

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: Ron McMinn, Contract Specialist, Email: RMcMinn@sandiego.gov

Phone No. (619) 533-4618

J.R.Banuelos/M.J.Nakasha/yjv

BIDDING DOCUMENTS



FOR

PIPELINE REHABILITATION AW-1

BID NO.: _____ **K-19-1799-DBB-3**

SAP NO. (WBS/IO/CC): _____ **B-18120**

CLIENT DEPARTMENT: _____ **2000**

COUNCIL DISTRICT: _____ **7**

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


MARCH 5, 2019

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

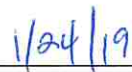
<http://www.sandiego.gov/cip/bidopps/index.shtml>

ENGINEER OF WORK

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



For City Engineer



Date

Seal:



TABLE OF CONTENTS

SECTION	PAGE
1. NOTICE INVITING BIDS	4
2. INSTRUCTIONS TO BIDDERS	6
3. PERFORMANCE AND PAYMENT BONDS	16
4. ATTACHMENTS:	
A. SCOPE OF WORK.....	19
B. PHASED FUNDING PROVISIONS	21
C. INTENTIONALLY LEFT BLANK	24
D. PREVAILING WAGES.....	25
E. SUPPLEMENTARY SPECIAL PROVISIONS.....	30
1. Appendix A – Notice of Exemption	63
2. Appendix B - Fire Hydrant Meter Program.....	66
3. Appendix C - Materials Typically Accepted by Certificate of Compliance.....	80
4. Appendix D - Sample City Invoice with Cash Flow Forecast.....	82
5. Appendix E - Location Map	85
6. Appendix F - Adjacent Projects.....	87
7. Appendix G - Hazardous Label Forms.....	90
8. Appendix H – Site Maps	96
9. Appendix I - Sewer Manholes, Mains and Laterals Rehabilitation Sample Data Templates.....	198
10. Appendix J - Sample of Public Notice	202
11. Appendix K - Advanced Metering Infrastructure (AMI) Device Protection	204
12. Appendix L – Sewer Main Spreadsheets.....	211
13. Appendix M – Sewer Lateral Spreadsheets	217
14. Appendix N - Sewer Manhole and Cleanout Spreadsheets	238
15. Appendix O – Moratorium Map	242
F. RESERVED.....	245
G. CONTRACT AGREEMENT	246
5. CERTIFICATIONS AND FORMS.....	249

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 AW-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 **\$4,040,000**.
4. **BID DUE DATE AND TIME ARE: MARCH 5, 2019, at 2:00 p.m.**
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
6. **LICENSE REQUIREMENT:** To be eligible for award of this contract, Prime contractor must possess the following licensing classification(s): **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	5.9%
2. ELBE participation	9.4%
3. Total mandatory participation	26.4%
 - 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

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, (7th Floor)
San Diego, California, 92101
Attention: Ron McMinn

OR:

RMcMinn@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.
- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening.
- 1.3. **Joint Venture Bidders Cumulative Maximum Bidding Capacity:** For projects with an engineer's estimate of \$30,000,000 or greater, Joint Ventures submitting bids may be deemed responsive and eligible for award if the cumulative maximum bidding capacity of the individual Joint Venture entities is equal to or greater than the total amount proposed.
 - 1.3.1. Each of the entities of the Joint Venture must have been previously prequalified at a minimum of \$15,000,000.
 - 1.3.2. Bids submitted with a total amount proposed of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification. To be eligible for award in this scenario, the Joint Venture itself or at least one of the Joint Venture entities must have been prequalified for the total amount proposed.
 - 1.3.3. Bids submitted by Joint Ventures with a total amount proposed of \$30,000,000 or greater on a project with an engineer's estimate of less than \$30,000,000 are not eligible for Cumulative Maximum Bidding Capacity prequalification.
 - 1.3.4. The Joint Venture designated as the Apparent Low Bidder shall provide evidence of its corporate existence and furnish good and approved bonds in the name of the Joint Venture within 14 Calendar Days of receipt by the Bidder of a form of contract for execution.
- 1.4. Complete information and links to the on-line prequalification application are available at:

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

- 2. ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS:** Bids will be received in electronic format (eBids) EXCLUSIVELY at the City of San Diego’s electronic bidding (eBidding) site, at: <http://www.sandiego.gov/cip/bidopps/index.shtml> and are due by the date, and time shown on the cover of this solicitation.
- 2.1. BIDDERS MUST BE PRE-REGISTERED** with the City’s bidding system and possess a system-assigned Digital ID in order to submit 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 14 Calendar Days after receiving the Contract forms.

7. INSURANCE REQUIREMENTS:

7.1. 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.

7.2. 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.

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

Title	Edition	Document Number
Standard Specifications for Public Works Construction ("The GREENBOOK") http://www.greenbookspecs.org/	2015	PWPI070116-01
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")* https://www.sandiego.gov/publicworks/edocref/greenbook	2015	PWPI070116-02
City of San Diego Standard Drawings* https://www.sandiego.gov/publicworks/edocref/standarddraw	2016	PWPI070116-03
Citywide Computer Aided Design and Drafting (CADD) Standards https://www.sandiego.gov/publicworks/edocref/drawings	2016	PWPI092816-04
California Department of Transportation (CALTRANS) Standard Specifications –	2015	PWPI092816-05

Title	Edition	Document Number
http://www.dot.ca.gov/des/oe/construction-contract-standards.html		
CALTRANS Standard Plans http://www.dot.ca.gov/des/oe/construction-contract-standards.html	2015	PWPIO92816-06
California Manual on Uniform Traffic Control Devices Revision 1 (CA MUTCD Rev 1) - http://www.dot.ca.gov/trafficops/camutcd/	2014	PWPIO92816-07
NOTE: *Available online under Engineering Documents and References at: http://www.sandiego.gov/publicworks/edocref/index.shtml		

9. **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.
10. **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.
11. **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.
12. **SUBCONTRACTOR INFORMATION:**
- 12.1. **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.

12.2. 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.

12.3. 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.

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

14. AWARD:

14.1. The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.

- 14.2.** 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.
- 14.3.** 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.
- 15. 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.
- 16. 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.
- 17. 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.
- 18. 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.
- 19. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:**
- 19.1.** 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.
- 19.2.** 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.

- 19.3. 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.
- 19.4. 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.
- 19.5. 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**.

20. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 20.1. This contract may be awarded to the lowest responsible and reliable Bidder.
- 20.2. Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.
- 20.3. 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.
- 20.4. 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.
- 20.5. 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.
- 20.6. 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.
- 20.7. 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.
- 20.8. 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.

21. BID RESULTS:

- 21.1.** 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.
- 21.2.** 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.

22. THE CONTRACT:

- 22.1.** 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.
- 22.2.** 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.
- 22.3.** 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.
- 22.4.** 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.
- 22.5.** 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.

23. 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.

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

24.1. The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.

24.2. The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.

24.3. The City of San Diego Municipal Code §22.3004 for Contractor Standards.

24.4. The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.

24.5. 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.

24.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).

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

25. PRE-AWARD ACTIVITIES:

25.1. 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**.

25.2. 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 Two Hundred Fifty Two Thousand Six Hundred Twenty Two Dollars and Twenty Cents (\$3,252,622.20)** for the faithful performance of the annexed contract, and in the sum of **Three Million Two Hundred Fifty Two Thousand Six Hundred Twenty Two Dollars and Twenty Cents (\$3,252,622.20)** 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.

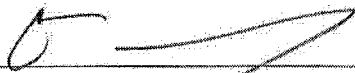
PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND (continued)

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

Dated MARCH 25, 2019

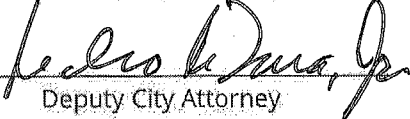
Approved as to Form

BURTECH PIPELINE, INCORPORATED
Principal

By 

DOMINIC J. BURTECH, JR., PRESIDENT
Printed Name of Person Signing for Principal


Mara W. Elliott, City Attorney

By 
Deputy City Attorney

NORTH AMERICAN
SPECIALTY INSURANCE COMPANY
Surety

By 
MARK D. IATAROLA, Attorney-in-fact

Approved:

By 
Stephen Samara
Principal Contract Specialist
Public Works Contracts

6 HUTTON CENTRE DRIVE, SUITE 850
Local Address of Surety

SANTA ANA, CA 92707
Local Address (City, State) of Surety

714/513-6839
Local Telephone No. of Surety

Premium \$ 22,340.00
PREMIUM IS FOR CONTRACT TERM
AND IS SUBJECT TO ADJUSTMENT
BASED ON FINAL CONTRACT PRICE

Bond No. 2286204

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 }

Arthur P. Arquilla, Notary Public

On 3/26/19 before me, _____
(Here insert name and title of the officer)

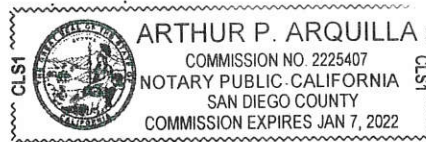
personally appeared Dominic Butech,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) 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 3/25/2019 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.



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 *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 9th of May, 2012:

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

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



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



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

IN WITNESS WHEREOF, North American Specialty Insurance Company and Washington International Insurance Company have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 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 25th day of MARCH, 2019.

[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 project will rehabilitate (using trenchless technology) approximately 36,711 linear feet (6.95 miles) of existing 8-inch diameter vitrified clay sewer mains identified as needing maintenance and rehabilitation due to age and deterioration. In addition, approximately 2601 linear feet (0.49 miles) of rehabilitated pipe will include eleven (12) point repairs coming to a total of 39,312 linear feet (7.45 miles) of rehabilitated 8-inch sewer mains. The project also includes two (2) manhole repairs, eight (8) proposed new manholes, thirty (30) new sewer main cleanouts, forty-eight (48) manhole rehabilitations and 754 lateral rehabilitations. 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.
 - 1.1. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids and **Appendix H**, Site Maps sheets 1 through 12, 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 **250 Working Days**.

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

1. PRE-AWARD

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

2. POST-AWARD

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

PHASED FUNDING SCHEDULE AGREEMENT

BID NUMBER: K-19-1799-DBB-3

CONTRACT OR TASK TITLE: Pipeline Rehabilitation AW-1

CONTRACTOR: Burtech Pipeline Inc.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Work to be completed in Phase 1 shall include, Bonds, Mobilization, videotaping of conditions , pipeline rehabilitation of .5 miles (minimum) of sewer mains	Notice to Proceed	12/31/2019	\$1,400,000.00
2	Work to be completed in Phase 2 shall include the remaining of the construction activities associated with contract and speculations.	01/01/2019	Notice of Completion	\$1,852,622.20
Contract Total				\$3,252,622.20

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: DINO CIAPRE
Construction Manager

PRINT NAME: Dominic J. Burtech

Signature: 

Title: President & CEO

Date: 3/22/19

Signature: 

PRINT NAME: Sheila Bose
Project Manager

Date: March 19, 2019

Signature: 

Date: 3/20/19

ATTACHMENT C
INTENTIONALLY LEFT BLANK

ATTACHMENT D
PREVAILING WAGE

PREVAILING WAGE

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

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

1.9. Contractor and Subcontractor Registration Requirements. This project is subject to compliance monitoring and enforcement by the DIR. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid or proposal, subject to the requirements of section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

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

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

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

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

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

- 1.12.1.** Registration. The Contractor will not be required to register with the DIR for small projects. (Labor Code section 1771.1)
- 1.12.2.** Certified Payroll Records. The records required in Labor Code section 1776 shall be required to be kept and submitted to the City of San Diego, but will not be required to be submitted online with the DIR directly. The Contractor will need to keep those records for at least three years following the completion of the Contract. (Labor Code section 1771.4).
- 1.12.3.** List of all Subcontractors. The Contractor shall not be required to hire only registered subcontractors and is exempt from submitting the list of all subcontractors that is required in section 4.20.11 above. (Labor code section 1773.3).

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

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

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

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

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

The **Normal Working Hours** are **8:30 AM** to **3:30 PM**, unless otherwise directed by SSP Section 2-14.3 coordination, item 2-C and 2-D.

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.

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 Pipeline Rehabilitation AW-1. See **Appendix F** for the approximate location. Coordinate the Work with the adjacent projects as listed below:
 - a) Golfcrest Drive (Jackson Drive to Wandermere Drive), Jie Xiao, Project Manager, (619) 533-5496
 - b) Pipeline Rehabilitation AN-1, Sabeen Cochinwala, (619) 533-4661
 - c) Mission Trails Gold Course: Point of contact for coordination, information regarding access and work schedule for the construction work is Matt Pennington, General Manager at (619) 460-5400 x 221 and email is MPennington@missiontrailsgc.com. Working hours for the work proposed by site map 12 are 9:00 PM to 5:00 AM.
 - d) Working hours for the work proposed by site maps 6 & 10 on Jackson Drive, Navajo Road and Golfcrest Drive between Navajo Road and Jackson Drive will be 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:

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

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

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

**ADD:
3-5.1**

Claims.

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

3-5.1.1 **Initiation of Claim.**

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

3-5.1.1.1 **Claim Certification Submittal.**

1. If your Claim seeks an increase in the Contract Price, the Contract Time, or both, submit with the Claim an affidavit certifying the following:
 - a) The Claim is made in good faith and covers all costs and delays to which you are entitled as a result of the event(s) giving rise to the Claim.
 - b) The amount claimed accurately reflects the adjustments in the Contract Price, the Contract Time, or both to which you believe you are entitled.
 - c) All supporting costs and pricing data are current, accurate, and complete to the best of your knowledge. The cost breakdown per item of Work shall be supplied.

- d) You shall ensure that the affidavit is executed by an official who has the authority to legally bind you.

3-5.1.2 Initial Determination.

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

3-5.1.3 Settlement Meeting.

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

3-5.1.4 City's Final Determination.

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

3-5.1.5 Mandatory Assistance.

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

3-5.1.5.1 Compensation for Mandatory Assistance.

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

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

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

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

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

ADD:

3-5.4 Pre-judgment Interest.

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

SECTION 4 - CONTROL OF MATERIALS

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

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

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

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

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

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

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

SECTION 5 – UTILITIES

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

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

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

- g) Refer to **Appendix K** 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, and 22, DELETE in its entirety and SUBSTITUTE with the following:

5. Monthly progress payments are contingent upon the submittal of an updated Schedule and cash flow forecast as discussed in item 22 of 6-1.1, "Construction Schedule" to the Engineer. The Engineer may refuse to recommend the whole or part of any monthly payment if, in the Engineer's opinion, your failure or refusal to provide the required Schedule and cash flow forecast information precludes a proper evaluation of your ability to complete the Project within the Contract Time and amount.
9. Inclusive to the Contract Time, include 15 Working Days to the Schedule for the generation of the Punchlist. You shall Work diligently to complete all Punchlist items within 30 Working Days after the Engineer provides the Punchlist.
22. Submit an updated cash flow forecast with every pay request (for each Project ID or WBS number provided in the Contract) 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.
 - a) Refer to the Sample City Invoice materials in **Appendix D – Sample City Invoice with Cash Flow Forecast** and use the format shown.
 - b) See also the "Cashflow Forecast Example" at the location below:

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

6-1.6 Excusable Delays. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. If a delay in the Work occurs and affects Work activities, delays may either be Excusable Compensable Delays or Excusable Non-Compensable Delays.

ADD:

6-1.6.1 Excusable Compensable Delays.

1. If an Excusable Delay meets the requirements of 6-6.2, “Extensions of Time”, then the City shall compensate for the following circumstances:
 - a) The City’s failure or inability to make available any portion of the entire Site in accordance with the requirements of the Schedule.
 - b) The City’s failure or inability to obtain necessary zoning changes, variances, code changes, permits or approvals from any governmental authority, or failure to obtain any street or alley vacations required for the performance of the Work, except to the extent due to your fault or neglect as determined by the Engineer.
 - c) Delays resulting from the acts or omissions of Separate Contractors, except to the extent Separate Contractors perform their work properly and in accordance with the Schedule.
 - d) Differing or concealed site conditions that could not reasonably have been anticipated at the time of Bid.
 - e) Delays resulting from the existence or discovery of hazardous materials or waste on the Site not brought in by you and not included in the Contract.
 - f) Delays resulting from any changes made to any City of San Diego Municipal Code after the date of execution of the Contract.
 - g) Delays due to the City’s acts or omissions and those within the City’s control.
 - h) Delays requested by the City.

ADD:

6-1.6.2 Excusable Non-Compensable Delays.

1. The City shall only issue an extension of time for Excusable Delays that meet the requirements of 6-6.2, “Extensions of Time” for the following circumstances:
 - a) Delays resulting from Force Majeure.
 - b) Delays caused by weather.
 - c) Delays caused by changes to County, State, or Federal law.

6-2.1

Moratoriums. To the "WHITEBOOK", ADD the following:

3. Do not work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed here:
 - a) Jackson Drive from Navajo Road to Golfcrest Drive, Moratorium end 8/13/2020;
 - b) Navajo Road from Park Ridge Drive to Jackson Drive, Moratorium end 8/11/2020;
 - c) Glenfora Avenue from Belle Glade Ave to Uttler Drive, Moratorium end 6/24/2019;
 - d) Bonnie View Drive from Belle Glade Avenue to Murray Park Drive, Moratorium end 5/28/2020;
 - e) Belle Haven Drive from Wandermere Drive to Lochmoor Drive, Moratorium end 7/8/2020;
 - f) Green Gables Avenue from Glenfora Avenue to Wandermere Drive, Moratorium end 6/24/2019;
 - g) Tuckaway Street from Belle Glade Avenue to Green Gables Avenue, Moratorium end 6/24/2019;
 - h) Temple Terrace from Belle Glade Avenue to Green Gables Avenue, Moratorium end 6/24/2019.

ADD:

6-3.2.1.1

Environmental Document.

1. The City of San Diego has prepared a **Notice of Exemption** for **Pipeline Rehabilitation AW-1**, Project No. **B-18120**, 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.

6-6.2

Extensions of Time. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The Contract Time shall not be modified except by Change Order.
2. You shall immediately submit to the City a written request for a Change Order to modify the Contract Time, but in no event later than 1 Working Day after the occurrence and discovery of the events giving rise to the request. You shall include in your request a general description of the basis for and the estimated length of any extension and submit supporting data.

3. The Engineer shall not grant an extension of Contract Time unless you demonstrate, through an analysis of the critical path, the following:
 - a) The event causing the delay impacted the activities along the Project's critical path.
 - b) The increases in the time to perform all or part of the Project beyond the Contract Time arose from unforeseeable causes beyond your control and without your fault or negligence.
4. The Engineer shall issue a weekly document that shall stipulate the Contract Time. If you do not agree with this document, submit to the Engineer for review a written protest supporting your objections to the document within 15 Days after receipt of the statement. Your failure to file a timely protest shall constitute your acceptance of the Engineer's weekly document.
 - a) Your protest will be considered a claim for time extension and shall be subject to 3-5.1, "Claims".

6-6.4 Written Notice and Report. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

Your failure to file with the Engineer a written request and report of cause within 24 hours will be considered grounds for refusal by the City to consider such request.

6-7 TIME OF COMPLETION. To the "WHITEBOOK", ADD the following:

2. You shall complete the liner installation of 39,312 linear feet (7.45 miles) of sewer mains and the lateral reinstatements as verified by the Engineer by June 30, 2020. Complete the remaining Work as part of this project, including lateral lining and post-lining CCTV video, within the remaining number of Working Days.

6-7.1 General. To the "WHITEBOOK", item 3, ADD the following:

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

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

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

SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR

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

7-3 INSURANCE.

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

7-3.1 Policies and Procedures.

1. You shall procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.
2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.
3. You shall maintain this insurance for the duration of this Contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this Contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this Contract.
4. The payment for insurance shall be included in the Contract Price as bid by you. Except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any Work under this Contract until you have provided and the City has approved all required insurance.
5. Policies of insurance shall provide that the City is entitled to 30 Days (10 Days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

7-3.2 Types of Insurance.

7-3.2.1 Commercial General Liability Insurance.

1. Commercial General Liability Insurance shall be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.
2. The policy shall cover liability arising from premises and operations, XCU (explosions, underground, and collapse), independent contractors, products/completed operations, personal injury and advertising injury, bodily injury, property damage, and liability assumed under an insured's contract (including the tort liability of another assumed in a business contract).

3. There shall be no endorsement or modification limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. You shall maintain the same or equivalent insurance for at least 10 years following completion of the Work.
4. All costs of defense shall be outside the policy limits. Policy coverage shall be in liability limits of not less than the following:

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

7-3.2.2 Commercial Automobile Liability Insurance.

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

7-3.2.3 Contractors Pollution Liability Insurance.

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

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

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

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

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

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

7-3.5 Policy Endorsements.

7-3.5.1 Commercial General Liability Insurance.

7-3.5.1.1 Additional Insured.

1. You shall provide at your expense policy endorsement written on the current version of the ISO Occurrence form CG 20 10 11 85 or an equivalent form providing coverage at least as broad.
2. To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.

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

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

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

7-3.5.2 Commercial Automobile Liability Insurance.

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

7-3.5.3 Contractors Pollution Liability Insurance Endorsements.

7-3.5.3.1 Additional Insured.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7-4.2 Workers' Compensation Insurance for Work In, Over, or Alongside Navigable Waters. In addition to the Workers' Compensation Insurance required under the General Conditions of this contract, the you shall provide additional insurance coverage for claims brought under the Longshore and Harbor Workers' Compensation Act, the Jones Act, general maritime law, and any other federal or state laws, resulting from the your Work in, over, or alongside navigable waters.

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.

ADD:

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

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

SECTION 203 – BITUMINOUS MATERIALS

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

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

ADD:

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

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

ADD:

203-5.6 Rubber Polymer Modified Slurry (RPMS).

203-5.6.1 General.

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

203-5.6.2 Materials.

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

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

- b) Quick setting Type CQS-1h Asphaltic Emulsion shall test positive for Particle Charge when tested in accordance with the applicable ASTM test designation. If the Particle Charge Test result is inconclusive, the asphaltic emulsion shall meet a pH requirement of 6.7 maximum.
 - c) Water shall be potable and of such quality that the asphalt will not separate from the emulsion before the application of slurry seal.

- d) If necessary for workability, a set-control agent that will not adversely affect the RPMS material may be added.
- e) Polymer additive shall be SBR Latex or approved equal, which is added at a minimum of 2% by weight of the asphaltic emulsion.
- f) Crumb Rubber.
 - i. Crumb rubber shall be ambient granulated or ground from whole passenger tires, truck tires, or a combination only in conformance with the requirements indicated in Tables 203-5.6.2 (A), 203-5.6.2 (B), and 203-5.6.2 (C).
 - ii. Un-curing or de-vulcanized rubber shall not be acceptable. Rubber tire buffing from either recapping or manufacturing processes may not be used as a supplement to the crumb rubber mixture.
 - iii. In order to remove steel and fabric, an initial separation stage which subjects the rubber to freezing temperatures may be used.
 - iv. The crumb rubber shall not be elongated or hair-like in shape and individual particles shall not be greater than 1/20 of an inch in length.
 - v. The crumb rubber shall be free of contaminants including fiber, metal, and mineral matter within the following tolerances: the fiber content shall be less than 0.30% by weight and the crumb rubber shall be free of metal particles. Metal imbedded in rubber particles shall not be allowed. The amount of mineral contaminants allowed shall not exceed 0.10% by weight.
 - vi. The crumb rubber shall be dry with a moisture content of less than 0.75%.

TABLE 203-5.6.2 (A)

CRUMB RUBBER CHEMICAL PROPERTIES SPECIFICATION

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

TABLE 203-5.6.2 (B)

CRUMB RUBBER GRADATION REQUIREMENTS

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

TABLE 203-5.6.2 (C)

TESTING METHODS FOR CRUMB RUBBER ANALYSIS

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

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

TABLE 203-5.6.2 (D)

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

- viii. Additives may be used to accelerate or retard the break-set of the RPMS. The use of additives shall be in quantities specified in the mix design.

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

TABLE 203-5.6.2 (E)

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

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

203-5.6.3 Composition and Grading.

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

TABLE 203-5.6.3 (A)

TYPE I SLURRY SEAL GRADATION

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

TABLE 203-5.6.3 (B)

TYPE II SLURRY SEAL GRADATION

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

TABLE 203-5.6.3 (C)

TYPE III SLURRY SEAL GRADATION

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

2. The job mix (target) gradation shall be within the gradation band for the desired type. After the target gradation has been submitted, the percent passing each sieve shall not be more than the stockpile tolerance.
3. The aggregate shall be accepted at the Site or stockpile. The stockpile shall be accepted based on 5 gradation tests according to California Test 202, modified by California Test 105 when there is a difference in specific gravity of 0.2 or more between blends of different aggregates. If the average of the 5 tests is within the gradation tolerances, then the material will be accepted. If the test shows the material to be out, you may choose to remove the material or blend other aggregates with the stockpile material to bring it into compliance with these specifications. Materials used in blending shall meet the quality test before blending and shall be blended in a manner to produce a consistent gradation.
4. When the results of either the Aggregate Grading or the Sand Equivalent test do not conform to the requirements specified, the aggregate shall be removed. However, if requested in writing and approved by the Engineer, the aggregate may be used and you shall pay to the agency \$1.75 per ton for such

aggregate left in place. No single aggregate grading or sand equivalent tests shall represent more than 300 tons or one day's production, whichever is smaller.

203-5.6.4 Mix Design.

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

TABLE 203-5.6.4

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

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

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

SECTION 217 – BEDDING AND BACKFILL MATERIALS

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

TABLE 217-2.2

Zone	Zone Limits	Maximum Size (greatest dimension)	Backfill Requirements in Addition to 217-2.1
Street or Surface Zone	From ground surface to 12" (300 mm) below pavement subgrade or ground surface	2.5" (63 mm)	As required by the Plans or Special Provisions.
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)	

Zone	Zone Limits	Maximum Size (greatest dimension)	Backfill Requirements in Addition to 217-2.1
Deep Trench Zone (Trenches 3' (0.9 m) wide or wider)	From 60" (1.5 m) below finished surface to 12" (300 mm) above top of pipe or box	Rocks up to 12" (300 mm) excavated from trench may be placed as backfill	
Pipe Zone	From 12" (300 mm) above top of pipe or box to 6" (150 mm) below bottom of pipe or box exterior	2.5" (63 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour).
Overexcavation	Backfill more than 6" (150 mm) below bottom of pipe or box exterior	6" (150 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour). Trench backfill slurry (100-E-100) per 201-1 may also be used.

SECTION 302 – ROADWAY SURFACING

ADD:

302-4.12.2.1.1 Slurry Treatment.

1. When slurry treatment is required by the Contract Documents, notify the Engineer at least 10 Working Days prior to the first application of slurry. The Engineer, upon assessment of street condition and classification, will verify the slurry type to be applied.
2. Application of sequential layers of slurry shall not commence until approved by the Engineer and until the following have been completed:
 - a) Mix design and wet track abrasion testing for the first-step slurry application has been approved by the Engineer. Unless otherwise directed by the Engineer, this testing may require 4 Working Days from field sampling to reporting of test results to the Engineer.
 - b) Corrective actions have been executed in accordance with 302-4.11.1.2, "Reduction in Payment Based on WTAT" such as reductions in payment, non-payment, or removal of material not meeting specifications, as directed by the Engineer.

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

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

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

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

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

SECTION 304 – METAL FABRICATION AND CONSTRUCTION

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

SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION

306-17.2 Payment. To the “WHITEBOOK”, items 1 through 3, DELETE in their entirety and SUBSTITUTE with the following:

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

for "Sewer Lateral and Cleanout" unless a bid item has been provided for each "Sewer Lateral Cleanout".

3. The payment for each cleanout at the end of the sewer main shall be included in the Bid item for "Sewer Main Cleanout" and shall include the removal and replacement of concrete curb and gutter, sidewalk panels, and existing surface improvements as required by the Engineer.

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

314-4.3.7 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".

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 removal and replacement of existing traffic striping, pavement markings, and pavement markers shall be included in the Bid item for "Striping".

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 Installation Procedures (ASTM F1216 and ASTM F1743). To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

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

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

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

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

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

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

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

ADD:

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

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

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

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

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

SECTION 600 - ACCESS

ADD:

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

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

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

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

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

END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SUPPLEMENTARY SPECIAL PROVISIONS
APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

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

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

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

Project Name: Pipeline Rehabilitation AW-1

Project No. / WBS No.: B-18120.02.06

Project Location-Specific: Navajo Community Planning Area (Council District 7). The project is located on the following streets bound by Navajo Road to the north, Golfcrest Drive to the east, Park Ridge Boulevard to the west and Murray Park Road to the south; Caminito Curva, Caminito Entrada, Caminito Pequena, Caminito Perico, Hyde Park Drive, Green Gables Avenue, Green Gables Court, Jackson Drive, Mira Vista Lane, Murray Park Court, Littler Drive, Bonnie View Drive, Casselberry Way, Belle Glade Avenue, Belle Glade Lane, Elmcrest Drive, Lochmoor Drive, Casper Drive, Everglades Avenue, Glenflora Avenue, Crampton Court, Wandermere Drive, Sanders Court, Sunny Brae Drive, Lema Way, Player Drive, Rock Manor Drive, Danville Street, Belle Haven Drive, Birch Creek Street, Temple Terrace Street, and Tuckaway Street.

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

Description of nature and purpose of the Project: The project will rehabilitate (using trenchless technology) approximately 36,711 linear feet (6.95 miles) of existing 8-inch diameter vitrified clay sewer mains identified as needing maintenance and rehabilitation due to age and deterioration. In addition, approximately 2601 linear feet (0.49 miles) of rehabilitated pipe will include twelve (12) point repairs coming to a total of 39,312 linear feet (7.45 miles) of rehabilitated 8-inch sewer mains. The project also includes two (2) manhole repairs, eight (8) proposed new manholes, thirty (30) new sewer main cleanouts, forty-eight (48) manhole rehabilitations and 754 lateral rehabilitations. 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.

Name of Public Agency Approving Project: City of San Diego

Name of Person or Agency Carrying Out Project: 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 Exemption: 15301(d) Existing Facilities, 15302(c) Replacement or Reconstruction
- Statutory Exemptions:

Reasons why project is exempt: The City of San Diego conducted an environmental review and determined that the project meets the categorical exemption criteria set forth in CEQA State Guidelines, Section 15301(d) Existing Facilities), which allows for the minor alteration of existing public structures, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination, and 15302(c) Replacement or Reconstruction, which allows for the replacement of existing structures where the new structure will be located

on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced; and where the exceptions listed in Section 15300.2 would not apply.

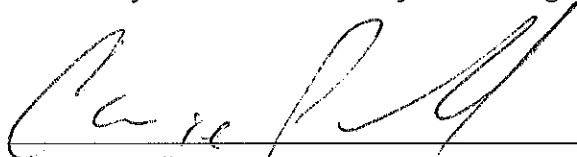
Lead Agency Contact Person: Gretchen Eichar

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 (X) No

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



Carrie Purcell, Assistant Deputy Director

11/27/18
Date

Check One:

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

Date Received for Filing with County Clerk or OPR:

APPENDIX B
FIRE HYDRANT METER PROGRAM

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

1. **PURPOSE**

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

2. **AUTHORITY**

2.1 All authorities and references shall be current versions and revisions.

2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15

2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986

2.4 California Code of Regulations, Titles 17 and 22

2.5 California State Penal Code, Section 498B.0

2.6 State of California Water Code, Section 110, 500-6, and 520-23

2.7 Water Department Director

Reference

2.8 State of California Guidance Manual for Cross Connection Programs

2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention

2.10 American Water Works Association Standards for Water Meters

2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

3. **DEFINITIONS**

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

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

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

4. **POLICY**

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

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

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

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

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

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

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

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

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

4.7 Relocation of Existing Fire Hydrant Meters

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

4.8 Disconnection of Fire Hydrant Meter

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

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

for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

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

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

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

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

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

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

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

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

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

7. **FEE AND DEPOSIT SCHEDULES**

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

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

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

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

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

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

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

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

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

Water Department Director

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

APPENDIX

Administering Division: Customer Support Division

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

Distribution: DI Manual Holders



Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

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

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

Company Information

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

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

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

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

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

Note:

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

Date

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

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

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

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

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

Sincerely,

Water Department

APPENDIX C

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

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

APPENDIX D

SAMPLE CITY INVOICE WITH CASH FLOW FORECAST

WBS #:	B18108
Date Submitted:	10/10/2018
NTP Date:	3/23/2018
Final Statement of WD Date:	5/23/2020
Contract #:	K-XX-XXXX-XXX-X
Contract Amount:	\$5,617,000

Construction Cash Flow Forecast
 "Sewer and Water Group Job 965 (W)"

Year	January	February	March	April	May	June	July	August	September	October	November	December
2018				15,000	25,000	52,000	52,000	100,000	10,000	100,000	100,000	100,000
2019	10,000	10,000	85,000	58,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	1,000,000
2020	100,000	100,000	100,000	1,000,000	1,000,000							
2021												
2022												
2023												
2024												
2025												

SAMPLE REFERENCE

APPENDIX E
LOCATION MAP

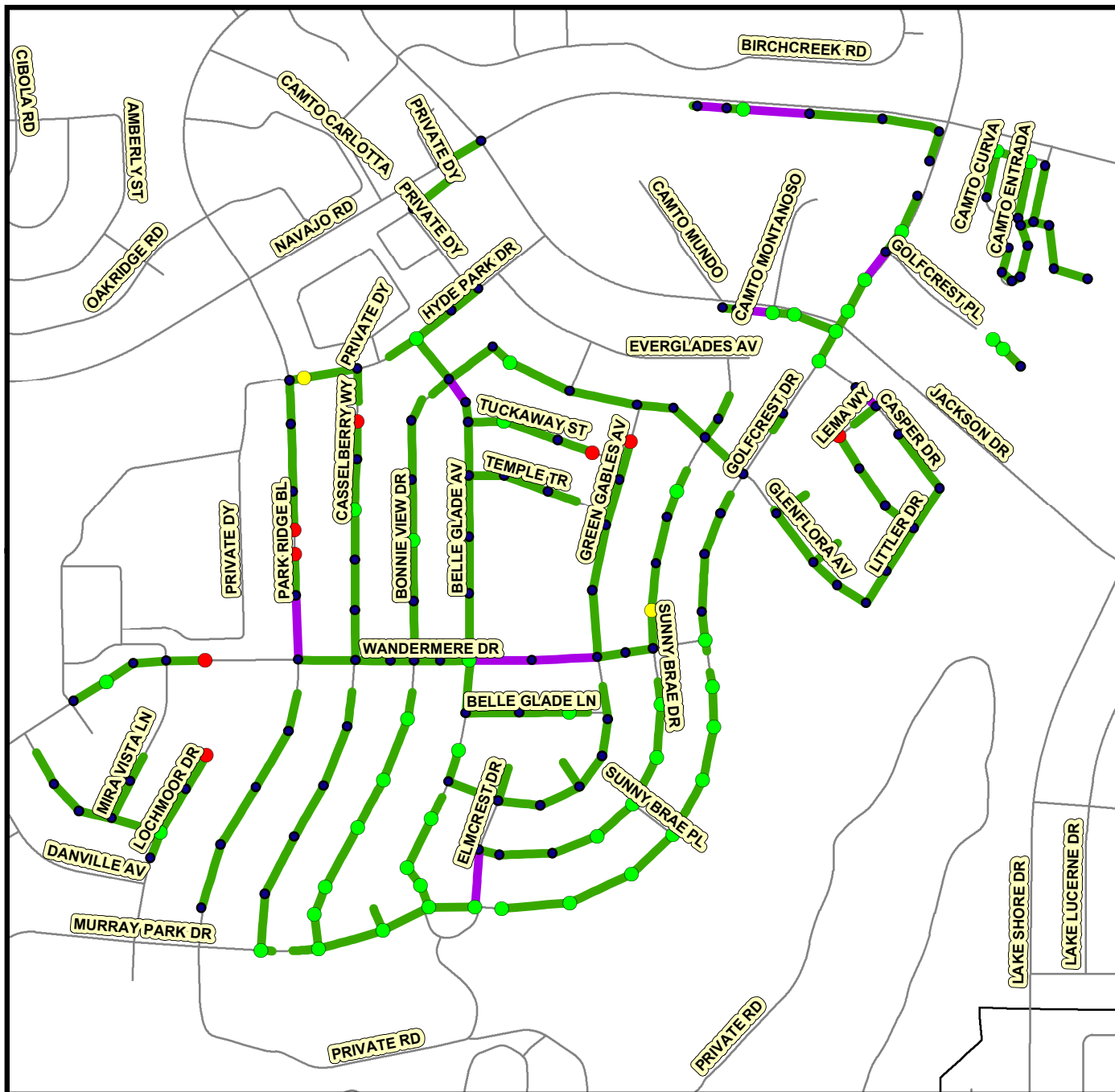
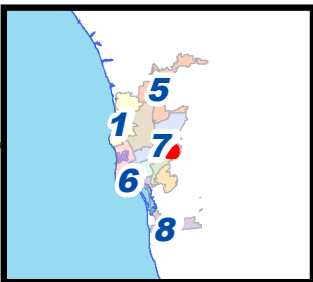
PIPELINE REHABILITATION AW-1

SENIOR ENGINEER
SHEILA BOSE
619-533-4698

PROJECT MANAGER
JAIME RAMOS
619-533-5103

PROJECT ENGINEER
JENNY JARRELL
619-533-5224

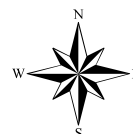
FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



Legend

- New MH
- Existing MH
- MH Rehab
- MH Rehab w/ Point Repair
- Pipeline Rehab w/ Point Repair
- Pipeline Rehab

LOCATION MAP



COMMUNITY NAME: NAVAJO

COUNCIL DISTRICT: 7

SAP ID: B-18120 (S)

Date: July 31, 2018



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

APPENDIX F
ADJACENT PROJECTS

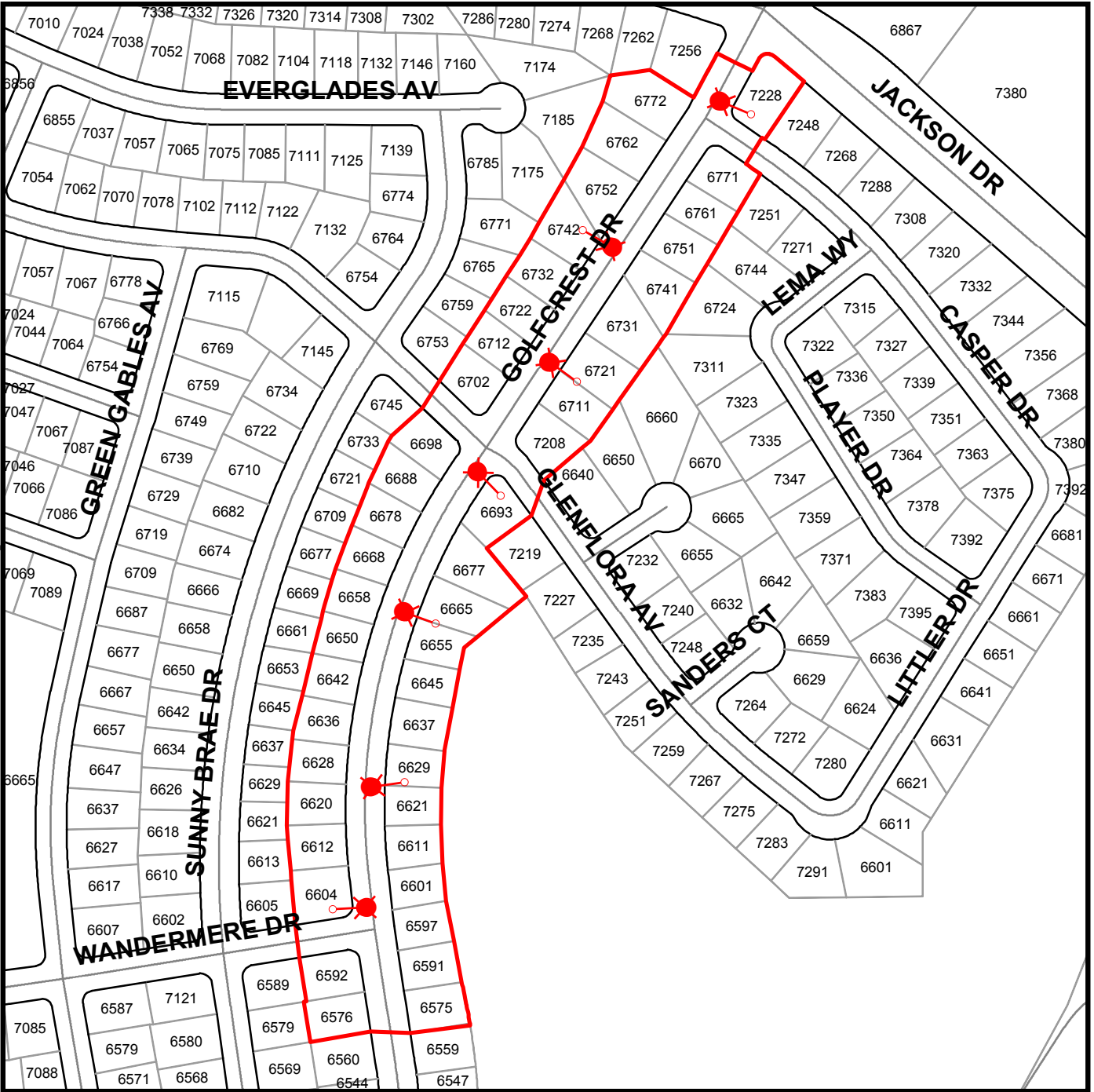
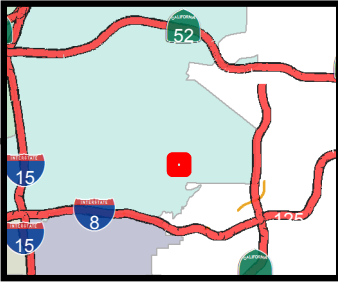
GOLFCREST DRIVE
(Jackson Drive to Wandermere Drive)

SENIOR ENGINEER
LABIB QASEM
619-533-6670

PROJECT MANAGER
JIE XIAO
619-533-5496

PROJECT ENGINEER
EPHRIAM BEKELE
619-533-4147

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



Legend



STREET LIGHTS (7)



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

APPENDIX G
HAZARDOUS LABEL/FORMS

HAZARDOUS WASTE

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

GENERATOR NAME _____
ADDRESS _____ 24 HR. PHONE () _____
CITY _____ STATE _____ ZIP _____
EPA ID NO. _____ MANIFEST DOCUMENT NO. _____
EPA WASTE NO. _____ CA WASTE NO. _____ ACCUMULATION START DATE _____ / /

CONTENTS, COMPOSITION _____
PROPER DOT SHIPPING NAME _____
TECHNICAL NAME (S) _____
UN/NA NO. WITH PREFIX _____

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

HANDLE WITH CARE!
CONTAINS HAZARDOUS OR TOXIC WASTES

INCIDENT/RELEASE ASSESSMENT FORM ¹

If you have an emergency, Call 911

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

Questions for Incident Assessment:

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

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

Call 911 in an emergency

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

If in doubt, report the release.

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

NON REPORTABLE RELEASE INCIDENT FORM

1. RELEASE AND RESPONSE DESCRIPTION

Incident # _____

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

2. ADMINISTRATIVE INFORMATION

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

3. CHEMICAL INFORMATION

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

EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM

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

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS

GENERAL INFORMATION:

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

BASIC INSTRUCTIONS:

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

SPECIFIC INSTRUCTIONS:

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

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

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

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

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

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

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

Block H: List any additional pertinent information.

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

MAIL THE COMPLETED REPORT TO:

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

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

APPENDIX H

SITE MAPS

PIPELINE REHABILITATION AW-1

WORK TO BE DONE

CONSTRUCTION OF PIPELINE REHABILITATION AW-1 CONSISTS OF TRENCHLESS REHABILITATION OF 39,312 LINEAR FEET (7.45 MILES) OF EXISTING 8-INCH DIAMETER VITRIFIED CLAY SEWER MAINS AND 12 SEGMENTS OF EXISTING 8-INCH DIAMETER VITRIFIED CLAY SEWER MAIN WILL INCLUDE POINT REPAIRS. WORK WILL INCLUDE THE INSTALLATION OF NEW SEWER MANHOLES, NEW SEWER CLEANOUTS, MANHOLE REPAIRS, REHABILITATION OF EXISTING SEWER MANHOLES, REHABILITATION OF SEWER LATERALS, AND ALL APPURTENANCES IN ACCORDANCE WITH THESE SPECIFICATIONS.

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): 0.10
 HYDROLOGIC UNIT/WATERSHED : SAN DIEGO HU / SAN DIEGO WATERSHED
 HYDROLOGIC SUBAREA NAME & NO. : MISSION SAN DIEGO : 907.11
2. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE

WPCP
 THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001AS 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

THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

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 CONTRATOR 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.

