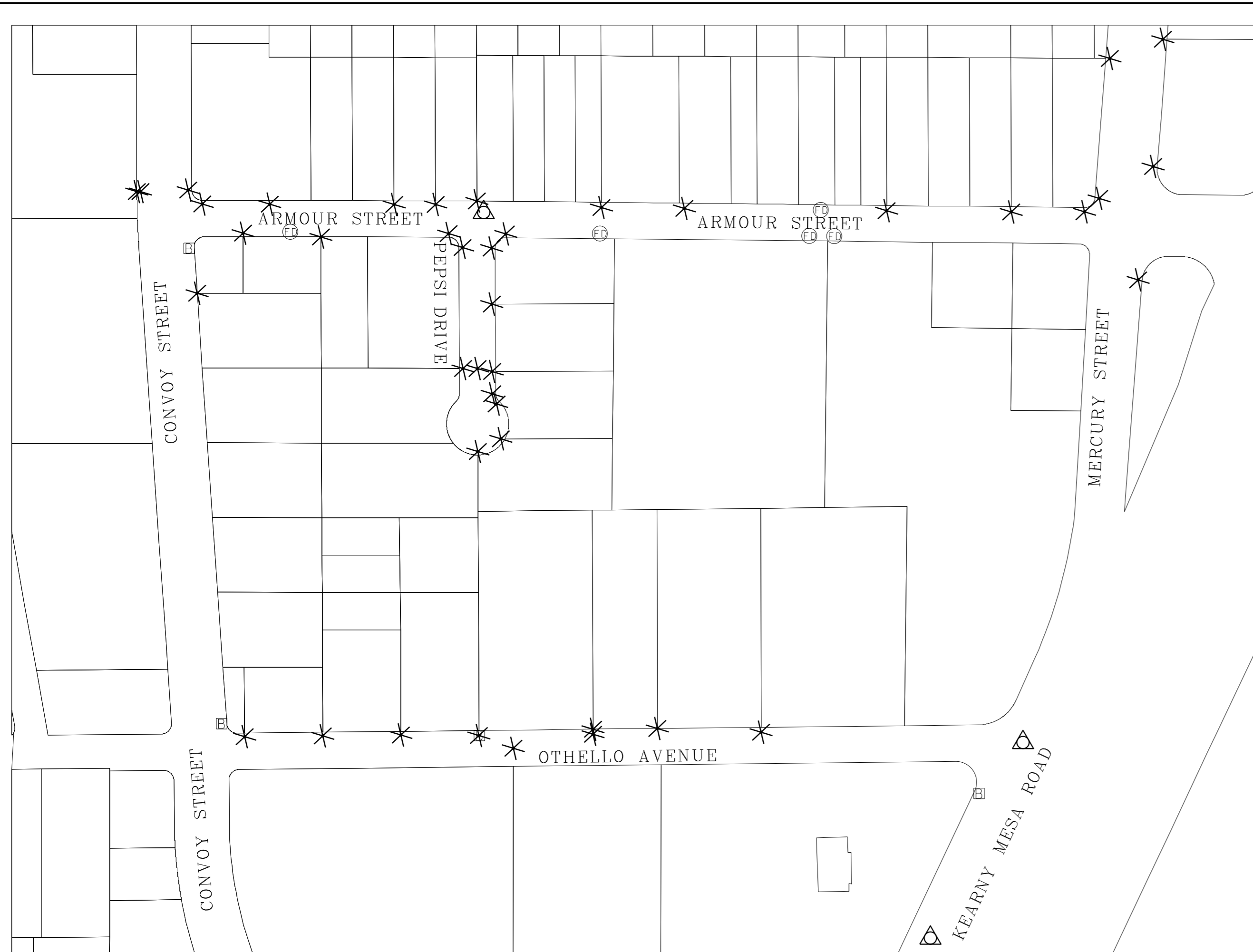
MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AO-1

MONUMENT PERPETUATION (3 OF 4)



WBS # B-16161

SEE MAP



MONUMENTATION / SURVEY NOTES

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THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR.

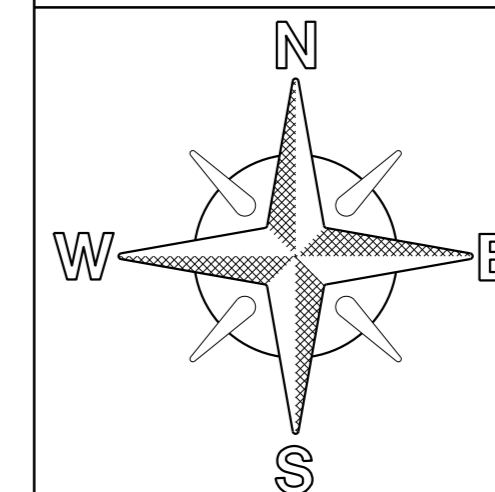
IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION. THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

LEGEND

- \* LOCATION OF EXISTING SURVEY MONUMENT
- △ LOCATION OF EXISTING M-10
- ▣ LOCATION OF SURVEY BENCH MARK
- ⊕ LOCATION OF FOUND GPS POINT
- △ LOCATION OF FOUND EVIDENCE OF MONUMENT
- MAP NUMBER

MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AO-1

MONUMENT PERPETUATION (4 OF 4)



WBS # B-16161

SEE MAP

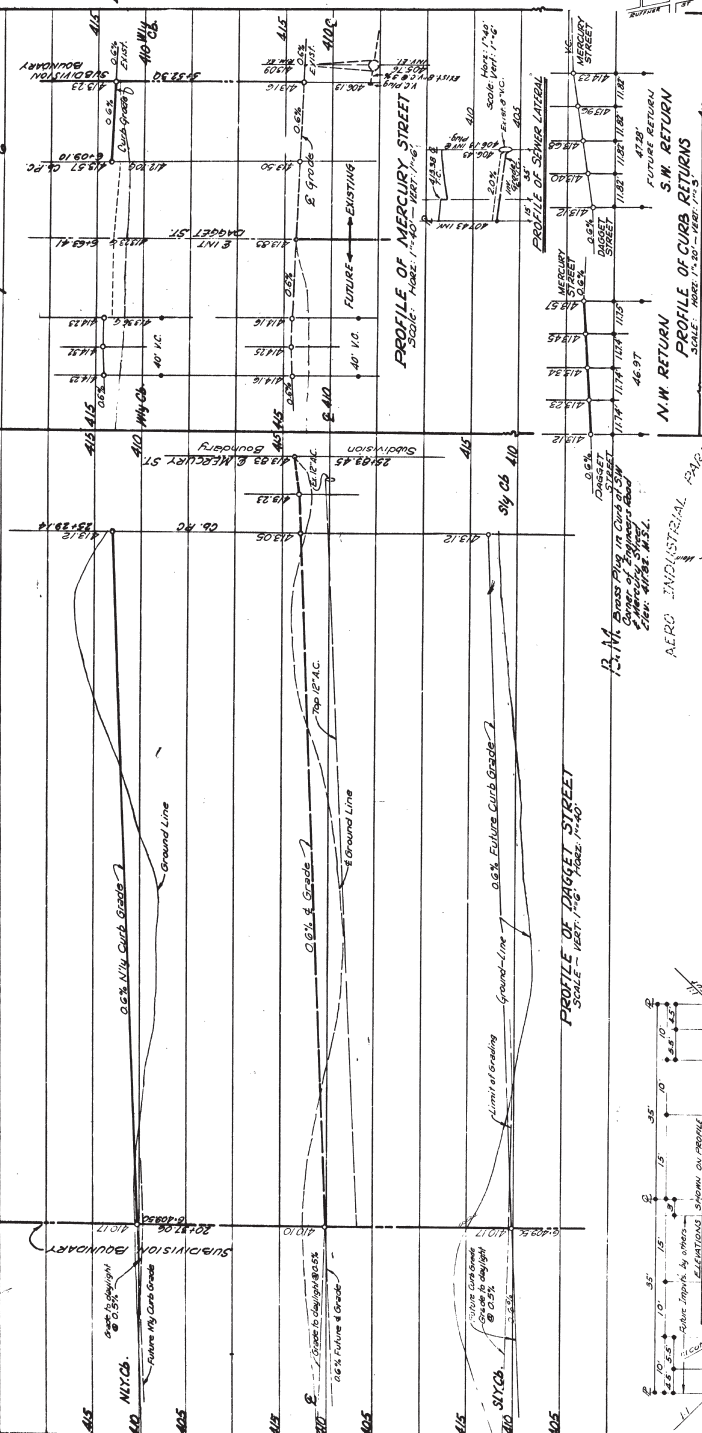
## REFERENCE ASBUILT DRAWINGS



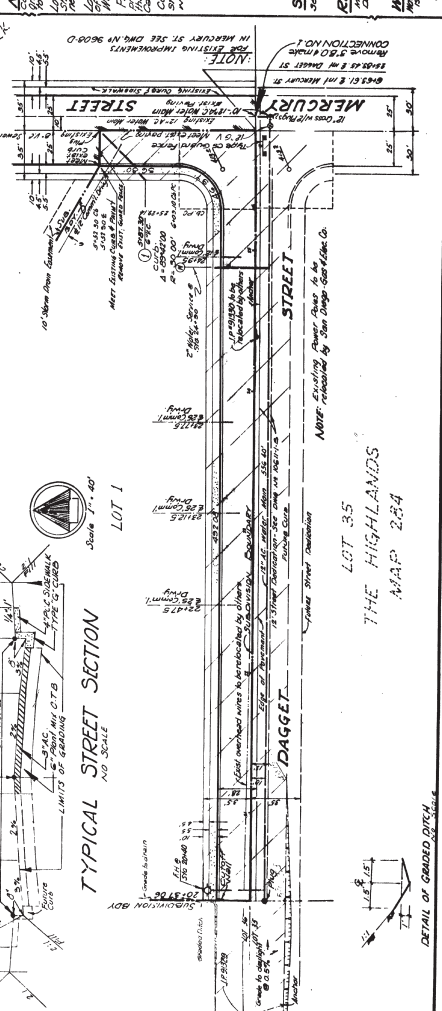


**WORK TO BE DONE**  
The improvements consist of the following work to be done according to these plans and the specifications of the City of San Diego.

SYMBOL	STD. DWG.
	9-22-02
	G-9-35
	G-4-93, G-53-57
	7-5-36
	9-27-55
	7-5-36
	9-22-02
	W-6-60
	W-1-23, W-10-55, W-6-60
	W-1-23, W-10-55, W-6-60
	W-5-63
	G-2-35
	D-1-36



**NOTES:**  
1. All work shall conform to the specifications of the City of San Diego.  
2. All work shall be done according to the plans and specifications.  
3. All work shall be done according to the plans and specifications.  
4. All work shall be done according to the plans and specifications.  
5. All work shall be done according to the plans and specifications.



Scale 1"=40'

NO SCALE

NO SCALE

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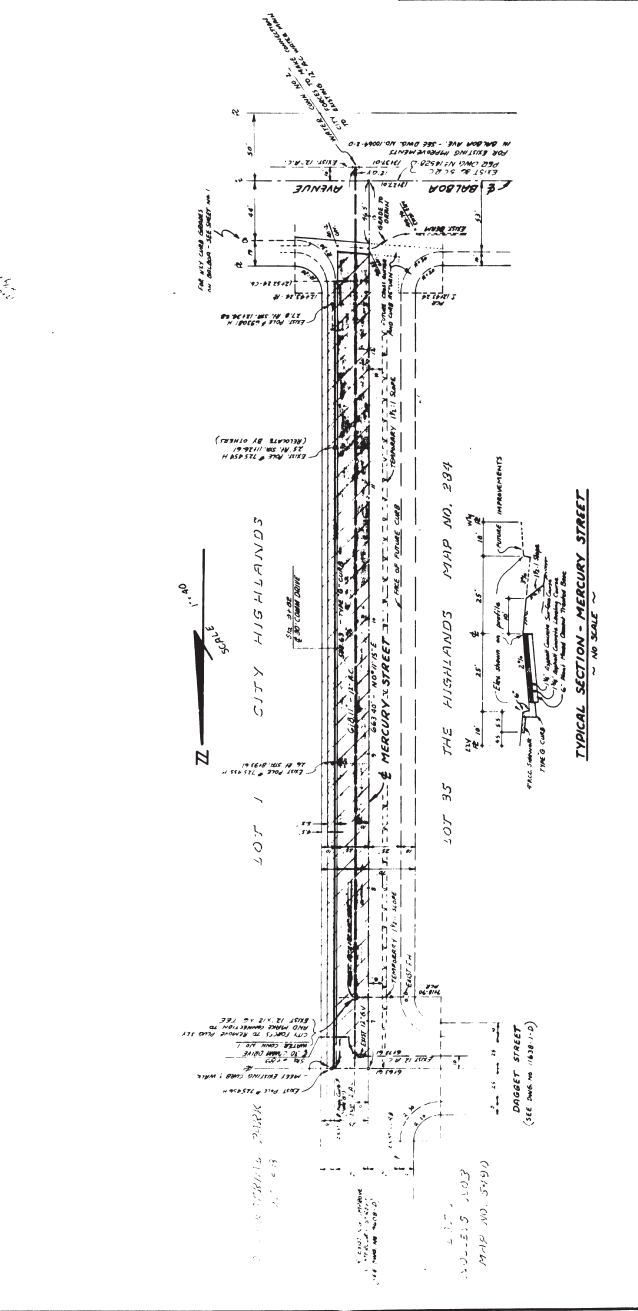
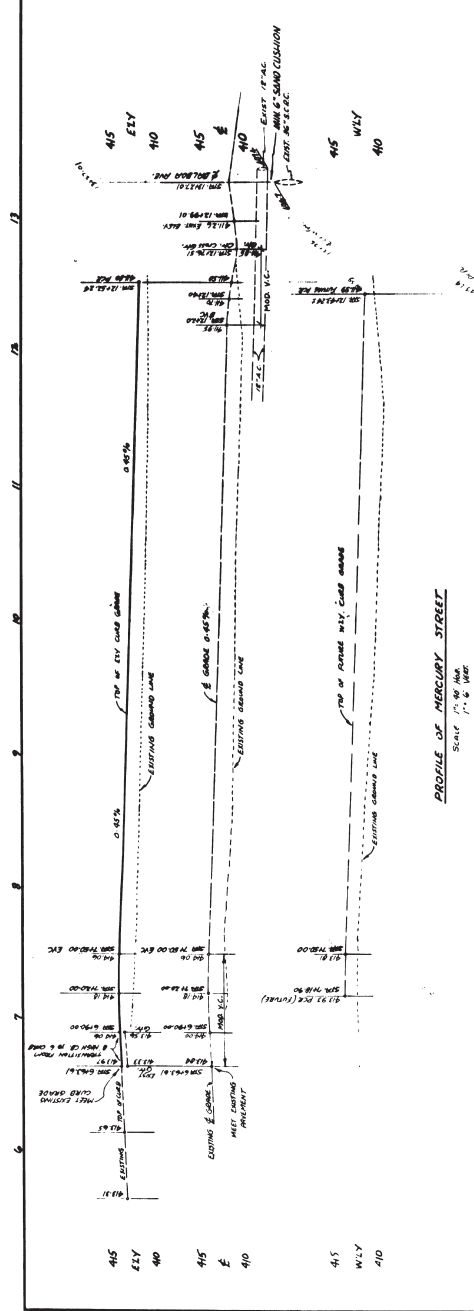
**LOCATION MAP**  
1"=1000'  
AUG 19 1920

**PRIVATE CONTRACT**  
ENGINEER OF WORK  
R.C.E. 9416

**PLANS FOR THE IMPROVEMENT OF**  
**DAGGET STREET & MERCURY STREET**  
**IN MOLLET'S KNOLL**

CITY OF SAN DIEGO	SHEET 1 of 1 SHEETS
ENGINEERING DEPARTMENT	NO. 76305
DATE: JULY 1, 1920	BY: R.C.E.
AS BUILT	BY: R.C.E.
REVISIONS:	
NO. 1	AS BUILT
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
NO. 11	
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NO. 96	
NO. 97	
NO. 98	
NO. 99	
NO. 100	

**AS BUILT**



**PLANS FOR THE IMPROVEMENT OF MERCURY STREET IN CITY HIGHLANDS**

DESIGNED BY: *Benell Mack*  
 CIVIL ENGINEER & SURVEYOR  
 1015 W. 4TH ST.  
 DENVER, CO. 80202

PROJECT NO. 77035

DATE: 11/1/64

SCALE: 1" = 40' HORIZ.  
1" = 6' VERT.

PROJECT NO. 77035

DATE: 11/1/64

SCALE: 1" = 40' HORIZ.  
1" = 6' VERT.

**AS BUILT**







**WORK TO BE DONE SCHEDULE IMPROVEMENTS STANDARD DRAWINGS LEGEND**

CURBMAN VAL. 2-25-59  
 SEWER MAIN 2-25-59  
 EXISTING WORK 2-25-59  
 CONSTRUCTION 2-25-59  
 CONSTRUCTION 2-25-59  
 CONSTRUCTION 2-25-59

**STANDARD SPECIFICATIONS & DRAWINGS**

The improvements shown on this drawing shall be in accordance with the Standard Specifications for the City of San Diego, 1958 Edition, and the Standard Specifications for the City of San Diego, 1958 Edition, and the Standard Specifications for the City of San Diego, 1958 Edition.

**PROPERTY RECORDS**

NONE

**REFERENCE DRAWINGS**

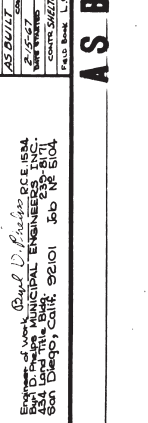
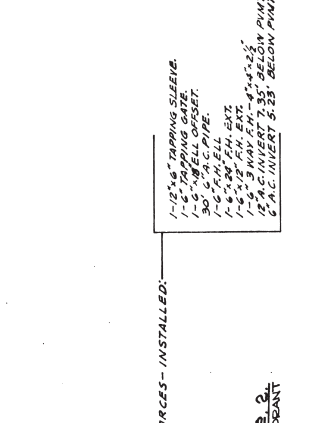
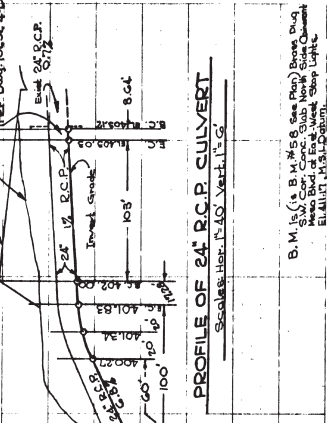
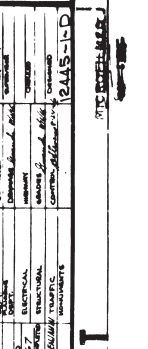
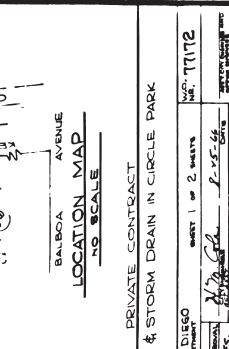
SEWER, P. 2, Dwg. 1058E-4-D

**SITE DEVELOPMENT**

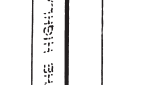
Per. Dwg. 12445-2-D (SHEET 2)

**SPECIAL NOTE**

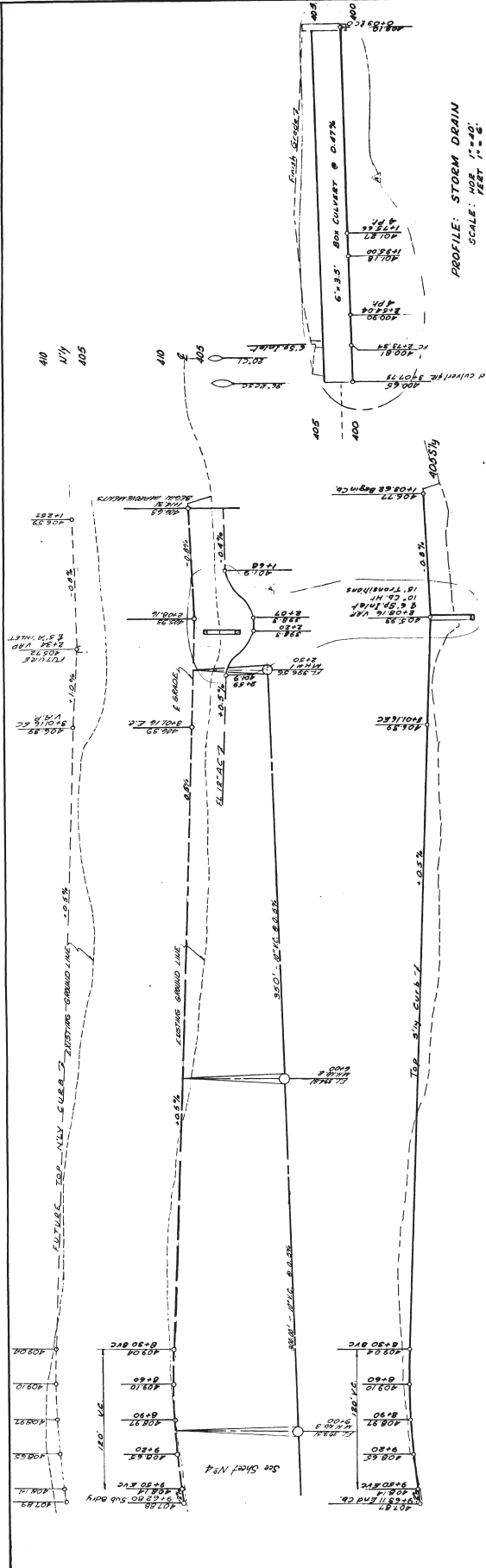
Conditions of soil under existing structures on these plans will be as shown on the site plan. The Cost of construction about one follows.



Engineer of Work  
 David D. Phillips  
 License No. 654  
 State of California  
 254 1/2 North Broadway  
 San Diego, Calif. 92101 Job No. 5104

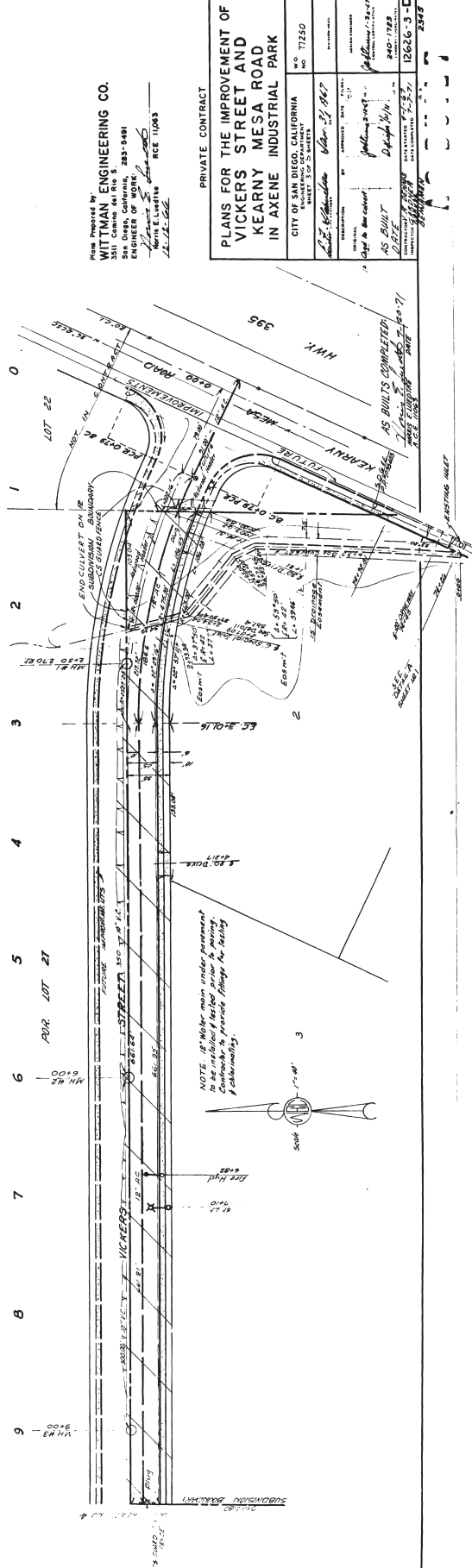


City of San Diego  
 Department of Public Works  
 Engineering Division  
 12445-2-D (SHEET 2)



**PROFILE: VICKERS STREET**  
SCALE: HOR. 1" = 40'  
VERT. 1" = 6'

**PROFILE: STORM DRAIN**  
SCALE: HOR. 1" = 40'  
VERT. 1" = 6'



Prepared by  
**ENGINEERING CO.**  
3511 Camino del Rio S.  
San Diego, California, 92108-4981  
ENGINEER OF WORK:  
MORIS E. LAMAR  
DATE: 11-27-66  
RCE 11003

PRIVATE CONTRACT

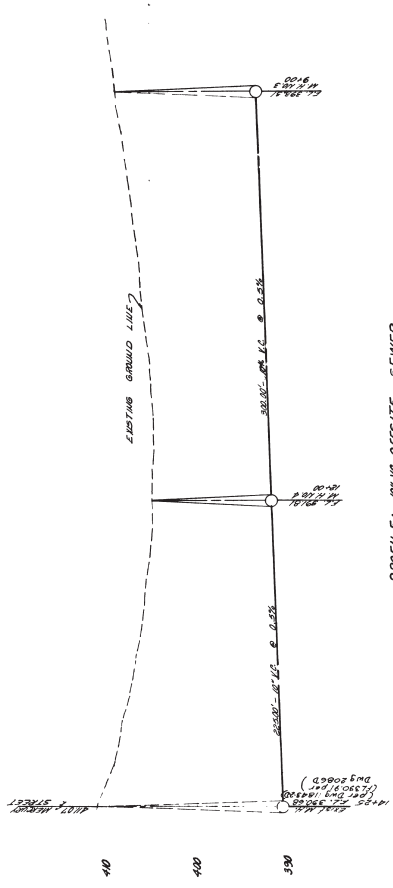
**PLANS FOR THE IMPROVEMENT OF VICKERS STREET AND KEARNEY MESA ROAD IN AXENE INDUSTRIAL PARK**

CITY OF SAN DIEGO, CALIFORNIA	NO. 71250
ENGINEERING DEPARTMENT	
DESIGNED BY: <i>Morris E. Lamar</i>	DATE: 11-27-66
CHECKED BY: <i>J. J. [unclear]</i>	DATE: 12-1-66
AS BUILT BY: <i>D. [unclear]</i>	DATE: 1-12-68
CONTRACT NO. 71250	182663-D

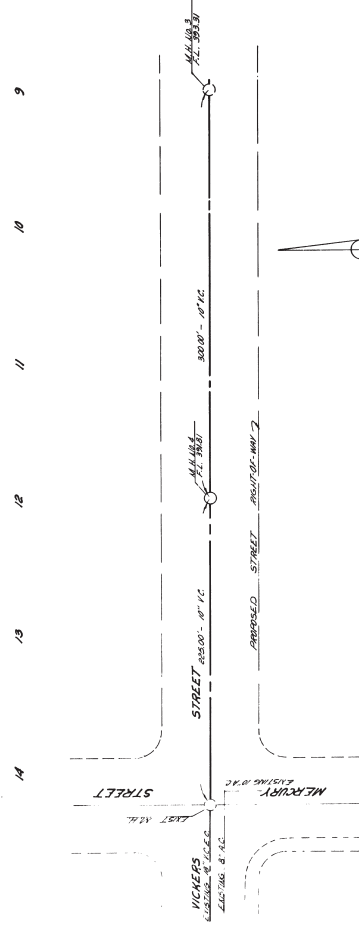
NOTE: All work shown under pavement contracts to be done under pavement. Contractor to provide all necessary labor, materials & equipment.

1"=50'

1"=40'



PROFILE: 18" I.C. OFFSITE SEWER  
SCALE: HORIZ. 1"=40'  
VERT. 1"=4'

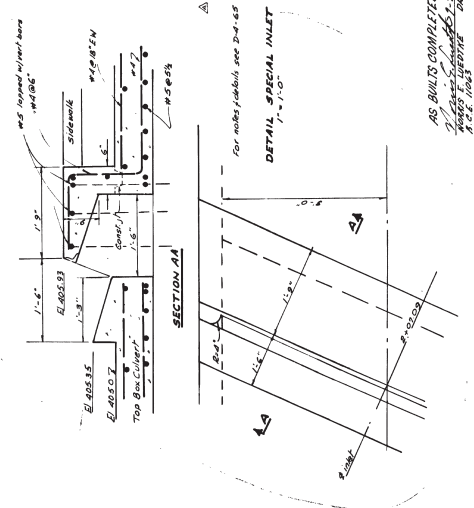


SCALE: 1"=40'

BEILICH MARK:  
SMBP RICHMOND ST. / HEARBY  
MESH 100  
22. 40755 4634

Plans Prepared by  
**WITTMAN ENGINEERING CO.**  
3100 North San Diego Avenue  
San Diego, California, 92108-5498  
ENGINEER OF WORK  
*Walter E. Wittman*  
Walter E. Wittman  
RCE 11063

PRIVATE CONTRACT	
PLANS FOR THE IMPROVEMENT OF OFFSITE SEWER IN AXENE INDUSTRIAL PARK	
CITY OF SAN DIEGO, CALIFORNIA	
ENGINEERING DEPARTMENT	
PROJECT NO. 12626-4-D	
DATE	12/12/02
BY	Walter E. Wittman
CHECKED BY	Walter E. Wittman
APPROVED BY	Walter E. Wittman
DATE	12/12/02
PROJECT NO.	12626-4-D
DATE	12/12/02
BY	Walter E. Wittman
CHECKED BY	Walter E. Wittman
APPROVED BY	Walter E. Wittman
DATE	12/12/02



AS BUILT COMPLETED  
12/12/02  
WALTER E. WITTMAN  
RCE 11063

**ACCOUNT**

7-500  
1-50  
7-500  
1-50

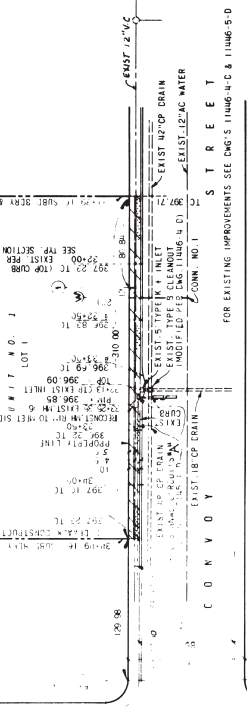
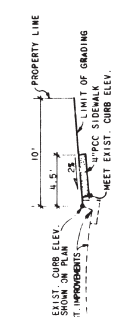
WORK TO BE DONE  
THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE FOLLOWING STANDARD DRAINAGE AND SPECIFICATIONS OF THE CITY OF SAN DIEGO:

SPECIFICATIONS  
PART I FILED APRIL 9, 1966 INCLUDING CHECKS TO PART I FILED APRIL 8, 1960 AND NOVEMBER 29, 1965. PART II FILED APRIL 5, 1967. PART III FILED DECEMBER 11, 1967. PART IV FILED APRIL 5, 1967. PART V FILED APRIL 5, 1967. PART VI FILED DECEMBER 11, 1967. PART VII FILED DECEMBER 11, 1967. PART VIII FILED DECEMBER 11, 1967. PART IX FILED DECEMBER 11, 1967. PART X FILED DECEMBER 11, 1967. PART XI FILED DECEMBER 11, 1967. PART XII FILED DECEMBER 11, 1967. PART XIII FILED DECEMBER 11, 1967. PART XIV FILED DECEMBER 11, 1967. PART XV FILED DECEMBER 11, 1967. PART XVI FILED DECEMBER 11, 1967. PART XVII FILED DECEMBER 11, 1967. PART XVIII FILED DECEMBER 11, 1967. PART XIX FILED DECEMBER 11, 1967. PART XX FILED DECEMBER 11, 1967.

IMPROVEMENTS	STD DWGS	SYMBOL
GRADING	6-4-65	////
SIDEWALK	6-4-65	
COPPER WATER SERVICE 12" I.P.	8-26-56 & 59-66	---
4" C.P. SEWER LATERAL	5-27-62, 5-27-60	---
COMMERCIAL DRIVEWAY	6-24-55; 6-40-65	---
STREET TREES	--- (AS REQUIRED BY PARK DEPARTMENT)	---
RECONSTRUCT MANHOLE RIM	--- (AS REQUIRED BY PARK DEPARTMENT)	---
LEGEND EXISTING WORK	---	P 1-56

REFERENCE DRAWINGS  
11146-4-C; 11146-5-C; CONVOY STREET  
12817-2-D GRADING PLAN  
LAND DEVELOPMENT  
12817-2-D GRADING PLAN  
PROPERTY ACQUISITION  
NONE  
BENCH MARK  
MOUNTAIN VIEW AT HERRING STREET (WESTERLY)  
1200 FT. ELEVATION AT STA. 116+50  
ELEV. 394.520 MSL.

COST FOR WATER MAIN CONNECTION ON THESE PLANS ARE AS FOLLOWS: CONNECTION NO. 1 \$2,250.00



TRAFFIC SIGNAL CIRCUIT NOTES:  
1. THE CONTROL SIGNAL FOR THE IMPROVEMENTS.  
2. THE CONTROL SIGNAL FOR PUBLIC WORKS FRAME NO. 236 IS TO BE INSTALLED IN THE FRAME 10 DAYS PRIOR TO THE COMMENCEMENT OF THE WORK.  
3. THE CONTROL SIGNAL FOR EXISTING TRAFFIC SIGNAL SYSTEMS IN THE WORK AREA.

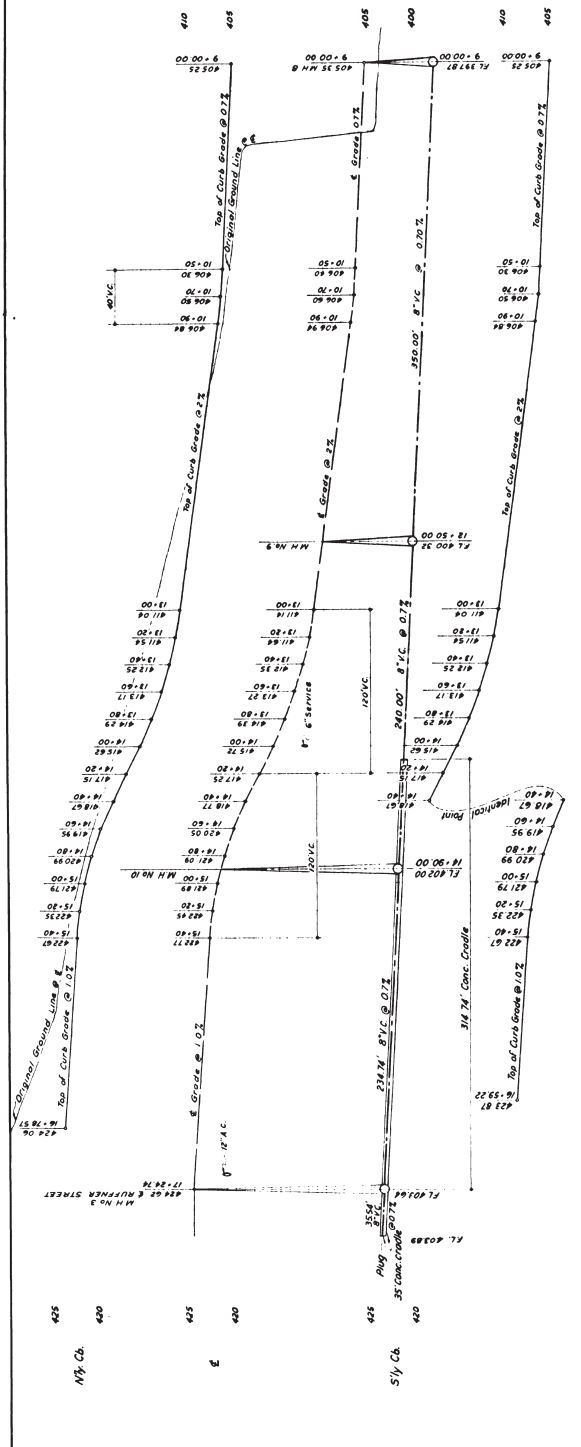
**PRIVATE CONTRACT**  
**ENGINEER OF DESIGN**  
CHRISTOPHER D. EVINSON & ASSOCIATES  
2015 K STREET, SUITE 202  
SAN DIEGO, CALIFORNIA 92101  
PHONE: 619-594-0000  
FAX: 619-594-0001  
WWW.EVINSON.COM

PLANS FOR THE IMPROVEMENTS OF  
**CONVOY STREET IN AND ADJOINING  
WHEELER INDUSTRIAL PARK (PART 1)**  
CITY OF SAN DIEGO, CALIFORNIA  
SHEET NO. 77371

DATE: 12/11/11  
BY: [Signature]  
CHECKED BY: [Signature]  
APPROVED BY: [Signature]

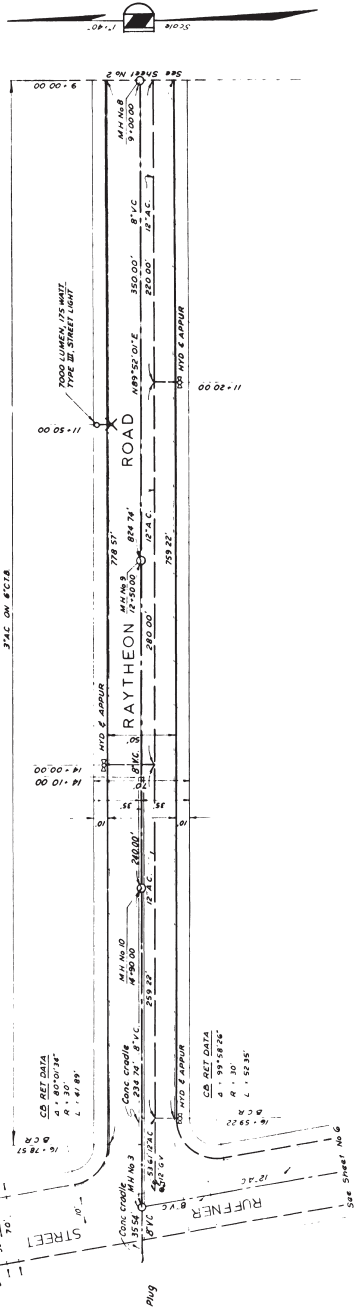
PROJECT NO.: 12817-1-D  
SHEET NO.: 77371

**AS BUILT**



PROFILE RAYTHEON ROAD  
 Scale: 1" = 40' Horiz

DESIGN MARK  
 Shows Ring at SE corner, Center, Street and License Mark  
 Elev. 405.71, H.S.L. Datum



PRIVATE CONTRACT

PLANS FOR THE IMPROVEMENT OF  
 RAYTHEON ROAD  
 McGRATH - HIGHLANDS INDUSTRIAL CENTER  
 CITY OF SAN DIEGO, CALIFORNIA  
 PROJECT NO. 77378

DATE: 11/1/67

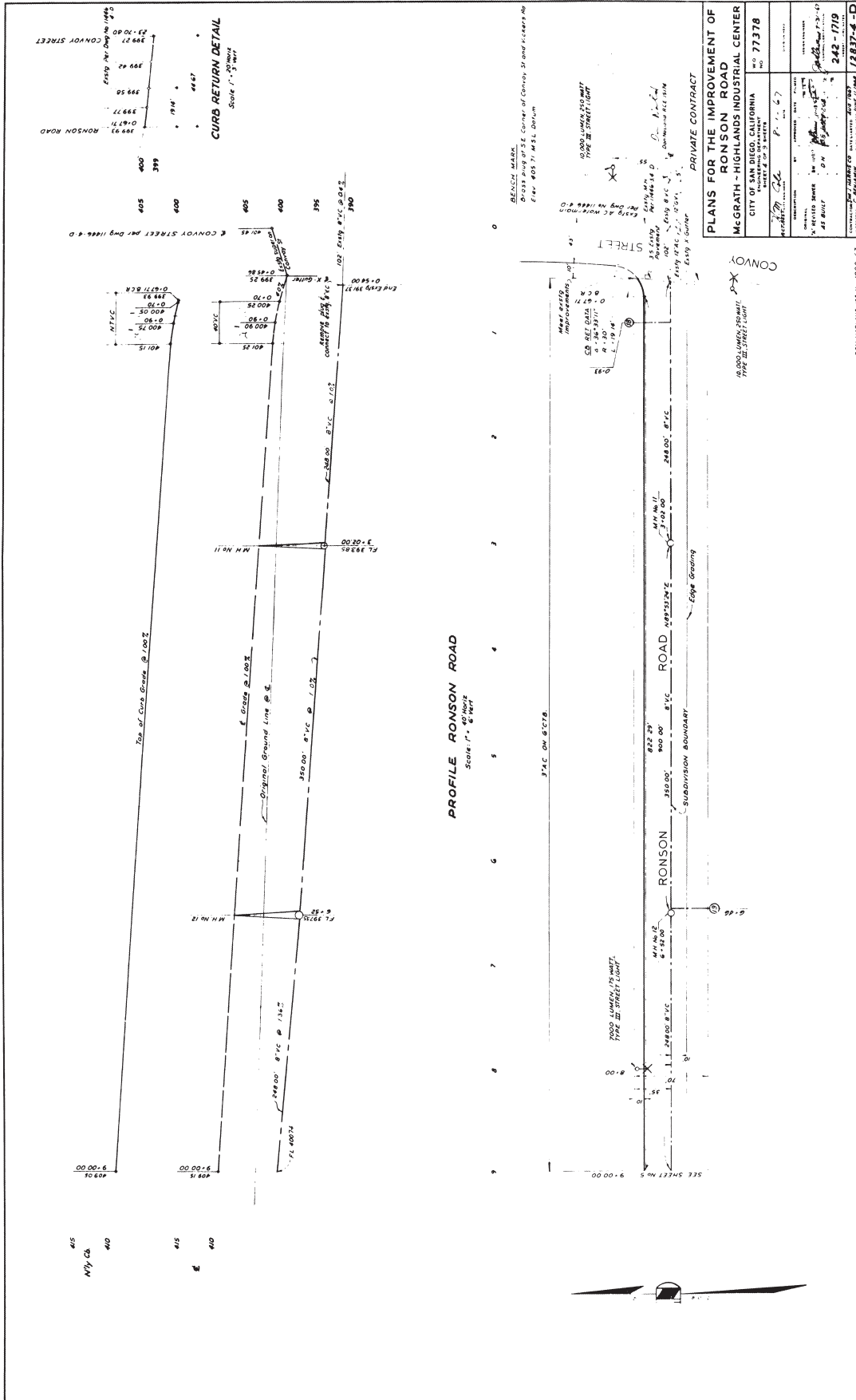
AS BUILT

CONTRACT NO. 77378-03 DATE: 11/1/67  
 128378-3-D

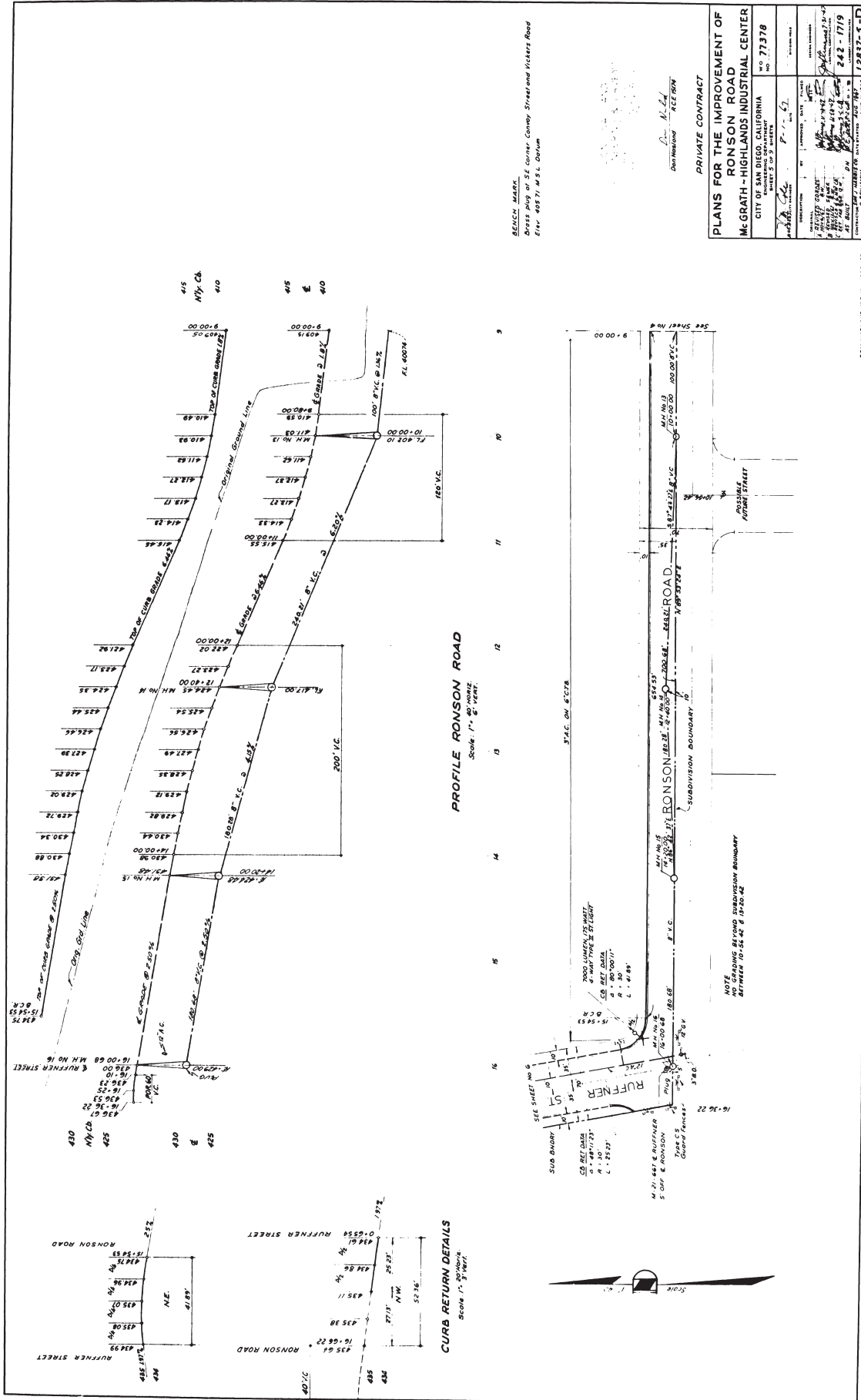
85N HIGHLAND JOB NO. 1030-67

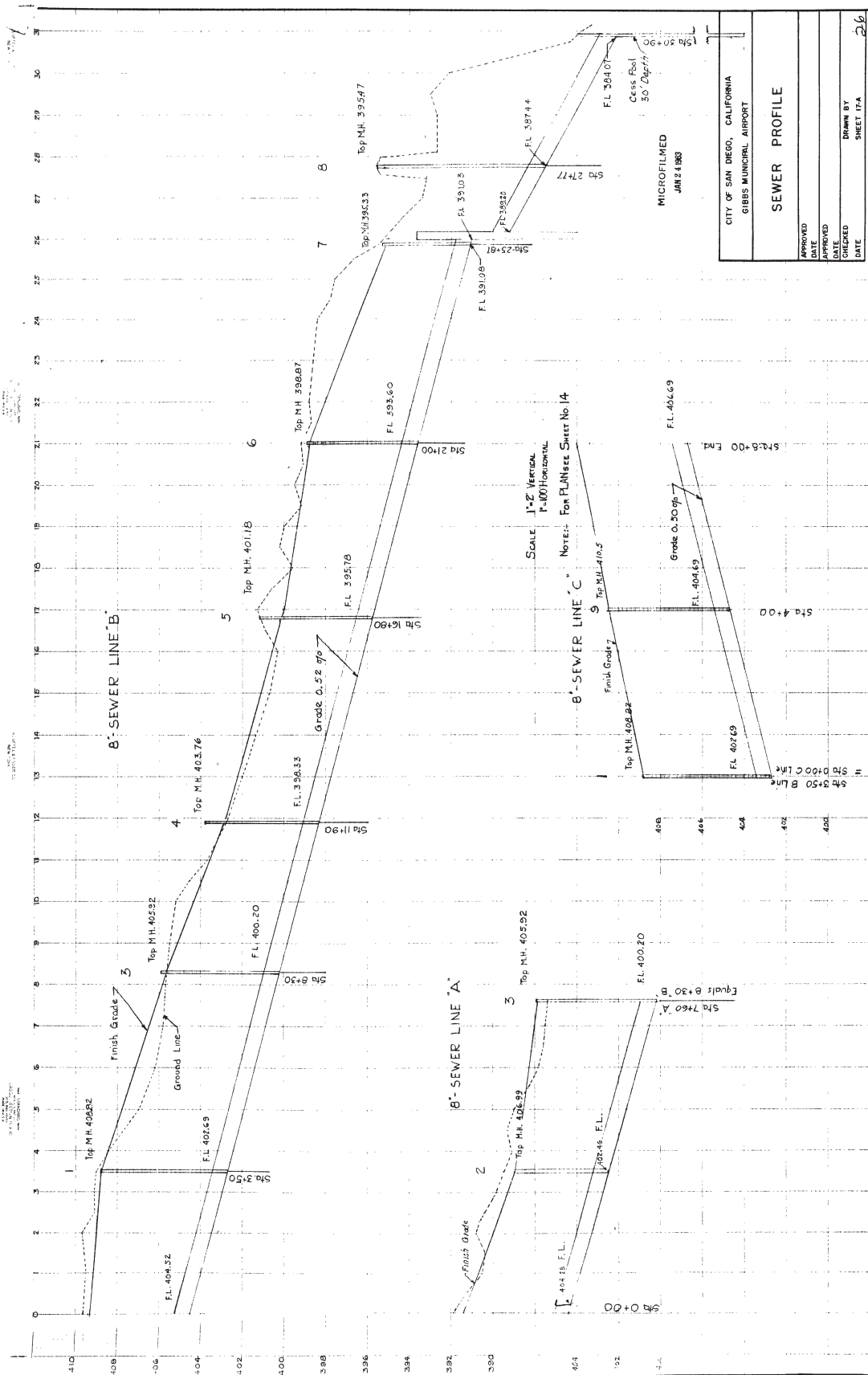
AS BUILT





**AS BUILT**



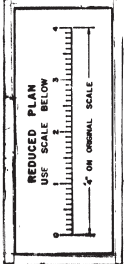


APPROVED	DATE
APPROVED	DATE
CHECKED	DATE
DRAWN BY	17849-4
SHEET 17.A	26

CITY OF SAN DIEGO, CALIFORNIA  
GIBBS MUNICIPAL AIRPORT

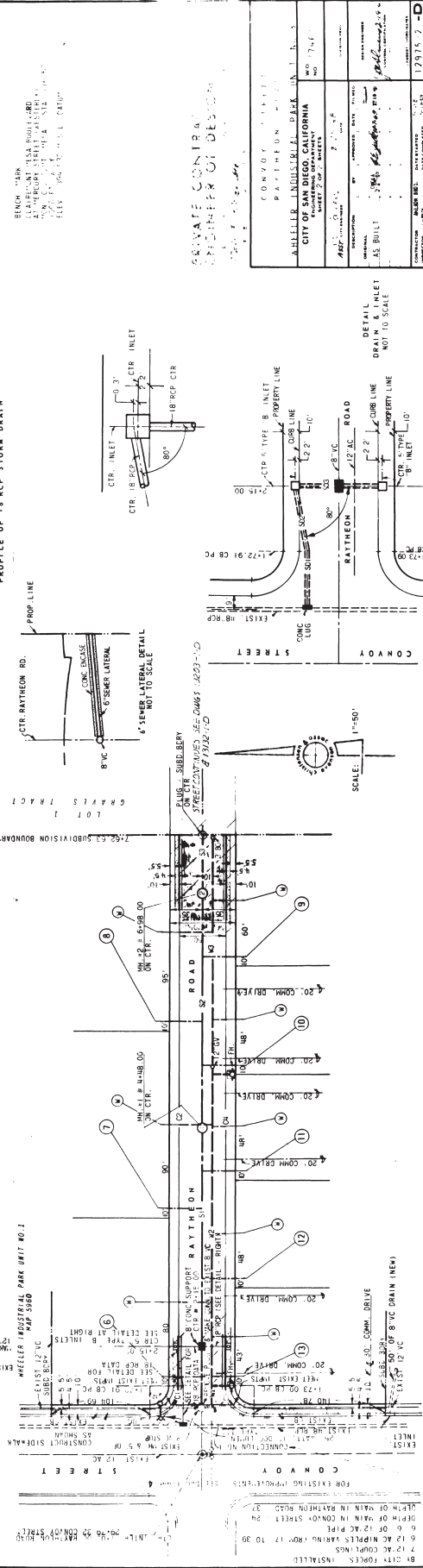
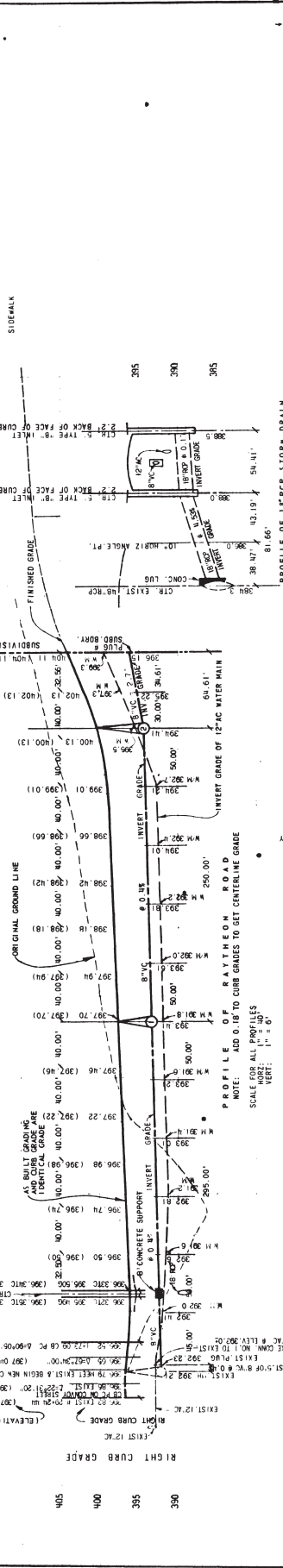
SEWER PROFILE

MICROFILMED  
JAN 2 1983





COURSE	ITEM	RADIUS	DECTA OR BEARING	LENGTH	TOTAL LENGTH OR AREA
C1	6" TYPE 'S' CURB	30'	45°02'40"	23.59'	
C2			M89°53'09"E	589.65'	
C3			M45°57'20"	22.54'	
C4	6" TYPE 'C' CURB	30'	M89°53'09"E	589.54'	1226.32' TYPE 'G' C1
N1	12" AC	20.09'	M89°53'09"E	20.09'	
N2	12" AC	3.05.19'	M89°53'09"E	3.05.19'	
N3	12" AC	254.33'	M89°53'09"E	254.33'	536.52' 12" AC
S1	8" VC	295.00'	M89°53'09"E	295.00'	
S2	8" VC	250.00'	M89°53'09"E	250.00'	
S3	8" VC	64.61'	M89°53'09"E	64.61'	609.61' 8" VC
S01	18" RCP	38.47'	M89°47'48"E	38.47'	
S02	18" RCP	43.19'	M75°52'00"E	43.19'	
S03	18" RCP	54.41'	M 0°06'51"W	54.41'	136.07' 18" RCP

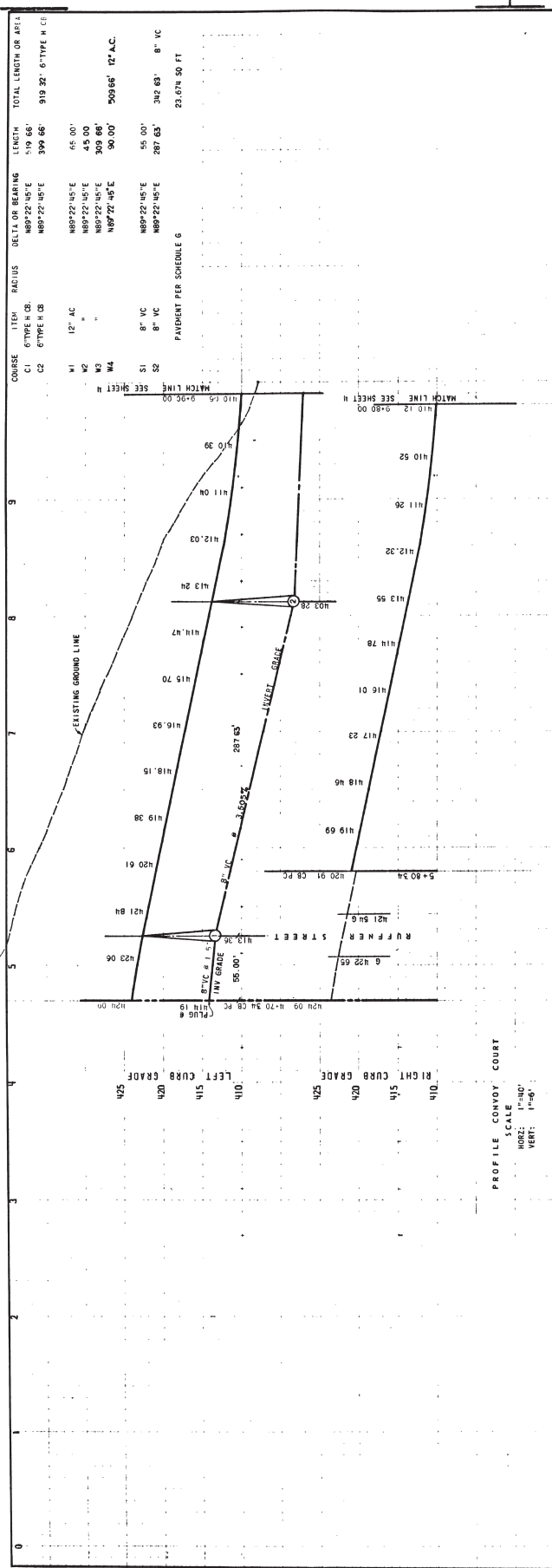


SEALATE CONTRACT ENGINEERS OF DESIGN  
 2201 W. 10th St., Suite 200  
 Anchorage, Alaska 99501  
 TEL: 907.561.1111 FAX: 907.561.1112  
 WWW.SEALATE.COM

CONTRACT NO.	DATE	DESCRIPTION
1975.7-D	1975.7-D	1975.7-D

AS BUILT

1"=50' 1"=50'

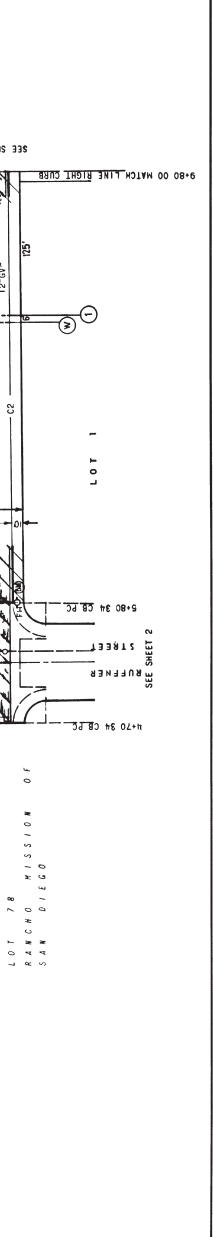
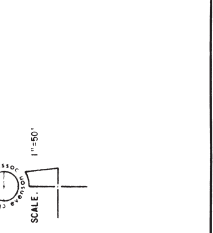


COURSE	ITEM	RADIUS	DELTA OR BEARING	LENGTH	TOTAL LENGTH OR AREA
C1	6" TYPE H CB		N89°22'45"E	519.66'	919.32' 6" TYPE H CB
C2	6" TYPE H CB		N89°22'45"E	399.66'	
W1	12" AC		N89°22'45"E	65.00'	505.66' 12" AC
W2	"		N89°22'45"E	4.50'	
W3	"		N89°22'45"E	309.66'	
W4	"		N89°22'45"E	90.00'	
S1	8" VC		N89°22'45"E	55.00'	25.674 50 FT
S2	8" VC		N89°22'45"E	289.65'	

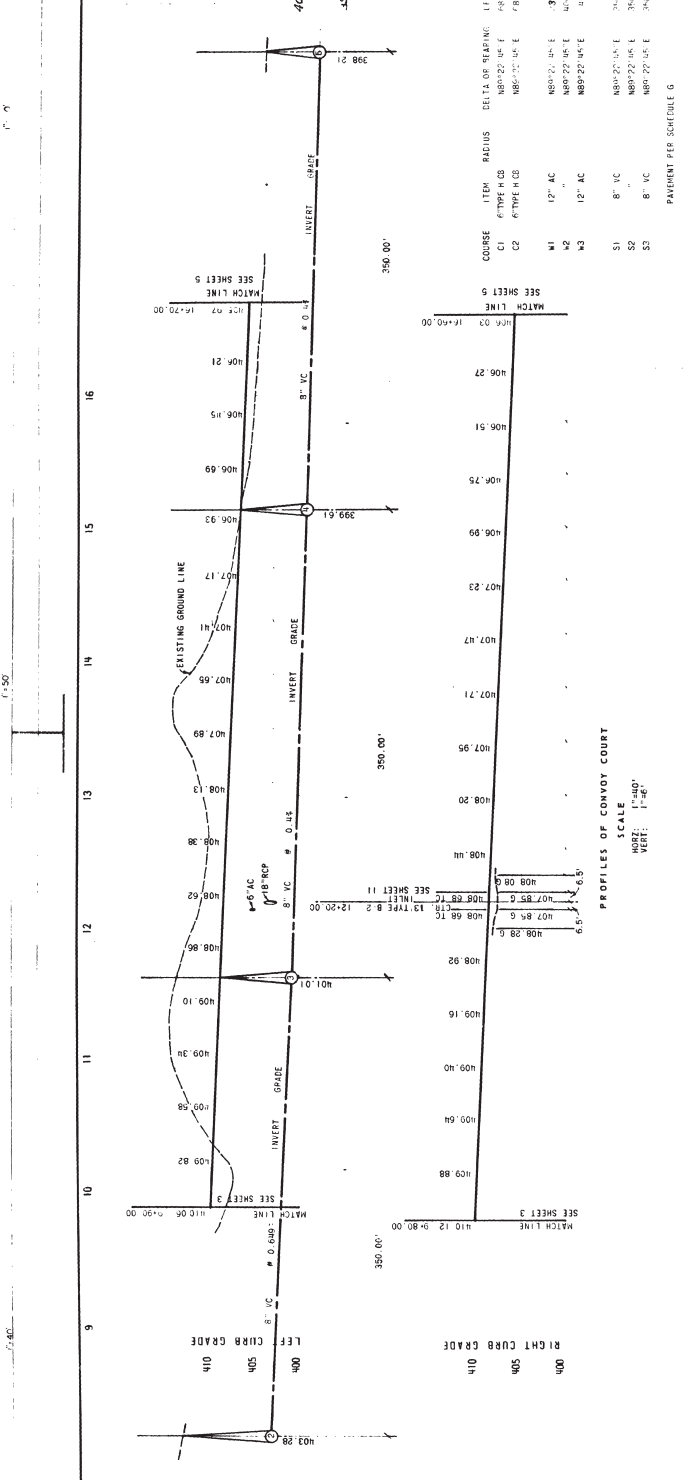
PAVEMENT PER SCHEDULE 6

BENCH MARK  
 CLARENCE WESS BOULEVARD  
 MONUMENT CLUT H 154 AT 00+00  
 ELEV 525.016 M.S.L. DATUM

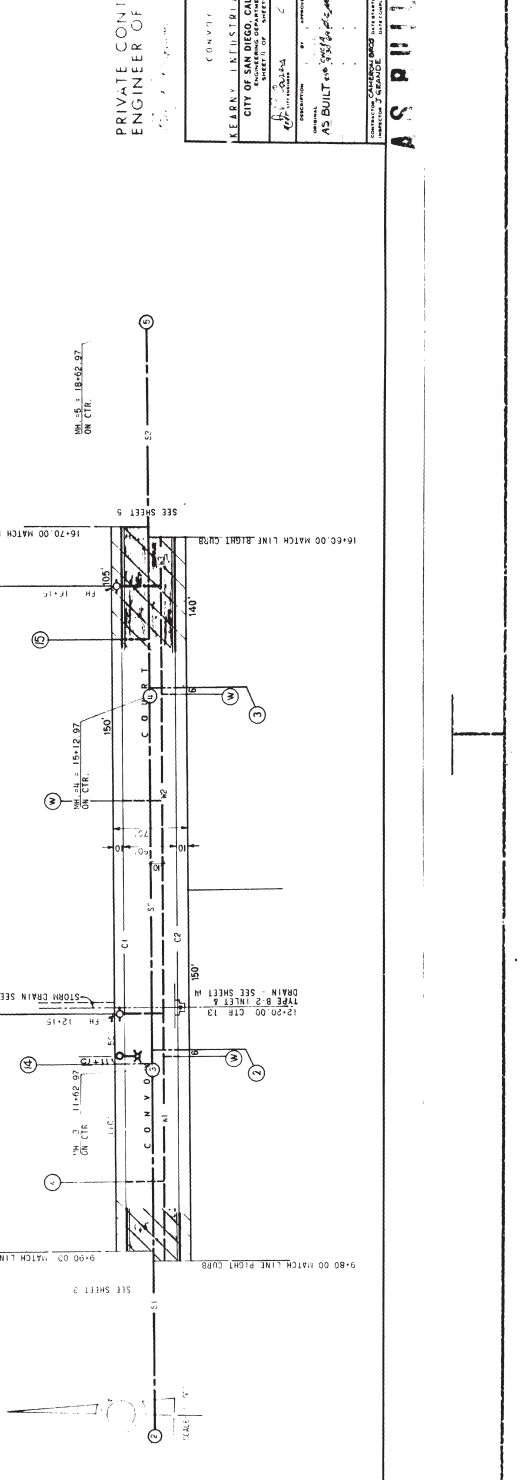
CONVOY COURT	
KEARNEY INDUSTRIAL PARK UNIT 781/16	
CITY OF SAN DIEGO, CALIFORNIA	
MAP NO. 71406	
SHEET 3 OF 3 SHEETS	
DATE: 02/23/2010	
AS BUILT	
DRAWN BY: [Signature]	
CHECKED BY: [Signature]	
DATE: 02/23/2010	
PROJECT NO. 17993-3-D	
A.721	



**AS BUILT**

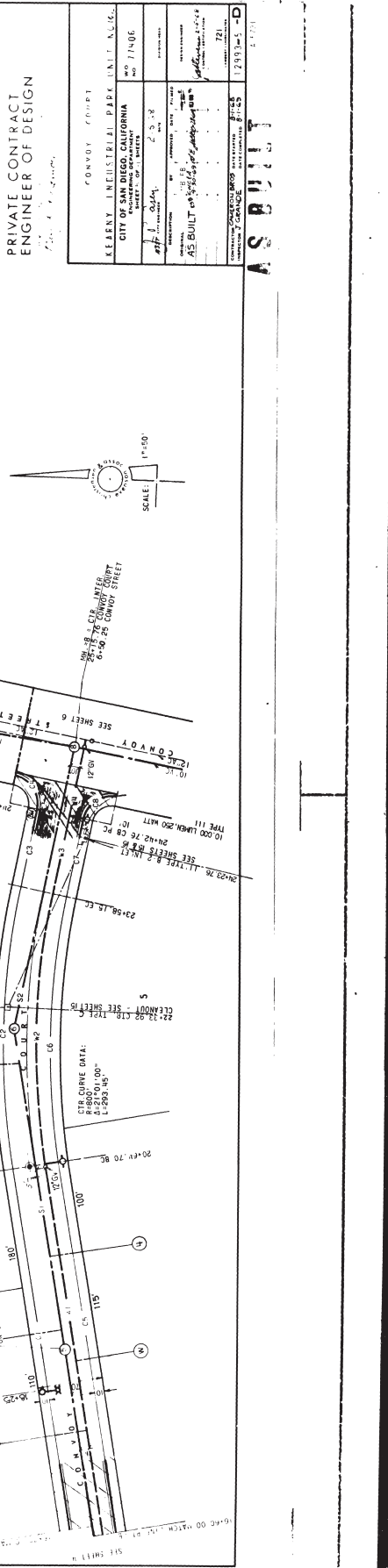
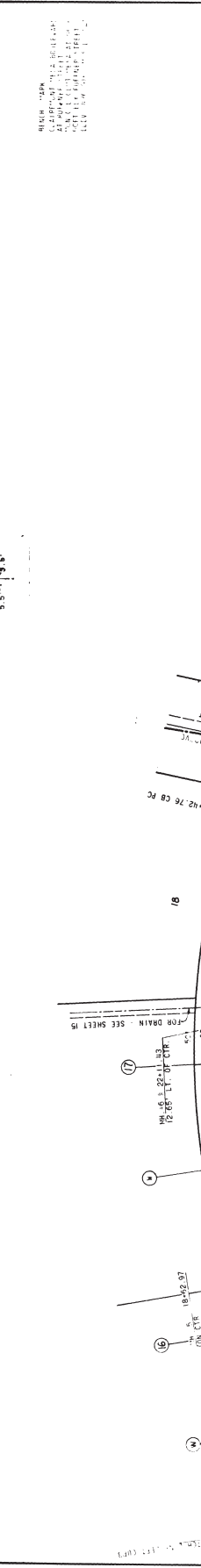
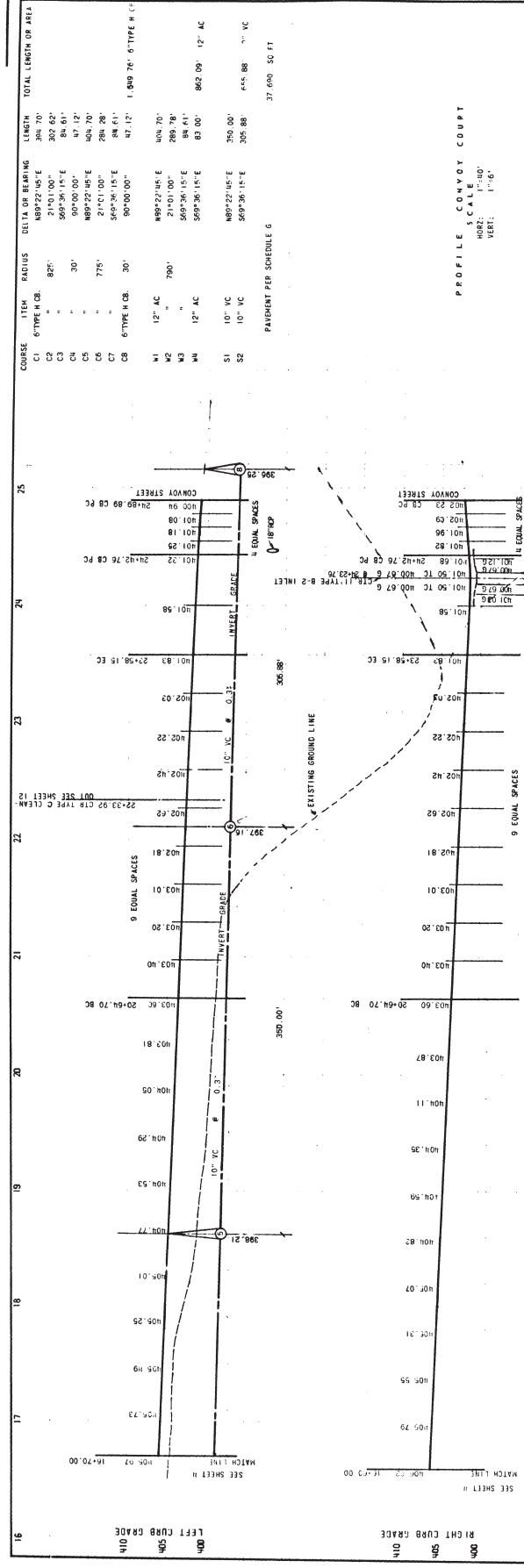


PROFILES OF CONVOY COURT  
 SCALE  
 HORIZ. 1"=40'  
 VERT. 1"=6'  
 1:50



COUNTY COURSE  
 LEARNY INDUSTRIAL PIPE, SAN J. MILL  
 CITY OF SAN DIEGO, CALIFORNIA  
 PROJECT NO. 171006  
 SHEET NO. 1-5-2  
 CONTRACT NO. 171006-1  
 AS BUILT FOR 171006-1-1  
 DATE: 1/15/2014

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

**SPECIFICATIONS**

STANDARD SPECIFICATIONS FOR PUBLIC UTILITIES, 1987, INCLUDING AMENDMENT TO PART 1, SECTION 1, FILED JULY 19, 1987, PART 2, SECTION 1, FILED DECEMBER 8, 1987, INCLUDING AMENDMENT TO PART 1, SECTION 1, FILED DECEMBER 8, 1987, AND PART 1, SECTION 1, FILED DECEMBER 8, 1987, AND PART 1, SECTION 1, FILED DECEMBER 8, 1987, AND PART 1, SECTION 1, FILED DECEMBER 8, 1987. SPECIAL CONDITIONS P-18 REVISED, OCTOBER 25, 1987, HERETO ATTACHED.

IMPROVEMENTS	STD DWGS	SYMBOL
GRADING	G-4-66; G-43-04	———
SIDEWALK	S-1-59	▤▤▤▤▤
W/CP SEWER MAIN	5-8-63; N-25-57	———
LEGEND EXISTING WORK	P-1-56	———
COMMERCIAL DRIVEWAY	G-24-55; G-10-46	———
C-TYPE H CURB	G-44-67	———
PAVING - SCHEDULE G	G-30-56	———

**REFERENCE DRAWINGS**  
12817-2-D FINISHED GRADING  
12817-1-D IMPROVEMENT PLAN  
**NOTE REQUIRED - Prior to Work by Unit No. 1 (ENG. NO. 12817-2-D)**

**PROPERTY ACQUISITION**  
NONE

**BENCH MARK**  
CLAIREMONT MESA BOULEVARD AT HERODDY STREET (WESTERLY)  
"WOODF" W/11 - ELEV. 394.532' M.S.L. DATUM

**BEFORE EXCAVATING, VERIFY LOCATION OF UNDERGROUND UTILITIES - CONTACT:**  
GAS & ELECTRIC CO. 232-4262 EXT. 7-343  
TELEPHONE CO. 238-0551  
WATER & SEWER 236-5600

**WATER SERVICE NOTE:**  
PASSENGER TO CITY CLERK'S DOC. NO. 697789 - ITEM 11-1.  
PERMITS FOR WATER SERVICE TO UNIT NO. 2 LOTS ARE DIFFERED UNTIL REQUIRED BY BUILDING PERMITS.

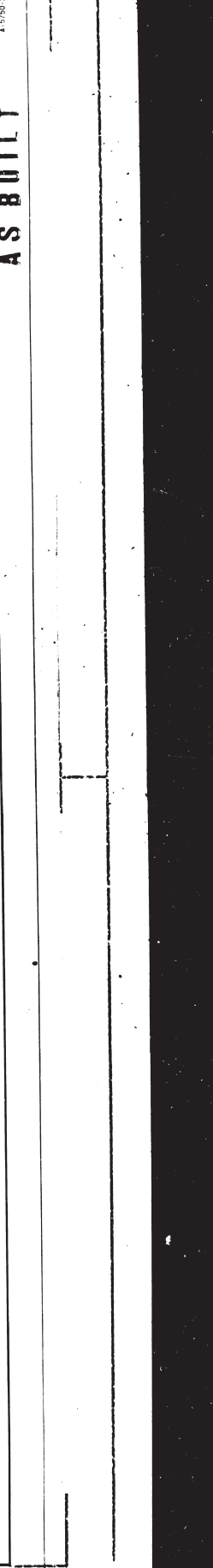
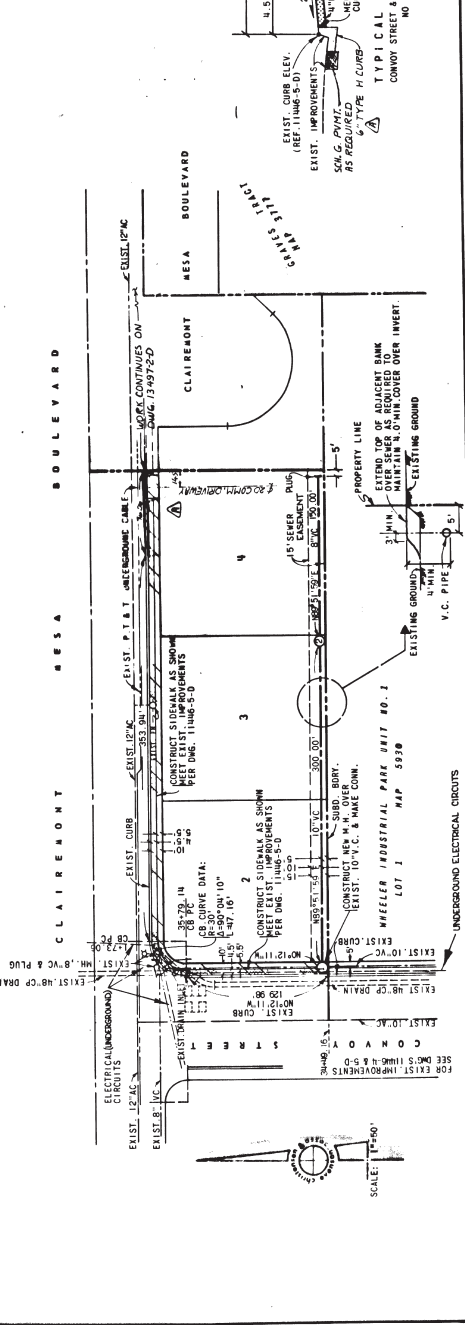
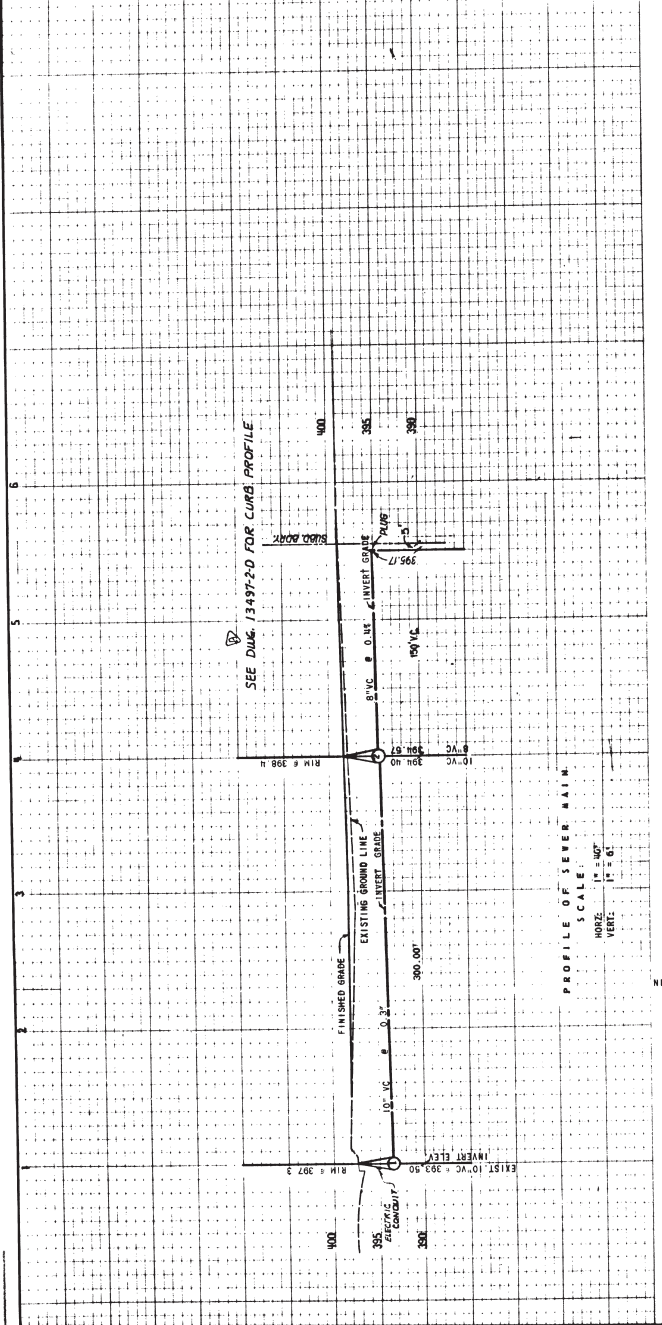
**THE CONTRACTOR SHALL NOTIFY THE SUPERVISOR OF ELECTRICAL DIVISION IN ORDER TO LOCATE AND PROTECT ALL ELECTRICAL SYSTEMS IN THE WORK AREA.**

**NO STREET LIGHTS REQUIRED**

**PRIVATE CONTRACT ENGINEER OF DESIGN**  
CHRISTENSEN, EVANSON & ASSOCIATES  
1500 K STREET, SUITE 400  
SAN DIEGO, CALIF. 92103

PLANS FOR THE IMPROVEMENTS OF

CONVOY STREET AND CLAIREMONT MESA BOULEVARD	
WHEELER INDUSTRIAL PARK UNIT NO. 2	
CITY OF SAN DIEGO, CALIFORNIA	
PROJECT NO. 77472	
DATE: 12/11/87	
BY: [Signature]	
CHECKED BY: [Signature]	
APPROVED BY: [Signature]	
DESIGNED BY: [Signature]	
DRAWN BY: [Signature]	
SCALE: AS BUILT	
DATE: 12/11/87	
12396-1-D	4-5750-2



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

**SPECIFICATIONS**  
 PART I FILED APRIL 9, 1988 INCLUDING AMENDMENTS TO PART I FILED APRIL 8, 1989 AND 1987 PART II FILED DECEMBER 14, 1986; PART III FILED FEBRUARY 16, 1986; PART IV FILED FEBRUARY 25, 1986; PART V FILED MARCH 14, 1986. SPECIAL CONDITIONS P-18 REVISED OCTOBER 25, 1987.

**IMPROVEMENTS STD DWGS**

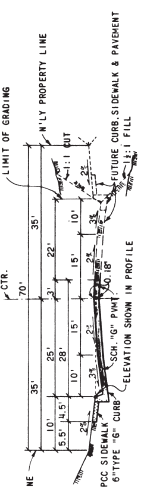
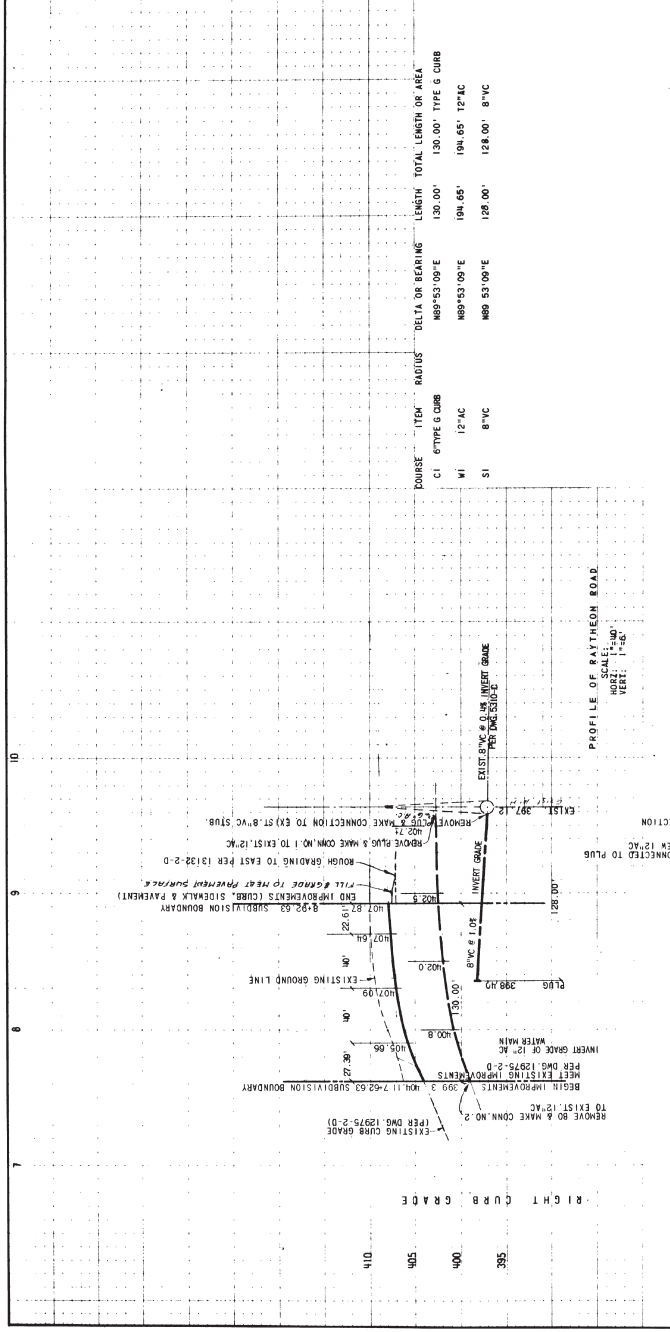
SYMBOL	STD DWGS
GRADING	G-55-67
PAVING	G-4-66; G-53-64
SIDEWALK	G-45-65
6" TYPE G CURB	M-6-59; M-61-60
AC WATER MAIN & APPURTENANCES	M-59-66; M-35-66
1"-1/2" COPPER WATER SERVICE	S-1-59
VCP SENER MAIN	S-22-62
6" VCP SENER LATERAL	S-27-67
STREET LIGHT SYSTEM	P-1-56
LEGEND EXISTING WORK	G-24-55; G-40-64
COMMERCIAL DRIVEWAY	

**REFERENCE DRAWINGS**  
 INDUSTRIAL PARK UNIT NO. 3  
 10997-2-0  
 GRAVES TRACT 12" AC PIPELINE IN BATHYON ROAD  
 5310-0  
 SENER - GRAVES TRACT  
**LAND DEVELOPMENT**  
 1732-2-0  
 GRADING PLAN

**PROPERTY ACQUISITION**  
 NONE

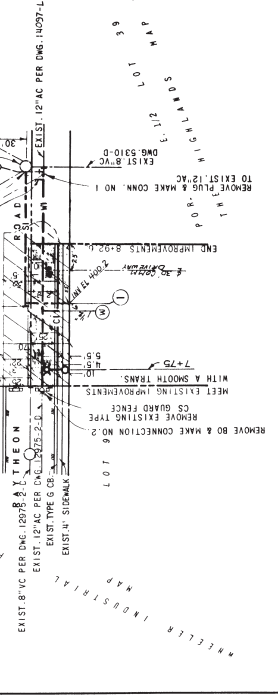
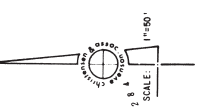
**BENCH MARK**  
 CLAREMONT MESA BOULEVARD AT MERCURY STREET (WESTERLY)  
 ELEV. 394.532 M.S.L. DATUM

**NOTES**  
 1. DRAWINGS IN THIS SET AND ALL OTHERS ASSOCIATED HEREBY FOR PROJECT NO. OF THE DIVISION OF HIGHWAY TEST METHOD NO. CALIF. 217.  
 2. COST FOR WATER MAIN CONNECTIONS ON THESE PLANS ARE AS FOLLOWS:  
 CONNECTION NO. 1 \$5602.00  
 CONNECTION NO. 2 \$4602.00



**TYPICAL SECTION**  
 RAYTHEON ROAD  
 NOT TO SCALE  
 A.D.T. COUNT - LOCAL INDUSTRIAL

STREET LIGHT SHOWN THUS **OK**  
 1-10000 LUMEN, ITS WATT TYPE III



**PRIVATE CONTRACT**  
 ENGINEER OF DESIGN  
 CARLSTENSON, EVENSON & ASSOCIATES  
 811 K EMBURY, R.E.E. 8102

**PLANS FOR THE IMPROVEMENT OF**  
 RAYTHEON ROAD  
 TAYLOR & SIDAN INDUSTRIAL PARK UNIT NO. 1  
 CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING DEPARTMENT  
 NO. 78801

DATE: 4-11-88  
 BY: [Signature]  
 CHECKED: [Signature]  
 APPROVED: [Signature]

PROJECT NO. 1732-2-0  
 SHEET NO. 1732-2-0-1

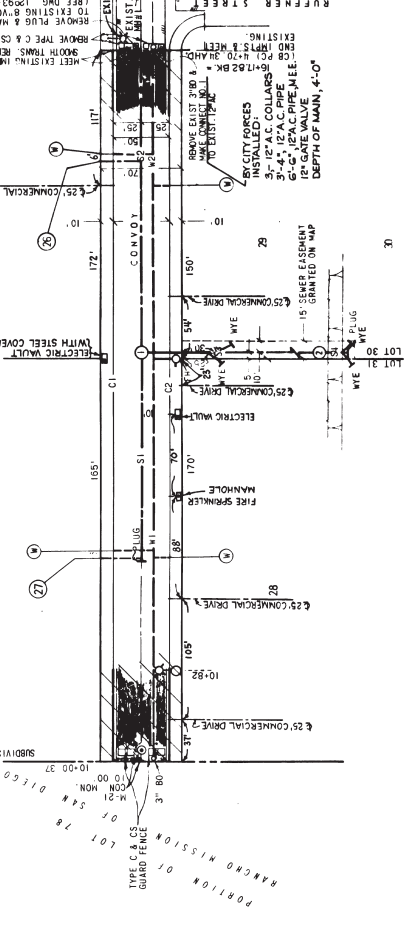
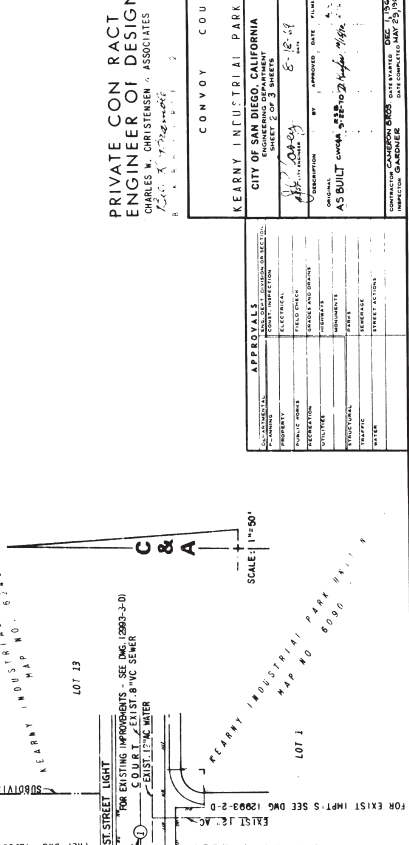
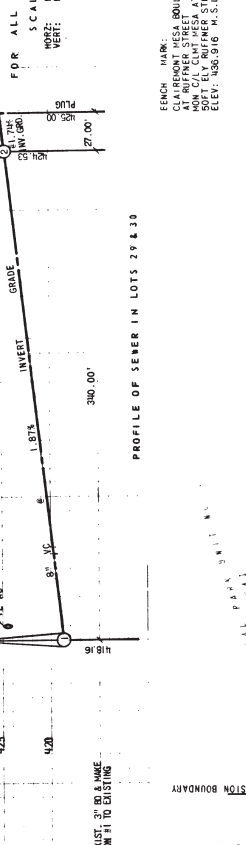
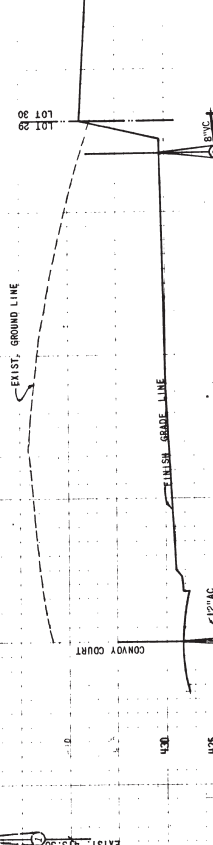
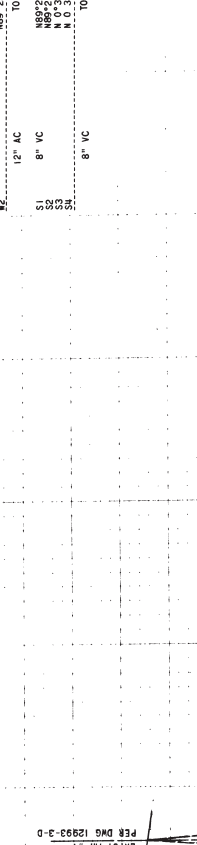
CONTRACT NO. 1732-2-0-1



COURSE	ITEM	RADIUS	LENGTH
C1	6" TYPE H CURB		617.35
C2	6" TYPE H CURB		1234.90
<b>TOTAL</b>			

W1	12" AC	489.22-456'E	348.19'
W2	12" AC	489.22-456'E	270.00'
		<b>TOTAL</b>	<b>618.19'</b>
S1	8" VC	489.22-456'E	180.00'
S2	8" VC	489.22-456'E	365.00'
S3	8" VC	489.22-456'E	270.00'
		<b>TOTAL</b>	<b>815.00'</b>



APPROVALS	DATE
CONTRACTOR (Signature)	2/16/19
CITY ENGINEER (Signature)	2/16/19
SALES (Signature)	2/16/19
PROJECT MANAGER (Signature)	2/16/19
DESIGNER (Signature)	2/16/19
DRAWER (Signature)	2/16/19
CHECKED (Signature)	2/16/19
DATE	2/16/19

DESCRIPTION	DATE
CONTRACTOR (Signature)	2/16/19
CITY ENGINEER (Signature)	2/16/19
SALES (Signature)	2/16/19
PROJECT MANAGER (Signature)	2/16/19
DESIGNER (Signature)	2/16/19
DRAWER (Signature)	2/16/19
CHECKED (Signature)	2/16/19
DATE	2/16/19

DESCRIPTION	DATE
CONTRACTOR (Signature)	2/16/19
CITY ENGINEER (Signature)	2/16/19
SALES (Signature)	2/16/19
PROJECT MANAGER (Signature)	2/16/19
DESIGNER (Signature)	2/16/19
DRAWER (Signature)	2/16/19
CHECKED (Signature)	2/16/19
DATE	2/16/19

**PRIVATE CONTRACT ENGINEER OF DESIGN**  
 CHARLES W. CHRISTENSEN & ASSOCIATES  
 2401 K STREET, SUITE 200  
 ELEV: 436.916 M.S.L. DATUM

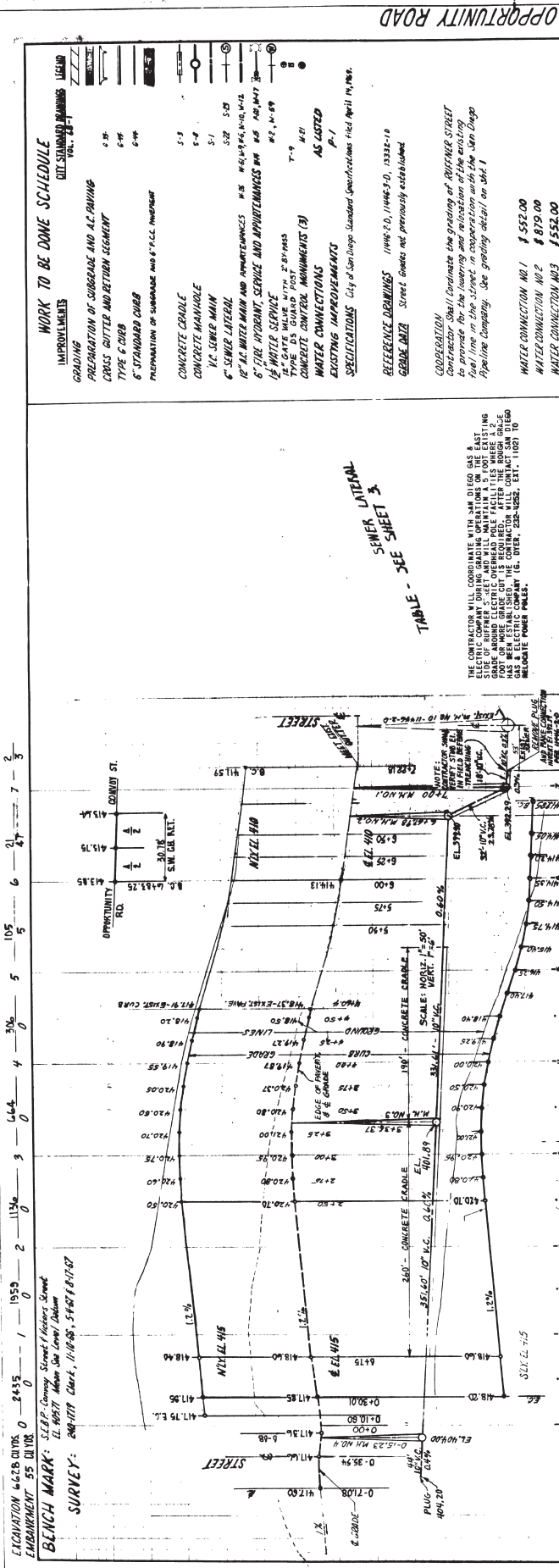
**CONVOY COURT**

KEARNY INDUSTRIAL PARK UNIT NO. 3  
 CITY OF SAN DIEGO CALIFORNIA  
 PROJECT NO. 168215-2-D  
 SHEET 2 OF 3 SHEETS

APPROVALS

DESCRIPTION	DATE
CONTRACTOR	2/16/19
CITY ENGINEER	2/16/19
SALES	2/16/19
PROJECT MANAGER	2/16/19
DESIGNER	2/16/19
DRAWER	2/16/19
CHECKED	2/16/19
DATE	2/16/19

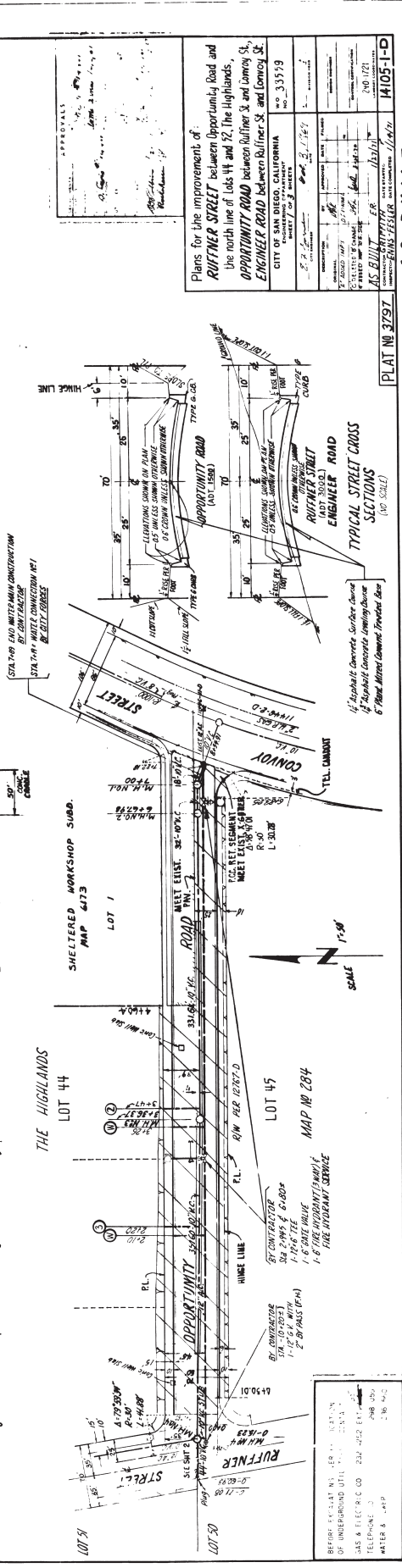
168215-2-D



Pipeline Rehabilitation AO-1 Appendix J - Site Maps

ELEVATION 6628.000 2435 0 1959 0 2 1136 0 3 164 0 4 306 0 5 105 5 6 47 7 7 2

BLANCH MARK: SLEEP COMPANY STREET & HIGHWAY  
 22 1957 1/2" X 1/2" (SEE SHEET 101-101)  
 SURVEY: 5/11/65, 5/11/67, 8/17/67



Typical Street Cross Sections

1/4" Asphalt Concrete Surface Course  
 1/2" Asphalt Concrete Layering Course  
 6" Thick Mixed Concrete Traveler Base

**WORK TO BE DONE SCHEDULE**

IMPROVEMENTS	EST. STANDARD FINISHES	LEAD
GRADING	1/2"	1/2"
PREPARATION OF SUBGRADE AND A.C. PAVING	1/2"	1/2"
CROSS CUTTER AND RETURN SEGMENT	1/2"	1/2"
TYPE C CURB	1/2"	1/2"
6" STANDARD CURB	1/2"	1/2"
PREPARATION OF SUBGRADE AND 6" C.C. FINISH	1/2"	1/2"
CONCRETE CURB	1/2"	1/2"
CONCRETE MANHOLE	1/2"	1/2"
V.C. SEWER MAIN	1/2"	1/2"
6" SEWER LATERAL	1/2"	1/2"
12" WATER MAIN AND APPURTENANCES	1/2"	1/2"
6" FIRE HYDRANT, SERVICE AND APPURTENANCES	1/2"	1/2"
12" WATER SERVICE WITH 2" W.P.S.	1/2"	1/2"
TYPE "D" SQUARE POST	1/2"	1/2"
CONCRETE CONTROL MONUMENTS (3)	1/2"	1/2"
WATER CONNECTIONS	1/2"	1/2"
EXISTING IMPROVEMENTS	1/2"	1/2"
SPECIFICATIONS	1/2"	1/2"

**REFERENCE DRAWINGS** 11446-2-D, 11446-3-D, 12322-1-0  
**GENERAL NOTE** Street Grades not previously established.

**OPERATION** Contractor shall coordinate the grading of RUFFNER STREET with the grading of OPPORTUNITY ROAD and the existing final line in the street in cooperation with the San Diego Pipeline Company. See grading detail on sheet 1.

**WATER CONNECTION NO. 1** \$ 552.00  
**WATER CONNECTION NO. 2** \$ 879.00  
**WATER CONNECTION NO. 3** \$ 552.00

**SEWER LATERAL**  
 SEE SHEET 3

THE CONTRACTOR WILL COORDINATE WITH SAN DIEGO GAS & ELECTRIC COMPANY TO LOCATE ALL EXISTING GAS AND ELECTRIC LINES AND TO LOCATE EXISTING GRADE AROUND ELECTRIC OVERHEAD POLE FACILITIES WHERE AS NECESSARY THE CONTRACTOR WILL CONTACT SAN DIEGO GAS & ELECTRIC COMPANY TO LOCATE ALL EXISTING TELEPHONE LINES. (G. DET., 25-4286, EXT. 1102) TO RELOCATE POWER POLES.

STAMP: END WATER MAIN CONSTRUCTION  
 STAMP: END SEWER MAIN CONSTRUCTION  
 RE-BUILD CROSSING

Plans for the improvement of RUFFNER STREET between Opportunity Road and the north line of lots 44 and 45, The Highlands, OPPORTUNITY ROAD between Ruffner St. and Conroy St., ENGINEER ROAD between Ruffner St. and Conroy St.

CITY OF SAN DIEGO, CALIFORNIA  
 PROJECT NO. 33519  
 DRAWING NO. 101-101

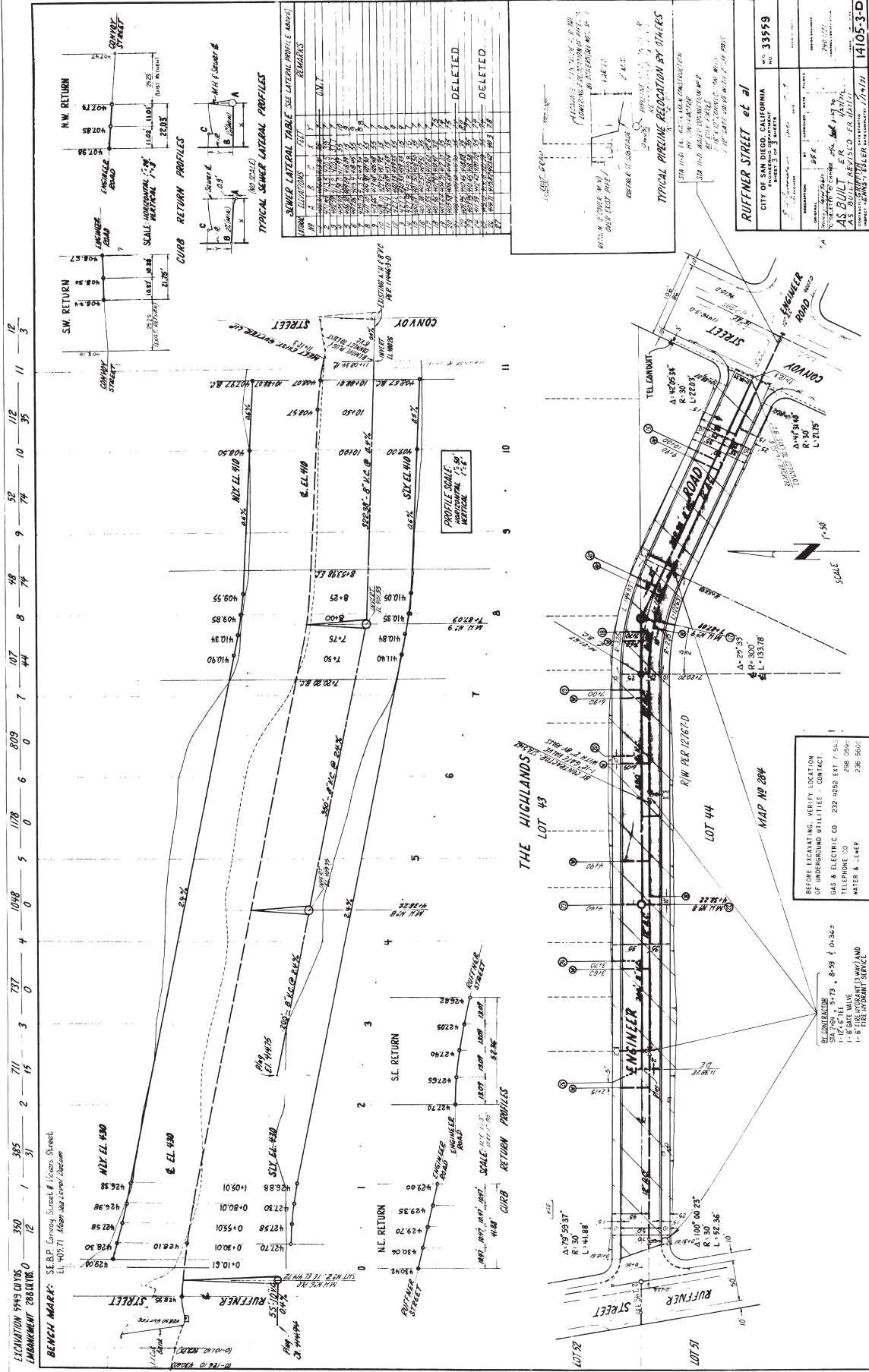
AS BUILT  
 DATE: 11/15/67  
 DRAWN BY: J. J. FOSTER  
 CHECKED BY: J. J. FOSTER  
 APPROVED BY: J. J. FOSTER

PLAT NO. 3797  
 H105-1-D

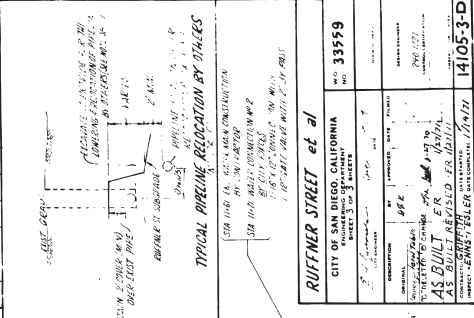
**AS BUILT**

BEFORE PRINTING: NO. 101-101  
 DATE: 11/15/67  
 OF UNDERGROUND UTILITIES: SEE SHEET 101-101  
 GAS & ELECTRIC CO. 232-4222 (CITY OFFICE)  
 TELEPHONE: 232-4222 (CITY OFFICE)  
 WATER & LIGHT: 232-4222 (CITY OFFICE)

ENGINEER ROAD



LINE	STATION	A	B	C	FEET	REMARKS
1	0+00					
1	0+10					
1	0+20					
1	0+30					
1	0+40					
1	0+50					
1	0+60					
1	0+70					
1	0+80					
1	0+90					
1	1+00					
1	1+10					
1	1+20					
1	1+30					
1	1+40					
1	1+50					
1	1+60					
1	1+70					
1	1+80					
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1	2+10					
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1	2+30					
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1	2+60					
1	2+70					
1	2+80					
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1	3+20					
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1	3+80					
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1	11+80					
1	11+90					
1	12+00					



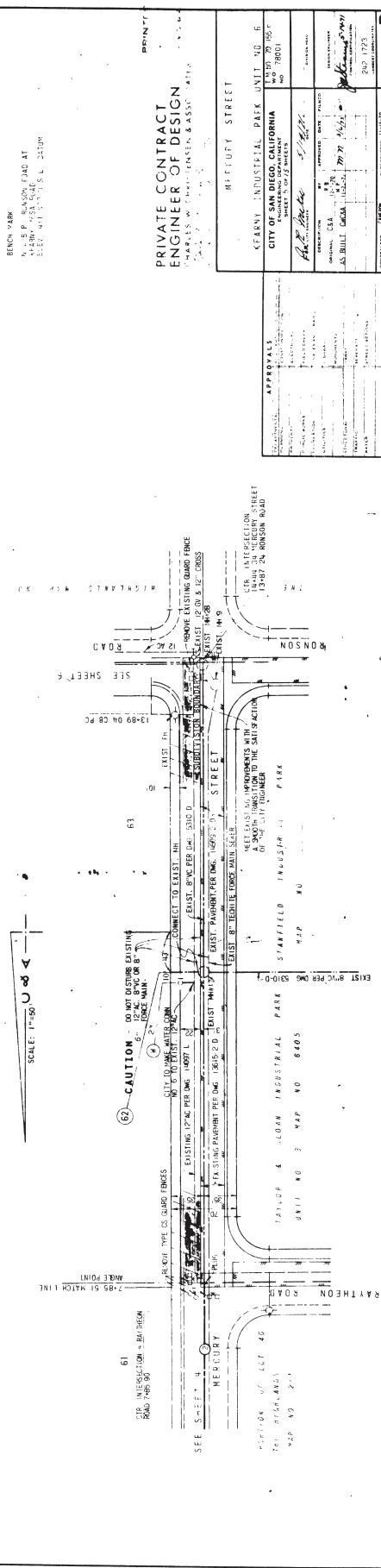
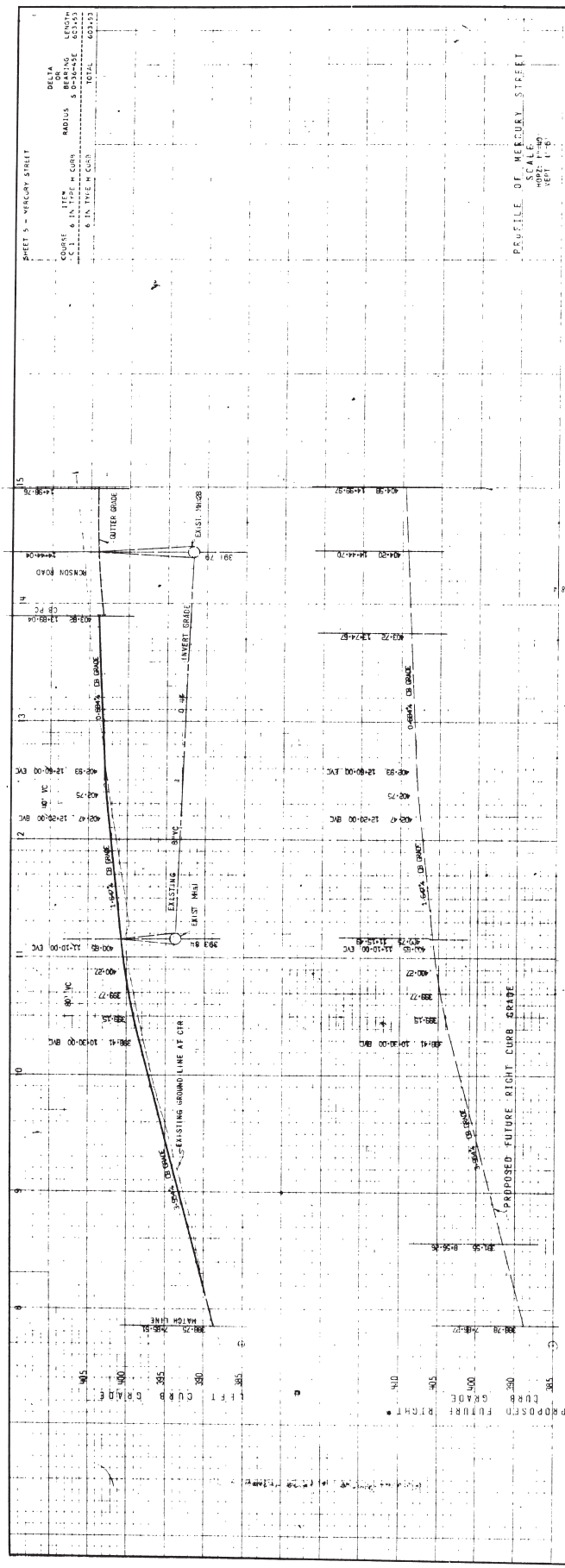
**RUFFNER STREET et al**  
 CITY OF SAN DIEGO, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 PROJECT NO. 33559  
**AS.BUILT**  
 DATE: 09/11/21  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 DATE: 09/11/21  
 PROJECT NO. 33559  
 SHEET NO. 141053-D

AS.BUILT





100' 200' 300' 400' 500' 600' 700' 800' 900' 1000' 1100' 1200' 1300' 1400' 1500' 1600' 1700' 1800' 1900' 2000'  
 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
 100' 200' 300' 400' 500' 600' 700' 800' 900' 1000' 1100' 1200' 1300' 1400' 1500' 1600' 1700' 1800' 1900' 2000'  
 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
 100' 200' 300' 400' 500' 600' 700' 800' 900' 1000' 1100' 1200' 1300' 1400' 1500' 1600' 1700' 1800' 1900' 2000'  
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 100' 200' 300' 400' 500' 600' 700' 800' 900' 1000' 1100' 1200' 1300' 1400' 1500' 1600' 1700' 1800' 1900' 2000'  
 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



BENCH MARK  
 N. L. B. RANSON ROAD AT  
 CORNER OF MERCURY STREET  
 ELEV. 411.78 (M.S.L. 25.00)

PRIVATE CONTRACT  
 ENGINEER OF DESIGN  
 CHARLES W. CHAMBERLIN & ASSOCIATES

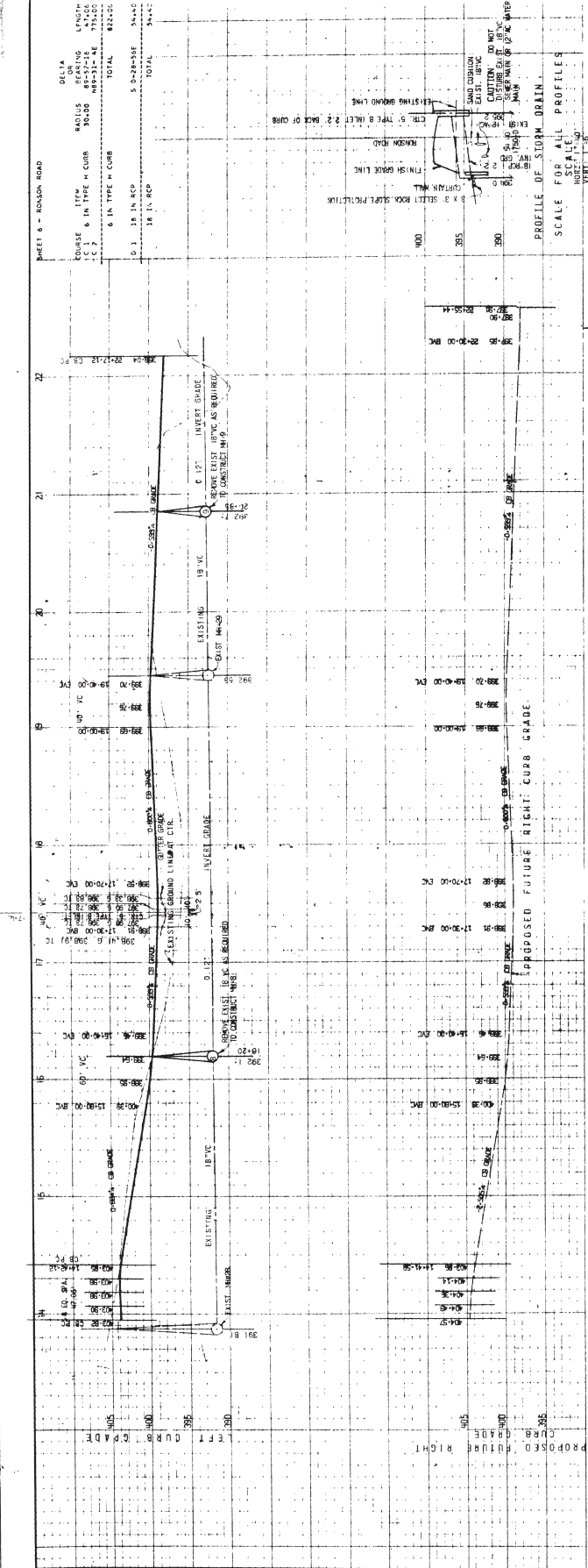
APPROVALS		CITY OF SAN DIEGO, CALIFORNIA	
DESIGNED BY	CHARLES W. CHAMBERLIN & ASSOCIATES	ENGINEER OF DESIGN	CHARLES W. CHAMBERLIN & ASSOCIATES
CHECKED BY	[Signature]	ENGINEER OF RECORD	[Signature]
DATE	7/7/1952	DATE	7/7/1952
APPROVED BY	[Signature]	CITY ENGINEER	[Signature]
DATE	7/7/1952	DATE	7/7/1952
APPROVED BY	[Signature]	APPROVED BY	[Signature]
DATE	7/7/1952	DATE	7/7/1952
APPROVED BY	[Signature]	APPROVED BY	[Signature]
DATE	7/7/1952	DATE	7/7/1952

SHEET 5 - MERCURY STREET  
 DELTA OR BENCH MARK  
 COURSE 6 IN TYPE B CURB  
 RADIUS 8 0/16 IN TYPE B CURB  
 6 IN TYPE B CURB  
 TOTAL 603113

PROFILE OF MERCURY STREET  
 SCALE  
 HORIZONTAL 1" = 100'  
 VERTICAL 1" = 10'

KERN INDUSTRIAL PARK UNIT NO. 6  
 CITY OF SAN DIEGO, CALIFORNIA  
 SHEET NO. 5 OF 5 SHEETS

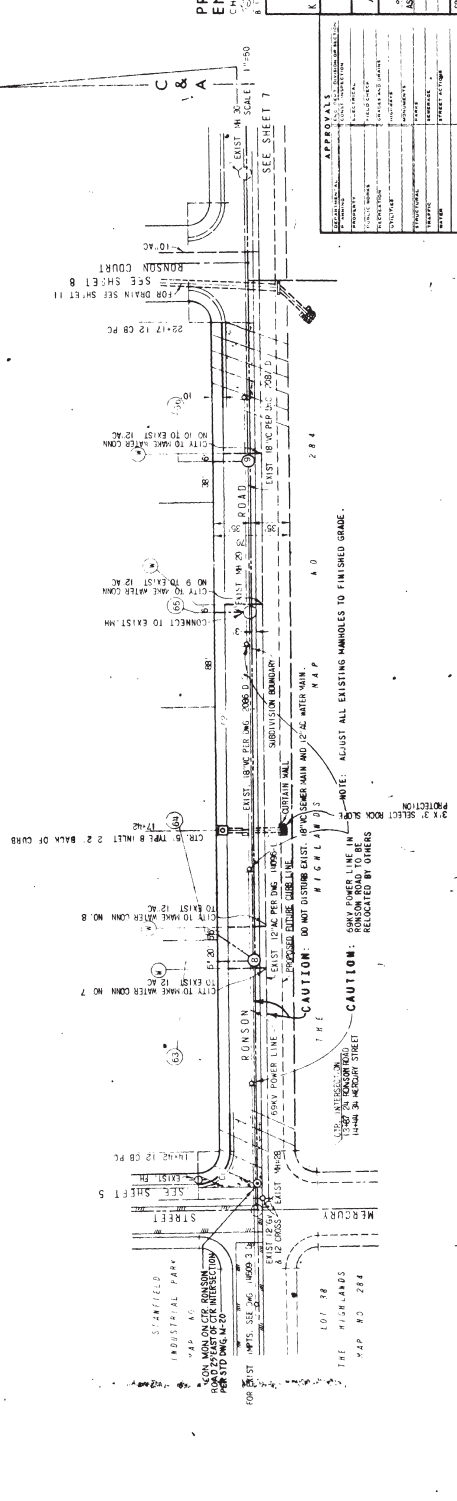
AS BUILT  
 DATE COMPLETED 7-27-52  
 4-1397 S-D  
 4-0178



**BRUSH MARK:**  
 N 4 8 P. RONSON ROAD AT  
 KEARNEY INDUSTRIAL PARK  
 1/20/2018 10:00 AM L. DAVUM

**PROFILE OF STORM DRAIN**  
 SCALE: 1" = 10'  
 HORIZ. 1" = 10'

**SCALE FOR ALL PROFILES**  
 SCALE: 1" = 10'



**PRINTED**  
**PRIVATE CONTRACT**  
**ENGINEER OF DESIGN**  
 CHARLES W. CHRISTENSEN & ASSOCIATES  
 1001 W. 10TH ST., SUITE 200  
 SAN ANTONIO, TEXAS 78207-4500  
 TEL: 214-343-2222 FAX: 214-343-2223

**UNIT: R.O.L.**  
 SHEET NO. 70 OF 76  
 PROJECT NO. 18093  
 DATE: 1/20/2018

**AS BUILT**  
 DATE: 1/20/2018  
 DRAWN BY: L. DAVUM  
 CHECKED BY: J. GARCIA  
 PROJECT NO. 18093  
 SHEET NO. 70 OF 76

**AS BUILT**  
 44973

**APPROVALS:**

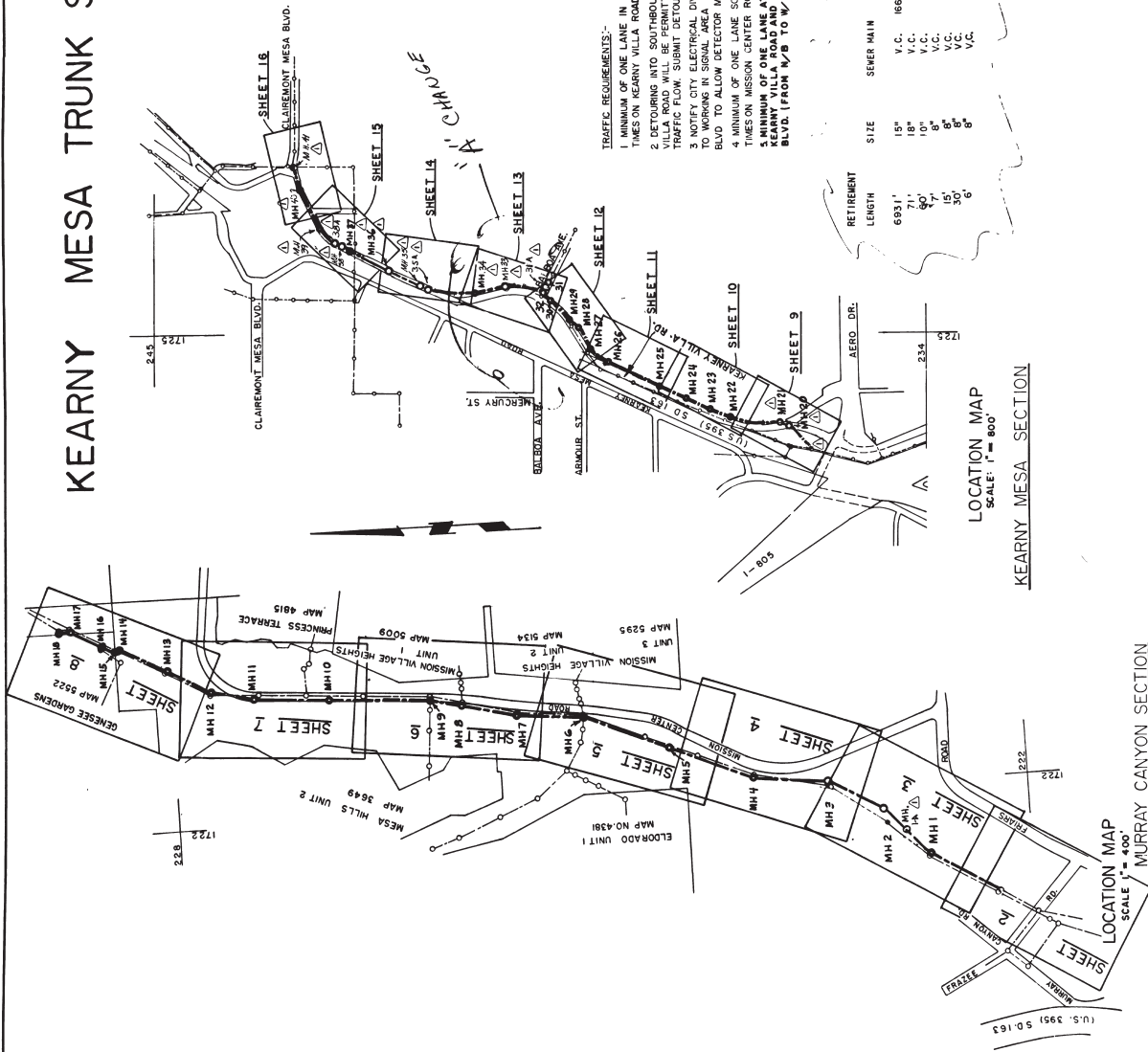
PROJECT ENGINEER	DATE
CHECKED	DATE
DESIGNED	DATE
DRAWN	DATE
PROJECT MANAGER	DATE
CLIENT REPRESENTATIVE	DATE

**KEY:**  
 1" = 10'  
 1" = 10'

**NOTES:**  
 1. ALL EXISTING MANHOLES TO FINISHED GRADE.  
 2. ASH PIPER LINE IN RONSON ROAD TO BE RELOCATED BY OTHERS.  
 3. CITY TO MAKE WATER CONN. NO. 7 TO EXIST. 12 AC.  
 4. CITY TO MAKE WATER CONN. NO. 8 TO EXIST. 12 AC.  
 5. CITY TO MAKE WATER CONN. NO. 9 TO EXIST. 12 AC.  
 6. PROPOSED DRAINAGE DITCHES TO BE LOCATED AS SHOWN AND 6" W.P. WATER MAIN.  
 7. CAUTION: DO NOT DISTURB EXISTING WATER MAIN AND 6" W.P. WATER MAIN.  
 8. CAUTION: ALL EXISTING MANHOLES TO FINISHED GRADE.  
 9. PROTECTION FOR ALL EXISTING UTILITIES TO REMAIN.  
 10. ALL EXISTING UTILITIES TO BE RELOCATED BY OTHERS.



# KEARNY MESA TRUNK SEWER PHASE II



### WORK TO BE DONE SCHEDULE

### STANDARD DRAWINGS

DESCRIPTION	REFERENCE
CONCRETE MANHOLE (see details SHEET 17)	M-1, M-2, M-4, S-2
VITRIFIED CLAY PIPE SEWER MAIN	3-4
CONCRETE ENCASUREMENT	S-7
CONCRETE CRADLE	S-4
CONCRETE BACKFILL	S-8
CUTOFF WALL	COM-1
ABANDON MANHOLES	AS NOTED
SEWER LATERAL	AS NOTED
EXTENSION	AS NOTED

FOUNDATION ROCK AND ADDITIONAL IMPORTED BACKFILL AS DETERMINED NECESSARY BY THE ENGINEER

**SPECIFICATIONS AND DIMENSIONS:**  
 REFERENCE DRAWINGS: CITY OF SAN DIEGO ENGINEERING DEPARTMENT, 1974 EDITION, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1974 EDITION, NUMBER BY BUILDING MATERIALS DIVISION, 1974 EDITION, FILED IN THE OFFICE OF THE CITY CLERK, MAY 10, 1974, DOCUMENT NO. 155143  
 REGIONAL STANDARD DRAWINGS, CITY DEPARTMENT OF TRANSPORTATION, FILED IN THE OFFICE OF THE CITY CLERK, JUNE 24, 1974, DOCUMENT NO. 157117  
 DATUM: MEAN SEA LEVEL

**TRAFFIC REQUIREMENTS:**  
 1. MINIMUM OF ONE LANE IN EACH DIRECTION AT ALL TIMES ON KEARNY VILLA ROAD & BALBOA AVE.  
 2. DETOURING INTO SOUTHBOUND LANES ON KEARNY VILLA ROAD WHILE THE DETOUR PLAN IS IN EFFECT.  
 3. WORKS CITY ELECTRICAL DIVISION (236-5500) PRIOR TO WORKING IN SIGNAL AREA AT CLAREMONT MESA BLVD TO ALLOW DETECTOR MODIFICATION.  
 4. MINIMUM OF ONE LANE SOUTHBOUND AT ALL TIMES ON MISSION CENTER ROAD.  
 5. MINIMUM OF ONE LANE AT INTERSECTION OF KEARNY VILLA ROAD AND CLAREMONT MESA BLVD. (FROM W/B TO W/S; SEE SHEET 16).

**"A" CHANGE**

FIELD NOTES: INDEX 234-1719, SURVEYOR CATCH DATE 5-11-78, 4-30-79, W.D. 147004  
 MAJOR STREETS: THOSE STREETS WITHIN THIS PROJECT DESIGNATED AS MAJOR OR SECONDARY STREETS ARE MISSION CENTER ROAD, KEARNY VILLA ROAD, CLAREMONT MESA BLVD, AND BALBOA AVE. ALL OTHER STREETS IN THIS AREA SHALL NOT BE LESS THAN 7 INCHES THICK.  
 REPAIRMENT REPLACEMENT FOR ALL OTHER STREETS IN THIS AREA SHALL NOT BE LESS THAN 5 INCHES THICK.

**"A" CHANGE**

SEWER MAIN	SERIES	DATE INSTALLED
15"	V.C. 8689-D-1672-D	1982
18"	V.C. 12807-S-D	1969
18"	V.C. 10727-D	1963
8"	V.C. 13572-L	1958
8"	V.C. 13468-D	1972
8"	V.C. 3293-D	1982

RETIREMENT LENGTH	DATE INSTALLED
6931'	1982
71'	1969
47'	1963
15'	1958
30'	1972
6'	1982

LOCATION MAP  
 SCALE: 1" = 800'

KEARNY MESA SECTION

LOCATION MAP  
 SCALE: 1" = 400'

MURRAY CANYON SECTION

APPROVALS	CITY CONTRACT	C.I.R. NO.
DESIGNER	KEARNY MESA TRUNK SEWER	43-0162
ENGINEER	PHASE II	
DIVISION OR SECTION		
DATE CHECKED		
DATE REVISION		
DATE		

DESCRIPTION	APPROVED	DATE
DESIGNER		
ENGINEER		
DIVISION OR SECTION		
DATE CHECKED		
DATE REVISION		
DATE		

PROPERTY	APPROVED	DATE
OWNER		
ENGINEER		
DIVISION OR SECTION		
DATE CHECKED		
DATE REVISION		
DATE		

DESCRIPTION	APPROVED	DATE
DESIGNER		
ENGINEER		
DIVISION OR SECTION		
DATE CHECKED		
DATE REVISION		
DATE		

DESCRIPTION	APPROVED	DATE
DESIGNER		
ENGINEER		
DIVISION OR SECTION		
DATE CHECKED		
DATE REVISION		
DATE		

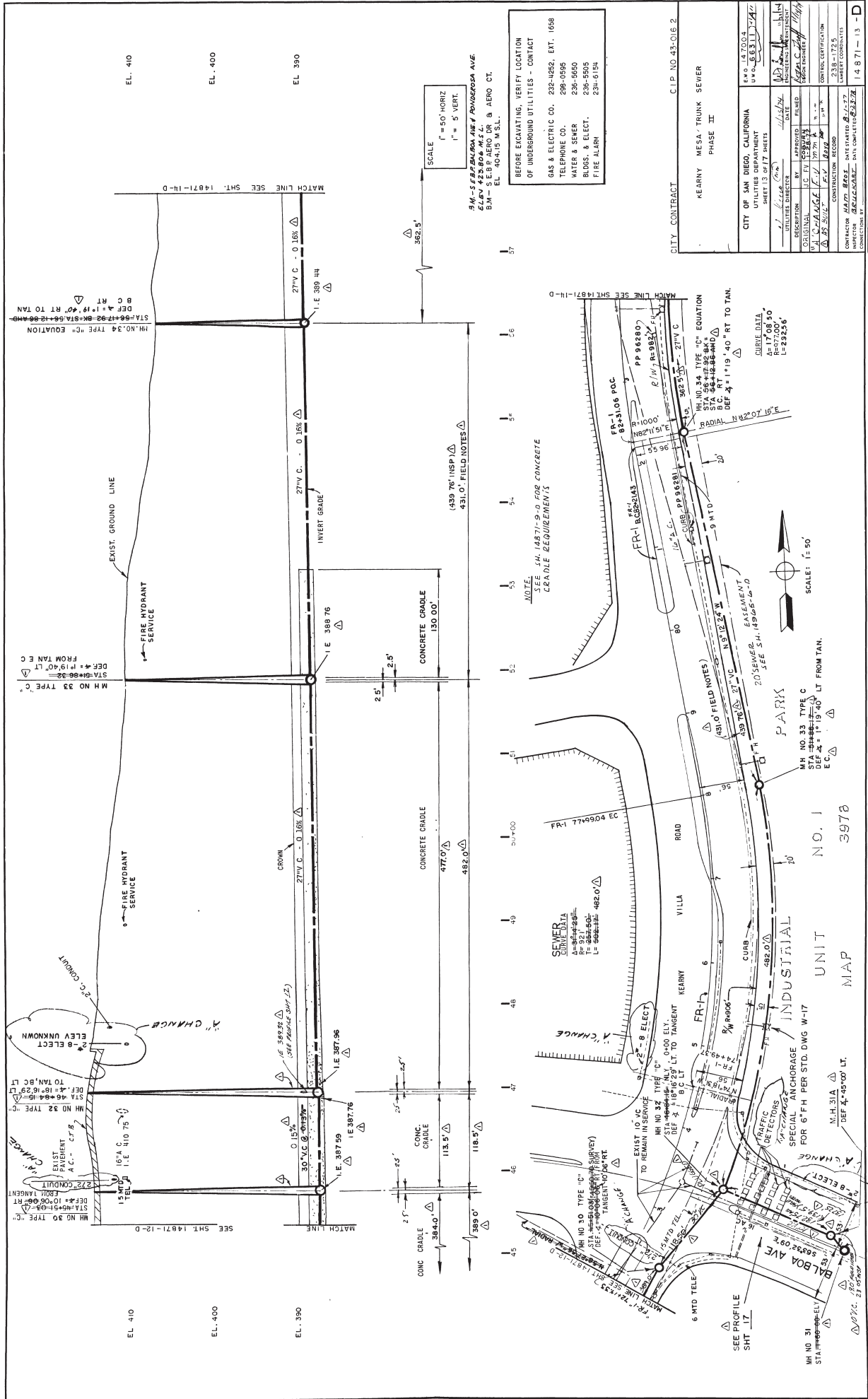
DESCRIPTION	APPROVED	DATE
DESIGNER		
ENGINEER		
DIVISION OR SECTION		
DATE CHECKED		
DATE REVISION		
DATE		

DESCRIPTION	APPROVED	DATE
DESIGNER		
ENGINEER		
DIVISION OR SECTION		
DATE CHECKED		
DATE REVISION		
DATE		

DESCRIPTION	APPROVED	DATE
DESIGNER		
ENGINEER		
DIVISION OR SECTION		
DATE CHECKED		
DATE REVISION		
DATE		

**AS BUILT**

BEFORE EXCAVATING, VERIFY LOCATION OF UNDERGROUND UTILITIES - CONTACT:  
 GAS & ELECTRIC CO. 232-4282 EXT. 1658  
 TELEPHONE CO. 298-0595  
 WATER & SEWER 230-5600  
 BUSES & ELECT. 234-8154  
 FIRE ALARM 234-8154



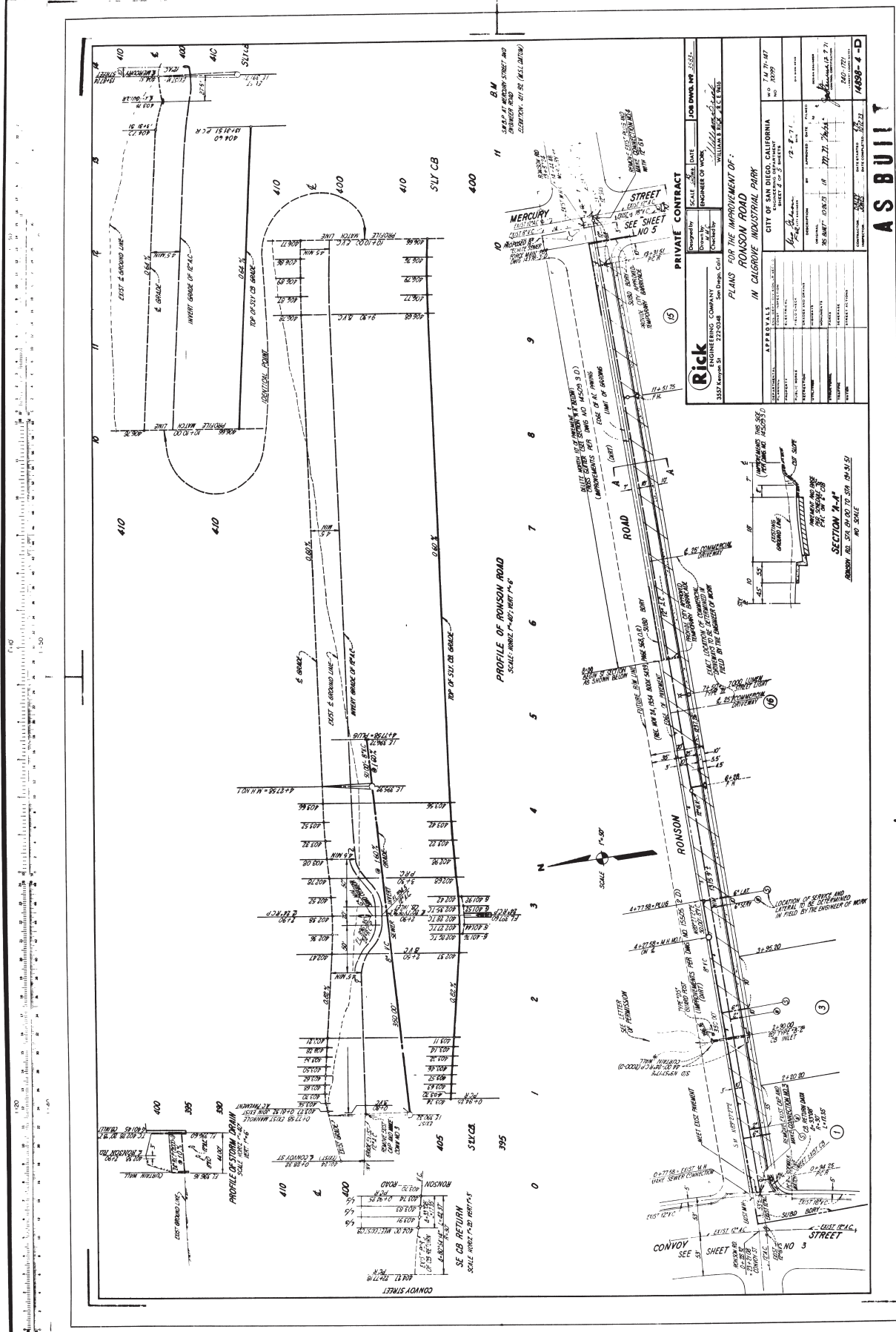
BEFORE EXCAVATING, VERIFY LOCATION OF UNDERGROUND UTILITIES - CONTACT GAS & ELECTRIC CO., 232-4282, EXT. 1658 TELEPHONE CO., 299-0595 WATER & SEWER 236-5650 BLOSS. & SELECT. 236-5505 FIRE ALARM 231-6154

9M-5-FR-1-BALBOA AVE / POMAZCOVA AVE. 6.6V 423.806 M.S.L. 5M - SEEP AERO DR. & AERO CT. EL. 404.15 W.S.L.

CITY CONTRACT		C.I.P. NO. 43-016.2	
KEARNY MESA TRUNK SEWER PHASE II			
CITY OF SAN DIEGO, CALIFORNIA		U.A. 6.56311774	
UTILITIES DEPARTMENT		SHEET 13 OF 17 SHEETS	
APPROVED BY	DATE	APPROVED BY	DATE
UTILITIES DIRECTOR	1/15/07	UTILITIES DIRECTOR	1/15/07
DESCRIPTION	PHASE II	DESCRIPTION	PHASE II
ORIGINAL DATE	1/15/07	ORIGINAL DATE	1/15/07
DATE	1/15/07	DATE	1/15/07
CONSTRUCTION RECORD	238-11725	CONSTRUCTION RECORD	238-11725
CONTRACTOR	MAV. BROS.	CONTRACTOR	MAV. BROS.
INSPECTOR	DELLACASA	INSPECTOR	DELLACASA
DATE COMPLETED	03/27/07	DATE COMPLETED	03/27/07
UNBERT COORDINATES	14871-13-D	UNBERT COORDINATES	14871-13-D

AS BUILT





TO I  
EDUCTION



14927-11-L

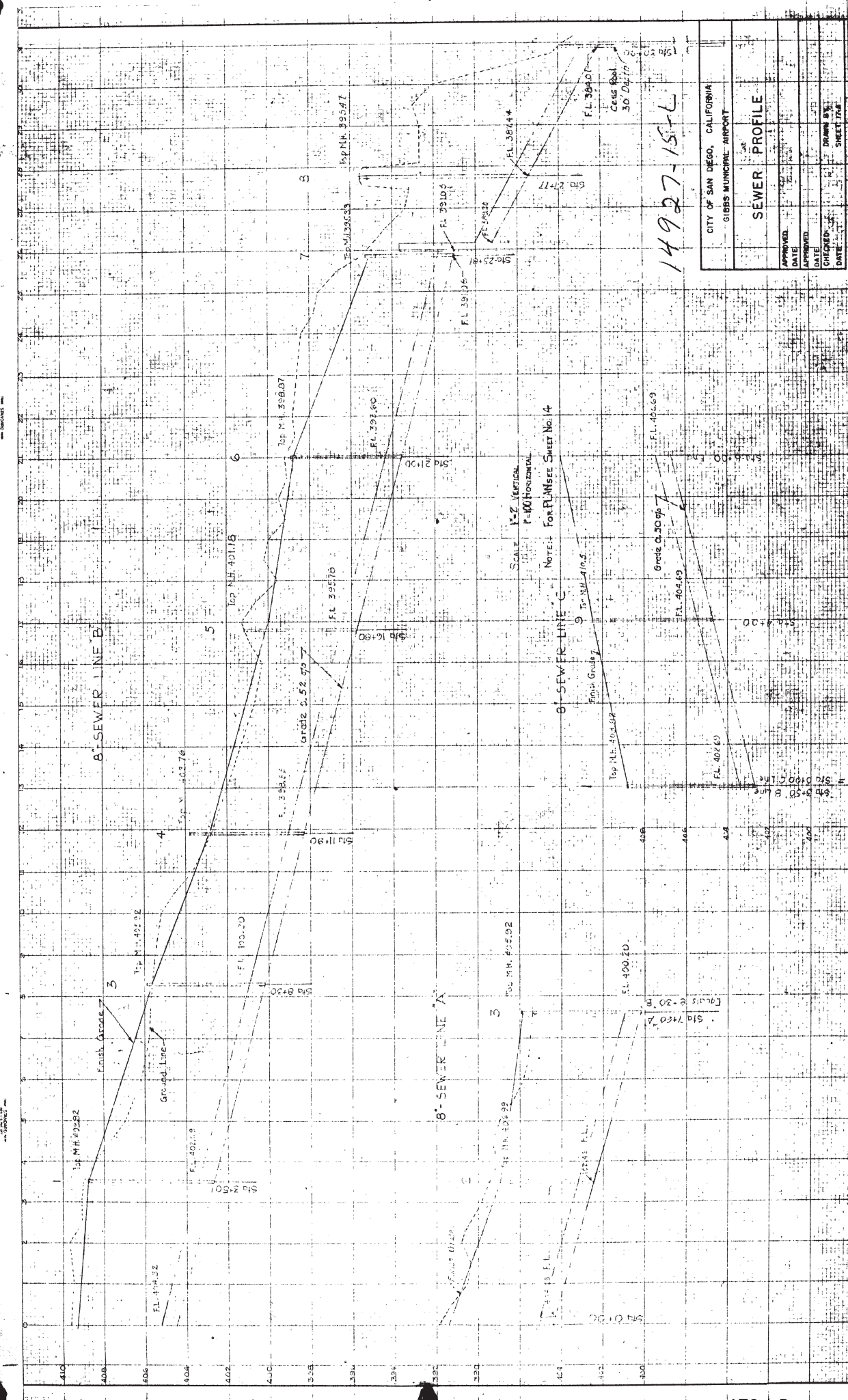
SCALE - 1" = 200'

CITY OF SAN DIEGO, CALIFORNIA  
GIBBS MUNICIPAL AIRPORT

### GRADING & DRAINAGE PLAN

APPROVED	DATE
CHECKED	DATE
DATE	NOV 1, 1948
REVISION	# 1 B
SHEET	# 14

1" = 10'



8" SEWER LINE B

8" SEWER LINE C

8" SEWER LINE A

SCALE: VERTICAL 1"=2' HORIZONTAL 1"=100'

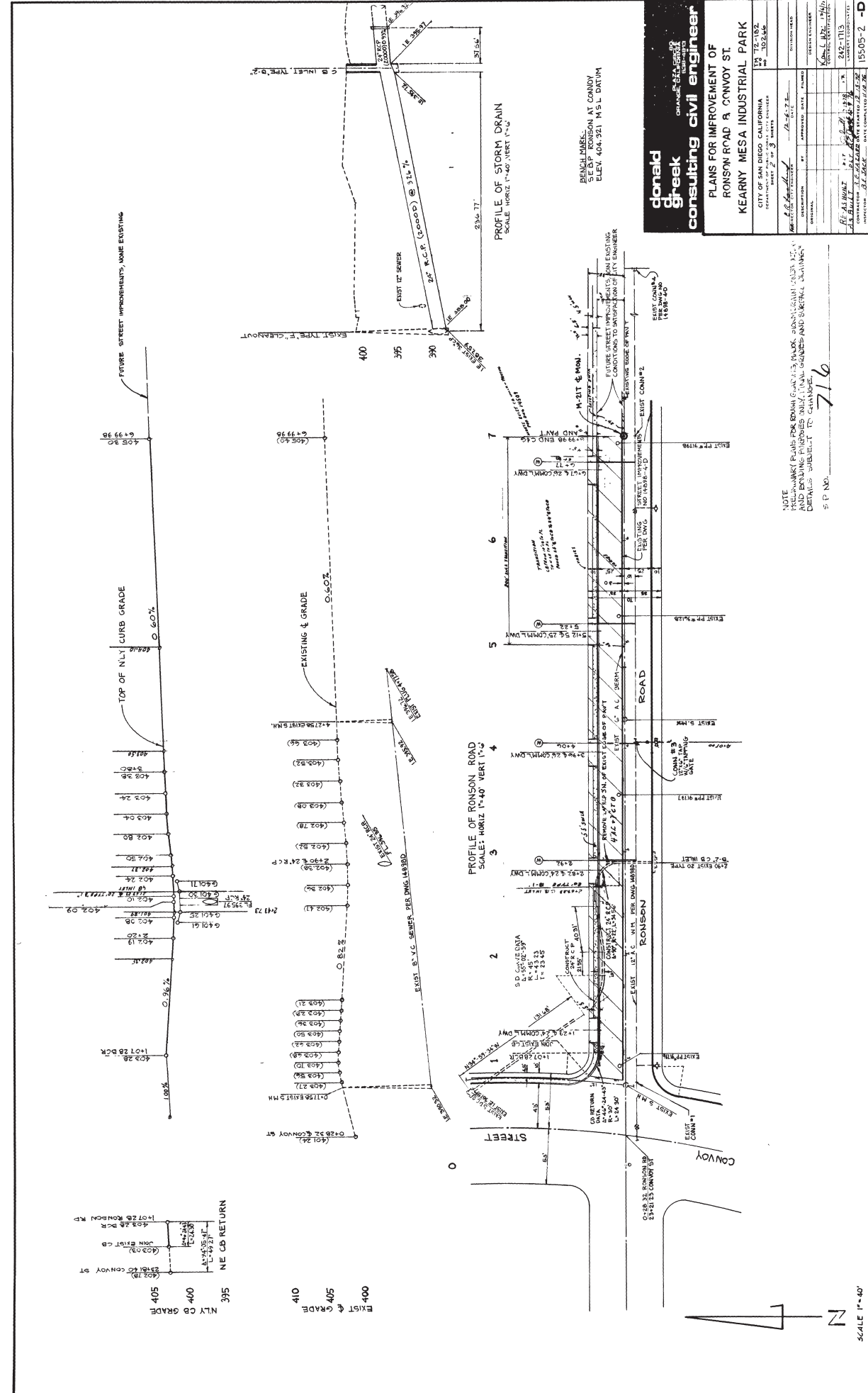
NOTE: FOR PLUMBER SEE SHEET No. 14

14927-15-L

CITY OF SAN DIEGO, CALIFORNIA GIBBS MUNICIPAL AIRPORT	
APPROVED DATE	SEWER PROFILE
APPROVED DATE	
CHECKED DATE	DRAWN BY
DATE	SHEET NO.







**donald greek consulting civil engineer**  
 CHANCELLER, REGISTERED PROFESSIONAL ENGINEER  
 1100 W. 14TH ST. SUITE 100  
 SAN DIEGO, CA 92161  
 PHONE: 619-444-2113  
 FAX: 619-444-2114  
 WWW: DGGREEN.COM

**PLANS FOR IMPROVEMENT OF RONSEN ROAD & CONVOY ST. KEARNEY MESA INDUSTRIAL PARK**

CITY OF SAN DIEGO, CALIFORNIA  
 PROJECT NO. 15505-2-D  
 SHEET 2 OF 3 SHEETS

DATE: 10/2/12

APPROVED BY: [Signature]  
 DATE: 10/2/12

DESIGNED BY: [Signature]  
 DATE: 10/2/12

CHECKED BY: [Signature]  
 DATE: 10/2/12

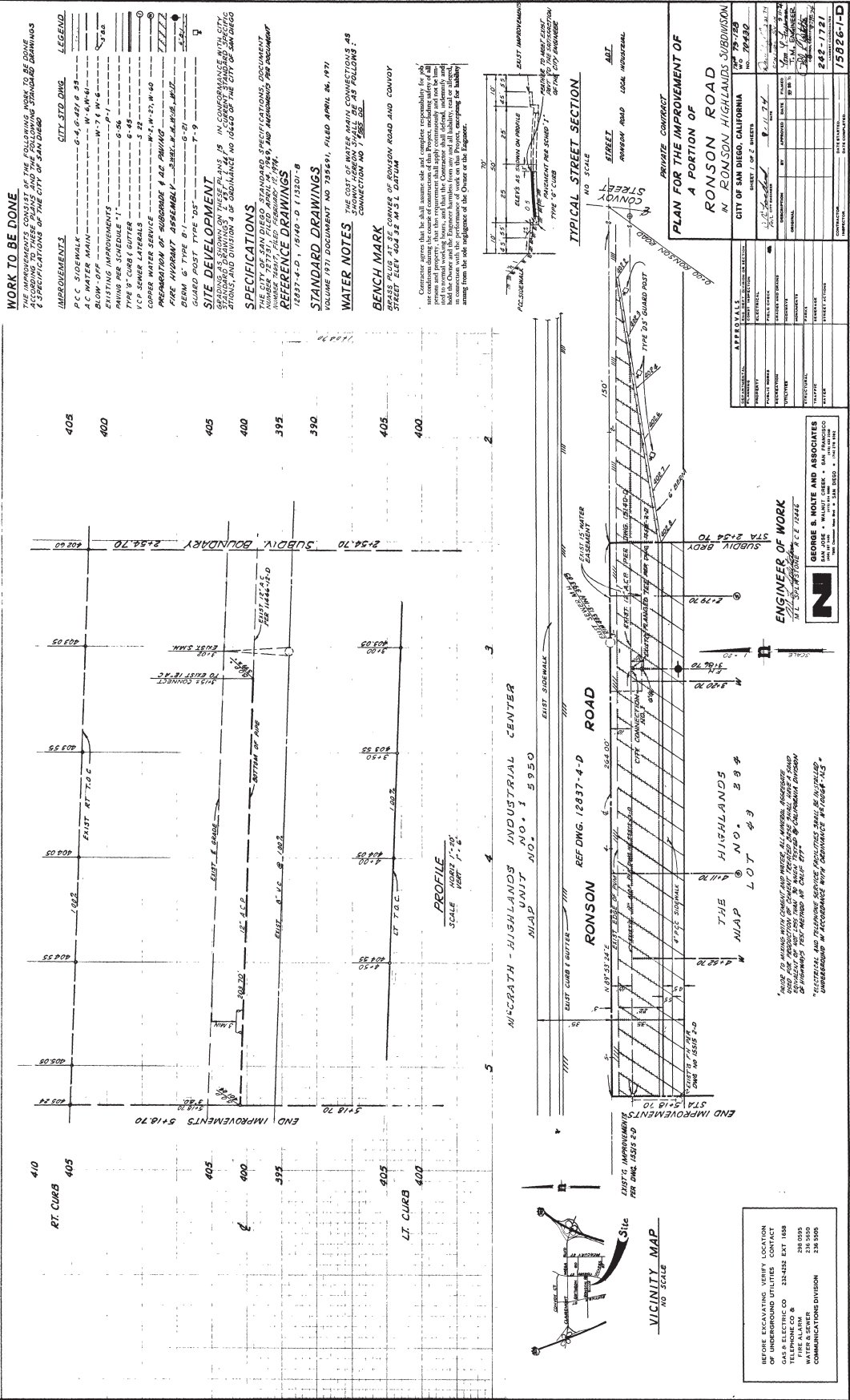
PROJECT NO. 15505-2-D

NOTE: ANY CHANGES TO THIS PLAN SHALL BE MADE AT THE CLIENT'S RISK. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE CLIENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. THE CLIENT SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT.

S.P. NO. 716









# CAMERON INDUSTRIAL PARK NO. 5

- GENERAL NOTES**
- NEITHER THE OWNER NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS EXCEPT AS SPECIFICALLY REFERENCED HEREIN. THE ENGINEER OF WORK SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL WORKING AND SAFETY REGULATIONS AND ORDINANCES.
  - LOCATION AND TYPE OF CONSTRUCTION OF NEW WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK.
  - CONTRACTOR WILL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES BEFORE COMMENCING CONSTRUCTION OF NEW WORK. REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES. REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES. REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES. REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
  - WHERE TRENCHES ARE WITHIN EASEMENTS ADJACENT TO FUTURE BUILDING SITES, SOILS REPORTS SHALL BE OBTAINED FROM THE SOILS ENGINEER IN ACCORDANCE WITH THE ON-SITE SPECIFICATION.
  - TREATED WASTE SHALL HAVE A MINIMUM CONCENTRATION OF NOT LESS THAN 50 WPM TESTED IN CALIFORNIA DIVISION OF HIGHWAYS TEST METHOD NO. "CALIF. 877".
  - CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS & ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR ANY EXISTING GAS LINES AND LOCATIONS OF ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL USE PUBLIC RECORDS AND LOCATION OF ANY UNDERGROUND UTILITIES. CONTRACTOR SHALL USE PUBLIC RECORDS AND LOCATION OF ANY UNDERGROUND UTILITIES. CONTRACTOR SHALL USE PUBLIC RECORDS AND LOCATION OF ANY UNDERGROUND UTILITIES. CONTRACTOR SHALL USE PUBLIC RECORDS AND LOCATION OF ANY UNDERGROUND UTILITIES.
  - CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
  - CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS & ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR ANY EXISTING GAS LINES AND LOCATIONS OF ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL USE PUBLIC RECORDS AND LOCATION OF ANY UNDERGROUND UTILITIES. CONTRACTOR SHALL USE PUBLIC RECORDS AND LOCATION OF ANY UNDERGROUND UTILITIES. CONTRACTOR SHALL USE PUBLIC RECORDS AND LOCATION OF ANY UNDERGROUND UTILITIES.
  - CONTRACTOR SHALL NOTIFY THE PACIFIC TELEPHONE COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.
  - ALL TELEPHONE SERVICES WITHIN THIS SUBDIVISION ARE "UNDERGROUND INSTALLATIONS". CONTRACTOR SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.
  - WATER AND SEWER LATERALS SERVICES TO BE CONSTRUCTED CLEAR OF OTHERS (SEE TYPICAL SERVICE CONNECTION).
  - LOCATION OF COMMERCIAL UTILITIES TO BE DETERMINED IN THE FIELD BY THE ENGINEER OF WORK.
  - ELECTRODOLER SHALL BE GALVANIZED WITH STANDARDS. IN ACCORDANCE WITH STANDARDS WITHIN 1000 FEET OF "DANGER" ZONE.
  - ELECTRODOLER SHALL BE GALVANIZED WITH STANDARDS. IN ACCORDANCE WITH STANDARDS WITHIN 1000 FEET OF "DANGER" ZONE.
  - ELECTRODOLER SHALL BE GALVANIZED WITH STANDARDS. IN ACCORDANCE WITH STANDARDS WITHIN 1000 FEET OF "DANGER" ZONE.
  - CONTRACTOR SHALL CONSIDER THE CONTRIBUTION OF ALL COSTS AND SHALL BE RESPONSIBLE FOR THE CONFORMANCE WITH CITY OF SAN DIEGO SPECIFICATIONS. A REVISIONS SHALL BE PRESENT DURING ALL DRAWING.

WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE ASSUMPTIONS SET FORTH THEREIN. THE CITY OF SAN DIEGO HAS REVIEWED THESE PLANS AND APPROVED THEM FOR CONSTRUCTION. THE CITY OF SAN DIEGO HAS REVIEWED THESE PLANS AND APPROVED THEM FOR CONSTRUCTION. THE CITY OF SAN DIEGO HAS REVIEWED THESE PLANS AND APPROVED THEM FOR CONSTRUCTION.

REVISED DECEMBER 10, 1971

LEGEND

PREPARATION OF SUB-GRADE AND A.C. PAVING

TYPE "C" CURB (5")

4" P.C.C. SIDEWALK

CROSS CUTTERS

COMMERCIAL DRIVEWAY

CONCRETE MANHOLE

P.W. SEWER MAIN

SEWER LATERALS

A.C. WATER MAIN

1" COPPER WATER SERVICE

STREET LIGHT - 1000 LUMENS

FIRE HYDRANT - 4" - 4" - 10" - # 57

HOSE BIBB

MANUAL AIR RELEASE

GUARD FENCE

EXISTING CURB

SUBDIVISION BOUNDARY

20' ROW (2' MINIMUM)

DAYLIGHT LINE

UNGRADED DITCH

LOT NUMBER

AVERAGE DAILY TRAFFIC

DAGGET STREET - LOCAL INDUSTRIAL

LAND DEVELOPMENT

WATER CONNECTION

THE EAST OF THE CONNECTION SHOWN ON THIS PLAN IS FOR THE

REFERENCE DRAWINGS

11446-2-D, 11446-11-D, 11446-12-D

BENCH MARK

SEW CONVOY STREET AND BALBOA AVENUE

ELEVATION 415.544 N.S.L. DATUM

PRIVATE CONTRACT DATE 7-27-65

RICK ENGINEERING COMPANY

IMPROVEMENT PLAN FOR

CONVOY STREET & DAGGET STREET

CITY OF SAN DIEGO, CALIFORNIA

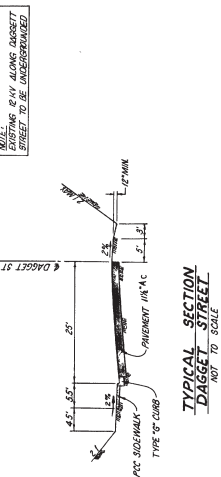
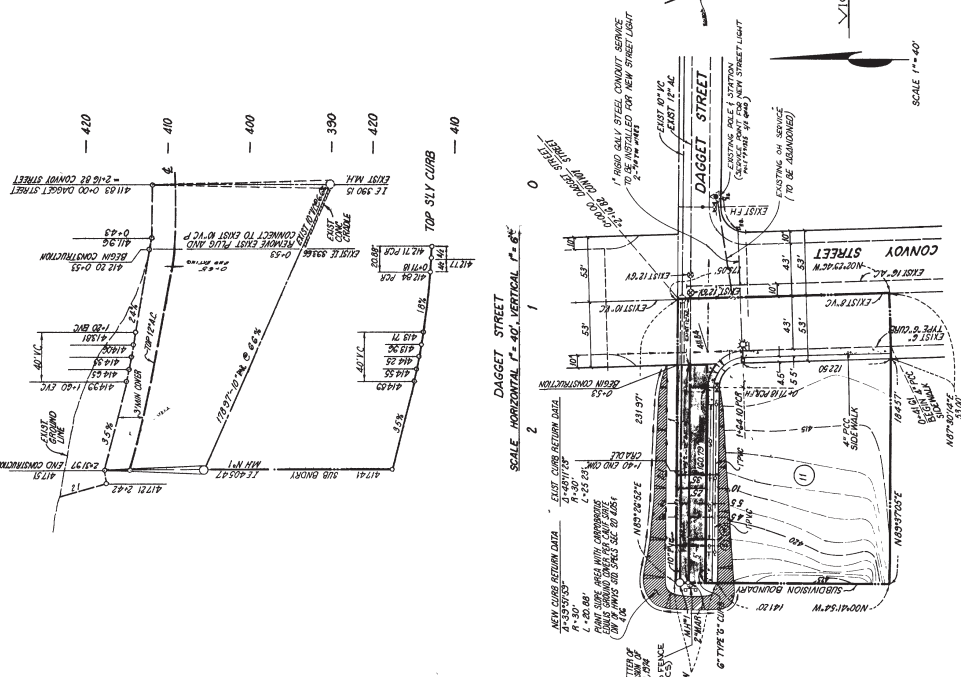
NO. 00413

DATE 11-1-74

ENGINEER OF WORK

DATE 11-1-74

16145-D



SCALE HORIZONTAL 1" = 40', VERTICAL 1" = 6"

SCALE 1" = 40'

INDUSTRIAL PARK

VICINITY MAP

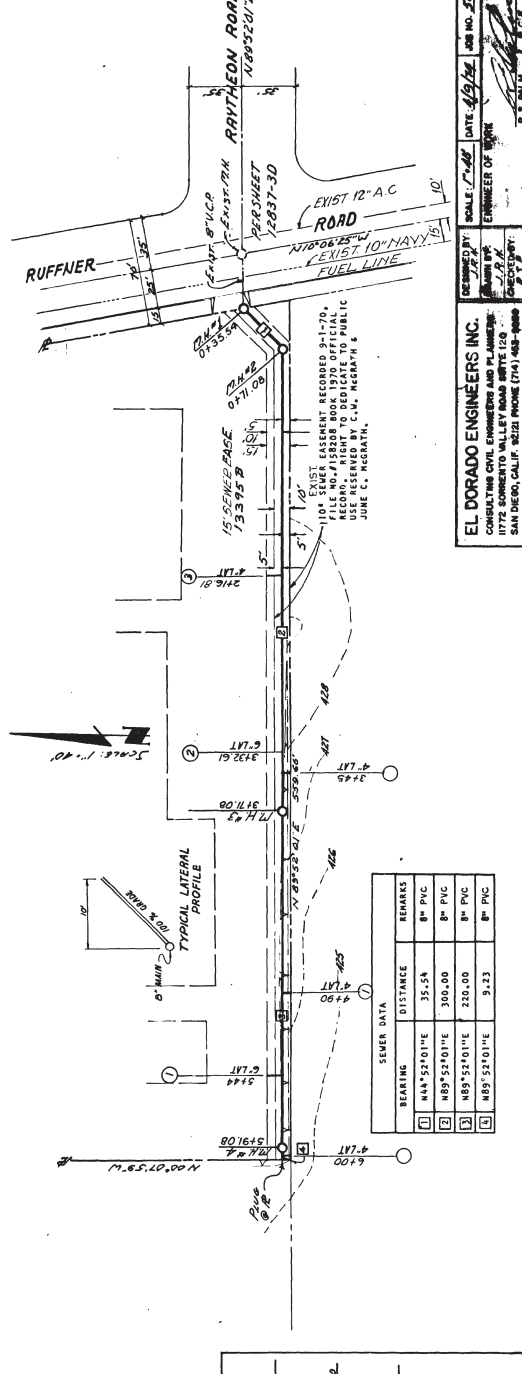
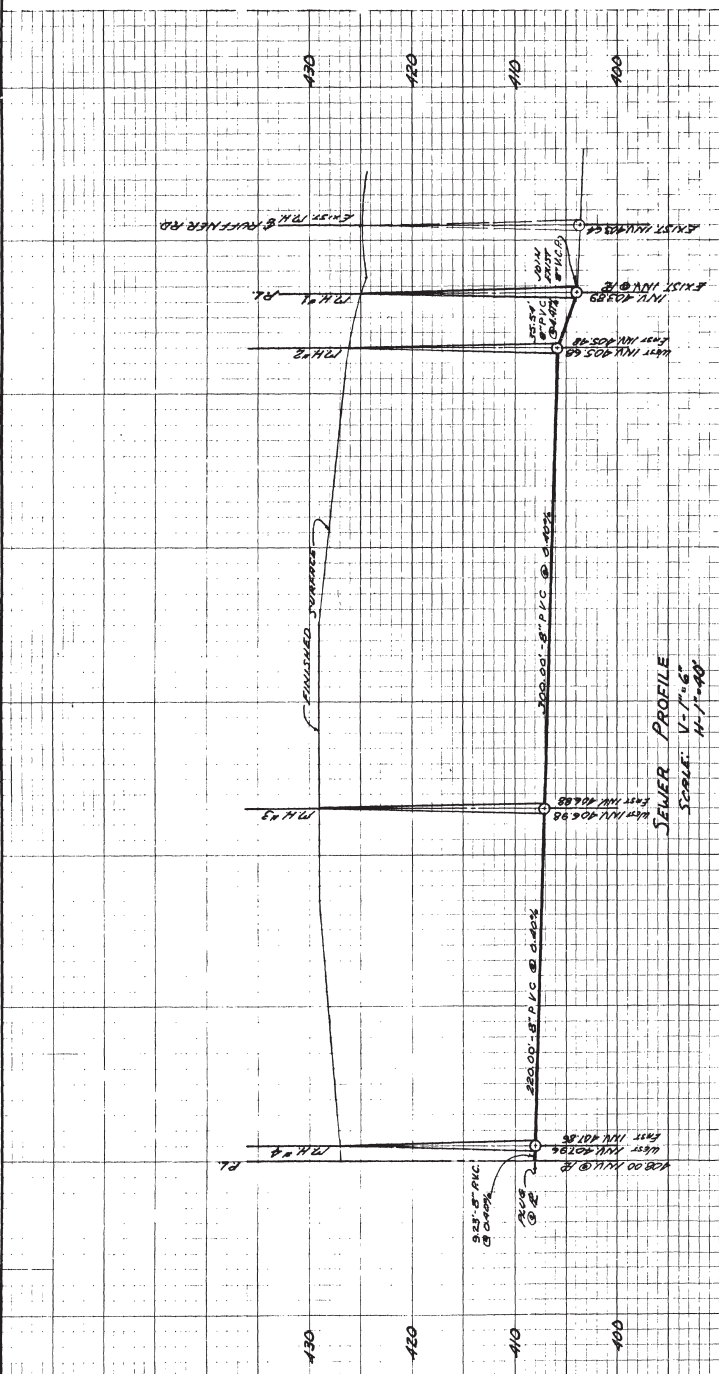
NO SCALE

ENGINEER OF WORK

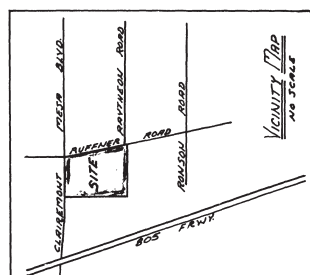
DATE 11-1-74

16145-D

CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND REVISIONS TO THESE PLANS AS NECESSARY TO CORRECTLY LOCATE AND DEPTH OF UNDERGROUND UTILITIES. CONTACT GAS & ELECTRIC CO. - 232-4252, EXT. 1555. TELEPHONE CO. - 298-9998. FIRE ALARM - 236-5550. WASTEWATER DIVISION - 236-5550. BUILDINGS AND REGULATION - 236-5590.



SEWER DATA	BEARING	DISTANCE	REMARKS
1	N44°52'01"E	35.54	8" PVC
2	N89°52'01"E	300.00	8" PVC
3	N89°52'01"E	220.00	8" PVC
4	N89°52'01"E	9.23	8" PVC



- NOTES:
- CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND REVISIONS TO THESE PLANS AS NECESSARY TO CORRECTLY LOCATE AND DEPTH OF UNDERGROUND UTILITIES. CONTACT GAS & ELECTRIC CO. - 232-4252, EXT. 1555. TELEPHONE CO. - 298-9998. FIRE ALARM - 236-5550. WASTEWATER DIVISION - 236-5550. BUILDINGS AND REGULATION - 236-5590.
  - LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY CONTRACTOR SHALL BE SHOWN ON THESE PLANS.
  - BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND DEPTH OF UNDERGROUND UTILITIES SHALL BE VERIFIED BY CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER UTILITIES SHOWN EXCEPT AS SHOWN ON THESE PLANS.
  - CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON. MEASURES OTHER THAN SHOWN HEREON ARE NOT SHOWN ON THESE PLANS.
  - CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS & ELECTRIC COMPANY AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES. TELEPHONE: 232-4252, EXT. 1555.
  - CONTRACTOR SHALL NOTIFY THE PACIFIC TELEPHONE CO. AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES. TELEPHONE: 298-0395.
  - NEITHER THE OWNER, NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE THEREFOR.
  - ALL MANHOLES SHALL HAVE RAIN EXITS. THE GRADE IN UNPAVED AREAS & FLUSH WITH PAVEMENT IN PAVED AREAS SHALL BE ACCESSIBLE TO CITY VEHICLES.
  - THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE FOLLOWING SPECIFICATIONS AND STANDARD DRAWINGS OF THE CITY OF SAN DIEGO, 727771, FILED APRIL 14, 1989.