KEY MAP

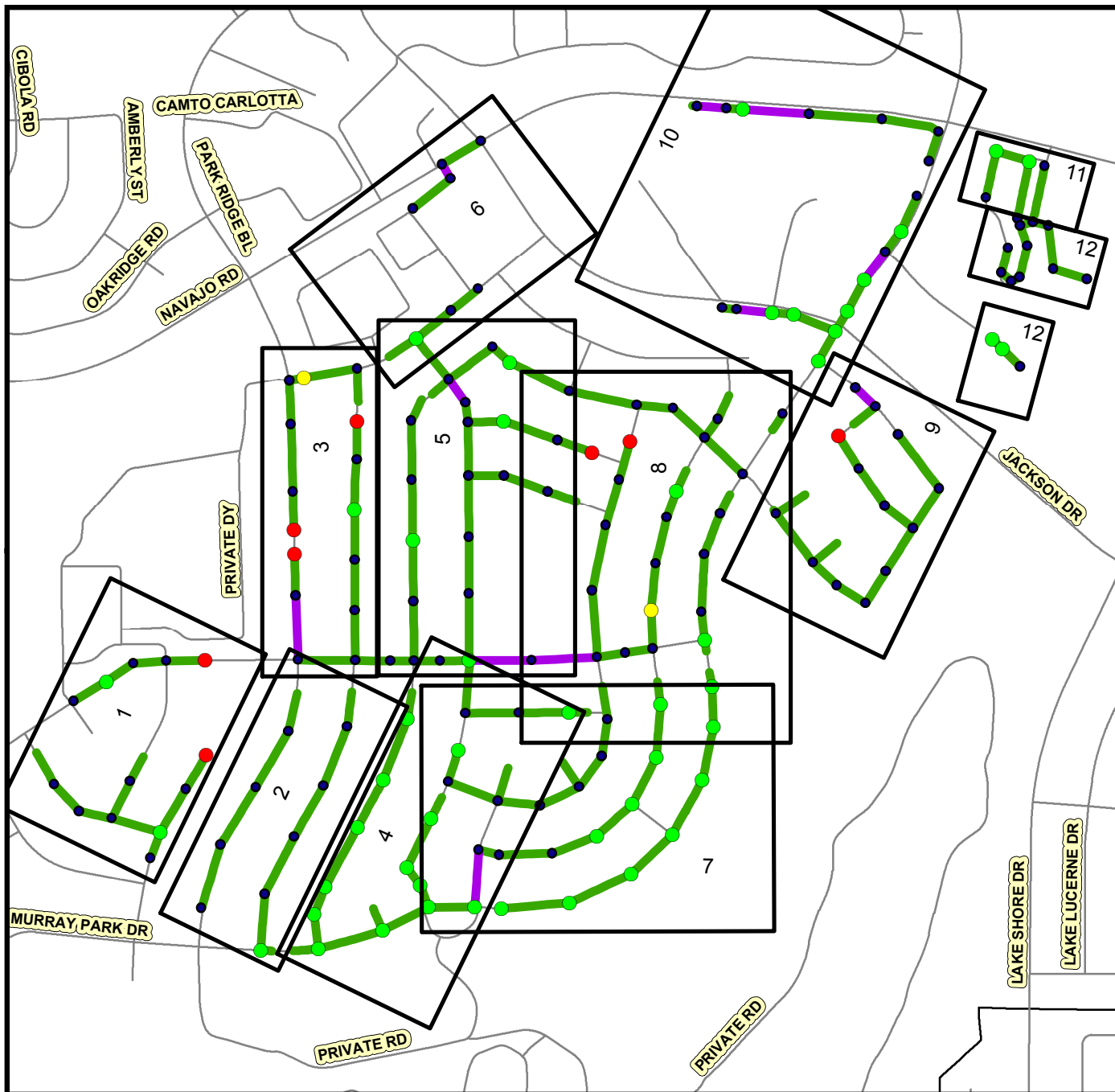
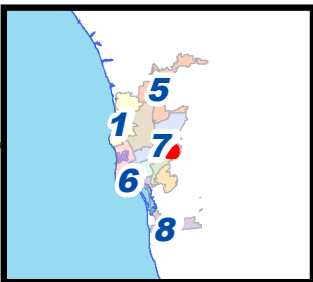
PIPELINE REHABILITATION AW-1

SENIOR ENGINEER
SHEILA BOSE
619-533-4698

PROJECT MANAGER
JAIME RAMOS
619-533-5103

PROJECT ENGINEER
DAKOTA ADELPHIA
619-533-5235

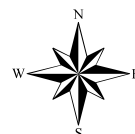
FOR QUESTIONS ABOUT THIS PROJECT
Call: 619-533-4207
Email: engineering@sandiego.gov



Legend

- New MH
- MH Rehab
- Pipeline Rehab w/ Point Repair
- Existing MH
- MH Rehab w/ Point Repair
- Pipeline Rehab

KEY MAP



COMMUNITY NAME: NAVAJO

COUNCIL DISTRICT: 7

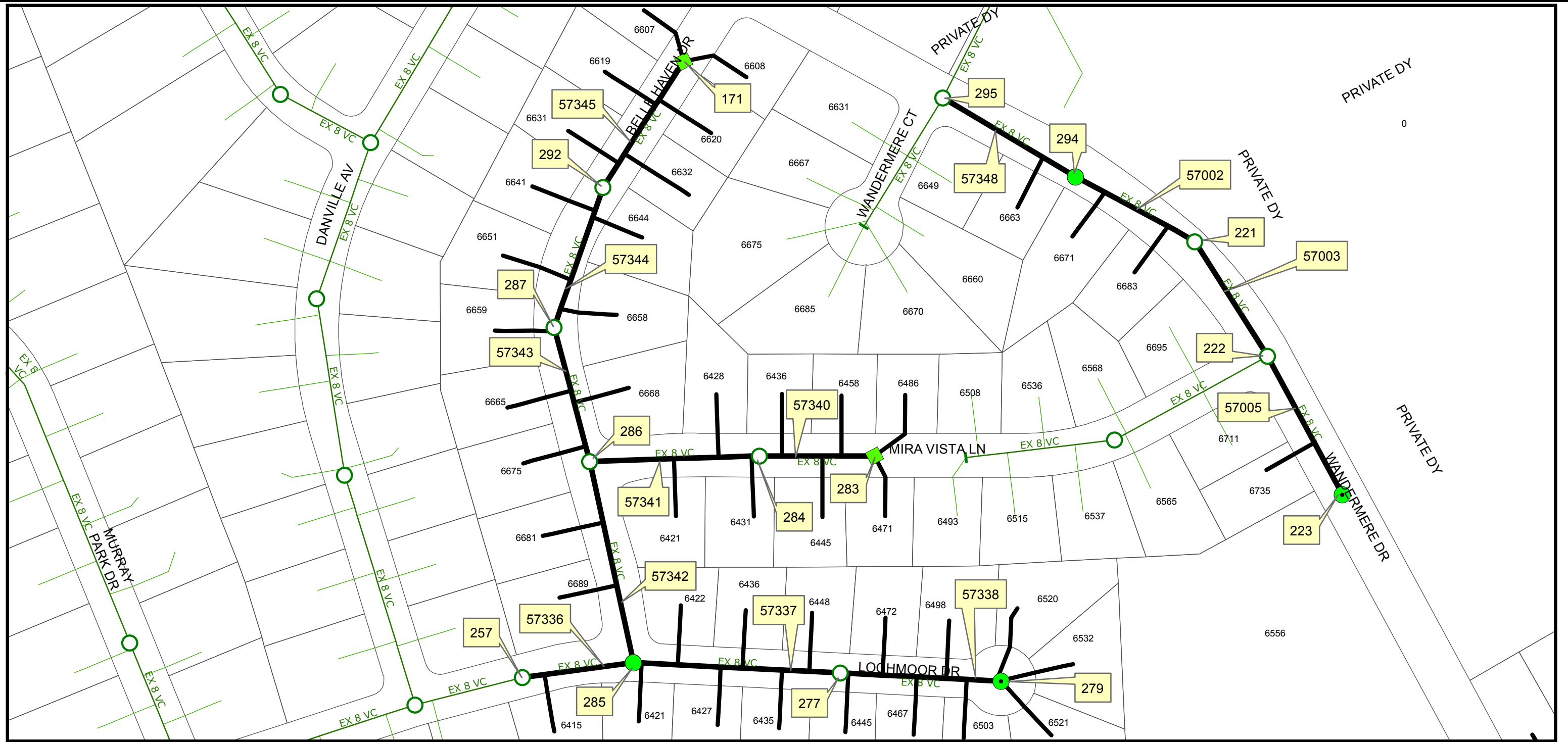
SAP ID: B-18120 (S)

Date: September 28, 2018



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

GIS SITE MAPS



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

Legend

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

123 MANHOLE ID NUMBER

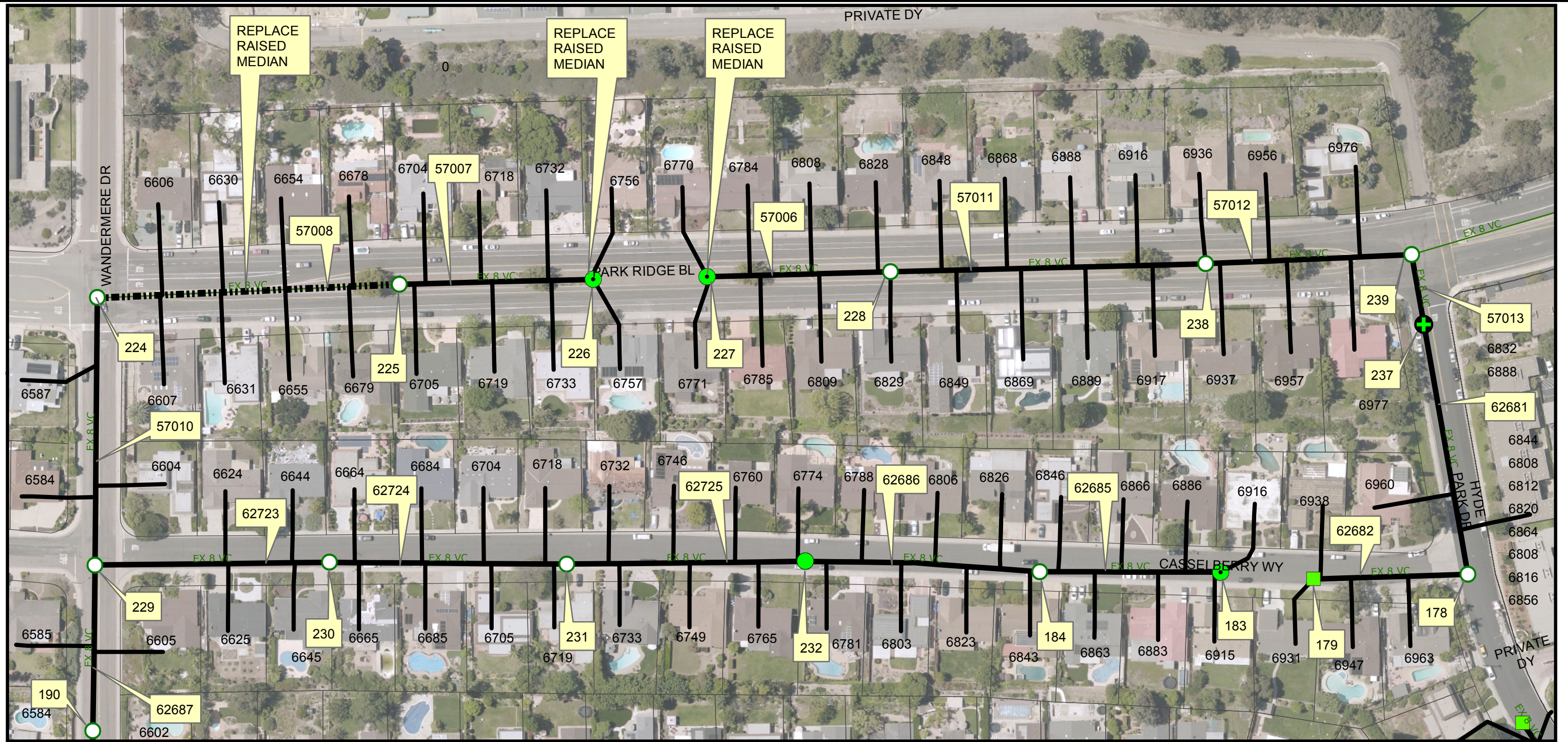
12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AW-1



WBS#
B-18120

MAP NO.
1 of 12



SEE MAP 5

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

Legend

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

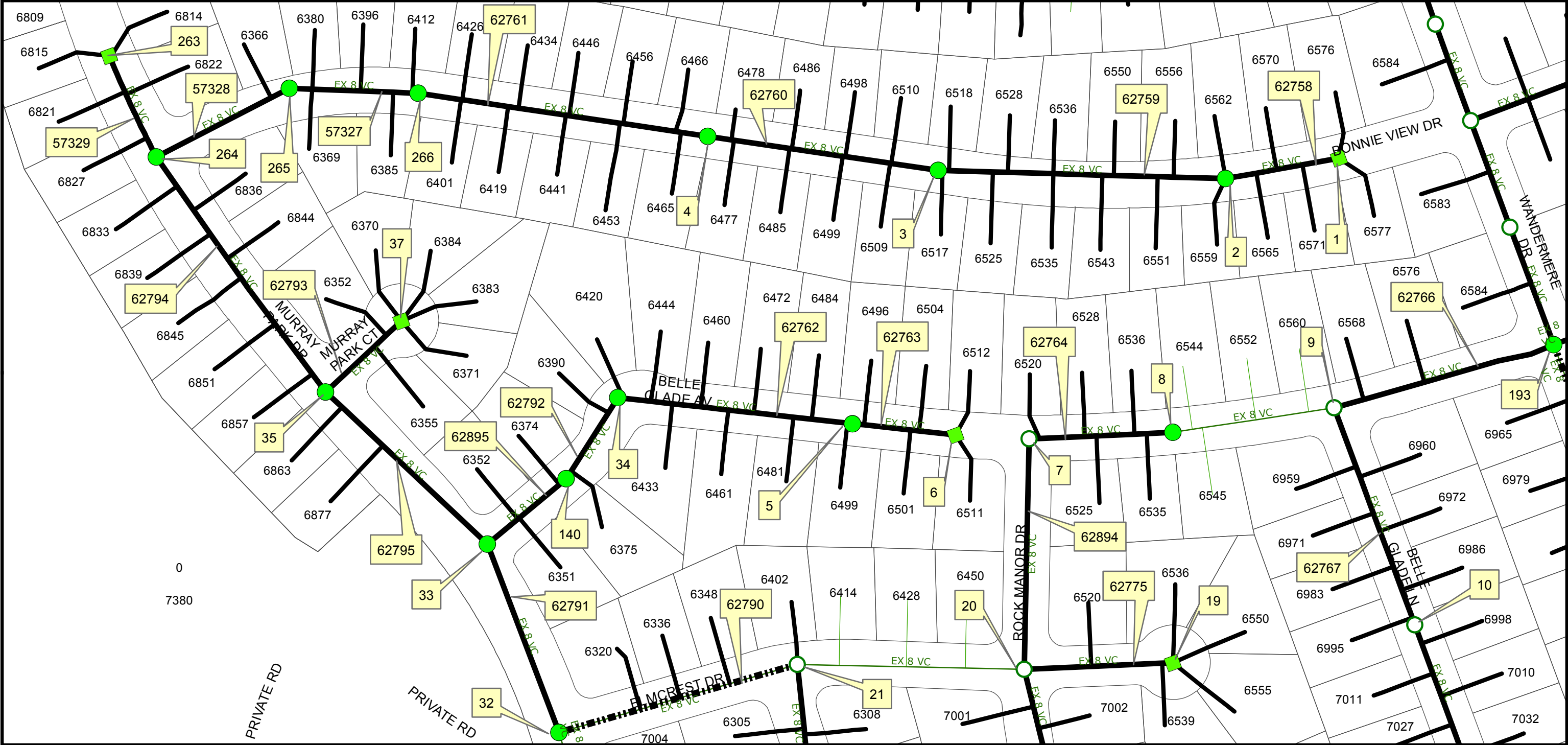
123 MANHOLE ID NUMBER
12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AW-1



WBS#
B-18120

MAP NO.
3 of 12



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

SEE MAP 7

SEE MAP 7

SEE MAP 7

Legend

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

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AW-1



WBS# B-18120

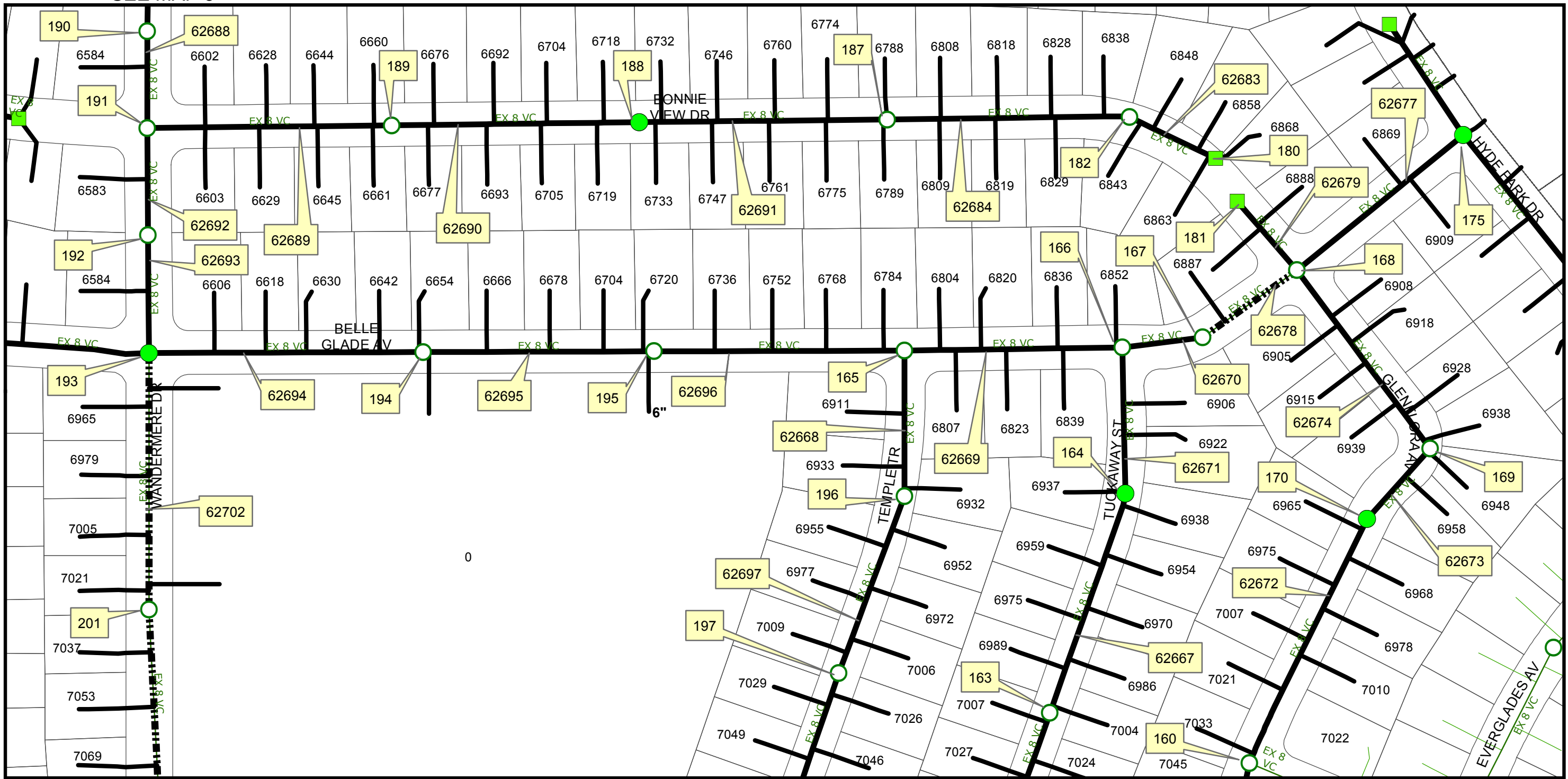
MAP NO. 4 of 12

SEE MAP 3

SEE MAP 4

SEE MAP 4

SEE MAP 6



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

SEE MAP 8

SEE MAP 8

SEE MAP 8

SEE MAP 8

Legend

— Proposed Pipeline Rehabilitation

▬ Proposed Pipeline Rehabilitation w/ Point Repair

● Proposed MH Rehabilitation

⊕ Proposed MH Rehabilitation w/ Point Repair

● Proposed New Manhole

○ Existing Manhole

Pipeline Rehabilitation AW-1 - Appendix H - Site Maps

— Proposed Lateral Rehabilitation

■ Proposed Cleanout

— Existing Plugs

— Existing Mains

— Existing Laterals

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AW-1

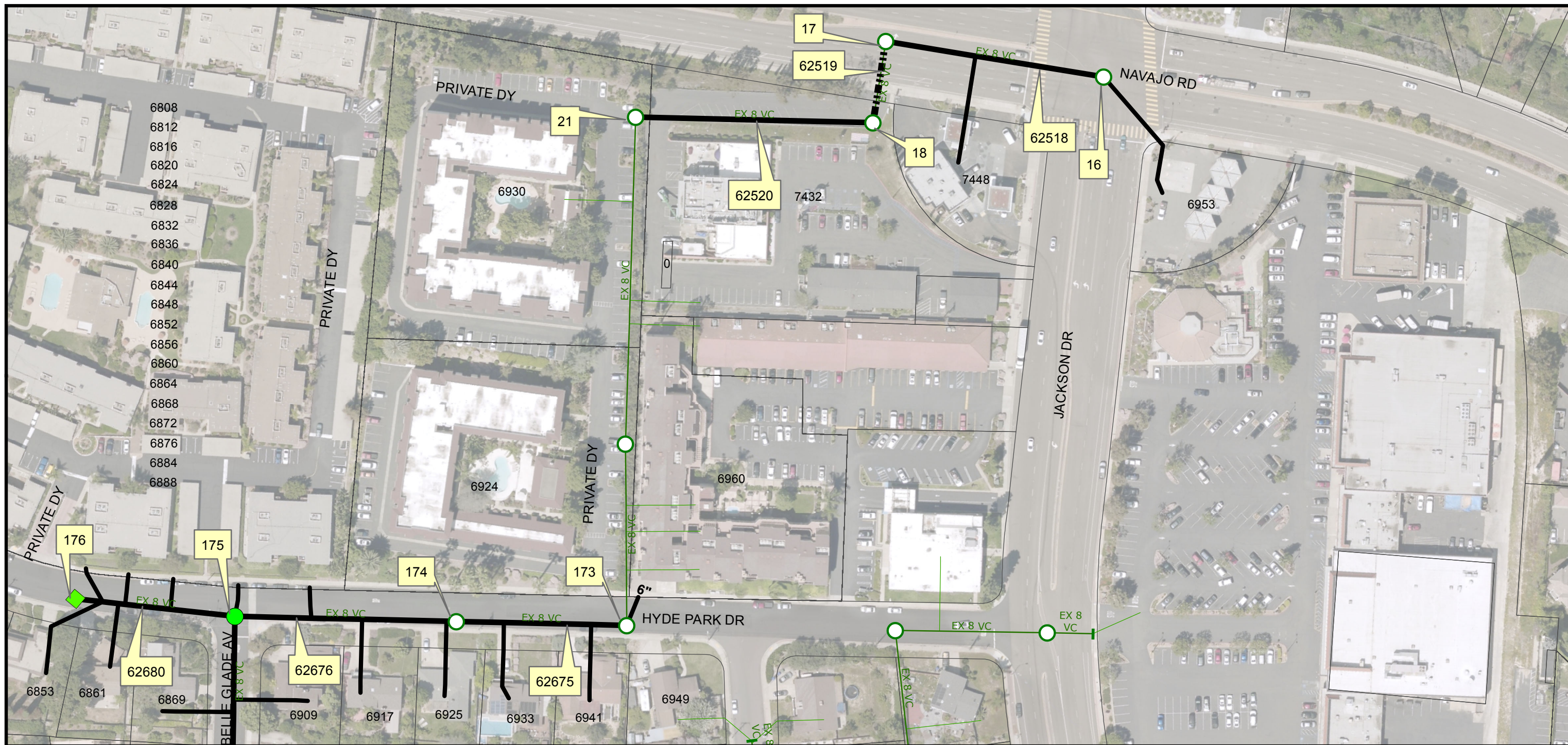


NOT TO SCALE

WBS#
B-18120

MAP NO.
5 of 12

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

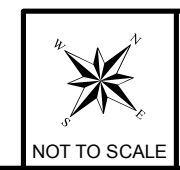


SEE MAP 5

Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed New Manhole
- Existing Manhole
- Proposed Lateral Rehabilitation
- Proposed Cleanout
- Existing Plugs
- Existing Mains
- Existing Laterals
- 123 MANHOLE ID NUMBER
- 12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AW-1



WBS#
B-18120

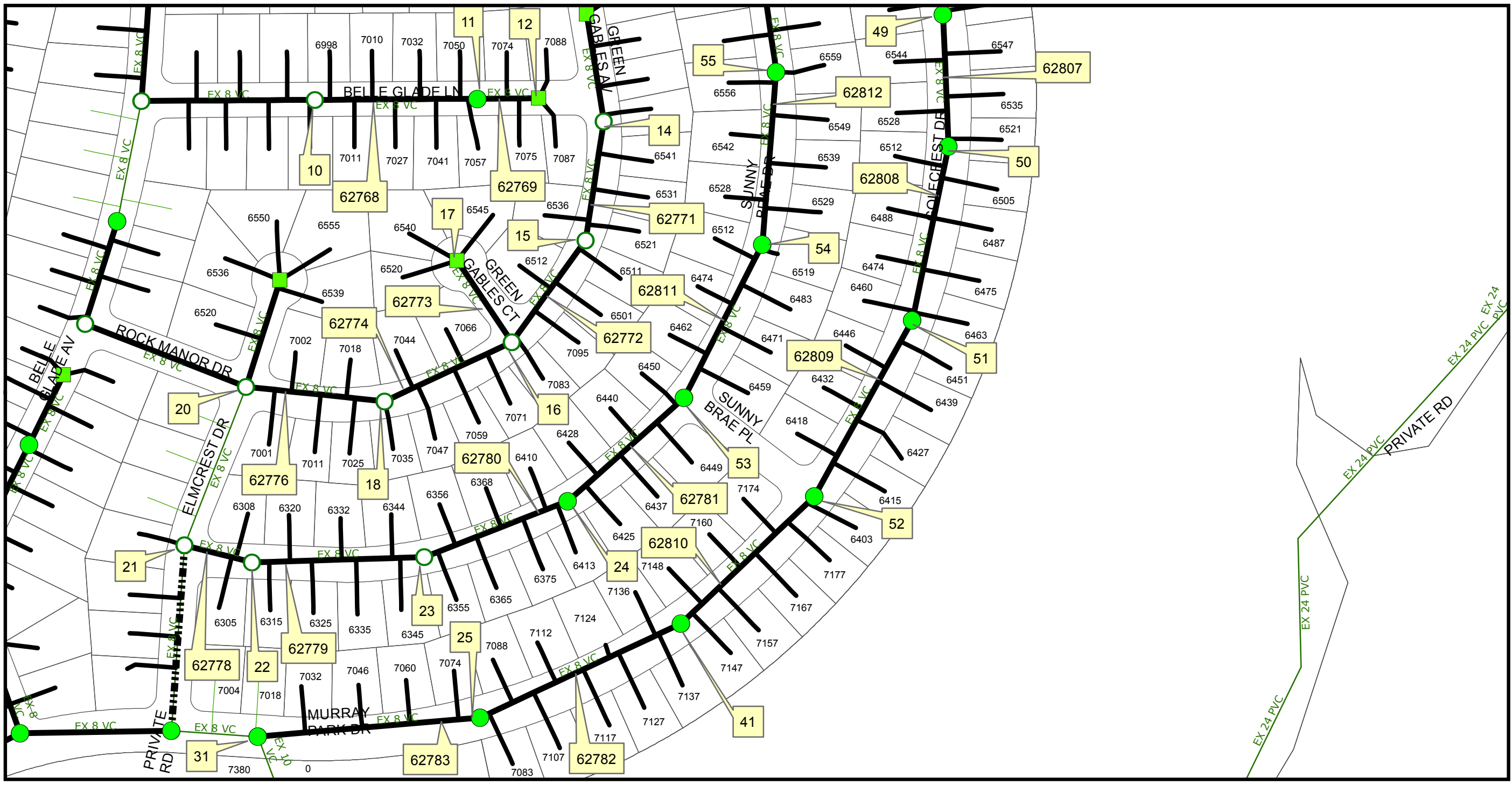
MAP NO.
6 of 12
109 | Page

SEE MAP 4

SEE MAP 8

SEE MAP 8

SEE MAP 8



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

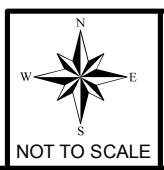
SEE MAP 4
SEE MAP 4

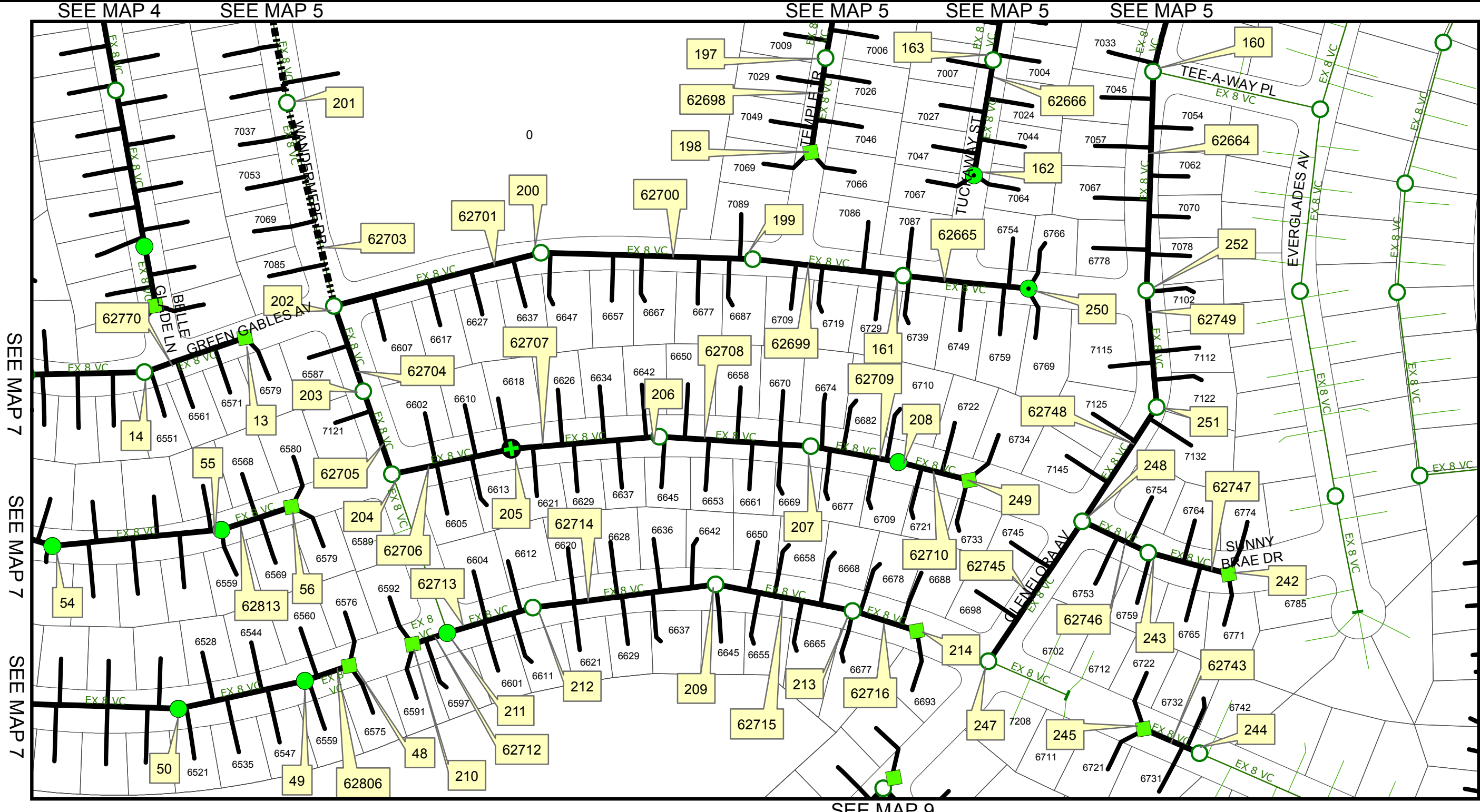
Legend

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

123 MANHOLE ID NUMBER
12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AW-1





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

Legend

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

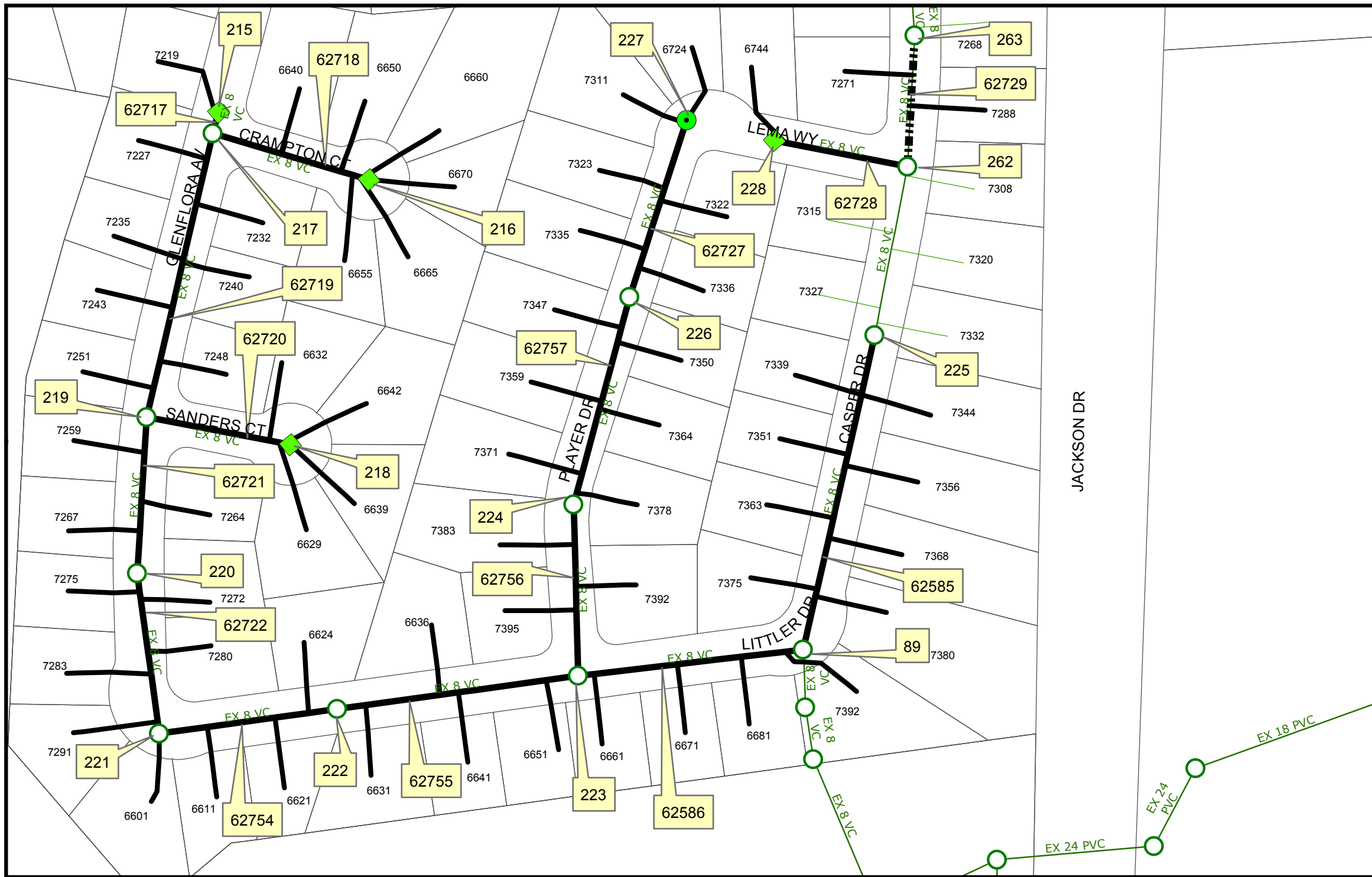
123 MANHOLE ID NUMBER
 12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AW-1



WBS#
B-18120

MAP NO.
8 of 12



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

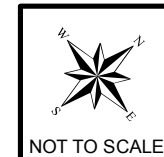
Legend

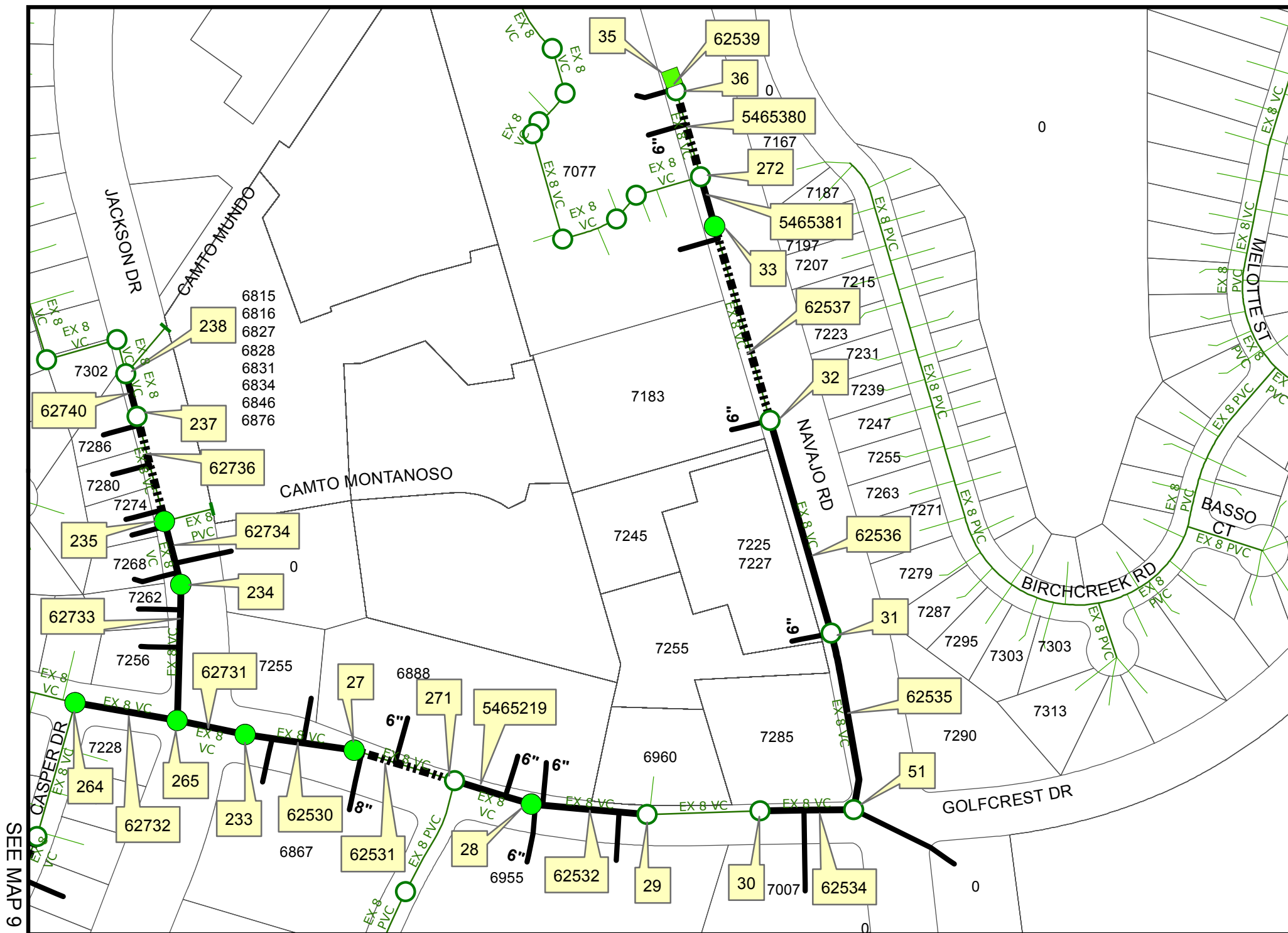
- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- + Proposed MH Rehabilitation w/ Point Repair
- Proposed New Manhole
- Existing Manhole
- Proposed Lateral Rehabilitation
- Proposed Cleanout
- Existing Plugs
- Existing Mains
- Existing Laterals

123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AW-1





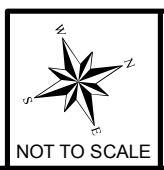
THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced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

Legend

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

123 MANHOLE ID NUMBER
12345 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AW-1



WBS#
B-18120

MAP NO.
10 of 12

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



Legend

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

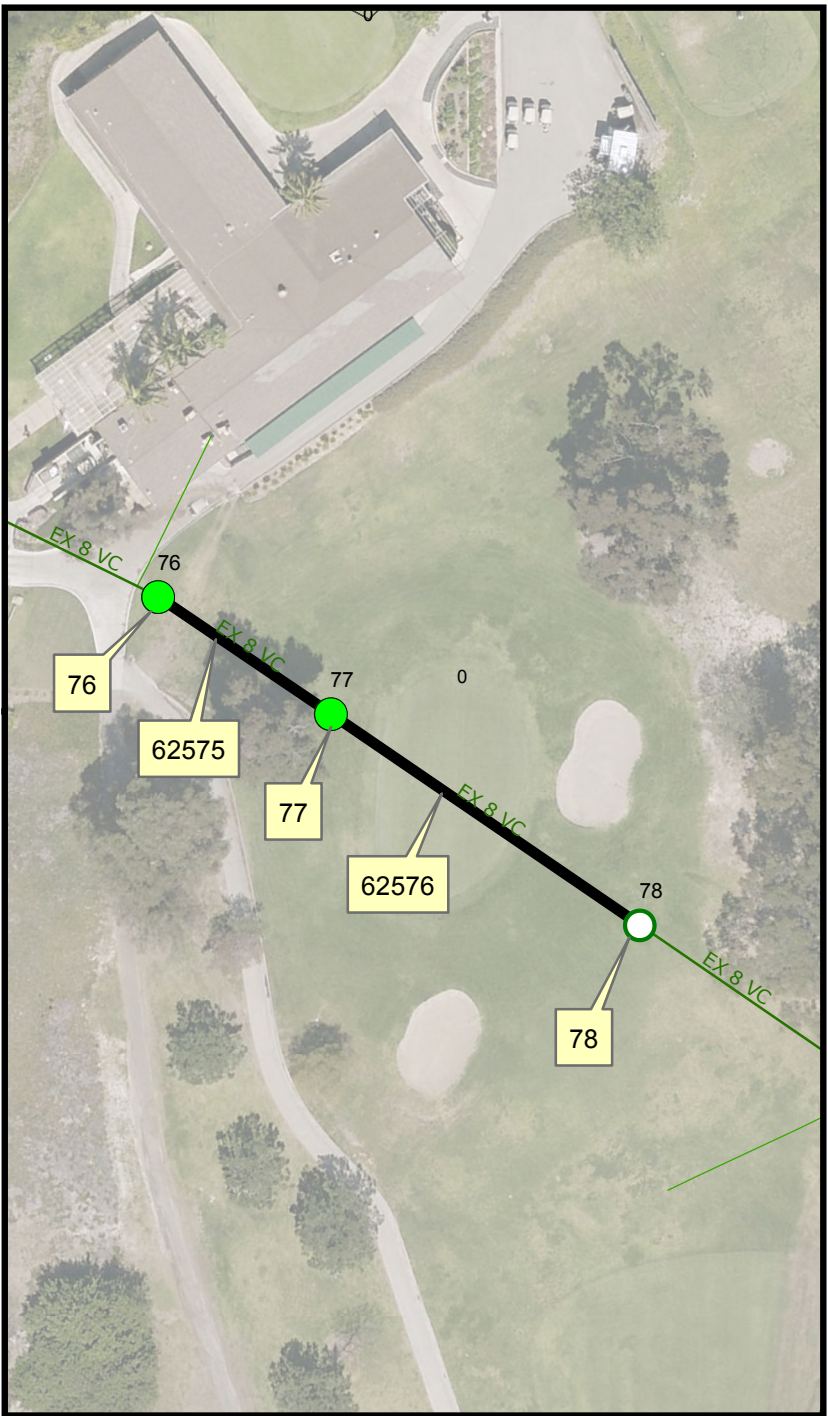
123 MANHOLE ID NUMBER

12345 FSN (Facility Sequence Number)

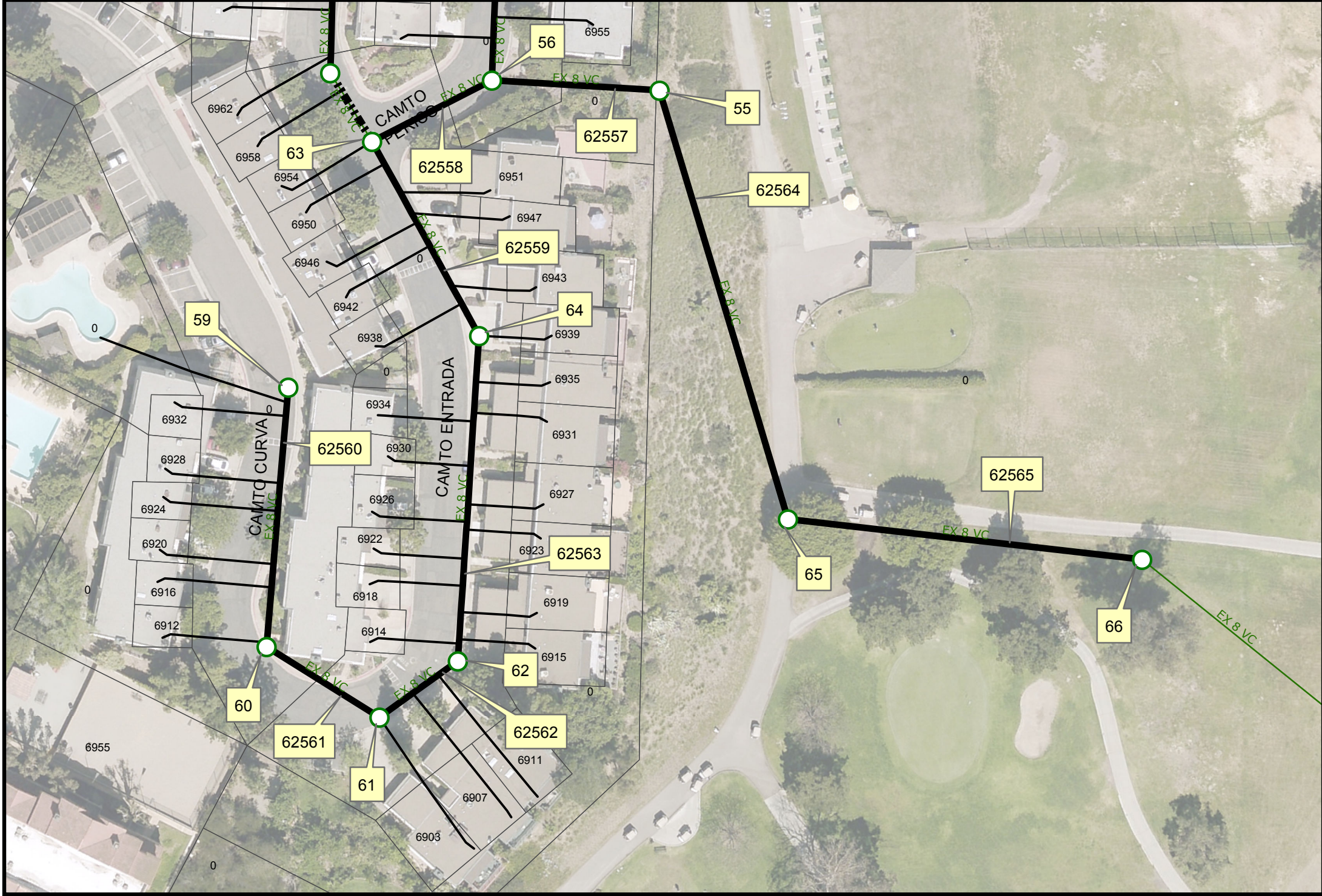
PIPELINE REHABILITATION AW-1



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



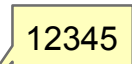
Detail "A"



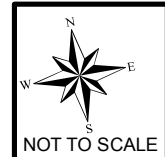
Legend

- Proposed Pipeline Rehabilitation
- Proposed Pipeline Rehabilitation w/ Point Repair
- Proposed MH Rehabilitation
- Proposed MH Rehabilitation w/ Point Repair
- Proposed New Manhole
- Existing Manhole

- Sewer Lateral Connections
- Proposed Cleanout
- Existing Plugs
- Existing Mains
- Existing Laterals

123 MANHOLE ID NUMBER
 FSN (Facility Sequence Number)

PIPELINE REHABILITATION AW-1



SURVEY MONUMENTS

NOTE TO CONTRACTOR

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

MONUMENTATION / SURVEY NOTES

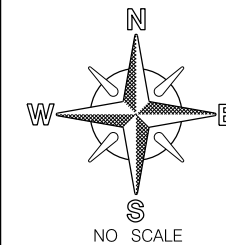
THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

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.

MAPS FOR THE CONSTRUCTION OF
PIPELINE REHABILITATION AW-1

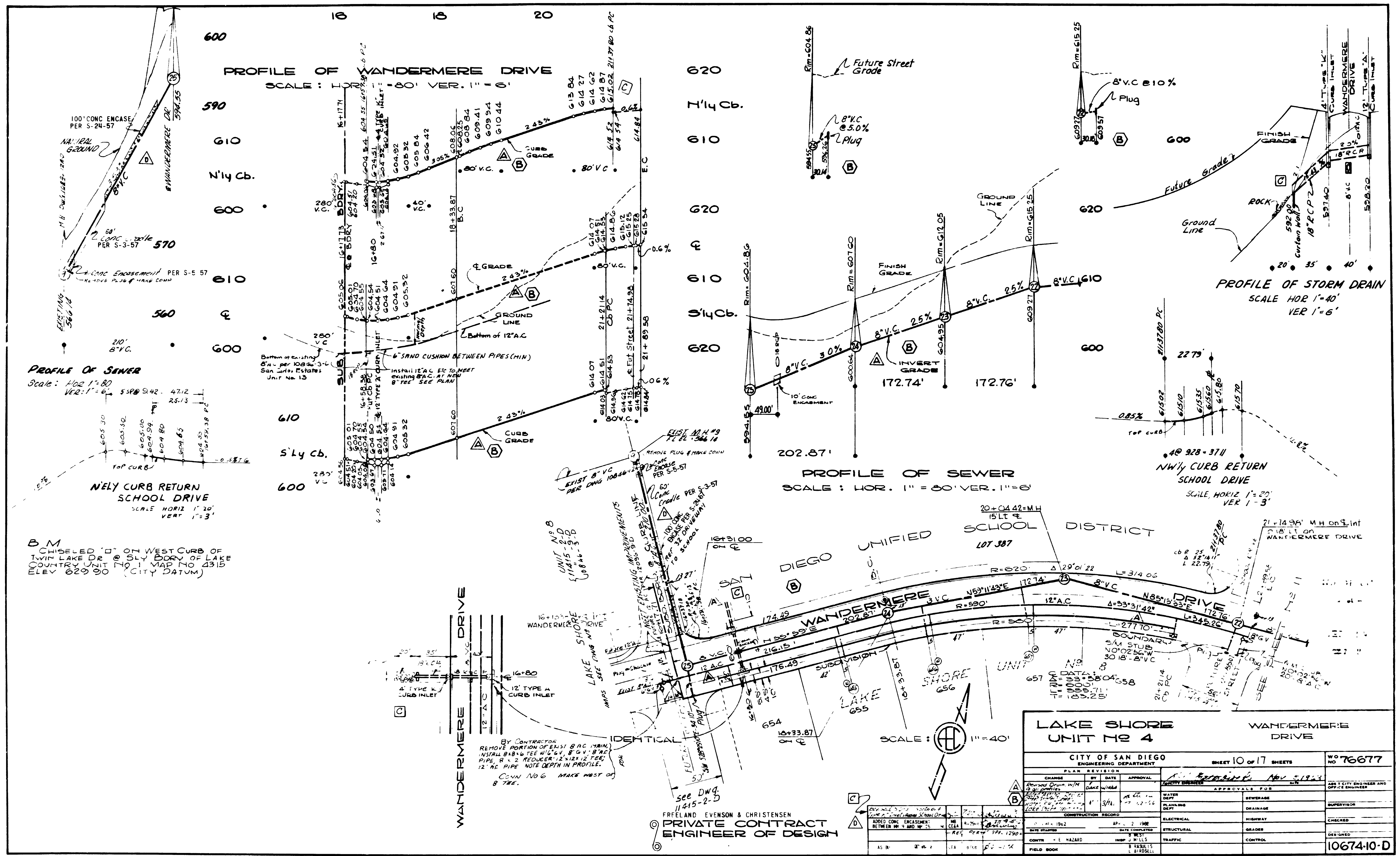
MONUMENT PERPETUATION



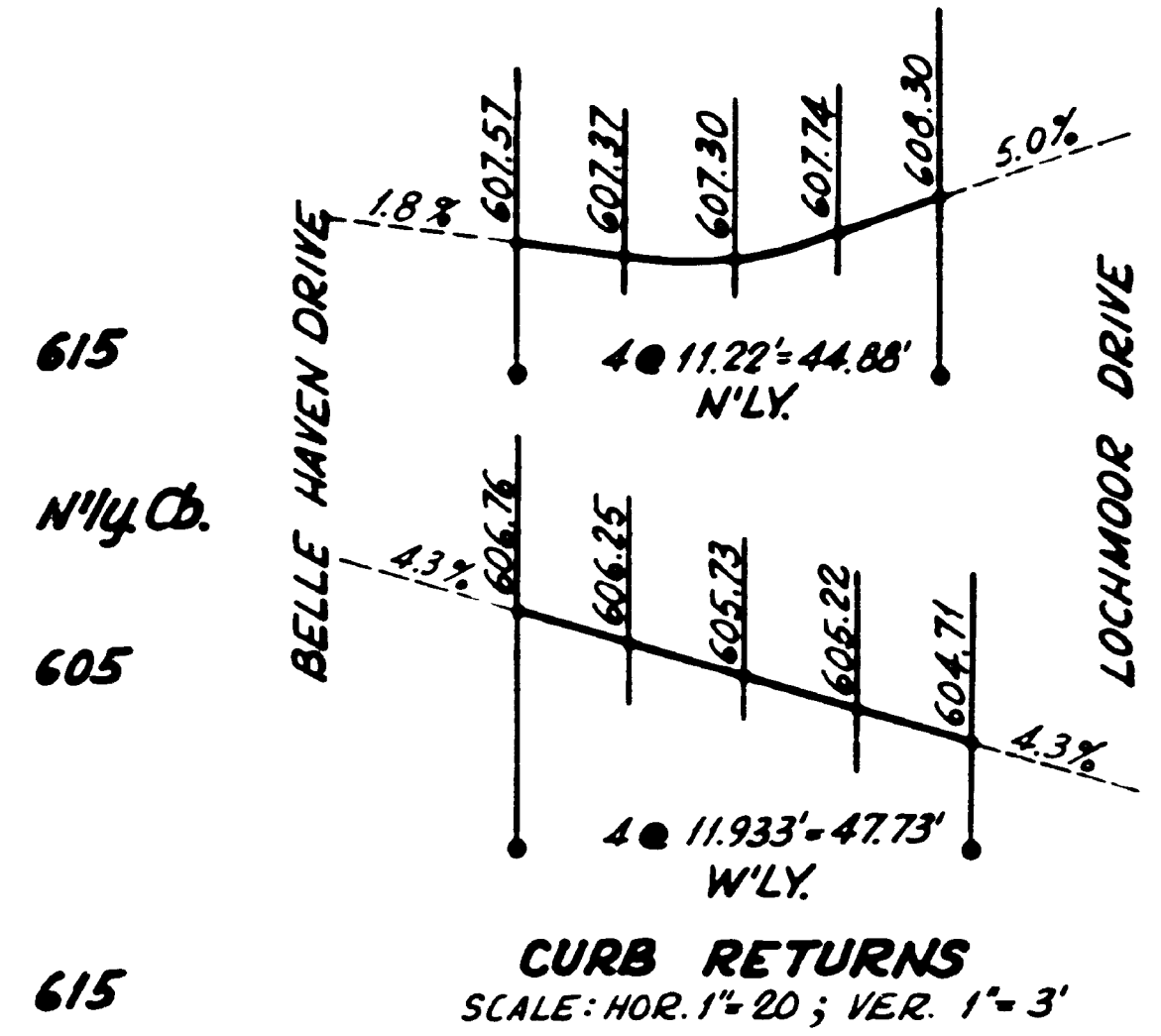
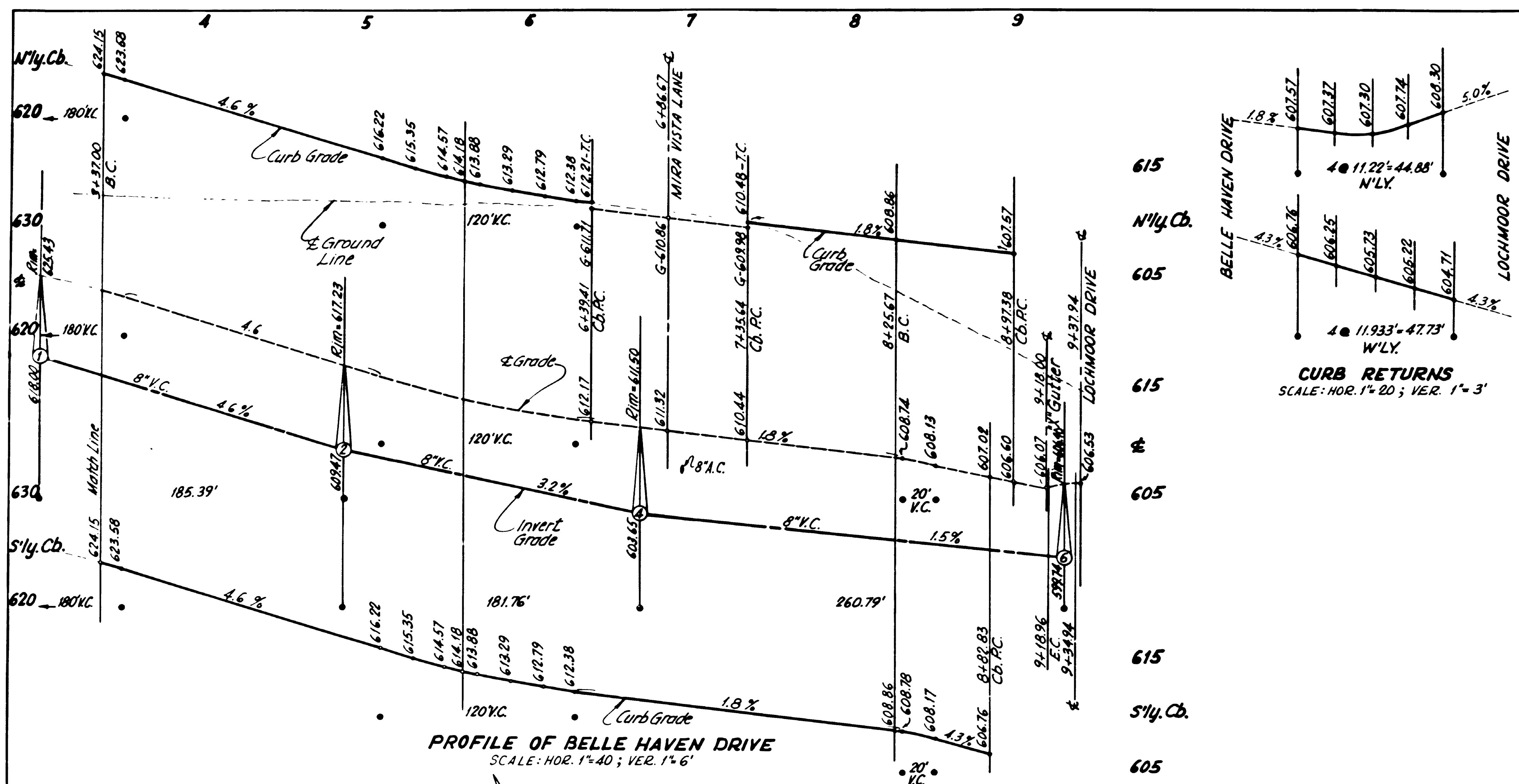
WBS #
B-18120

SEE MAP

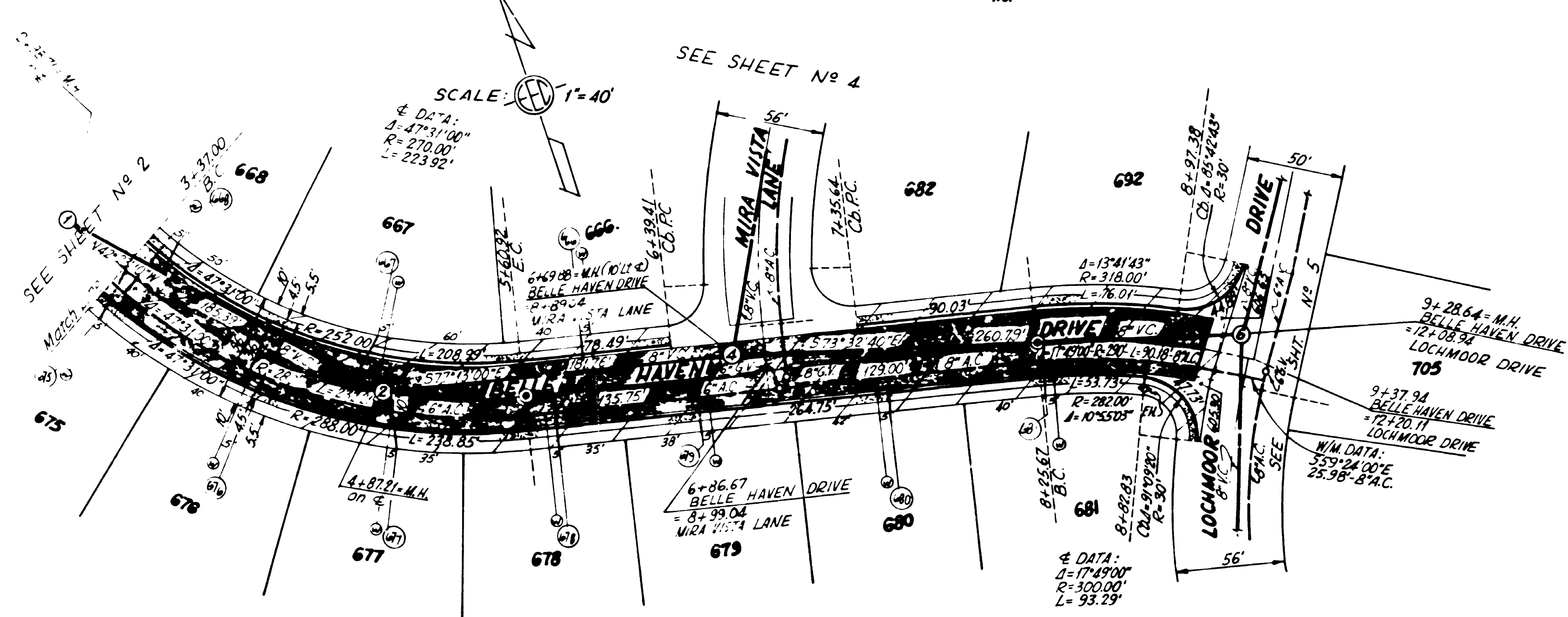
REFERENCE ASBUILT DRAWINGS



LAKE SHORE UNIT NO 4				WANDERMERE DRIVE			
CITY OF SAN DIEGO ENGINEERING DEPARTMENT				SHEET 10 OF 17 SHEETS			
PLAN REVISION				APPROVALS FOR			
CHARGE	BY	DATE	APPROVAL	WATER DEPT.	SEWERAGE	PLANNING DEPT.	DRIVEWAY
ADD'D CONC ENCASEMENT BETWEEN MH 4 AND MH 25	AKG	11/14/15	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
CONSTRUCTION RECORD				APPROVALS FOR			
DATE STARTED	DATE COMPLETED	DATE STOPPED	DATE RESUMED	ELECTRICAL	HIGHWAY	GRADES	CONTROL
AS BUILT	11/14/15	11/14/15	11/14/15	[Signature]	[Signature]	[Signature]	[Signature]
FIELD BOOK				10674-10-D			



B.M.
Brass Plug @ NE Corner of
WANDERERE DRIVE and
CLAREMORE AVENUE.
Elev: 746.96 City Datum
Add 6.12' to elevations shown
to obtain M.S.L. Datum



MICROFILMED
DEC. 31 1965

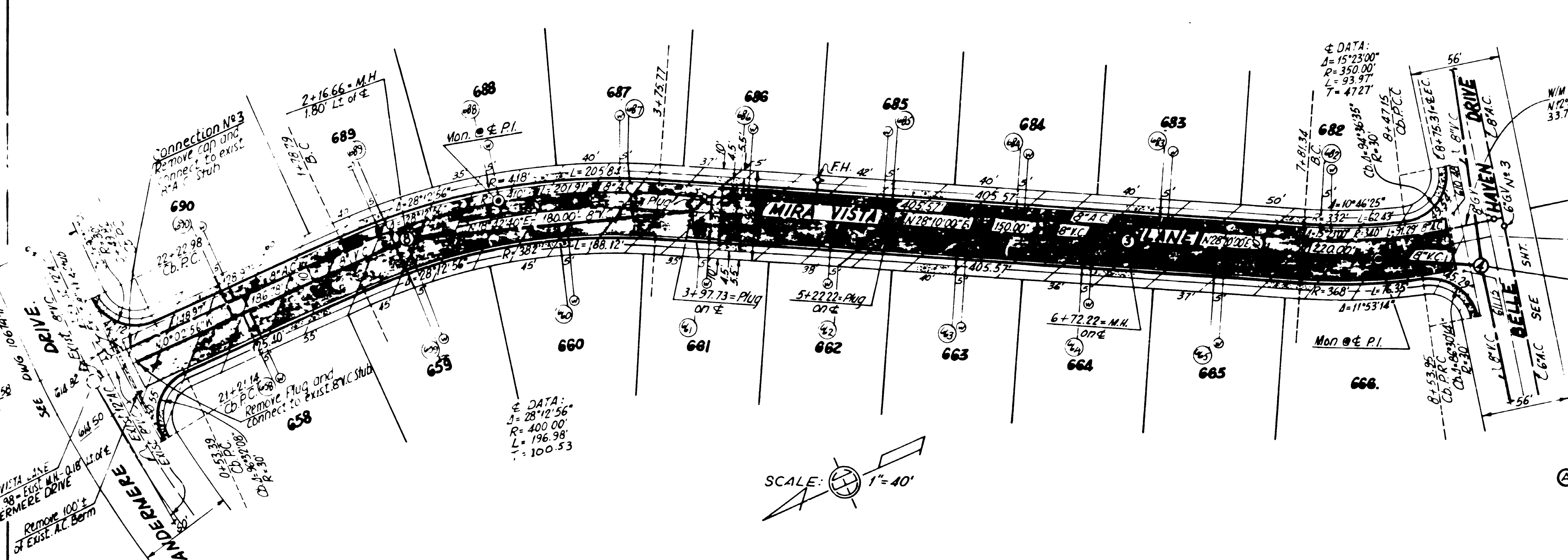
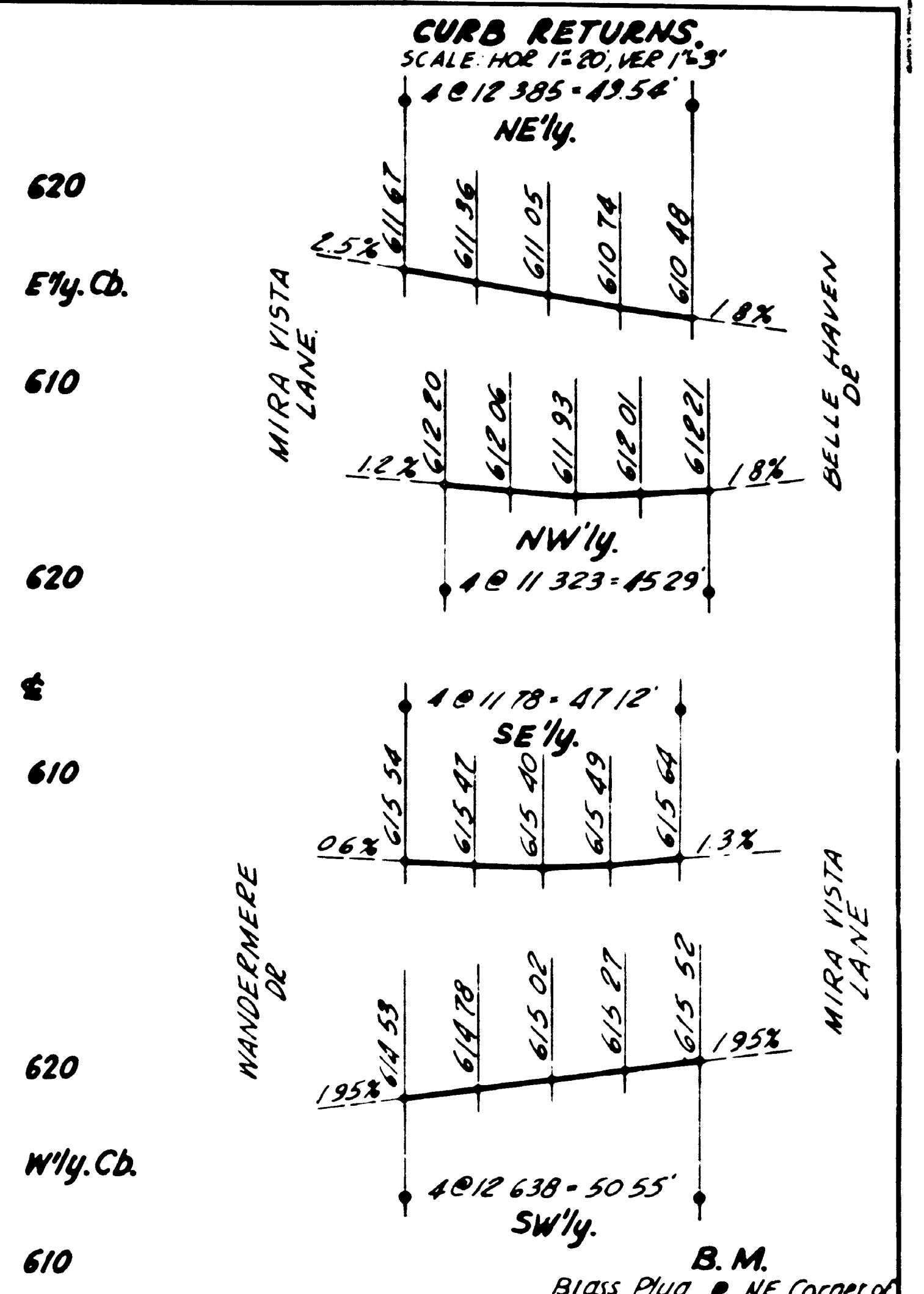
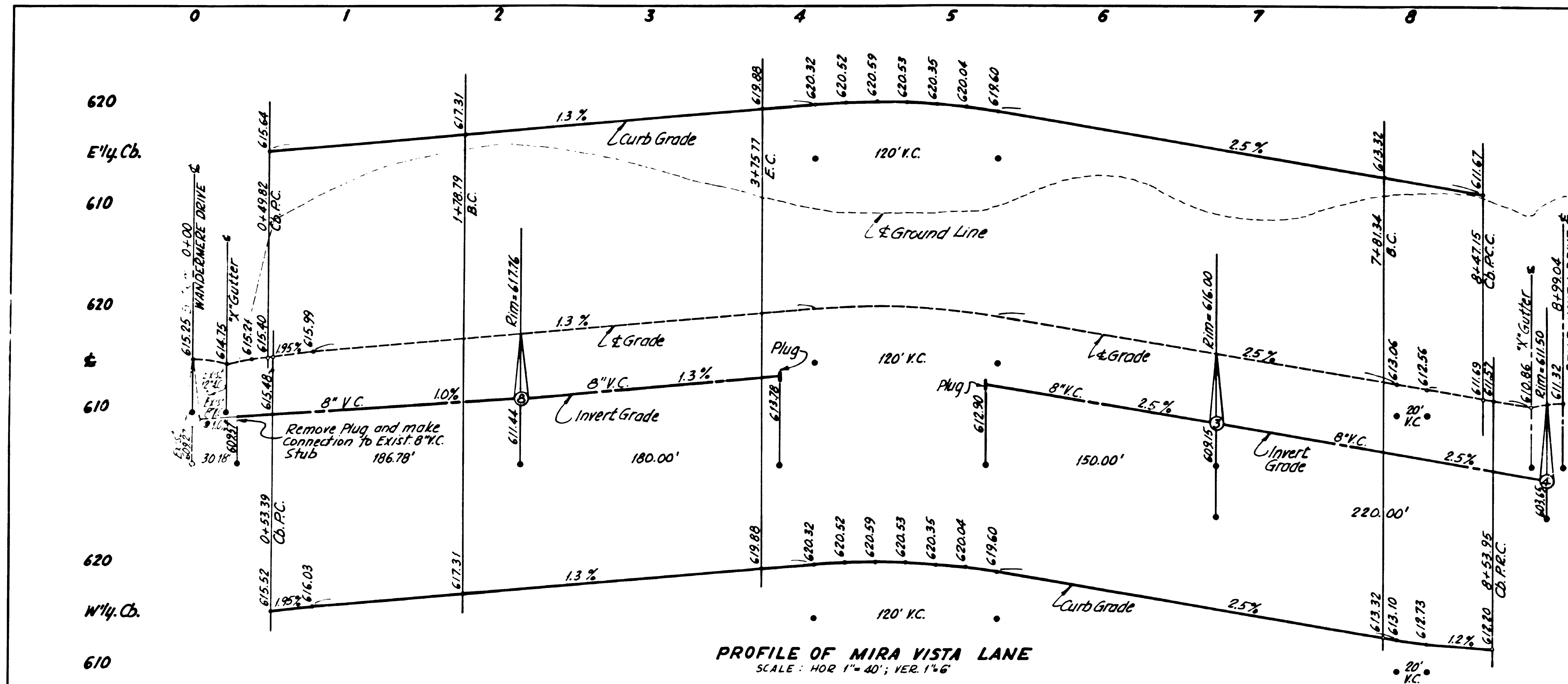
PRIVATE CONTRACT
ENGINEER OF DESIGN

FREE LAND · EVENSON & CHRISTENSEN
Bill K. Brantle R.C.E. 8102

LAKE SHORE UNIT NO 8		BELLE HAVEN DRIVE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 3 OF 9 SHEETS	
NO 76912			
CHANGED BY DATE	APPROVAL	DATE	APPROVAL
Added Water & Sewer Meters	J. F. [Signature]	11-25-66	[Signature]
AS BUILT	L.S.	DATE	APPROVAL
As Built	ER/V/LG	DATE	APPROVAL
2-14-66	11-25-66	DATE	APPROVAL
SUNSEY INYEN. PATRICK	BY BIRDSELL	DATE	APPROVAL
FIELD NO. 228-1753		DATE	APPROVAL

MICROFILMED
JAN 1 8 1967

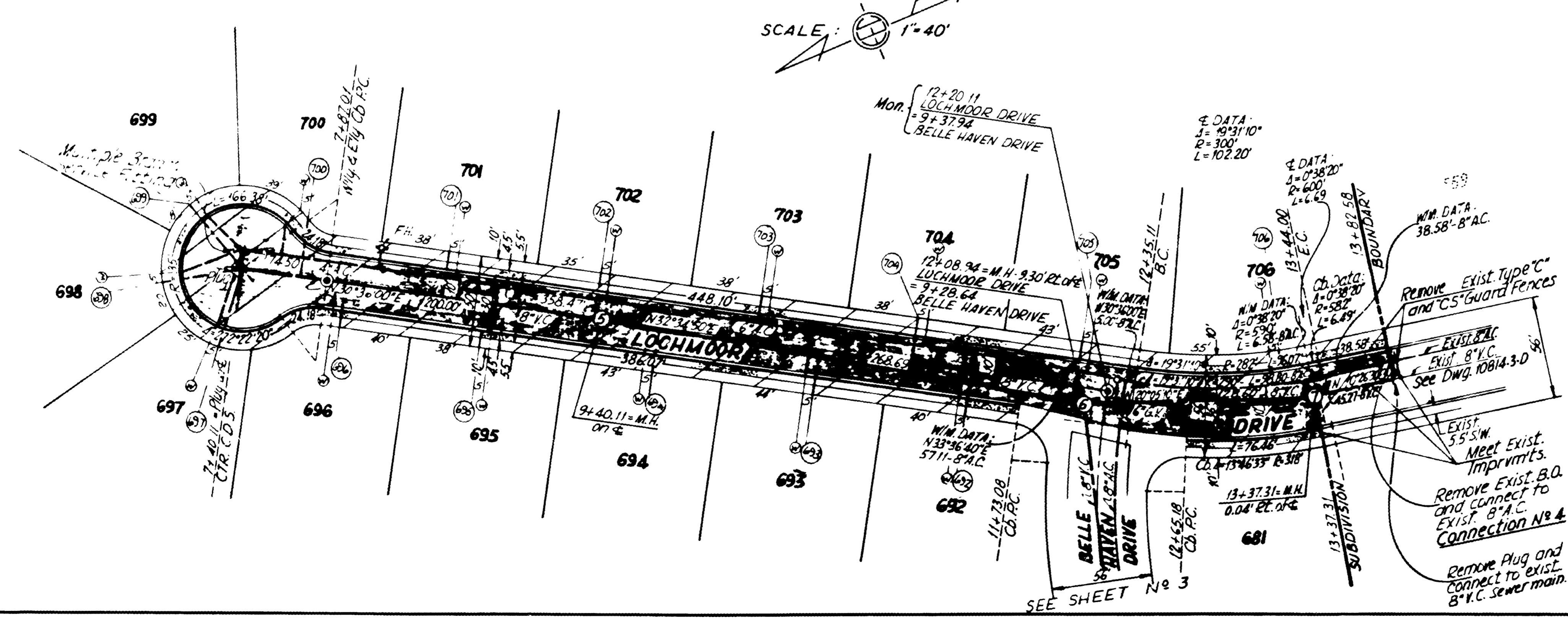
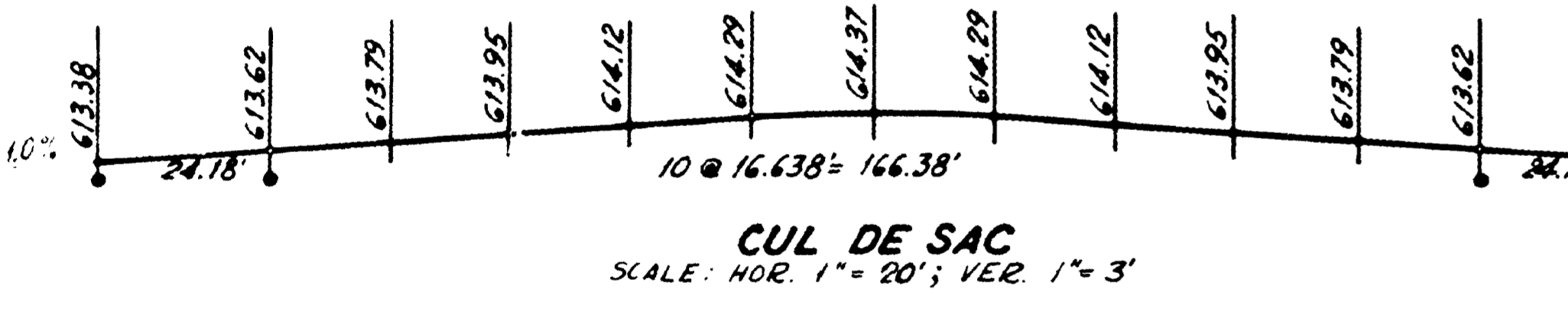
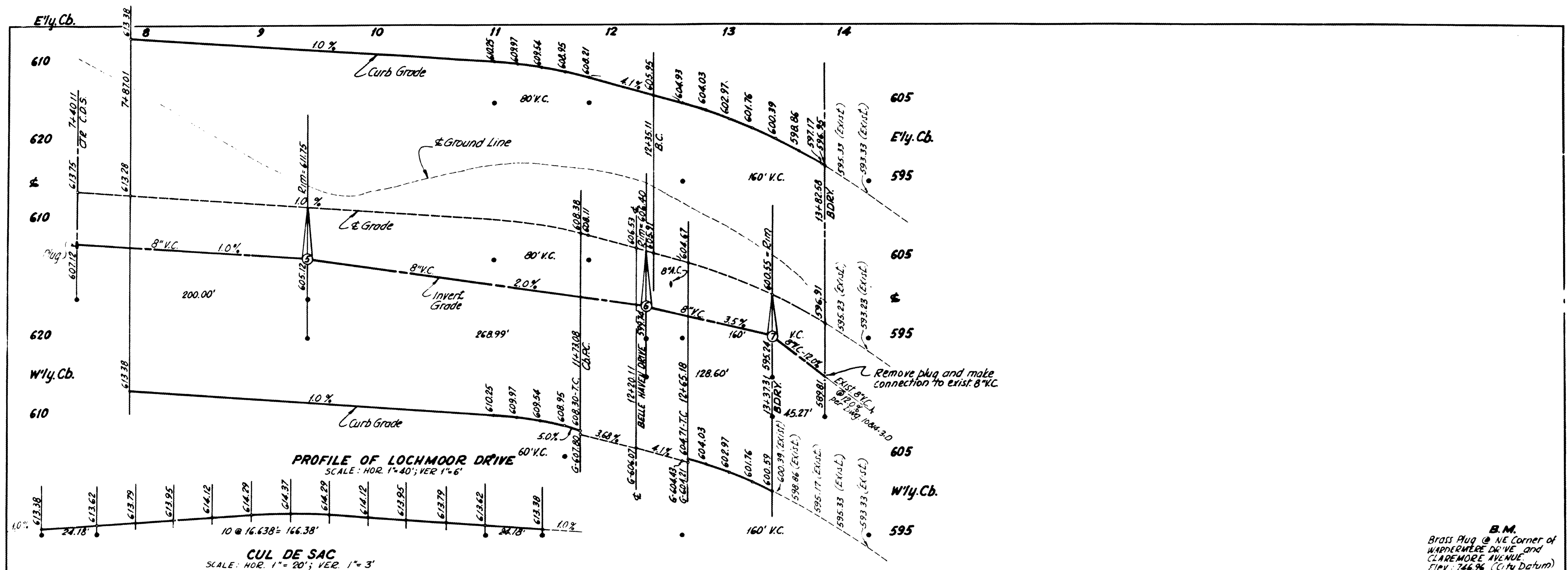
AS BUILT INDEXED
A-5358



B.M.
BISS Plug @ NE Corner of WANDERMERE DRIVE and CLAREMORE AVENUE. Elev. 746.96 (City Datum). Add 6.12' to elevations shown to obtain M.S.L. DATUM.

PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND · EVENSON & CHRISTENSEN
Bill K. Bramble R.C.E. 8102

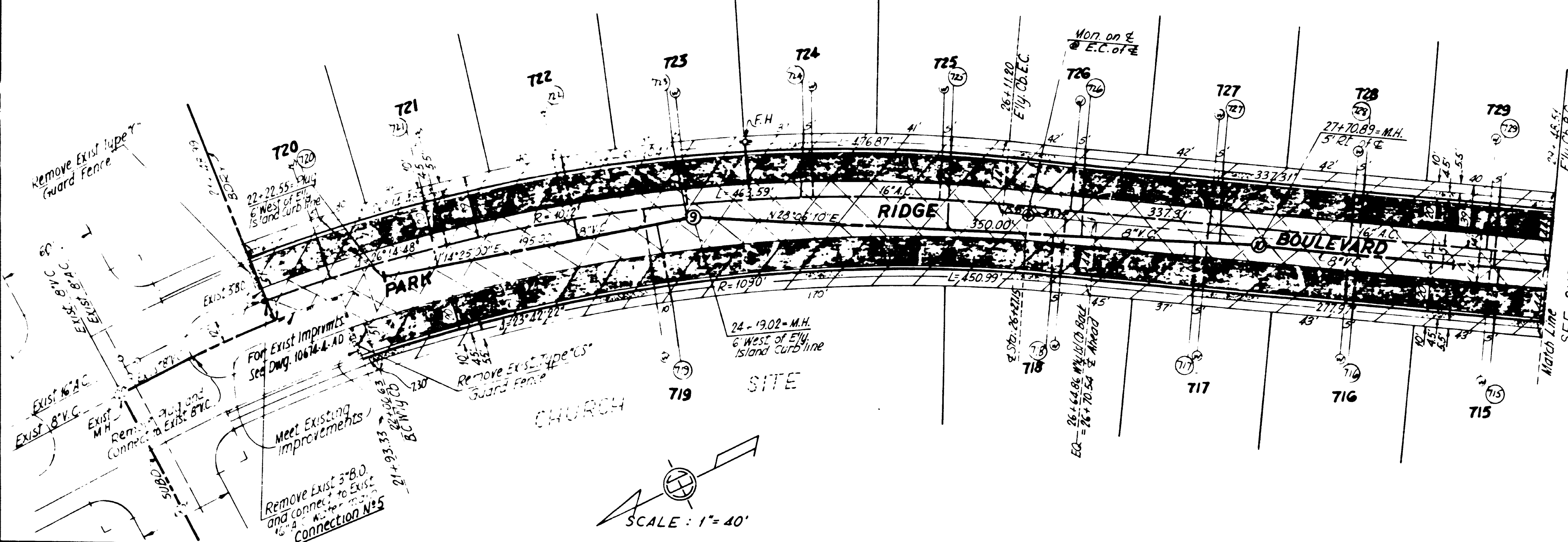
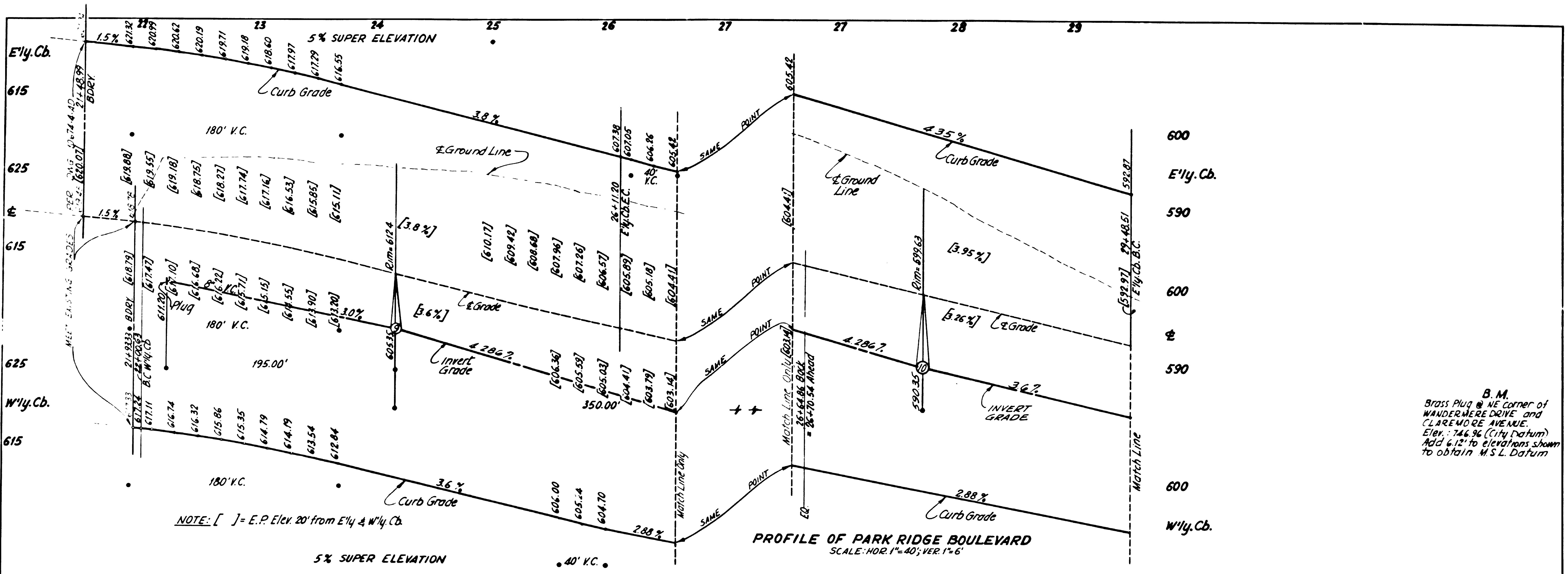
LAKE SHORE UNIT NO 8		MIRA VISTA LANE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 4 OF 9 SHEETS	NO 76912
CHANGE	BY	DATE	APPROVAL
AS BUILT	L.S.	11-25-66	[Signature]
AS BUILT	ER	1/1/67	[Signature]
2-14-66		11-25-66	
SUNSHINE INTER. PETRO. CORP.	DATE COMPLETED	BY	CONTRACT NO.
228-1753		BIRDSELL	11415-4 D
MICROFILMED		INDEXED	
JAN 1 1967		4-5358	



B.M.
 Brass Plug @ NE Corner of
 WARDMORE DRIVE and
 CLAREMORE AVENUE.
 Elev. 746.94 (City Datum)
 Add 6.12' to elevations shown
 to obtain M.S.L. Datum

PRIVATE CONTRACT ENGINEER OF DESIGN
 FREELAND, EVENSON & CHRISTENSEN
 Bell K. Bramble P.C.E. 8102

LAKE SHORE UNIT N ^o 8		LOCHMOOR DRIVE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 5 OF 9 SHEETS NO 76912	
PLAN	REVISION	DATE	APPROVAL
AS BUILT	1-3	11-25-66	[Signature]
2-14-66	11-25-66		
SUNSHINE INTER. PETROL	BRIDGELL		
FILE NO. 22B-1753			
As Built ER-7147	MICROFILMED	AS BUILT	A-5358



600
E'ly. Cb.
590
600
E
590
600
W'ly. Cb.

B.M.
Brass Plug @ NE corner of
WANDERERE DRIVE and
CLAREMERE AVENUE.
Elev.: 746.96 (City Datum)
Add 6.12' to elevations shown
to obtain M.S.L. Datum

PRIVATE CONTRACT
ENGINEER OF DESIGN

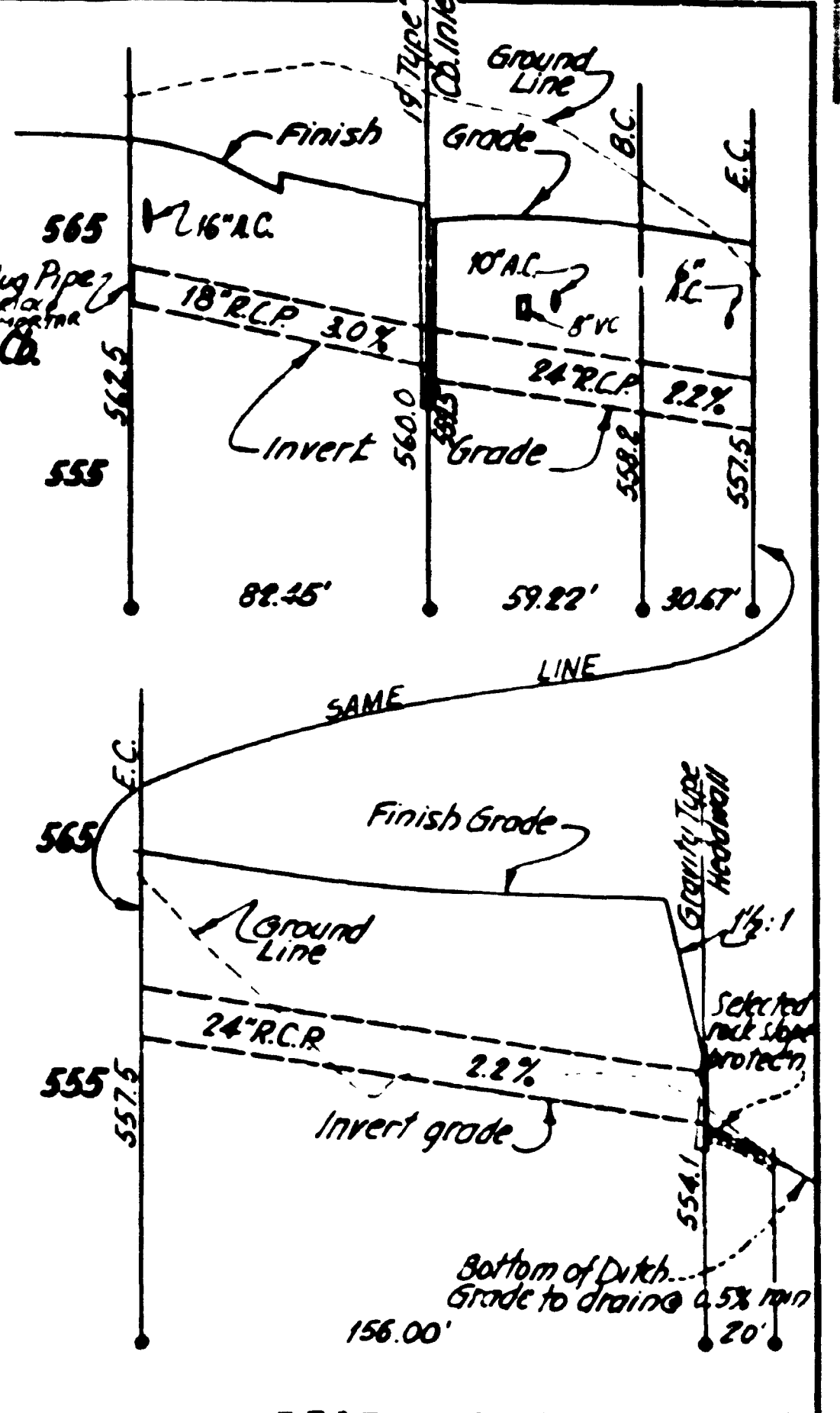
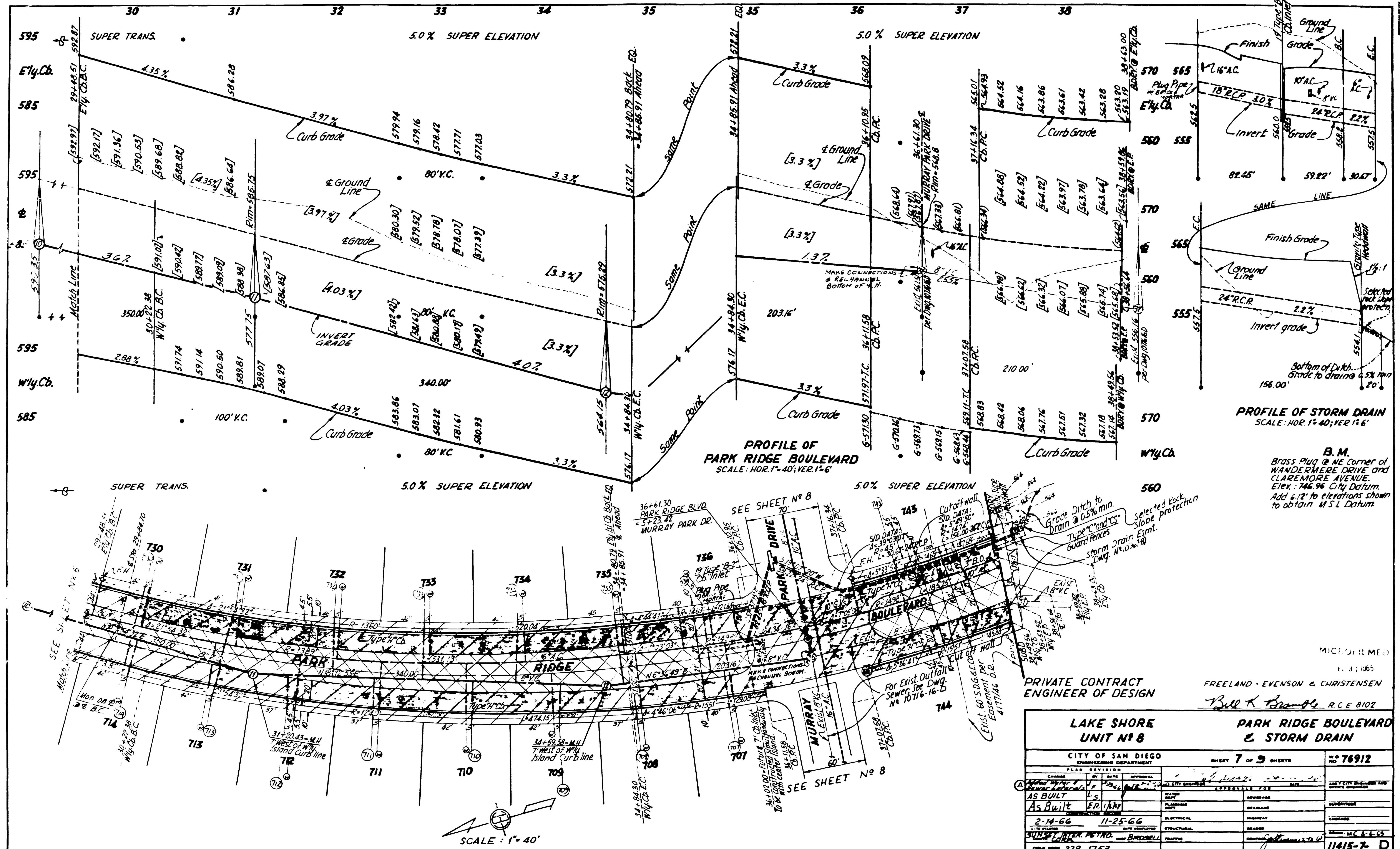
FREELAND · EVENSON & CHRISTENSEN
Bill K. Brantle R.C.E. 8102

LAKE SHORE UNIT No 8 **PARK RIDGE BOULEVARD**

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT SHEET 6 OF 9 SHEETS NO 76912

DESIGNED BY	DATE	APPROVAL	CITY ENGINEER	DATE
AS BUILT	11-25-66			
AS BUILT	ER PLAN			
DATE	DATE	DATE	DATE	DATE
2-19-66	11-25-66			
SUNSET INTER. PETRO. CORP.	DATE	DATE	DATE	DATE
228-1753				

MICROFILMED
AS BUILT INDEXED A-5358

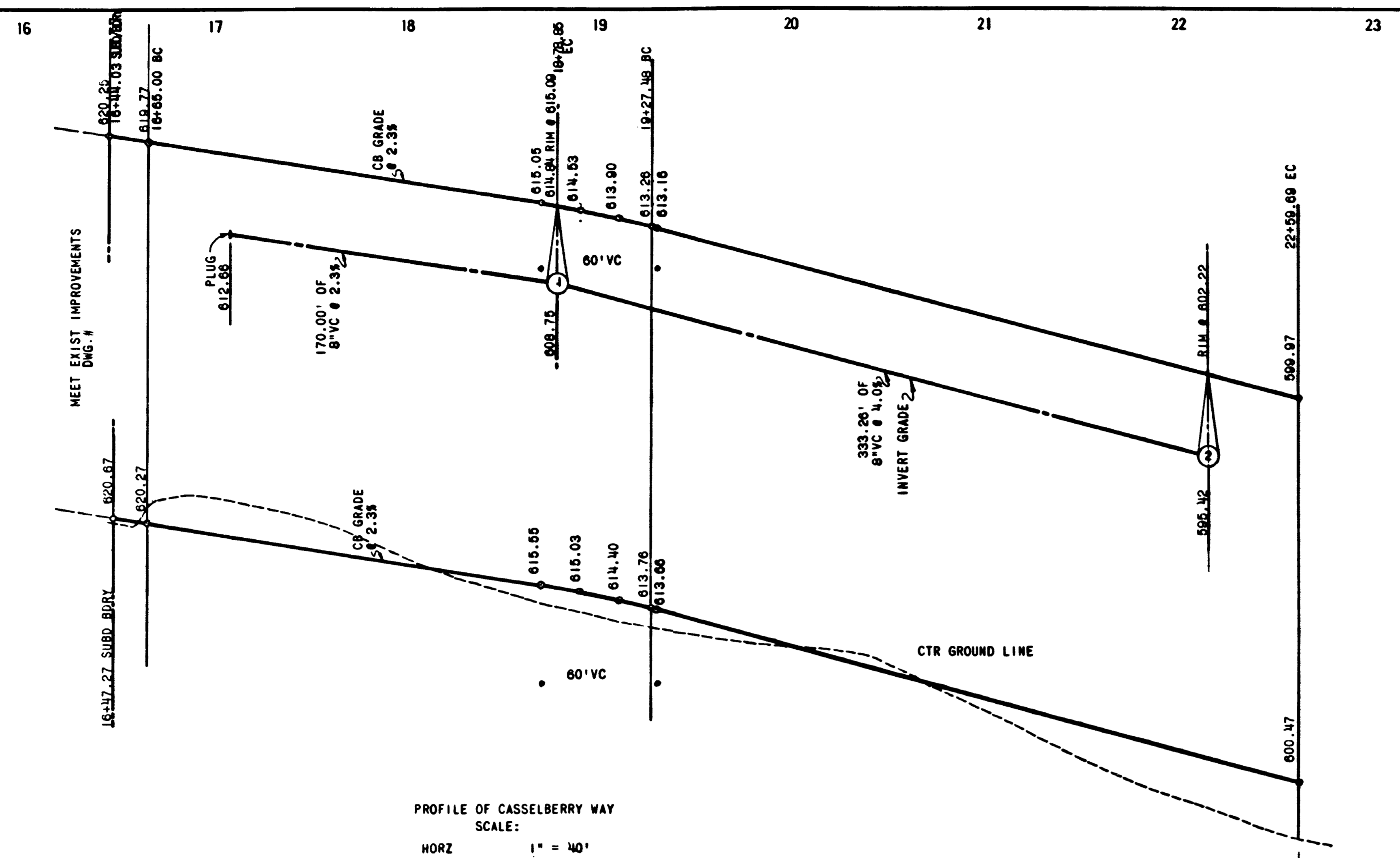


B.M.
Brass Plug @ NE Corner of
WANDERMERE DRIVE and
CLAREMORE AVENUE.
Elev. = 746.96 City Datum.
Add 6.12' to elevations shown
to obtain M.S.L. Datum.