STANDARD DRAWINGS - VOLUME 71, FILED APRIL 26, 1971  
 IMPROVEMENTS - STANDARD DRAWINGS  
 8" PVC SEWER - J-M 5-1,  
 STANDARD MANHOLE - 5-8, 4-29

PERMITTEE COMPANY, INC.  
 7290 CLAIRBROOK BLVD.  
 SAN DIEGO, CALIFORNIA 92111  
 TELEPHONE: 714-292-9550

LEGAL DESCRIPTION:  
 CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, BEING PARCEL 2 AND A PORTION OF PARCEL NO. 2187, FILED IN THE OFFICE OF THE COUNTY RECORDER ON APRIL 14, 1989, MAP NO. 233, BEING ALSO A PORTION OF LOT 1 OF PARCEL HIGHLANDS UNIT NO. 2, MAP NO. 6159.

BENCH MARK  
 BESS PLUS AT E. CORNER OF CONVOY STREET AND PICKERS ROAD, ELEVATION - 4827.71 MSLC BURN

CITY PERMIT APPLI 62253 AS BUILT  
 PRIVATE CONTRACT

PLANS FOR IMPROVEMENT OF:  
 INDEPENDENCE SQUARE

CITY OF SAN DIEGO, CALIFORNIA  
 NO. 62253

SHEET 1 OF 1 SHEETS  
 DATE: 7-1-74  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 APPROVED BY: [Signature]

EL DORADO ENGINEERS INC.  
 CONSULTING CIVIL ENGINEERS AND PLANNERS  
 1000 G STREET, SUITE 100  
 SAN DIEGO, CALIF. 92101 PHONE (714) 464-4000

DATE: 4/9/84  
 JOB NO. 5004  
 ENGINEER OF WORK: [Signature]  
 CHECKED BY: [Signature]

PERMIT P 13993

**WORK TO BE DONE**

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

IMPROVEMENTS	STD. DWG'S	LEGEND
GRADING		
PAVEMENT	(S-95)*	
4" P.C. SIDEWALK	G-7, G-9, G-10	
8" TYPE G CURB	G-3	
SEWER LATERAL	CM-17, 17-1	
2" WATER SERVICE	W-2, W-19 A-1	
COMMERCIAL DRIVEWAY	Q-1, Q-19	

\* PER CITY OF SAN DIEGO STD. DWG. (PER 135-691, 1-2, 5-7)

**SPECIFICATIONS**

GREEN BACK STANDARD SPECIFICATIONS (RTU-ED)  
 DOC. NO. 7256-3, FILED MAY 10, 1974

**STANDARD DRAWINGS**

REGIONAL STANDARD DRAWINGS (DEC 1975 ED)  
 DOC. NO. 7557-19, FILED JUNE 24, 1976  
 DOC. NO. 7558-13, FILED FEB 24, 1977

**REFERENCE DRAWINGS**

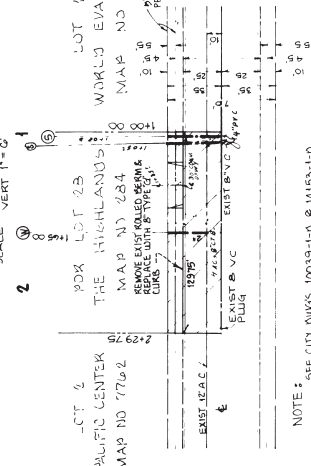
19255-1-0, 14193-1 & 2-0, 10039-1-0

**NOTES**

1. PRIOR TO MIXING WITH CHEMICAL ADJUTANT OR ALL MAJOR AGGREGATE USED FOR THE PRODUCTION OF CEMENT TREATED BASE SHALL HAVE A SAND EQUIVALENT OF NOT LESS THAN 30 WHEN TESTED BY CALIFORNIA DIVISION OF HIGHWAYS TEST METHOD NO. CALIFORNIA 517

**PROFILE - MERCURY STREET**

SCALE: HORIZ. 1"=60' VERT. 1"=8'-0"



NOTE: SEE CITY DWGS. 10039-1-0 & 14193-1-0 FOR EXIST IMPROV IN MERCURY STREET

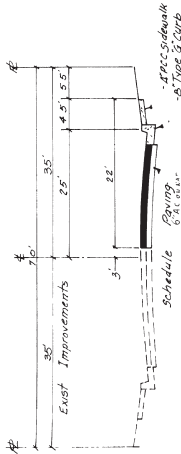
**MERCURY STREET**

SCALE: 1"=40'

Contractor hereafter shall assume full and complete responsibility for all work shown on these plans and for the proper and safe execution of all work shown thereon. The Contractor shall be responsible for the safety of all workers and for the protection of all existing utilities and structures. The Contractor shall be responsible for the safety of all workers and for the protection of all existing utilities and structures. The Contractor shall be responsible for the safety of all workers and for the protection of all existing utilities and structures.

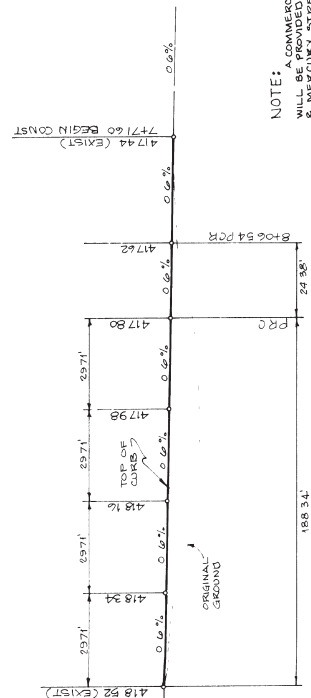
**PRIVATE CONTRACT**  
**ENGINEER OF WORK**  
 HOGAN, CRAIG & ASSOCIATES

BEFORE EXCAVATING, VERIFY LOCATION OF UNDERGROUND UTILITIES - CONTACT GAS & ELECTRIC CO. 239-9370 TELEPHONE CO. & FIRE ALARM 134-3400 WATER & SEWER 134-3400 COMMUNITY DEVELOPMENT DIVISION 134-3400 BUILDINGS AND IRRIGATION 134-3400	
CITY OF SAN DIEGO, CALIFORNIA PROJECT NO. 17925-1-0 SHEET NO. 17925-1-0	DATE: 7-21-77 DRAWN BY: M. J. [unclear] CHECKED BY: [unclear] APPROVED BY: [unclear]
CONTRACTOR: M. J. [unclear] ADDRESS: [unclear]	CONTRACT NO.: 17925-1-0 DATE OF CONTRACT: 7-21-77



**TYPICAL SECTION BUCKHORN STREET**

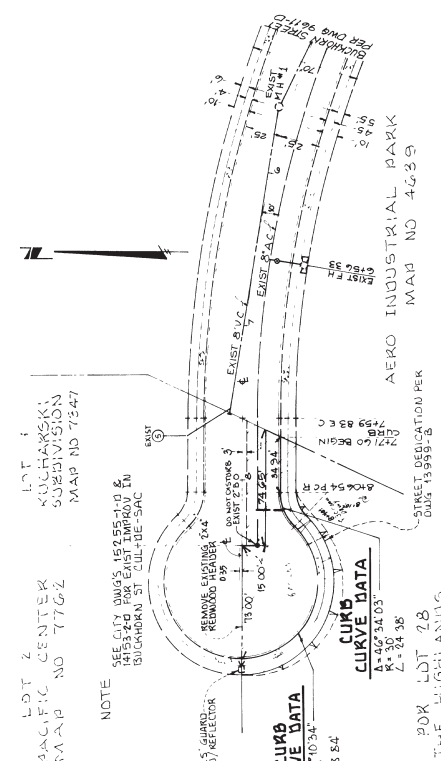
No. 3221e



NOTE: COMMERCIAL CUL-DE-SAC WILL BE PROVIDED FROM BUCKHORN & MERCURY STREETS. LOCATION WILL BE DETERMINED IN FIELD

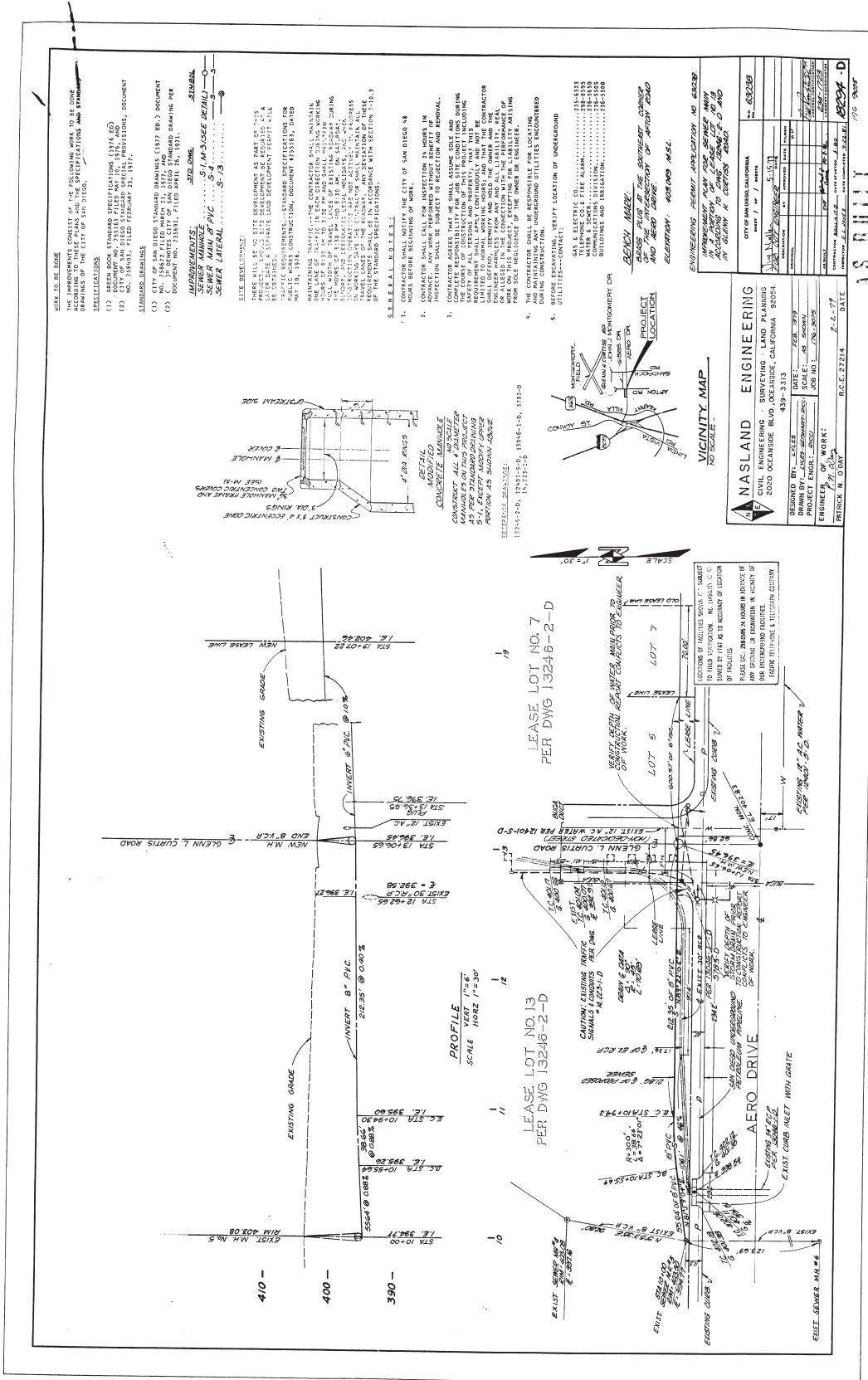
**PROFILE - CUL-DE-SAC**

SCALE: HORIZ. 1"=60' VERT. 1"=8'-0"



**BUCKHORN STREET**

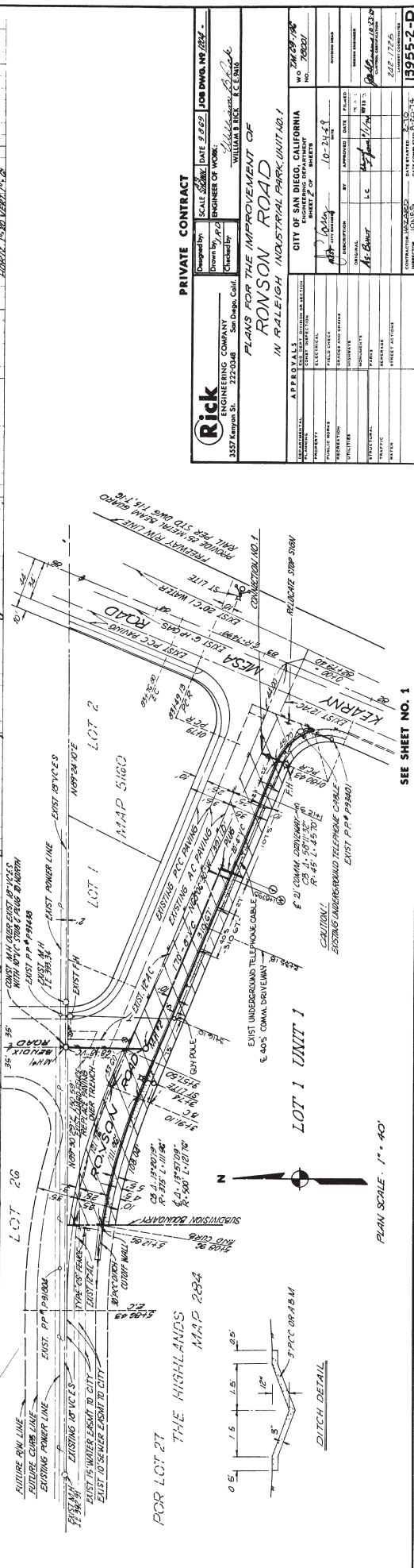
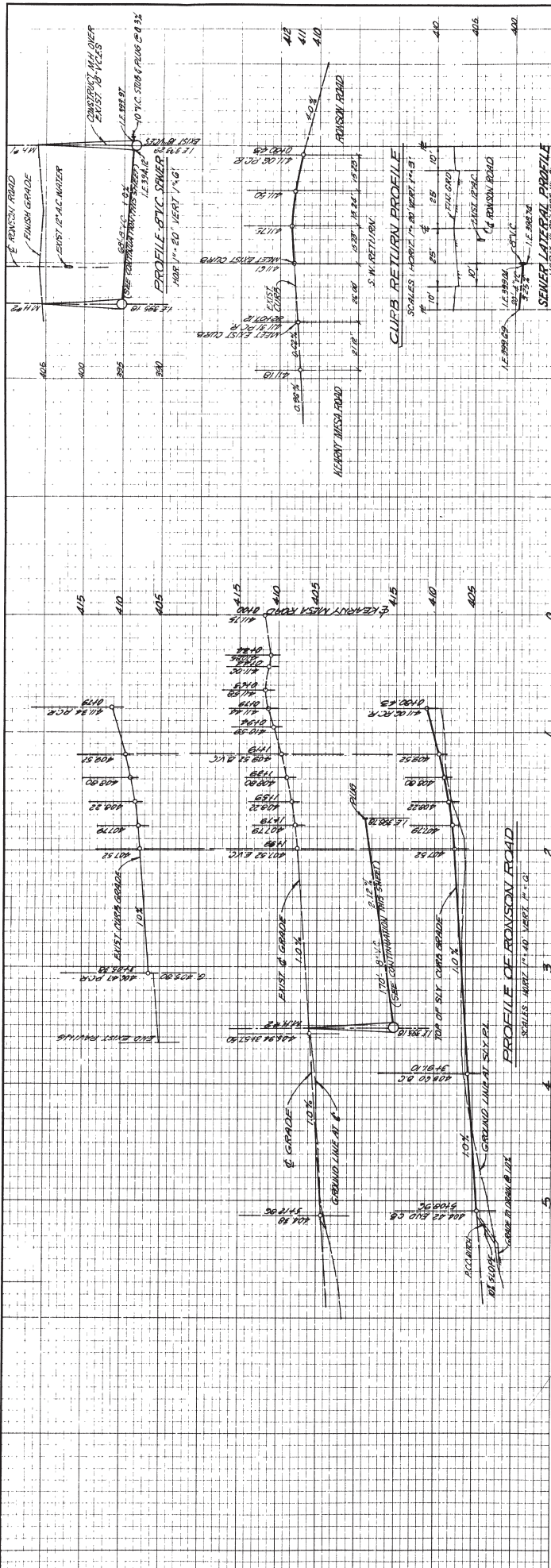
SCALE: 1"=40'











**PRIVATE CONTRACT**

Prepared by: **Rick Engineering Company**  
 3357 Kuykendall St., San Diego, Calif.

Scale: **AS SHOWN** (SHEET 2 OF 2)  
 Date: **NOV 20 2008**

Drawn by: **J.P.Z.**  
 Checked by: **William J. Rick**

**PLANS FOR THE IMPROVEMENT OF ROMANSON ROAD**  
 IN RALEIGH INDUSTRIAL PARK, UNIT NO. 1

CITY OF SAN DIEGO, CALIFORNIA  
 SHEET NO. **19955-2-D**

APPROVALS:	DATE
DESIGNED BY: <b>J.P.Z.</b>	10-24-08
CHECKED BY: <b>W.J.R.</b>	11-20-08
DATE OF SHEET:	
PROJECT NO.:	
PROJECT NAME:	
PROJECT LOCATION:	
PROJECT TYPE:	
PROJECT STATUS:	
PROJECT OWNER:	
PROJECT CONTRACT NO.:	
PROJECT CONTRACT DATE:	
PROJECT CONTRACT VALUE:	
PROJECT CONTRACT TYPE:	
PROJECT CONTRACT NO.:	
PROJECT CONTRACT DATE:	
PROJECT CONTRACT VALUE:	
PROJECT CONTRACT TYPE:	

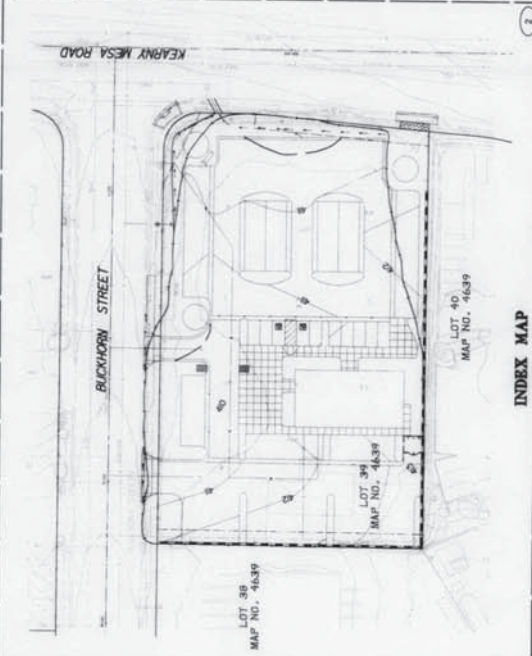


# KEARNY MESA TOYOTA RESALE

## TEMPORARY EROSION CONTROL NOTES

1. BEFORE ANY CONSTRUCTION BEGINS, THE CONTRACTOR AS INDICATED ON SHEET 1 OF THIS SET SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
2. THE CONTRACTOR SHALL CHECK AND MAINTAIN DITCHES AFTER EACH RAINFALL.
3. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
4. EQUIPMENT AND WORKERS FOR EROSION CONTROL SHALL BE MADE AVAILABLE AT ALL TIMES THROUGHOUT THE PROJECT.
5. THE SLOPE OF THE PLAN SHALL BE MAINTAINED OR IMPROVED WITHOUT EROSION CONTROL DEVICES.
6. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
7. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
8. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.

9. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
10. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
11. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
12. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
13. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
14. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
15. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
16. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
17. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
18. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
19. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.
20. THE CONTRACTOR SHALL CONSTRUCT A LINE OF EROSION CONTROL DEVICES TO PROTECT EXISTING ADJACENT PROPERTIES AND THE ADJACENT WATERWAYS.



## SITE GRADING

1. ALL GRADING SHALL BE DONE UNDER THE SUPERVISION OF A QUALIFIED SOILS ENGINEER WHO SHALL BE RESPONSIBLE FOR THE OBSERVATION AND RECORDING OF ALL GRADING OPERATIONS AND ALL TESTS REQUIRED BY THIS SPECIFICATION.
2. THE FILL SHALL BE PLACED IN ACCORDANCE WITH THE RECOMMENDED GRADING AND ALL TESTS REQUIRED BY THIS SPECIFICATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND UTILITIES.
4. ALL GRADING SHALL BE DONE UNDER THE SUPERVISION OF A QUALIFIED SOILS ENGINEER WHO SHALL BE RESPONSIBLE FOR THE OBSERVATION AND RECORDING OF ALL GRADING OPERATIONS AND ALL TESTS REQUIRED BY THIS SPECIFICATION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OBSERVATION AND RECORDING OF ALL GRADING OPERATIONS AND ALL TESTS REQUIRED BY THIS SPECIFICATION.

## BENCH MARK

GRADING QUANTITIES ARE ESTIMATED FOR BONDING AND ARE NOT TO BE USED FOR FINAL PAY QUANTITIES.

## GENERAL NOTES

1. DURING CONSTRUCTION OF THE PROJECT SITE AND ADJACENT STREETS SHALL BE KEPT WITH A STREET SWEEPER FOR DUST CONTROL MEASURES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE THROUGHOUT THE DURATION OF THE PROJECT FOR MAINTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND UTILITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND UTILITIES.
4. ALL GRADING SHALL BE DONE UNDER THE SUPERVISION OF A QUALIFIED SOILS ENGINEER WHO SHALL BE RESPONSIBLE FOR THE OBSERVATION AND RECORDING OF ALL GRADING OPERATIONS AND ALL TESTS REQUIRED BY THIS SPECIFICATION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OBSERVATION AND RECORDING OF ALL GRADING OPERATIONS AND ALL TESTS REQUIRED BY THIS SPECIFICATION.

## GRADING NOTES

1. SECTION 28000 SHALL BE USED FOR ALL GRADING AND RELATED WORK.
2. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT EXISTING ADJACENT PROPERTIES AND UTILITIES FROM POLLUTANTS TO SURFACE WATERS, BATTERIES, WATERS, MANHOLE STORM SEWER AND STORM WATER FROM POLLUTANTS AND SEDIMENT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OBSERVATION AND RECORDING OF ALL GRADING OPERATIONS AND ALL TESTS REQUIRED BY THIS SPECIFICATION.
4. ALL GRADING SHALL BE DONE UNDER THE SUPERVISION OF A QUALIFIED SOILS ENGINEER WHO SHALL BE RESPONSIBLE FOR THE OBSERVATION AND RECORDING OF ALL GRADING OPERATIONS AND ALL TESTS REQUIRED BY THIS SPECIFICATION.

## WORK TO BE DONE

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

## STANDARD SPECIFICATIONS

1. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFFICE EDITION, JANUARY 1989, AS AMENDED.
2. STANDARD SPECIFICATIONS FOR SIGNALS, LIGHTING AND ELECTRICAL SYSTEMS OF THE CITY OF SAN DIEGO, DOCUMENT NO. 793840, FILED OCTOBER 22, 1999.
3. STANDARD SPECIFICATIONS FOR MAINTENANCE WORK ZONES, VEHICULAR EQUIPMENT, FILED JANUARY 24, 2000.
4. STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, STANDARD SPECIFICATIONS, 1992 EDITION, 1993, DOCUMENT NO. TIR200, FILED JULY 9, 1992.

## STANDARD DRAWINGS

1. CITY OF SAN DIEGO STANDARD DRAWINGS, DOCUMENT NO. 793840, FILED JULY 26, 2000.
2. STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD DRAWINGS, JANUARY 1982, DOCUMENT NO. 793840, FILED JULY 9, 1992.

## LEGEND



## SPECIAL NOTES

1. THE FOLLOWING NOTES ARE PROVIDED TO THE CONTRACTOR BY THE ENGINEER AND SHALL BE READ AND UNDERSTOOD BY THE CONTRACTOR AND SHALL BE RESPONSIBLE FOR THEIR ENFORCEMENT.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OBSERVATION AND RECORDING OF ALL GRADING OPERATIONS AND ALL TESTS REQUIRED BY THIS SPECIFICATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OBSERVATION AND RECORDING OF ALL GRADING OPERATIONS AND ALL TESTS REQUIRED BY THIS SPECIFICATION.

PRIVATE CONTRACT  
**GRADING PLANS FOR KEARNY MESA TOYOTA RESALE**  
 CITY OF SAN DIEGO, CALIFORNIA  
 W.D. NO. 40071  
 SHEET NO. 1 OF 1  
 PREPARED BY: [Signature]  
 CHECKED BY: [Signature]  
 DATE: 2/15/01  
 SCALE: AS SHOWN  
 PROJECT NO.: 30805-3-D

**DECLARATION OF RESPONSIBLE ENGINEER**  
 I HEREBY DECLARE THAT I AM THE ENGINEER OF RECORD FOR THIS PROJECT, THAT I HAVE EXAMINED THE PLANS AND SPECIFICATIONS FOR THIS PROJECT AND THAT THE DESIGN IS IN ACCORDANCE WITH THE CITY ENGINEERING DEPARTMENT AND THE CITY OF SAN DIEGO. I AM NOT PROVIDING ANY DESIGN OR CONSULTING SERVICES AS AN ENGINEER OF RECORD OR AS A CONSULTANT FOR THIS PROJECT.

[Signature]  
 PROFESSIONAL ENGINEER  
 CIVIL  
 No. 61814  
 EXPIRES 12/31/02  
 DATE: 2/15/01  
 PHONE NO.: 618-450-0444

**AS-BUILT**  
 FILED FROM THE ORIGINAL. BEST QUALITY AVAILABLE. EXCLUSIVE CHART MATRICKS/ROADS BUT CHASE A LEASE QUALITY REPRODUCTION.  
 PROJECT NO. 30805-3-D

FOR SCALE, FILE SEE CITY RECORDS 3-40071

PROFESSIONAL ENGINEER (Stamp)  
 CIVIL  
 No. 61814  
 EXPIRES 12/31/02

UNDERGROUND SERVICE ALERT: 800-422-6833  
 FACILITIES MAINTENANCE DEPARTMENT: 619-357-7900  
 PARK AND RECREATION DEPARTMENT: 619-235-8779

**RICK ENGINEERING COMPANY**  
 11800  
 11800  
 SAN DIEGO, CALIFORNIA 92121







CITY OF SAN DIEGO, CALIFORNIA

GIBBS MUNICIPAL AIRPORT

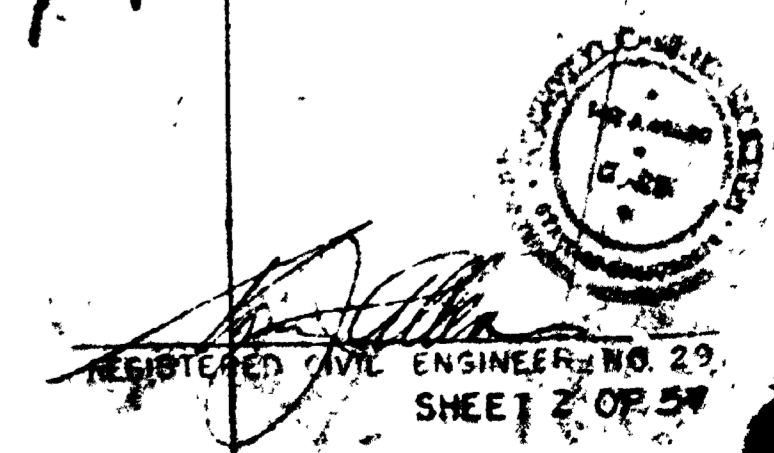
SUMMARY OF QUANTITIES OF MAJOR ITEMS (AS CONSTRUCTED)

ITEM	QUANTITIES	
CLEARING AND GRUBBING	185	ACRES
EXCAVATION	296,203	CU-YDS
BURIAL	19,234	CU-YDS
PIPE FOR STORM DRAINAGE LINES		
12" DIAM - REINFORCED CONCRETE	550	LIN-FT.
18" DIAM	525	LIN-FT.
24" DIAM	1,230	LIN-FT.
24" DIAM (EXTRA STR)	104	LIN-FT.
30" DIAM	104	LIN-FT.
36" DIAM	540	LIN-FT.
42" DIAM	275	LIN-FT.
48" DIAM	15.5	CU-YDS
EXCAVATION & FACILITY DRAINAGE STRUCTURES	1080	CU-YDS
CATCH BASINS FOR STORM DRAINAGE LINES	6	EA
EXCAVATION & PAVING BACKFILL FOR DRAIN WELLS	40	CU-YDS
SANITARY SEWER		
8" V.P. SEWER PIPE	4,250	LIN-FT.
MANHOLES & APPURTENANCES	9	EA
5" V.P. SEWER PIPE	1	EA
SEWER POOL & APPURTENANCES	1	EA
WATER DISTRIBUTION		
8" CAST IRON WATER MAIN	5,100	LIN-FT.
FIRE HYDRANTS & APPURTENANCES	5	EA
WATER VALVES	4	EA
UNDERGROUND CONDUITS	3	EA
UNDERGROUND CONDUITS		
3" DUCT-2" CONDUIT	2,289	LIN-FT.
CONDUIT	410	LIN-FT.
CONDUIT SECTION	220	LIN-FT.
FENCING		
WOOD PICKET	800	LIN-FT.
CLASS A	10,485	LIN-FT.
DRIVEWAY GATE CLASS A-14-0	2	EA
PAVING - RUNWAYS & TAXIWAYS	154,104	SQ YDS
PAVING - APRON	14,500	SQ YDS
PAVING - ROADWAY	13,597	SQ YDS
PAVING - CAR PARKING AREA	12,759	SQ YDS
SEGMENTED CIRCLE MARKERS - WIND CONE - WIND TEE	1	EA
UNDERGROUND CABLE - TRENCHING	1,610	LIN-FT.
FURNISHING & INSTALLING - TYPE IIC - 600V #8-2 CONDUCTOR	3,650	LIN-FT.

INDEX TO DRAWINGS

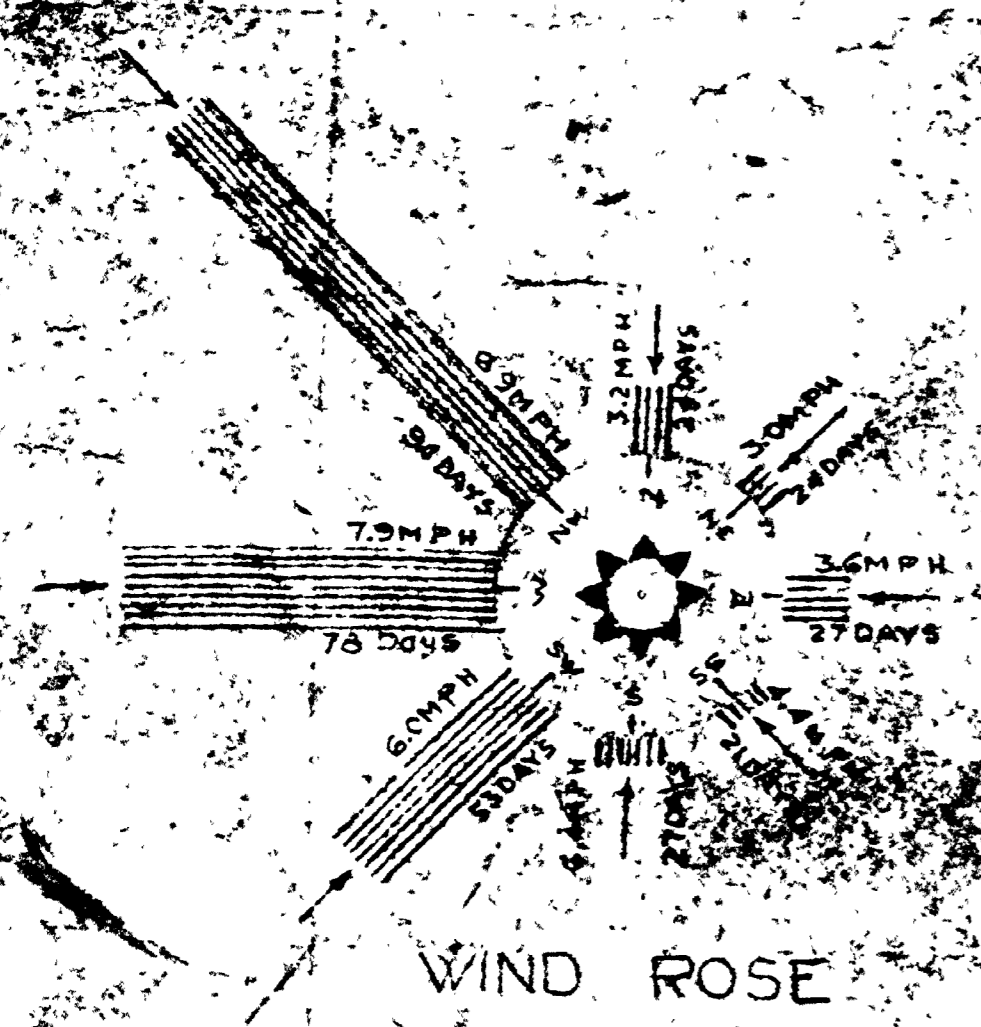
TITLE	SHEET NO.
TITLE AND APPROVAL SHEET	1
INDEX AND SUMMARY OF QUANTITIES OF MAJOR ITEMS	2
LOCATION MAP	3
MASTER PLAN	4
LAYOUT PLAN	5
COORDINATE SYSTEM	6
LOT LAYOUT PLAN	7
CLEARING PLAN	8
EXCAVATION	9
GRADING DISSECTION PLAN	10
W/S W/ LINE RUNWAY PROFILE	11A
W/S W/ E LINE RUNWAY PROFILE	11A
TAXIWAY PROFILES	13A
GRADING AND DRAINAGE PLAN	14
STORM DRAINAGE LINES	15A
DRAINAGE CATCH BASINS & HEADWALLS	16
SEWER LAYOUT MANHOLES	17 & 17
SEPTIC TANK & CESSPOOL	18
FIRE HYDRANT & THROUST BLOCKS ECT	19
PAVING & DUCT PLAN	20
FENCING DETAILS	21
CROSS SECTIONS	22 TO 22-1
CONSTRUCTION PROJECT SIGN	27

14927-L



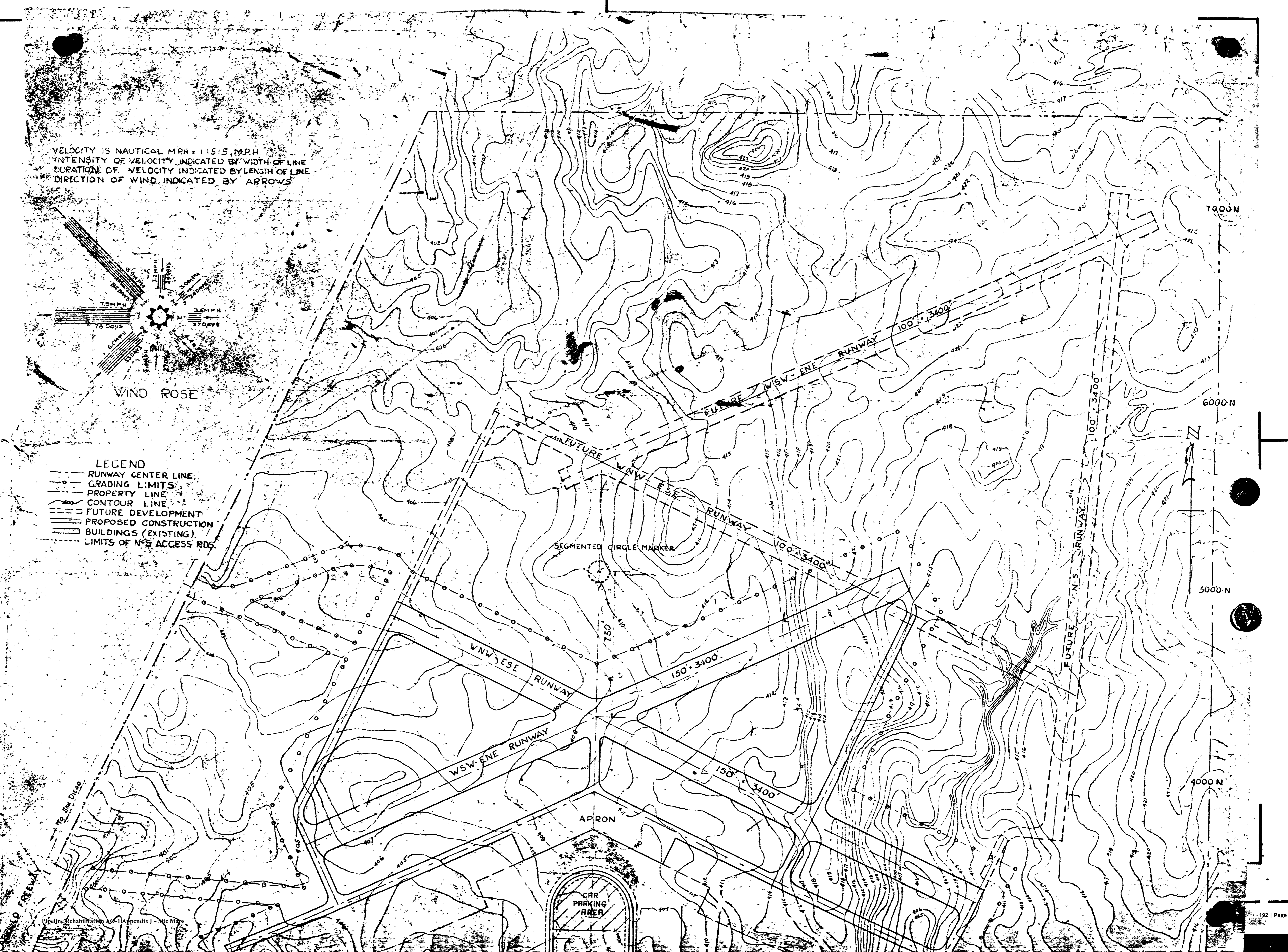


VELOCITY IS NAUTICAL MPH = 1.1515 M.P.H.  
 INTENSITY OF VELOCITY INDICATED BY WIDTH OF LINE  
 DURATION OF VELOCITY INDICATED BY LENGTH OF LINE  
 DIRECTION OF WIND INDICATED BY ARROWS



WIND ROSE

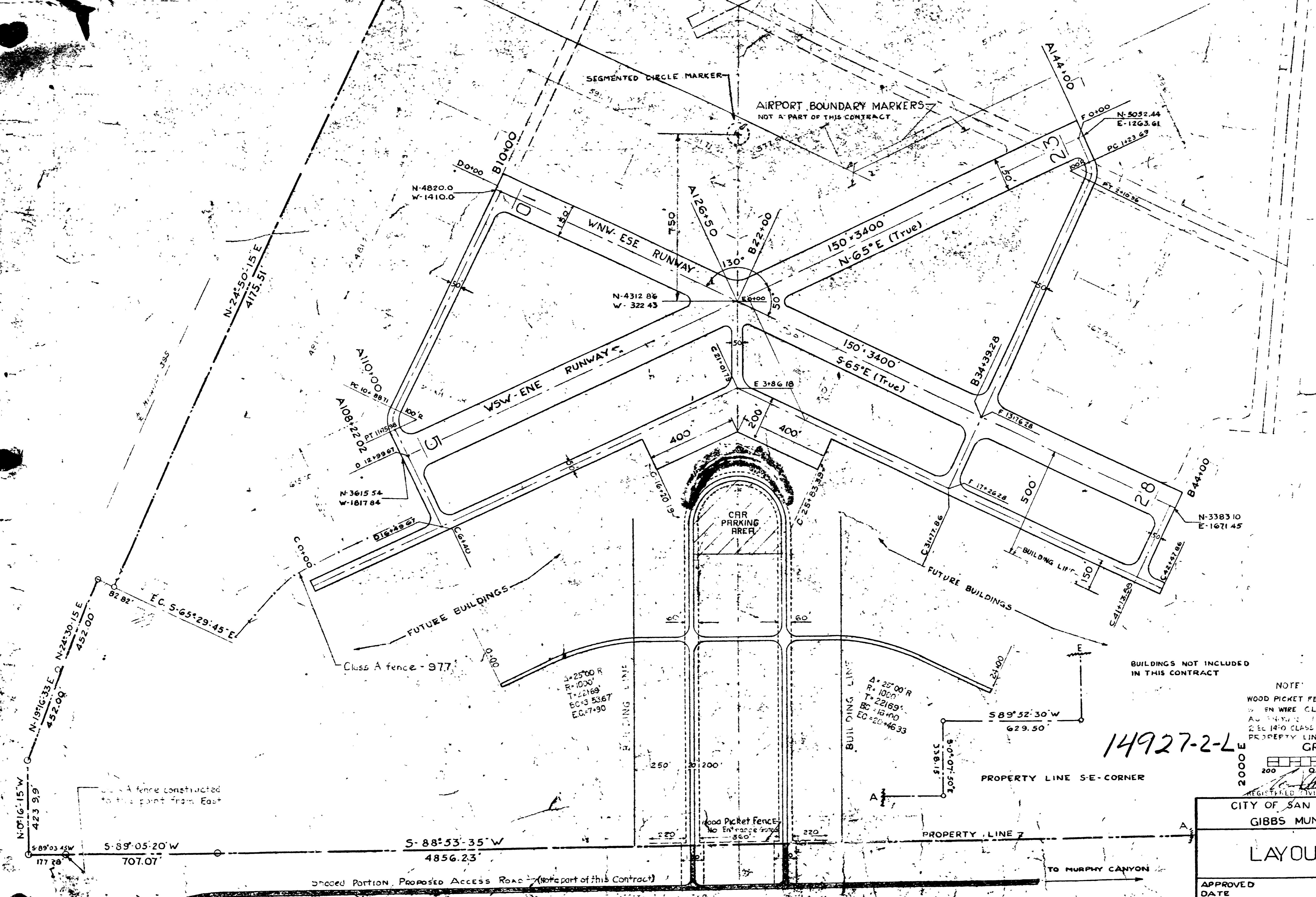
- LEGEND**
- RUNWAY CENTER LINE
  - - - GRADING LIMITS
  - PROPERTY LINE
  - CONTOUR LINE
  - - - FUTURE DEVELOPMENT
  - PROPOSED CONSTRUCTION
  - BUILDINGS (EXISTING)
  - LIMITS OF N'S ACCESS RDS





1" = 100'

RUNWAY & TAXWAY FILLED  
WITH ASPHALT TO BE USED FOR  
REPAIRS TO EXISTING RUNWAY



14927-2-L

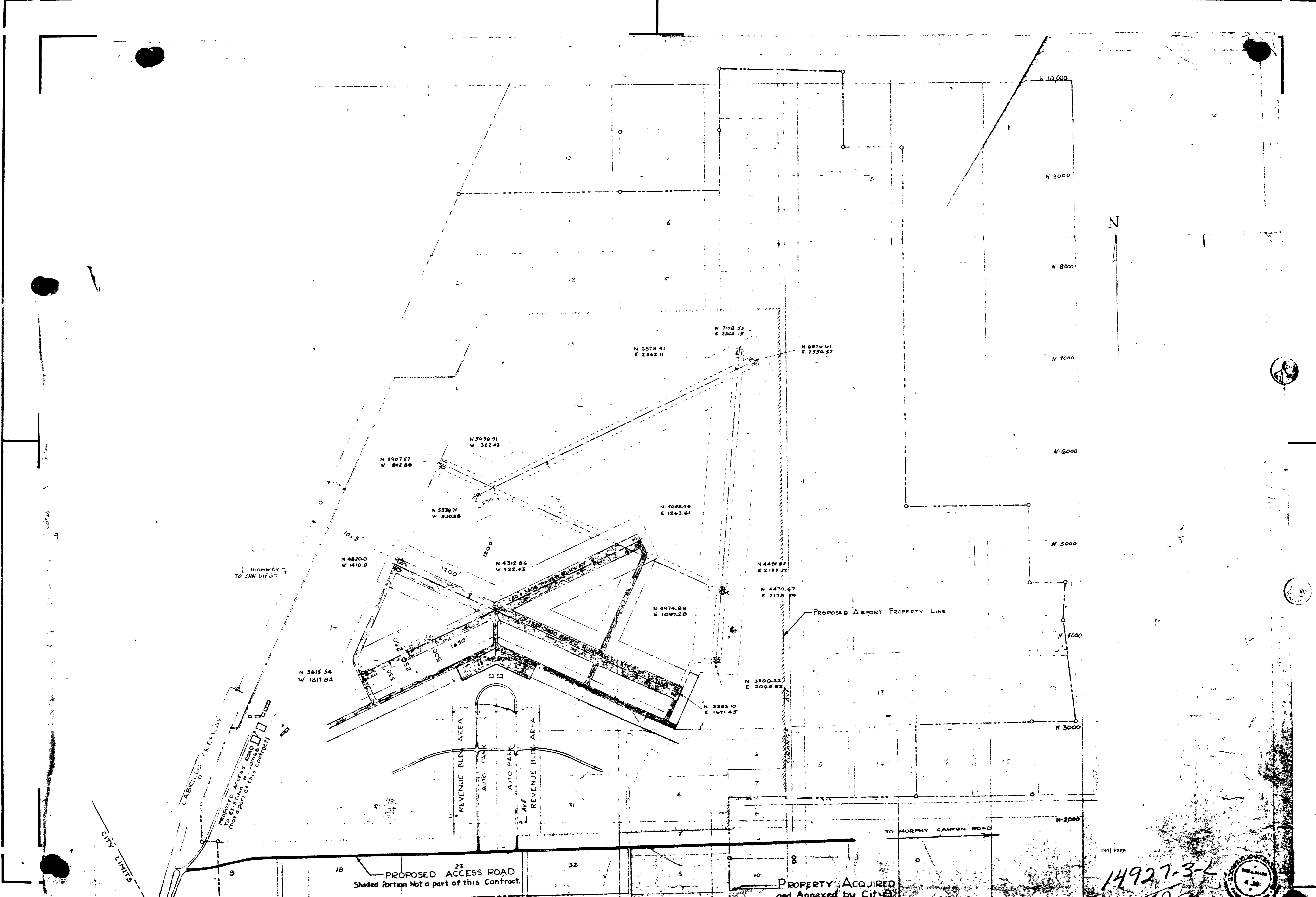
BUILDINGS NOT INCLUDED  
IN THIS CONTRACT

NOTE:  
WOOD PICKET FENCE AS SHOWN 500 LIN FT  
W/ 16 WIRE CLASS A FENCE  
AS SHOWN 150 LIN FT  
2" EC 14" CLASS A FENCE BATTLED ON NORTH  
PROPERTY LINE AS SHOWN

GRAPHIC SCALE  
IN FEET  
REGISTERED CIVIL ENGINEER NO. 10000

CITY OF SAN DIEGO, CALIFORNIA	
GIBBS MUNICIPAL AIRPORT	
<b>LAYOUT PLAN</b>	
APPROVED DATE	CITY MANAGER
APPROVED DATE	CITY PLANNING DIRECTOR
CHECKED	DRAWN BY J.K. Peters
DATE-MARCH 1948 SHEET 5 OF 57	

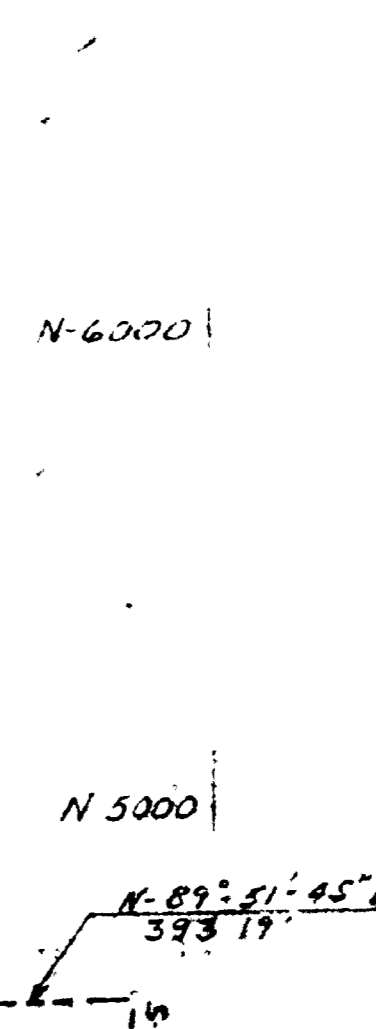
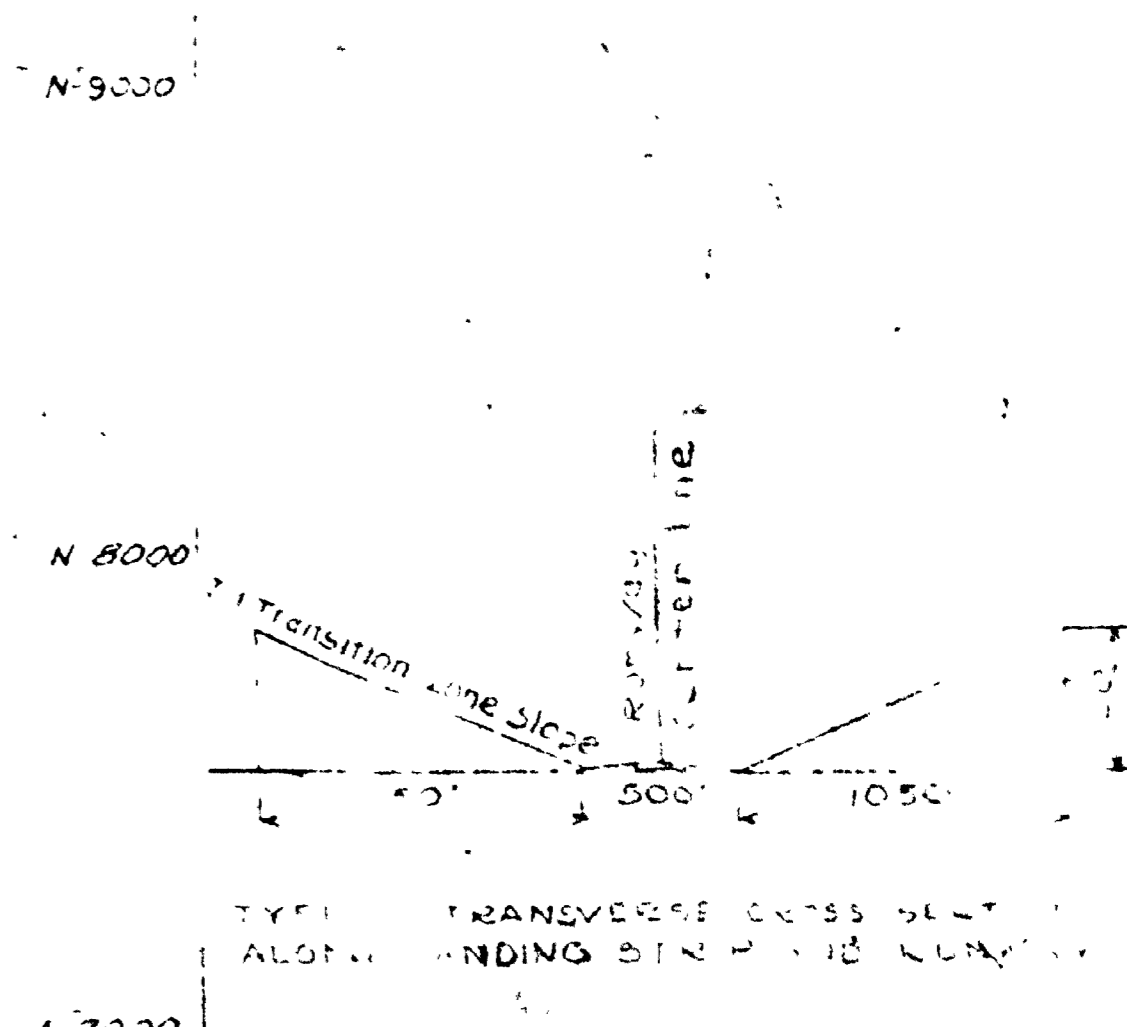
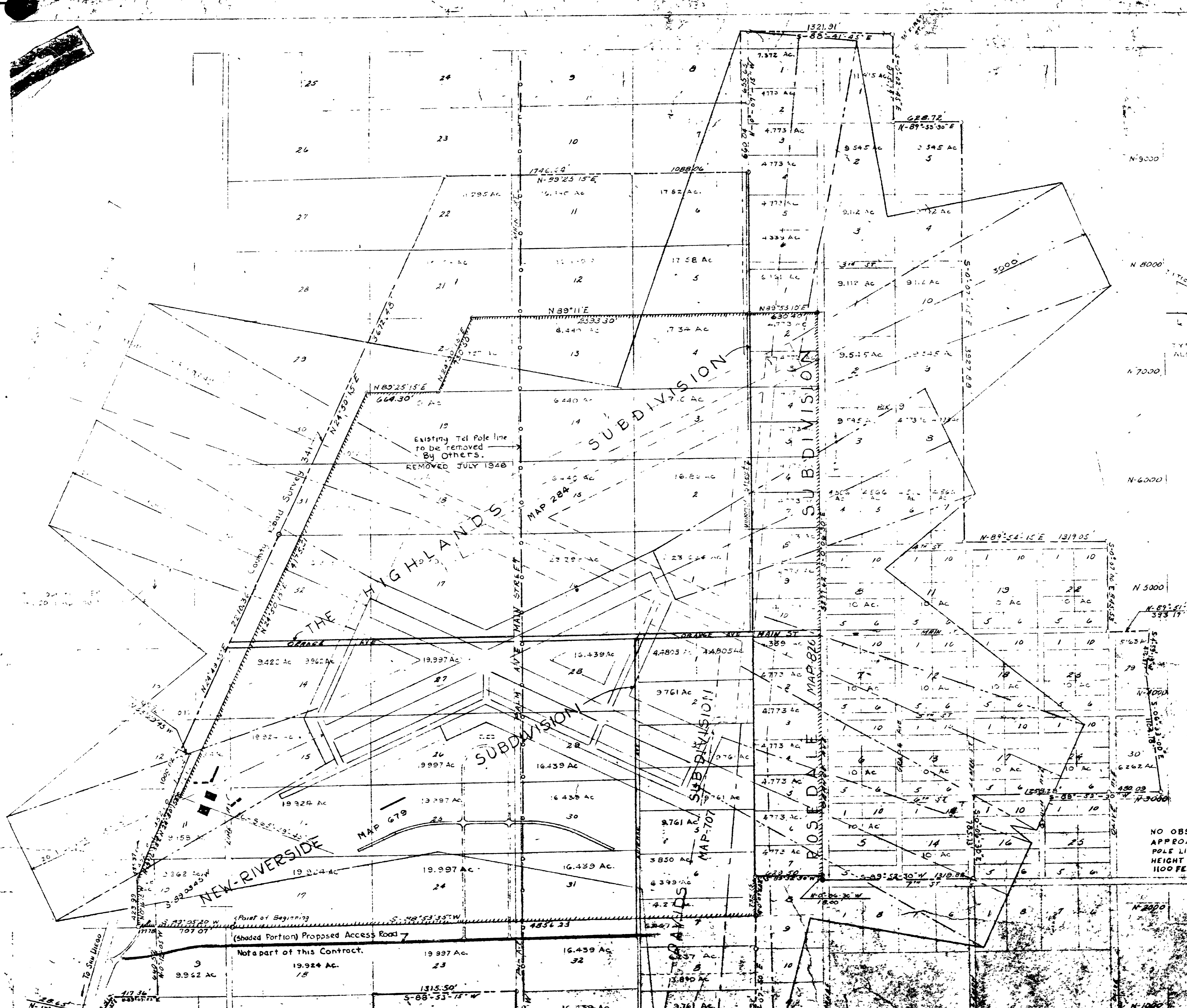




14927-3-4



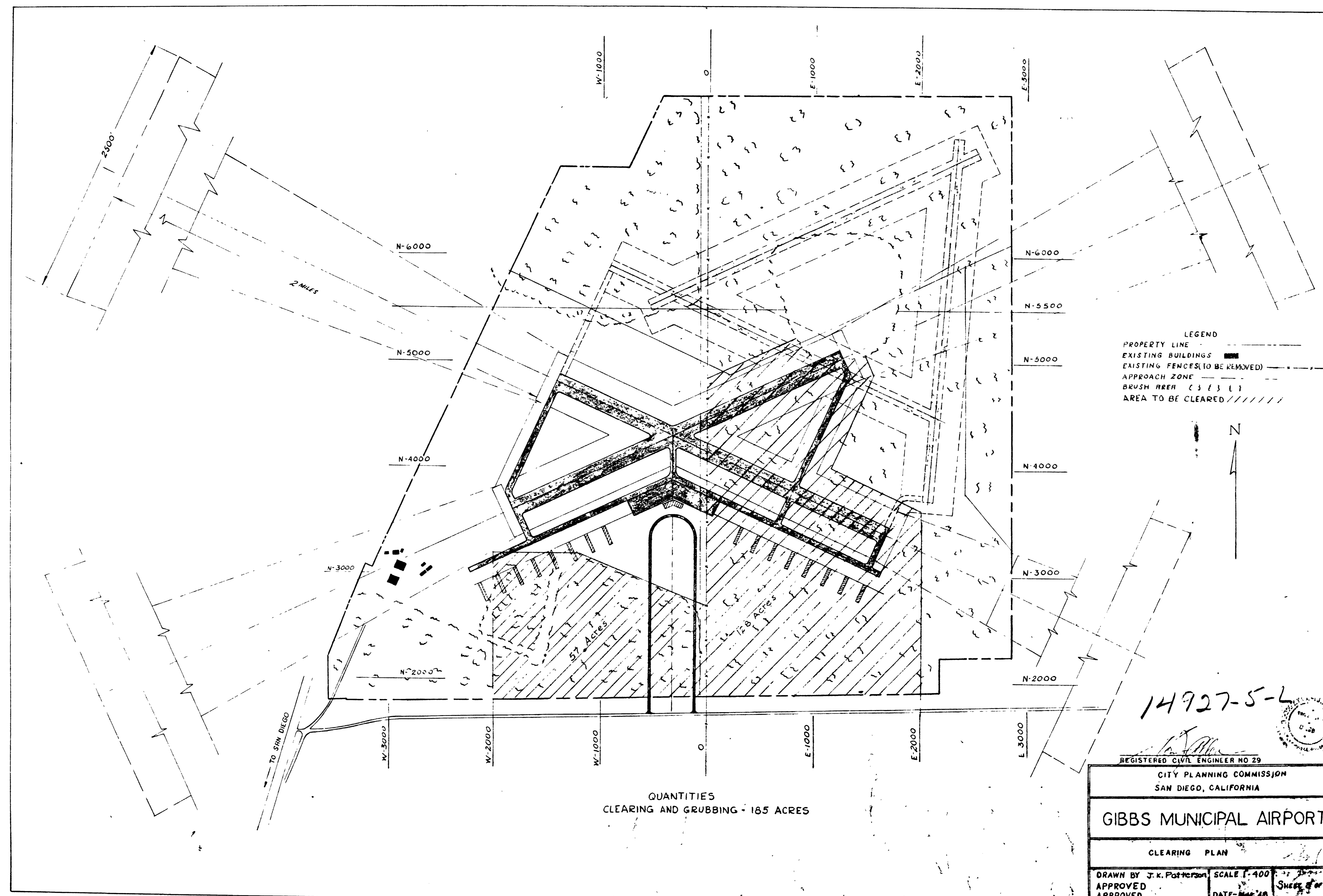




**NOTE**  
 NO OBSTACLES EXISTENT WITHIN ANY APPROACH ZONE, EXCEPT TELEPHONE POLE LINE WHICH HAS BEEN REMOVED. MAXIMUM HEIGHT OF BUILDINGS SHOWN IS 30 FEET, 100 FEET FROM END OF RUNWAY.

14927-4-2  
 REGISTERED CIVIL ENGINEER NO. 20  
 CITY ENGINEER  
 SAN DIEGO, CALIFORNIA





QUANTITIES  
CLEARING AND GRUBBING - 185 ACRES

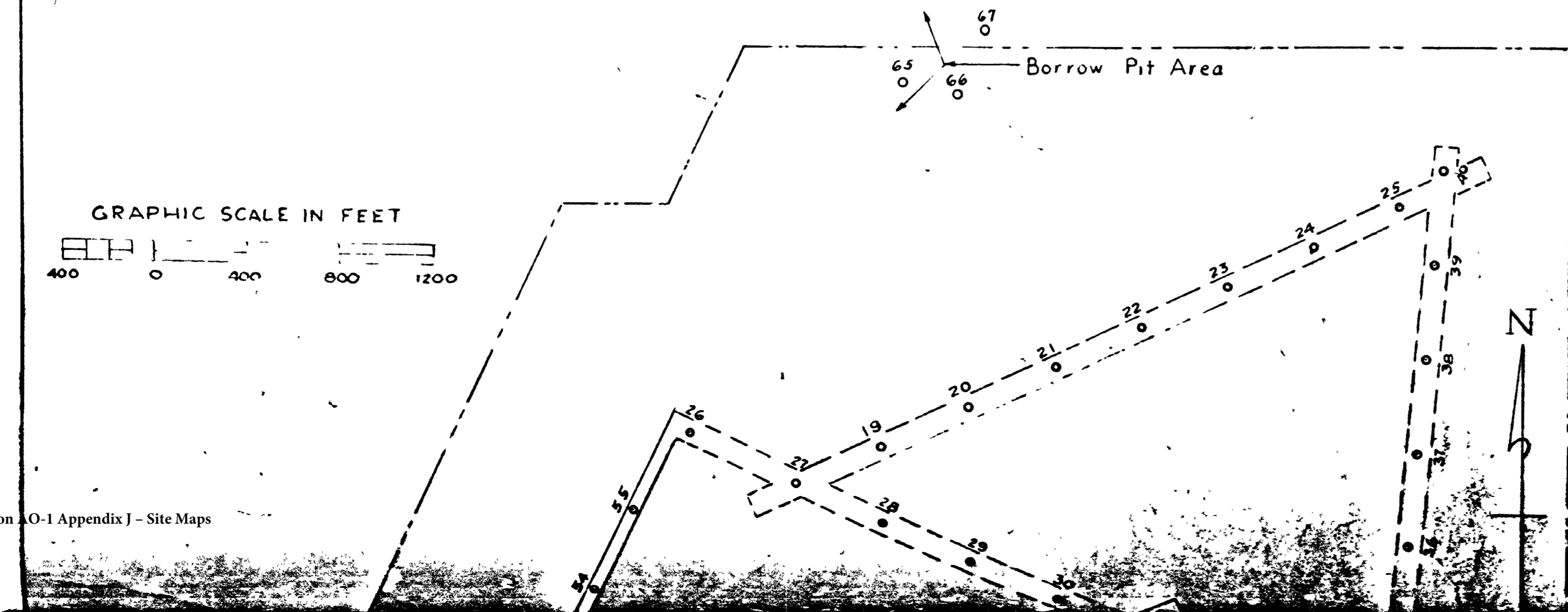
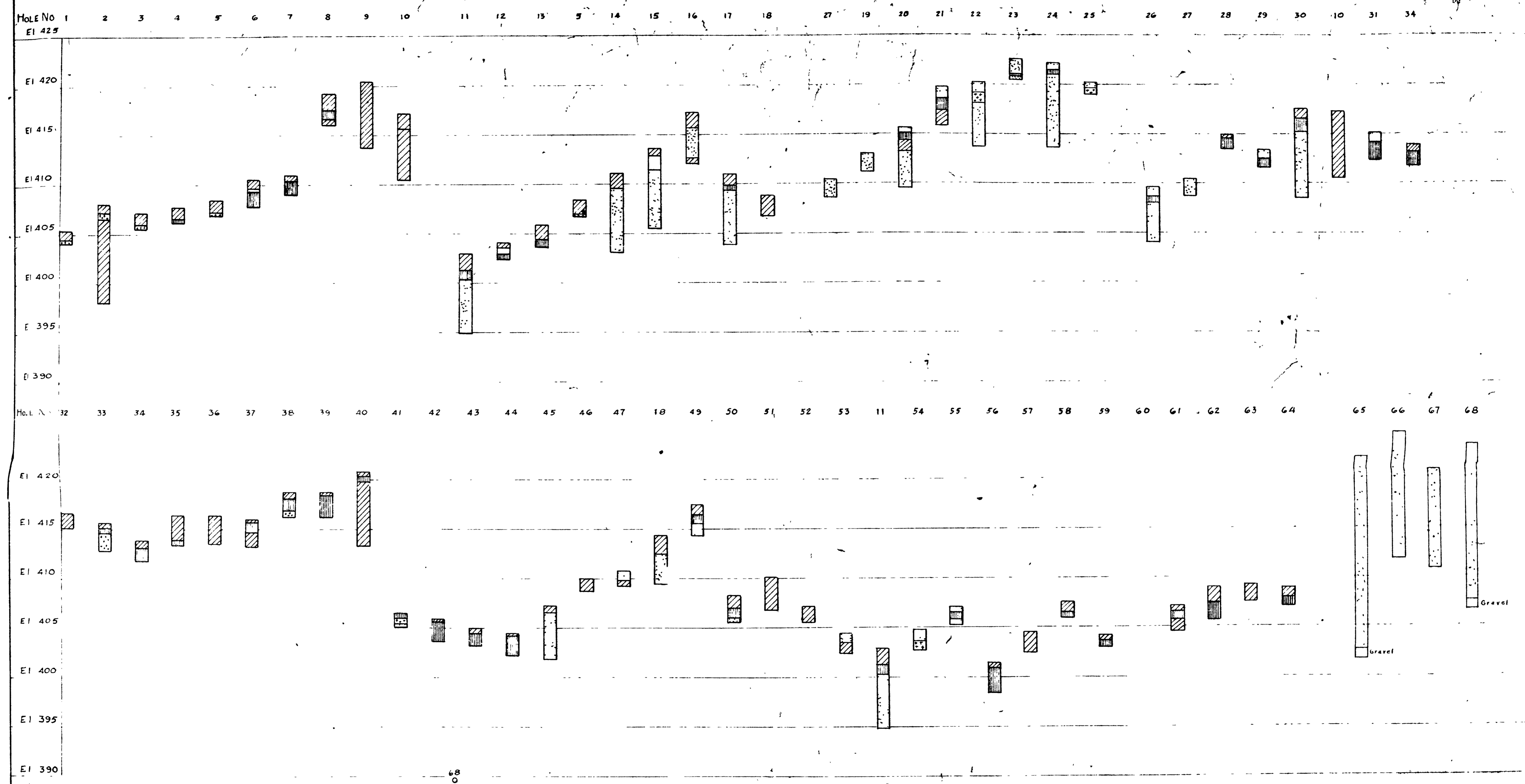
LEGEND  
 PROPERTY LINE  
 EXISTING BUILDINGS  
 EXISTING FENCES (TO BE REMOVED)  
 APPROACH ZONE  
 BRUSH AREA  
 AREA TO BE CLEARED

14927-5-2  
 REGISTERED CIVIL ENGINEER NO 29

CITY PLANNING COMMISSION SAN DIEGO, CALIFORNIA	
<b>GIBBS MUNICIPAL AIRPORT</b>	
CLEARING PLAN	
DRAWN BY J. K. Patterson	SCALE 1" = 400'
APPROVED	DATE - Mar 48
APPROVED	SHEET 2 OF 52



# SOIL BORINGS



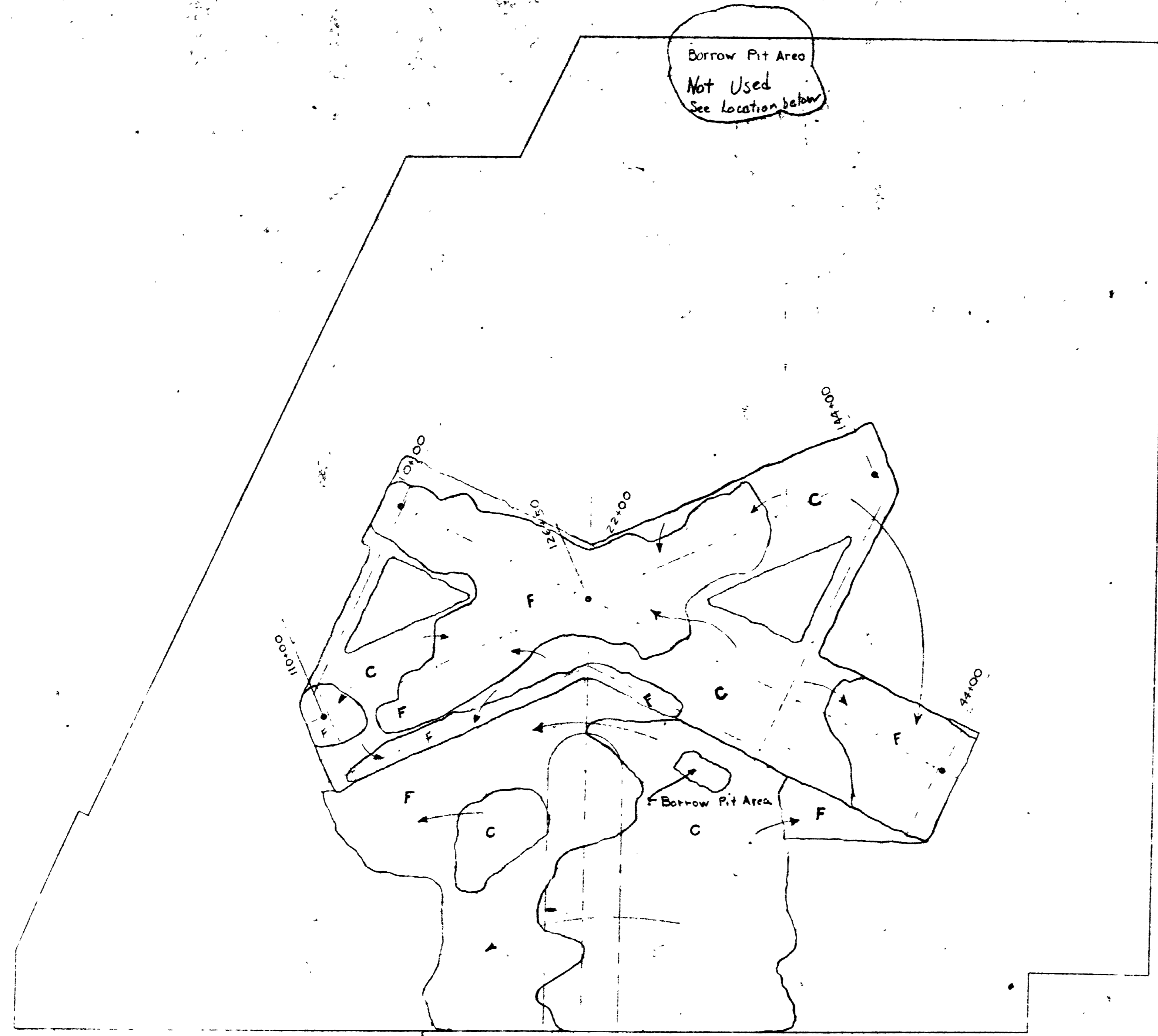
- LEGEND**
- E-1 Gravel and Sand
  - E-2 Sand
  - E-3a
  - ▨ E-3b Sandy Loam
  - E-4 Gravel, Sand, Silt, Clay
  - E-5 Sand and Silt
  - E-6 Silt and Clay
  - E-6 (Loess)
  - ▨ E-7 Sandy Clay Loam
  - E-8a Medium Clay & Silt
  - E-8b Clay and Silt

**RANGE OF SOIL CONSTANTS FROM LABORATORY TESTS**

SOIL GROUP NO. IN LAB.	CLASSIFICATION	SOIL IDENTITY	NO OF TESTS MADE	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	CALIFORNIA BEARING RATIO	C.B.R. DENSITY	OPTIMUM MOISTURE
	E-2	SAND		N.P.	N.P.	N.P.	56.5	128.4	7.6
	E-3-b	SANDY LOAM		12-15	5.5-7.6	6.5 - 7.4	31.0	134.3	9.5
	E-7	SANDY CLAY LM.		36	10.5-10.6	25.4-25.5			
	E-9	CLAY							

SOIL CEMENT

EMULSIONS



LEGEND  
 C - CUT  
 F - FILL

14927-7-L

REGISTERED CIVIL ENGINEER NO 29

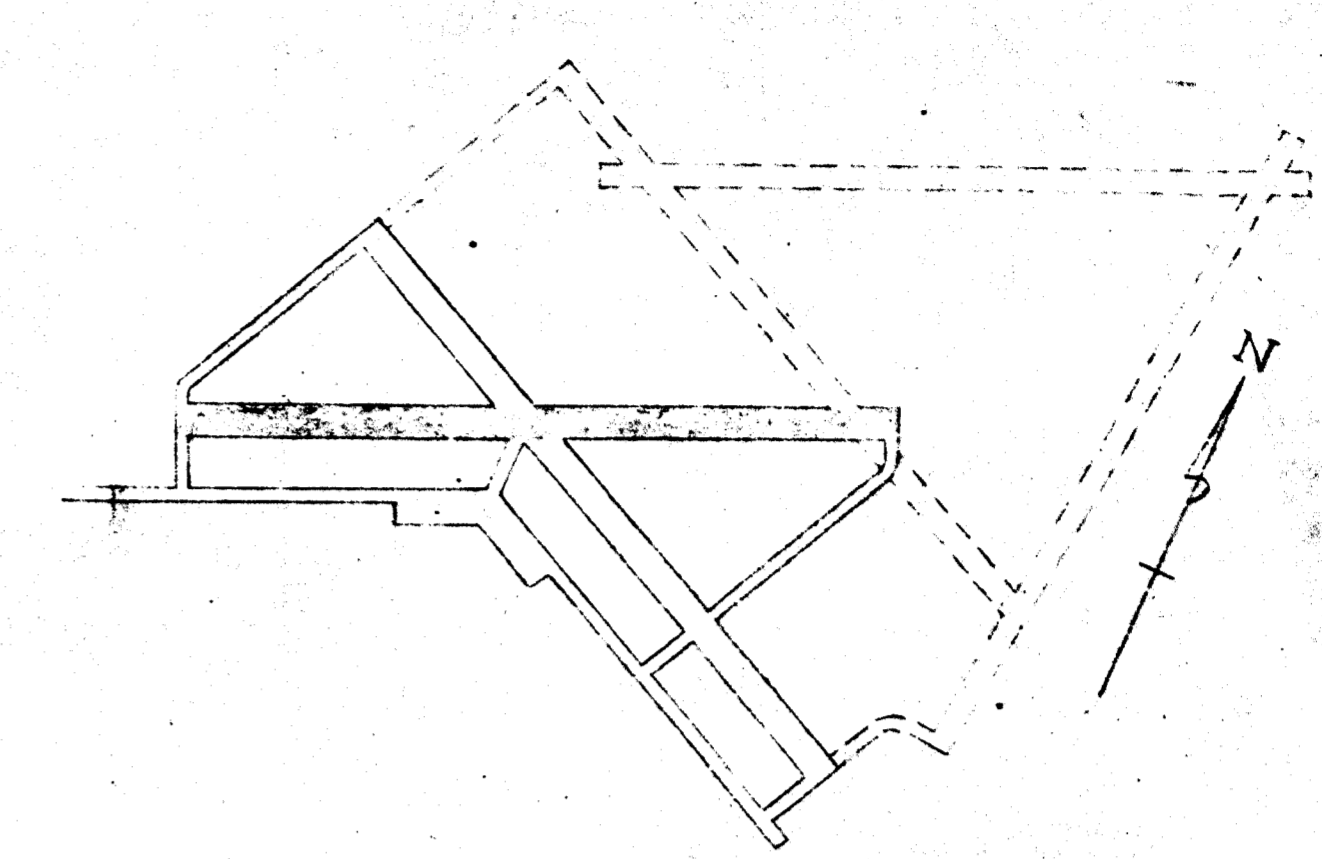
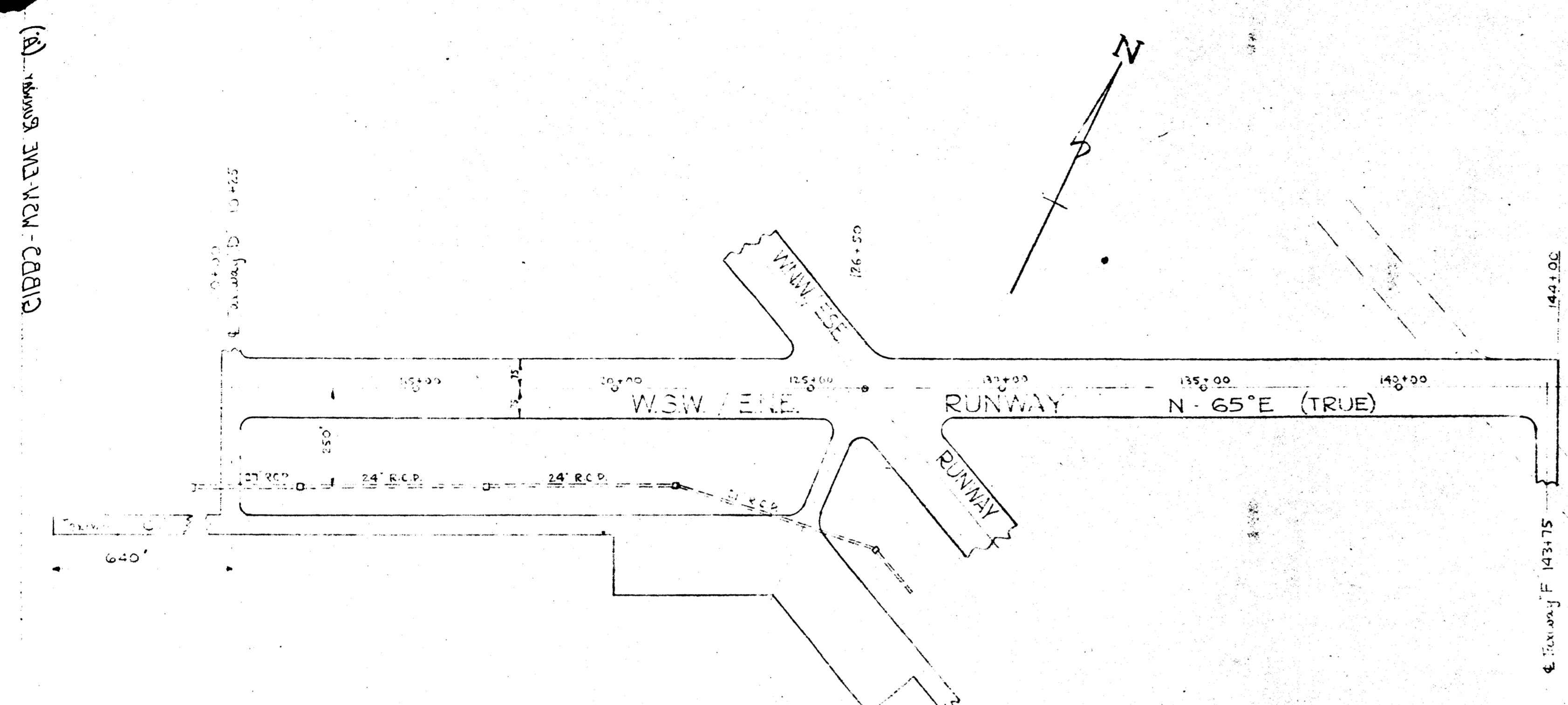
CITY PLANNING COMMISSION  
 SAN DIEGO, CALIFORNIA

GIBBS MUNICIPAL AIRPORT

GRADING DISTRIBUTION PLAN

DRAWN BY J.K. Peterson SCALE 1"=400'  
 APPROVED DATE - Mar 48 SHEET 10 OF 57

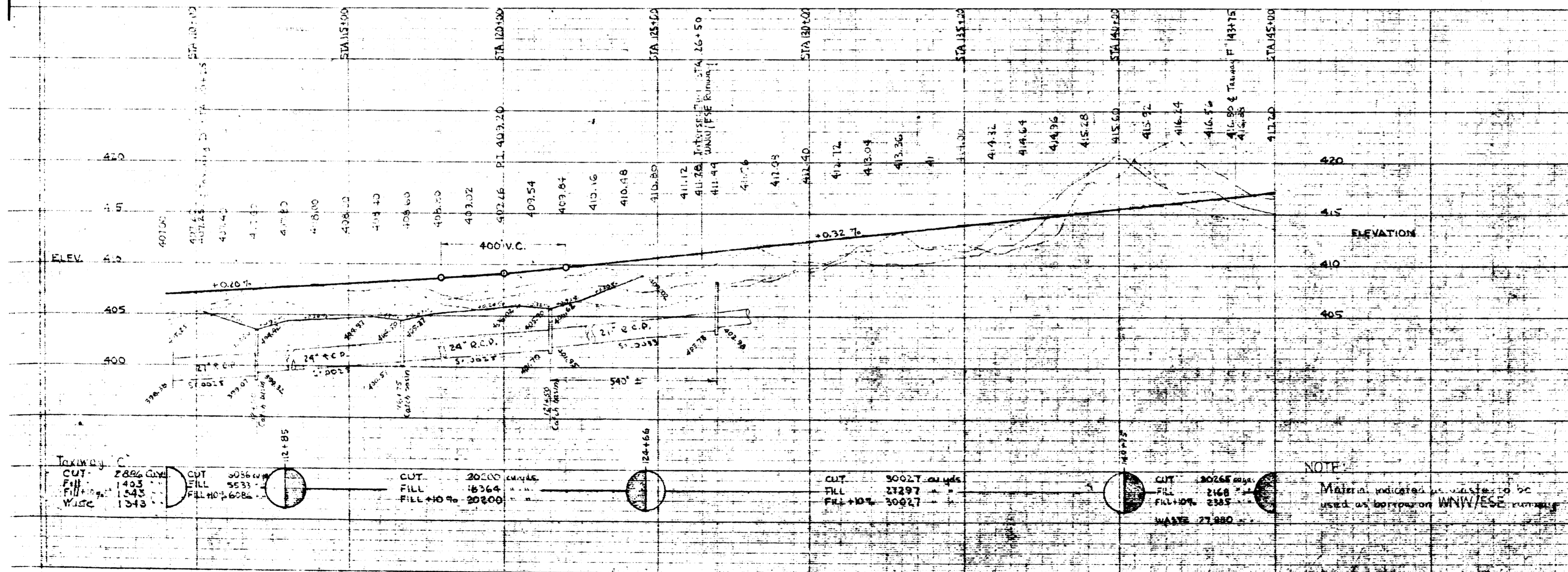




AS CONSTRUCTED SUMMARY OF EXCAVATION QUANTITIES		
WSW - ENE Runway	86,578 cy.	Sheet 11 A
WNW - ESE Runway	89,958 cy.	Sheet 12 A
Taxiway D	3,030 cy.	Sheet 13 A
Taxiway F	7,416 cy.	Sheet 13 A
Taxiway C Extension	2,886 cy.	Sheet 11 A
Land Area	76,008 cy.	Sheet 56
Adobe Removal	21,472 cy.	Sheet 22
Ditches	8,855 cy.	Sheet 14
<b>Total Excavation</b>	<b>296,203 cy.</b>	

PROFILE LEGEND

- Final Grade Center Line of Runway
- Original Ground, Center Line of Runway
- Original Ground, 250' Right of Center Line
- Original Ground, 250' Left of Center Line



14927-8-L

CITY OF SAN DIEGO, CALIFORNIA  
GIBBS MUNICIPAL AIRPORT

WSW-ESE RUNWAY PROFILE

APPROVED \_\_\_\_\_ CITY MANAGER

DATE \_\_\_\_\_

APPROVED \_\_\_\_\_ CITY ENGINEER

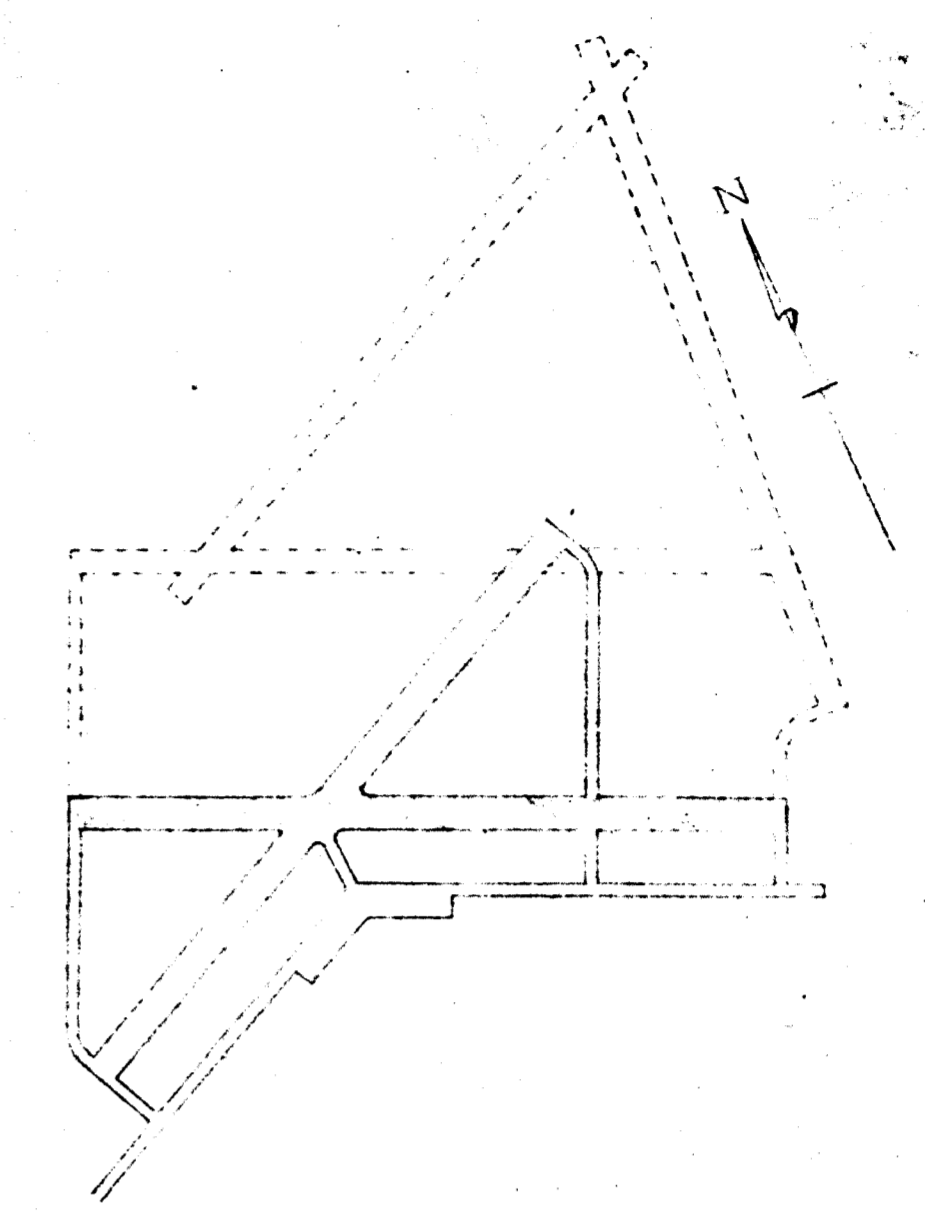
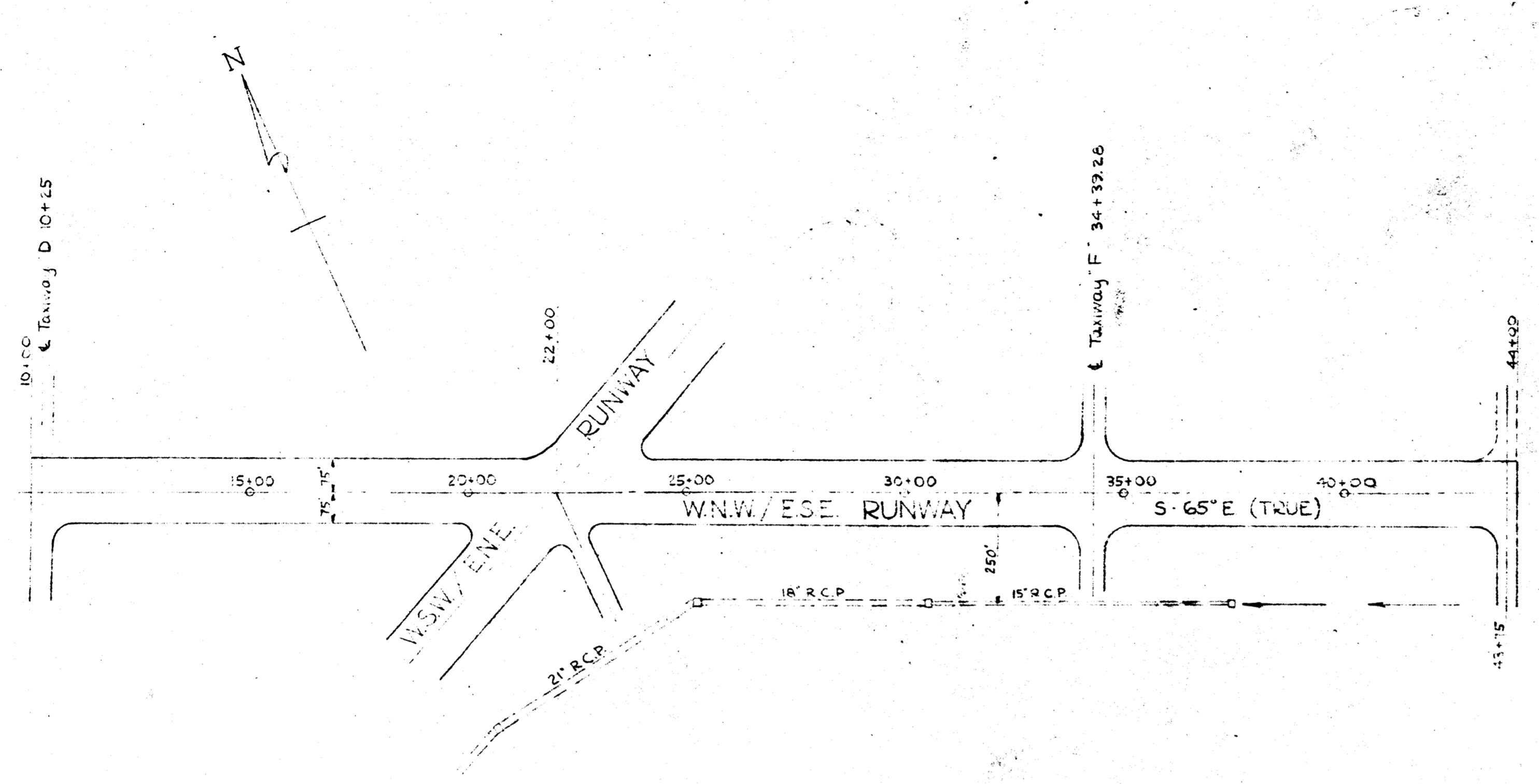
DATE \_\_\_\_\_

CHECKED \_\_\_\_\_ DRAWN BY \_\_\_\_\_

DATE \_\_\_\_\_ SHEET 11A OF 57 AT CHS 11A 11B

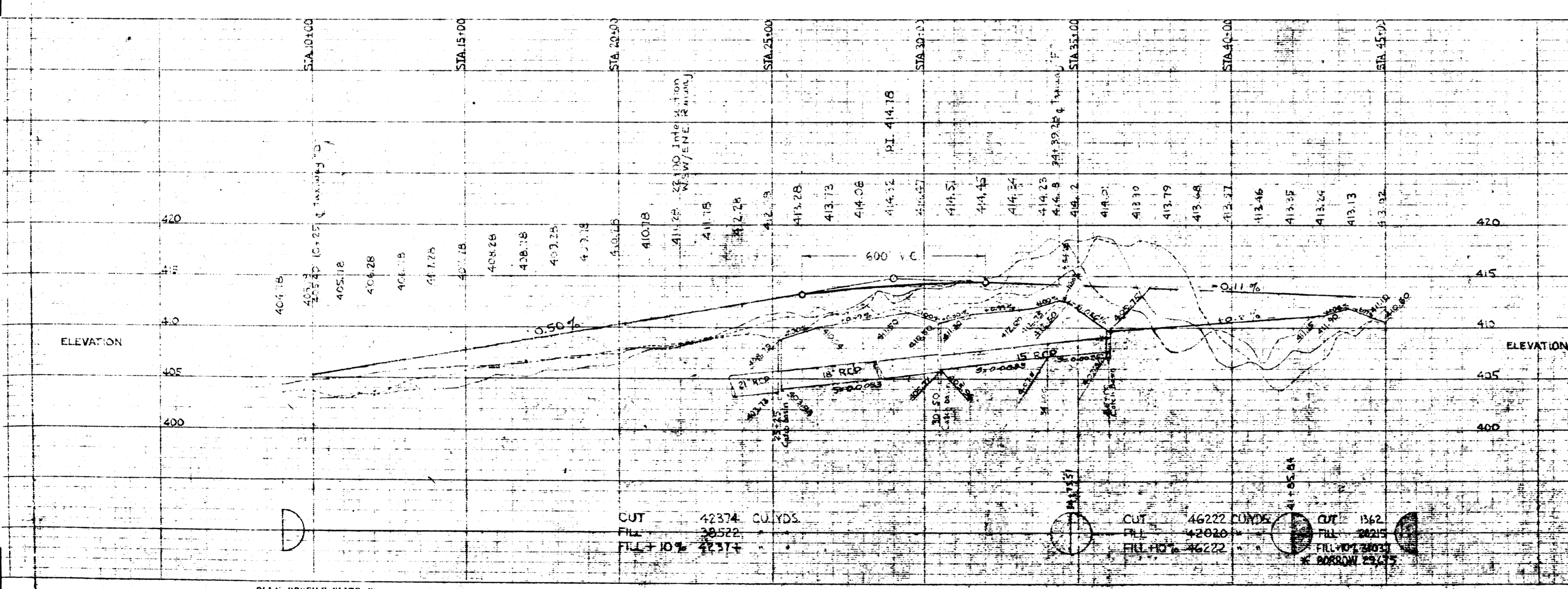


CIBBS MUNICIPAL AIRPORT



PROFILE LEGEND

- Final Grade, center line or pavement
- - - Original Ground, 150' left of center line
- Original Ground, 250' left of center line



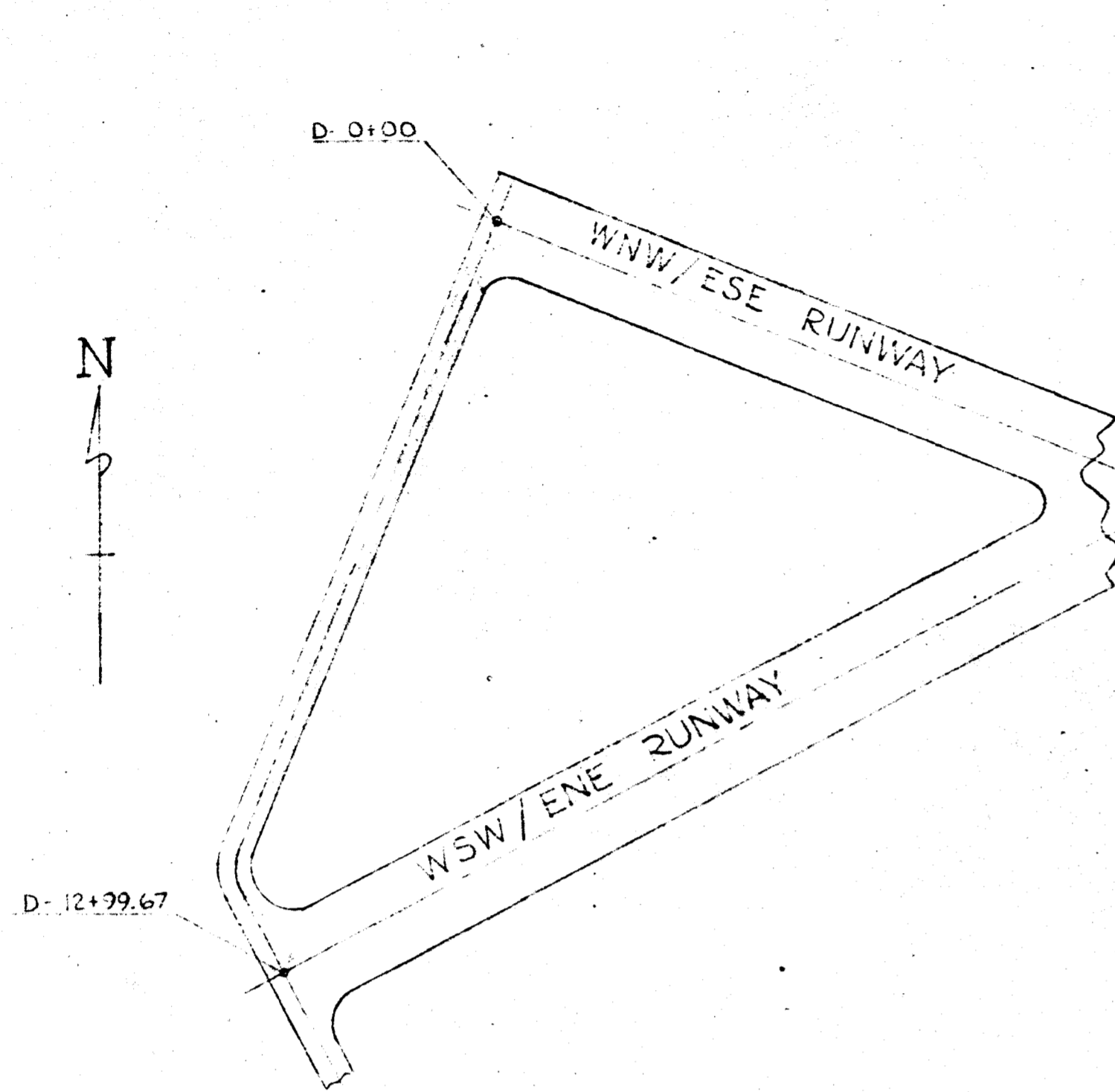
\* NOTE:  
Material indicated as borrow to come from waste on WSW-ESE runway.

14927-9-L

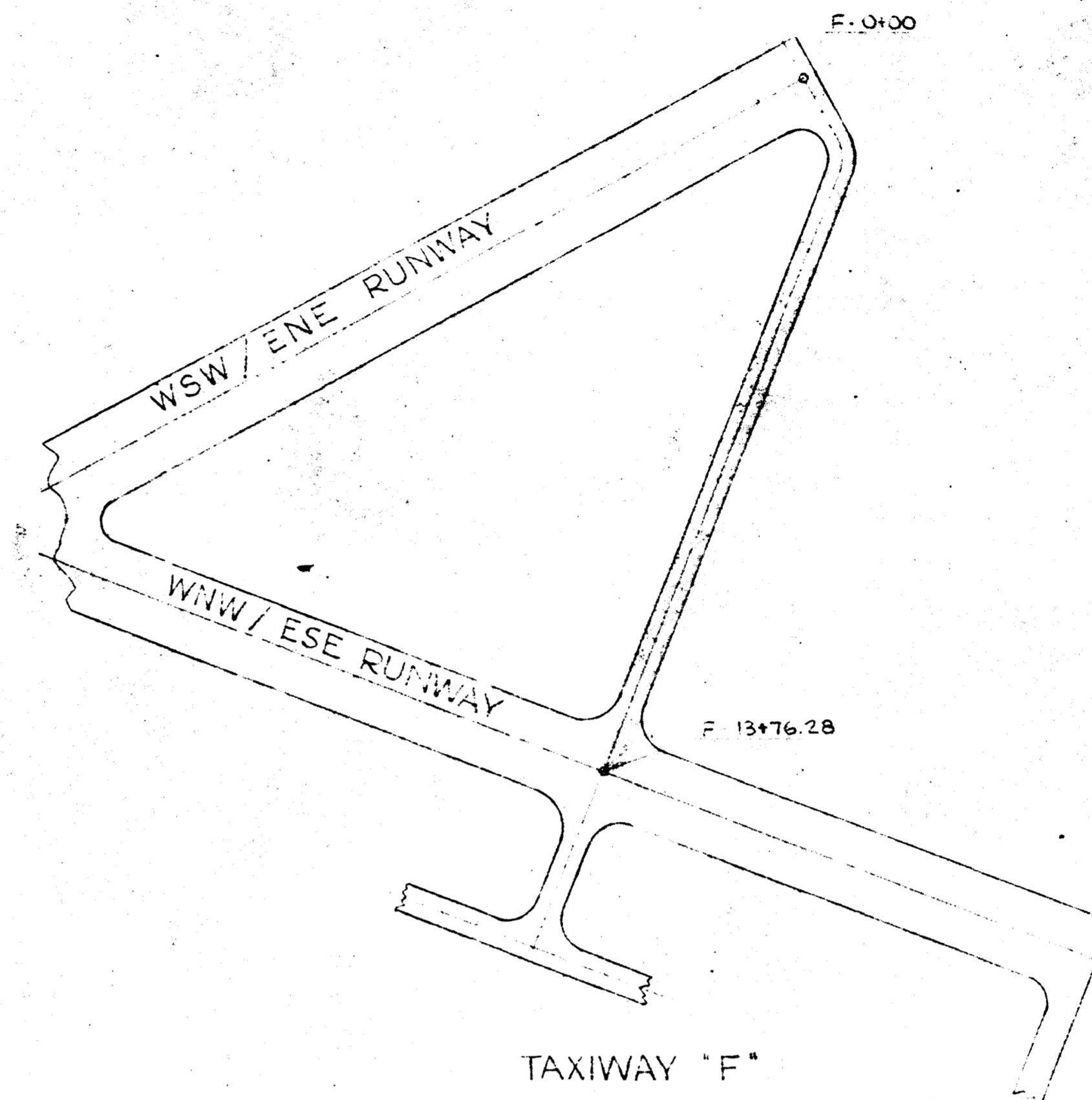
CITY OF SAN DIEGO, CALIFORNIA GIBBS MUNICIPAL AIRPORT	
WNW-ESE RUNWAY PROFILE	
APPROVED DATE	CITY MANAGER
APPROVED DATE	CITY ENGINEER
CHECKED DATE	DRAWN BY
SHEET 12 A of 57	



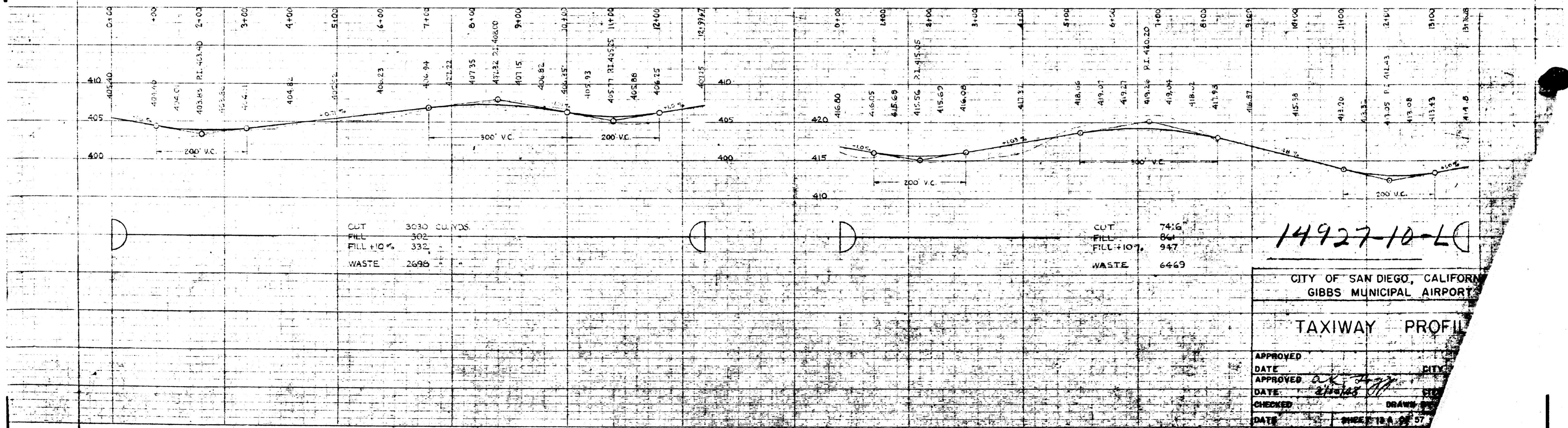
CADD - TAXIWAY



TAXIWAY "D"



TAXIWAY "F"



14927-10-L

CITY OF SAN DIEGO, CALIFORNIA  
 GIBBS MUNICIPAL AIRPORT

TAXIWAY PROFILE

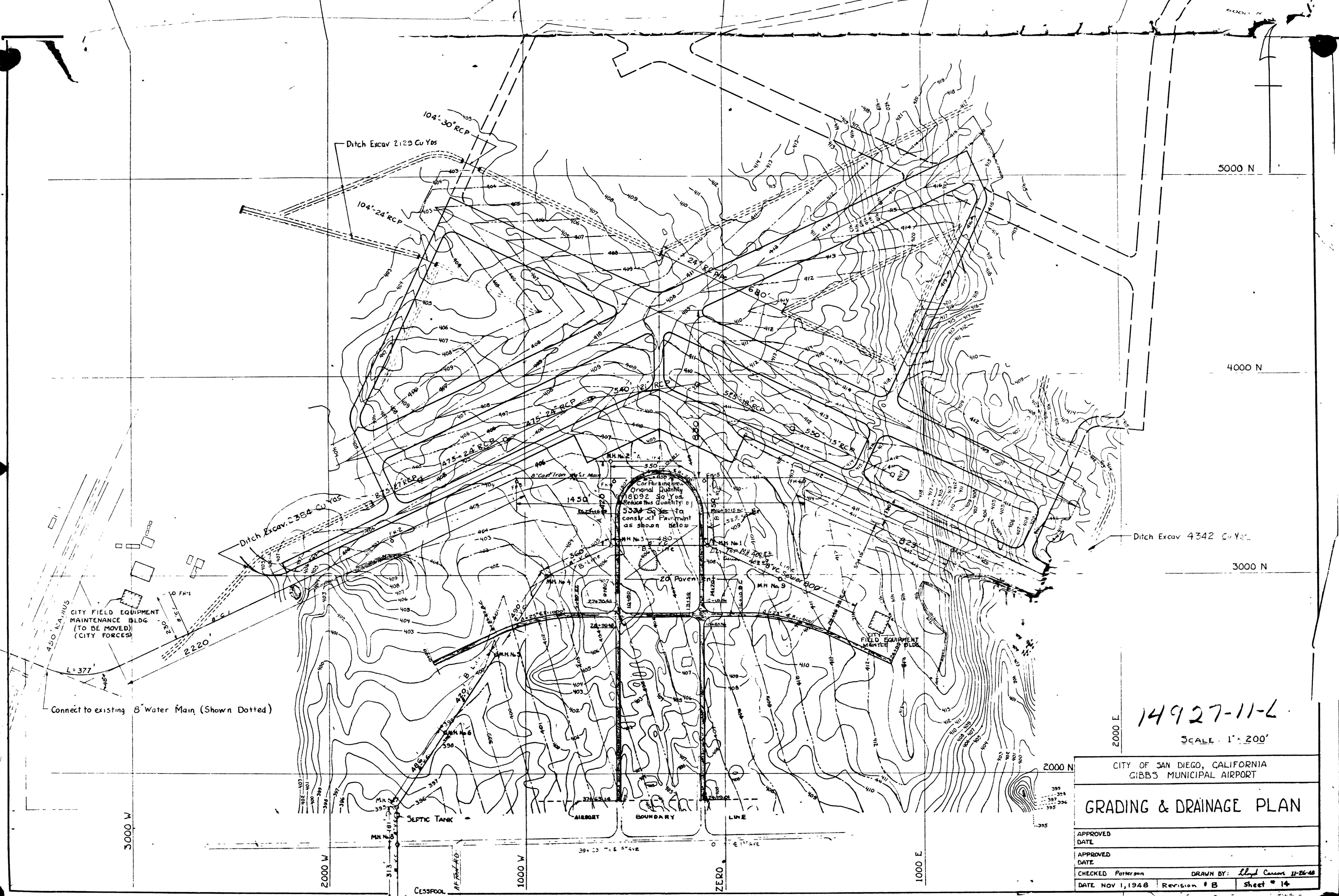
APPROVED	CITY
DATE	
APPROVED <i>[Signature]</i>	
DATE <i>2/15/13</i>	
CHECKED	DRAWN
DATE	PRICE \$ 18.00

PLAN - PROFILE PLATE B.

F.B. 1855



1" = 10'



5000 N

4000 N

3000 N

14927-11-L

SCALE: 1" = 200'

CITY OF SAN DIEGO, CALIFORNIA  
GIBBS MUNICIPAL AIRPORT

### GRADING & DRAINAGE PLAN

APPROVED  
DATE

APPROVED  
DATE

CHECKED: Porter gms

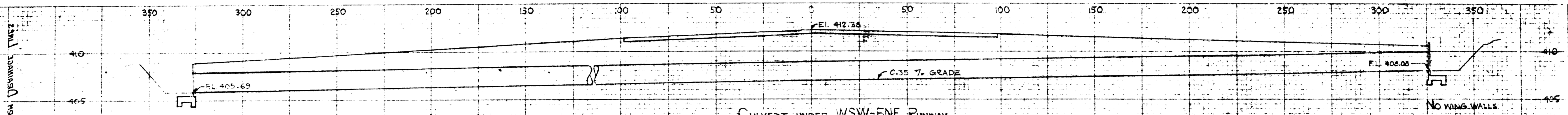
DRAWN BY: Lloyd Cannon 11-26-48

DATE: NOV 1, 1948

REVISION # B

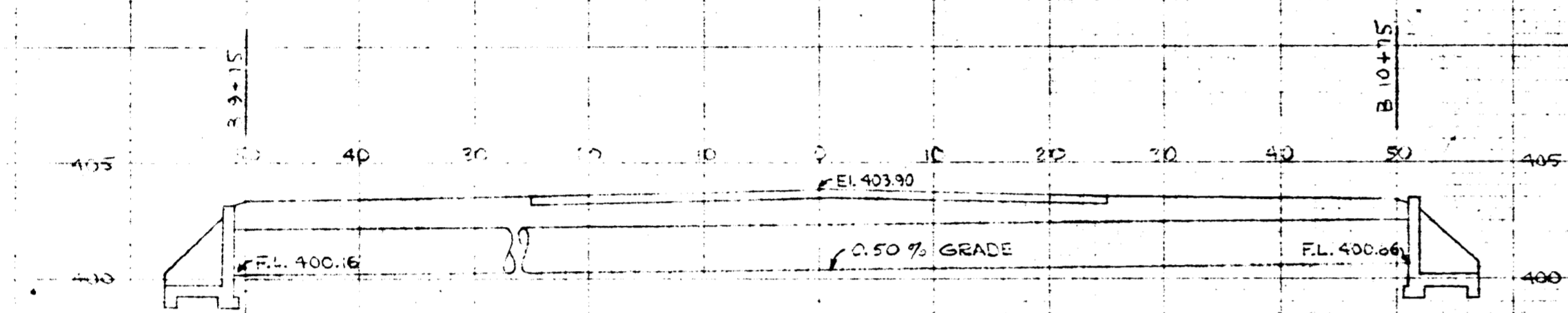
SHEET # 14





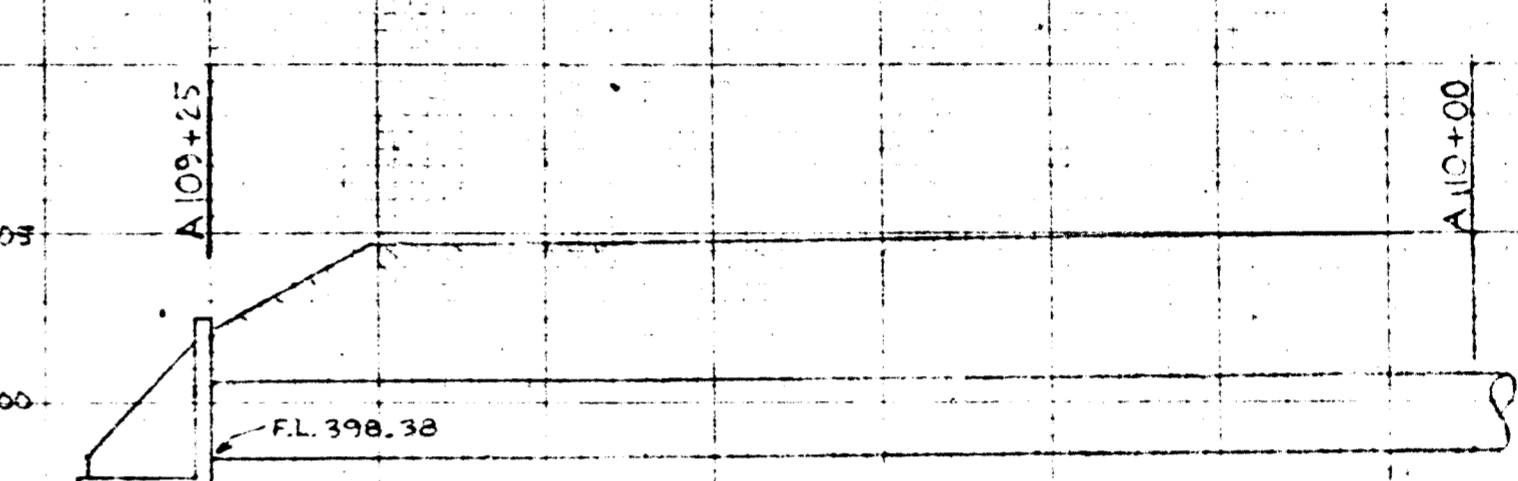
QUANTITIES  
 24" R.C. PIPE IN PLACE 630' LIN. FT.  
 CONCRETE, STRUCTURAL (HEADWALLS) 2 CU. YDS.  
 EXCAV. & BACKFILL (HEADWALLS) 18 CU. YDS.

CULVERT UNDER WSW-ENE RUNWAY  
 INTERSECTS RUNWAY CENTER LINE AT STATION A129+93.32  
 PARALLEL TO WNW-ESE RUNWAY & 263' N.E'LY FROM CENTER LINE



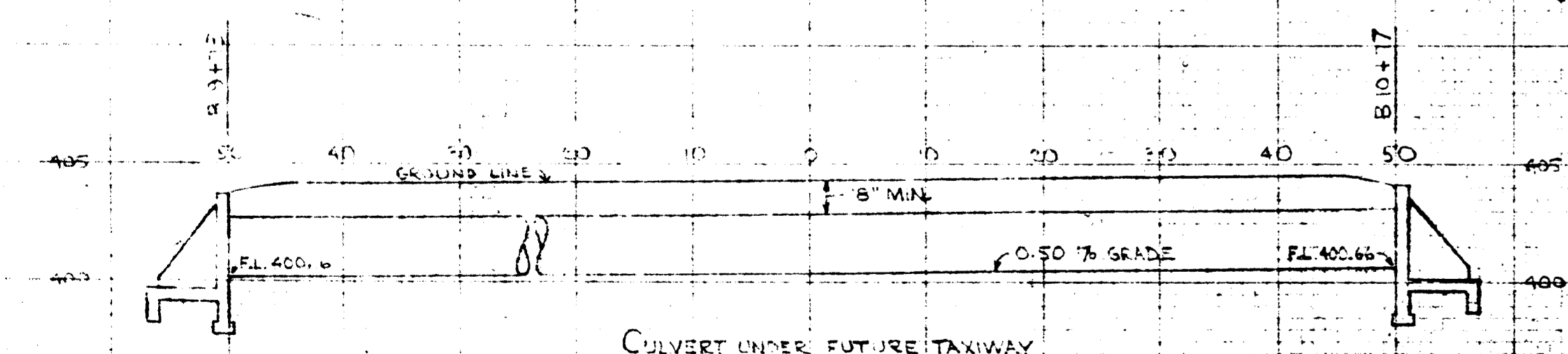
QUANTITIES  
 24" R.C. PIPE IN PLACE (DOUBLE CONTIGUOUS) 104' LIN. FT.  
 CONCRETE, STRUCTURAL (HEADWALLS) 28 CU. YDS.  
 EXCAV. & BACKFILL (HEADWALLS) 30 CU. YDS.

CULVERT UNDER TAXIWAY D  
 STA. D 2+63



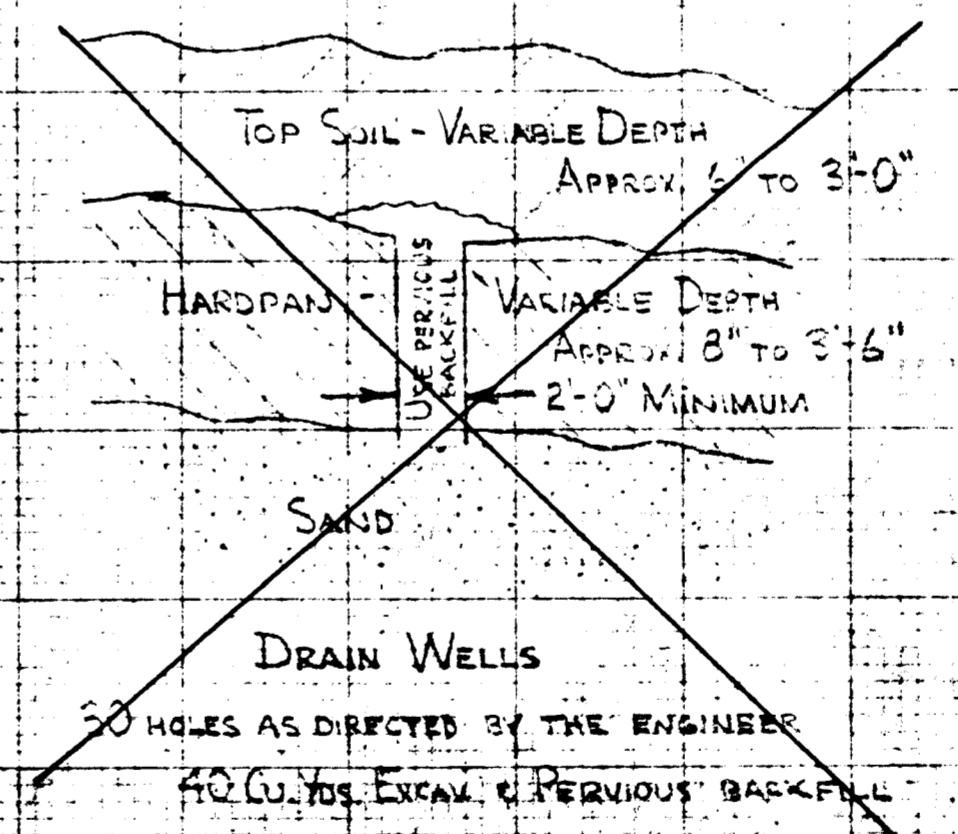
DRAINAGE HEADWALL  
 STA. A 109+25  
 250' S.E'LY FROM WSW-ENE RUNWAY C

QUANTITIES  
 CONCRETE, STRUCTURAL (HEADWALL) 9.5 CU. YDS.  
 EXCAV. & BACKFILL (HEADWALL) 20 CU. YDS.



QUANTITIES  
 30" R.C. PIPE IN PLACE 104' LIN. FT.  
 CONCRETE, STRUCTURAL (HEADWALLS) 72 CU. YDS.  
 EXCAV. & BACKFILL (HEADWALLS) 40 CU. YDS.

CULVERT UNDER FUTURE TAXIWAY  
 263' N.E'LY FROM WSW-ENE RUNWAY C AT STA. B10+25

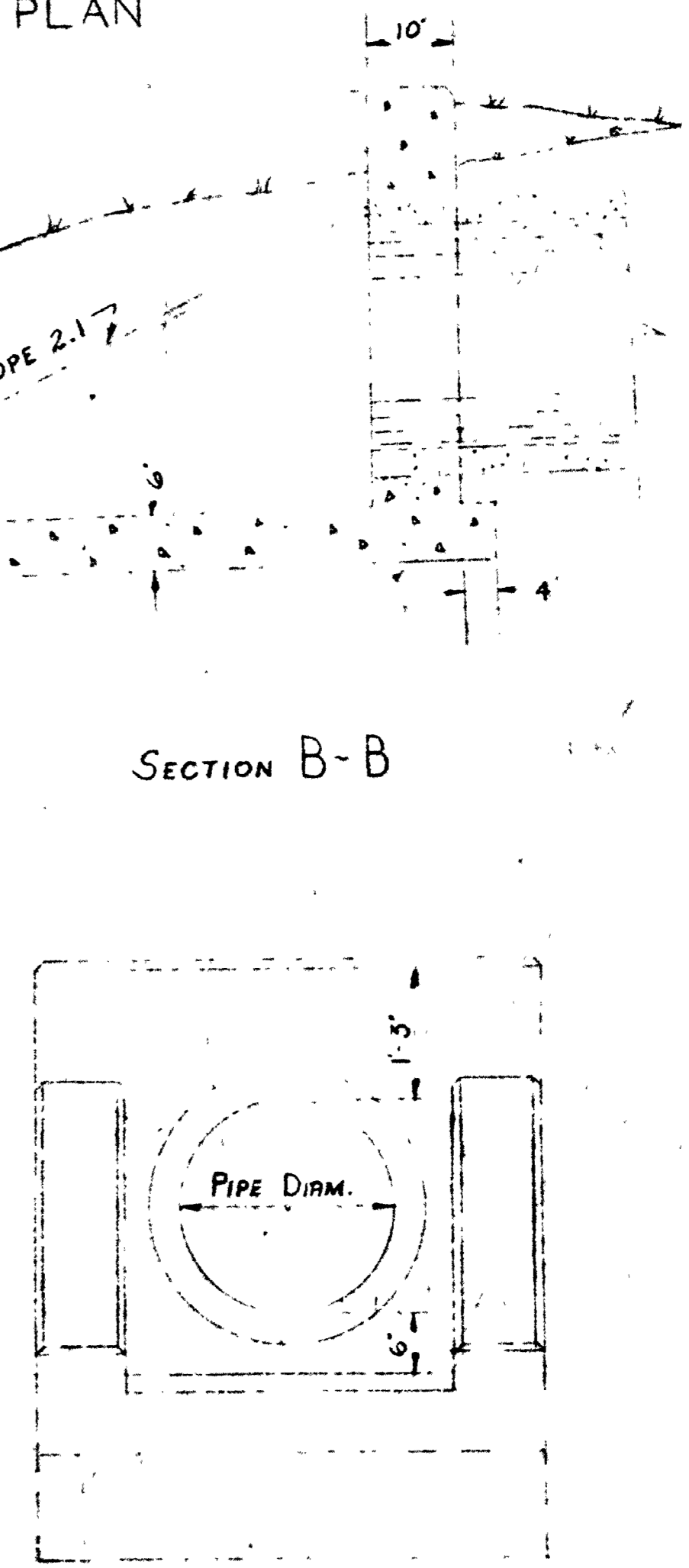
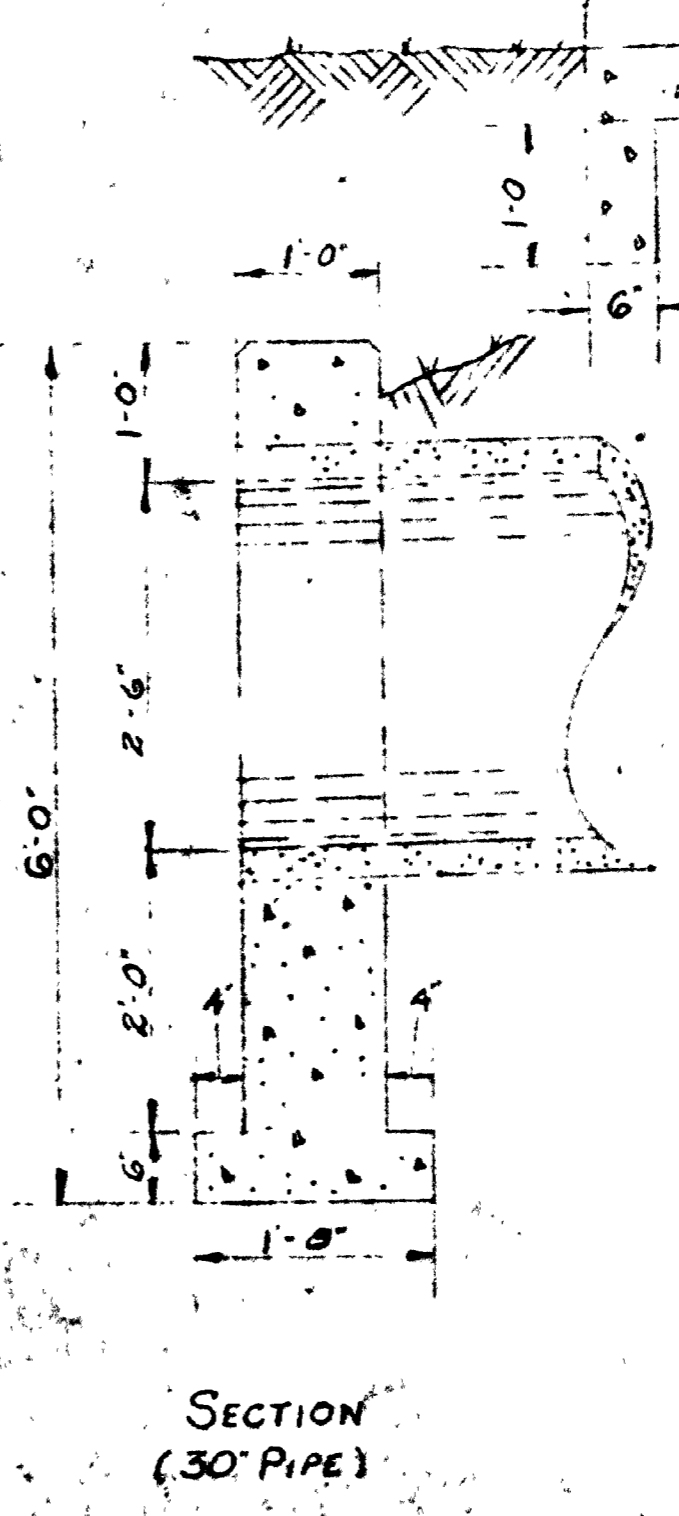
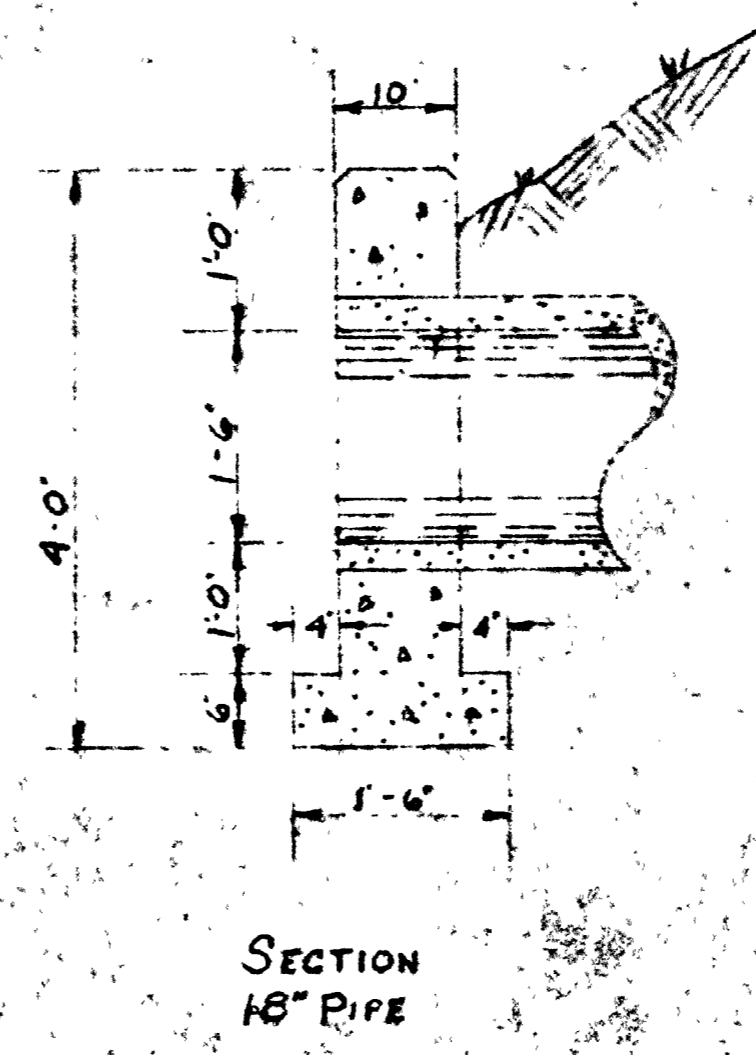
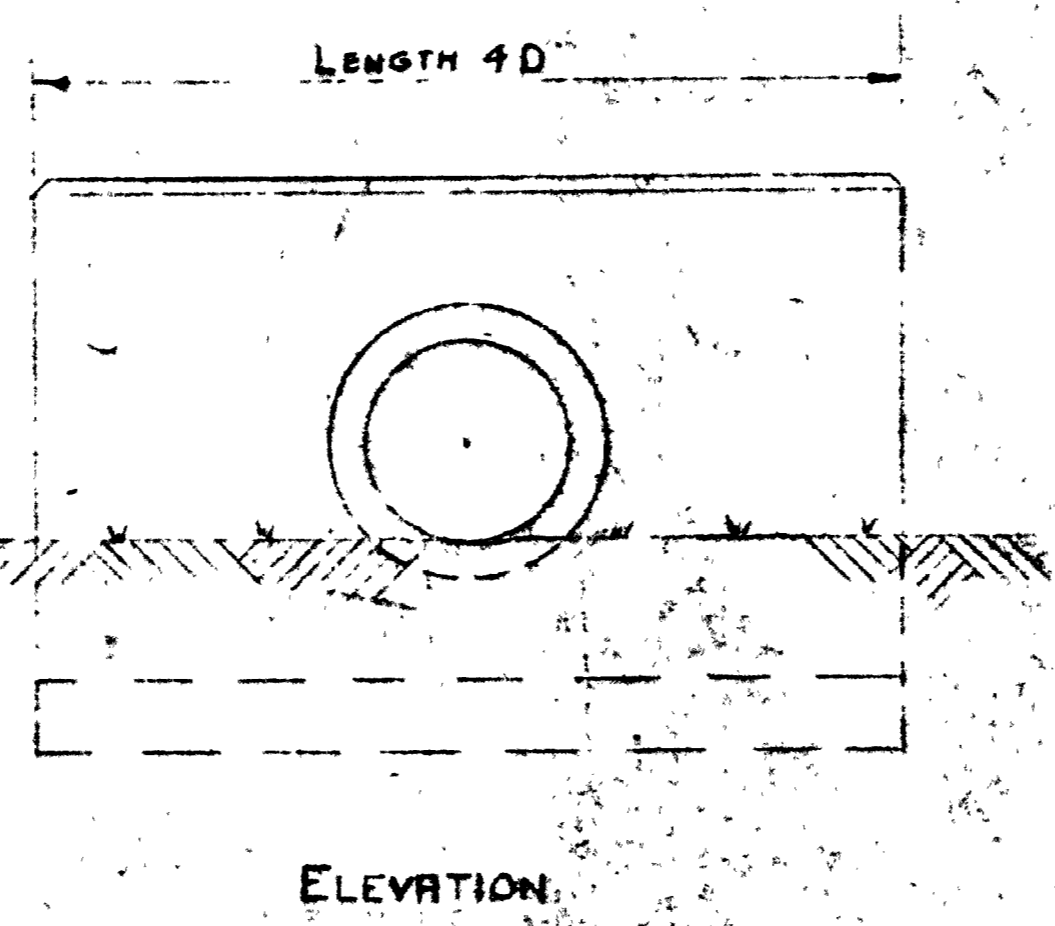
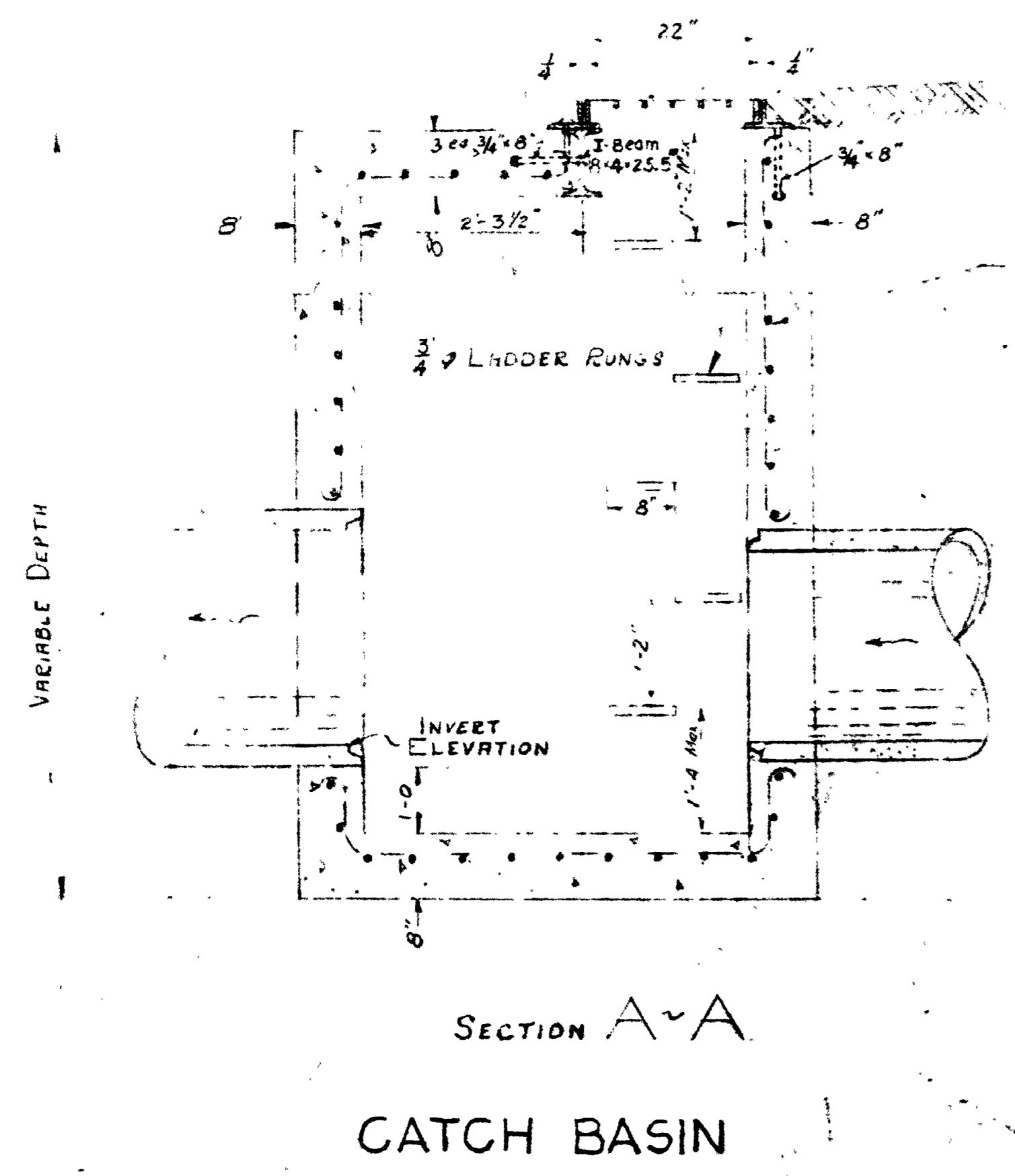
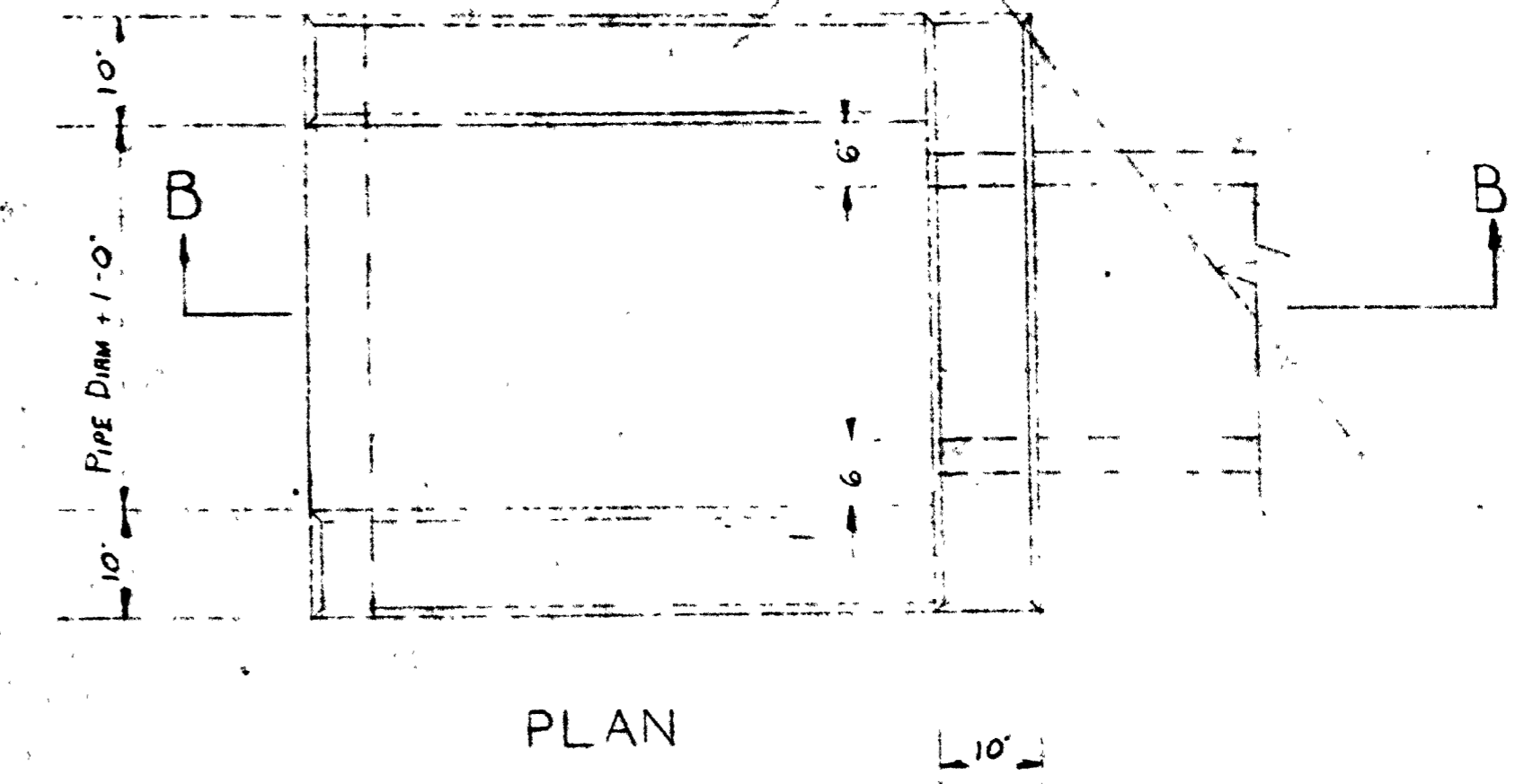
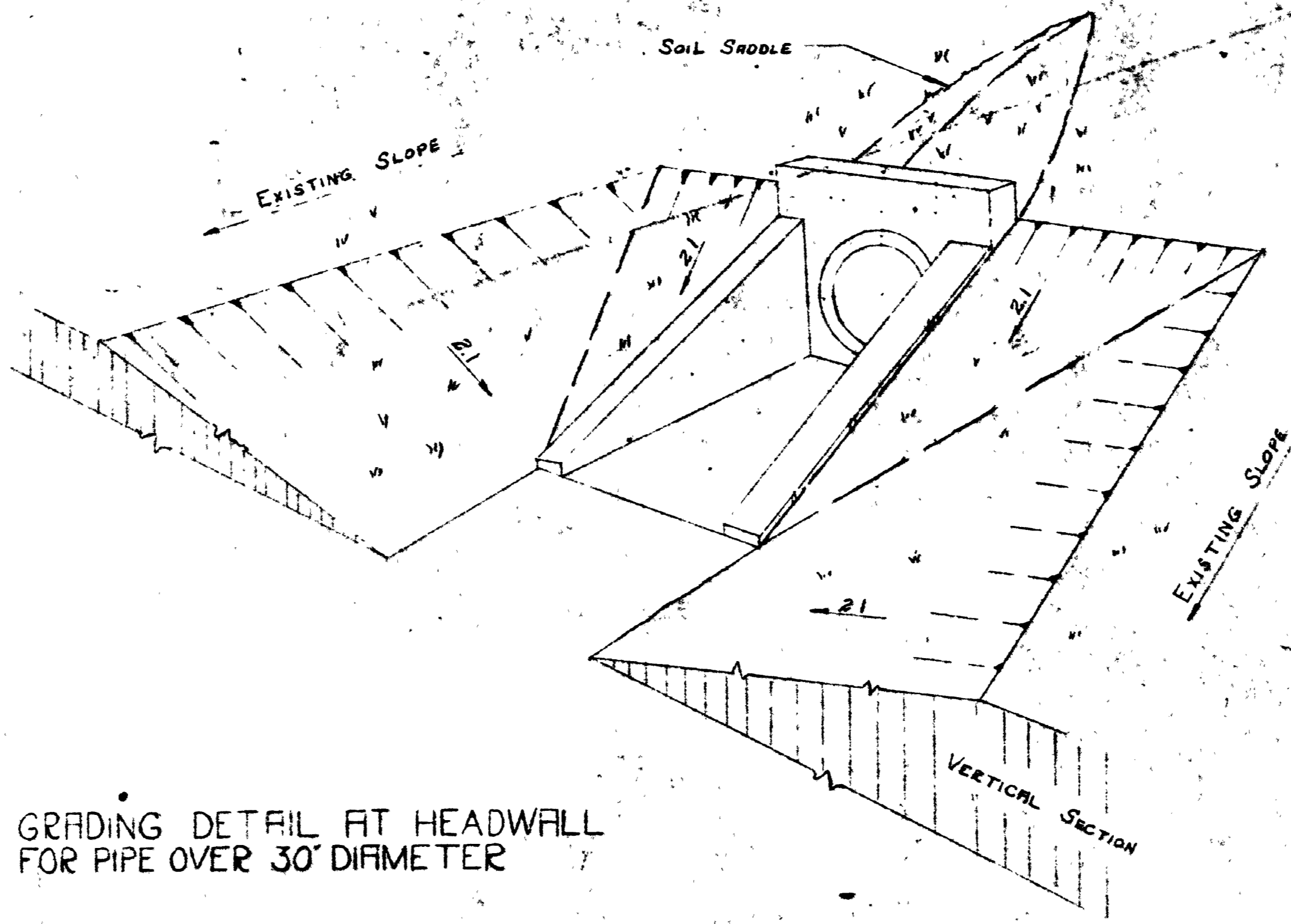
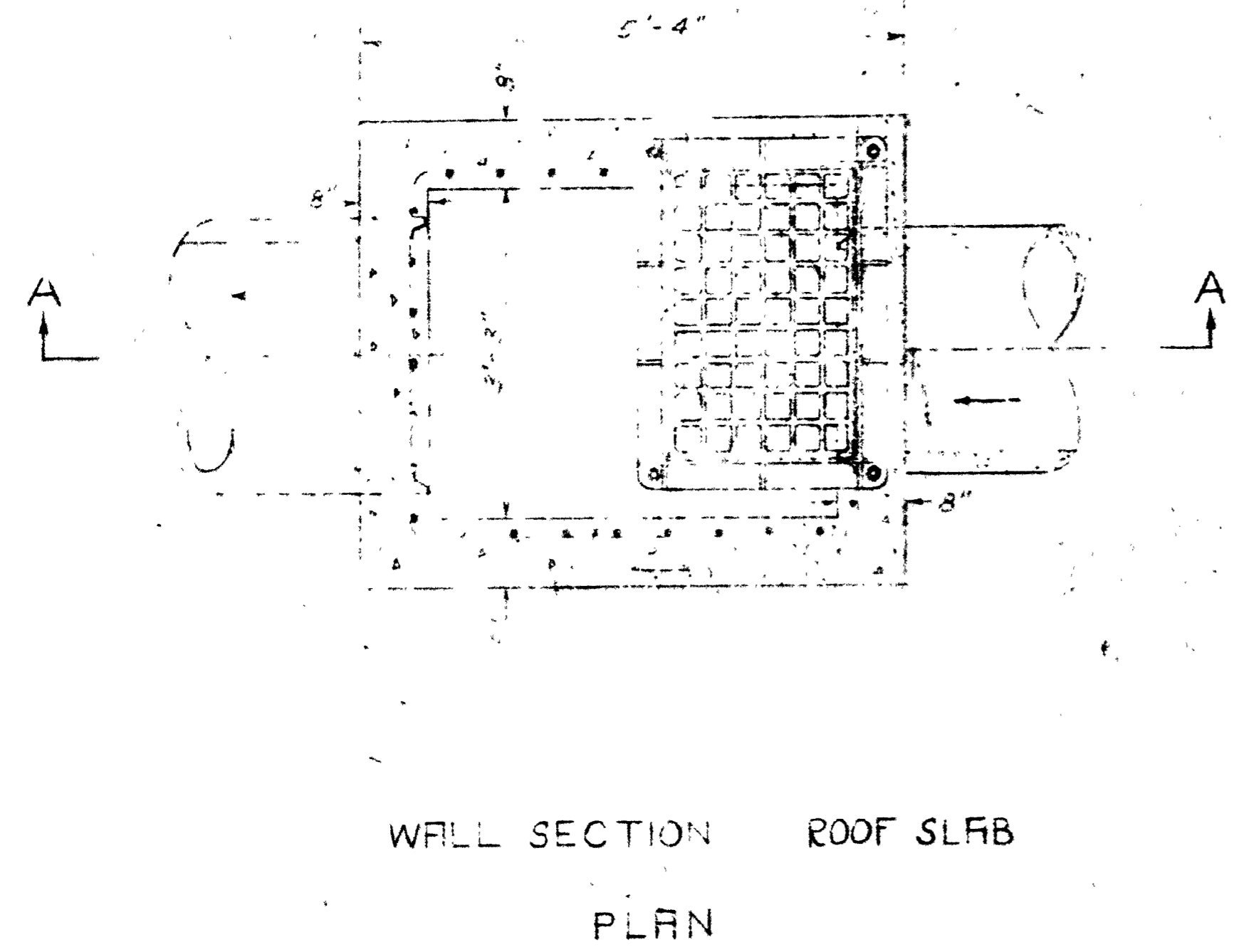


DRAIN WELLS  
 50 HOLES AS DIRECTED BY THE ENGINEER  
 40 CU. YDS. EXCAV. & PERVIOUS BACKFILL

14927-12-2

CITY OF SAN DIEGO, CALIFORNIA	
GIBBS MUNICIPAL AIRPORT	
<b>STORM DRAINAGE LINES</b>	
APPROVED:	
DATE:	
APPROVED:	
DATE:	
CHECKED:	DRAWN BY:
DATE: AUGUST 24, 1948	SHEET 254 OF 314 (SHEET 24 OF 28)





DETAILS OF HEADWALLS UP TO 30' PIPE

ELEVATION 14927-13

HEADWALL

REGISTERED CIVIL ENGINEER NO 29

CITY PLANNING COMMISSION  
SAN DIEGO, CALIFORNIA

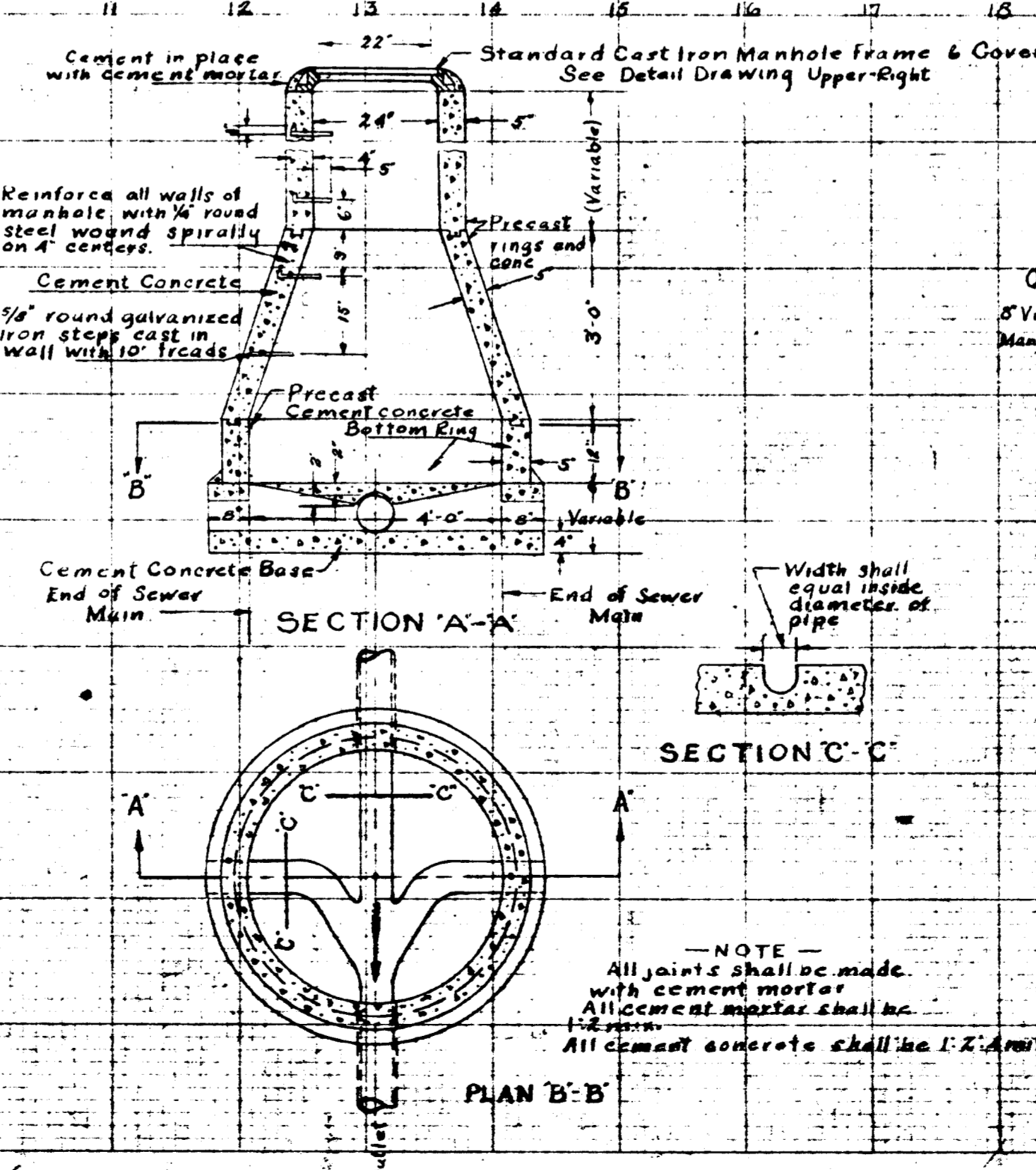
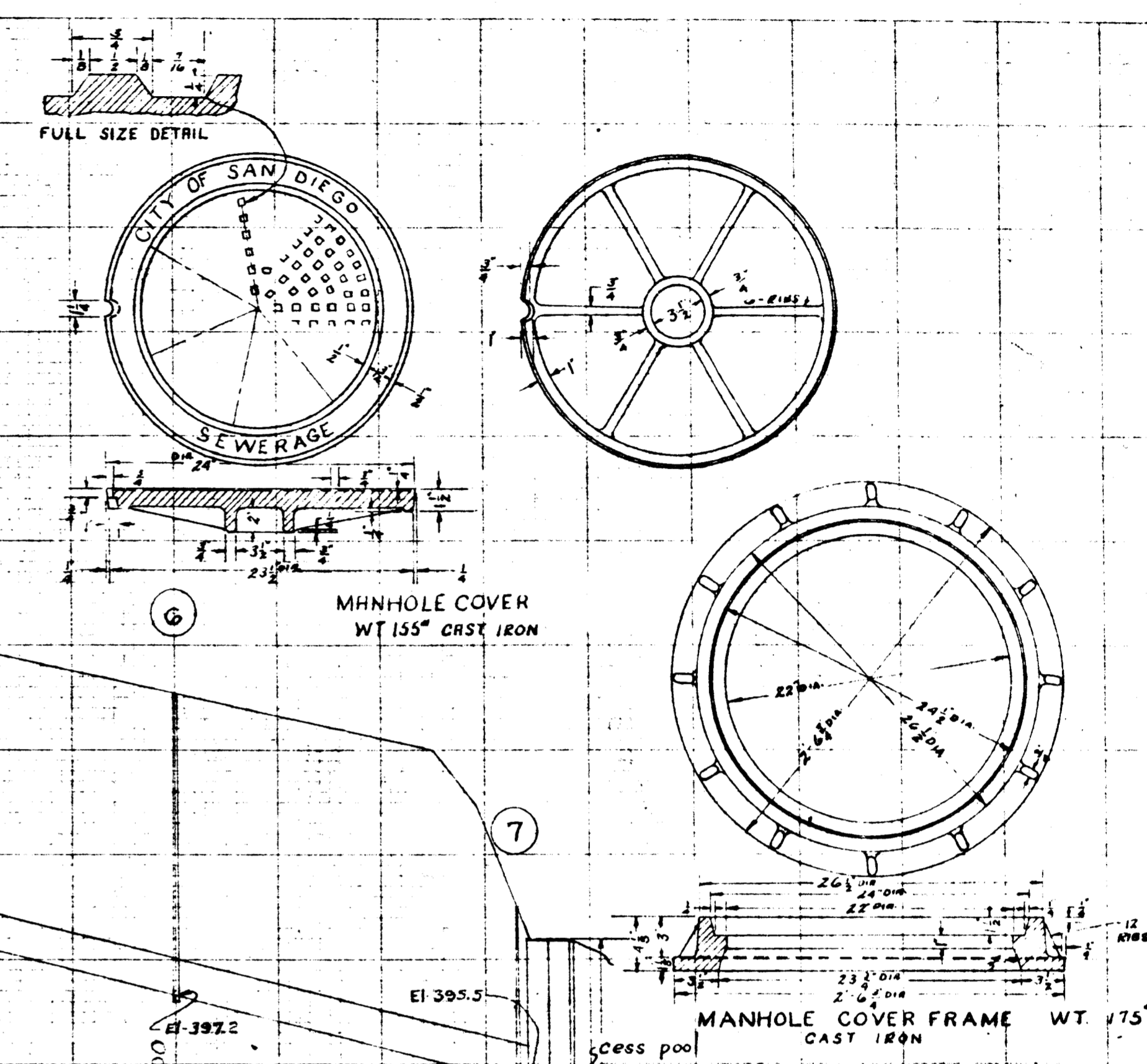
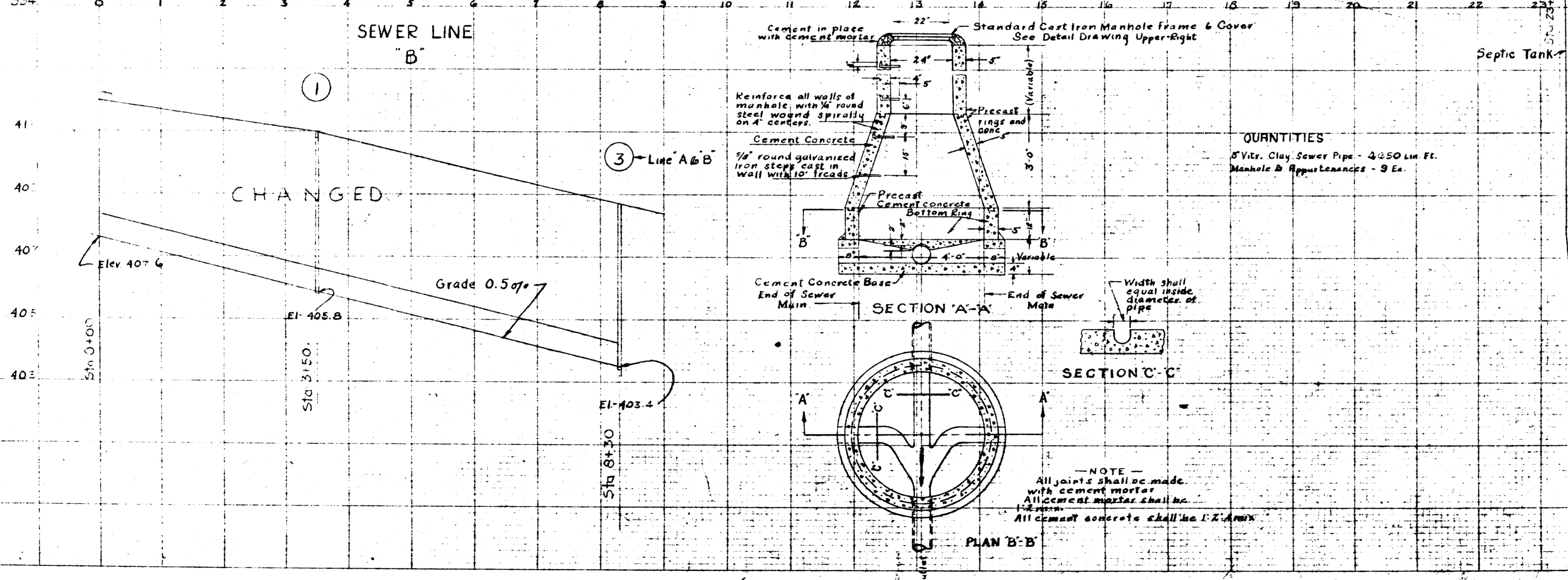
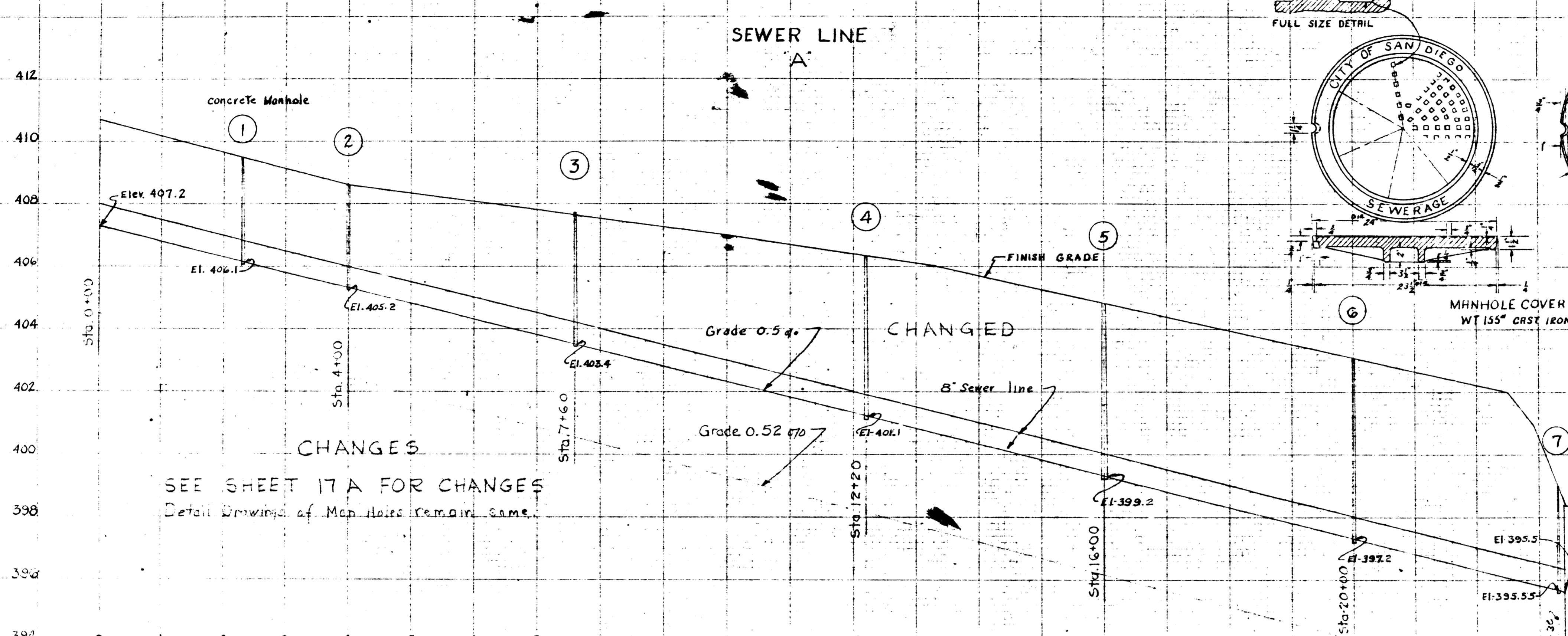
GIBBS MUNICIPAL AIRPORT

DRAINAGE  
CATCH BASINS AND HEADWALLS

DRAWN BY J. R. [Signature] SCALE 1/8" = 1'-0"

RECOMMENDED APPROVED DATE: [Blank] SHEET 16 OF 27





QUANTITIES  
 2 1/2 Vts. Clay Sewer Pipe - 4350 Lin. Ft.  
 Manhole & Appurtenances - 9 Ea.

NOTE  
 All joints shall be made with cement mortar.  
 All cement mortars shall be 1:2:4.  
 All cement concrete shall be 1:2:4 mix.

14927-14-L

REGISTERED CIVIL ENGINEER NO. 29

CITY PLANNING COMMISSION  
 SAN DIEGO, CALIFORNIA

GIBBS MUNICIPAL AIRPORT

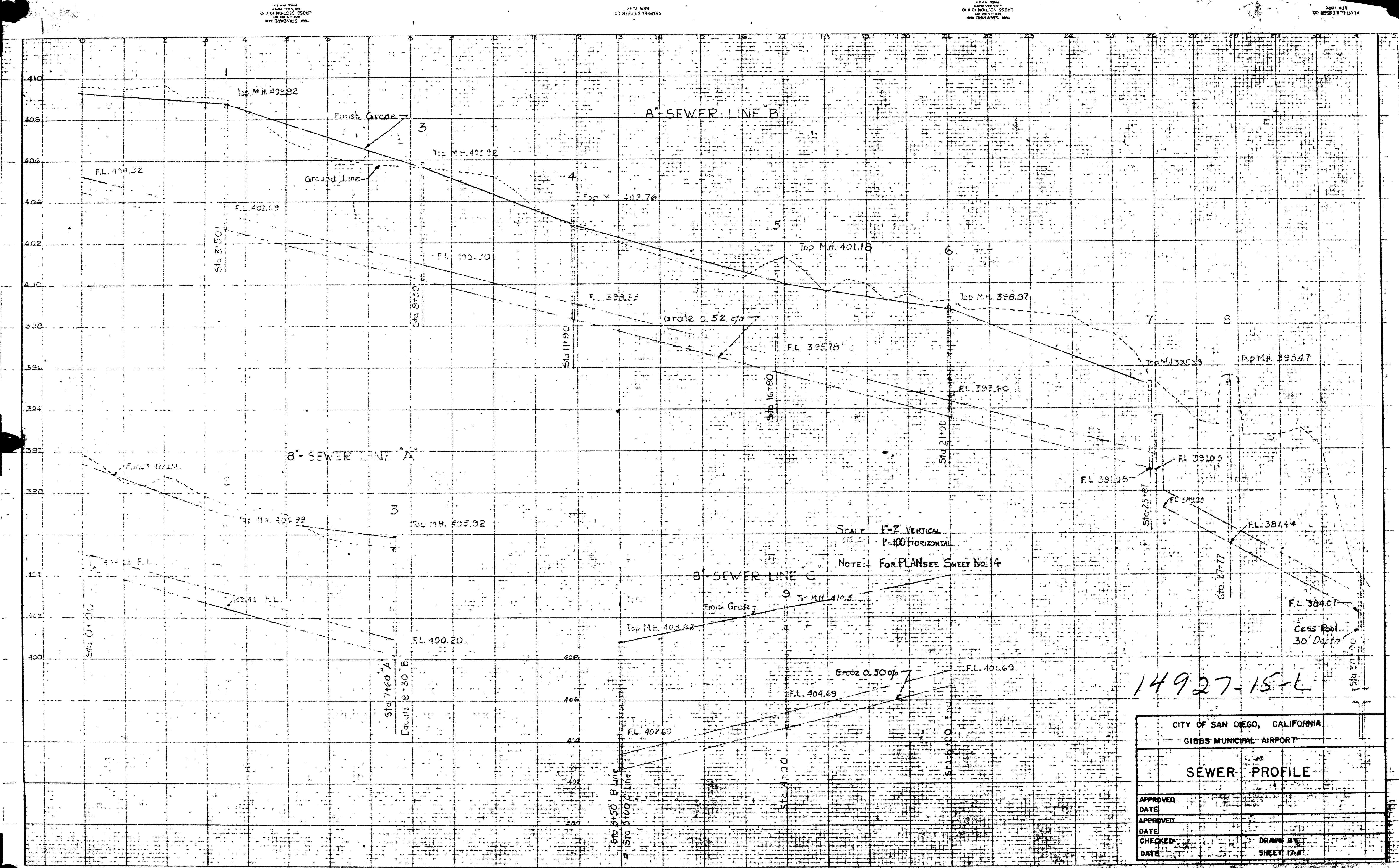
SEWER LAYOUT

DRAWN BY J.E. Patterson SCALE: \_\_\_\_\_ SHEET 17 OF 57

RECOMMENDED \_\_\_\_\_ DATE: MAR '48

APPROVED \_\_\_\_\_

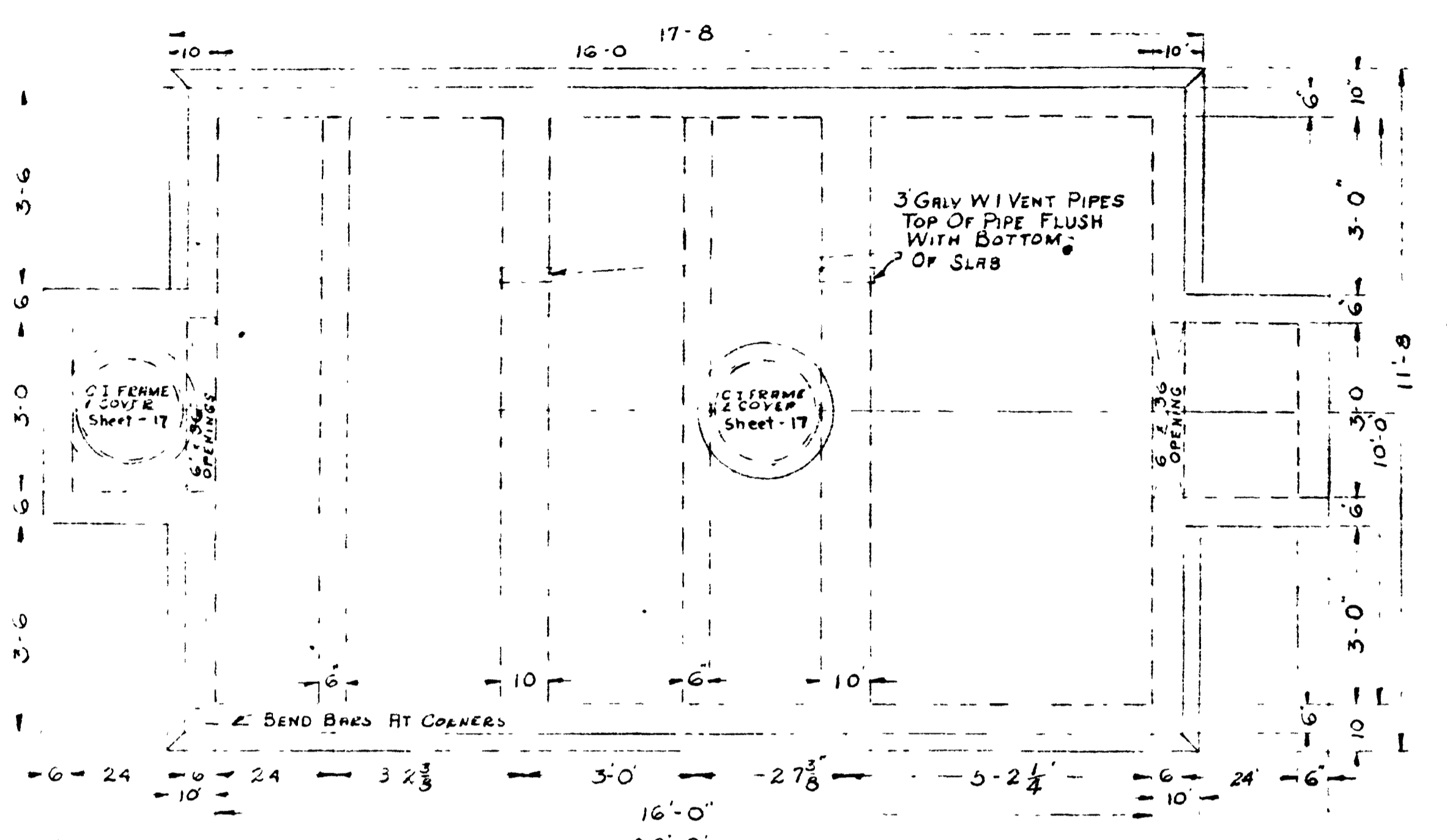




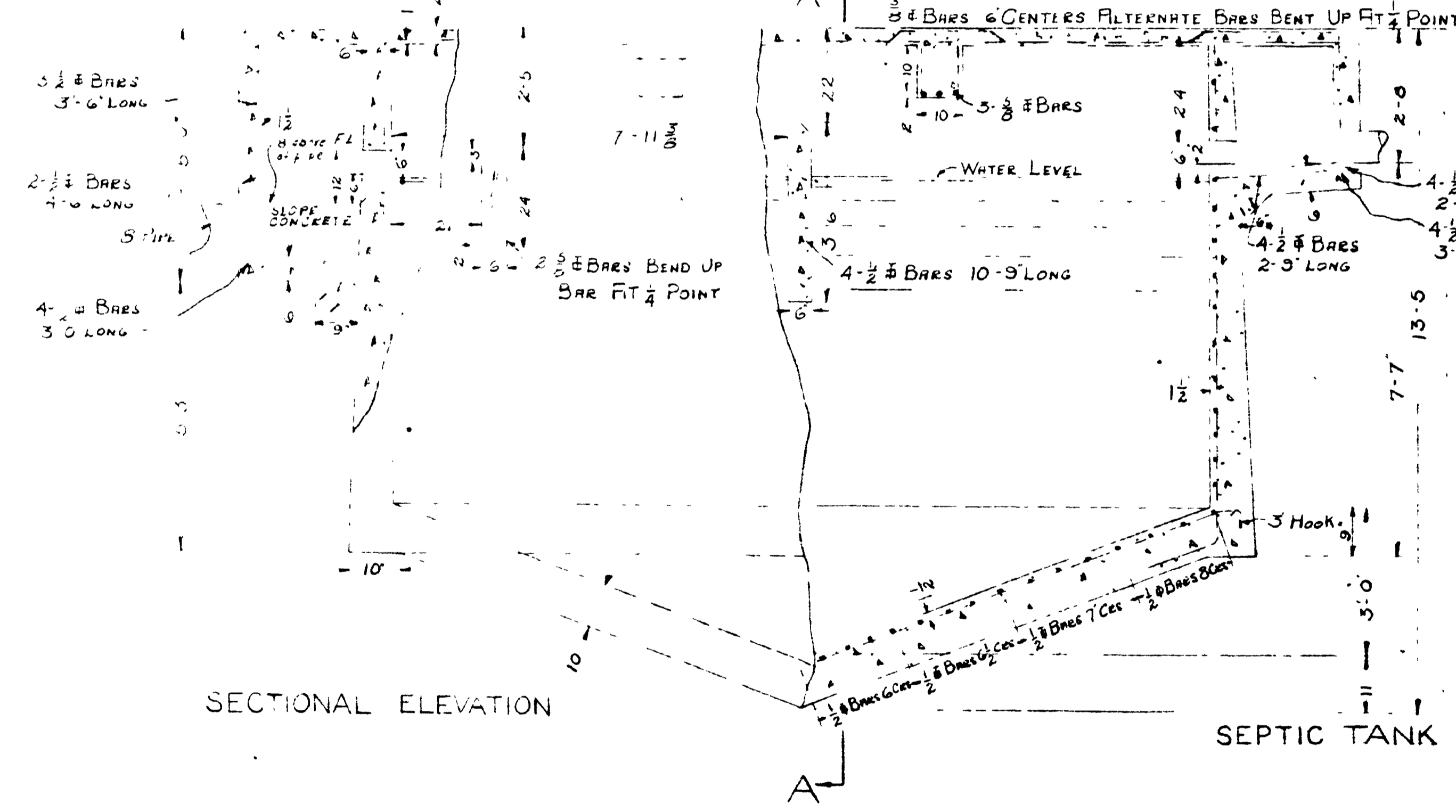
14927-15-L

CITY OF SAN DIEGO, CALIFORNIA	
GIBBS MUNICIPAL AIRPORT	
<b>SEWER PROFILE</b>	
APPROVED	
DATE	
APPROVED	
DATE	
CHECKED	DRAWN BY
DATE	SHEET 17A



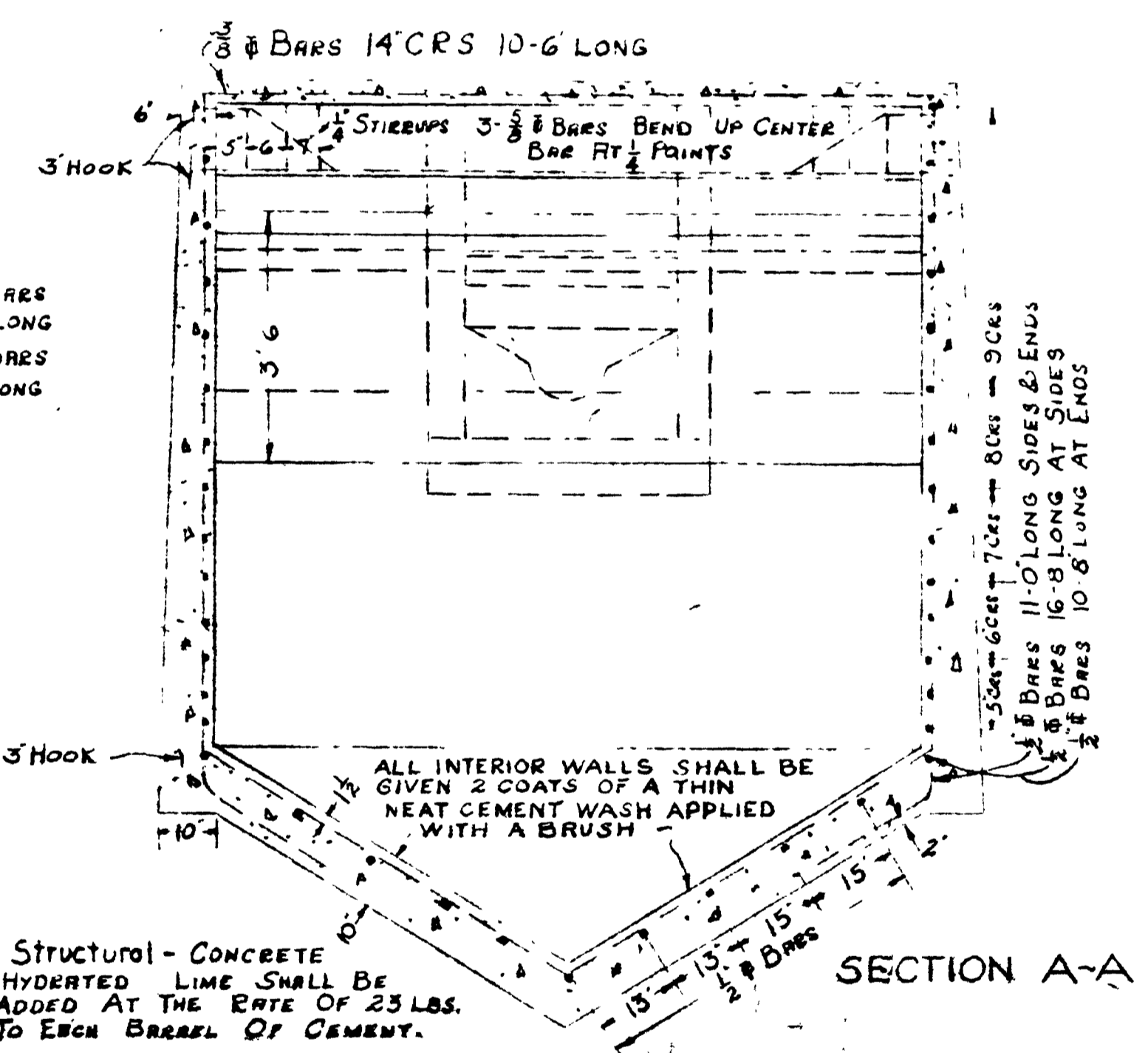


PLAN

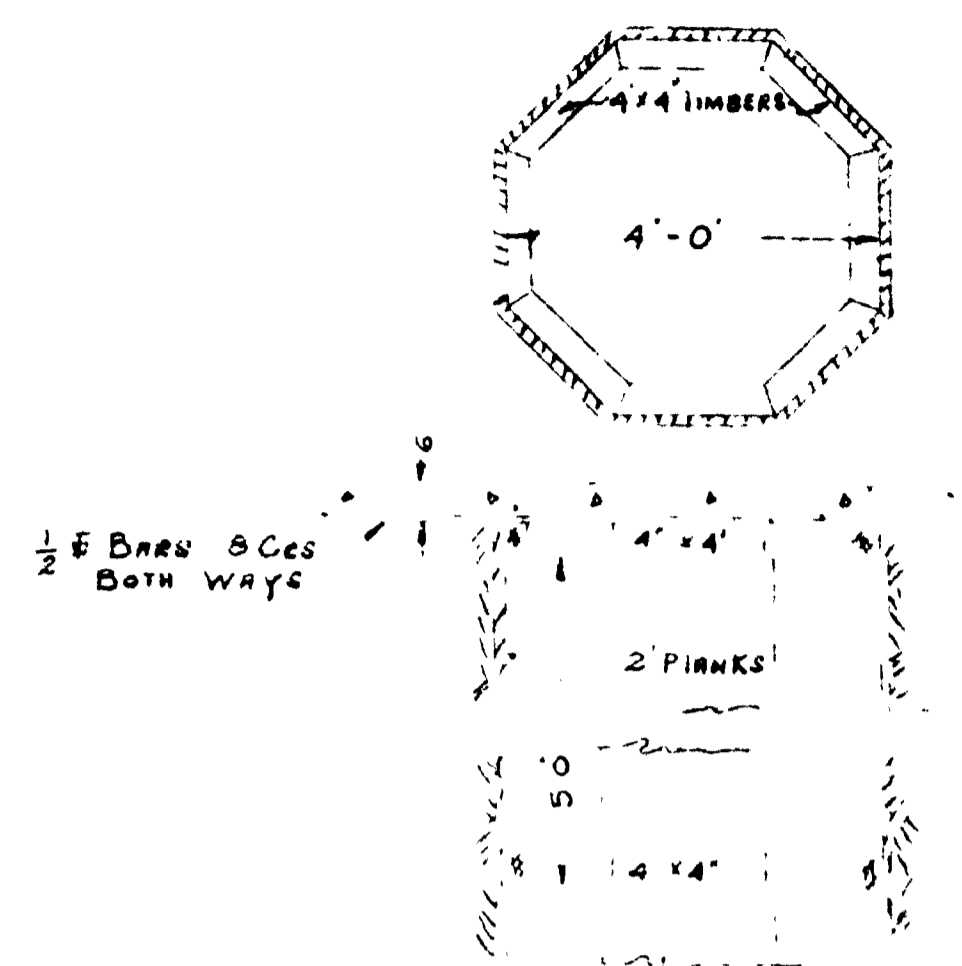


SECTIONAL ELEVATION

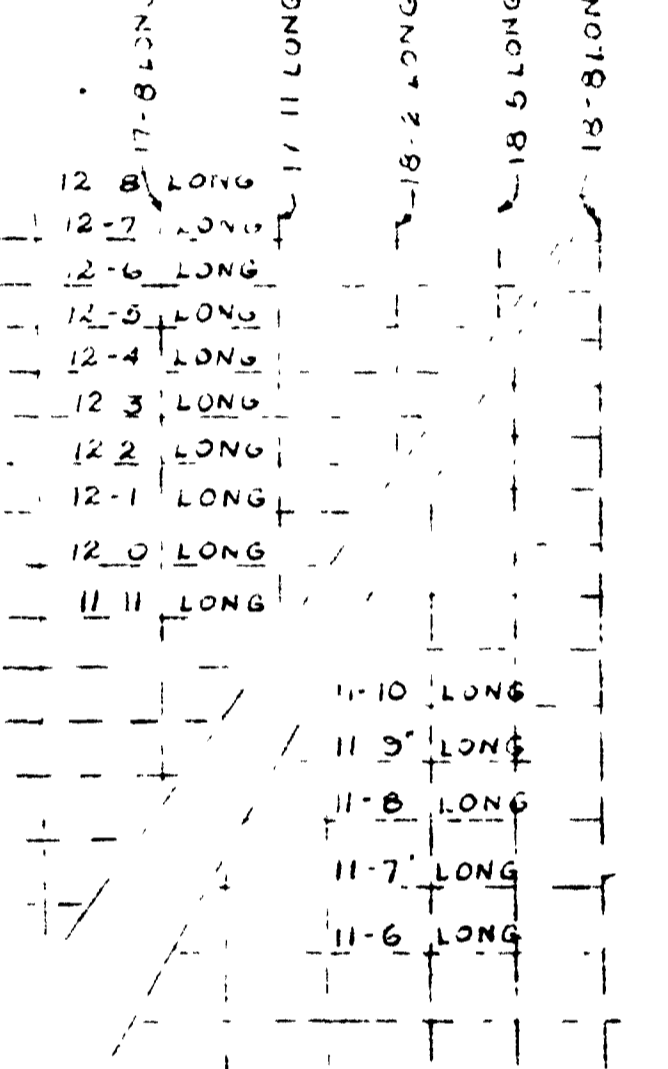
SEPTIC TANK



SECTION A-A



SECTION OF CESSPOOL 30 FT DEPTH



PLAN OF REINFORCEMENT OF 1/4 OF BOTTOM OF HOPPER

QUANTITIES

CONCRETE STRUCTURAL	-	33.4 CU YDS
REINFORCING STEEL	-	2450 LBS
EXCAR & BACKFILL	-	150 CU YDS

14927-16-L

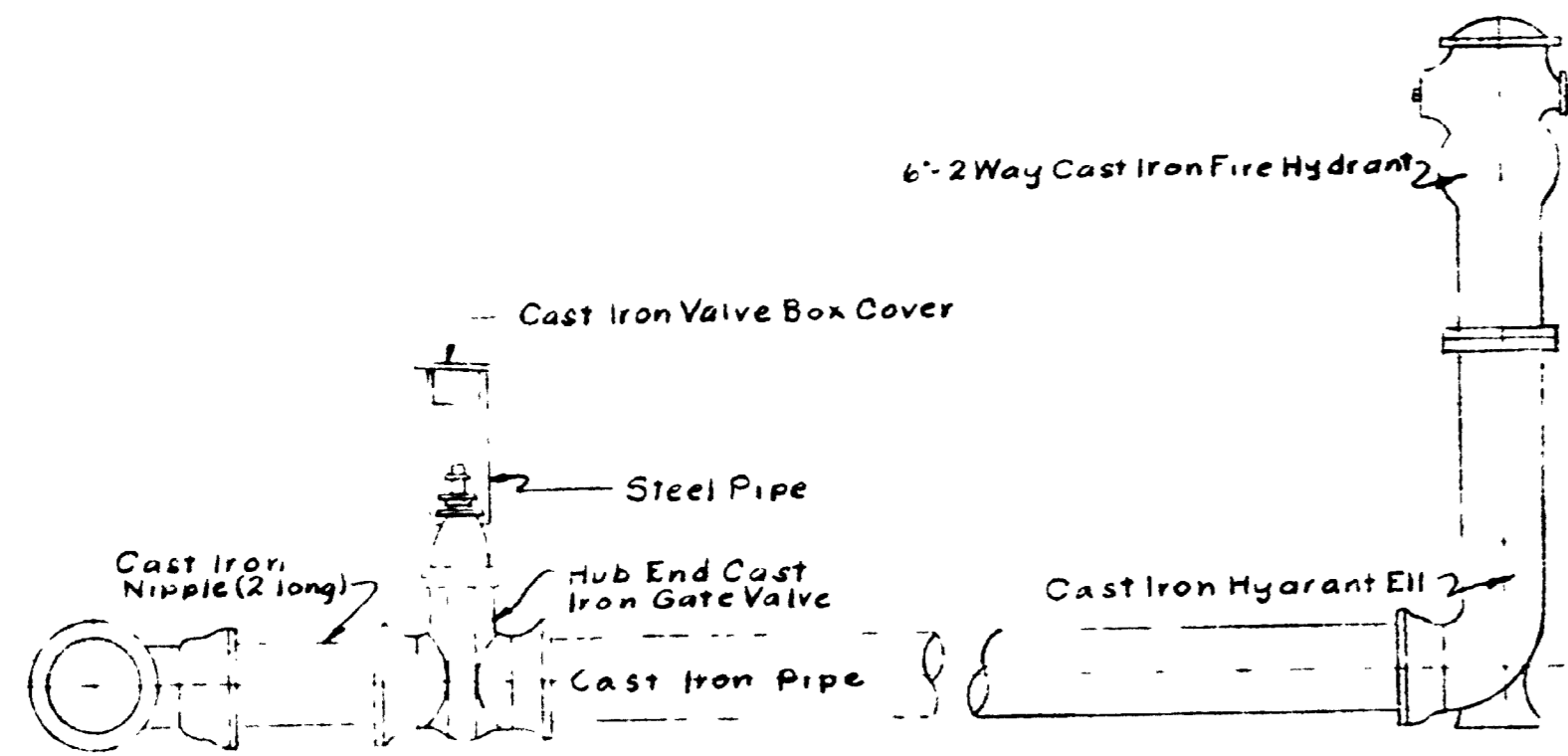
REGISTERED CIVIL ENGINEER NO 29

CITY PLANNING COMMISSION  
SAN DIEGO CALIFORNIA

**GIBBS MUNICIPAL AIRPORT**

SEPTIC TANK

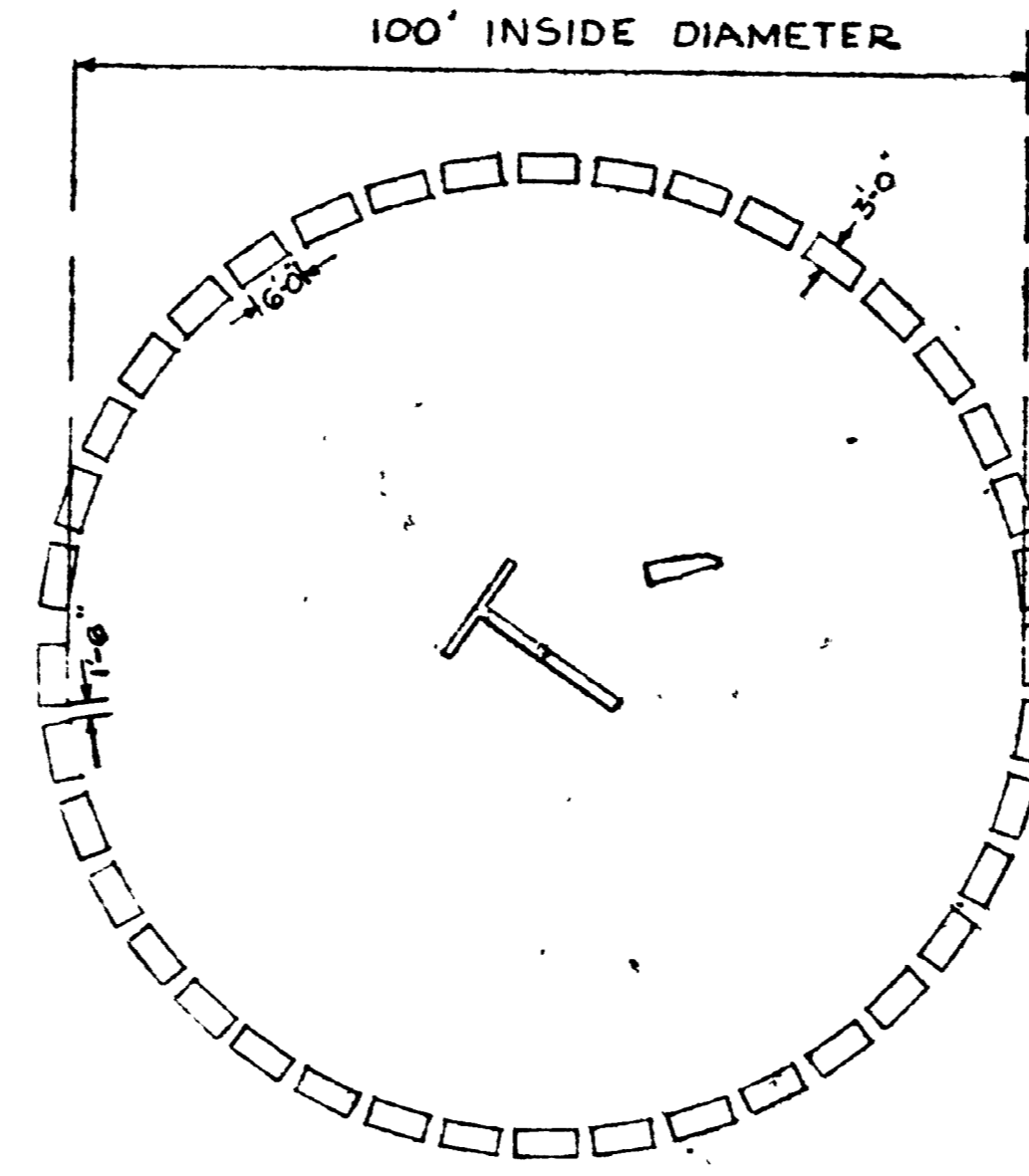
DRAWN BY: J.K. Patterson    SCALE: 1" = 10'-0"  
RECOMMENDED    DATE: MAR 48    SHEET 18 OF 37



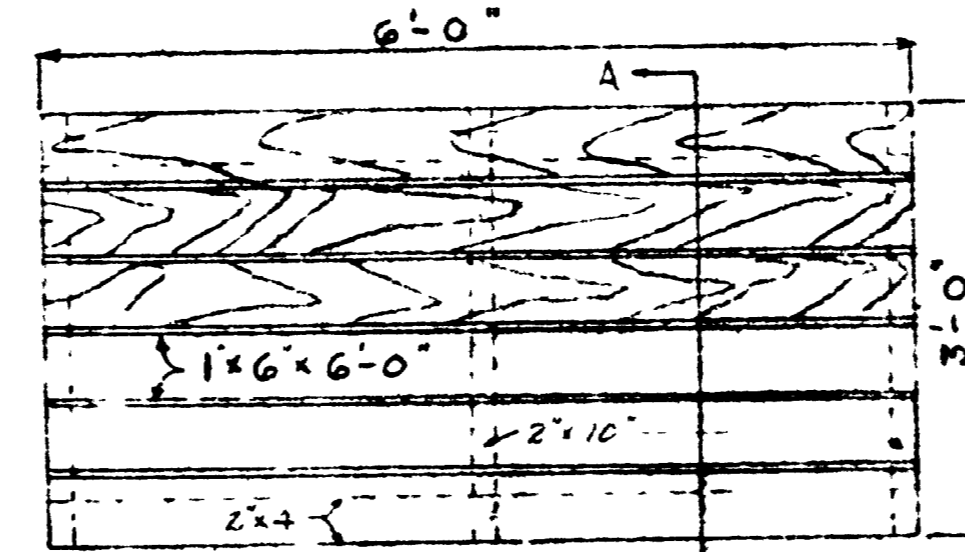
Fire Hydrant Connection to Main or Lateral  
 1-6" Cast Iron Tee  
 1-6" Cast Iron Nipple  
 1-6" Cast Iron Gate Valve  
 1-8" Steel Valve Box and Cast Iron Cover  
 1-6" Cast Iron Pipe  
 1-6" Cast Iron Hydrant Ell  
 1-6" 2 Way Fire Hydrant

NOTE:  
 2 Way Hydrants to be used for 1, 2, 3 & 7  
 3 Way Hydrants - - - - - 4 & 5

DETAIL OF FIRE HYDRANT CONNECTIONS

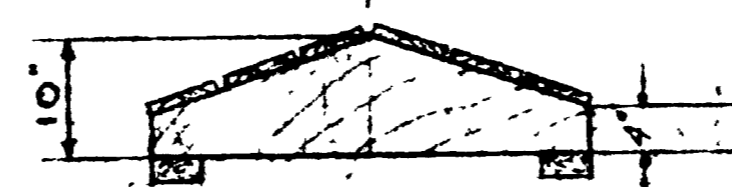


SEGMENTED CIRCLE MARKER  
 SCALE 1" = 20'-0"



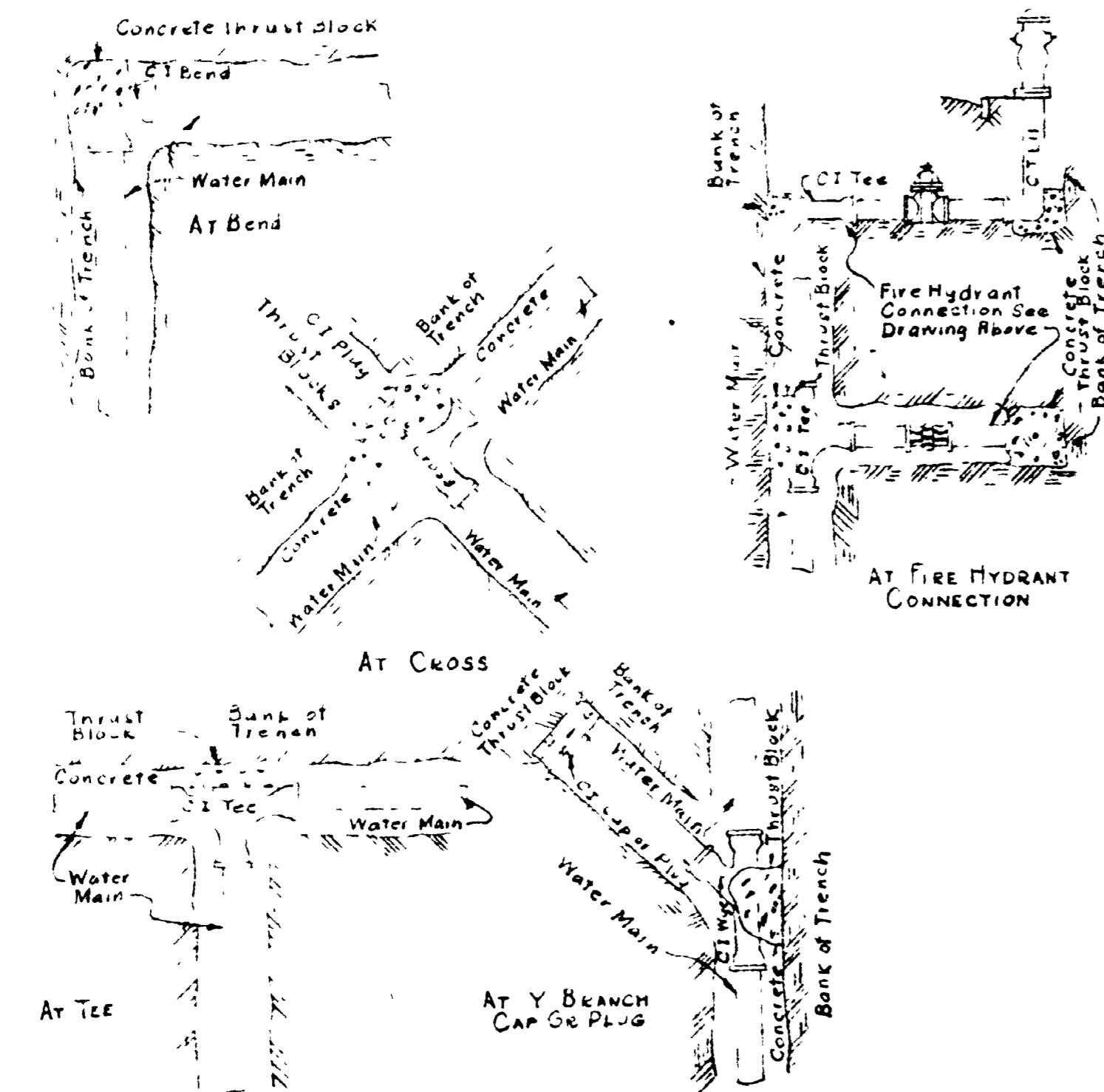
PLAN A

All Lumber to have 3 Coats White Paint



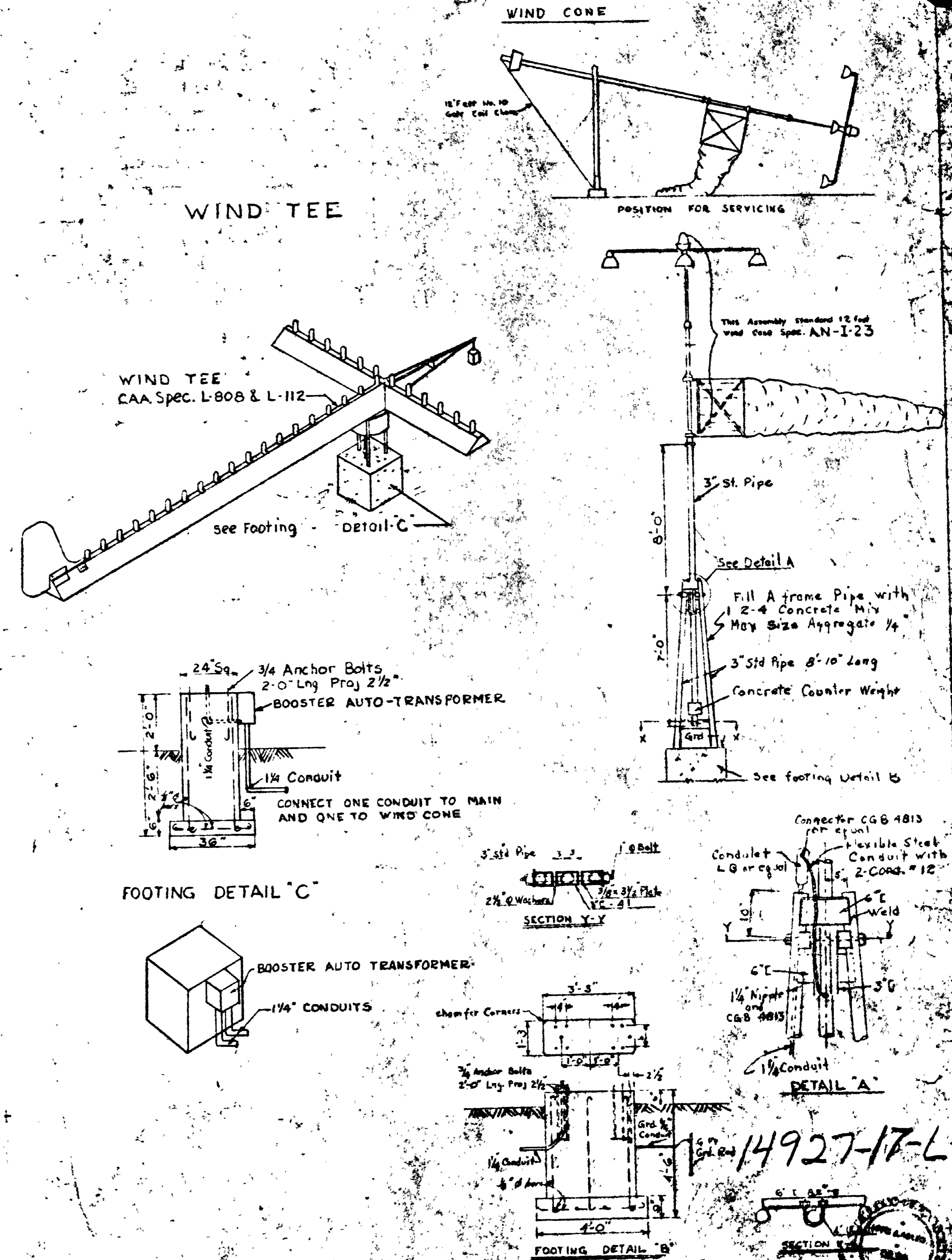
SECTION AA

QUANTITIES  
 8" Cast Iron Water Main - 5100 Lin Ft  
 Fire Hydrants 6" 2 Way - 5 Ea  
 6" 3 Way - 2 Ea  
 Gate Valves 8" C.I. - 4 Ea.



NOTE  
 Cement concrete thrust blocks shall be constructed at the locations shown here on where the respective fittings are shown to be installed in water mains and fire hydrant connections.  
 All concrete for thrust blocks shall be 1-3-5 mix Portland cement concrete  
 C.S. denotes cast iron

DRAWING-SHOWING-POSITIONS OF CONCRETE THRUST BLOCKS FOR CAST IRON FITTINGS IN WATER MAINS & FIRE HYDRANT CONNECTIONS



14927-17-L

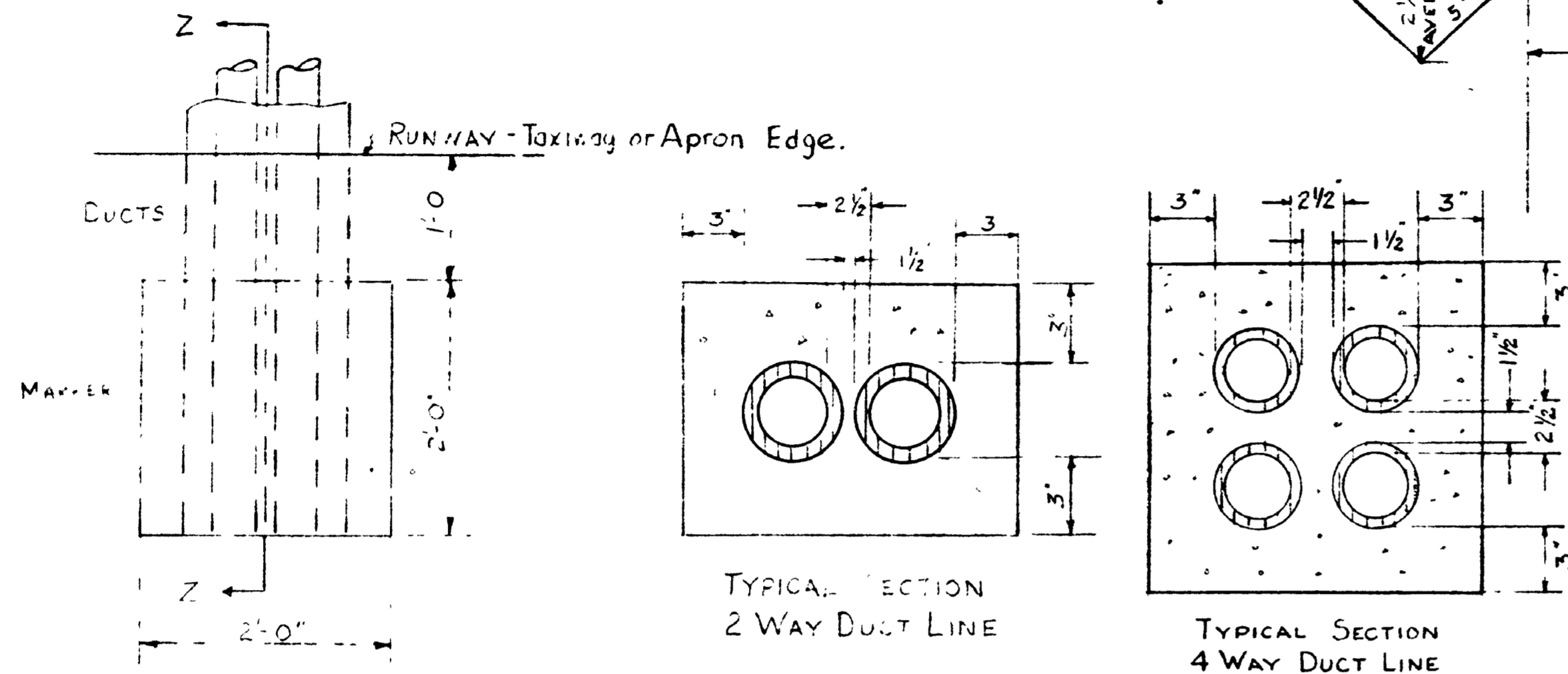
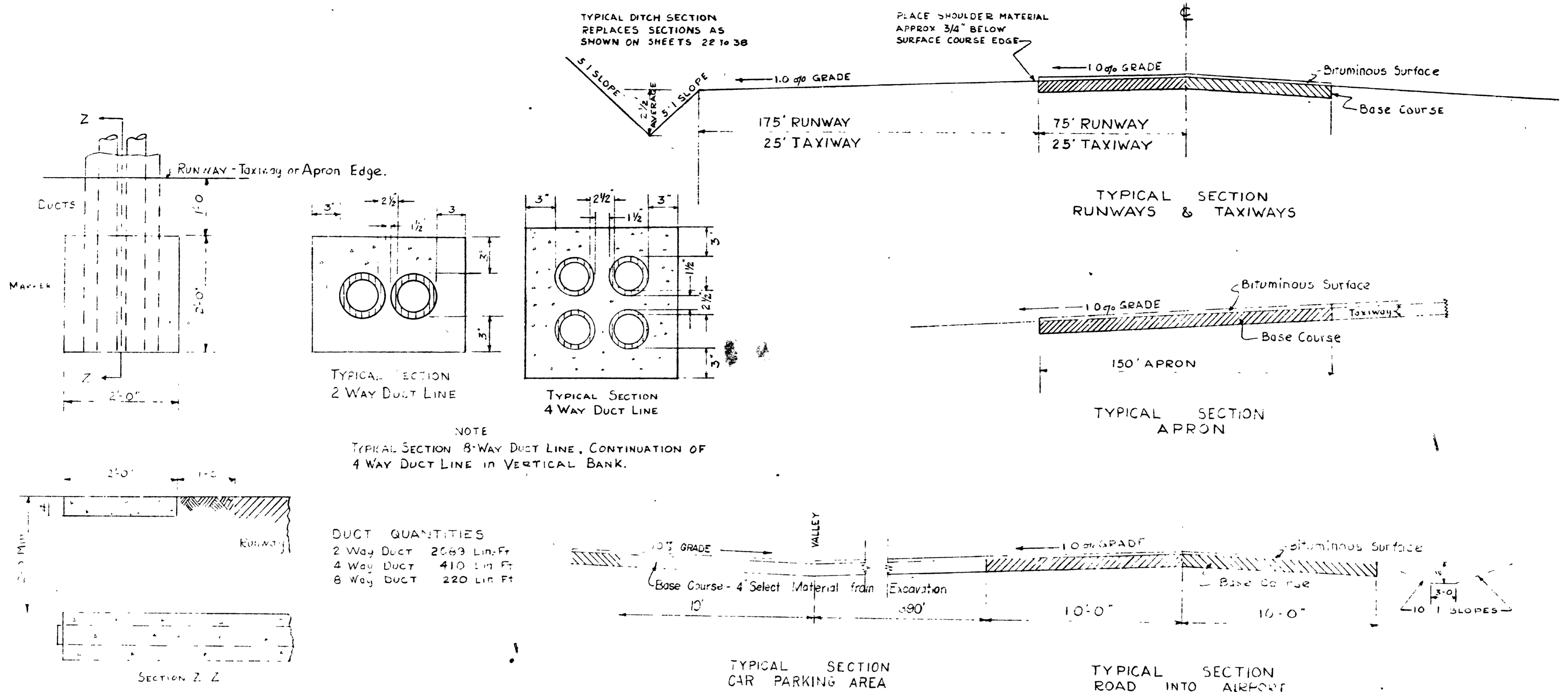
REGISTERED CIVIL ENGINEER NO. 225  
 CITY PLANNING COMMISSION  
 SAN DIEGO, CALIFORNIA

**GIBBS MUNICIPAL AIRPORT**

FIRE HYDRANT, THRUST BLOCKS, ETC.

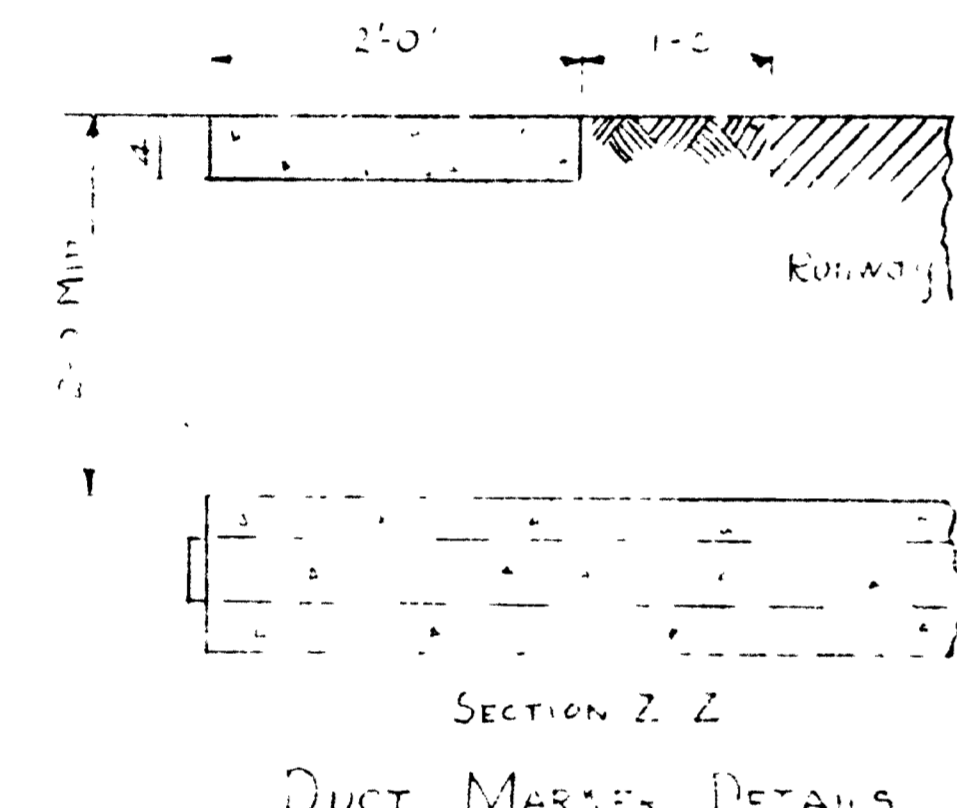
DRAWN BY: J. E. PUGH  
 RECHECKED BY: J. E. PUGH  
 APPROVED BY: J. E. PUGH





DUCT QUANTITIES

2 Way Duct	2683 Lin-Ft
4 Way Duct	410 Lin-Ft
8 Way Duct	220 Lin-Ft



- ALTERNATE TYPES OF PAVING
- ALTERNATE 'A' 6" Graded Aggregate Base Course with 1 1/2" A.C Surface
  - " 'B' 6" Soil Cement Stabilized Base Course with 1 1/2" A.C Surface
  - " 'C' 4" Emulsified Asphalt Stabilized Base Course with 3/4" Bituminous Surface As Built
  - " 'D' 4" Cut Back Asphalt Stabilized Base Course with 3/4" Bituminous Surface

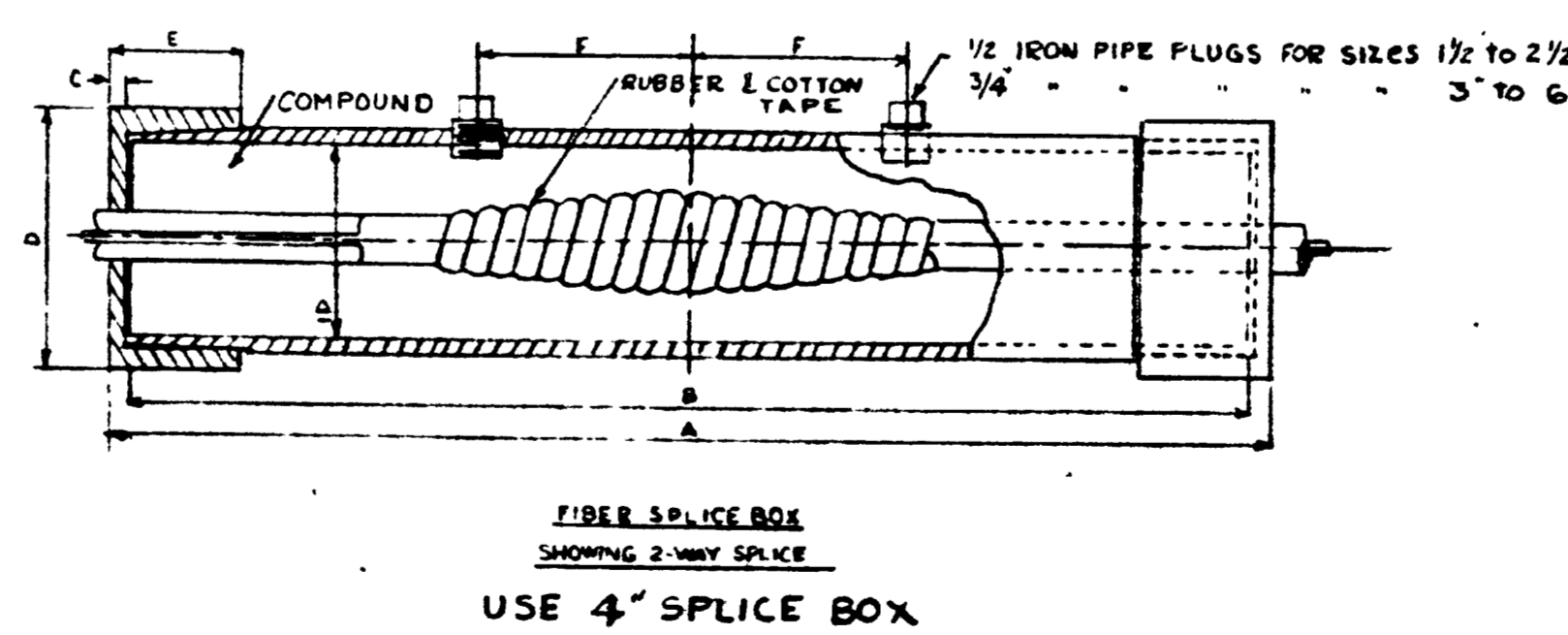
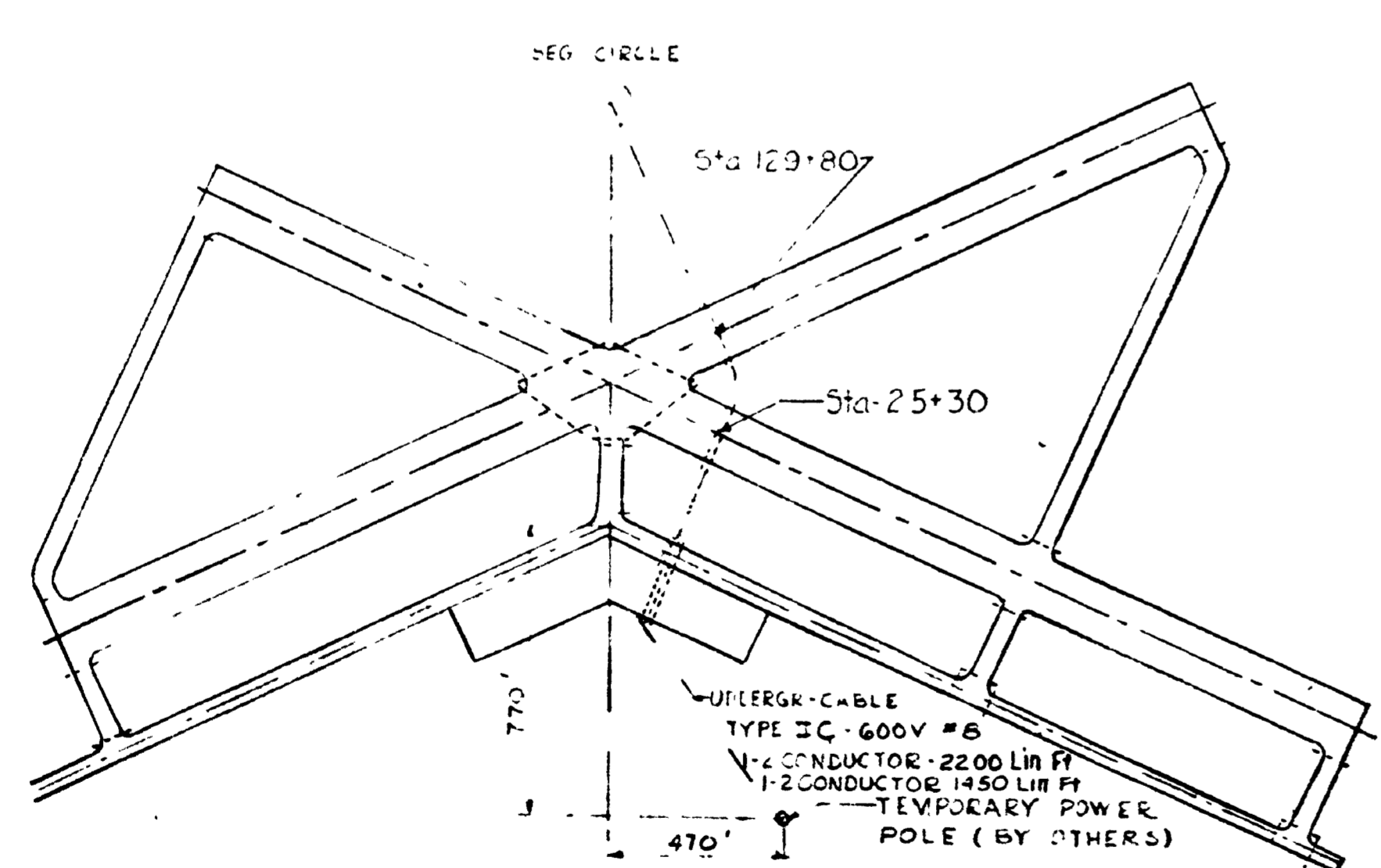


TABLE OF FIBER SPLICE BOX SIZES AVAILABLE IN INCHES

	A	B	C	D	E	F
1/2	5 1/4	1 1/4	2 1/2	1 1/2	1 1/2	1 1/2
2	6 1/4	1 1/2	3 1/4	2 1/4	2 1/4	2 1/4
2 1/2	6 3/4	1 3/4	3 3/4	2 3/4	2 3/4	2 3/4
3	7 1/4	2 1/4	4 1/4	3 1/4	3 1/4	3 1/4
3 1/2	7 3/4	2 3/4	4 3/4	3 3/4	3 3/4	3 3/4
4	8 1/4	3 1/4	5 1/4	4 1/4	4 1/4	4 1/4
4 1/2	8 3/4	3 3/4	5 3/4	4 3/4	4 3/4	4 3/4
5	9 1/4	4 1/4	6 1/4	5 1/4	5 1/4	5 1/4
6	9 3/4	4 3/4	6 3/4	5 3/4	5 3/4	5 3/4

14927-18-L

REGISTERED CIVIL ENGINEER NO 29

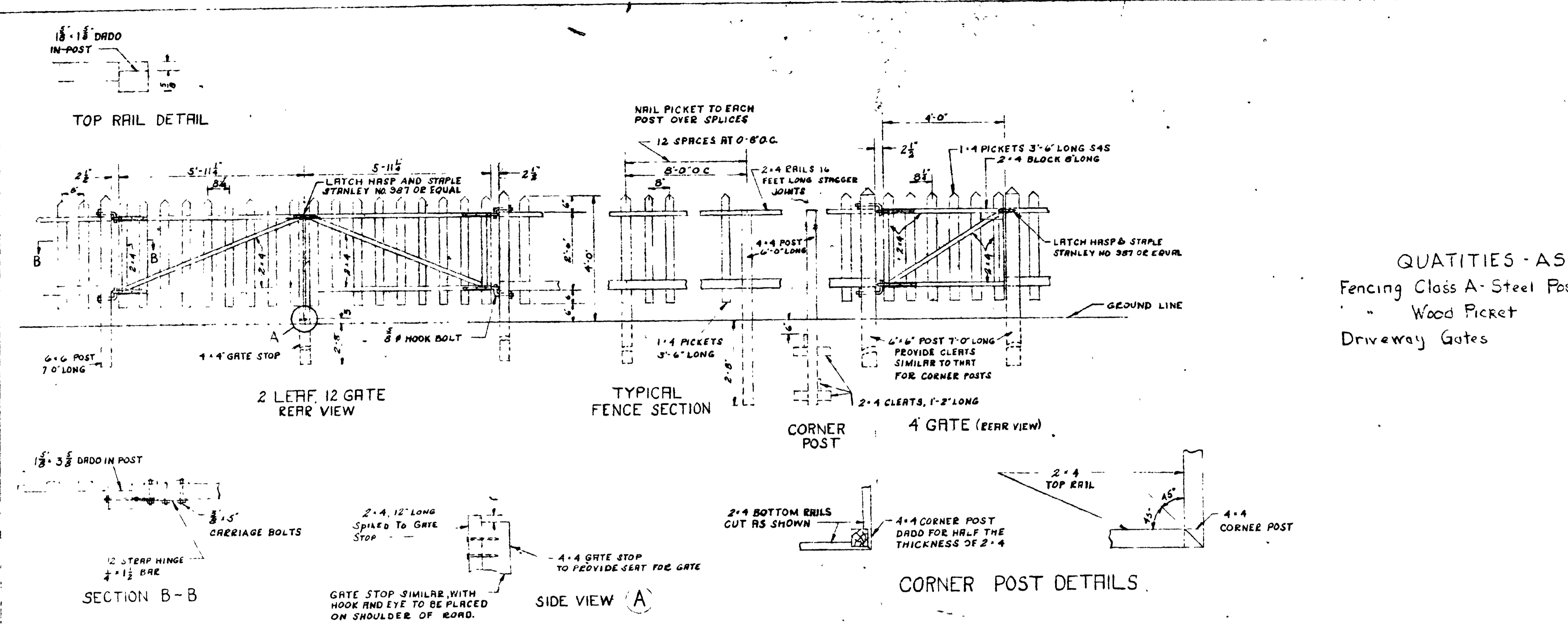
CITY PLANNING COMMISSION  
SAN DIEGO, CALIFORNIA

GIBBS MUNICIPAL AIRPORT

PAVING AND DUCT PLAN

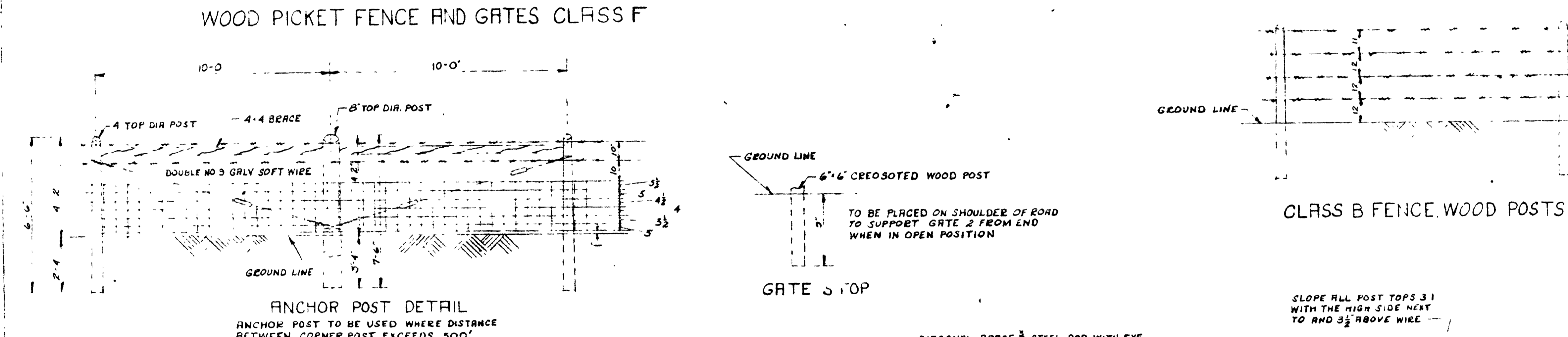
DRAWN BY: J.K. Patterson SCALE

APPROVED DATE: MAR 49 SHEET 20 OF 57



QUANTITIES - AS BUILT

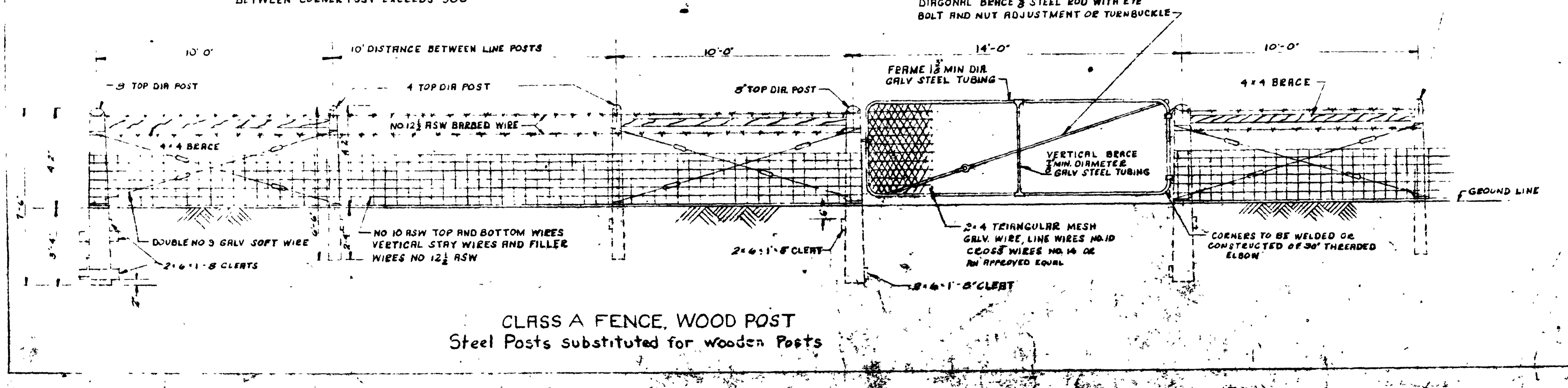
Fencing Class A - Steel Posts	16485 Lin Ft
Wood Picket	800 "
Driveway Gates	2 ea



NOTE: ALL DETAILS FOR CLASS B FENCE THE SAME AS FOR CLASS A EXCEPT FOR THE USE OF BARBED WIRE IN LIEU OF WOVEN WIRE

FENCE NOTES

- 1 ALL POSTS TO BE OF APPROVED WOOD SPECIES
- 2 STAPLES NO 9 GALVANIZED STEEL WIRE, 1 LONG FOR HARDWOOD, 1 1/2 FOR SOFTWOOD
- 3 CLEAR FENCE LINE FOR UNIFORM GRADE
- 4 ALL WIRE AND FITTINGS NOT DIP GALVANIZED



CLASS A FENCE, WOOD POST  
Steel Posts substituted for wooden Posts

14927-19-L

REGISTERED CIVIL ENGINEER NO. 29

CITY PLANNING COMMISSION  
SAN DIEGO, CALIFORNIA

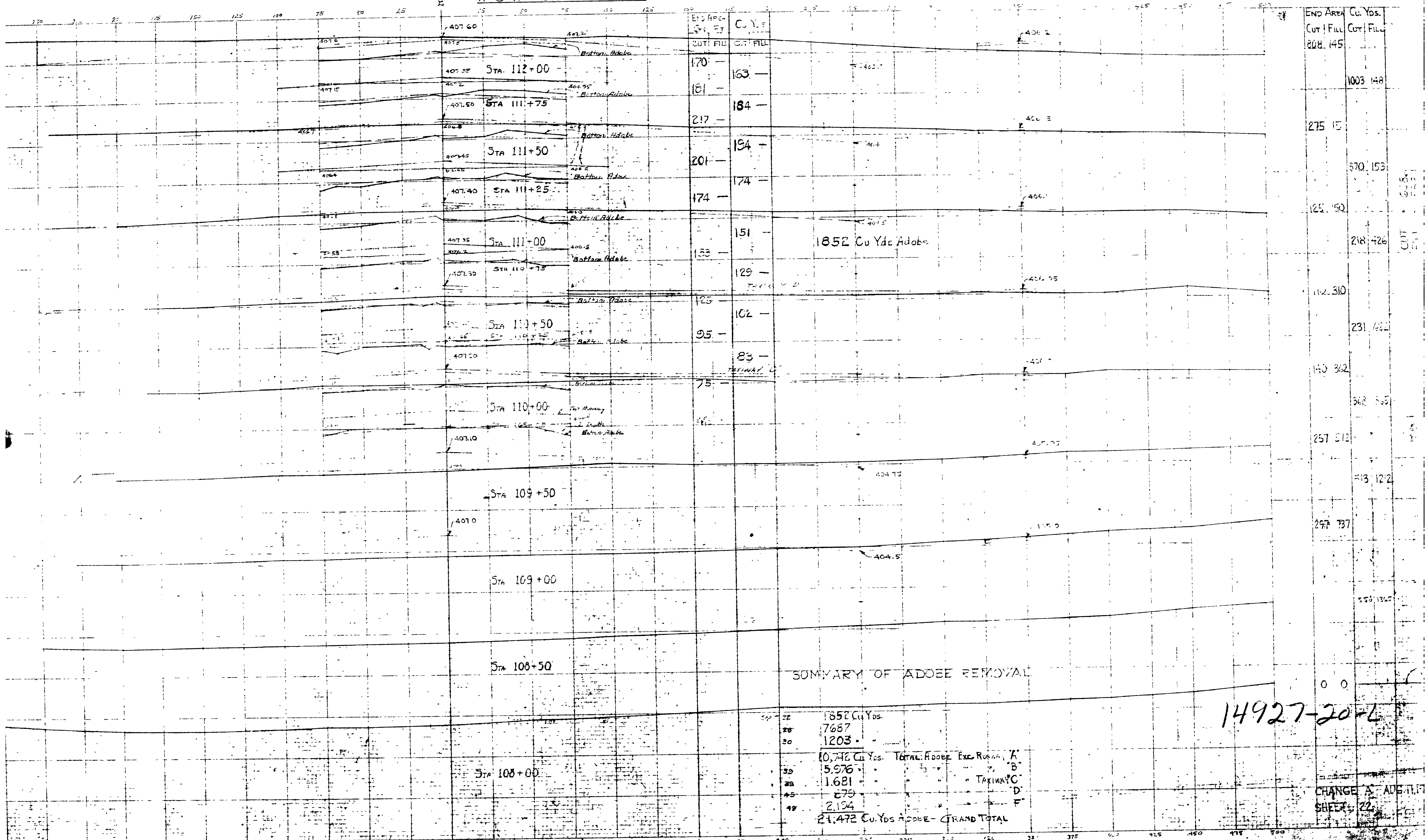
**GIBBS MUNICIPAL AIRPORT**

FENCING DETAILS

DRAWN BY J.C. Rutter and RECOMMENDED APPROVED SCALE - DATE - Mar 48 SHEET 21 of 37



WSW-ENE RUNWAY



SUMMARY OF ADOBE REMOVAL

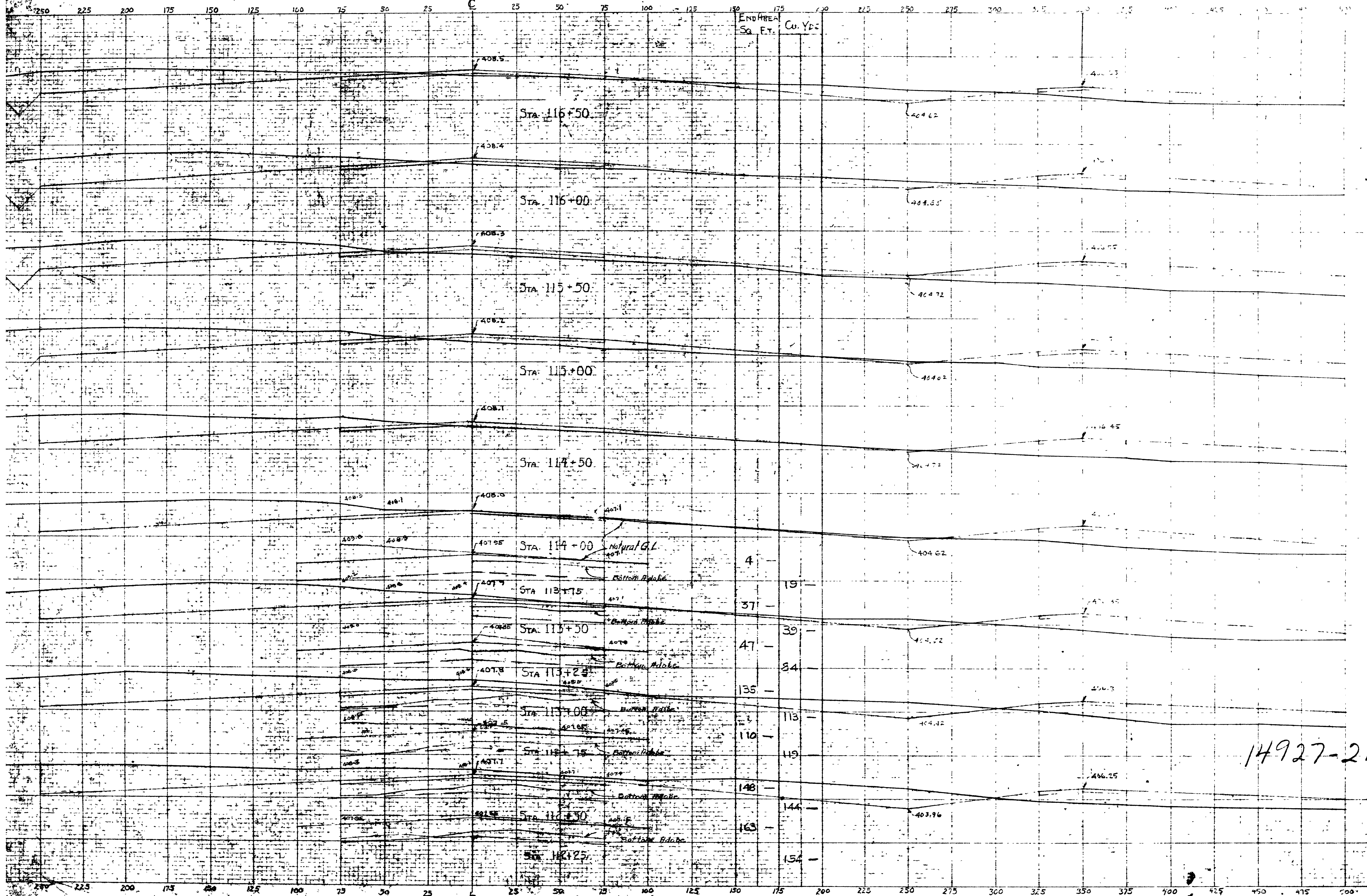
22	1852 Cu Yds.	
28	7687	
30	1203	
33	10,742 Cu Yds.	TOTAL ADOBE
39	5,976	Exc Runway 'A'
43	1,681	" 'B'
45	879	Taxiway 'C'
49	2,194	" 'D'
	21,472 Cu Yds Adobe	GRAND TOTAL

14927-20-6

CHANGE SHEET 22



WSW-ENE RUNWAY



END STA	Area	Cu. Yds
Sta	Cut	Fill
116+50	188	1181
115+50	607	1106
115+00	690	1036
114+50	412	932
114+00	520	982
113+75	335	599
113+50	312	777
113+25	581	1562
113+00	315	910
112+75	178	517
112+25	361	1285
112+00	267	950
111+75	381	1628

14927-21-L 112+85

CHANGE "A" AUG. 11, 1948  
SHEET 23

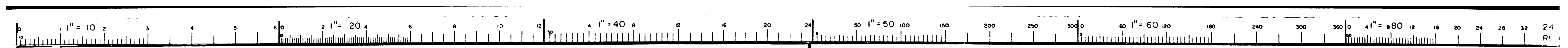
KEUFFEL & ESSER CO.  
NEW YORK

THE STANDARD  
DRAWING  
CROSS SECTION IN  
CONCRETE  
PIPE

KEUFFEL & ESSER CO.  
NEW YORK

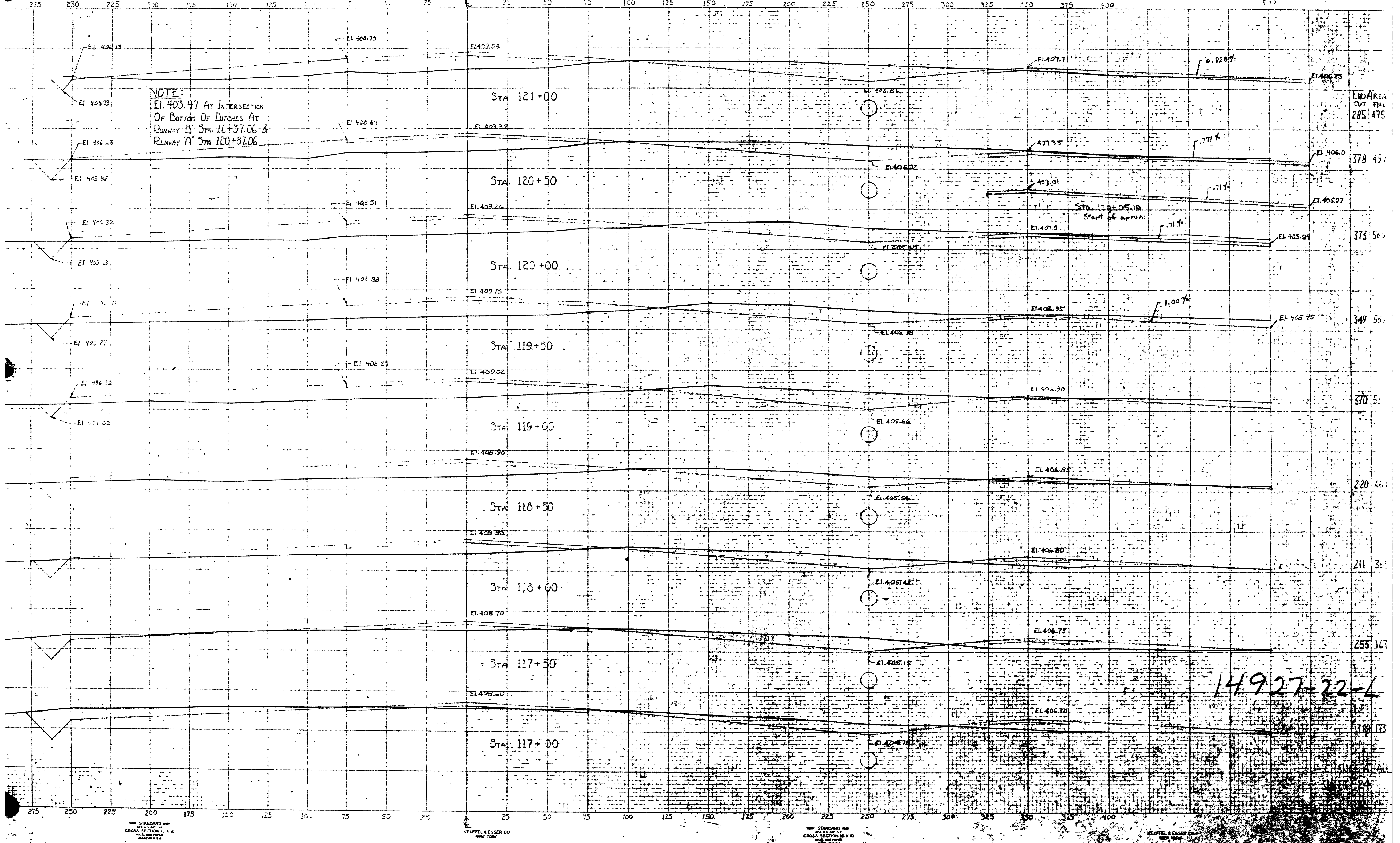
THE STANDARD  
DRAWING  
CROSS SECTION IN  
CONCRETE  
PIPE





WSW-ENE RUNWAY

NOTE:  
 EL. 403.47 AT INTERSECTION  
 OF BOTTOM OF DITCHES AT  
 RUNWAY B STA. 16+37.06 &  
 RUNWAY A STA. 120+87.06



14927-22-1

STANDARD  
 CROSS SECTION NO. 10  
 MADE IN U.S.A.

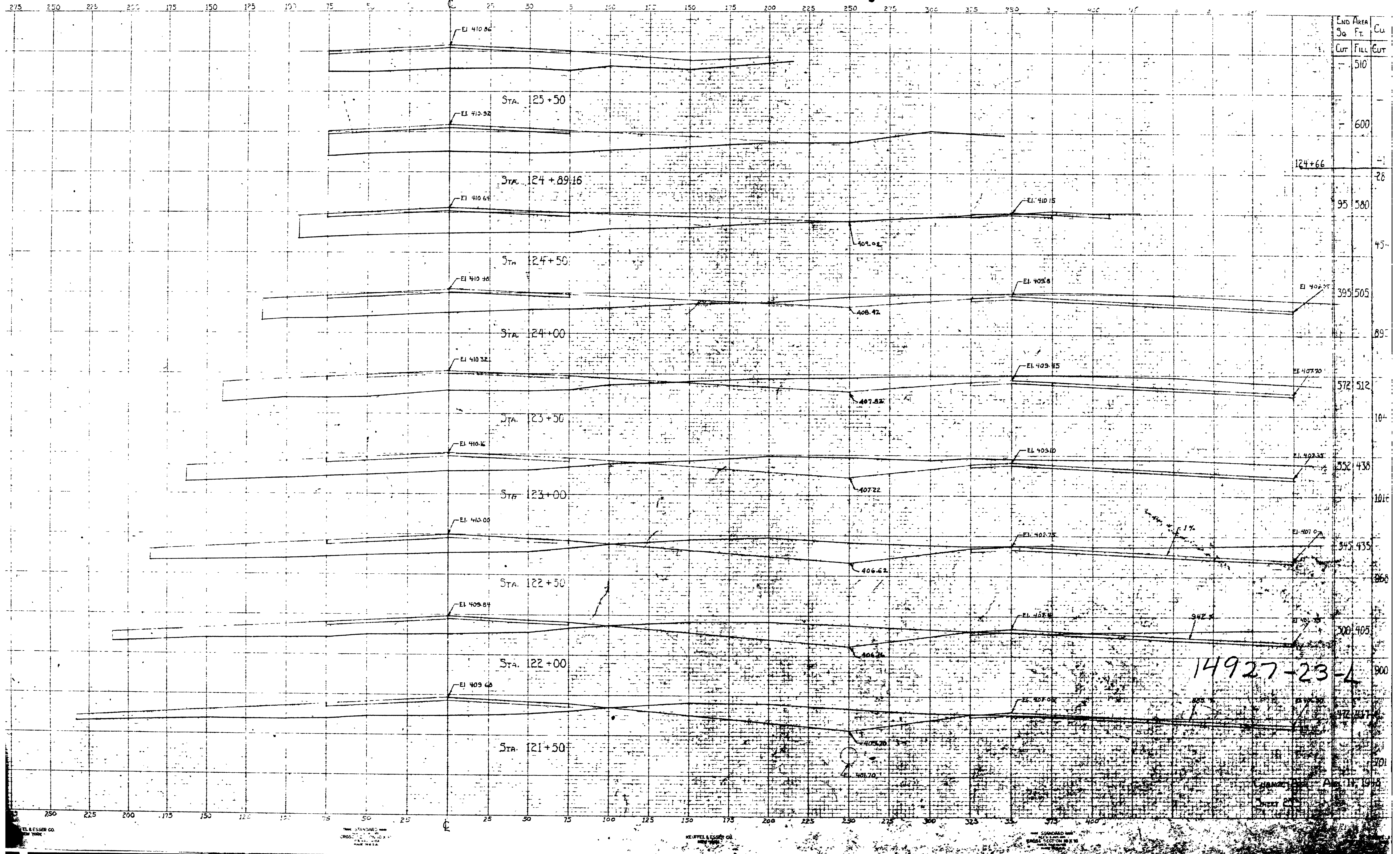
KEUFFEL & ESSER CO.  
 NEW YORK

STANDARD  
 CROSS SECTION NO. 10  
 MADE IN U.S.A.

KEUFFEL & ESSER CO.  
 NEW YORK



WSW - ENE RUNWAY

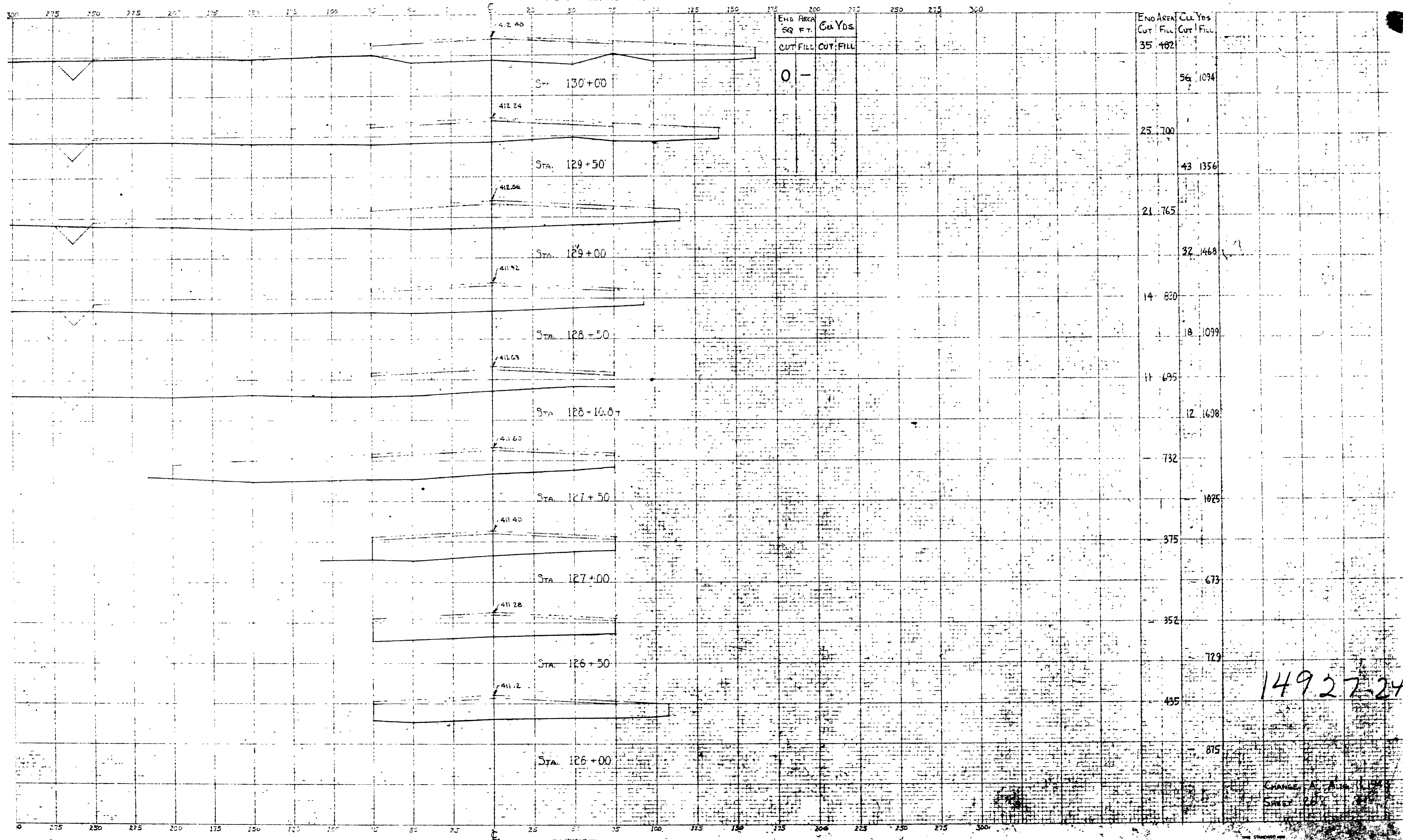


END AREA	So	Ft.	Cu
Cut			510
Fill			600
	124+66		28
		95	580
			45
		395	505
			89
		572	512
			104
		552	438
			101
		545	435
			268
		500	405
			900
		472	417
			301

14927-23-L



WSW-ENE RUNWAY



14927.24

CHANGE A. ALTA 11/19/94  
 DRAWN BY: [Signature]

KUFFEL & ESSER CO.  
 NEW YORK

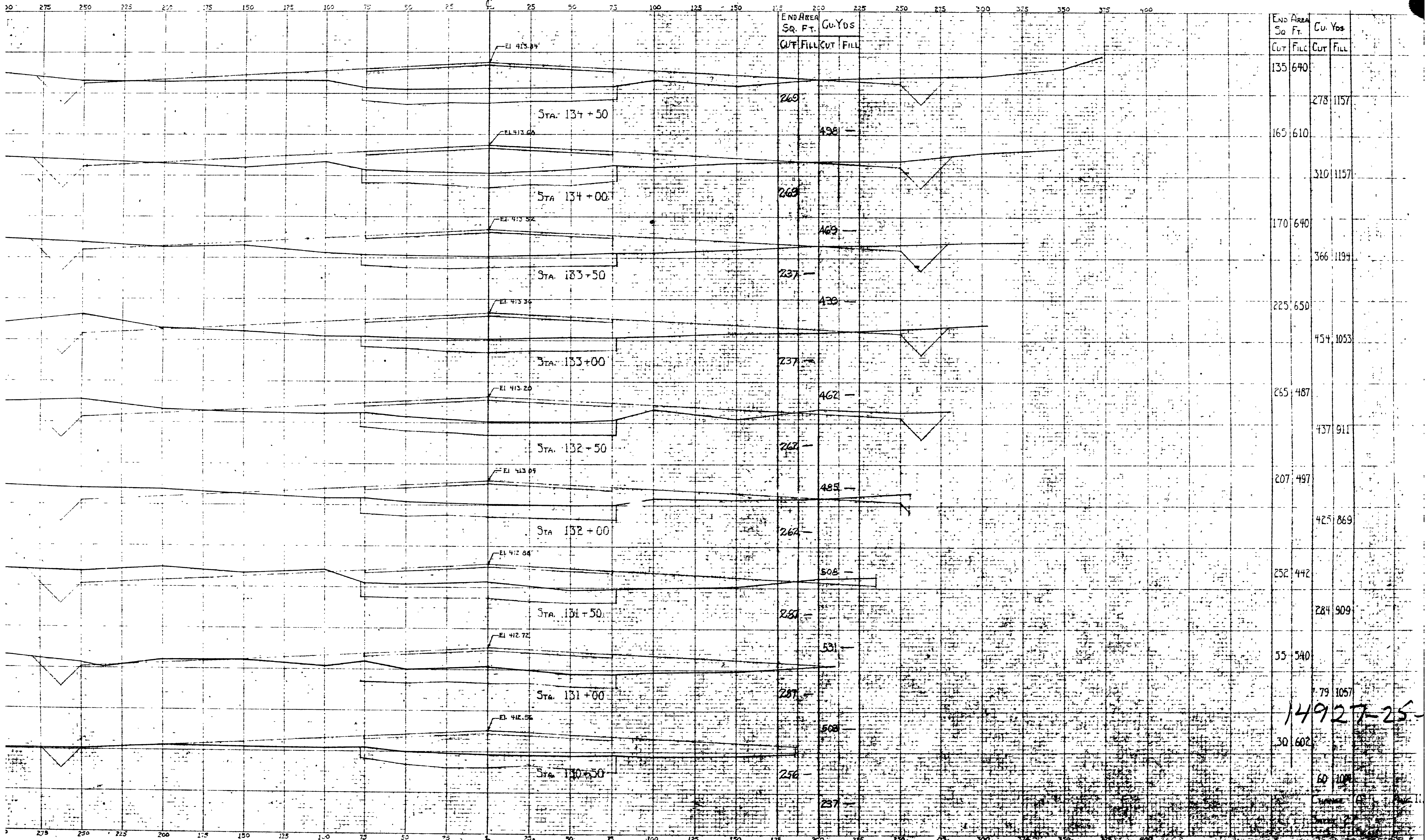
THIS STANDARD DRAWING IS TO BE USED FOR CROSS SECTIONS 10' x 10' AND AREA  
 MADE IN U.S.A.

KUFFEL & ESSER CO.  
 NEW YORK

THE STANDARD DRAWING IS TO BE USED FOR CROSS SECTIONS 10' x 10' AND AREA  
 MADE IN U.S.A.



WSW-ENE RUNWAY



14927-25

THE STANDARD  
MAP & PLANING CO.  
CROSS SECTION 10 X 10  
NEW YORK

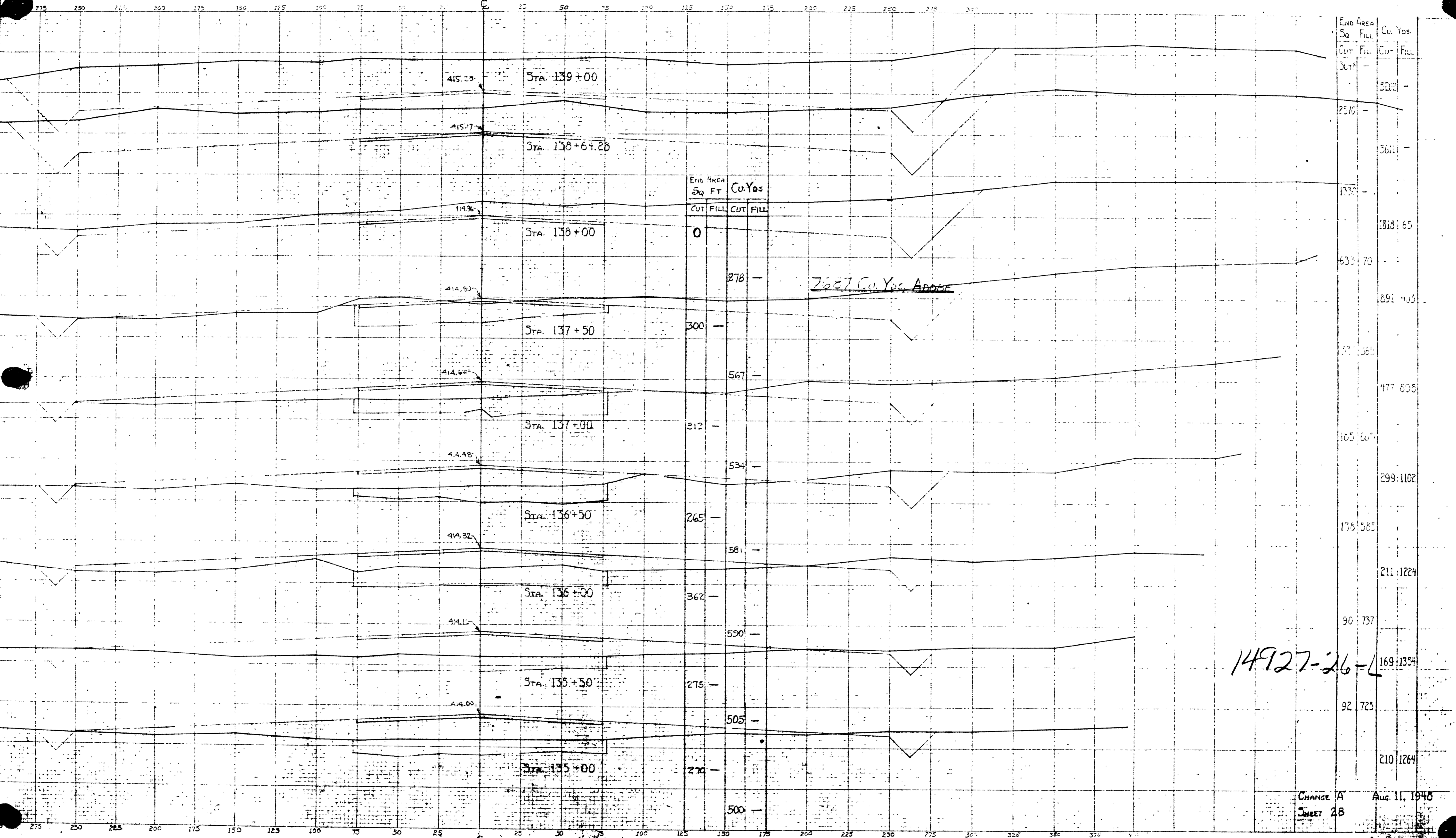
KEMPEL & ESSNER CO.  
NEW YORK

THE STANDARD  
MAP & PLANING CO.  
CROSS SECTION 10 X 10  
NEW YORK

KEMPEL & ESSNER CO.  
NEW YORK



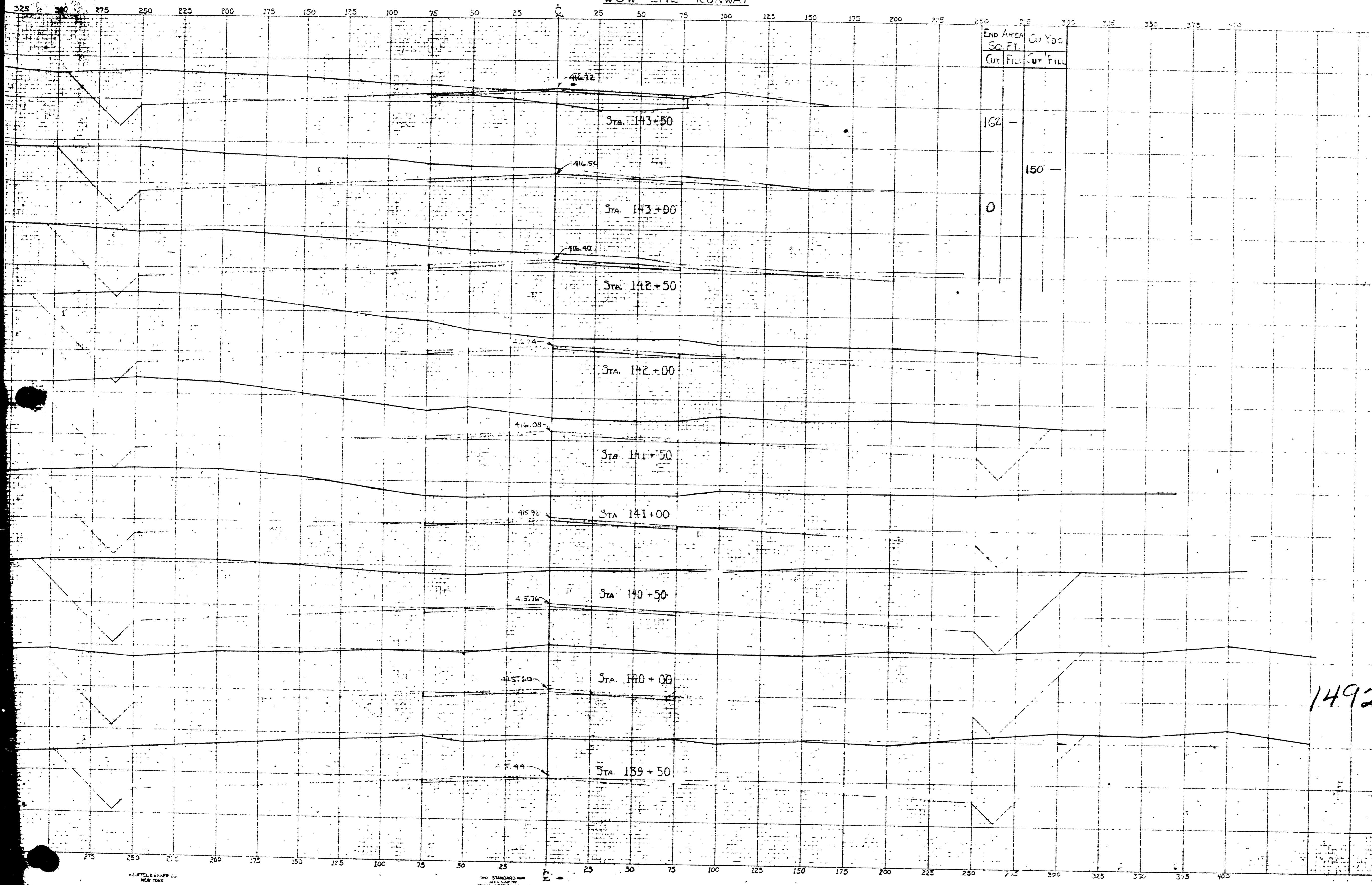
WSW-ENE RUNWAY



14927-26-4

CHANGE A  
 SHEET 28  
 Aug. 11, 1948

WSW-ENE RUNWAY



END AREA	Cu. Yds.	
SQ. FT.	Cut	Fill
162	-	-
0	-	150

END AREA	Cu. Yds.	
SQ. FT.	Cut	Fill
725	-	1634
1045	-	2153
1285	-	3208
2180	-	4706
2600	-	5698
3122	-	6073
3437	-	6378
3550	-	6378
3338	-	5913

14927-27-L

50027  
27297  
50027

CHANGE A  
SHEET 27

KEUFFEL & ESSER CO  
NEW YORK

STANDARD  
MAPS  
INCORPORATED  
NEW YORK

KEUFFEL & ESSER CO  
NEW YORK

STANDARD  
MAPS  
INCORPORATED  
NEW YORK



WSW-ENE RUNWAY



Sta.	Cut	Fill	Cu. Yds.
146+00	0	0	0
147+50	0	0	0
148+00	0	231	231
149+00	250	0	250
149+50	452	0	452
150+00	238	370	608

Sta.	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
146+00	0	0	0	0
147+50	0	0	0	0
148+00	260	515	481	954
149+00	350	350	569	801
149+50	490	48	782	369
150+00	1125	44	1492	7-28-L

20225  
2106  
2365  
27500  
Cu. Yds.  
Fill + 10%  
Waste

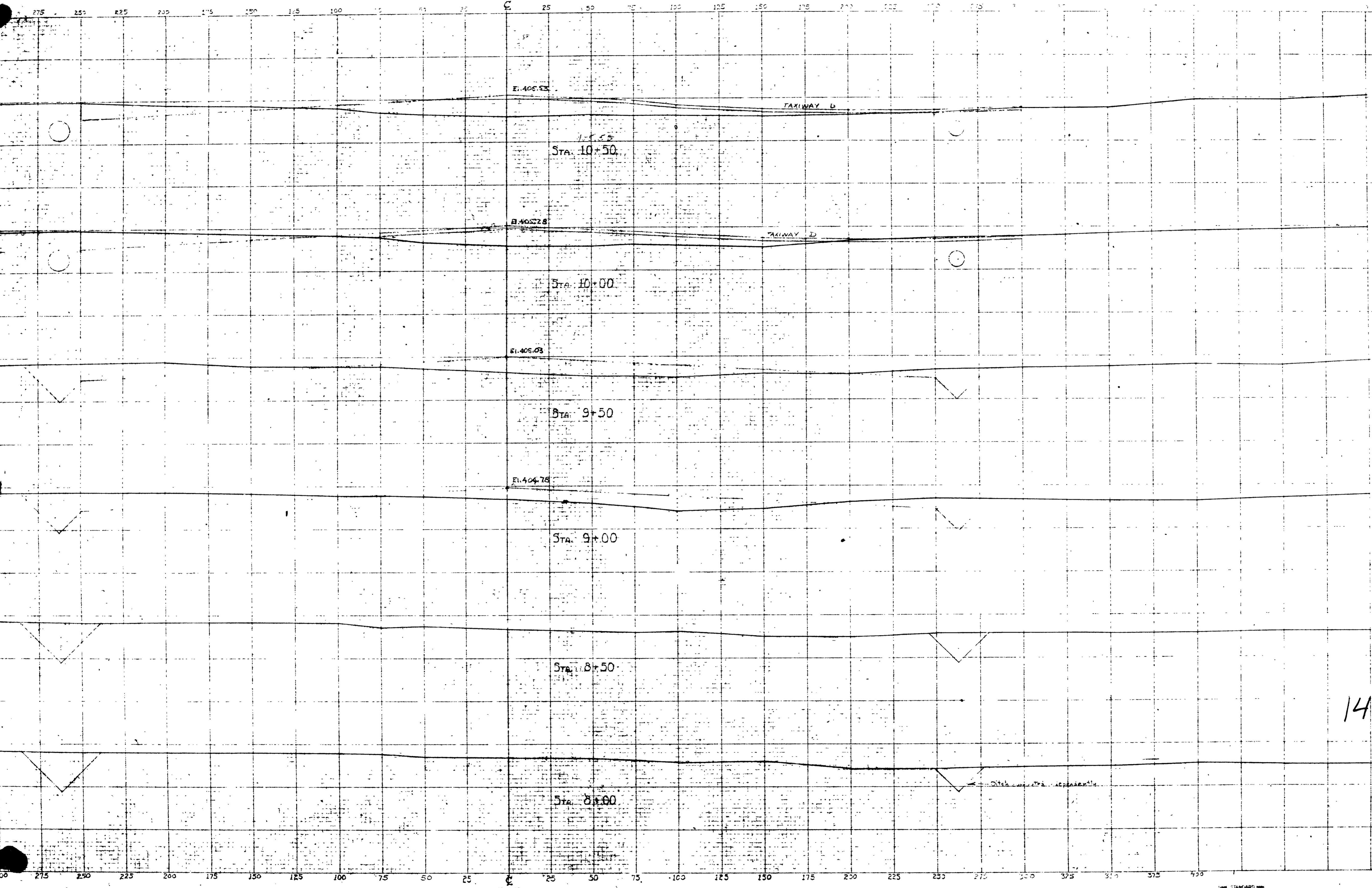
1203 Cu. Yds. Area

14927-28-L

CHANGE A Aug. 11, 1986  
SHEET 30



WNW-ESE RUNWAY



END AREA	Co Yds
CUT/FILL	CUT/FILL
120	445
	285 150
168	365
	489 639
340	325
	681 562
462	282
	744 522
	0
CHANGE K	AVG. 11/2/48
SHEET	31

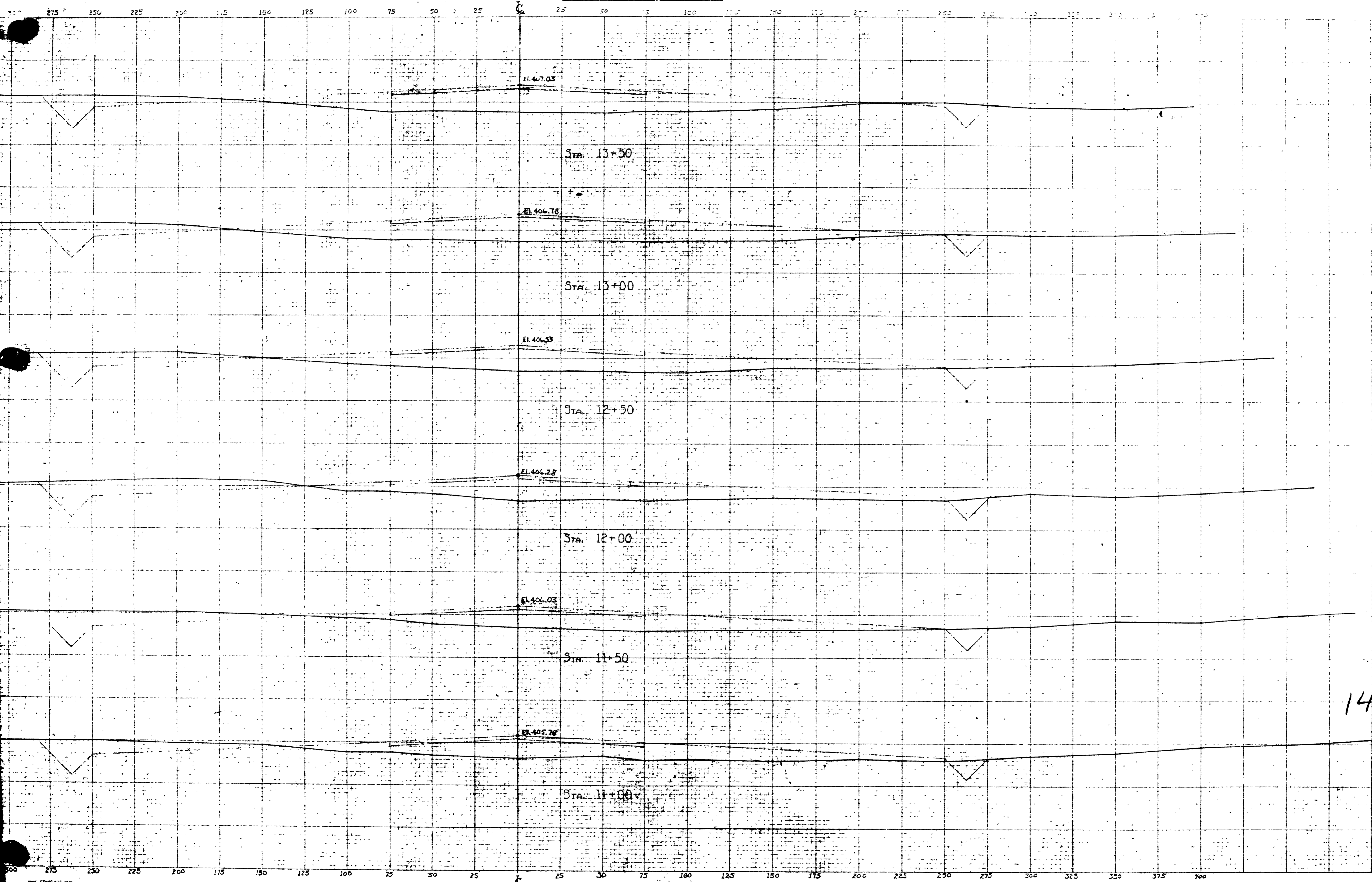
14927-29-L

300 275 250 225 200 175 150 125 100 75 50 25 0 25 50 75 100 125 150 175 200 225 250 275 300 325 350 375 400



1" = 10' 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 1" = 20' 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 1" = 40' 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 1" = 50' 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1" = 60' 120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1000 1" = 80' 16 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80 84 88 92 96 100 1" = 100' 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100 24 TO 1 REDUCTION

WNW-ESE RUNWAY



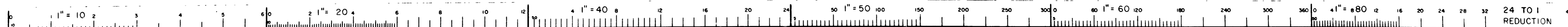
ELD AREA	Cu. Yds.
CUT	FILL
178	670
50	350
200	140
50	331
212	606
50	456
280	510
50	405
255	475
50	432
212	508
50	307

14927-30-2

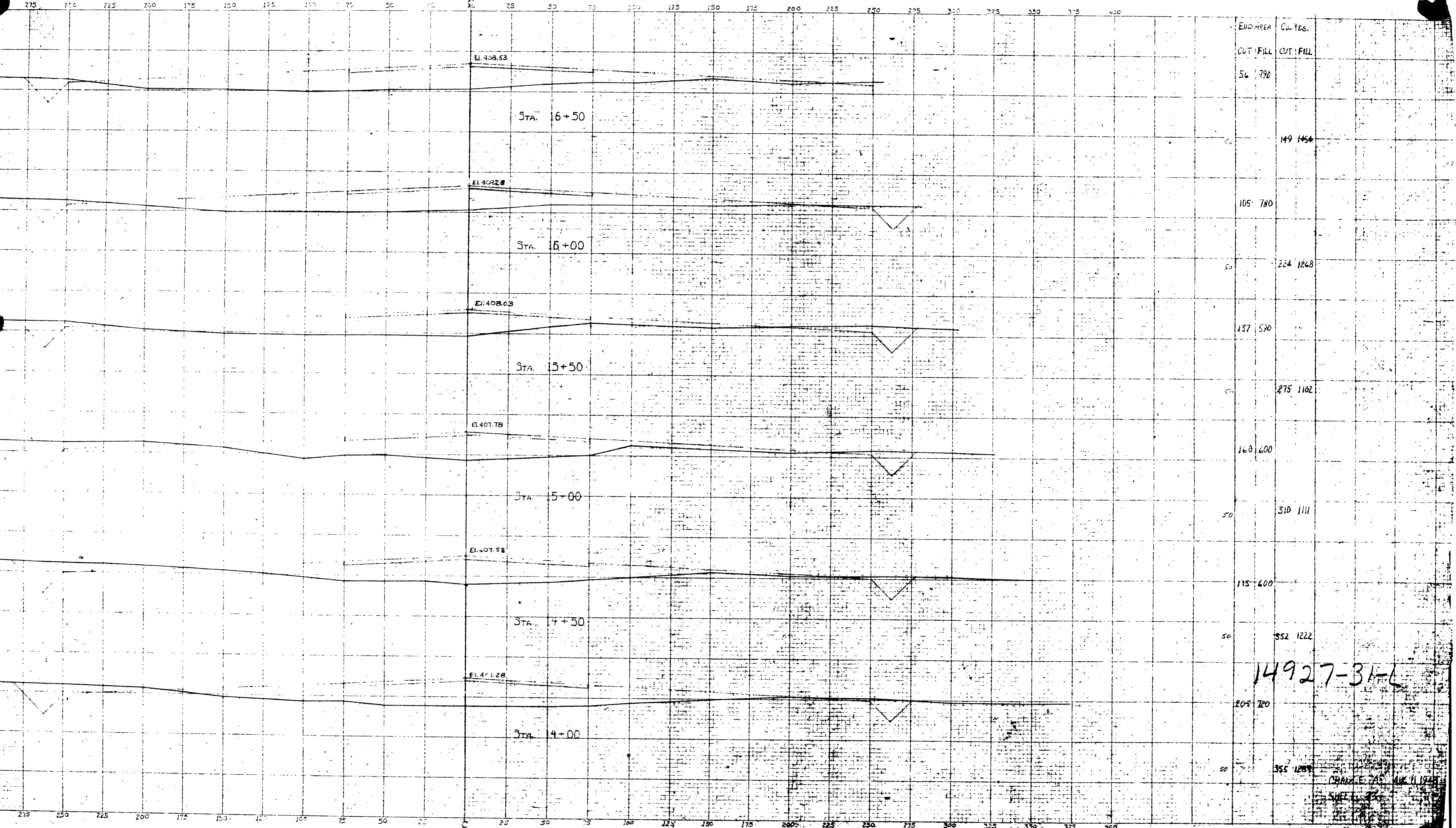
CHANGE A AUG. 1, 1948  
SHEET 32

1" = 10' 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 1" = 20' 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 1" = 40' 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 1" = 50' 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1" = 60' 120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1000 1" = 80' 16 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80 84 88 92 96 100 1" = 100' 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100





WINW-ESE RUNWAY

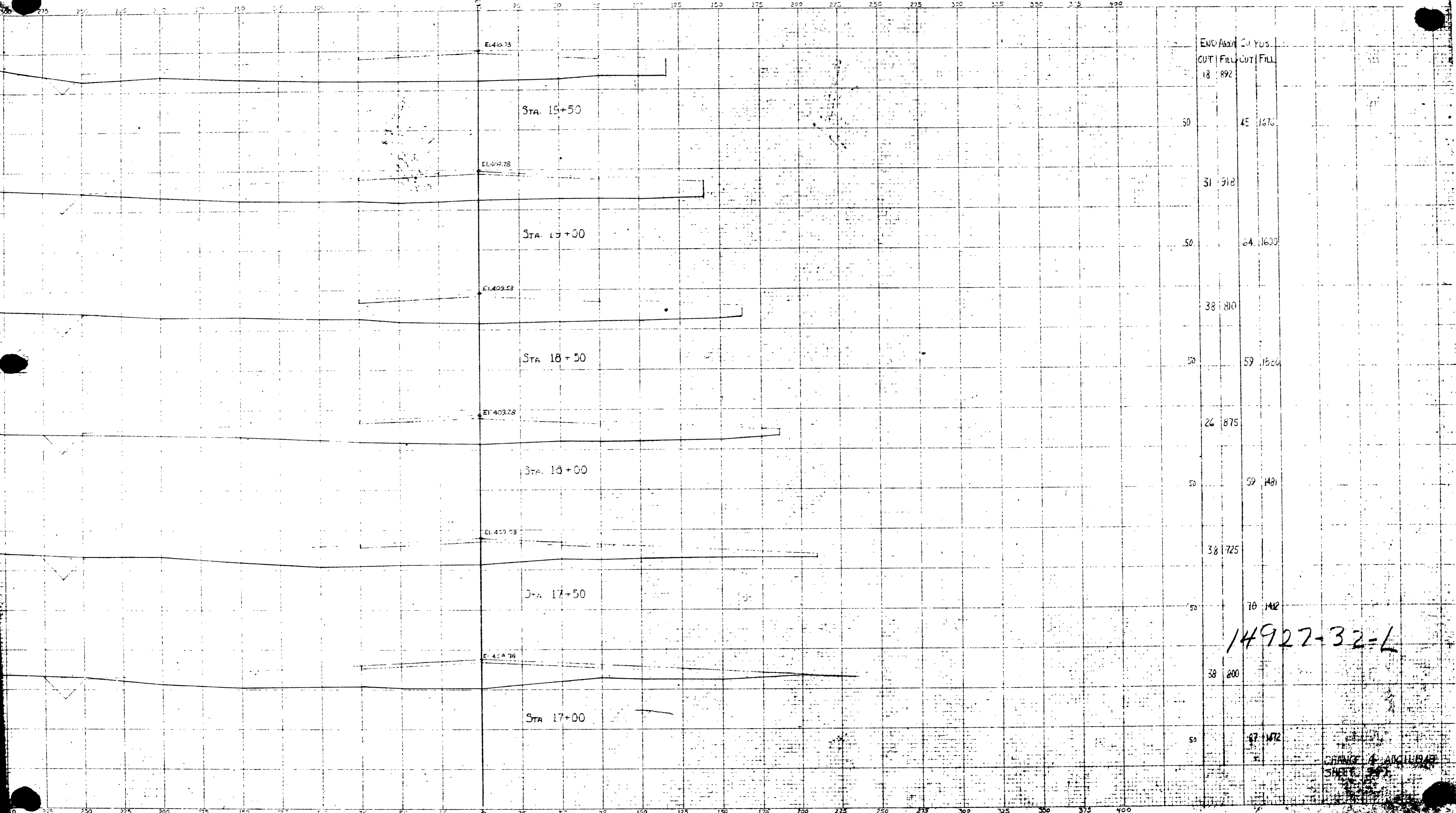


END AREA	CUT: FILL	CUT: FILL	CUT: FILL
56	790		
		149	1454
105	780		
		224	1248
137	590		
		275	1102
160	600		
		310	1111
115	600		
		552	1222
205	720		
		355	1289

14927-31-L

CHANGE SHEET NO. 11 1974

WNW-ESE RUNWAY



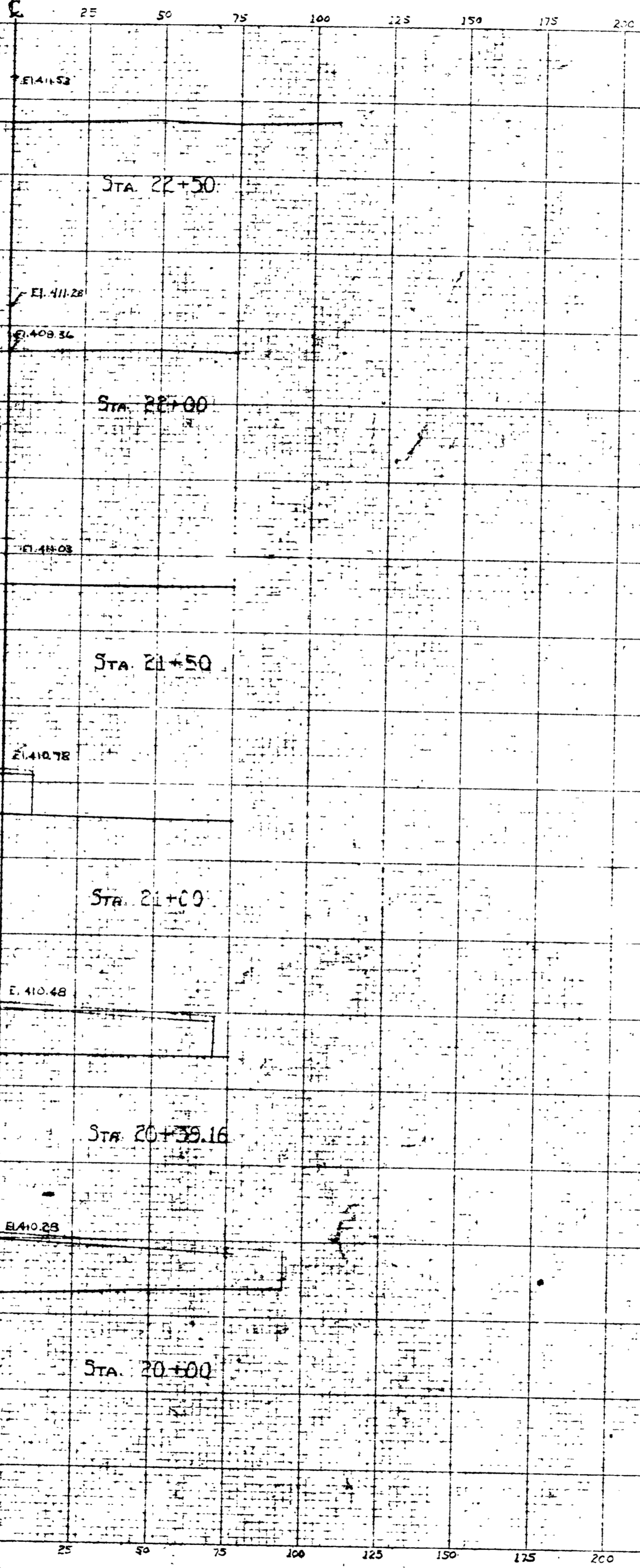
14927-32-L

CHANGE SHEET



WNW-ESE RUNWAY

NOTE:  
 ELEV 405.67 AT INTERSECTION  
 OF BOTTOM OF DITCHES AT  
 RUNWAY "B" STA 22+77.59 &  
 RUNWAY "A" STA 127+72.41



These cross sections  
 compute a part  
 of Runway "A"

Sta	End Area	CU Yds.
22+50		
22+00	6084	1577
21+50	31710	
21+00	3916	38 1097
20+50	21795	
20+00	50	36 1562

14927-33-L

CHANGE A - APR 1980  
 SHEET 35

STANDARD  
 KEUPTEL & BLESSER CO.  
 NEW YORK

STANDARD  
 KEUPTEL & BLESSER CO.  
 NEW YORK

STANDARD  
 KEUPTEL & BLESSER CO.  
 NEW YORK

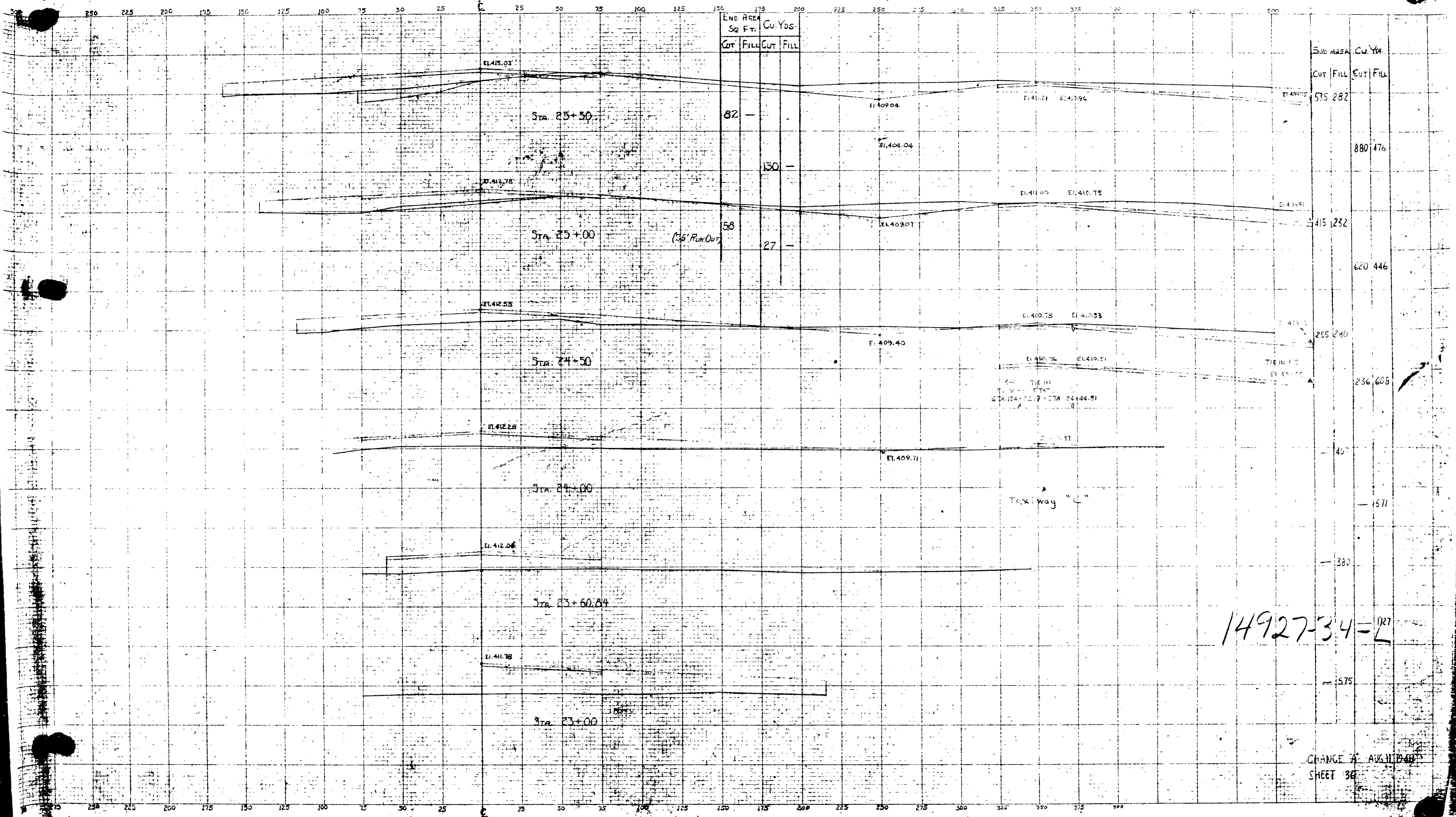
STANDARD  
 KEUPTEL & BLESSER CO.  
 NEW YORK



WNW-ESE RUNWAY

END AREA		Cu. Yds.	
Sq. Ft.		Cut	Fill
82	-		
130	-		
58		27	-

END AREA		Cu. Yds.	
Sq. Ft.		Cut	Fill
535	282		
880	476		
415	232		
620	446		
255	280		
236	608		
45			
157			
380			
1575			



THE IN. P.T. STA. 24+44.81

Taxiway "C"

1492734 = 127

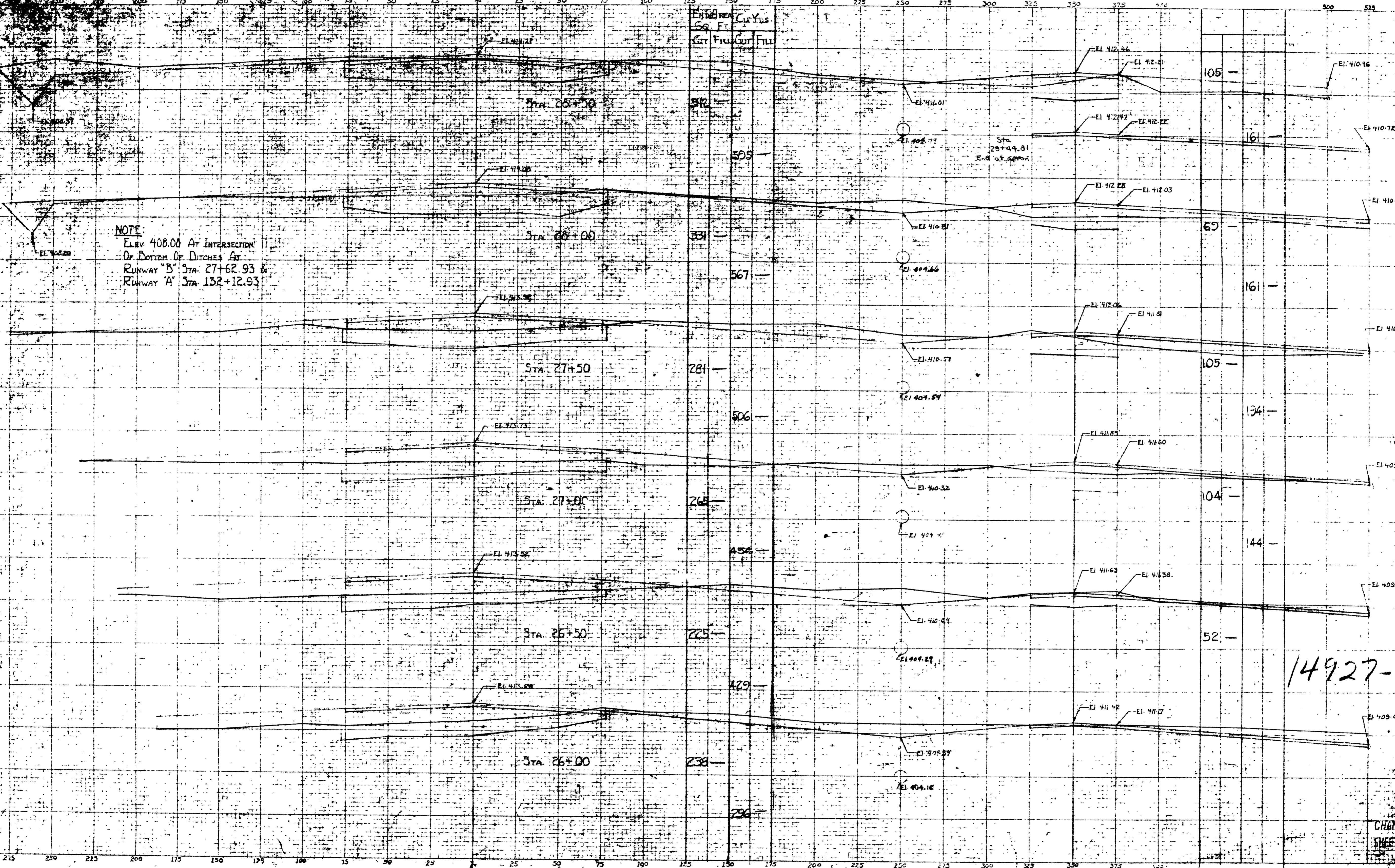
CHANGE A AUG 11 1980 SHEET 36

MANAGED BY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION  
 KEUFEL & ESSER CO. NEW YORK  
 STANDARD CROSS SECTION NO. 10  
 MADE IN 1974



WNW-ESE RUNWAY

NOTE:  
 Elev 408.00 At Intersection  
 Of Bottom Of Ditches At  
 Runway "B" Sta. 27+62.93 &  
 Runway "A" Sta. 132+12.93



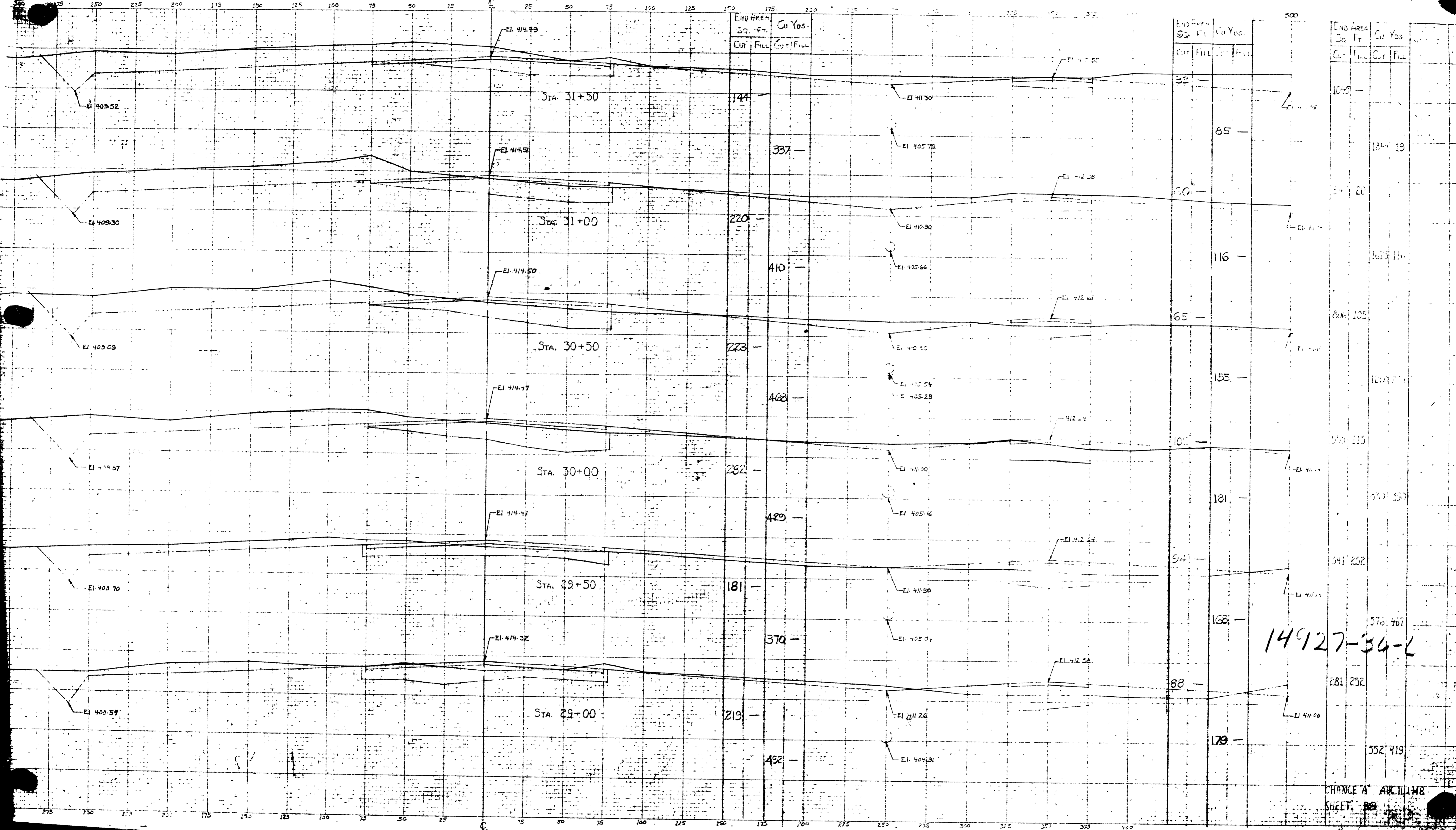
Sta.	End Area Sq. Ft.		Cu. Yds.	
	Cut	Fill	Cut	Fill
25+00	315	200		
25+50			468	421
26+00	190	255		
26+50			315	599
27+00	150	392		
27+50			227	843
28+00	95	523		
28+50			344	977
29+00	277	530		
29+50			616	843
30+00	390	380		
30+50			836	813

14927-35-L

CHANGE A AUG 11 1946  
 SHEET 137



WNW-ESE RUNWAY

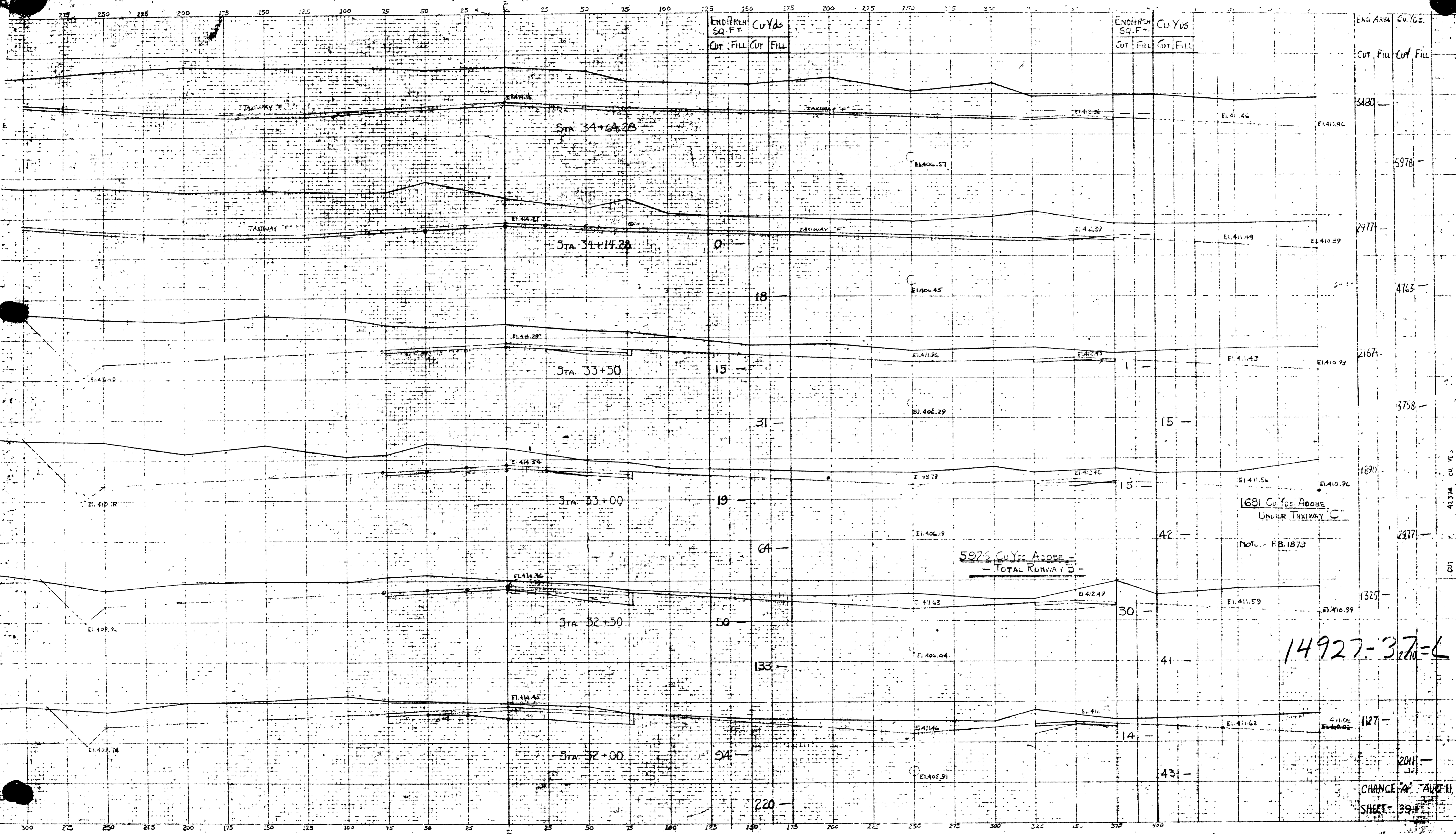


14927-34-L

CHANGE A  
SHEET 88



WNW-ESE RUNWAY



14927 - 37 = 14890

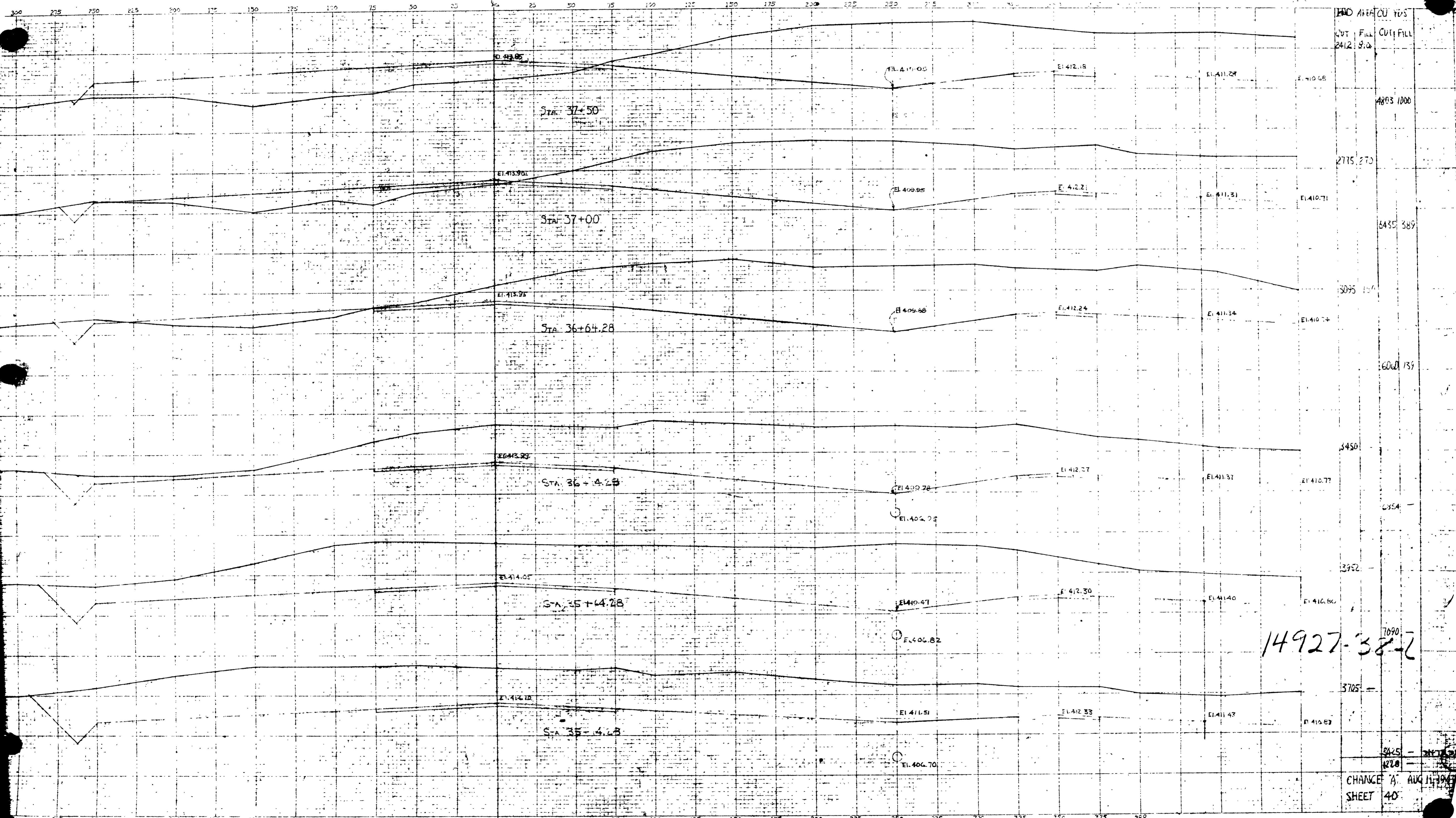
5973 Cu Yds ABOVE -  
- TOTAL RUNWAY B -

1681 Cu Yds ABOVE  
UNDER TAXIWAY C

CHANGE DATE: APR 11 194  
SHEET: 39



WNW-ESE RUNWAY



CUT	FILL	CUT/FILL
2412	9.0	4803 1000
		2715 270
		6450 389
		3095 100
		6000 139
		3450
		2354
		3392
		3705
		3025
		2718

14927-38-2

CHANGE A AUG 11 1994  
SHEET 40



WNW-ESE RUNWAY

END AREA	CU. YDS.
So Ft	Cut   Fill
3700	
72,6092	
78,2675	
413,4360	
368,2050	
1223,3130	
953,1330	
2507,2305	
1755,1160	
3695,2073	
2182,1047	
4254,1719	

Sta. 40+50

Sta. 40+00

Sta. 39+50

Sta. 39+00

Sta. 38+50

Sta. 38+00

14927-39-L

CHADGE RE AUG 1978  
SHEET 41

KEUPPEL & ISSER CO.  
NEW YORK

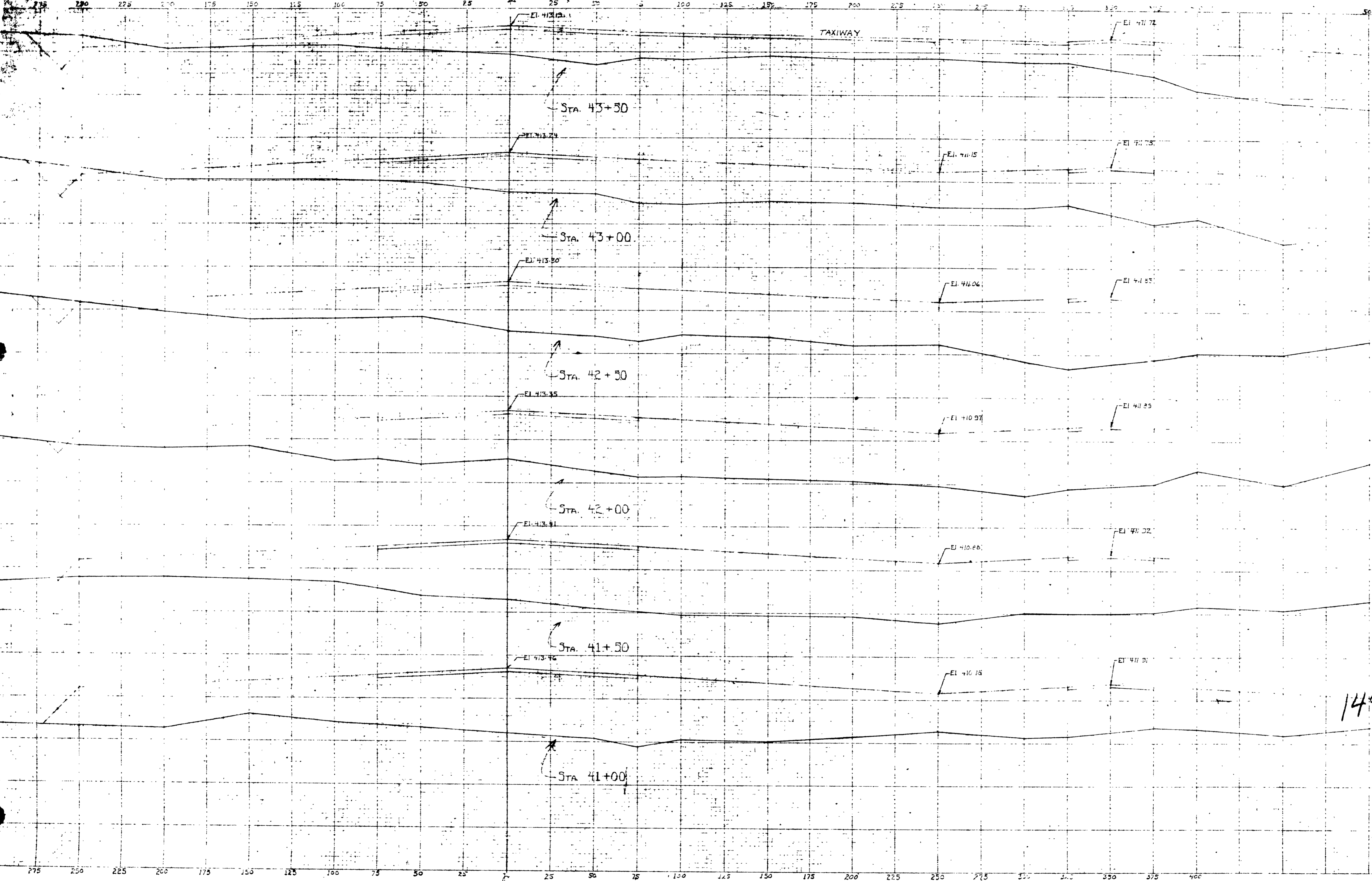
STANDARD  
CROSS SECTION TO A 10  
FOOT WIDTH  
BASE 11.5 FT

KEUPPEL & ISSER CO.  
NEW YORK





WNW-ESE RUNWAY



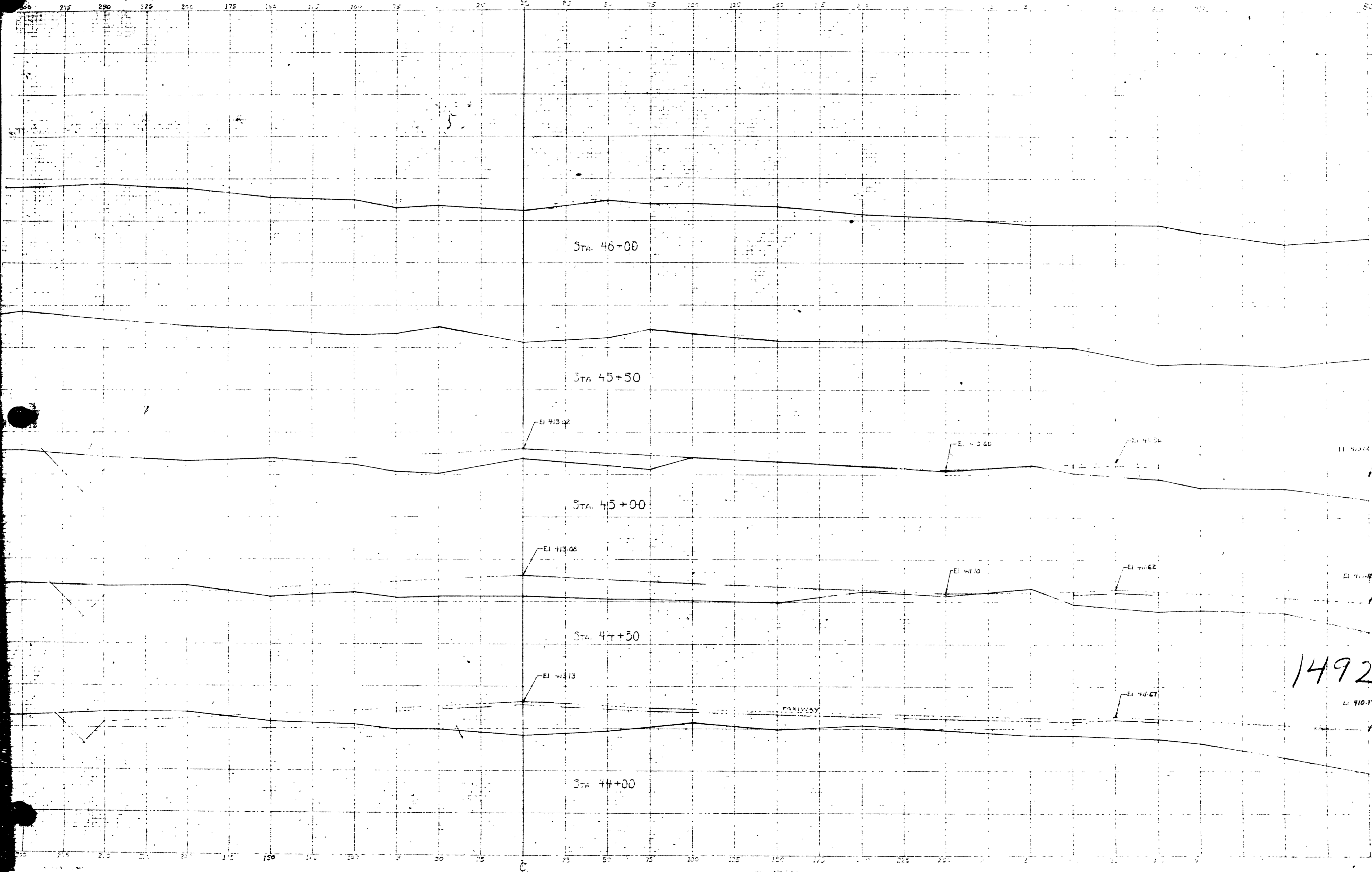
Sta.	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
100	1985			
150			157	4617
200			162	4151
250			47	257
300				
350				
400				
420				
440				
460				

14927-40-2

CUT  
FILL  
4285  
4222  
4200  
4222

CHANGE 'A' AUG. 11, 1948  
SHEET 42

WNW-ESE RUNWAY



END AREA	Do. FT	Cu Yds
CUT	FILL	CUT FILL
0	0	
		352657
180	665	
		2902278
133	1025	
		2301365
115	1425	
		1991245

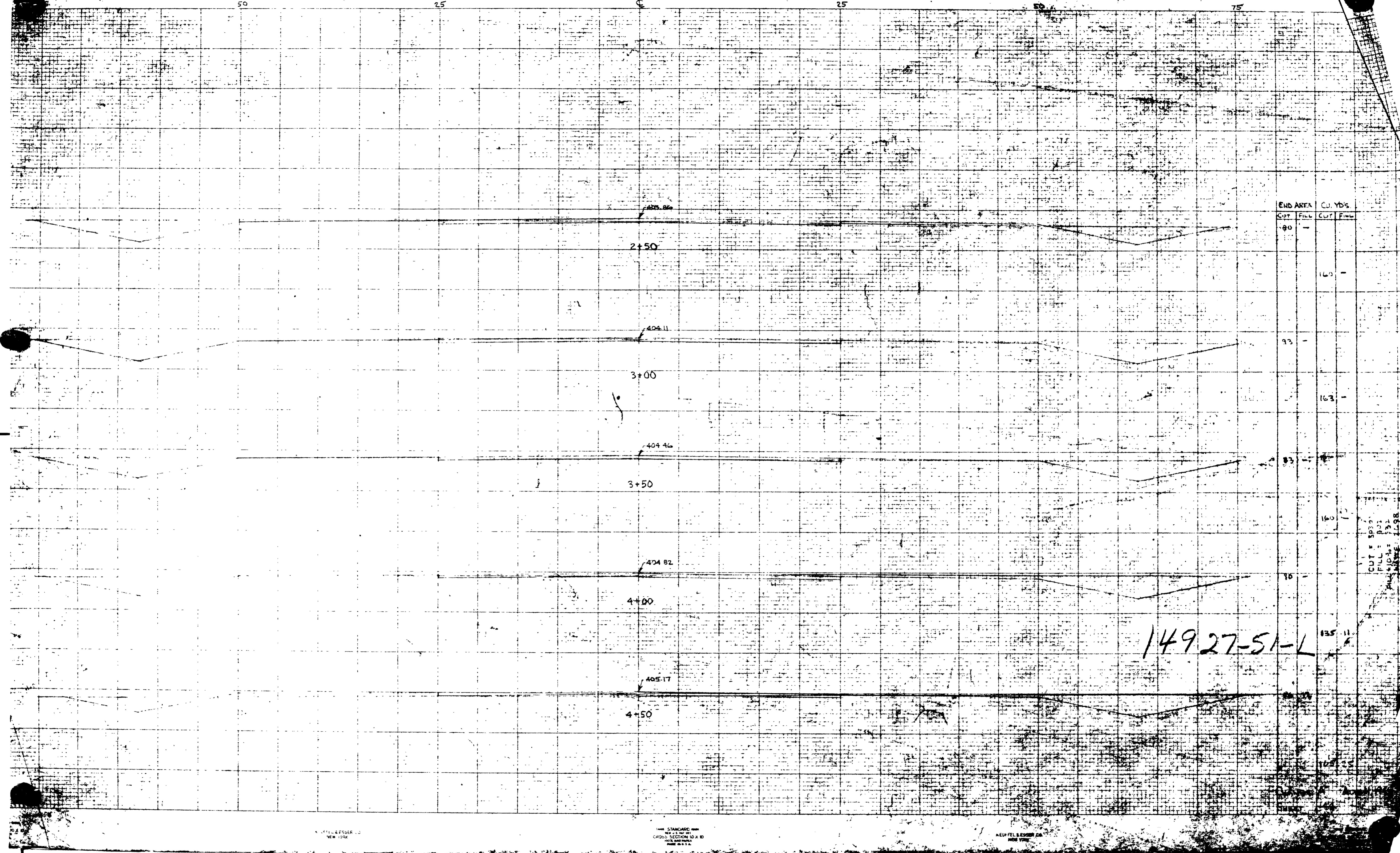
CUT = 1362 Cu Yds FILL = 1074 Cu Yds  
 Excav = 29675 Cu Yds Backfill = 29675 Cu Yds

14927-50-L

CHANCE A AUG 11  
 SHEET 43

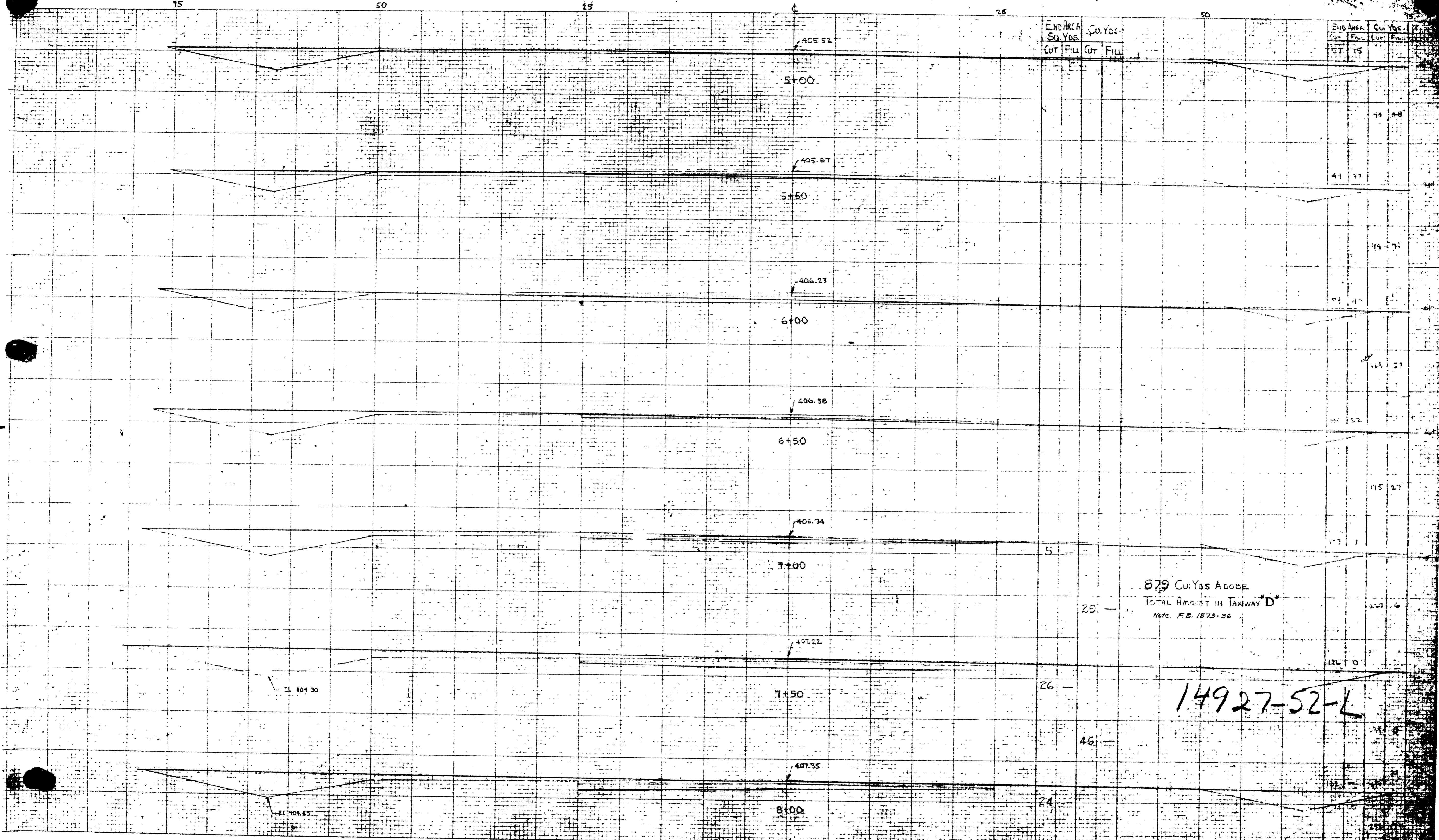


TAXIWAY "D"





TAXIWAY "D"



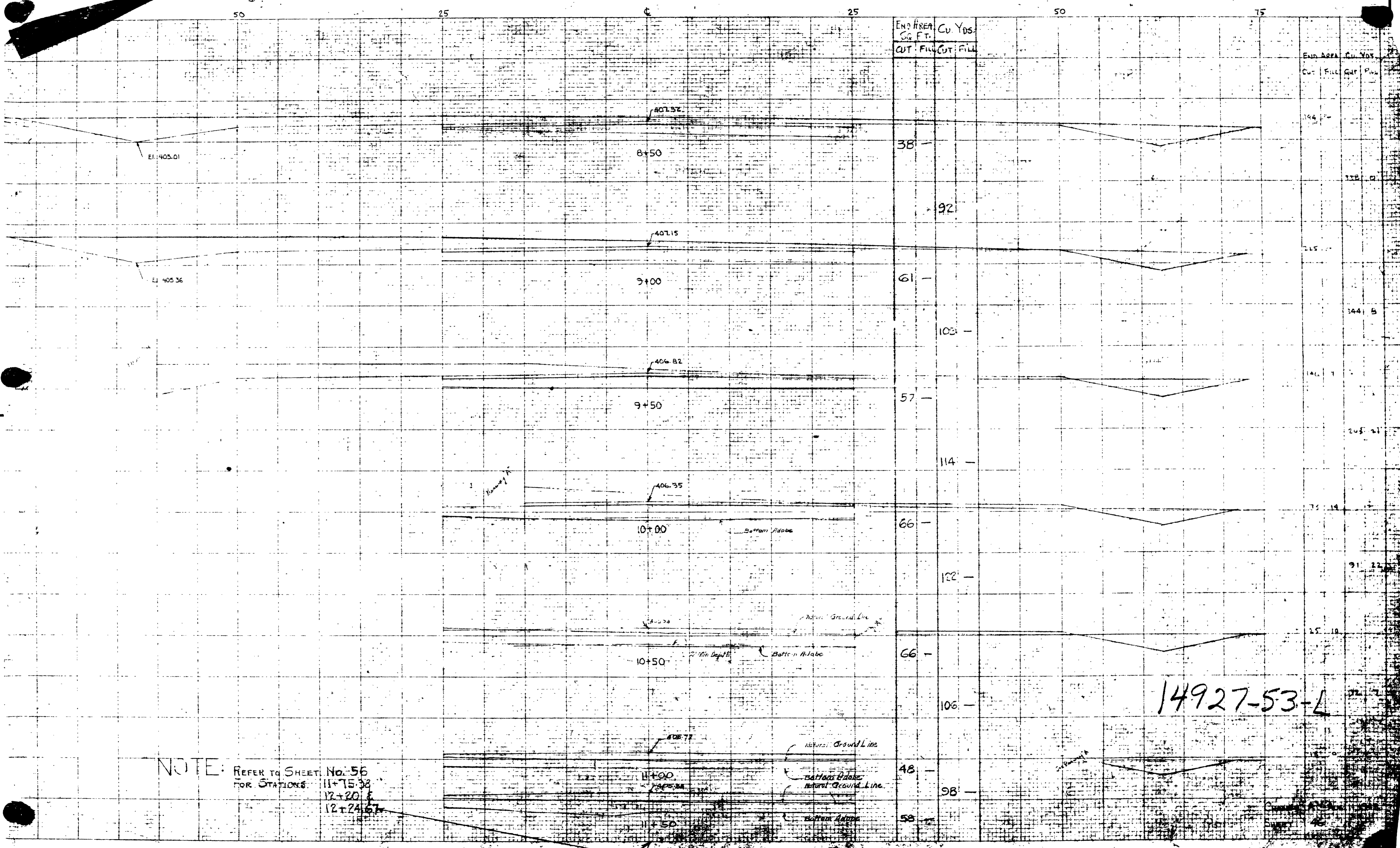
879 Cu. Yds. ADDED  
TOTAL AMOUNT IN TAXIWAY "D"  
MAY 1970 - 36

14927-52-L

CHANGE "A" AREA  
SHEET 45



TAXIWAY 'D'



NOTE: REFER TO SHEET No. 56 FOR STATIONS 11+75.38, 12+20.8, 12+24.67

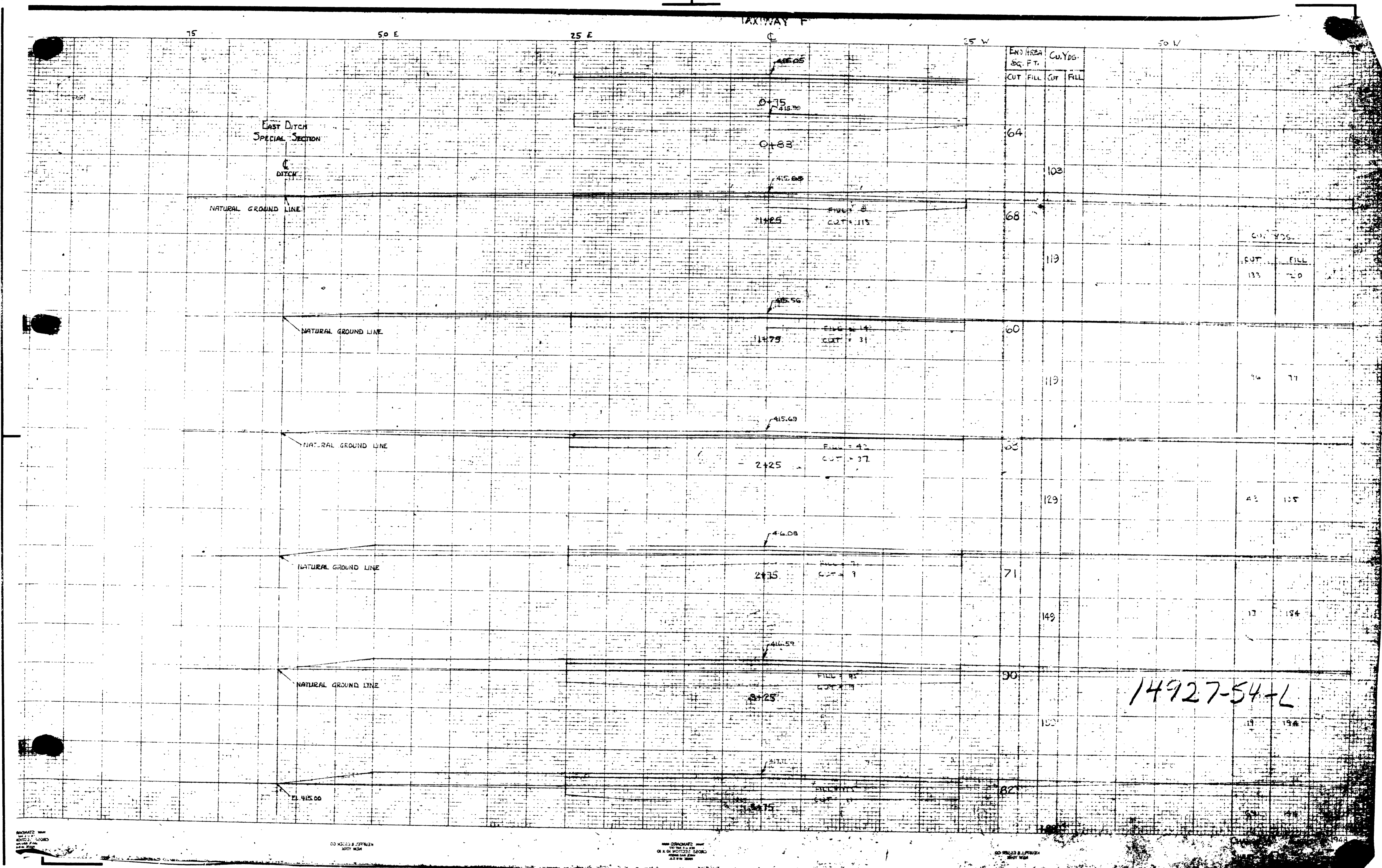
14927-53-L

KEUFFEL & ESSER CO. NEW YORK

THE STRONGHOLD ENGINEERING CORPORATION NEW YORK

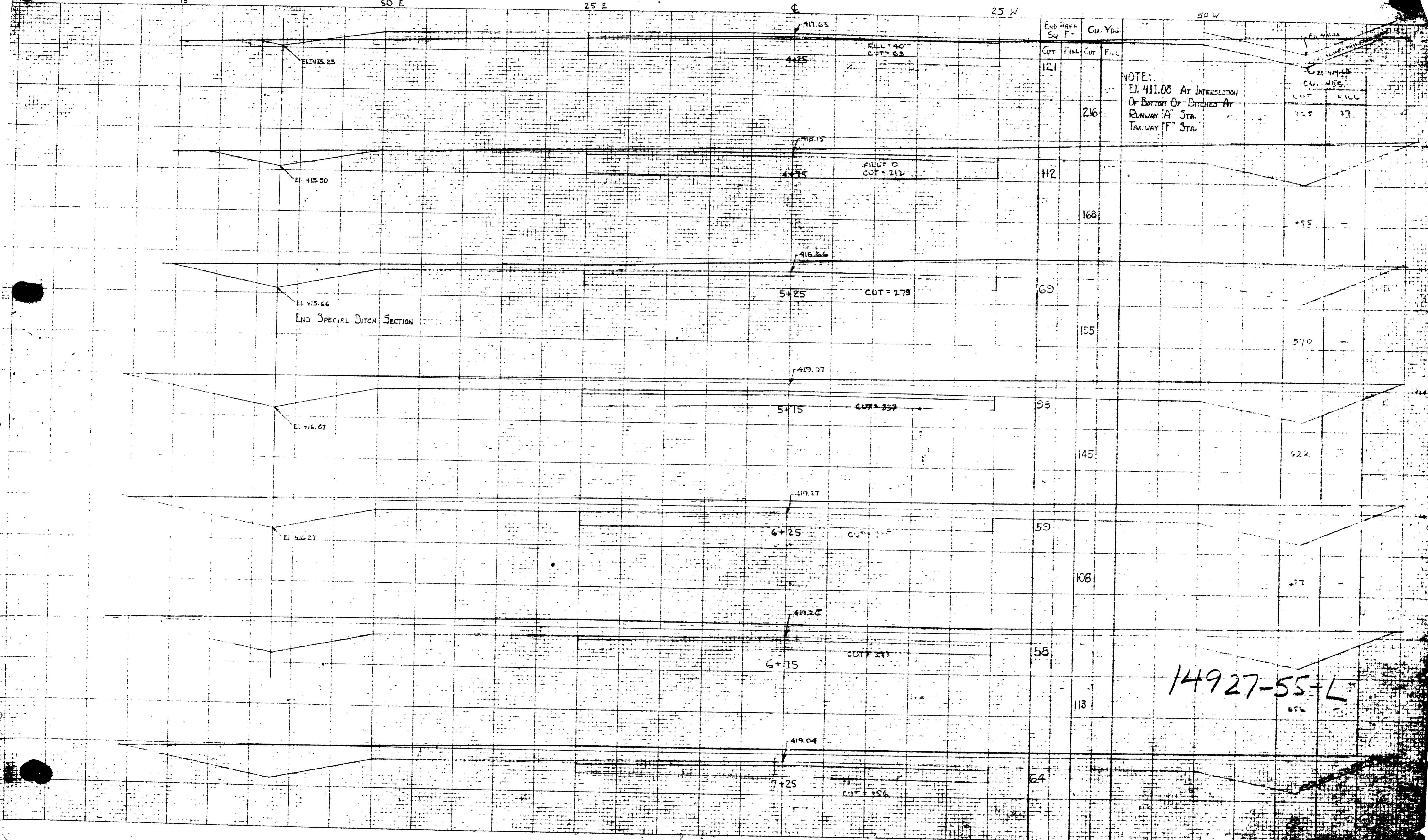
KEUFFEL & ESSER CO. NEW YORK







TAXIWAY F



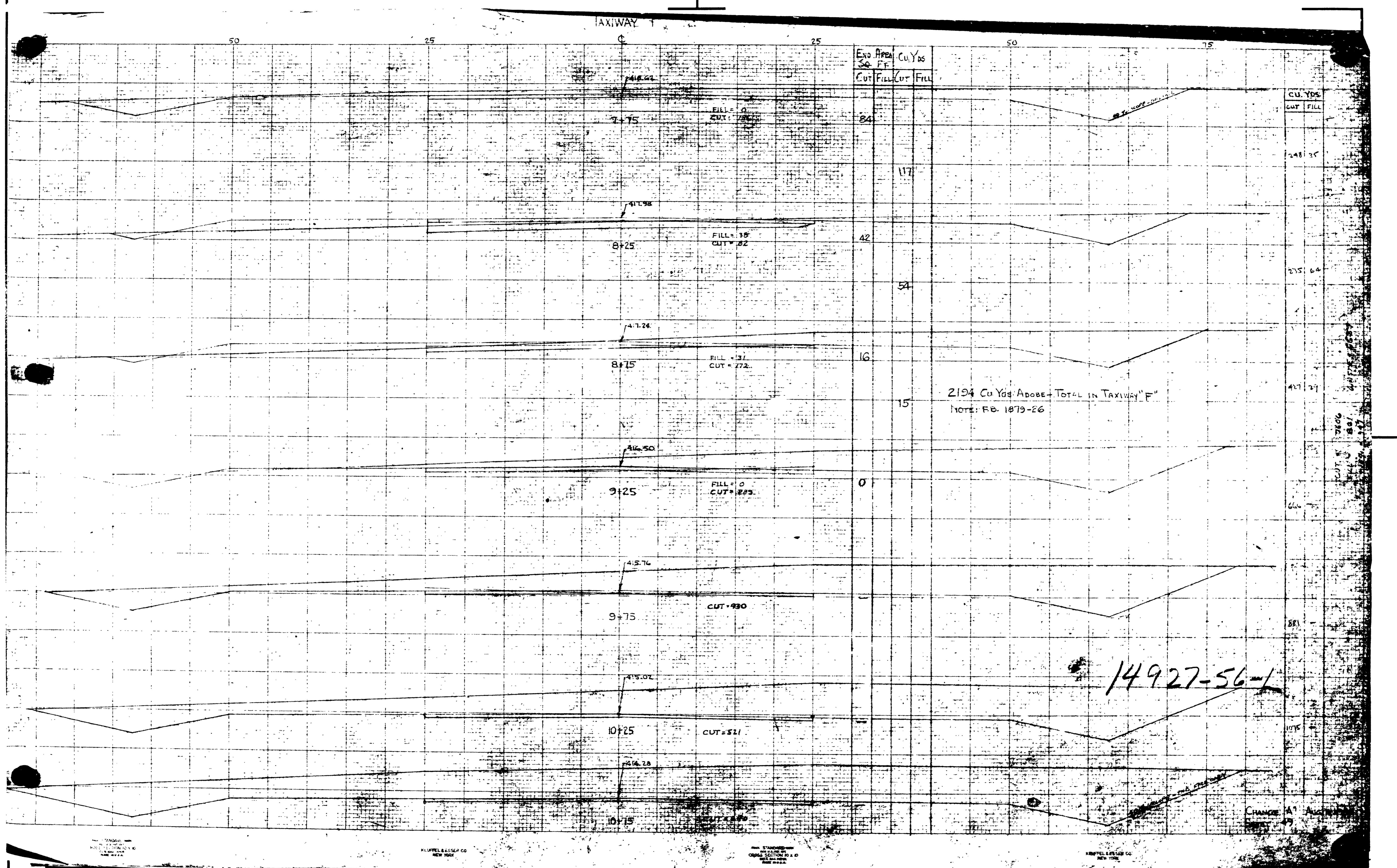
NOTE:  
 EL. 411.08 AT INTERSECTION  
 OF BOTTOM OF DITCHES AT  
 RUNWAY A STA.  
 TAXIWAY F STA.