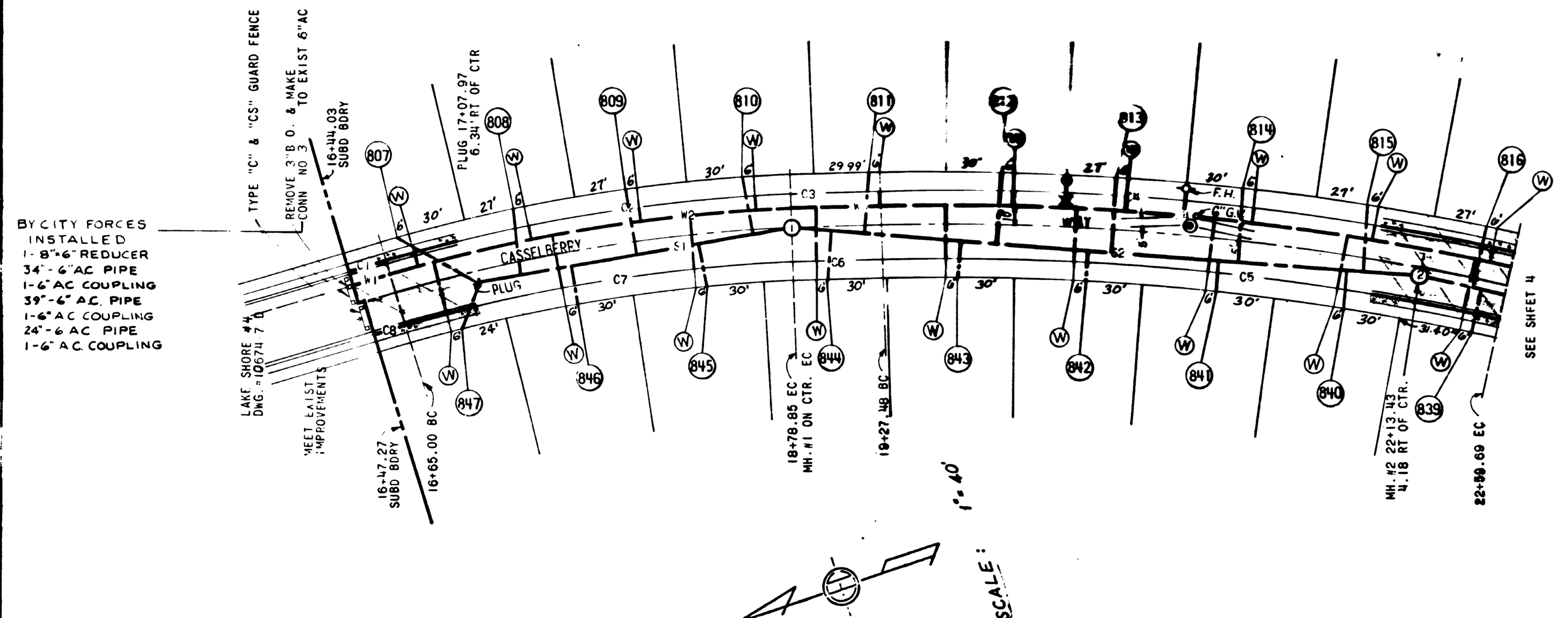
MICROFILMED
FREELAND · EVENSON & CHRISTENSEN
Bill K. Brantle R.C.E. 9102

LAKE SHORE UNIT # 8		PARK RIDGE BOULEVARD & STORM DRAIN	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 7 OF 9 SHEETS NO. 76912	
DATE	APPROVAL	DATE	APPROVAL
AS BUILT	FRIMM	2-14-66	11-25-66
DESIGNED BY	FRIMM	CHECKED BY	FRIMM
DRAWN BY	FRIMM	SCALE	AS BUILT
PROJECT NO.	228-1753	DATE	11-25-66
PROJECT NAME	LAKE SHORE UNIT # 8	PROJECT NO.	228-1753
PROJECT LOCATION	PARK RIDGE BOULEVARD	PROJECT NO.	228-1753
PROJECT DESCRIPTION	STORM DRAIN	PROJECT NO.	228-1753
PROJECT STATUS	AS BUILT	PROJECT NO.	228-1753

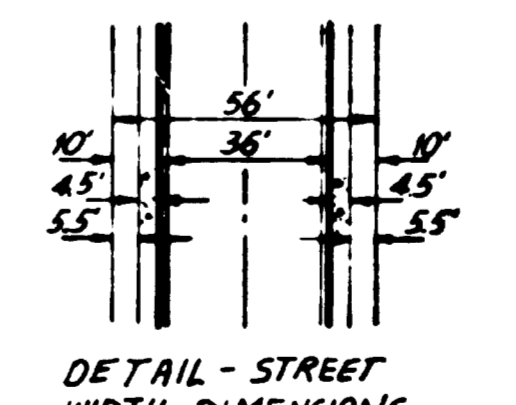
MICROFILMED
AS BUILT
4-5358



PROFILE OF CASSELBERRY WAY
SCALE:
HORZ 1" = 40'
VERT 1" = 6'



BY CITY FORCES INSTALLED
1-8" 6" REDUCER
34'-6" AC PIPE
1-6" AC COUPLING
39'-6" AC PIPE
1-6" AC COUPLING
24'-6" AC PIPE
1-6" AC COUPLING



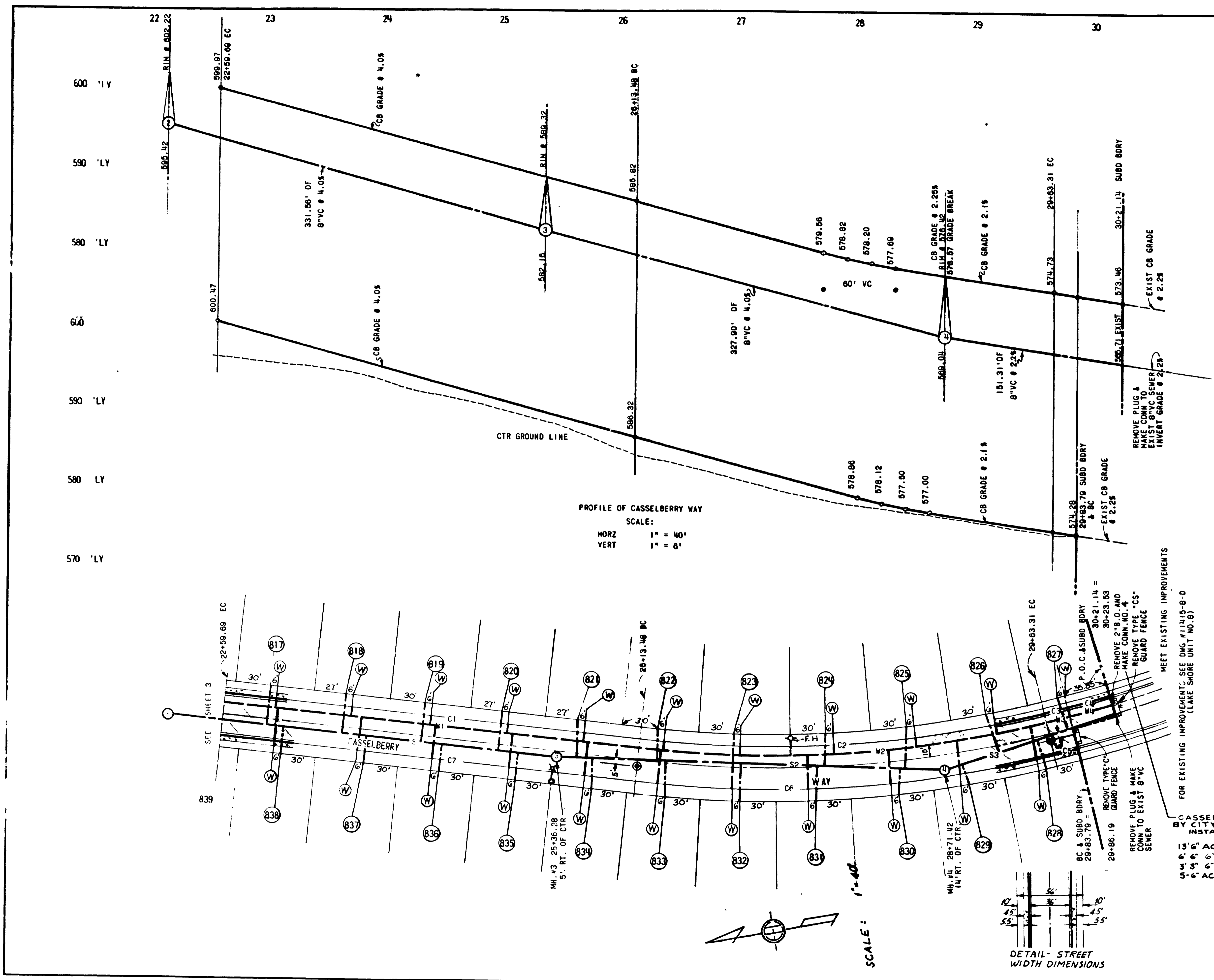
NUMBER	TYPE	RADIUS	DELTA OR BEARING	LENGTH	TOTAL LENGTH OR AREA
C1	6" TYPE "G" CB		N 0°57'04"E	20.97	
2		818	15°18'57"	218.66	
3			S16°16'01"W	48.63	
4		1318	14°38'31"	336.82	
5		1282	14°38'31"	327.62	
6			S16°16'01"W	48.63	
7		762	15°18'37"	209.04	
CB	6" TYPE "G" CB		N 0°57'04"E	17.73'	1,228.10
SIDEWALK					(SQ FT) 4,912.
SCHEDULE "B" PAVING					(SQ FT) 20,264.
W1	6" AC		N 0°57'04"E	20.97	
2		810	15°18'57"	216.92	
3			S16°16'01"W	48.63	
W4	6" AC	1310	14°38'31"	334.77	
					620.89
S1	8" VC		S 8°01'21"W	170.00	
S2	8" VC		N22°21'56"E	333.26	
					503.26

B.M.
NE BP WANDERMERE DRIVE and
BELLE GLADE AVENUE.
Elev. 593.24 City Datum Add 6'12" to
elevations shown to obtain M.S.L. Datum.

PRIVATE CONTRACT
ENGINEER OF DESIGN
ERELAND - EVENSON & CHRISTENSEN
Bill K. Bramble R.C.E. 8102

CASSELBERRY WAY		W.O. NO. 77198
LAKE SHORE UNIT NO. 9		
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 3 OF 10 SHEETS		
DATE: 3-8-67	BY: [Signature]	
DESCRIPTION	BY	APPROVED
AS BUILT CHECK	3-27-67	[Signature]
CONTRACTOR: C.A. YOUNG		DATE STARTED: 3-27-67
INSPECTOR: RASUMIS		DATE COMPLETED: 3-25-67
		12656-3 -D

AS BUILT



NUMBER	TYPE	RADIUS	DELTA OR BEARING	LENGTH	TOTAL LENGTH OR AREA
C1	6" TYPE "G" CB.		N30°54'32"E	353.79	
2		982	20°02'38"	343.54	
3			N10°51'54"E	20.48	
4		682	3°03'24"	36.38	
5			N10°51'54"E	20.48	
6			20°02'38"	356.13	
C7	6" TYPE "G" CB.	1018	N30°54'32"E	353.79	
					1,484.50
SIDEWALK					5,938 SQ. FT.
SCHEDULE "B" PAVING					23,836 SQ. FT.
W1	6" AC		N30°54'32"E	353.79	
2		990	20°02'38"	346.33	
3			N10°51'54"E	20.48	
W4	6" AC	690	3°03'24"	36.81	
					757.41
S1	8" VC		N30°54'32"E	331.56	
2			N26°36'56"E	327.90	
S3	8" VC		N 5°43'20"E	151.31	
					810.77

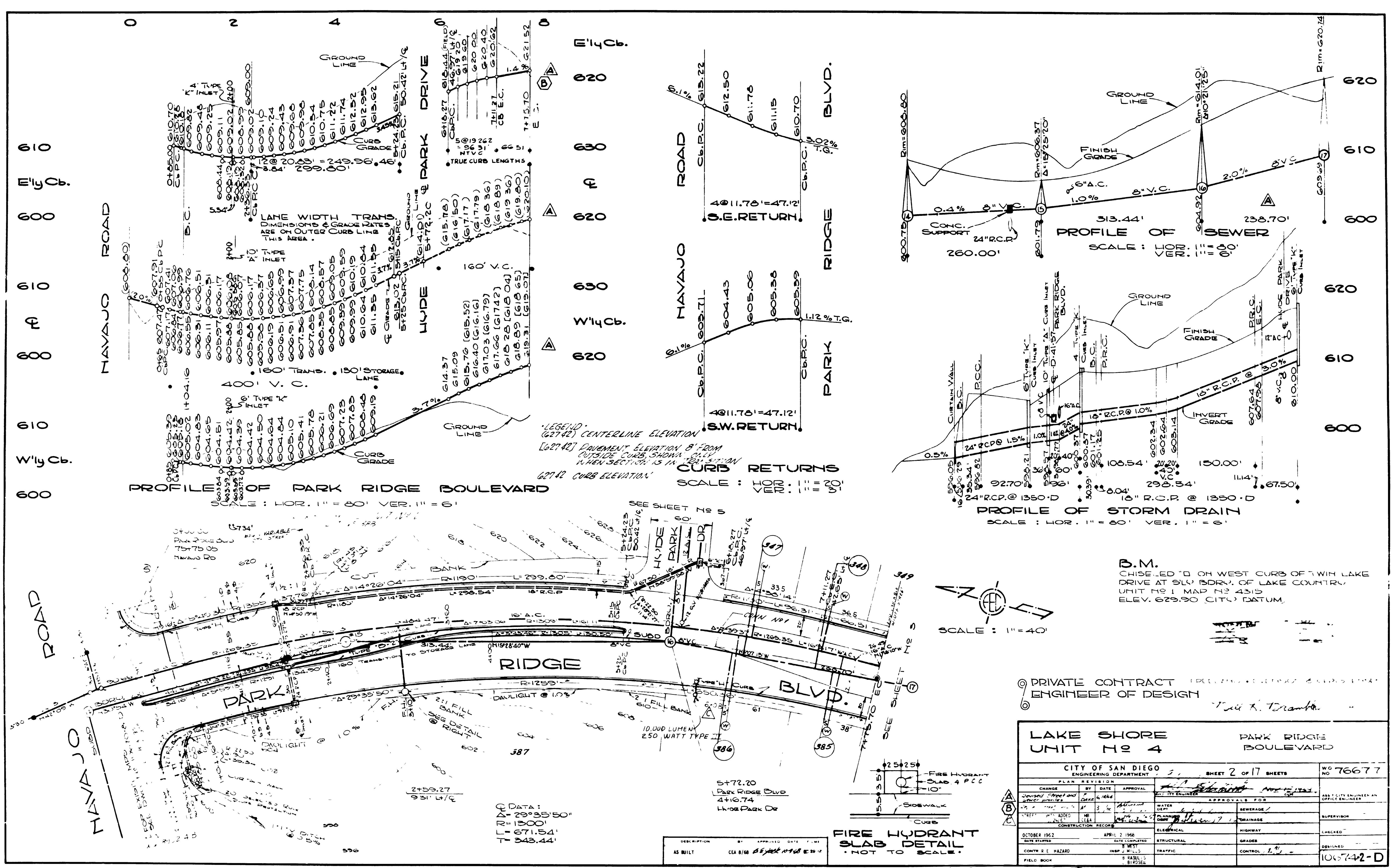
PROFILE OF CASSELBERRY WAY
SCALE:
HORZ 1" = 40'
VERT 1" = 8'

B.M.
NE BP WANDERMERE DRIVE and
BELLE GLADE AVENUE
Elev 593.24 City Datum Add 6.12' to
elevations shown to obtain M.S.L Datum

PRIVATE CONTRACT
ENGINEER OF DESIGN
FREELAND - EVENSON & CHRISTENSEN
Bill K. Bramble R.C.E 8102

CASSELBERRY WAY	
LAKE SHORE UNIT NO 9	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 4 OF 10 SHEETS	NO. 77198
DESCRIPTION	DATE
AS BUILT	3-8-77
CONTRACTOR	DATE STARTED
INSPECTOR	DATE COMPLETED
228-1753	12656-4-D

AS BUILT

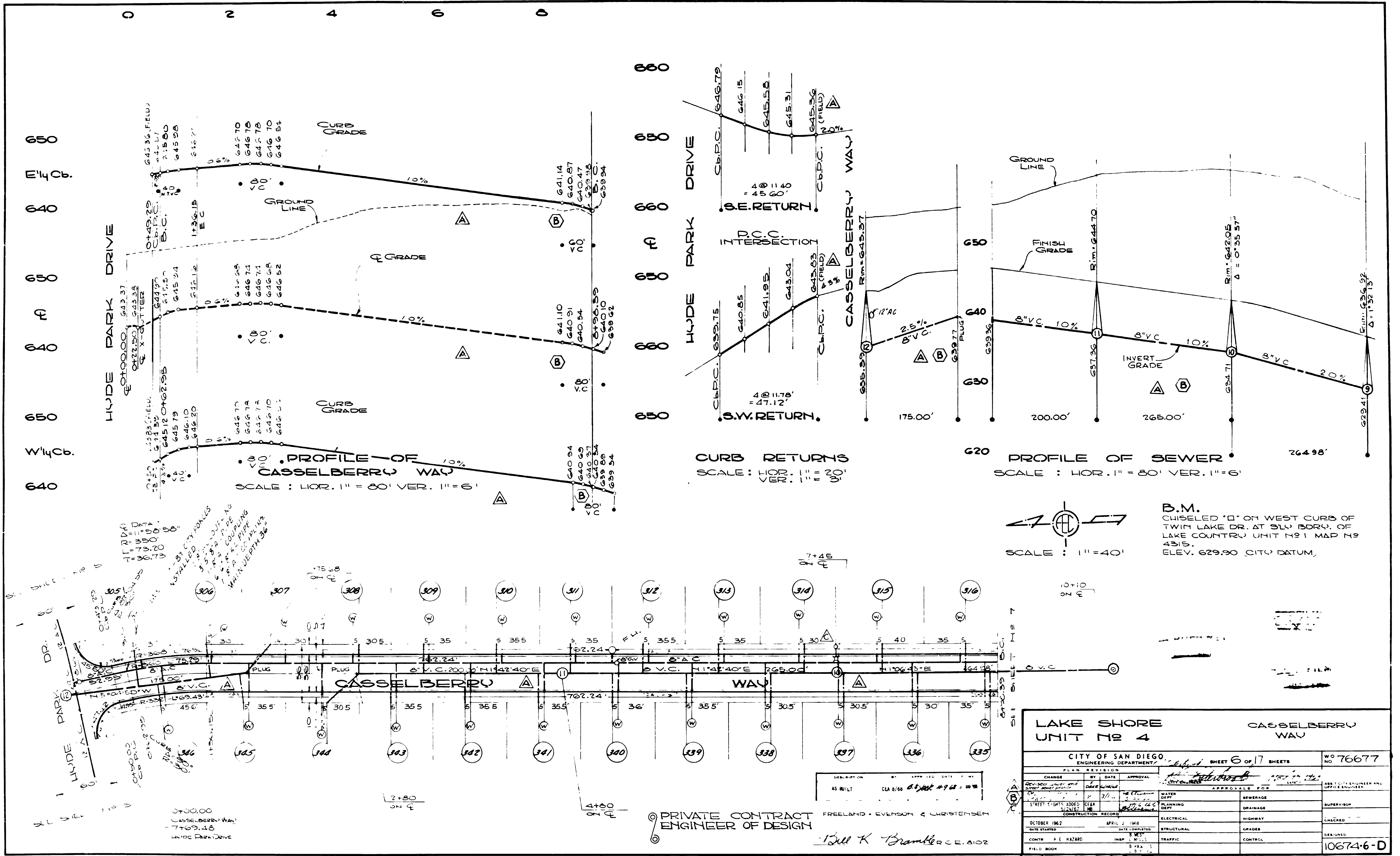


B.M.
 CHISELED TO ON WEST CURB OF TRINITY
 DRIVE AT SW. BDRY. OF LAKE COUNTRY,
 UNIT NO. 1 MAP NO. 4315
 ELEV. 629.90 (CITY DATUM)

PRIVATE CONTRACT ENGINEER OF DESIGN
T. K. Teramka

LAKE SHORE UNIT NO. 4		PARK RIDGE BOULEVARD	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 2 OF 17 SHEETS	
NO. 76677			
PLAN REVISION	BY	DATE	APPROVAL
CONTRACT	CH	4/16/68	[Signature]
STREET	AD	3/76	[Signature]
CONSTRUCTION RECORD	CH		
OCTOBER 1962	APRIL 2 1968	DATE COMPLETED	8 WEEKS
DAY STAFFED	1	INSPECTION	1
CONTRACT HAZARD	INSPECTION	TRAFFIC	CONTROL
FIELD BOOK	8	INSPECTION	CONTROL
			106-742-D

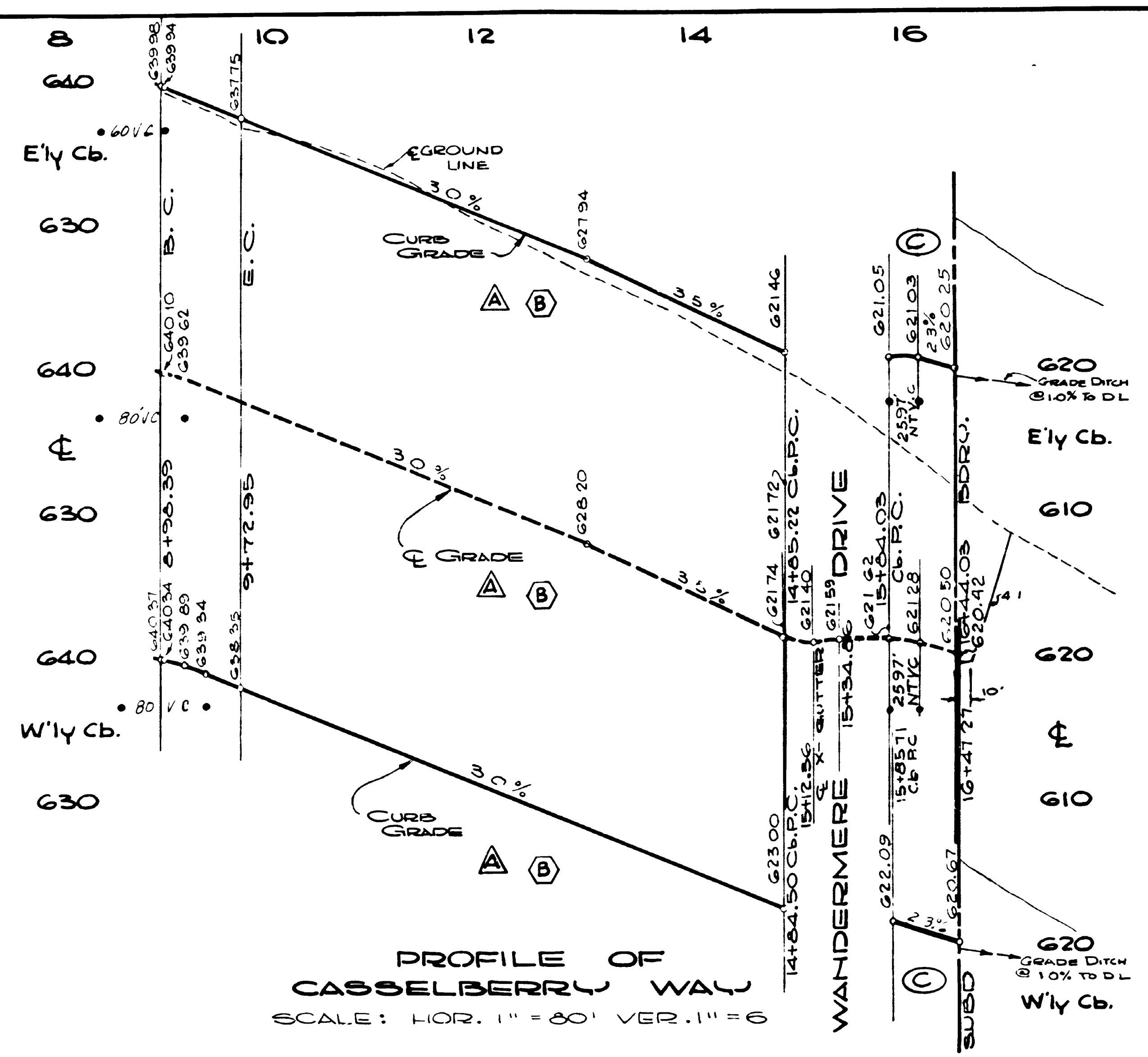
AS BUILT A-5084



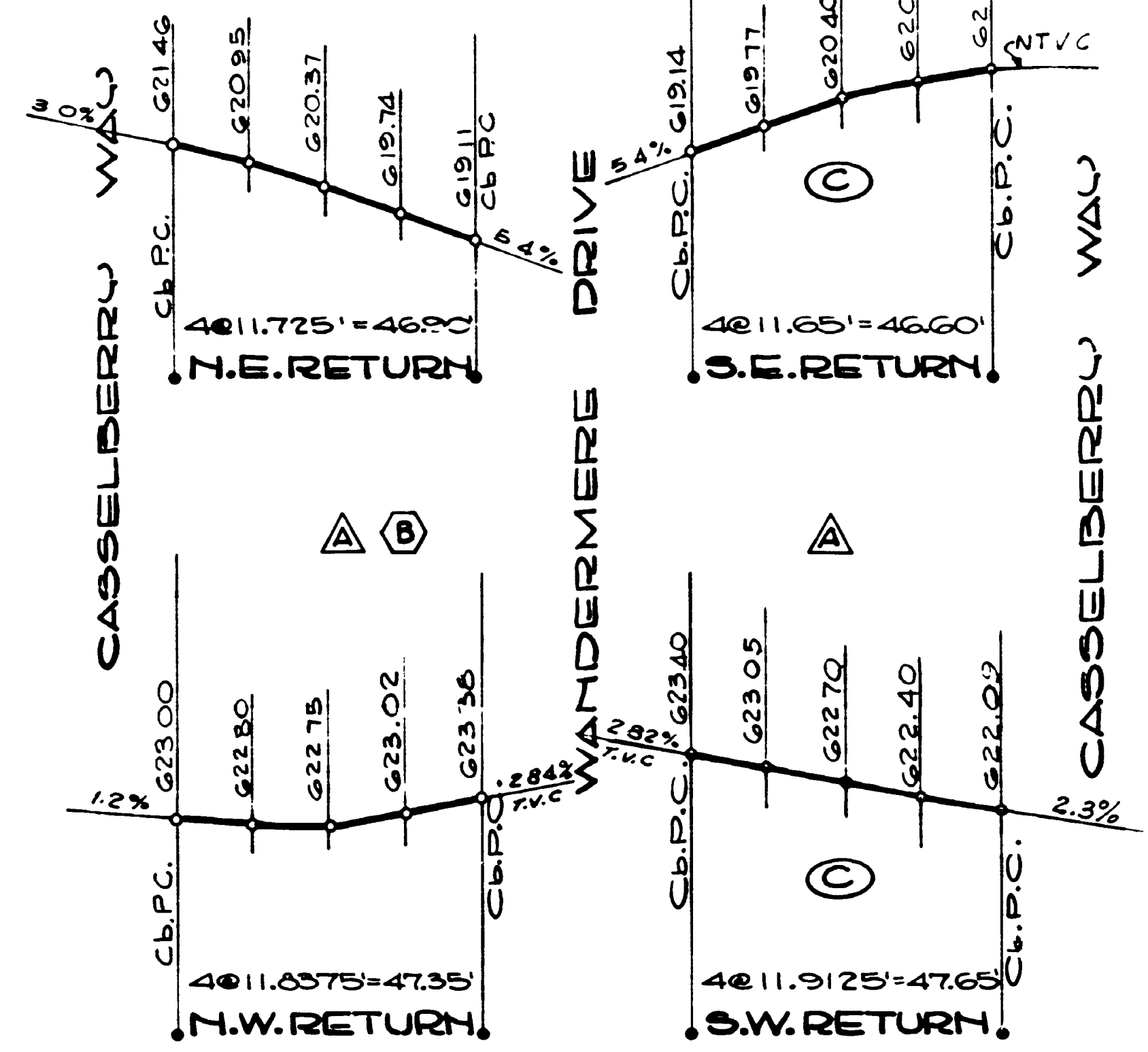
LAKE SHORE UNIT NO 4		CASSELBERRY WAY	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT			
SHEET 6 OF 17 SHEETS		NO 76677	
PLAN REVISION			
CHANGE	BY	DATE	APPROVAL
AS BUILT	CEA	8/16	8/16/62
CONSTRUCTION RECORD			
DATE STARTED	DATE COMPLETED	STRUCTURAL	GRADER
OCTOBER 1962	APRIL 2 1963		
CONTR. V. E. HAZARD	INSP. M.C.S.	TRAFFIC	CONTROL
FIELD BOOK	B. A. S.		
APPROVALS FOR			DESIGNED
WATER DEPT.			10674-6-D
PLANNING DEPT.			
SEWERAGE			
HIGHWAY			
SUPERVISOR			

AS BUILT A-5084

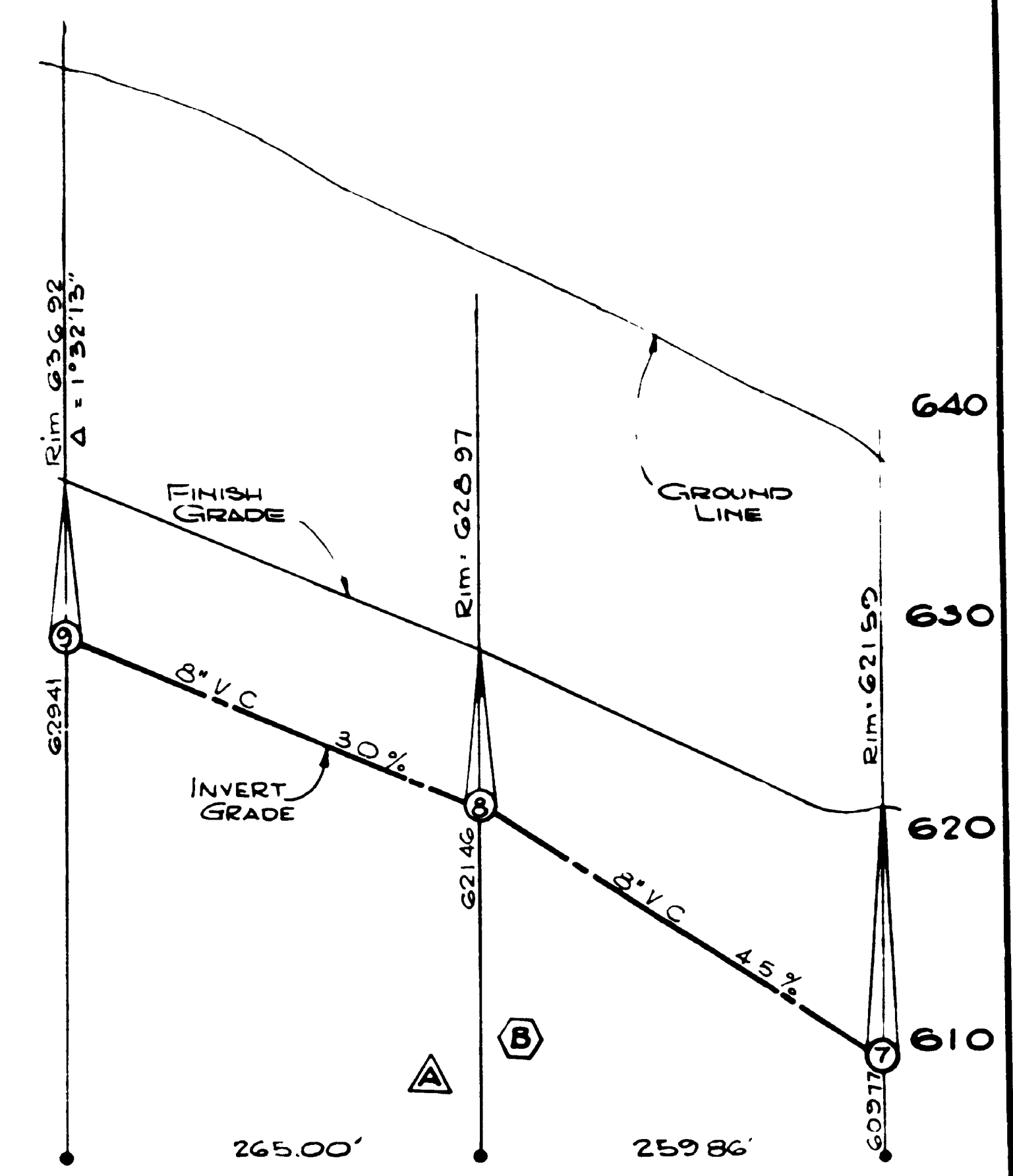
PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND - EVENSON & CHRISTENSEN
Bill K. Brammer C.E. 8102



PROFILE OF CASSELBERRY WAY
SCALE: HOR. 1" = 80' VER. 1" = 6'

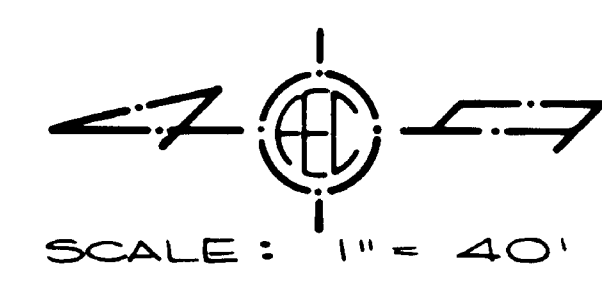
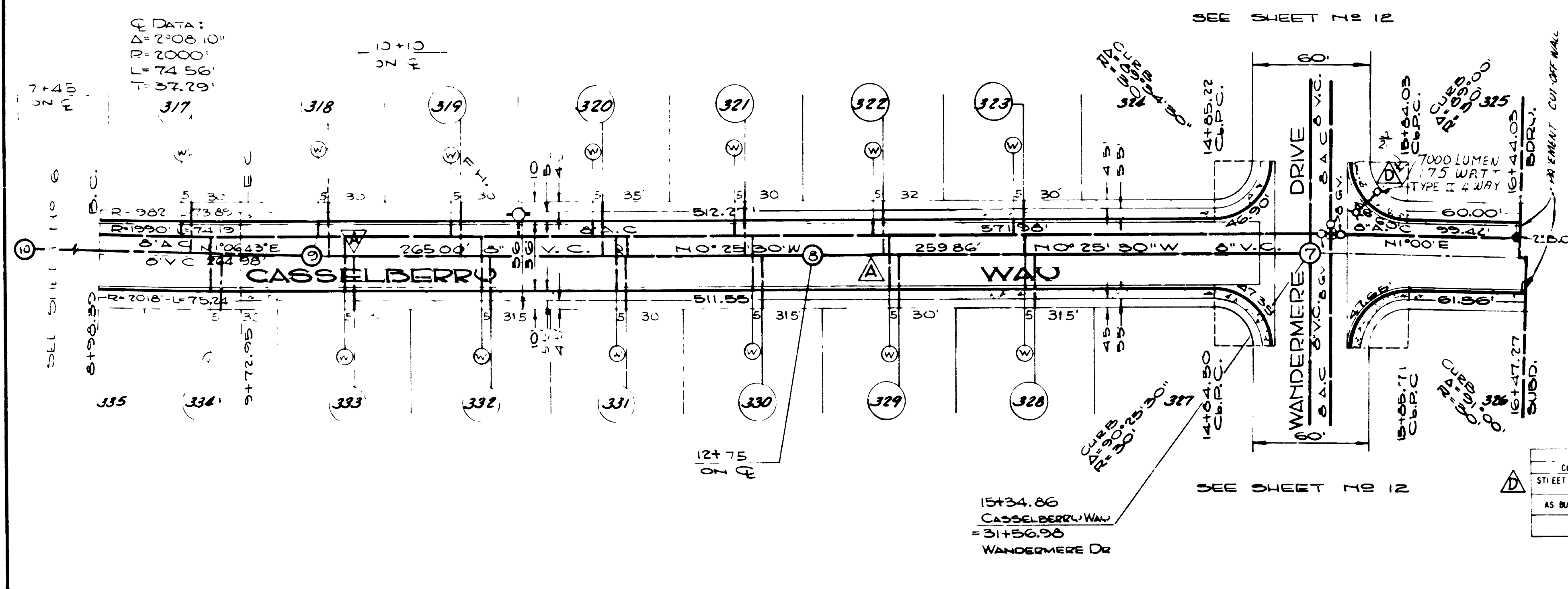


CURB RETURNS
SCALE: HOR. 1" = 20' VER. 1" = 3'



PROFILE OF SEWER
SCALE: HOR. 1" = 80' VER. 1" = 6'

B.M.
"RISELED "D" ON WEST CURB OF TWIN LAKE DR. AT S'ly BDRY OF LAKE COUNTRY UNIT NO 1 MAP NO 4315. ELEV. 629.90 (CITY DATUM)



SCALE: 1" = 40'

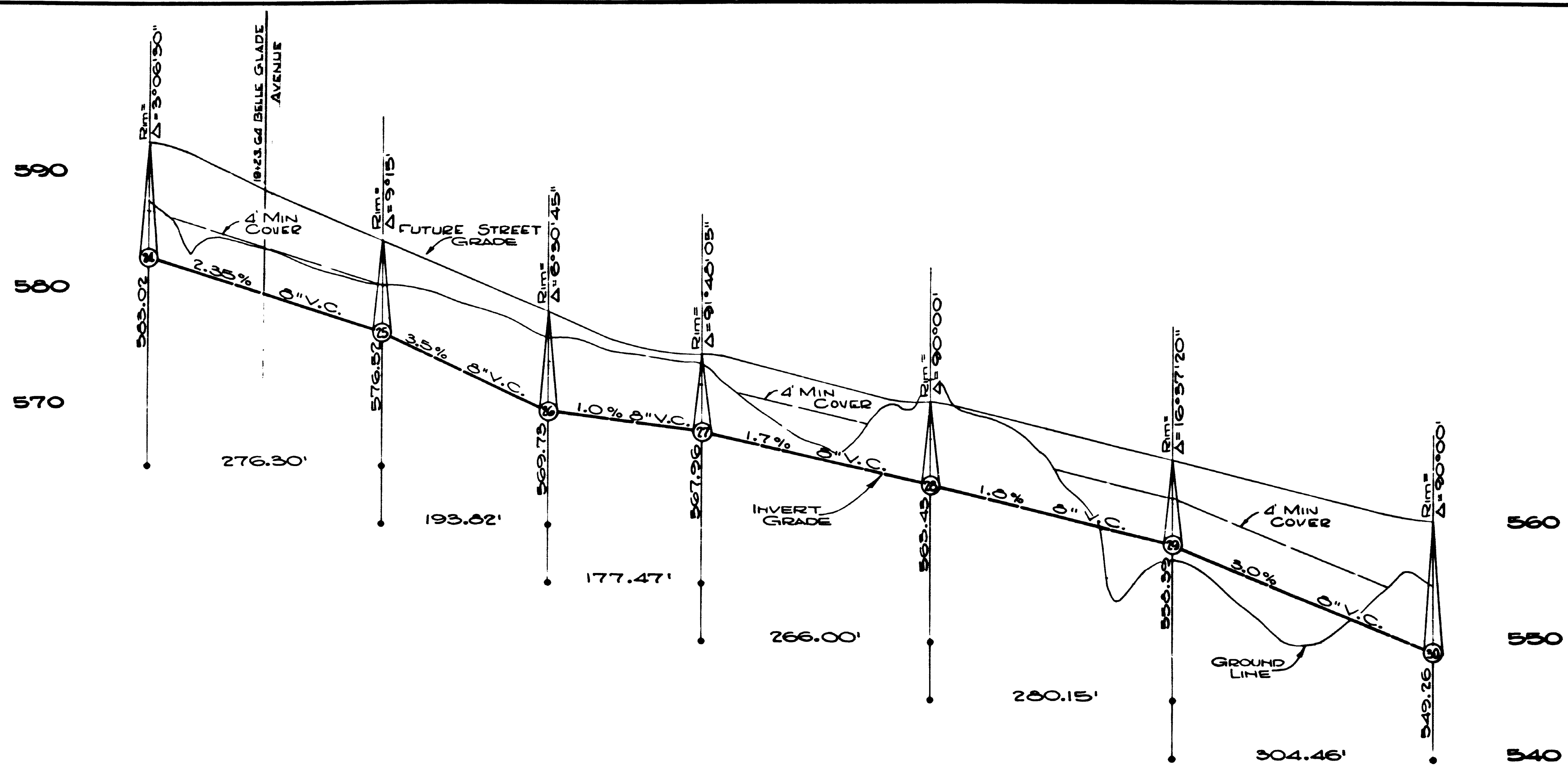
FOR CONTINUATION OF STREET SEE DWG 12656-3-D LAKE SHORE, UNIT #9

PRIVATE CONTRACT ENGINEER OF DESIGN
FRELAND & VANDERSON & CHRISTENSEN
Bill K. Bramble P.L.L.C.