END SPECIAL DITCH SECTION

14927-55-L

CHANGE A  
 SHEET 48





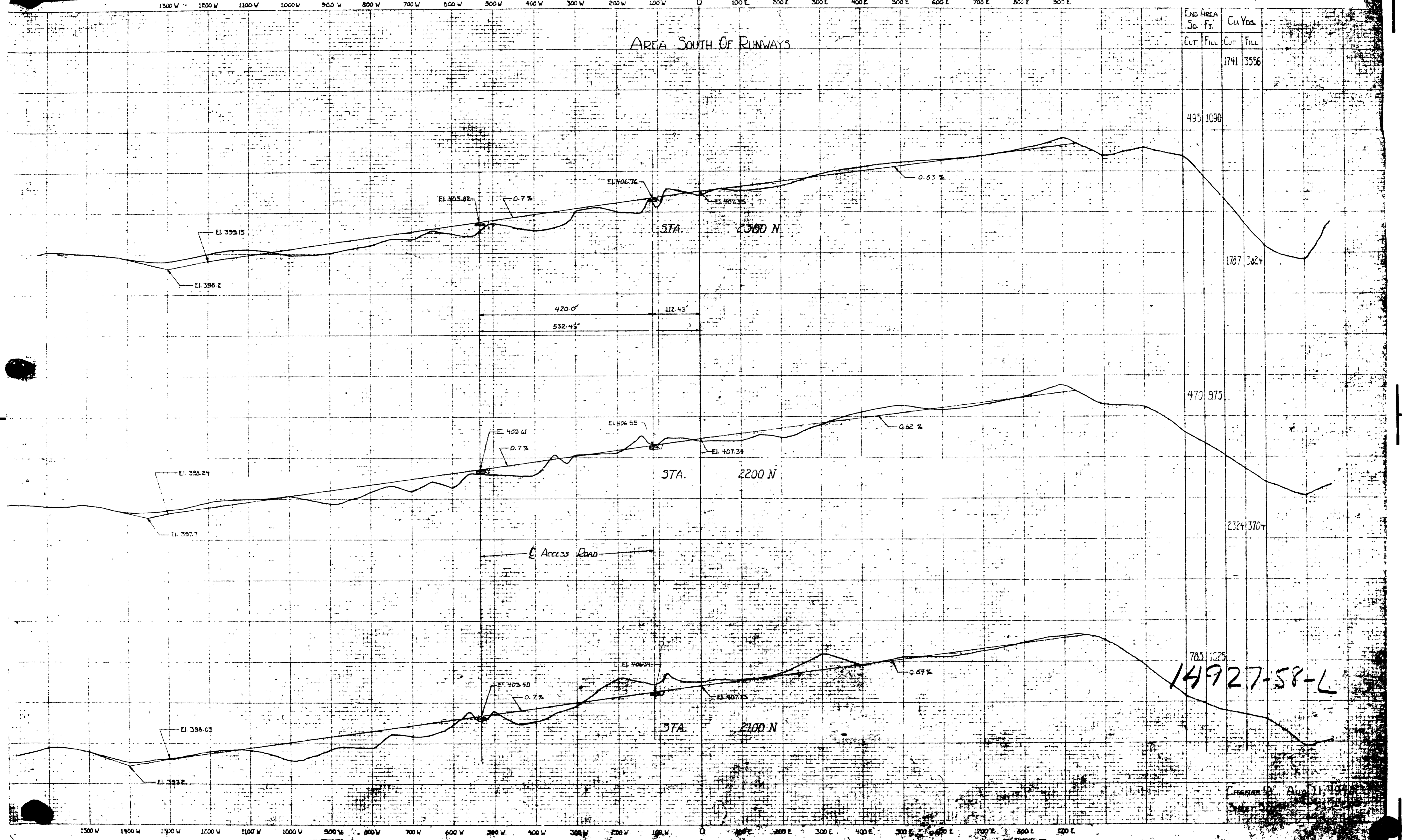






AREA SOUTH OF RUNWAYS

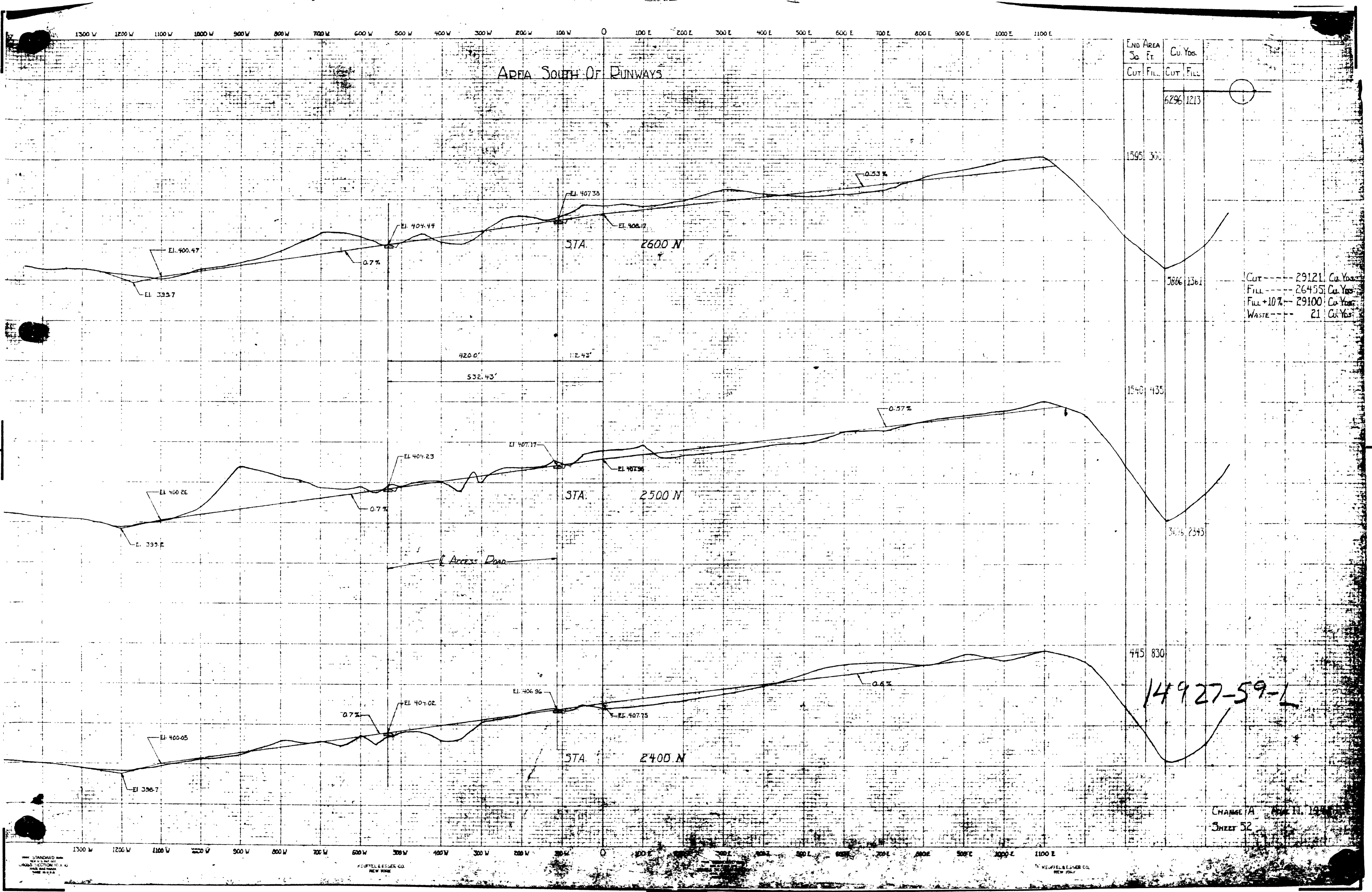
END AREA		Cu Yds.	
So. Fr.	Cut	Cut	Fill
		1741	3556
		495	1090



14927-58-L

CHARLES AUGUST 11, 1958



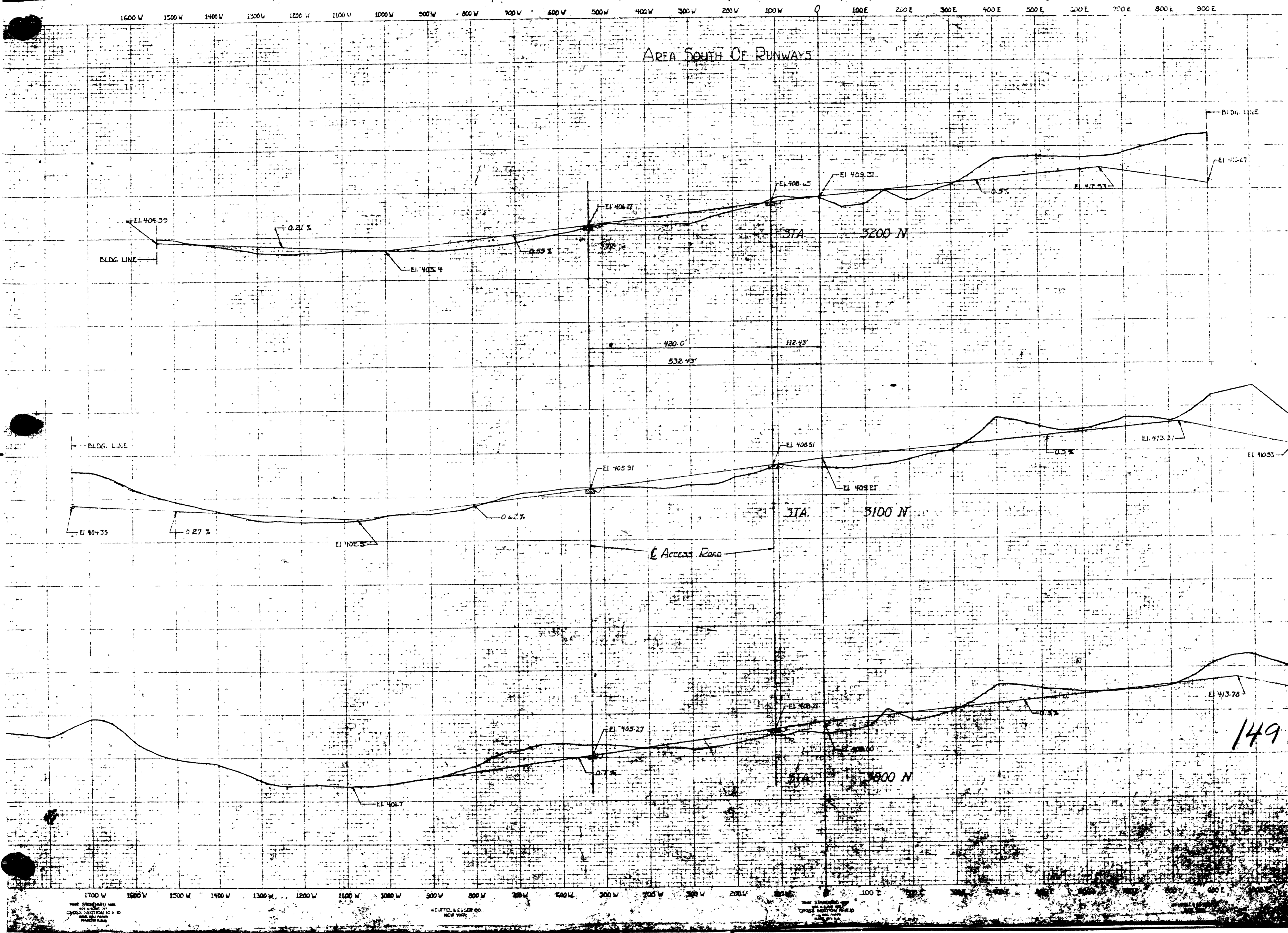








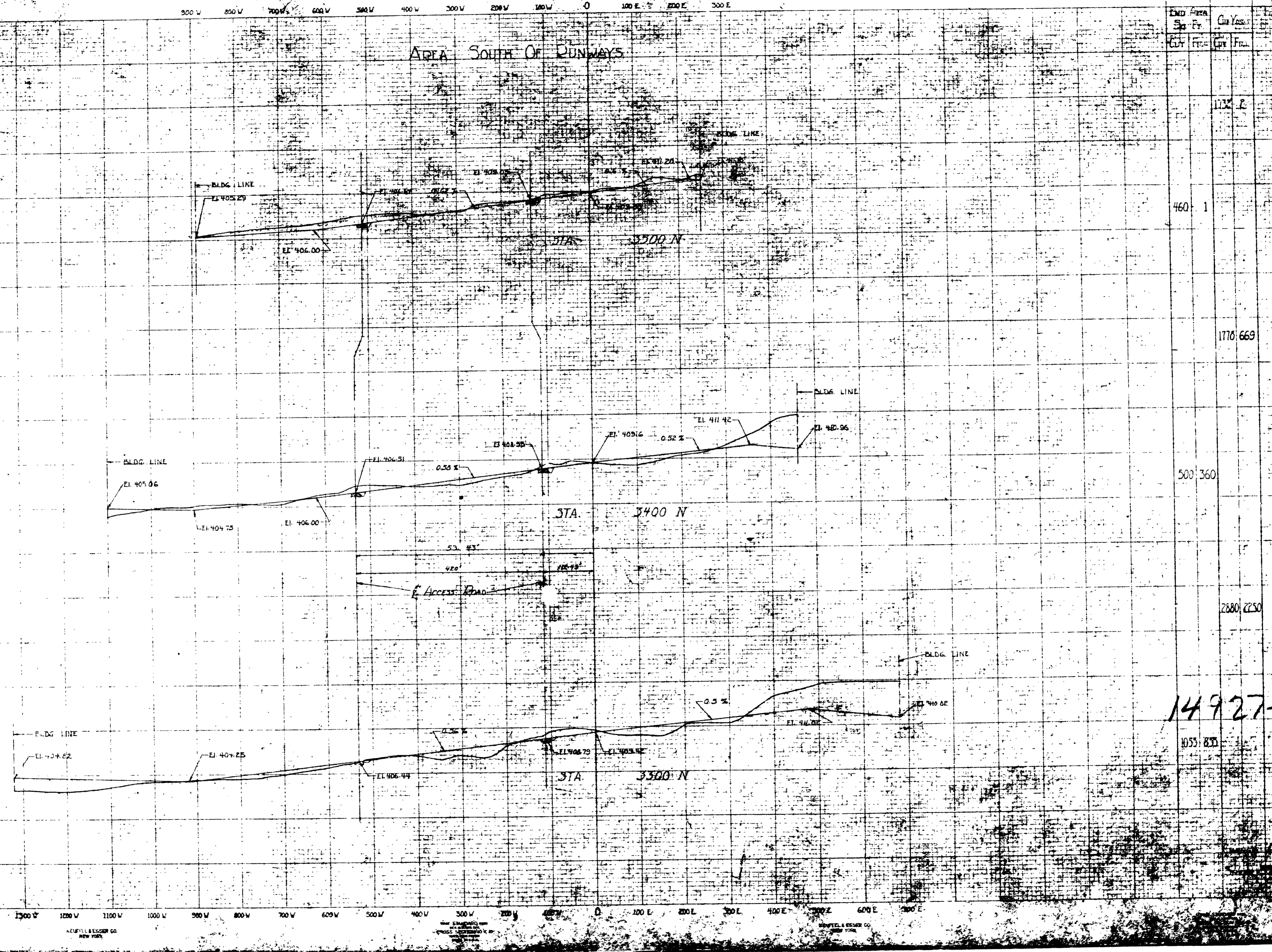
AREA SOUTH OF RUNWAYS



Sta	End Area		Cu. Yds.	
	Cut	Fill	Cut	Fill
3200			3937	3699
3100	1560	1110	7337	3880
3000	2400	985	7333	2889
	1565	575		



AREA SOUTH OF RUNWAYS



Dist	Area	Sta	Fr	Cu	Yard
------	------	-----	----	----	------

					1132.2
		460	1		
					1770.669
		500	360		
					2880.2250
					14927-62-1
					1055.833





CITY OF SAN DIEGO

CALIFORNIA



AS CONSTRUCTED  
~~CONSTRUCTION~~ PLANS  
FOR  
GIBBS MUNICIPAL AIRPORT

CLEARING, DRAINAGE, GRADING, AND PAVING  
PROJECT - 9-04-033-7  
1947

WORK COMPLETED JULY 13, 1949

CIVIL AERONAUTICS ADMINISTRATION

APPROVED  
DATE

DIRECTOR  
AIRPORT ENGINEERING SER

APPROVED  
DATE

SUPERINTENDENT  
AIRPORTS BRANCH

APPROVED  
DATE

DISTRICT AIRPORT ENGINEER

SAN DIEGO

APPROVED  
DATE

*J.H. Rhoads*  
March 1st 1948

CITY MANAGER

PREPARED BY

AS CONSTRUCTED PLANS - Prepared By  
CITY PLANNING DEPT  
SAN DIEGO, CALIF

APPROVED  
DATE

*Gleason Rick*  
Mar 1 1948

PLANNING DIRECTOR

APPROVED  
DATE

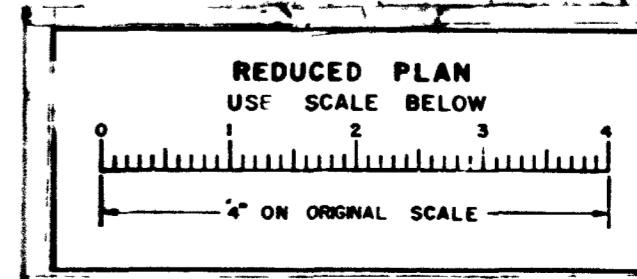
*John K. Patterson*  
MARCH 1948

CHIEF AIRPORT ENGINEER

MICROFILMED  
JAN 24 1963

SHEET 1 OF 57

12849-1





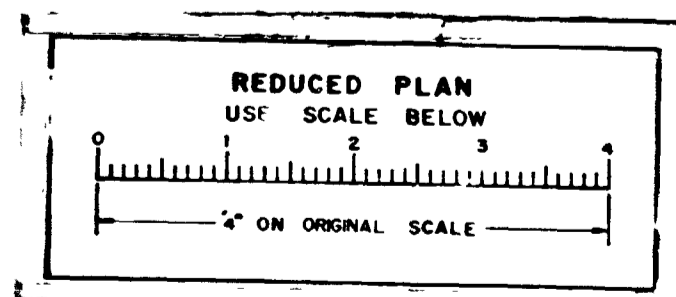
GIBBS MUNICIPAL AIRPORT

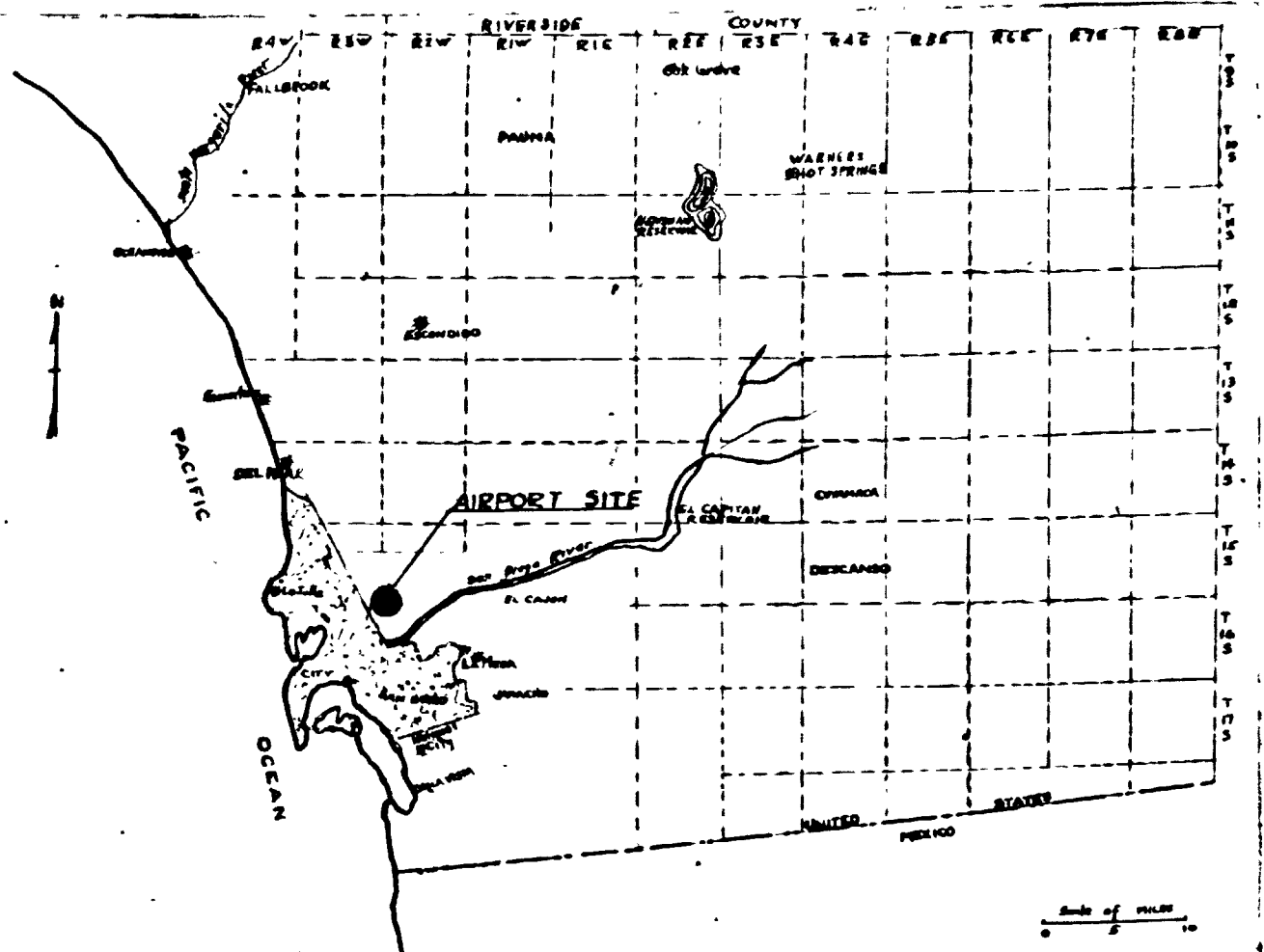
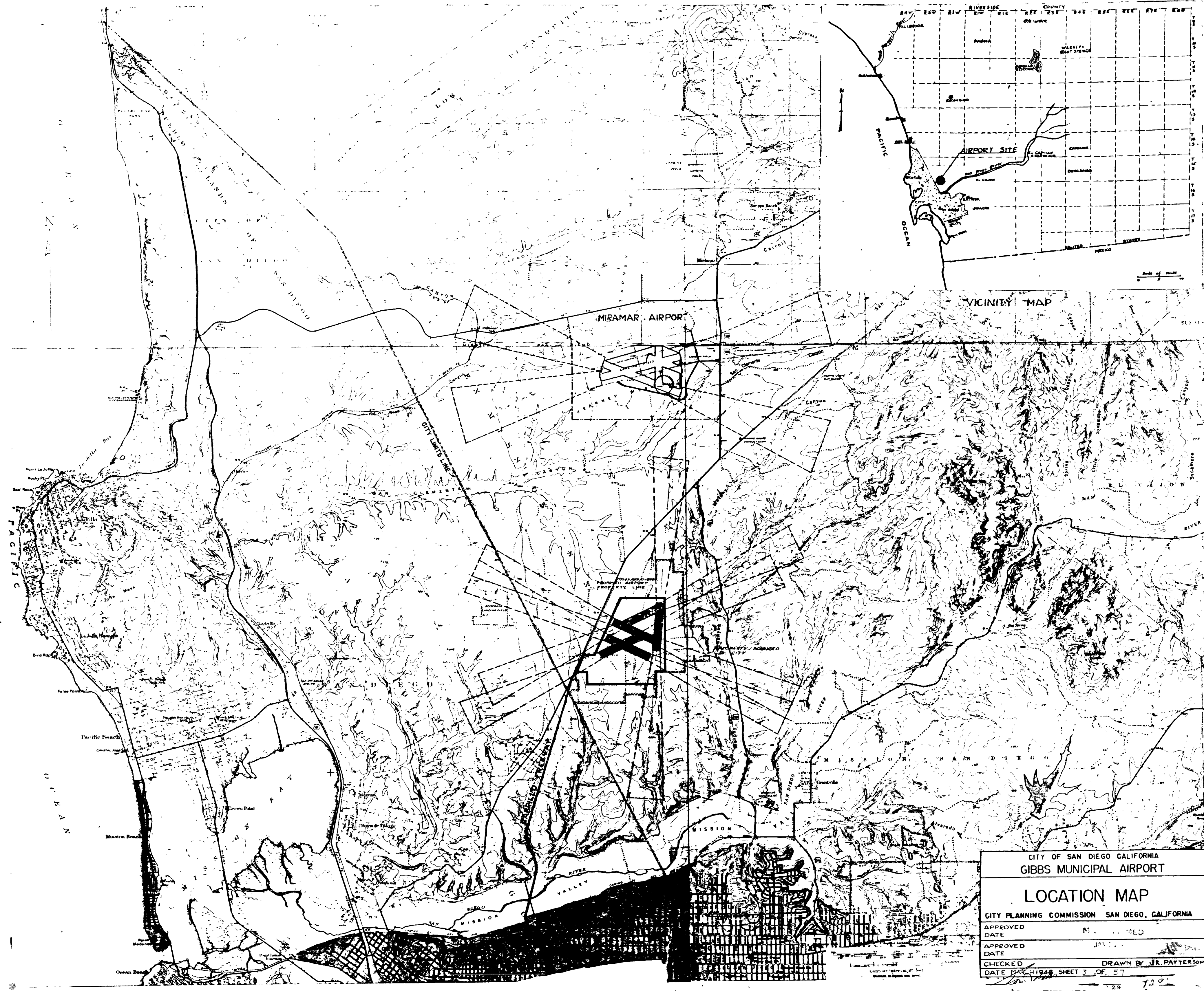
SUMMARY OF QUANTITIES OF MAJOR ITEMS (AS CONSTRUCTED)			
ITEM		QUANTITIES	
CLEARING AND GRUBBING		185	ACRES
EXCAVATION	SHEETS 11,12,13,14,22 THRU-37	296,203	CU-YDS
BORROW	SHEET 9	19,294	CU-YDS
<b>PIPE FOR STORM DRAINAGE LINES</b>			
15" DIAM. - REINFORCED CONCRETE	SHEET 12	550	LIN-FT.
18" DIAM. " "	" "	525	LIN-FT.
24" DIAM. " "	" "	1,630	LIN-FT.
24" DIAM. " " (EXTRA STR)	" 15	104	LIN-FT.
30" DIAM. " "	" 15	104	LIN-FT.
21" DIAM. " "	" 11	540	LIN-FT.
27" DIAM. " "	" 11	275	LIN-FT.
CONCRETE, PORTLAND CEMENT, STRUCTURAL	SHEET 15	15.5	CU-YDS
EXCAVATION & BACKFILL - DRAINAGE STRUCTURES	" "	108.0	CU-YDS
CATCH BASINS FOR STORM DRAINAGE LINES	" 16	6	EA
EXCAVATION & PERVIOUS BACKFILL FOR DRAIN WELLS	" "	40	CU-YDS
<b>SANITARY SEWER</b>			
8" VITR SEWER PIPE	SHEET 17	4,650	LIN-FT.
MANHOLES & APPURTENANCES	" "	9	EA
SEPTIC TANK & APPURTENANCES	" 17 & 18	1	EA
CESS POOL & APPURTENANCES	" " "	1	EA
<b>WATER DISTRIBUTION</b>			
8" CAST IRON WATER MAIN	SHEETS 14 & 19	5,100	LIN-FT.
FIRE HYDRANTS & APPURTENANCES-6" 2 WAY	" " 19	5	EA
8" GATE VALVES C.I.	" " "	4	EA
FIRE HYDRANTS & APPURTENANCES-5" 3 WAY	" " "	2	EA
<b>UNDERGROUND DUCTS</b>			
3" DUCT-2 WAY SECTION	SHEET 20	2,089	LIN-FT.
3" DUCT-4 WAY SECTION	" "	410	" "
3" DUCT-8 WAY SECTION	" "	220	" "
<b>FENCING</b>			
WOOD PICKET	SHEETS 5 & 21	800	LIN-FT.
CLASS A	" "	16,485	LIN-FT.
DRIVEWAY GATE CLASS A - 14'0"	" "	2	EA
PAVING - RUNWAYS & TAXIWAYS		154,104	SQ YDS
PAVING - APRON		14,500	SQ YDS
PAVING - ROADWAY		13,597	SQ YDS
PAVING - CAR PARKING AREA		12,759	SQ YDS
SEGMENTED CIRCLE MARKER - WIND CONE - WIND TEE	SHEET 19	1	EA
UNDERGROUND CABLE - TRENCHING	SHEET 20	1,610	LIN-FT.
" " - FURNISHING & INSTALLING - TYPE IIC-600V #8-2 CONDUCTOR	" "	3,650	LIN-FT.

INDEX TO DRAWINGS	
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INDEX AND SUMMARY OF QUANTITIES OF MAJOR ITEMS	2
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COORDINATE SYSTEM	6
LOT LAYOUT PLAN	7
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LOG OF BORINGS	9
GRADING DISTRIBUTION PLAN	10
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GRADING AND DRAINAGE PLAN	14
STORM DRAINAGE LINES	15A
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FIRE HYDRANT & THRUST BLOCKS ECT	19
PAVING & DUCT PLAN	20
FENCING DETAILS	21
CROSS SECTIONS	22 TO 56
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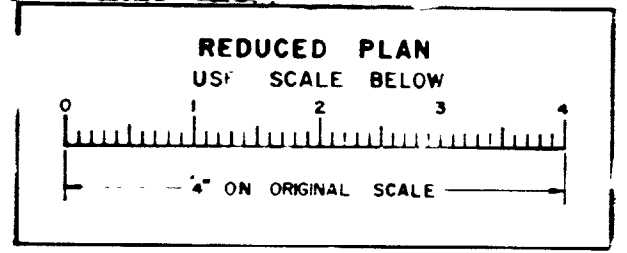
MICROFILMED  
JAN 24 1963

REGISTERED PROFESSIONAL ENGINEER NO. 29  
WADDELL  
7-1-49  
B.S. Constructed 8-30-49  
17949-1



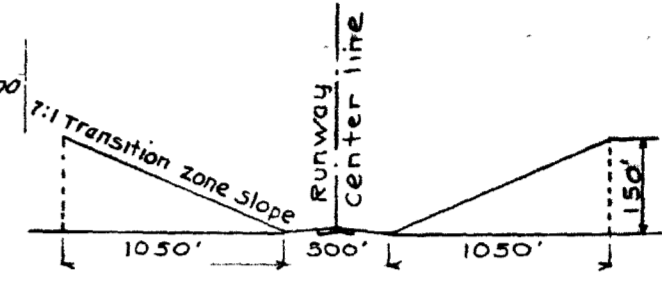
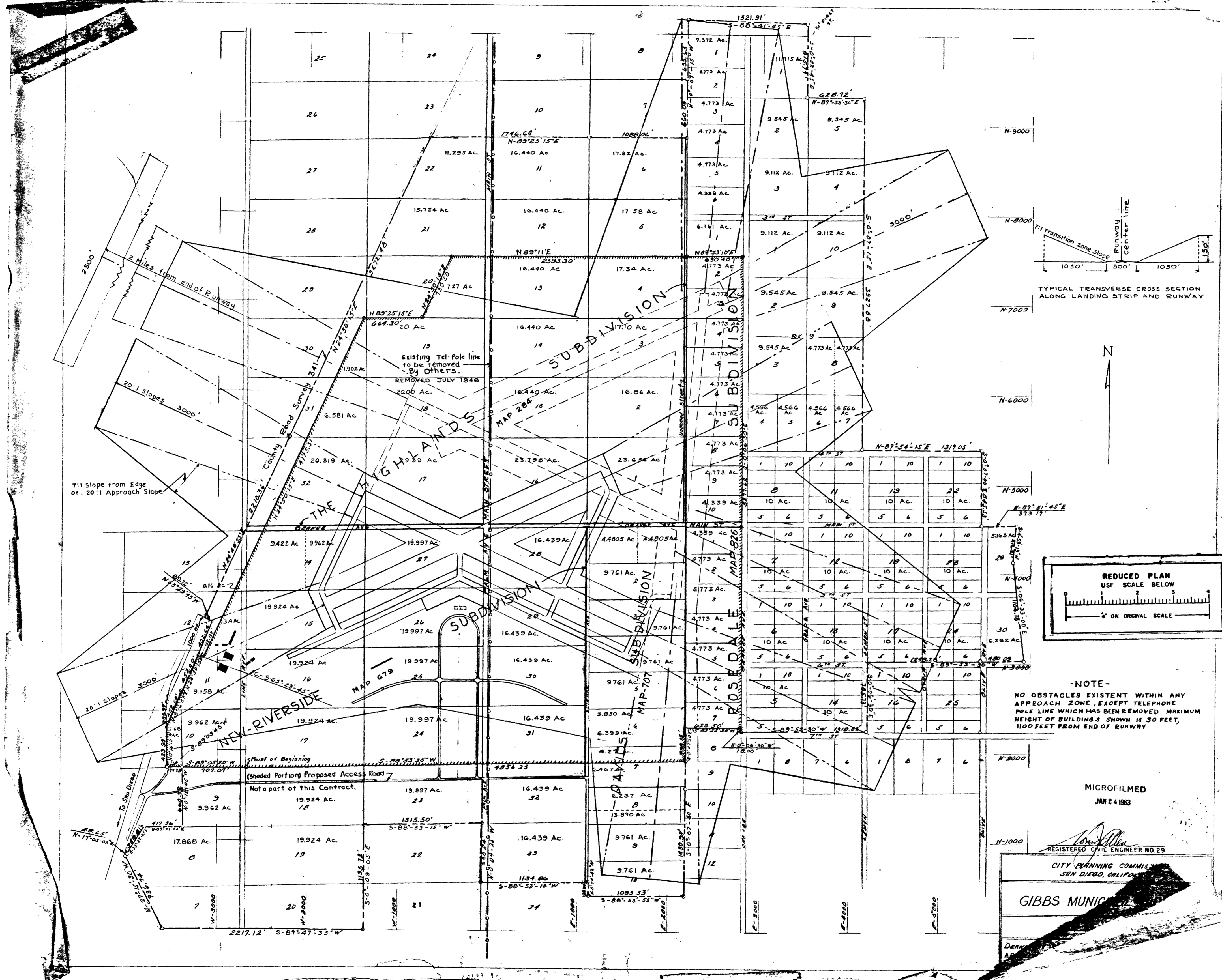


CITY OF SAN DIEGO CALIFORNIA  
 GIBBS MUNICIPAL AIRPORT  
**LOCATION MAP**  
 CITY PLANNING COMMISSION SAN DIEGO, CALIFORNIA  
 APPROVED DATE M. J. MED  
 APPROVED DATE JAN 1948  
 CHECKED DRAWN BY J.K. PATTERSON  
 DATE MAR 1948 SHEET 3 OF 57

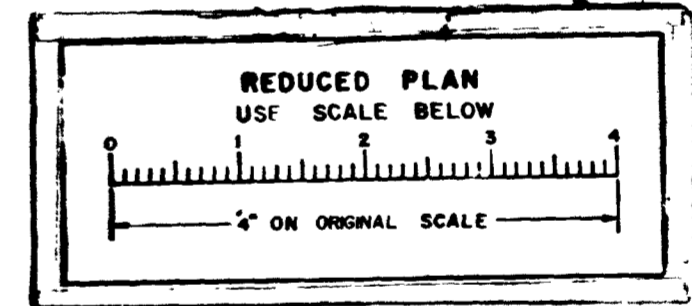








TYPICAL TRANSVERSE CROSS SECTION ALONG LANDING STRIP AND RUNWAY

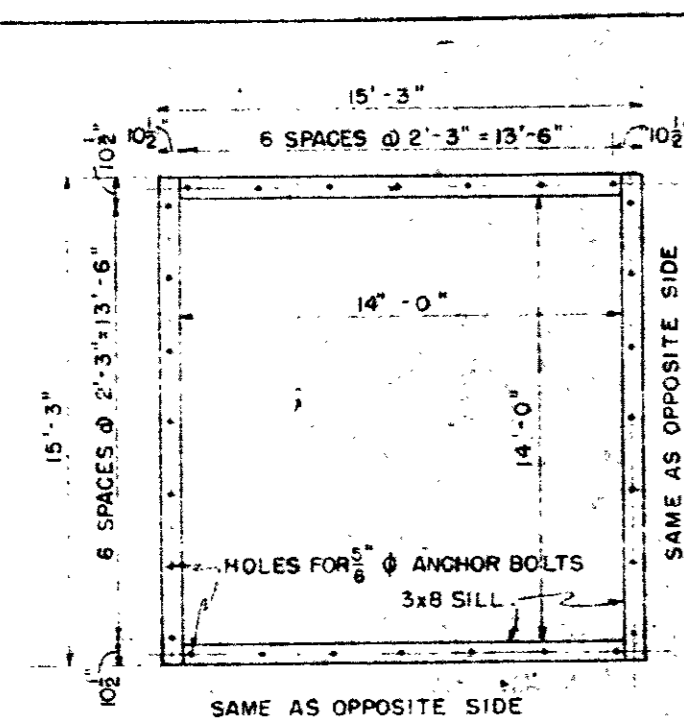


**-NOTE-**  
 NO OBSTACLES EXISTENT WITHIN ANY APPROACH ZONE, EXCEPT TELEPHONE POLE LINE WHICH HAS BEEN REMOVED. MAXIMUM HEIGHT OF BUILDINGS SHOWN IS 30 FEET, 1100 FEET FROM END OF RUNWAY.

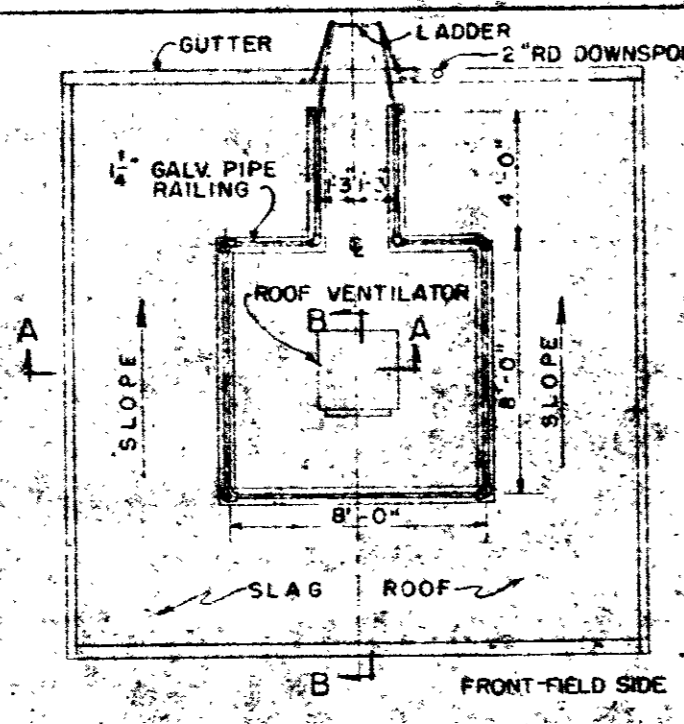
MICROFILMED  
 JAN 24 1963

REGISTERED CIVIL ENGINEER NO. 29  
 CITY PLANNING COMMISSION  
 SAN DIEGO, CALIFORNIA  
**GIBBS MUNICIPAL ENGINEERS**

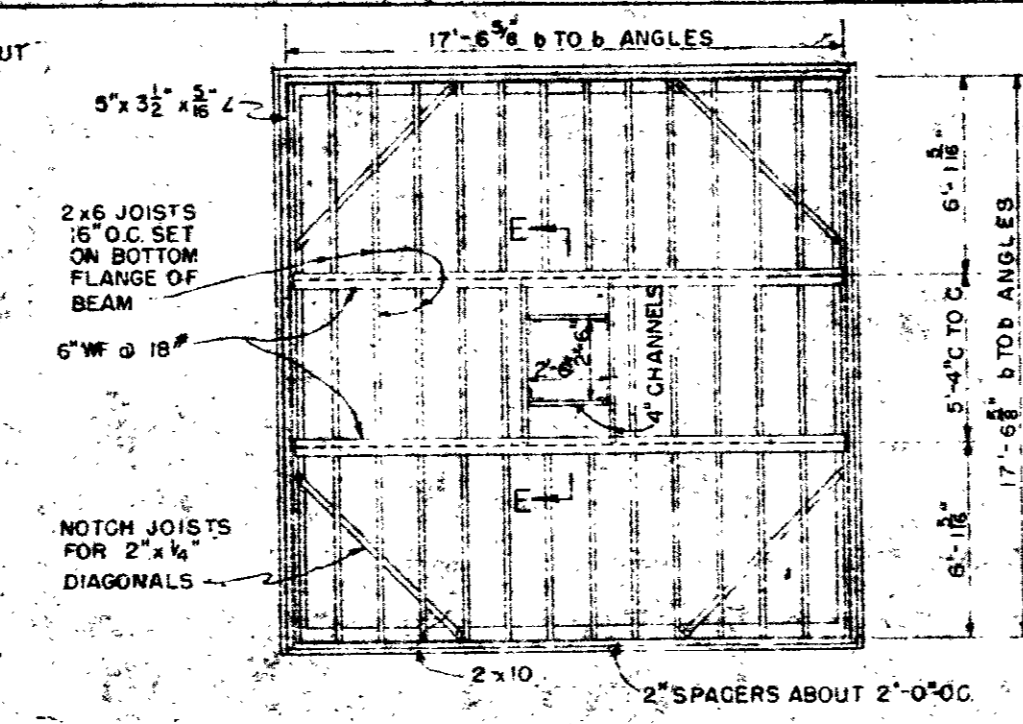




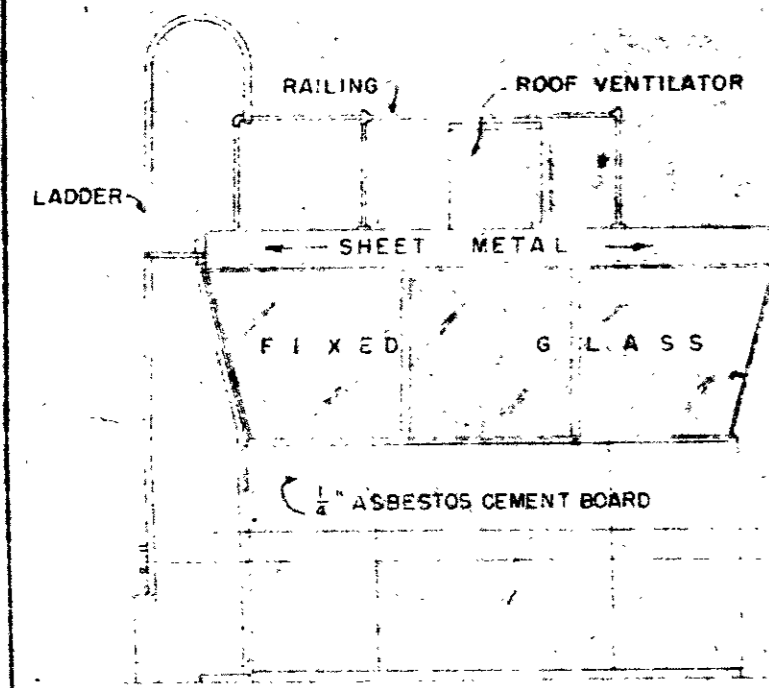
SILL LAYOUT



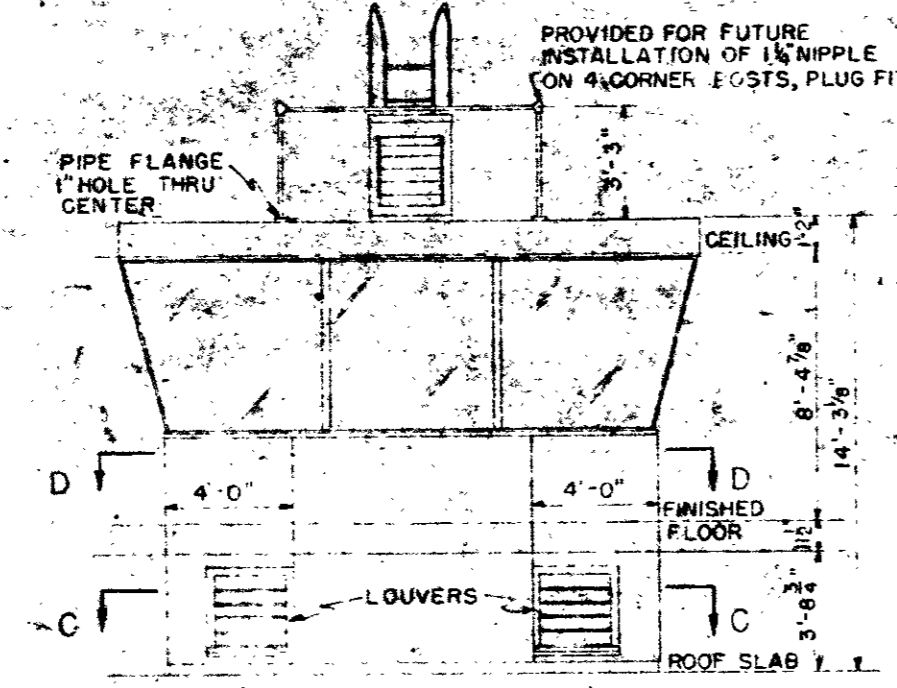
ROOF PLAN



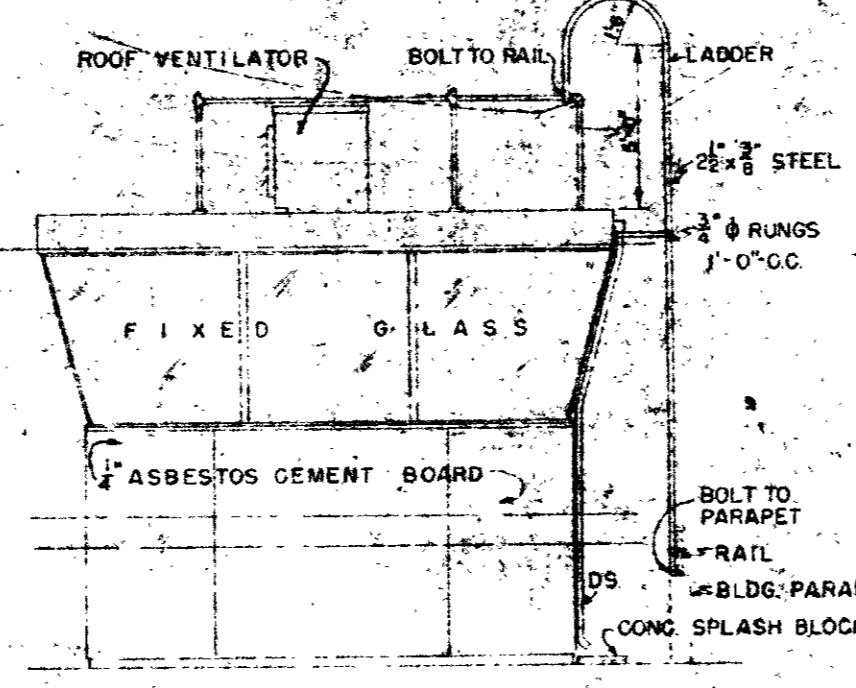
ROOF FRAMING



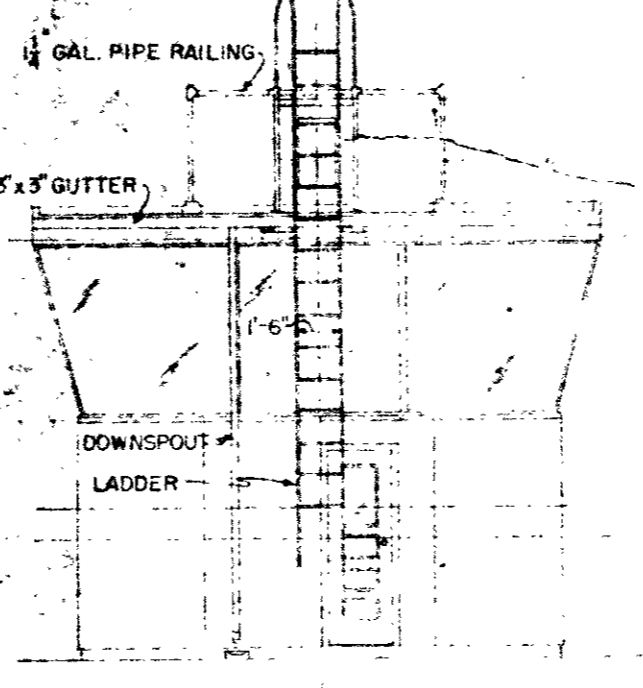
LEFT SIDE



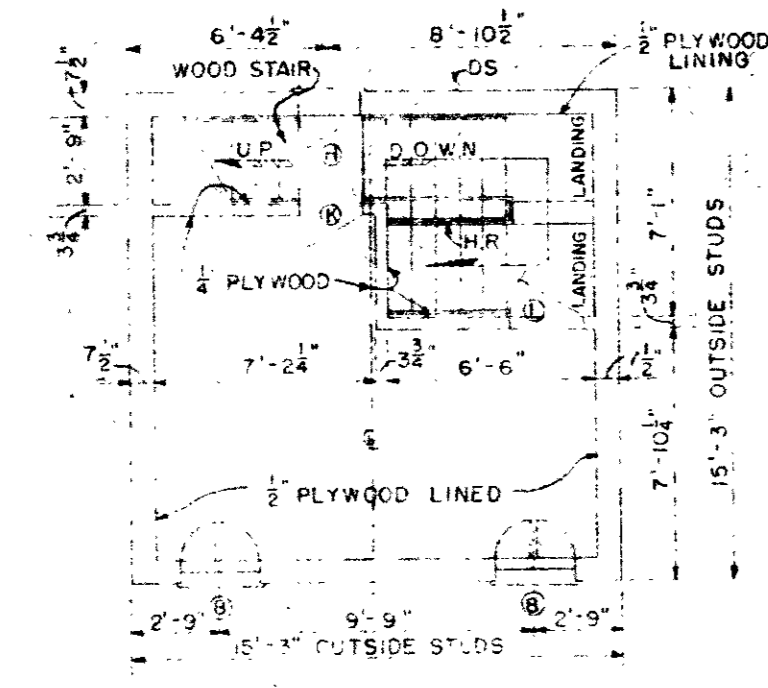
FRONT



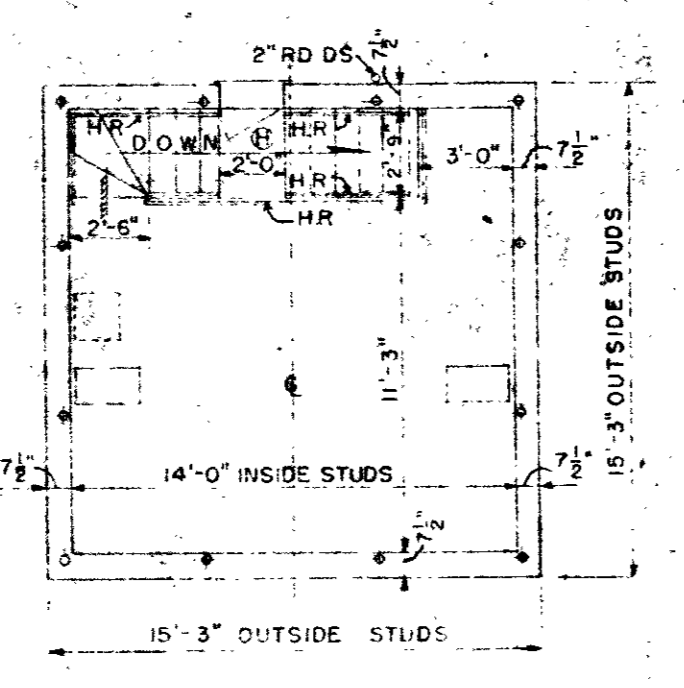
RIGHT SIDE



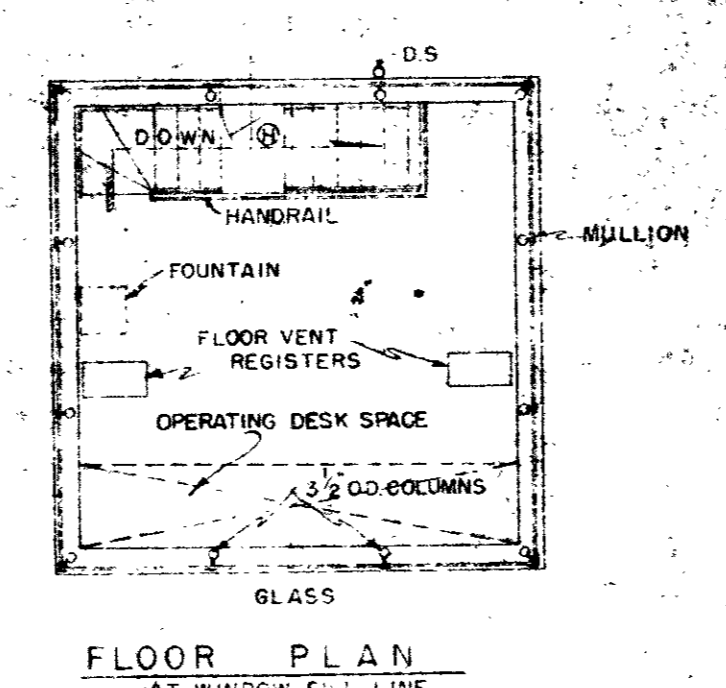
REAR



FLOOR PLAN  
JUNCTION SPACE  
BELOW CONTROL RM  
SECTION C-C



FLOOR PLAN  
CONTROL ROOM  
SECTION D-D

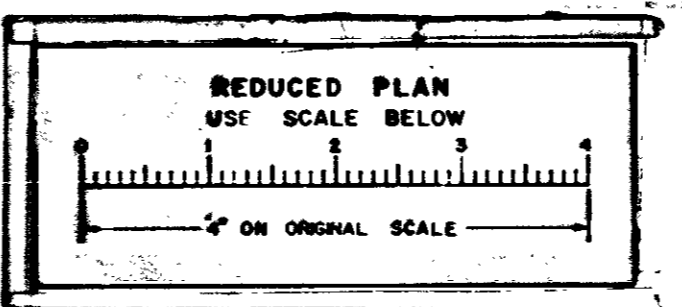


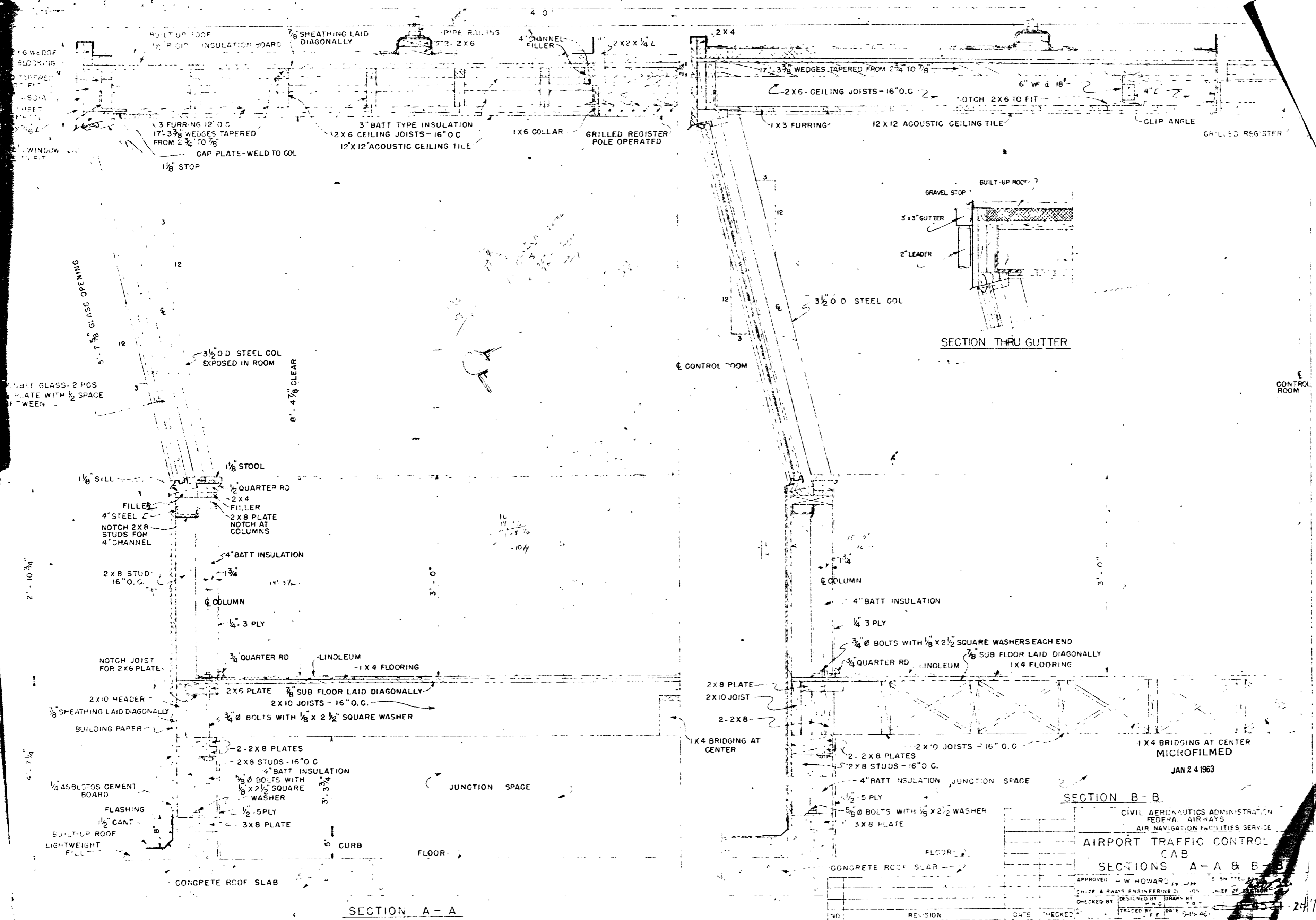
FLOOR PLAN  
AT WINDOW SILL LINE

OPENING SCHEDULE		
SYMBOL	SIZE	DESCRIPTION
H	2'-0\"/>	
K	2'-0\"/>	
L	15'-0\"/>	
B	2'-3\"/>	

MICROFILMED  
JAN 24 1963

CIVIL AERONAUTIC ADMINISTRATION FEDERAL AIRWAYS AIR NAVIGATION FACILITIES SERVICE AIRPORT TRAFFIC CONTROL CAS PLANS & ELEVATIONS			
APPROVED BY	DATE	CHECKED BY	DATE
DESIGNED BY	DATE	DRAWN BY	DATE
NO.	REVISION	DATE	CHECKED





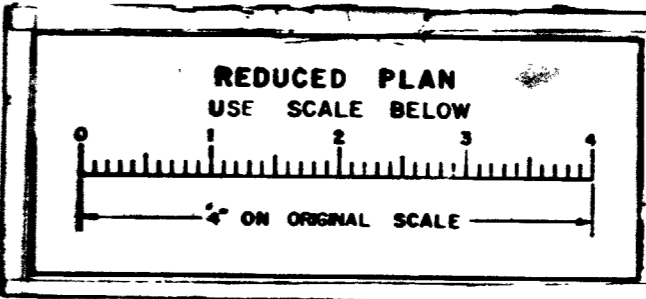
JAN 24 1963

SECTION B-B

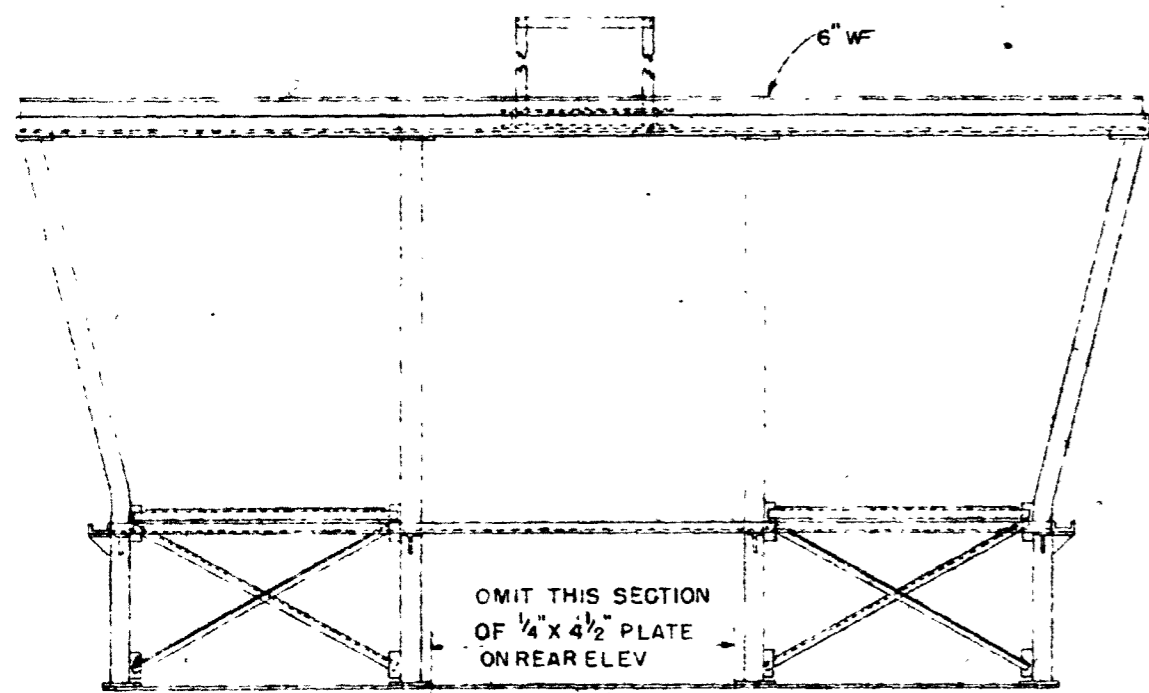
CIVIL AERONAUTICS ADMINISTRATION  
 FEDERAL AIRWAYS  
 AIR NAVIGATION FACILITIES SERVICE  
 AIRPORT TRAFFIC CONTROL CAB

SECTIONS A-A & B-B

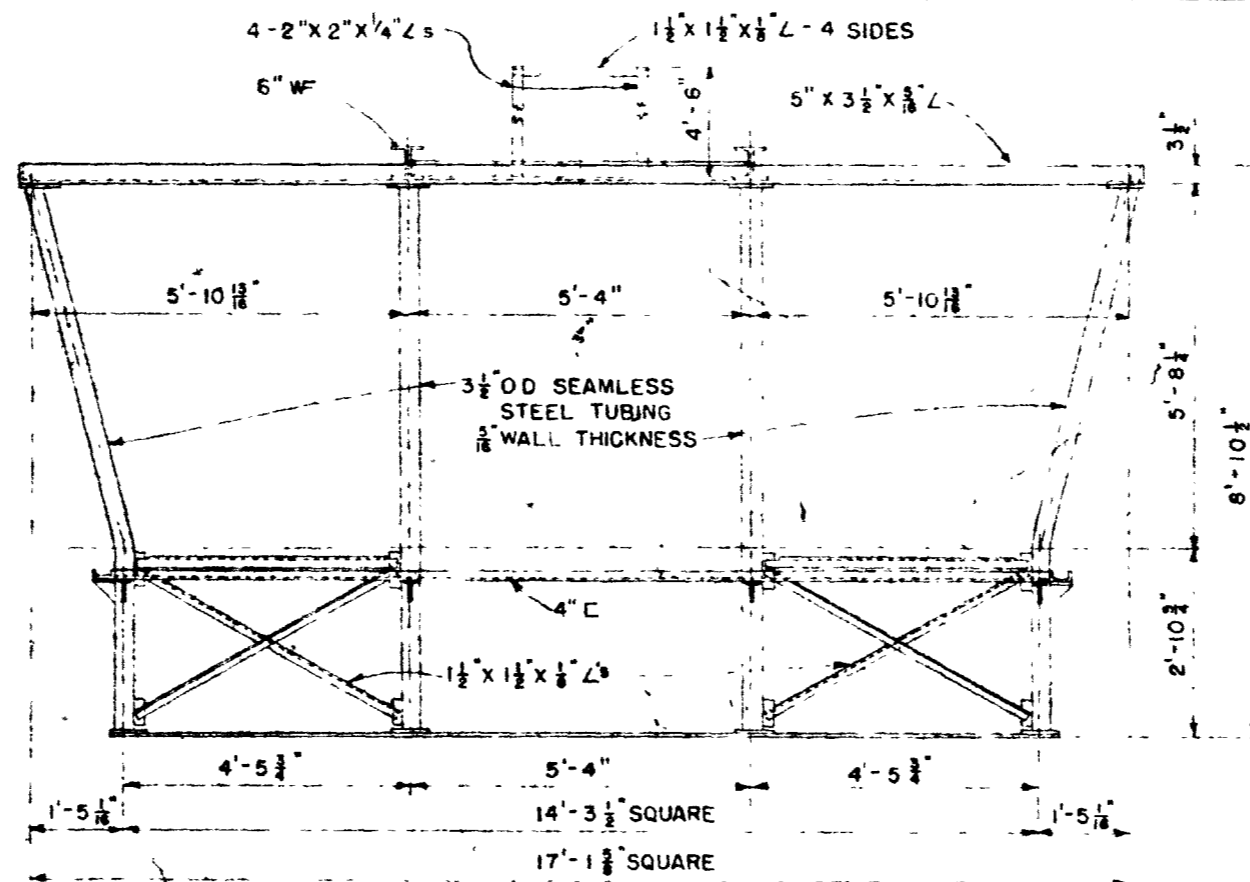
APPROVED: H. W. HOWARD, JR., ENGINEER  
 CHIEF AIRWAYS ENGINEERING DIVISION, AIRPORT TRAFFIC CONTROL CAB  
 DESIGNED BY: [Signature]  
 CHECKED BY: [Signature]  
 DRAWN BY: [Signature]  
 DATE: 1/24/63



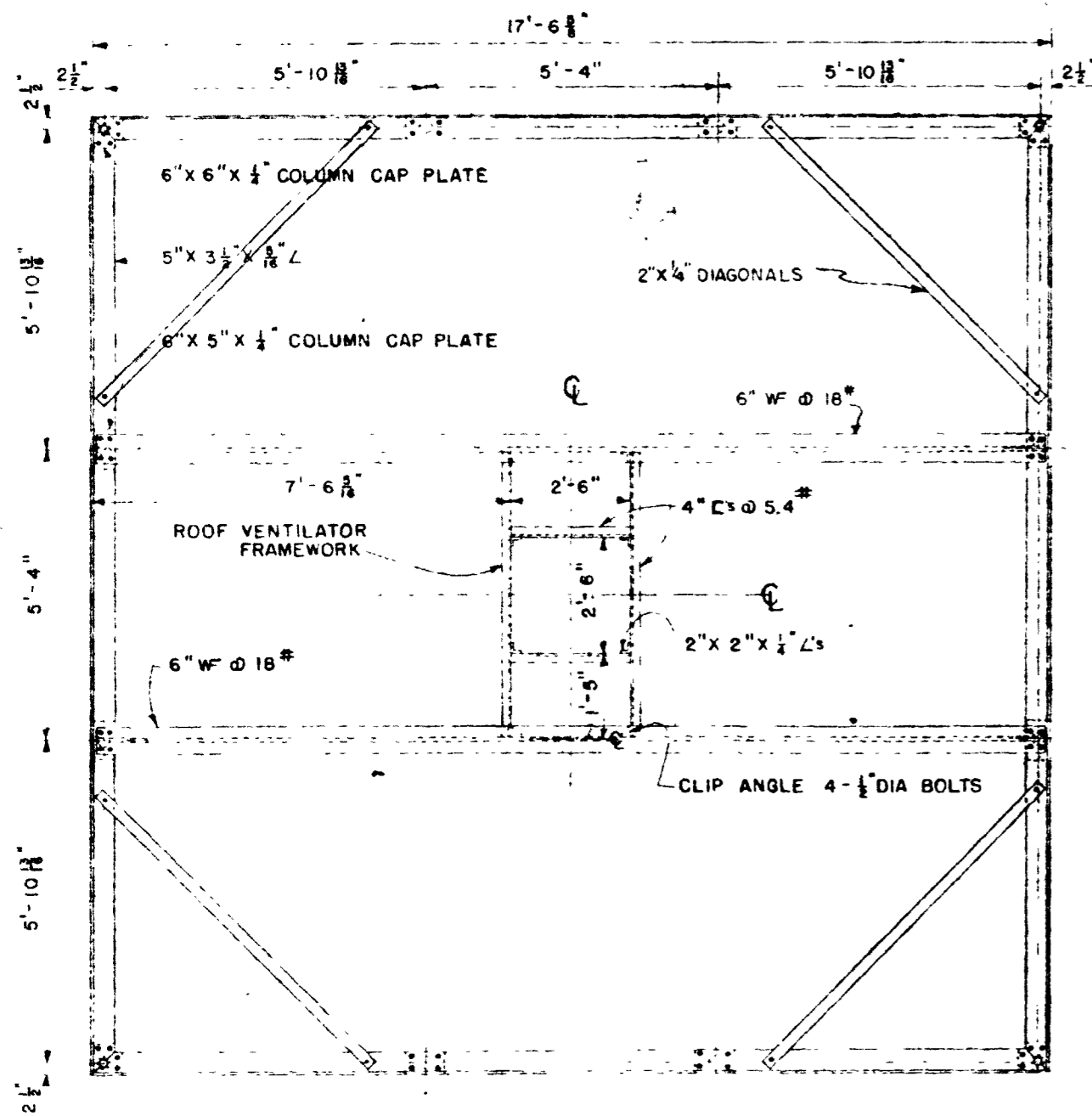




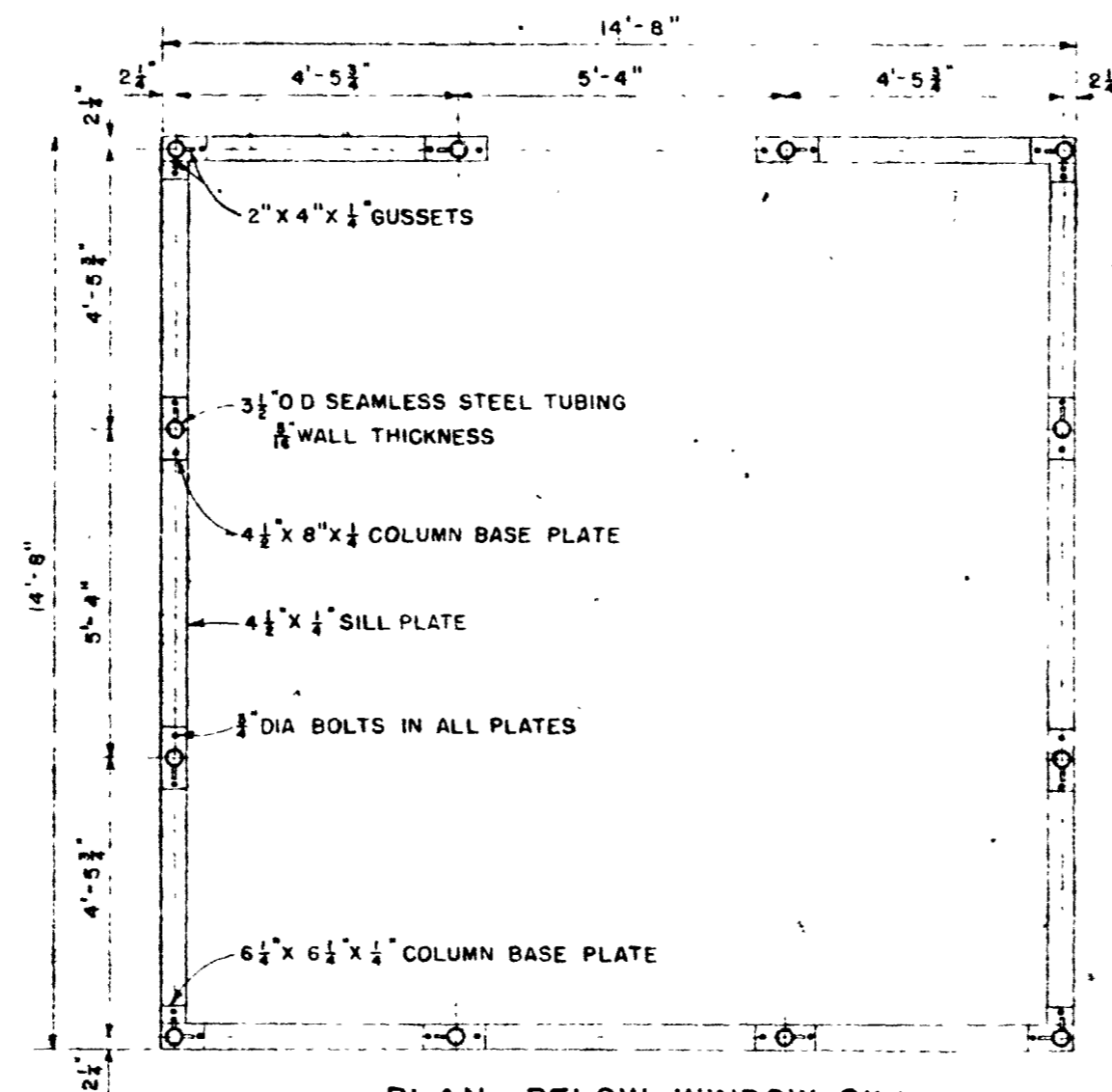
FRONT AND REAR ELEVATION



TYPICAL SIDE ELEVATION



ROOF PLAN

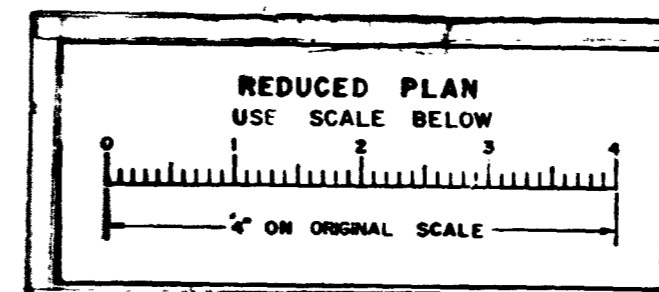


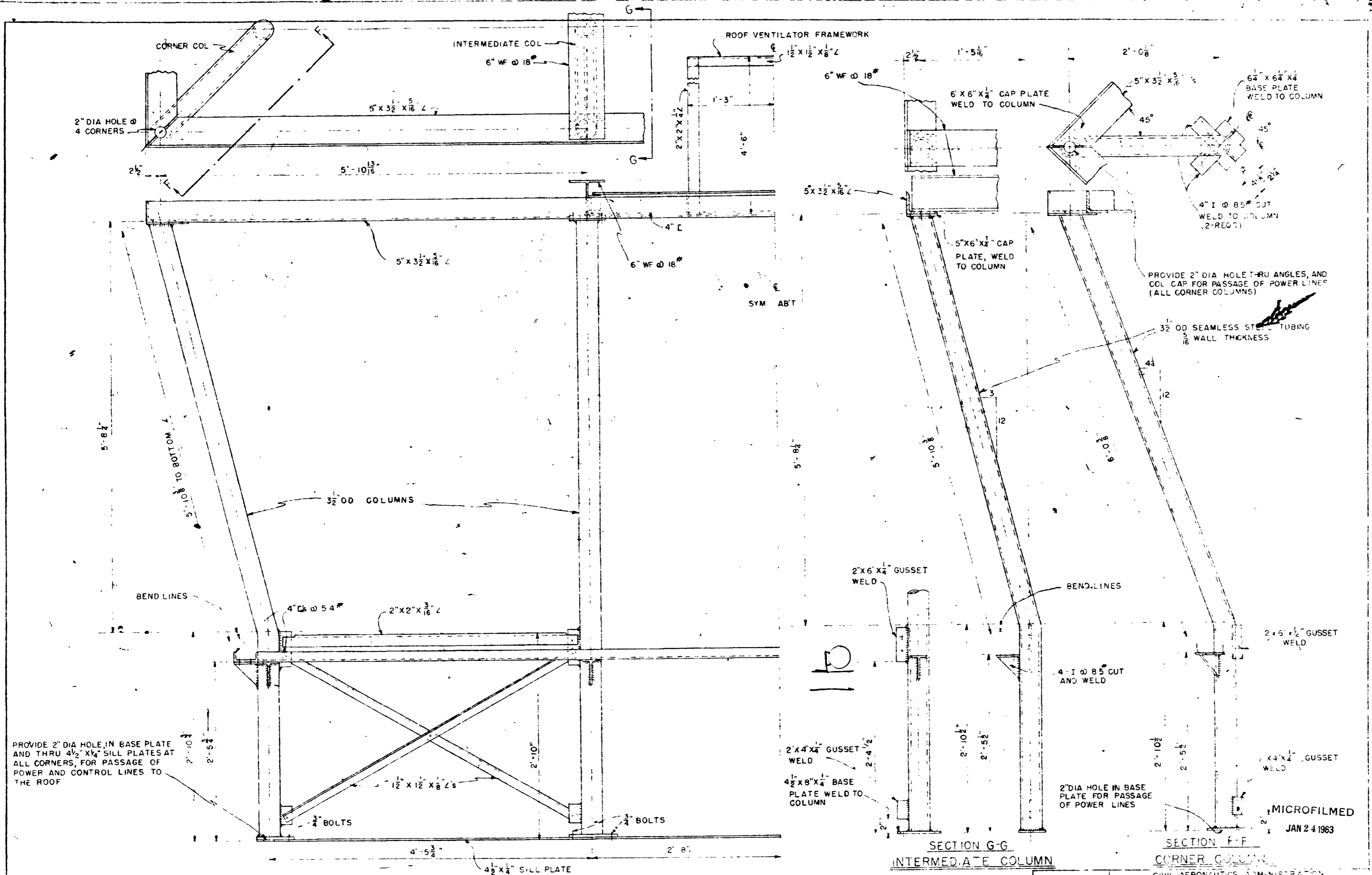
PLAN - BELOW WINDOW SILL-

NOTE:  
 1 ALL BOLTS 1/2 DIA  
 UNLESS INDICATED  
 OTHERWISE  
 MICROFILMED  
 JAN 24 1963

CIVIL AERONAUTICS ADMINISTRATION FEDERAL AIRWAYS AIR NAVIGATION FACILITIES SERVICE			
AIRPORT TRAFFIC CONTROL CAB STEEL FRAMING			
APPROVED H. W. HOWARD	DATE	12/14/46	347
DESIGNED H. R. GRANN	DATE	8/1/46	
TRACED W. M. P.	DATE	8/1/46	
NO.	REVISION	DATE	CHECKED

12849-10

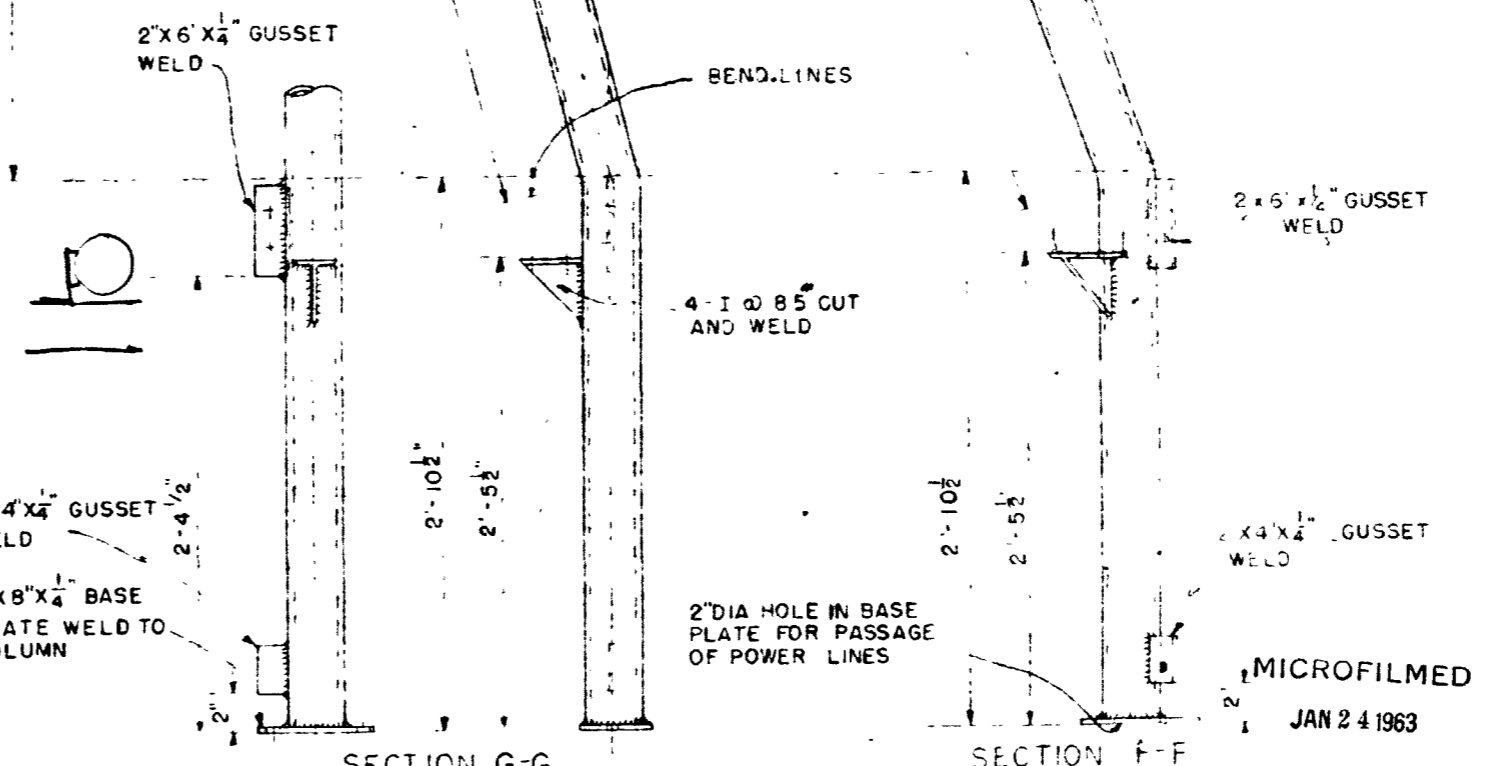




PROVIDE 2" DIA HOLE IN BASE PLATE AND THRU 4 1/2" X 1/2" SILL PLATES AT ALL CORNERS, FOR PASSAGE OF POWER AND CONTROL LINES TO THE ROOF

NOTE - ALL BOLTS 1/2" DIA UNLESS INDICATED OTHERWISE

HALF ELEVATION



SECTION G-G  
INTERMEDIATE COLUMN

SECTION F-F  
CORNER COLUMN

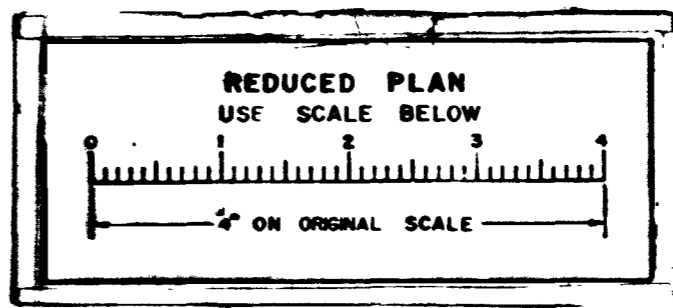
CIVIL AERONAUTICS ADMINISTRATION  
FEDERAL AIRWAYS  
AIR NAVIGATION FACILITIES DIVISION  
AIRPORT TRAFFIC CONTROL CAB  
STEEL DETAILS

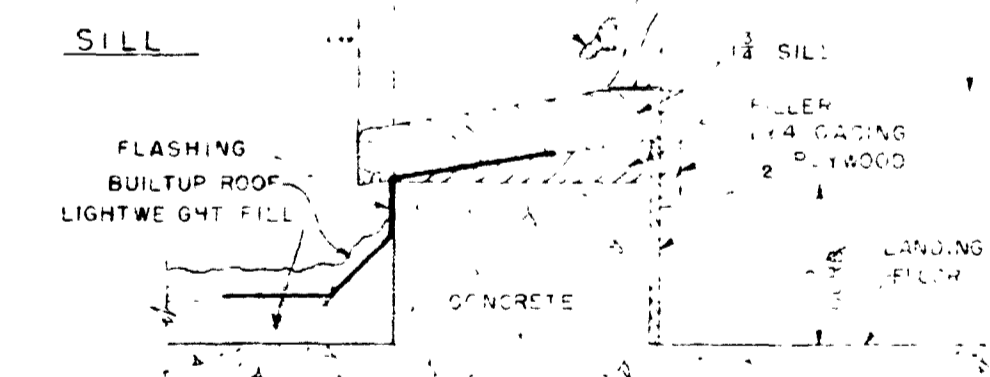
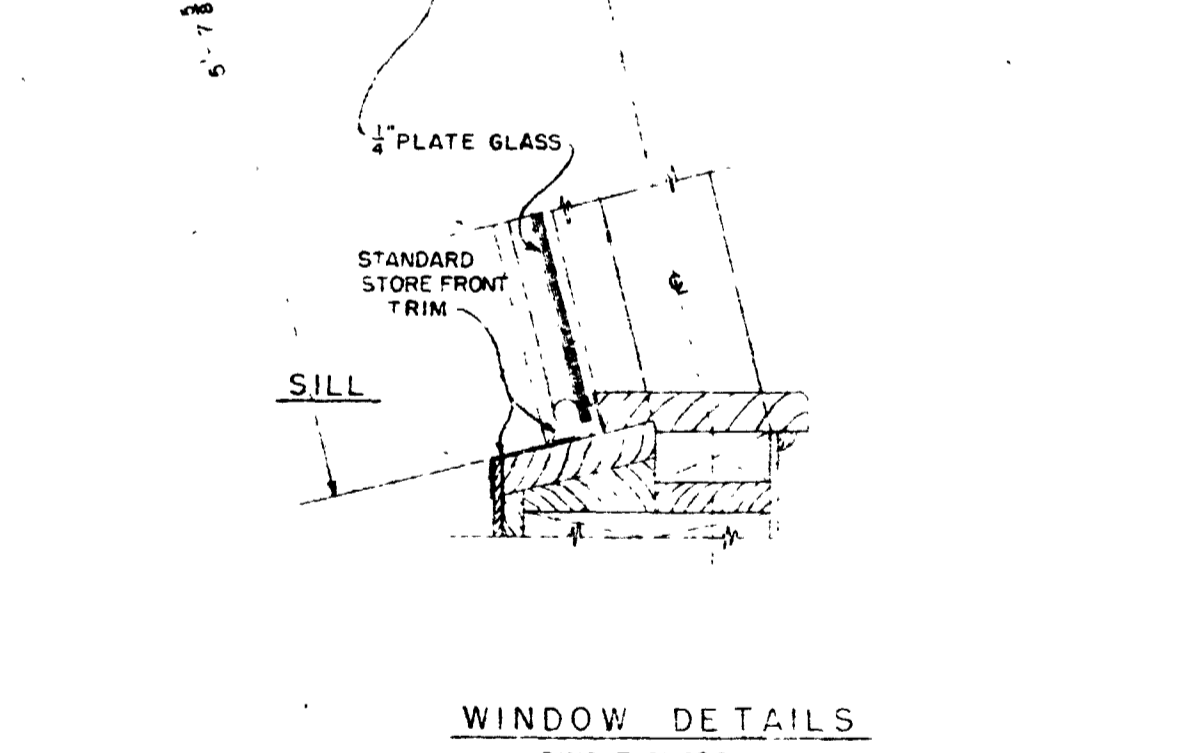
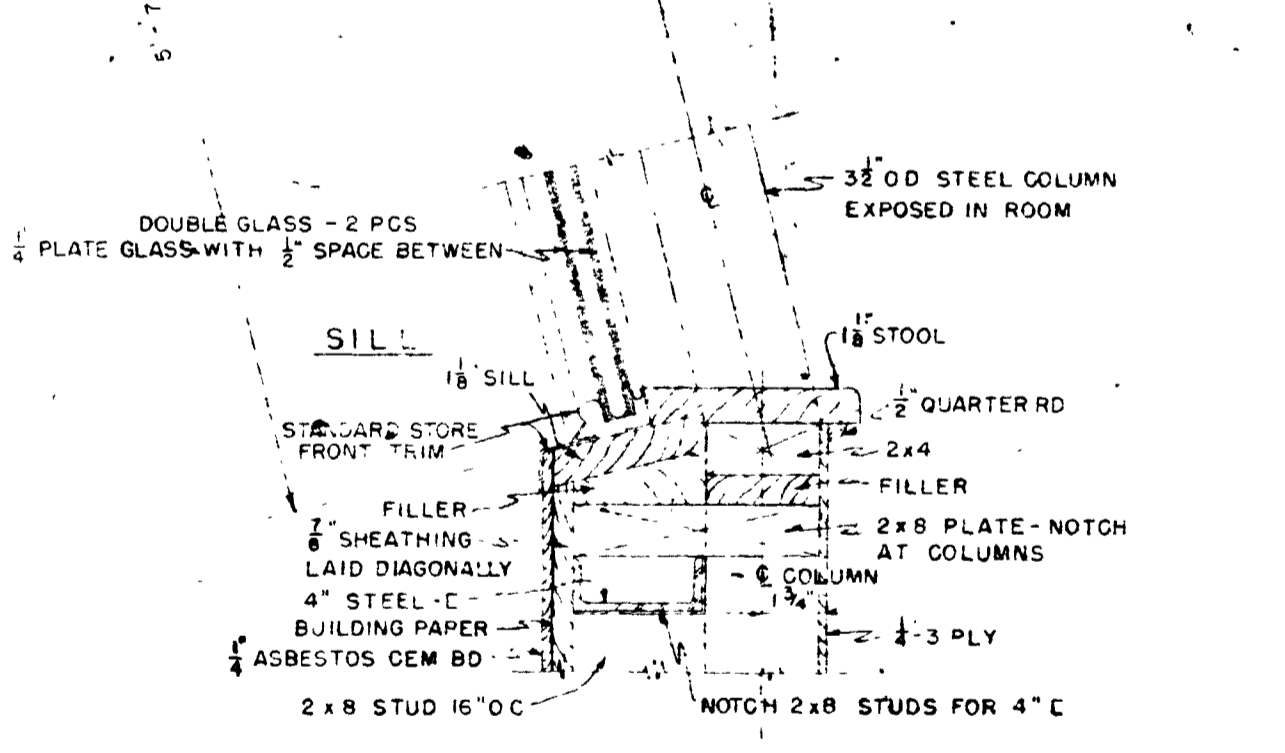
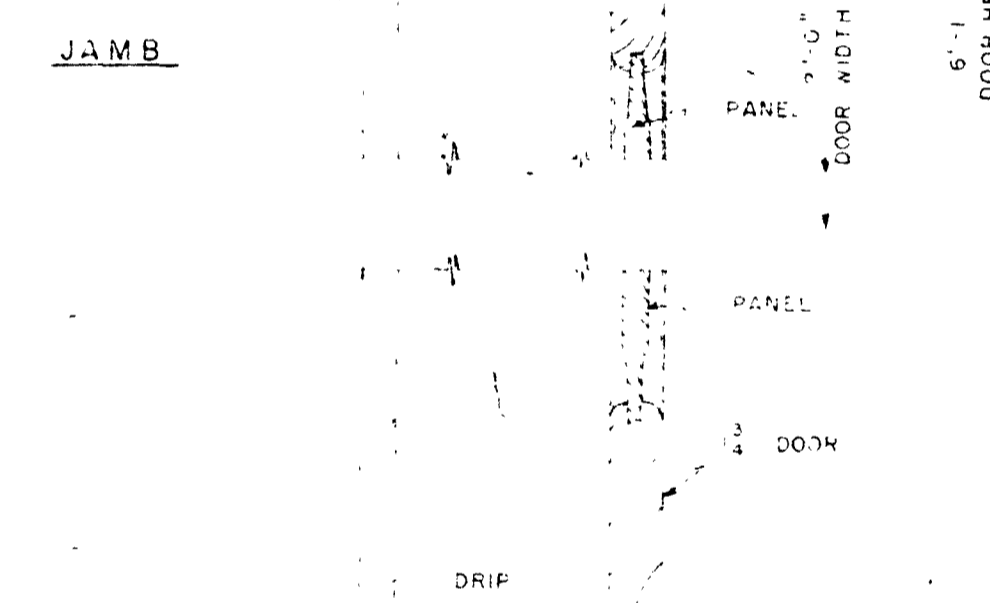
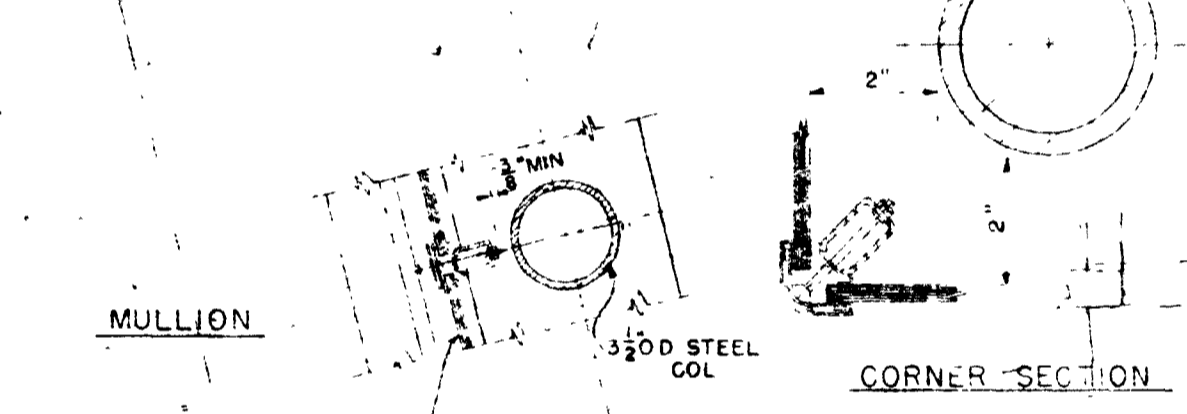
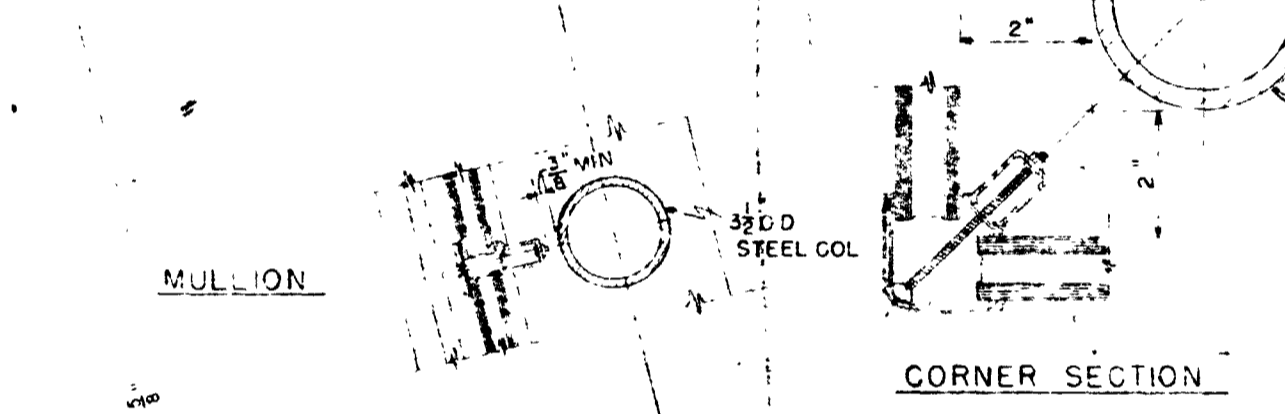
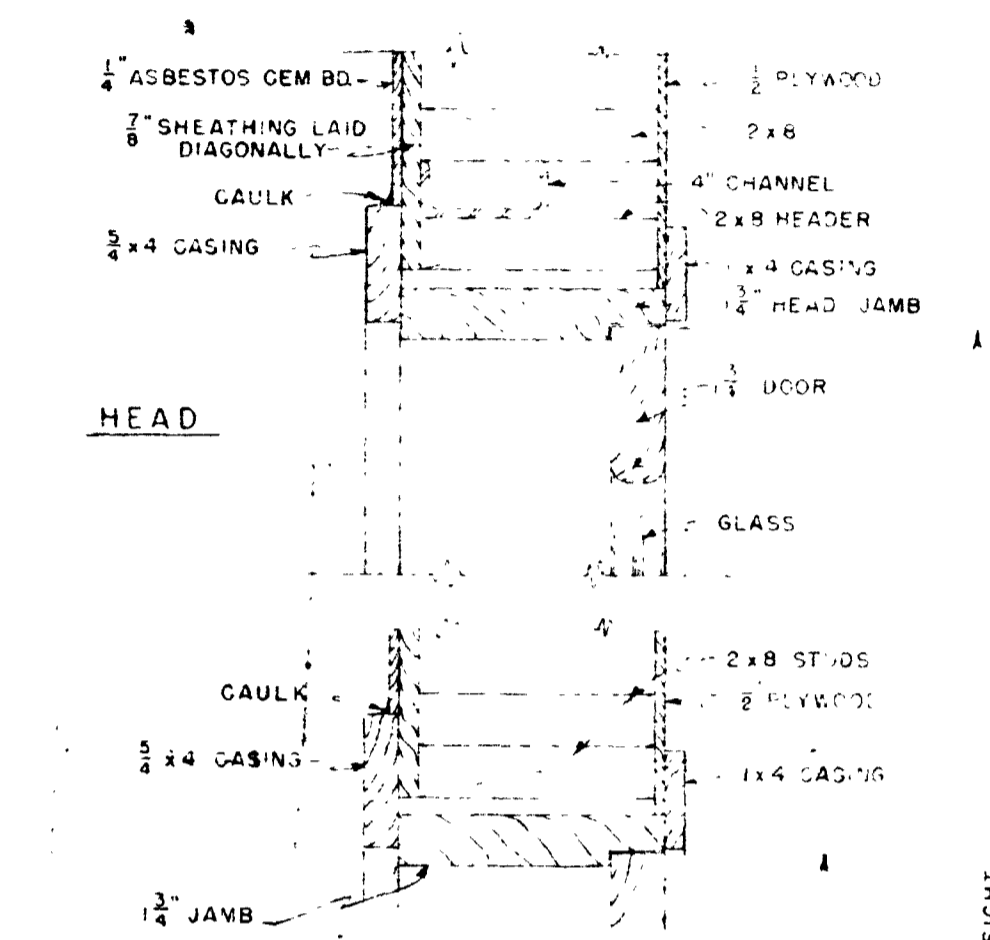
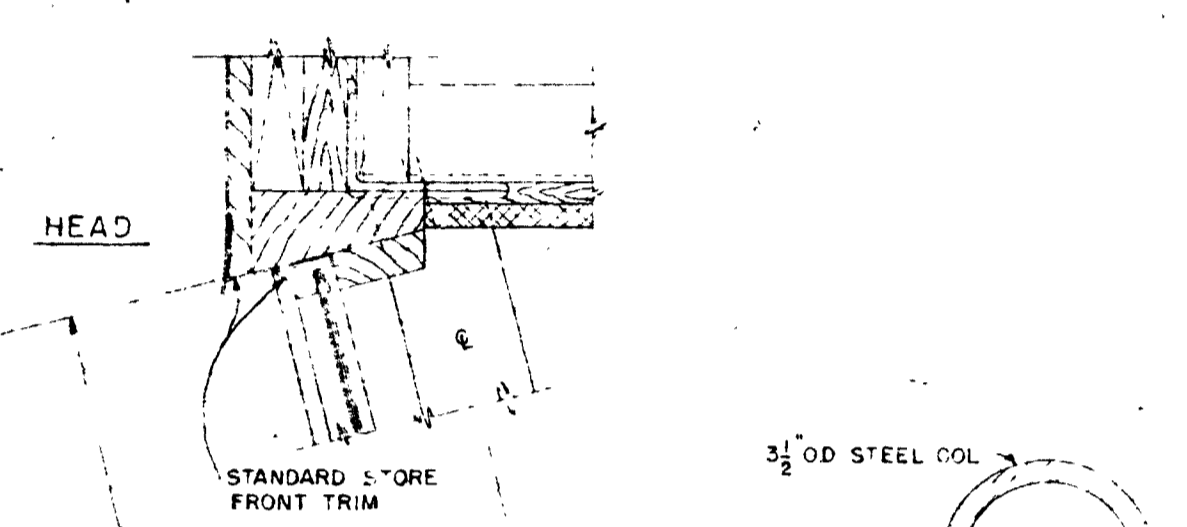
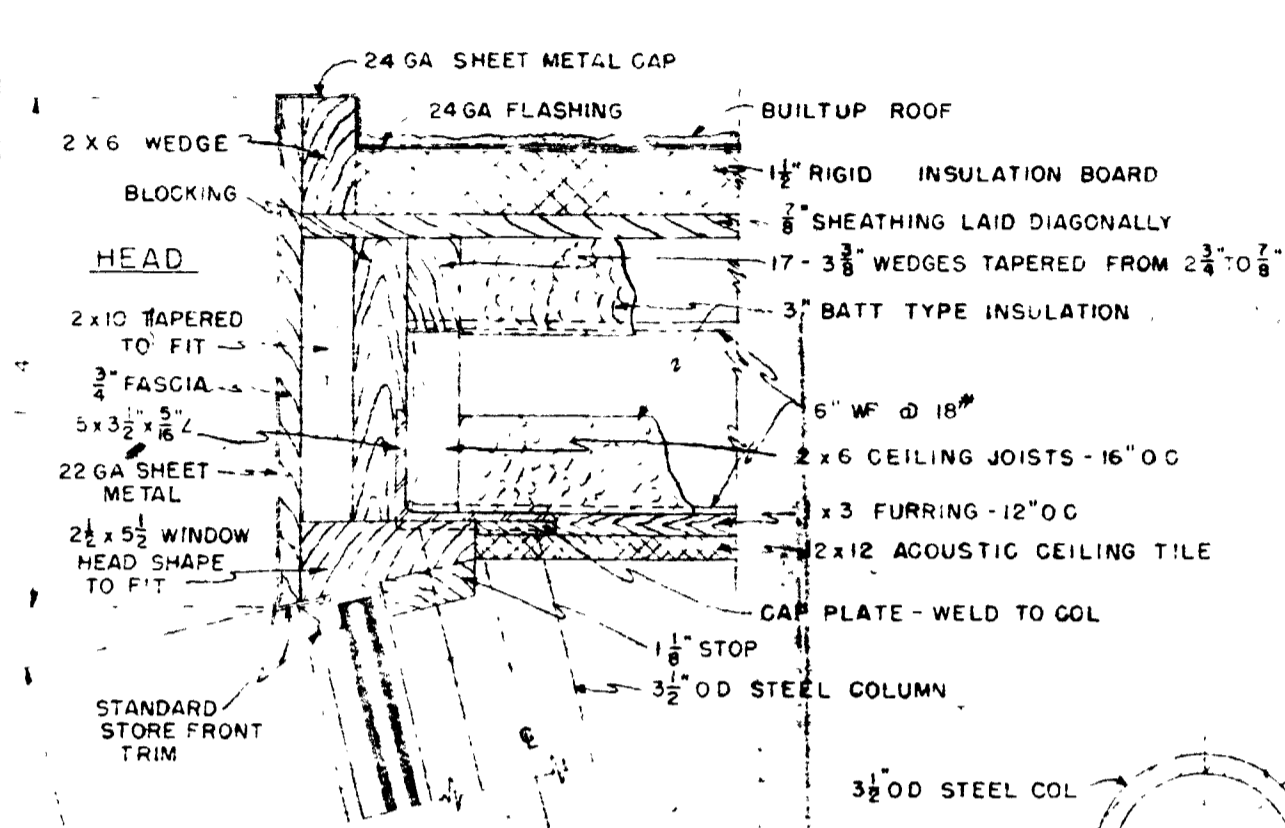
NO.	REVISION	DATE	CHECKED	DESIGNED	TRACED	DATE

APPROVED H. W. HOWARD  
CHIEF AIRWAY ENGINEER  
CHECKED BY [Signature]  
DATE [ ]

MICROFILMED  
JAN 24 1963

12879-6 11





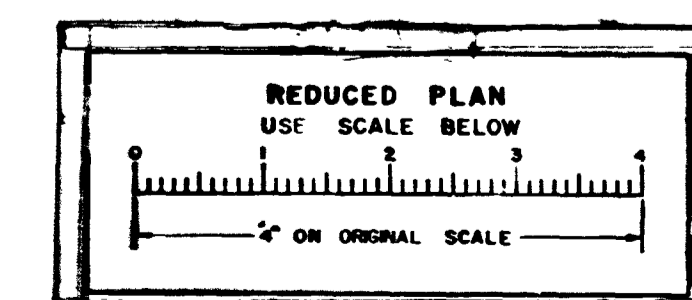
WINDOW DETAILS  
DOUBLE GLASS

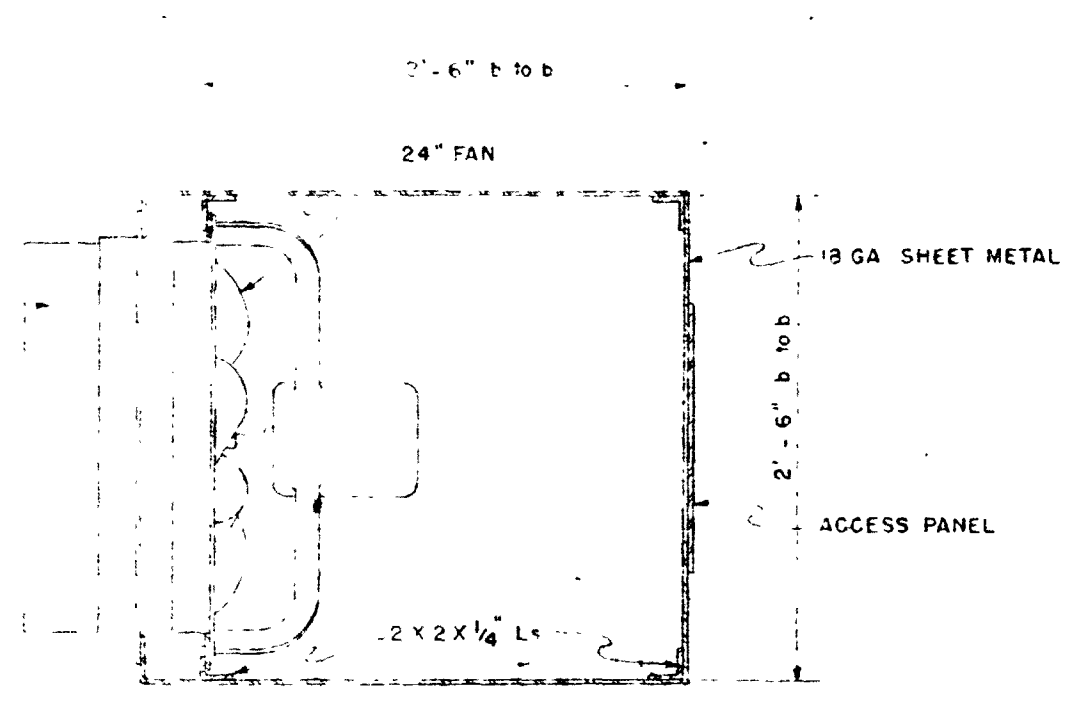
WINDOW DETAILS  
SINGLE GLASS

DOOR HEAD DETAILS  
MICROFILMED  
JAN 24 1963

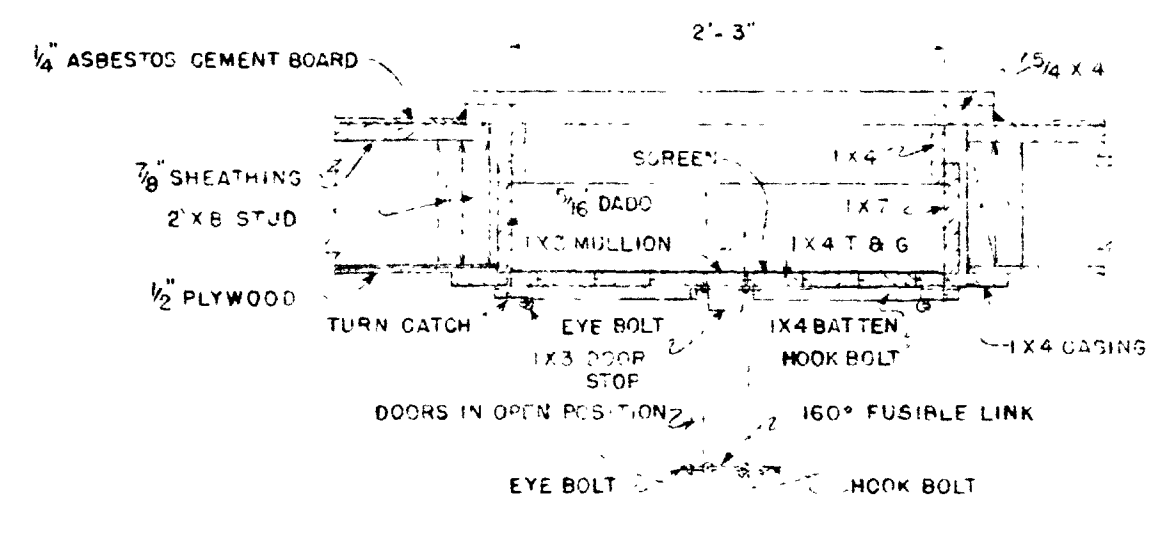
NO.				REVISION				DATE				CHECKED			

CIVIL AERONAUTIC ADMINISTRATION  
FEDERAL AVIATION  
AIRWAY OBSTRUCTION SERVICE  
AIRPORT TRAFFIC CONTROL  
DAB  
WINDOW & DOOR DETAILS  
APPROVED: H. HOWARD  
CHECKED: [Signature]  
DESIGNED: [Signature]  
DRAWN: [Signature]  
DATE: 12-1-62

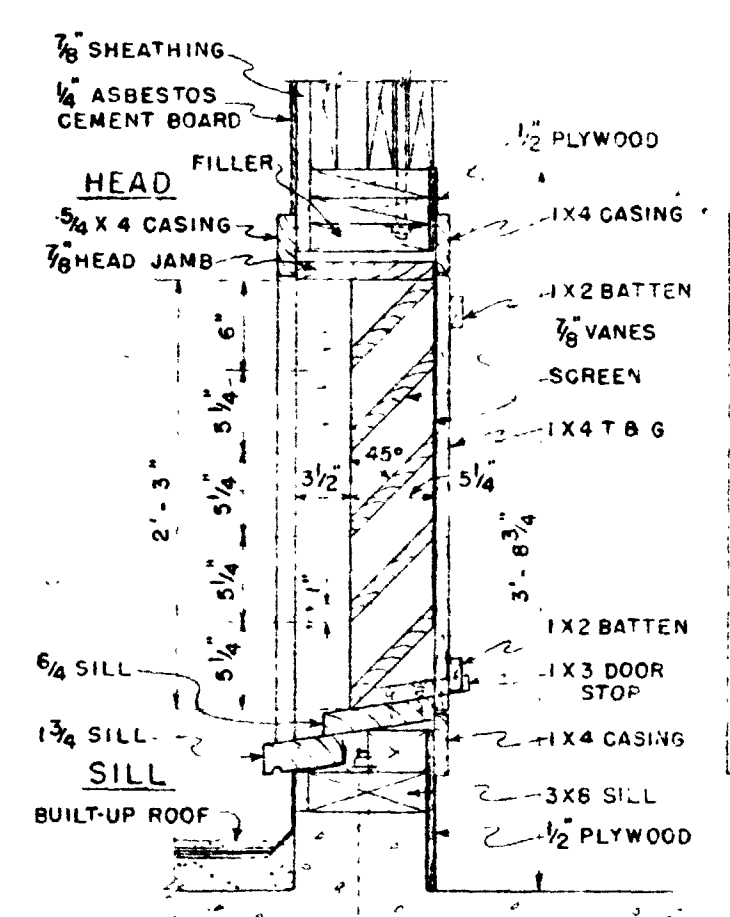




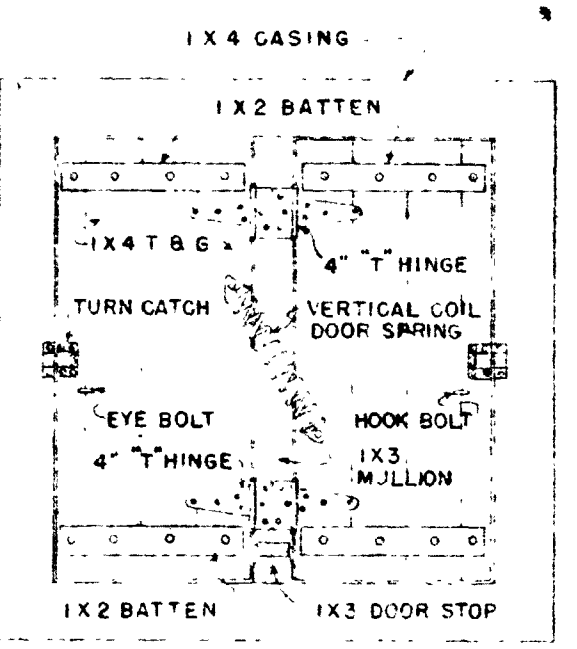
PLAN SECTION



PLAN

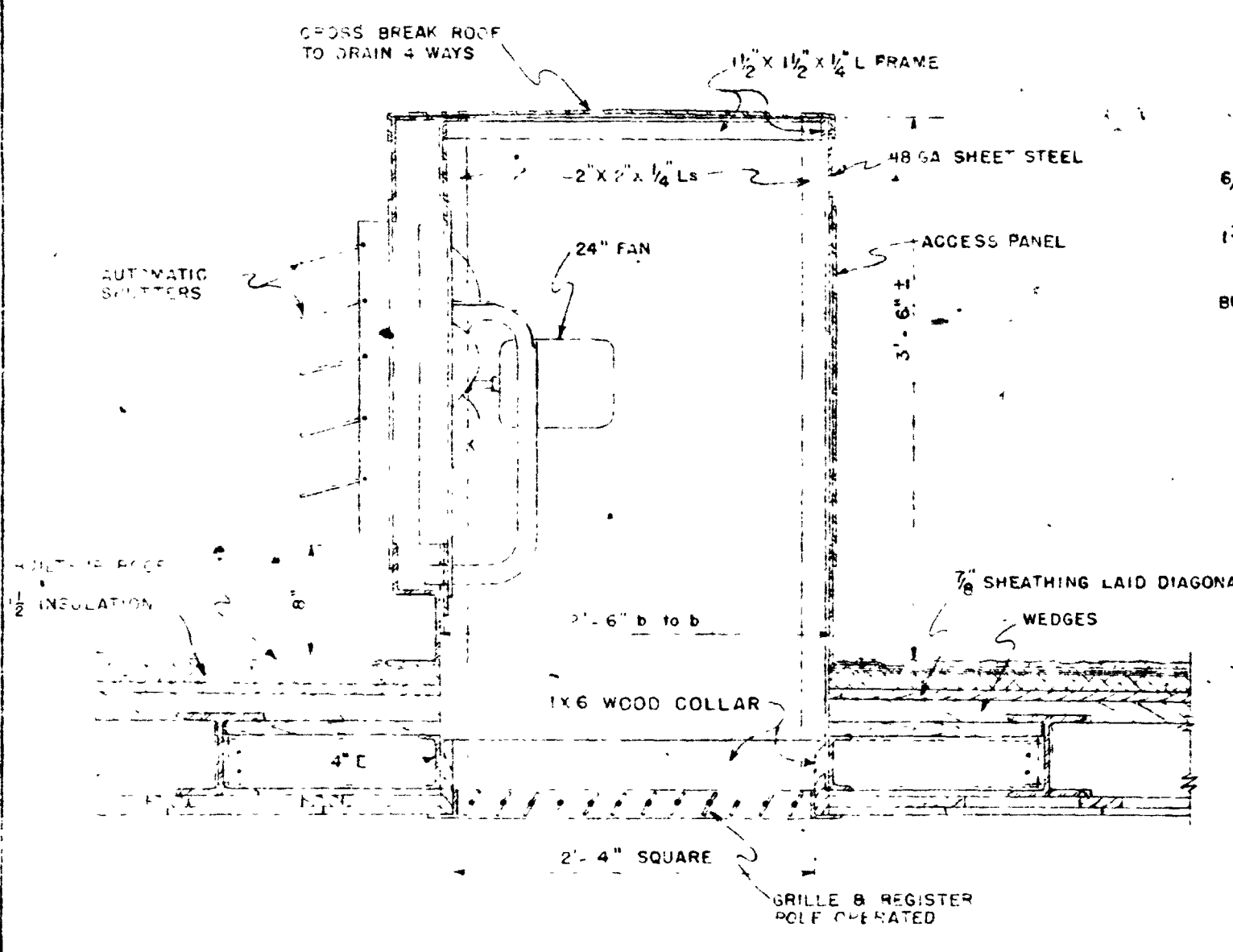


VERTICAL SECTION

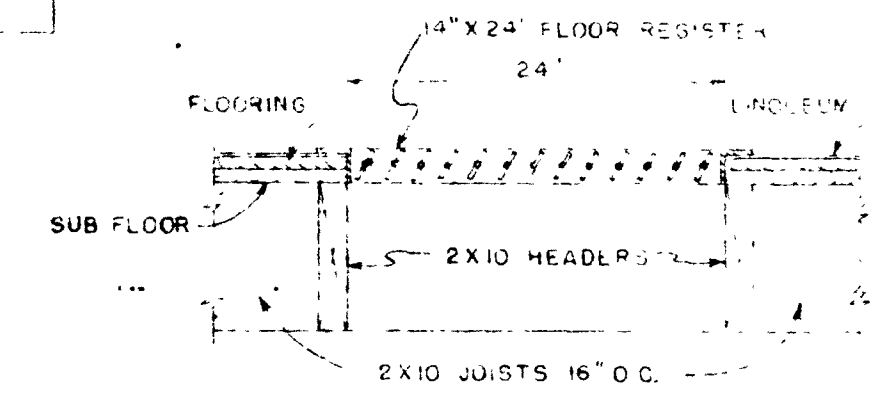


INSIDE ELEVATION

LOUVER DETAILS ⑧



ROOF VENTILATOR SECTION E-E

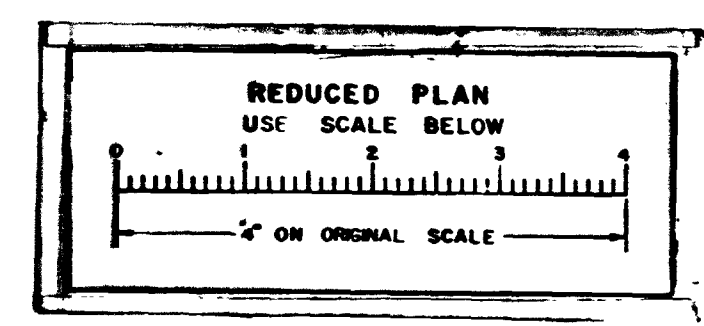


FLOOR REGISTER DETAIL

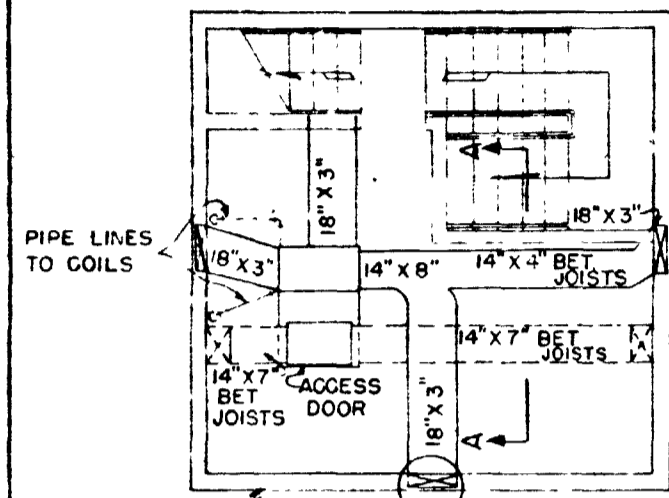
MICROFILMED  
JAN 24 1963

CIVIL AERONAUTICS ADMINISTRATION FEDERAL AIRWAYS AIR NAVIGATION FACILITIES SERVICE AIRPORT TRAFFIC CONTROL CAB			
VENTILATION DETAILS			
APPROVED	H. H. HOWARD	DATE	8/15/58
CHEKED	W. H. C.	DRAWN	J. F. F.
NO.	REVISION	DATE	CHECKED

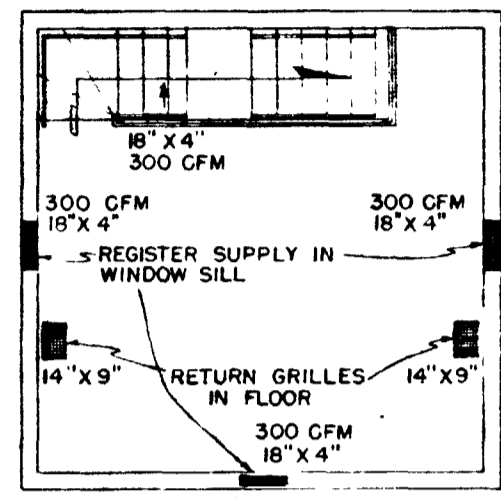
12847-L13





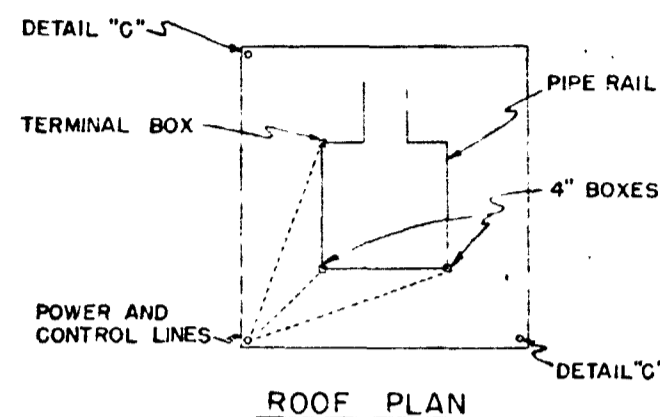


JUNCTION ROOM

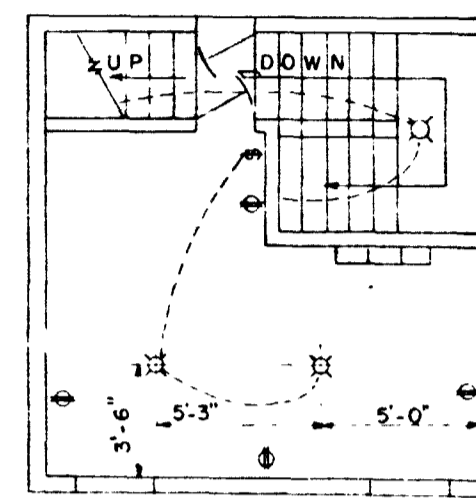


CONTROL ROOM

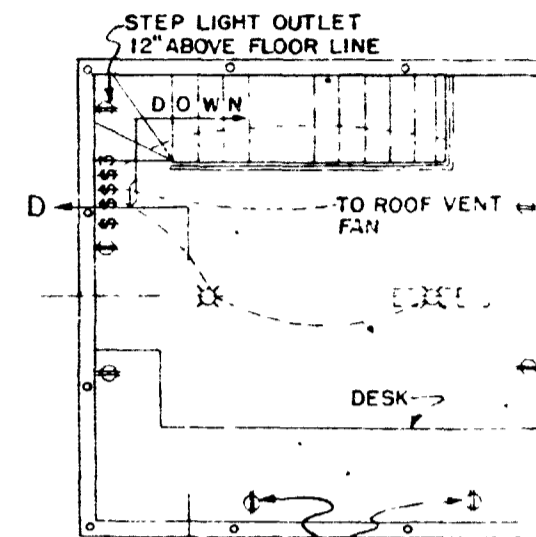
AIR QUANTITIES GIVEN FOR SUMMER AIR CONDITIONING



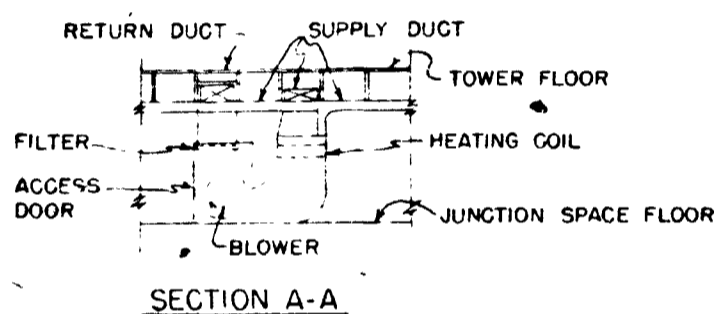
ROOF PLAN



JUNCTION ROOM

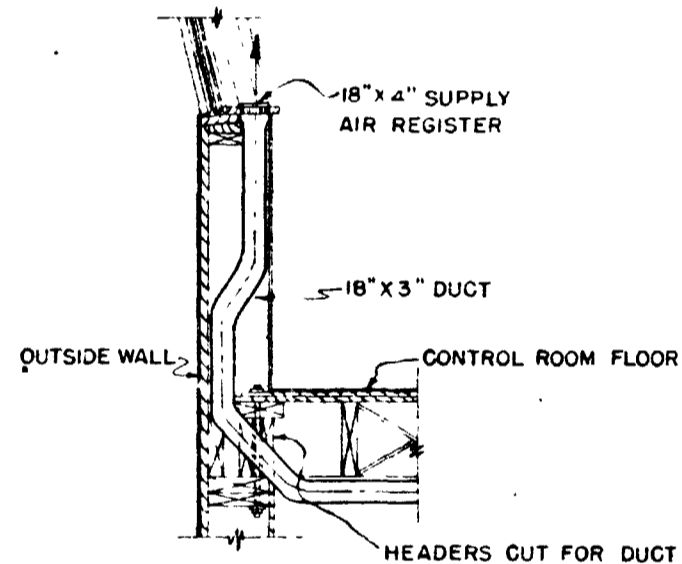


CONTROL ROOM



SECTION A-A

PLENUM NOT REQUIRED IF AIR CONDITIONING UNIT IS INSTALLED

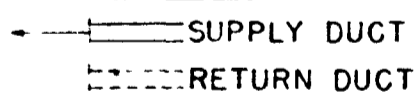


DETAIL "B" TYPICAL SECTION

NOTES:

1. PIPING SIZED FOR A DESIGN TEMPERATURE OF 0° F. SIZES FOR OTHER DESIGN TEMPERATURES MAY BE INCREASED OR REDUCED ACCORDINGLY ON APPROVAL OF SUBMITTED PLAN
2. SUMMER AIR CONDITIONING DESIGN TEMPERATURE 95° DB 75° WB INSIDE 80° DB 67° WB 51% RH AIR QUANTITIES BASED ON 24° TEMPERATURE DIFFERENCE AT COILS
3. FOR HEATING, AIR TEMPERATURE AT REGISTER SHALL NOT EXCEED 130° F

LEGEND

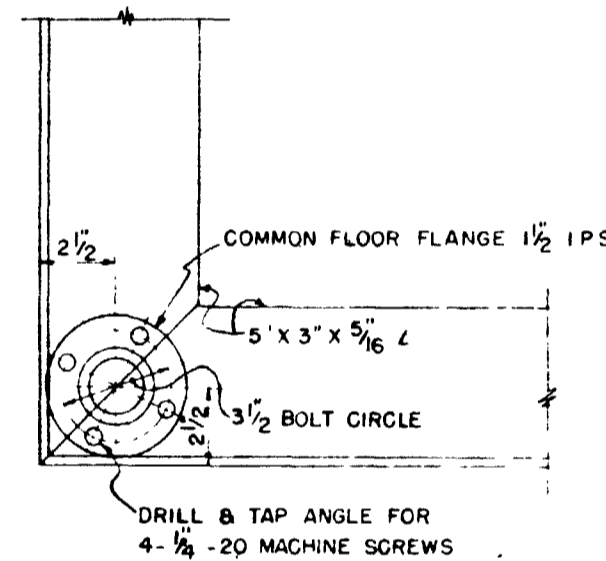


HEATING

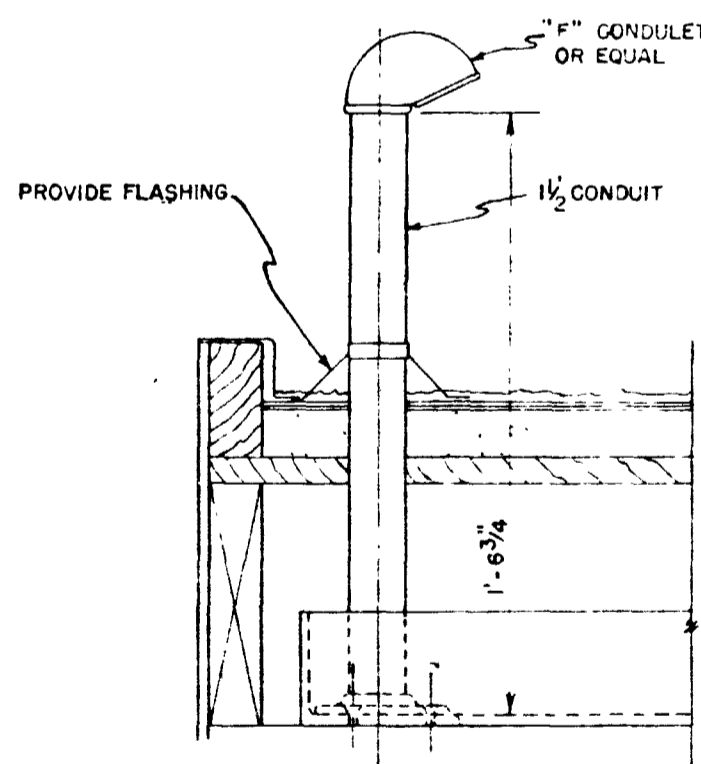
RADIATION CHART

DES'GN TEMP	REQ'D RADIATION	BTU/HR
-20°	210 SQ FT	41,740
0°	163 SQ FT	32,600
+20°	131 SQ FT	26,200

\* REQUIRED INSTALLED RADIATION BASED ON EMISSION RATE OF 200 BTU/HR

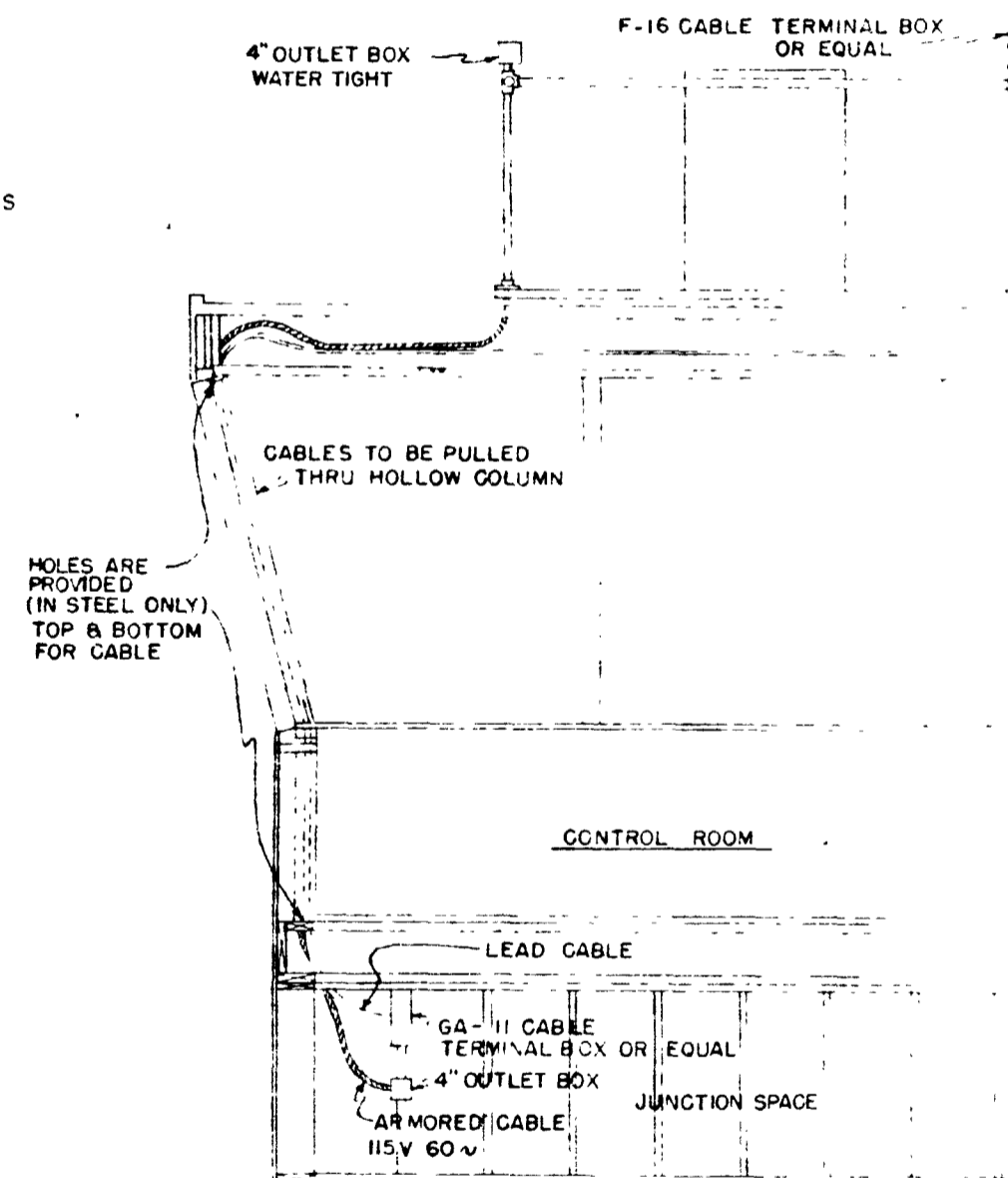


DETAIL "C" PLAN



DETAIL "C" ELEVATION

ELECTRICAL



SECTION D-D

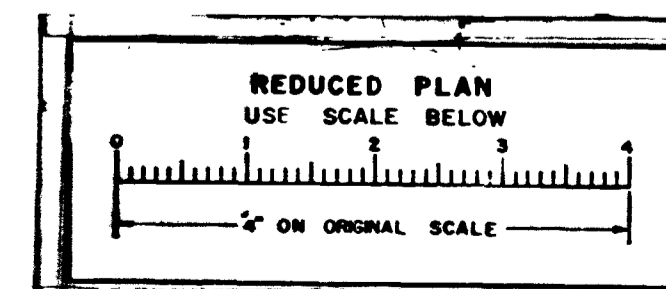
CIVIL AERONAUTICS ADMINISTRATION  
FEDERAL AIRWAYS  
AIR NAVIGATION FACILITIES SERVICE

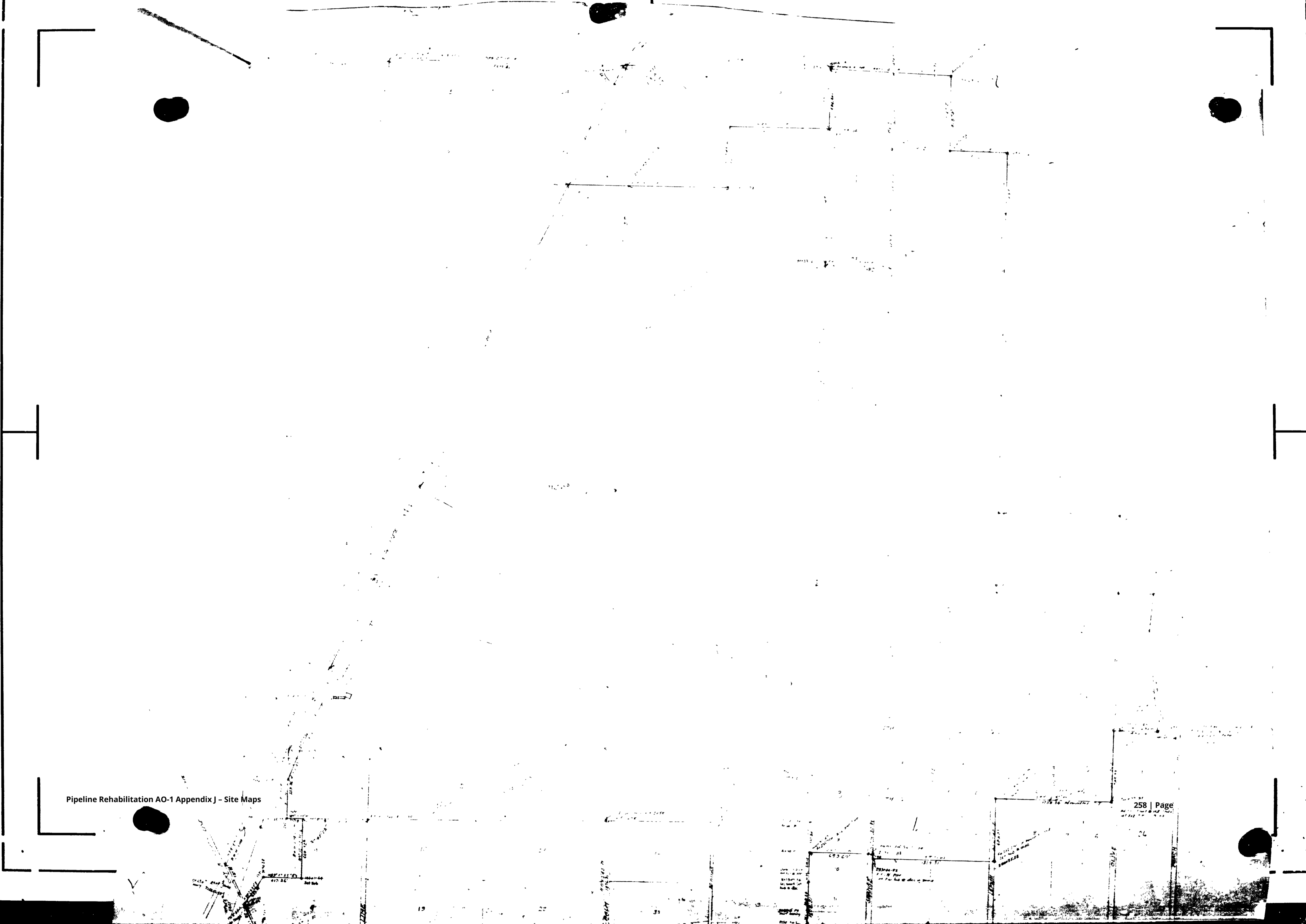
AIRPORT TRAFFIC CONTROL CAB  
ELECTRICAL AND HEATING LAYOUT

APPROVED: [Signature]  
CHIEF AIRWAYS ENGINEERING DIVISION  
CHECKED DESIGNED: [Signature]  
DRAWN D.K.W.  
TRACED D.K.W. DATE 10-18-46  
DR-D-453-747

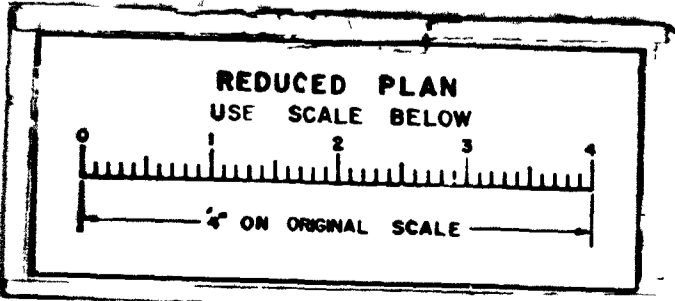
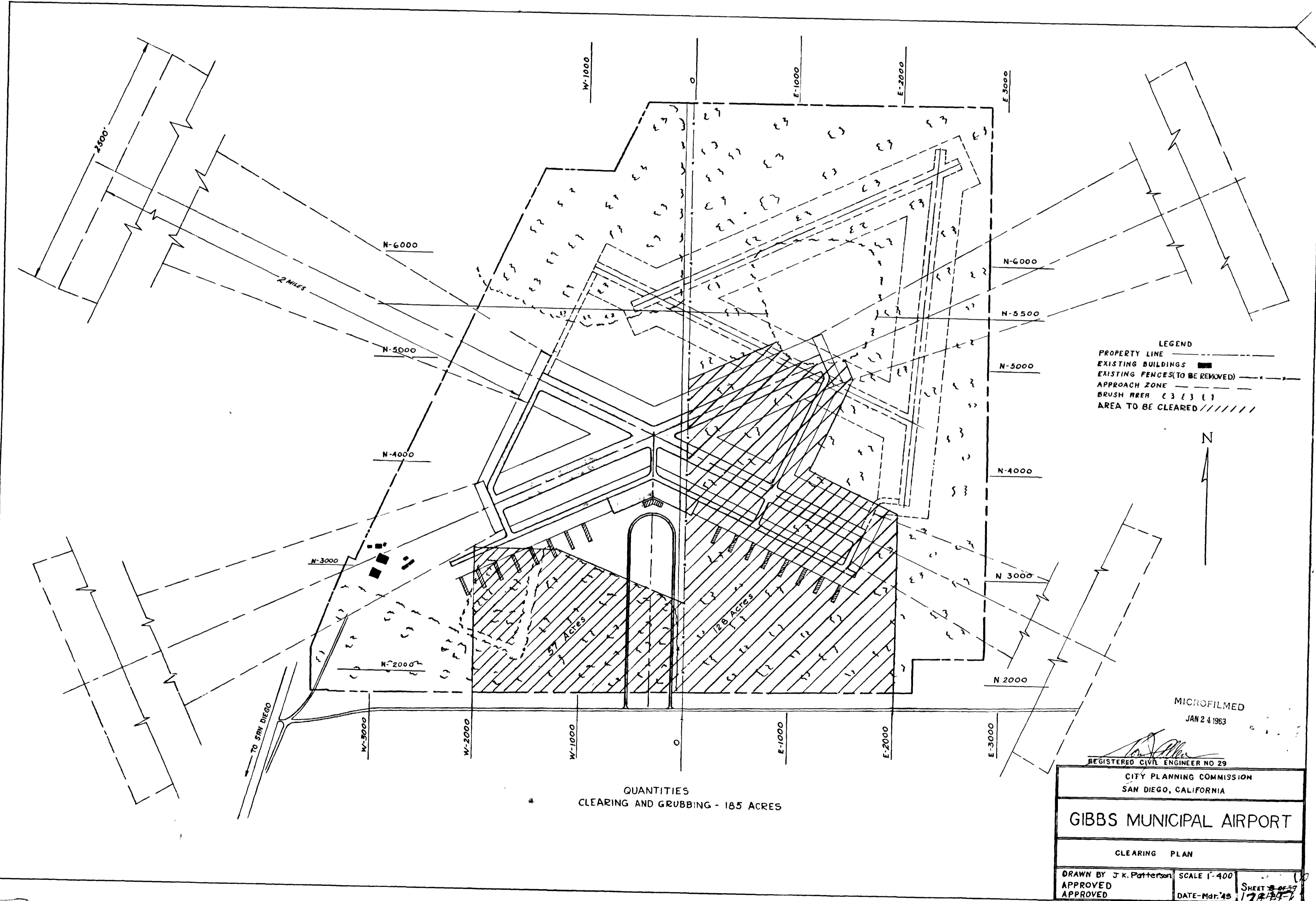
NO	REVISION	DATE	CHECKED

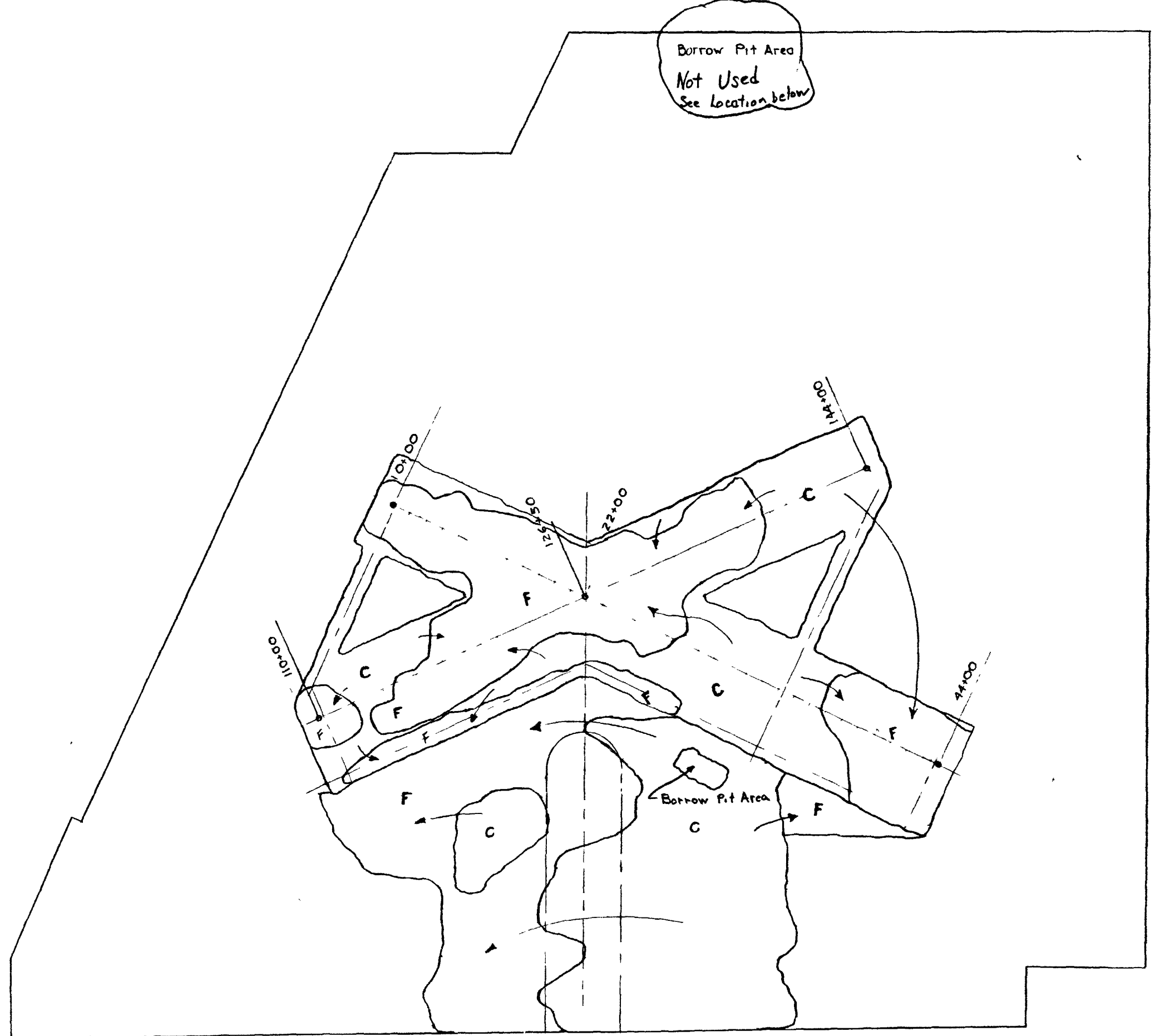
12849-614





Pipeline Rehabilitation AO-1 Appendix J - Site Maps





LEGEND  
 C - CUT  
 F - FILL

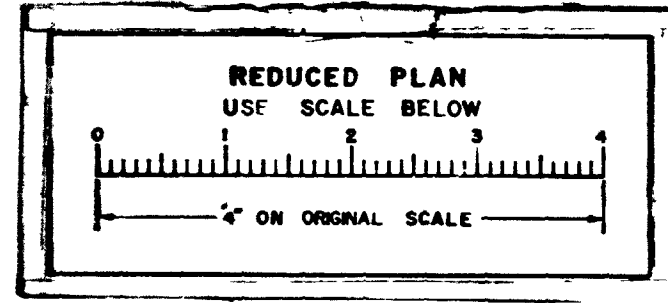
MICROFILMED  
 JAN 24 1963

*[Signature]*  
 REGISTERED CIVIL ENGINEER NO 29  
 CITY PLANNING COMMISSION  
 SAN DIEGO CALIFORNIA

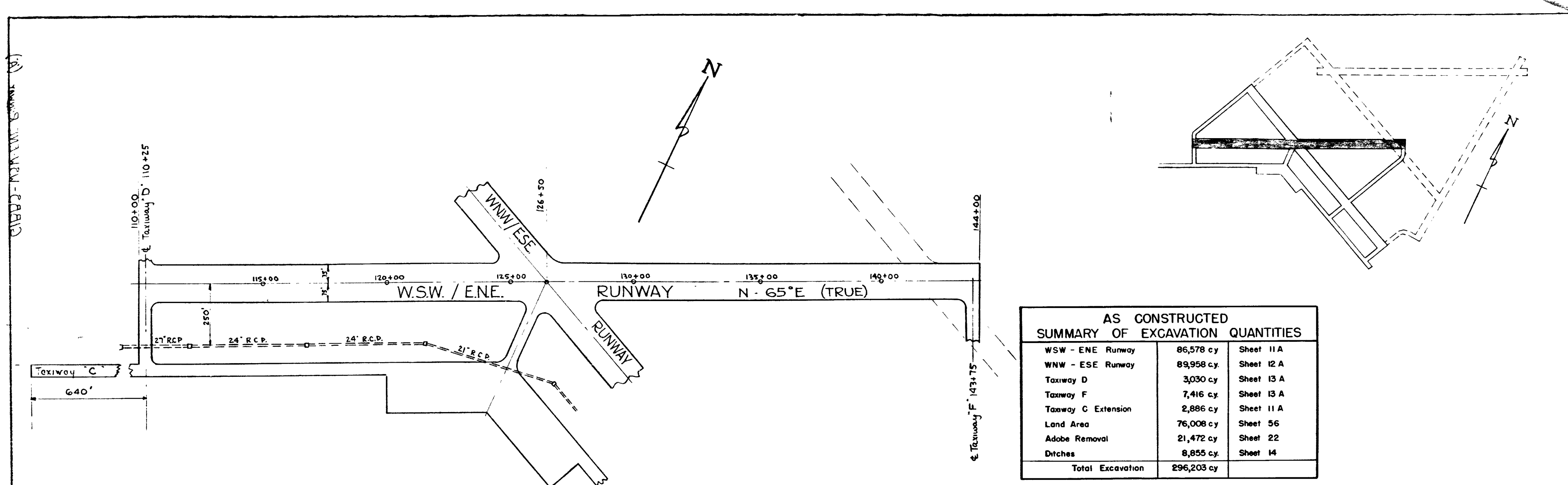
GIBBS MUNICIPAL AIRPORT

GRADING DISTRIBUTION PLAN

DRAWN BY J.K. Ratterman	SCALE - 1"=100'	SHEET 10 OF 37
APPROVED	DATE - Mar '48	178 99 118
APPROVED		





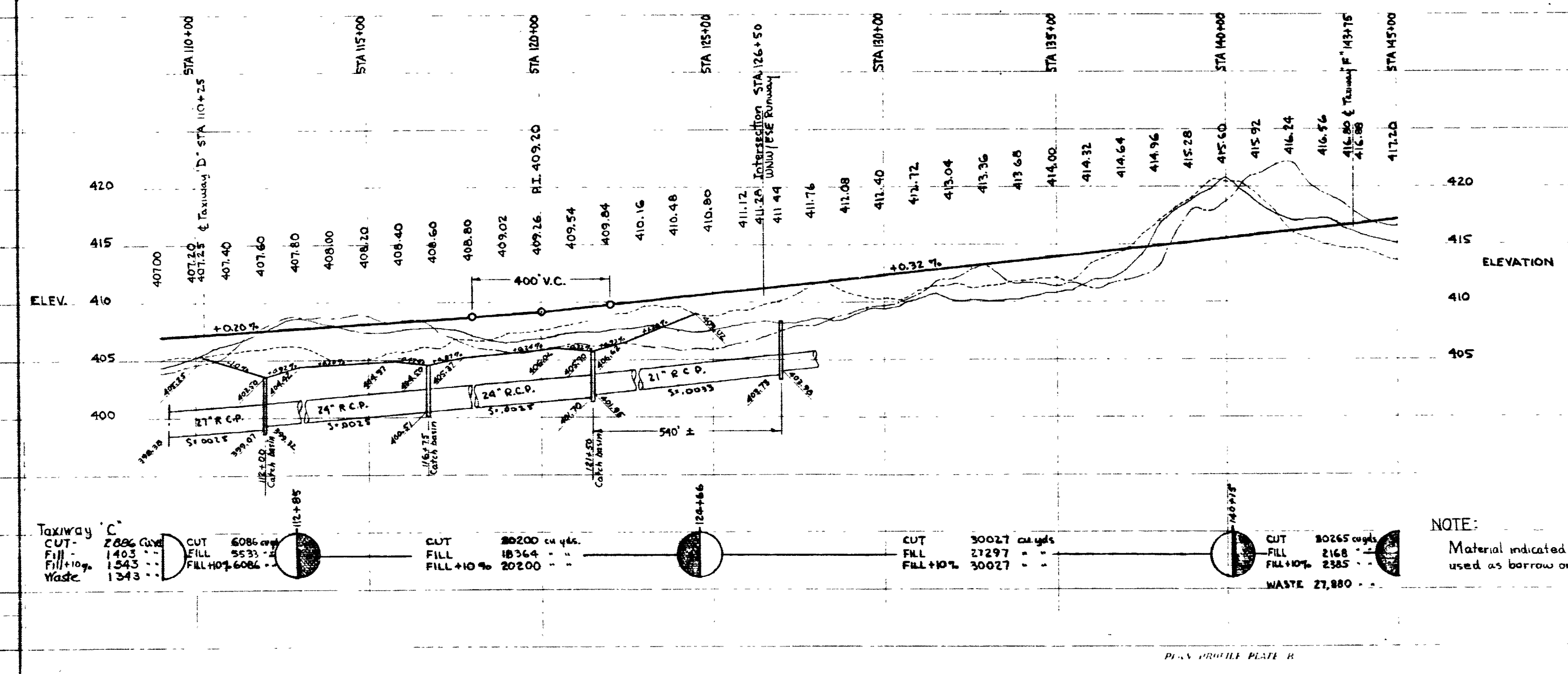
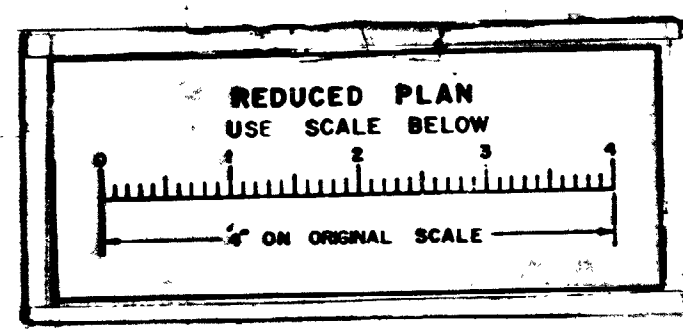


**AS CONSTRUCTED  
SUMMARY OF EXCAVATION QUANTITIES**

WSW - ENE Runway	86,578 cy	Sheet 11 A
WNW - ESE Runway	89,958 cy	Sheet 12 A
Taxiway D	3,030 cy	Sheet 13 A
Taxiway F	7,416 cy	Sheet 13 A
Taxiway C Extension	2,886 cy	Sheet 11 A
Land Area	76,008 cy	Sheet 56
Adobe Removal	21,472 cy	Sheet 22
Ditches	8,855 cy	Sheet 14
<b>Total Excavation</b>	<b>296,203 cy</b>	

**PROFILE LEGEND**

- Final Grade, Center Line of Pavement
- - - Original Ground, Center Line of Runway
- - - Original Ground, 250' Right of Center Line
- - - Original Ground, 250' Left of Center Line



MICROFILMED  
JAN 24 1963

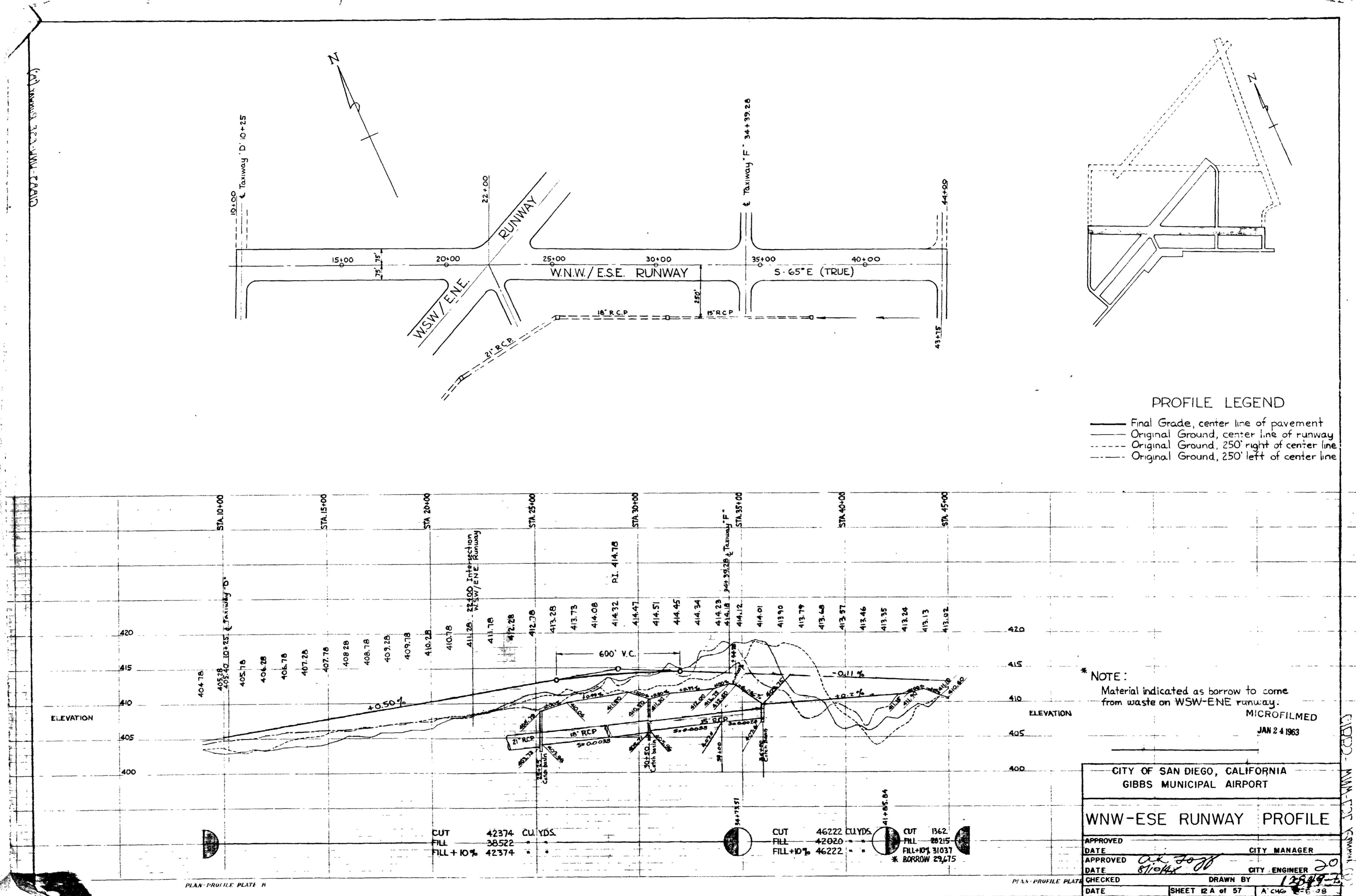
CITY OF SAN DIEGO, CALIFORNIA  
GIBBS MUNICIPAL AIRPORT

**WSW-ENE RUNWAY PROFILE**

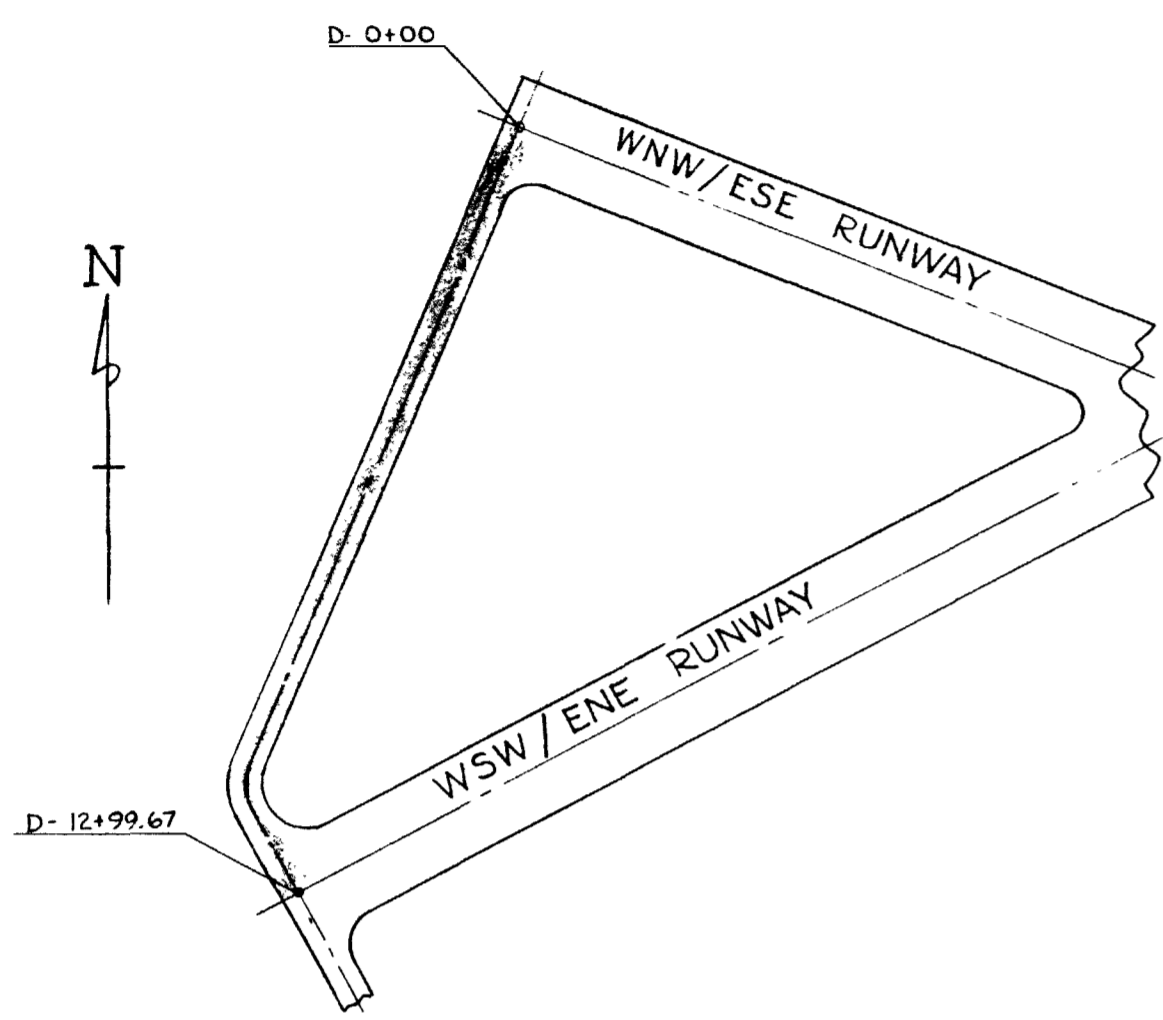
APPROVED	CITY MANAGER
DATE	
APPROVED	CITY ENGINEER
DATE	
CHECKED	DRAWN BY
DATE	

SHEET 11 A OF 57 'A' CHG 8-6-46

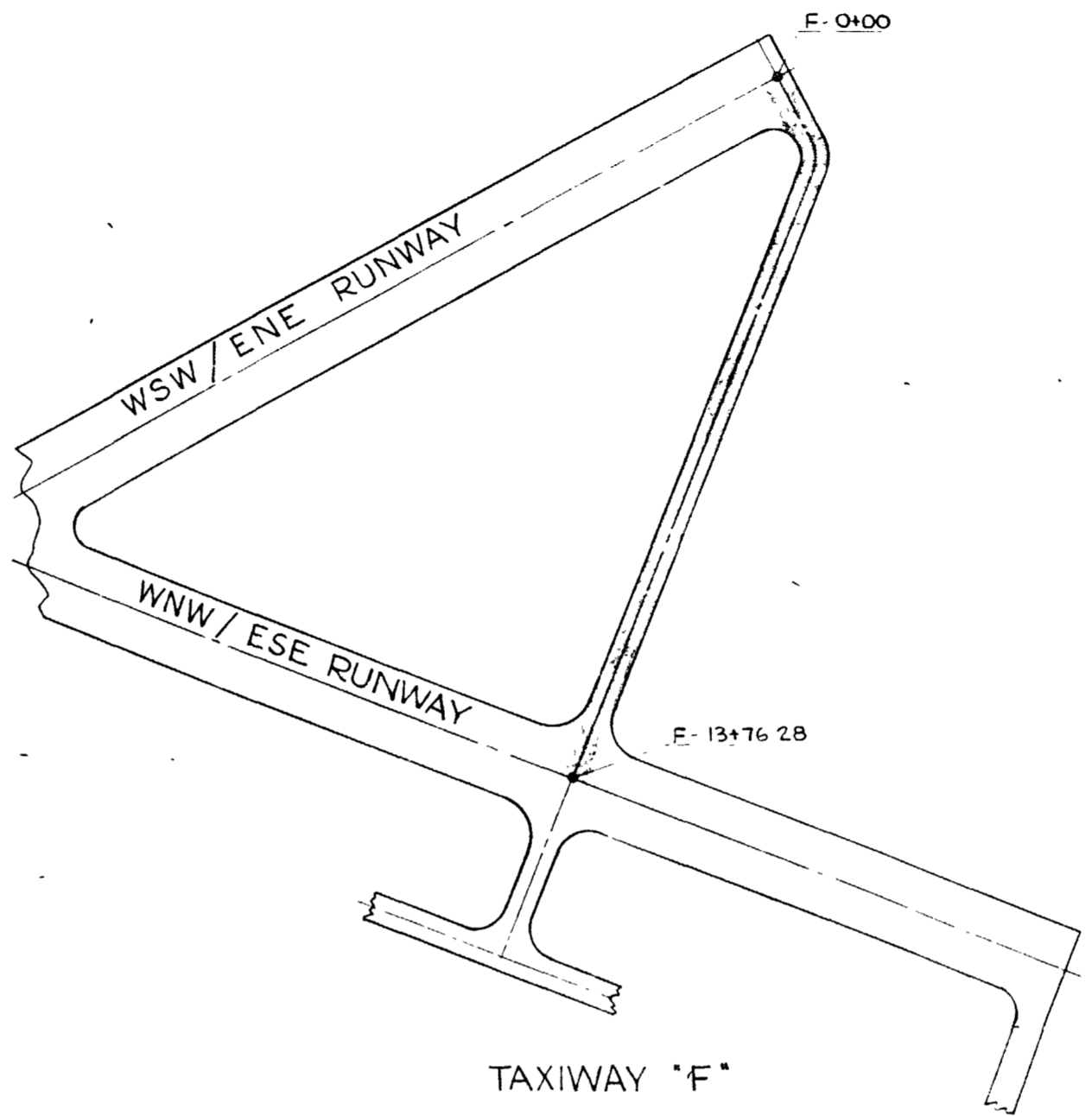
**NOTE:**  
Material indicated as waste to be used as borrow on WNW/ESE runway.



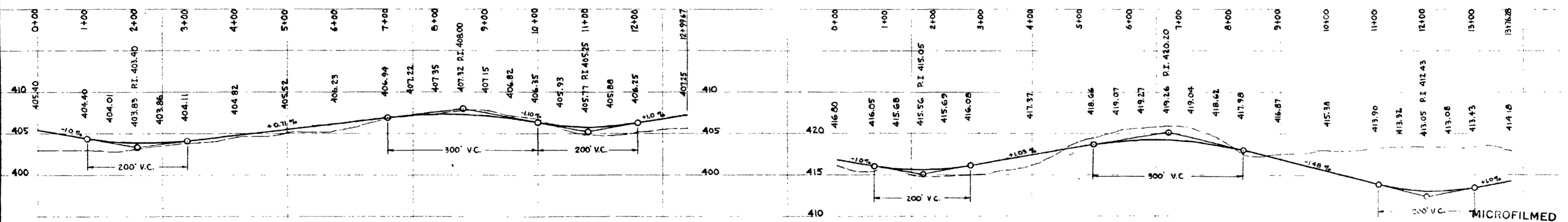
CIBB2 - TOWN MAP 1964/65



TAXIWAY "D"



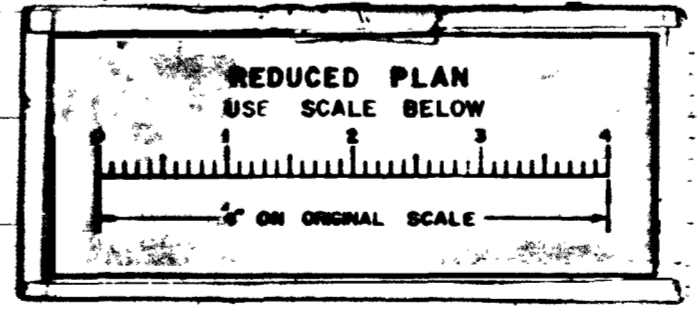
TAXIWAY "F"



CUT 3030 CU. YDS.  
 FILL 302  
 FILL +10% 332  
 WASTE 2698

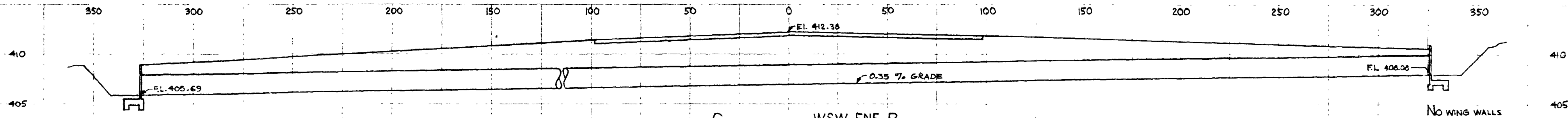
CUT 7416  
 FILL 861  
 FILL +10% 947  
 WASTE 6469

MICROFILMED  
 JAN 24 1963



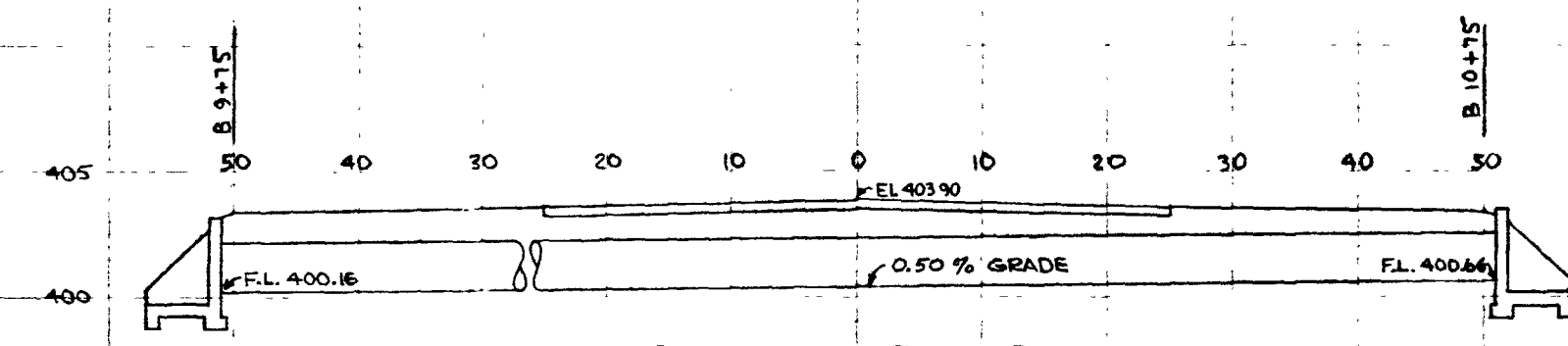
CITY OF SAN DIEGO, CALIFORNIA GIBBS MUNICIPAL AIRPORT	
TAXIWAY PROFILES	
APPROVED	CITY MANAGER
DATE	
APPROVED <i>[Signature]</i>	CITY ENGINEER
DATE <i>8/10/48</i>	
CHECKED	DRAWN BY <i>[Signature]</i>
DATE	
SHEET 13 A OF 57	
PLAN CHG. 6-6-48	
F.B. 1838	

PLAN PROFILE PLATE B



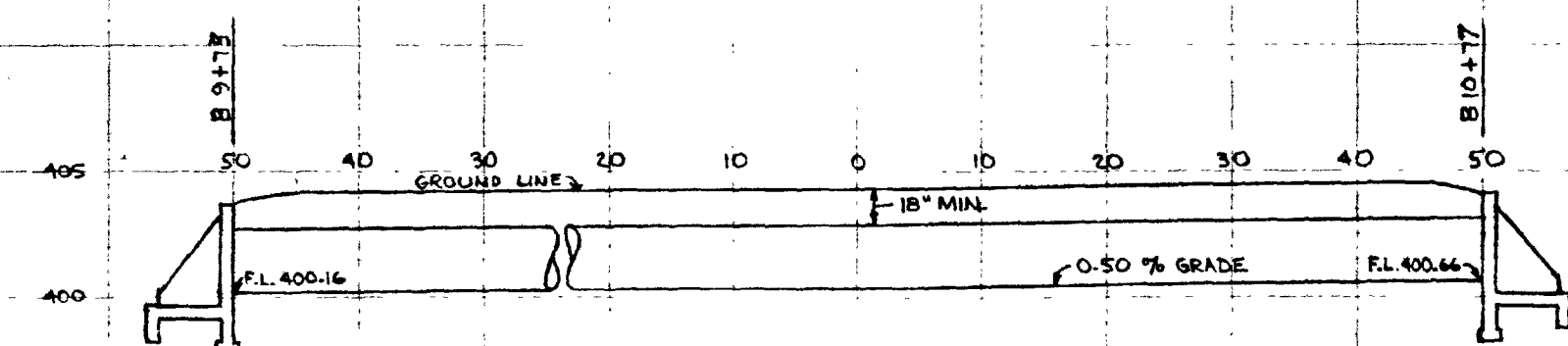
QUANTITIES  
 24" R.C. PIPE IN PLACE 680' LIN. FT.  
 CONCRETE, STRUCTURAL (HEADWALLS) 2 CU. YDS.  
 EXCAV. & BACKFILL (HEADWALLS) 18 CU. YDS.

CULVERT UNDER WSW-ENE RUNWAY  
 INTERSECTS RUNWAY CENTERLINE AT STATION A 129+93.32  
 PARALLEL TO WNW-ESE RUNWAY & 263' N.E.'LY FROM CENTER LINE



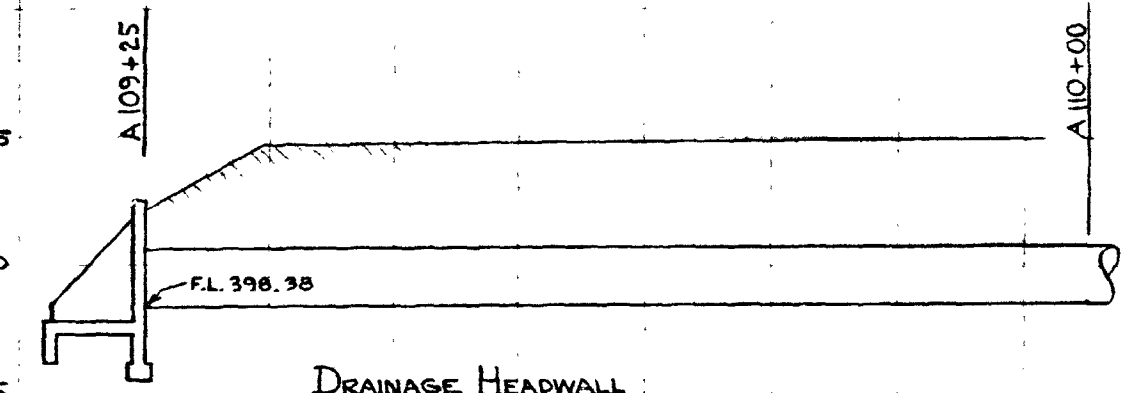
QUANTITIES  
 24" R.C. PIPE IN PLACE (DOUBLE STRENGTH) 104 LIN. FT.  
 CONCRETE, STRUCTURAL (HEADWALLS) 2.8 CU. YDS.  
 EXCAV. & BACKFILL (HEADWALLS) 30 CU. YDS.

CULVERT UNDER TAXIWAY D  
 STA D 2+63



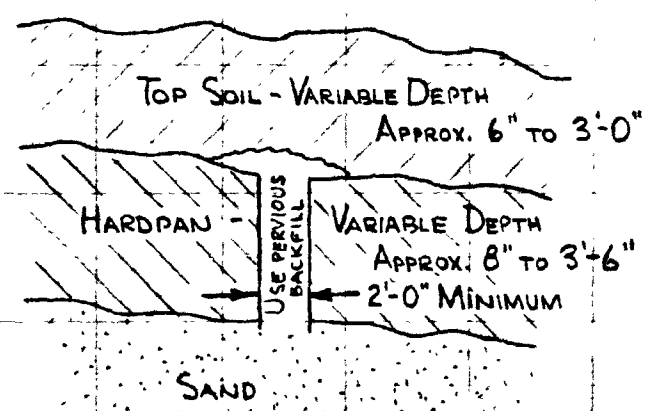
QUANTITIES  
 30" R.C. PIPE IN PLACE 104 LIN. FT.  
 CONCRETE, STRUCTURAL (HEADWALLS) 7.2 CU. YDS.  
 EXCAV. & BACKFILL (HEADWALLS) 40 CU. YDS.