LAKE SHORE UNIT # 4		CASSELBERRY WAY	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT SHEET 7 OF 17 SHEETS WO 76677			
CHANGE	PLAN REVISION	BY	DATE
AS BUILT	SEE SHEET 10-12		
APPROVALS FOR		APPROVALS FOR	
WATER DEPT.	SEWERAGE	PLANNING DEPT.	HIGHWAY
ELECTRICAL	GRADES	STRUCTURAL	CONTROL
OCTOBER 1982		OCTOBER 1982	
SITE STARTED		DATE COMPLETED	
CONTR. S. E. HAZARD		INSPECTION	
FIELD BOOK		TRAFFIC CONTROL	
DESIGNED		CHECKED	
10674-7-D		A-5084	

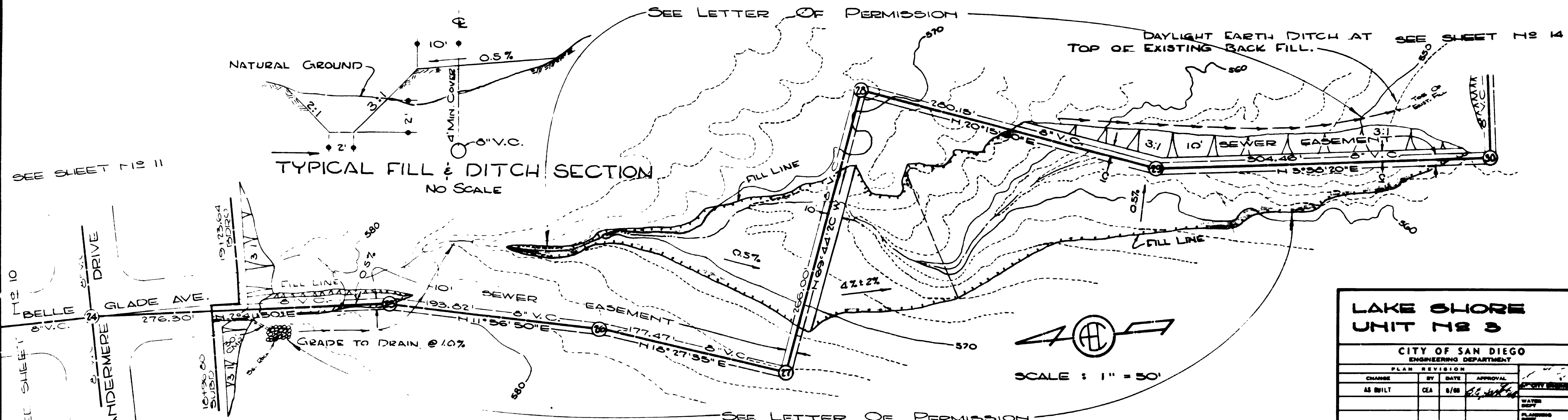
AS BUILT

A-5084



PROFILE OF OUTFALL SEWER
SCALE: HOR. 1"=60' VER. 1"=6'

B.M. CHISELED "D" ON WEST CURB OF TWIN LAKE OR AT S.W. CORNER OF LAKE COUNTRY UNIT #8 MAP # 4318 ELEV. 629.90 (CITC DATUM)



TYPICAL FILL & DITCH SECTION
NO SCALE

SCALE: 1"=50'

PRIVATE CONTRACT ENGINEER OF DESIGN

FREILAND, EVENSON & CHRISTENSEN

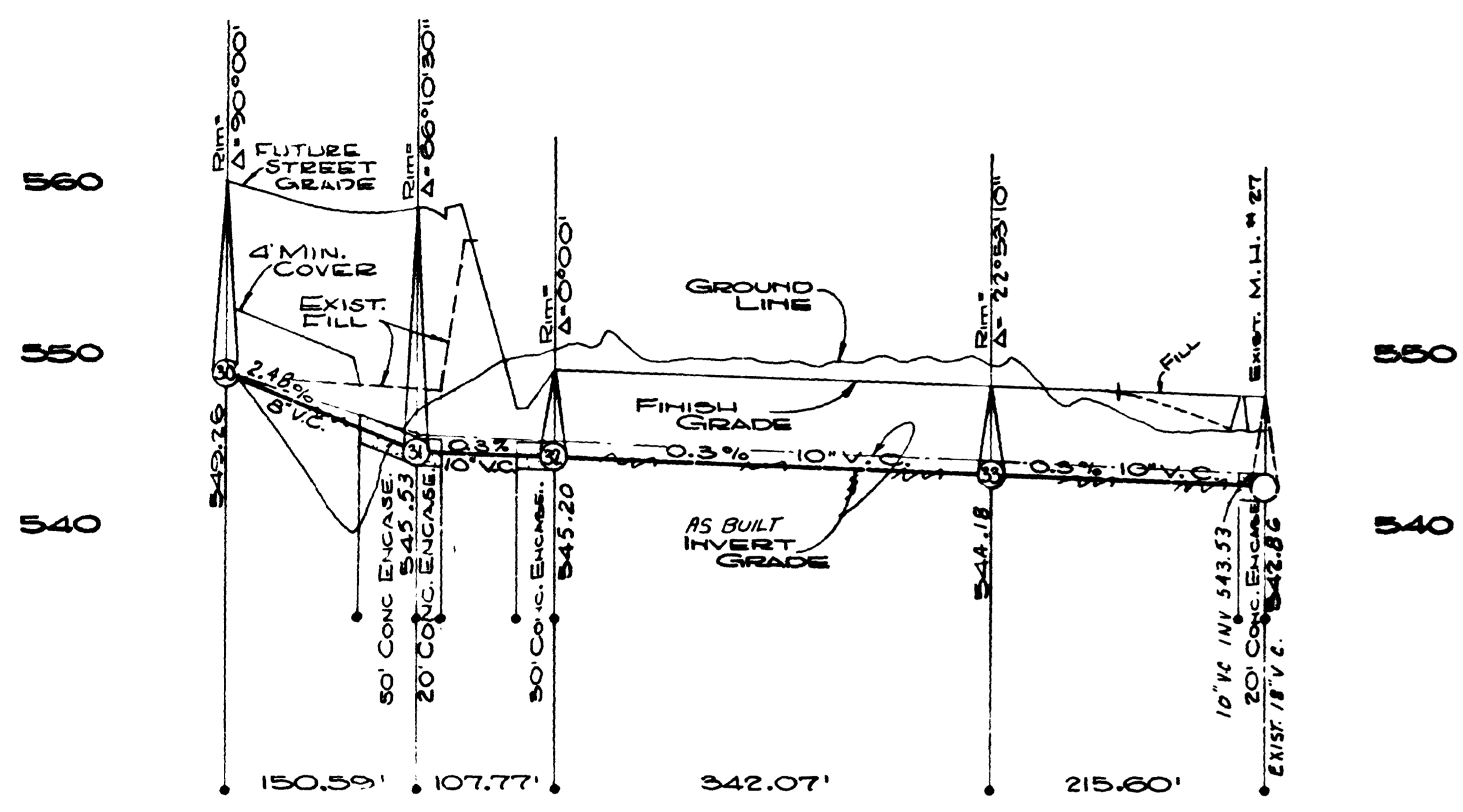
Bill K. Bramble R.C.E. 602

LAKE SHORE UNIT # 3				OUTFALL SEWER	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT				SHEET 13 OF 20 SHEETS	
PLAN REVISION				W.D. NO. 76654	
CHANGE	BY	DATE	APPROVAL	DATE	APPROVAL
AS BUILT	CEA	9/18	[Signature]	4-7-61	[Signature]
CONSTRUCTION RECORD			APPROVALS FOR		
JULY 12, 1962			ELECTRICAL		
MARCH 21, 1968			MECHANICAL		
E.L. HAZARD			CIVIL		
[Signature]			CITY ENGINEER AND OFFICE MANAGER		
FIELD BOOK			10601-13-D		

AS BUILT

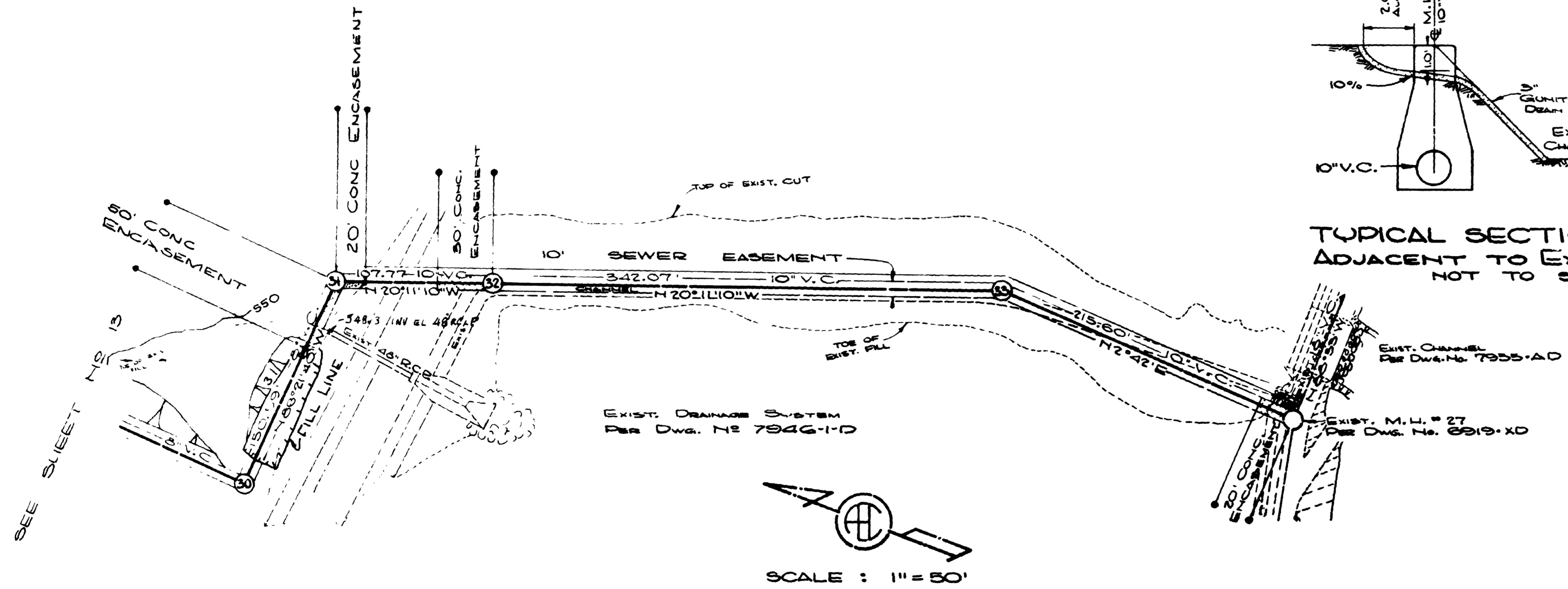
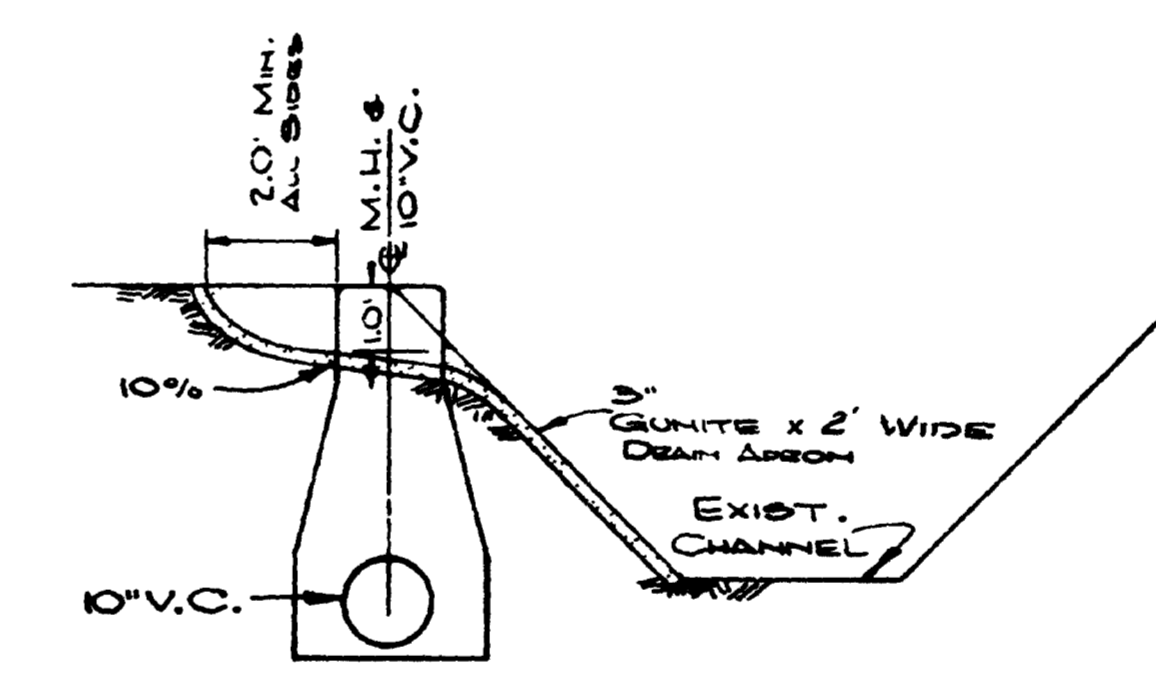
A-5083

MICROFILMED
JAN 1 1969



PROFILE OF OUTFALL SEWER
SCALE: HOR. 1" = 80' VER. 1" = 6'

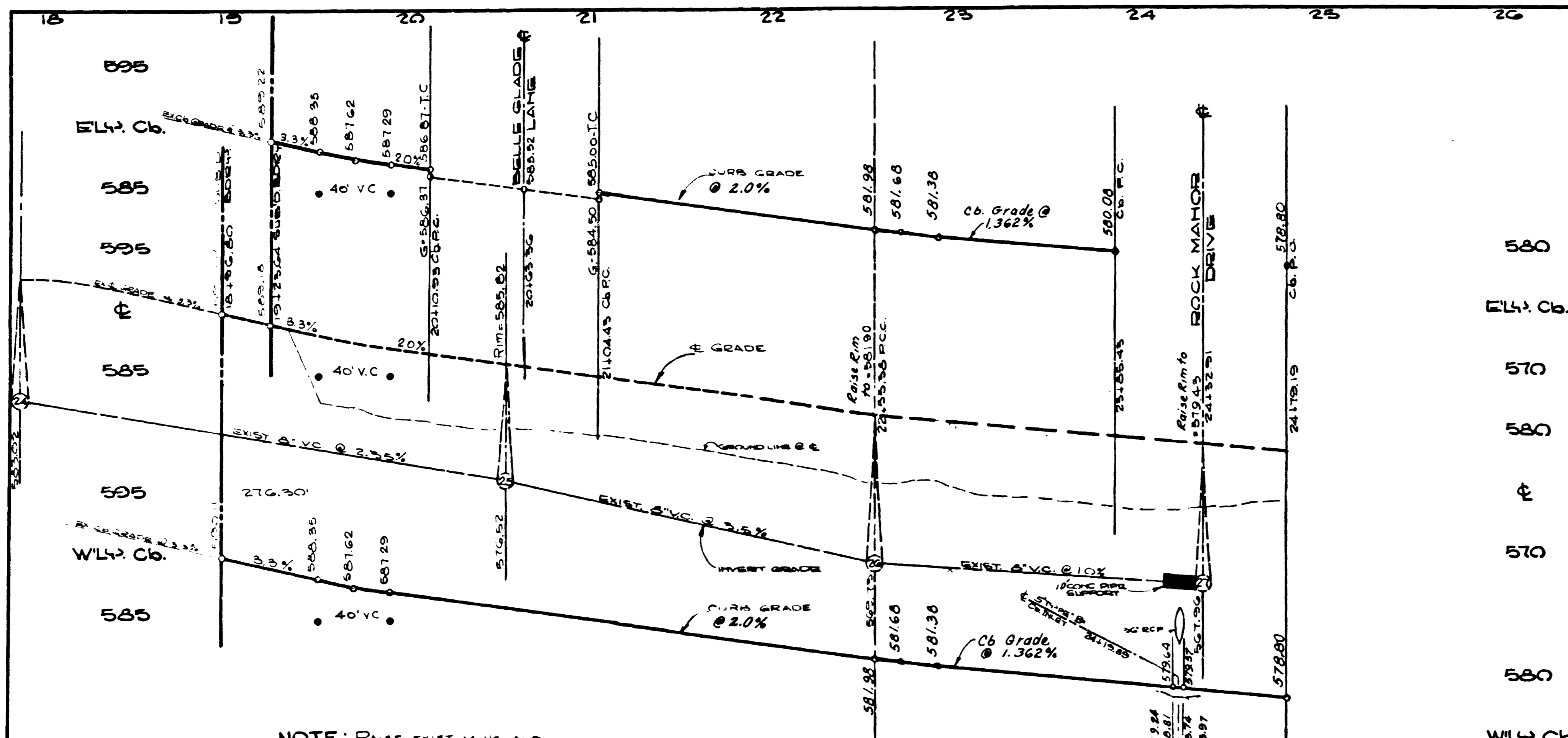
B.M.
CHISELED "O" ON WEST CURB
OF TWIN LAKE OR AT S.W.
COR. OF LAKE COUNTRY
UNIT #2 MAP 4515
ELEV. 629.90 (CITY DATUM)



PRIVATE CONTRACT
ENGINEER OF DESIGN
FRIELAND, EVERTSON & CHRISTENSEN
Bill K. Bramble, C.E. 002

LAKE SHORE UNIT #2 B		OUTFALL SEWER	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT			SHA 76654
PLAN REVISION			SHEET 14 OF 20 SHEETS
CHANGED BY	DATE	APPROVAL	REVISION
AS BUILT	2/24	R/W	4-7-61
APPROVALS FOR		APPROVALS FOR	
DESIGNER	CHECKER	ENGINEER	CONTRACTOR
DATE	DATE	DATE	DATE
JULY 13, 1960	MARCH 21, 1962		
CONTR. E.E. MAJORS	INSP. SEE SHEET 1	TRAFFIC	
FIELD BOOK			
			10601-14-D

MICROFILMED
JAN 10 1969
AS BUILT
MICROFILMED A:5083

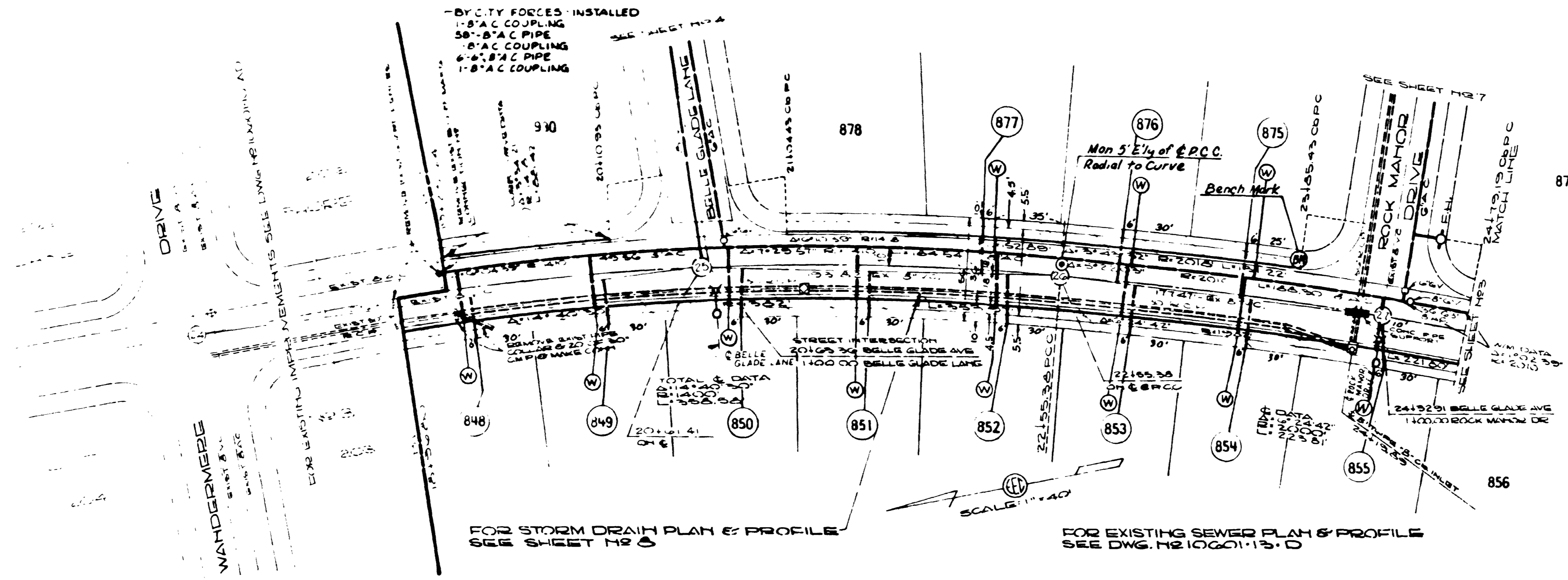


NOTE: RAISE EXIST. M.H.S. AND ADJUST RIMS TO ELEV. SHOWN.

PROFILE OF BELLE GLADE AVENUE

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

BENCH MARK:
CHISELED "D" ON WEST CURB OF TWIN LAKE DR.
AT S.W. CORNER OF LAKE COUNTRY, UNIT NO. 1.
MAP H-24315
ELEV. 625.80 (CITY DATUM) ADD 61/2" TO ABOVE
ELEV'S TO OBTAIN M.S.L. DATUM)



FOR STORM DRAIN PLAN & PROFILE SEE SHEET H-2

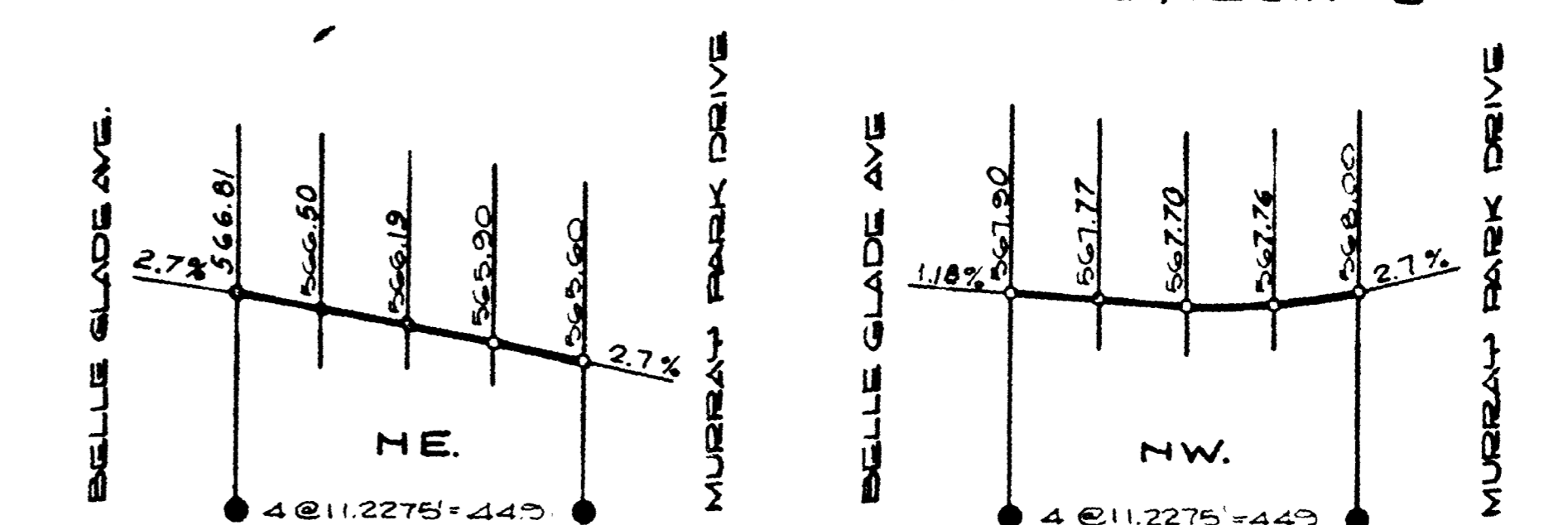
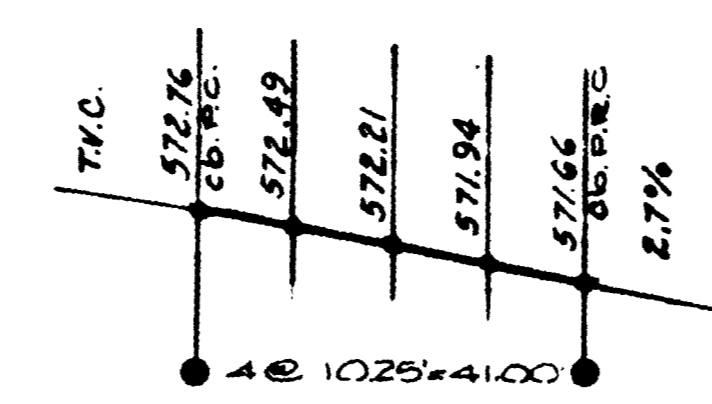
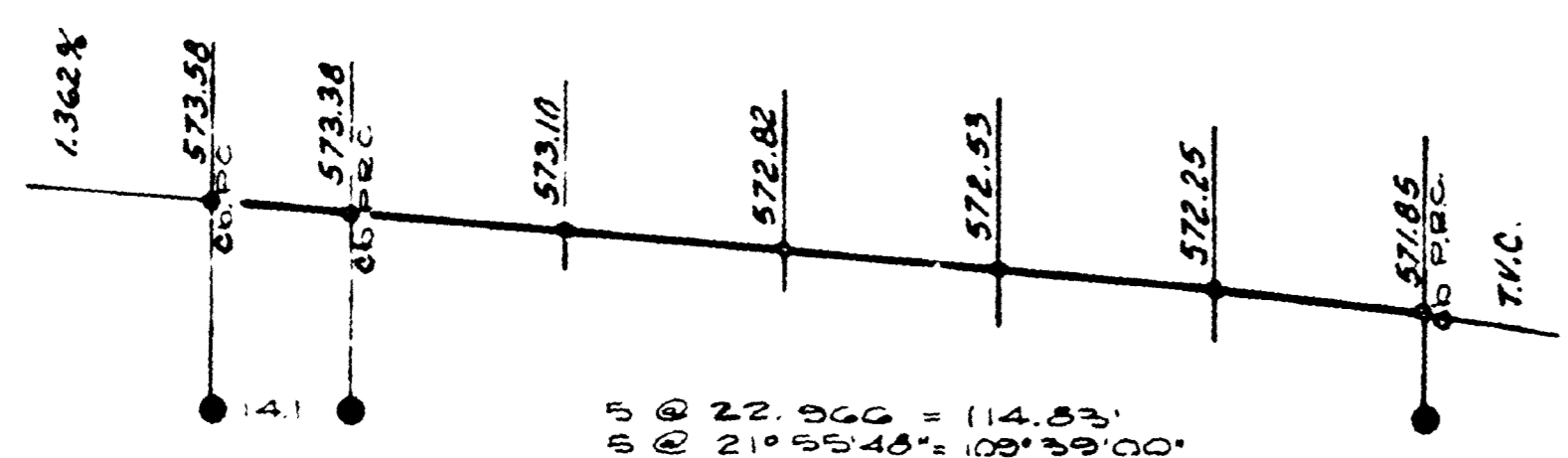
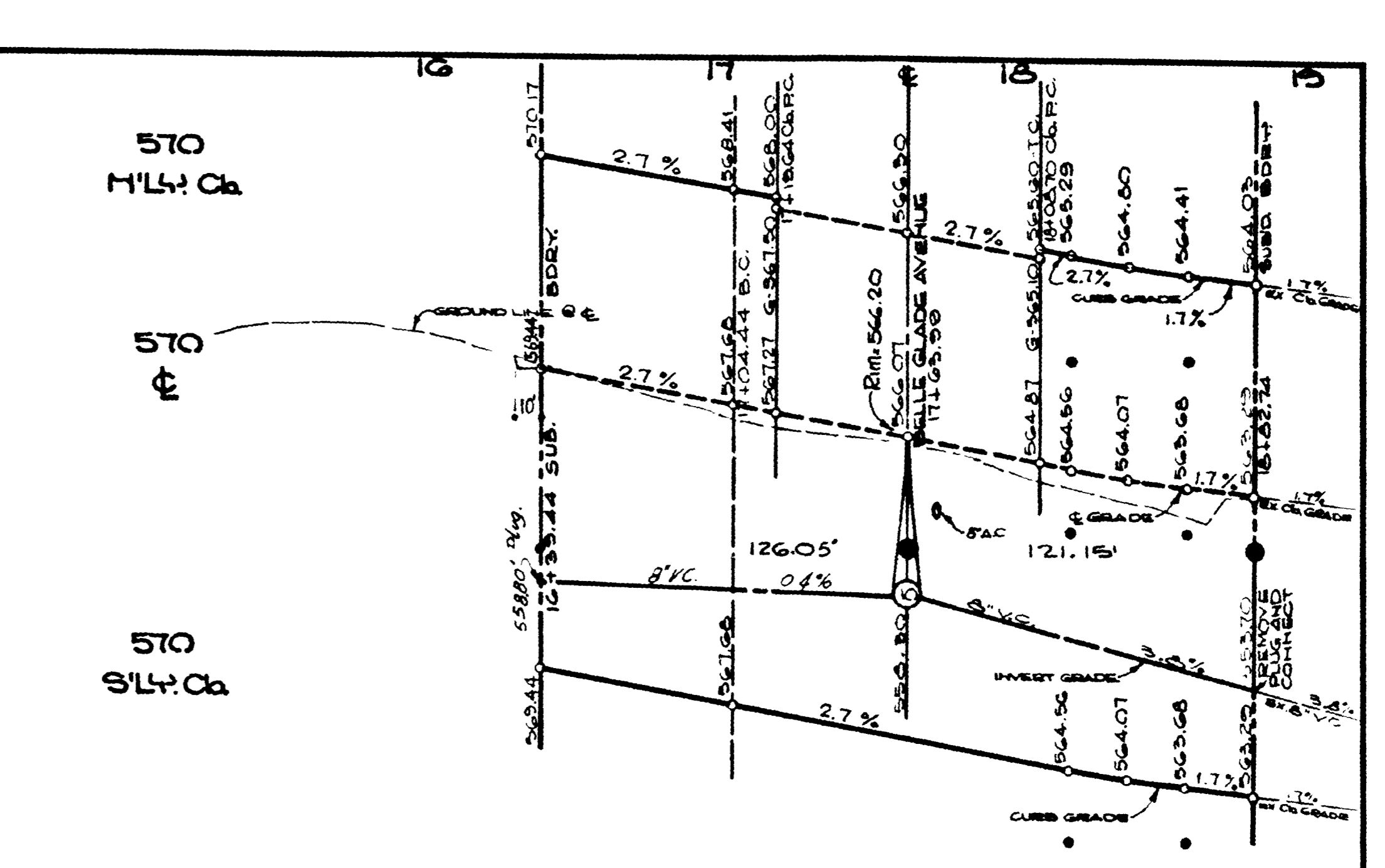
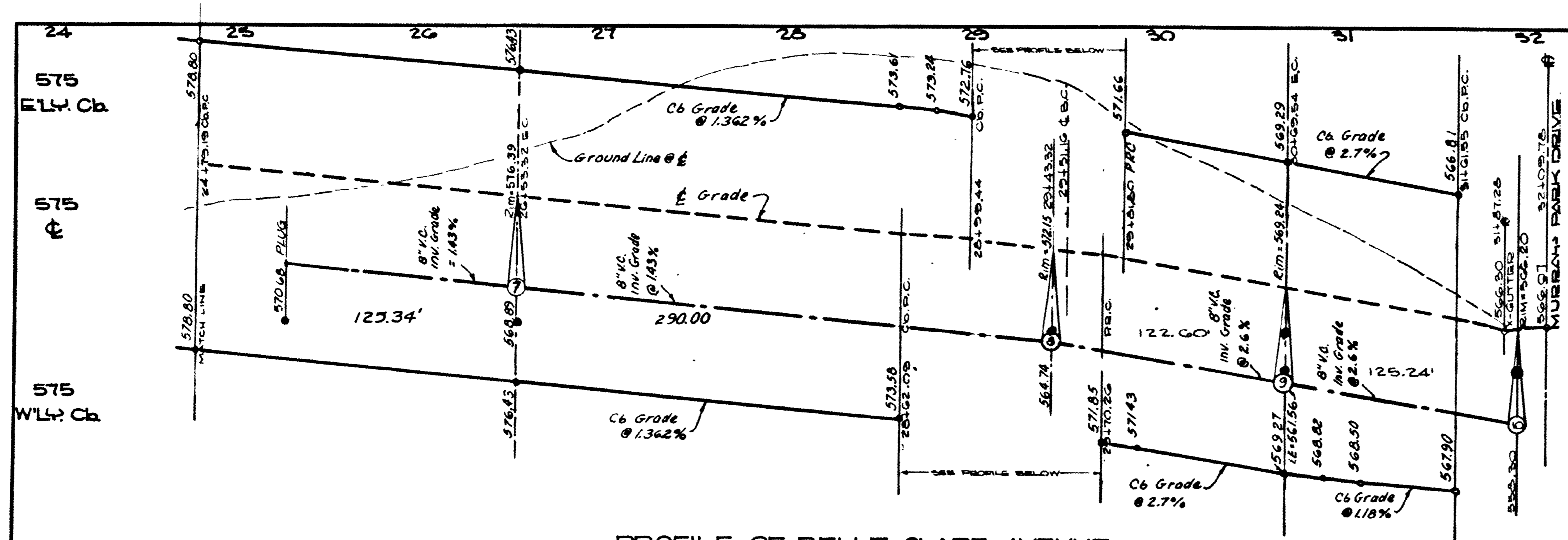
FOR EXISTING SEWER PLAN & PROFILE SEE DWG. H-210601-13-D

BELLE GLADE AVENUE

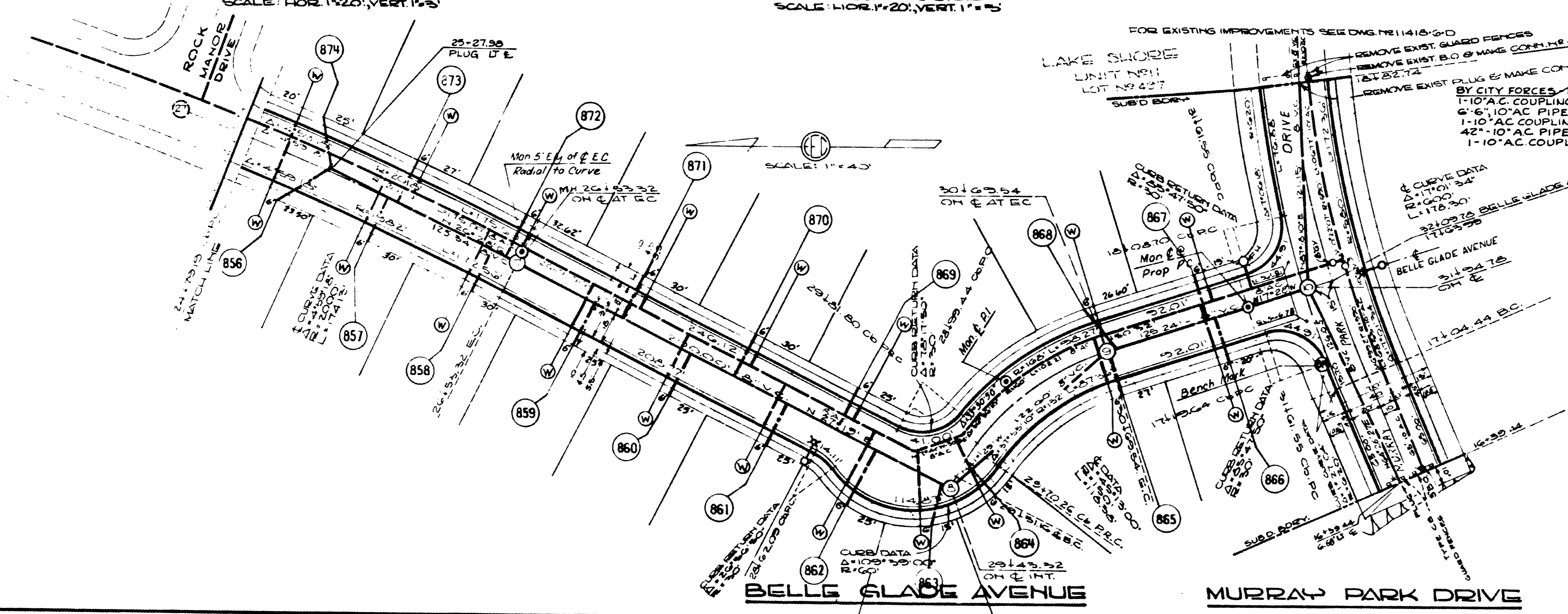
PRIVATE CONTRACT: ENGINEER OF DESIGN: *Will K. Bramli*

LAKE SHORE UNIT #10		BELLE GLADE AVENUE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 2 OF 10 SHEETS	
W.D. NO. 77038		DATE: 3-21-69	
CHANGE	BY	DATE	APPROVAL
AS BUILT	CNCRA	8-17-69	<i>[Signature]</i>
CONSTRUCTION RECORD		APPROVALS FOR	
DATE STARTED	APRIL 1967	WATER	SEWERAGE
DATE COMPLETED	3-21-69	PLANNING	DRAINAGE
CONTR.	CLA-JOHN	ELECTRICAL	HIGHWAY
INSPECTION	IRBP BIRDSELL	STRUCTURAL	GRADES
FIELD BOOK	228-1755	TRAFFIC	CONTR.
			114172-D

AS BUILT



BENCH MARK:
CURB 10' ON WEST CURB OF TWIN LAKE OR AT SW CORNER OF LAKE COUNTY, UNIT #11. ELEV. 628.90 (+14' DATUM). ADD 0.12' TO ABOVE ELEV'S TO OBTAIN W.M. DATUM.



PRIVATE CONTRACT: ENGINEER OF DESIGN: *Bill K. Bramble*

LAKE SHORE UNIT #10 **BELLE GLADE AVENUE & MURRAY PARK DRIVE**

CITY OF SAN DIEGO ENGINEERING DEPARTMENT SHEET 3 OF 10 SHEETS W.O. NO. 77038

CHANGE	BY	DATE	APPROVAL	APPROVED FOR
AS BUILT	CMG/A	8-15-69	<i>[Signature]</i>	<i>[Signature]</i>

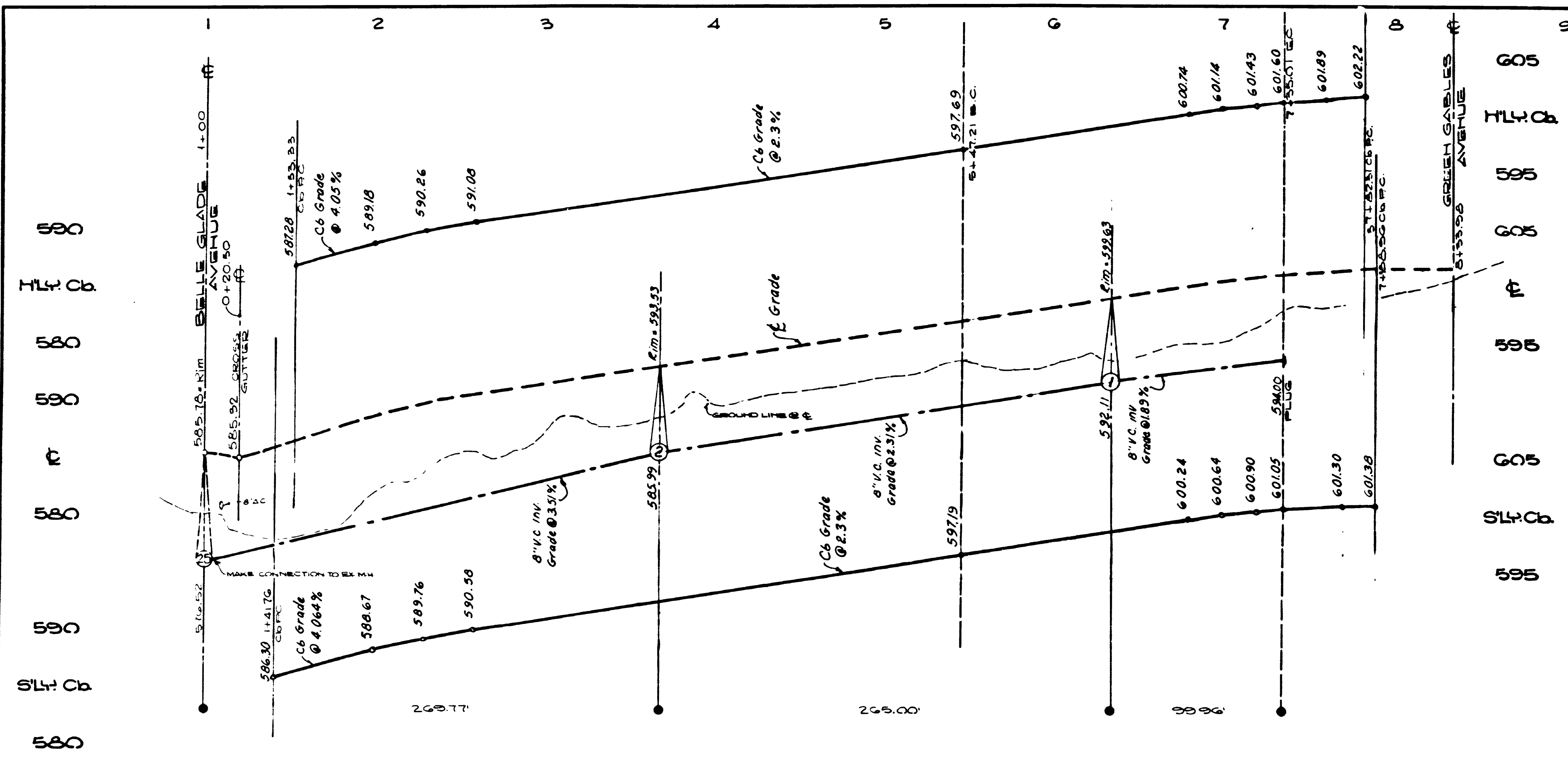
CONSTRUCTION RECORD	DATE	BY
APRIL 1967	3-21-69	<i>[Signature]</i>

CONTR. *CLA-John* INSP. *BIRDSELL* CONTROL. *[Signature]*

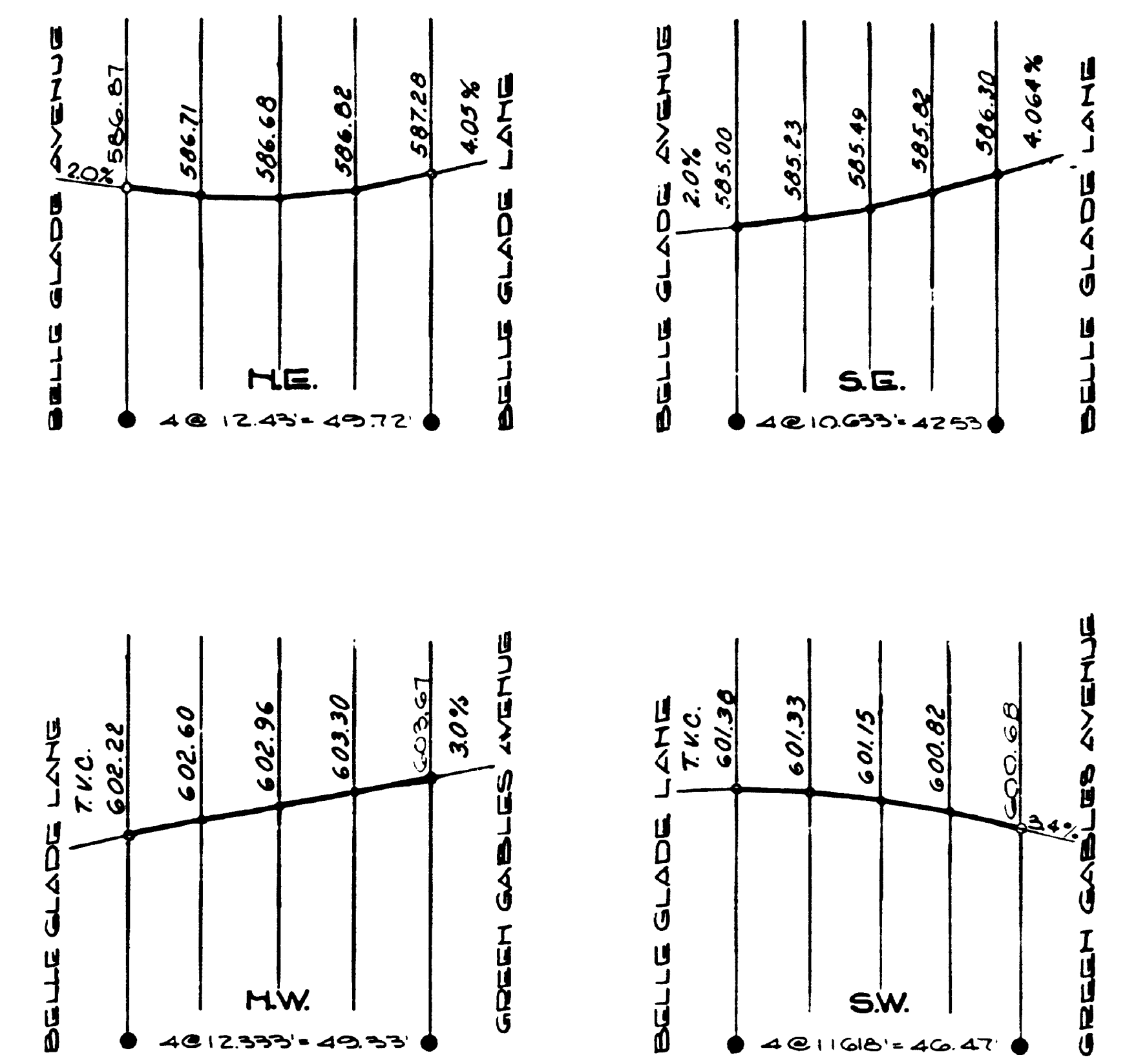
FIELD BOOK 228-1755

114173 D

AS BUILT

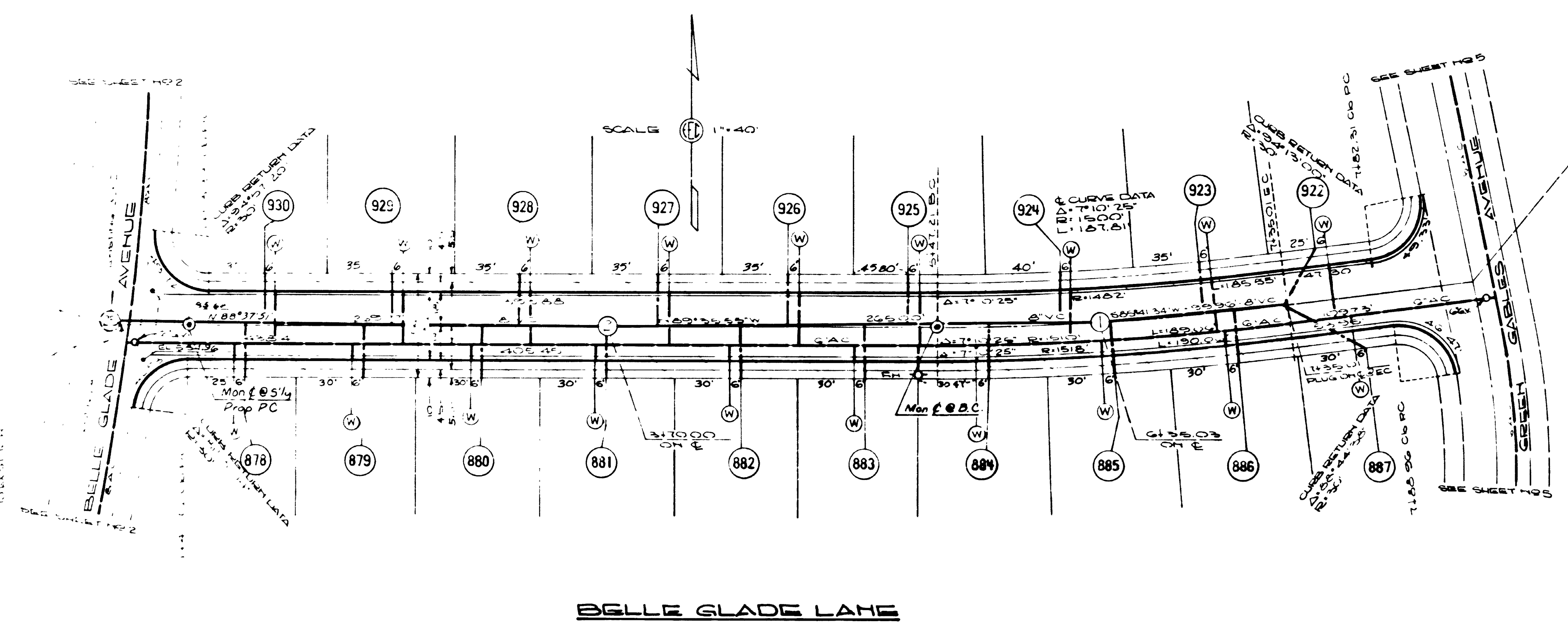


PROFILE OF BELLE GLADE LANE
SCALE: HOR. 1"=40', VERT. 1"=6'



CURB RETURNS
SCALE: HOR. 1"=20', VERT. 1"=3'

BENCH MARK:
CHISELED 10" ON WEST CURB OF TWIN LAKE DR
AT S/L+150' OF LAKE COUNTY, UNIT NO. 1,
MAP NO. 4316
ELEV. 628.90 (CITY DATUM) (ADD 6.12' TO ABOVE
ELEV'S TO OBTAIN M.S.L. DATUM)