CULVERT UNDER FUTURE TAXIWAY  
 263' N.E.'LY FROM WNW-ESE RUNWAY @ AT STA. B 10+25



DRAINAGE HEADWALL  
 STA A 109+25  
 250' S.E.'LY FROM WSW-ENE RUNWAY @

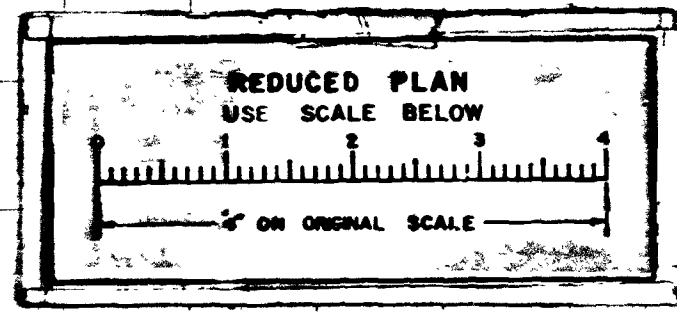
QUANTITIES  
 CONCRETE, STRUCTURAL (HEADWALL) 3.5 CU. YDS.  
 EXCAV. & BACKFILL (HEADWALL) 20 CU. YDS.



DRAIN WELLS  
 30 HOLES AS DIRECTED BY THE ENGINEER  
 40 CU. YDS. EXCAV. & PERVIOUS BACKFILL

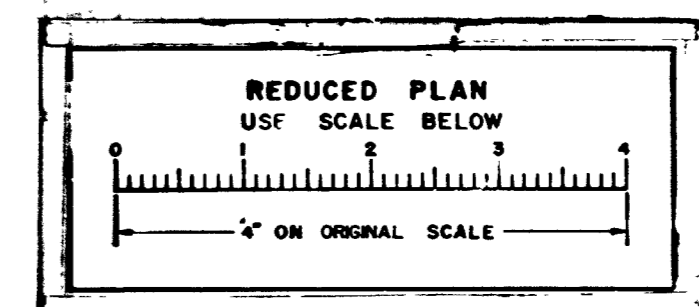
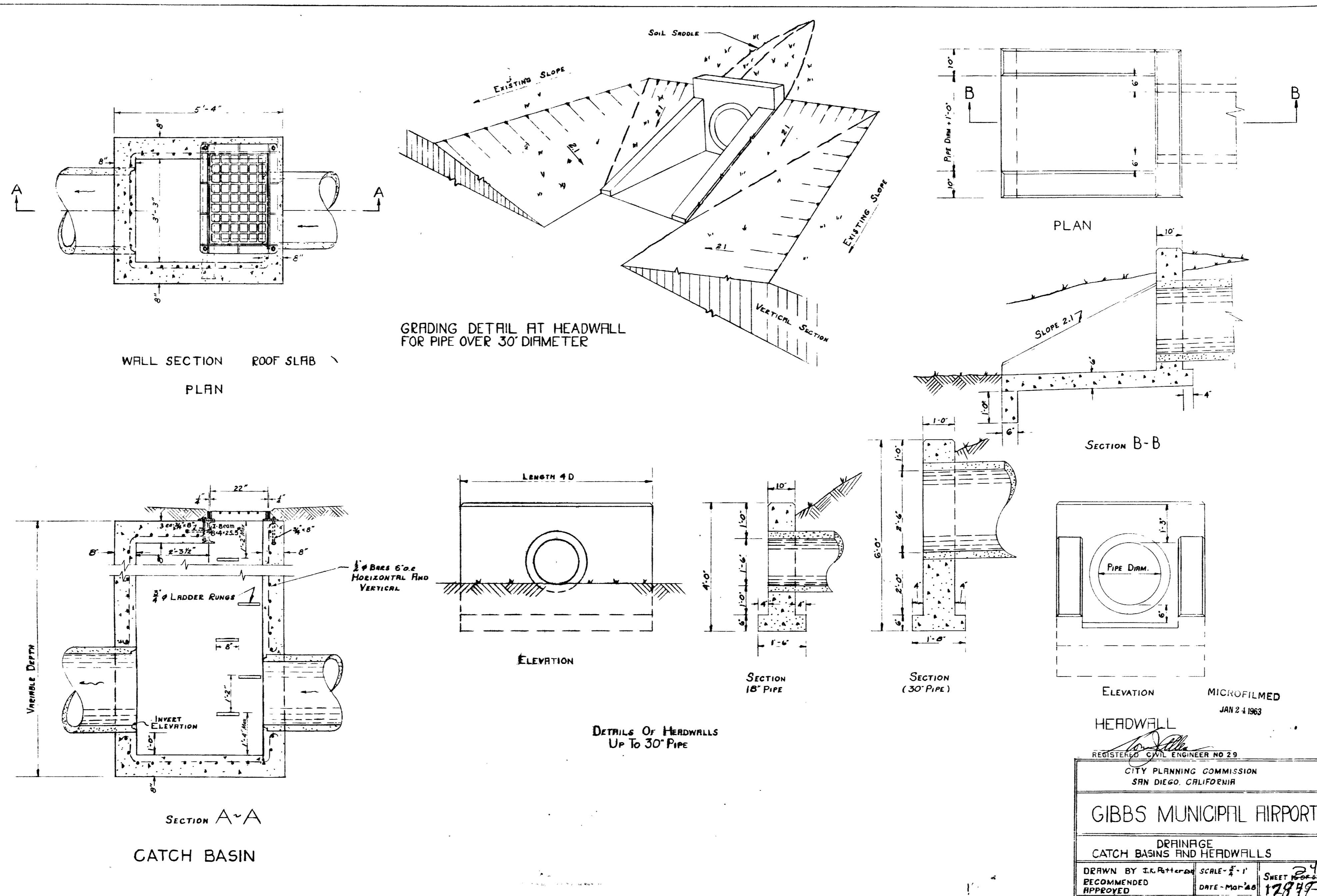
MICROFILMED  
 JAN 24 1963

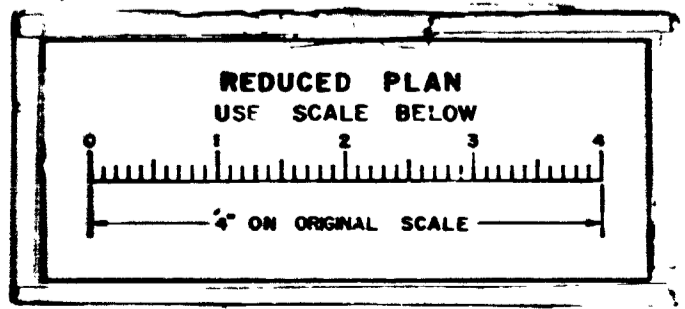
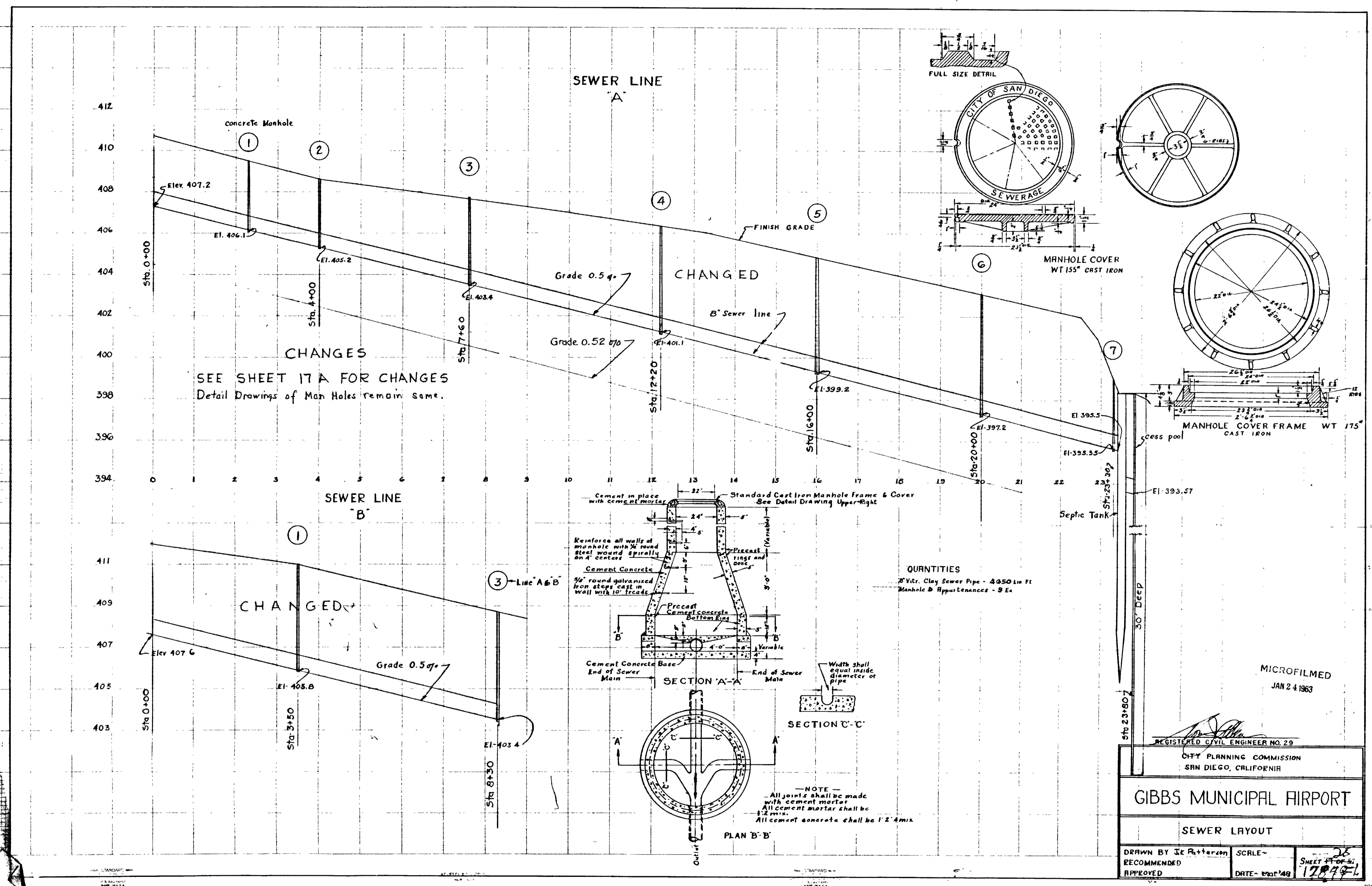
CITY OF SAN DIEGO, CALIFORNIA	
GIBBS MUNICIPAL AIRPORT	
<b>STORM DRAINAGE LINES</b>	
APPROVED	DATE
APPROVED	DATE
CHECKED	DRAWN BY
DATE AUGUST 24, 1948	SHEET 15A "A" CHG. 8-24-48

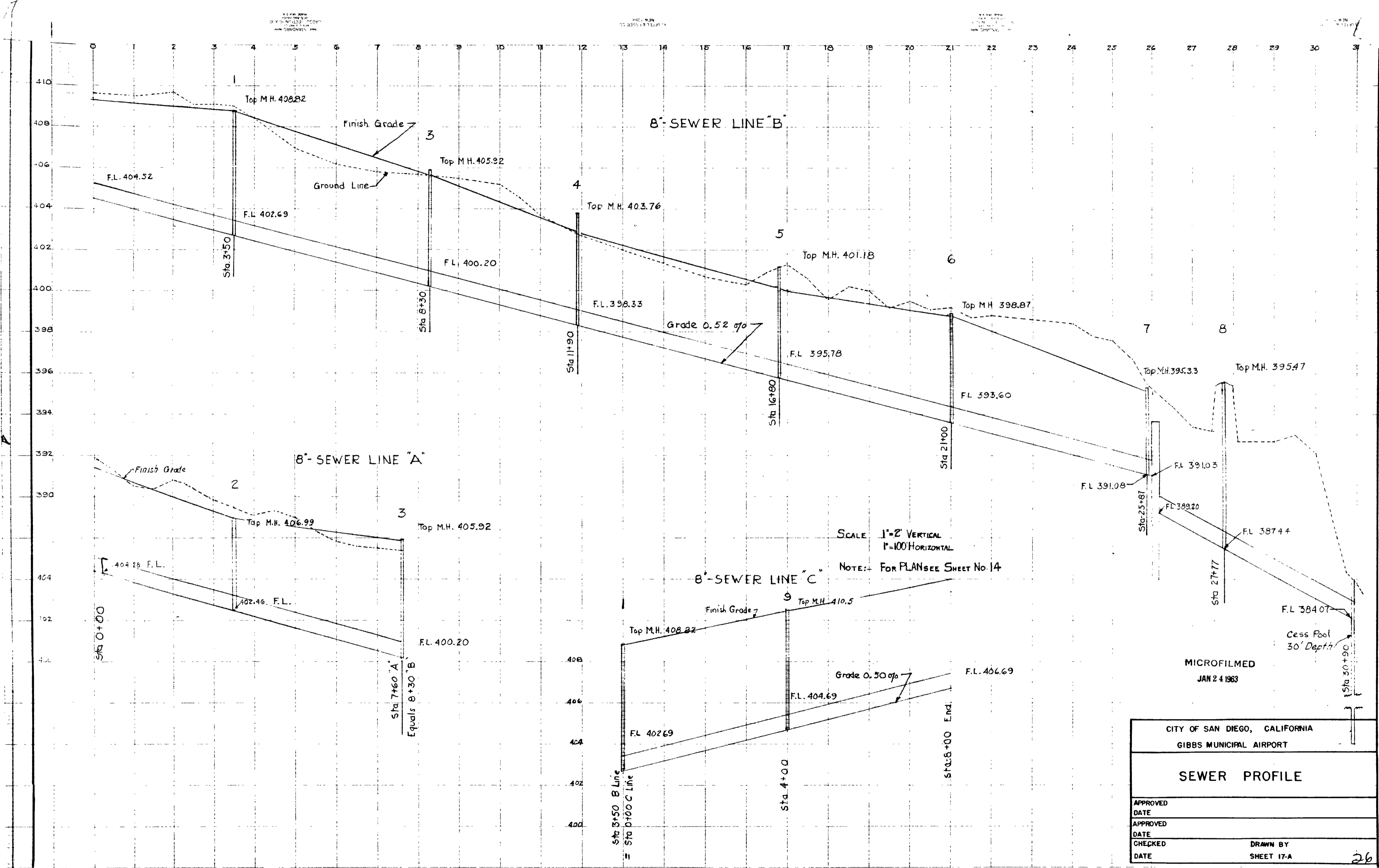


23 12849-1







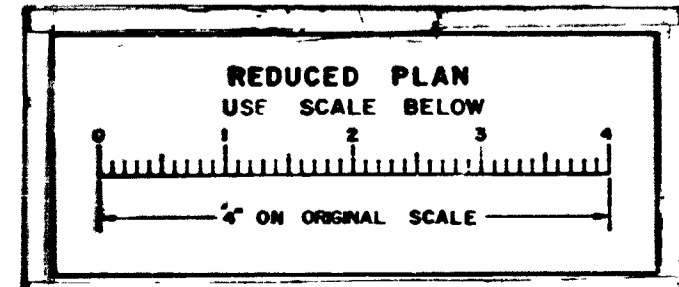


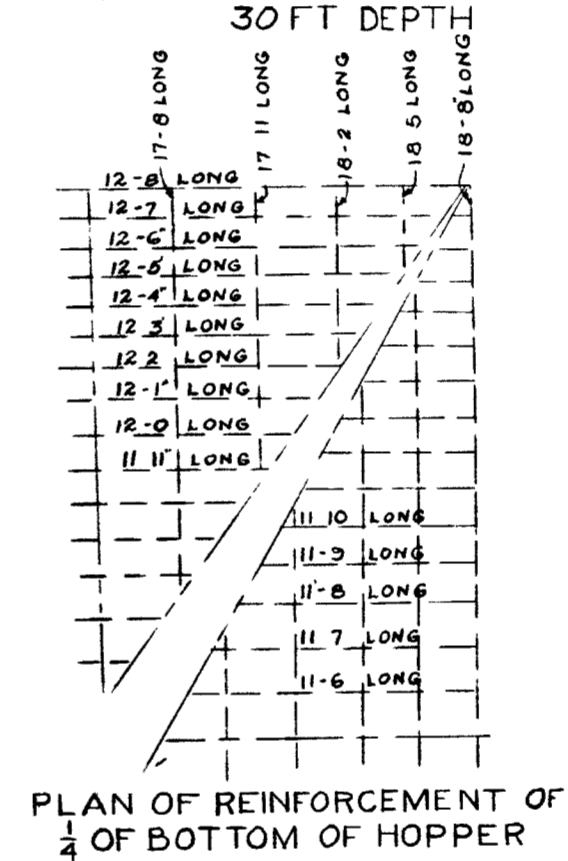
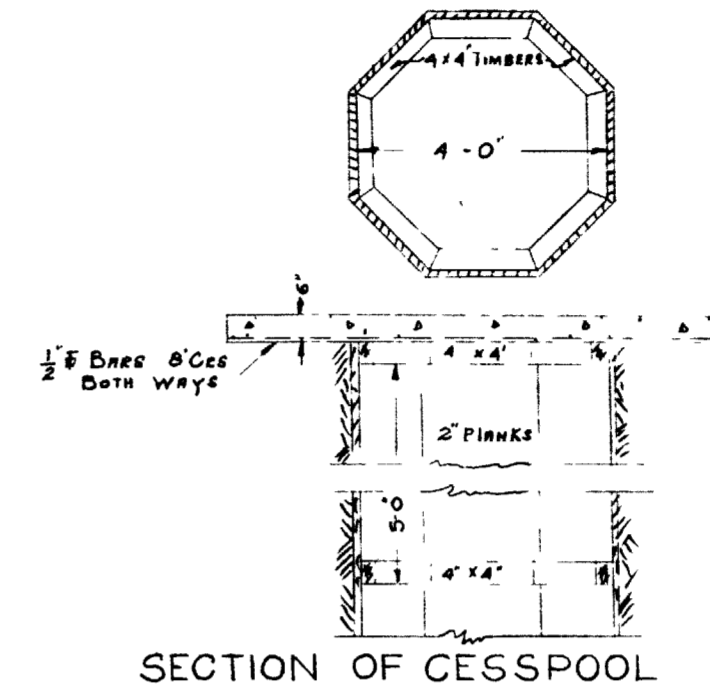
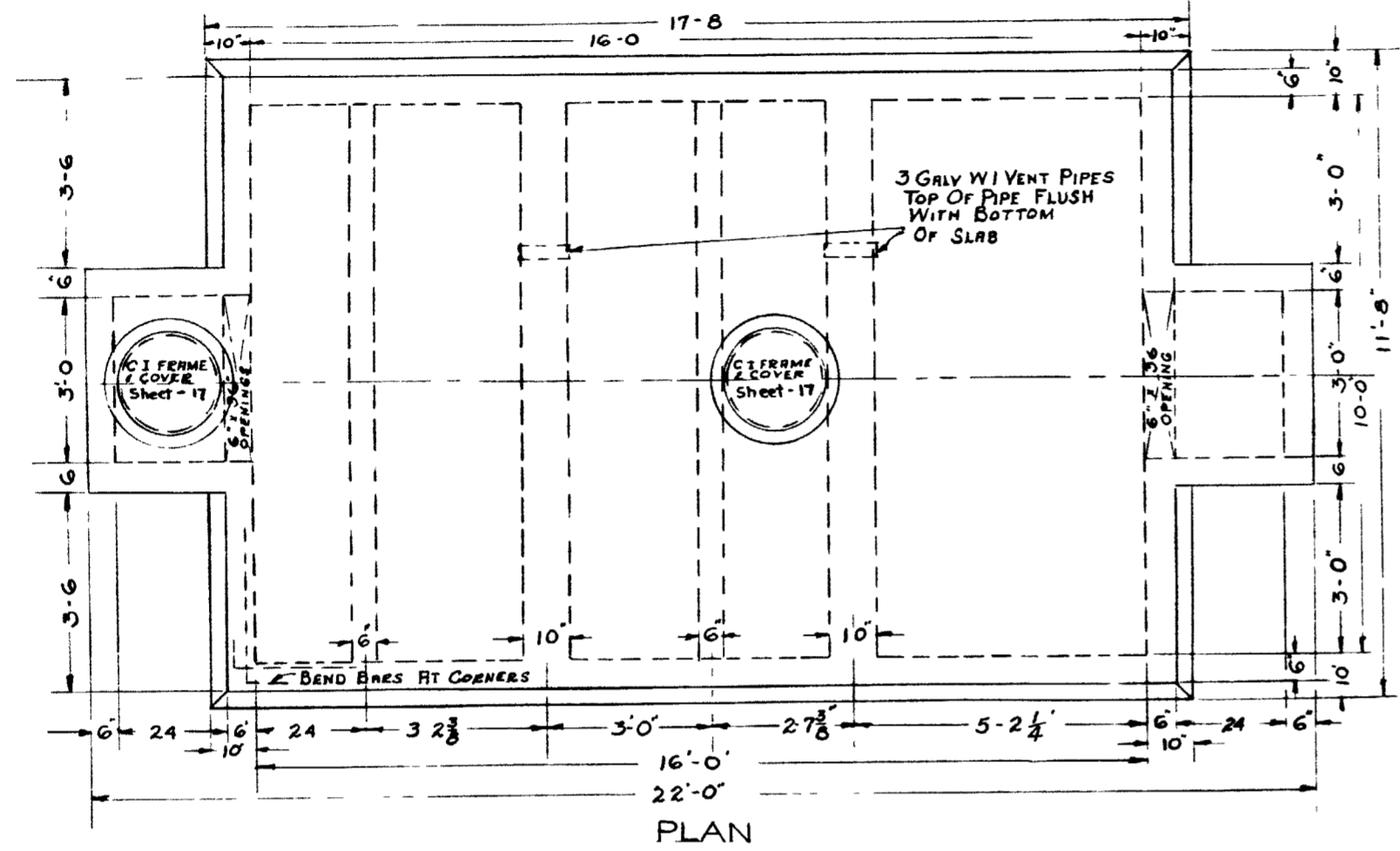
MICROFILMED  
JAN 24 1963

CITY OF SAN DIEGO, CALIFORNIA	
GIBBS MUNICIPAL AIRPORT	
<b>SEWER PROFILE</b>	
APPROVED	DATE
APPROVED	DATE
CHECKED	DRAWN BY
DATE	SHEET 17-A

26

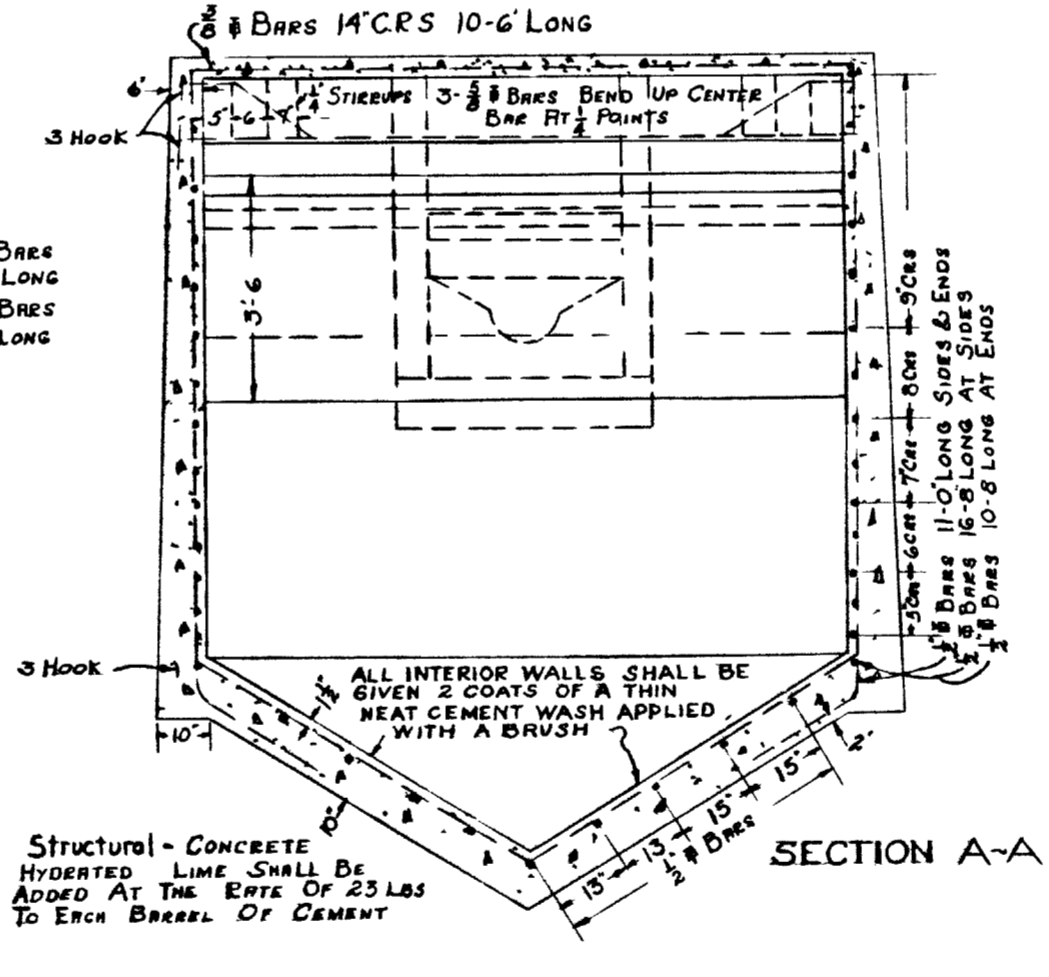
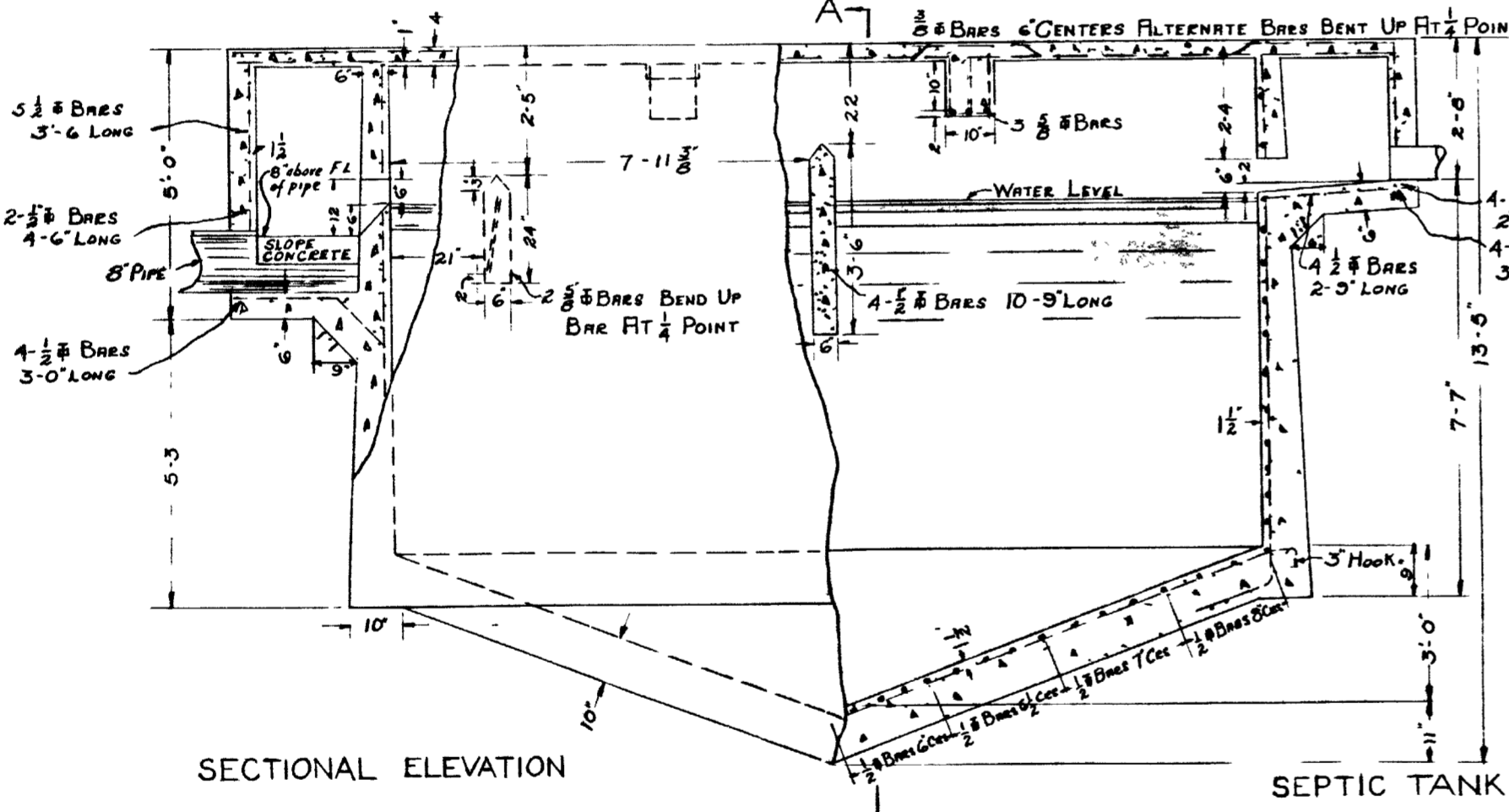
17849-1





QUANTITIES

CONCRETE STRUCTURAL	33.4 CU YDS
REINFORCING STEEL	2450 LBS
EXCAR & BACKFILL	150 CU YDS



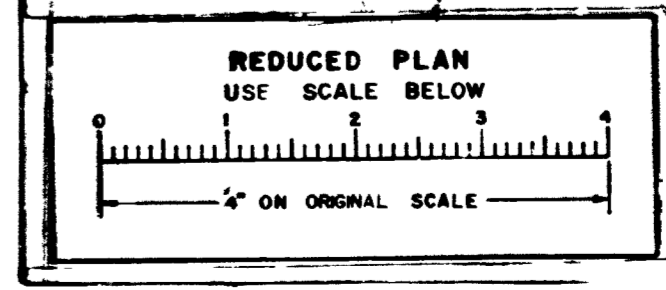
REGISTERED CIVIL ENGINEER NO 29

CITY PLANNING COMMISSION  
SAN DIEGO CALIFORNIA

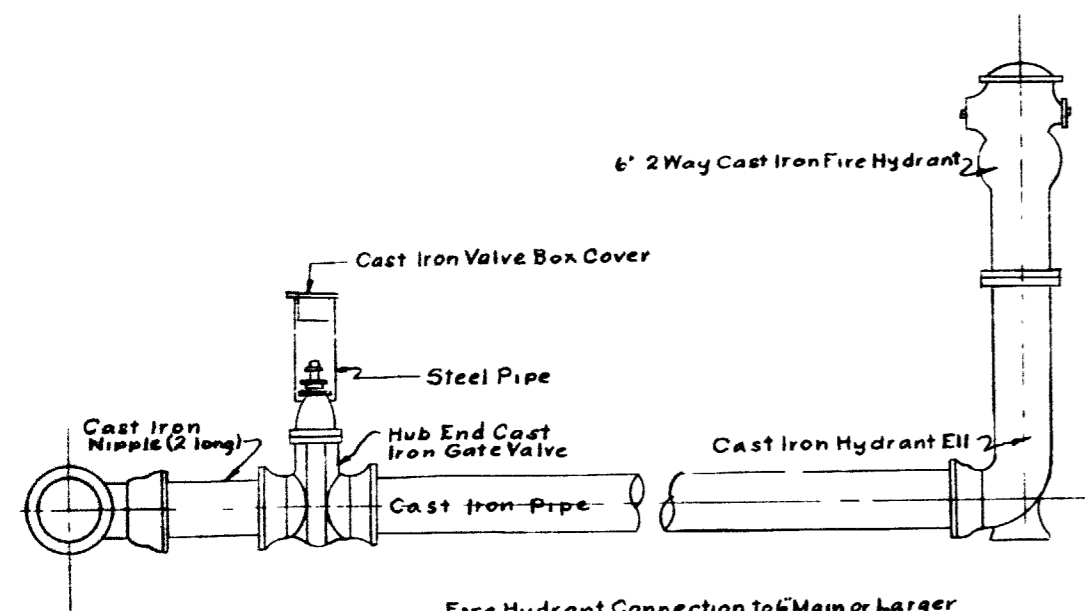
**MONTGOMERY FIELD**  
**GIBBS MUNICIPAL AIRPORT**

SEPTIC TANK

DRAWN BY Jk Patterson    SCALE - 1/4" = 1'-0"  
RECOMMENDED            @ 1" = 10' 0"    SHEET 16 OF 57  
APPROVED                    DATE - Mar '49    17849



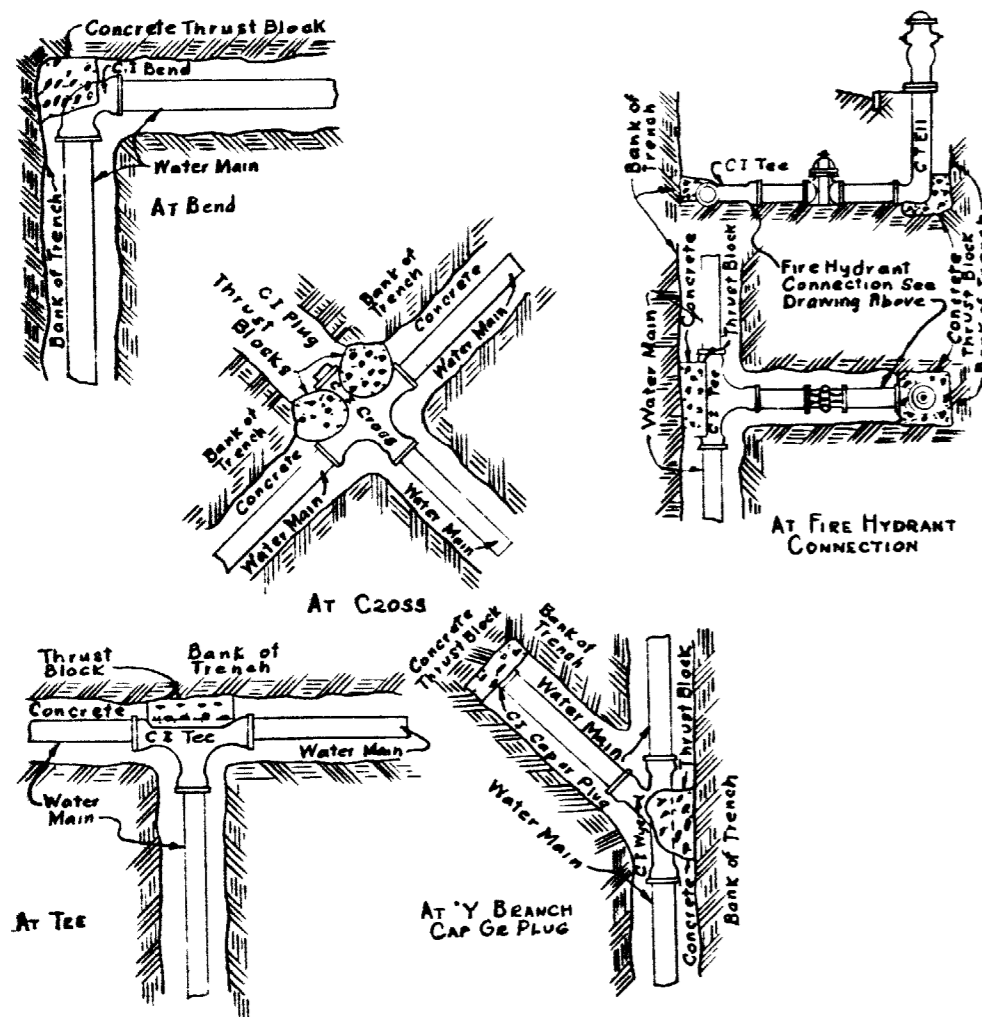




**Fire Hydrant Connection to 6" Main or Larger**  
 1-6" Cast Iron Tee  
 1-6" Cast Iron Nipple  
 1-6" Cast Iron Gate Valve  
 1-6" Steel Valve Box and Cast Iron Cover  
 1-6" Cast Iron Pipe  
 1-6" Cast Iron Hydrant Ell  
 1-6" 2 Way Fire Hydrant

**NOTE**  
 2 Way Hydrants To be used for 1, 2, 3 & 7  
 3 Way Hydrants " " " " " 4 & 5

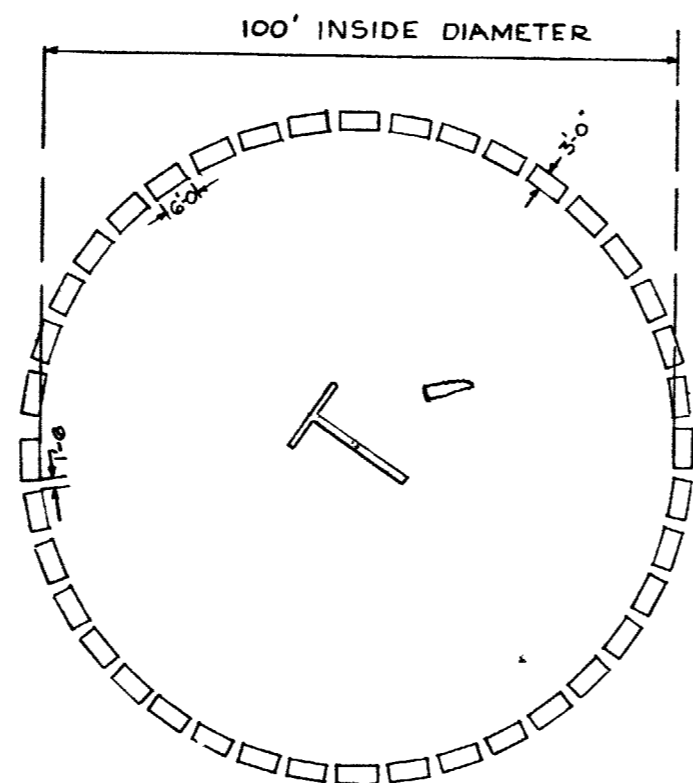
DETAIL OF FIRE HYDRANT CONNECTIONS



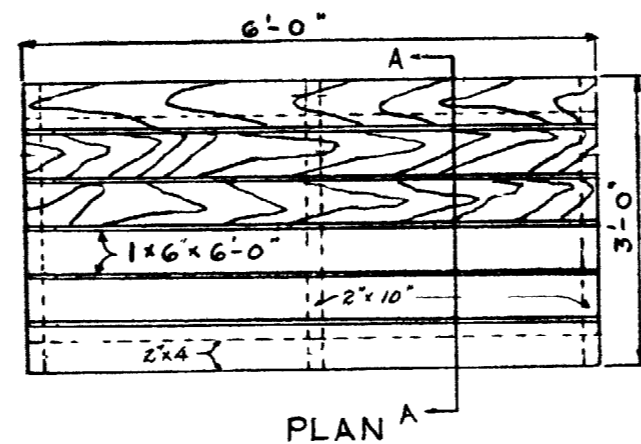
**QUANTITIES**  
 8" Cast Iron Water Main — 5100 Lin Ft  
 Fire Hydrants 6" 2 Way — 5 Ea  
 " " " 6" 3 Way — 2 Ea  
 Gate Valves 8" CI — 4 Ea

**NOTE**  
 Cement concrete thrust blocks shall be constructed at the locations shown here-  
 on where the respective fittings are shown to be installed in water mains and  
 fire hydrant connections.  
 All concrete for thrust blocks shall be 1 3 5 mix Portland Cement concrete  
 C.I. denotes cast iron

DRAWING-SHOWING-POSITIONS  
 OF  
 CONCRETE THRUST BLOCKS  
 FOR  
 CAST IRON FITTINGS  
 IN WATER MAINS & FIRE HYDRANT CONNECTIONS



SEGMENTED CIRCLE MARKER  
 SCALE 1" = 20'-0"

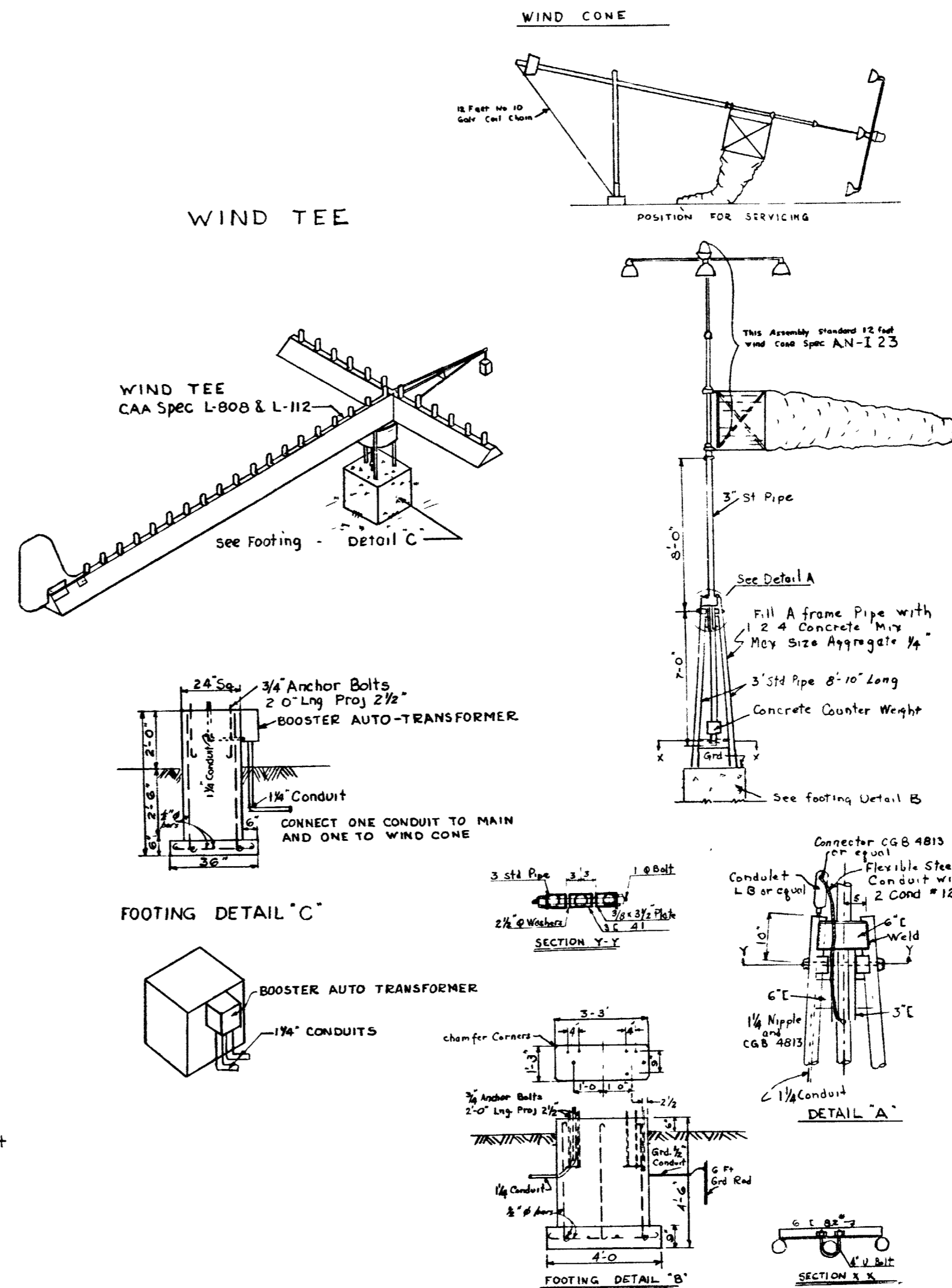


PLAN A

All Lumber to have 3 Coats White Paint

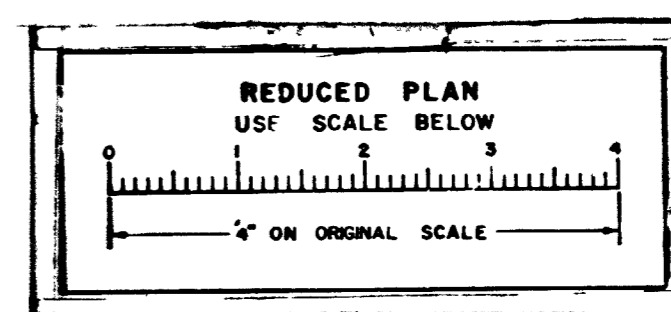


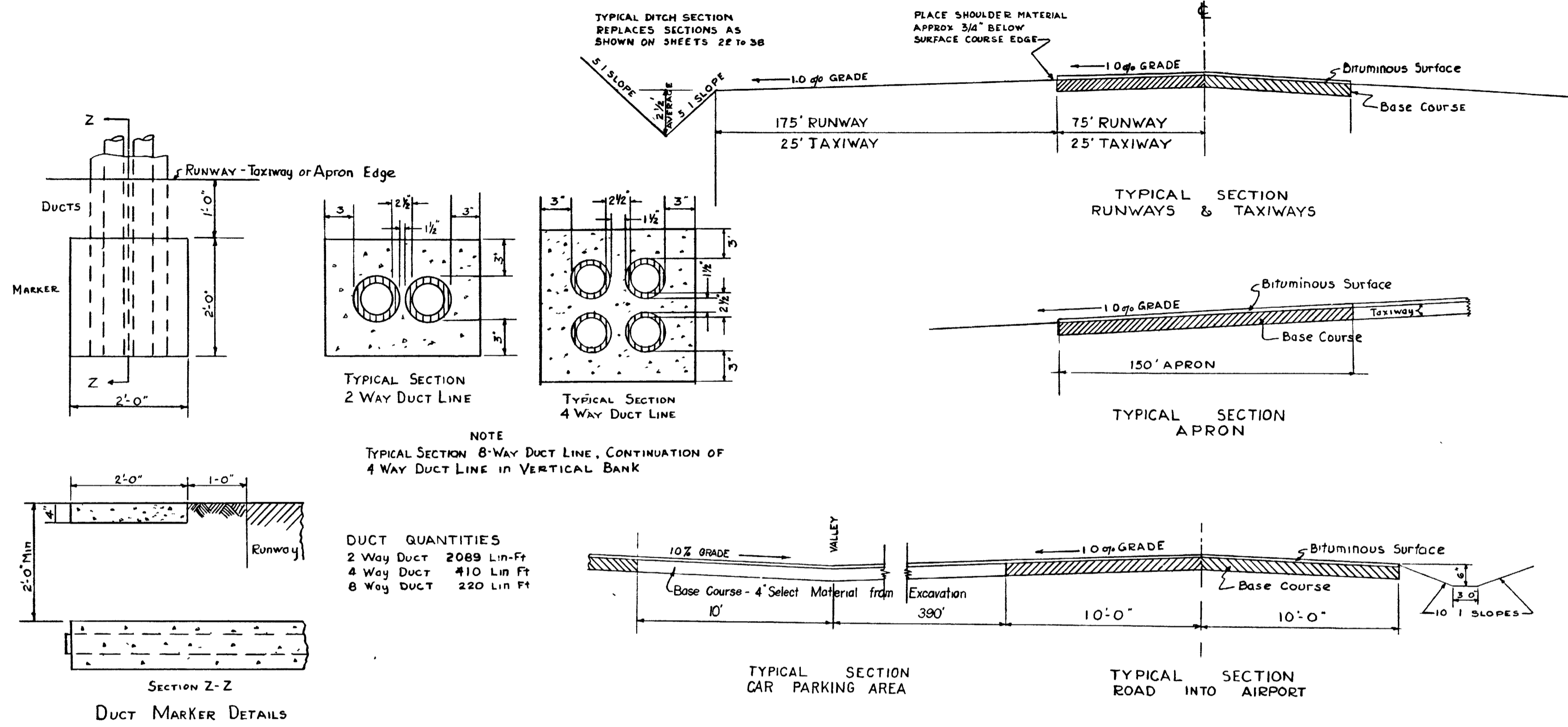
SECTION AA



MICROFILMED  
 JAN 24 1963

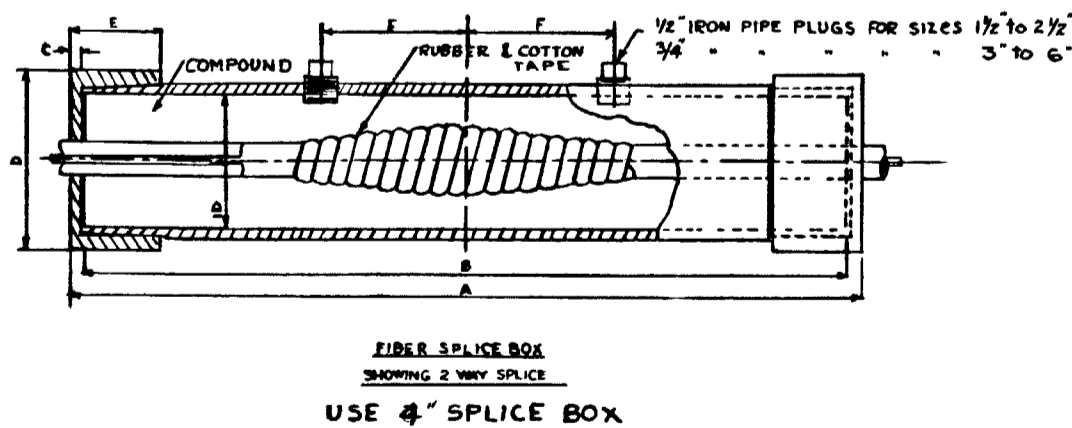
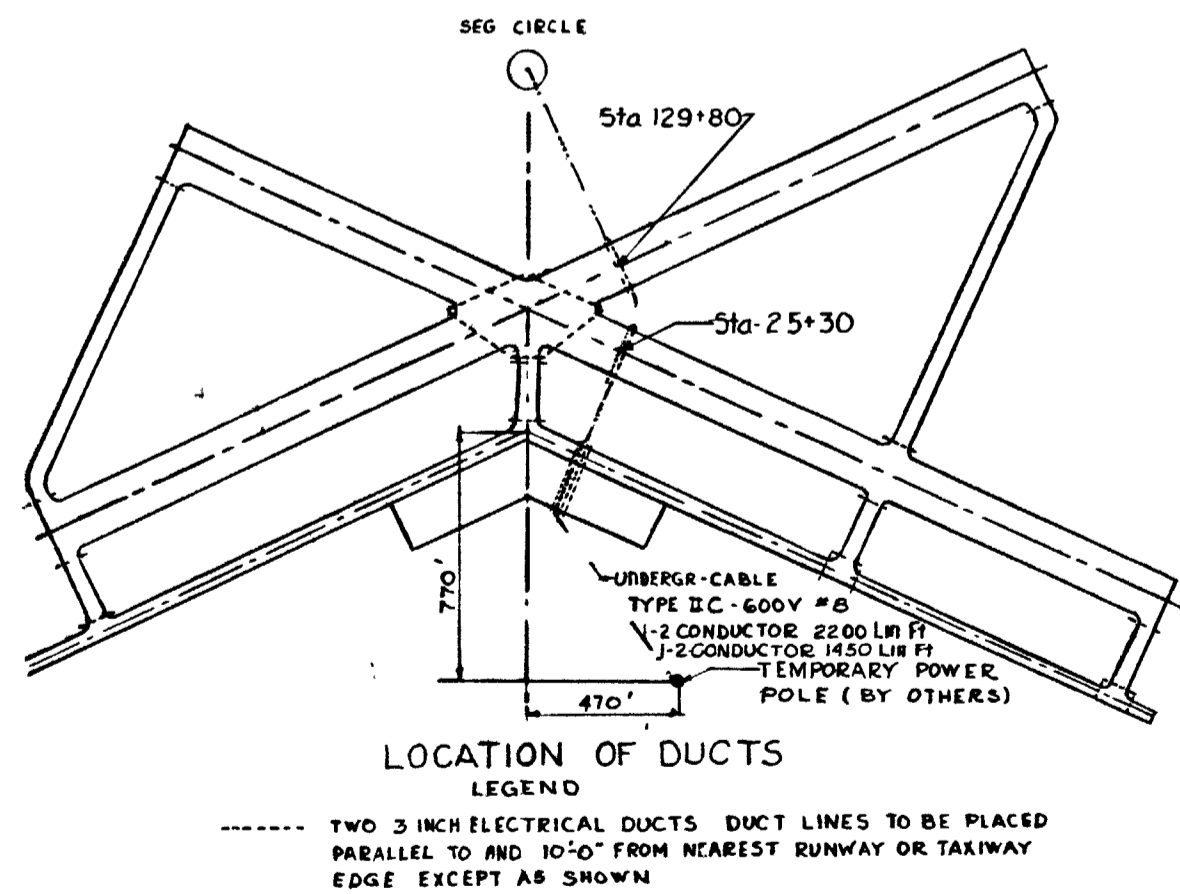
REGISTERED CIVIL ENGINEER NO. 29  
 CITY PLANNING COMMISSION  
 SAN DIEGO, CALIFORNIA  
**GIBBS MUNICIPAL AIRPORT**  
 FIRE HYDRANT, THRUST BLOCKS, ETC  
 DRAWN BY J.K. Patten 307 SCALE - SHEET 19 OF 27  
 RECOMMENDED DATE - Mar. 48 1963  
 APPROVED





**ALTERNATE TYPES OF PAVING**

- ALTERNATE "A" 6" Graded Aggregate Base Course with 1 1/2" AC Surface.
- "B" 6" Soil Cement Stabilized Base Course with 1 1/2" AC Surface
- "C" 4" Emulsified Asphalt Stabilized Base Course with 3/4" Bituminous Surface As Built
- "D" 4" Cut Back Asphalt Stabilized Base Course with 3/4" Bituminous Surface



**TABLE OF FIBER SPLICE BOX SIZES AVAILABLE IN INCHES**

	A	B	C	D	E	F
1/2"	15	18	14	16	12	10
2"	15	18	14	16	12	10
2 1/2"	16	19	15	17	13	11
3"	17	20	16	18	14	12
3 1/2"	18	21	17	19	15	13
4"	19	22	18	20	16	14
4 1/2"	19	22	18	20	16	14
5"	20	23	19	21	17	15
6"	21	24	20	22	18	16

MICROFILMED  
JAN 24 1963

REGISTERED CIVIL ENGINEER NO 29

CITY PLANNING COMMISSION  
SAN DIEGO, CALIFORNIA

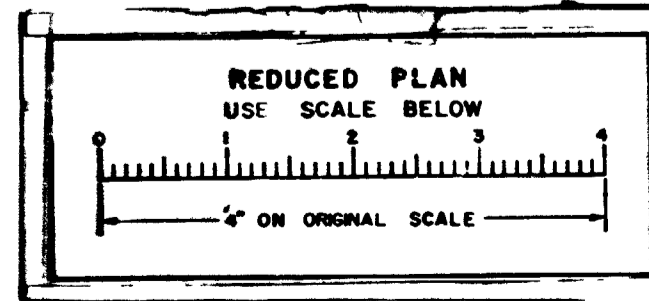
**GIBBS MUNICIPAL AIRPORT**

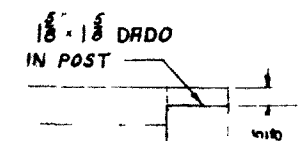
**PAVING AND DUCT PLAN**

DRAWN BY JK Patterson SCALE 29

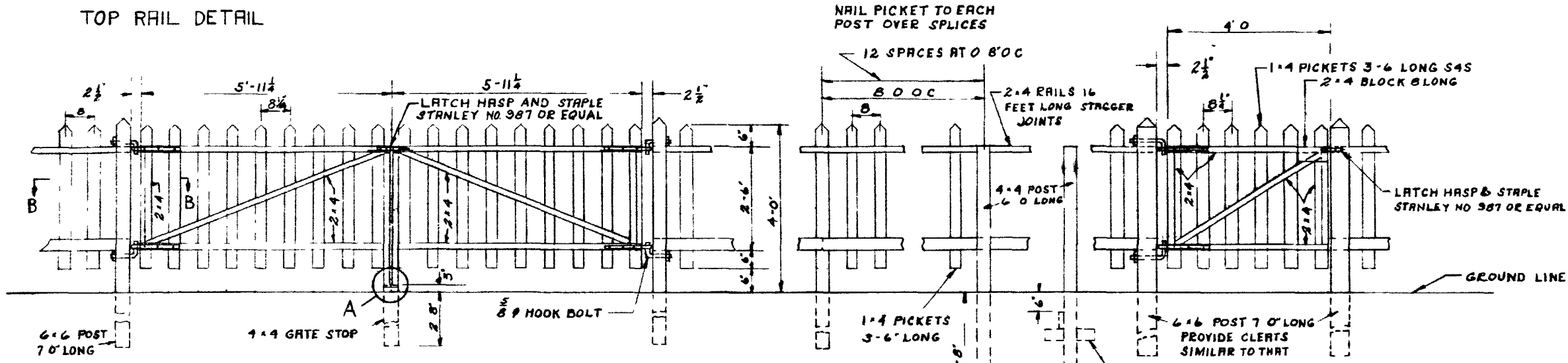
APPROVED SHEET 20 OF 37

APPROVED DATE - MAR '48 1948





TOP RAIL DETAIL

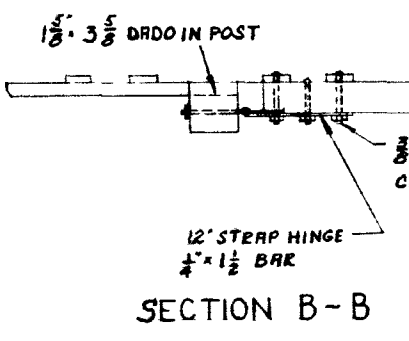


2 LEAF, 12 GATE REAR VIEW

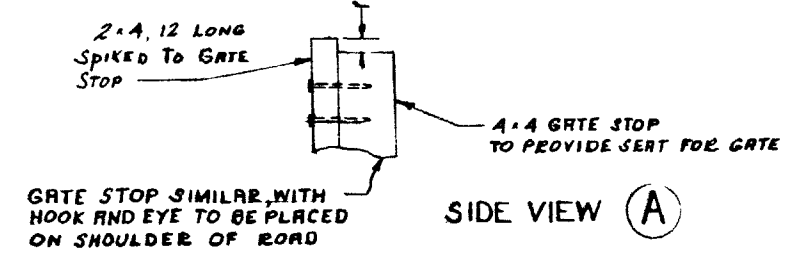
TYPICAL FENCE SECTION

4 GATE (REAR VIEW)

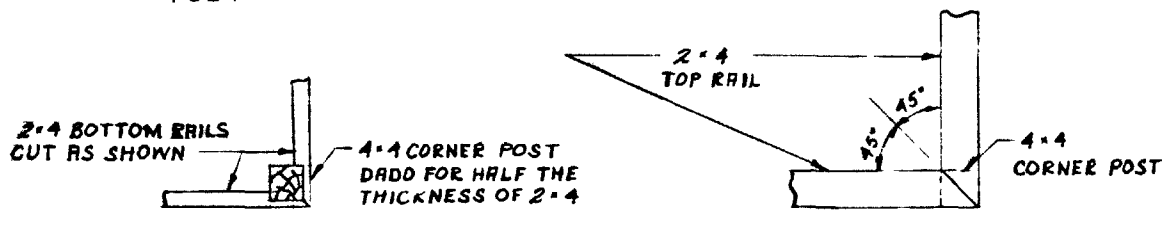
QUANTITIES - AS BUILT  
 Fencing Class A - Steel Posts 16485 Lin Ft  
 " Wood Picket 800 " "  
 Driveway Gates 2 ea



SECTION B-B

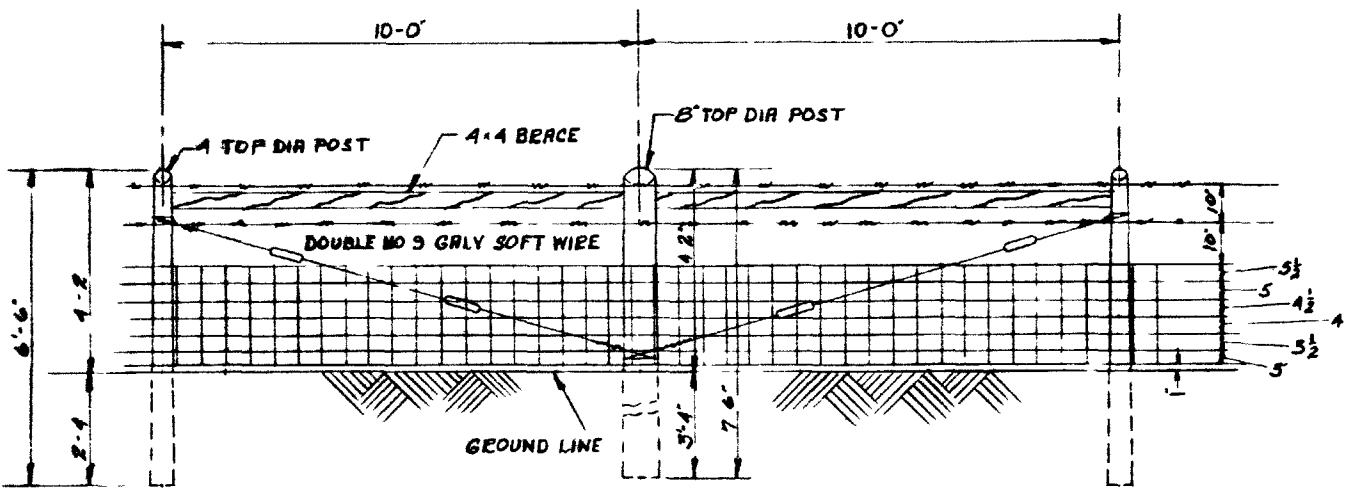


SIDE VIEW (A)

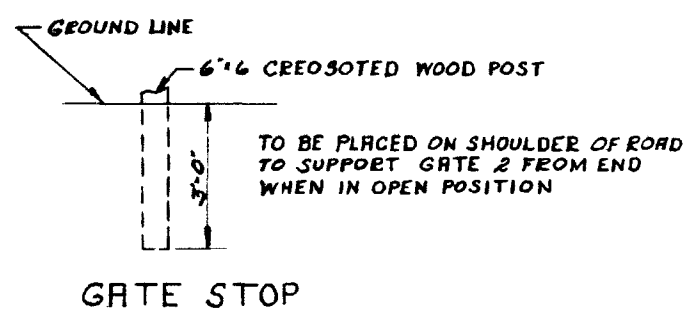


CORNER POST DETAILS

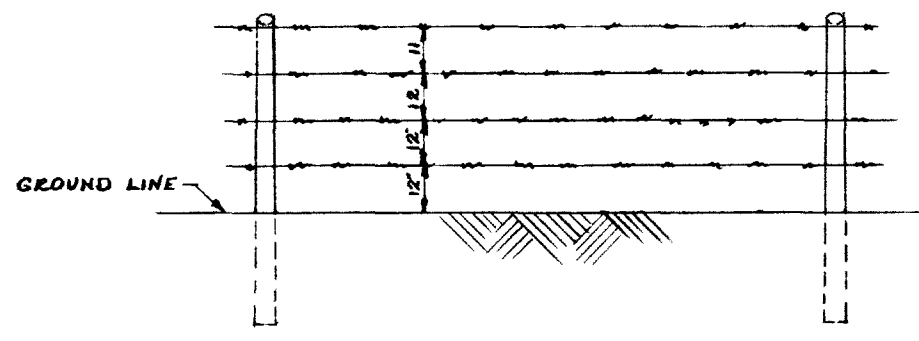
WOOD PICKET FENCE AND GATES CLASS F



ANCHOR POST DETAIL  
 ANCHOR POST TO BE USED WHERE DISTANCE BETWEEN CORNER POST EXCEEDS 50'



GATE STOP

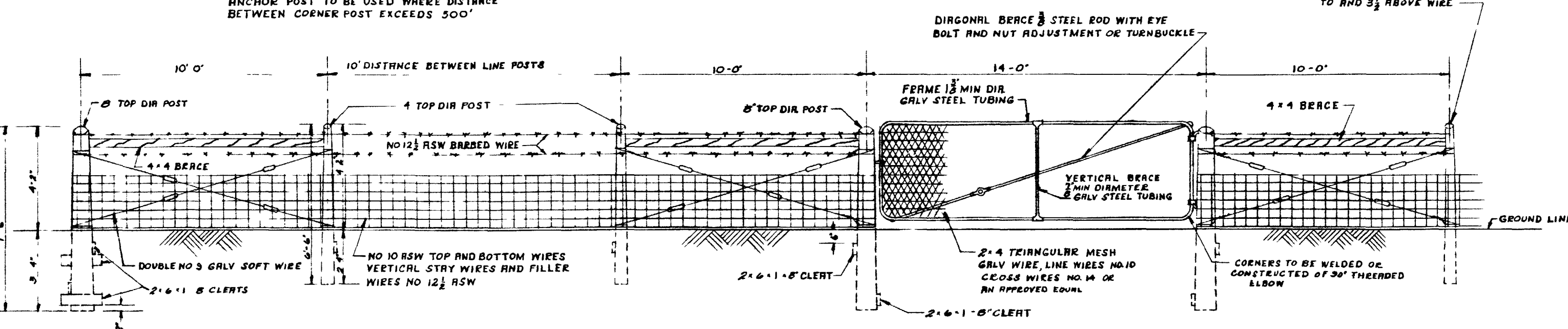


CLASS B FENCE, WOOD POSTS

NOTE: ALL DETAILS FOR CLASS B FENCE THE SAME AS FOR CLASS A EXCEPT FOR THE USE OF BARBED WIRE IN LIEU OF WOVEN WIRE

FENCE NOTES

- 1 ALL POSTS TO BE OF APPROVED WOOD SPECIES
- 2 STAPLES NO. 9 GALVANIZED STEEL WIRE, 1 LONG FOR HARDWOOD, 1 1/2 FOR SOFTWOOD
- 3 CLEAR FENCE LINE FOR UNIFORM GRADE
- 4 ALL WIRE AND FITTINGS NOT DIP GALVANIZED



CLASS A FENCE, WOOD POST  
 Steel Posts substituted for wooden Posts

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 JAN 24 1963

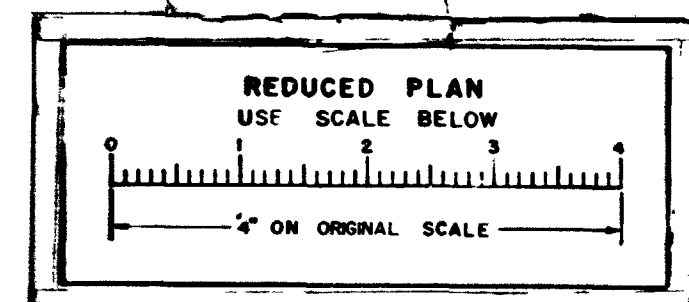
REGISTERED CIVIL ENGINEER NO 29

CITY PLANNING COMMISSION  
 SAN DIEGO CALIFORNIA

GIBBS MUNICIPAL AIRPORT

FENCING DETAILS

DRAWN BY J.K. Batterson SCALE-  
 RECOMMENDED DATE - Mar 48 SHEET 21 of 57  
 APPROVED DATE - Mar 48 11849

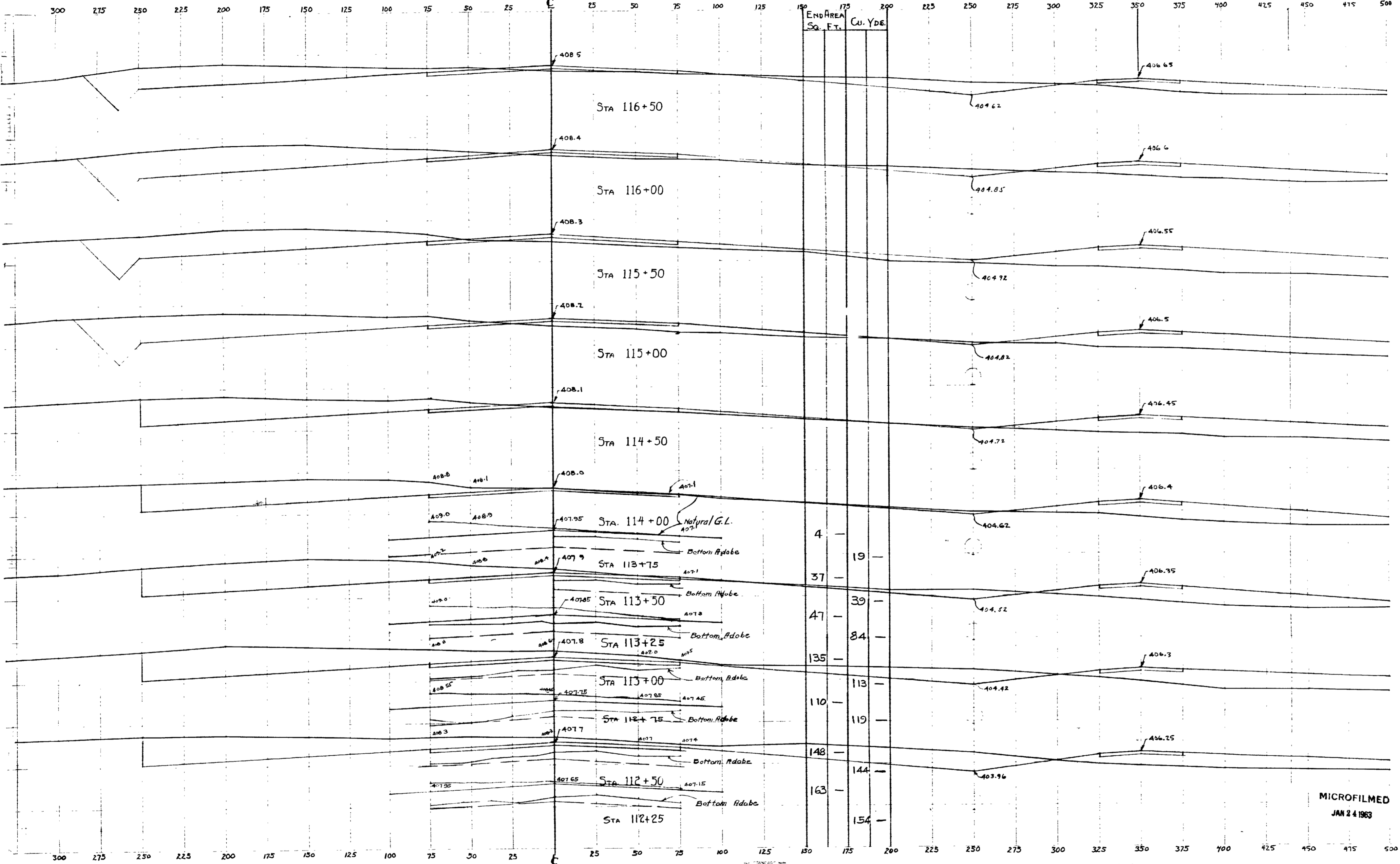






WSW-ENE RUNWAY

TAXIWAY

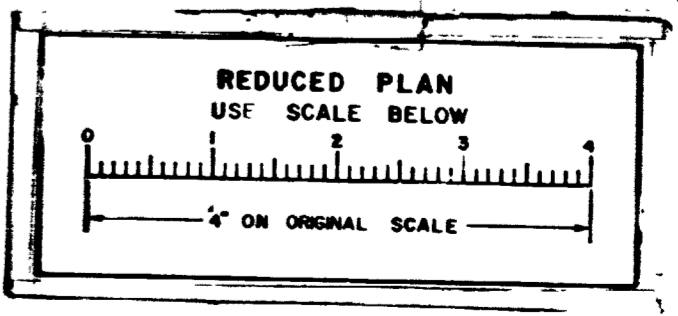


END AREA	Cu. Yds	
	Cut	Fill
600	188	
		1181 458
675	307	
		1106 923
520	690	
		1046 1081
610	478	
		986 831
455	420	
		986 699
610	335	
		1284 599
777	312	
		156 581
910	315	
		1628 381
517	178	
1205	361	
950	267	

Cut = 20200 cu yds  
 Fill = 18364 " "  
 Fill + 10% = 20200 " "

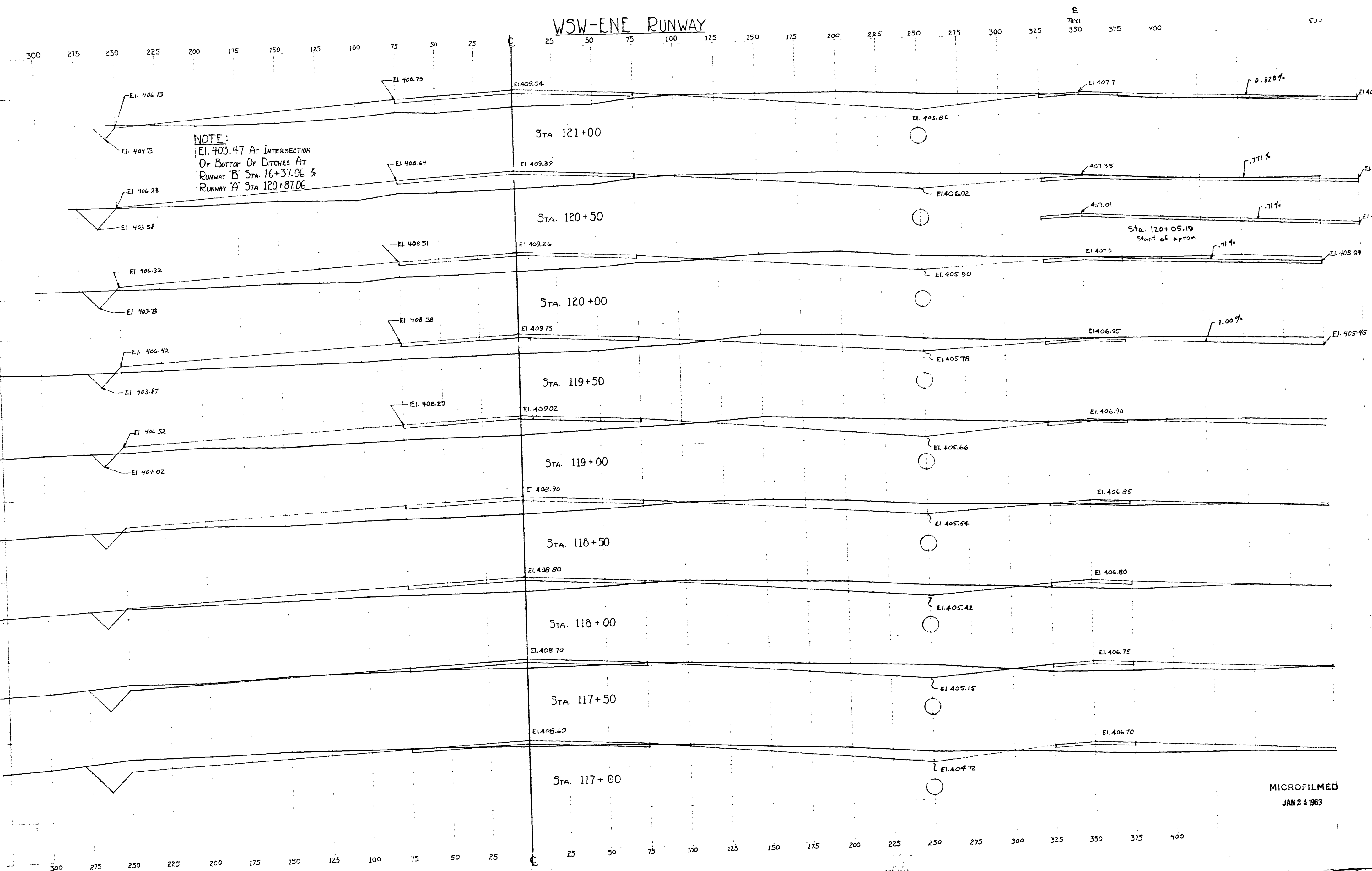
MICROFILMED  
 JAN 24 1963

CHANGE 'A' AUG. 11, 1949  
 SHEET 23  
 32-12849



WSW-ENE RUNWAY

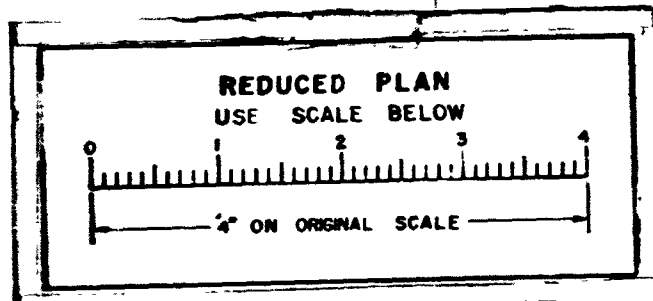
NOTE:  
 El. 403.47 AT INTERSECTION  
 OF BOTTOM OF DITCHES AT  
 RUNWAY 'B' STA. 16+37.06 &  
 RUNWAY 'A' STA. 120+87.06



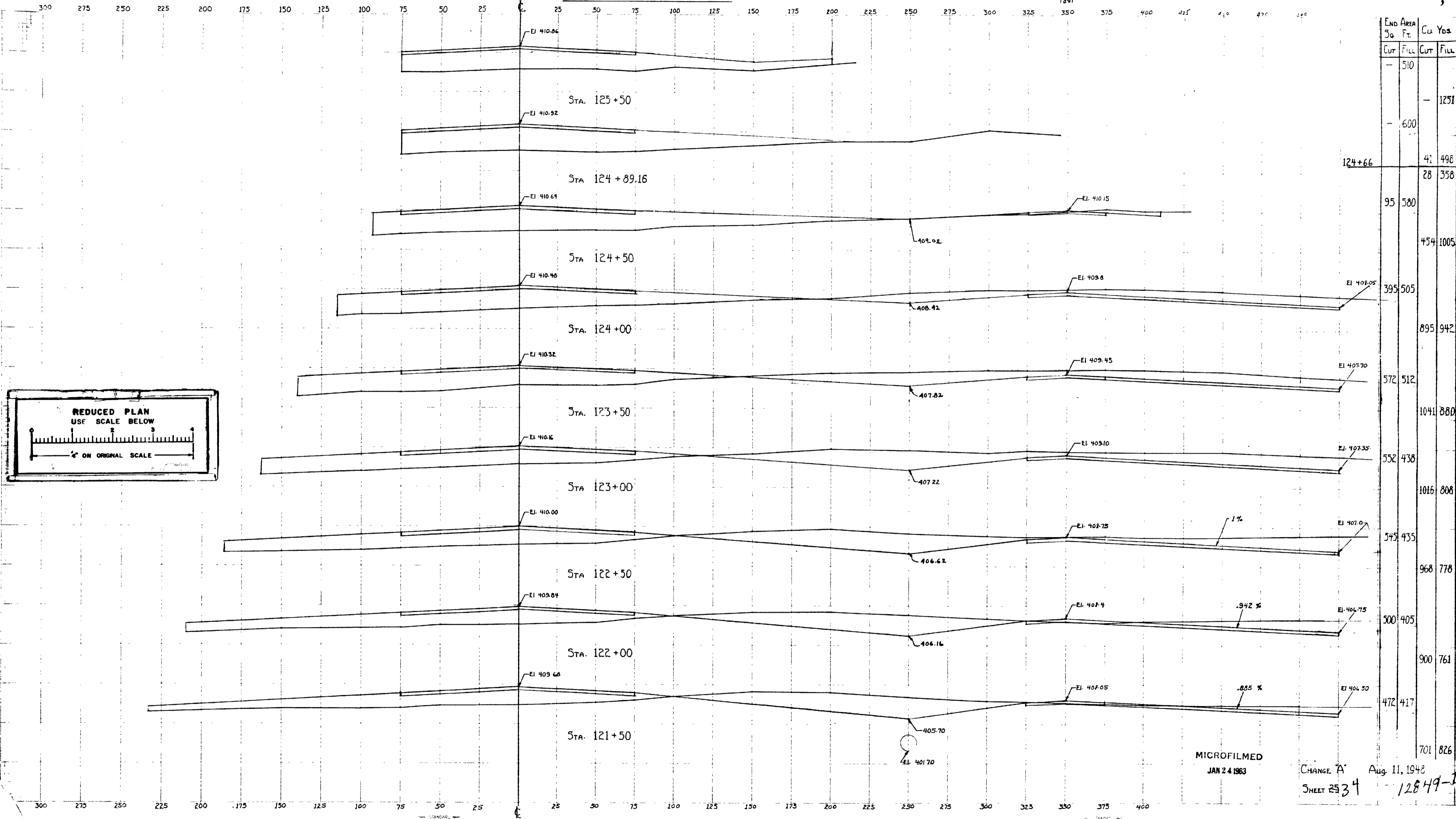
Sta.	End Area Cut	Fill	Yds. Cut	Yds. Fill
121+00	285	475	614	900
120+50	378	497	695	983
120+00	373	565	668	1039
119+50	349	557	660	1006
119+00	370	532	546	926
118+50	220	468	399	716
118+00	211	305	431	457
117+50	255	167	595	315
117+00	308	173	915	1334

MICROFILMED  
 JAN 24 1963

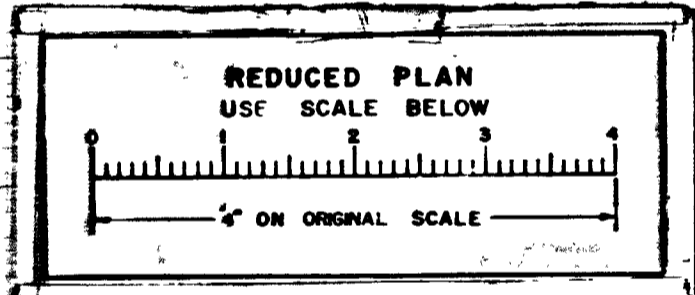
CHANGE "A" AUG. 11, 1948  
 SHEET 24  
 3312849-6



WSW-ENE RUNWAY

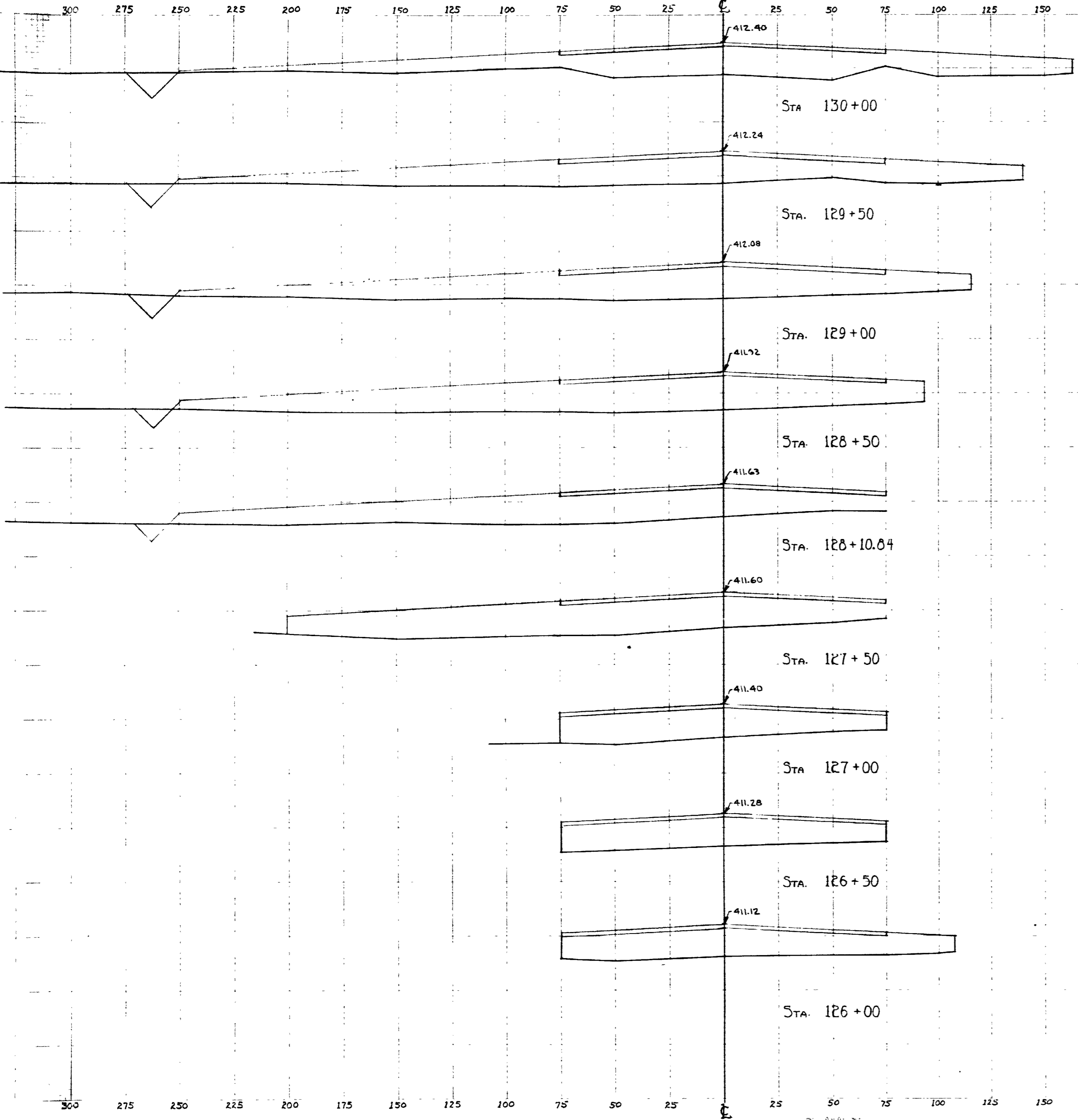


Sta	END AREA		Cu	Yds
	Cut	Fill		
-	510			
-		600		1251
124+66			41	496
			28	358
95	500			
			454	1005
395	505			
			895	942
572	512			
			1041	880
552	438			
			1016	808
545	435			
			968	778
500	405			
			900	761
472	417			
			701	826



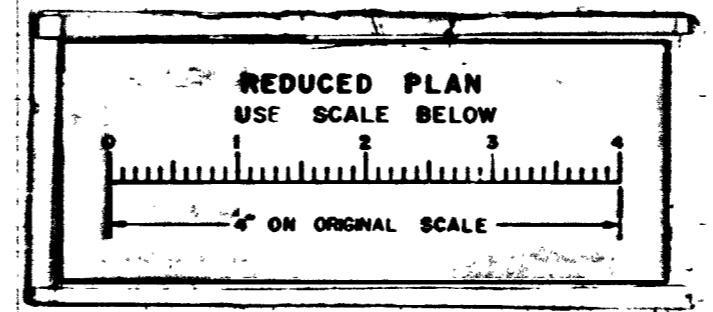
MICROFILMED  
 JAN 24 1963  
 CHANGE A\* Aug 11, 1948  
 SHEET 2534 12849-L

WSW-ENE RUNWAY



END AREA		Cu. Yds.	
SQ. FT.		CUT	FILL
0	-		

END AREA	Cu. Yds.	
	CUT	FILL
35	482	
		56
25	700	
		43
21	765	
		32
14	820	
		18
11	695	
		12
		732
		1025
		375
		673
		352
		729
		435
		875



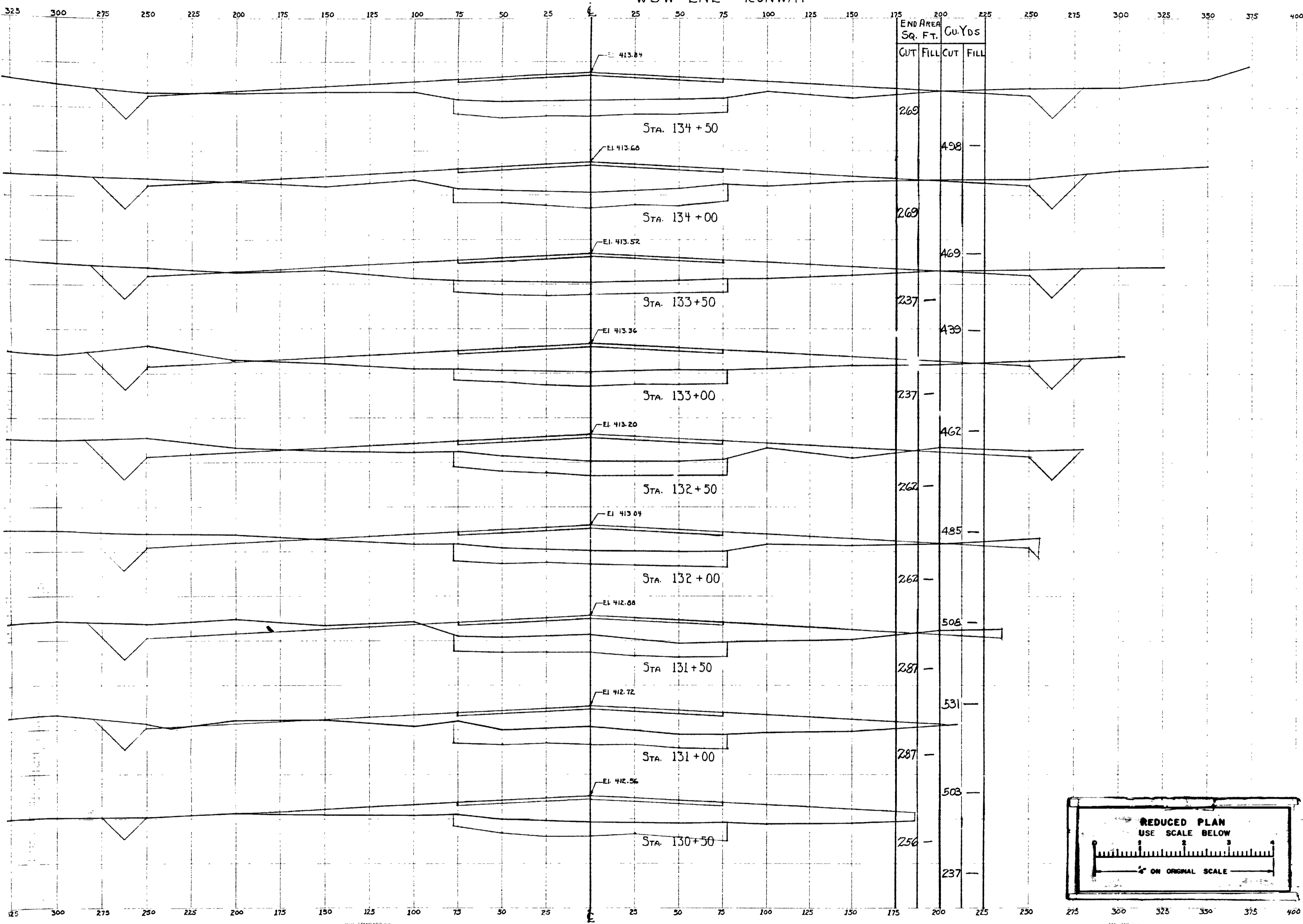
MICROFILMED  
JAN 24 1963

CHANGE "A" AUG 11, 1948  
SHEET 26 35

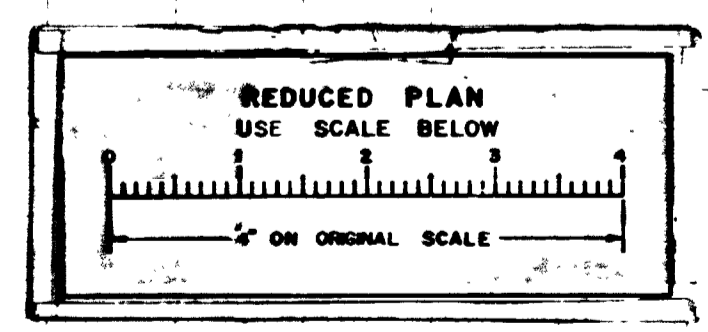
12649-L



WSW-ENE RUNWAY



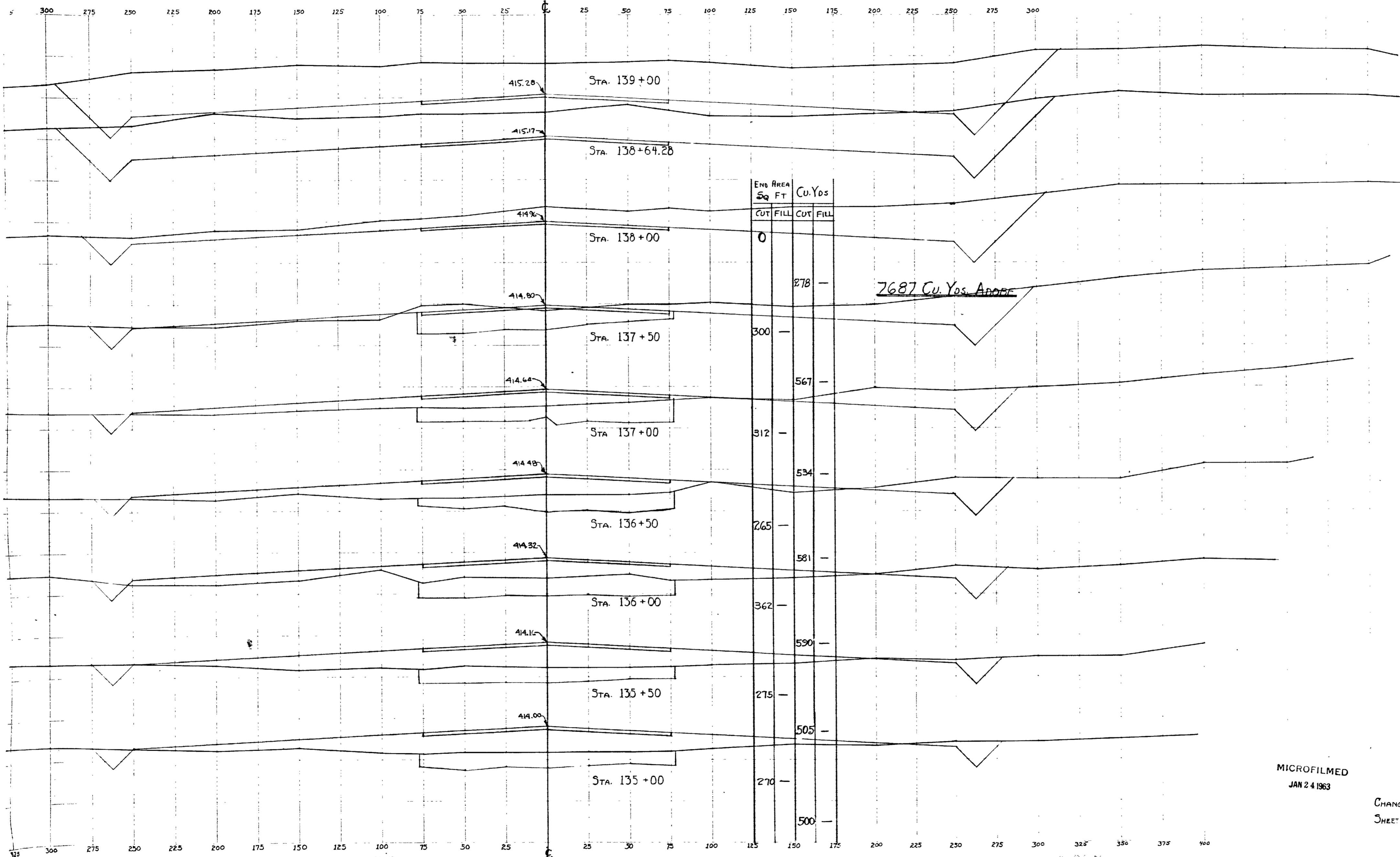
END AREA SQ. FT.	Cu. Yds	
	CUT	FILL
269		
498		
269		
469		
237		
439		
237		
462		
262		
485		
262		
508		
287		
531		
287		
508		
256		
237		



END AREA SQ. FT.	Cu. Yds	
	CUT	FILL
135	640	
		278 1157
165	610	
		310 1157
170	640	
		366 1194
225	650	
		454 1053
265	487	
		437 911
207	497	
		425 869
252	442	
		284 909
55	540	
		79 1057
30	602	
		60 1004

MICROFILMED  
JAN 24 1963  
CHANGE 'A' AUG. 11, 1948  
SHEET 2736 12849-t

WSW-ENE RUNWAY

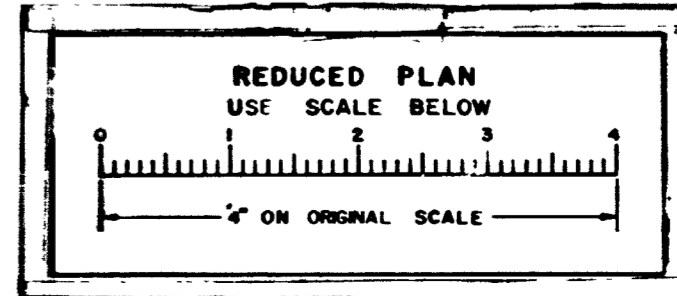


END AREA Sq. FT.	Cu. Yds.	
	CUT	FILL
3048		
2570		5202
1330		3611
633		1818 65
891		403
330	365	
477	898	
185	605	
299	1102	
138	585	
211	1224	
90	737	
169	1354	
92	725	
210	1264	

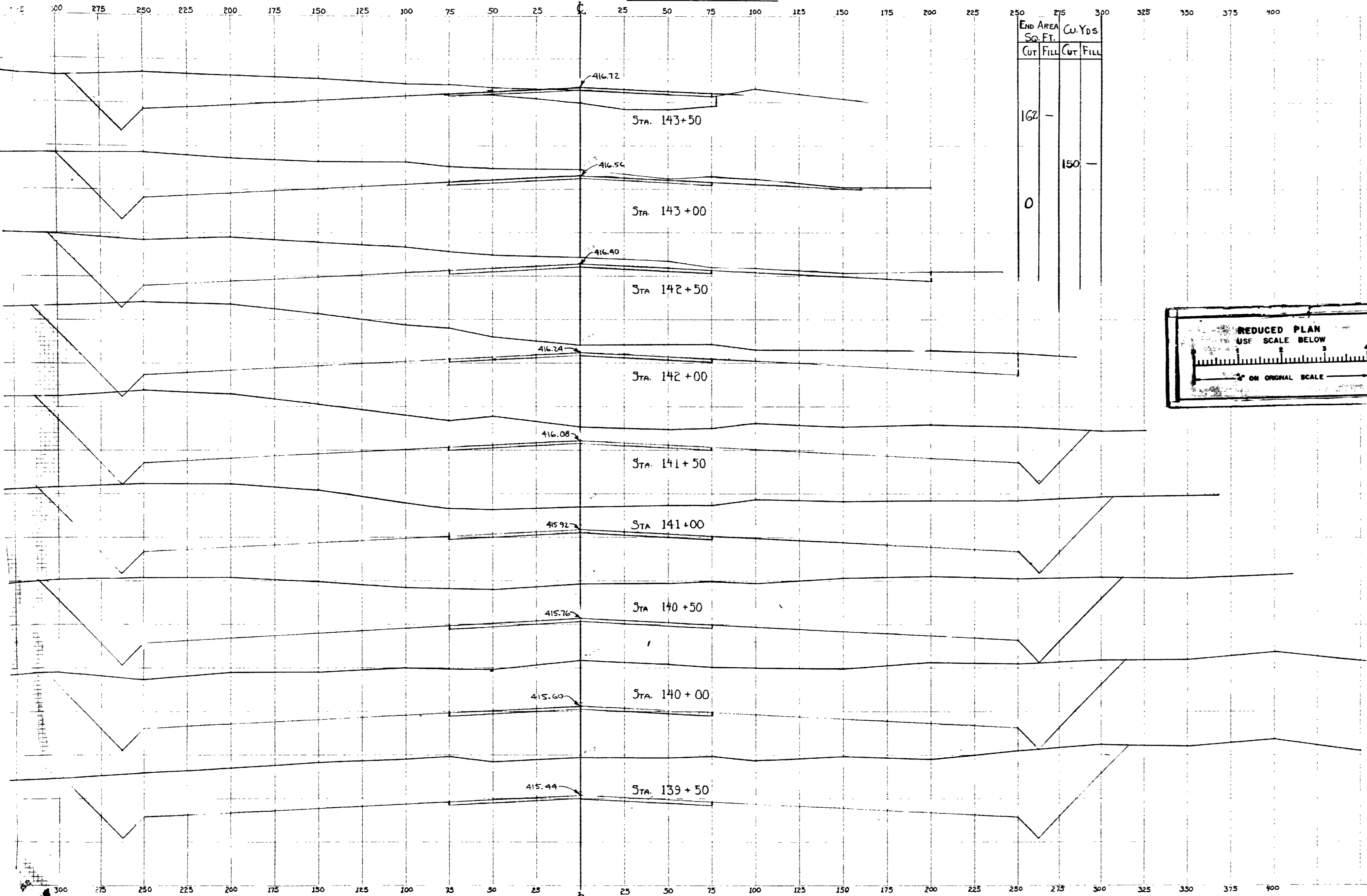
2687 Cu. Yds. ABOVE

MICROFILMED  
JAN 24 1963

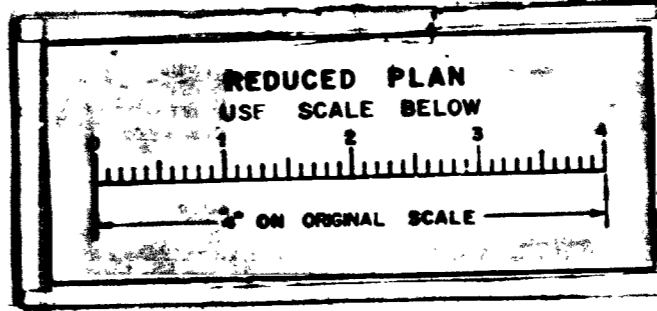
CHANGE 'A'  
SHEET 28  
37  
Aug 11, 1948  
12849-4



WSW-ENE RUNWAY



END AREA		Cu. Yds.	
CUT	FILL	CUT	FILL
162	0	150	0



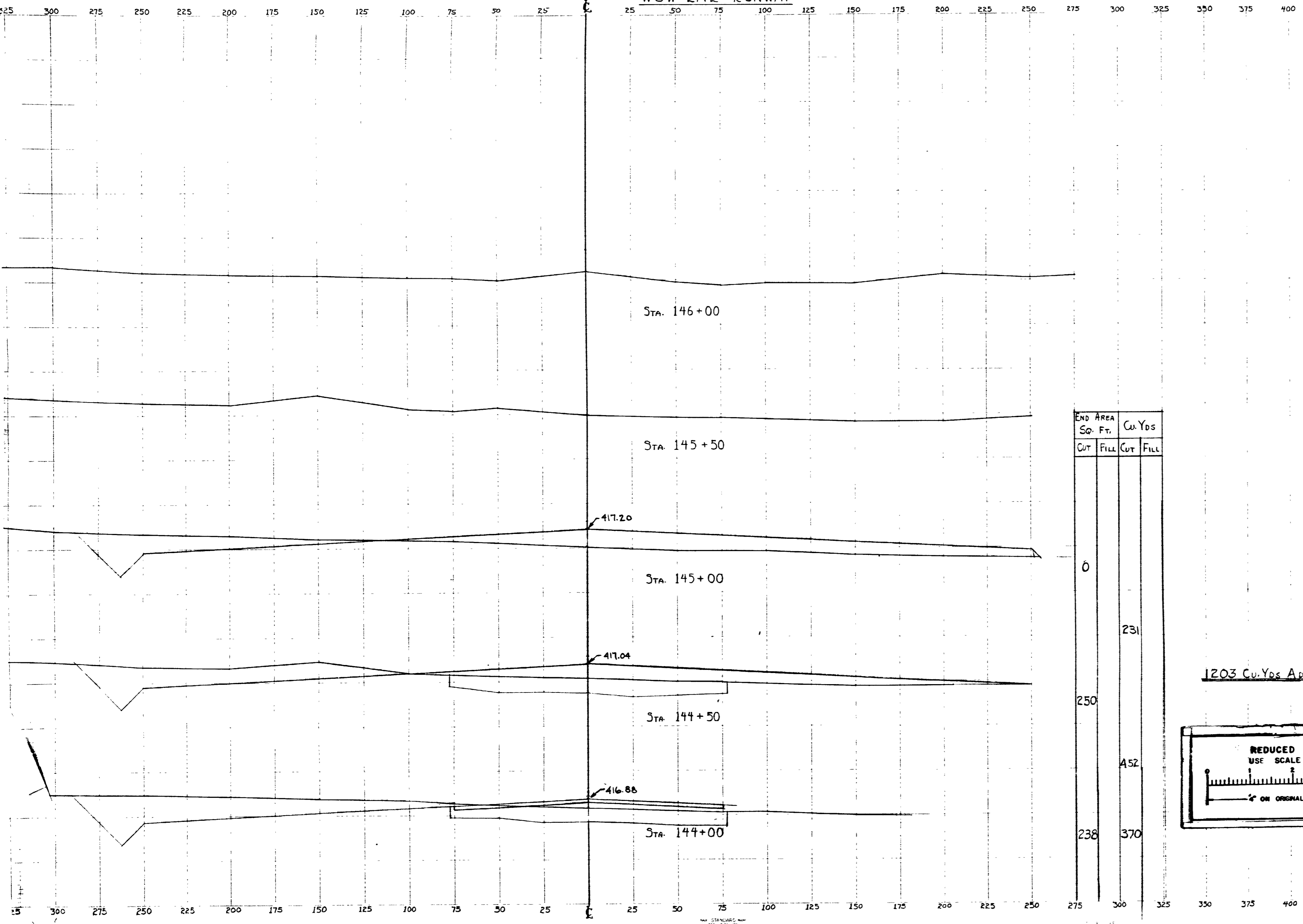
END AREA		Cu. Yds.	
CUT	FILL	CUT	FILL
725	-	1634	-
1040	-	2153	-
1285	-	3208	-
2180	-	4426	-
2600	-	5298	-
3122	-	6073	-
3437	-	6738	-
4516	-	7297	-
1953	-	30027	-
3550	-	27297	-
6378	-	30027	-
3338	-		-
5913	-		-

CUT 30027  
FILL 27297  
FILL + 10% 30027

MICROFILMED  
JAN 24 1963

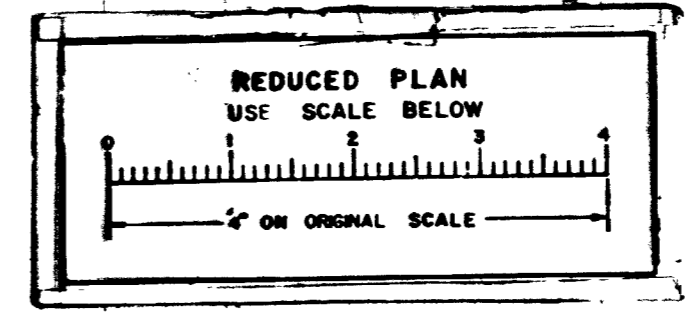
CHANGE 'A' Aug. 11, 1948  
SHEET 29  
38 12849-k

WSW-ENE RUNWAY



END AREA SQ. FT.		CU. YDS.	
CUT	FILL	CUT	FILL
0	0		
238	370		
250	452		
0	231		
260	515		

1203 CU. YDS ABOVE



END AREA SQ. FT.		CU. YDS.	
CUT	FILL	CUT	FILL
0	0		
260	515		
355	350		
490	48		
1125	44		
569	801		
481	954		

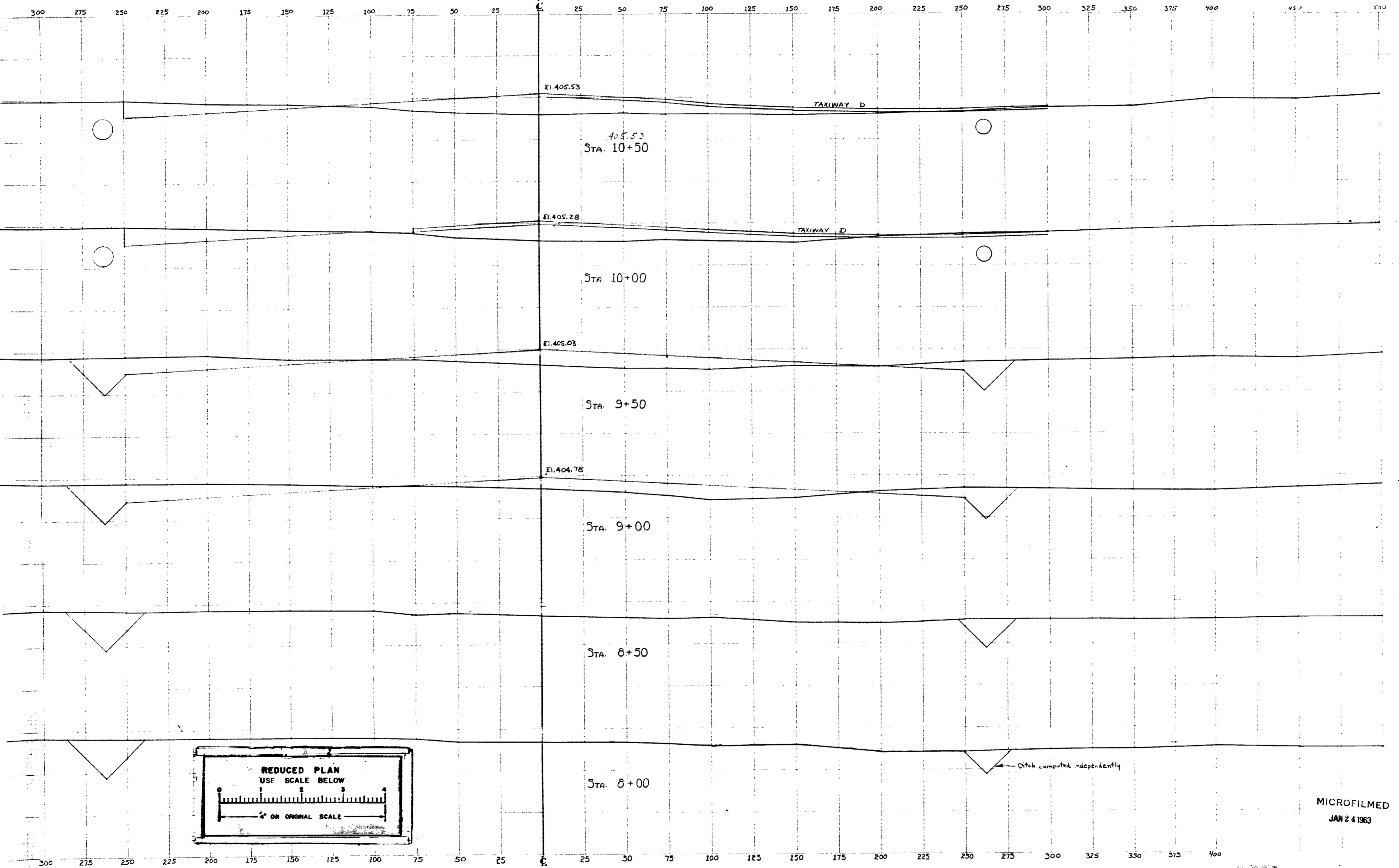
CUT 30265  
FILL 2168  
FILL + 10% WASTE 2385  
WASTE 27000

MICROFILMED CHANGE 'A'  
JAN 24 1963 SHEET 30  
39

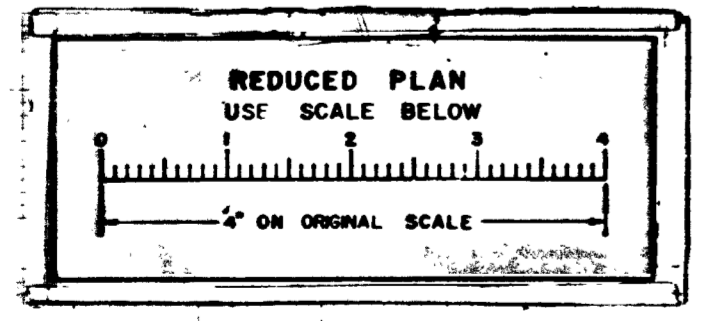
Aug. 11, 1948  
12849-165



WNW-ESE RUNWAY



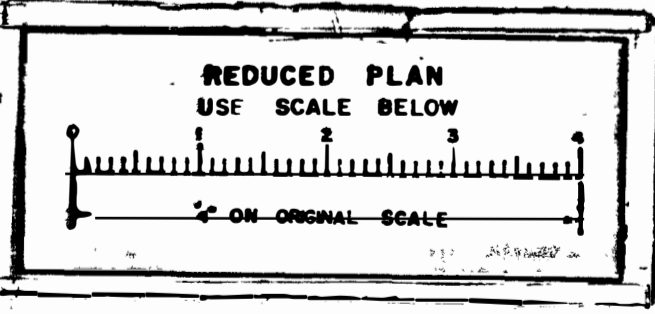
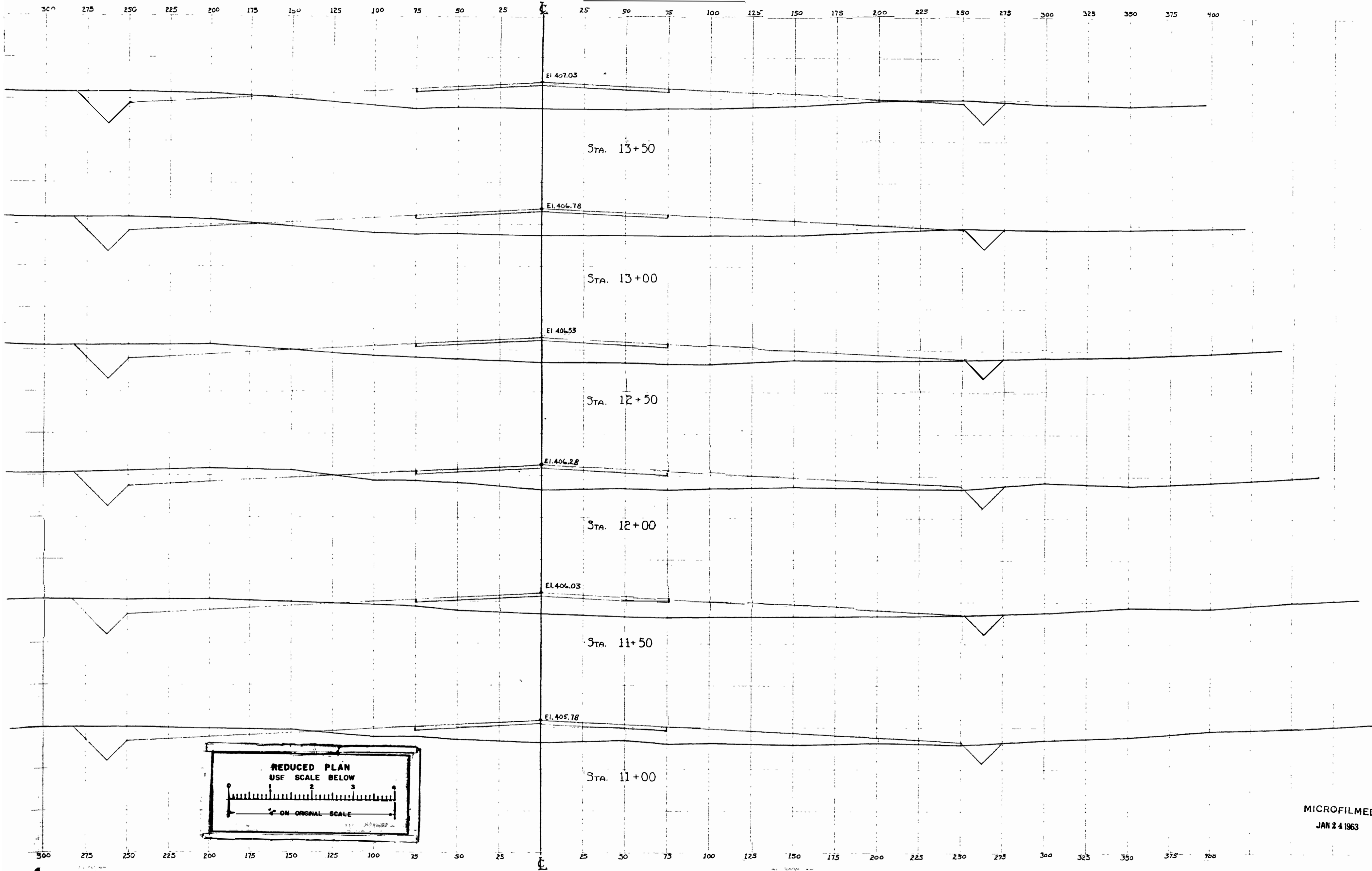
END AREA	CU Yds.
CUT/FILL	CUT/FILL
120	445
50	285 750
188	365
50	489 639
340	325
50	687 562
402	282
100	744 522
0	0



MICROFILMED  
JAN 24 1963

CHANGE A AUG. 4 1948  
SHEET 31  
60 12849-1

WNW-ESE RUNWAY

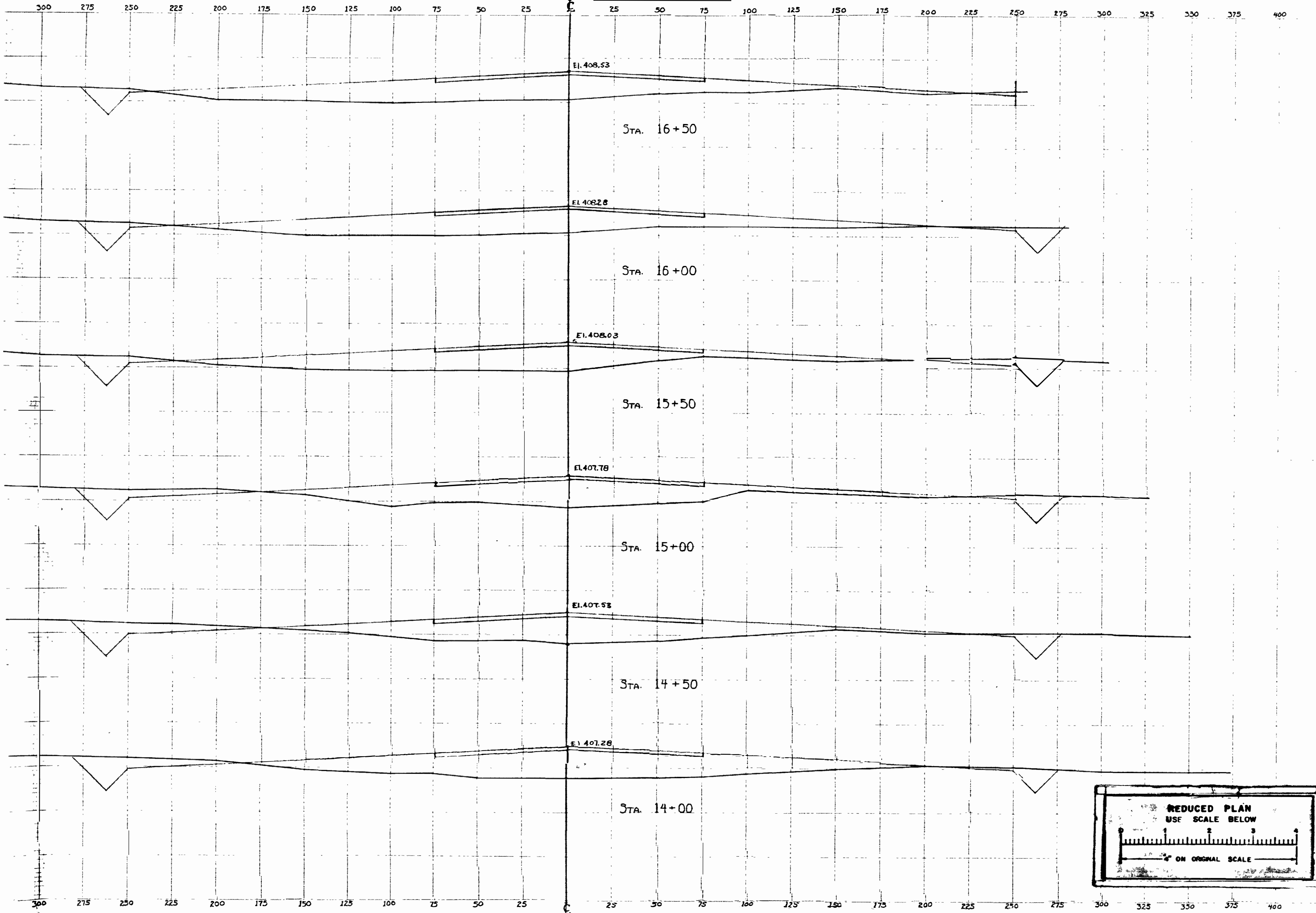


MICROFILMED  
JAN 24 1963

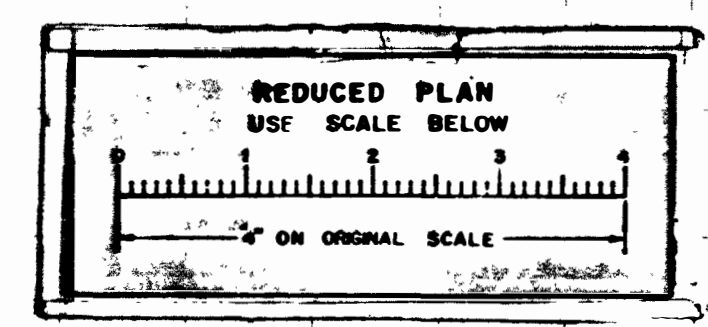
END AREA	CUT	FILL	CUT	Co. Yds.
178	670			
		350	1306	
200	740			
		381	1241	
212	600			
		456	1028	
280	500			
		405	912	
255	475			
		432	910	
212	508			
		307	882	

CHANGE "A" A.C. 11, 1948  
SHEET 32  
41 12849-L

WNW-ESE RUNWAY



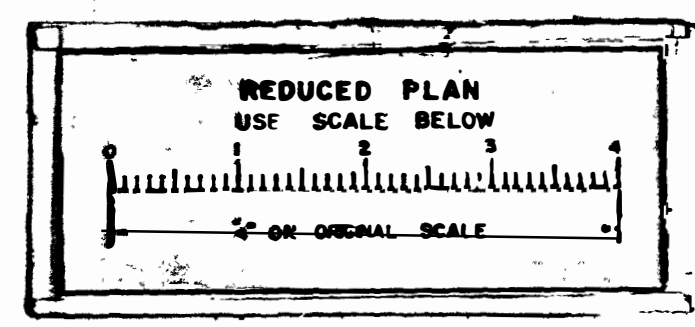
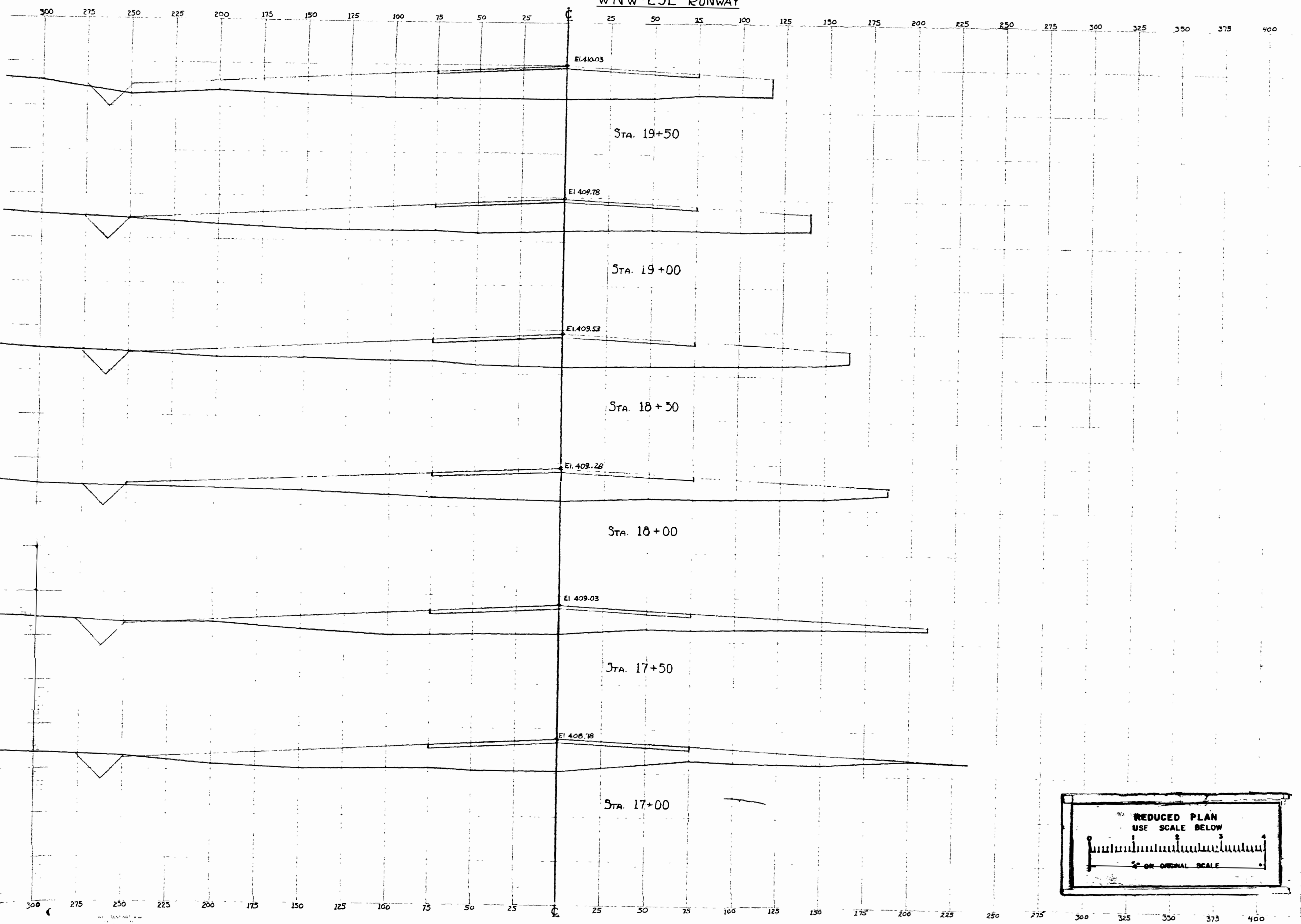
END AREA	CU. YDS.
CUT   FILL	CUT   FILL
56   790	
50	149   1454
105   780	
50	224   1248
137   590	
50	275   1102
160   600	
50	310   1111
175   600	
50	352   1222
205   720	
50	355   1287



MICROFILMED  
JAN 24 1963

CHANGE "A" AUG. 11, 1948  
SHEET 33  
42 12847-25

WNW-ESE RUNWAY



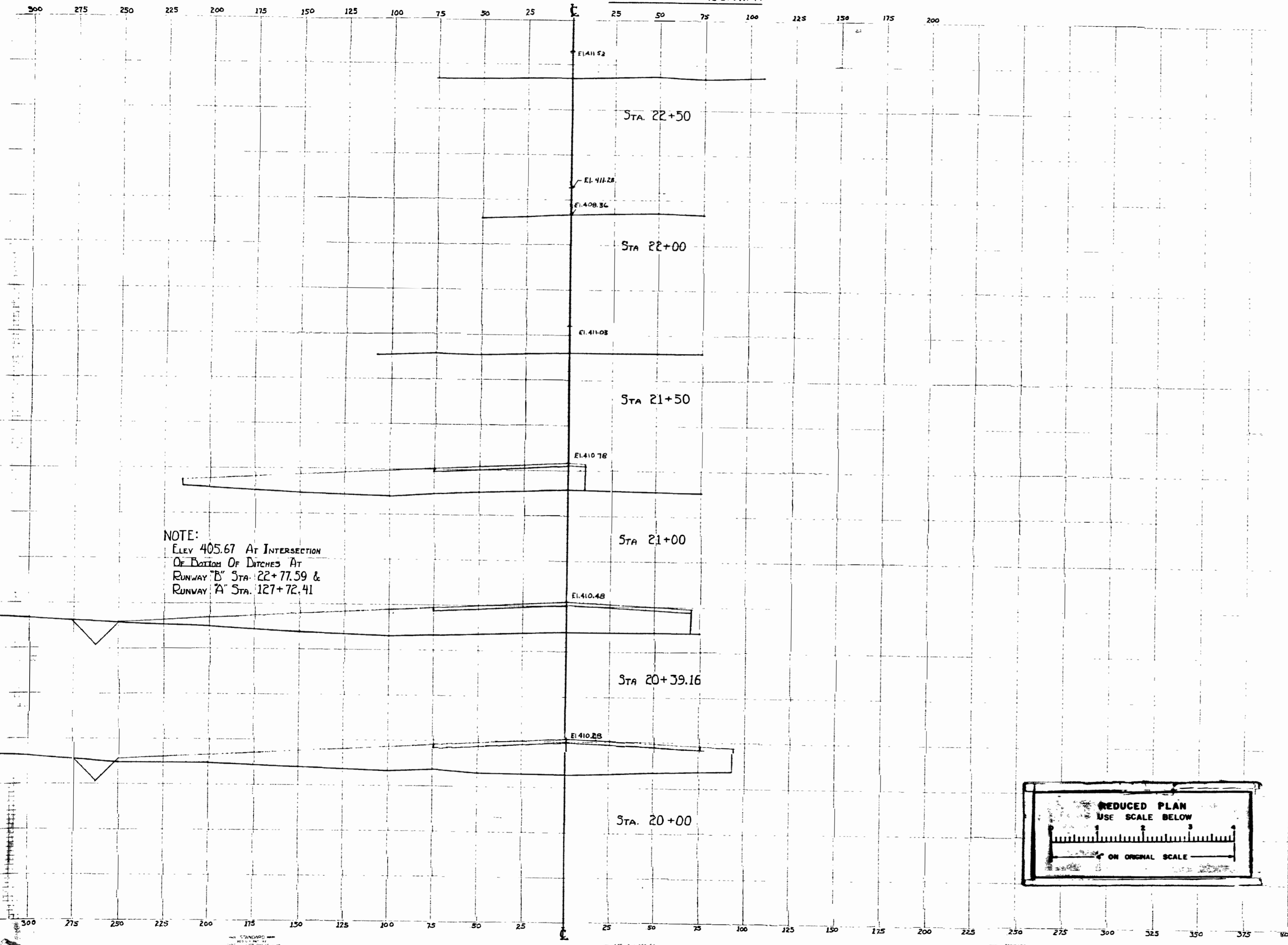
END AREA	Cu. Yds.	
	CUT	FILL
18	892	
50	45	1676
31	918	
50	64	1600
38	810	
50	59	1580
26	875	
50	59	1481
38	725	
50	70	1412
38	800	
50	57	1472

MICROFILMED  
JAN 24 1963

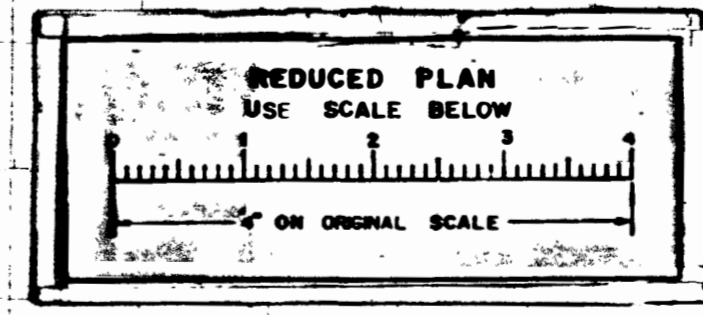
CHANGE A AUG. 11, 1948  
SHEET 34  
43 12849-12



WNW-ESE RUNWAY



NOTE:  
 ELEV 405.67 AT INTERSECTION  
 OF BOTTOM OF DITCHES AT  
 RUNWAY "B" STA. 22+77.59 &  
 RUNWAY "A" STA. 127+72.41



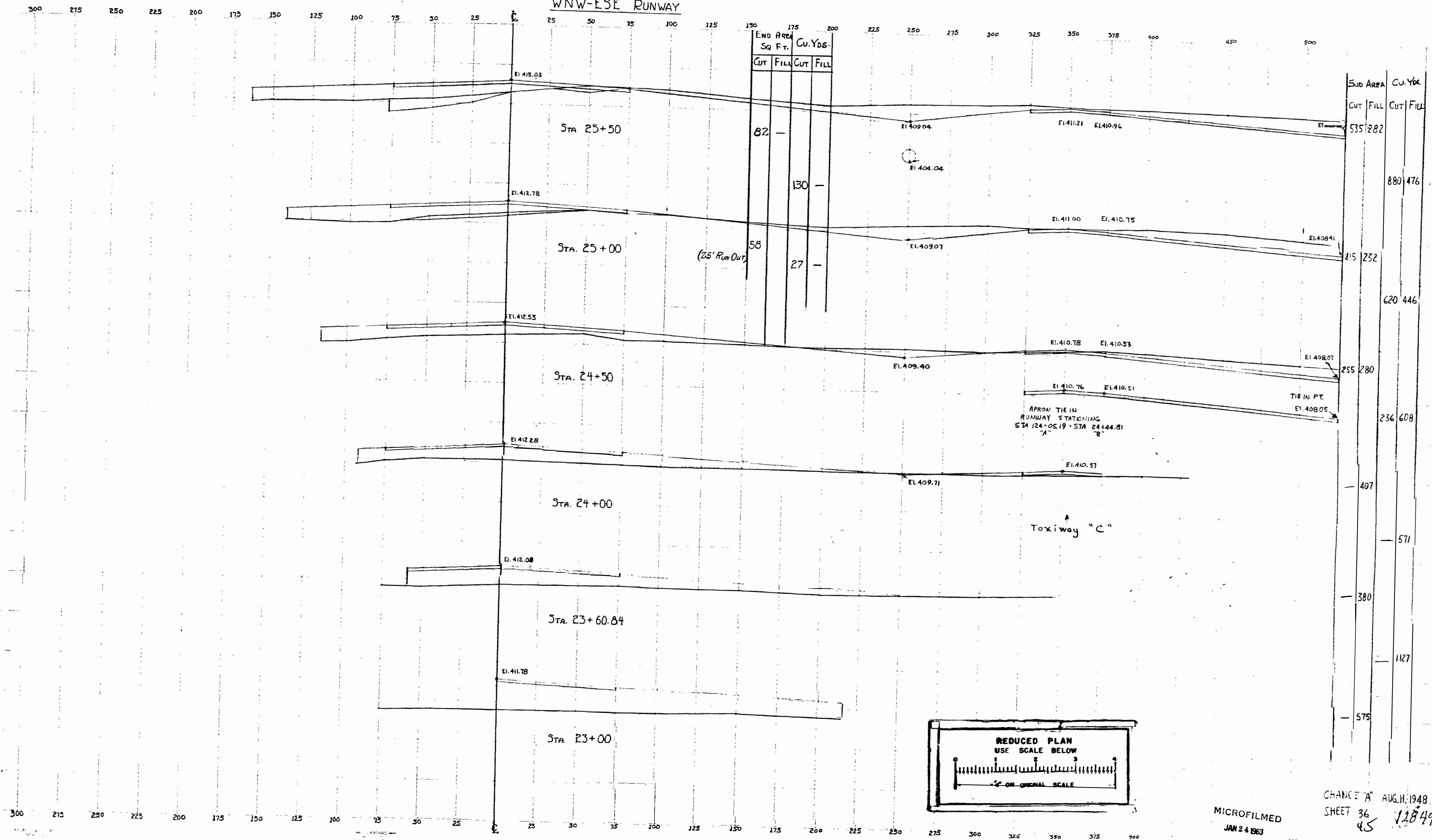
↑  
 These Cross-Sections  
 computed as part  
 of Runway "A"  
 ↓

END AREA	Cu. Yds.
CUT	FILL
— 512	
6084	1517
31	710
39.16	38 1091
21	795
30	36 1562

MICROFILMED  
 JAN 24 1963

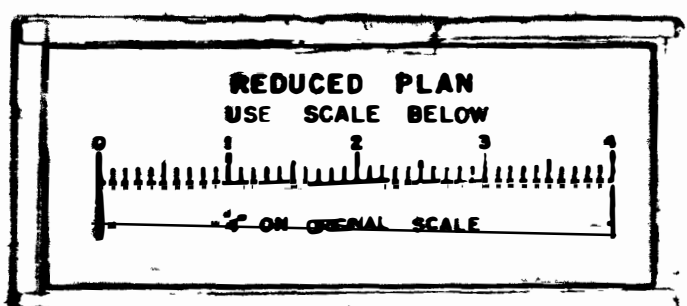
CHANGE 'A' AUG. 11, 1948  
 SHEET 35 128497L  
 44

WNW-ESE RUNWAY



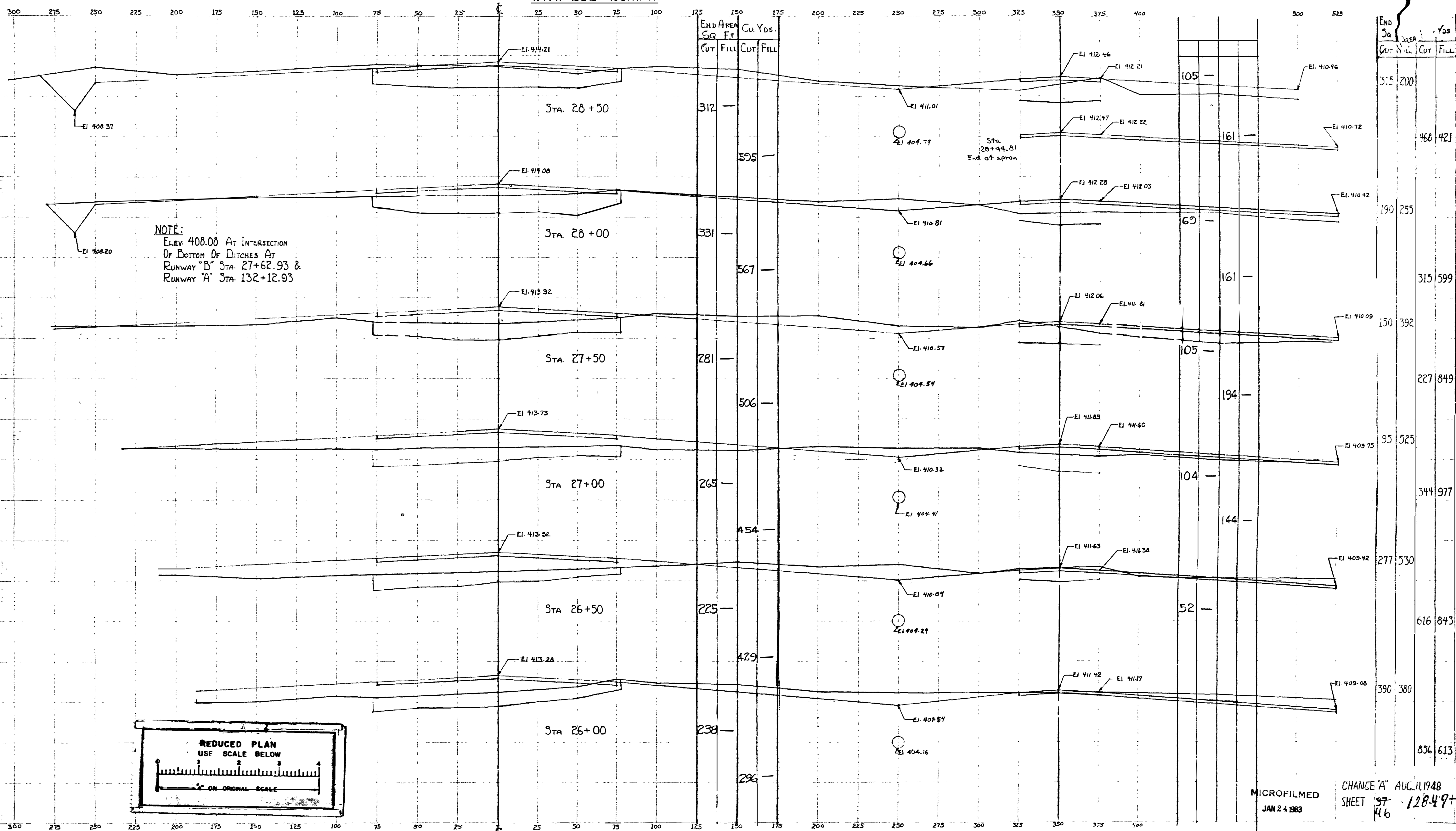
APRON TIE IN  
RUNWAY STATING  
STA 24+05.19 - STA 24+44.81  
"A" "B"

Taxiway "C"



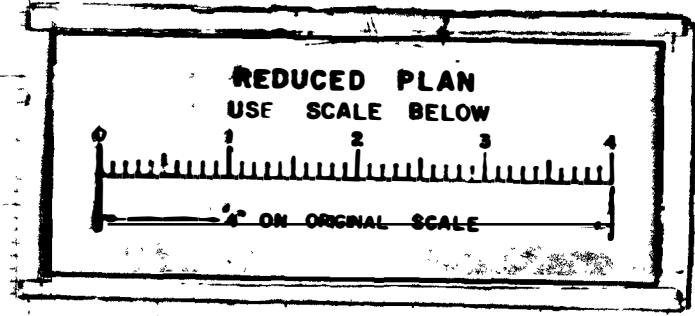
MICROFILMED  
JAN 24 1963  
CHANGE 'A' AUG. 11, 1948  
SHEET 36 45 12849-1

WNW-ESE RUNWAY



NOTE:  
ELEV. 408.00 AT INTERSECTION  
OF BOTTOM OF DITCHES AT  
RUNWAY "B" STA. 27+62.93 &  
RUNWAY "A" STA. 132+12.93

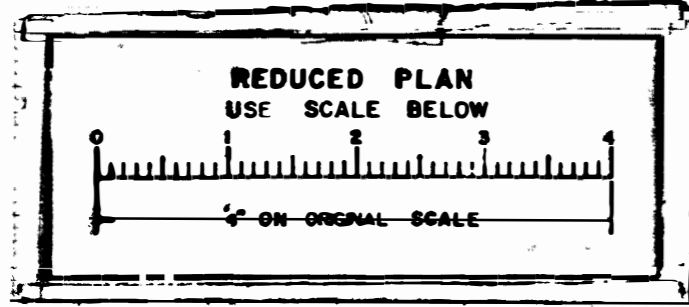
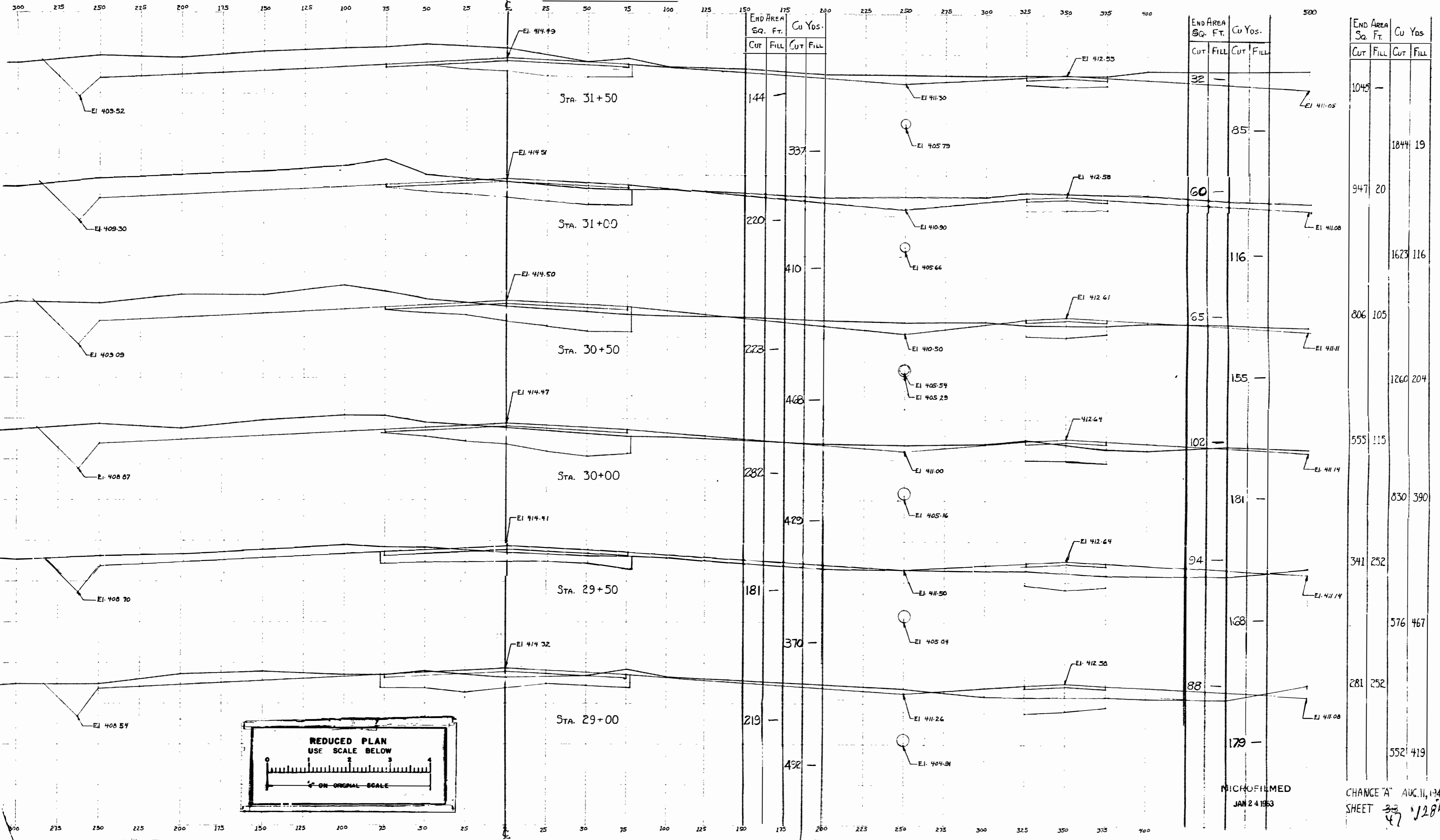
END Sta	AREA		Cu Yds	
	Sq Ft	Cut	Fill	
28+50	315	200		
28+00	190	255		
27+50	150	392		
27+00	95	525		
26+50	277	530		
26+00	396	380		
	836	613		



MICROFILMED  
JAN 24 1983

CHANGE "A" AUG. 11, 1948  
SHEET 37-12849-L  
46

WNW-ESE RUNWAY



END AREA SQ. FT.	Cu Yds.	
	CUT	FILL
32	-	-
60	-	85
65	-	116
102	-	155
94	-	181
88	-	128
179	-	179

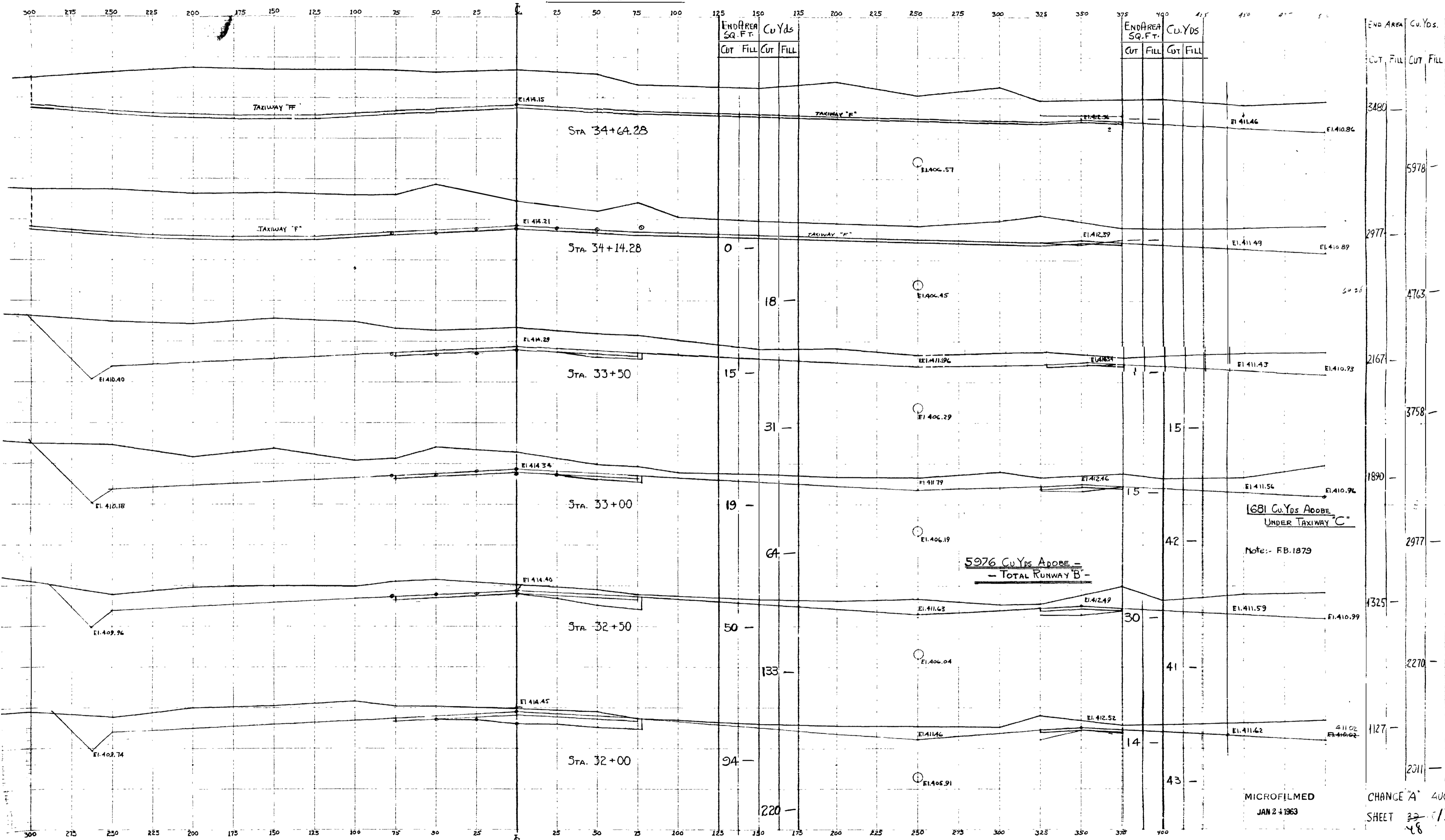
END AREA SQ. FT.	Cu Yds.	
	CUT	FILL
1045	-	-
947	20	1844
806	105	116
555	115	1260
341	252	390
281	252	467
281	252	419

MICROFILMED  
JAN 24 1963

CHANGE "A" AUG. 11, 1948  
SHEET 33 12849-1  
47



WNW-ESE RUNWAY



END AREA SQ. FT.	Cu Yds
3490	5978
2977	4763
2167	3758
1890	2977
1325	2270
1127	2011

5976 Cu Yds Adobe =  
- TOTAL RUNWAY B -

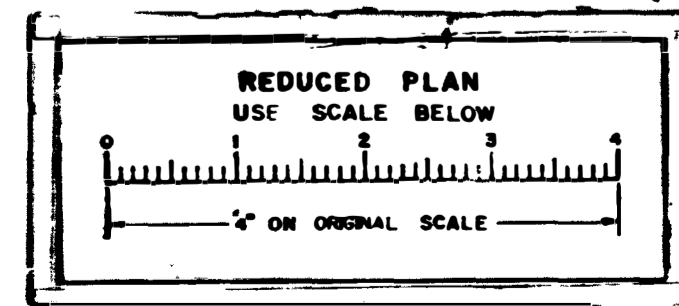
1681 Cu Yds Adobe  
UNDER TAXIWAY "C"

Note: FB. 1879

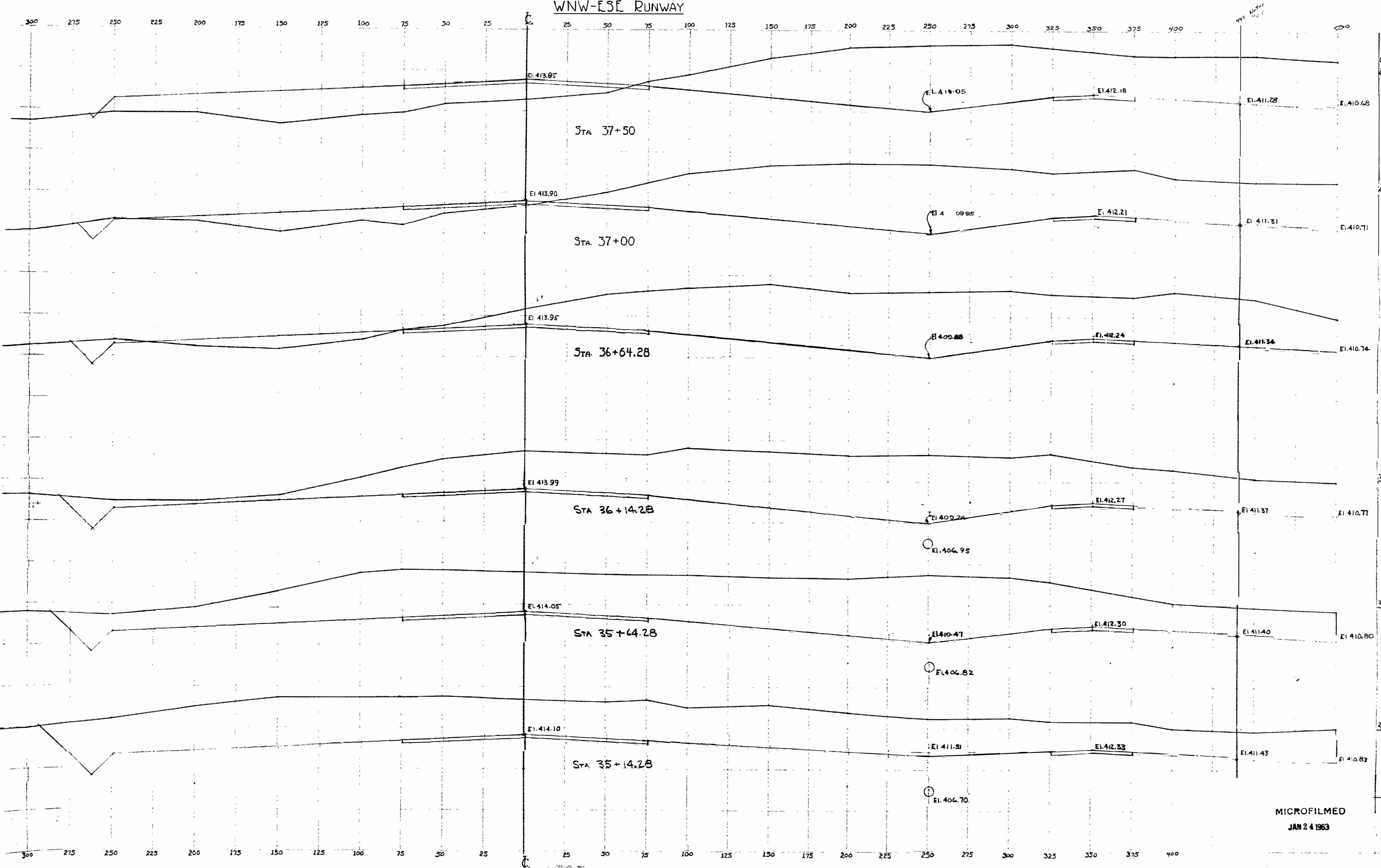
MICROFILMED  
JAN 24 1963

CHANGE "A" AUG 11, 1948  
SHEET 32-12849-K  
48

CUT 42374 Cu Yds  
FILL 24522 " "  
FILL + 10% 47374 " "



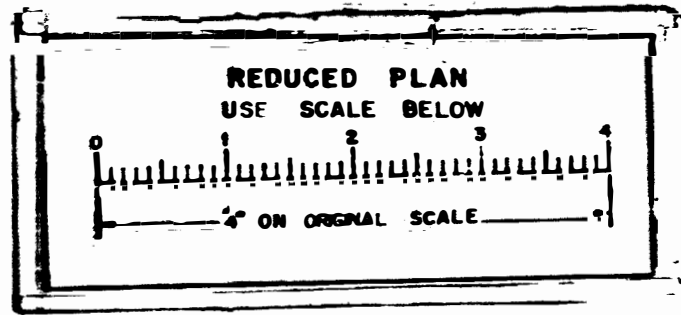
WNW-ESE RUNWAY



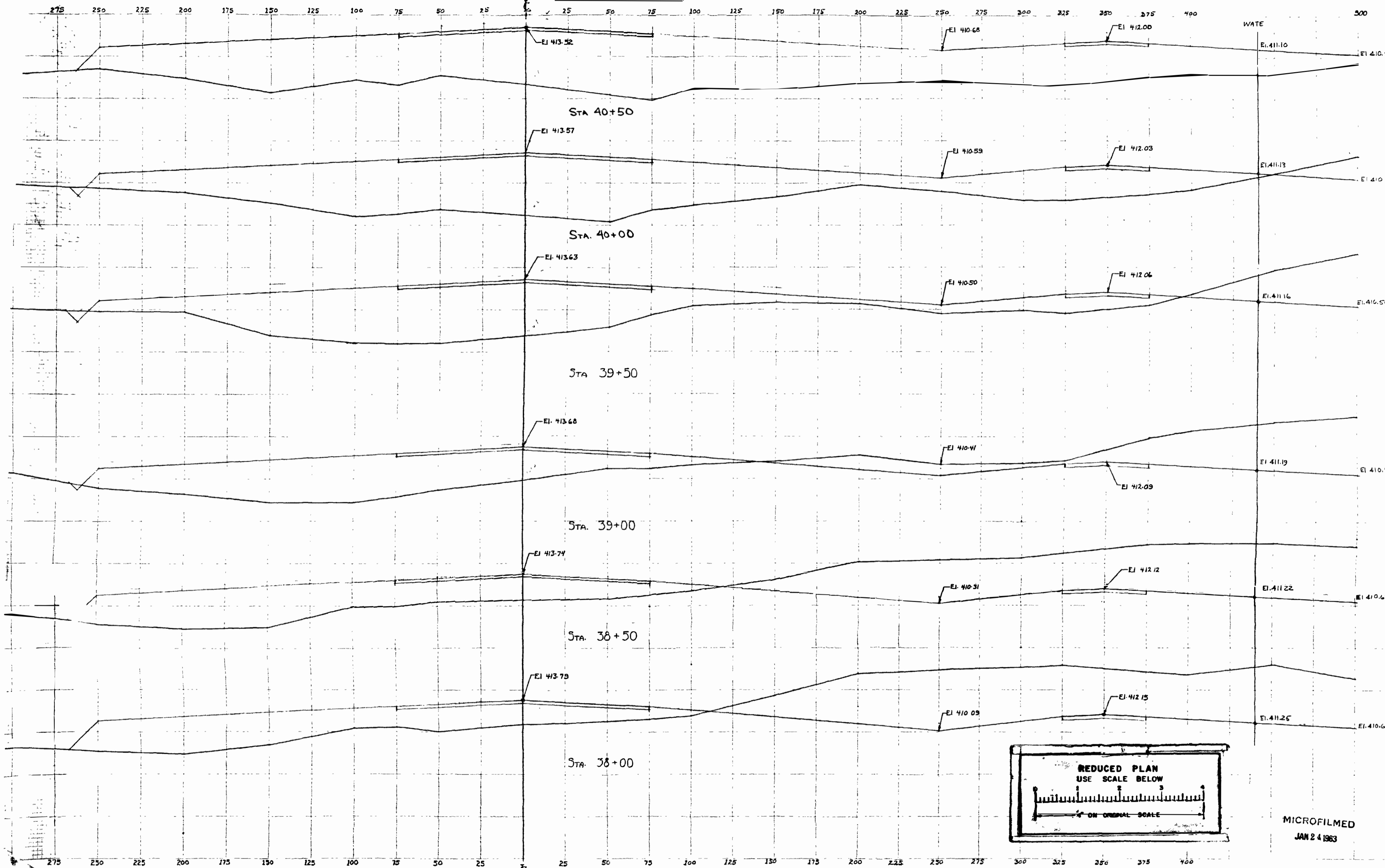
END AREA	CUT	FILL	CUT	FILL	CU YDS
2412	2412	816	2412	816	
4803	4803	1632	4803	1632	1000
2775	2775	270	2775	270	
5435	5435	389	5435	389	
3095	3095	150	3095	150	
6060	6060	139	6060	139	
3450	3450		3450		
6954	6954		6954		
3952	3952		3952		
7690	7690		7690		
3705	3705		3705		
5425	5425		5425		
1228	1228		1228		

MICROFILMED  
JAN 24 1963

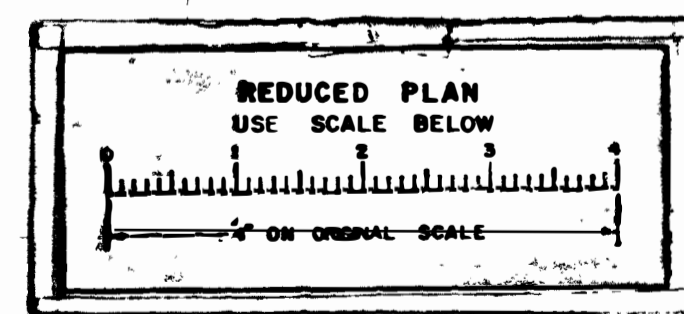
CHANGE SHEET  
AUG 11, 1948  
49 12847-6



WNW-ESE RUNWAY

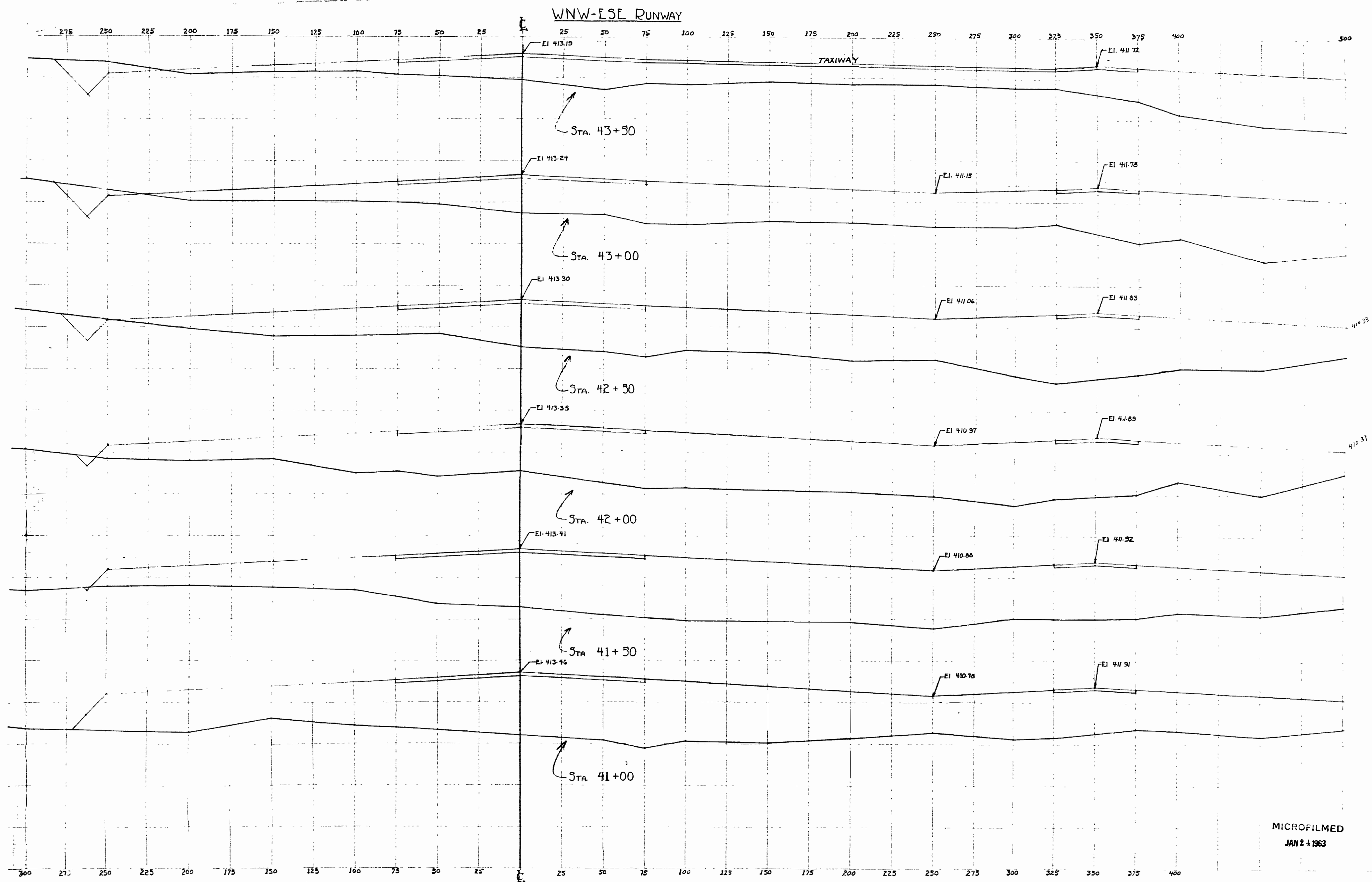


END AREA Sq Ft	Cu Yds	
	CUT	FILL
-	3705	
78	2875	72 6092
	413	4560
368	2050	
	1223	3130
953	1330	
	2507	2305
1755	1160	
	3695	2043
2182	1047	
	4254	1719



MICROFILMED  
JAN 24 1963

CHANGE A AUG 14 1948  
SHEET 41  
50 12849-F

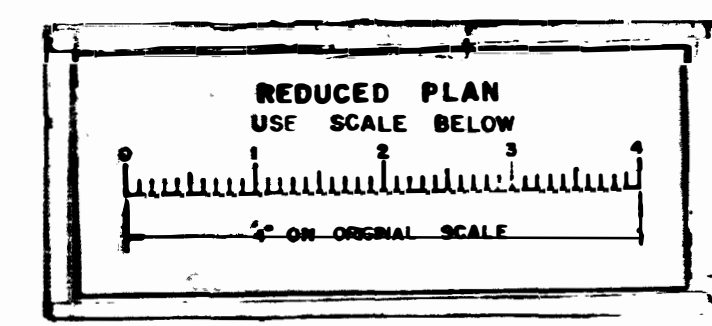


END AREA Sta. Ft.	Cu. Yds.	
	CUT	FILL
100 1385		
		157 4617
70 3002		
		102 6141
40 3630		
		44 7057
8 3992		
		7 2157 4185.84
		5463
		4240
		7893
		4265
		7398

CUT 44.222 - 40.705  
 FILL 41.040 " " " "  
 FILL +10% 46.232

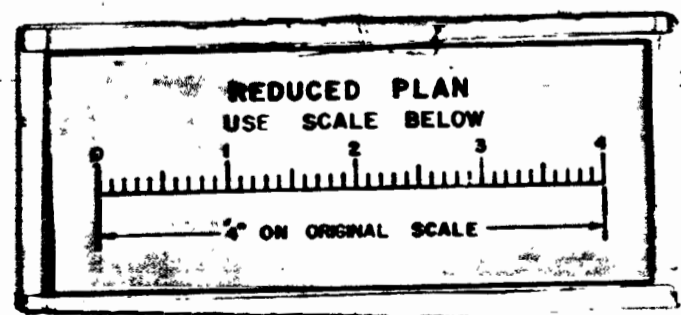
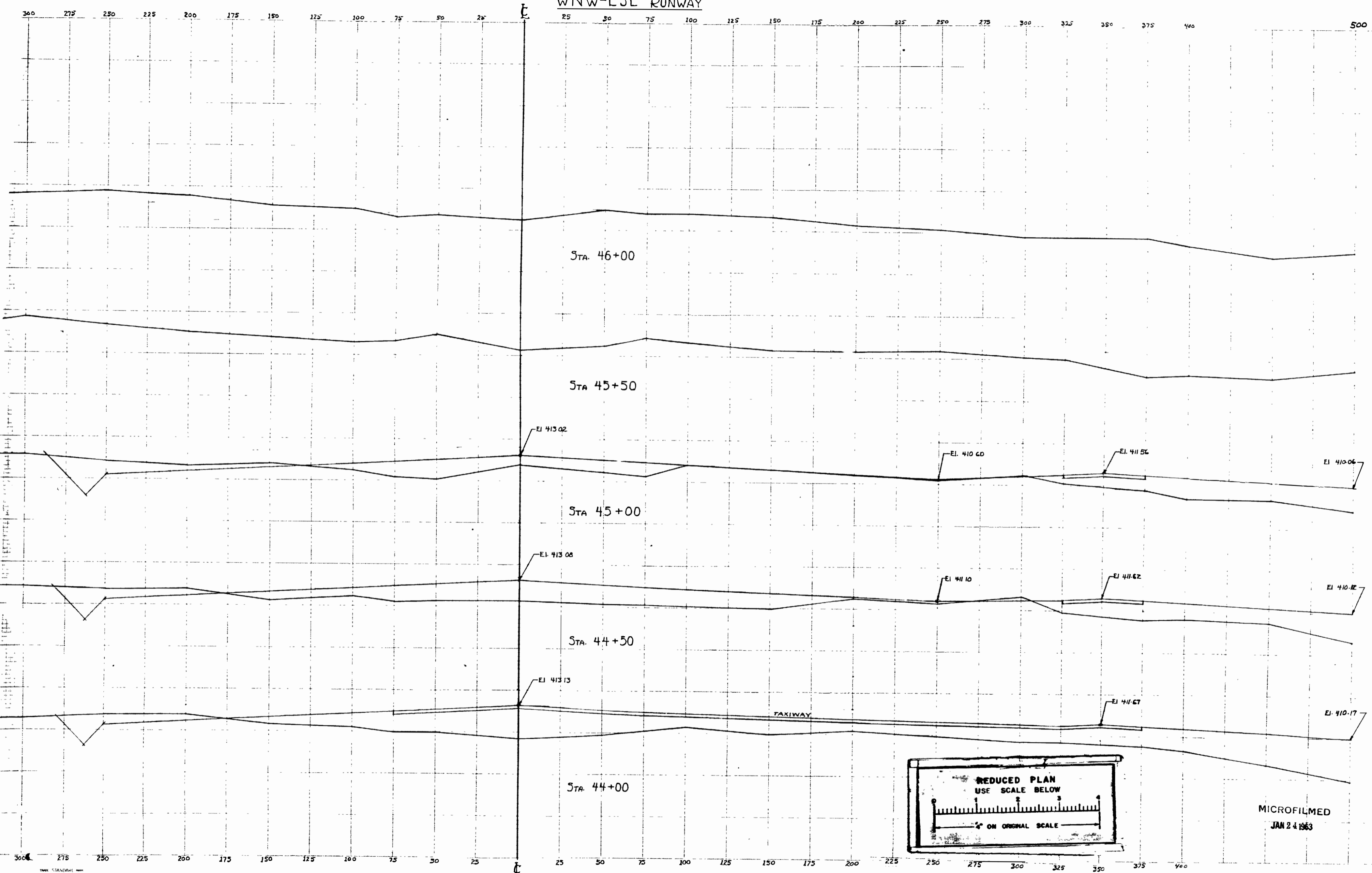
CHANGE "A" AUG 11, 1948  
 SHEET 42  
 12849-7

MICROFILMED  
JAN 24 1963





WNW-ESE RUNWAY



MICROFILMED  
JAN 24 1963

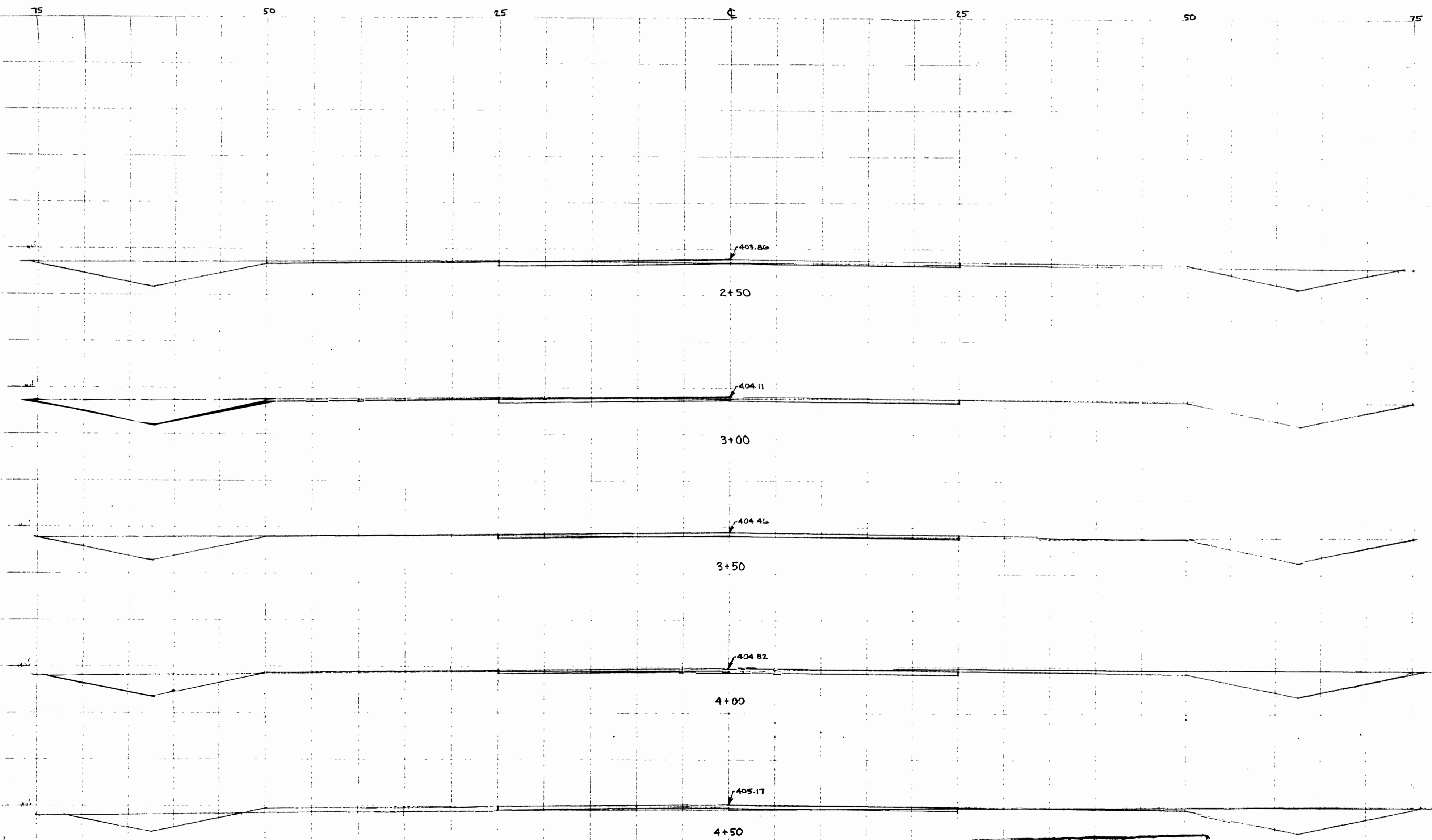
END AREA		Cu Yds	
Cut	Fill	Cut	Fill
0	0		
		333	2657
180	665		
		290	2270
133	1025		
		230	1569
115	1435		
		199	2454

Cut + 1362 Cu Yds  
Fill + 28215 Cu Yds

Fill + 10% = 31037 Cu Yds  
Borrow = 29675 Cu Yds

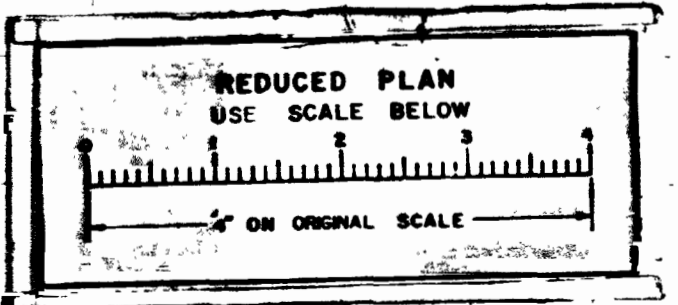
CHANGE 'A' AUG 11, 1948  
SHEET 43  
52 12049-A

TAXIWAY "D"



STATION	END AREA		Cu. Yds.	
	CUT	FILL	CUT	FILL
80	-	-	-	-
93	-	-	160	-
93	-	-	163	-
93	-	-	160	-
10	-	-	135	11
56	12	-	10	25

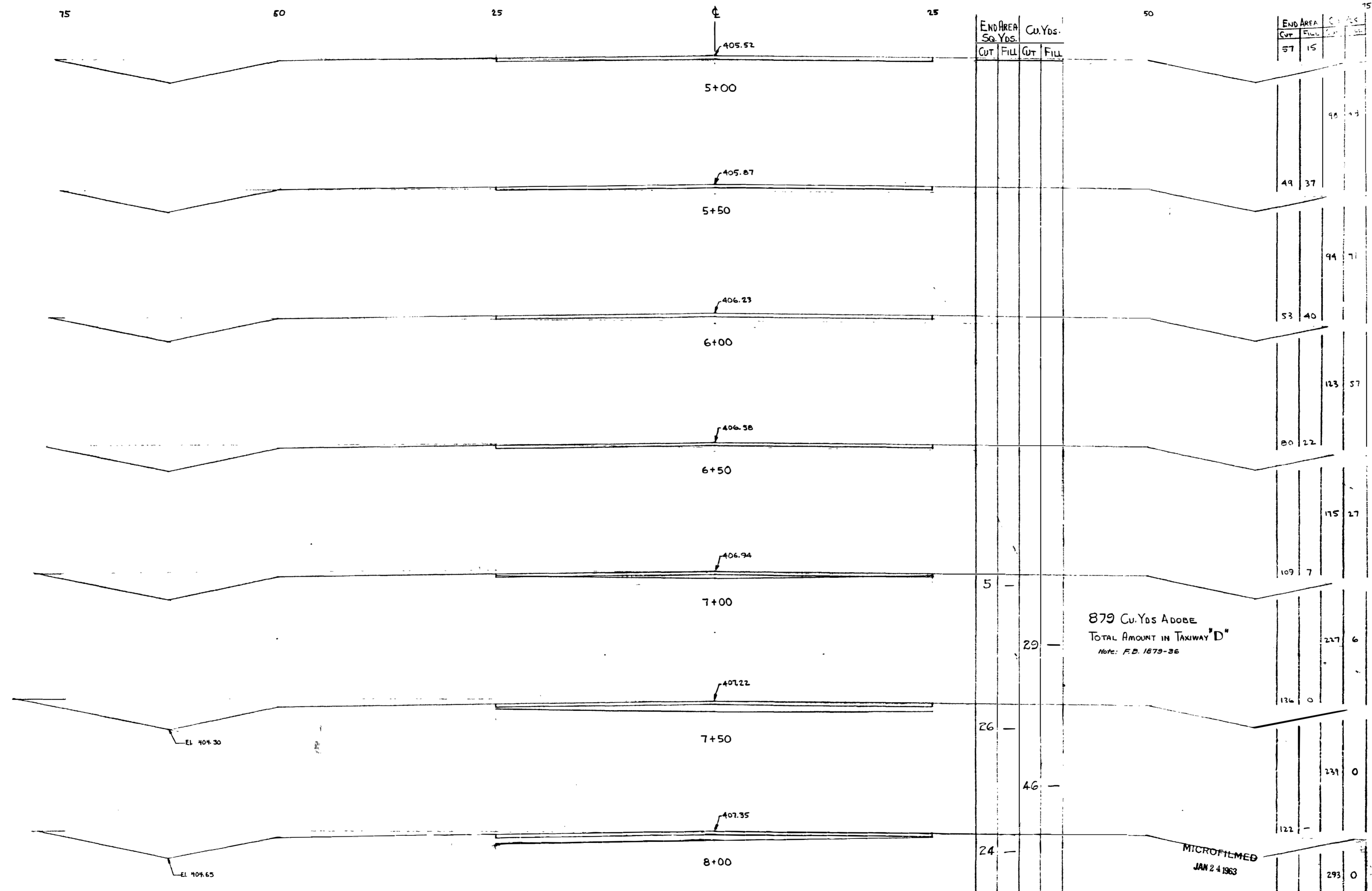
CUT = 3030  
 FILL = 702  
 FILL @ 10% = 732  
 WASTE = 2698



MICROFILMED  
 JAN 24 1963

CHANGE "A" Apr 11, 1948  
 SHEET 44  
 53 12049-J

TAXIWAY "D"

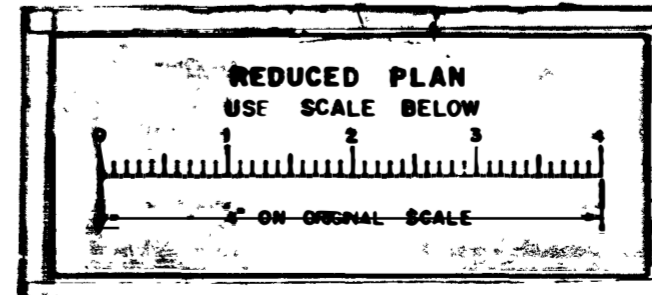


END AREA		Cu. Yds.	
Cut	Fill	Cut	Fill
57	15		
		98	13
49	37		
		94	71
53	40		
		123	57
80	22		
		115	27
109	7		
		227	6
134	0		
		231	0
122			
		293	0

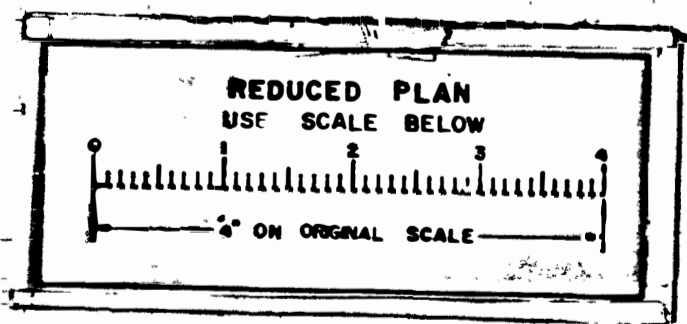
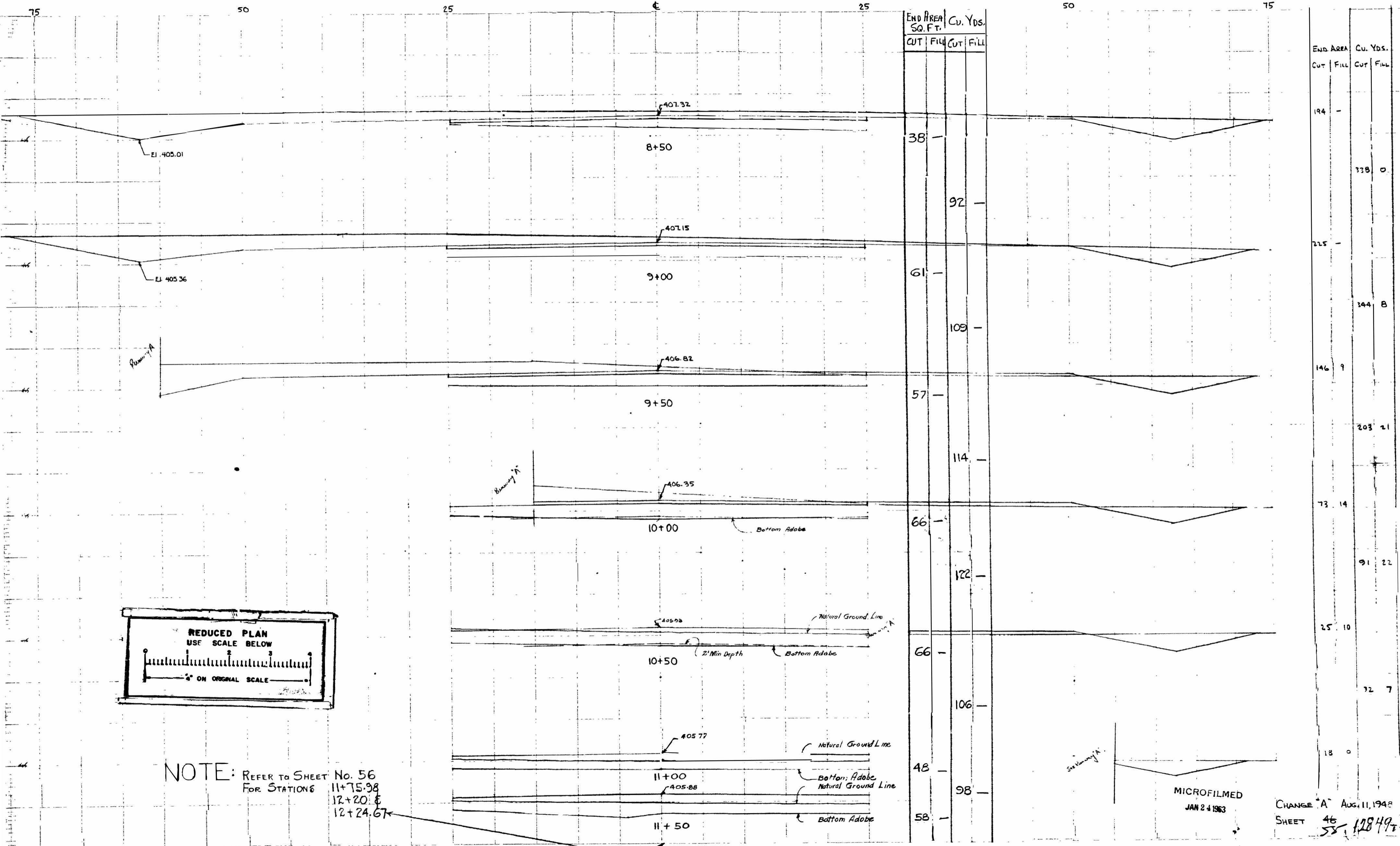
879 Cu. Yds Adobe  
 TOTAL AMOUNT IN TAXIWAY "D"  
 Note: F.B. 1879-36

MICROFILMED  
 JAN 24 1963

CHANGE "A" AUG 11, 1948  
 SHEET 45  
 54 1284 1/2



TAXIWAY "D"



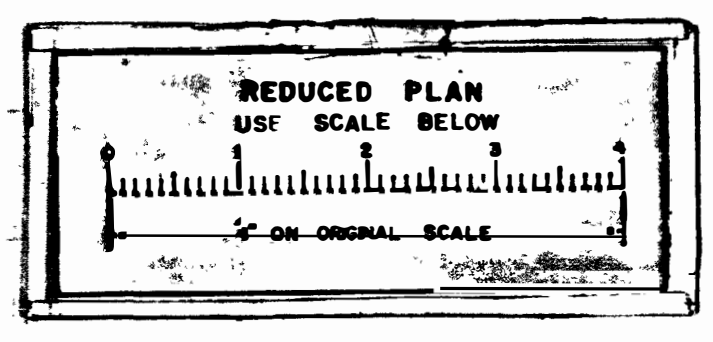
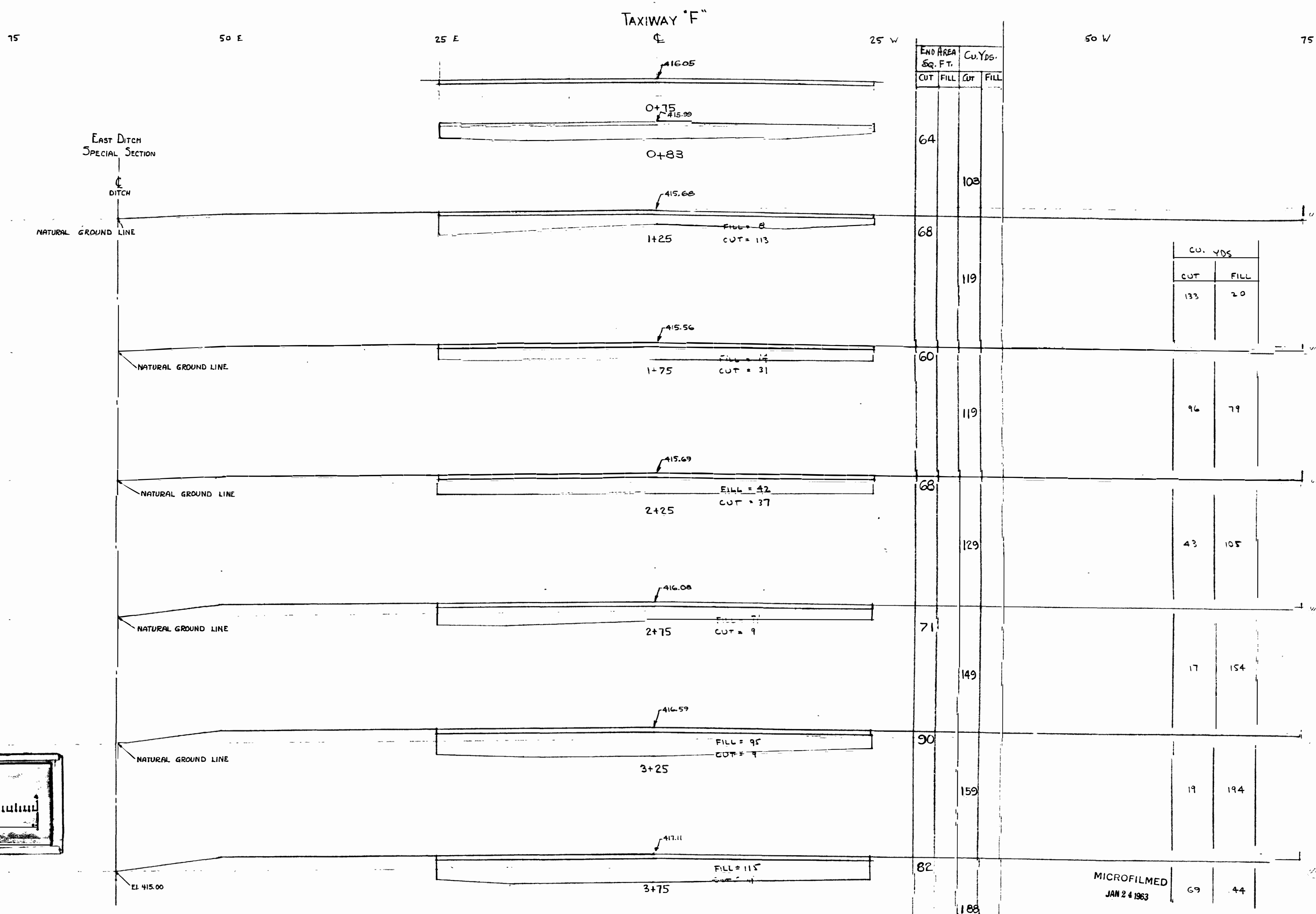
NOTE: REFER TO SHEET No. 56 FOR STATIONS 11+75.98, 12+20.8, 12+24.67

Station	END AREA SQ. FT.		Cu. Yds.	
	CUT	FILL	CUT	FILL
8+50	194	-	-	-
9+00	225	-	338	0
9+50	146	9	344	8
10+00	73	14	203	21
10+50	25	10	91	22
11+00	18	0	32	7

MICROFILMED JAN 24 1963

CHANGE "A" Aug. 11, 1948  
SHEET 46  
58, 12849 L

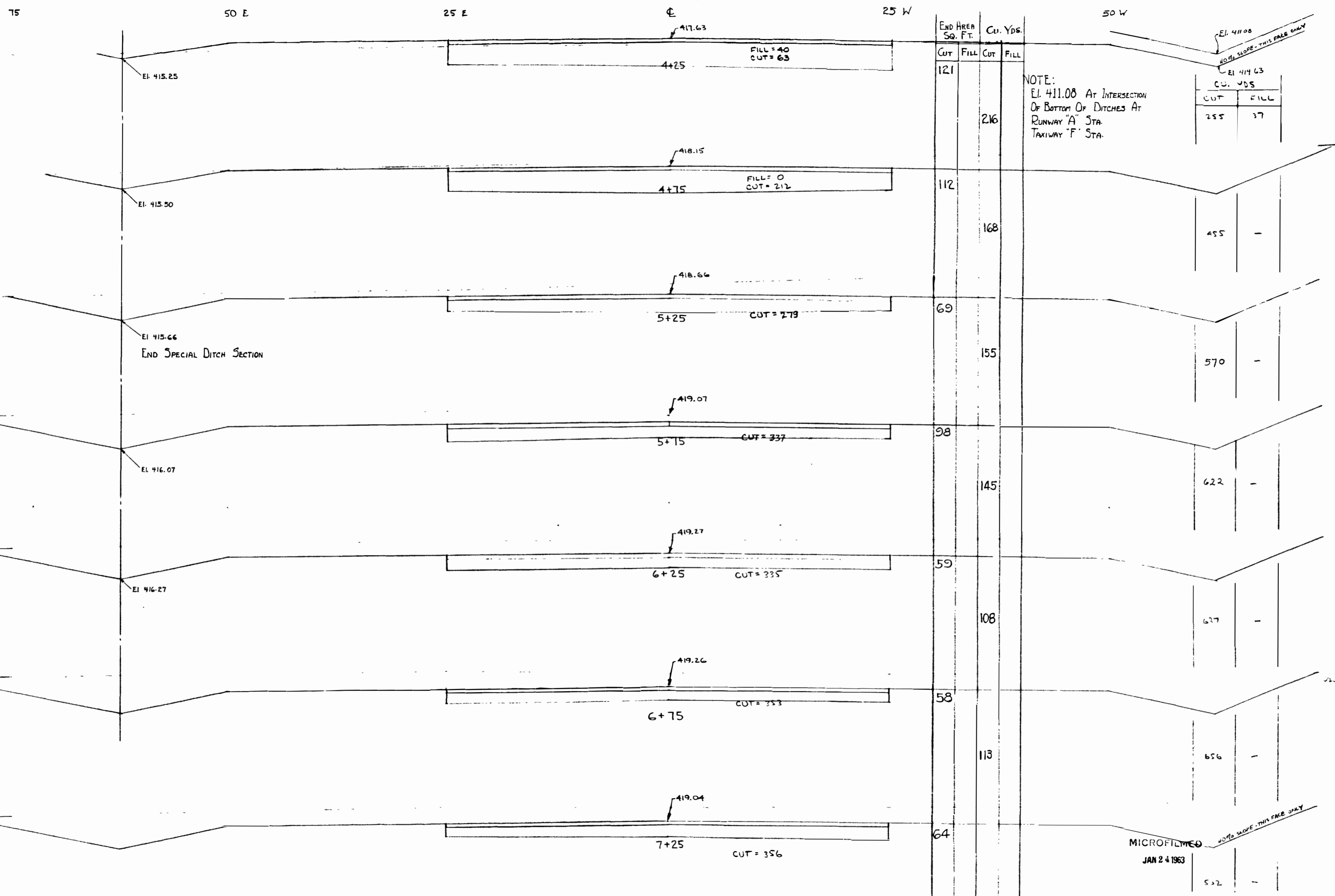




MICROFILMED  
JAN 24 1963

CHANGE "A" August 11, 1948  
SHEET 47  
56 12849-1

# TAXIWAY "F"

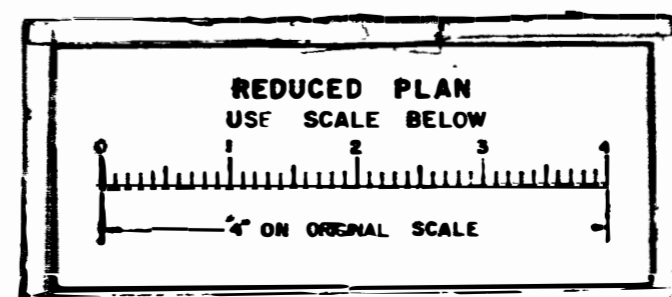


NOTE:  
 EL. 411.08 AT INTERSECTION  
 OF BOTTOM OF DITCHES AT  
 RUNWAY "A" STA.  
 TAXIWAY "F" STA.

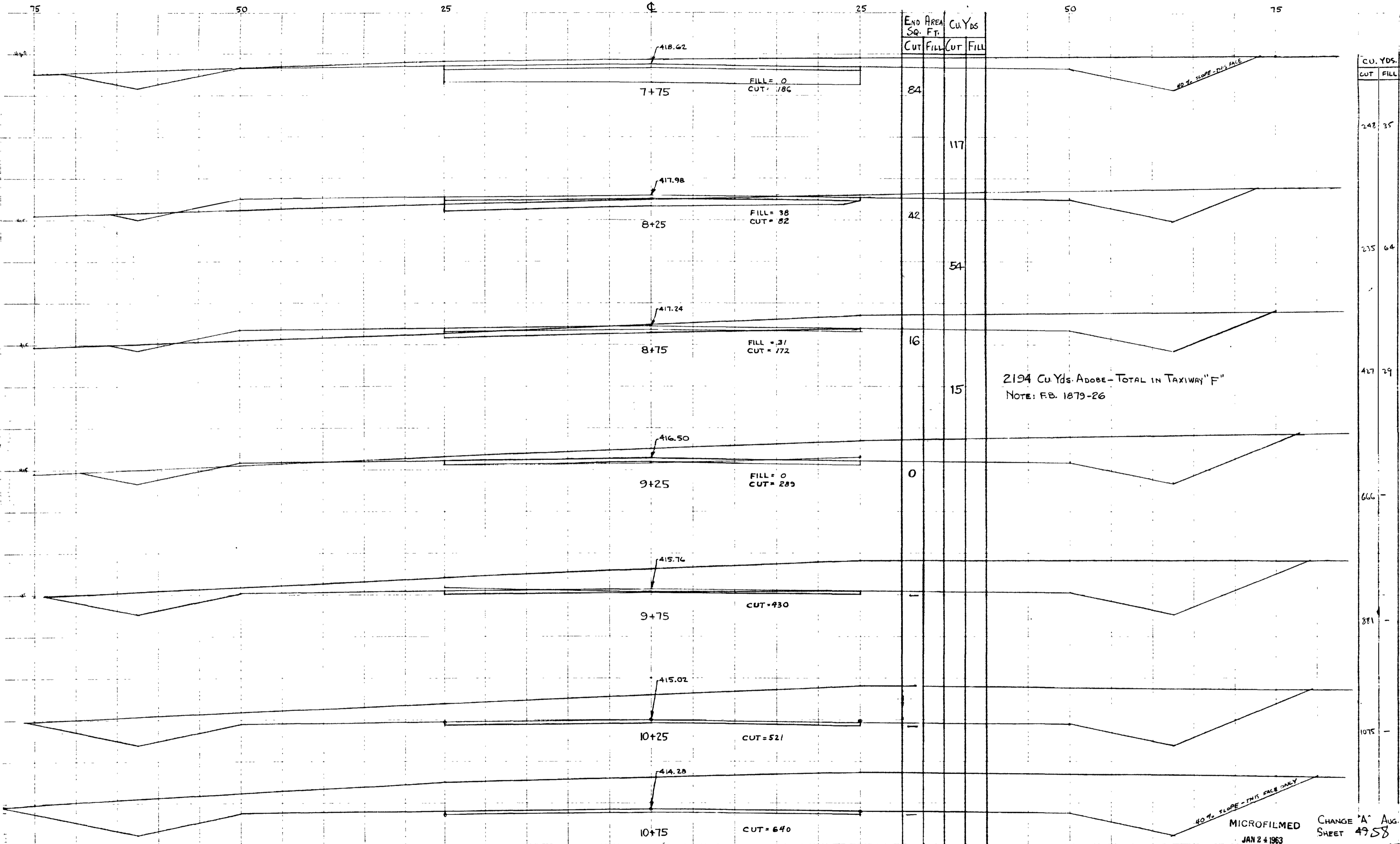
Cu. Yds.	
CUT	FILL
255	37

MICROFILMED  
 JAN 24 1963

CHANGE "A" AUGUST 11, 1948  
 SHEET 48 57



TAXIWAY "F"

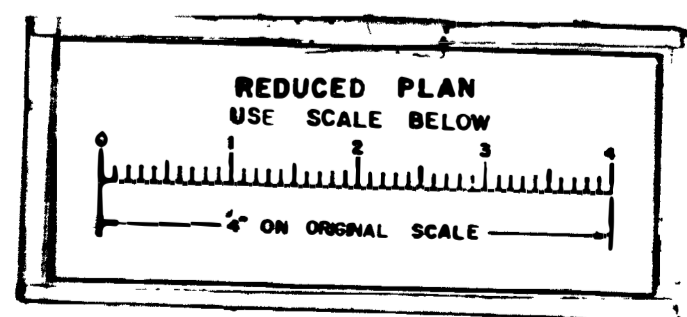


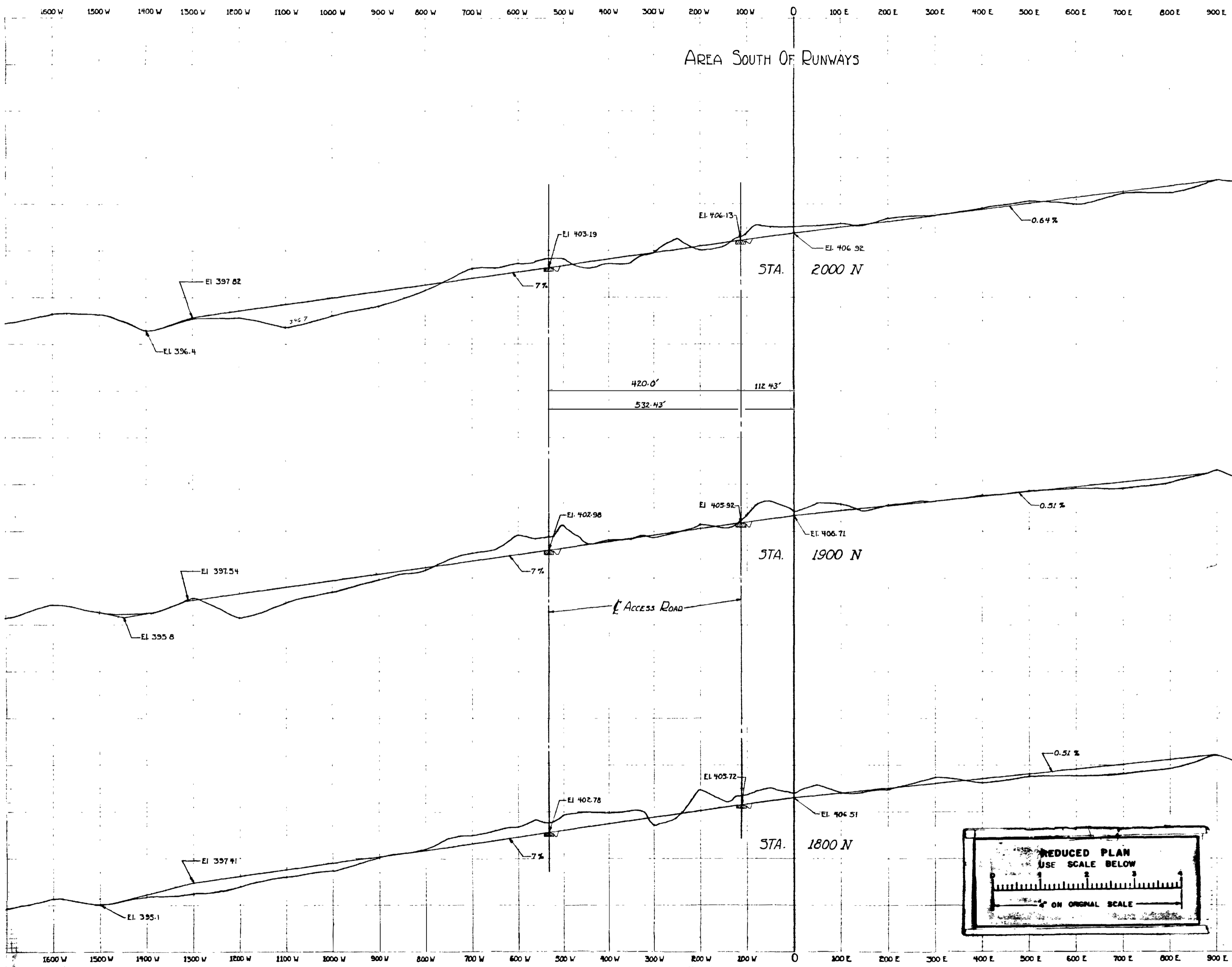
2194 Cu. Yds. Adobe - TOTAL IN TAXIWAY "F"  
NOTE: FB. 1879-26

CU. YDS.	
CUT	FILL
248	35
235	64
417	29
666	
381	
1075	

CUT = 7606  
FILL = 861  
WASTE = 6659  
FILL = 1291 = 947

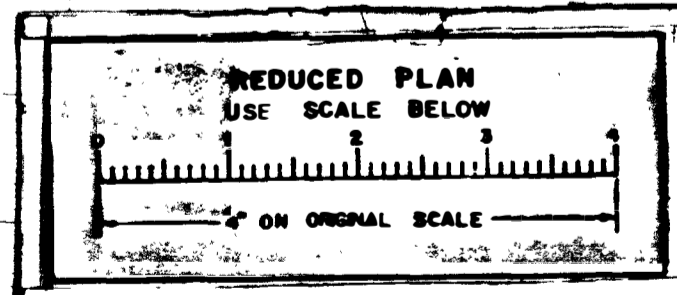
MICROFILMED  
JAN 24 1963  
CHANGE "A" AUG. 11, 1948  
SHEET 4958  
12849-6





AREA SOUTH OF RUNWAYS

END AREA Sq. Ft.	Cu. Yds.	
	CUT	FILL
	2370	3838
495	1080	
	2139	3454
660	785	
	2982	3102
950	890	



MICROFILMED  
JAN 24 1963

CHANGE 'A' Aug. 11, 1948  
SCALE: HORIZONTAL - 1" = 100'  
VERTICAL - 1" = 5'  
SHEET 5059

2849

KLEINFELDER & ESSER CO  
NEW YORK

STANDARD  
NEW YORK  
CROSS SECTION 10 X 10  
SCALE 1/4" = 1'

KLEINFELDER & ESSER CO  
NEW YORK

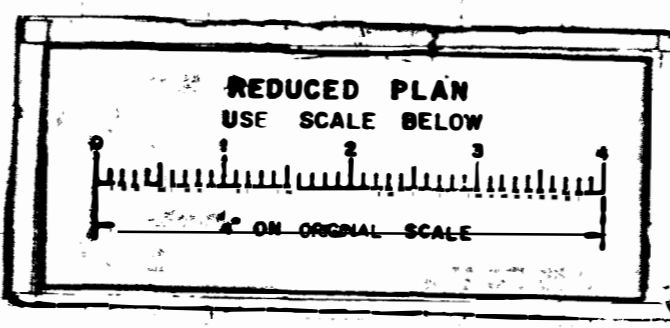
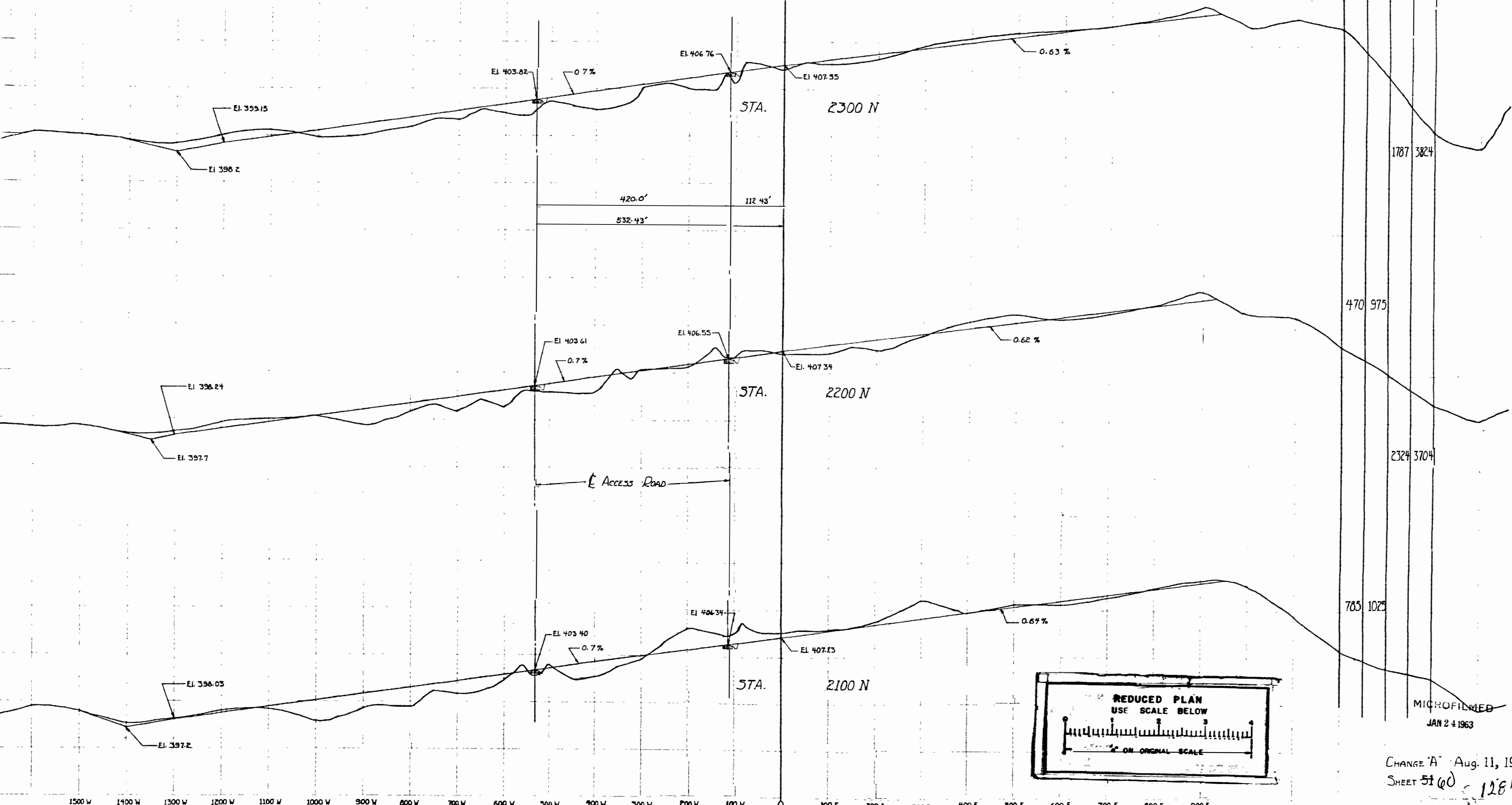
STANDARD  
NEW YORK  
CROSS SECTION 10 X 10  
SCALE 1/4" = 1'



1300 W 1200 W 1100 W 1000 W 900 W 800 W 700 W 600 W 500 W 400 W 300 W 200 W 100 W 0 100 E 200 E 300 E 400 E 500 E 600 E 700 E 800 E 900 E

AREA SOUTH OF RUNWAYS

END AREA		Cu. Yds.	
CUT	FILL	CUT	FILL
		1741	3556
495	1090		
		1787	3824
470	975		
		2324	3704
785	1025		

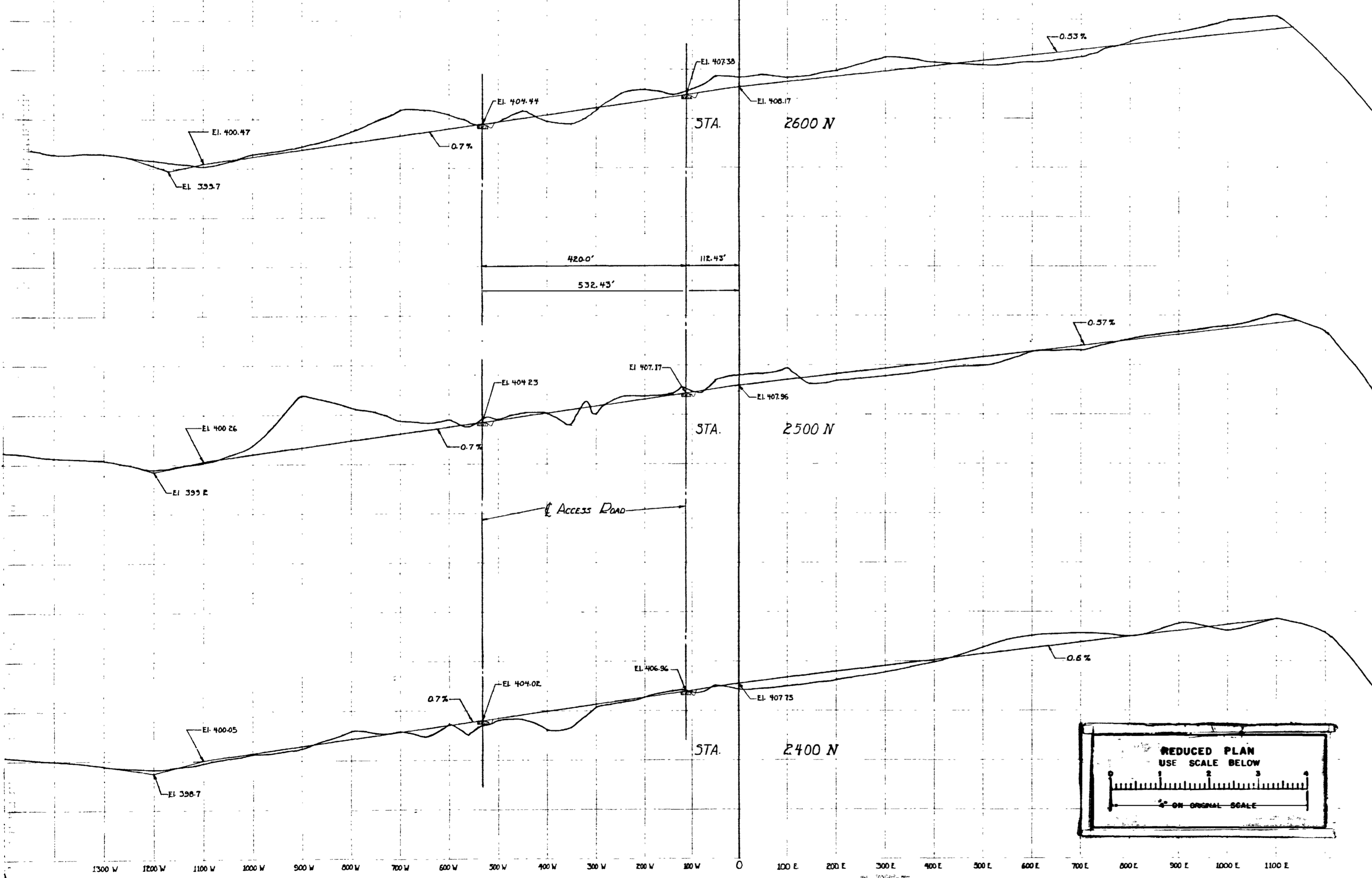


MICROFILMED  
JAN 24 1963

CHANGE 'A' Aug. 11, 1948  
SHEET 5100 12849-L

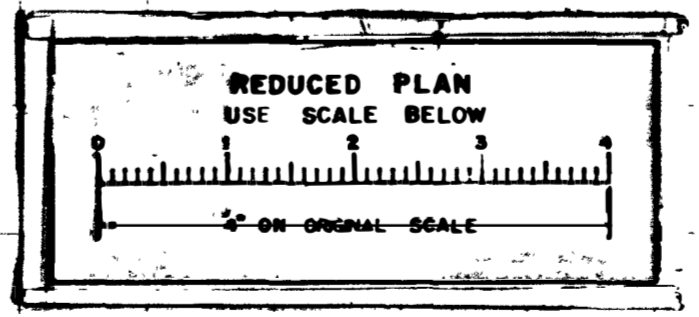
1300 W 1200 W 1100 W 1000 W 900 W 800 W 700 W 600 W 500 W 400 W 300 W 200 W 100 W 0 100 E 200 E 300 E 400 E 500 E 600 E 700 E 800 E 900 E 1000 E 1100 E

AREA SOUTH OF RUNWAYS

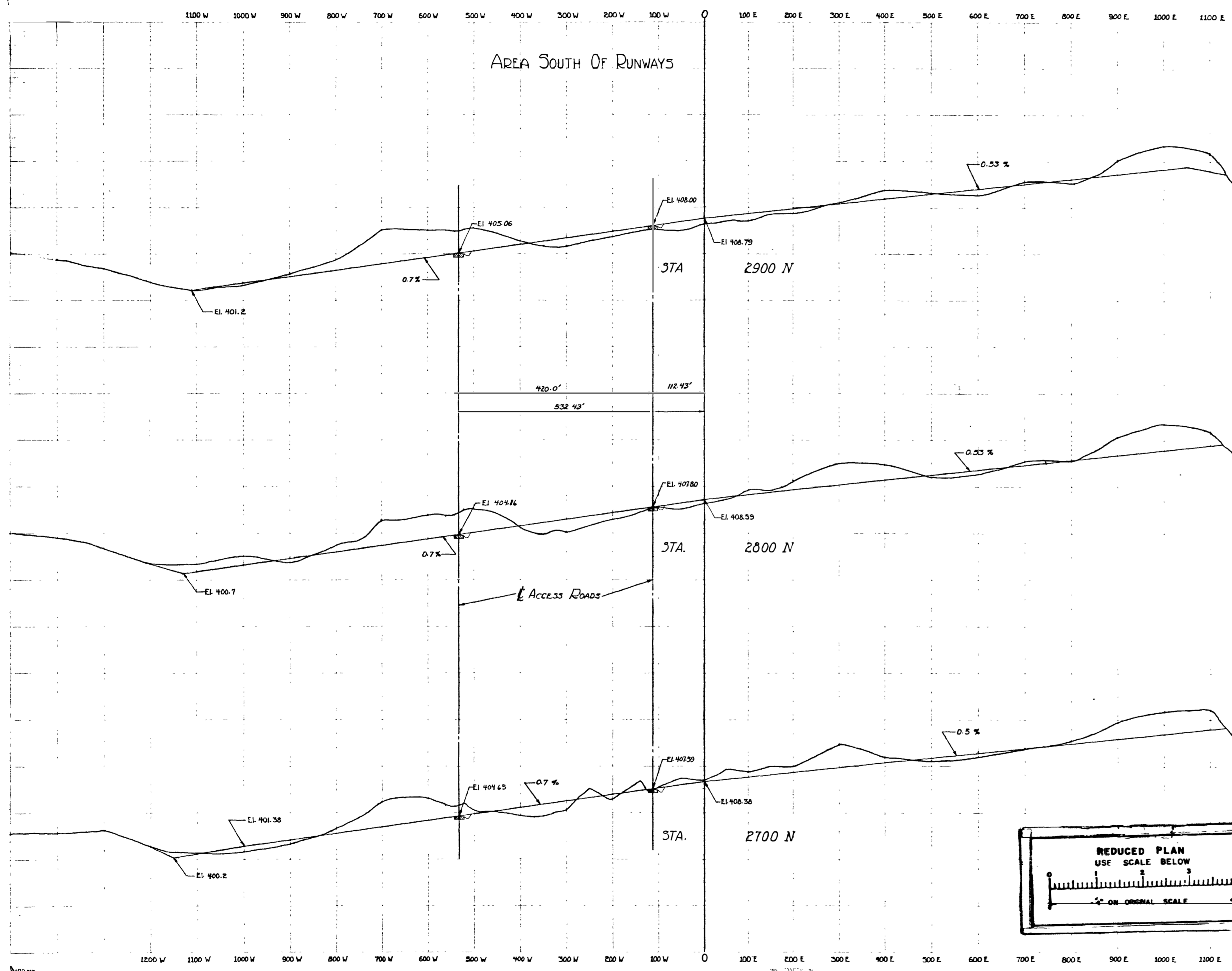


END AREA Sq Ft	Cu Yds.	
	CUT	FILL
	6296	1213
1595	300	
	5806	1361
1540	435	
	3676	2343
445	830	

CUT-----29121 Cu Yds.  
 FILL-----26455 Cu Yds.  
 FILL+10%--29100 Cu Yds.  
 WASTE-----21 Cu Yds.

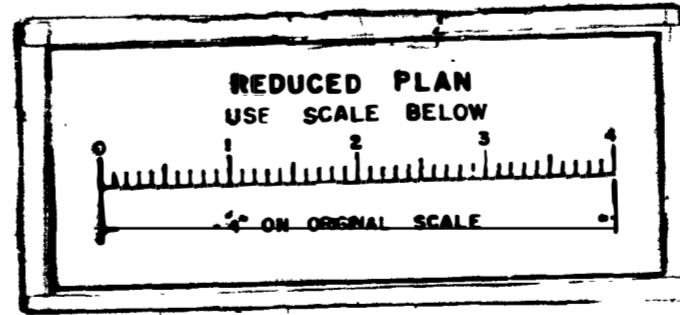


MICROFILMED  
 JAN 24 1963  
 CHANGE 'A' AUG 11, 1948  
 SHEET 52  
 12849-L



END AREA Sq. Ft.	Cu. Yds.	
	CUT	FILL
1750	530	
2215	415	
1805	355	
	7343	11750
	7445	1426

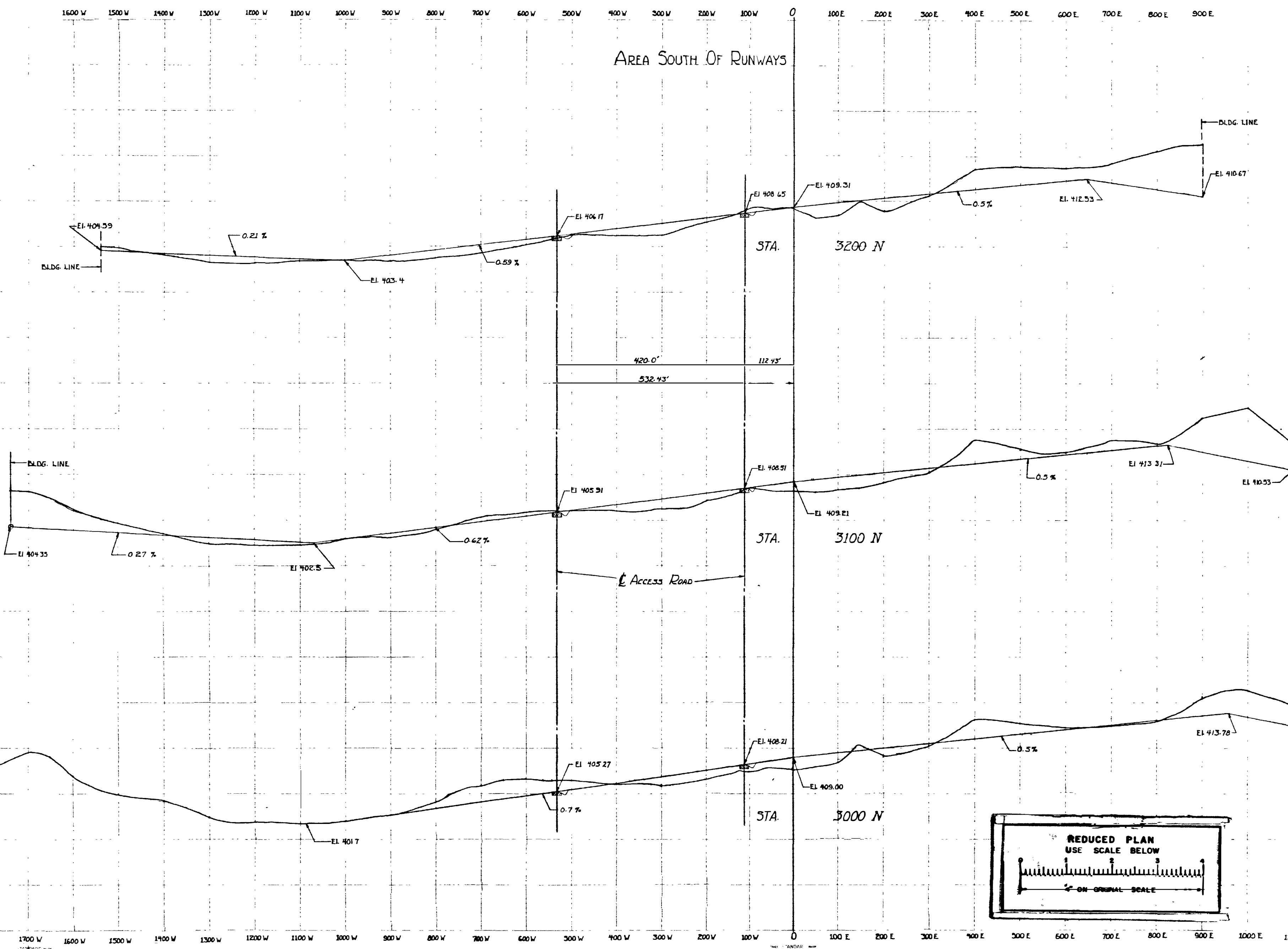
CUT 46887 Cu. Yds.  
 FILL 18531 Cu. Yds.  
 FILL + 10% 20406 Cu. Yds.  
 WASTE 26481 Cu. Yds.



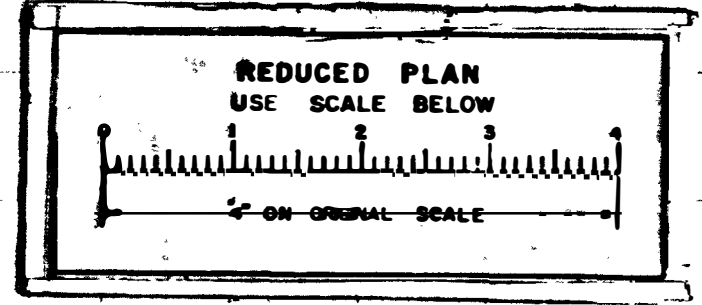
MICROFILMED  
 JAN 24 1963

CHANGE 'A' Aug. 11, 1948  
 SHEET 53  
 12849-1

AREA SOUTH OF RUNWAYS



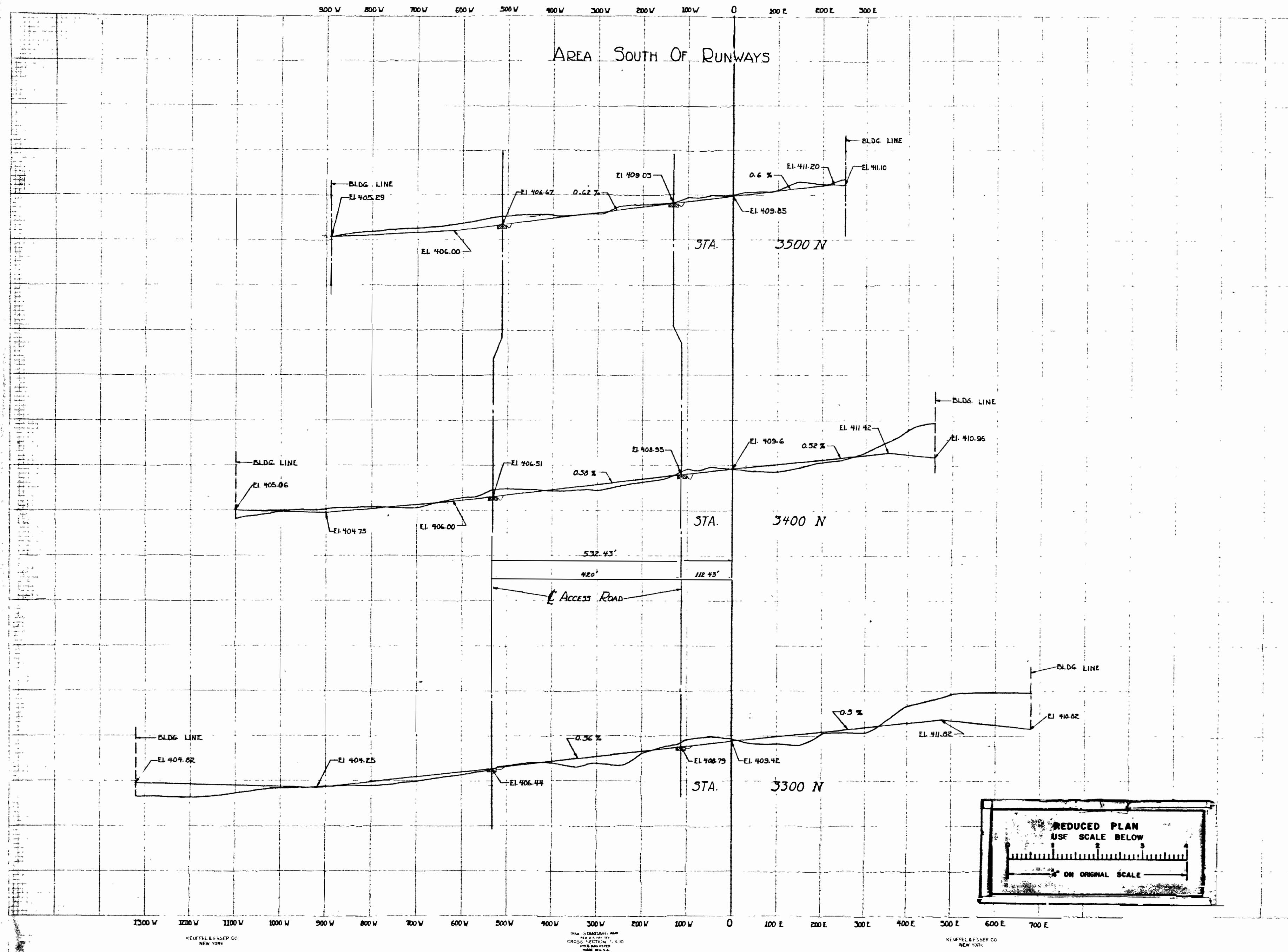
END AREA		Cu Yds	
CUT	FILL	CUT	FILL
1560	1110	3732	3639
2400	985	7334	3880
1565	575	7343	2889



MICROFILMED  
JAN 24 1963

CHANGE 'A' Aug. 11, 19-8.  
SHEET 54  
03 12849-15



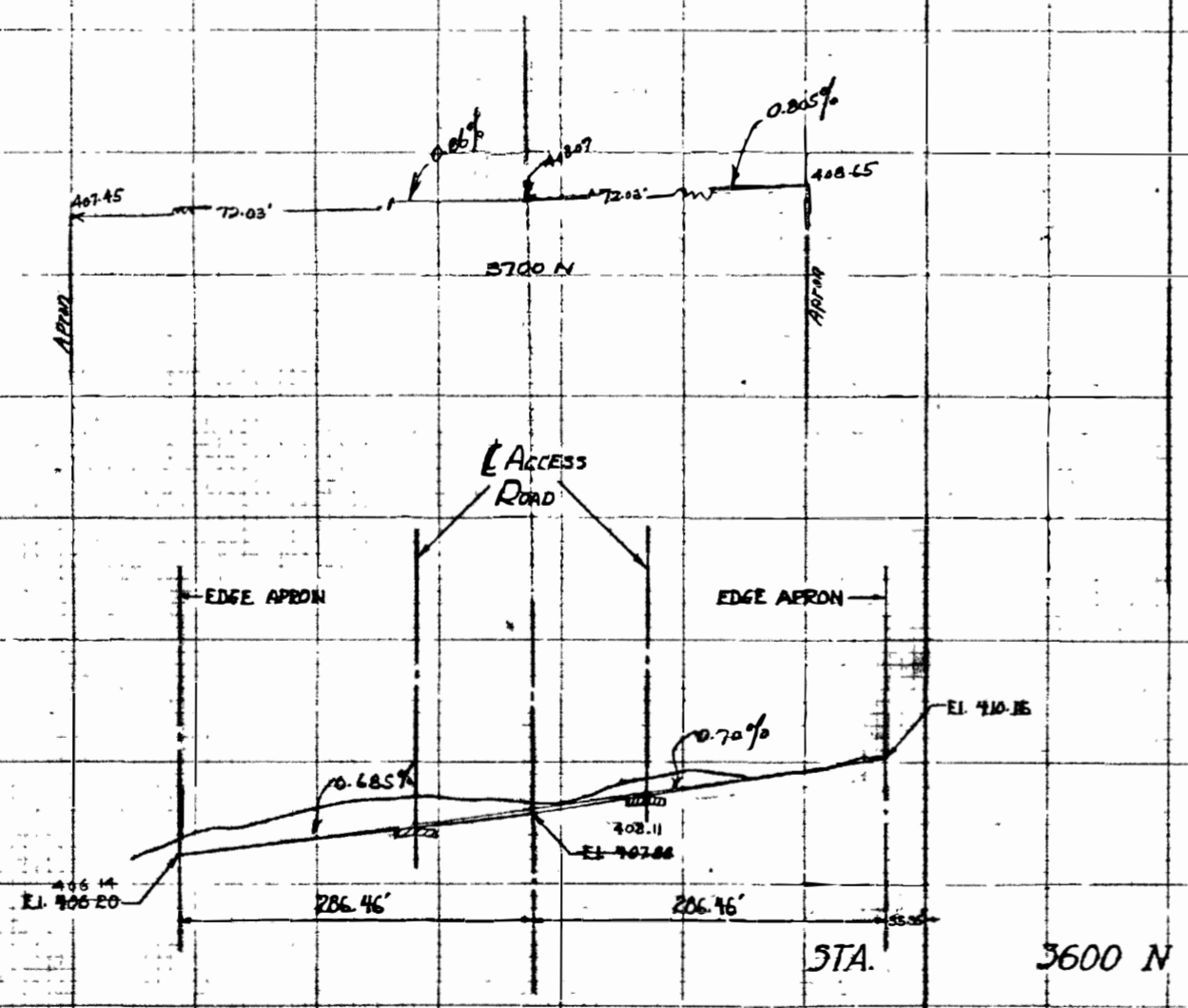
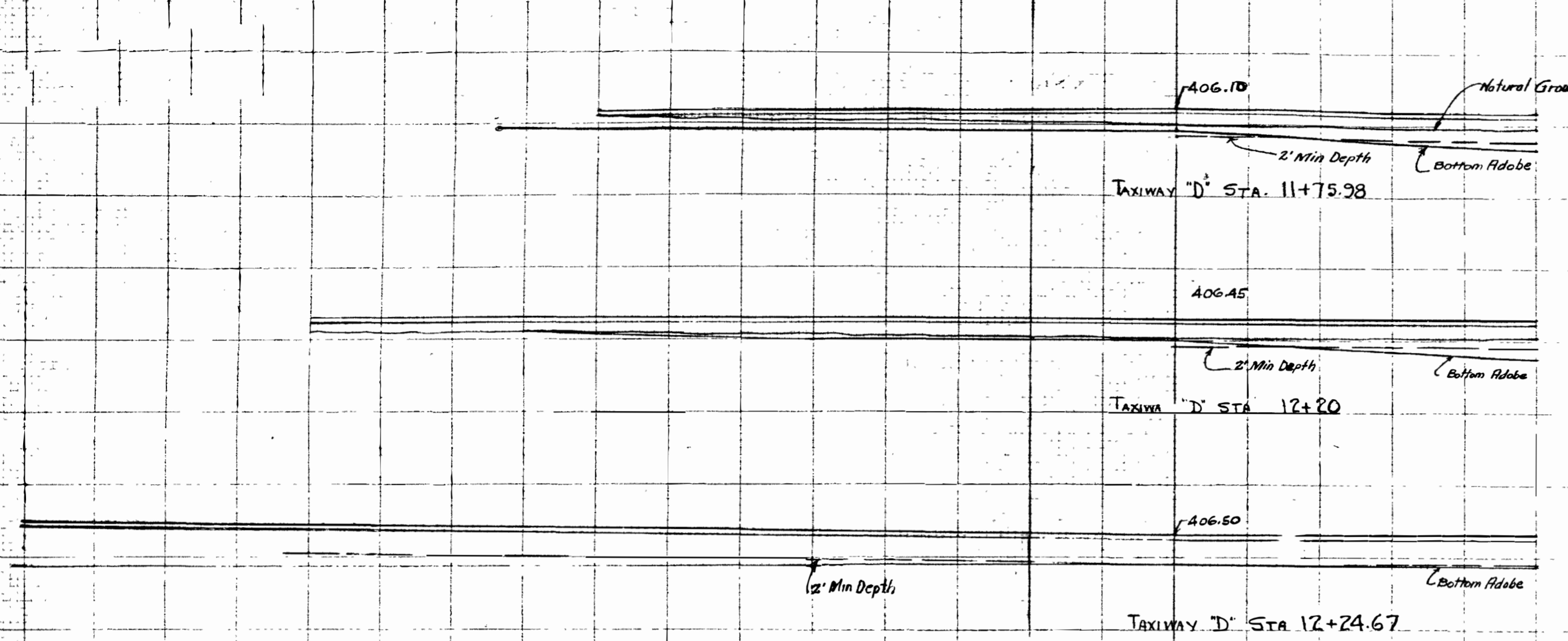


END AREA Sq. Ft.	Cu Yds.	
	CUT	FILL
		1732 2
460	1	
		1770 669
500	360	
		2880 2250
1055	855	

MICROFILMED  
JAN 24 1969

CHANGE 'A' Aug 11, 1946  
SHEET 53  
64-12879-1

10' 20' 30' 40' 50' 60' 70' 80' 90' 100' 110' 120' 130' 140' 150' 160' 170' 180' 190' 200'

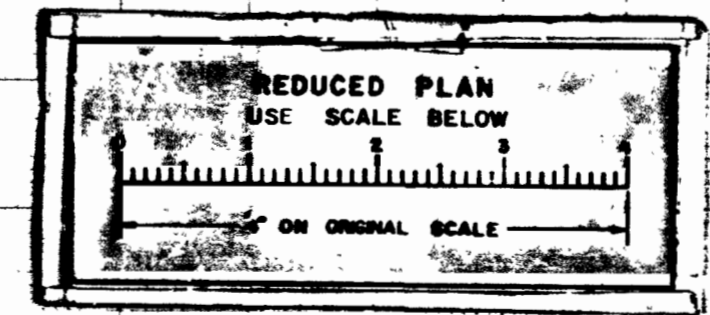


END AREA		Cu. Yds.	
Cut	Fill	Cut	Fill

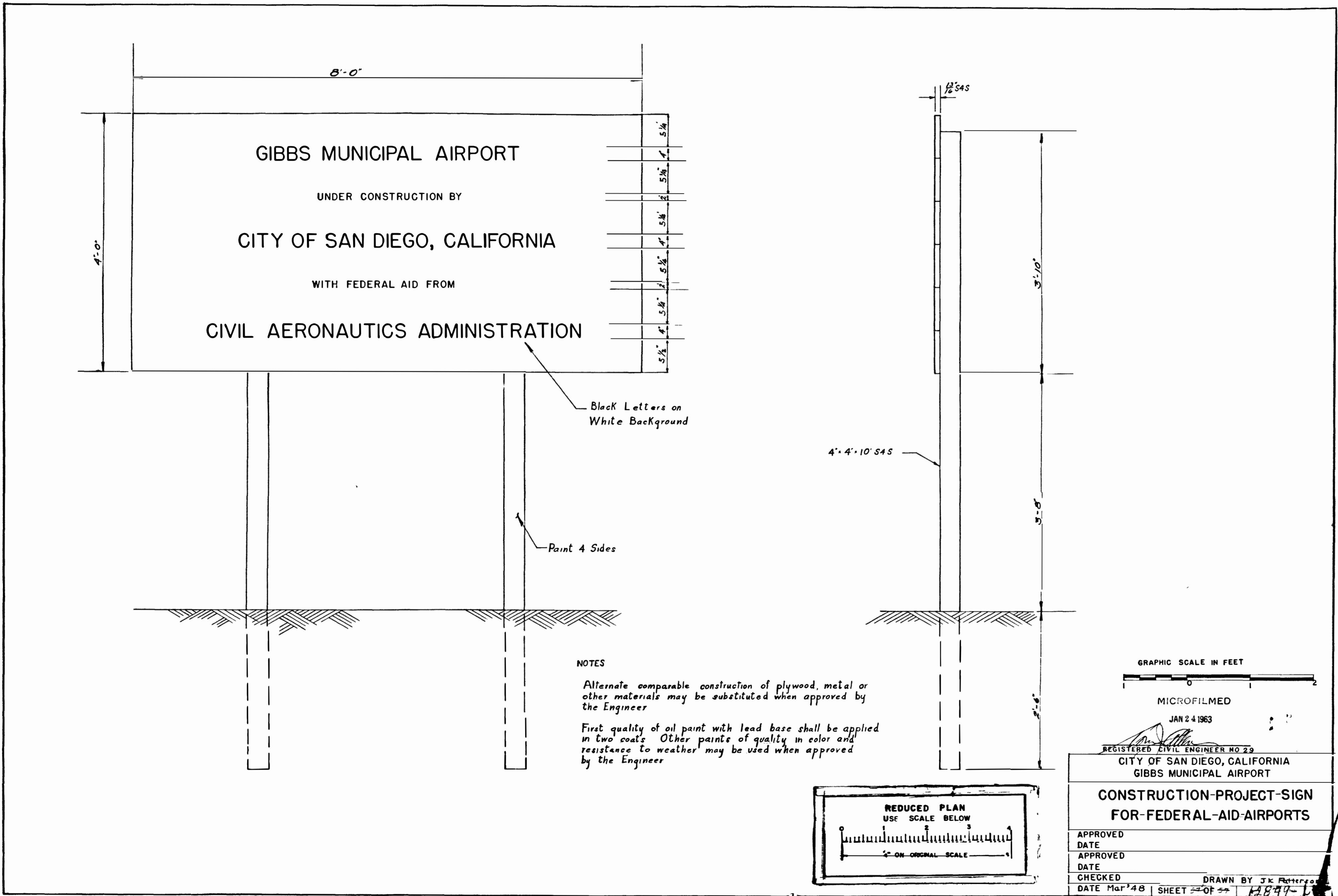
132' TO EDGE OF APRON	0	-	
	475	0	1161

TOTAL QUANTITIES  
for  
LAND AREA SOUTH OF RUNWAYS

CUT	76008	Cu. Yds.
FILL	45006	Cu. Yds.
FILL +10%	49507	Cu. Yds.
WASTE	26501	Cu. Yds.



MICROFILMED  
JAN 24 1963  
CHANGE 'A' AUG 11, 1948  
SHEET 26  
12849-6



**GIBBS MUNICIPAL AIRPORT**  
 UNDER CONSTRUCTION BY  
**CITY OF SAN DIEGO, CALIFORNIA**  
 WITH FEDERAL AID FROM  
**CIVIL AERONAUTICS ADMINISTRATION**

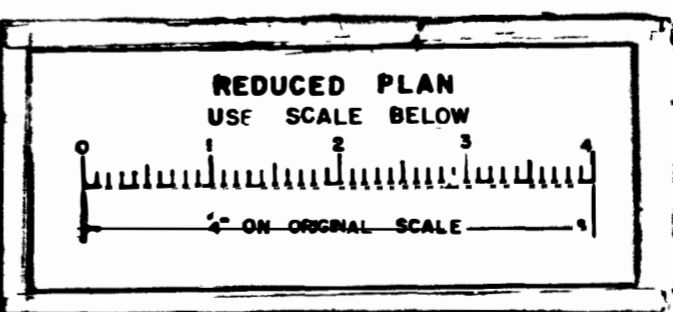
Black Letters on White Background

Paint 4 Sides

**NOTES**

Alternate comparable construction of plywood, metal or other materials may be substituted when approved by the Engineer

First quality of oil paint with lead base shall be applied in two coats. Other paints of quality in color and resistance to weather may be used when approved by the Engineer



MICROFILMED  
JAN 24 1963

*[Signature]*  
 REGISTERED CIVIL ENGINEER NO. 29  
 CITY OF SAN DIEGO, CALIFORNIA  
 GIBBS MUNICIPAL AIRPORT

**CONSTRUCTION-PROJECT-SIGN  
FOR-FEDERAL-AID-AIRPORTS**

APPROVED	
DATE	
APPROVED	
DATE	
CHECKED	DRAWN BY J.K. PETERSON
DATE Mar '48	SHEET 22 OF 22 12849-1

15945-119100

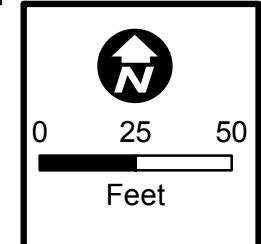


L 32428

AERO DR

AERO DR

714 1000 AL 3ØCN 592'



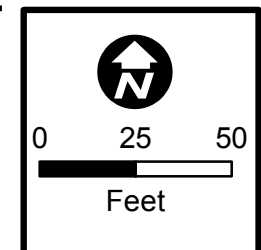
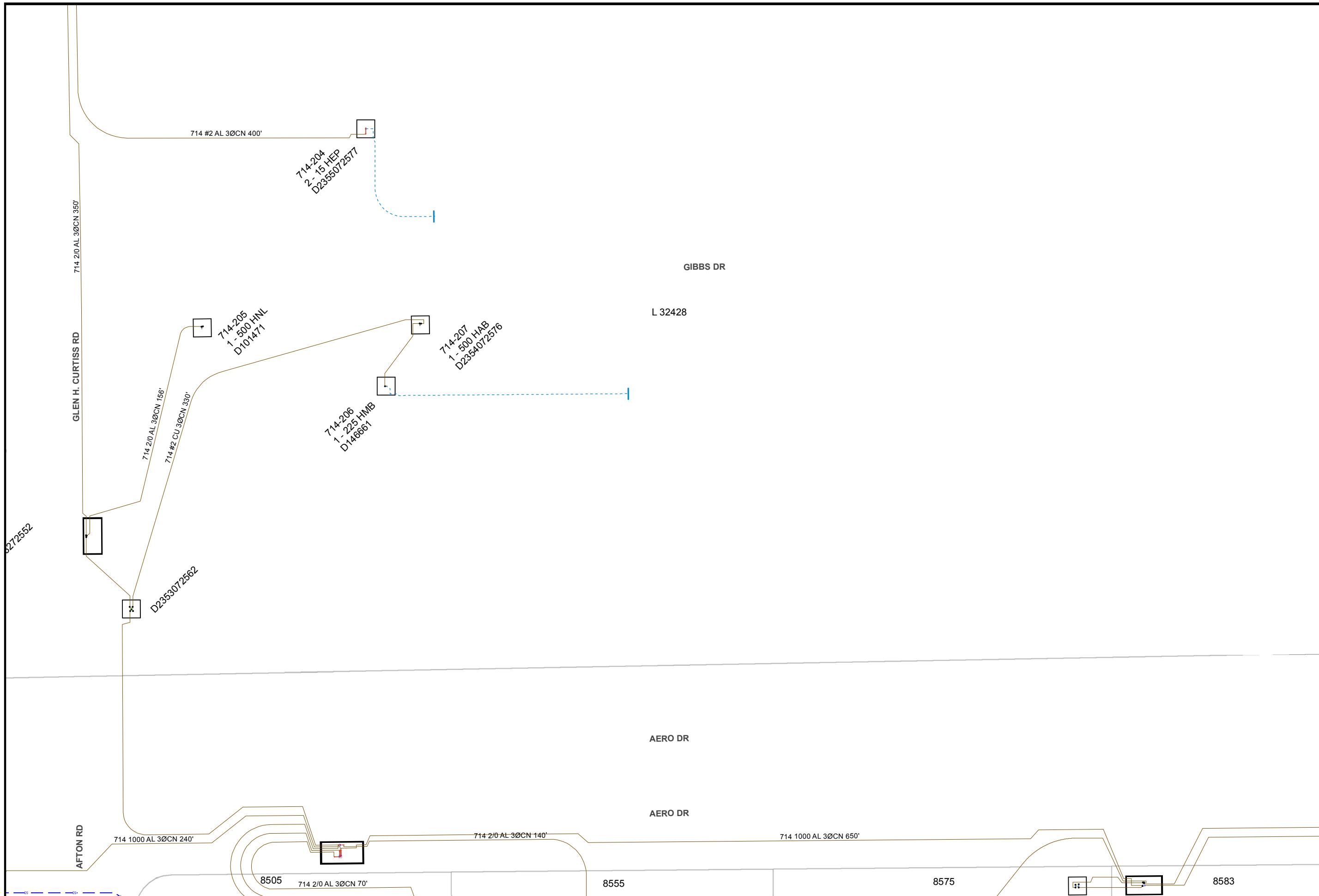
Map Number: 15952-119100
Map Type: <b>Electric Asset Map</b>
Printed By: CORP/ISBarton2
Printed Date: 6/13/2018

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15960-119100



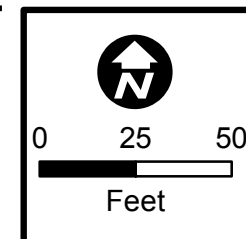
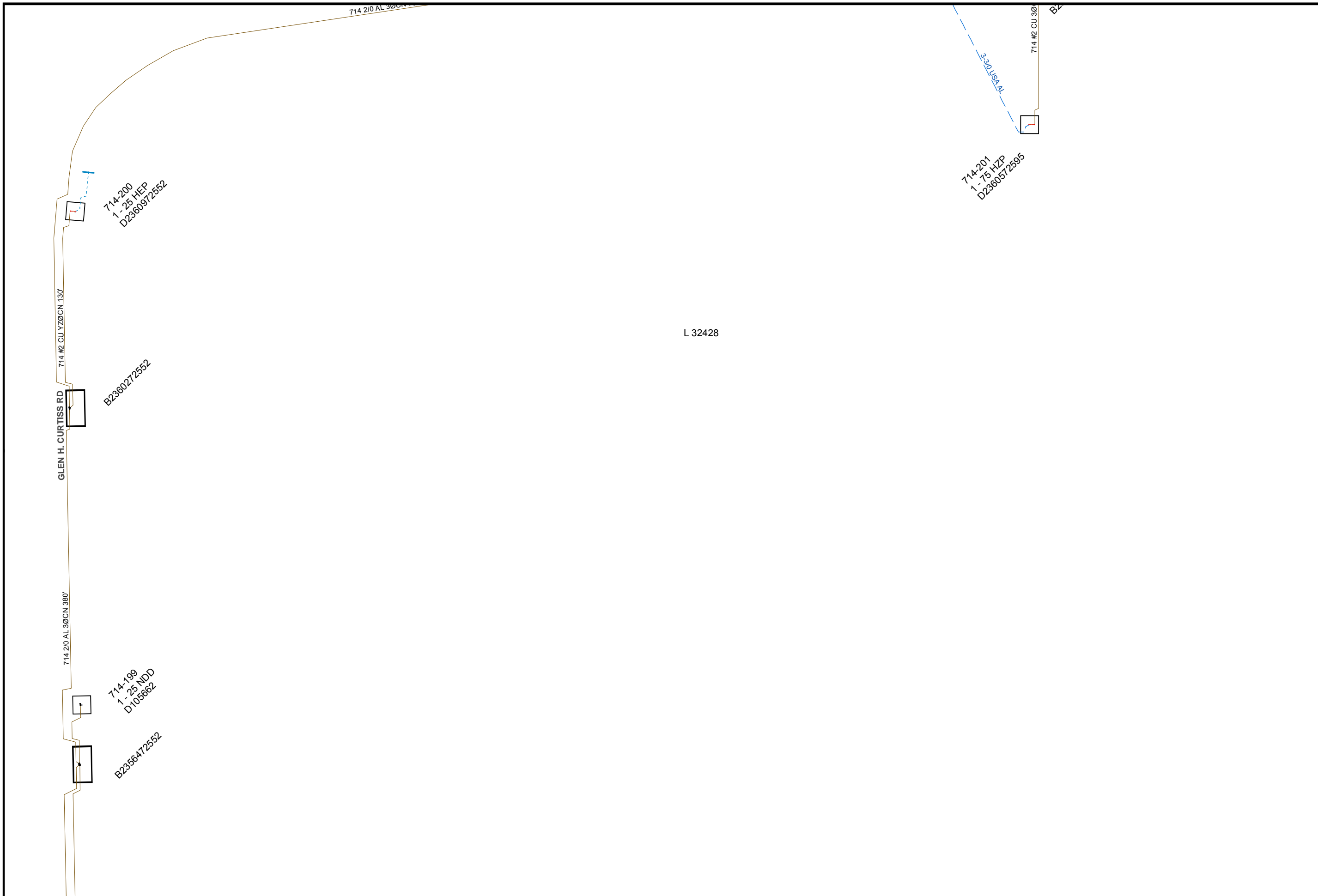


Map Number: 15960-119100
Map Type: <b>Electric Asset Map</b>
Printed By: CORPISBarton2
Printed Date: 6/13/2018

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15967-119100



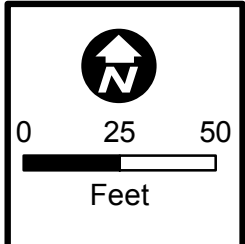
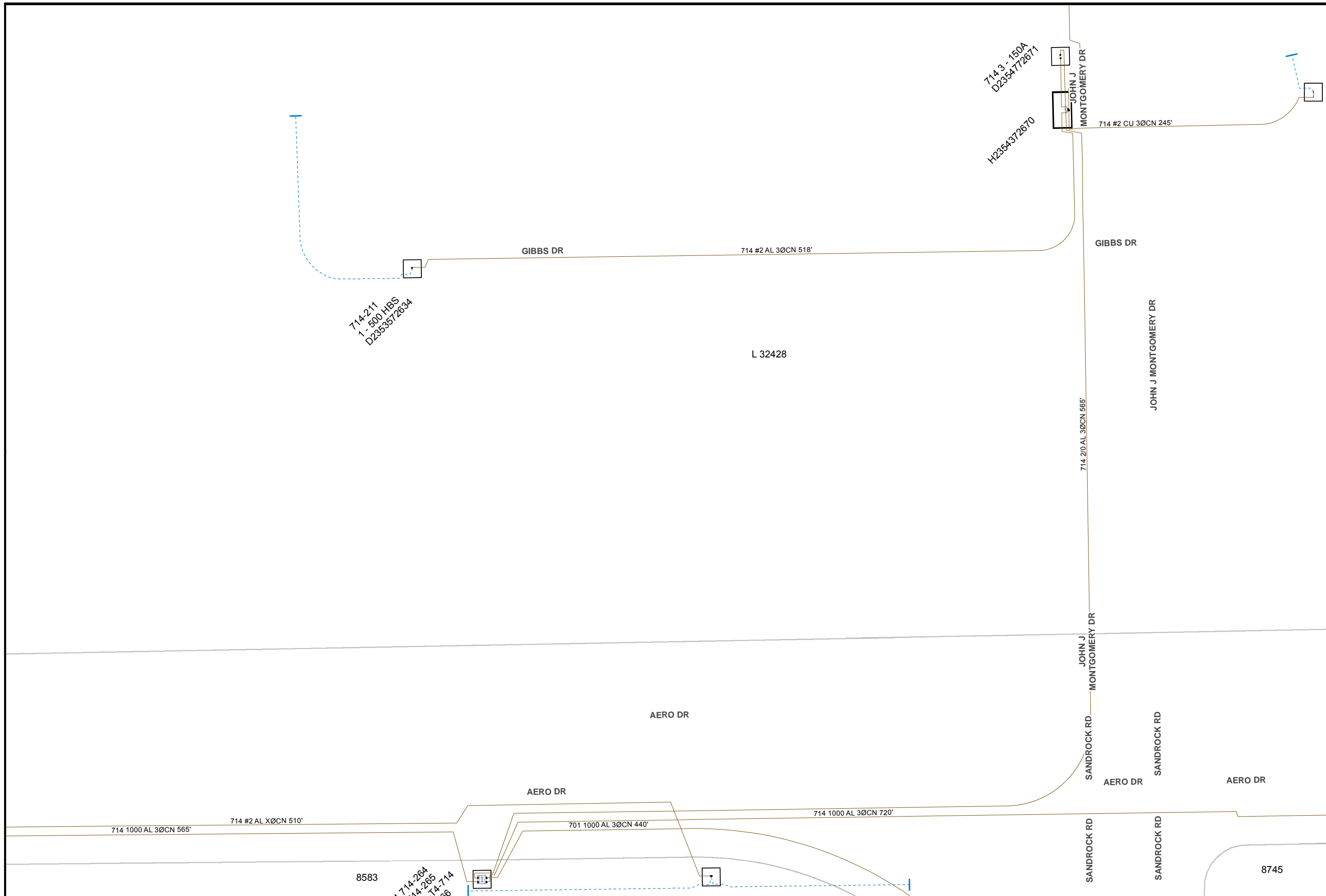
Map Number: 15960-119105
Map Type: <b>Electric Asset Map</b>
Printed By: CORPISBarton2
Printed Date: 6/13/2018

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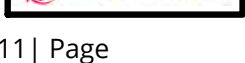
15952-119105

15967-119105



Map Number: 15967-119100
Map Type: <b>Electric Asset Map</b>
Printed By: CORPISBarton2
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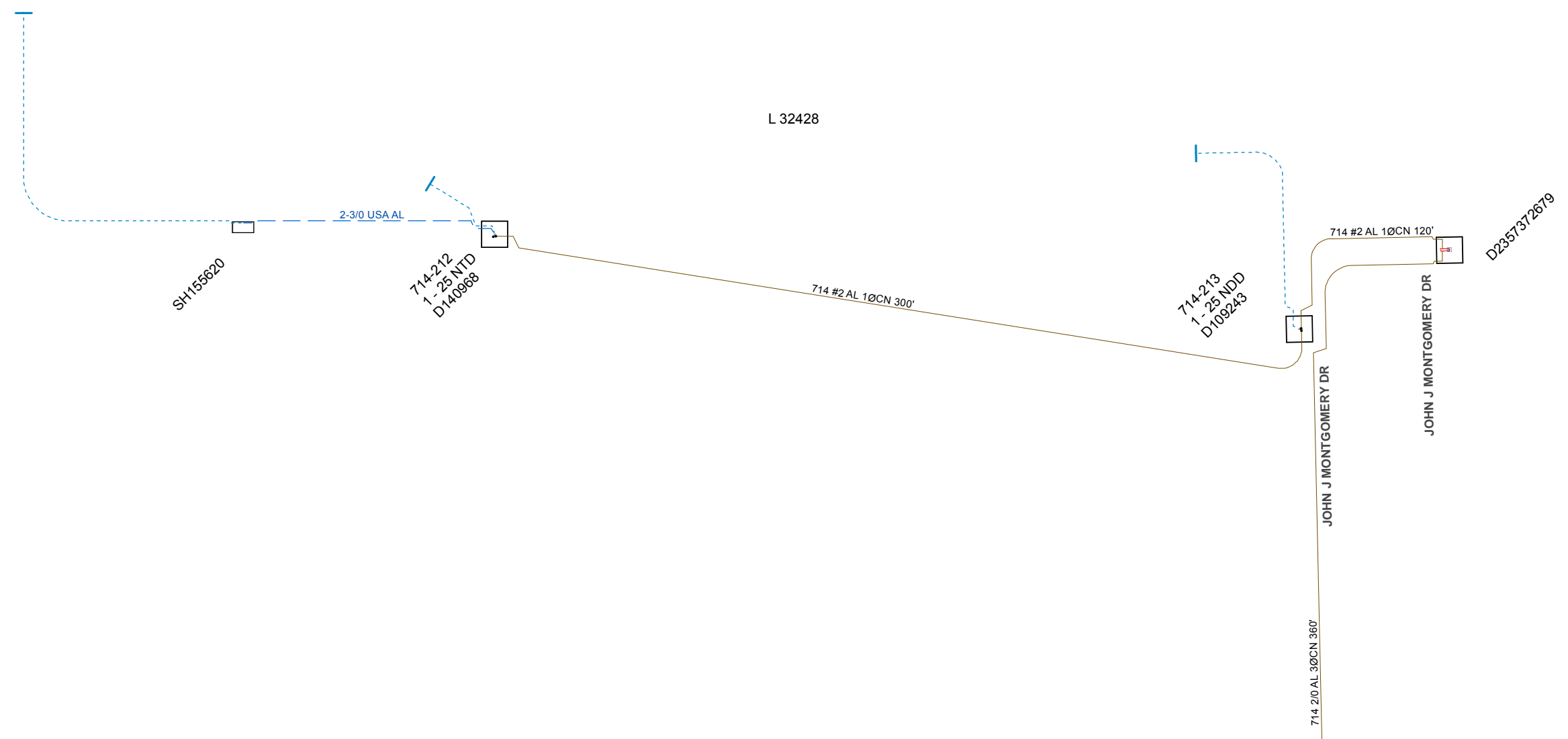
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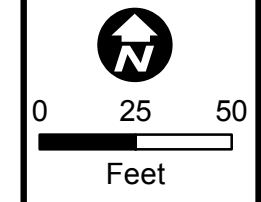
15960-119100

15975-119100

15960-119105



L 32428



Map Number: 15967-119105
Map Type: <b>Electric Asset Map</b>
Printed By: CORP/ISBarton2
Printed Date: 6/13/2018

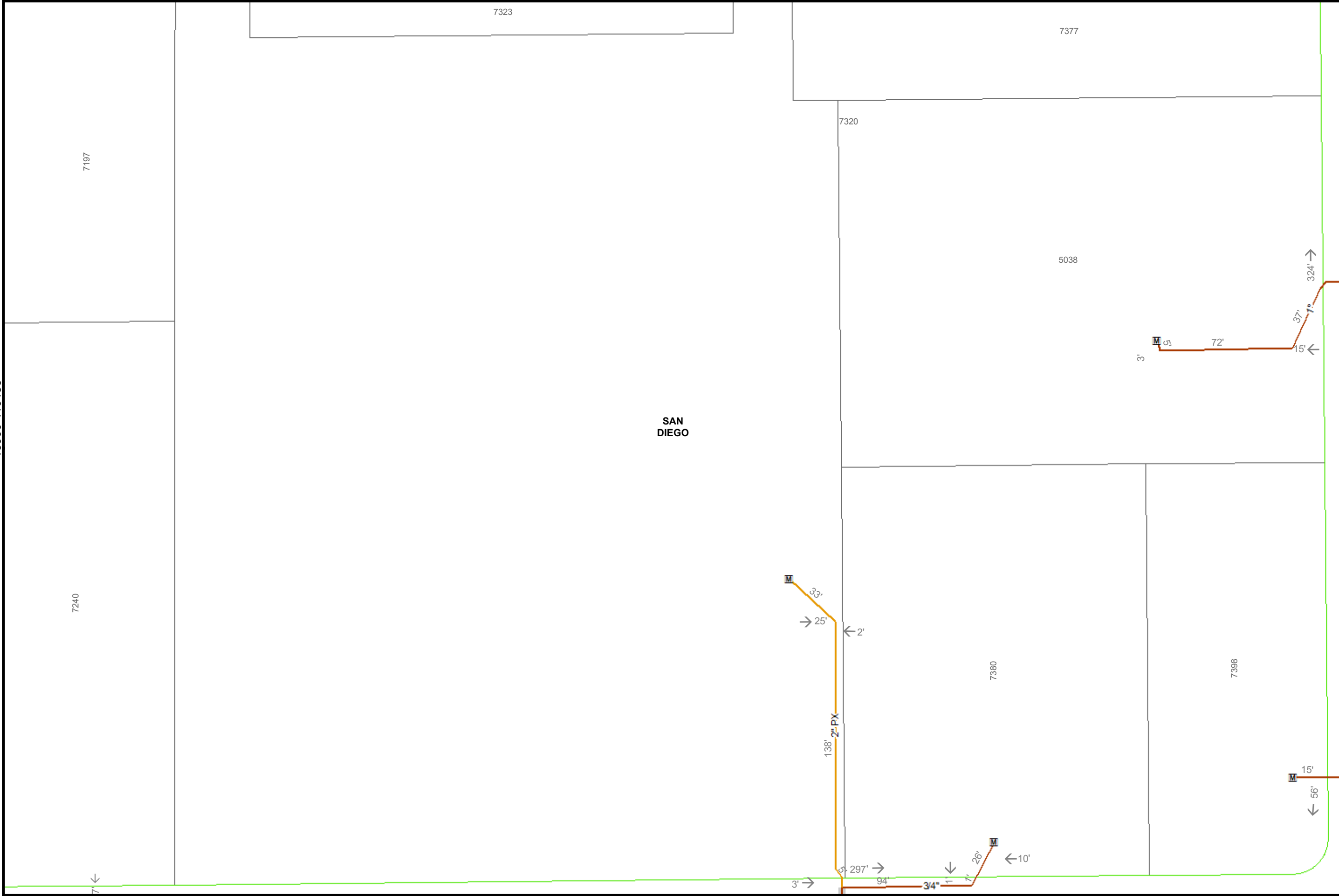
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15975-119105



15900-119185



15907-119190

15907-119180



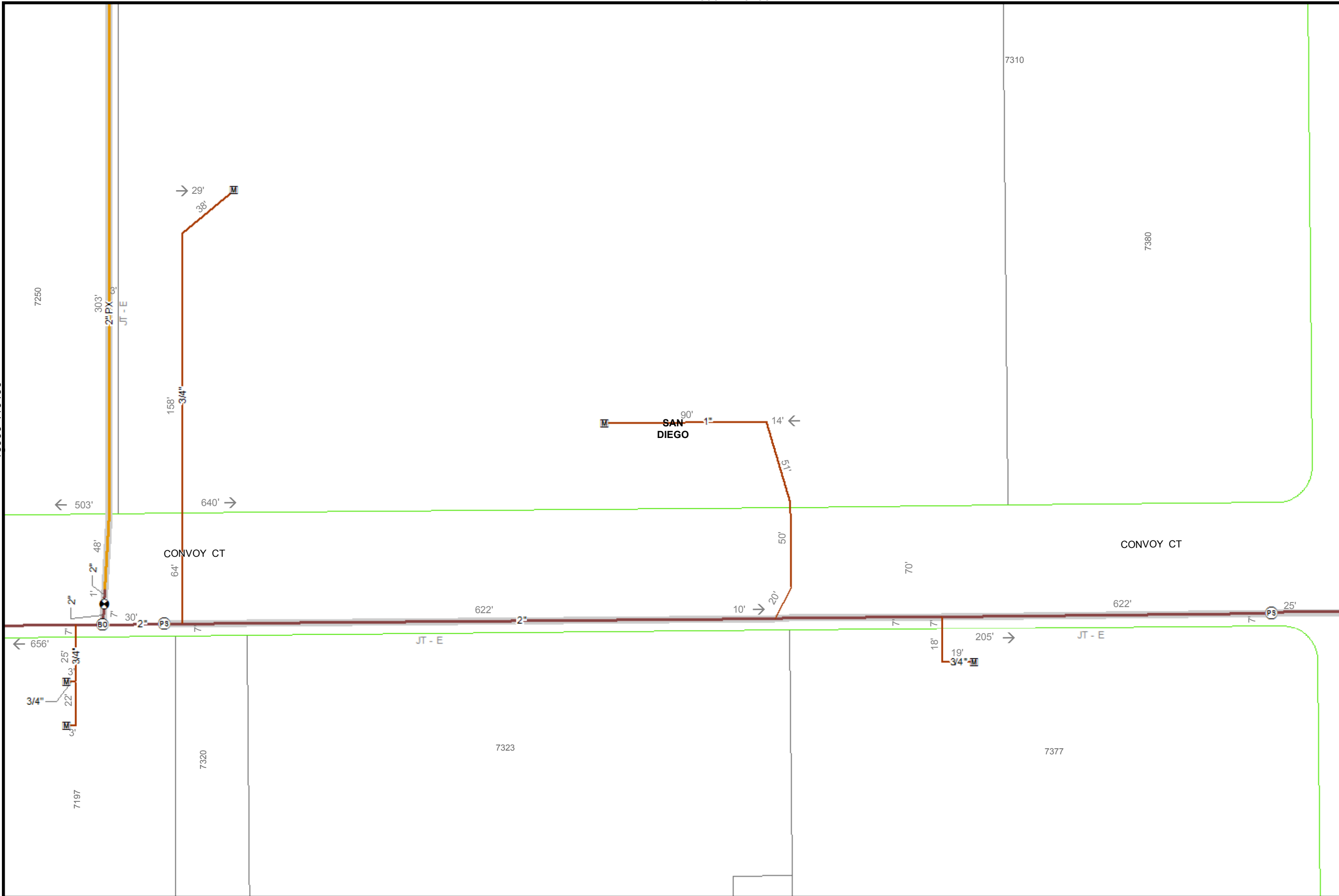
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Map Number:	15907-119185
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15915-119185



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Feet

Map Number: 15907-119190

Map Type: Gas Asset Map

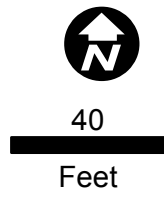
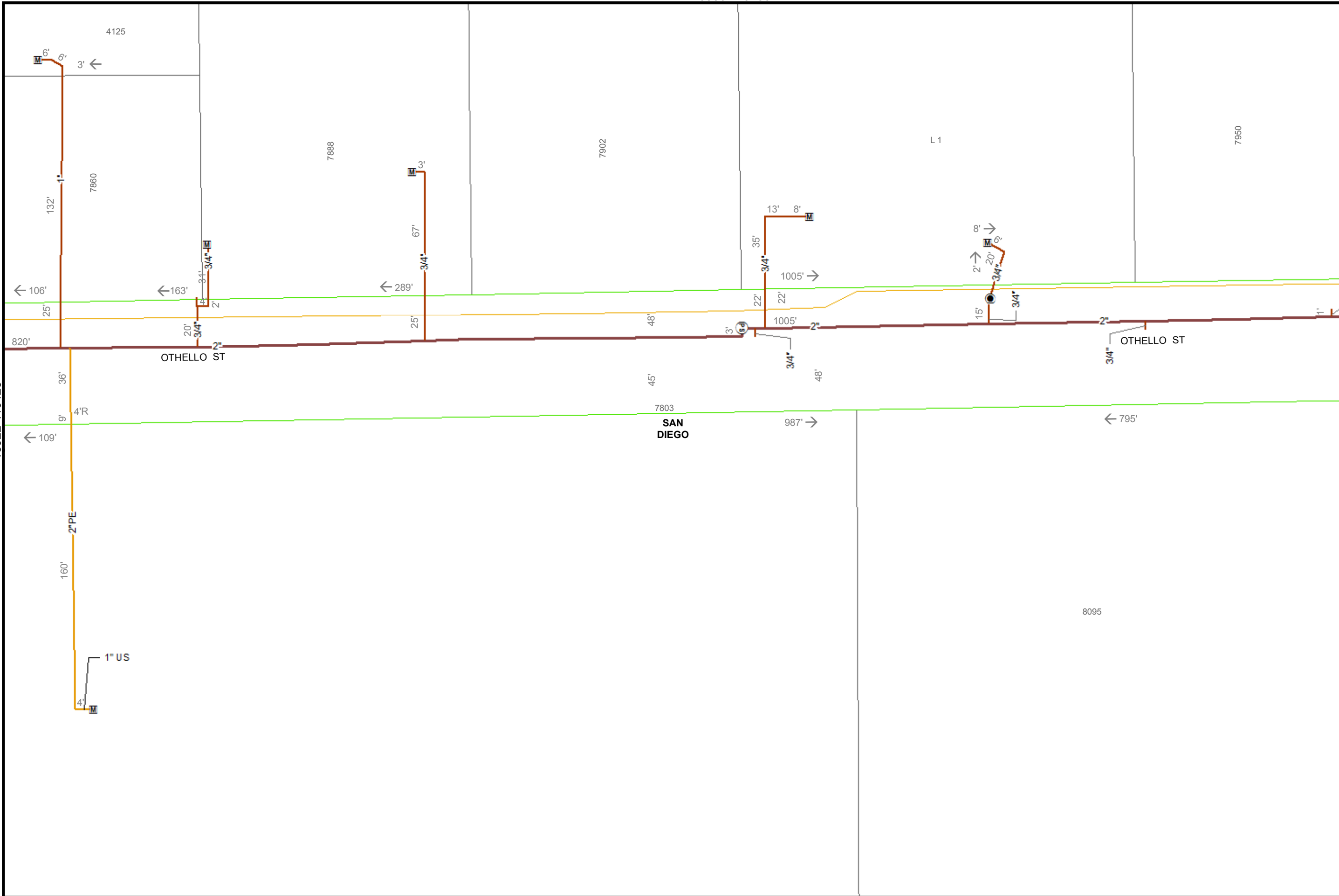
Printed By: ekaufma1

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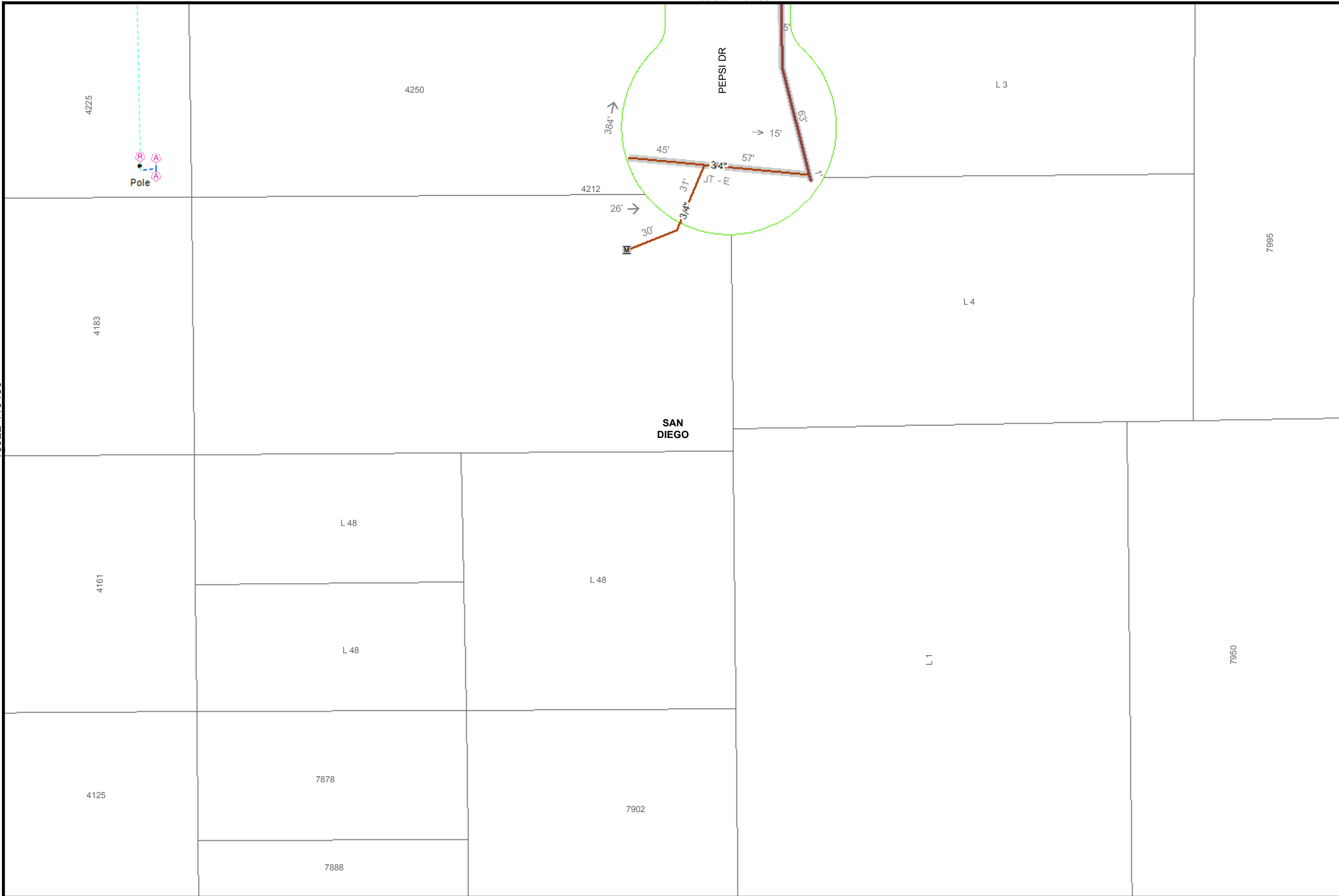


Map Number:	15930-119125
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15922-119130



15930-119135

15930-119125



40  
Feet

Map Number:	15930-119130
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15937-119130



15930-119140

15922-119135

15930-119130



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Feet

Map Number: 15930-119135

Map Type: Gas Asset Map

Printed By: ekaufma1

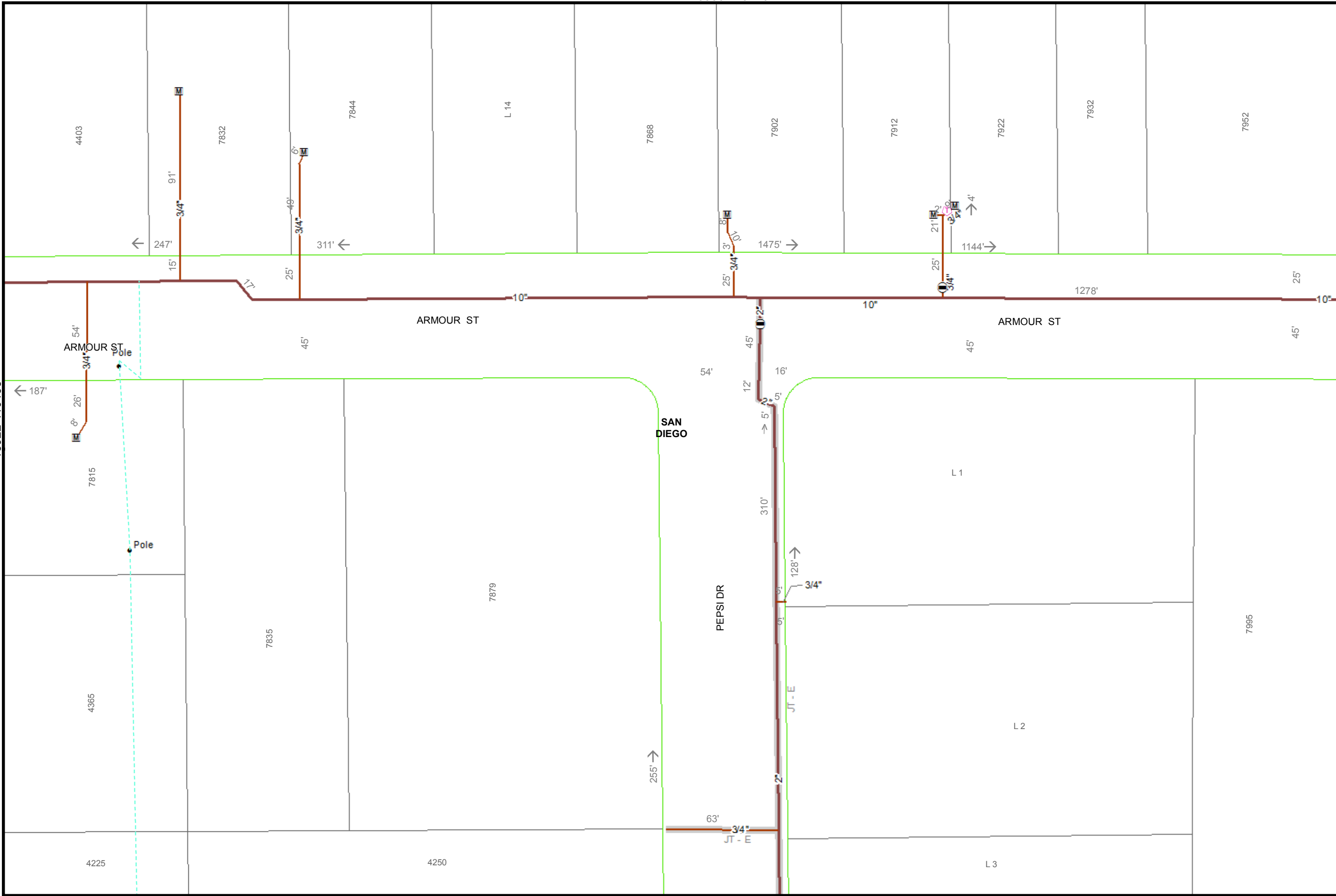
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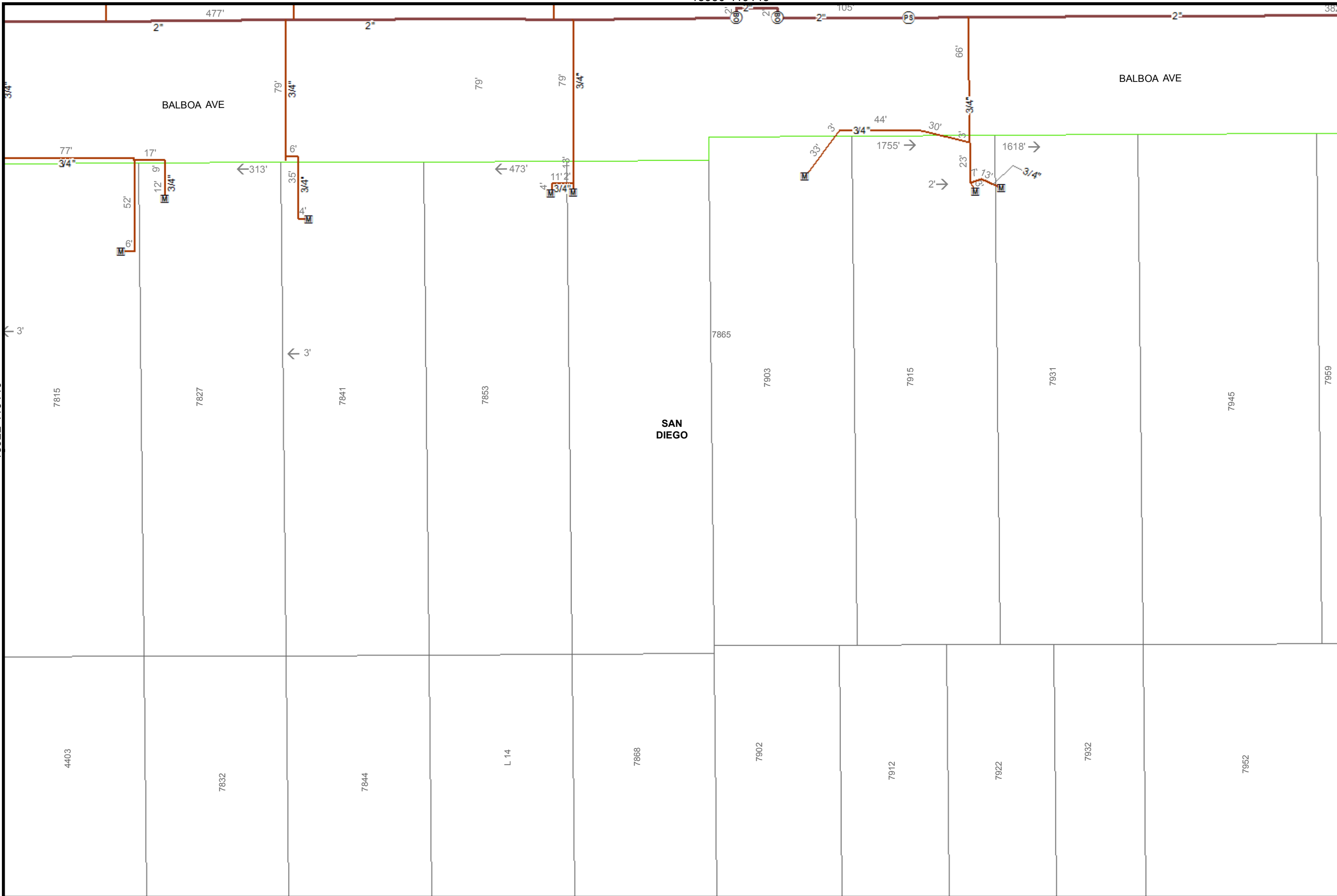
Sempra Energy utility


15937-119135



15922-119140

15930-119145



  
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 Feet

Map Number:	15930-119140
Map Type:	Gas Asset Map
Printed By:	ekaufma1
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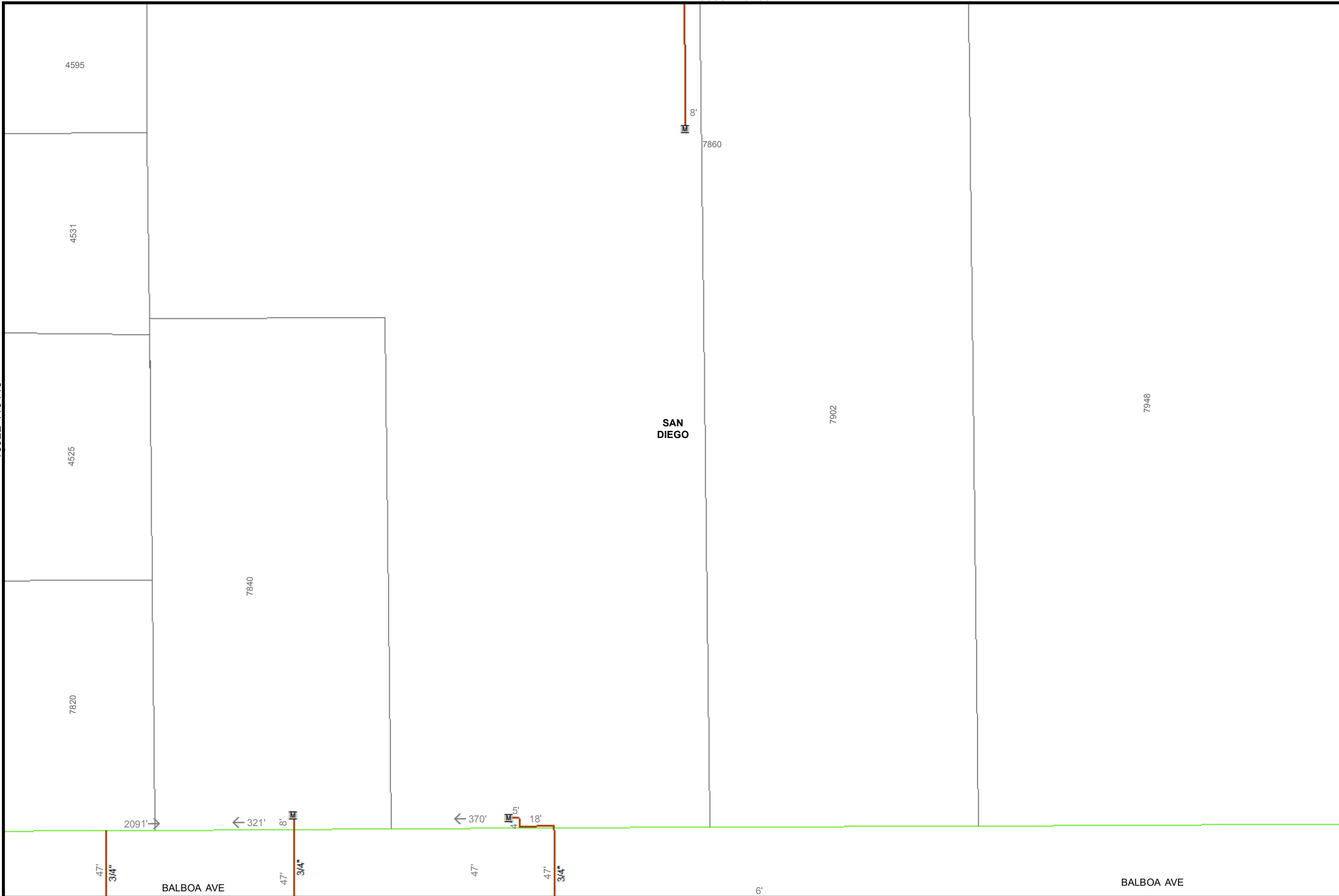


15937-119140

15930-119135

15922-119145

15930-119150



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Feet

Map Number: 15930-119145

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

15937-119145

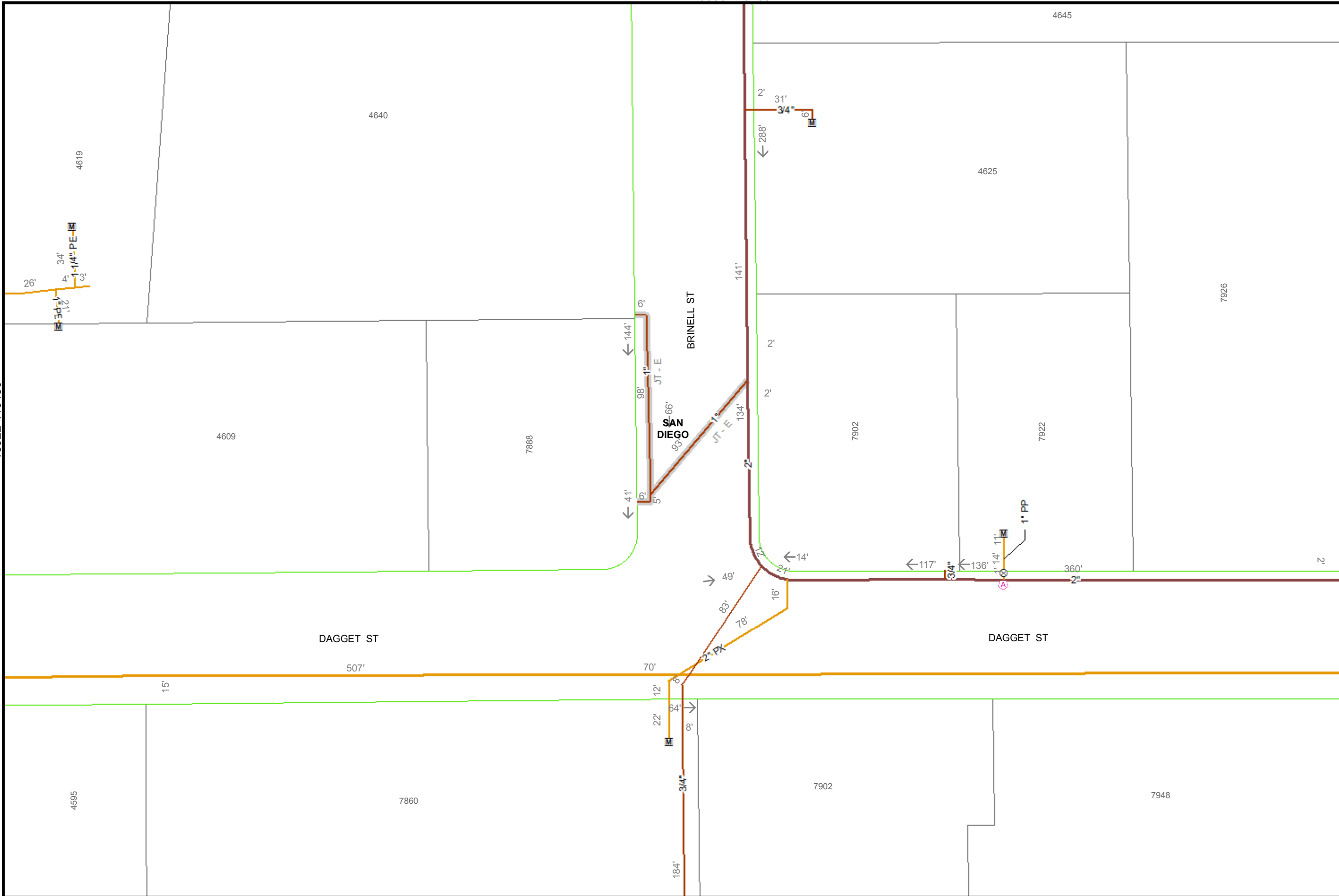
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15922-119150

15930-119155



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Feet

Map Number: 15930-119150

Map Type: Gas Asset Map

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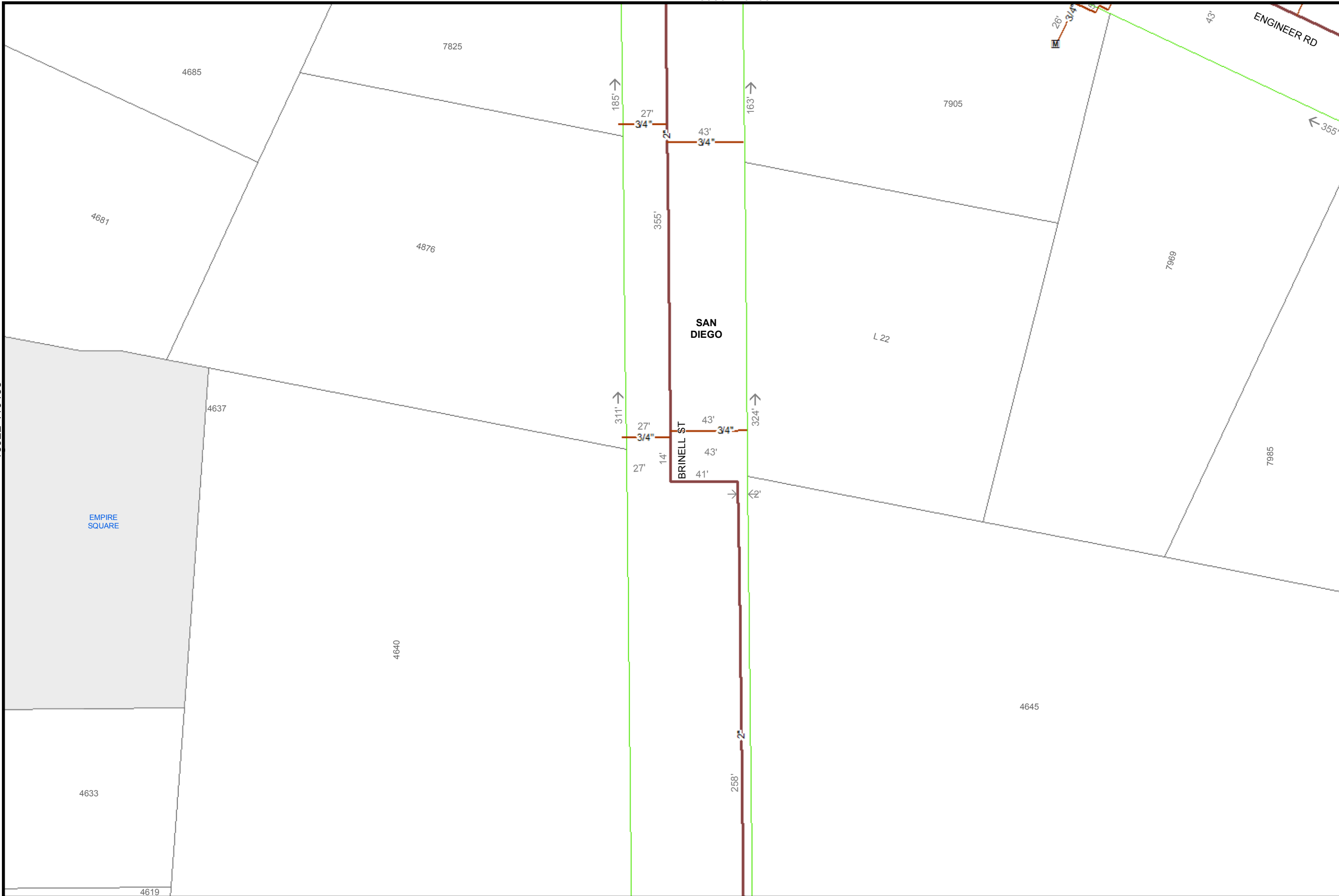



15937-119150

15930-119145



15922-119155



  
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 Feet

Map Number:	15930-119155
Map Type:	Gas Asset Map
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15937-119155



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Feet

Map Number: 15930-119160

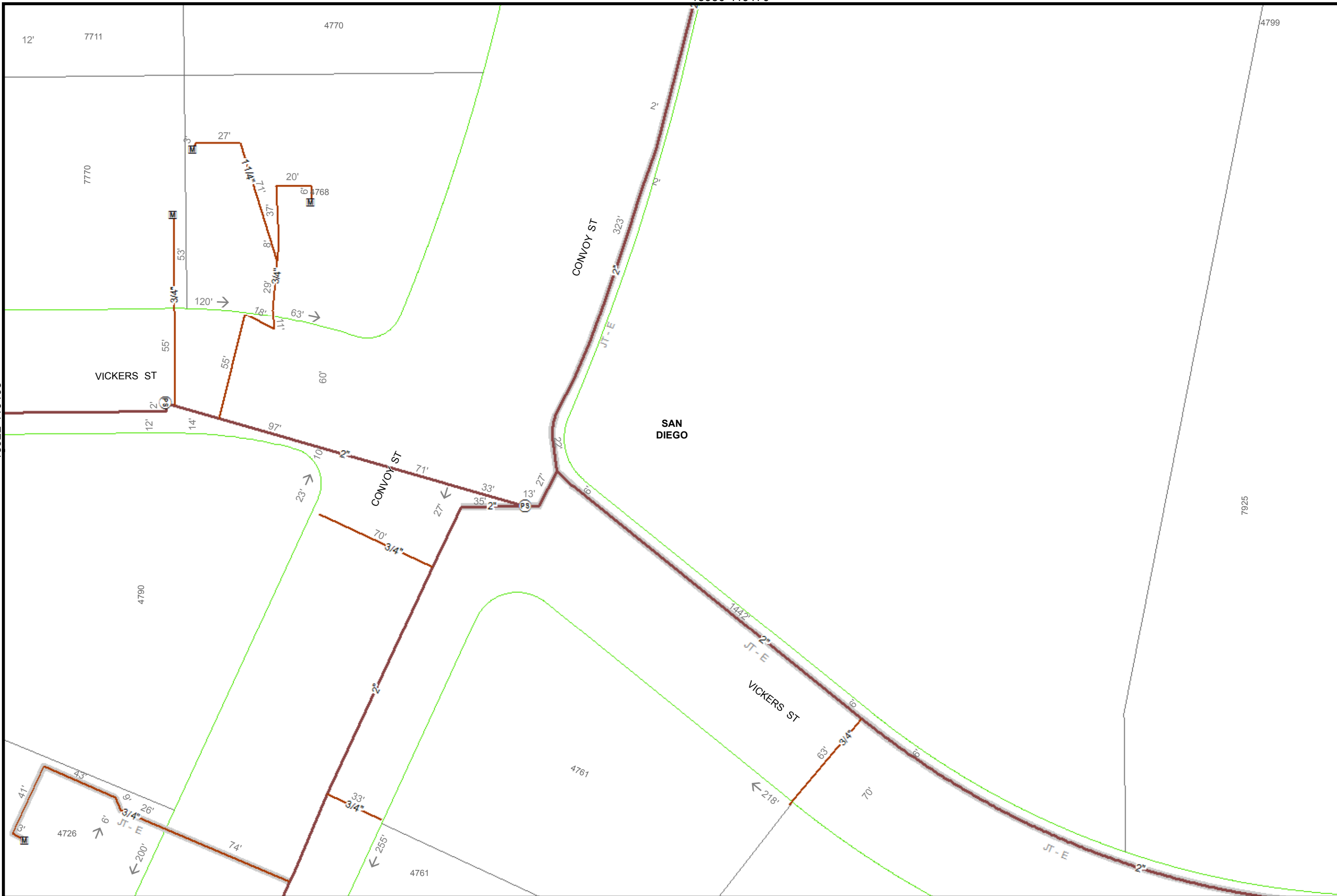
Map Type: Gas Asset Map


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 40  
 Feet

Map Number:	15930-119165
Map Type:	Gas Asset Map
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15922-119170

15930-119175



15930-119165



40

Feet

Map Number: 15930-119170

Map Type: Gas Asset Map

Printed By: ekaufma1

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15937-119170

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40

Feet

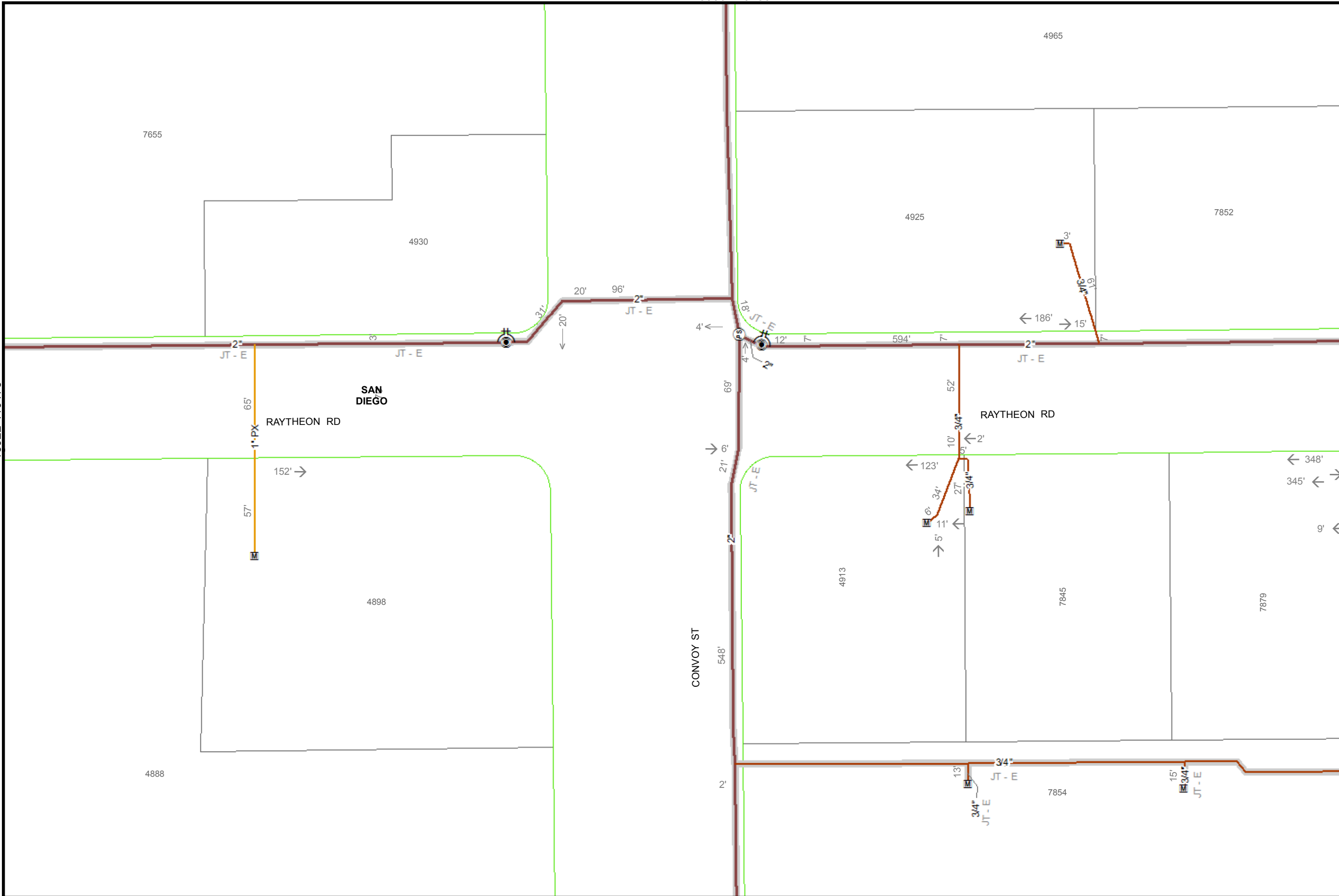
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Map Type: Gas Asset Map

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15922-119180

15930-119185



15930-119175



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Feet

Map Number: 15930-119180

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

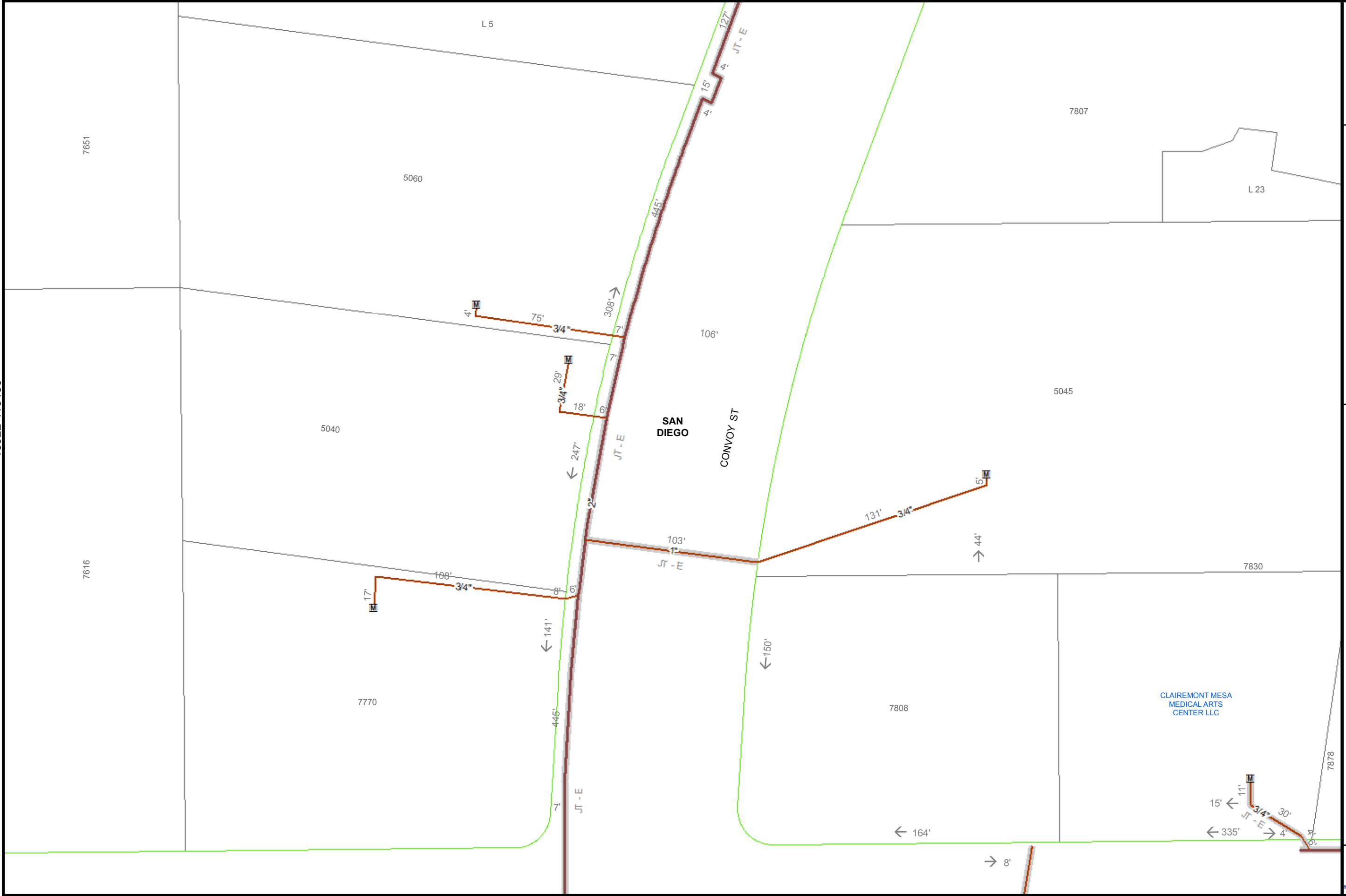
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Sempra Energy utility

15922-119185



15930-119190



40  
Feet

Map Number: 15930-119185

Map Type: Gas Asset Map

Printed By: ekaufma1

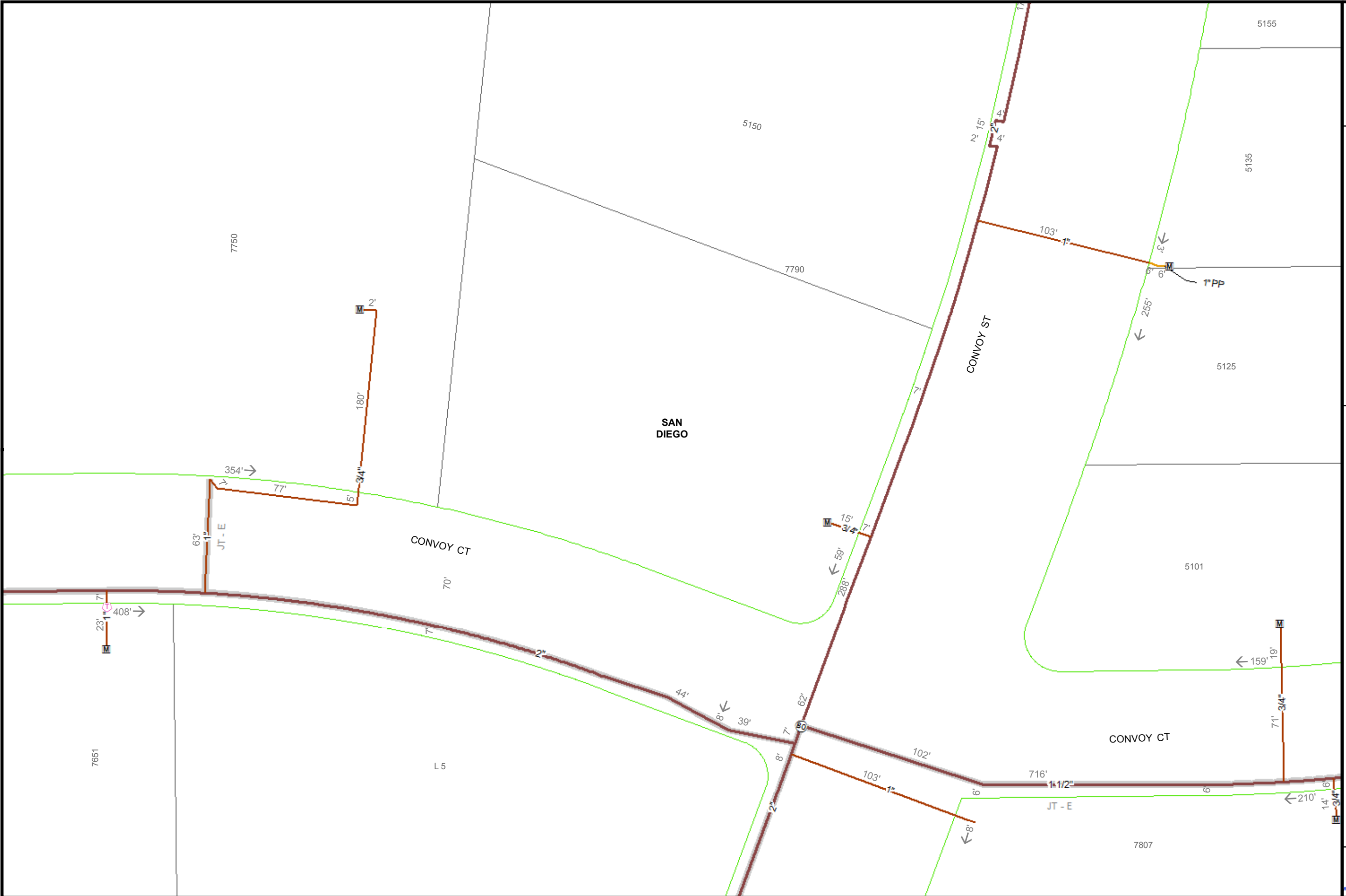
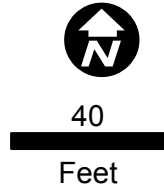
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15937-119185

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15930-119180



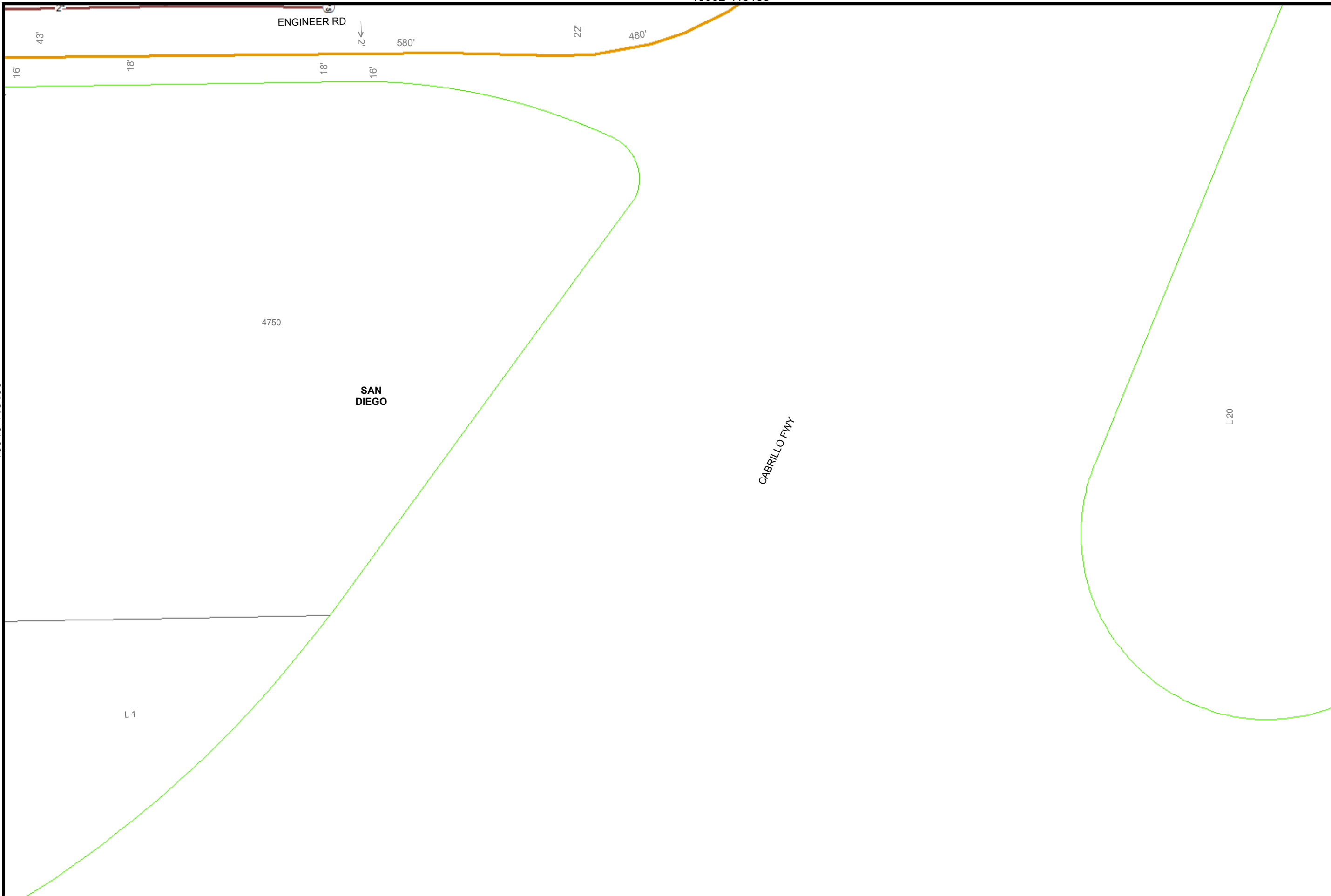
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Printed By:	ekaufma1
Printed Date:	6/13/2018

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15945-119150



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Feet

Map Number: 15952-119150

Map Type: Gas Asset Map

Printed By: ekaufma1

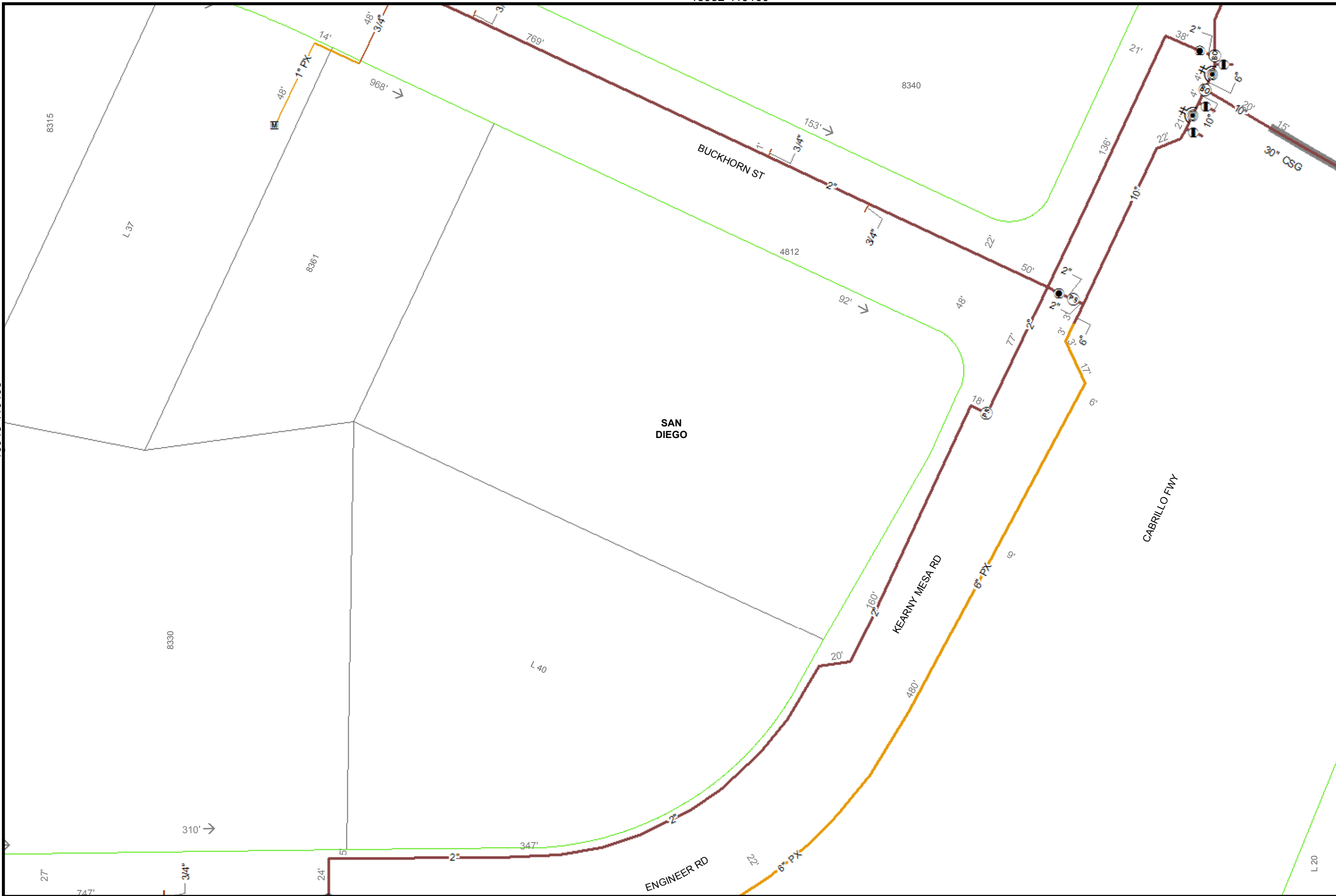
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15960-119150

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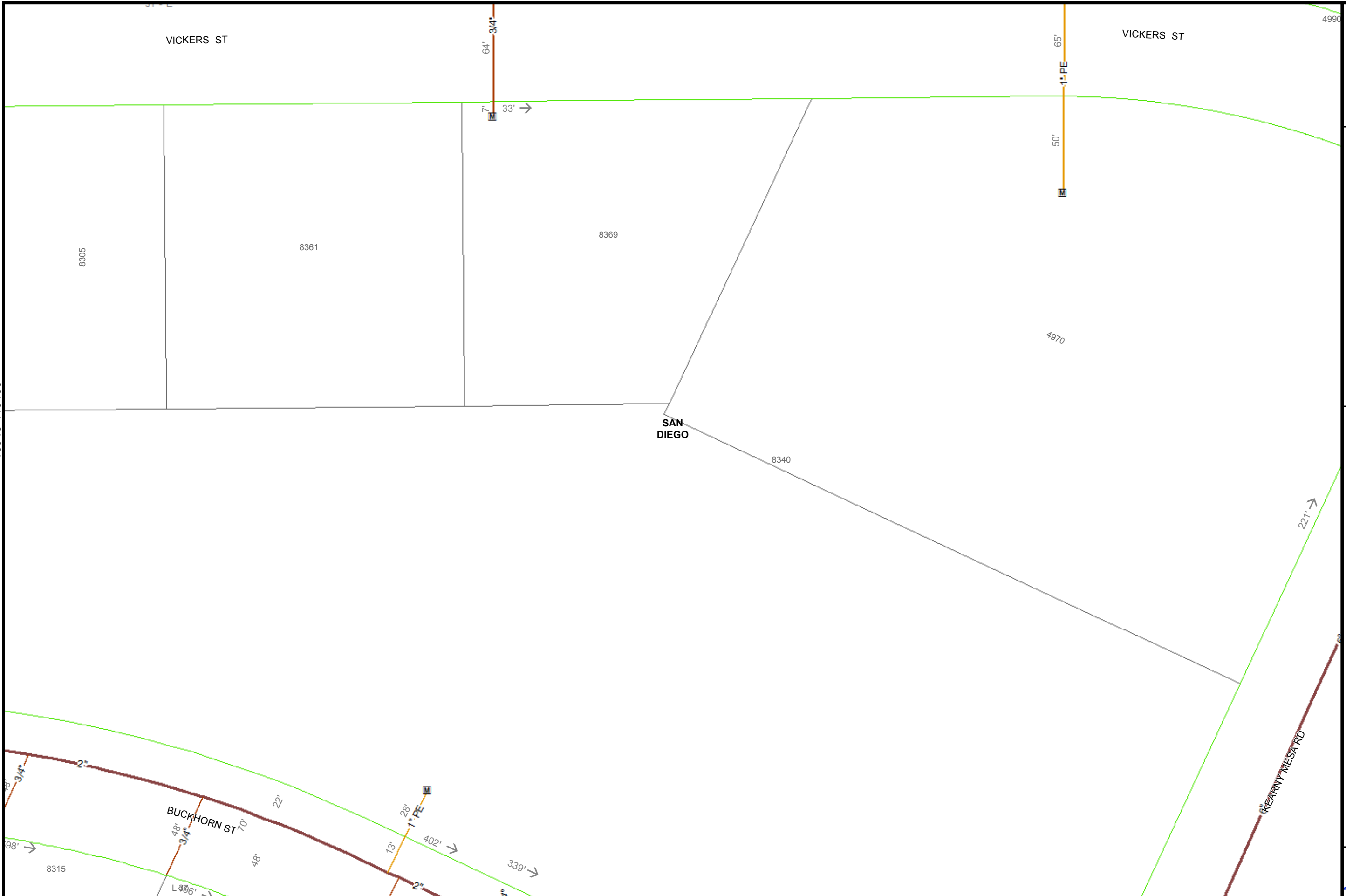


  
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 Feet

Map Number:	15952-119155
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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40  
Feet

Map Number: 15952-119160

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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40  
Feet

Map Number: 15952-119165

Map Type: Gas Asset Map

Printed By: ekaufma1

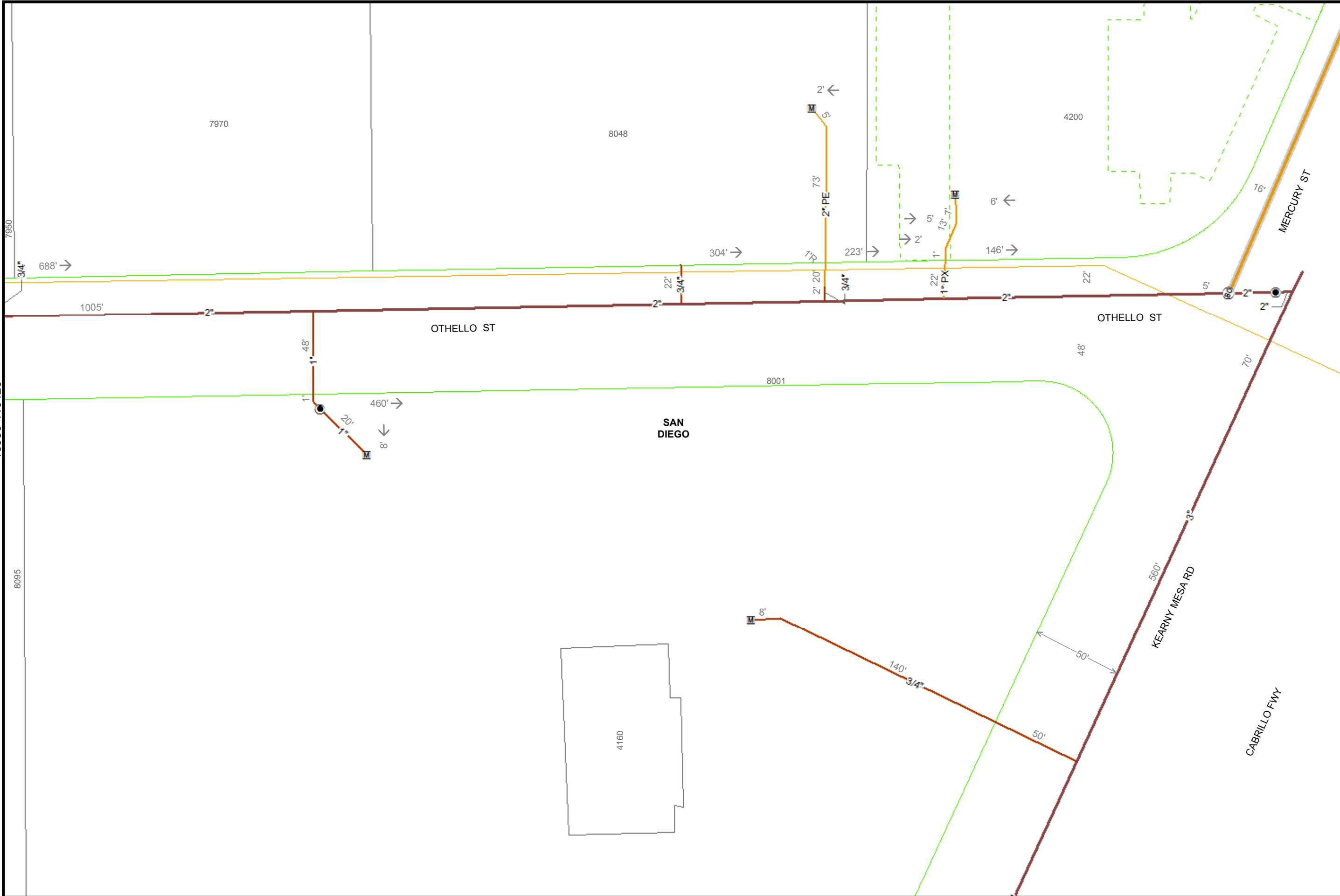
Printed Date: 6/13/2018

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Sempra Energy utility





40  
Feet

Map Number: 15937-119125

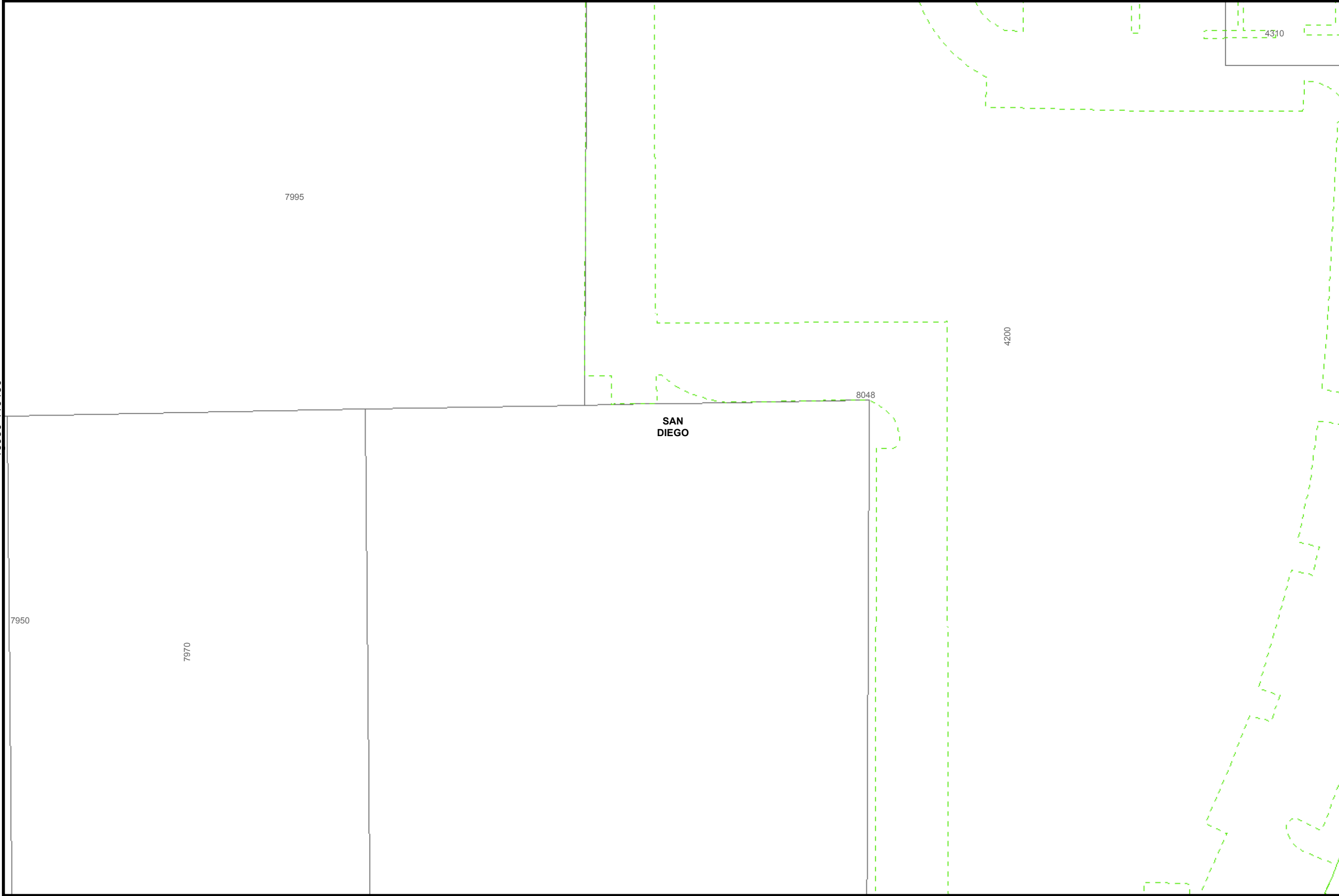
Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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40  
Feet

Map Number: 15937-119130

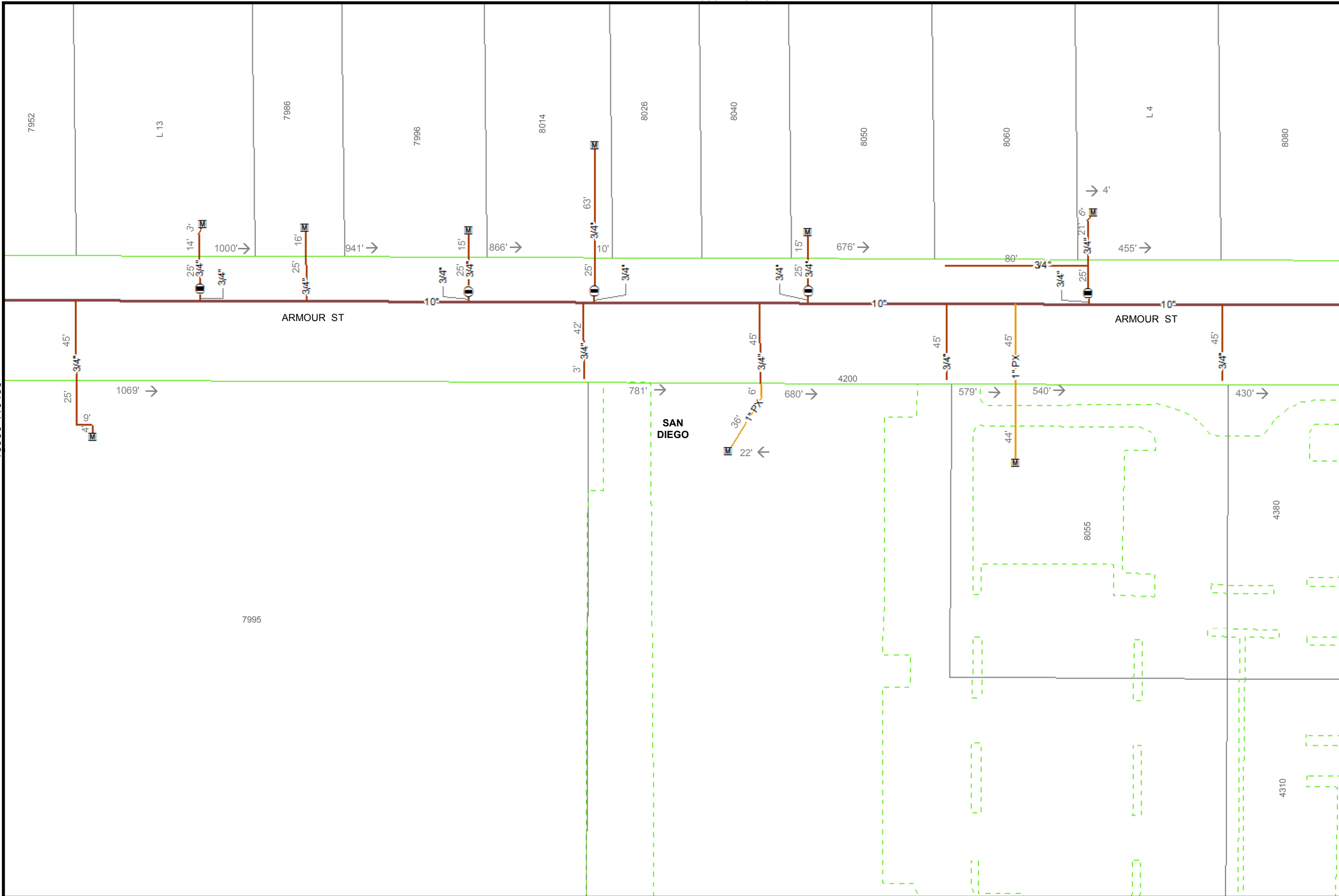
Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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40

Feet

Map Number: 15937-119135

Map Type: Gas Asset Map

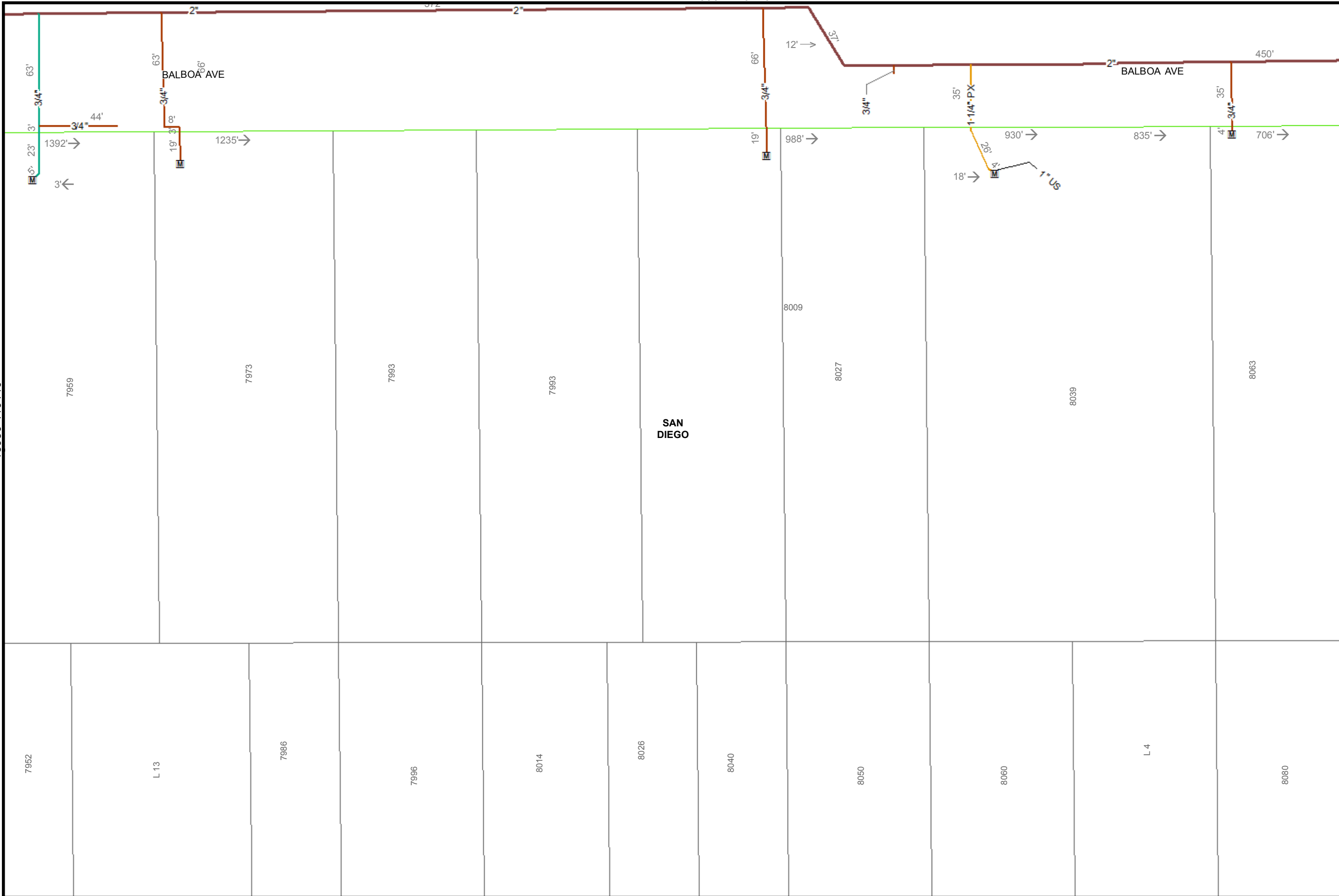
Printed By: ekaufma1

Printed Date: 6/13/2018

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15930-119140



15937-119145

15937-119135



40  
Feet

Map Number: 15937-119140

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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15945-119140





40

Feet

Map Number: 15937-119145

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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Sempra Energy utility

7948

8010

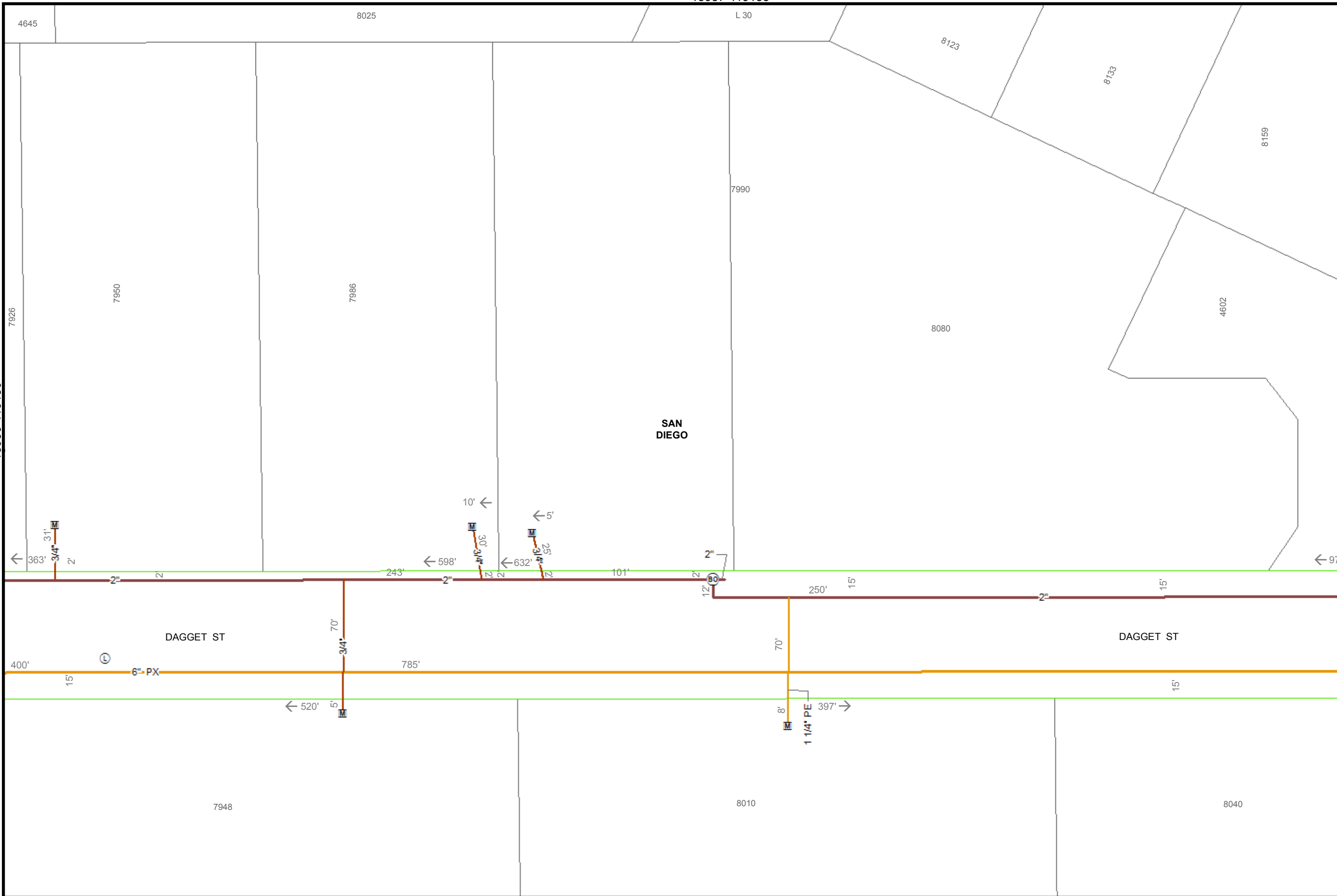
8040

SAN DIEGO

47'