BELLE GLADE LANE

PRIVATE CONTRACT: *WILLIAMSON ENGINEERING*
ENGINEER OF DESIGN: *William Drumbly*

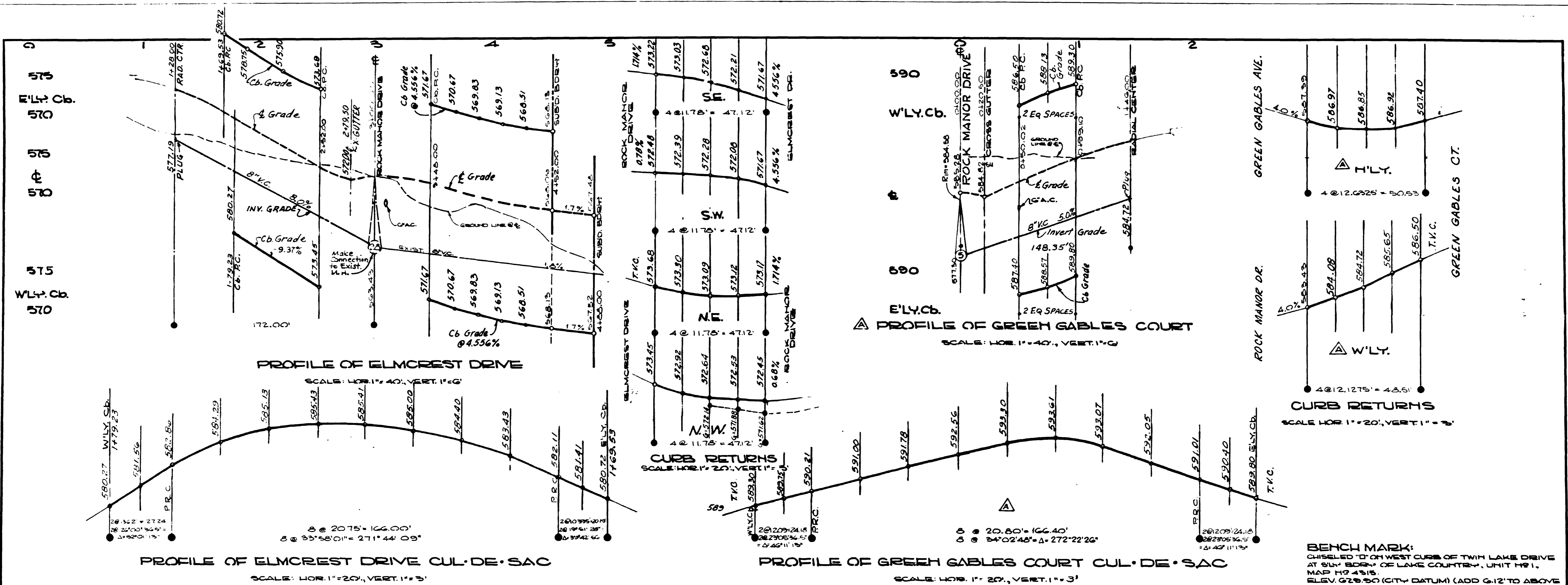
LAKE SHORE UNIT NO. 10 BELLE GLADE LANE

CITY OF SAN DIEGO ENGINEERING DEPARTMENT SHEET 4 OF 10 SHEETS W.D. NO. 77038

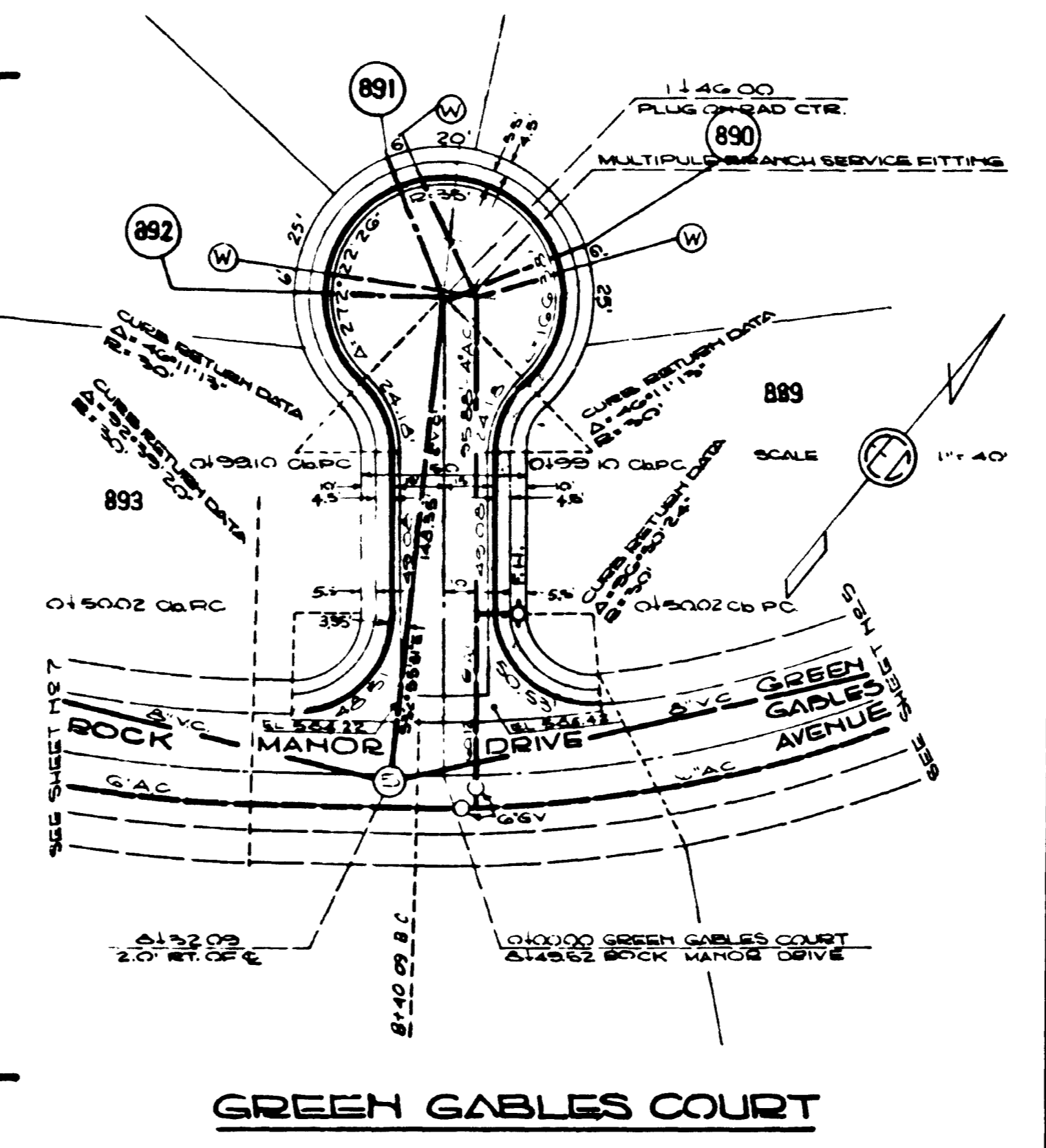
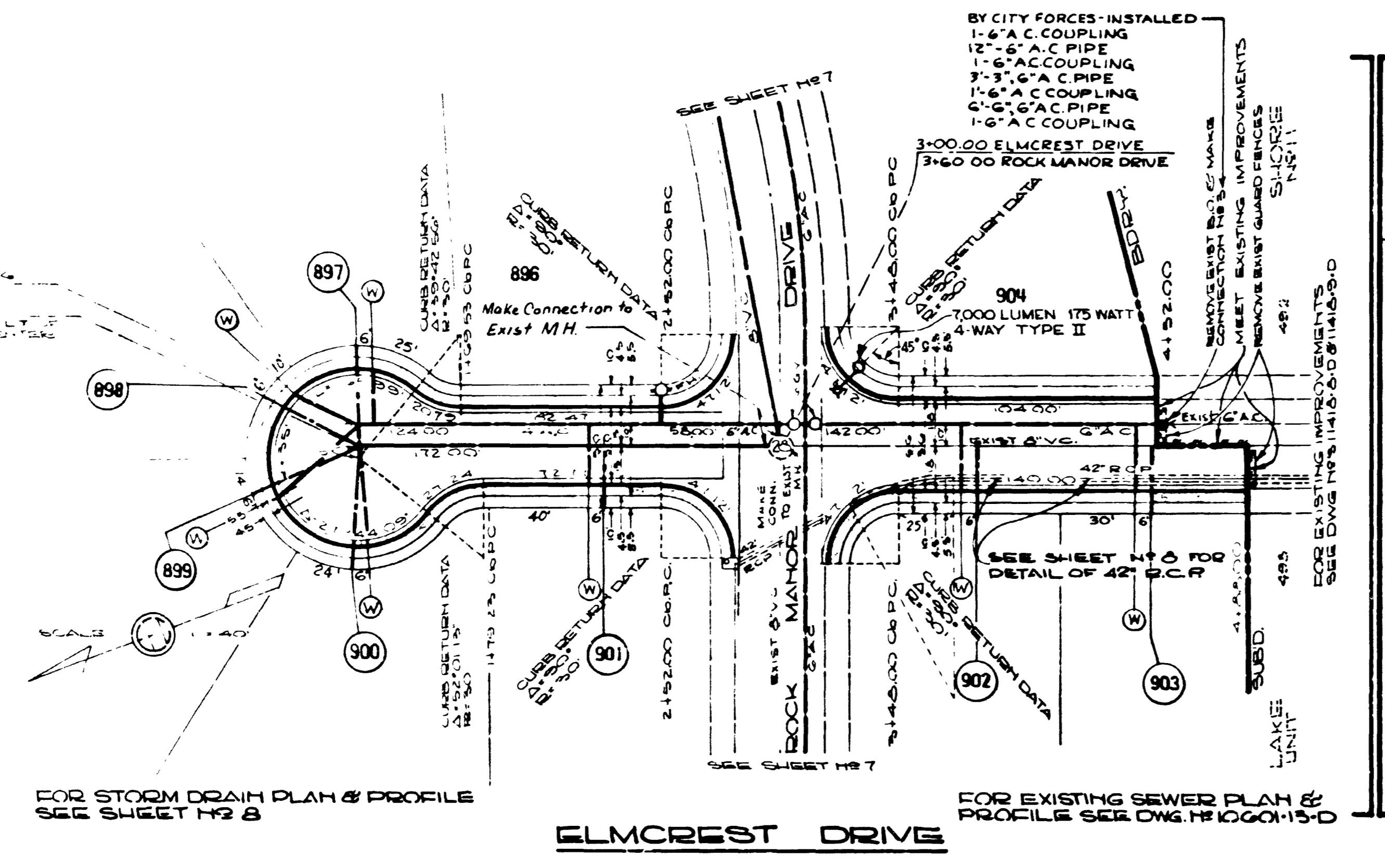
PLAN REVISION			APPROVALS FOR		SUPERVISOR
CHANGE	BY	DATE	DESIGN ENGINEER	DATE	
AS BUILT CIRCULAR	ESB	2-21-67	<i>[Signature]</i>	2-21-67	
CONSTRUCTION RECORD			APPROVALS FOR		CHECKED
DATE STARTED	DATE COMPLETED		ELECTRICAL	ROADWAY	
APRIL 1967	3-21-67		STRUCTURAL	GRADES	
CONTR. <i>CLA-JOHN</i>	INSP. <i>BIRDSELL</i>		TRAFFIC	CONTROL	
FIELD BOOK 228-1755					DESIGNED <i>[Signature]</i>

DESIGNED: 114174-D
A-5360

AS BUILT



BENCH MARK:
CHISELED 'D' ON WEST CURB OF TWIN LAKE DRIVE AT S.W. CORNER OF LAKE COUNTRY, UNIT #91, MAP #047815. ELEV. 628.80 (CITY DATUM) (ADD 6.12' TO ABOVE ELEV'S TO OBTAIN M.S.L. DATUM)

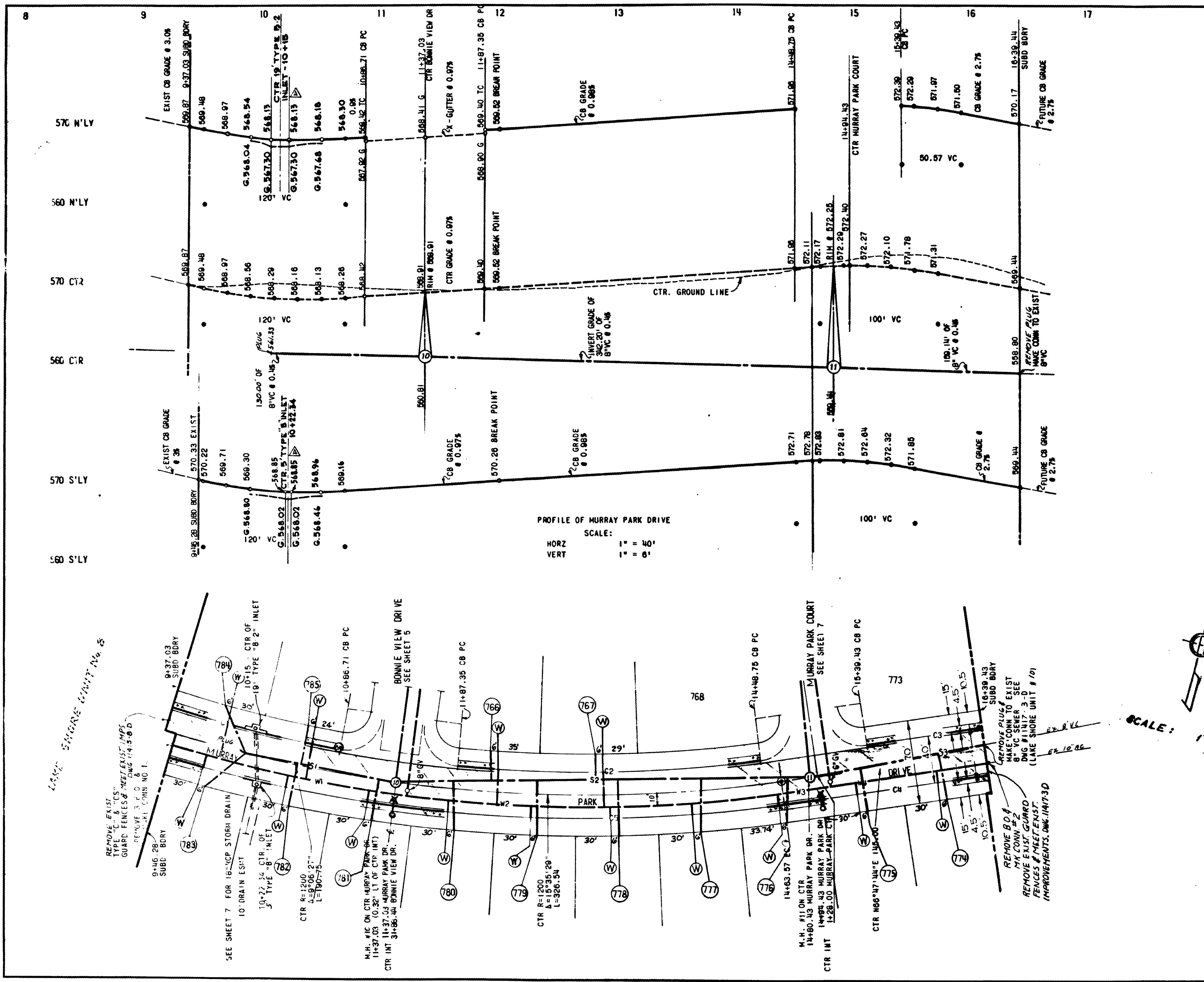


PRIVATE CONTRACT: ENGINEER OF DESIGN: *Bill K. Drankowski*

EGGSLAND, EVENSEN & CHRISTENSEN

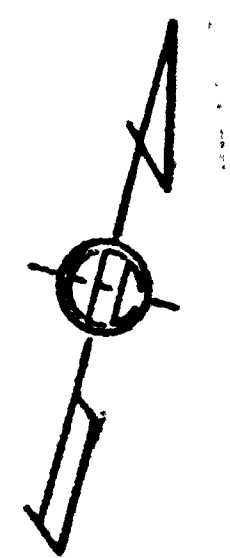
LAKE SHORE UNIT #910		ELMCREST DRIVE & GREEN GABLES COURT	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 6 OF 10 SHEETS	
PLAN REVISION		W.D. No. 77038	
CHANGE	BY DATE	APPROVAL	DATE
AS BUILT CANCEL	3-21-69	<i>[Signature]</i>	3-21-69
CONSTRUCTION RECORD		APPROVALS FOR	
DATE STARTED	DATE COMPLETED	SEWERAGE	HIGHWAY
APRIL 1967	3-21-69	PLANNING DEPT.	GRADES
CONTR. #	INSR. #	TRAFFIC	CONTROL
CLA-JOHN	BROSELL		
FIELD BOOK	228-1755		
		114176	D

AS BUILT



PROFILE OF MURRAY PARK DRIVE
SCALE:
HORIZ 1" = 40'
VERT 1" = 6'

NUMBER	TYPE	RADIUS	DELTA OR BEARING	LENGTH	TOTAL LENGTH OR AREA
C1	6" TYPE "G" CB.	1180	7°08'48"	147.10	
C2		1180	12°28'52"	257.05	
C3			N66°47'44"E	100.00	
C4			N66°47'44"E	175.86	
C5	6" TYPE "G" CB.	1220	24°41'56"	525.91	1,206.01
SIDEWALK					4,824 SQ. FT.
SCHEDULE "B" PAVING					25,817 SQ. FT.
W1	10" AC	1210	9°34'52"	202.34	
W2		1210	15°07'04"	319.26	
W3			N66°47'44"E	40.66	
W4	10" AC		N66°47'44"E	135.00	697.46
S1	8" VC		N85°24'12"E	130.00	
S2			N74°18'47"E	142.20	
S3	8" VC		N64°25'27"E	159.11	631.34

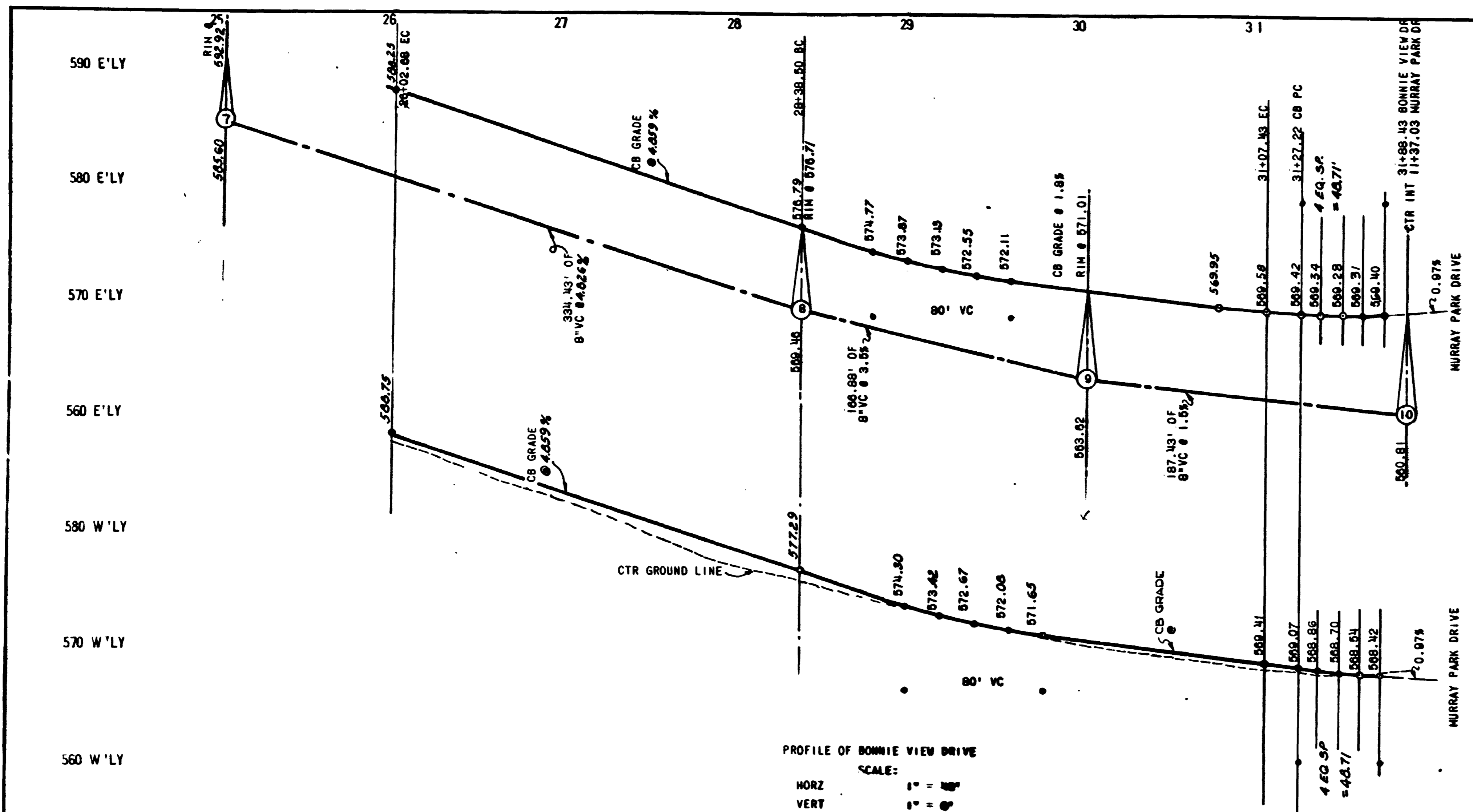


B.M.
NE BP WANDERMERE DRIVE and
BELLE GLADE AVENUE.
Elev. 593.24 City Datum Add 6.12' to
elevations shown to obtain M.S.L. Datum.

PRIVATE CONTRACT
ENGINEER OF DESIGN
FREELAND - EVENSON & CHRISTENSEN
Bill K Bramble P.E. 8102

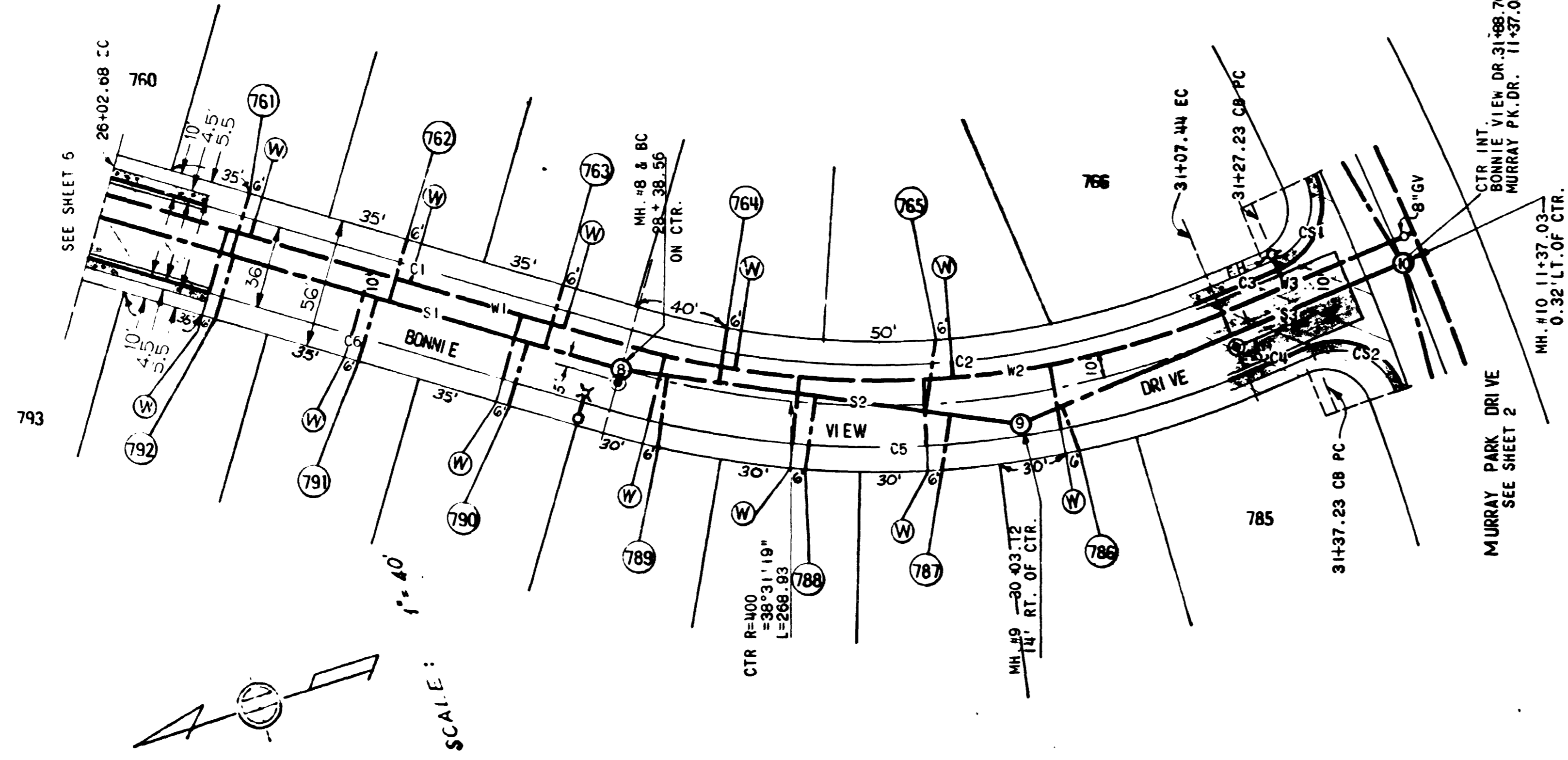
MURRAY PARK DRIVE	
LAKE SHORE UNIT NO 9	
CITY OF SAN DIEGO, CALIFORNIA	
ENGINEERING DEPARTMENT	NO. 77.98
SHEET 2 OF 10 SHEETS	
DESIGNED BY: <i>Bill K Bramble</i>	DATE: <i>10-67</i>
APPROVED BY: <i>[Signature]</i>	DATE: <i>10-67</i>
CONTRACT NO. <i>58-64</i>	DATE STARTED: <i>8-27-67</i>
INSPECTOR: <i>RABUIS</i>	DATE COMPLETED: <i>9-27-67</i>
	12-56-2 -D

AS BUILT



PROFILE OF BONNIE VIEW DRIVE
 SCALE:
 HORZ 1" = 40'
 VERT 1" = 4'

NUMBER	TYPE	RADIUS	DELTA OR BEARING	LENGTH	TOTAL LENGTH OR AREA
C1	6" TYPE "G" CB		N30°54'32"E	235.82	
2		382	38°31'19"	256.83	
3			N 7°36'47"W	29.79	
4			N 7°36'47"W	29.79	
5		418	38°31'19"	281.04	
C6	6" TYPE "G" CB		N30°54'32"E	235.82	
					1,069.09
CS1	6" STD. CB.	30.20	92°24'10"	48.71	
CS2	6" STD. CB.	30.20	92°24'09"	48.71	
					97.42
SIDEWALK					4,666 SQ. FT.
SCHEDULE "B" PAVING					18,408 SQ. FT.
5" PCC X-GUTTER					880 SQ. FT.
W1	8" AC		N30°54'32"E	235.82	
2		390	38°31'19"	262.21	
W3	8" AC		N 7°36'47"W	90.96	
					588.99
S1	8" VC		N30°54'32"E	334.43	
2			S23°49'48"W	166.88	
S3	8" VC		N 7°36'47"	187.43	
					688.74



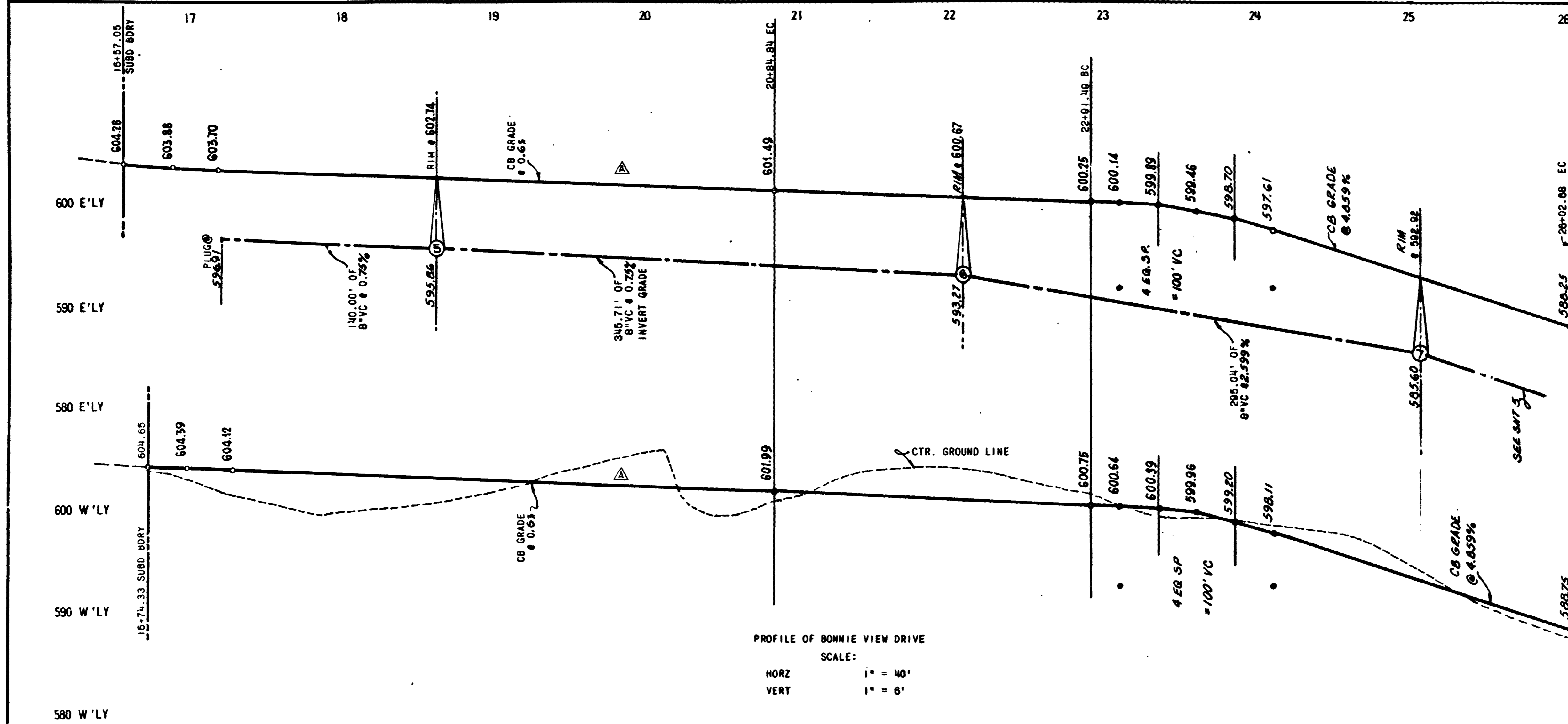
B.M.
 NE BP WANDERERE DRIVE and
 BELLE GLADE AVENUE
 Elev 593.24 City Datum Add 6 1/2" h.
 elevations shown to obtain M.S.L. Datum

PRIVATE CONTRACT
 ENGINEER OF DESIGN
 ERELAND · EVENSON & CHRISTENSEN

Bill K. Bramble R.C.E. 0102

BONNIE VIEW DRIVE	
LAKE SHORE UNIT NO 9	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 5 OF 10 SHEETS	
W.O. NO. 77198	NO. 77198
DESCRIPTION	DATE
AS BUILT	3-23-62
CONTRACTOR: CLAYTON	DATE STARTED: 2-27-62
INSPECTOR: PASULIS	DATE COMPLETED: 3-23-62
228-1752	12656-5 -D

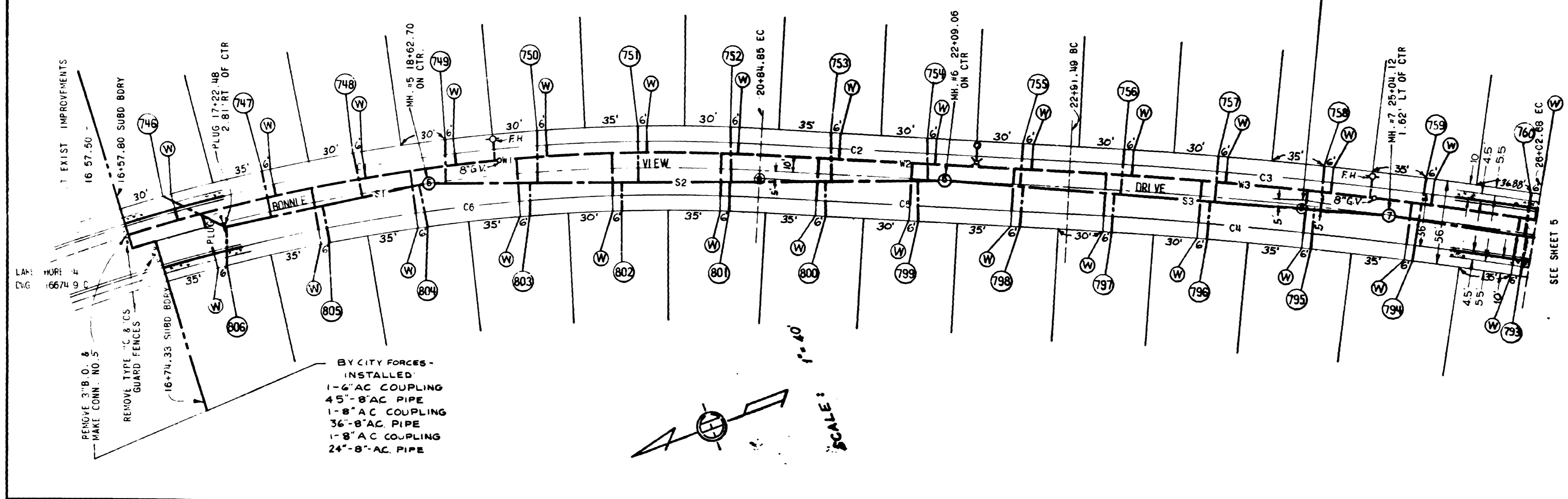
AS BUILT



NUMBER	TYPE	RADIUS	DELTA OR BEARING	LENGTH	TOTAL LENGTH OR AREA
C1	6" TYPE "G" CB	1218	20°25'33"	434.21	1,874.24
2			N24°57'57"E	206.65	
3		3018	5°56'35"	313.05	
4		2982	5°56'35"	309.32	
5			N24°57'57"E	206.65	
C6	6" TYPE "G" CB	1182	19°36'03"	404.36	
SIDEWALK					7,407 SQ. FT.
SCHEDULE "B" PAVING					30,921 SQ. FT.
W1	8" AC	1210	20°25'33"	431.36	950.23
2			N24°57'57"E	206.65	
W3	8" AC	3010	5°56'35"	312.22	
S1	8" VC		S 9°51'43"W	140.00	780.75
2			N21°33'56"E	345.71	
S3	8" VC		N26°06'52"E	295.04	

PROFILE OF BONNIE VIEW DRIVE
SCALE:
HORZ 1" = 40'
VERT 1" = 6'

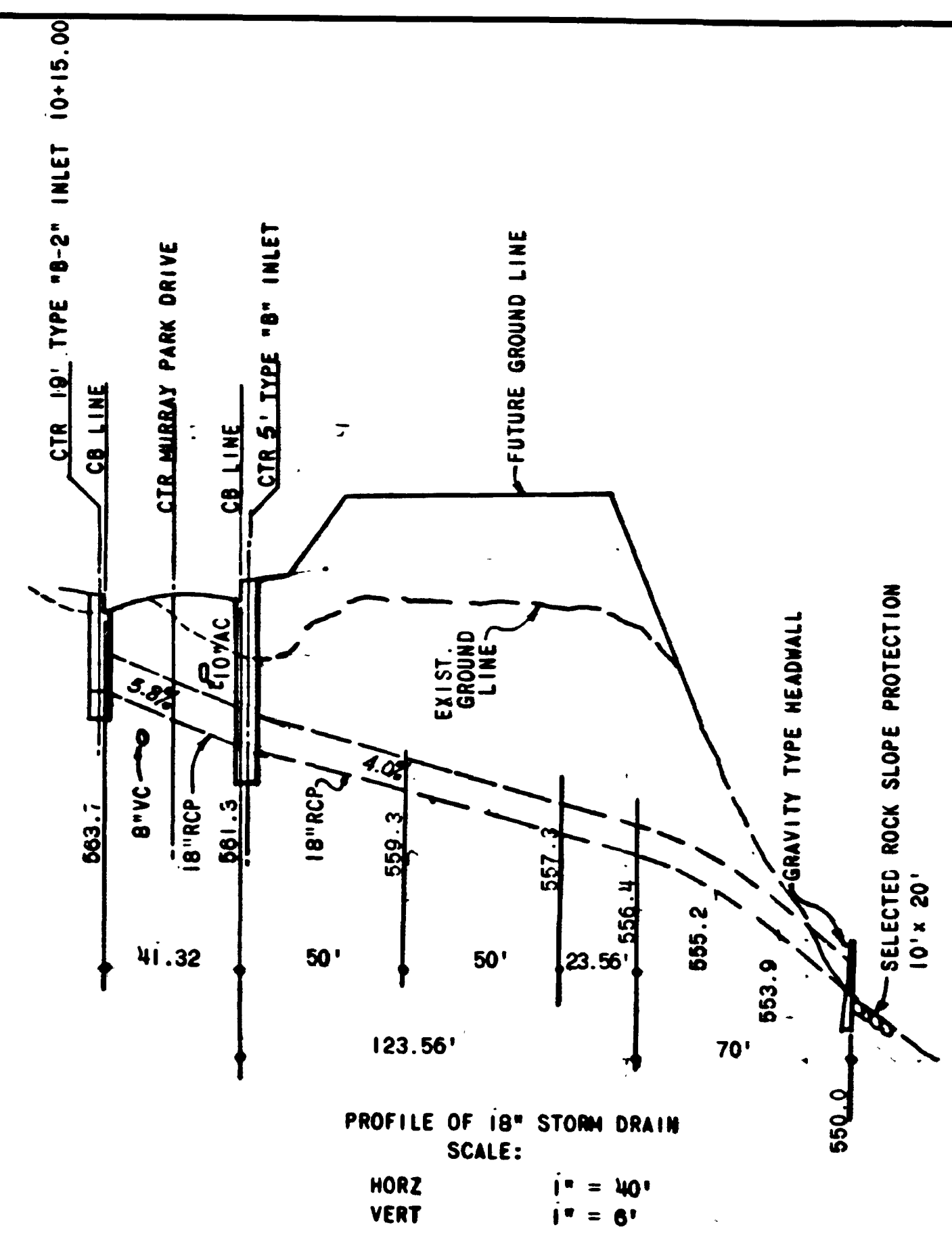
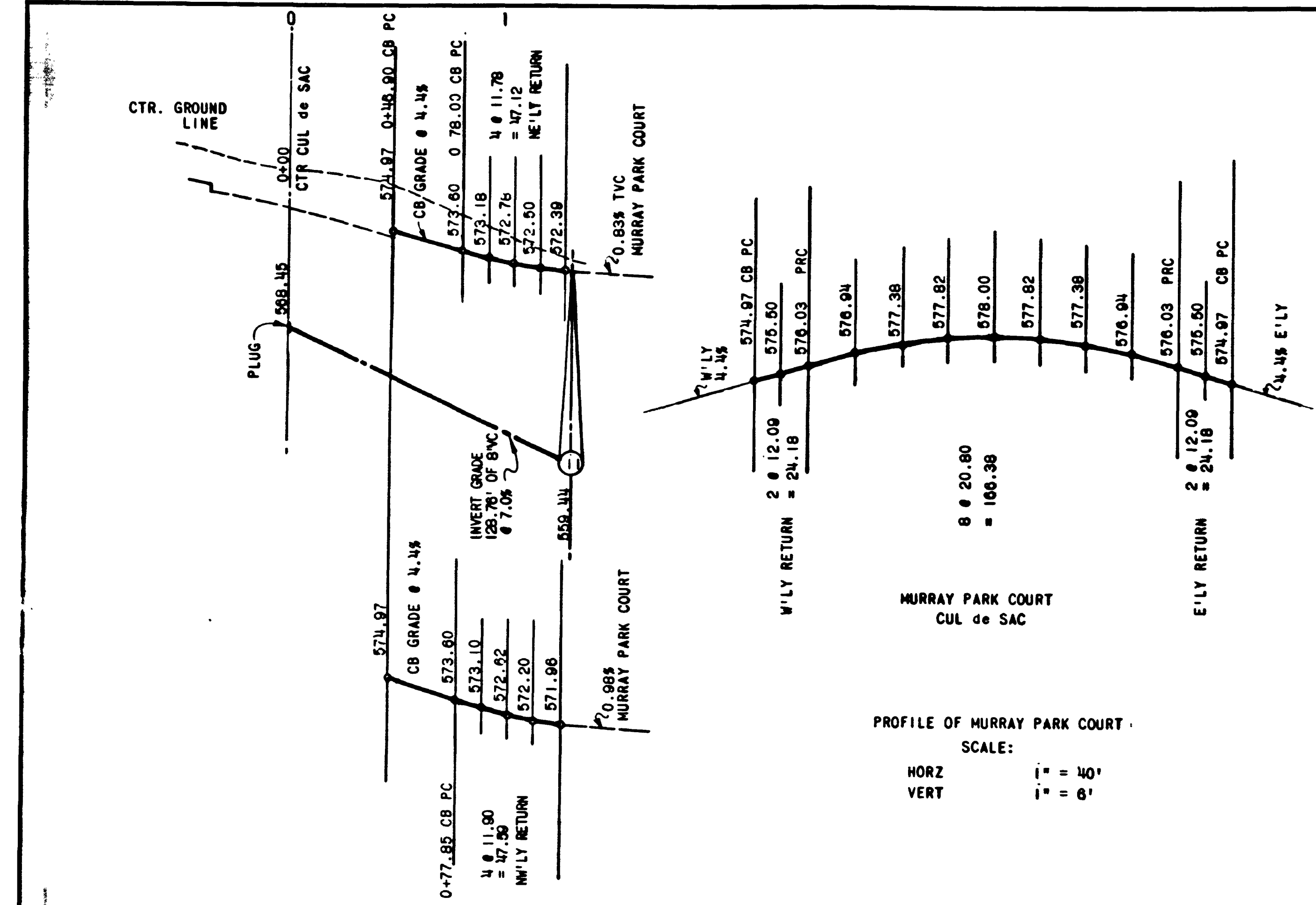
B.M.
NEAR WANDERMERE DRIVE and
BELLE GLADE AVENUE
Elev. 593.24 City Datum Add 6.12' to
elevations shown to obtain MSL Datum



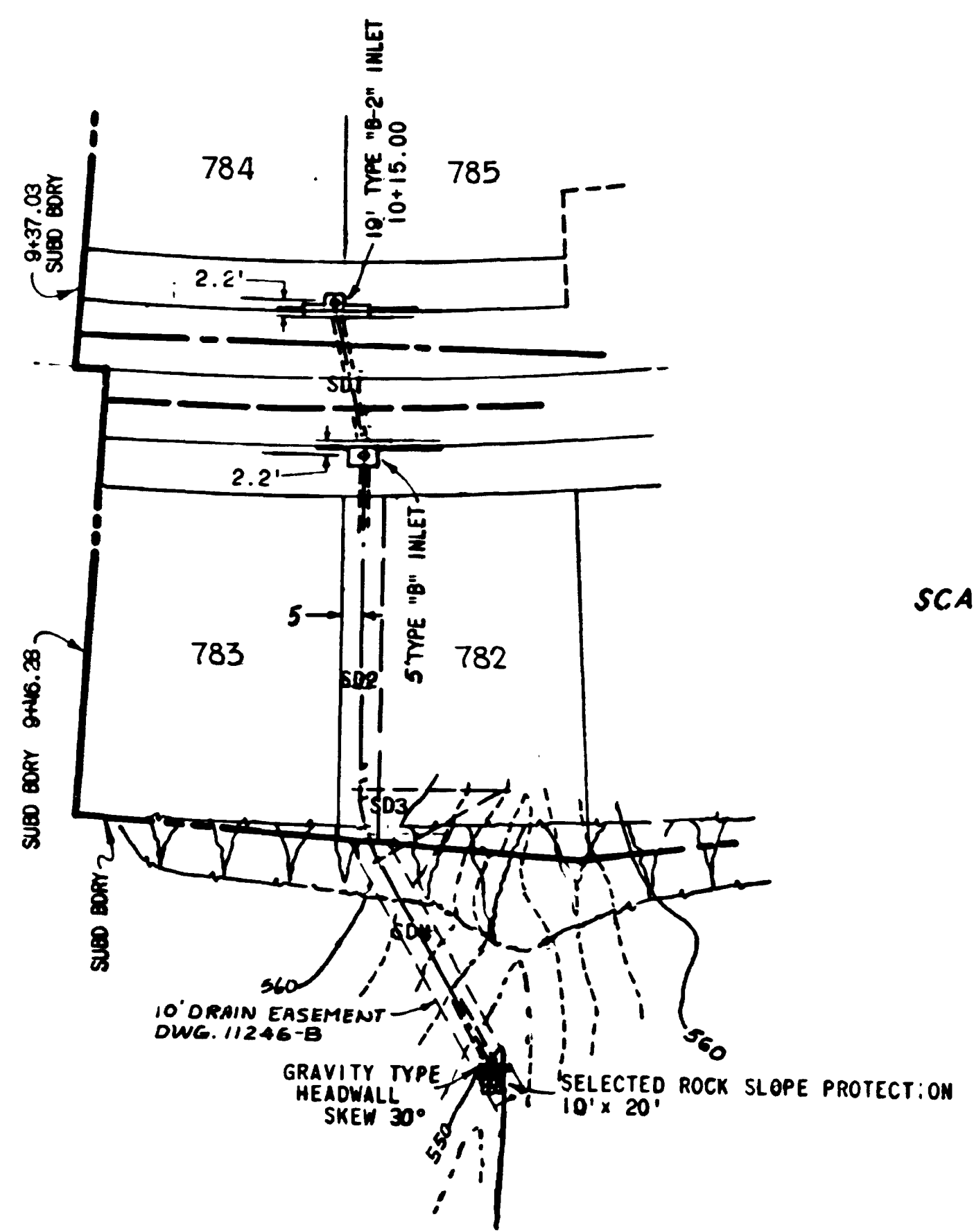
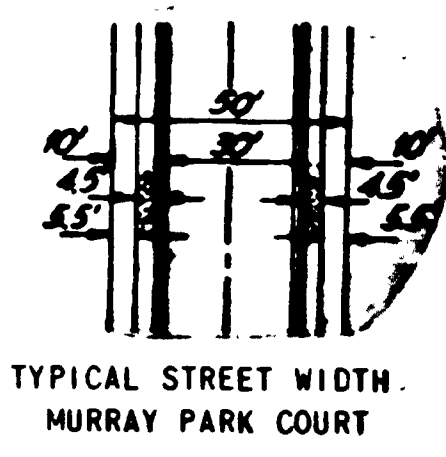
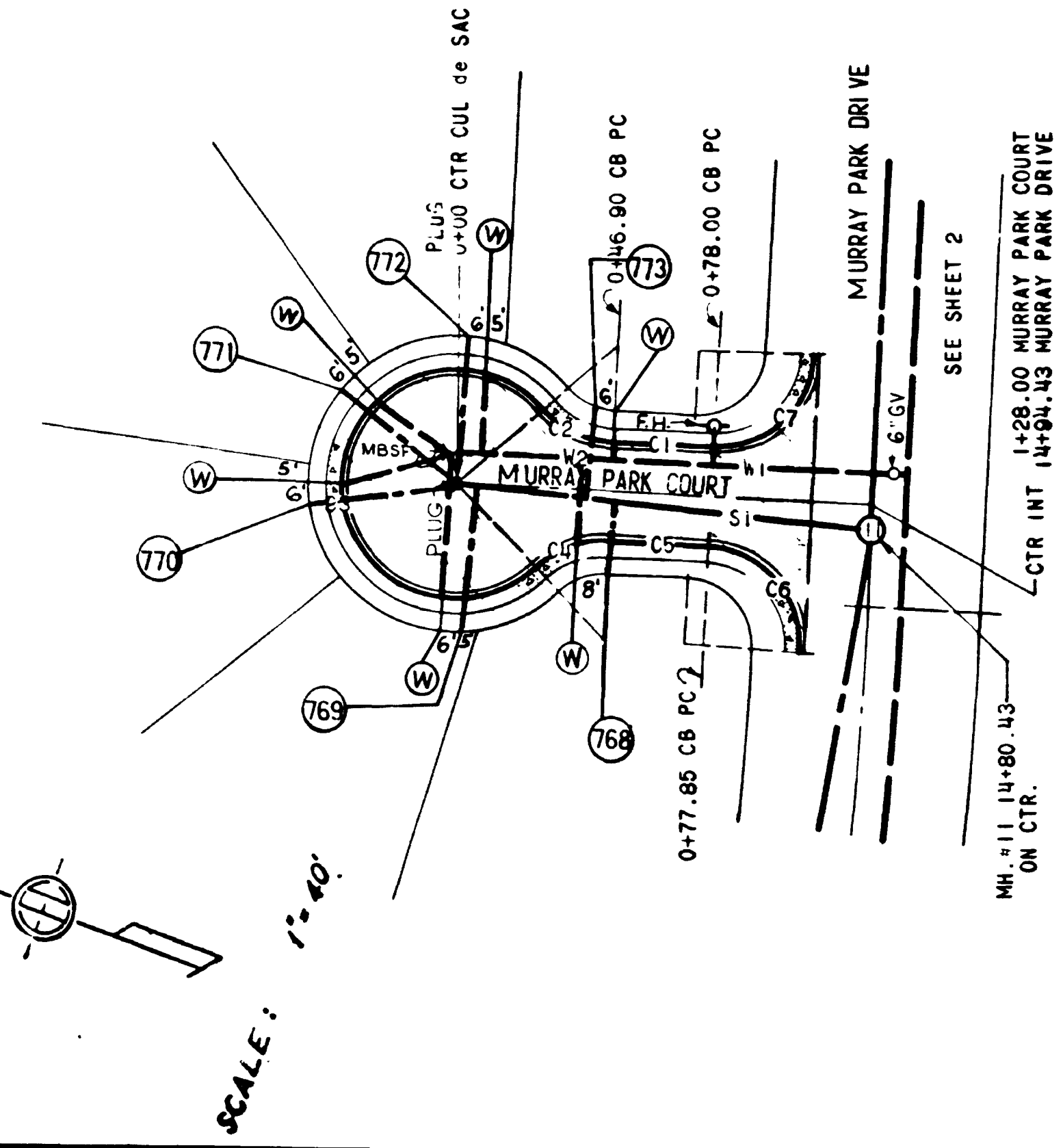
PRIVATE CONTRACT
ENGINEER OF DESIGN
ERELAND - EVENSON & CHRISTENSEN
Bill K. Bramble R.C.E. 8102

BONNIE VIEW DRIVE		W.D. 77106	
LAKE SHORE UNIT NO 9		NO. 77106	
CITY OF SAN DIEGO, CALIFORNIA		ENGINEERING DEPARTMENT	
SHEET 5 OF 10 SHEETS		DATE 5-23-69	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL			
AS BUILT CHECKED			
CONTRACTOR	DATE STARTED	DATE COMPLETED	
INSPECTOR			

AS BUILT



NUMBER	TYPE	RADIUS	DELTA OR BEARING	LENGTH	TOTAL LENGTH OR AREA
C1	6" TYPE "G" CB		S23°12'16"E	30.95	
2		30	46°11'13"	24.18	
3		35	272°22'26"	166.38	
4		30	46°11'13"	24.18	
C5			S23°12'16"E	31.10	
C6		30.06	90°42'27"	47.59	
C7	6" TYPE "G" CB.	30.00	90°00'00"	47.12	371.50'
SIDEWALK					1,490 SQ. FT.
SCHEDULE "B" PAVING					6,220 SQ. FT.
W1	6" AC		N23°12'16"W	60.00	60.00'
W2	4" AC		N23°12'16"W	78.00'	78.00'
S1	8" VC		S16°57'45"E	128.76	128.76
SD1	18" RCP		N11°17'44"W	45.00	
SD2			N 1°51'04"W	100.00	
SD3		45'	30°00'00"	23.56	
SD4	18" RCP		N31°51'04"W	70.00	
					238.56'

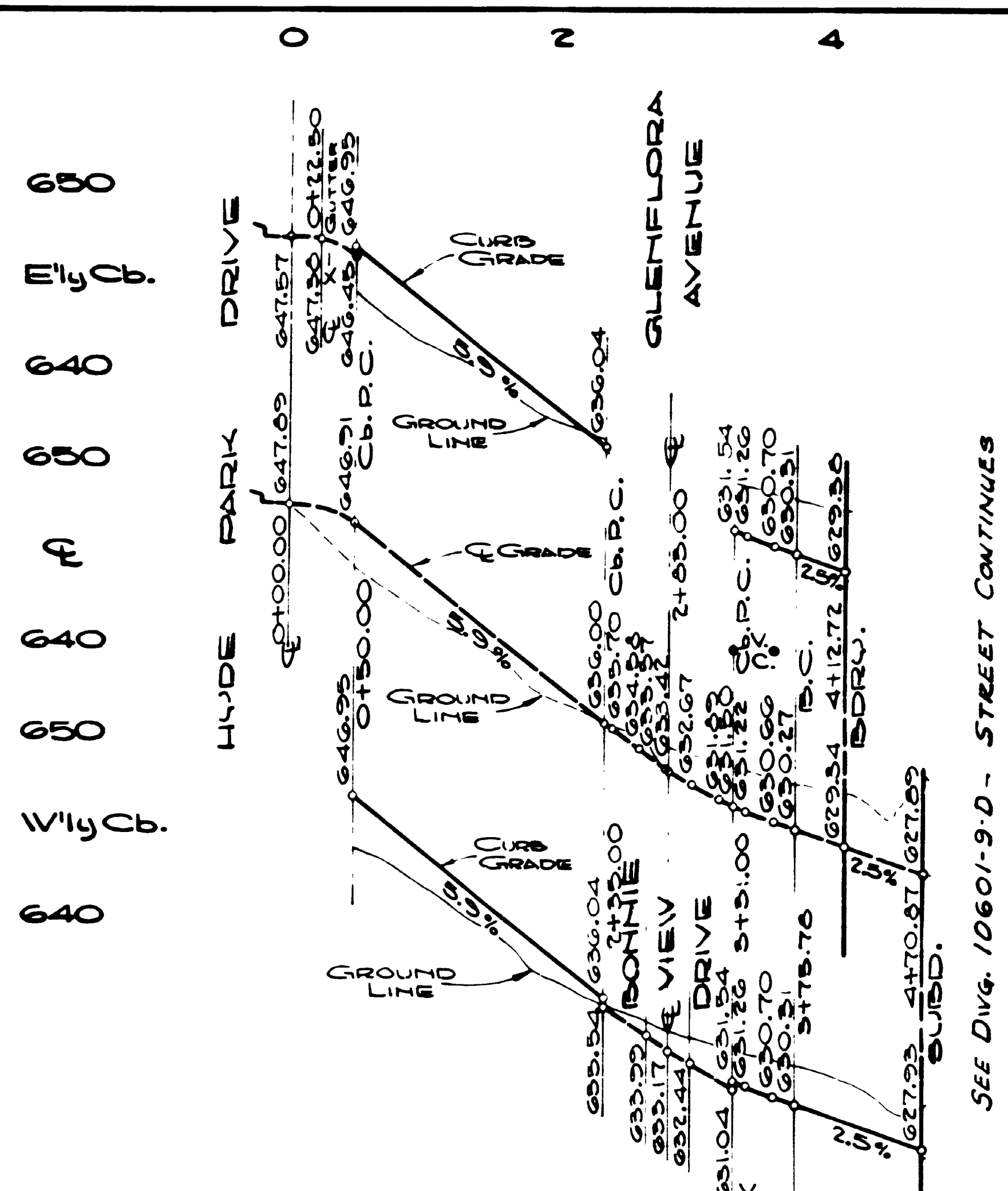


B.M.
NE BP WANDERMERE DRIVE and
BELLE GLADE AVENUE.
Elev.: 593.24 City Datum Add 6.12' to
elevations shown to obtain M.S.L Datum.