BALBOA AVE

BALBOA AVE



40  
Feet

Map Number: 15937-119150

Map Type: Gas Asset Map

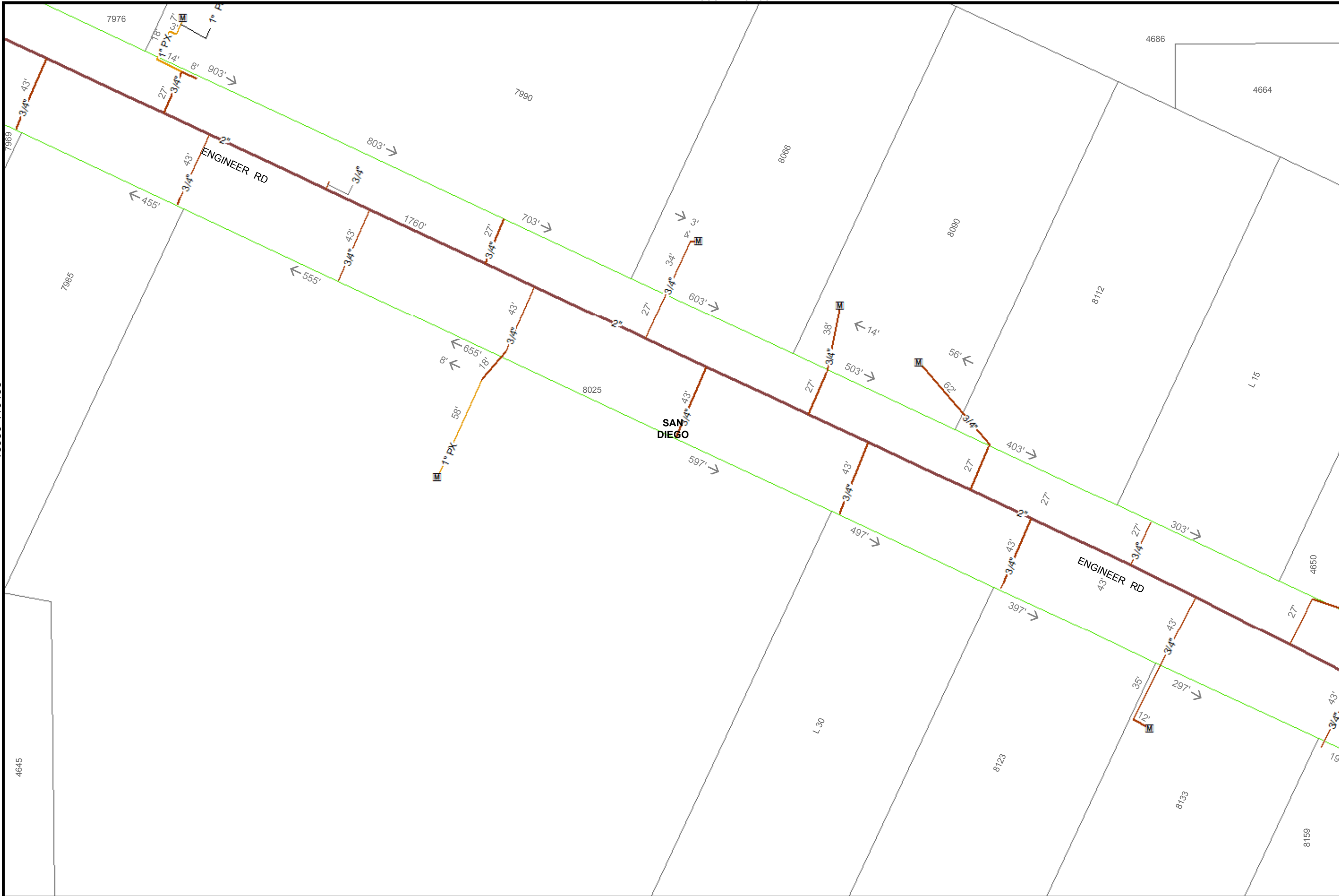
Printed By: ekaufma1


Printed Date: 6/13/2018

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Sempra Energy utility



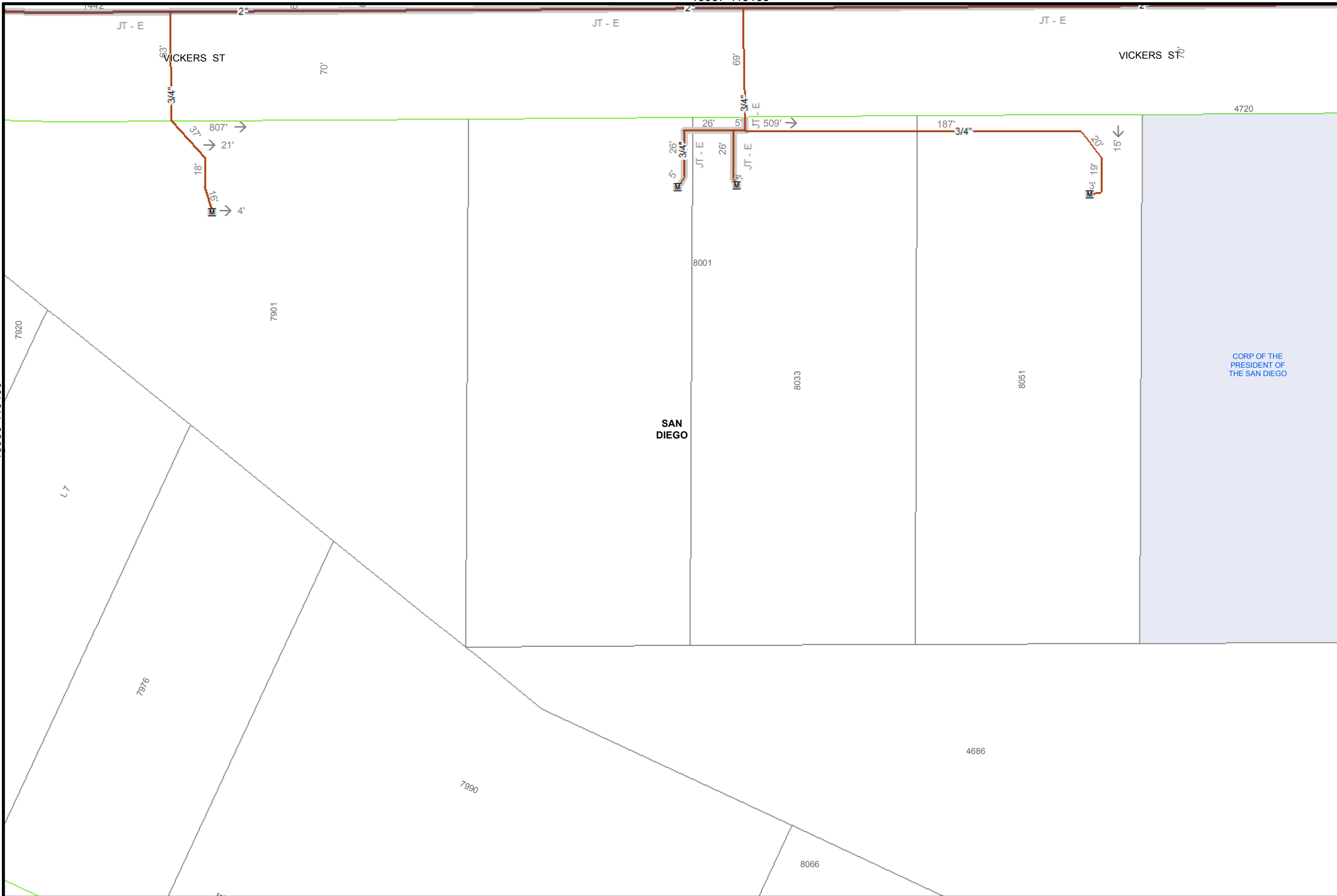
  
 40  
 Feet

Map Number:	15937-119155
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15930-119160



15937-119165

JT - E

VICKERS ST

70'

4720

40  
Feet

Map Number:	15937-119160
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15945-119160



15930-119165

SAN  
DIEGO



40

Feet

Map Number: 15937-119165

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

15945-119165

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40  
Feet

Map Number: 15937-119170

Map Type: Gas Asset Map

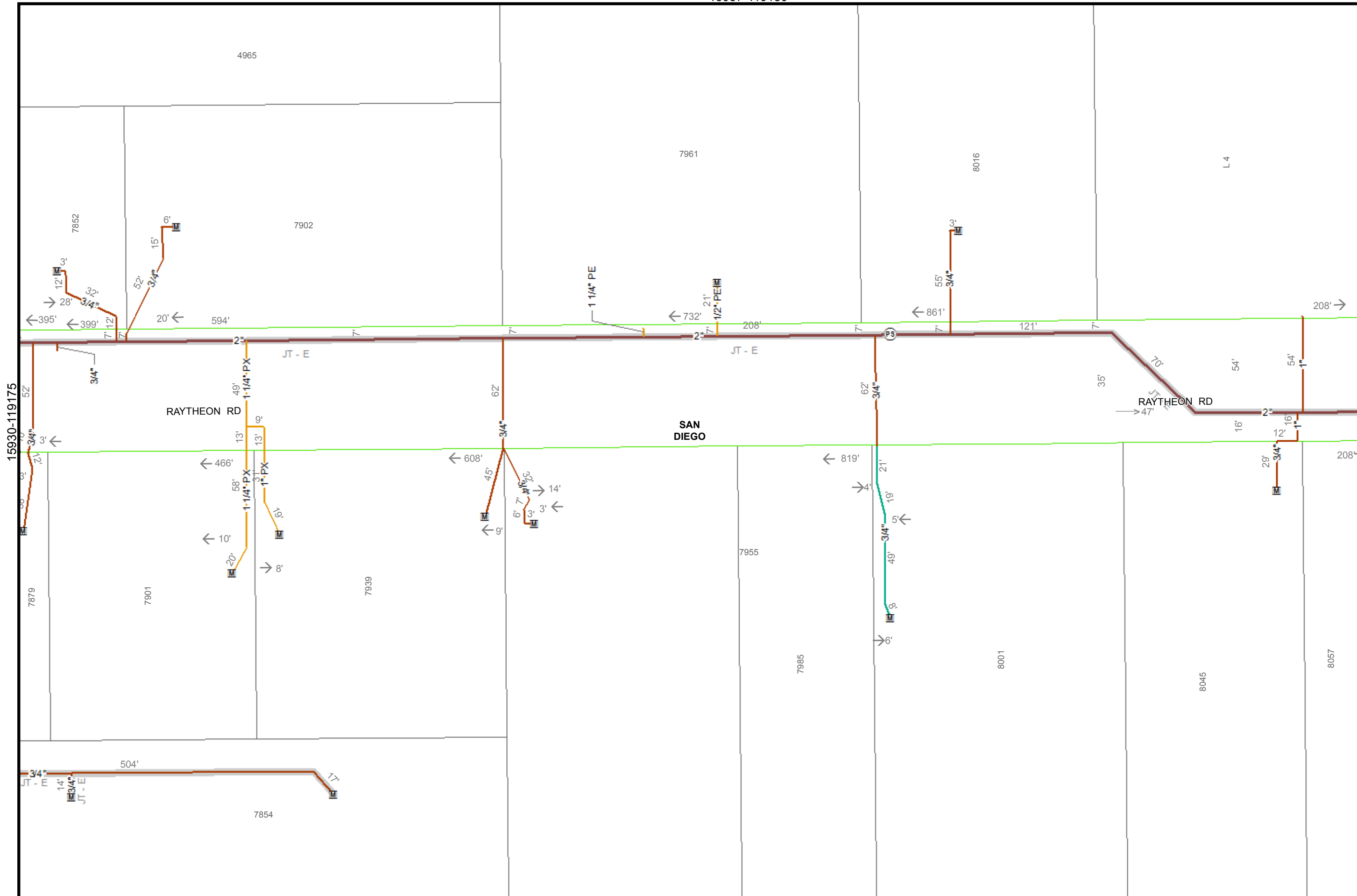
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Sempra Energy utility



40  
Feet

Map Number: 15937-119175

Map Type: Gas Asset Map

Printed By: ekaufma1

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Sempra Energy utility

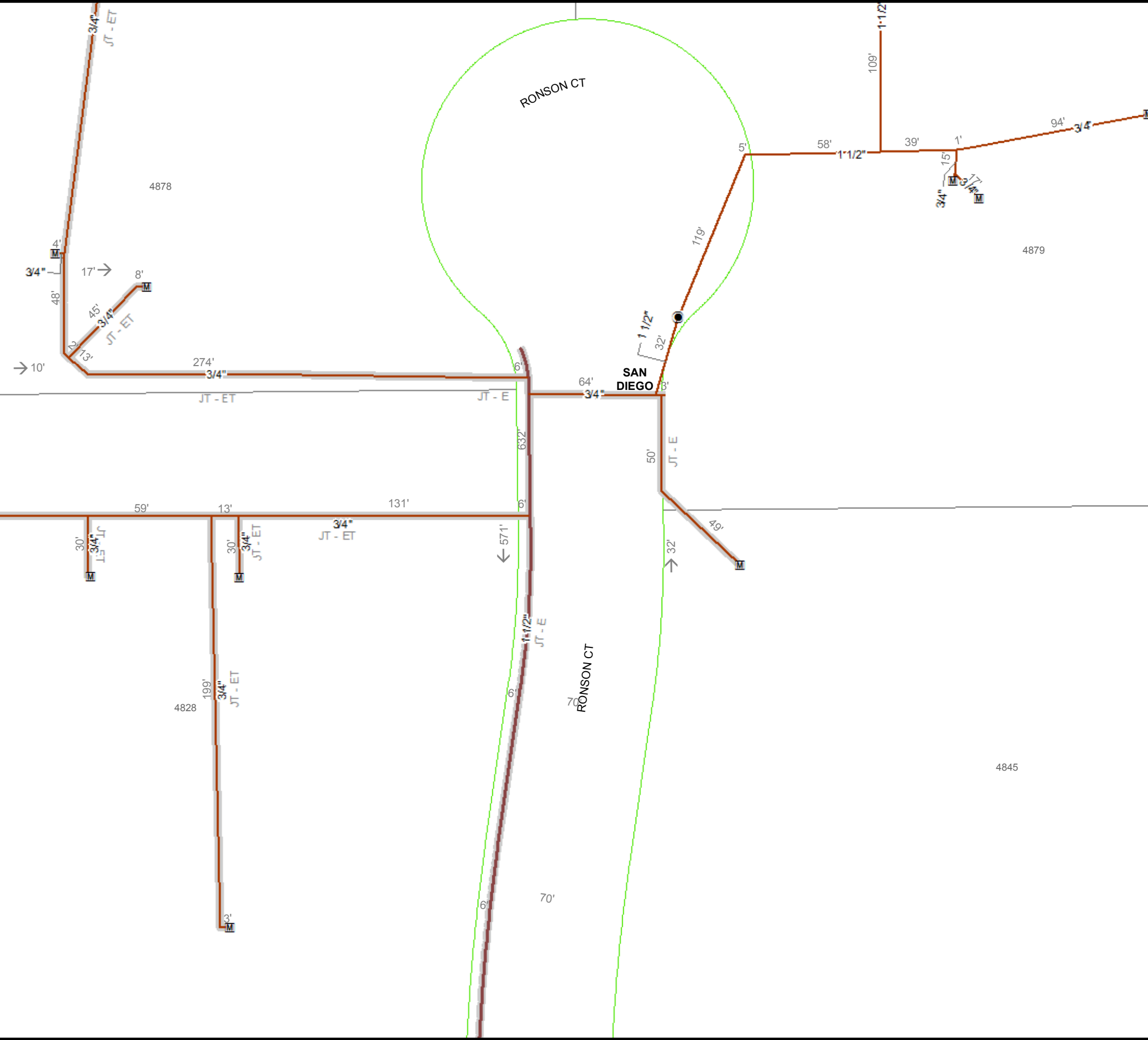
15945-119175





15945-119175

15952-119180



40

Feet

Map Number: 15952-119175

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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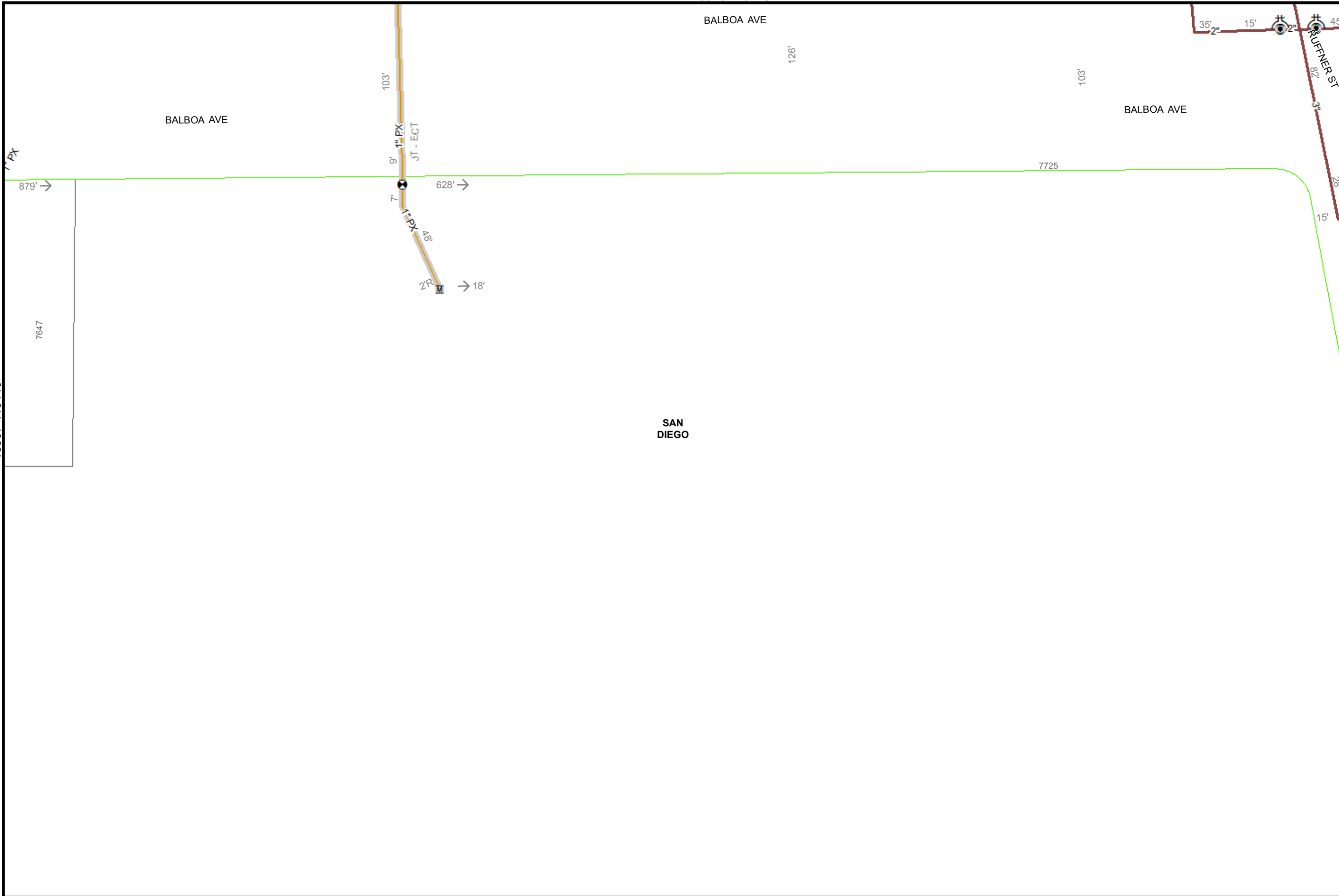


 Sempra Energy utility

15952-119170

15960-119175

15907-119140



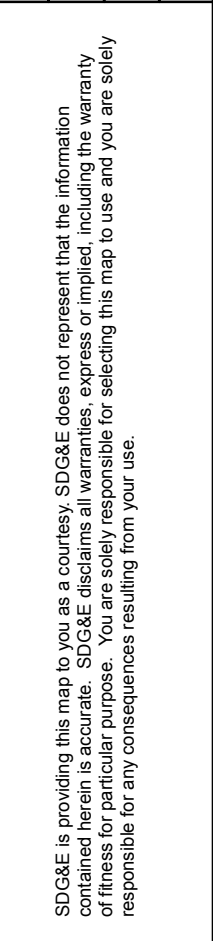
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Map Type: **Gas Asset Map**

Printed By: ekaufma1

Printed Date: 6/13/2018

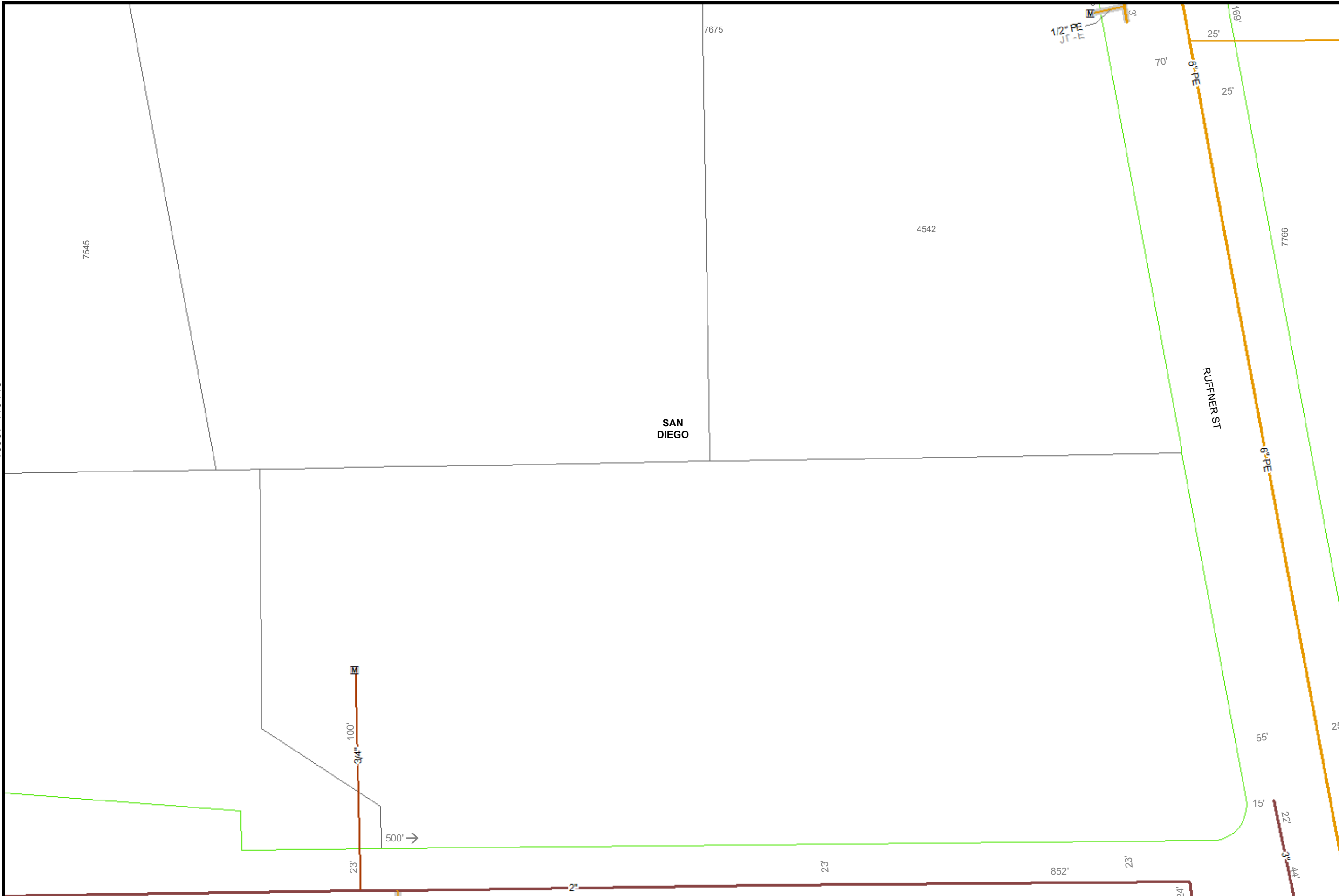
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15922-119140

15907-119145

15915-119150



40

Feet

Map Number: 15915-119145

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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SDGE  
Sempra Energy utility

15922-119145

15915-119140



  
 40  
 Feet

Map Number:	15915-119150
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

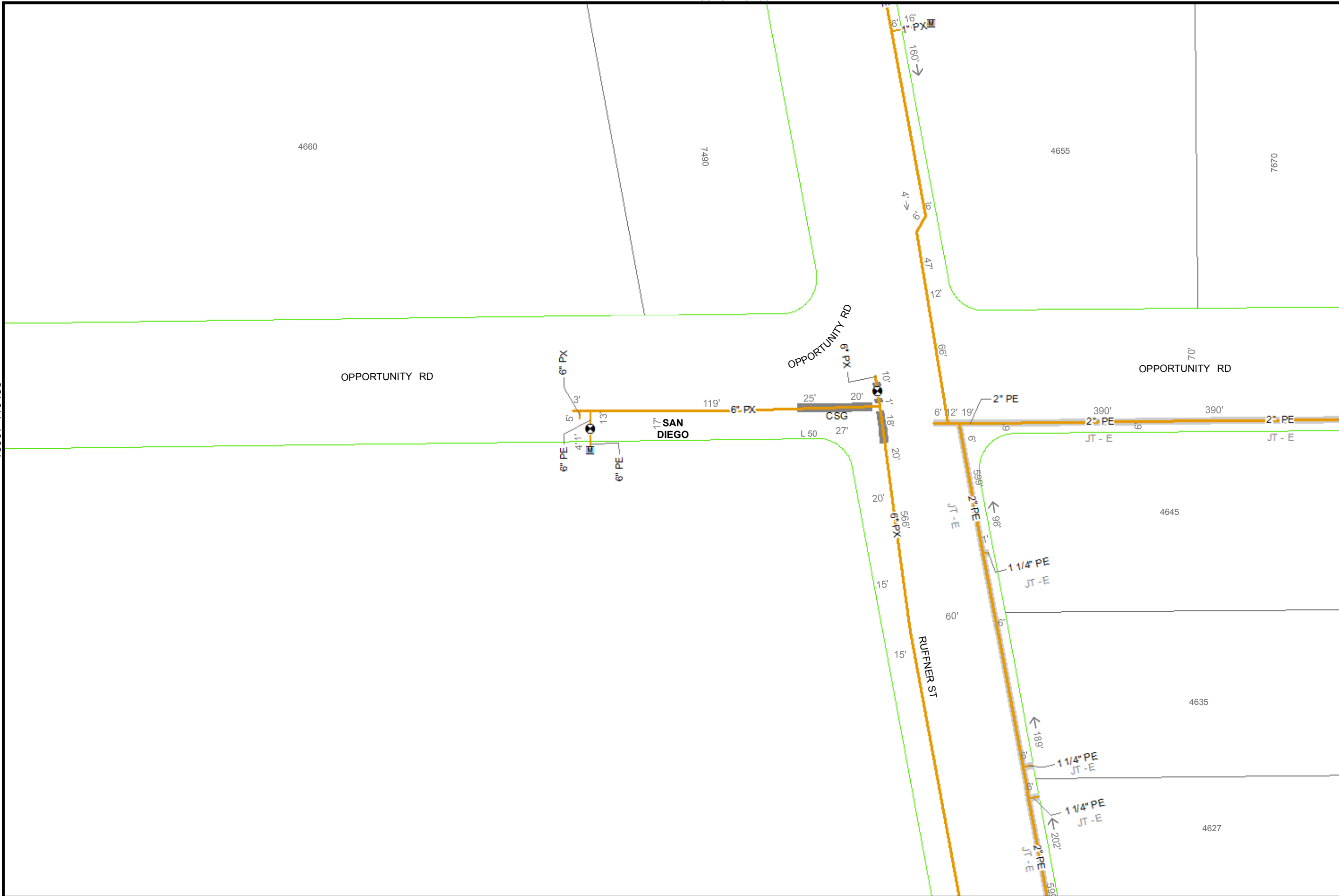
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15907-119155

15915-119160



15915-119150



40

Feet

Map Number: 15915-119155

Map Type: Gas Asset Map

Printed By: ekauflma1

Printed Date: 6/13/2018

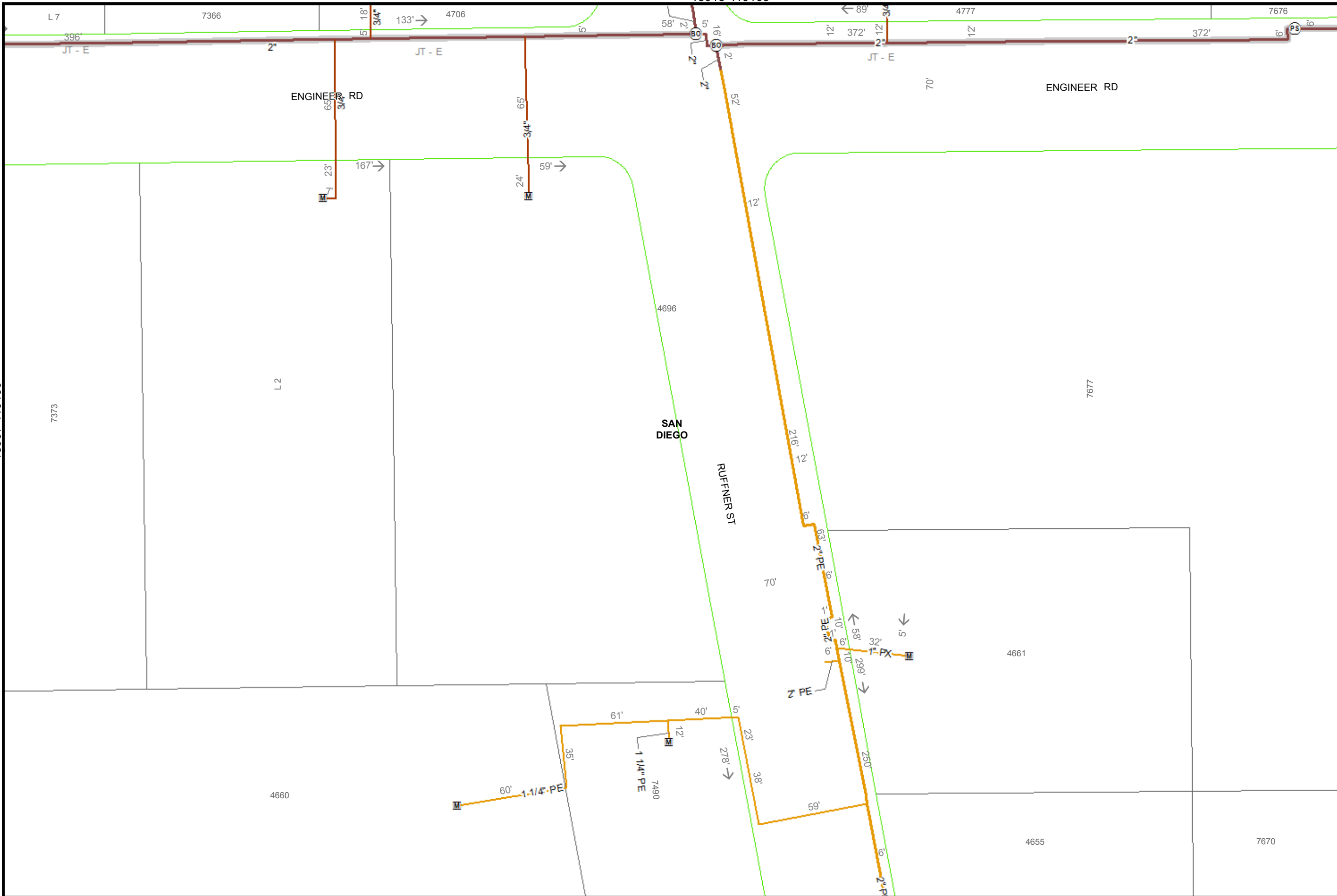
15922-119155

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 Sempra Energy<sup>®</sup> utility

15907-119160



15915-119165

15915-119155



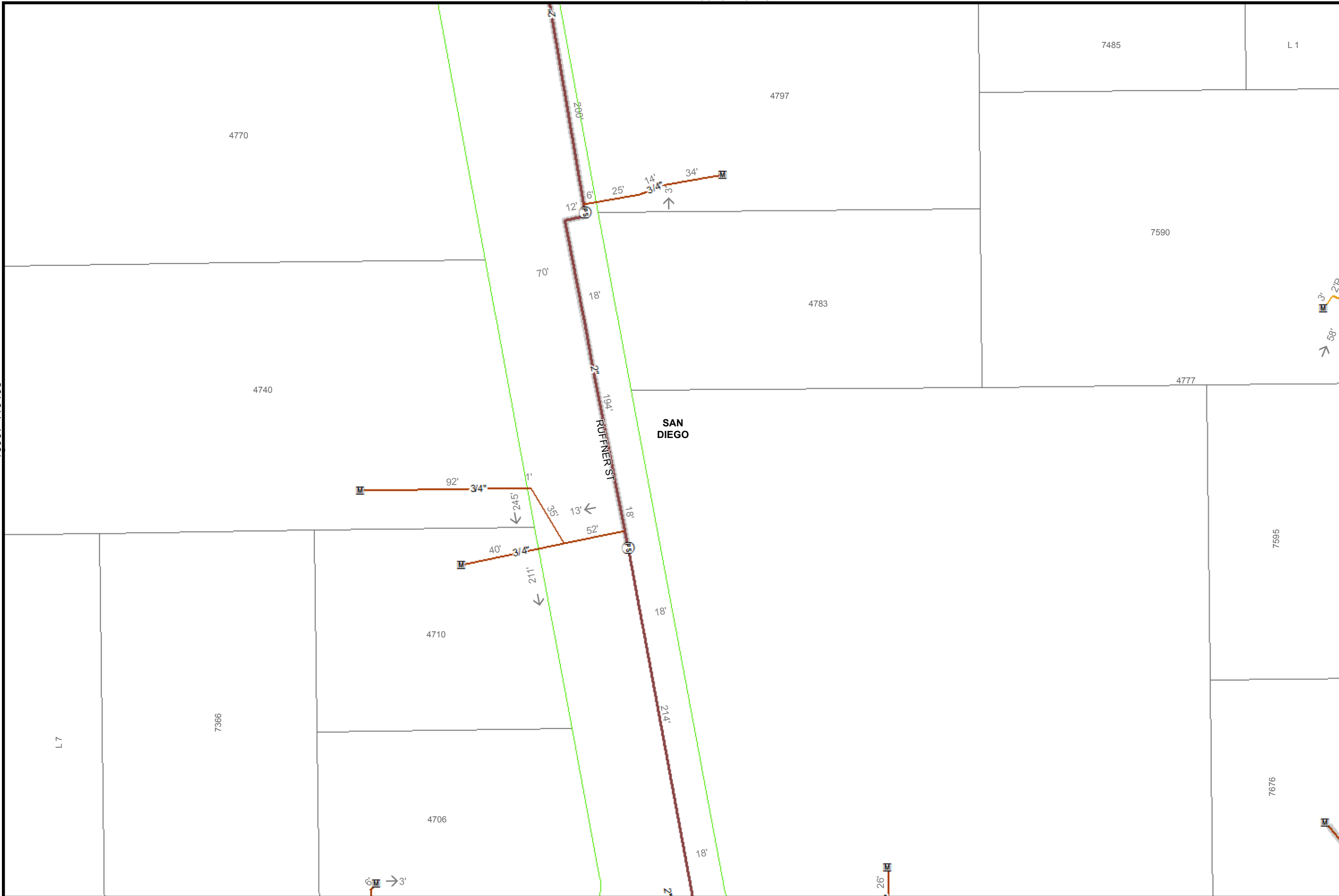
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Map Number:	15915-119160
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15922-119160

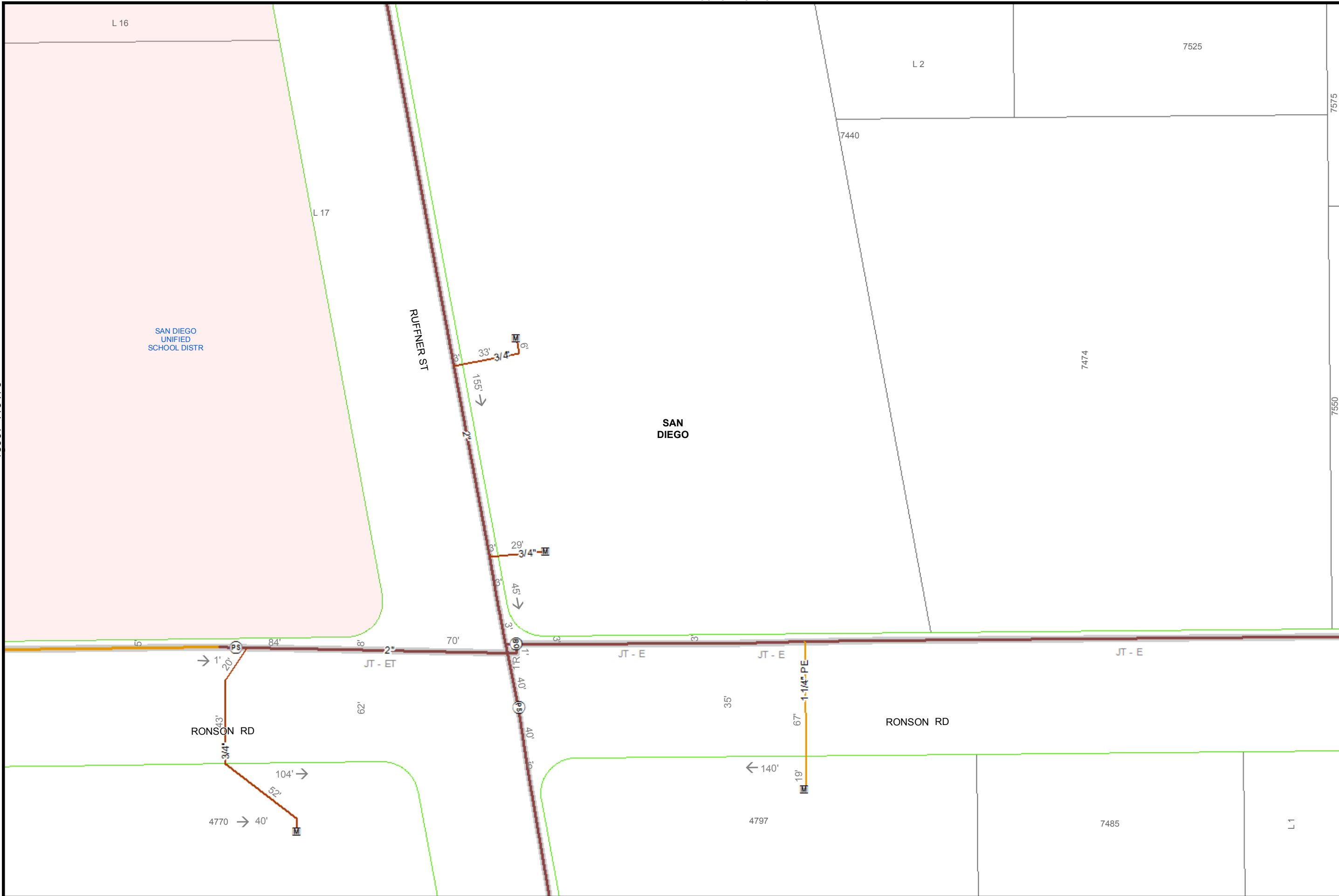



  
 40  
 Feet

Map Number:	15915-119165
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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 40  
 Feet

Map Number:	15915-119170
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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CLAIREMONT MESA BLVD

CLAIREMONT MESA BLVD



40

Feet

Map Number: 15915-119180

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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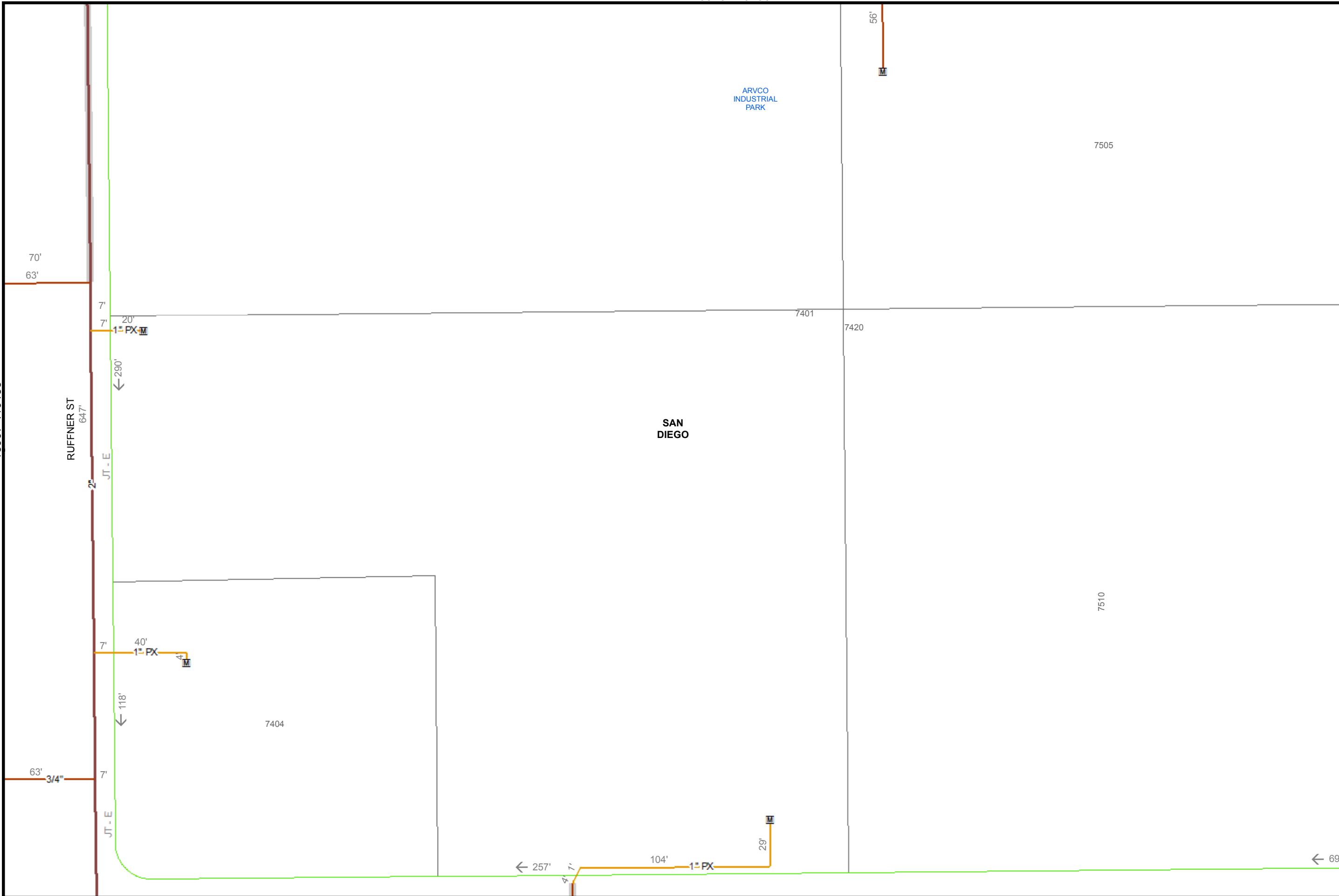


Sempra Energy utility

15907-119180

15922-119180





40  
Feet

Map Number:	15915-119185
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15952-119170

15960-119175



40  
Feet

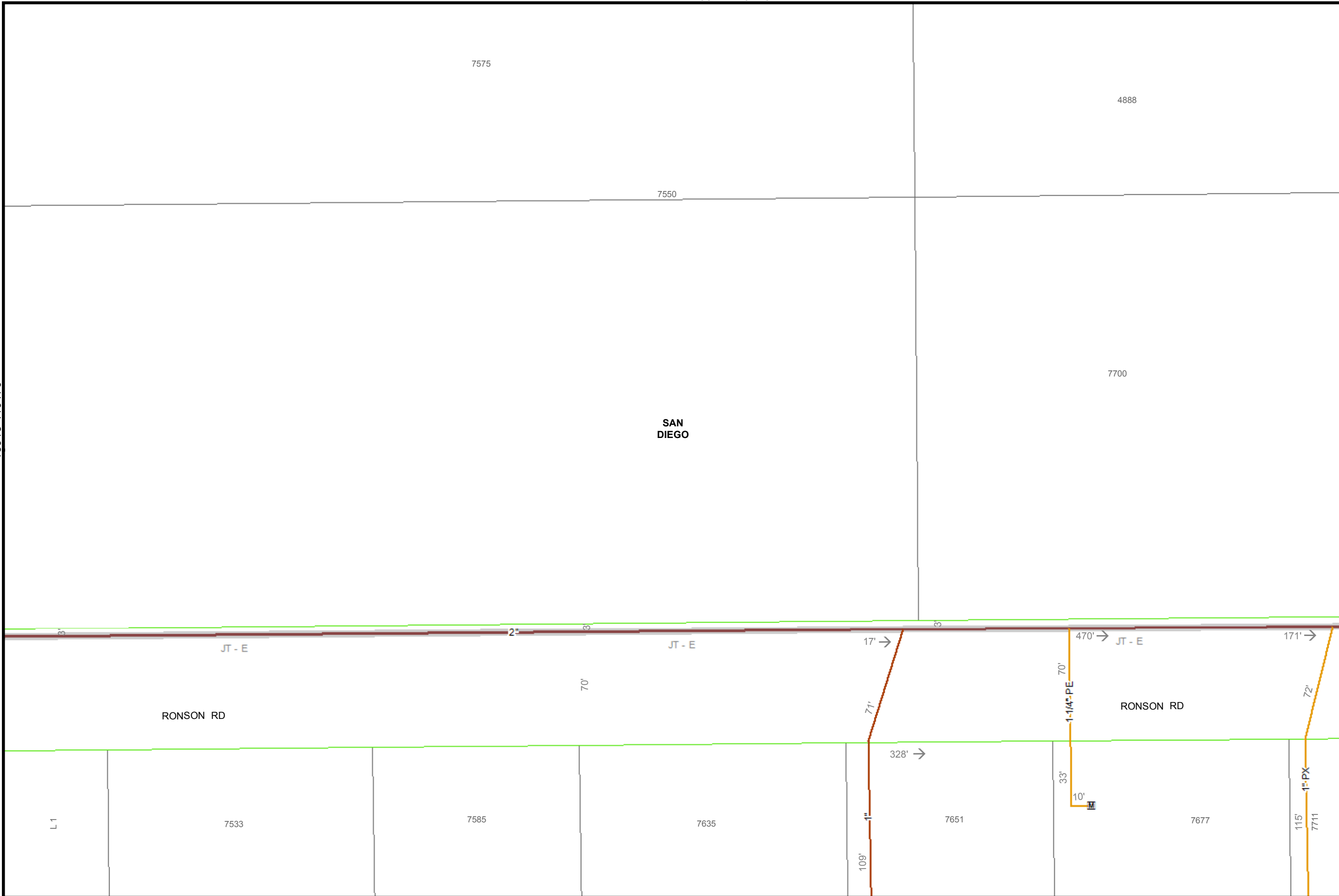
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Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15967-119170

15960-119165



40  
Feet

Map Number: 15922-119170

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

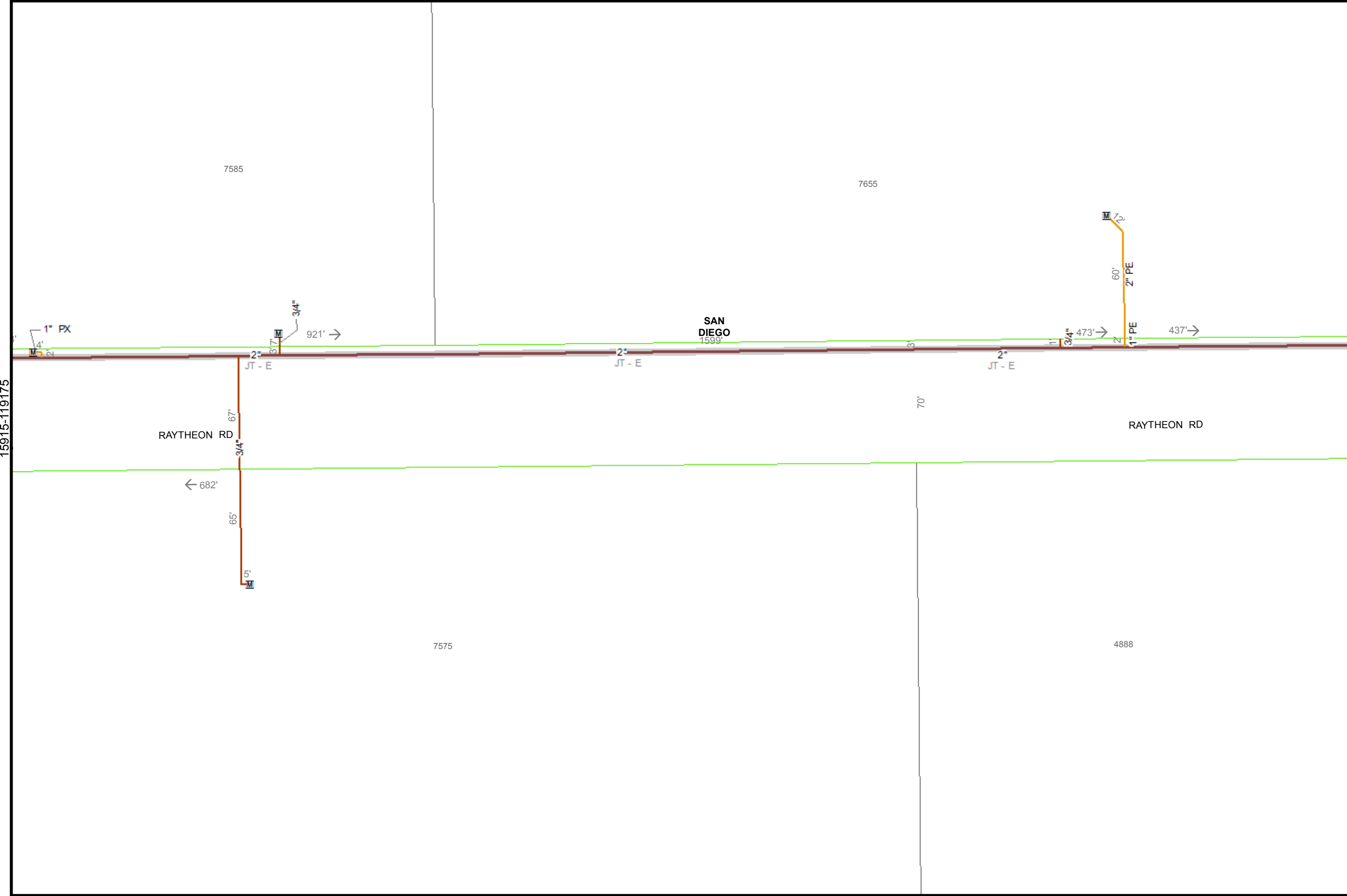
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40

Feet



Map Number: 15922-119175

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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Sempra Energy utility

CLAIREMONT MESA BLVD

CLAIREMONT MESA BLVD

113'  
3/4"  
JT - E

126'

113'  
JT - E

950'

950'

7655

JT - E

JT - E

JT - E

15915-119180

7585

SAN  
DIEGO



40

Feet

Map Number: 15922-119180

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

15930-119180

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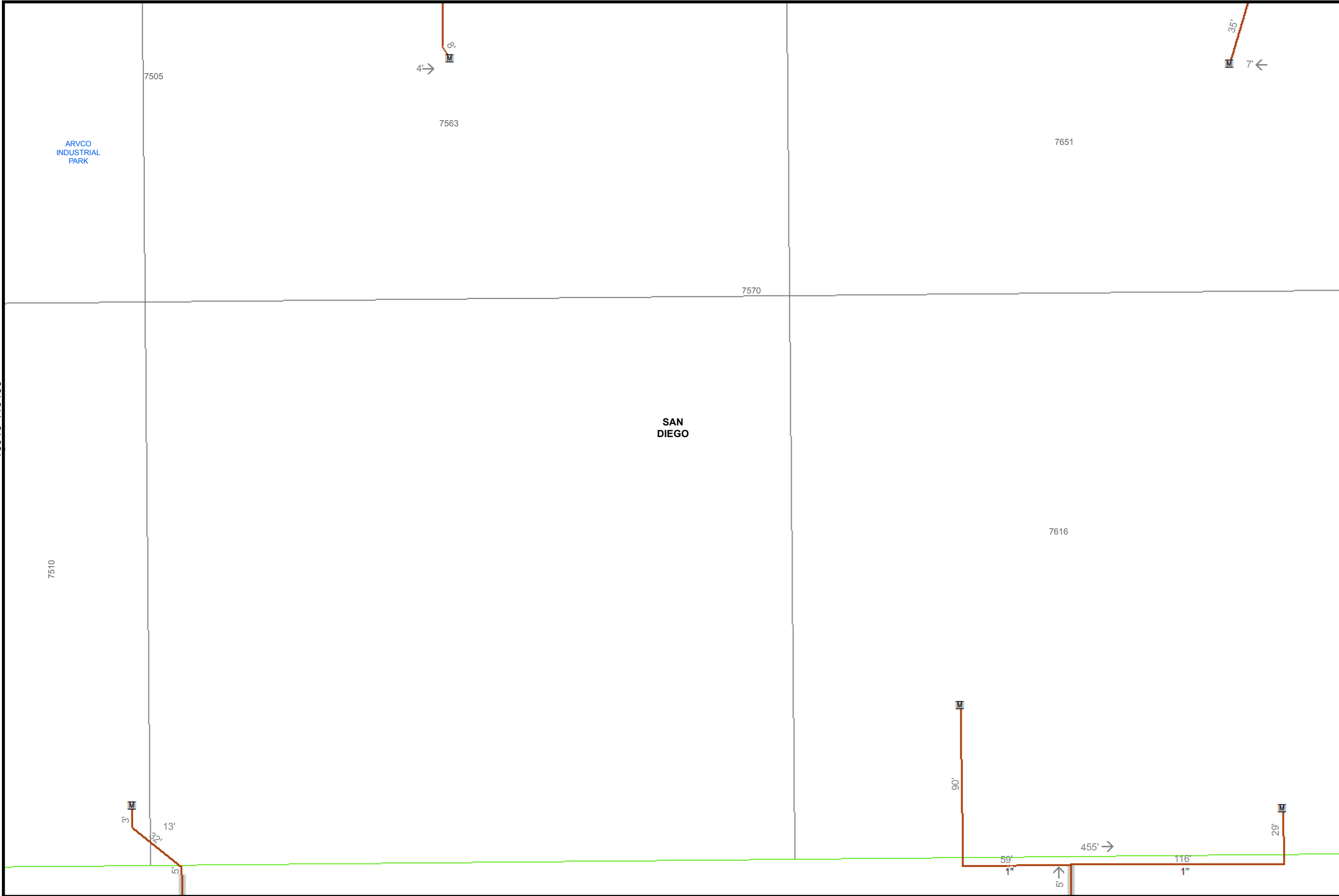


Sempra Energy utility



15922-119190

15915-119185



40  
Feet

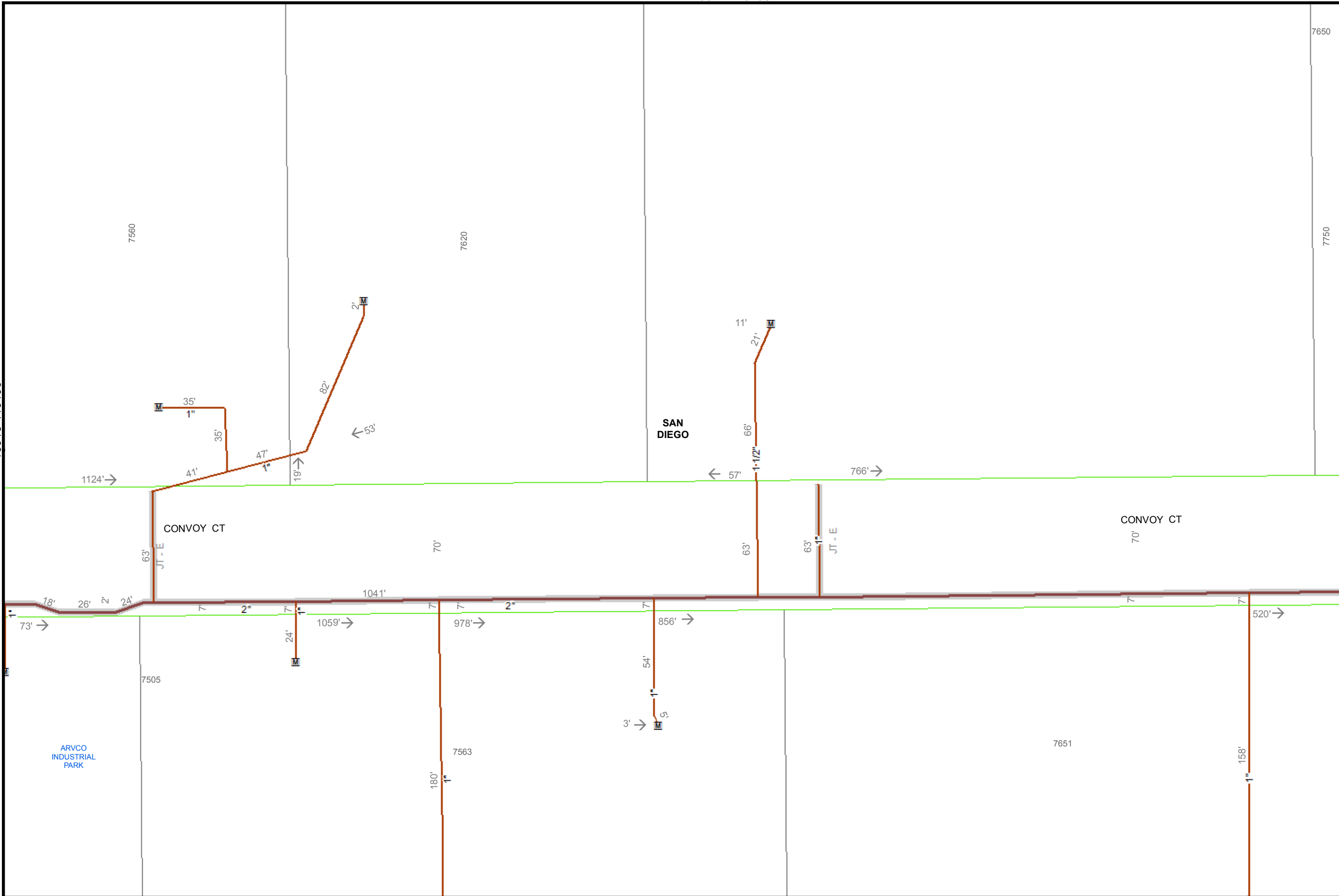
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Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15922-119180

15930-119185




40  
Feet

Map Number:	15922-119190
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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 40  
 Feet

Map Number:	15922-119125
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15915-119125

15930-119125



15915-119130

  
**40**  
 Feet

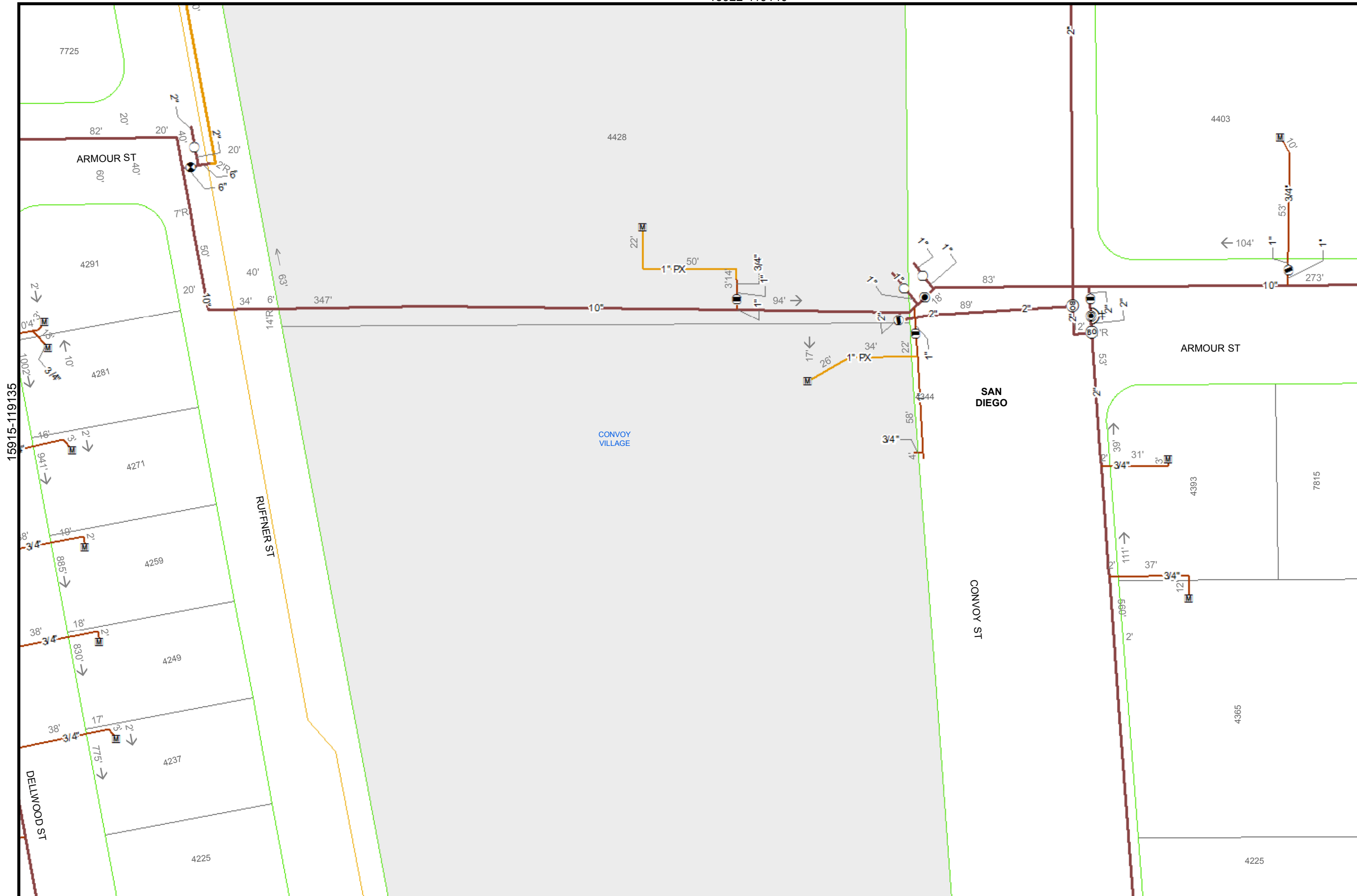
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Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15930-119130





40

Feet

Map Number: 15922-119135

Map Type: Gas Asset Map

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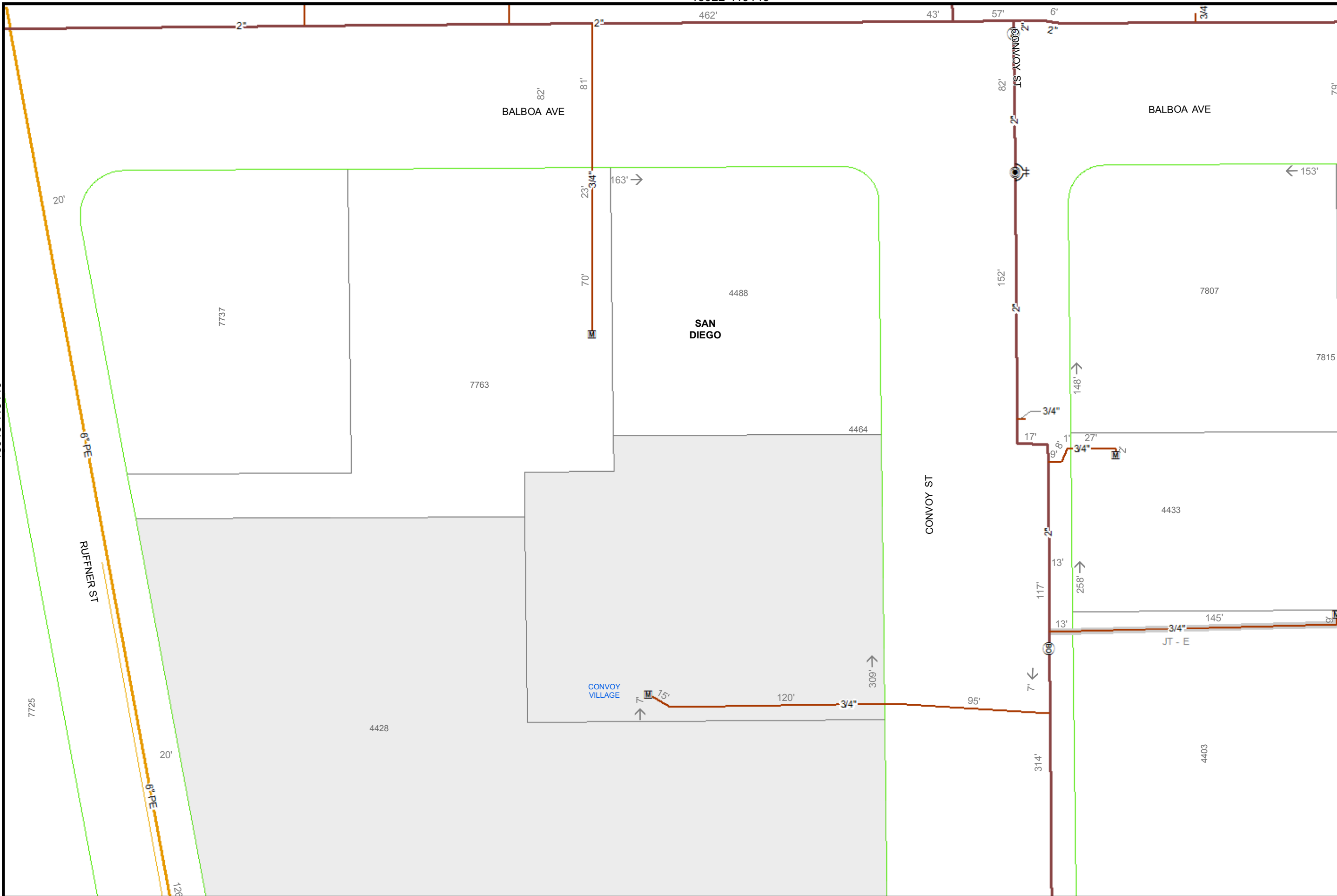



 Sempra Energy utility

15915-119135

15930-119135

15915-119140



15922-119145

15922-119135



40  
Feet

Map Number: 15922-119140

Map Type: Gas Asset Map

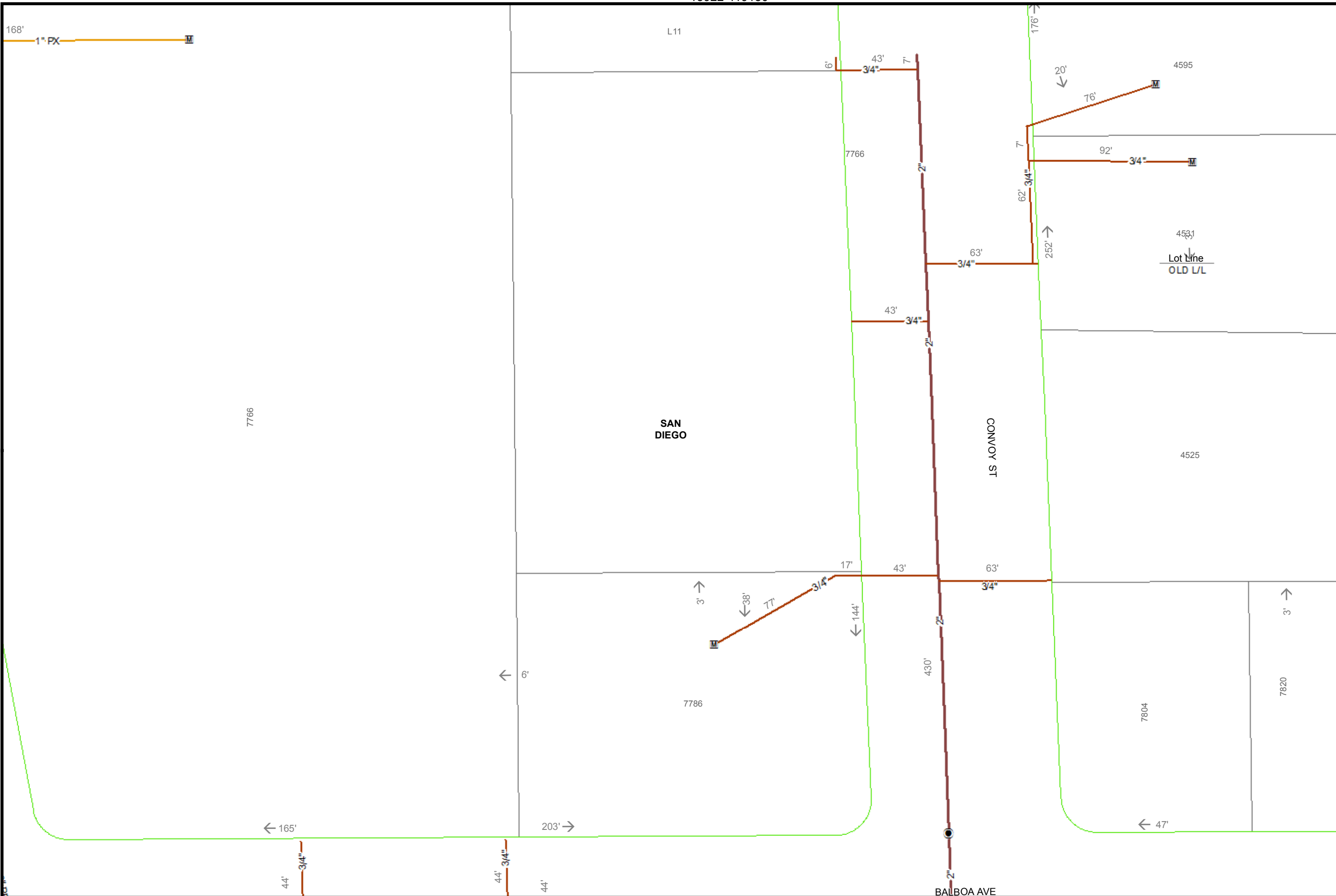
Printed By: ekaufma1


Printed Date: 6/13/2018

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15930-119140

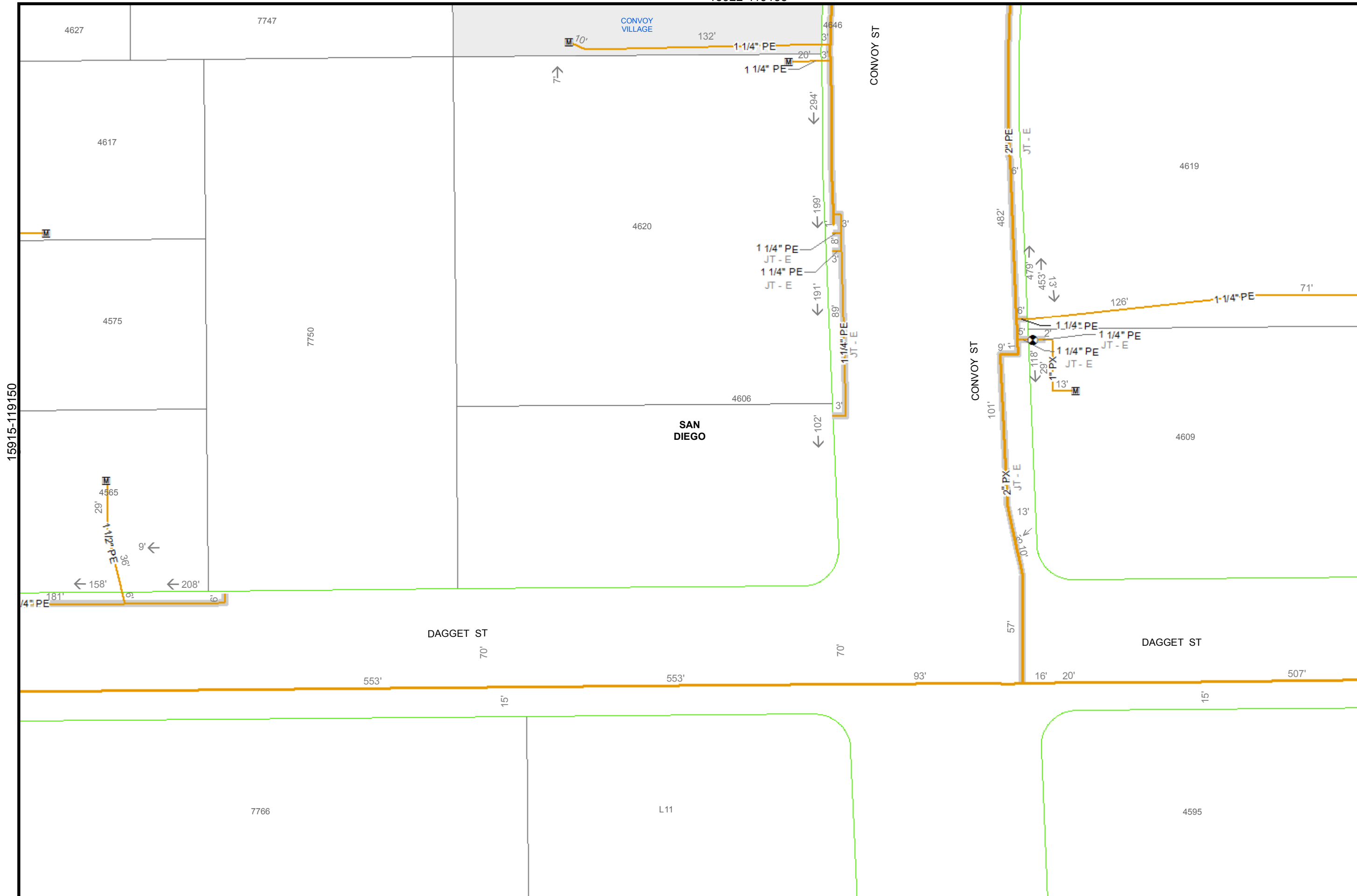


  
**40**  
 Feet

Map Number:	15922-119145
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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40  
Feet

Map Number: 15922-119150

Map Type: Gas Asset Map

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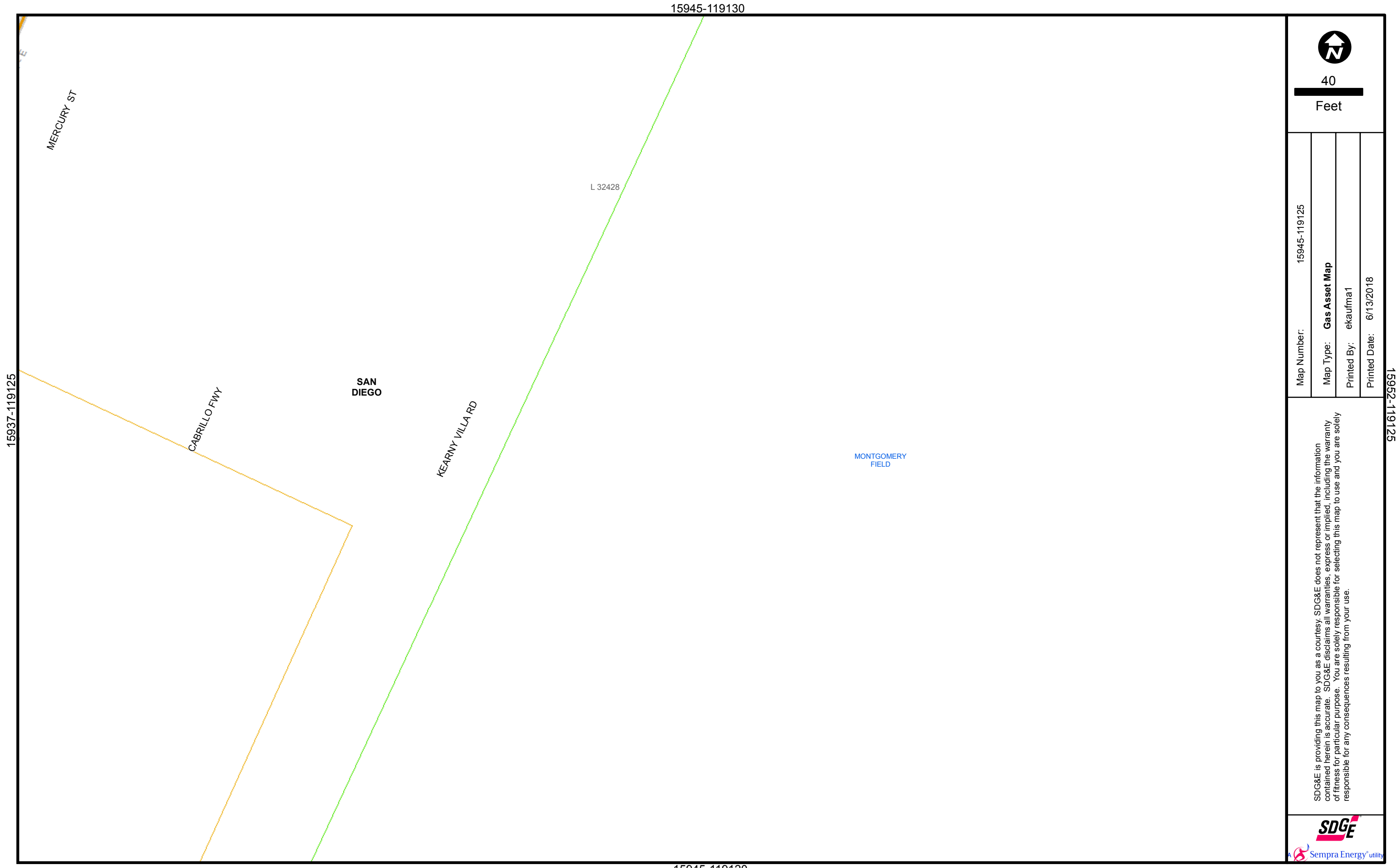
15930-119150











40  
Feet

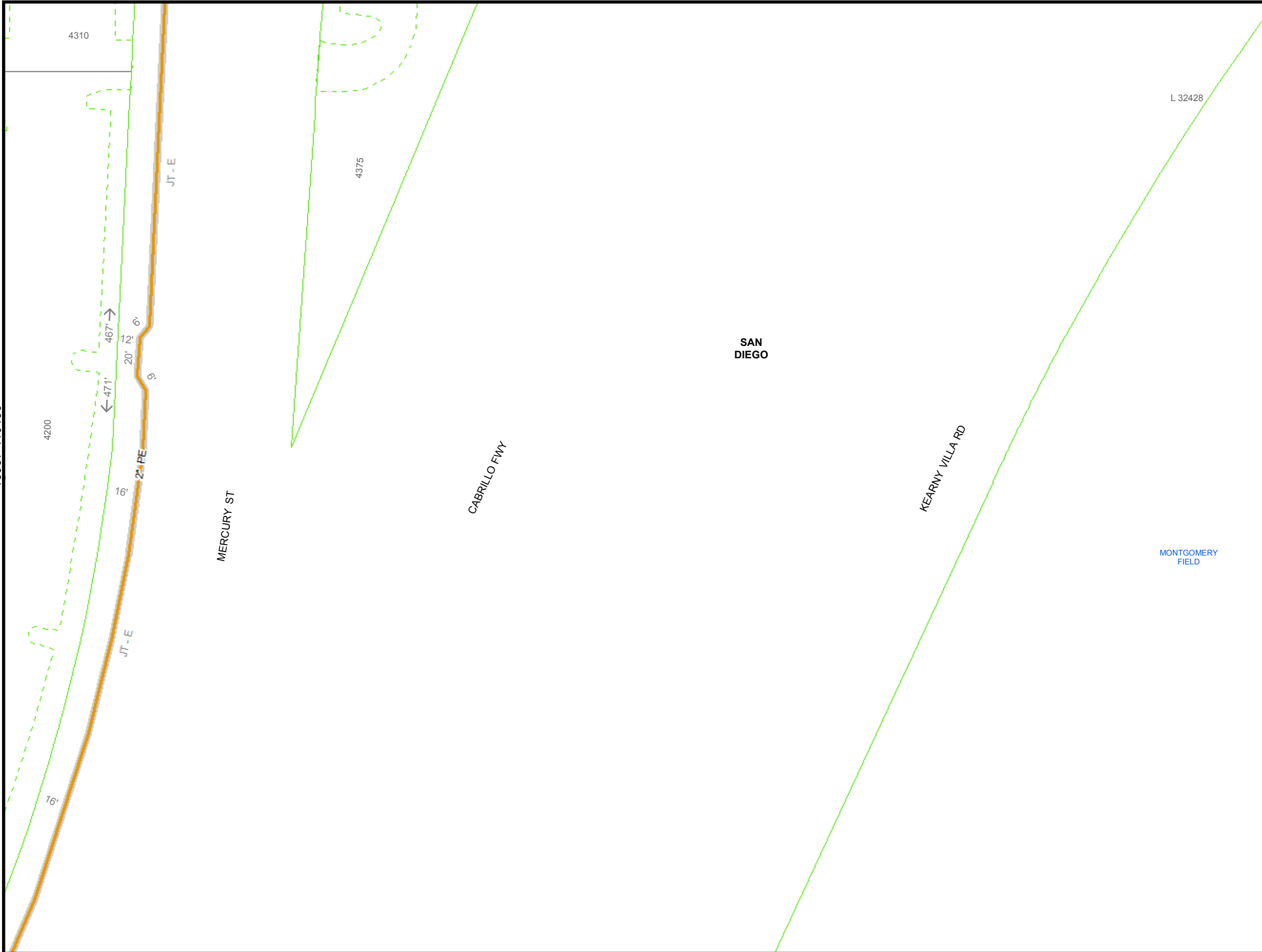
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Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15952-119125





40

Feet

Map Number: 15945-119130

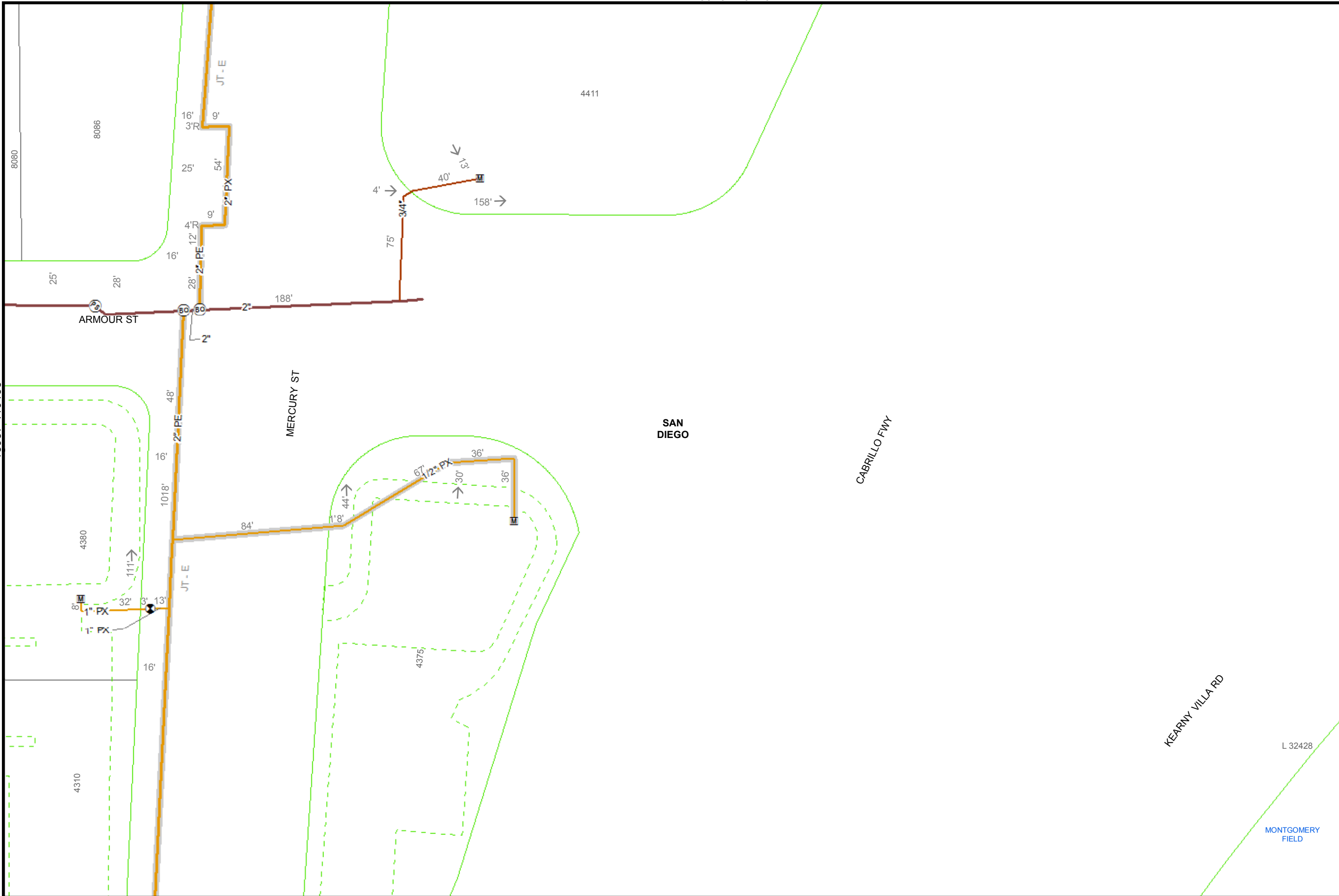
Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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40

Feet

Map Number: 15945-119135

Map Type: Gas Asset Map

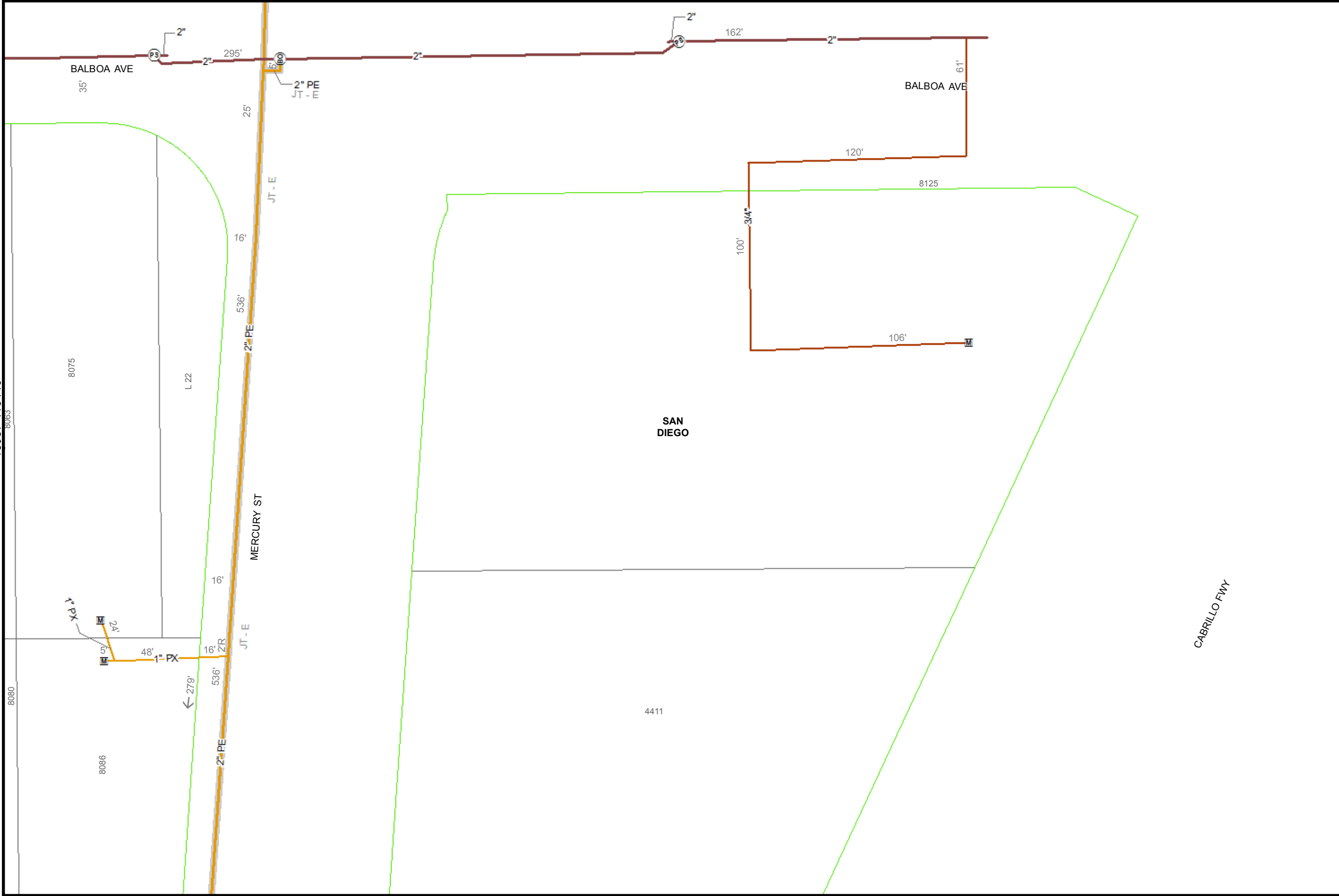
Printed By: ekaufma1

Printed Date: 6/13/2018

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15937-119140



15945-119145

15945-119135



40  
Feet

Map Number: 15945-119140

Map Type: Gas Asset Map

Printed By: ekaufma1

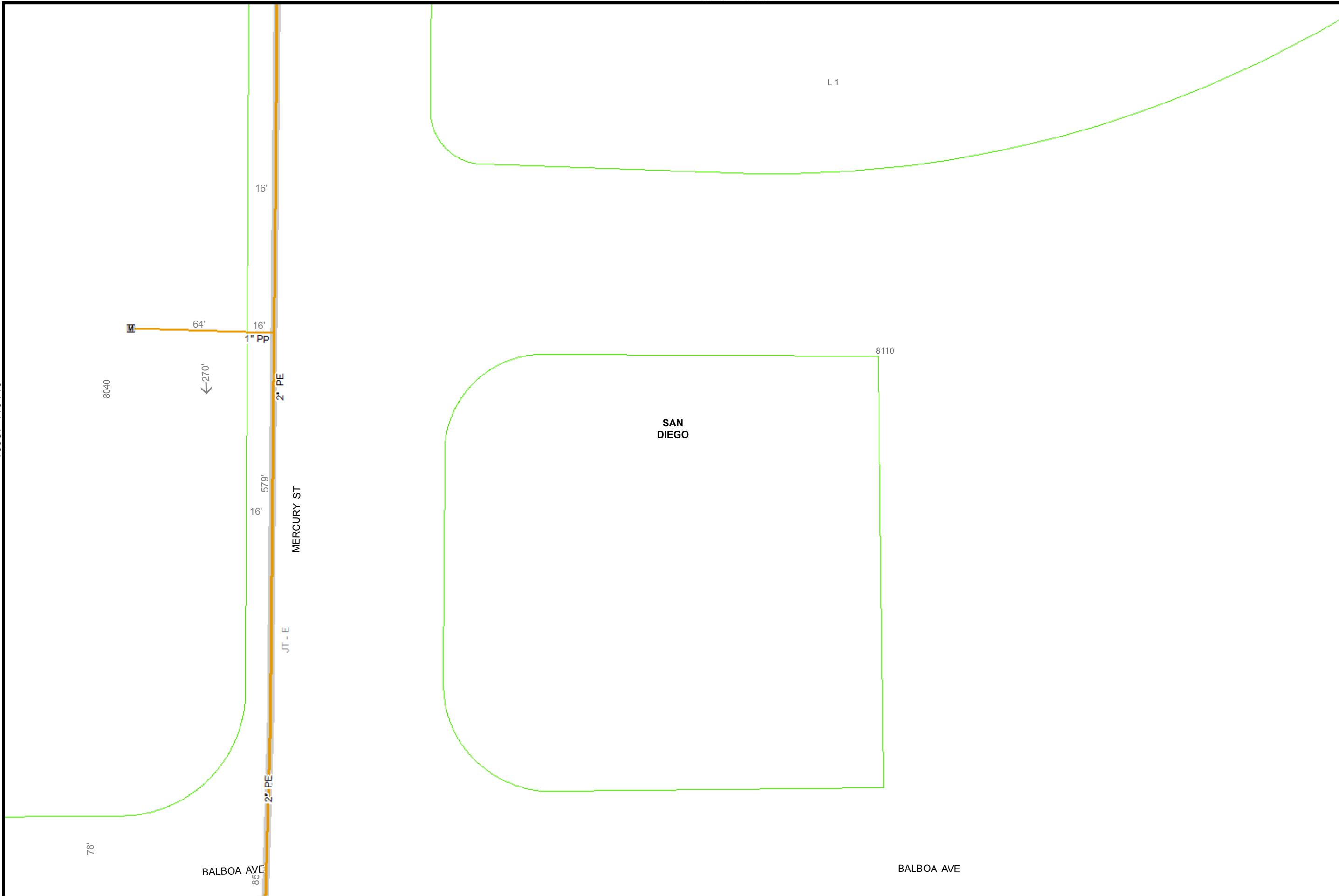
Printed Date: 6/13/2018

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SDG&E  
Sempra Energy utility

15952-119140



40  
Feet

Map Number: 15945-119145

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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40  
Feet

Map Number: 15945-119150

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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4686

4683

8285

4665

8315

KOREAN HOPE CHURCH

4653

SAN DIEGO

4650

8260

8330

8330

420'

4664

4650

4626

L 15

L 37



40

Feet

Map Number: 15945-119155

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

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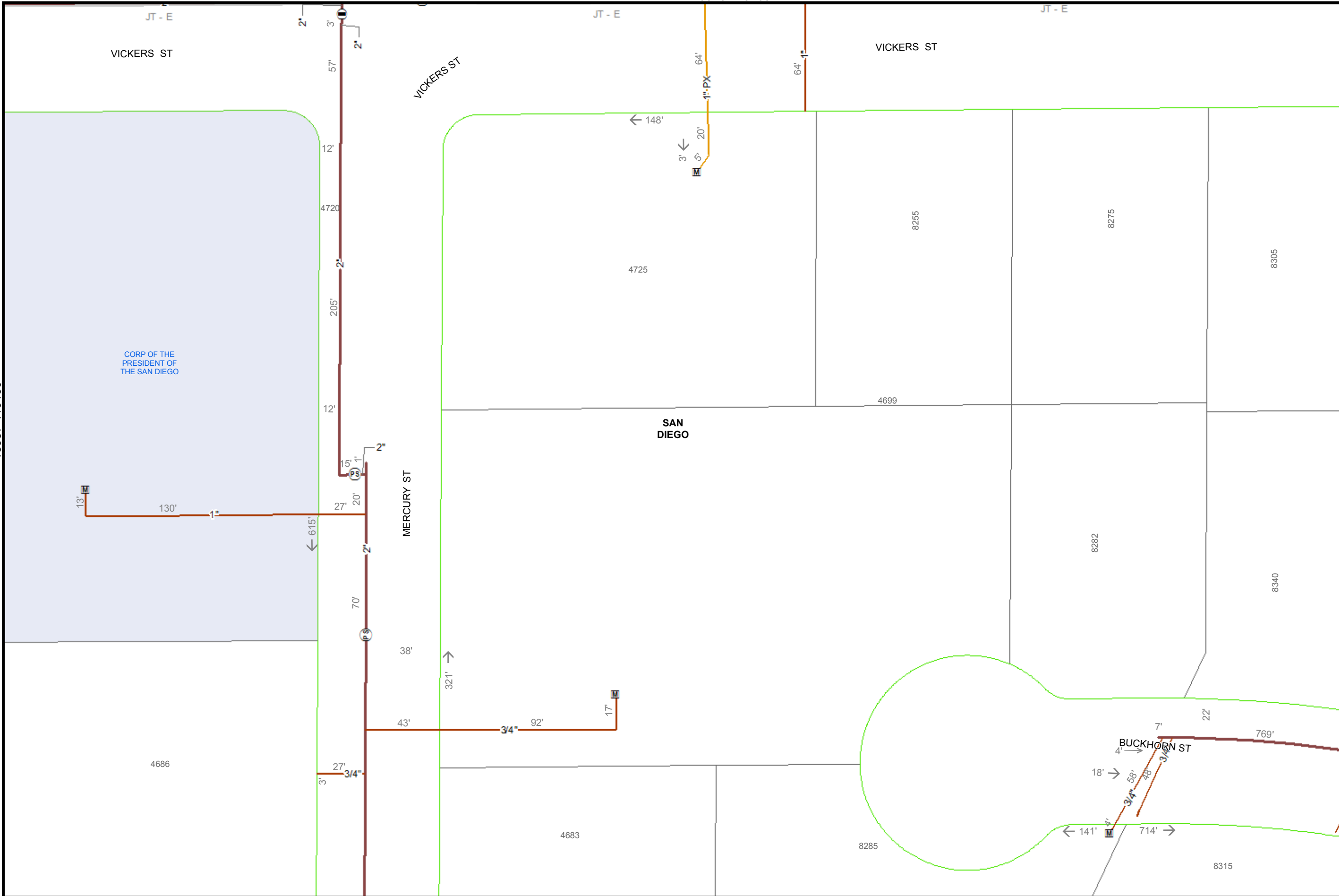


Sempra Energy utility

15937-119155

15952-119155

15937-119160



15945-119165

JT - E

VICKERS ST

VICKERS ST

VICKERS ST

1" PX

64' 1"

64' 1"

148'

3' 5'

20'

12'

4720

205'

12'

12'

13'

130'

1"

27'

20'

15'

1"

2'

MERCURY ST

MERCURY ST

70'

38'

321'

43'

3/4"

92'

17'

27'

3/4"

3'

4686

4683

4725

4699

8255

8275

8305

8282

8340

BUCKHORN ST

7'

22'

769'

18'

4'

58'

38'

3/4"

3/4"

141'

714'

8285

8315

15945-119155

40

Feet

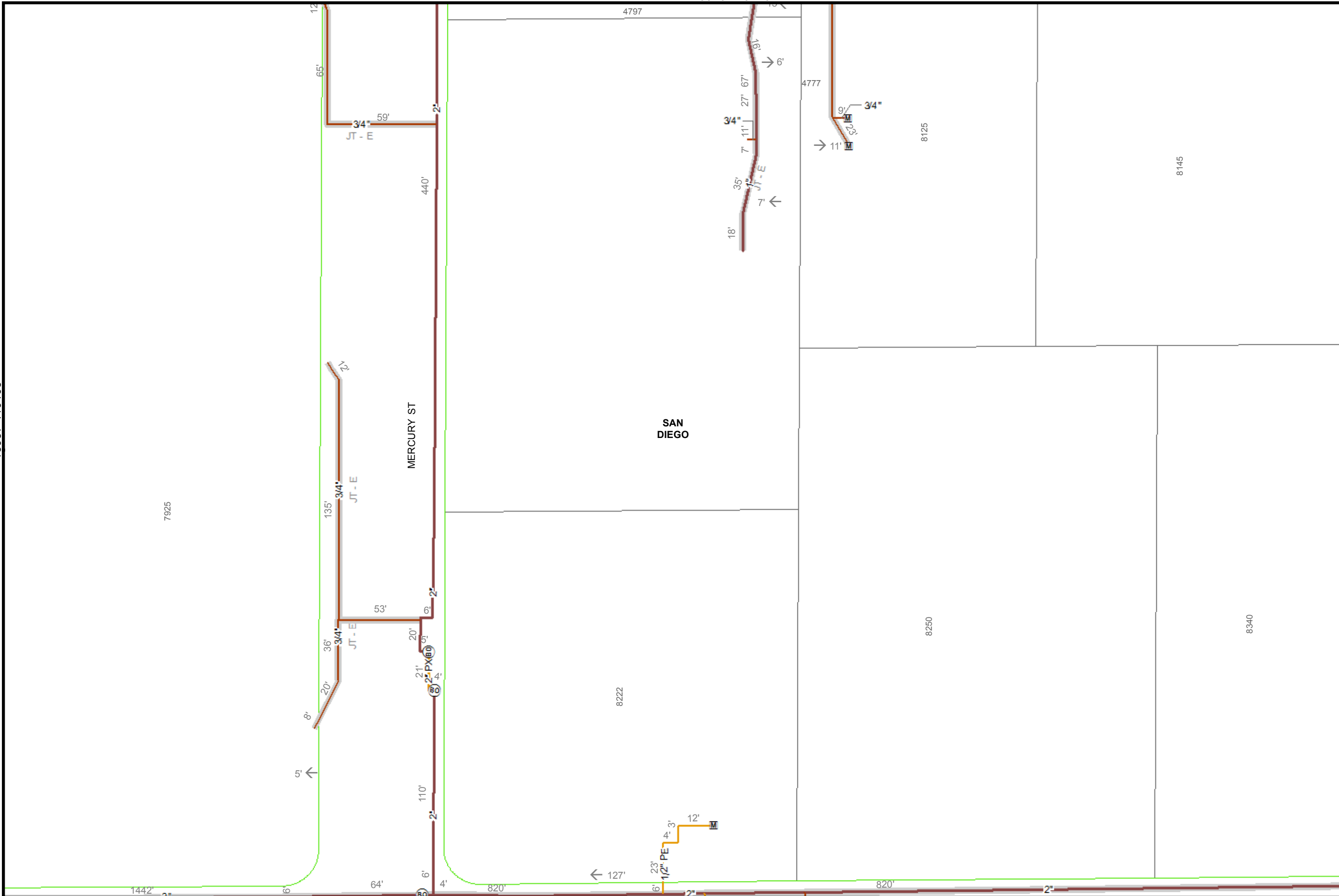
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Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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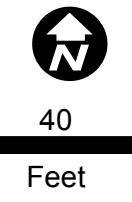


15952-119160

15937-119165



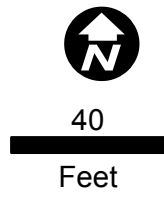
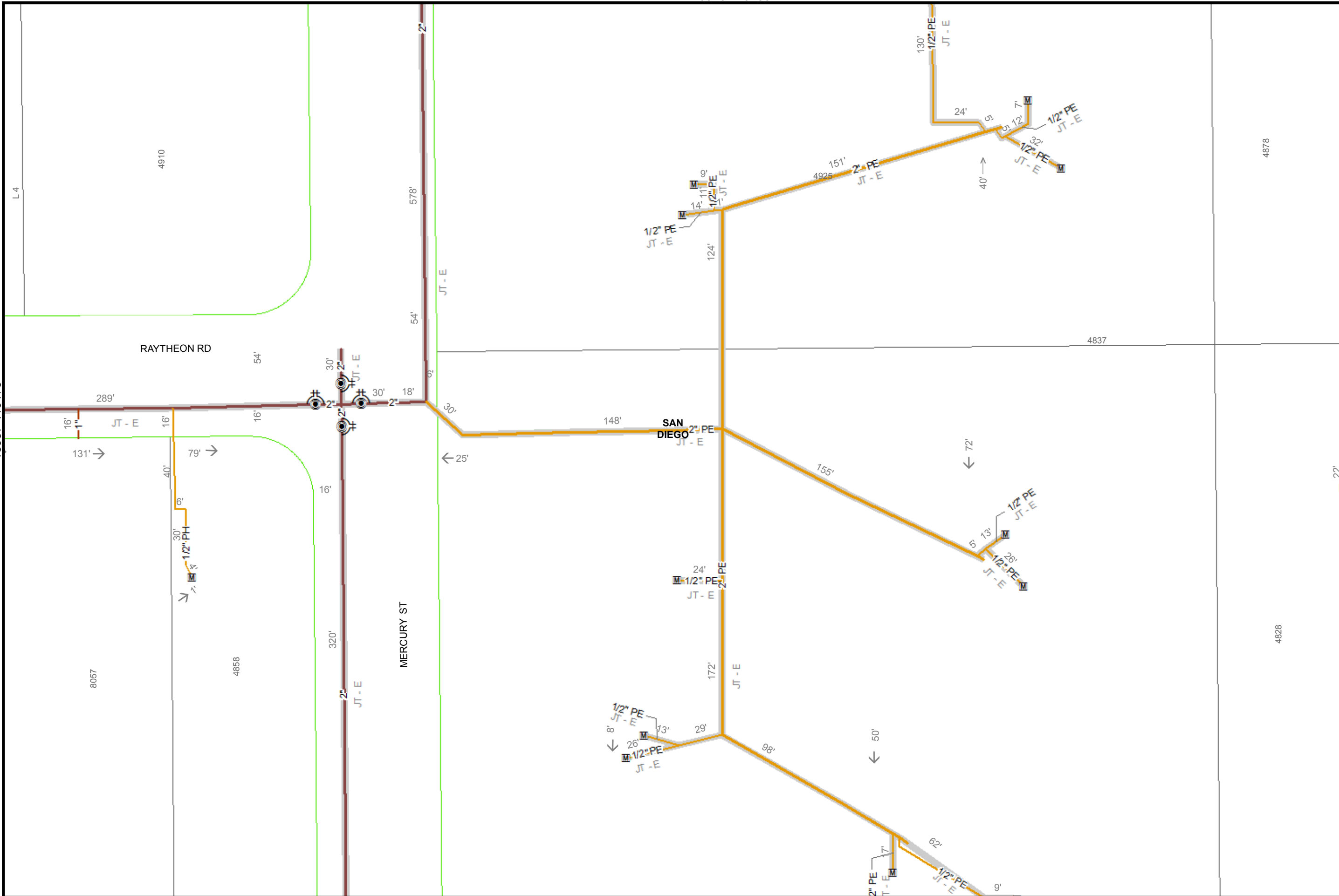




Map Number:	15945-119170
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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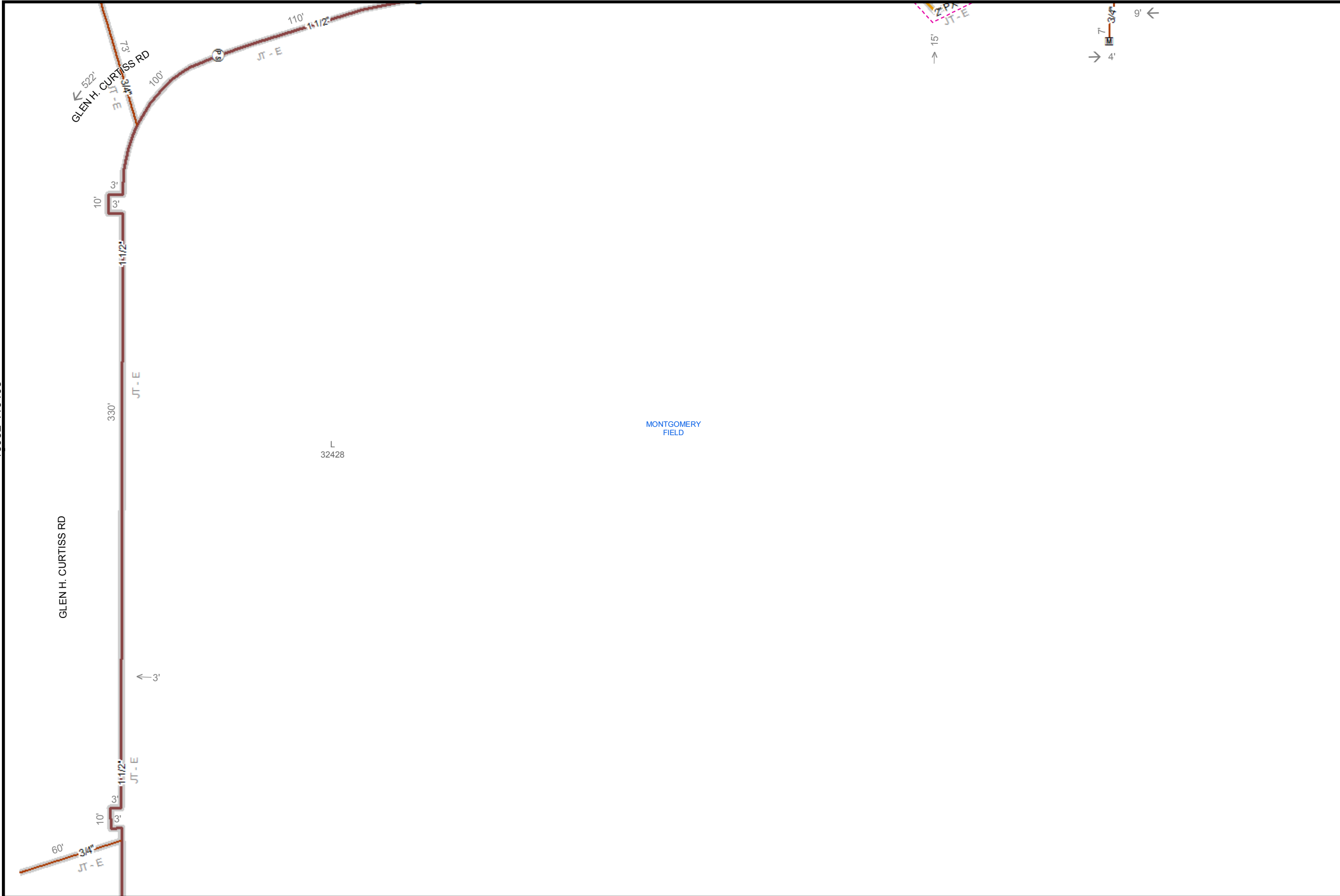


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Printed By:	ekaufma1
Printed Date:	6/13/2018

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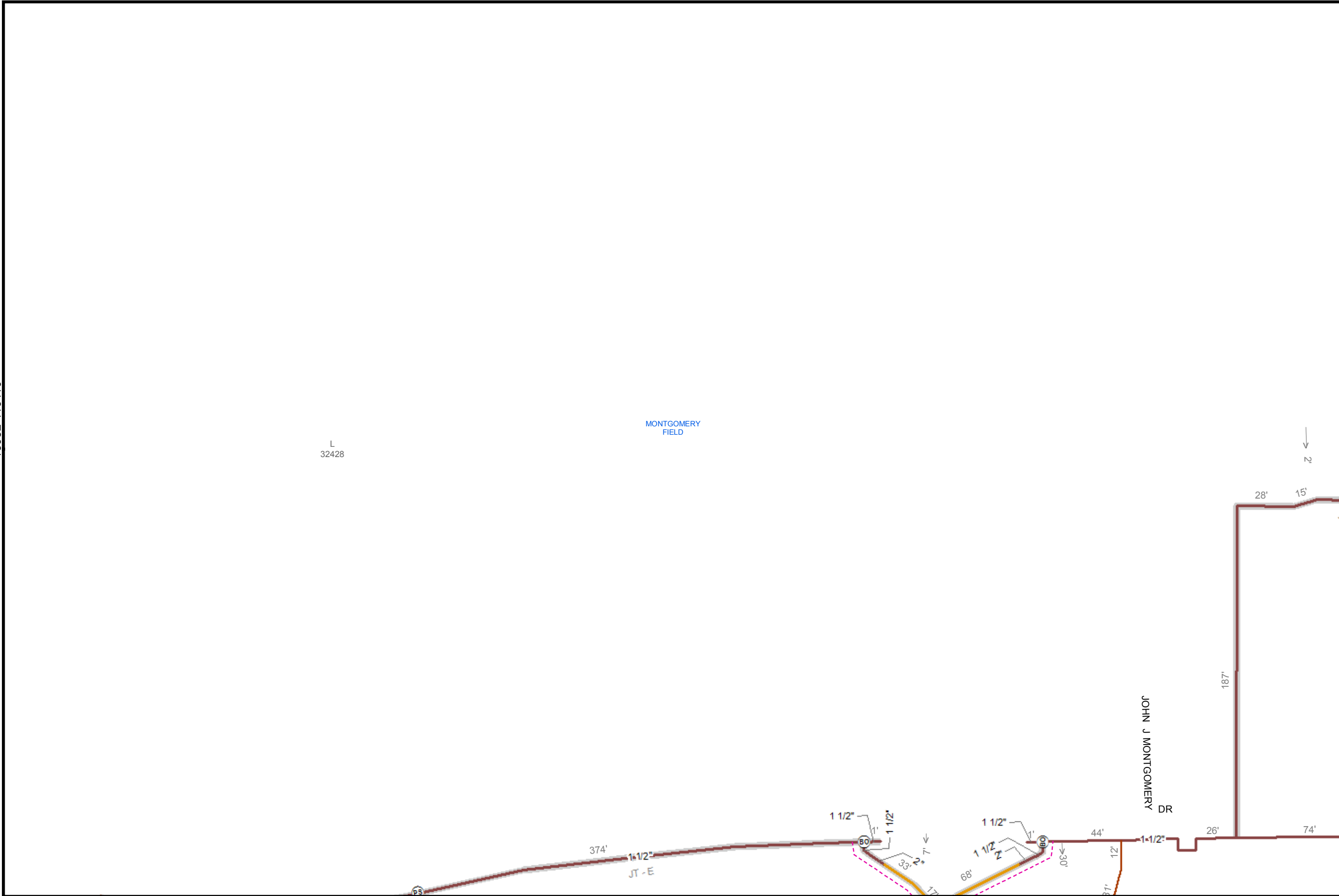
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Feet


Map Number:	15960-119105
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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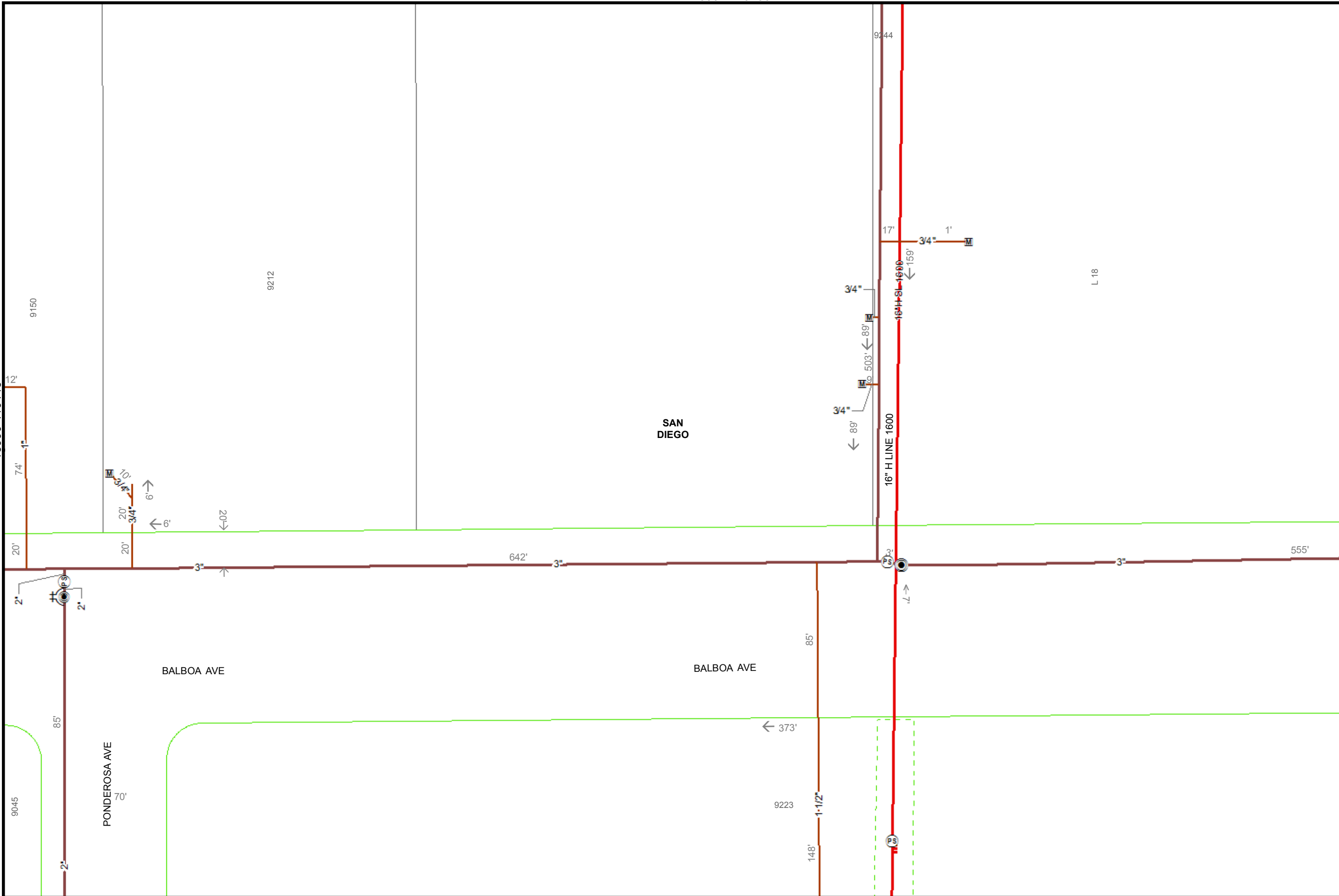


  
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 Feet

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Printed By:	ekaufma1
Printed Date:	6/13/2018

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Feet

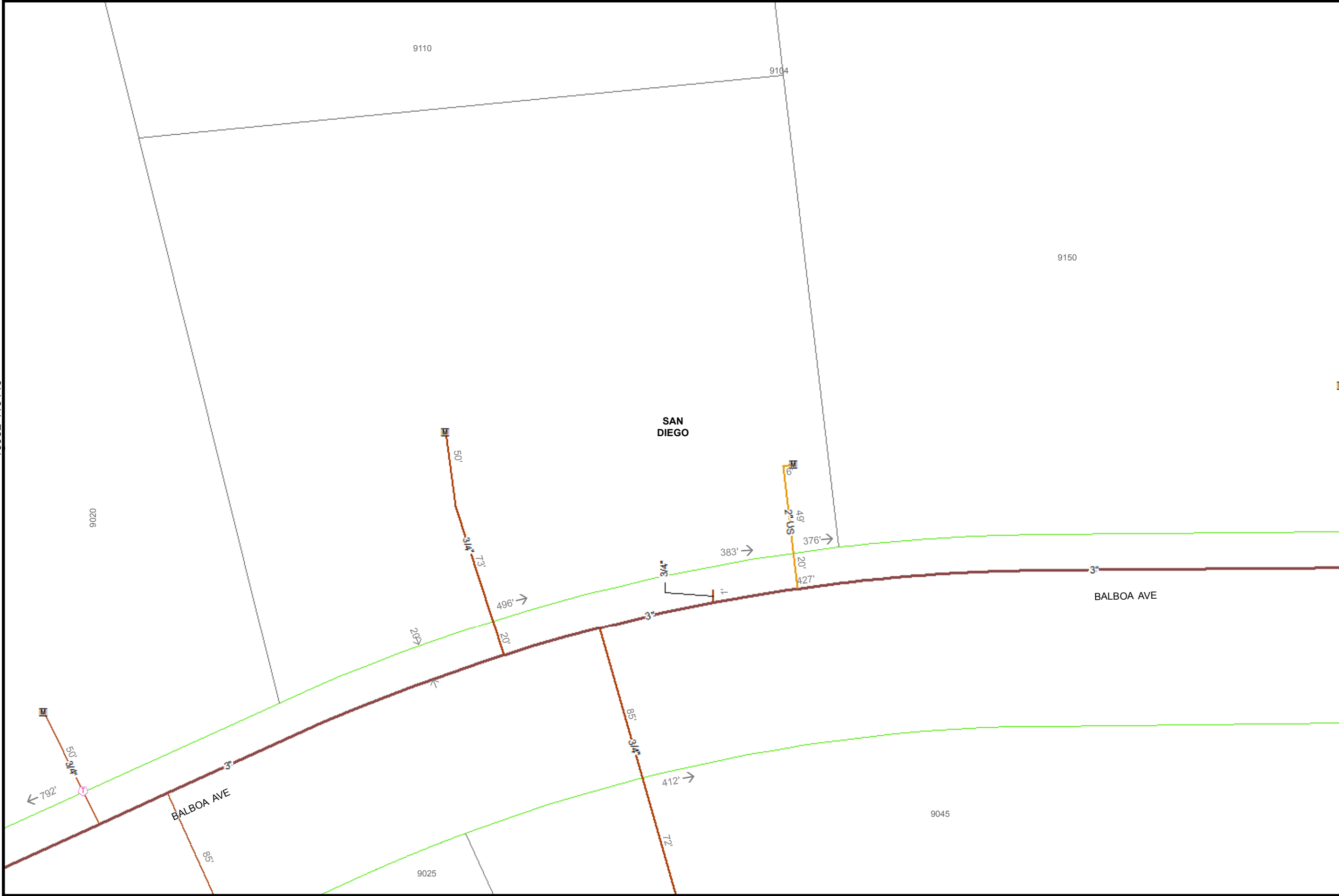
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15982-119145

15990-119150



15990-119140



40

Feet

Map Number: 15990-119145

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

15997-119145

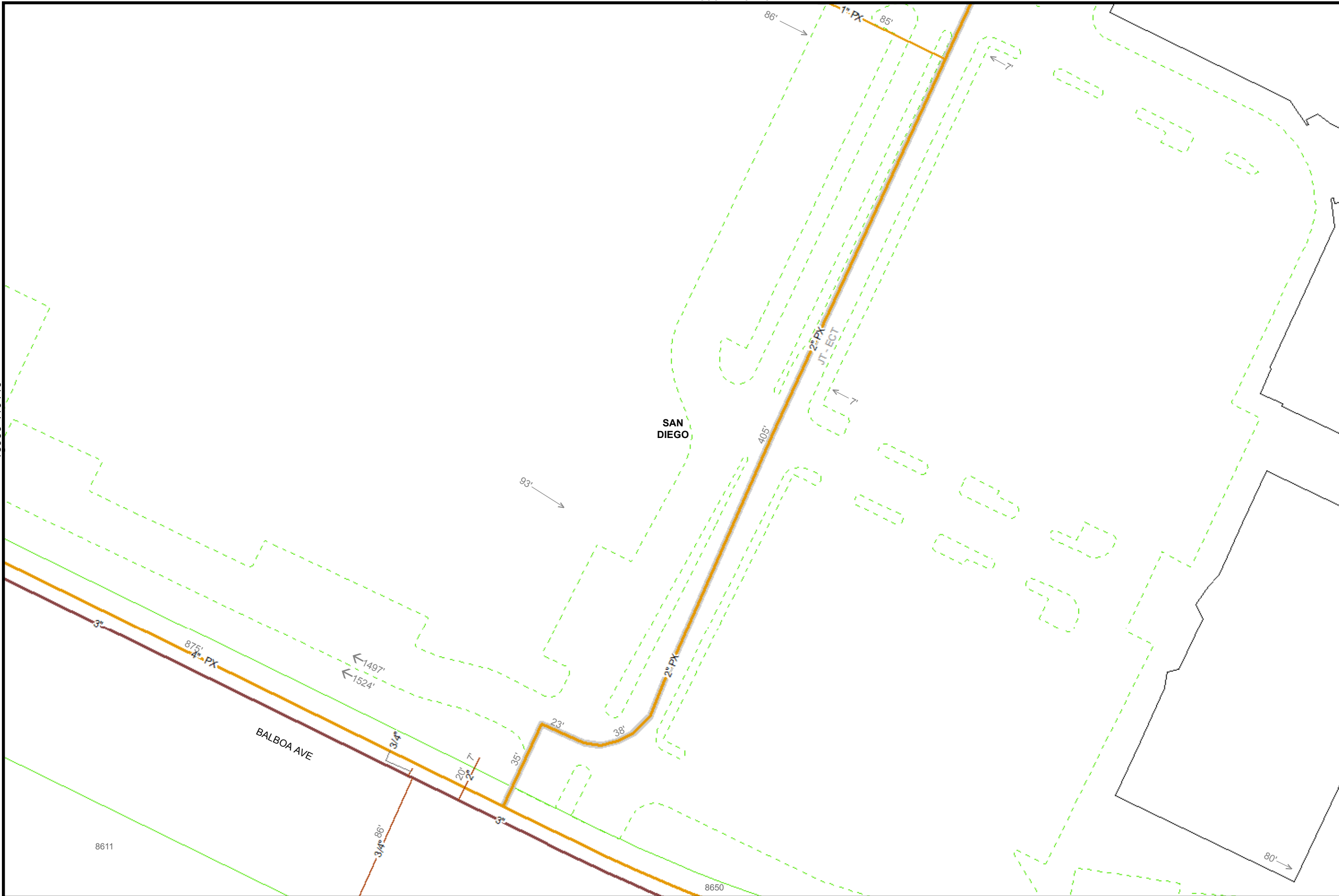
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Sempra Energy utility

15960-119140

15967-119145



  
 40  
 Feet

Map Number:	15967-119140
Map Type:	Gas Asset Map
Printed By:	ekaufma1
Printed Date:	6/13/2018

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15975-119140

15967-119135



40

Feet

Map Number: 16012-119145

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

16020-119145

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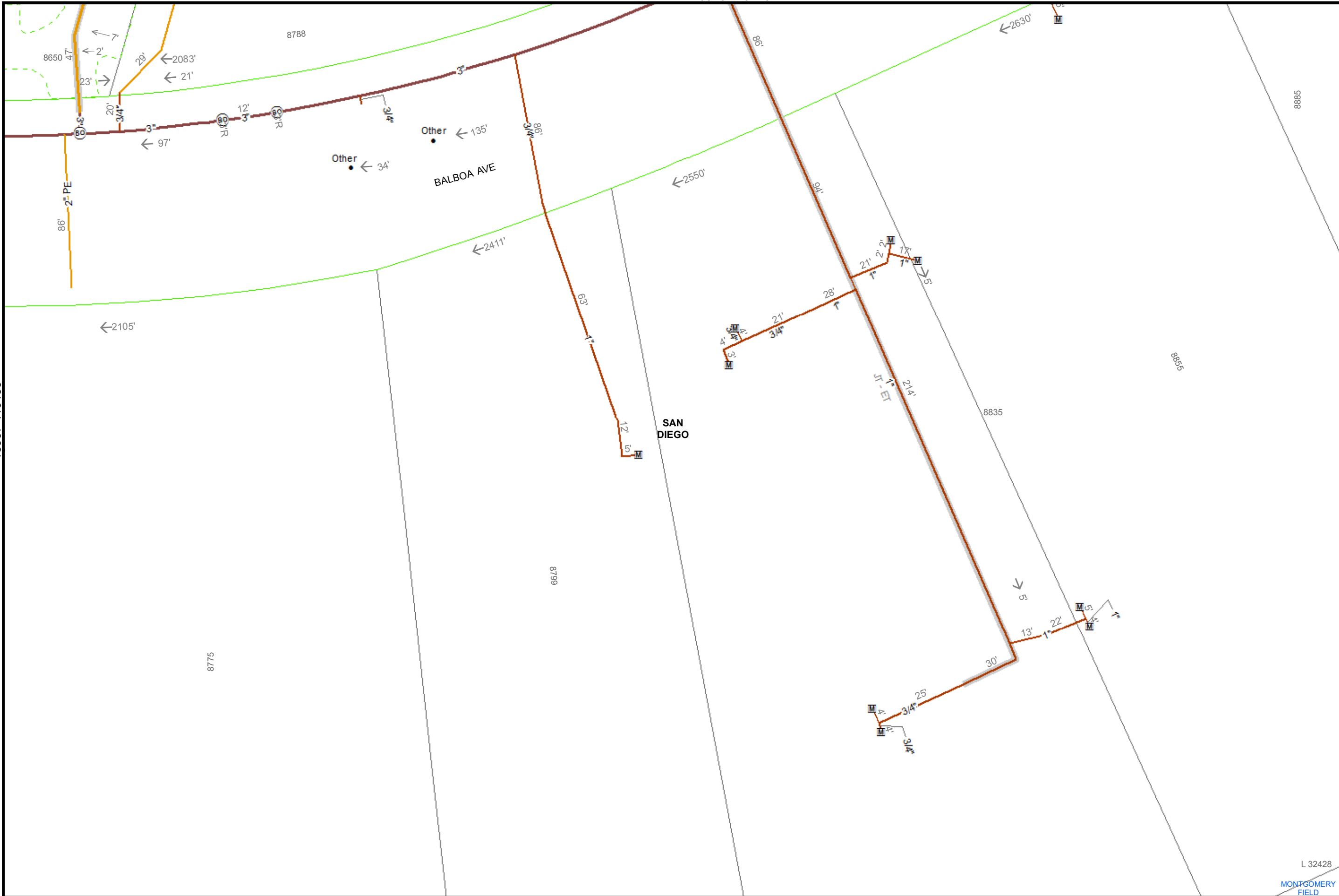
Sempra Energy utility

16005-119145





15967-119135



15975-119140

15975-119130



40

Feet

Map Number: 15975-119135

Map Type: Gas Asset Map

Printed By: ekaufma1

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15982-119135

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L 32428



BALBOA AVE

BALBOA AVE

CABRILLO FWY

SAN DIEGO

KEARNY VILLA RD

L 4

L 32428

MONTGOMERY FIELD



40

Feet

Map Number: 15952-119140

Map Type: Gas Asset Map

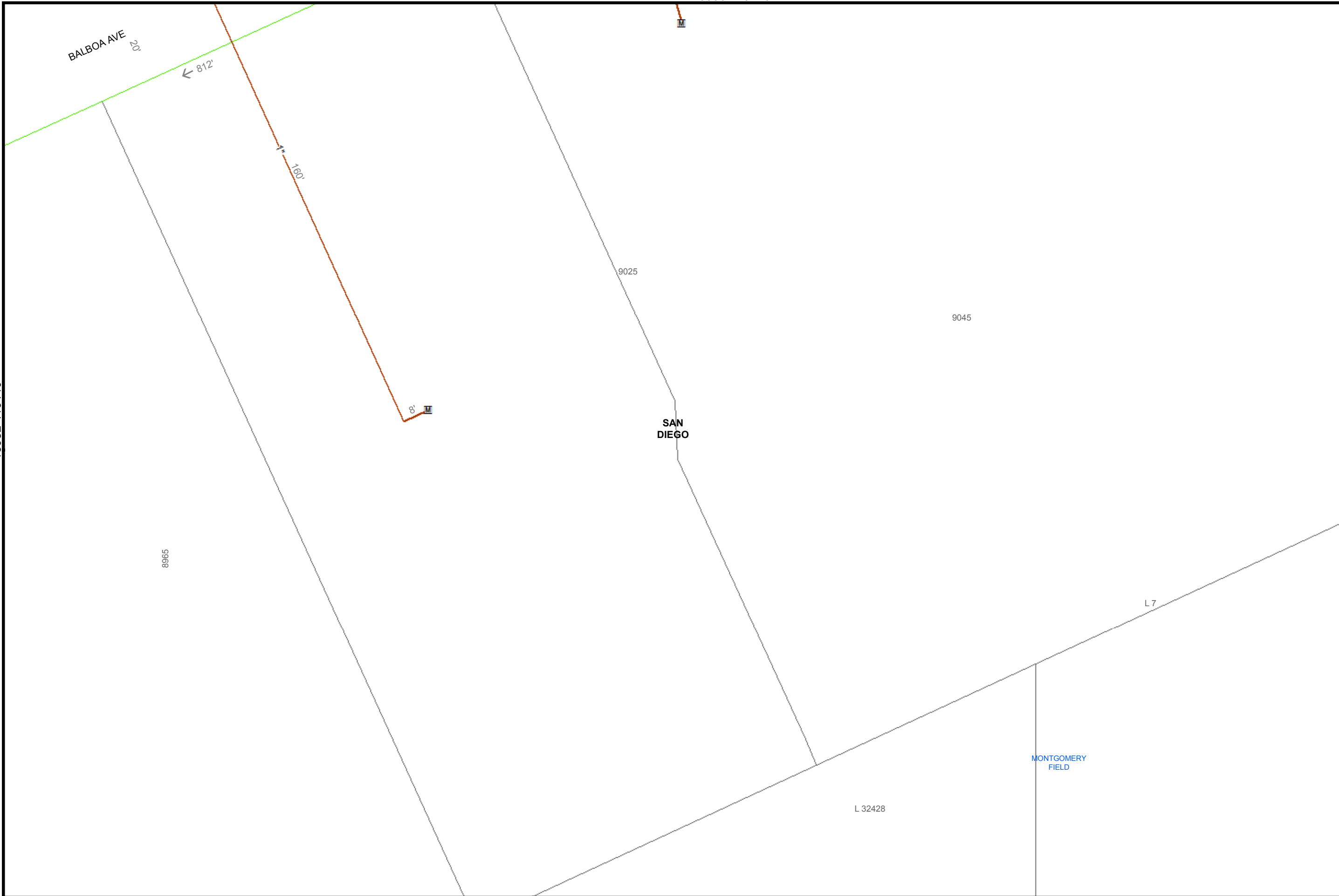
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Printed Date: 6/13/2018

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15982-119140



15990-119145



40

Feet

Map Number: 15990-119140

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

15997-119140

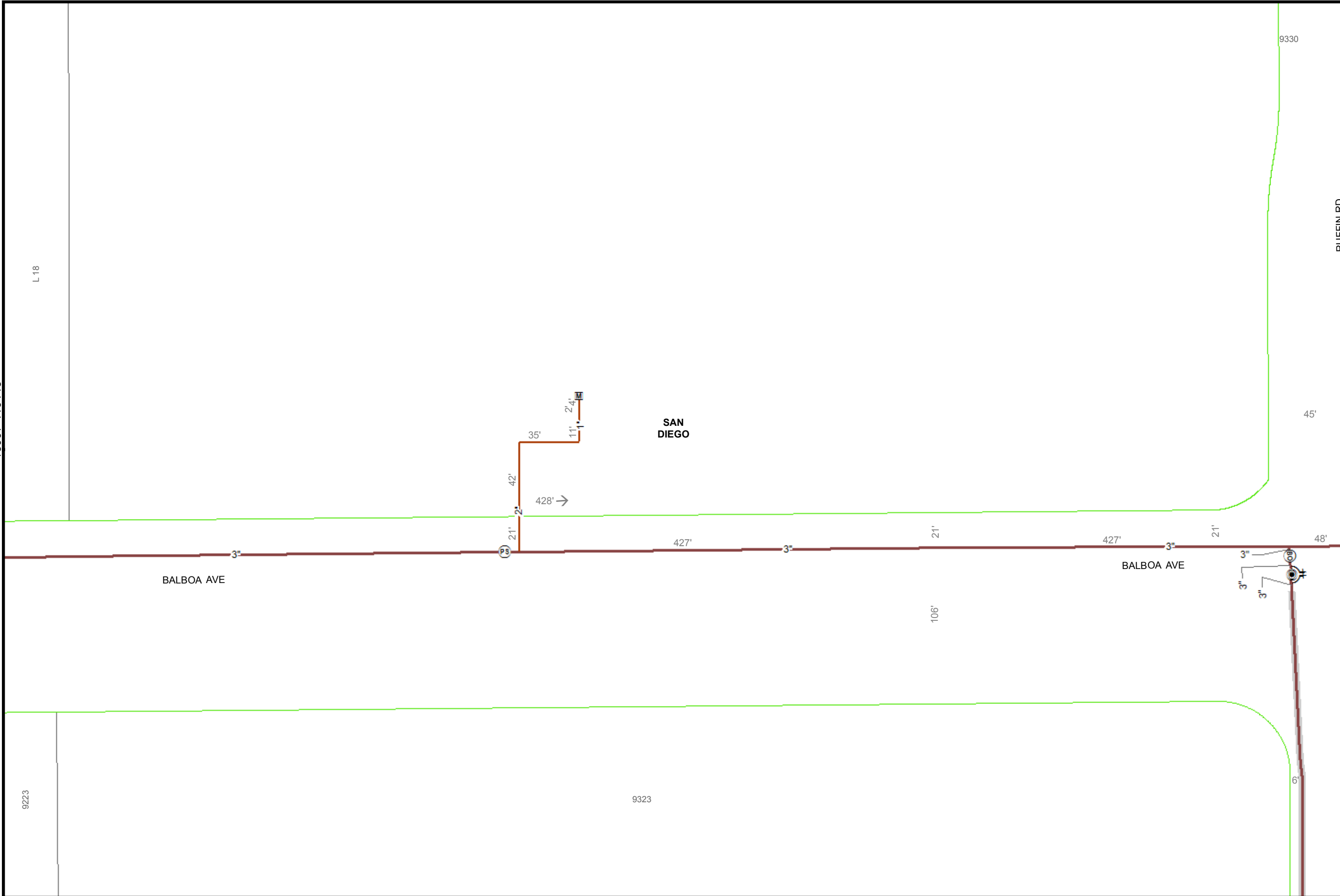
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Sempra Energy utility

15990-119135

15997-119145



40  
Feet

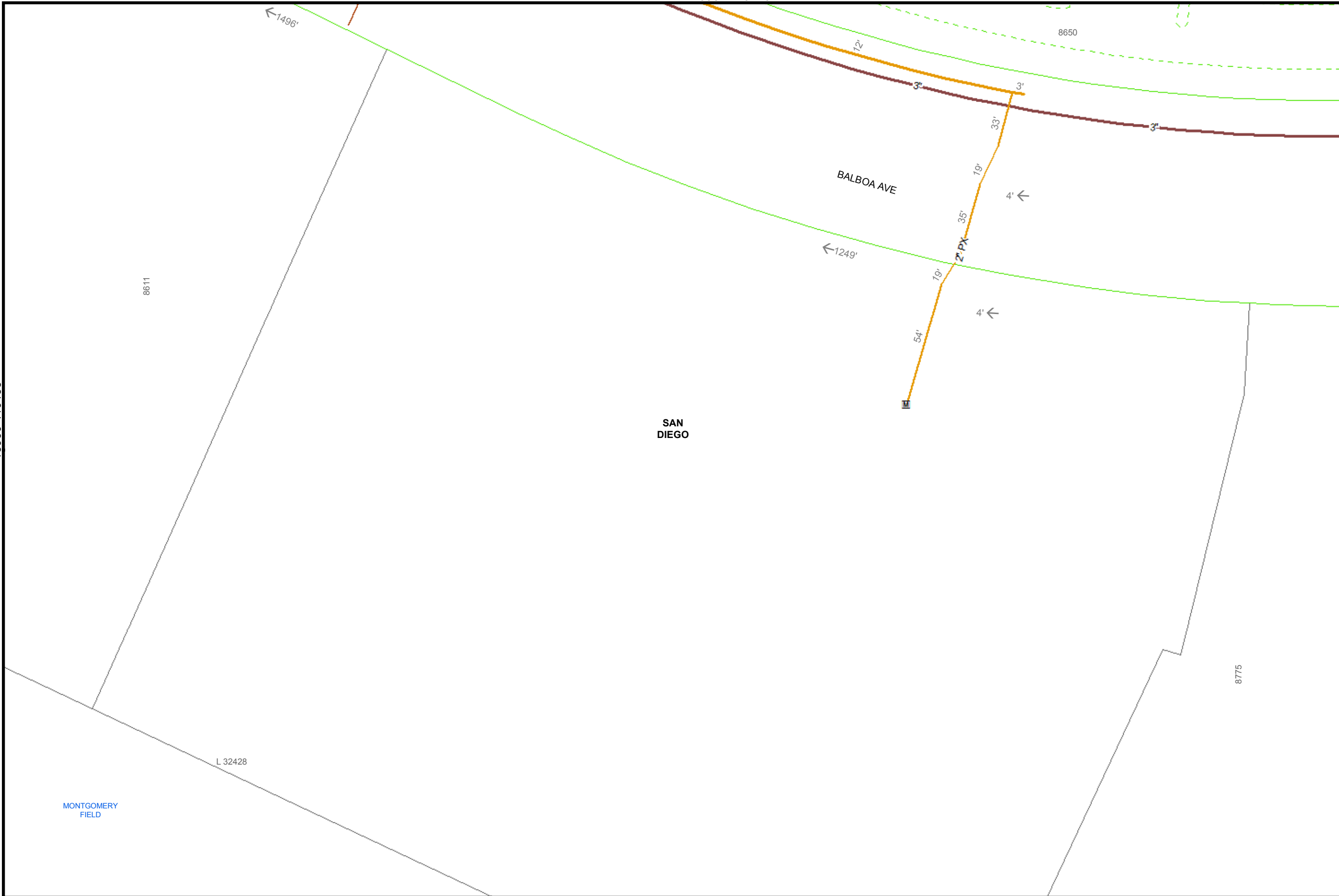
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Printed By:	ekaufma1
Printed Date:	6/13/2018

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16012-119145

15960-119135



40

Feet

Map Number: 15967-119135

Map Type: Gas Asset Map

Printed By: ekaufma1

Printed Date: 6/13/2018

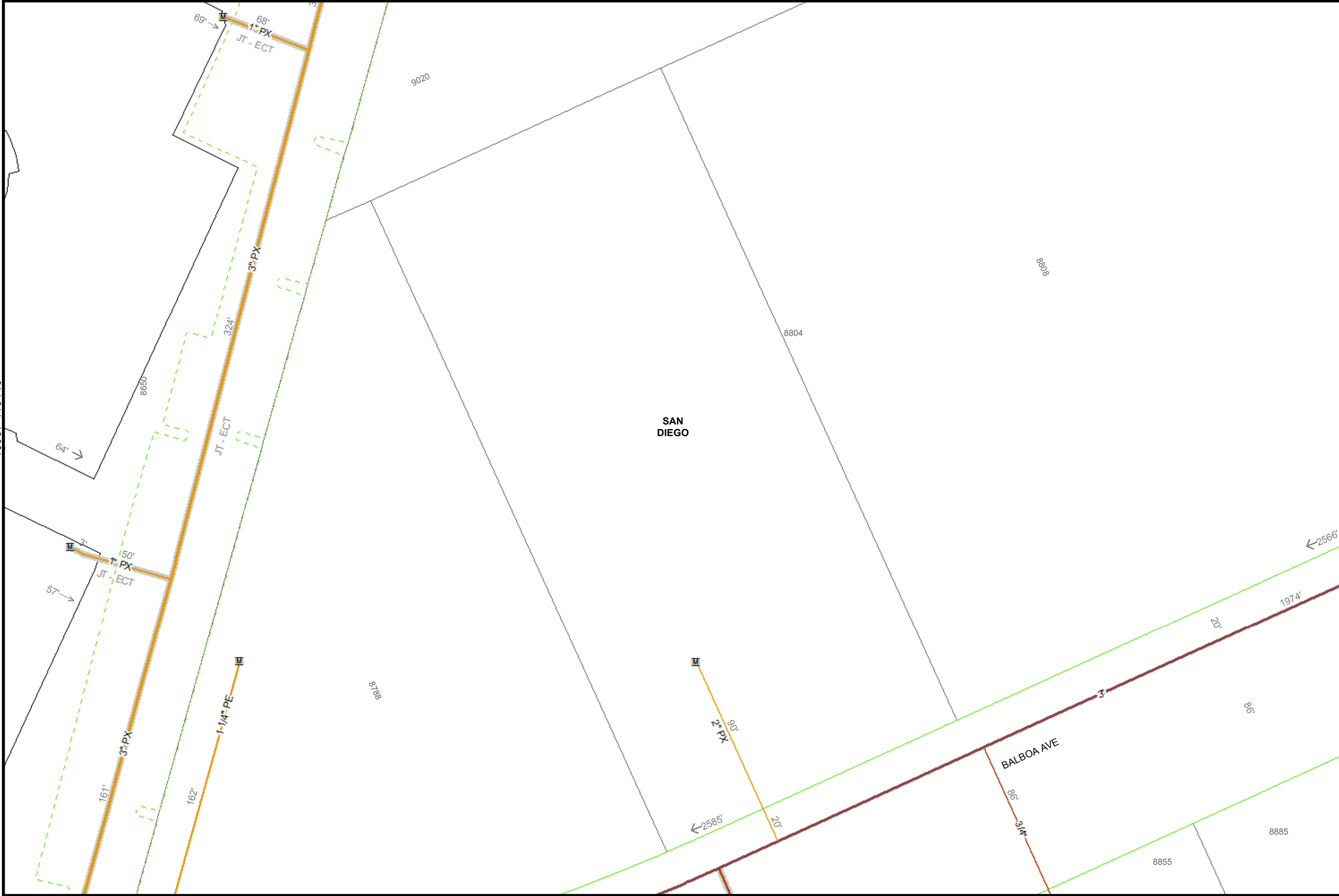
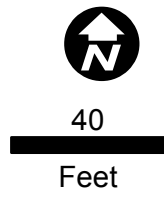
15975-119135

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A Sempra Energy utility





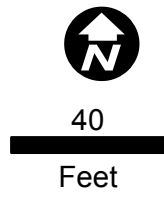
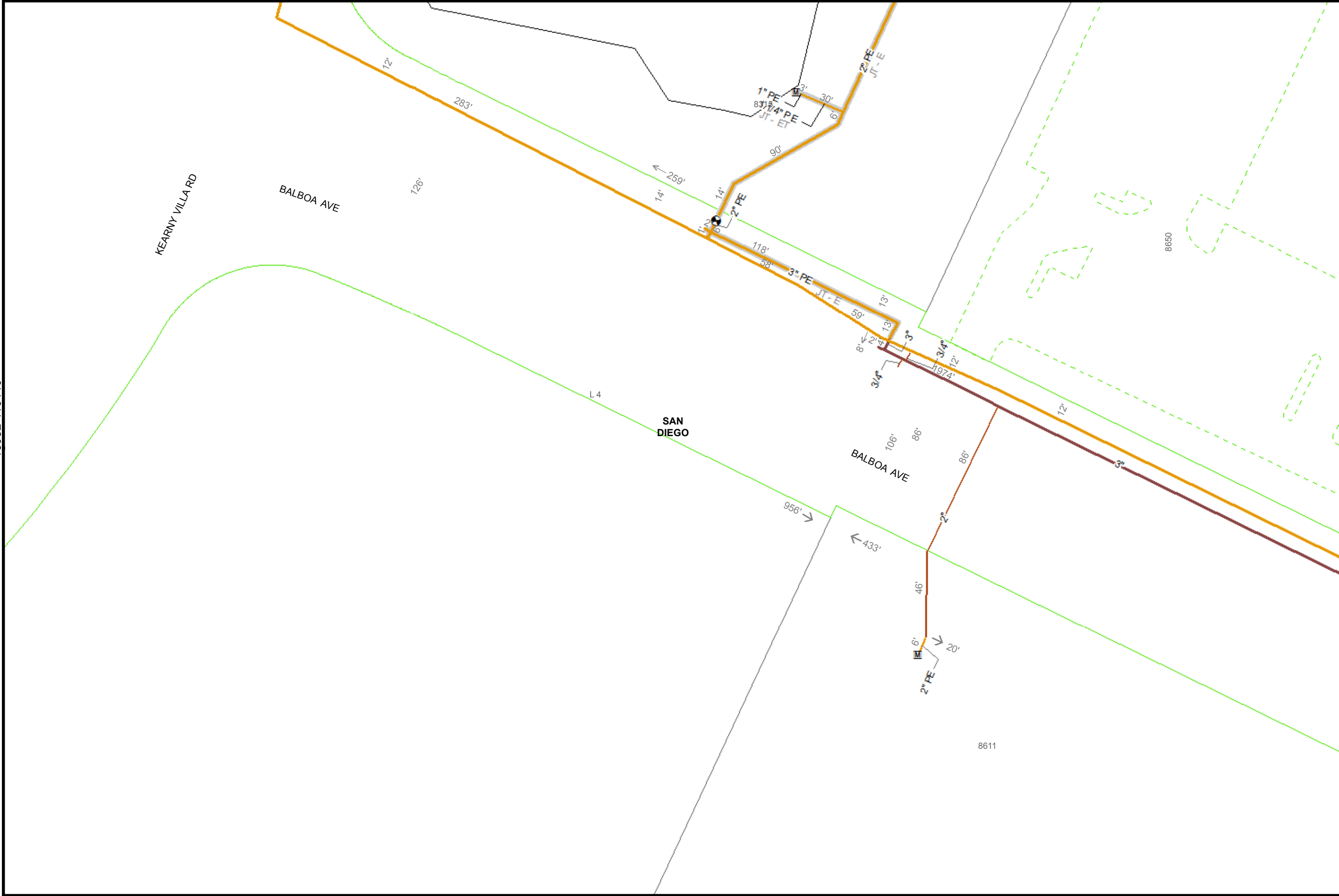
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Printed Date:	6/13/2018

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15952-119140

15960-119145



Map Number:	15960-119140
Map Type:	Gas Asset Map
Printed By:	ekaufma1
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15960-119135

15967-119140



15945-119100

L 32428

AERO DR

AERO DR

Pipeline Rehabilitation AO-1 Appendix J - Site Maps

4 EB 5" 500'

1 DB 3" 10'



0 25 50  
Feet

Map Number: 15952-119100

Map Type: **Conductor Path Map**

Printed By: CORP/ISBarton2

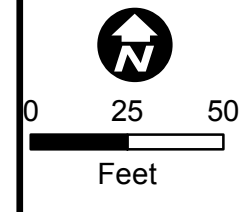
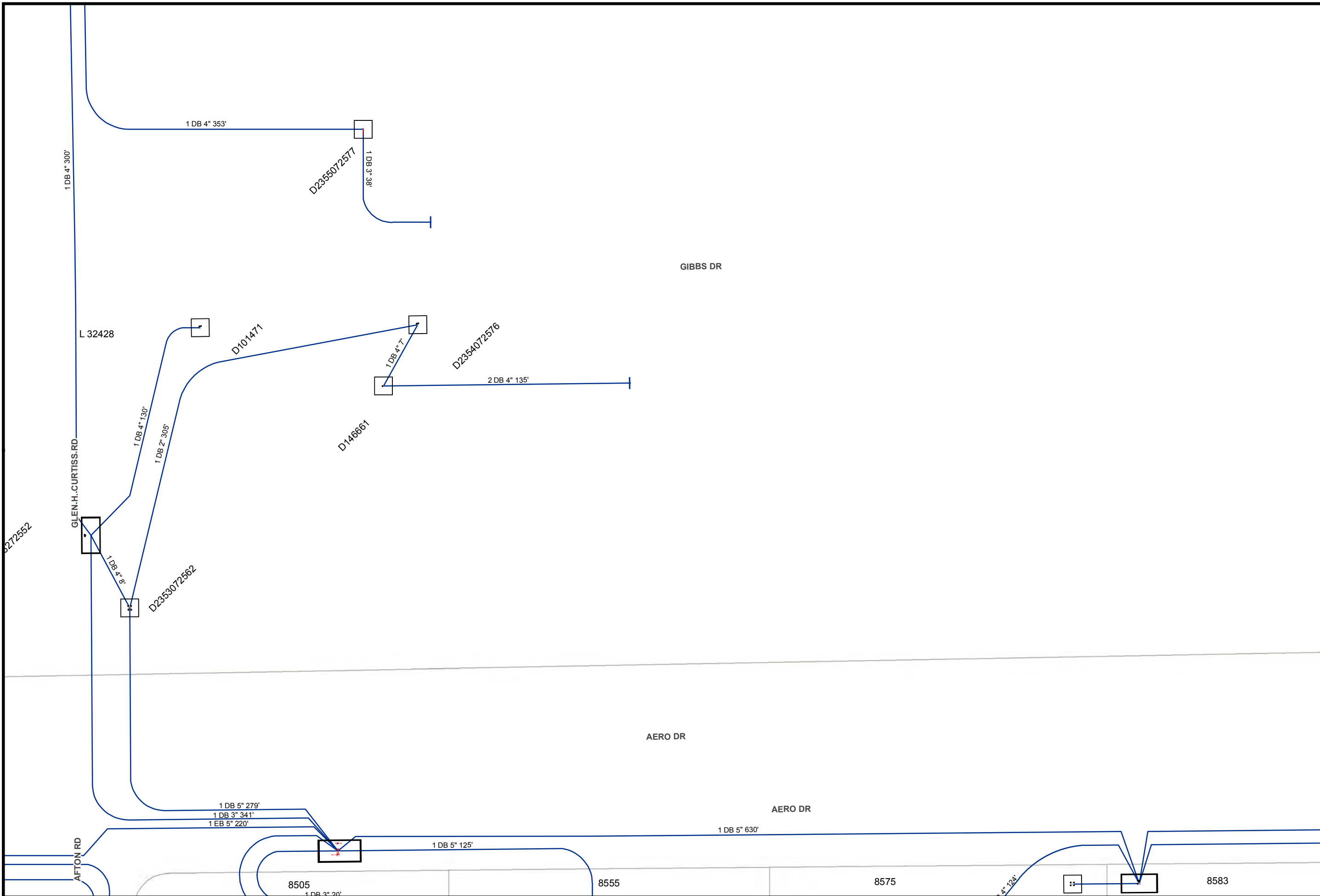
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15960-119100

15952-119100



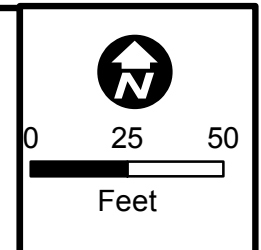
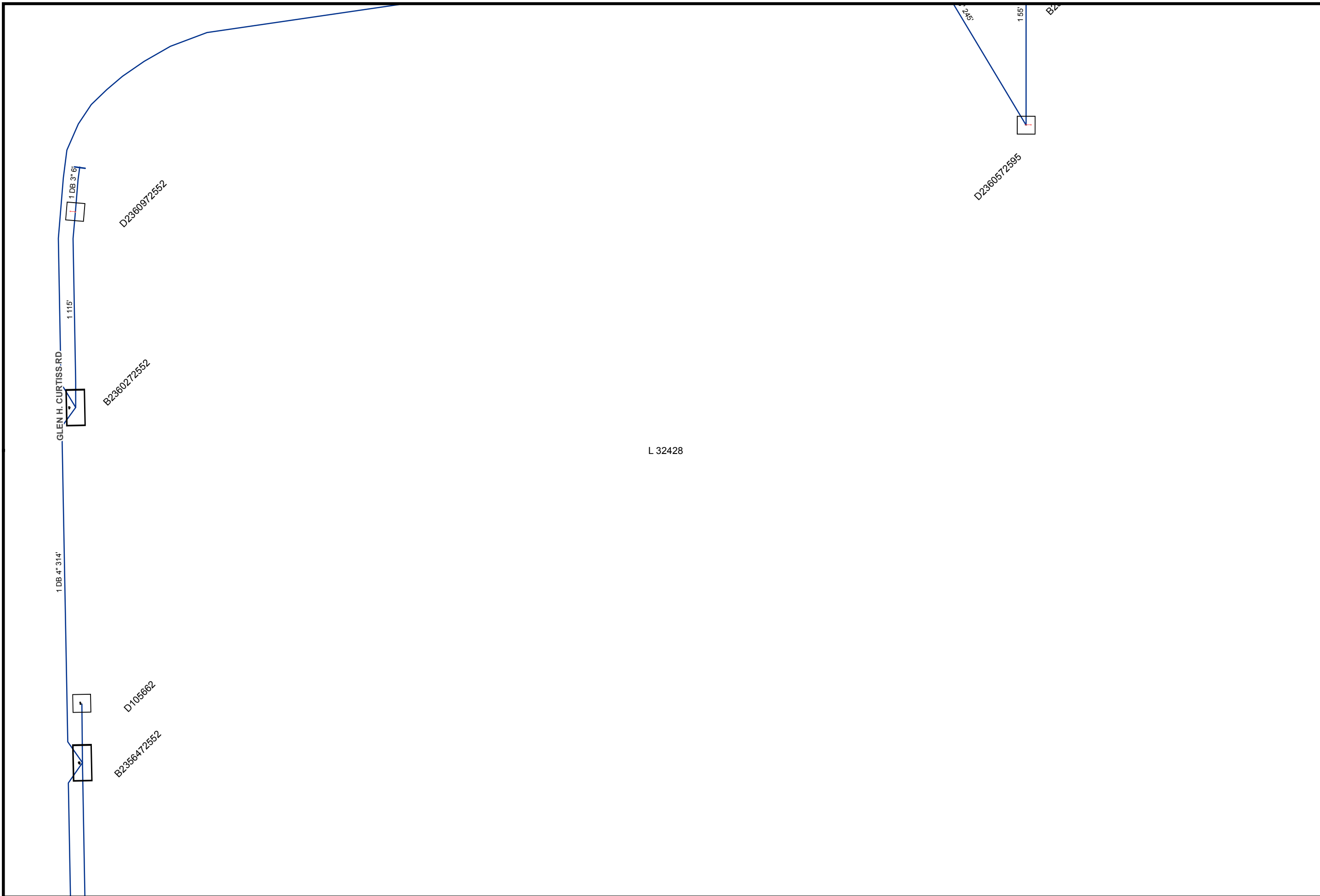
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15952-119105



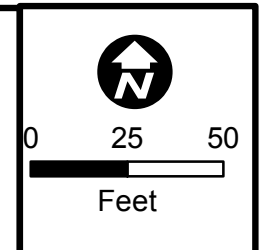
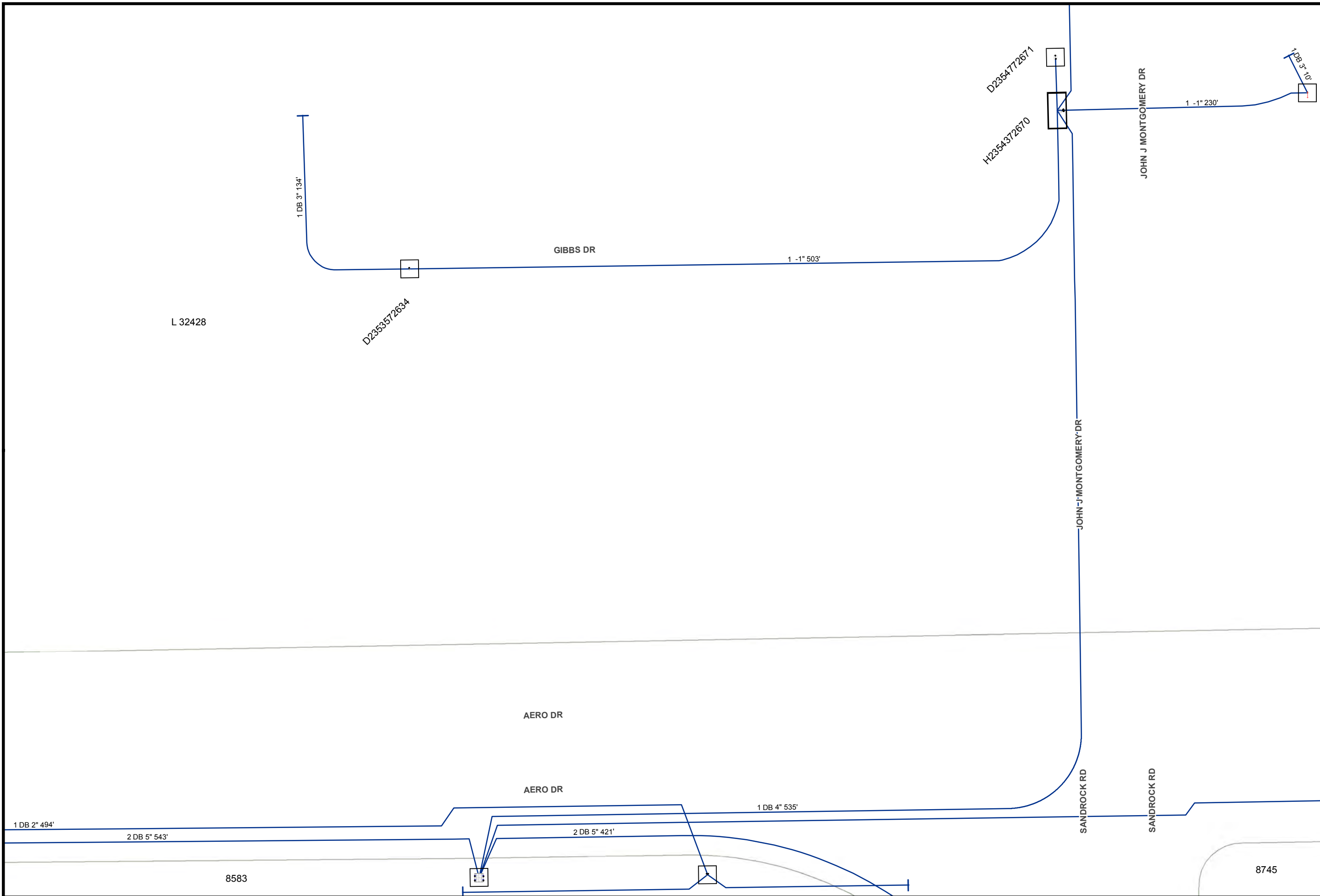
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15967-119105

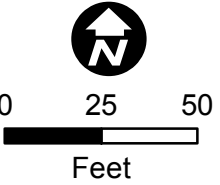
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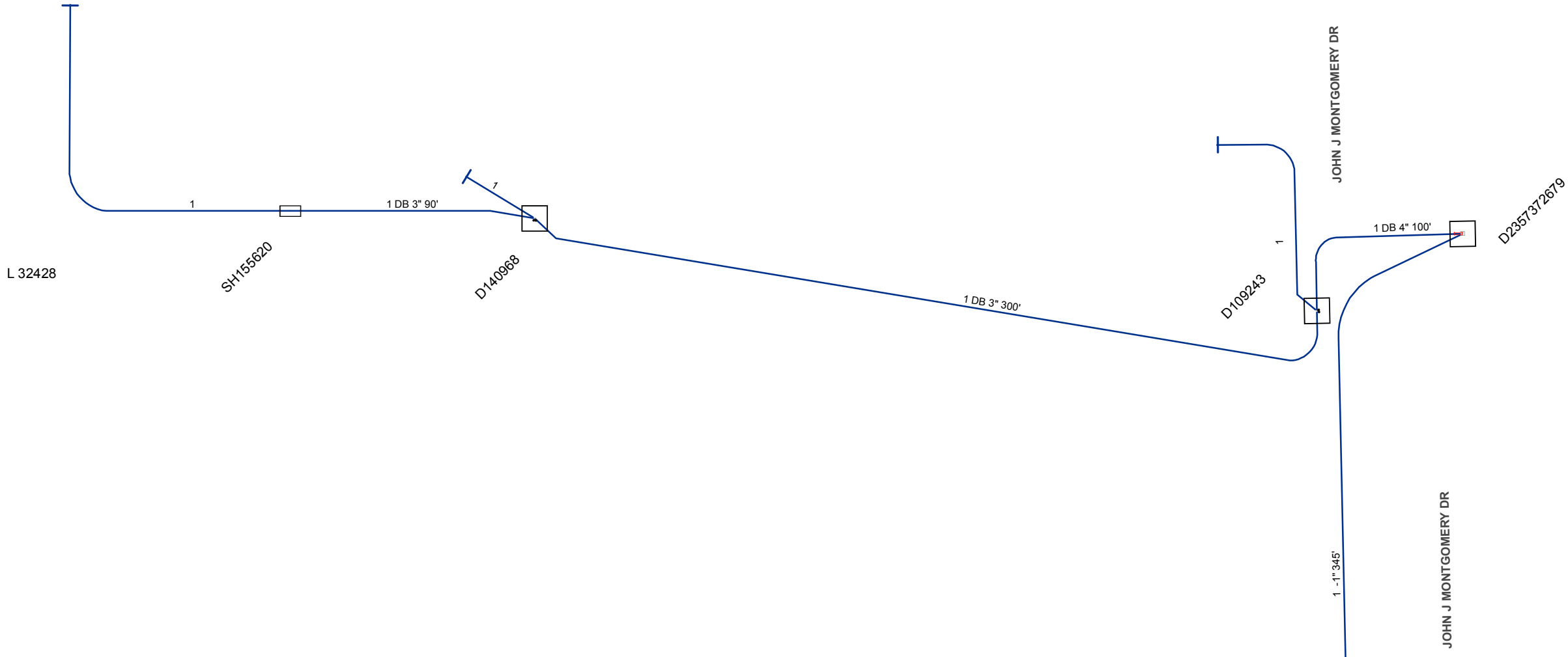
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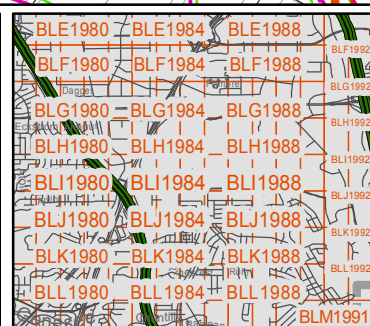
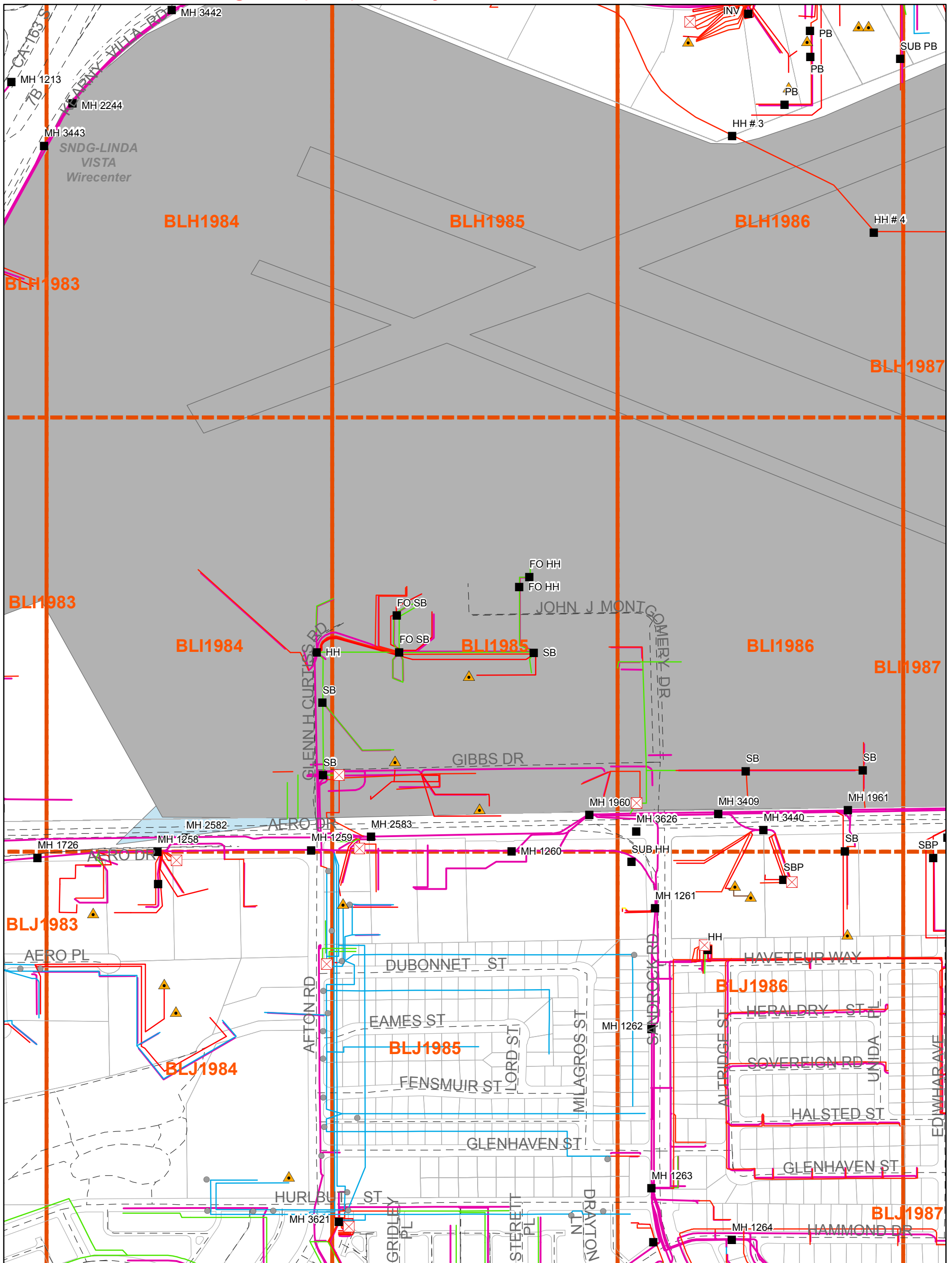
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7755 Montogomery Airport Project



- Poles
- ▲ Remote Terminals
- ⊠ SAIs
- Manholes
- Aerial
- Building
- Buried
- Underground
- Conduit
- Street Centerlines
- Mapping Indexx
- Wirecenter Boundary
- Parcels
- JobAOI

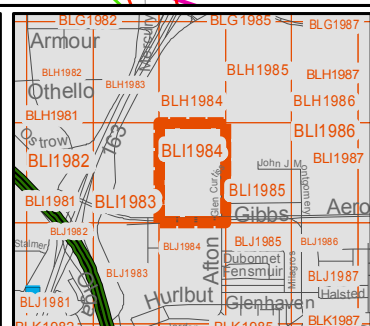
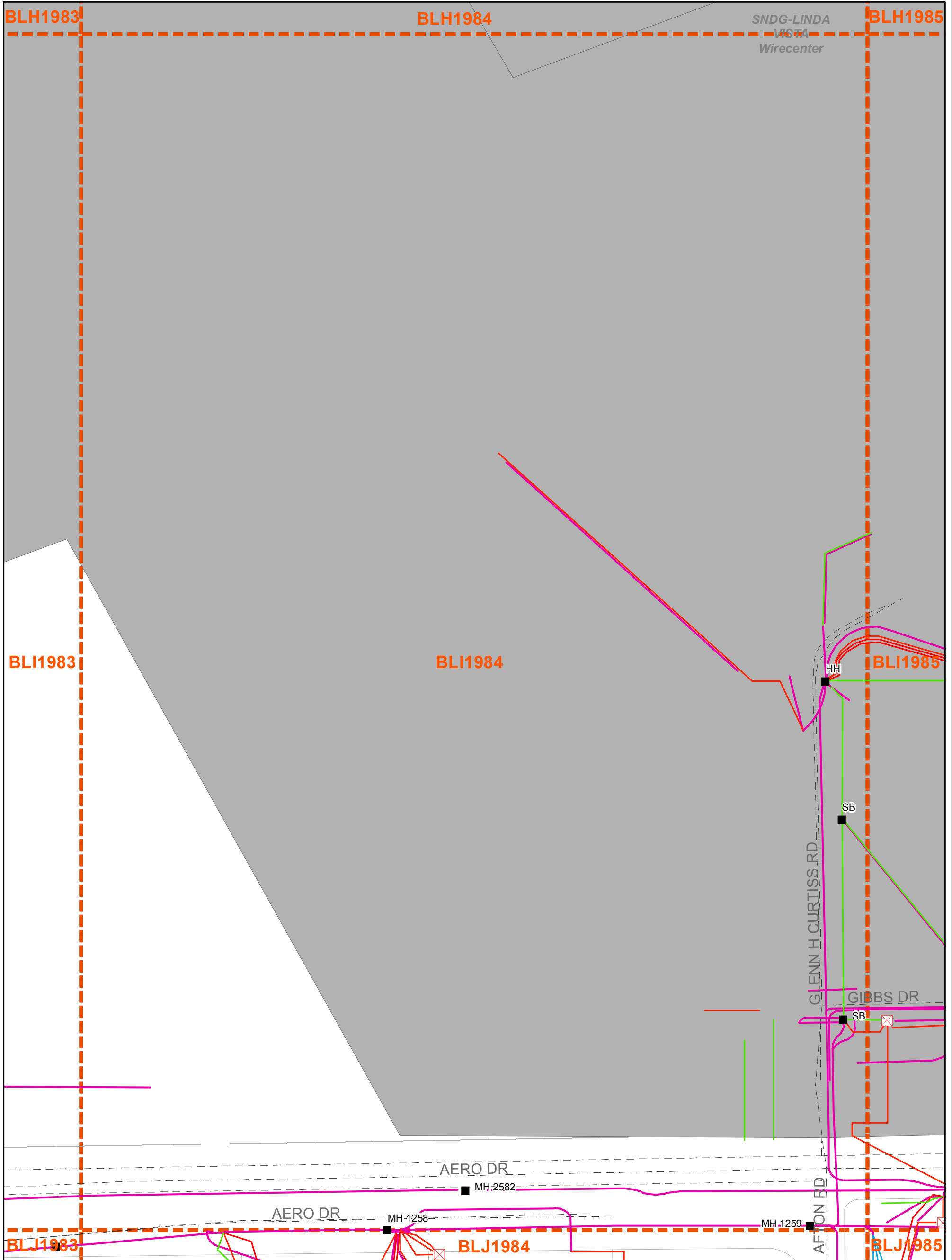
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## 7755 Montogomery Airport Project



1:1,830



- SAs
- Manholes
- Aerial
- Buried
- Underground
- Conduit
- Street Centerlines
- Mapping Index
- Wirecenter Boundary
- Parcels

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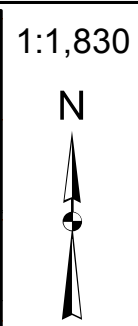
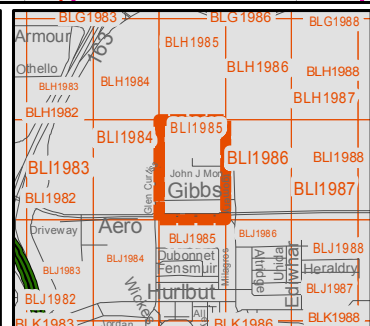
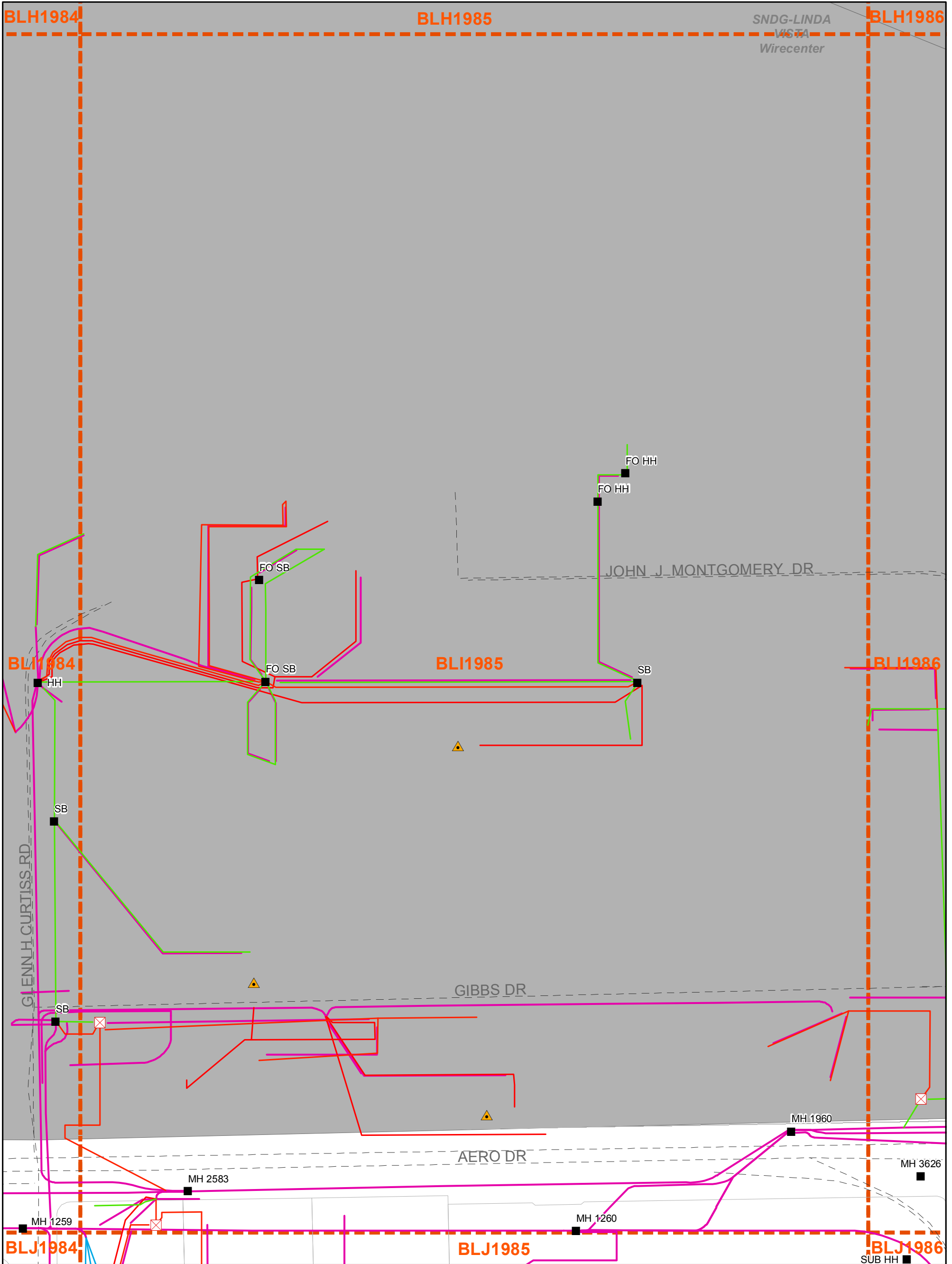
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## 7755 Montogomery Airport Project



- Remote Terminals
- SAls
- Manholes
- Aerial
- Buried
- Underground
- Conduit
- Street Centerlines
- Mapping Indexx
- Wirecenter Boundary
- Parcels

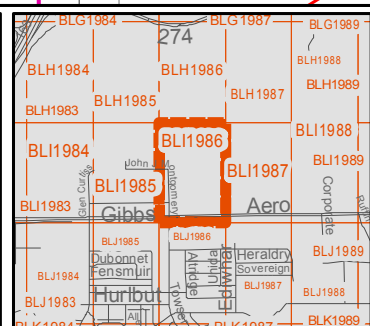
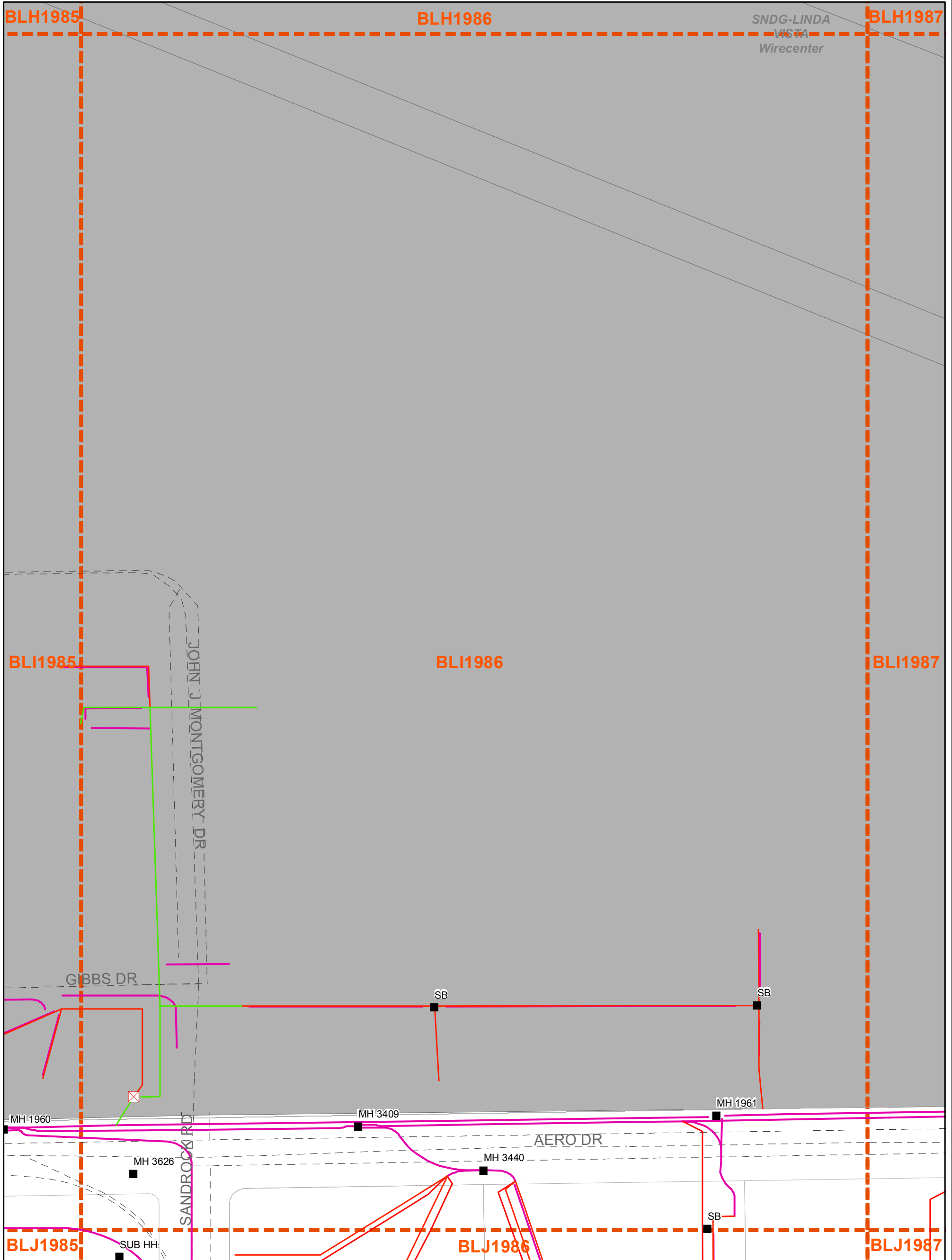
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## 7755 Montogomery Airport Project



1:1,830

- SAIs
- Manholes
- Buried
- Underground
- Conduit
- Street Centerlines
- Mapping Index
- Wirecenter Boundary
- Parcels

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**APPENDIX K**  
**HAZARDOUS LABEL/FORMS**

**HAZARDOUS  
WASTE**

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

GENERATOR NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_ 24 HR. PHONE ( ) \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

EPA ID NO. \_\_\_\_\_ MANIFEST DOCUMENT NO. \_\_\_\_\_

EPA WASTE NO. \_\_\_\_\_ CA WASTE NO. \_\_\_\_\_ ACCUMULATION START DATE \_\_\_\_\_ / /

CONTENTS, COMPOSITION \_\_\_\_\_

PROPER DOT SHIPPING NAME \_\_\_\_\_

TECHNICAL NAME (S) \_\_\_\_\_

UN/NA NO. WITH PREFIX \_\_\_\_\_

PHYSICAL STATE    HAZARDOUS PROPERTIES     FLAMMABLE     TOXIC  
 SOLID     LIQUID     CORROSIVE     REACTIVE     OTHER \_\_\_\_\_

**HANDLE WITH CARE!**  
CONTAINS HAZARDOUS OR TOXIC WASTES

## APPENDIX L

### SEWER MAINS, SEWER LATERALS AND MANHOLE REHABILITATION SAMPLE DATA TEMPLATES



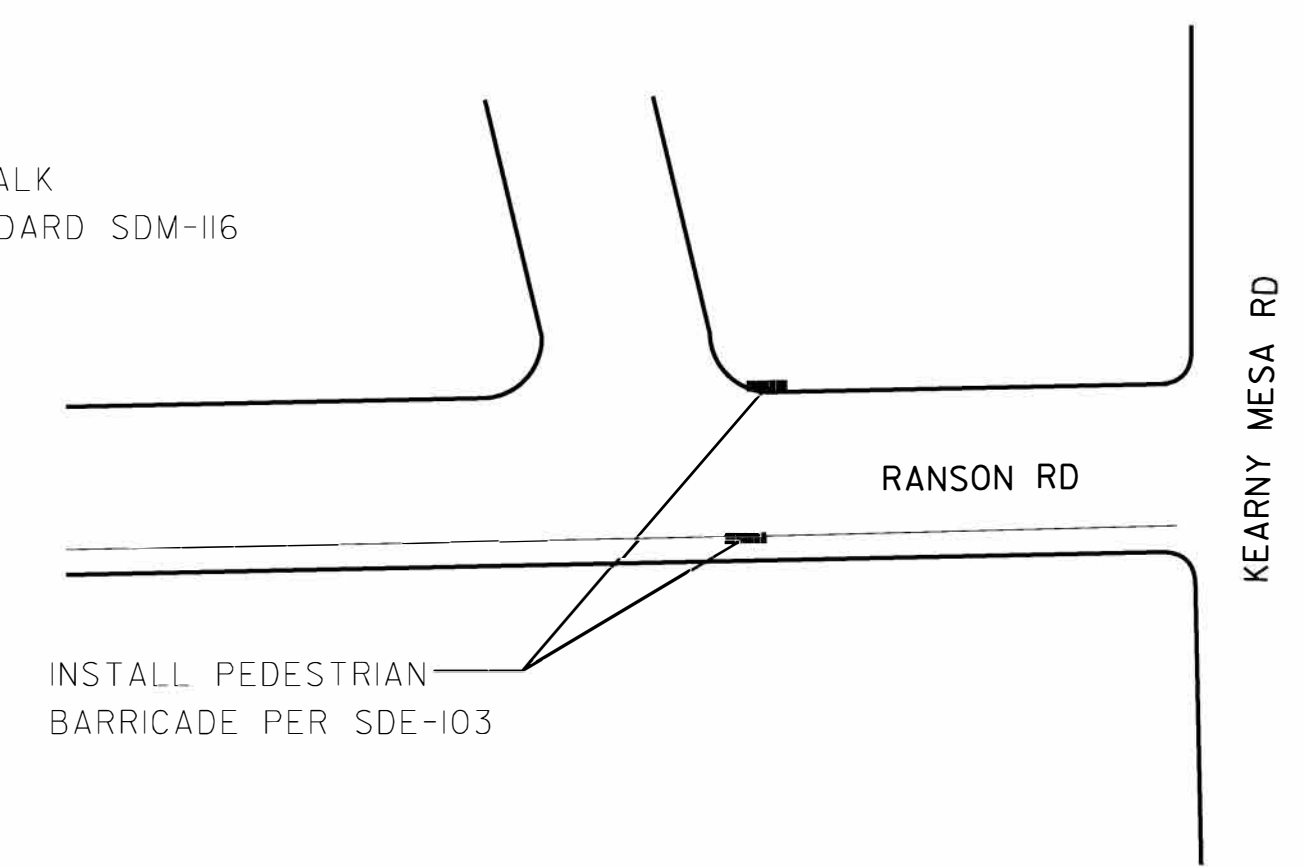
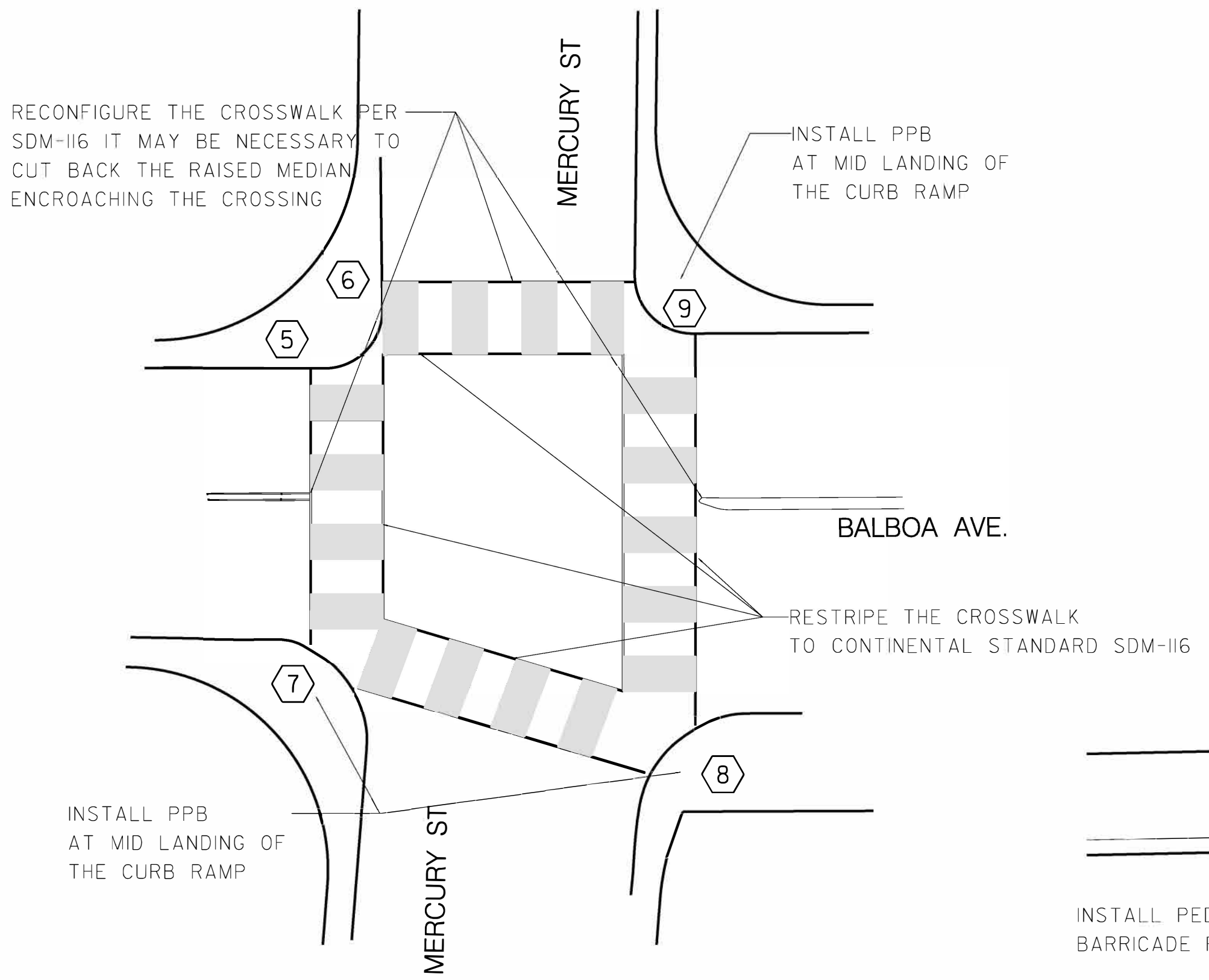
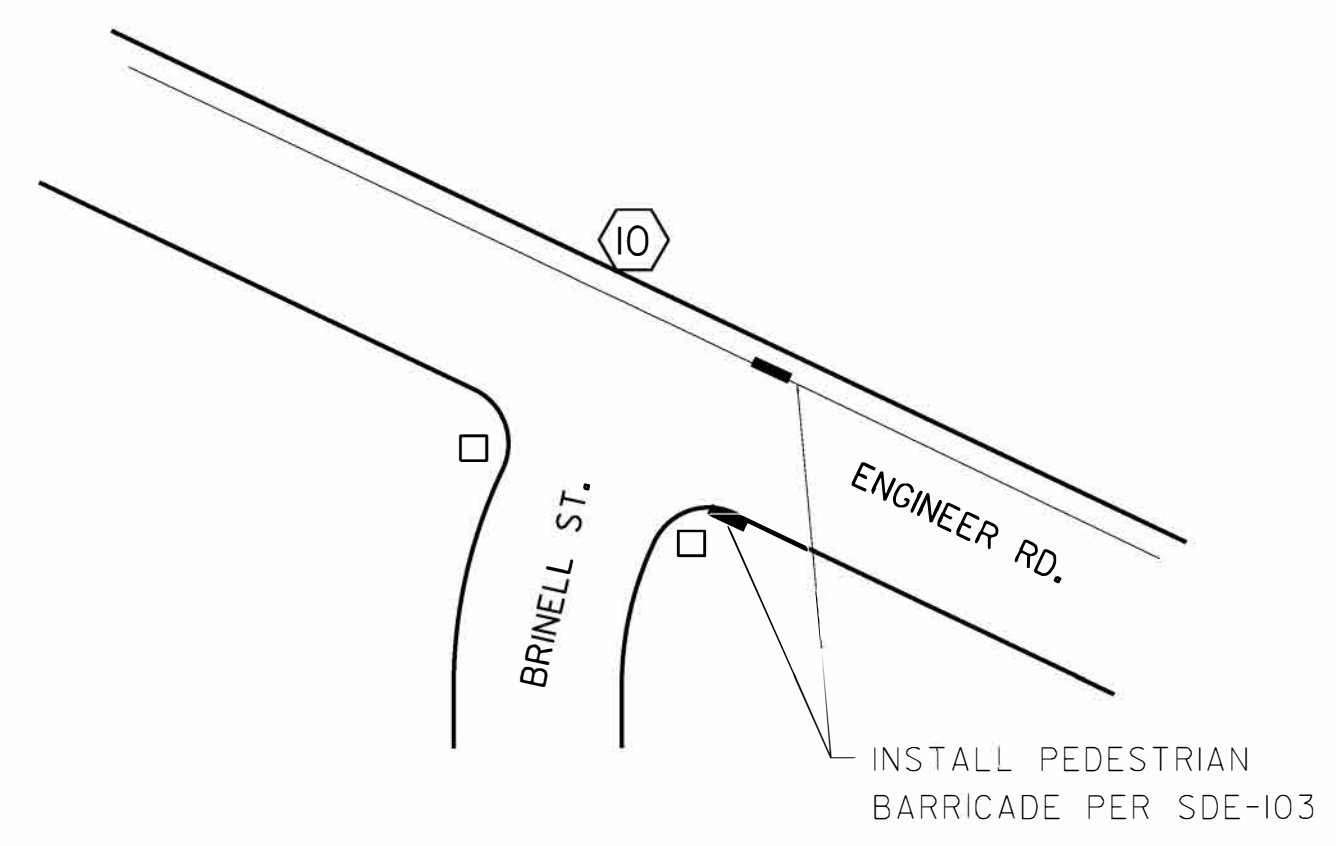
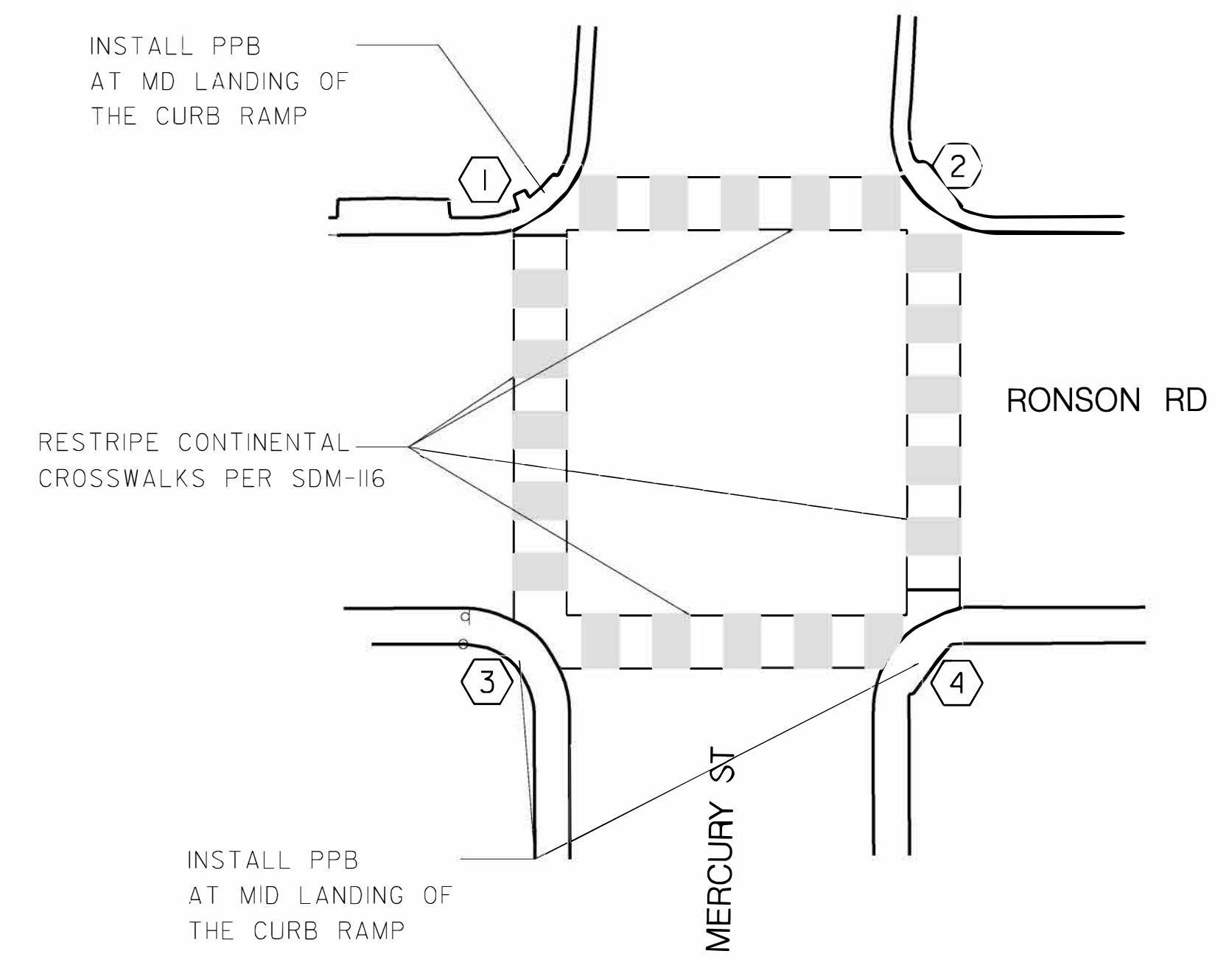






## **APPENDIX M**

### **CURB RAMP LOCATION MAP**



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

CURB RAMP NOTES TABLE									
LOCATION NO.	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	DETECTABLE WARNING TILES		CONSTRAINTS	COMMENTS / MODIFICATIONS	
					STAINLESS STEEL	OTHER			
1	CI		X		X			PROTECT EXISTING TRAFFIC SIGNAL POLE. RE-STRIPE CONTINENTAL CROSSWALK PER SDM-116 INSTALL PEDESTRIAN PUSH BUTTON POLE AT MID LANDING OF THE CURB RAMP	
2	A		X		X			PROTECT EXISTING TRAFFIC SIGNAL POLE. RE-STRIPE CONTINENTAL CROSSWALK PER SDM-116	
3	CI		X		X			PROTECT EXISTING TRAFFIC SIGNAL POLE. RE-STRIPE CONTINENTAL CROSSWALK PER SDM-116 INSTALL PEDESTRIAN PUSH BUTTON POLE AT MID LANDING OF THE CURB RAMP	
4	CI		X		X			PROTECT EXISTING TRAFFIC SIGNAL POLE. RE-STRIPE CONTINENTAL CROSSWALK PER SDM-116 INSTALL PEDESTRIAN PUSH BUTTON POLE AT MID LANDING OF THE CURB RAMP	
5	A	X			X			REMOVE EXISTING CURB RAMP AND INSTALL DUAL CURB RAMP @ 5 & 6	
6	A	X			X			CUT BACK RAISED MEDIANS ENCRDACHING THE CROSSWALKS. RE-STRIPE AND RECONFIGURE CROSSWALK PER SDM-116	
7	CI		X		X			CUT BACK RAISED MEDIANS AT WEST LEG OF THE INTERSECTION ENCRDACHING THE CROSSWALKS. RE-STRIPE CONTINENTAL CROSSWALK PER SDM-116. INSTALL PEDESTRIAN PUSH BUTTON POLE AT MID LANDING OF THE CURB RAMP	
8	CI		X		X			CUT BACK RAISED MEDIANS AT THE SOUTH LEG OF THE INTERSECTION ENCRDACHING THE CROSSWALKS. RE-STRIPE CONTINENTAL CROSSWALK PER SDM-116. INSTALL PEDESTRIAN PUSH BUTTON POLE AT MID LANDING OF THE CURB RAMP	
9	CI		X		X			CUT BACK RAISED MEDIANS ENCRDACHING THE CROSSWALKS. RE-STRIPE CONTINENTAL CROSSWALK PER SDM-116. INSTALL PEDESTRIAN PUSH BUTTON POLE AT MID LANDING OF THE CURB RAMP	
10	CASE B	X			X			NEW PROPOSED RAMP/ INSTALL PEDESTRIAN BARRICADE ON NE & SE CORNER	

• THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST

GENERAL CURB RAMP NOTES:

- A. CONTRACTOR MAY USE NON STAINLESS MATERIAL PER CITY'S AML IF THE DWT HAS BE TRIMMED TO CONFORM TO THE CURB RAMP CONFIGURATION.
- B. THE DESIGN OF THE CURB RAMP SHALL NOT AFFECT THE DRAINAGE PATTERN ON THE STREET.
- C. CONTRACTOR TO REPLACE LIFTED, DAMAGE OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN.
- D. CONTRACTOR TO NOTIFY THE RESIDENT ENGINEER OF ANY OTHER DAMAGED AND LIFTED SIDEWALK PANELS THAT ARE OUTSIDE THE SCOPE OF WORK BUT WITHIN THE PROJECT AREA AND LEADING TO THE CORNERS THAT WILL BE IMPROVED BY THE PROJECT. THE RESIDENT ENGINEER SHALL CONTACT THE CITY'S STREET DIVISION TO REQUEST FOR AN IMMEDIATE REPAIR OF THE DAMAGED AND/OR LIFTED SIDEWALK PANELS.
- E. COUNTER SLOPES (CURB RAMP SLOPE PLUS STREET SLOPE) WHEN ADDED CANNOT EXCEED 13% WITH THE EXCEPTION OF A TYPE C2 AND CI. ADJUST THE SLOPE OF THE MAIN RAMP AND/OR STREET IF THE COUNTER SLOPE EXCEEDS 5.0%.
- F. PROTECT AND KEEP ALL HISTORIC STAMPS WITHIN CORNER SIDEWALK.
- G. CONTRACTOR TO USE THE SAME EXISTING SIDEWALK CONCRETE COLOR ON THE NEW SIDEWALK PANELS AND CURB RAMP.
- H. FOR PEDESTRIAN RAMP TYPE "C2", THE TOP LANDING AREA IS NOT REQUIRED IF ADJACENT RAMP SLOPE CAN BE MAINTAINED AT 5%.

LEGEND	
⑧	CURB RAMP NO's
+	EX UTILITY POLE
□	EX FIRE HYDRANT
○	EX STREET LIGHT
T	EX TREE
+	EX STREET SIGN
□	EX CURB RAMP
—	PEDETRIAN BARRICADE PER SDE-103
▨	WHITE CONTINENTAL CROSSWALK PER SDM-116
PROPOSED CURB RAMP PER STANDARD DRAWINGS:	
CURB RAMP A & B	SDG-133
CURB RAMP - TYPE CI	SDG-135, SDG-136
CURB RAMP - TYPE C2	SDG-135, SDG-136
CURB RAMP - TYPE D	SDG-137
GENERAL CURB RAMP NOTES & SUPPLEMENTAL DETAILS	SDG-131
EX STAMP/IMPRESSION PLACEMENT	SDG-132
	SDG-115

MAPS FOR THE CONSTRUCTION OF PIPELINE REHABILITATION AO-1

CURB RAMP LOCATION  
(1 OF 1)

NO SCALE

WBS #  
B-16161

SEE MAP

CURB RAMP LOCATION



## **APPENDIX N**

### **SAMPLE OF PUBLIC NOTICE**



CONSTRUCTION NOTICE

PROJECT TITLE

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

The work will consist of:

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

How your neighborhood may be impacted:

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

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



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PROJECT TITLE

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

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
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• Cars parked in violation of signs will be TOWED.

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX

## **APPENDIX O**

### **ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION**

## Protecting AMI Devices in Meter Boxes and on Street Lights

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

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

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

- A. Endpoints, see Photo 1:

**Photo 1**



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

**Photo 2**



Network Devices, see Photo 3:

**Photo 3**





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

**Photo 4**



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

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

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

**Photo 5**

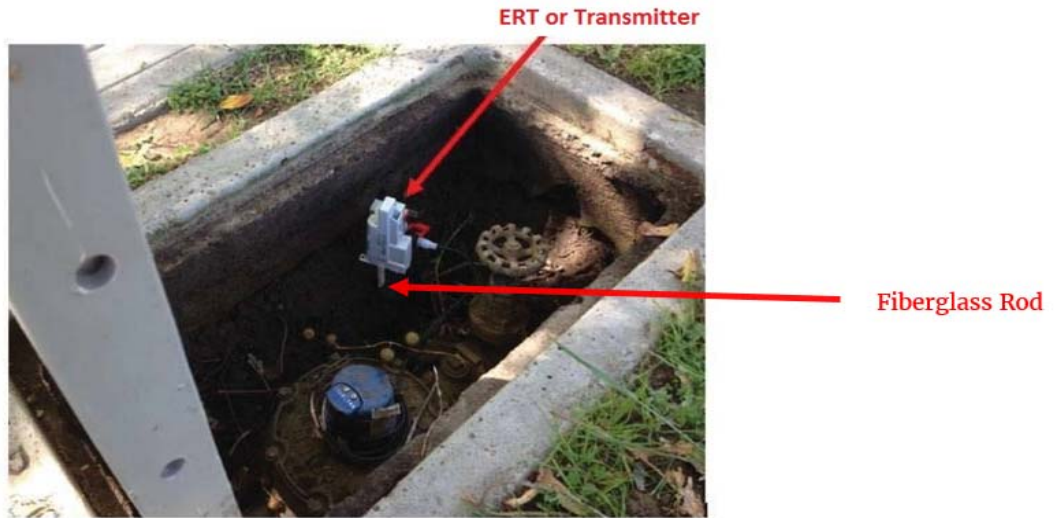


Photo 6 below is an example of disturbance that shall be avoided:

**Photo 6**



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

**Photo 7**



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

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

**Photo 8**



**Network Device**

**Photo 9**



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

## **APPENDIX P**

### **TRAFFIC CONTROL PLANS FOR AC WATER AND SEWER GROUP 1042**



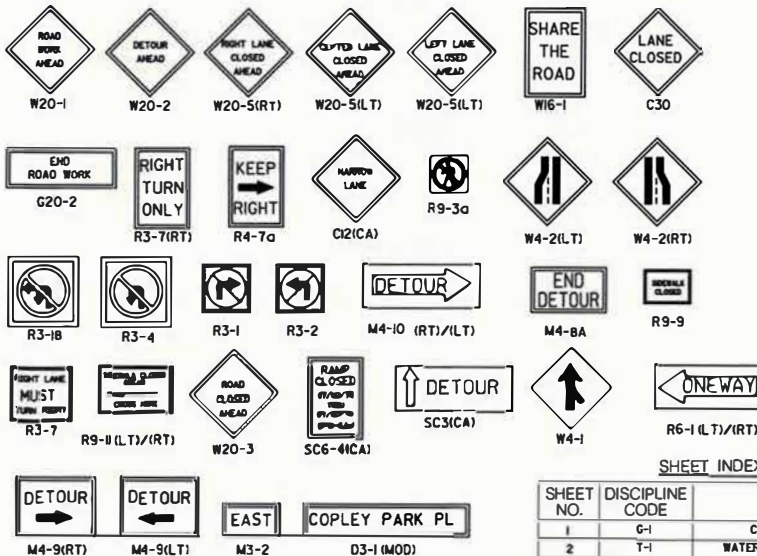
# CONVOY STREET TRAFFIC CONTROL OSTROW ST TO COPLEY PARK PL

## TRAFFIC CONTROL NOTES:

- VALIDATION: THIS TRAFFIC CONTROL PLAN IS NOT VALID UNTIL WORK DATES ARE APPROVED. THE CONTRACTOR SHALL PER SECTION 606-2.1.1 OF THE "WHITEBOOK", CALL THE ENGINEERING TRAFFIC CONTROL SECTION AT (619) 495-4742 TO OBTAIN A PERMIT. THE CONTRACTOR MUST CALL A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, OR FIVE (5) WORKING DAYS WHEN THE WORK WILL AFFECT A TRAFFIC SIGNAL.
- ALL WORK WITHIN STATE RIGHT-OF-WAY MUST CONFORM WITH THE LATEST EDITIONS OF THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), CALTRANS STANDARD PLANS, AND CALTRANS STANDARD SPECIFICATIONS, AND/OR AS DIRECTED BY THE PERMIT ENGINEER.
- STANDARDS: THIS TRAFFIC CONTROL PLAN SHALL CONFORM TO THE MOST RECENTLY ADOPTED EDITION OF EACH OF THE FOLLOWING MANUALS:
  - CALTRANS MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES;
  - STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK") AND CITY OF SAN DIEGO SUPPLEMENT AMENDMENTS;
  - STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("WHITEBOOK") AND CITY OF SAN DIEGO SUPPLEMENT AMENDMENTS.
  - CA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES REVISION 2, 2014.
- NOTIFICATIONS: THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION, CONSTRUCTION OR TRAFFIC CONTROL:
 

FIRE DEPARTMENT DISPATCH	(STREET OR ALLEY CLOSURE)	(619) 513-0500
POLICE DEPARTMENT TRAFFIC	(STREET OR ALLEY CLOSURE)	(619) 495-7800
UNDERGROUND SERVICE ALERT	(STREET EXCAVATION)	(800) 422-4033
WASTE MANAGEMENT DEPT.	(REFUSE COLLECTION)	(619) 694-7000
STREET DIVISION/ELECTRICAL	(TRAFFIC SIGNALS)	(619) 571-7500
SAN DIEGO TRANSIT	(BUS STOPS)	(619) 252-0000 x424
MTDB	(TAXI ZONES)	(619) 595-7030
- THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND TENANTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF DRIVEWAYS. THE CONTRACTOR SHALL POST SIGNS NOTIFYING THE PUBLIC A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF STREETS.
- POSTING NO PARKING SIGNS: THE CONTRACTOR SHALL POST "TOW-AWAY/NO PARKING" SIGNS TWENTY-FOUR (24) HOURS IN ADVANCE FOR TEMPORARY PARKING REMOVAL. SIGNS SHALL INDICATE SPECIFIC DAYS, DATES, AND TIMES OF RESTRICTIONS.
- EXCAVATIONS: EXCEPT AS SHOWN ON THE PLANS, TRENCHES SHALL BE BACKFILLED OR TRENCH-PLATED AT THE END OF EACH WORK DAY. AN ASPHALT RAMP SHALL BE PLACED AROUND EACH TRENCH PLATE TO PREVENT THE PLATE FROM BEING ENDSLOTTED. UPON COMPLETION OF EXCAVATION BACKFILL, THE CONTRACTOR SHALL PROVIDE A SATISFACTORY SURFACE FOR TRAFFIC. WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS, THE CONTRACTOR SHALL MAINTAIN ALL TRAVEL LANES OPEN TO TRAFFIC, EXCEPT AS SHOWN ON THE PLANS.
- RESTORATION OF TRAFFIC CONTROL DEVICES: THE CONTRACTOR SHALL REPAIR OR REPLACE TRAFFIC CONTROL DEVICES INCLUDING TRAFFIC SIGNS, STRIPING, PAVEMENT MARKERS, PAVEMENT MARKINGS, LEGENDS, CURB MARKINGS, LOOP DETECTORS, TRAFFIC SIGNAL EQUIPMENT, ETC., DAMAGED OR REMOVED AS A RESULT OF OPERATIONS AND NOT DESIGNATED FOR REMOVAL. REPAIRS AND REPLACEMENTS SHALL BE EQUAL TO EXISTING IMPROVEMENTS. LOOP DETECTORS SHALL BE REPLACED WITHIN THREE (3) WORKING DAYS OF COMPLETION OF UNDERGROUND WORK.
- CHANGES IN WORK: THE RESIDENT ENGINEER WILL OBSERVE THESE TRAFFIC CONTROL PLANS IN OPERATION AND RESERVES THE RIGHT TO MAKE CHANGES AS THE FIELD CONDITIONS WARRANT. SUCH CHANGES SHALL SUPERSEDE THESE PLANS.
- FOR WORK NOT COVERED BY THESE TRAFFIC CONTROL PLANS, THE CONTRACTOR SHALL, PER SECTION 7-10.2.2 OF THE CONTRACT SPECIAL PROVISIONS, PREPARE TRAFFIC CONTROL WORKING DRAWINGS AND SUBMIT THEM TO THE RESIDENT ENGINEER. THE CONTRACTOR SHALL ALLOW A MINIMUM OF TWENTY (20) WORKING DAYS FOR REVIEW OF THE WORKING DRAWINGS. UPON APPROVAL OF THE TRAFFIC CONTROL PLAN, THE ENGINEERING TRAFFIC CONTROL SECTION WILL ISSUE A TRAFFIC CONTROL PLAN (TCP) PERMIT FOR THIS WORK.
- INSTALL #20-HAND G20-2 SIGNS ON ALL SIDE STREETS WITHIN THE AREA AFFECTED BY CONSTRUCTION.
- NOTIFY PROPERTY OWNERS AND TENANTS A MINIMUM OF 5 WORKING DAYS PRIOR TO PARTIAL CLOSURE OF DRIVEWAYS OR THE CLOSURE OF ON-STREET PARKING.

## TRAFFIC CONTROL SIGN LEGEND



NOTE: ALL SIGNS ARE STANDARD SIZE

WORK HOURS	
5:00 P.M. TO 5:00 A.M.	

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



VICINITY MAP  
NOT TO SCALE

## LEGEND

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

## SHEET INDEX

SHEET NO.	DISCIPLINE CODE	TITLE
1	G-1	COVER SHEET
2	T-1	WATER GROUP KEYMAP
3-4	T-2 TO T-3	SEWER GROUP KEYMAP
5	T-4	SETUP A TYPICAL
6	T-5	SETUP B TYPICAL
7	T-6	SETUP C TYPICAL
8	T-7	SETUP D TYPICAL
9	T-8	SETUP E TYPICAL
10	T-9	SETUP F TYPICAL
11	T-10	SETUP G TYPICAL
12	T-11	SETUP H TYPICAL
13	T-12	SETUP J TYPICAL
14	T-13	COPLEY PARK PL - PHASE 1
15-16	T-14 TO T-15	COPLEY PARK PL - PHASE 2
17-18	T-16 TO T-17	COPLEY PARK PL - PHASE 3
19-20	T-18 TO T-19	BALBOA/CMB - PHASE 1
21-22	T-20 TO T-21	BALBOA/CMB - PHASE 2
23-24	T-22 TO T-23	BALBOA/CMB - PHASE 3
25-26	T-24 TO T-25	BALBOA/CMB - PHASE 4
27-28	T-26 TO T-27	BALBOA/CMB - PHASE 5

## CONSTRUCTION NOTES

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

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

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 1 OF 28 SHEETS

WBS 8-TT6/  
8-TT7



DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	KUH/K			

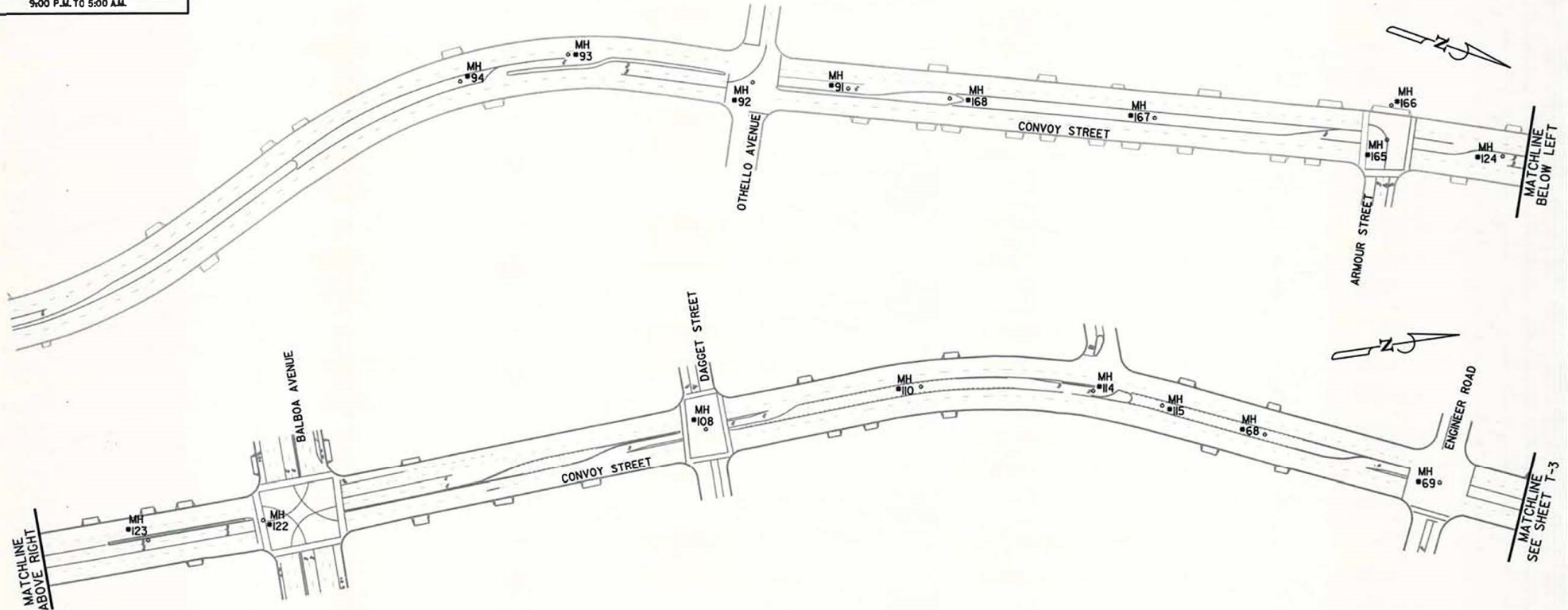
DATE STARTED: 2/15/2018  
DATE COMPLETED: 40350-D-1

**Kimley»Horn**

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



**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.



CONVOY SEWER CLEANOUT AND UPGRADE						
MH #	WORK DESCRIPTION	NB TRAFFIC CONTROL	SB TRAFFIC CONTROL	EB TRAFFIC CONTROL	WB TRAFFIC CONTROL	
94	SEWER REHABILITATION	SETUP J	SETUP J	-	-	
93	SEWER REHABILITATION	-	SETUP J	-	-	
92	SEWER REHABILITATION	SETUP F	SETUP F	-	-	
91	INSTALL MAIN CLEANOUT	SETUP J	SETUP J	-	-	
168	SEWER REHABILITATION	SETUP J	SETUP J	-	-	
167	SEWER REHABILITATION	SETUP J	SETUP J	-	-	
166	INSTALL MAIN CLEANOUT	-	-	SHIFT EB TRAFFIC	RESTRICT WB THRU	
165	INSTALL MAIN CLEANOUT	SETUP F	SETUP F	-	-	
124	INSTALL MAIN CLEANOUT	SETUP J	SETUP J	-	-	
123	INSTALL MAIN CLEANOUT	SPECIAL	SPECIAL	-	-	
122	MANHOLE REHABILITATION	SPECIAL	SPECIAL	-	-	
108	SEWER REHABILITATION	SETUP F	SETUP F	-	-	
110	SEWER REHABILITATION	SETUP J	SETUP J	-	-	
114	SEWER REHABILITATION	SETUP J	SETUP J	-	-	
115	SEWER REHABILITATION	SETUP J	SETUP J	-	-	
110-94	SEWER REPLACEMENT	SETUP J	SETUP J	-	-	
115	INSTALL MAIN CLEANOUT	SETUP J	SETUP J	-	-	
68	SEWER REHABILITATION	SETUP J	SETUP J	-	-	
69	SEWER REHABILITATION	SETUP F	SETUP F	-	-	

NOTE: MINOR A TYPICAL SETUP TO BE USED FOR ALL ADJACENT STREETS ENTERING WORK ZONE UNLESS OTHERWISE NOTED

T-2

PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
SEWER KEYMAP (SHEET 1 OF 2)

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 3 OF 23 SHEETS

WBS 8-11176/  
8-11177

2/13/18  
2/15/2018  
JAMES ABURAHMAN  
PROJECT MANAGER

LASEY CROWN  
PROJECT MANAGER

ELLIS BETH DUNN  
PROJECT ENGINEER

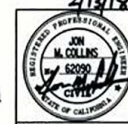
DESCRIPTION ORIGINAL BY APPROVED DATE FILED

CONTRACTOR DATE STARTED DATE COMPLETED

40350-D-3

**Kimley»Horn**

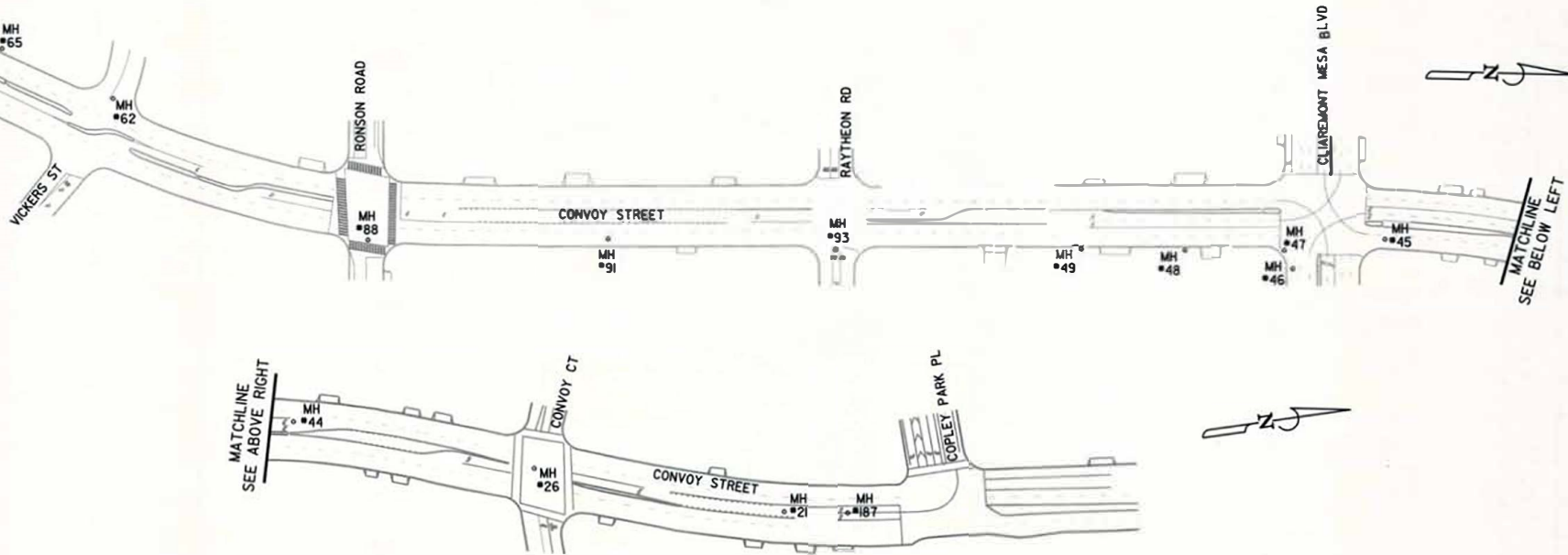
401 B STREET, SUITE 600 SAN DIEGO, CA 92101  
TEL (619) 234-9411





**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.

MATCHLINE  
SEE SHEET T-2



MATCHLINE  
SEE ABOVE RIGHT

MATCHLINE  
SEE BELOW LEFT

**CONVOY SEWER CLEANOUT AND UPGRADE**

MH #	WORK DESCRIPTION	NB TRAFFIC CONTROL	SB TRAFFIC CONTROL	EB TRAFFIC CONTROL	WB TRAFFIC CONTROL
65	SEWER REHABILITATION	-	SETUP A	-	-
64	MANHOLE REHABILITATION	SETUP A	-	-	-
62	SEWER REHABILITATION	-	SETUP A	SHIFT/ NARROW EB LANE	SHIFT/ NARROW WB LANE
88	SEWER REHABILITATION	SETUP A	-	SHIFT/ NARROW EB LANE	SHIFT/ NARROW WB LANE
91	SEWER REHABILITATION	SETUP A	-	-	-
93	SEWER REHABILITATION	SETUP H	-	-	-
93-49	SEWER REPLACEMENT	SETUPS A, D & E	-	-	-
49	SEWER REHABILITATION	SETUP A	-	-	-
49-48	SEWER POINT REPAIR AND REHAB	SETUP A	-	-	-
48	SEWER REHABILITATION	SETUP A	-	-	-
47	SEWER REHABILITATION	SETUP C	-	-	-
46	INSTALL MAIN CLEANOUT	SETUP G	-	-	-
45	SEWER REHABILITATION	SETUPS A & E	-	-	-
44	SEWER REHABILITATION	-	SB LEFT TURN LANE CLOSURES	-	-
26	SEWER REHABILITATION	SETUP F	SETUP F	-	-
21	SEWER REHABILITATION	SETUP J	SETUP J	-	-
187	INSTALL MAIN CLEANOUT	SETUP J	SETUP J	-	-

NOTE: MINOR A TYPICAL SETUP TO BE USED FOR ALL ADJACENT STREETS ENTERING WORK ZONE UNLESS OTHERWISE NOTED.

T-3

PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
SEWER KEYMAP (SHEET 2 OF 2)

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 2 OF 28 SHEETS

WBS 8-11716/  
8-11717



7/19/18  
2/15/2018

DESCRIPTION	BY	APPROVED	DATE FILED
ORIGINAL	MM/KK		

SAHMED ABURAHMAN  
PROJECT MANAGER  
ELIZABETH DUNN  
PROJECT ENGINEER

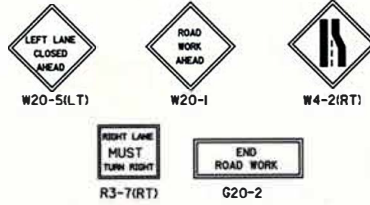
**Kimley»Horn**

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

CONTRACTOR INSPECTOR DATE STARTED DATE COMPLETED 40350-D-4

**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**

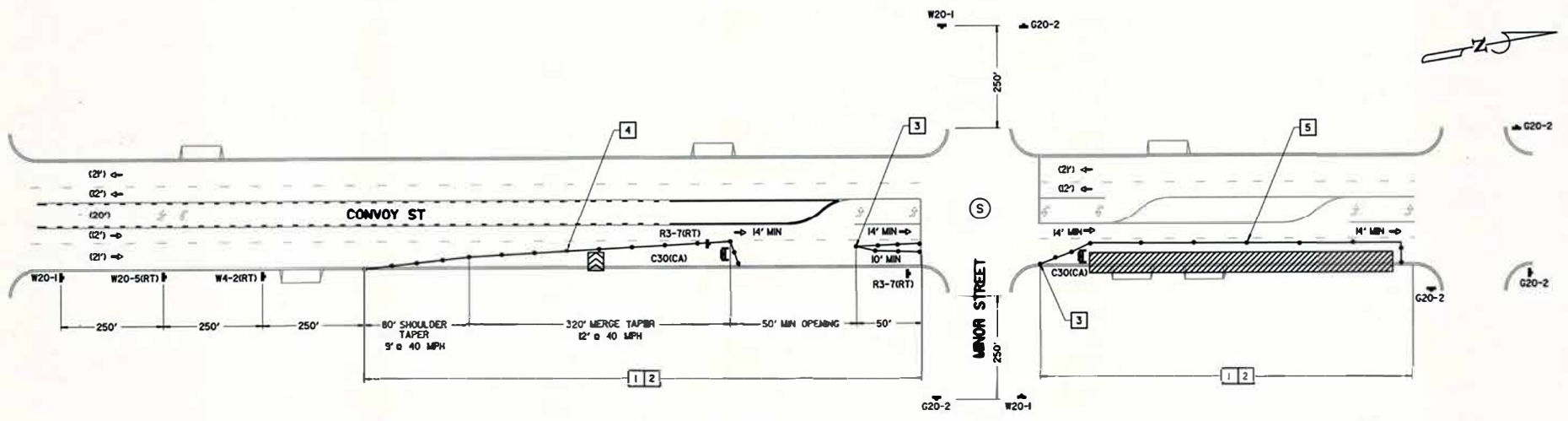


**CONSTRUCTION NOTES**

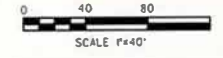
- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
- 2 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.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

**LEGEND**

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



**SETUP A**



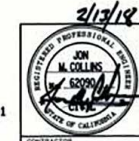
T-4

PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
SETUP A TYPICAL

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT		WBS	B-11716/ B-11717
SHEET 5 OF 28 SHEETS		DATE: 2/15/2018	
APPROVED BY: AHMED ABURAYMAH		PROJECT MANAGER: GARY L. CROWNE	
DESIGNED BY: JIM COLLINS		PROJECT ENGINEER: ELIZABETH DINN	
DESCRIPTION	BY	APPROVED	DATE FILED
ORIGINAL	JL/C		
CONTRACTOR		DATE STARTED	DATE COMPLETED
			40360-0-5

**Kimley»Horn**

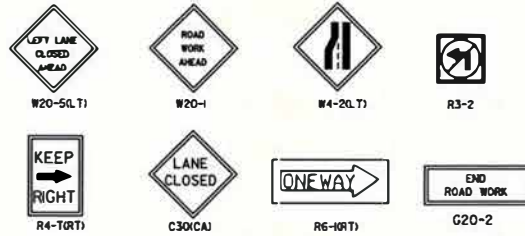
401 B STREET, SUITE 600 SAN DIEGO, CA 92101  
TEL (619) 234-9411





**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**

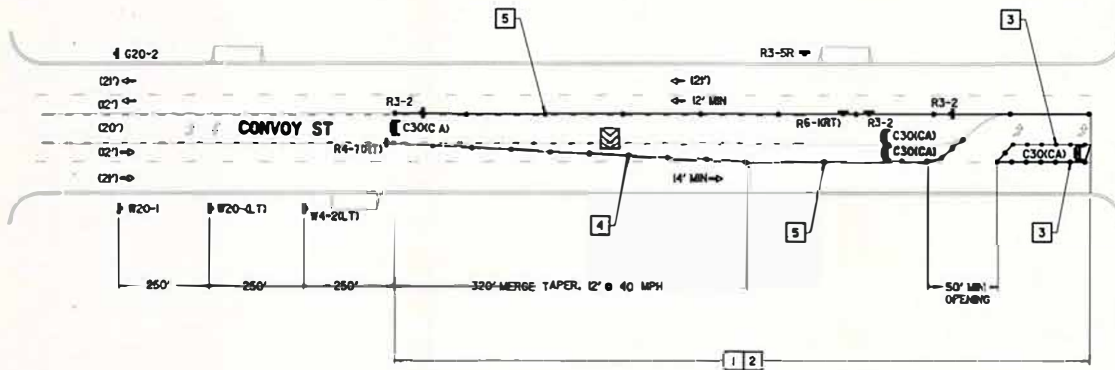


**CONSTRUCTION NOTES**

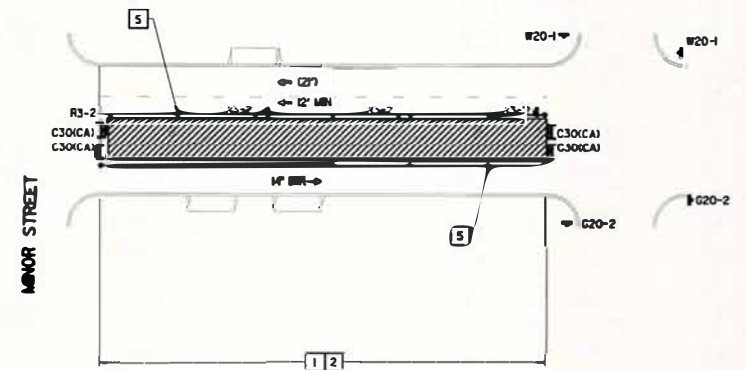
- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
- 2 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.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

**LEGEND**

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



**SETUP B**



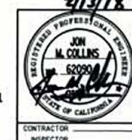
T-5

PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
SETUP B TYPICAL

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 6 OF 28 SHEETS

WBS B-1176/  
B-1177

DATE: 2/15/2018  
PROJECT MANAGER: AHMED ABURAHMAN  
PROJECT ENGINEER: ELIZABETH DININ



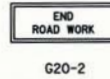
**Kimley»Horn**

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

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	AK/XX			

CONTRACTOR INSPECTOR: DATE STARTED: DATE COMPLETED: 40360-D-6

SIGN LEGEND

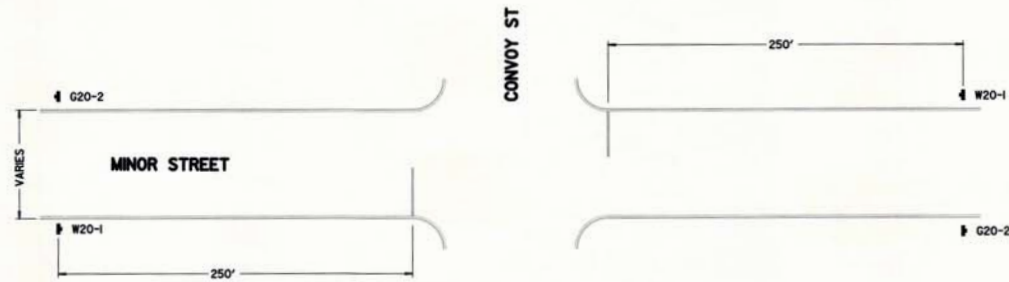


CONSTRUCTION NOTES

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

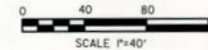
LEGEND

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



SETUP C

CONTRACTOR SHALL PROVIDE ROAD WORK OR END CONSTRUCTION SIGNS FOR ANY SIDE STREETS NOT INCLUDED IN THE OTHER TYPICAL SETUPS AS DIRECTED BY THE FIELD ENGINEER.

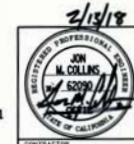


T-6

PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
SETUP C TYPICAL

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 7 OF 28 SHEETS  
WBS 8-1175/  
8-1177

DATE: 2/15/2008  
PROJECT MANAGER: ELIZABETH DOWN  
PROJECT ENGINEER: AHMED ABURAHMAN



DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	SWX			

**Kimley»Horn**

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

CONTRACTOR INSPECTOR DATE STARTED DATE COMPLETED 40550-0-7

**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**

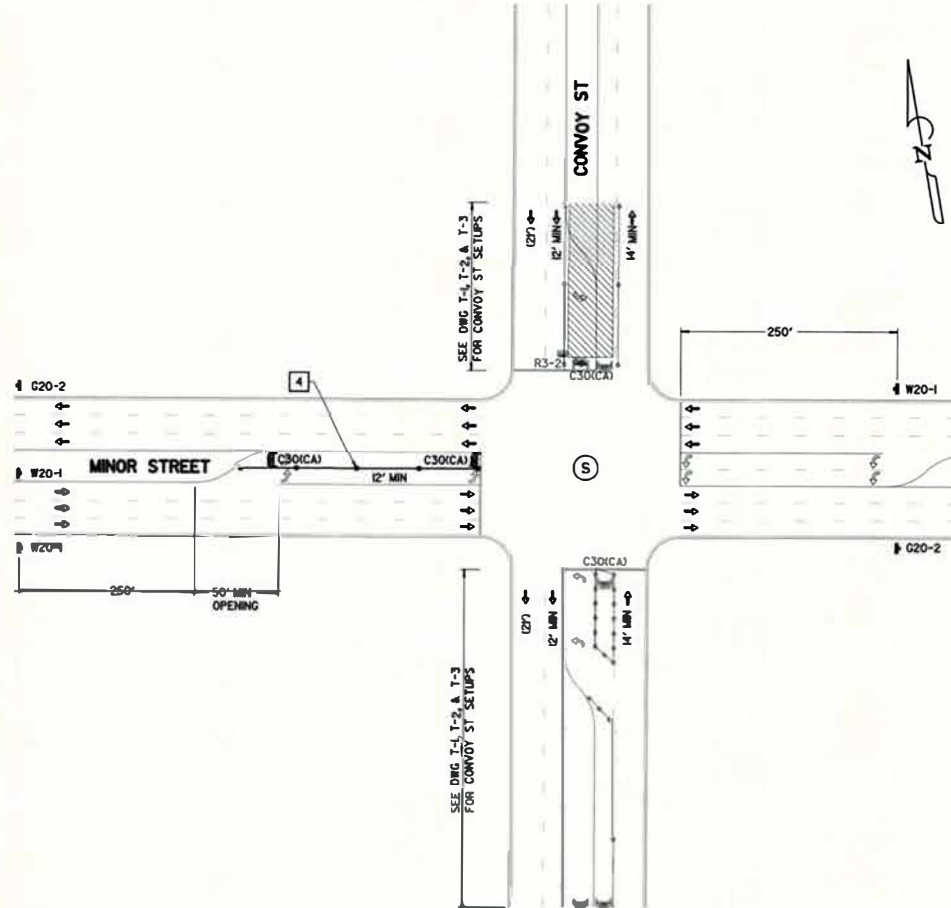


**CONSTRUCTION NOTES**

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

**LEGEND**

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



**SETUP D**



**Kimley»Horn**

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

T-7

**PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
SETUP D TYPICAL**

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT

SHEET 8 OF 28 SHEETS

DATE: 2/15/2018  
FOR CITY ENGINEER: AHMED ABURAHMAH  
DATE: 2/13/18

DESCRIPTION	BY	APPROVED	DATE FILED
ORIGINAL	SM/SM		

CONTRACTOR: JON M. COLLINS, 62000, CIVIL, STATE OF CALIFORNIA

INSPECTOR: [Signature]

DATE STARTED: [ ] DATE COMPLETED: [ ]

40360-D-6

**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**

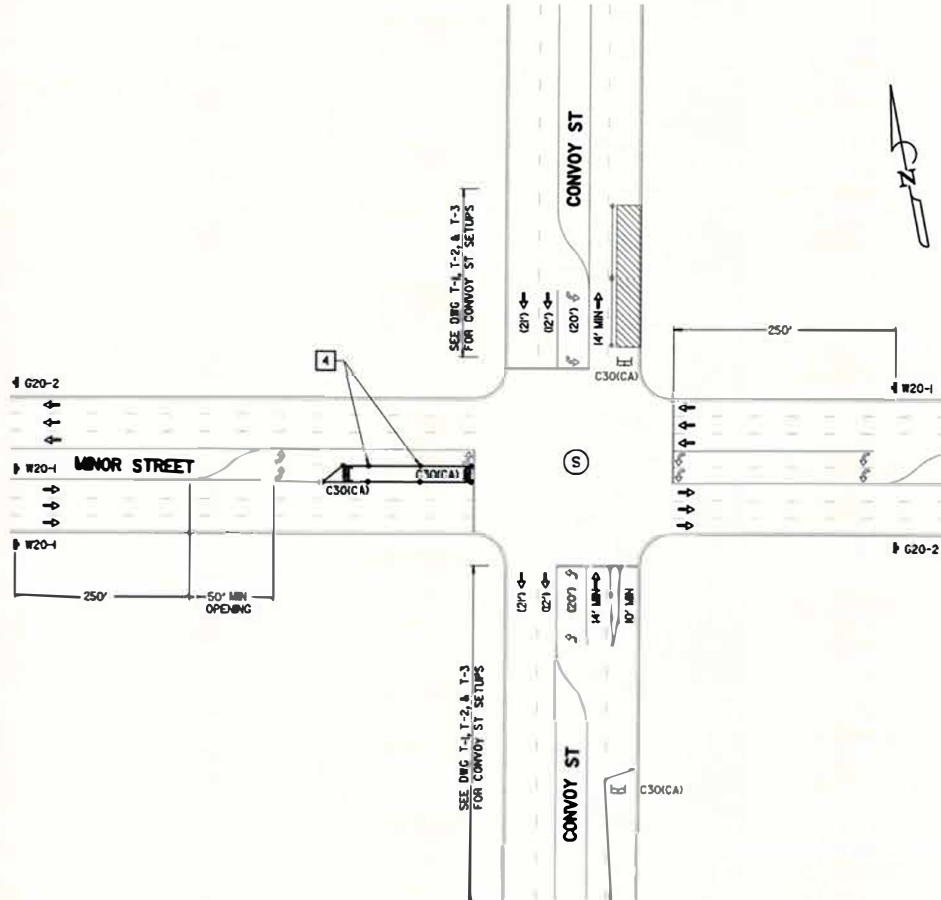


**CONSTRUCTION NOTES**

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

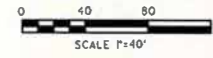
**LEGEND**

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



SEE DWG T-1, T-2, & T-3 FOR CONVOY ST SETUPS

SEE DWG T-1, T-2, & T-3 FOR CONVOY ST SETUPS



T-8

PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
SETUP E TYPICAL

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 3 OF 28 SHEETS

DATE: 2/16/2018

CONTRACTOR: AHMED ABURAHMAN

DESCRIPTION	BY	APPROVED	DATE	PLACED
ORIGINAL	XX/XX			

CONTRACTOR: \_\_\_\_\_ DATE STARTED: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_ DATE COMPLETED: \_\_\_\_\_

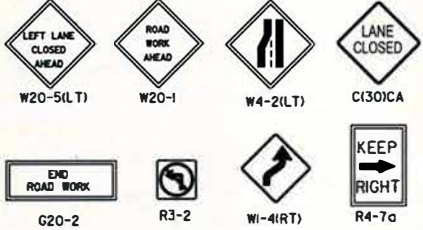
40350-D-9

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



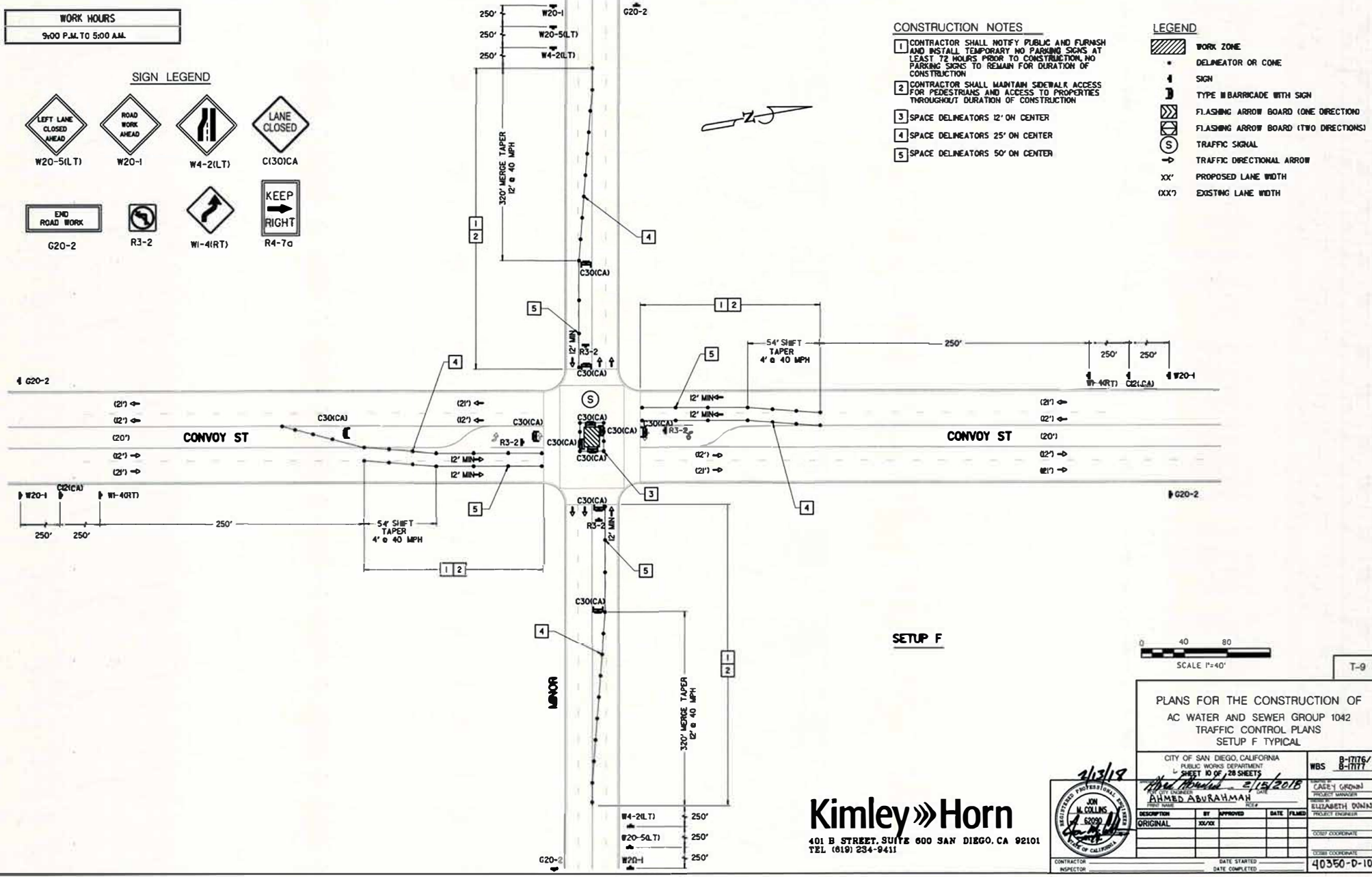
**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**



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

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



**SETUP F**



T-9

PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
SETUP F TYPICAL

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT L. SHEET NO. OF 28 SHEETS		WBS B-1776/ B-1777
DATE: 2/15/2018 BY: AHMED ABURAHMAN PROJECT MANAGER		CASEY GREENE PROJECT MANAGER
DATE: 2/15/2018 BY: ELIZABETH DOWN TRAFFIC ENGINEER		ELIZABETH DOWN TRAFFIC ENGINEER
DATE: _____ BY: _____ CHECK ENGINEER		CHECK ENGINEER
DATE: _____ BY: _____ TRAFFIC ENGINEER		TRAFFIC ENGINEER
DATE: _____ BY: _____ INSPECTOR		INSPECTOR
DATE: _____ BY: _____ DATE COMPLETED		40350-D-10

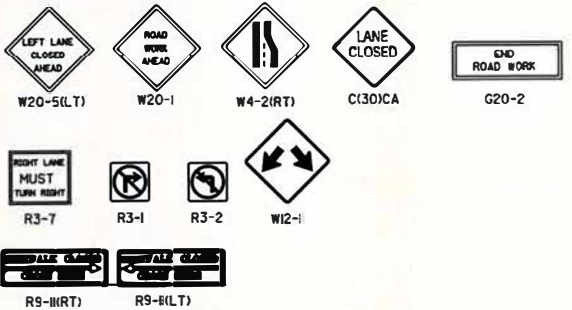
**Kimley»Horn**  
401 B STREET, SUITE 600 SAN DIEGO, CA 92101  
TEL (619) 234-9411





**WORK HOURS**  
5:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**

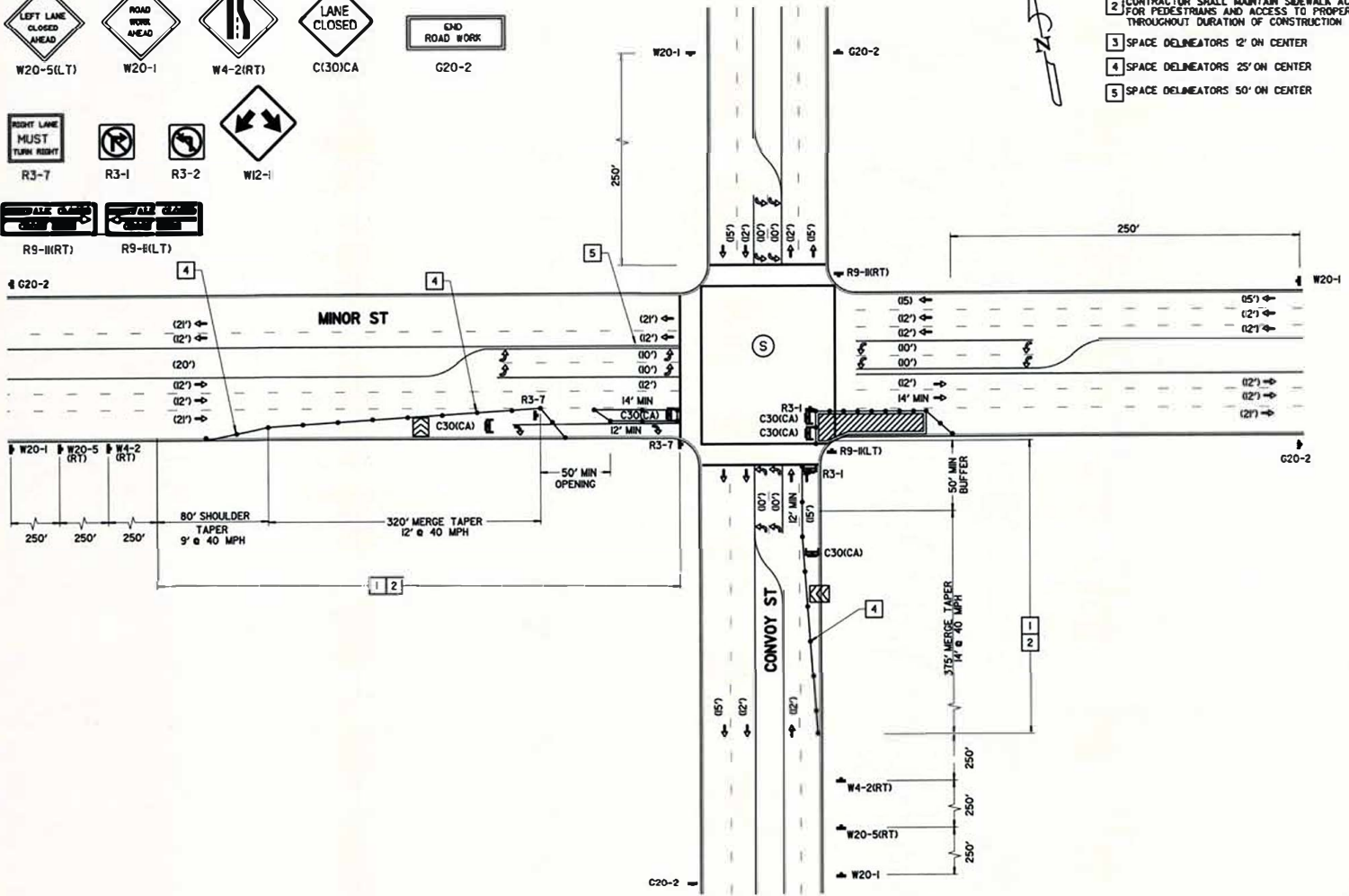


**CONSTRUCTION NOTES**

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

**LEGEND**

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



T-10

PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
SETUP G TYPICAL

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 1 OF 18 SHEETS		WBS	B-11716/ B-11717
APPROVED: <i>Ahmed Aburrahman</i> 2/15/2018 AHMED ABURRAHMAN PROJECT MANAGER		DESIGNED BY:	GARY LUNDIN
DRAWN BY:		CHECKED BY:	ELIZABETH DUNN
DESCRIPTION	BY	APPROVED	DATE FILED
ORIGINAL	SA/XX		
DATE OF REVISION		DATE FILED	
CONTRACTOR		DATE COMPLETED	
INSPECTOR		40350-D-11	



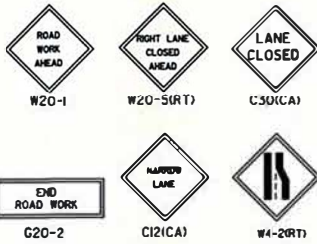
**Kimley»Horn**

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

SETUP G

**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**

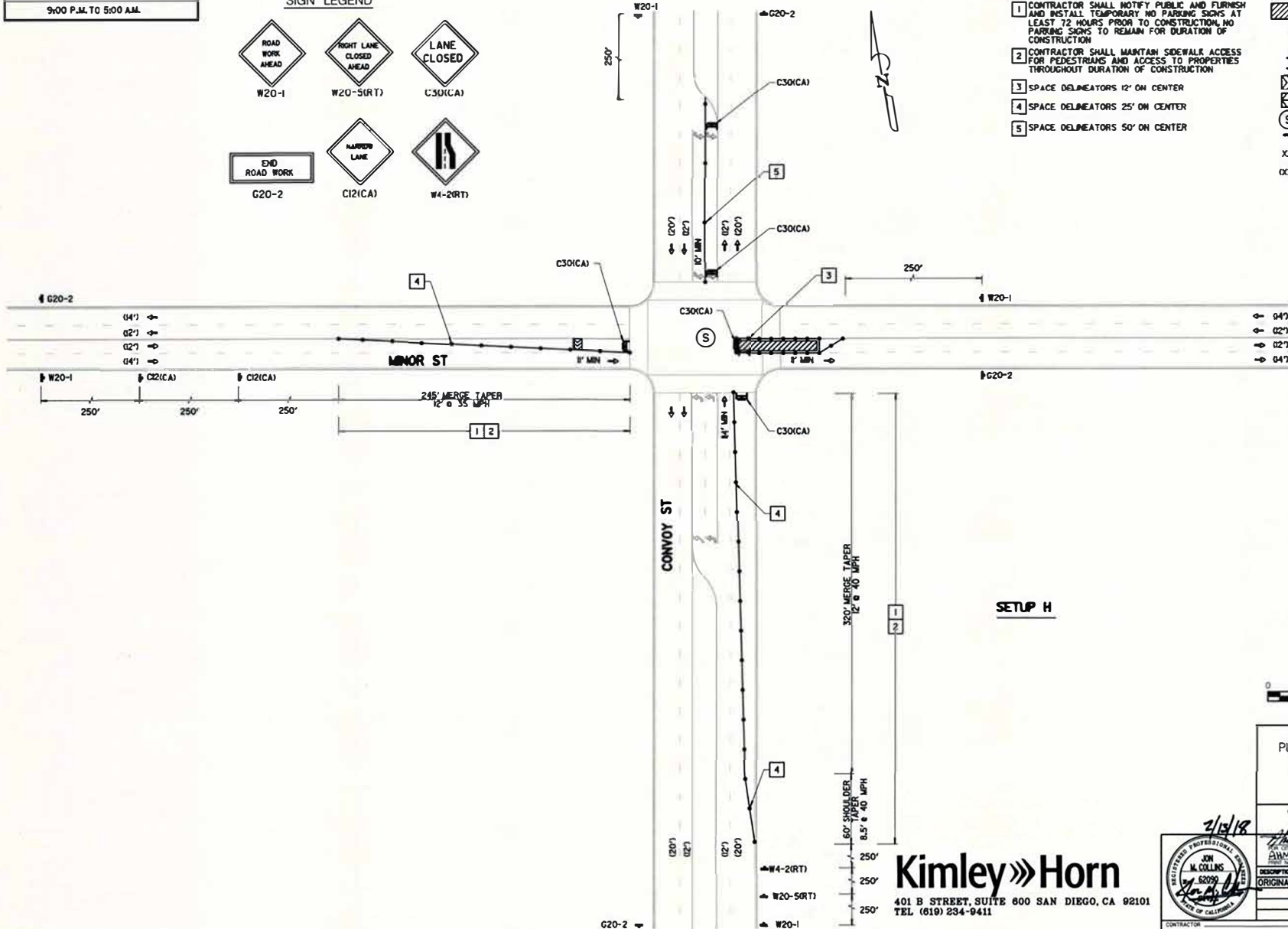


**CONSTRUCTION NOTES**

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

**LEGEND**

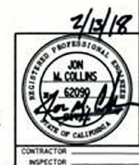
- WORK ZONE
- DELINEATOR OR CONE
- SIGN
- TYPE II BARRICADE WITH SIGN
- FLASHING ARROW BOARD (ONE DIRECTION)
- FLASHING ARROW BOARD (TWO DIRECTIONS)
- TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW
- PROPOSED LANE WIDTH
- EXISTING LANE WIDTH



T-11

PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
SETUP H TYPICAL

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 12 OF 28 SHEETS  
WBS 8-1776/  
8-1777

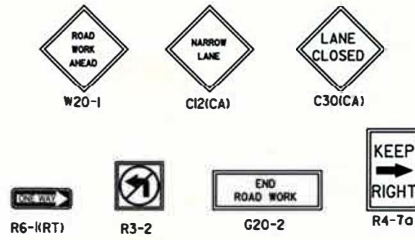


PROJECT MANAGER CASEY CROWN	DATE 2/15/2018
PROJECT ENGINEER WILLIAMSTH DOWN	DATE 2/15/2018
TEST COORDINATOR	
TOUR COORDINATOR	
CONTRACTOR INSPECTOR	DATE STARTED DATE COMPLETED
	40350-D-12

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

**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**

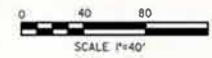
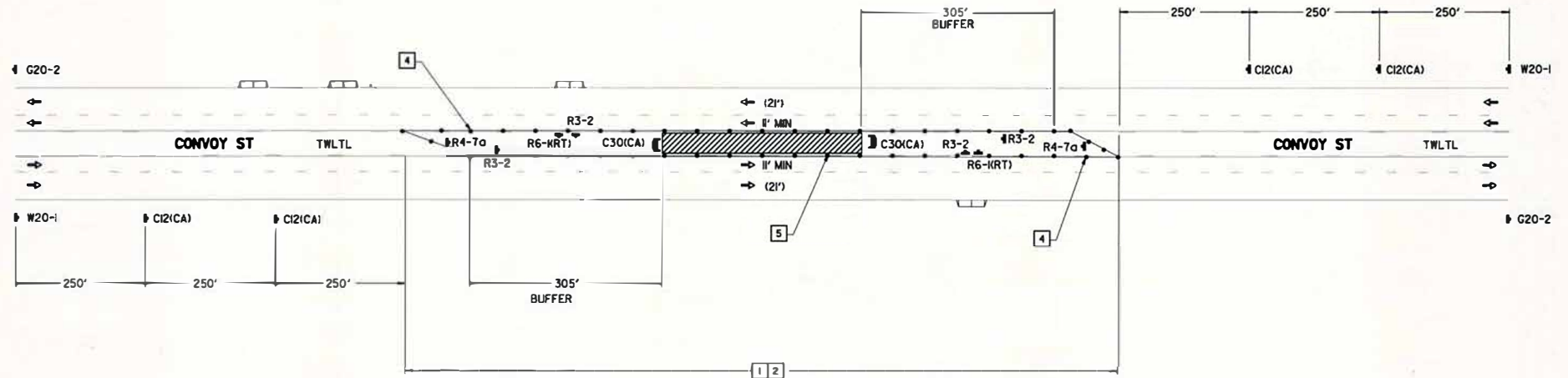


**CONSTRUCTION NOTES**

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

**LEGEND**

- ▨ WORK ZONE
- \* DELINEATOR OR CONE
- ↓ SIGN
- ] TYPE III BARRICADE WITH SIGN
- ▩ FLASHING ARROW BOARD (ONE DIRECTION)
- ▩ FLASHING ARROW BOARD (TWO DIRECTIONS)
- ⊙ TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW
- XX' PROPOSED LANE WIDTH
- OOX' EXISTING LANE WIDTH



T-12

**SETUP J**

PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
SETUP J TYPICAL

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 13 OF 28 SHEETS  
WBS B-11716/  
B-11111



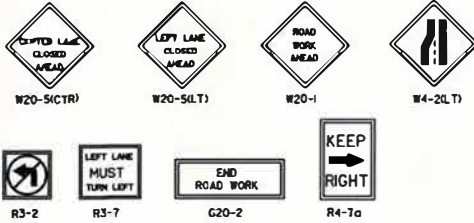
DESIGNER	BY	APPROVED	DATE	FILED
ORIGINAL	XXXX			

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

CONTRACTOR INSPECTOR DATE STARTED DATE COMPLETED 40250-D-13

**WORK HOURS**  
5:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**



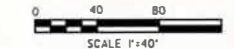
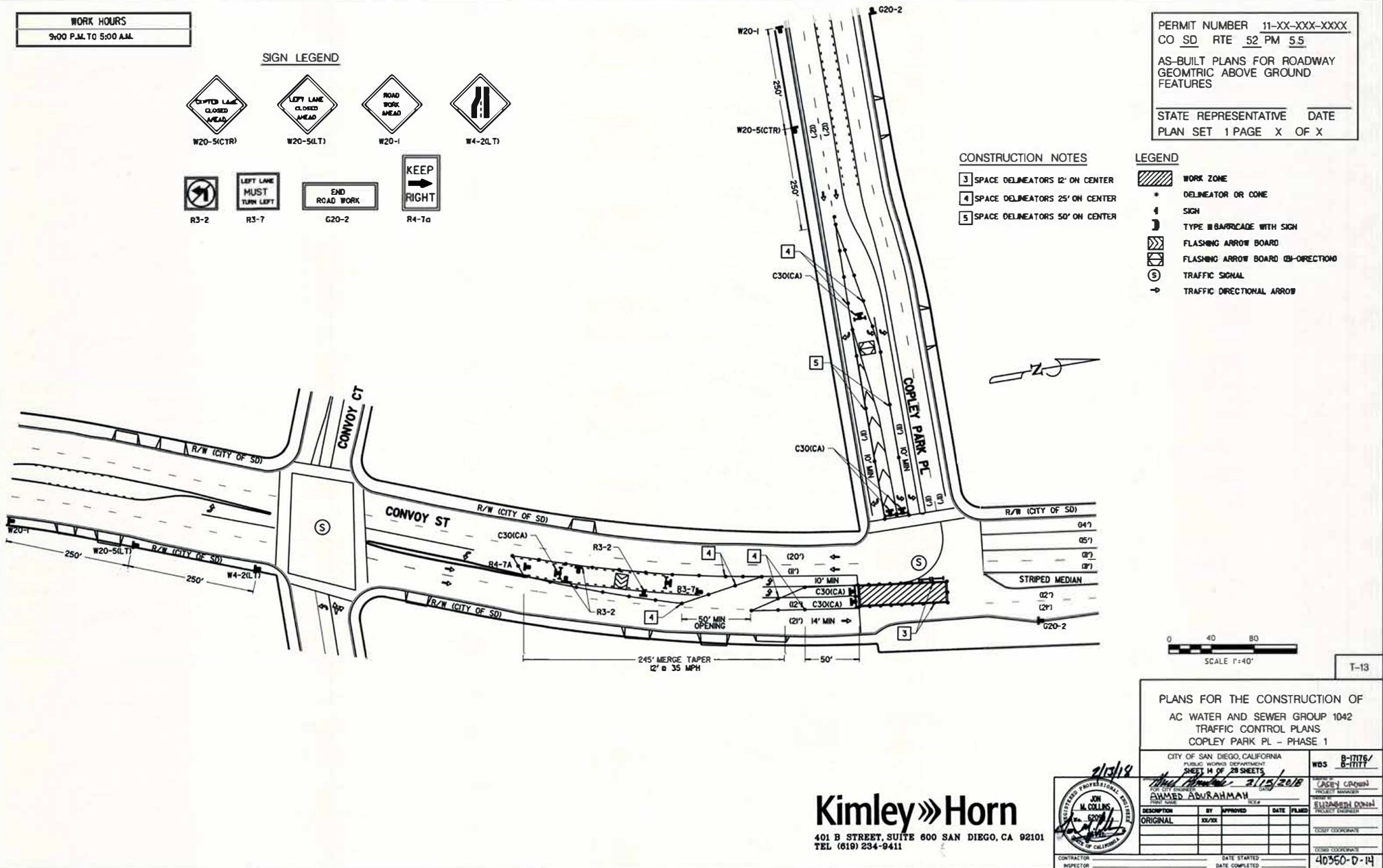
PERMIT NUMBER 11-XX-XXX-XXXX  
CO SD RTE 52 PM 5.5  
AS-BUILT PLANS FOR ROADWAY  
GEOMETRIC ABOVE GROUND  
FEATURES  
STATE REPRESENTATIVE DATE  
PLAN SET 1 PAGE X OF X

**CONSTRUCTION NOTES**

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

**LEGEND**

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



T-13

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

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 14 OF 28 SHEETS		WBS 8-11776/ 8-11777
FOR CITY ENGINEER <b>AWMED ABURAHMAN</b> PROJECT MANAGER		FOR STATE ENGINEER <b>ELIZABETH DONALD</b> PROJECT ENGINEER
DATE FILMED 2/15/2018	DATE STARTED	DATE COMPLETED
CONTRACTOR INSPECTOR	DATE STARTED	DATE COMPLETED

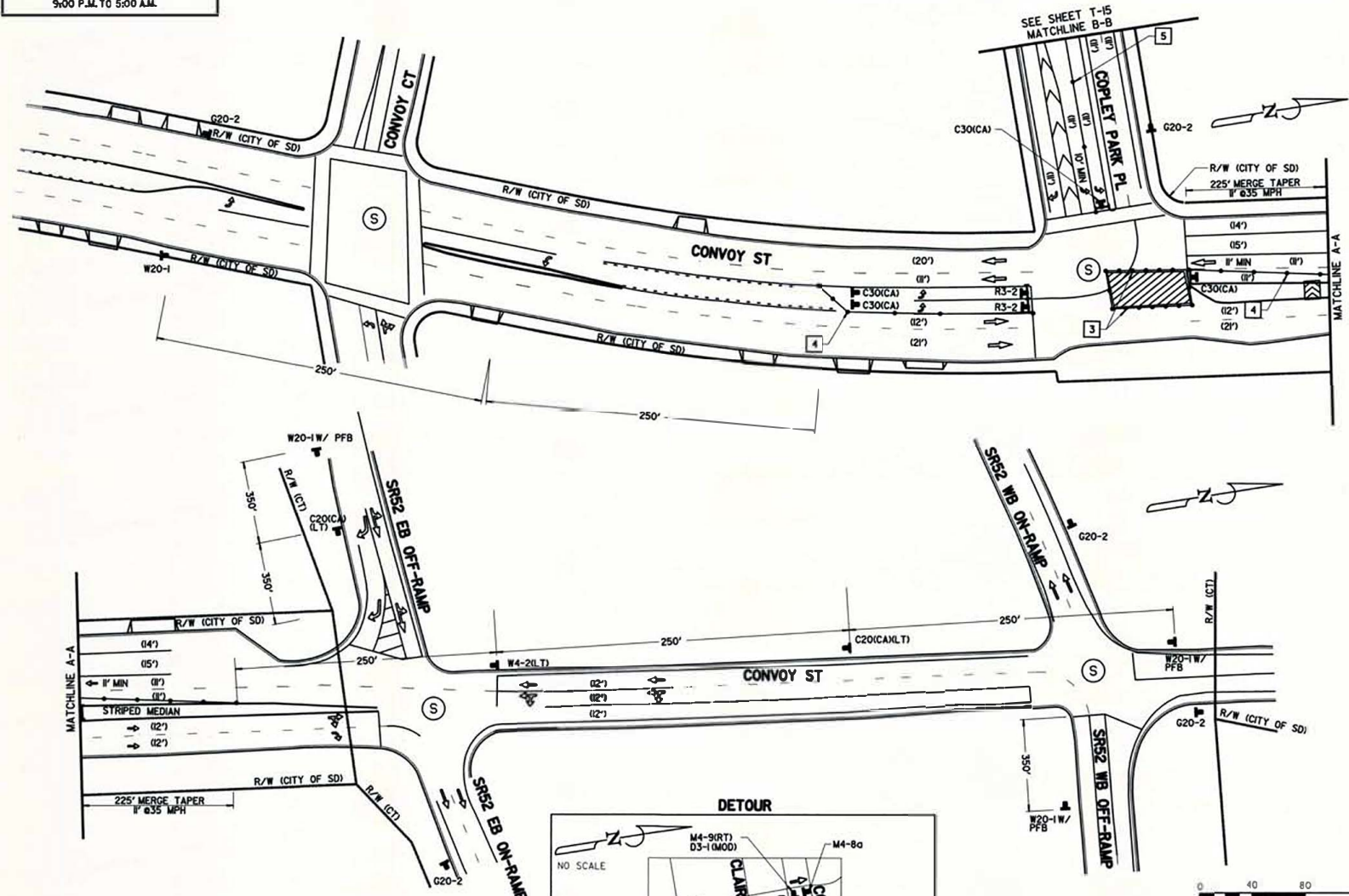
**Kimley»Horn**  
401 B STREET, SUITE 800 SAN DIEGO, CA 92101  
TEL (619) 234-9411





**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.

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

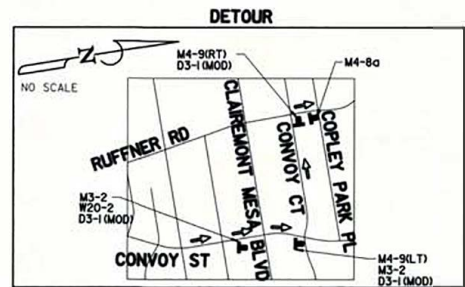


- LEGEND**
- WORK ZONE
  - DELINEATOR OR CONE
  - SIGN
  - TYPE III BARRICADE WITH SIGN
  - FLASHING ARROW BOARD
  - TRAFFIC SIGNAL
  - TRAFFIC DIRECTIONAL ARROW

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

**COPLEY PARK PL**  
D3-1(MOD)

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



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

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

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 15 OF 28 SHEETS

DATE: 2/15/2018  
DRAWN BY: ANURAHMAN  
CHECKED BY: JIM COLLINS  
DATE: 2/15/18

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	AK/XX			

CONTRACTOR: JIM COLLINS, 62000  
INSPECTOR: [Signature]

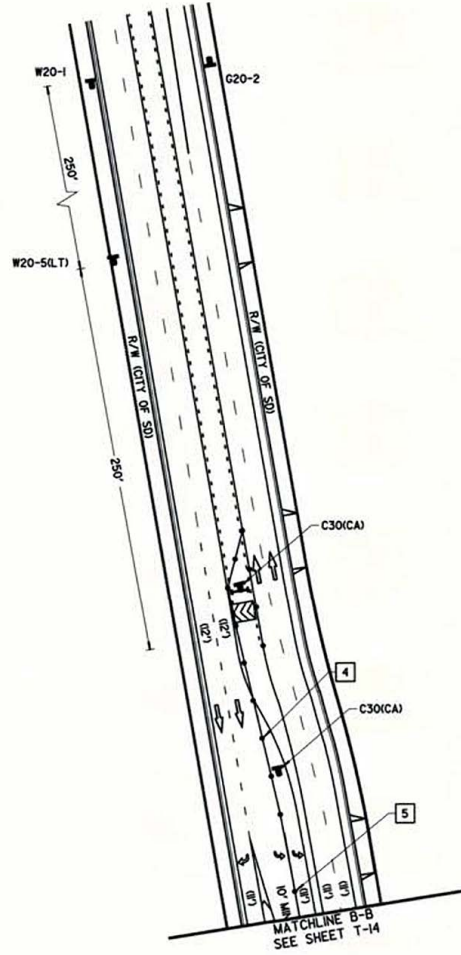
DATE STARTED: [ ] DATE COMPLETED: [ ]

40350-D-15



**WORK HOURS**  
5:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**



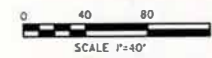
PERMIT NUMBER 11-XX-XXX-XXXX  
CO SD RTE 52 PM 5.5  
AS-BUILT PLANS FOR ROADWAY  
GEOMETRIC ABOVE GROUND  
FEATURES  
STATE REPRESENTATIVE DATE  
PLAN SET 1 PAGE X OF X

**CONSTRUCTION NOTES**

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

**LEGEND**

- ▨ WORK ZONE
- DELINEATOR OR CONE
- ⚡ SIGN
- ⌋ TYPE II BARRICADE WITH SIGN
- ⚡ FLASHING ARROW BOARD
- Ⓢ TRAFFIC SIGNAL
- TRAFFIC DIRECTIONAL ARROW
- XX' PROPOSED LANE WIDTH
- OO' EXISTING LANE WIDTH



T-15

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

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET # OF 28 SHEETS

WBS 8-1116/8-1117

2/13/19  
APPROVED: *Ahmed Asourahmah* 2/15/2019  
PROJECT MANAGER  
AHMED ASOURAHMAH  
PROJECT ENGINEER  
ELIZABETH DUNN

DESCRIPTION	BY	APPROVED	DATE PLANNED
ORIGINAL	AKK		

CONTRACTOR: JON M. COLLINS, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA  
CONTRACTOR NUMBER: 40360-D-16

DATE STARTED: \_\_\_\_\_ DATE COMPLETED: \_\_\_\_\_

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

**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.

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

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

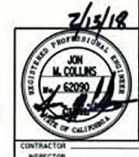
- SIGN LEGEND**
- W20-5(CTR)
  - W20-1
  - W4-2(RT)
  - R3-7
  - G20-2

- CONSTRUCTION NOTES**
- 3** SPACE DELINEATORS 2' ON CENTER
  - 4** SPACE DELINEATORS 25' ON CENTER
  - 5** SPACE DELINEATORS 50' ON CENTER

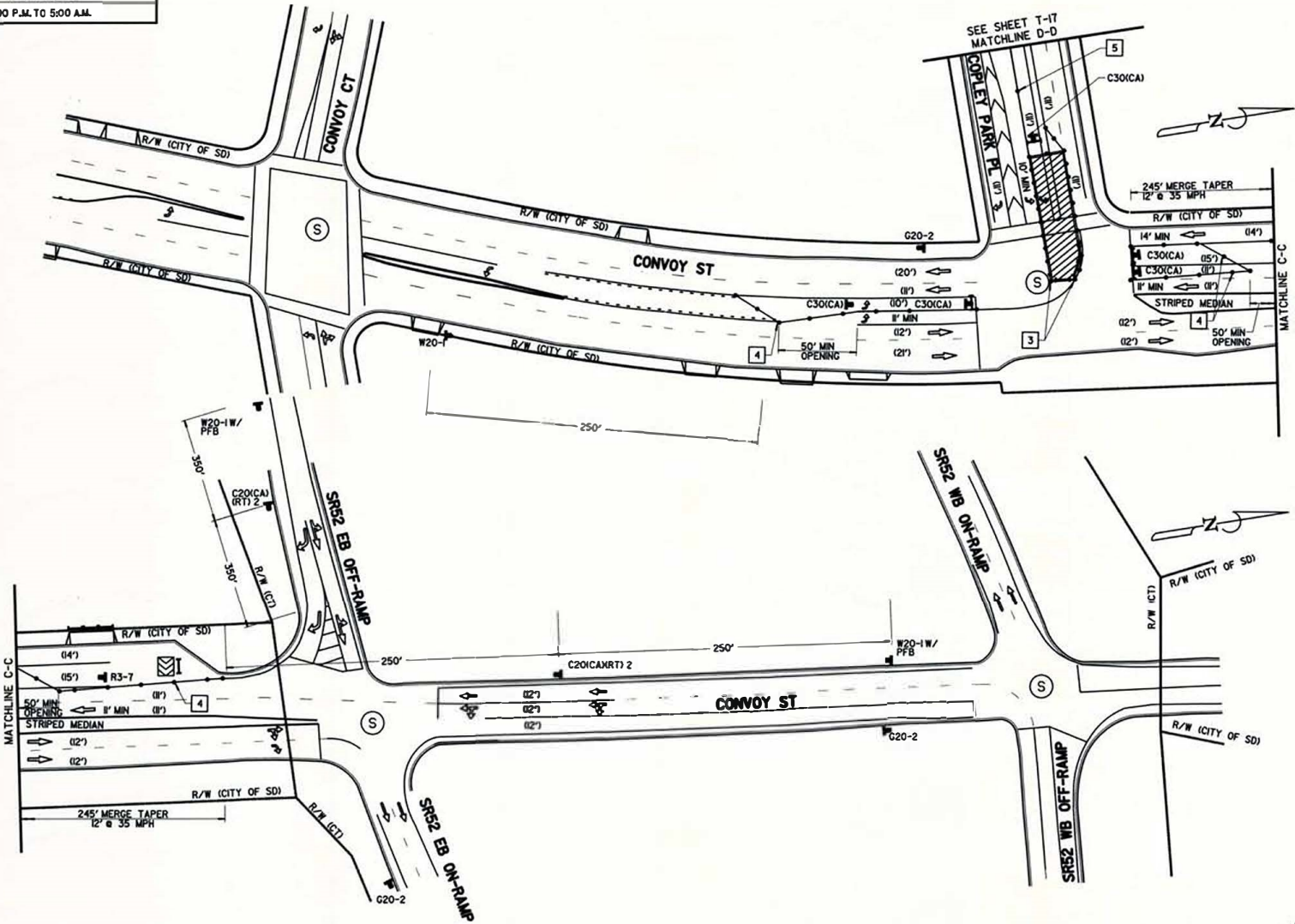


PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
COPLEY PARK PL - PHASE 3

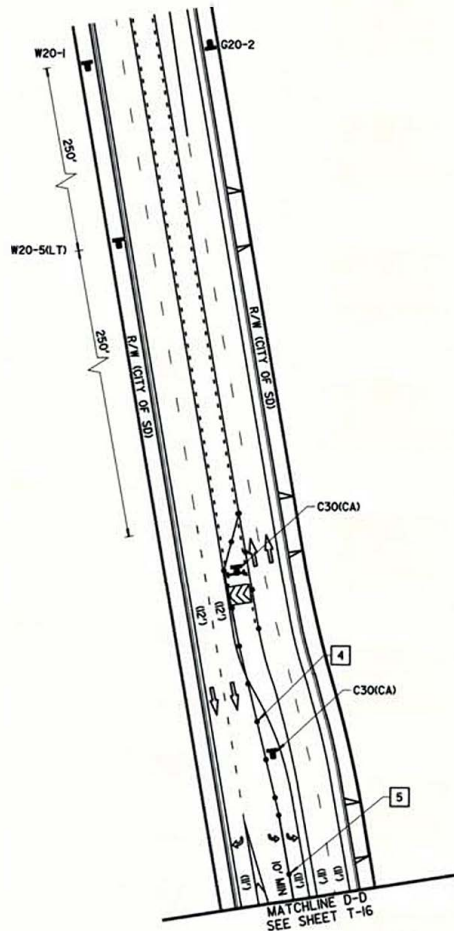
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT		WBS	B-17176/ B-17177
SHEET 17 OF 28 SHEETS		CASEY CARROLL PROJECT MANAGER	DATE
APPROVED BY: <b>AWWAHMAH</b>		ELIZABETH DUNN PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE FILED
ORIGINAL		XX/XX	
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	



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



**WORK HOURS**  
5:00 P.M. TO 5:00 A.M.

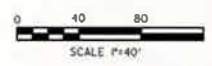


PERMIT NUMBER 11-XX-XXX-XXXX  
CO SD RTE 52 PM 5.5  
AS-BUILT PLANS FOR ROADWAY  
GEOMETRIC ABOVE GROUND  
FEATURES  
STATE REPRESENTATIVE DATE  
PLAN SET 1 PAGE X OF X

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



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



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

T-17

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

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 18 OF 28 SHEETS  
DATE 2/15/2018

WBS 8-1776/  
8-1777

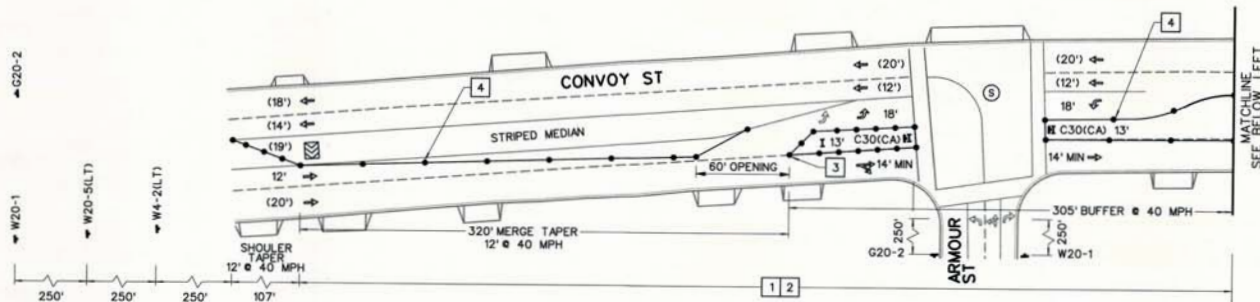
PROJECT ENGINEER  
ELIZABETH DUNN

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	XX/XX			

CONTRACTOR INSPECTOR      DATE STARTED      DATE COMPLETED

40550-D-18

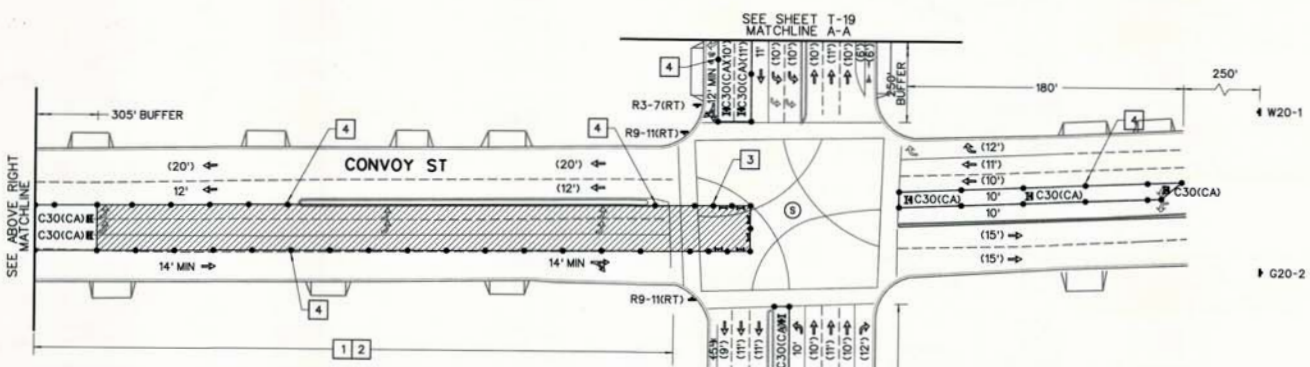




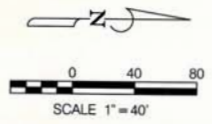
- LEGEND**
- WORK ZONE
  - DELINEATOR OR CONE
  - SIGN
  - TYPE III BARRICADE
  - TYPE III BARRICADE WITH SIGN
  - FLASHING ARROW BOARD
  - TRAFFIC DIRECTIONAL ARROW
  - TRAFFIC SIGNAL
  - EXISTING LANE WIDTH
  - 'XX' symbol"/> PROPOSED LANE WIDTH
  - PFB (PORTABLE FLASHING BEACON)
  - FLAGGER

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

**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.



- SIGN LEGEND**
- ROAD WORK AHEAD
  - LEFT LANE CLOSED AHEAD
  - LANE CLOSED
  - LANE CLOSED
  - KEEP RIGHT
  - RIGHT LANE MUST TURN RIGHT
  - END ROAD WORK
  - SIDEWALK CLOSED AHEAD - CROSS HERE
  - SIDEWALK CLOSED AHEAD - CROSS HERE



**CHEN RYAN**  
3900 5th AVENUE SUITE 210 SAN DIEGO, CA 92103  
OFFICE: (619) 795-6086



T-18

**PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
BALBOA AVE/CLAIREMONT MESA BLVD PHASE 1**











CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 18 OF 28 SHEETS

DATE: 6/15/2018  
PROJECT MANAGER: GARY CROWN  
PROJECT ENGINEER: ELIZABETH BROWN  
CONTRACTOR: CHEN RYAN  
INSPECTOR: [Signature]

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	XXXX			

DATE STARTED: \_\_\_\_\_ DATE COMPLETED: 40350-D-19

**LEGEND**







-  WORK ZONE
-  DELINEATOR OR CONE
-  SIGN
-  TYPE III BARRICADE
-  TYPE III BARRICADE WITH SIGN
-  FLASHING ARROW BOARD
-  TRAFFIC DIRECTIONAL ARROW
-  TRAFFIC SIGNAL
- (XX')
- XX'
-  PFB (PORTABLE FLASHING BEACON)
-  FLAGGER

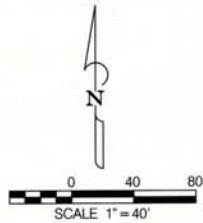
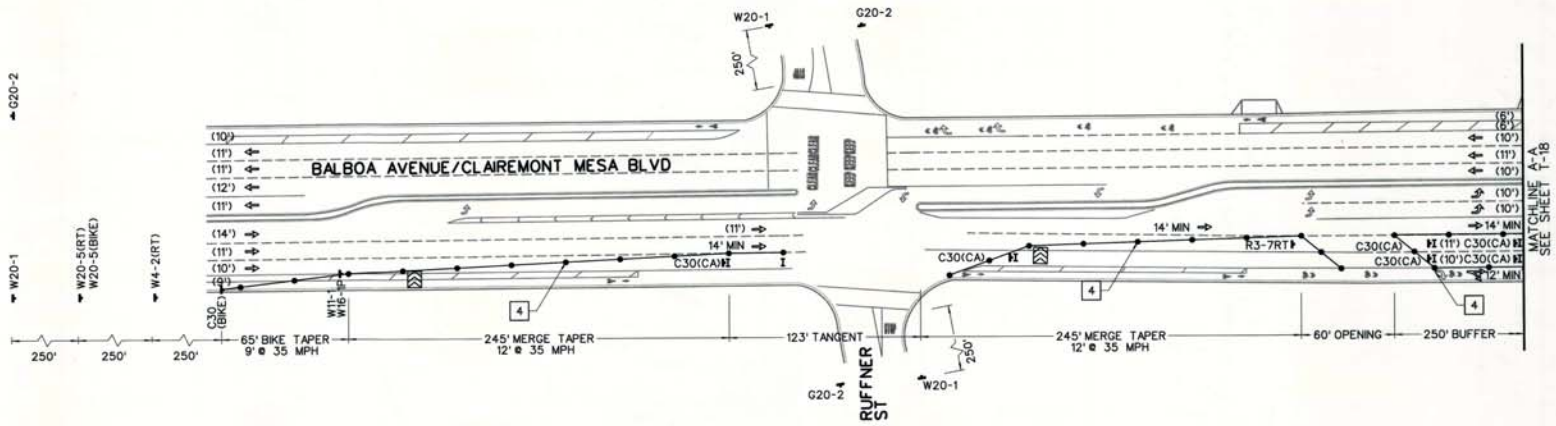
**CONSTRUCTION NOTES**

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

<b>WORK HOURS</b>
9:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**

 W20-1	 W20-5(RT)	 W4-2(RT)	 C30(CA)
 W16-1P	 W11-1	 W20-5(BIKE)	 C30(BIKE)
	 G20-2	 R3-7(RT)	



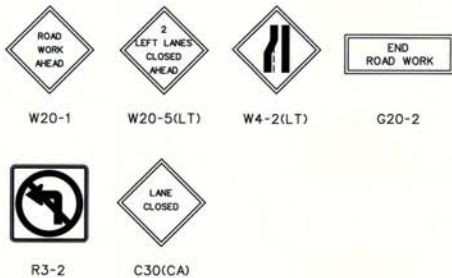
**CHEN RYAN**  
 3900 5th AVENUE SUITE 210 SAN DIEGO, CA 92103  
 OFFICE: (619) 795-6086



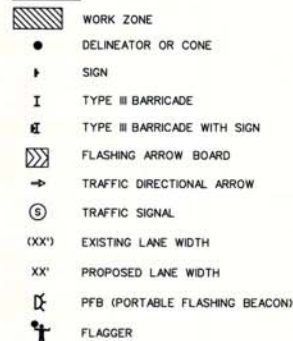
<b>PLANS FOR THE CONSTRUCTION OF AC WATER AND SEWER GROUP 1042 TRAFFIC CONTROL PLANS BALBOA AVE/CLAIREMONT MESA BLVD PHASE 1</b>			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 29 OF 28 SHEETS		WBS9-17176/B-17177	
PROJECT MANAGER <b>GASEN CROZIN</b>		DATE <b>2/15/2018</b>	
PROJECT ENGINEER <b>ELIZABETH DOWNS</b>		PROJECT NUMBER <b>40350-D-20</b>	
DESCRIPTION	BY	APPROVED	DATE FILMED
ORIGINAL	XX/XX		
CONTRACTOR INSPECTOR		DATE STARTED DATE COMPLETED	



**SIGN LEGEND**



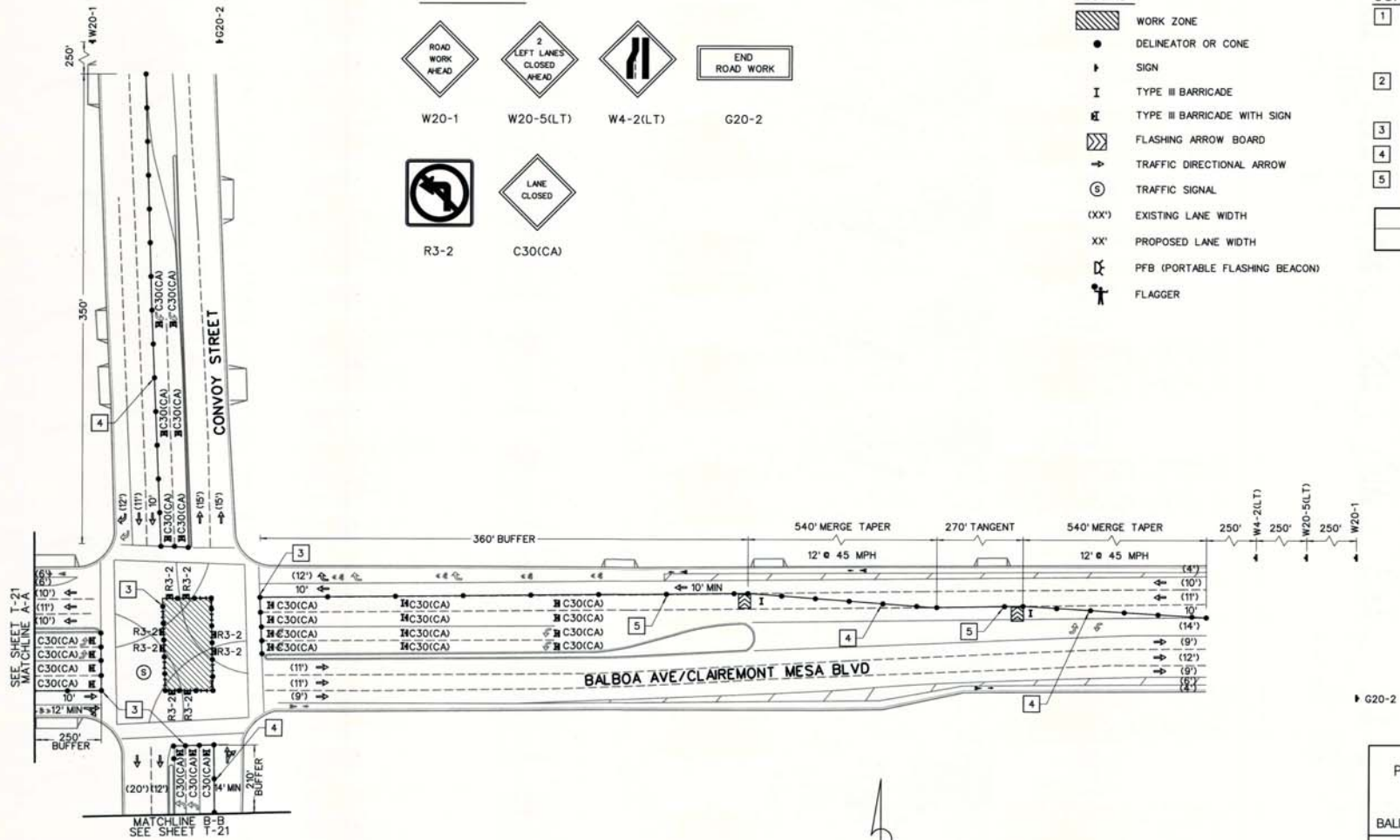
**LEGEND**



**CONSTRUCTION NOTES**

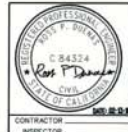
- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
- 2 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.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

WORK HOURS	
9:00 P.M. TO 5:00 A.M.	

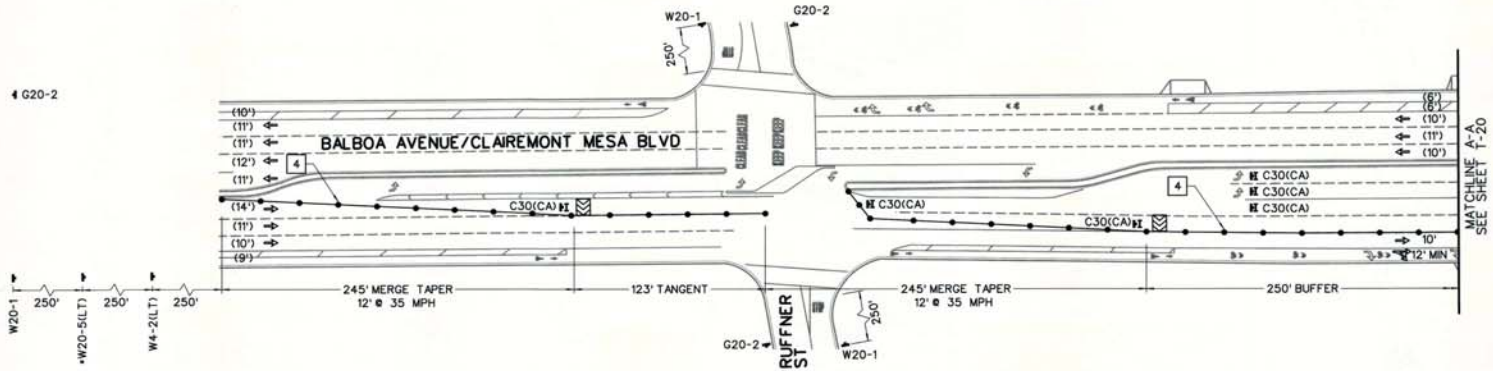
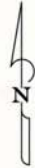


PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
BALBOA AVE/CLAIREMONT MESA BLVD PHASE 2

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 21 OF 28 SHEETS		WBS8-17176/B-17177	
APPROVED: <i>Abdul Asurrahmah</i> 2/15/2018 DATE: 2/15/2018		PROJECT MANAGER: ELIZABETH DUNN	
DESIGNER: CHEN+RYAN		PROJECT ENGINEER: ELIZABETH DUNN	
DESCRIPTION	BY	APPROVED	DATE FILED
ORIGINAL	XXX/XX		
CONTRACTOR: CHEN+RYAN		DATE STARTED: _____	
INSPECTOR: _____		DATE COMPLETED: _____	
		40350-D-21	



**CHEN+RYAN**  
3900 5th AVENUE SUITE 210 SAN DIEGO, CA 92103  
OFFICE: (619) 795-6086

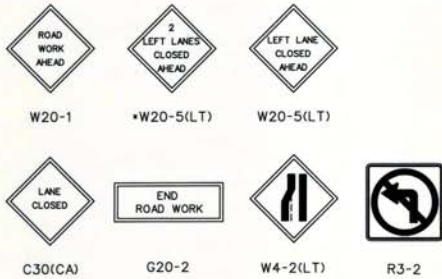


**CONSTRUCTION NOTES**

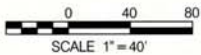
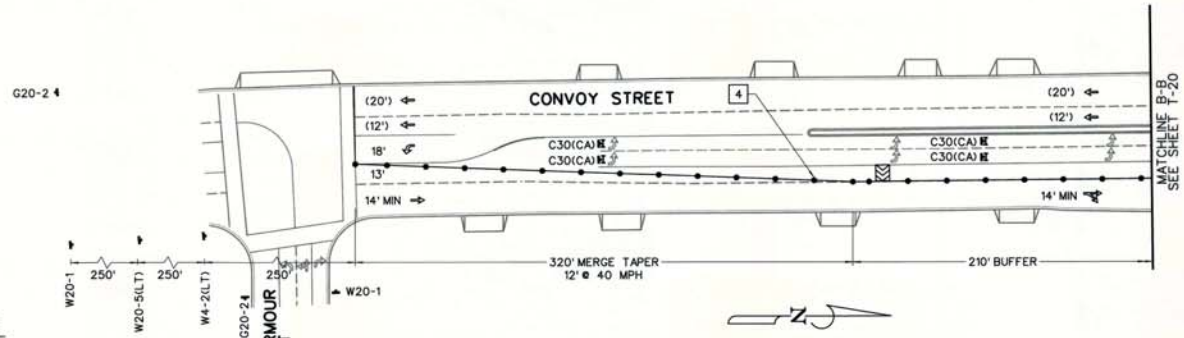
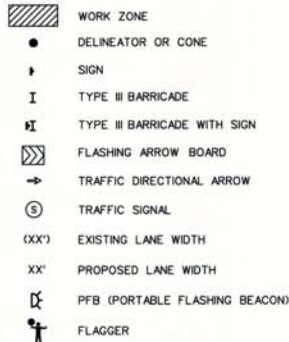
- 1 CONTRACTOR SHALL NOTIFY PUBLIC AND FURNISH AND INSTALL TEMPORARY NO PARKING SIGNS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. NO PARKING SIGNS TO REMAIN FOR DURATION OF CONSTRUCTION.
- 2 CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS FOR PEDESTRIANS AND ACCESS TO PROPERTIES THROUGHOUT DURATION OF CONSTRUCTION.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

WORK HOURS	
9:00 P.M. TO 5:00 A.M.	

**SIGN LEGEND**



**LEGEND**



**CHEN+RYAN**  
 3900 5th AVENUE SUITE 210 SAN DIEGO, CA 92103  
 OFFICE: (619) 795-6086



T-21

**PLANS FOR THE CONSTRUCTION OF  
 AC WATER AND SEWER GROUP 1042  
 TRAFFIC CONTROL PLANS  
 BALBOA AVE/CLAIREMONT MESA BLVD PHASE 2**

CITY OF SAN DIEGO, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 SHEET 22 OF 28 SHEETS

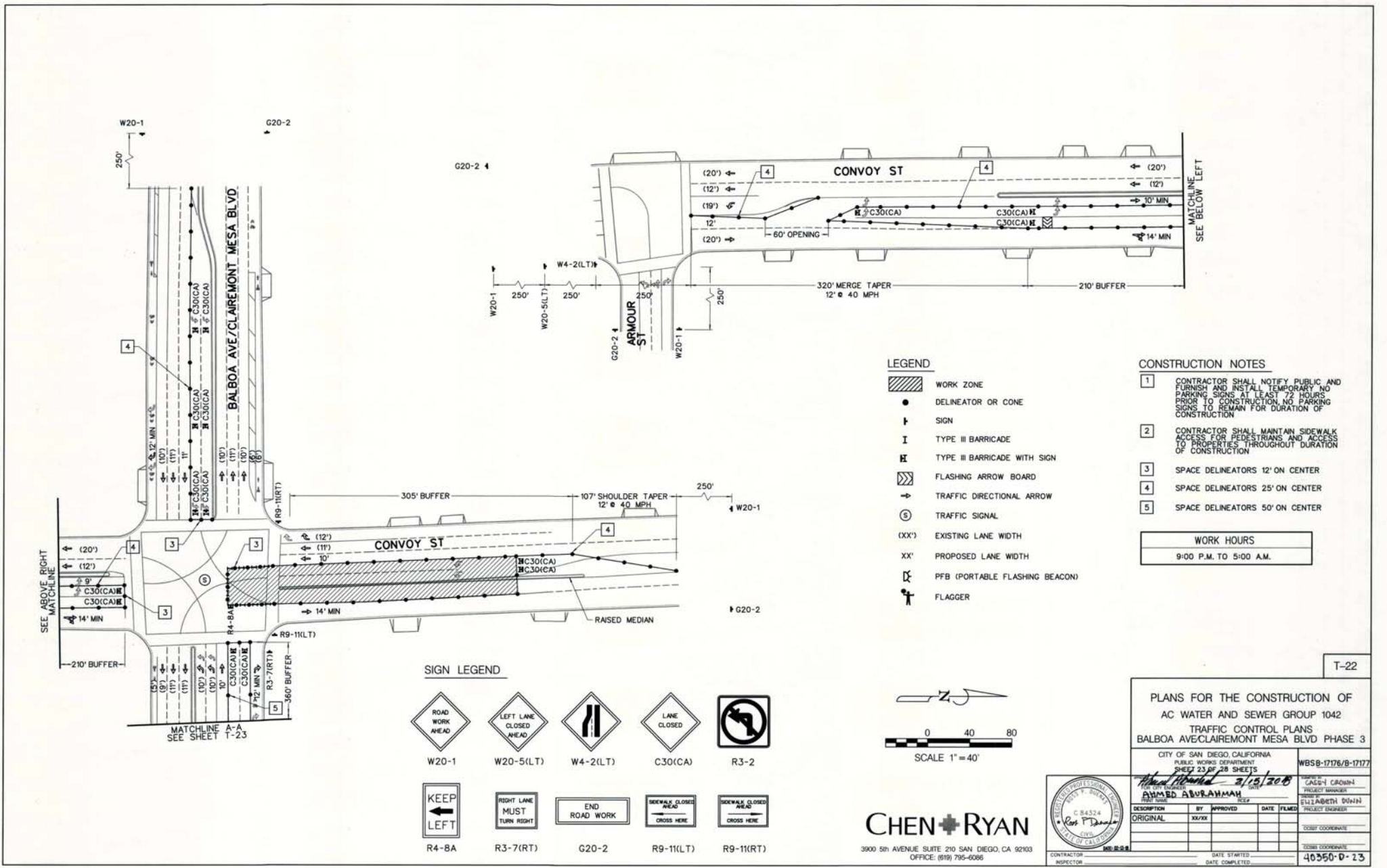
WBSB-17176/B-17177

APPROVED: *Abdul H. Ibrahim* 2/15/2018  
 PROJECT MANAGER  
 REVIEWED: *ILLIAMETHA DUNN*  
 PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	XXXX			

CONTRACTOR: **MR. BSA**  
 INSPECTOR: \_\_\_\_\_  
 DATE STARTED: \_\_\_\_\_  
 DATE COMPLETED: \_\_\_\_\_

40350-D-22

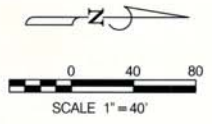


- LEGEND**
- WORK ZONE
  - DELINEATOR OR CONE
  - SIGN
  - TYPE III BARRICADE
  - TYPE III BARRICADE WITH SIGN
  - FLASHING ARROW BOARD
  - TRAFFIC DIRECTIONAL ARROW
  - TRAFFIC SIGNAL
  - EXISTING LANE WIDTH
  - PROPOSED LANE WIDTH
  - PFB (PORTABLE FLASHING BEACON)
  - FLAGGER

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

**WORK HOURS**  
9:00 P.M. TO 5:00 A.M.

- SIGN LEGEND**
- W20-1
  - W20-5(LT)
  - W4-2(LT)
  - C30(CA)
  - R3-2
  - R4-8A
  - R3-7(RT)
  - G20-2
  - R9-11(LT)
  - R9-11(RT)



**CHEN RYAN**  
3900 5th AVENUE SUITE 210 SAN DIEGO, CA 92103  
OFFICE: (619) 795-6286



T-22

**PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
BALBOA AVE/CLAIREMONT MESA BLVD PHASE 3**

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 23 OF 28 SHEETS

APPROVED: *Ahmed A. Ibrahim* DATE: 2/15/2018  
PROJECT MANAGER: ELIZABETH DINN  
PROJECT ENGINEER: [Signature]

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	XX/XX			

CONTRACTOR: [Signature] INSPECTOR: [Signature]

DATE STARTED: [ ] DATE COMPLETED: [ ]

WBS#-17176/8-17177

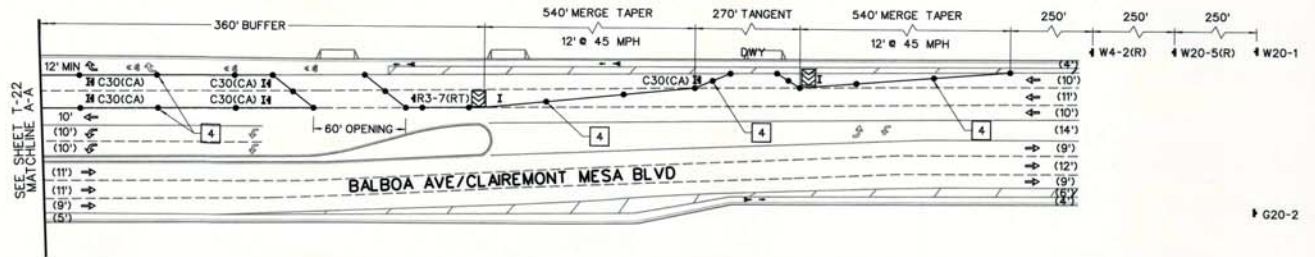
40350-D-23



**CONSTRUCTION NOTES**

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

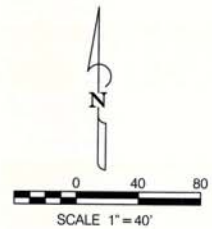
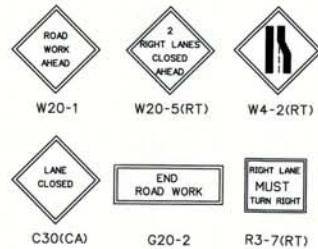
WORK HOURS
9:00 P.M. TO 5:00 A.M.



**LEGEND**

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

**SIGN LEGEND**



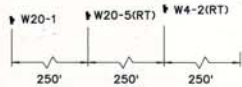
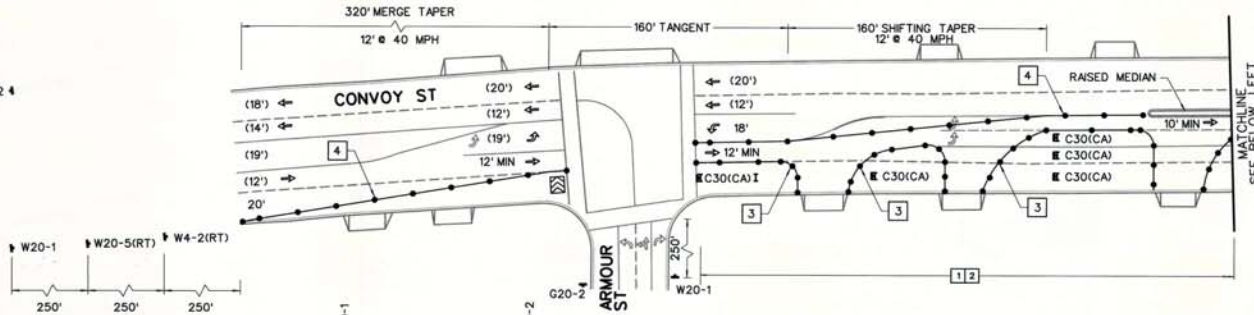
**CHEN RYAN**

3900 5th AVENUE SUITE 210 SAN DIEGO, CA 92103  
OFFICE: (619) 795-6086

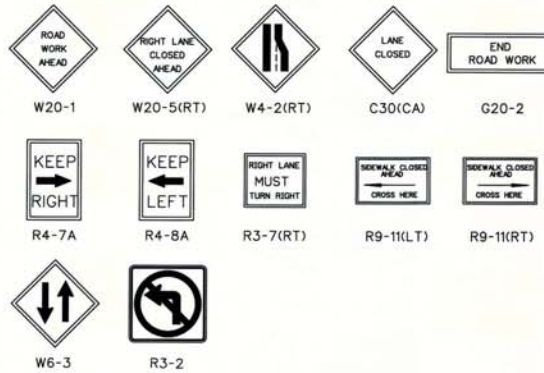
		CONTRACTOR INSPECTOR	
		DATE STARTED _____ DATE COMPLETED _____	

PLANS FOR THE CONSTRUCTION OF AC WATER AND SEWER GROUP 1042 TRAFFIC CONTROL PLANS BALBOA AVE/CLAIREMONT MESA BLVD PHASE 3	
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 24 OF 28 SHEETS 24/04/2018 3/15/2018 MOHAMED ABURRAHMAN TRAFFIC ENGINEER	
WBSB-17178/B-17177 DRAWN BY: CASEY CALDWELL CHECKED BY: SALLABETHA DOWNS TRAFFIC ENGINEER	
COUNTY COORDINATOR _____ TOWN COORDINATOR _____ 40350-D-14	

G20-2 4



**SIGN LEGEND**



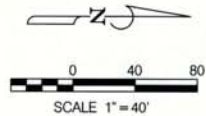
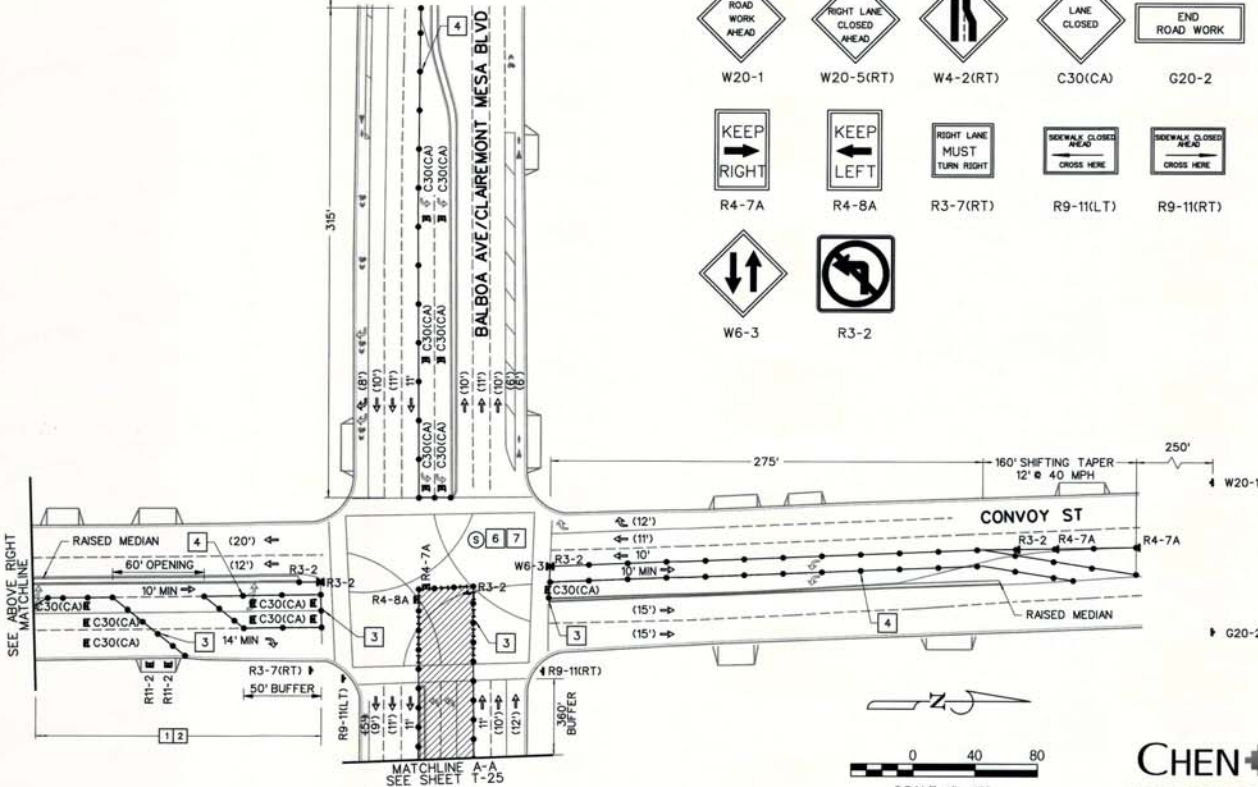
**LEGEND**

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- DELINEATOR OR CONE
- SIGN
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- FLASHING ARROW BOARD
- TRAFFIC DIRECTIONAL ARROW
- TRAFFIC SIGNAL
- EXISTING LANE WIDTH
- PROPOSED LANE WIDTH
- PFB (PORTABLE FLASHING BEACON)
- FLAGGER

**CONSTRUCTION NOTES**

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- 6 TRAFFIC SIGNAL SHALL OUTPUT FLASHING RED DURING CONSTRUCTION HOURS.
- 7 CONSTRUCTION HOURS SHALL BE BETWEEN 9PM AND 5AM.

WORK HOURS	
9:00 P.M. TO 5:00 A.M.	



**CHEN RYAN**  
 3900 5th AVENUE, SUITE 210 SAN DIEGO, CA 92103  
 OFFICE: (619) 795-6066



T-24

**PLANS FOR THE CONSTRUCTION OF  
 AC WATER AND SEWER GROUP 1042  
 TRAFFIC CONTROL PLANS  
 BALBOA AVE/CLAIREMONT MESA BLVD PHASE 4**

CITY OF SAN DIEGO, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 SHEET 25 OF 28 SHEETS

DATE: 2/15/2018  
 PROJECT MANAGER: CASPER CROWIN  
 PROJECT ENGINEER: ELLIENETH DUNN  
 COUNTY COORDINATOR: [Blank]  
 COUNTY COORDINATOR: [Blank]

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL		XX/XX		











CONTRACTOR: CHEN RYAN  
 INSPECTOR: [Blank]

DATE STARTED: [Blank]  
 DATE COMPLETED: [Blank]

PROJECT NUMBER: 40360-D-25



**LEGEND**

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

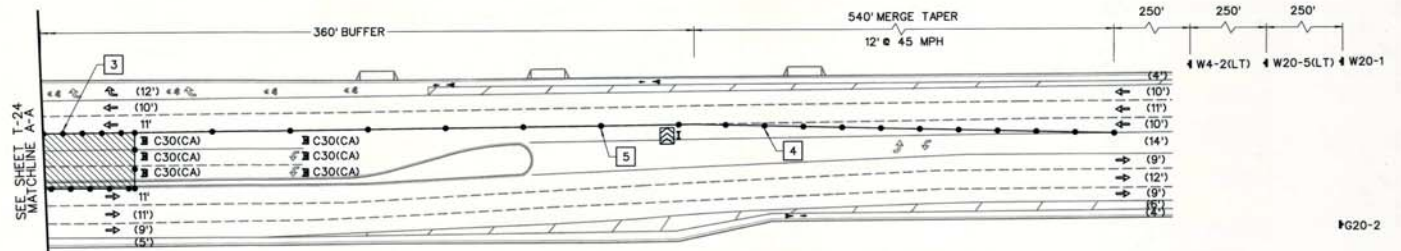
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- 4 SPACE DELINEATORS 25' ON CENTER
- 5 SPACE DELINEATORS 50' ON CENTER

**WORK HOURS**

9:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**



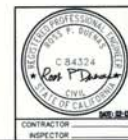
#G20-2

T-25

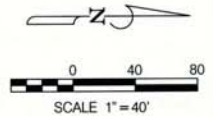
PLANS FOR THE CONSTRUCTION OF  
AC WATER AND SEWER GROUP 1042  
TRAFFIC CONTROL PLANS  
BALBOA AVE/CLAIREMONT MESA BLVD PHASE 4

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 26 OF 28 SHEETS  
WBSB-17176/R-17177

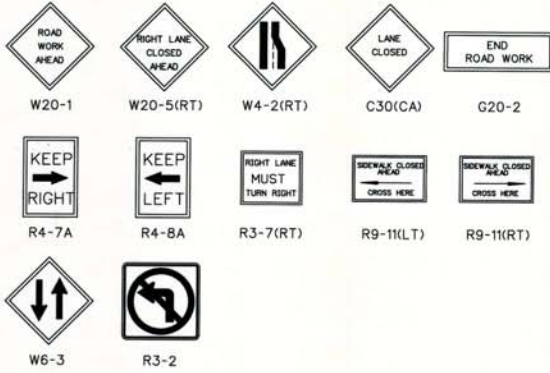
APPROVED BY <i>Ali Al-Hadi</i> 2/15/2018	DATE	2/15/2018
PROJECT MANAGER <i>Ali Al-Hadi</i>	PROJECT SUPERVISOR <i>WILLIAM DORR</i>	
DESCRIPTION	BY	APPROVED
ORIGINAL	XX/XX	
DATE FILMED		
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	



**CHEN RYAN**  
3900 5th AVENUE, SUITE 210 SAN DIEGO, CA 92103  
OFFICE: (619) 795-6086



**SIGN LEGEND**



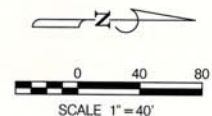
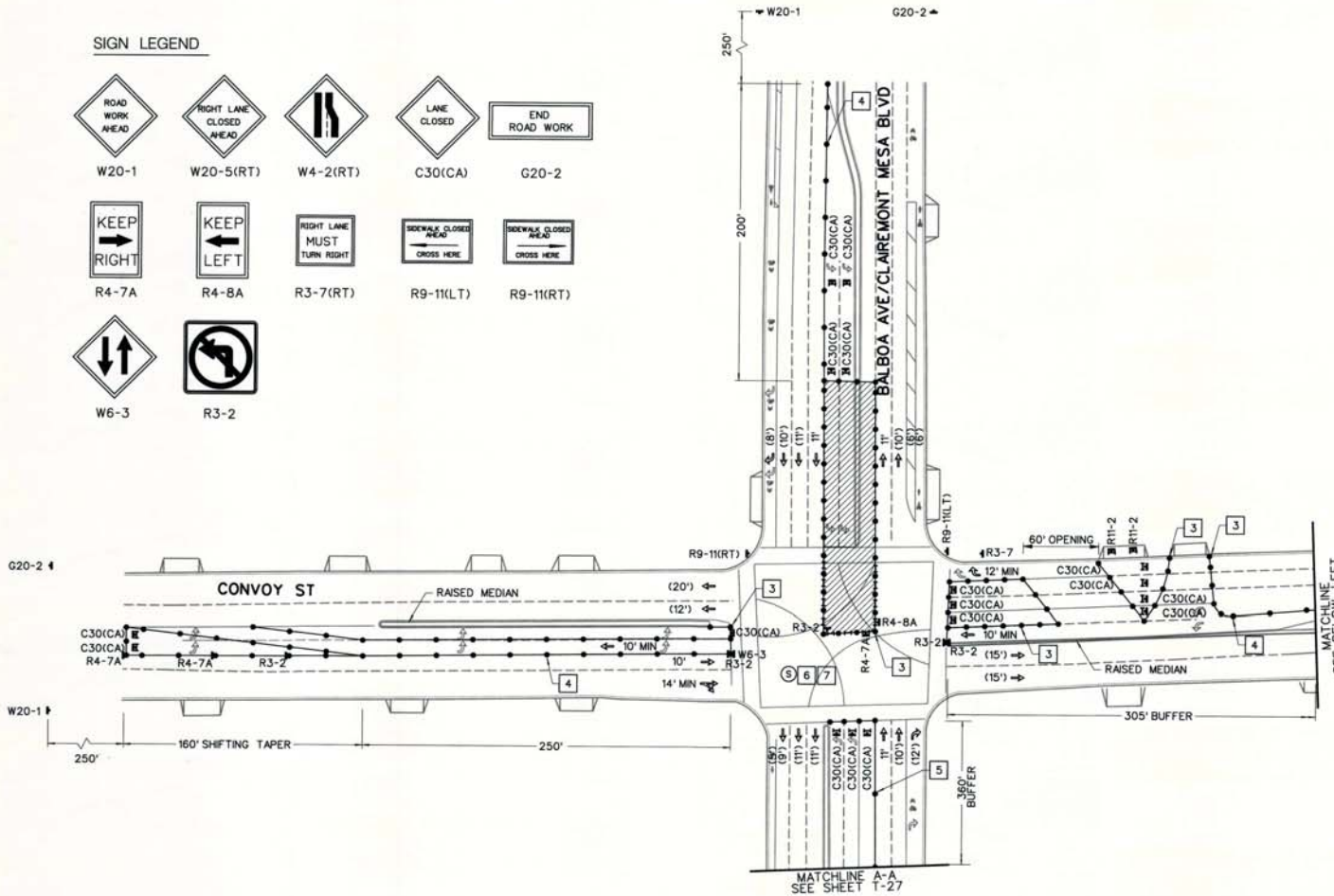
**LEGEND**



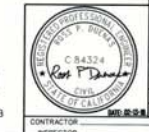
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WORK HOURS	
9:00 P.M. TO 5:00 A.M.	



**CHEN RYAN**  
 3900 9th AVENUE SUITE 210 SAN DIEGO, CA 92103  
 OFFICE: (619) 795-6000













T-26

**PLANS FOR THE CONSTRUCTION OF  
 AC WATER AND SEWER GROUP 1042  
 TRAFFIC CONTROL PLANS  
 BALBOA AVE/CLAIREMONT MESA BLVD PHASE 5**

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 27 OF 28 SHEETS		WBS8-17176/B-17177
DESIGNED BY: <i>Ahmed Aburhman</i> DATE: 7/19/2018		CHECKED BY: JAGREY GROWN
DRAWN BY: AHMED ABURHMAN		PROJECT NUMBER:
DATE: 7/19/2018		PROJECT ENGINEER:
SCALE: AS SHOWN		CHECK COORDINATOR:
CONTRACTOR: CHEN RYAN		CHECK COORDINATOR:
INSPECTOR: [Signature]		DATE STARTED: [ ]
DATE COMPLETED: [ ]		40350-D-17

**LEGEND**

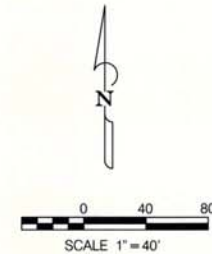
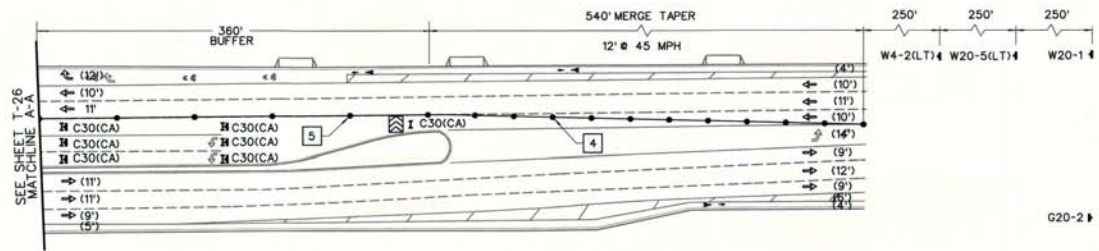
-  WORK ZONE
-  DELINEATOR OR CONE
-  SIGN
-  TYPE III BARRICADE
-  TYPE III BARRICADE WITH SIGN
-  FLASHING ARROW BOARD
-  TRAFFIC DIRECTIONAL ARROW
-  TRAFFIC SIGNAL
- (XX')
- XX'
-  PFB (PORTABLE FLASHING BEACON)
-  FLAGGER

**CONSTRUCTION NOTES**

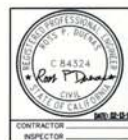
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- 3 SPACE DELINEATORS 12' ON CENTER
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- 5 SPACE DELINEATORS 50' ON CENTER

<b>WORK HOURS</b>
9:00 P.M. TO 5:00 A.M.

**SIGN LEGEND**



**CHEN RYAN**  
 3900 5th AVENUE SUITE 210 SAN DIEGO, CA 92103  
 OFFICE: (619) 796-6086



<b>PLANS FOR THE CONSTRUCTION OF AC WATER AND SEWER GROUP 1042 TRAFFIC CONTROL PLANS BALBOA AVE/CLAIREMONT MESA BLVD PHASE 5</b>			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT		WBSB-17176/B-17177	
SHEET 28 OF 28 SHEETS		DATE: 2/12/2018	
PROJECT MANAGER: <b>AMRO ABU-ANAN</b>		PROJECT ENGINEER: <b>ELIZABETH DENN</b>	
JOB NO.:		JOB #:	
DESCRIPTION	BY	APPROVED	DATE FILMED
ORIGINAL	XX/XX		
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
		<b>40360-D-28</b>	

**ATTACHMENT F**  
**INTENTIONALLY LEFT BLANK**

**ATTACHMENT G**  
**CONTRACT AGREEMENT**



## CONTRACT AGREEMENT

---

### CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and Burtech Pipeline Incorporated, herein called "Contractor" for construction of **Pipeline Rehabilitation AO-1** ; Bid No. **K-18-1719-DBB-3**; in the amount of **Three Million Seventy Four Thousand Eight Hundred Eighty Six Dollars and Ten Cents (\$3,074,886.10)**, 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) That certain documents entitled **Pipeline Rehabilitation AO-1**, on file in the office of the Public Works Department as Document No. **B-16161**, 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 AO-1**, Bid No. **K-18-1719-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 522.3102 authorizing such execution.

**THE CITY OF SAN DIEGO**

**APPROVED AS TO FORM**

Mara W. Elliott, City Attorney

By 

By 

Print Name: Stephen Samara  
Principal Contract Specialist  
Public Works Department

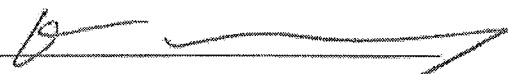
Print Name: Pedro De Lara, Jr.  
Députy City Attorney

Date: 10/18/2018

Date: 10/22/18

**CONTRACTOR**

**BURTECH PIPELINE INCORPORATED**

By 

Print Name: DOMINIC J. BURTECH

Title: PRESIDENT & CEO

Date: 08/30/2018

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

## **BIDDER'S GENERAL INFORMATION**

To the City of San Diego:

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

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

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

State of California

County of San Diego

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



## CONTRACTOR CERTIFICATION

---

### DRUG-FREE WORKPLACE

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

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

## CONTRACTOR CERTIFICATION

---

### AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

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

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

## **CONTRACTOR CERTIFICATION**

---

### **CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE**

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

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

## CONTRACTOR CERTIFICATION

---

### EQUAL BENEFITS ORDINANCE CERTIFICATION

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

## **CONTRACTOR CERTIFICATION**

---

### **EQUAL PAY ORDINANCE CERTIFICATION**

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

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

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

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



**AFFIDAVIT OF DISPOSAL**

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

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

**Pipeline Rehabilitation AO-1**

(Name of Project)

as particularly described in said contract and identified as Bid No. **K-18-1719-DBB-3**; SAP No. **B-16161**; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

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

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

Dated this \_\_\_\_\_ DAY OF \_\_\_\_\_, \_\_\_\_\_.

By: \_\_\_\_\_  
Contractor

**ATTEST:**

State of \_\_\_\_\_ County of \_\_\_\_\_

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

Notary Public in and for said County and State

**LIST OF SUBCONTRACTORS**

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

In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the California Public Contract Code (PCC), the Bidder is to list below the name, address and license number of each Subcontractor who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement, in an amount of or in excess of 0.5% of the Contractor's total Bid. Failure to comply with this requirement may result in the Bid being rejected as non-responsive. The Contractor is to list only one Subcontractor for each portion of the Work. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percentage of the Work to be performed with the Bidder's own forces. The Bidder is to also list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which the Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

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

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

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

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

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

**NAMED EQUIPMENT/MATERIAL SUPPLIER LIST**

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

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

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

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

## **ELECTRONICALLY SUBMITTED FORMS**

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

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

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

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

**BID BOND**

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

KNOW ALL MEN BY THESE PRESENTS,

That 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 AO-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 \_\_\_\_\_ 15TH day of \_\_\_\_\_ AUGUST, 20 18 \_\_\_\_\_

BURTECH PIPELINE, INCORPORATED (SEAL)

NORTH AMERICAN  
SPECIALTY INSURANCE COMPANY (SEAL)

(Principal)

(Surety)

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

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

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)



# CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

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

State of California }

County of San Diego }

On 8/21/18 before me, Arthur P. Arquilla, Notary Public  
(Here insert name and title of the officer)

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

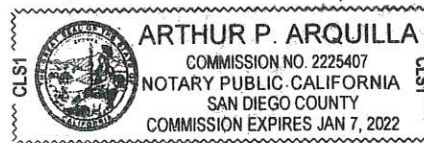
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

*Arthur P. Arquilla*

Notary Public Signature

(Notary Public Seal)



### ADDITIONAL OPTIONAL INFORMATION

#### DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages \_\_\_\_\_ Document Date \_\_\_\_\_

#### CAPACITY CLAIMED BY THE SIGNER

- Individual (s)  
 Corporate Officer

\_\_\_\_\_  
(Title)

- Partner(s)  
 Attorney-in-Fact  
 Trustee(s)  
 Other \_\_\_\_\_

### INSTRUCTIONS FOR COMPLETING THIS FORM

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

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

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

CIVIL CODE § 1189

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

State of California }  
County of SAN DIEGO }

On 8/15/2018 before me, SANDRA FIGUEROA, NOTARY PUBLIC  
*Date Here Insert Name and Title of the Officer*  
personally appeared MARK D. IATAROLA  
*Name(s) of Signer(s)*

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



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.  
WITNESS my hand and official seal.

Place Notary Seal and/or Stamp Above

Signature *Sandra Figueroa*  
*Signature of Notary Public*

**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 Signer's Name: \_\_\_\_\_  
 Corporate Officer – Title(s): \_\_\_\_\_  Corporate Officer – Title(s): \_\_\_\_\_  
 Partner –  Limited  General  Partner –  Limited  General  
 Individual  Attorney in Fact  Individual  Attorney in Fact  
 Trustee  Guardian of Conservator  Trustee  Guardian of Conservator  
 Other: \_\_\_\_\_  Other: \_\_\_\_\_  
Signer is Representing: \_\_\_\_\_ Signer is Representing: \_\_\_\_\_

SWISS RE CORPORATE SOLUTIONS

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 Overland Park, Kansas, 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 Overland Park, Kansas, each does hereby make, constitute and appoint:

JOHN G. MALONEY, HELEN MALONEY, MARK D. IATAROLA, AND SANDRA FIGUEROA

HELEN E. WHEALDON

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 9<sup>th</sup> 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 12 day of JANUARY, 2018.

North American Specialty Insurance Company  
Washington International Insurance Company

State of Illinois  
County of Cook ss:

On this 12 day of JANUARY, 2018, 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 15th day of AUGUST, 2018.

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



## CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

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

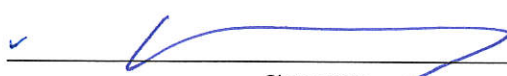
CHECK ONE BOX ONLY.

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

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/REMEDIAL ACTION TAKEN
	NONE				

Contractor Name: BURTECH PIPELINE INCORPORATED

Certified By DOMINIC J. BURTECH Title PRESIDENT & CEO  
Name

 Date 8/22/18  
Signature

**USE ADDITIONAL FORMS AS NECESSARY**

## Mandatory Disclosure of Business Interests Form

### BIDDER/PROPOSER INFORMATION

Legal Name	BURTECH PIPELINE INCORPORATED			DBA
Street Address	City	State	Zip	
102 SECOND STREET,	ENCINITAS,	CA	92024	
Contact Person, Title	Phone	Fax		
Dominic J. Burtech, President & CEO	(760) 634-2822	(760) 634-2415		

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

\* The precise nature of the interest includes:

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

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

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

<u>DOMINIC J. BURTECH</u>	<u>PRESIDENT &amp; CEO</u>
Name	Title/Position

<u>ENCINITAS, CA</u>	
City and State of Residence	Employer (if different than Bidder/Proposer)

<u>51% OWNERSHIP</u>	
Interest in the transaction	

<u>JULIE J. BURTECH</u>	<u>EXEC. VP &amp; SECRETARY</u>
Name	Title/Position

<u>ENCINITAS, CA</u>	
City and State of Residence	Employer (if different than Bidder/Proposer)

<u>49% OWNERSHIP</u>	
Interest in the transaction	


<u>49% OWNERSHIP</u>	
Interest in the transaction	

<u>49% OWNERSHIP</u>	
Interest in the transaction	

<u>49% OWNERSHIP</u>	
Interest in the transaction	

### \* Use Additional Pages if Necessary \*

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

<u>Dominic J. Burtech, President &amp; CEO</u>		<u>8/22/18</u>
Print Name, Title	Signature	Date

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



### LIST OF TIERED SUBCONTRACTORS

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

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK
Name: <u>YBS CONCRETE INC.</u> Address: <u>PO BOX 1197</u> City: <u>BONITA</u> State: <u>CA</u> Zip: <u>91908</u> Phone: <u>(619) 271-6122</u> Email: <u>ybsconcrete@yahoo.com</u>	CONSTRUCTOR	100005182	#885270	CONCRETE FLATWORKS
Name: <u>PAYCO SPECIALTIES INC.</u> Address: <u>120 North Second Avenue,</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91910</u> Phone: <u>(619) 422-9204</u> Email: <u>estimating@payco.biz</u>	CONSTRUCTOR	100003515	#298637	STRIPING
Name: <u>TERRA WEST INC.</u> Address: <u>591 Telegraph Canyon Rd# 713</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91910</u> Phone: <u>(619) 488-3000</u> Email: <u>roberto@terrawestinc.com</u>	DESIGNER	100007319	QSP/QSD SLBE#10TW0007	WPCP DEVELOPMENT
Name: <u>California Asphalt Paving &amp; Grading</u> Address: <u>674 Alagria Place,</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91902</u> Phone: <u>(619) 890-0826</u> Email: <u>capavingandgrading@gmail.com</u>	CONSTRUCTOR	1000053679	#1022053	ASPHALT PAVING

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

### LIST OF TIERED SUBCONTRACTORS

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

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK
Name: <u>National Coating &amp; Lining Company</u> Address: <u>26713 Madison Avenue,</u> City: <u>Murrieta</u> State: <u>CA</u> Zip: <u>92562</u> Phone: <u>(951) 471-3388</u> Email: <u>jim@nc-lc.com</u>	CONSTRUCTOR	1000013795	#886430	MANHOLE REHABILITATION
Name: <u>REC TRUCKING INC.</u> Address: <u>1128 2nd Avenue</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91911</u> Phone: <u>(619) 392-9688</u> Email: <u>rectrucking.inc@gmail.com</u>	CONSTRUCTOR	1000040647	DMV MCP CA# 439696	TRUCKING SERVICES
Name: <u>NULINE TECHNOLOGIES, LLC</u> Address: <u>102 2nd Street Suite B</u> City: <u>Encinitas</u> State: <u>CA</u> Zip: <u>92024</u> Phone: <u>(760) 634-5153</u> Email: <u>fdurazo@nulinetech.net</u>	CONSTRUCTOR	1000003808	#997520	SEWER MAIN REHABILITATION, CLEANING & CCTV INSPECTION, SLC'S
Name: <u>AMERICAN ASPHALT SOUTH, INC.</u> Address: <u>14436 Santa Ana Avenue</u> City: <u>Fontana</u> State: <u>CA</u> Zip: <u>92337</u> Phone: <u>(909) 427-8276</u> Email: <u>lyle@americanasphaltsouth.com</u>	CONSTRUCTOR	1000000645	#784969	RPMS SLURRY SEALING

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

# City of San Diego

CITY CONTACT: Angelica Gil, Contract Specialist, Email: [AngelicaG@sandiego.gov](mailto:AngelicaG@sandiego.gov)

Phone No. (619) 533-3622

---

## ADDENDUM A



## FOR

## PIPELINE REHABILITATION AO-1

BID NO.:	<u>K-19-1719-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>B-16161</u>
CLIENT DEPARTMENT:	<u>2011</u>
COUNCIL DISTRICT:	<u>6</u>
PROJECT TYPE:	<u>JA</u>

---

### **BID DUE DATE:**

**2:00 PM**

**AUGUST 22, 2018**

**CITY OF SAN DIEGO**

**PUBLIC WORKS CONTRACTS**

**525 B STREET, SUITE 750, MS 908A**

**SAN DIEGO, CA 92101**

**A. CHANGES TO CONTRACT DOCUMENTS**

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

**B. BIDDER'S QUESTIONS**

Q1: Bid Item 55 Rehab Existing Manhole with Point Repair: What does the Point Repair entail? Is this a digging item? Or is the intent to rechannel the flow? Pay description is Manhole rehab.

A1: Manholes with potentially moderate to severe corrosion shall be repaired prior to rehabilitation. Repair does not include rechanneling of flow or altering of depth/invert elevation.

Q2: Bid item 16 & 17- Where is the Slurry Seal to be placed? No locations are specified on the plans, and pricing is way different if these items are in 1 location or 20 locations.

A2: The contractor shall restore and slurry seal the affected area of the Right-of-Way where point repairs to the sewer main are required as shown in Appendix J of the advertised documents.

Q3: Bid item 20 Cold Mill- Where is this located? Asphalt Concrete Overlay (bid item 19) is called out Map 31, and is approximately 2800 sf. There is nothing called out for 10,280 sf.

A3. Please bid as is.

James Nagelvoort, Director  
Public Works Department

Dated: August 14, 2018  
San Diego, California

JN / AJ / br

Line Totals (Unit)								
Item Num	Section	Item Code	Description	Reference	Unit of Measure	Quantity	Pipeline Incorporated - Unit Price	Burtech Pipeline Incorporated - Line Total
1	Main Bid	524126	Bonds (Payment and Performance)	2-4.1	LS	1	\$25,000.00	\$25,000.00
2	Main Bid	237110	Sewage Bypass and Pumping Plan (Diversion Plan)	7-8.5.4	LS	1	\$15,000.00	\$15,000.00
3	Main Bid	541330	WPCP Development	7-8.6.4.2	LS	1	\$700.00	\$700.00
4	Main Bid	237990	WPCP Implementation	7-8.6.4.2	LS	1	\$5,000.00	\$5,000.00
5	Main Bid	238990	Video Recording of Existing Conditions	7-9.1.1	LS	1	\$2,500.00	\$2,500.00
6	Main Bid	238990	Remove and Relocate Existing Sign and Post	9-3.1	EA	5	\$260.00	\$1,300.00
7	Main Bid	237110	Mobilization	9-3.4.1	LS	1	\$25,000.00	\$25,000.00
8	Main Bid		Field Orders (EOC Type II)	9-3.5	AL	1	\$97,364.00	\$97,364.00
9	Main Bid	237310	Additional Pavement Removal and Disposal	300-1.4	CY	200	\$1.00	\$200.00
10	Main Bid	237310	Adjust Existing Manhole Frame and Cover to Grade	301-1.7	EA	5	\$700.00	\$3,500.00
11	Main Bid	237310	Adjust Survey Monument to Grade	301-1.8.1	EA	2	\$700.00	\$1,400.00
12	Main Bid	237310	Asphalt Pavement Repair	302-3.2	TON	75	\$491.00	\$36,825.00
13	Main Bid	237310	Miscellaneous Asphalt Patching	302-3.2	TON	75	\$357.50	\$26,812.50
14	Main Bid	237310	Subgrade Imported Backfill	302-3.2	TON	100	\$1.00	\$100.00
15	Main Bid	238910	Concrete Pavement (10.5 Inch thick)	302-6.8	CY	10	\$1,400.00	\$14,000.00
16	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type I	302-4.12.4	SF	30000	\$1.01	\$30,300.00
17	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type II	302-4.12.4	SF	30000	\$1.03	\$30,900.00
18	Main Bid	237310	Pavement Restoration Adjacent to Trench	302-5.2.1	SF	270	\$1.00	\$270.00
19	Main Bid	237310	Asphalt Concrete Overlay	302-5.9	TON	92	\$178.25	\$16,399.00
20	Main Bid	237310	Cold Mill AC Pavement (0 inch - 1 1/2 inch)	302-1.12	SF	10280	\$0.92	\$9,457.60
21	Main Bid	237310	Curb Ramp (Type A) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	3	\$4,150.00	\$12,450.00
22	Main Bid	237310	Curb Ramp (Type C1) with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	6	\$4,300.00	\$25,800.00
23	Main Bid	237310	Curb Ramp Modified (Case B) , Per SDG 138 with Stainless Steel Detectable Warning Tiles	303-5.10.2	EA	1	\$4,550.00	\$4,550.00
24	Main Bid	237310	Additional Curb and Gutter Removal and Replacement	303-5.9	LF	275	\$65.00	\$17,875.00
25	Main Bid	237310	Additional Sidewalk Removal and Replacement	303-5.9	SF	195	\$25.00	\$4,875.00
26	Main Bid	237310	Cross Gutter	303-5.9	SF	500	\$20.00	\$10,000.00
27	Main Bid	238990	Chain Link Fence Removal and Replacement	304-3.4	LF	50	\$10.00	\$500.00
28	Main Bid	237110	Sewer Main (8-Inch)	306-15.1	EA	267	\$150.00	\$40,050.00
29	Main Bid	237310	Temporary Resurfacing	306-15.9	TON	180	\$100.00	\$18,000.00
30	Main Bid	237110	Imported Backfill For Trench	306-15.12	TON	325	\$10.00	\$3,250.00
31	Main Bid	237110	Manholes	306-16.6	EA	7	\$13,000.00	\$91,000.00
32	Main Bid	237110	Sewer Lateral and Cleanout (4 Inch)	306-17.2	EA	15	\$2,800.00	\$42,000.00
33	Main Bid	237110	Sewer Lateral and Cleanout (6 Inch)	306-17.2	EA	9	\$3,500.00	\$31,500.00
34	Main Bid	237110	Sewer Lateral and Cleanout (8 Inch)	306-17.2	EA	1	\$5,600.00	\$5,600.00
35	Main Bid	237110	Sewer Main Cleanout (8-inch)	306-17.2	EA	26	\$5,500.00	\$143,000.00
36	Main Bid	237110	Sewer Lateral Connections	306-17.2	EA	3	\$400.00	\$1,200.00
37	Main Bid	237110	Cleaning and Video Inspection of Existing Pipelines and Culverts	306-18.7	LF	42800	\$1.00	\$42,800.00
38	Main Bid	237110	Cleaning and Video Inspection of Existing Laterals	306-18.7	EA	387	\$25.00	\$9,675.00
39	Main Bid	237110	Video Inspection of Pipelines and Culverts for Acceptance	306-18.7	LF	42800	\$0.80	\$34,240.00
40	Main Bid	237110	Additional Bedding	306-15.1	CY	8	\$1.00	\$8.00
41	Main Bid	237310	Painted Traffic Stripes and Painted Curb Markings	314-4.3.7	LF	1000	\$3.22	\$3,220.00
42	Main Bid	237310	Thermoplastic Traffic Striping	314-4.4.6	LF	1000	\$3.28	\$3,280.00
43	Main Bid	237310	Continental Crosswalks	314-4.4.6	SF	4725	\$3.16	\$14,931.00
44	Main Bid	237110	Rehabilitate Sewer Main (8 Inch)	500-1.1.9	LF	29662	\$22.00	\$652,564.00
45	Main Bid	237110	Rehabilitate Sewer Main (10 Inch)	500-1.1.9	LF	10464	\$23.00	\$240,672.00
46	Main Bid	237110	Rehabilitate Sewer Main (12 Inch)	500-1.1.9	LF	2674	\$27.00	\$72,198.00
47	Main Bid	237110	Point Repair for Existing Sewer Main (8 Inch)	500-1.2.7	EA	9	\$5,000.00	\$45,000.00
48	Main Bid	237110	Point Repair for Existing Sewer Main (10 Inch)	500-1.2.7	EA	3	\$6,000.00	\$18,000.00
49	Main Bid	237110	Additional Point Repair for Existing Sewer Main (8 Inch)	500-1.2.7	LF	15	\$150.00	\$2,250.00
50	Main Bid	237110	Additional Point Repair for Existing Sewer Main (10 Inch)	500-1.2.7	LF	10	\$200.00	\$2,000.00
51	Main Bid	237110	Additional Point Repair for Existing Sewer Main (12 Inch)	500-1.2.7	LF	10	\$1.00	\$10.00
52	Main Bid	237110	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth	500-1.6.6	EA	267	\$1,850.00	\$493,950.00
53	Main Bid	237110	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth	500-1.6.6	EA	120	\$1,900.00	\$228,000.00
54	Main Bid	237110	Rehabilitate Existing Manhole	500-2.10.2	EA	7	\$2,415.00	\$16,905.00
55	Main Bid	237110	Rehabilitate Existing Manhole with Point Repair	500-2.10.2	EA	22	\$2,415.00	\$53,130.00
56	Main Bid	237110	Service Lateral Connection (4-inch)	500-4.9	EA	317	\$725.00	\$229,825.00
57	Main Bid	237110	Service Lateral Connection (6-inch)	500-4.9	EA	91	\$750.00	\$68,250.00
58	Main Bid	237110	Service Lateral Connection (8-inch)	500-4.9	EA	5	\$1,800.00	\$9,000.00
59	Main Bid	237310	Traffic Control	601-6	LS	1	\$34,600.00	\$34,600.00
60	Main Bid	541330	Traffic Control Design (Working Drawings)	601-6	LS	1	\$3,500.00	\$3,500.00
61	Main Bid	237310	Pedestrian Barricade	701-2	EA	4	\$750.00	\$3,000.00
62	Main Bid	238990	Remove and Replace Landscaping and Irrigation	801-9	LS	1	\$100.00	\$100.00
63	Main Bid	238910	Clearing and Grubbing	802-5	LS	1	\$100.00	\$100.00
							Subtotal	\$3,074,886.10
							Total	\$3,074,886.10