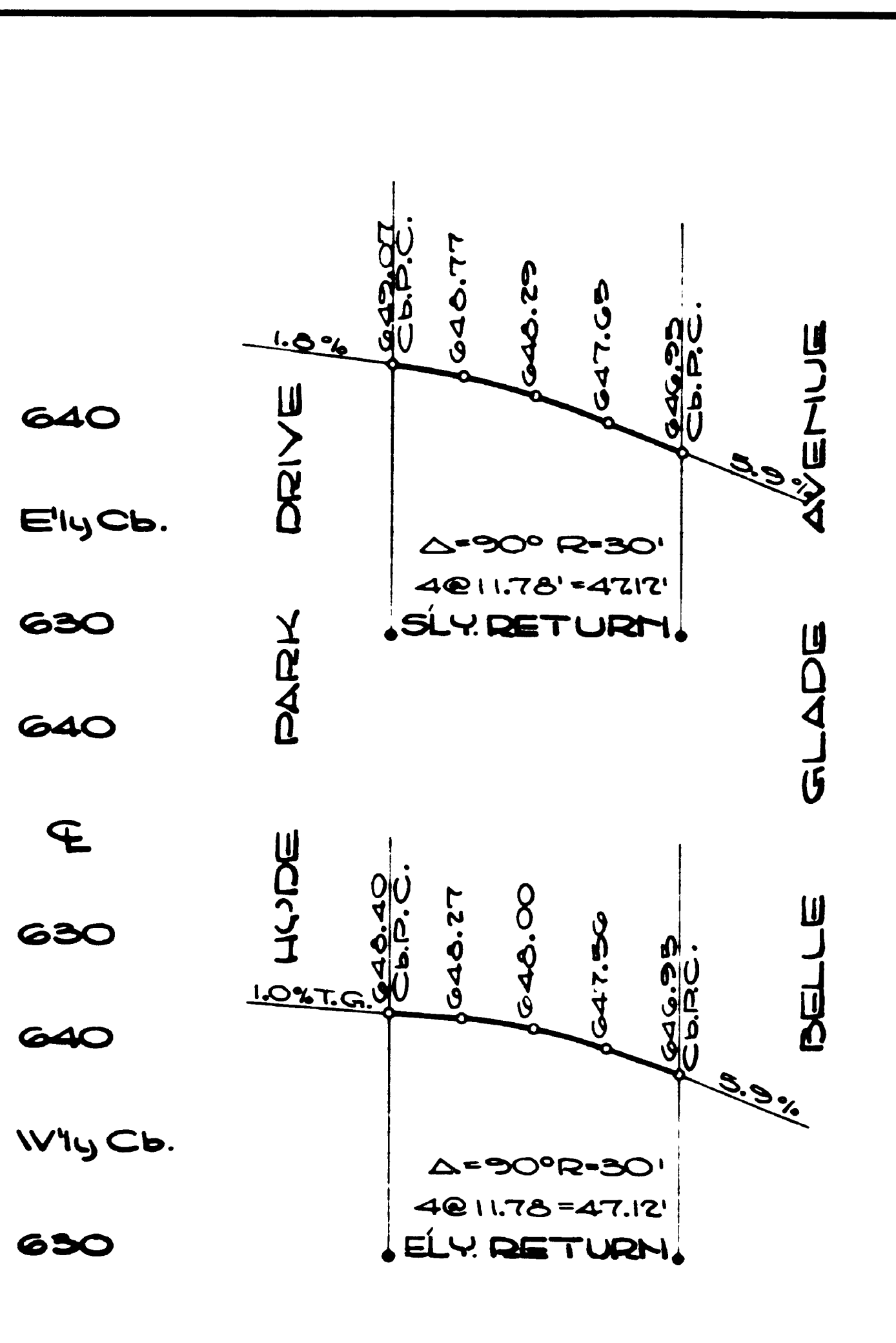
PRIVATE CONTRACT
ENGINEER OF DESIGN
FREELAND · EVENSON & CHRISTENSEN
Bill K. Bramble R.C.E. 8102

MURRAY PARK COURT STORM DRAIN	
LAKE SHORE UNIT NO 9	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 7 OF 10 SHEETS	W.C. 77138
Y.M. Slebo DATE: 3-8-57	
DESCRIPTION	BY
AS BUILT	ESB
DATE: 3-23-57	DATE COMPLETED: 3-23-57
228 1753	12656-7 -D

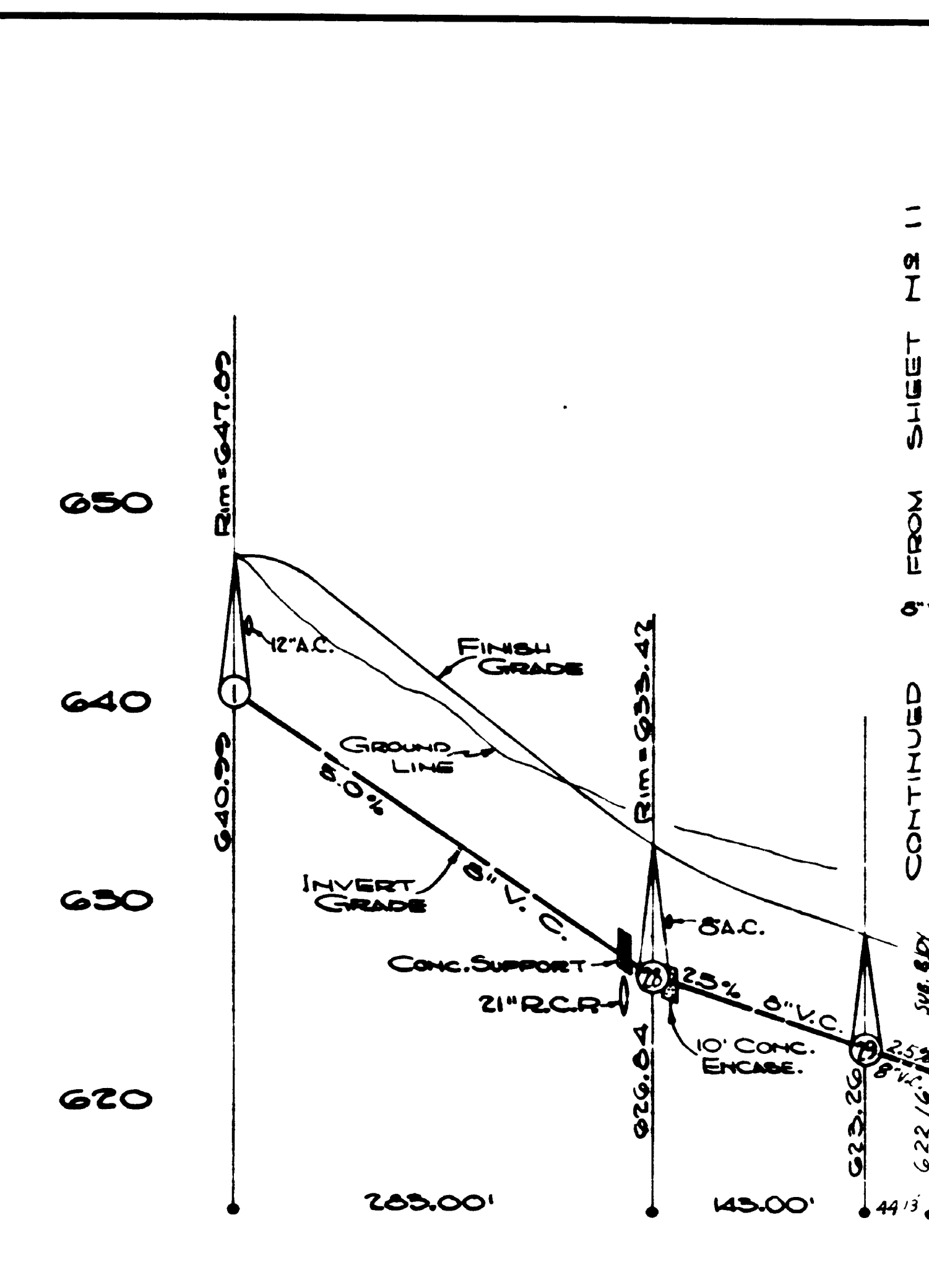
AS BUILT



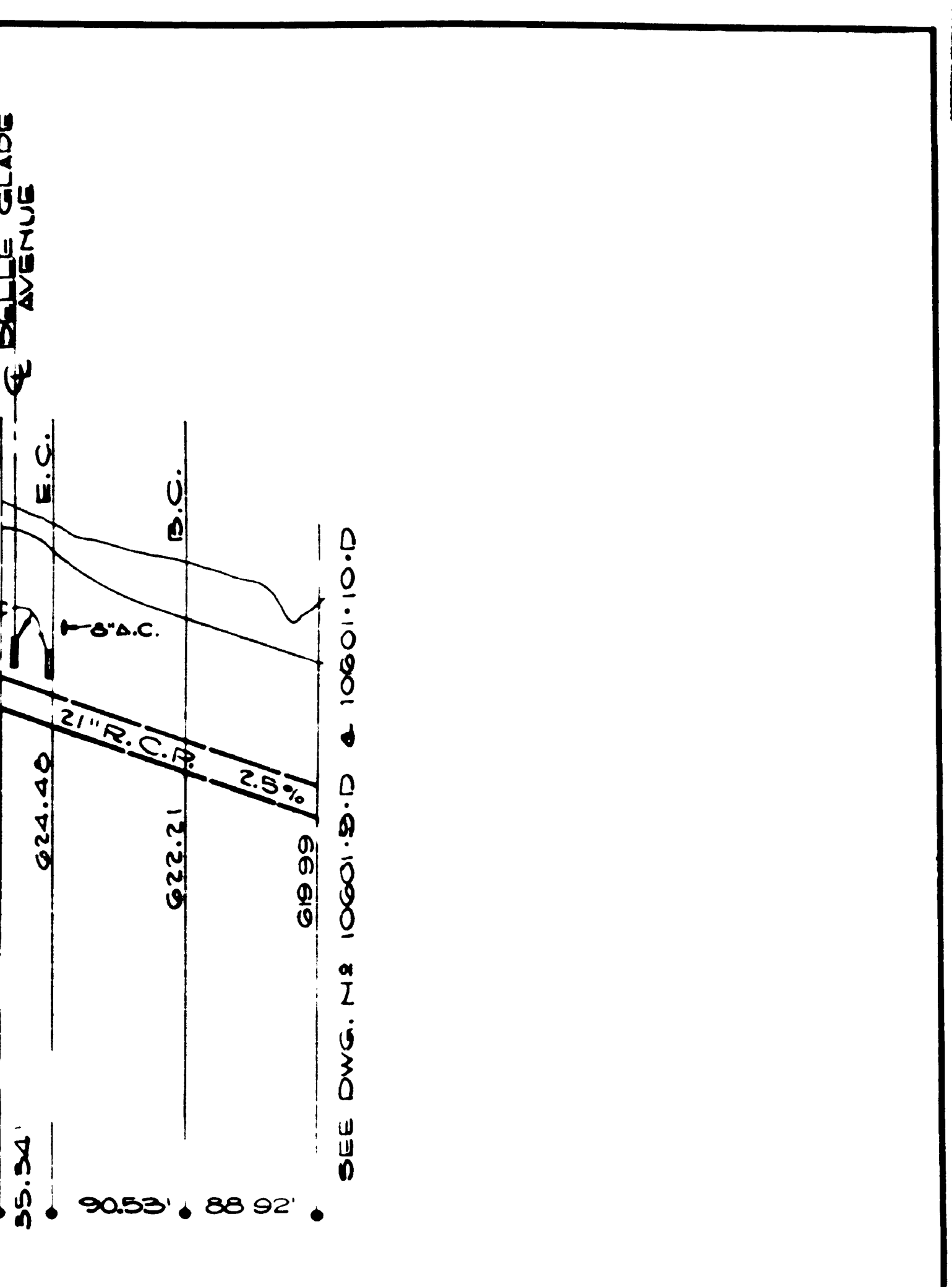
PROFILE OF BELLE GLADE AVENUE
SCALE: HOR. 1" = 80' VER. 1" = 6'



CURB RETURNS
SCALE: HOR. 1" = 20' VER. 1" = 3'

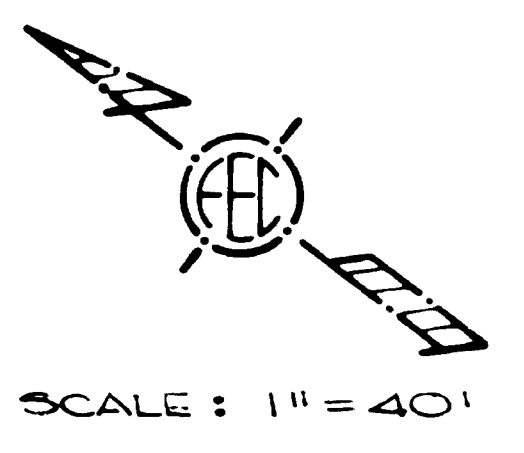
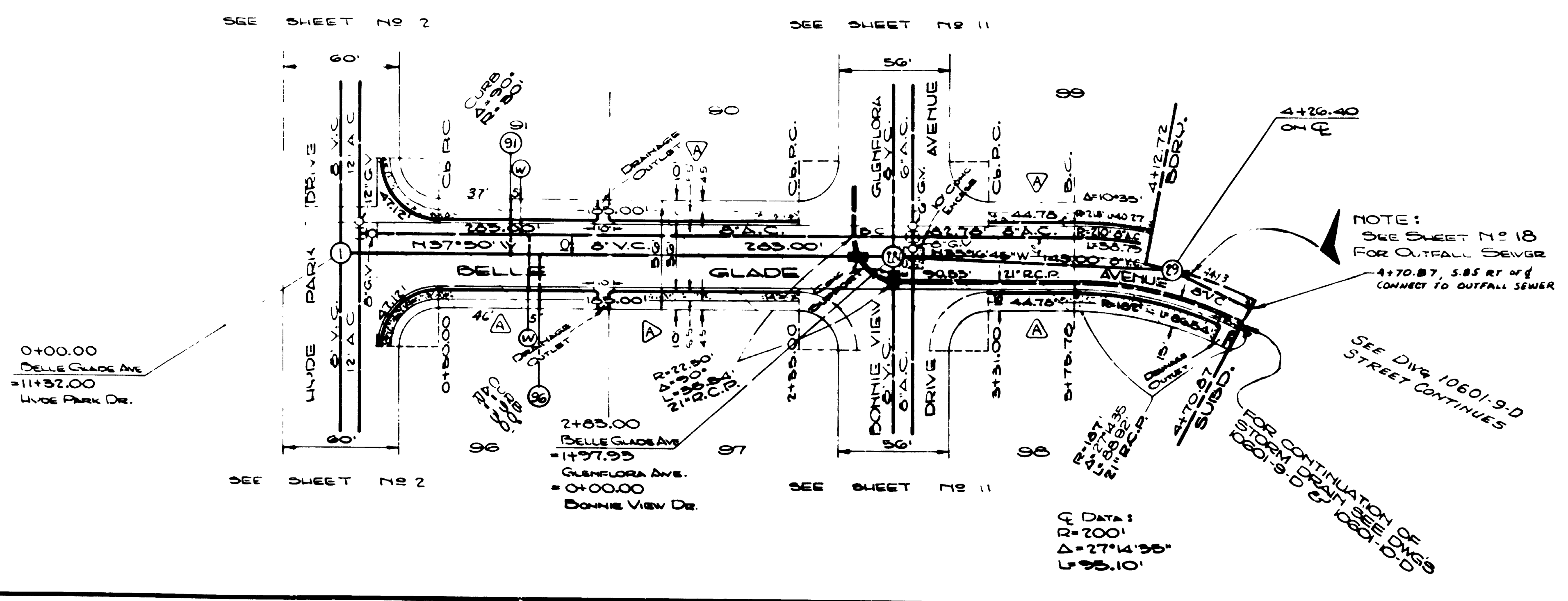


PROFILE OF SEWER
SCALE: HOR. 1" = 80' VER. 1" = 6'



PROFILE OF STORM DRAIN
SCALE: HOR. 1" = 80' VER. 1" = 6'

B.M.
CHISELED 'U' ON WEST CURBS OF
TWIN LAKE DR. @ SW. CORN. OF
LAKE COUNTRY UNIT NO 1
MAP NO 4315
ELEV. 629.90 (CITY DATUM)



SCALE: 1" = 40'

NOTE:
SEE SHEET 7-18
FOR OUTFALL SEWER
4+70.87, 5.85 RT. OF
CONNECT TO OUTFALL SEWER

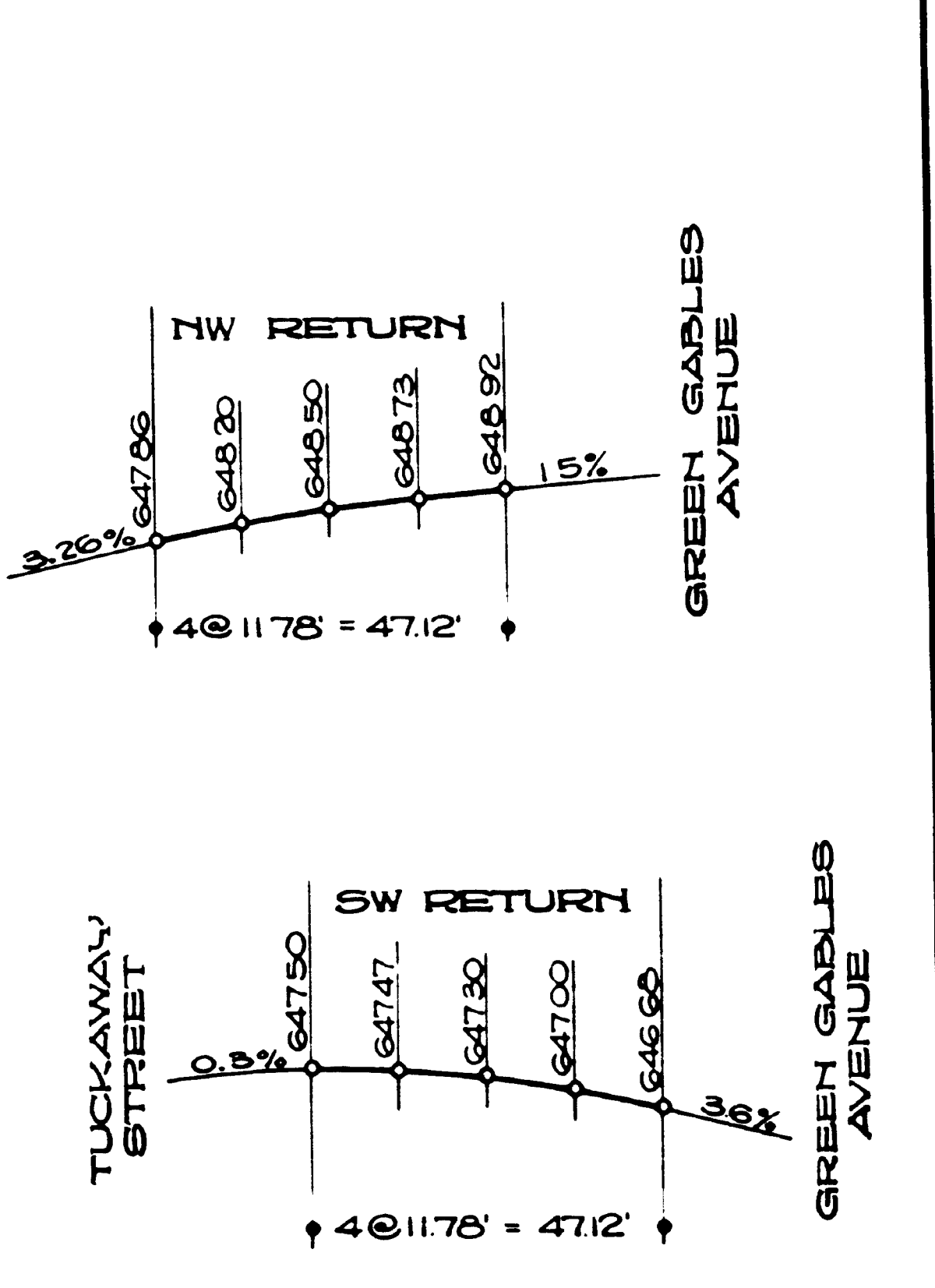
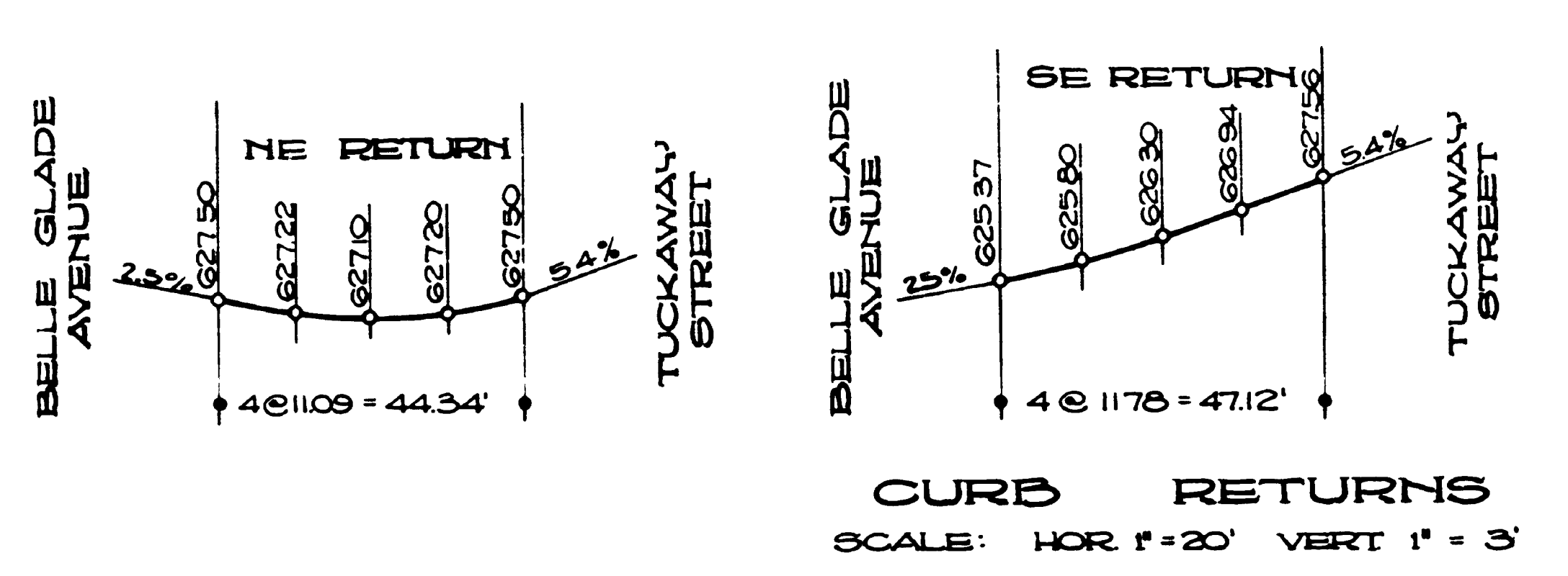
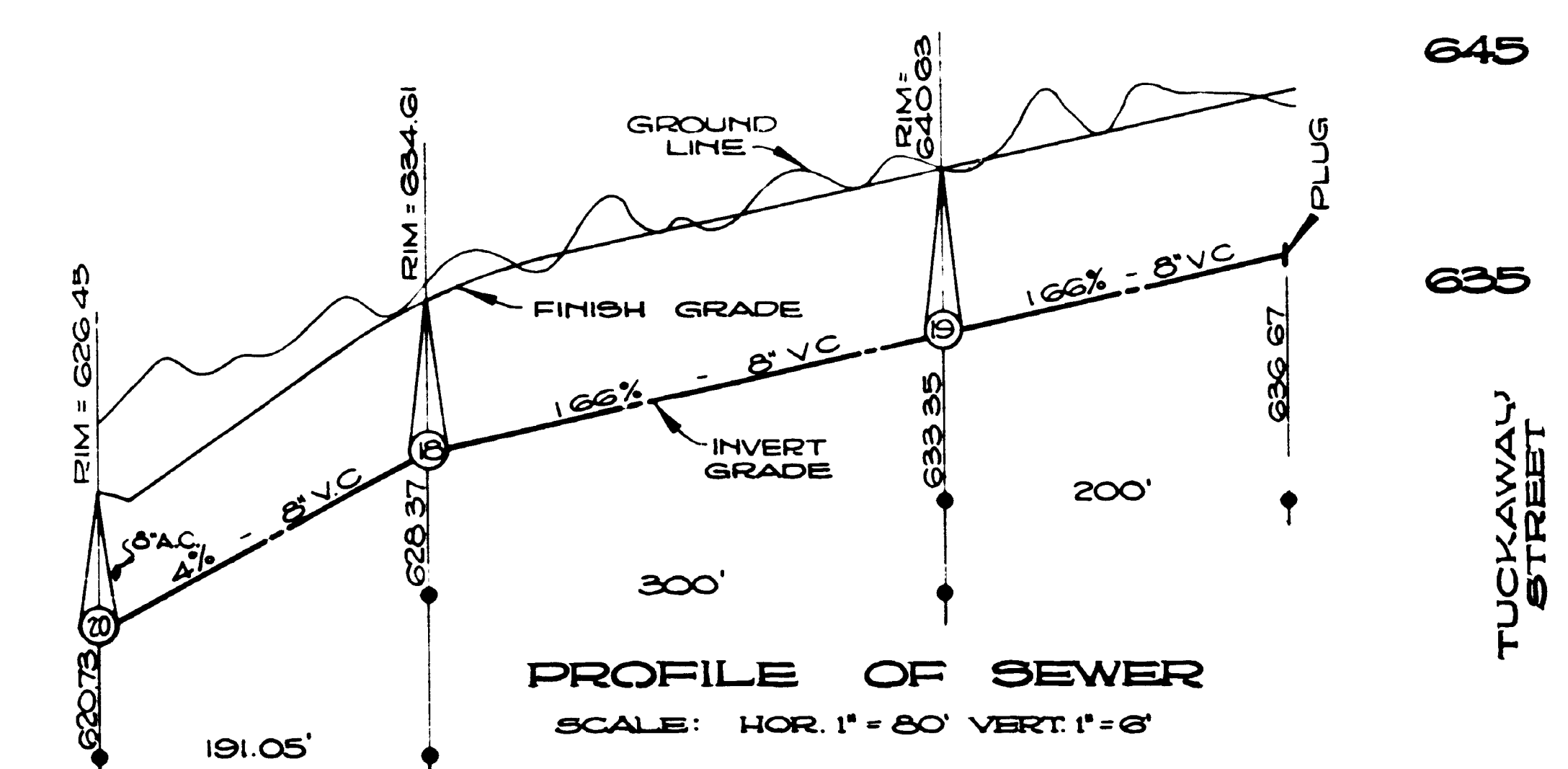
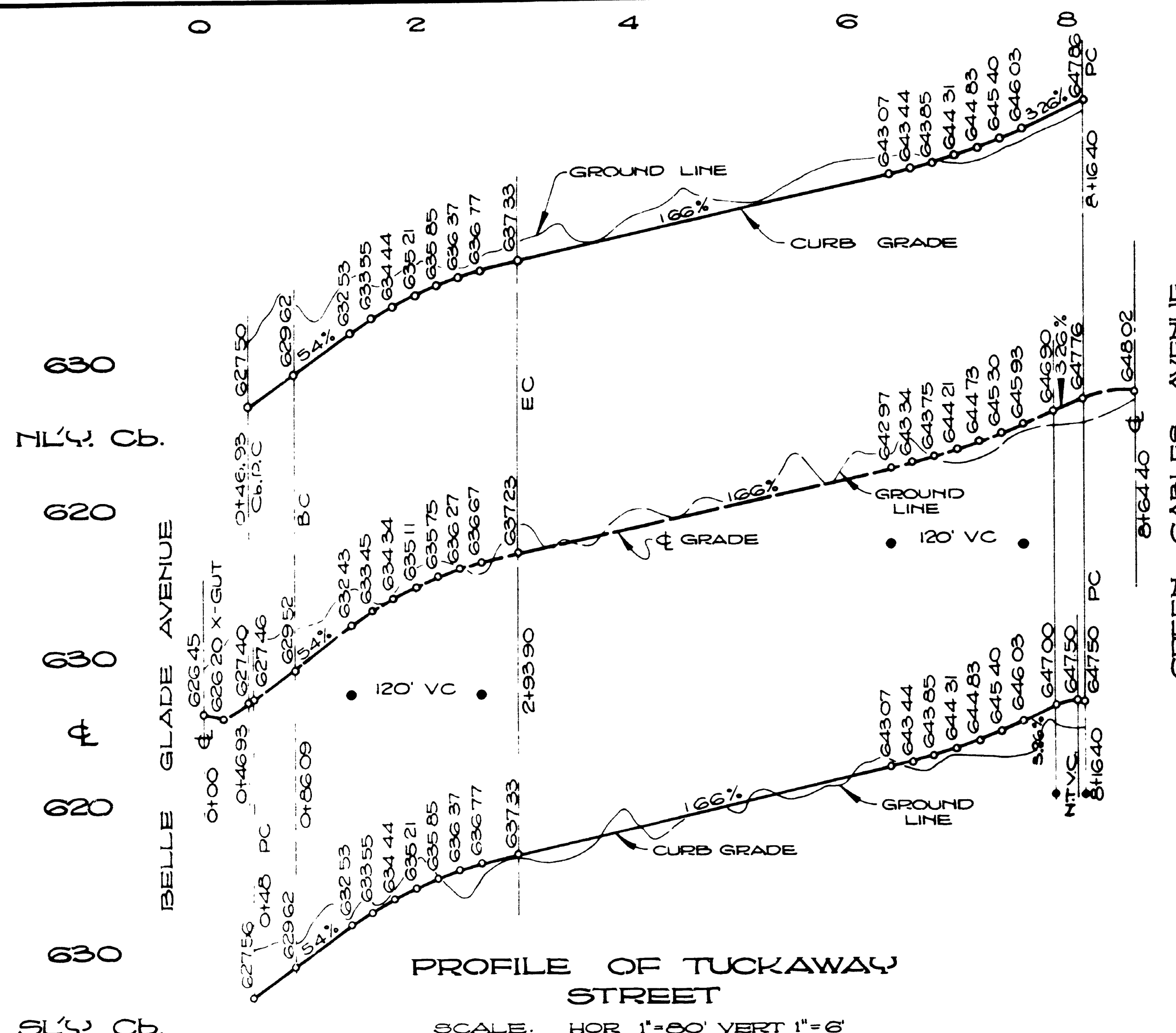
SEE DWG 10601-9-D
STREET CONTINUES

DATA:
R=200'
Δ=27°14'36"
L=98.10'

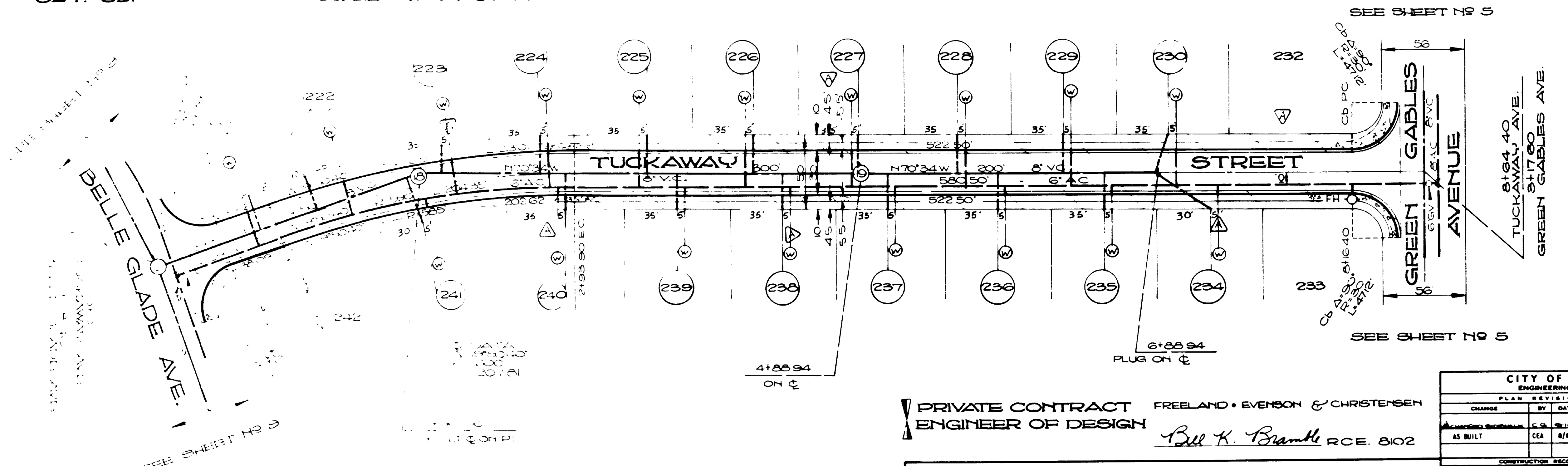
PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND • EVENSON & CHRISTENSEN
Bill A. Williams P.C.E. 8102

LAKE SHORE UNIT NO 1		BELLE GLADE AVENUE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 10 OF 20 SHEETS NO 76546	
PLAN REVISION	APPROVAL	APPROVALS FOR	
CHANGE BY DATE	APPROVAL	CITY ENGINEER	CITY ENGINEER AND
AS BUILT 5/5/1967	[Signature]	WATER	SEWERAGE
AS BUILT 5/5/1967	[Signature]	PLUMBING	ELECTRICAL
CONSTRUCTION RECORD		ROADWAY	TRAFFIC
JUNE 1962	SEPT. 26, 1966	STRUCTURAL	CONCRETE
STREET INTERNATIONAL INC. MILLER	STREET INTERNATIONAL INC. MILLER	TRAFFIC	CONCRETE
FIELD BOOK	BIRDSELL	CONTROL	CONCRETE
			10559-10-AD

AS BUILT A-5082



B.M.
CHISELED "D" ON WEST CURB OF TWIN LAKE OR AT SW CORNER OF LAKE COUNTRY UNIT NO 1 MAP NO 4515 ELEV. 629.90 (CITY DATUM)

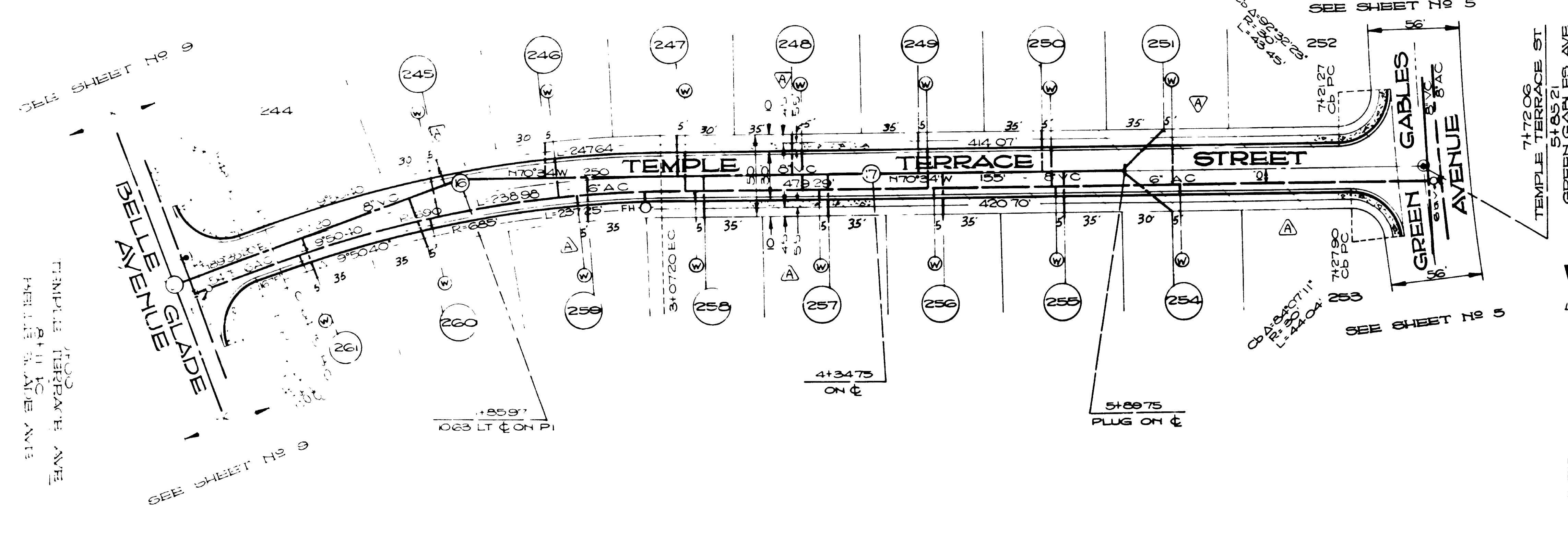
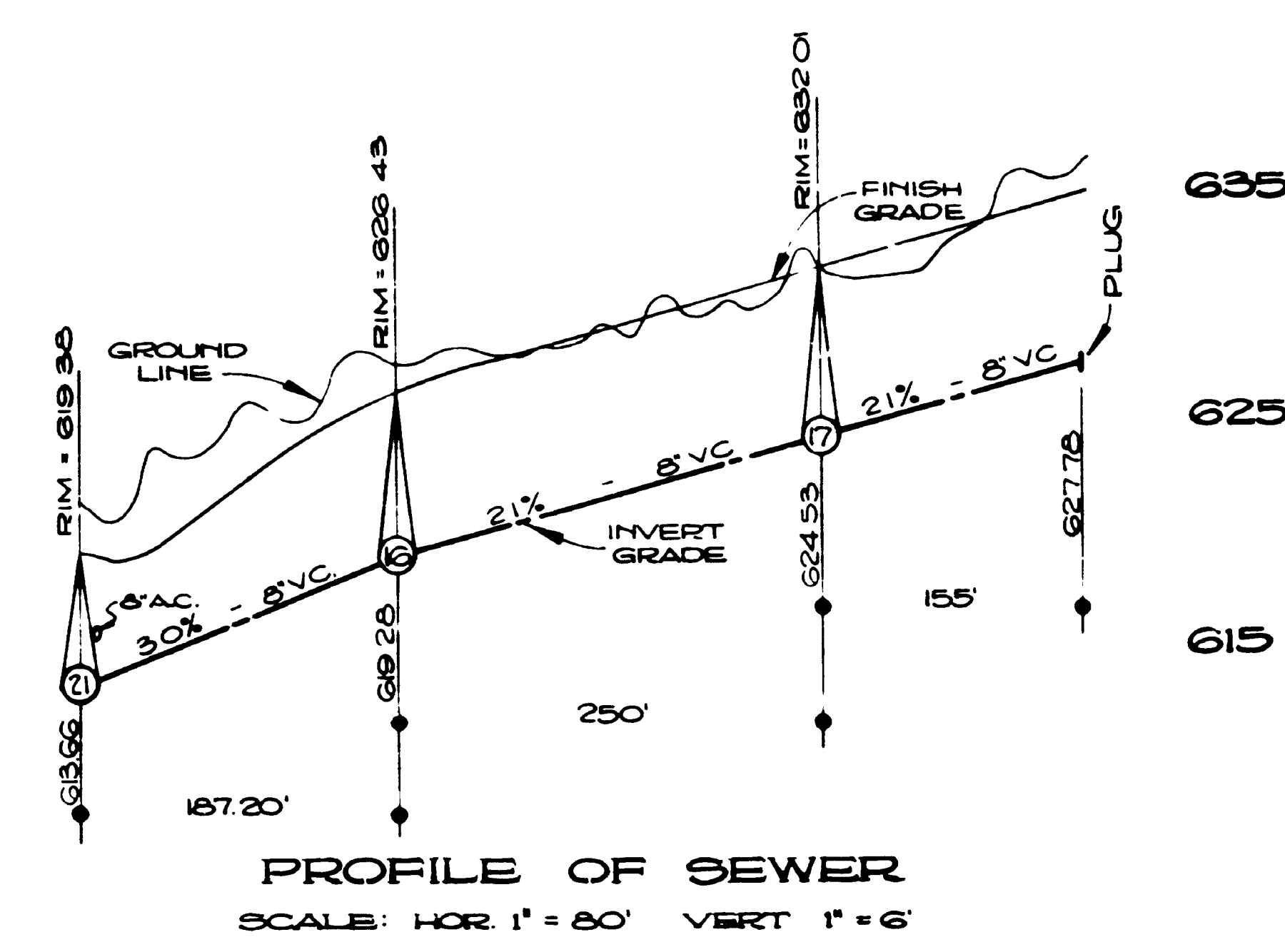
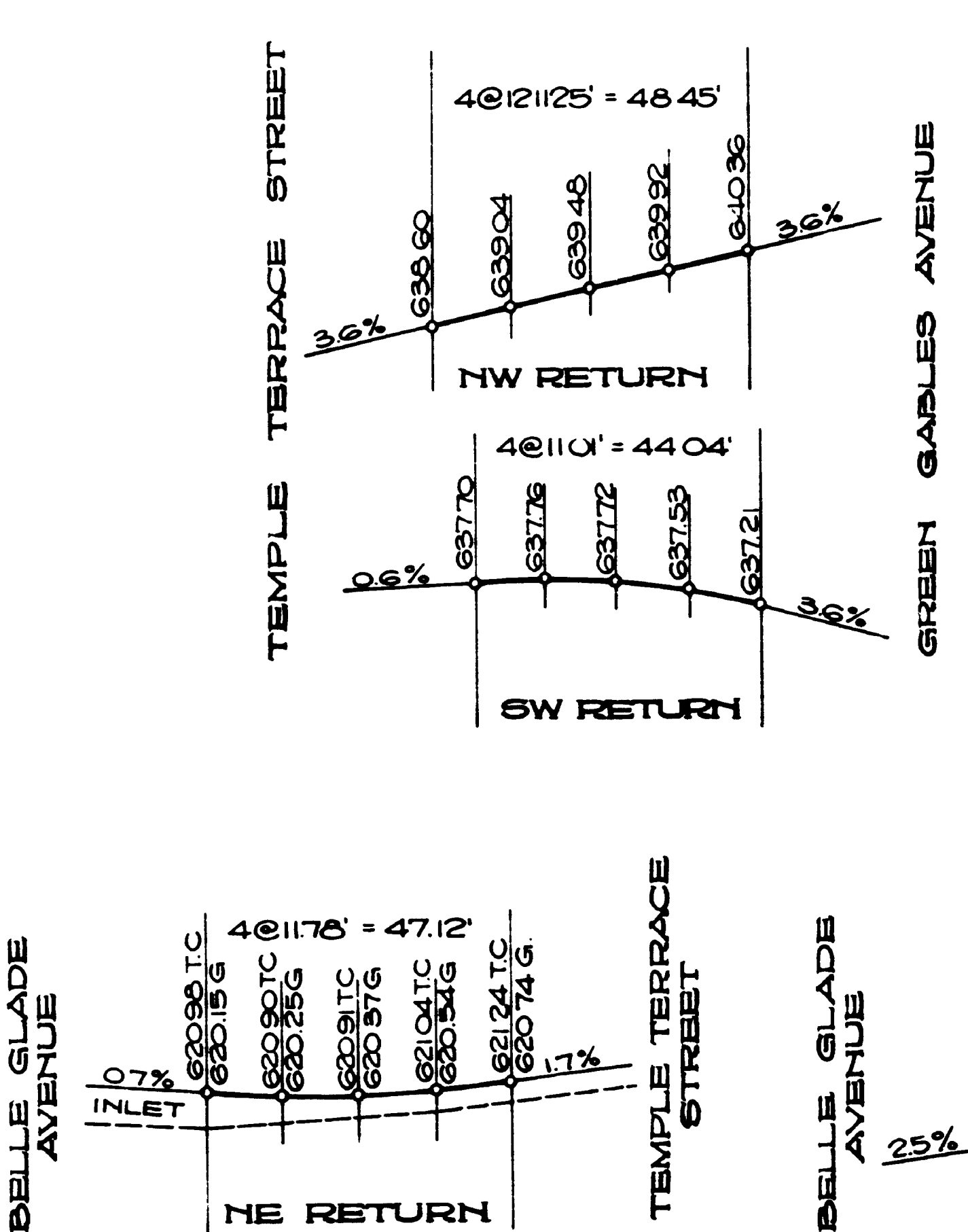
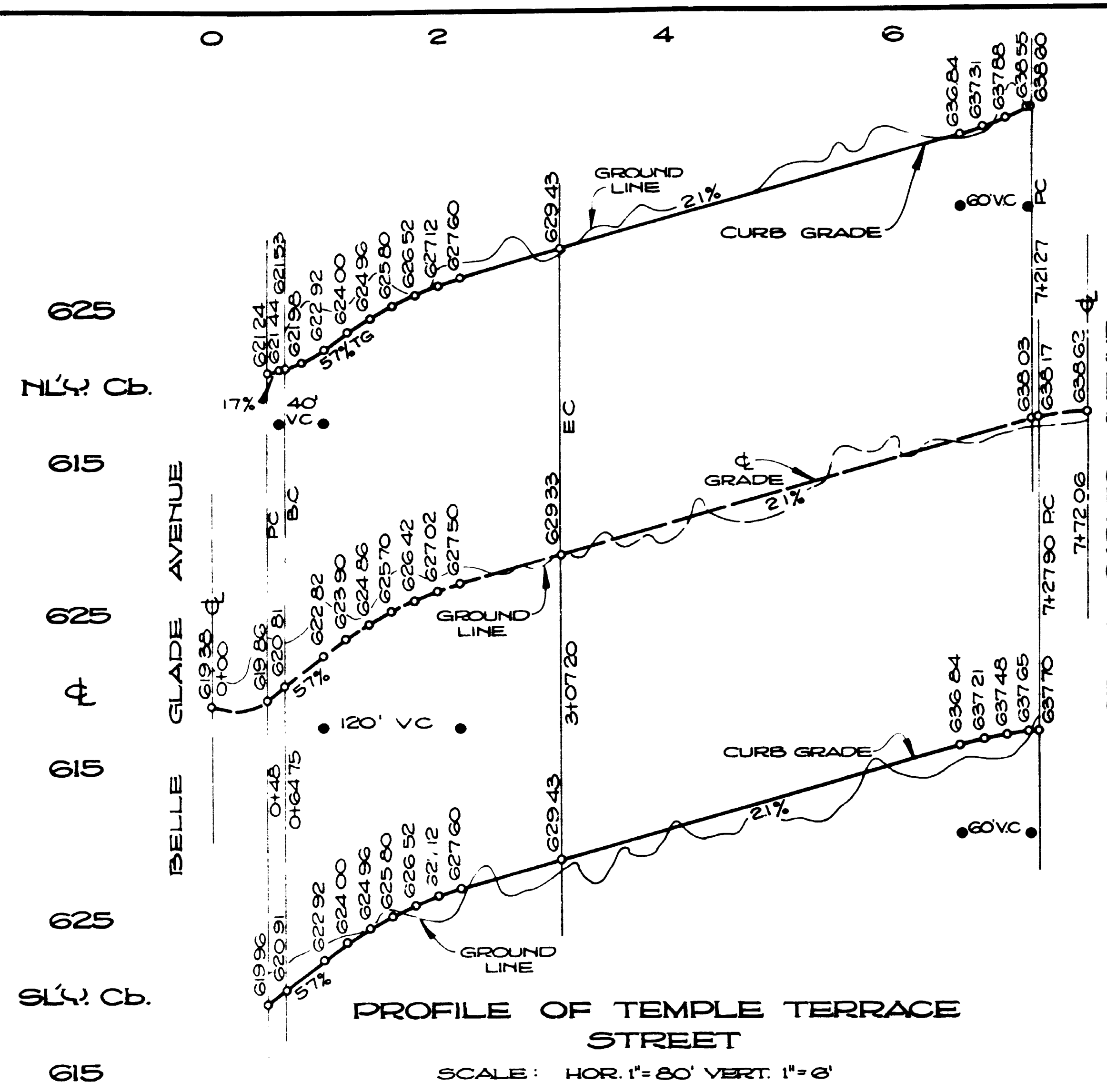


PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND • EVENSON & CHRISTENSEN
Bill K. Bramble R.C.E. 8102

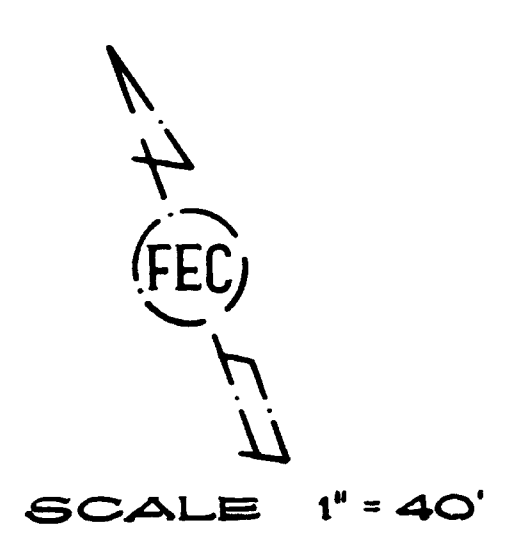
LAKE SHORE UNIT NO 3
TUCKAWAY STREET

CITY OF SAN DIEGO ENGINEERING DEPARTMENT			SHEET 7 OF 20 SHEETS		NO. 76654
PLAN REVISION	DATE	APPROVAL	BY	FOR	
AS BUILT	8/84				
CONSTRUCTION RECORD	MARCH 21, 1984	ELECTRICAL		SEWERAGE	
JULY 13, 1962		STRUCTURAL		GRASS	
CITY STUDY		TRAFFIC		CONTROL	
CONTR. E. E. HAZARD	MAP SEE SHEET 1				
FIELD BOOK					106017-D

AS BUILT
A-5083



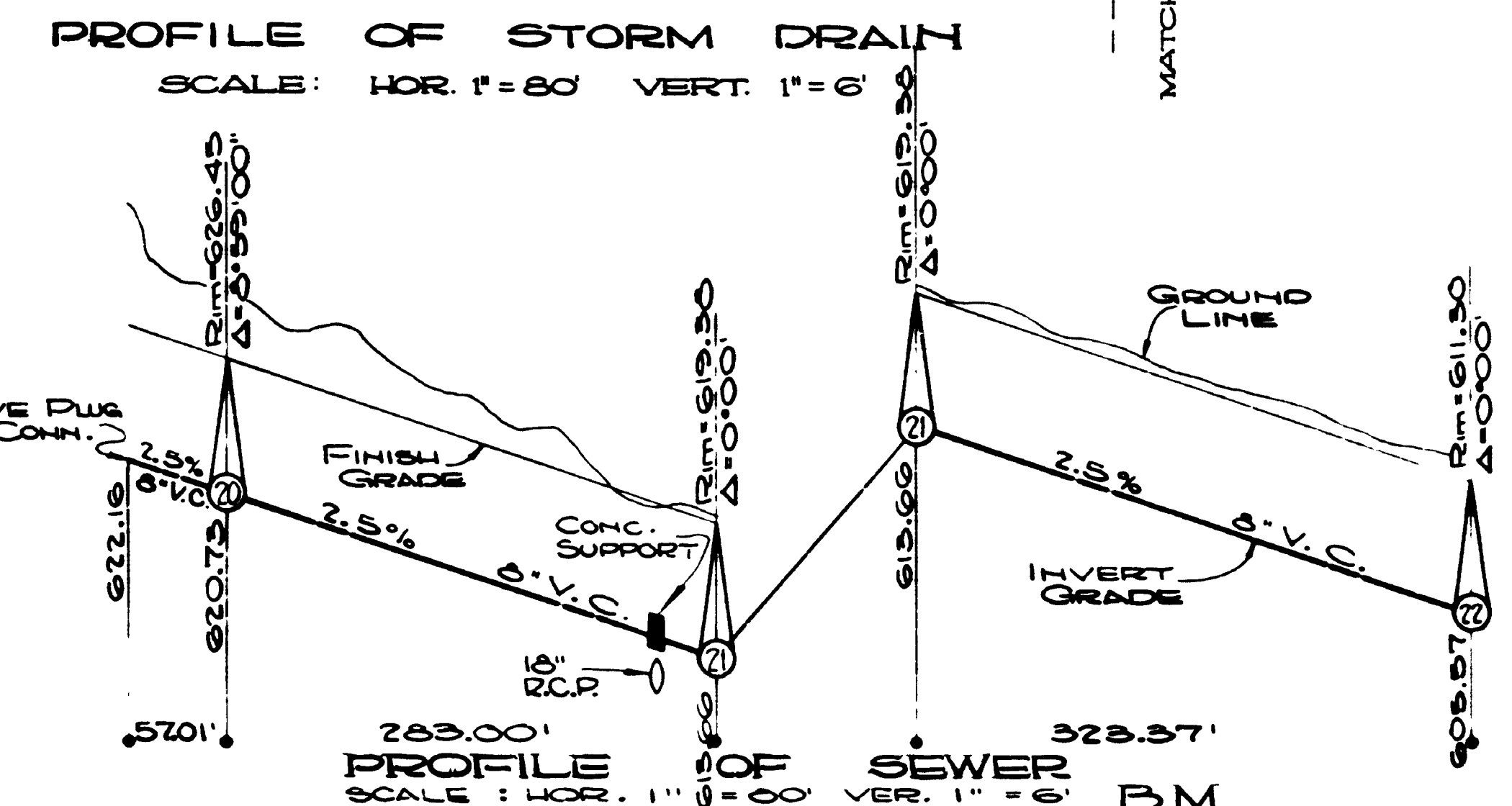
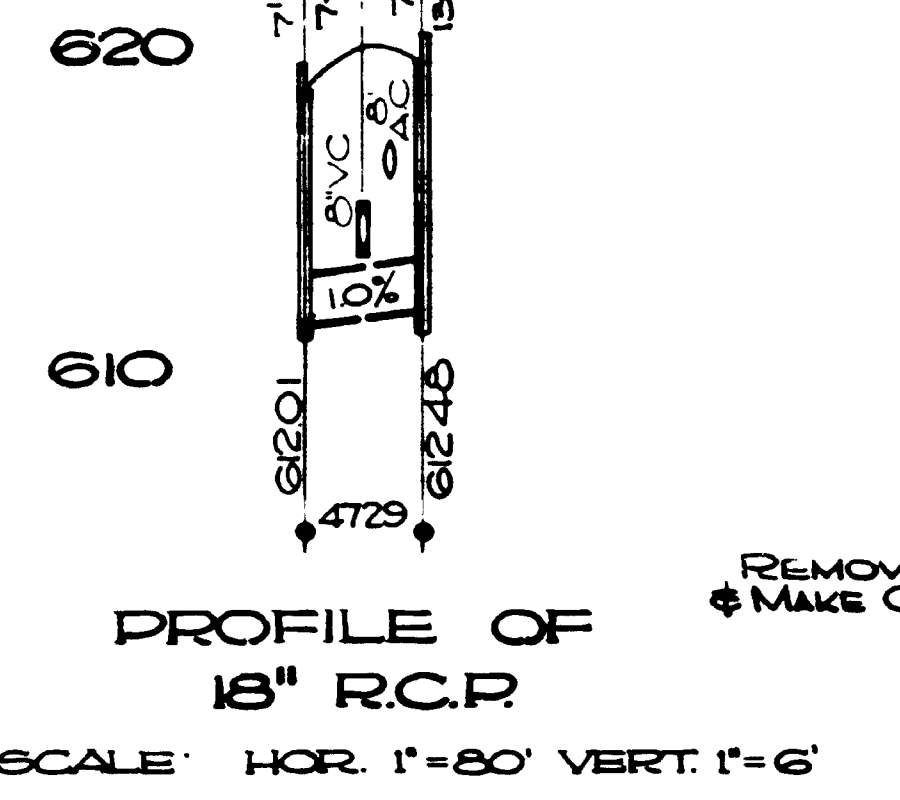
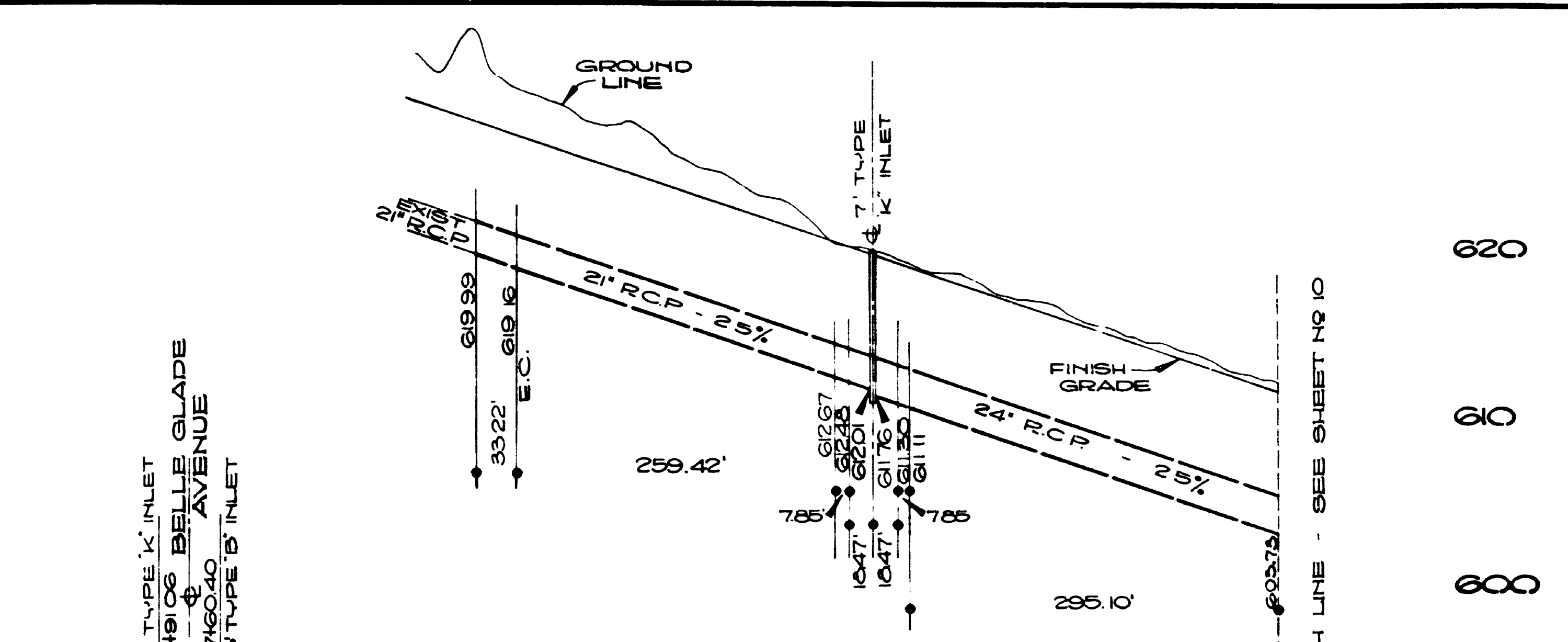
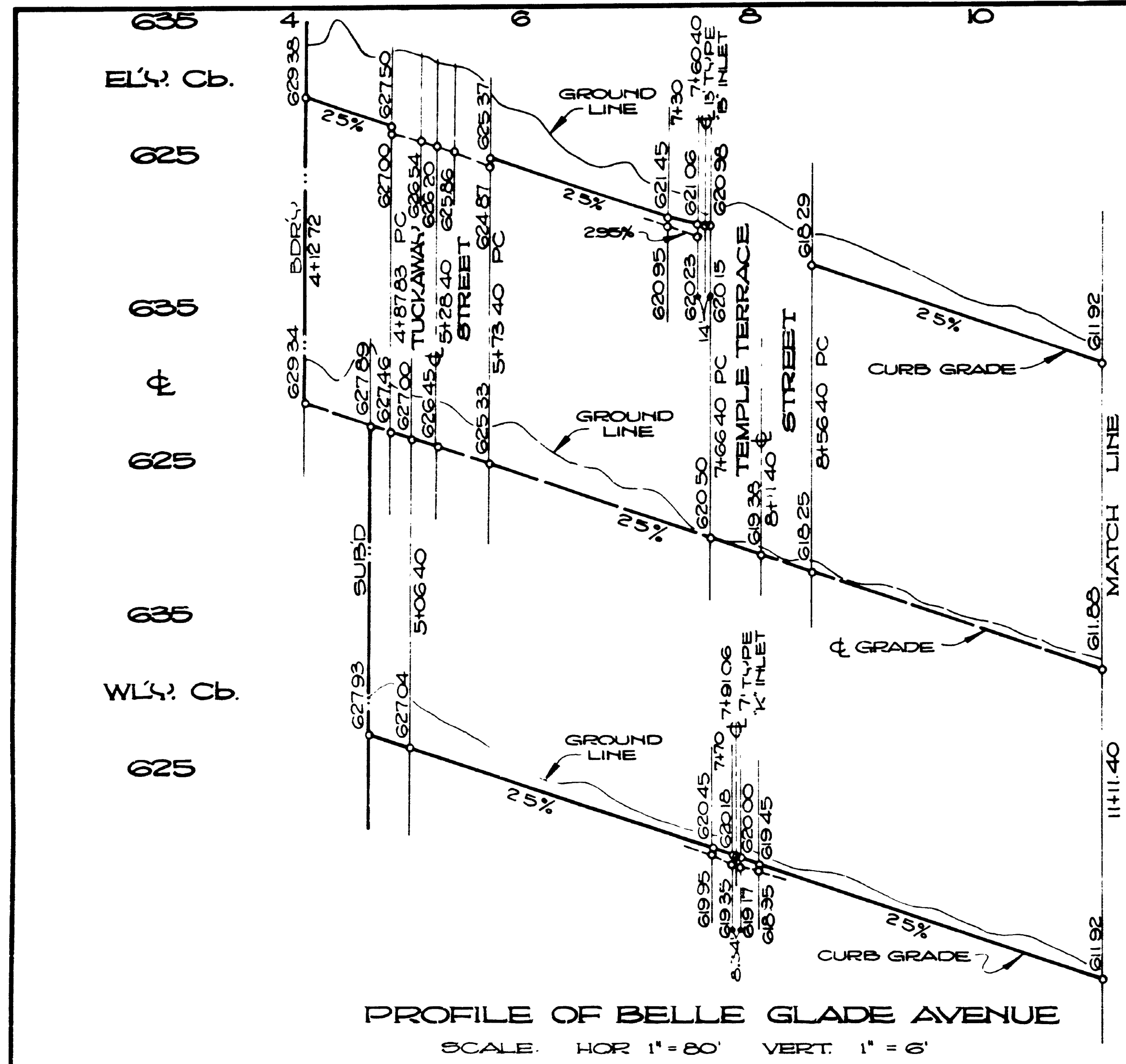
B.M.
CHISELED "D" ON WEST CURB OF TWIN LAKE DR. AT SLY. BORD. OF LAKE COUNTRY UNIT NO 1 MAP NO 4315 ELEV 629.90 (CITY DATUM)



PRIVATE CONTRACT FREELAND • EVENSON & CHRISTENSEN
ENGINEER OF DESIGN *Bill K. Brant* RCE 002

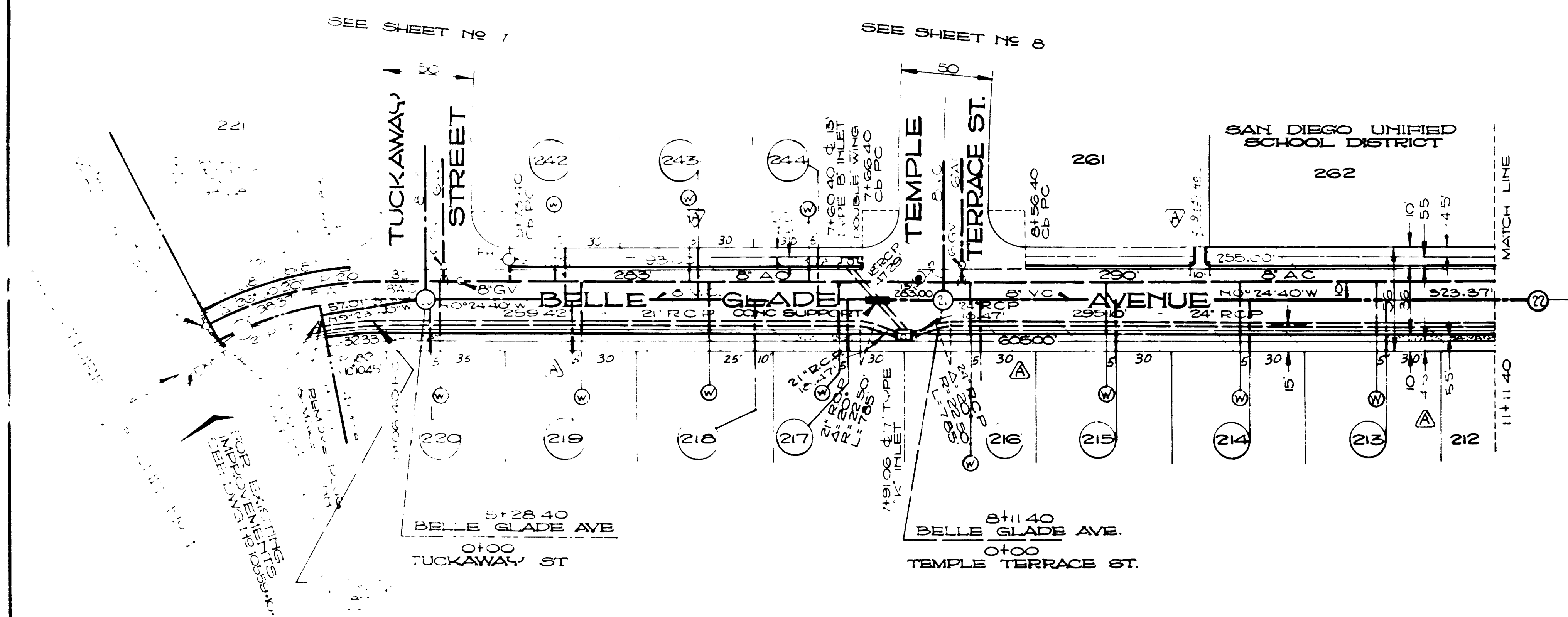
LAKE SHORE UNIT NO 3		TEMPLE TERRACE STREET	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 8 OF 20 SHEETS	
NO. 76654			
PLAN REVISION			
CHANGE	BY	DATE	APPROVAL
AS BUILT	CEA	8/68	<i>[Signature]</i>
APPROVALS FOR		APPROVALS FOR	
WATER	SEWERAGE	ROADWAY	STRUCTURAL
PLANNING	TRAFFIC	CONTRACT	FIELD BOOK
CONSTRUCTION RECORD		CONSTRUCTION RECORD	
JULY 13, 1962	MARCH 21, 1968	ELECTRICAL	ROADWAY
SLAVE STAPLED	SLVS. COMPLETED	STRUCTURAL	SEWERAGE
CONTR. S. E. HAZARD	IMP. SEE SHEET 1	TRAFFIC	CONTRACT
		NO. 106018-D	

MICROFILMED AS BUILT MICROFILMED A-5083



B.M.
CHISELED 'D' ON WEST CURB OF TWIN LAKE DR AT SW. CORN. OF LAKE COUNTRY UNIT NO. 1 MAP NO. 4315 ELEV. 629.90 (CITY DATUM)

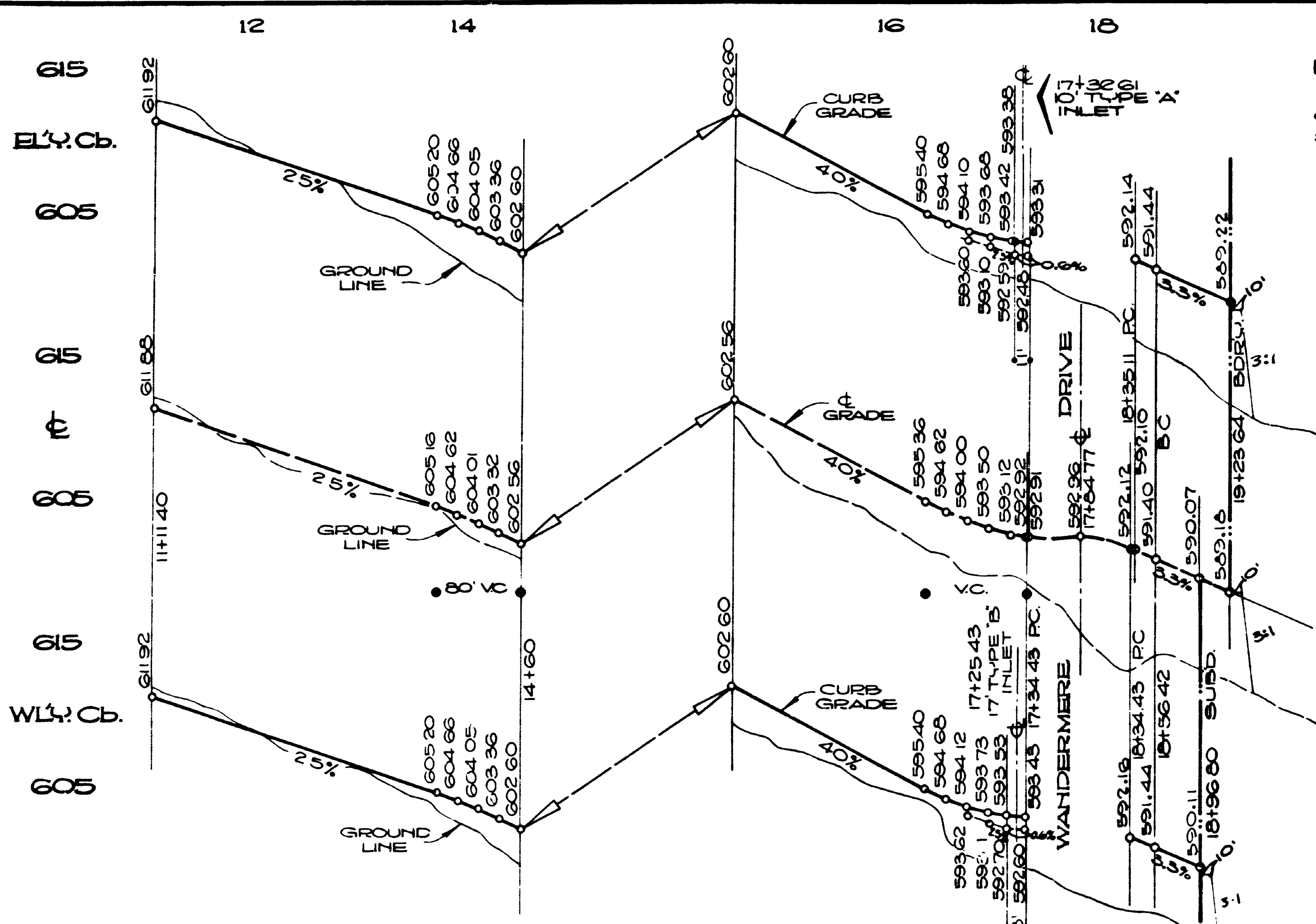
47 FEB 47
SCALE 1"=40'



PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND • EVENSON & CHRISTENSEN
Bill K. Brumby RCE 8102

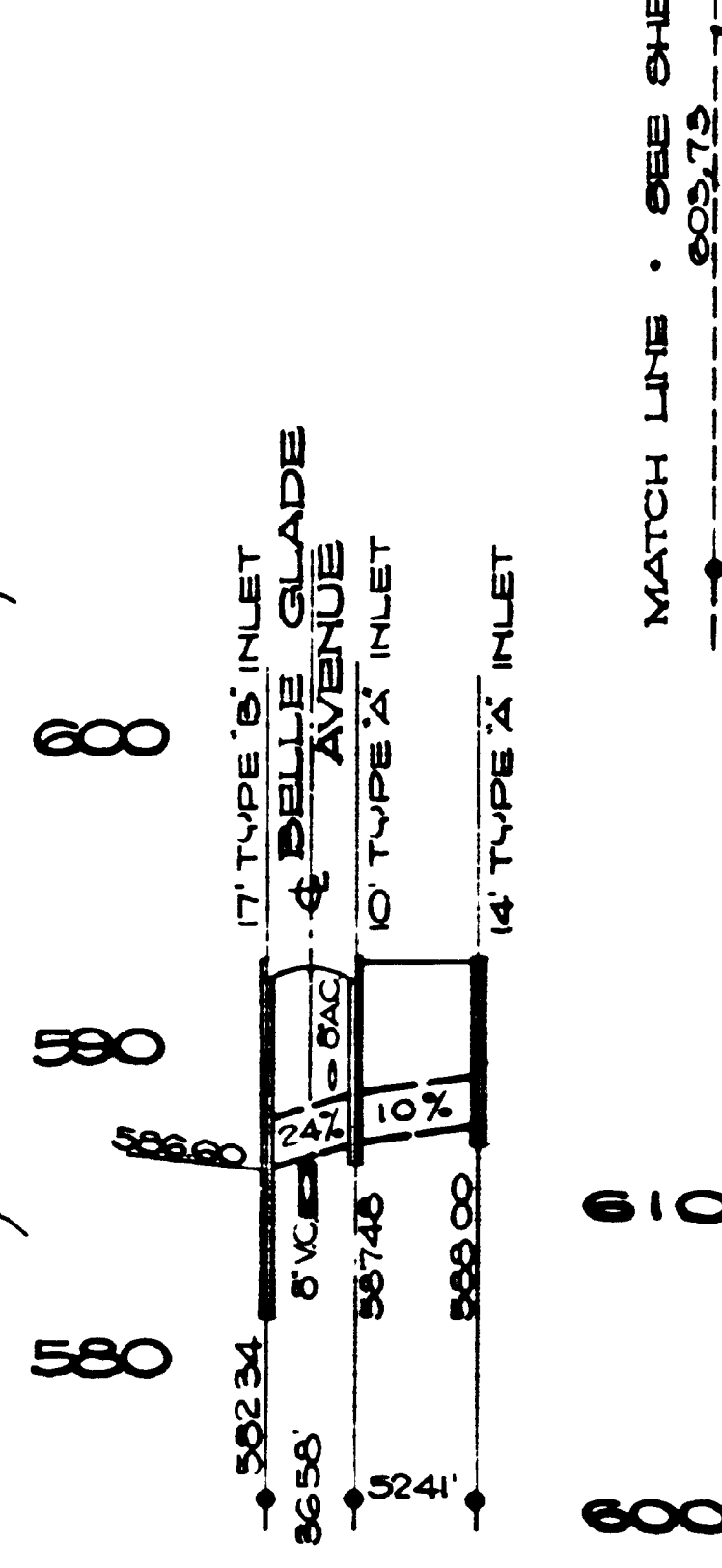
LAKE SHORE UNIT NO. 3		BELLE GLADE AVENUE															
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 9 OF 20 SHEETS															
W.D. 76654																	
<table border="1"> <tr> <th>CHANGE</th> <th>BY</th> <th>DATE</th> <th>APPROVAL</th> <th>STUDY ENGINEER</th> <th>APPROVALS FOR</th> <th>DATE</th> </tr> <tr> <td>AS BUILT</td> <td>SEA</td> <td>3/16</td> <td>SEA</td> <td>SEA</td> <td>SEA</td> <td>SEA</td> </tr> </table>				CHANGE	BY	DATE	APPROVAL	STUDY ENGINEER	APPROVALS FOR	DATE	AS BUILT	SEA	3/16	SEA	SEA	SEA	SEA
CHANGE	BY	DATE	APPROVAL	STUDY ENGINEER	APPROVALS FOR	DATE											
AS BUILT	SEA	3/16	SEA	SEA	SEA	SEA											
<table border="1"> <tr> <th>CONSTRUCTION RECORD</th> <th>DATE</th> <th>BY</th> <th>APPROVAL</th> </tr> <tr> <td>AS BUILT</td> <td>MARCH 21, 1968</td> <td>SEA</td> <td>SEA</td> </tr> </table>				CONSTRUCTION RECORD	DATE	BY	APPROVAL	AS BUILT	MARCH 21, 1968	SEA	SEA						
CONSTRUCTION RECORD	DATE	BY	APPROVAL														
AS BUILT	MARCH 21, 1968	SEA	SEA														
<table border="1"> <tr> <th>CONTRACTOR</th> <th>DATE</th> <th>BY</th> <th>APPROVAL</th> </tr> <tr> <td>CONTR. R. E. HAZARD</td> <td>SEE SHEET</td> <td>SEA</td> <td>SEA</td> </tr> </table>				CONTRACTOR	DATE	BY	APPROVAL	CONTR. R. E. HAZARD	SEE SHEET	SEA	SEA						
CONTRACTOR	DATE	BY	APPROVAL														
CONTR. R. E. HAZARD	SEE SHEET	SEA	SEA														
FIELD BOOK		10603 D															

AS BUILT A-5083

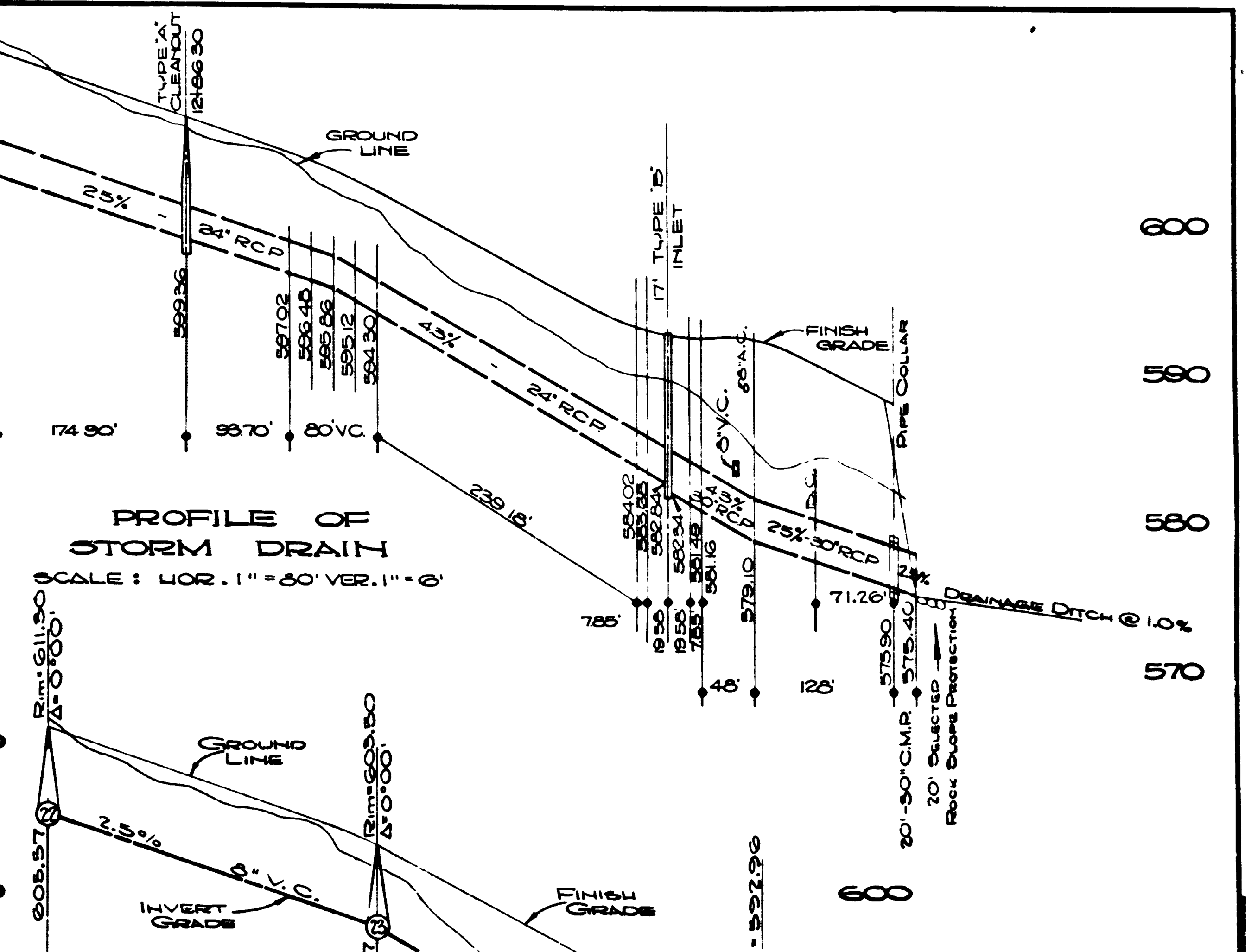


PROFILE OF BELLE GLADE AVENUE
SCALE: HOR. 1" = 80' VERT. 1" = 6'

NOTE:
FOR PROFILE OF CURB RETURNS SEE SHEET 10 11



PROFILE OF 18" R.C.P.
SCALE: HOR. 1" = 80' VERT. 1" = 6'

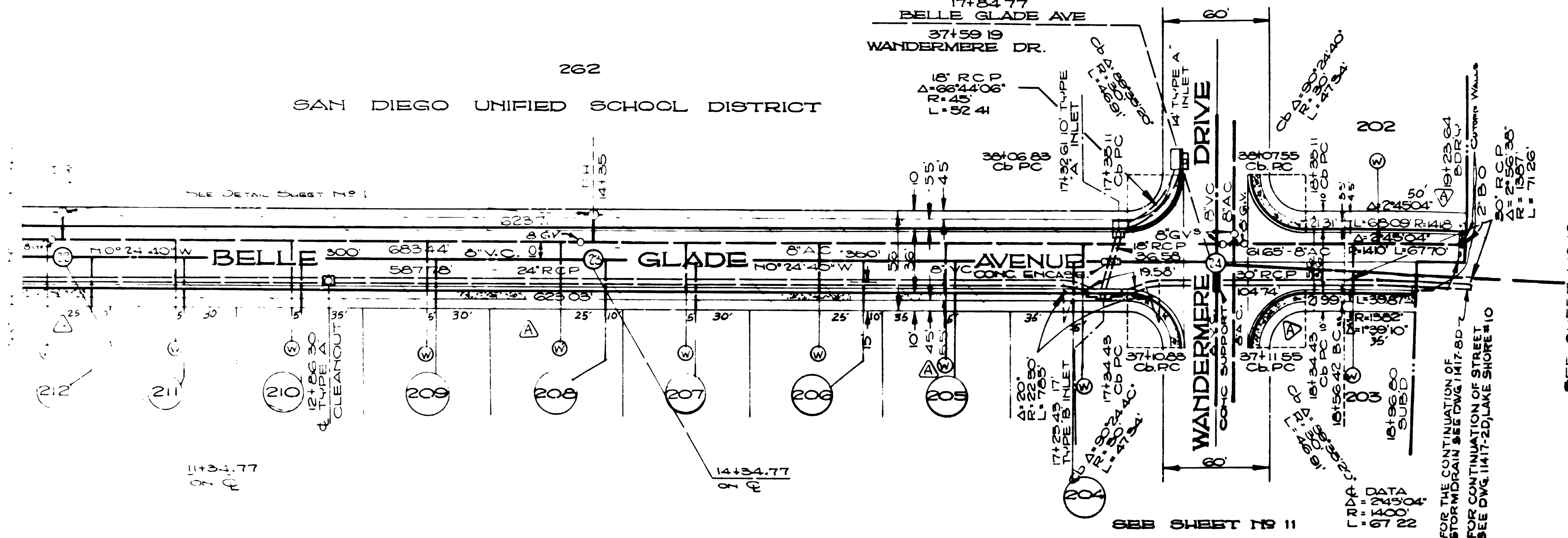


PROFILE OF STORM DRAIN
SCALE: HOR. 1" = 80' VERT. 1" = 6'

PROFILE OF SEWER
SCALE: HOR. 1" = 80' VERT. 1" = 6'

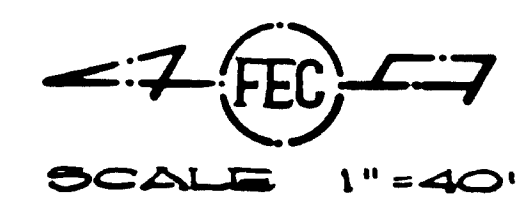
B.M.
CHISELED "D" ON WEST CURB OF TWIN LAKE DR. AT S.W. CORN. OF LAKE COUNTRY UNIT NO 1 MAP NO 4315 ELEV. 629.90 (CITY DATUM)

SEE SHEET NO 9



SEE SHEET NO 11

SEE SHEET NO 15



SCALE 1" = 40'

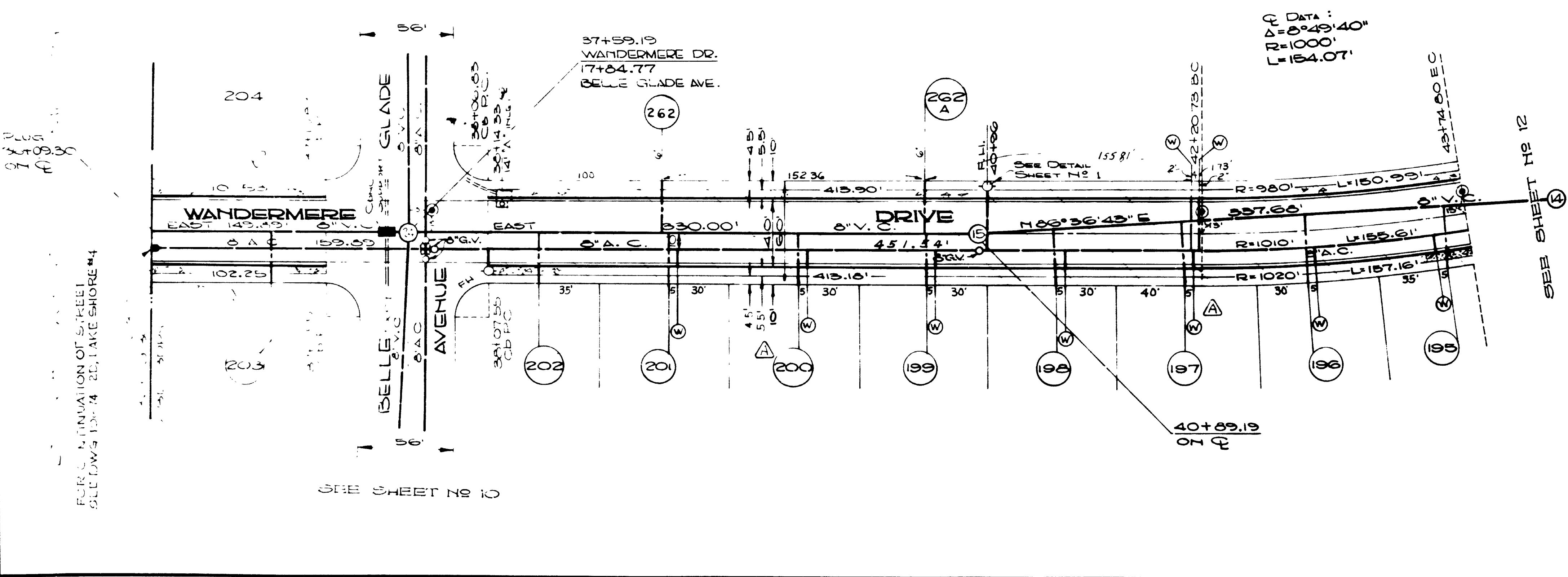
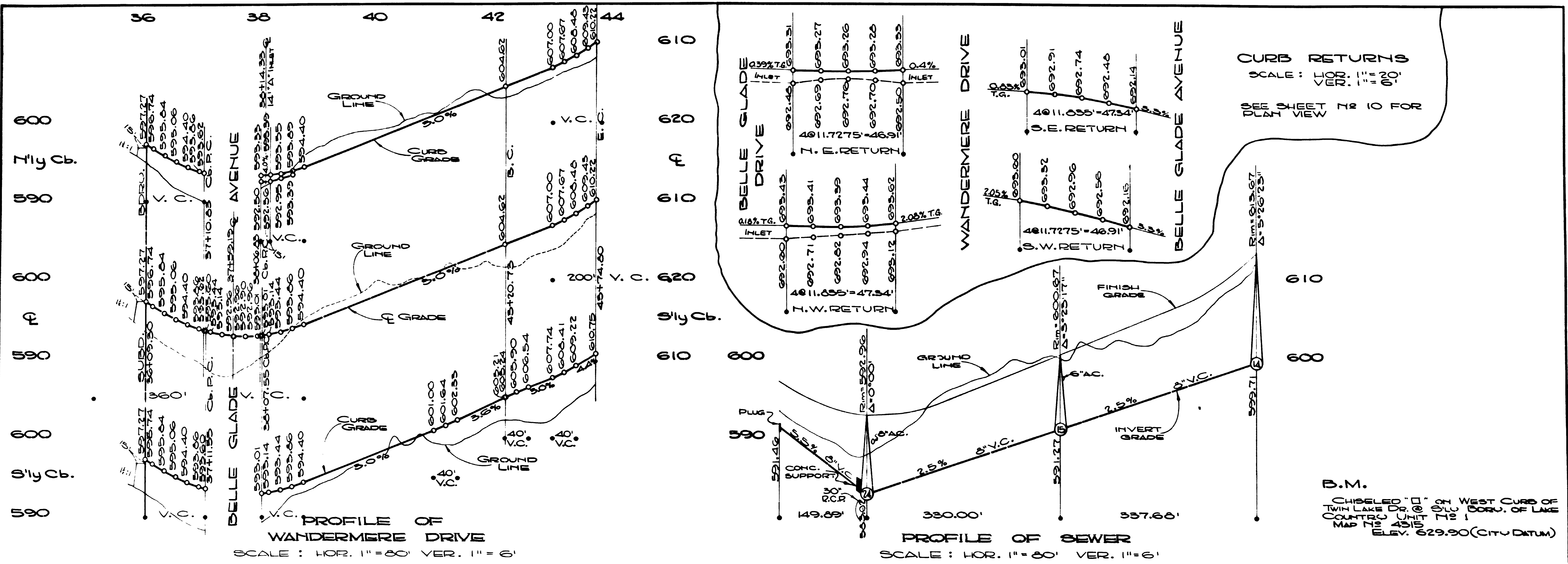
PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND • EVERSON & CHRISTENSEN
Bill K. Brunk R.C.E. 8102

LAKE SHORE UNIT NO 3		BELLE GLADE AVENUE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 10 OF 20 SHEETS	
W.D. 76654		NO. 106010-D	
CHANGE	BY	DATE	APPROVAL
AS BUILT	CEA	8/68	<i>[Signature]</i>
CONSTRUCTION RECORD		APPROVALS FOR	
MAY 13, 1982		MARCH 21, 1968	
SITE COMPLETE		ELECTRICAL	
STRUCTURAL		MECHANICAL	
TRAFFIC		OTHER	
CONTR. E.L. HAZARD		MHP SEE SHEET 1	
FIELD BOOK			

MICROFILMED
1969

AS BUILT

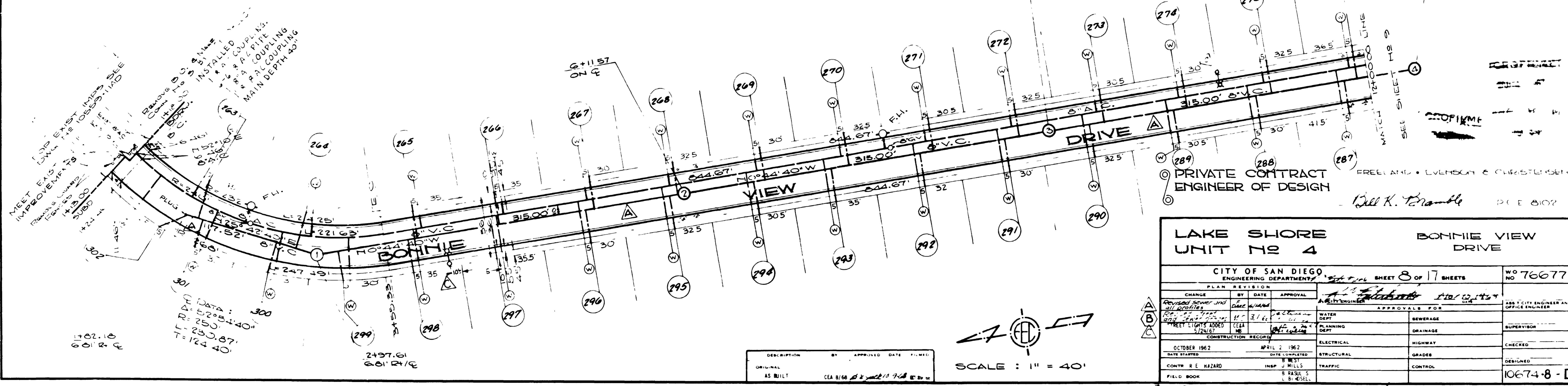
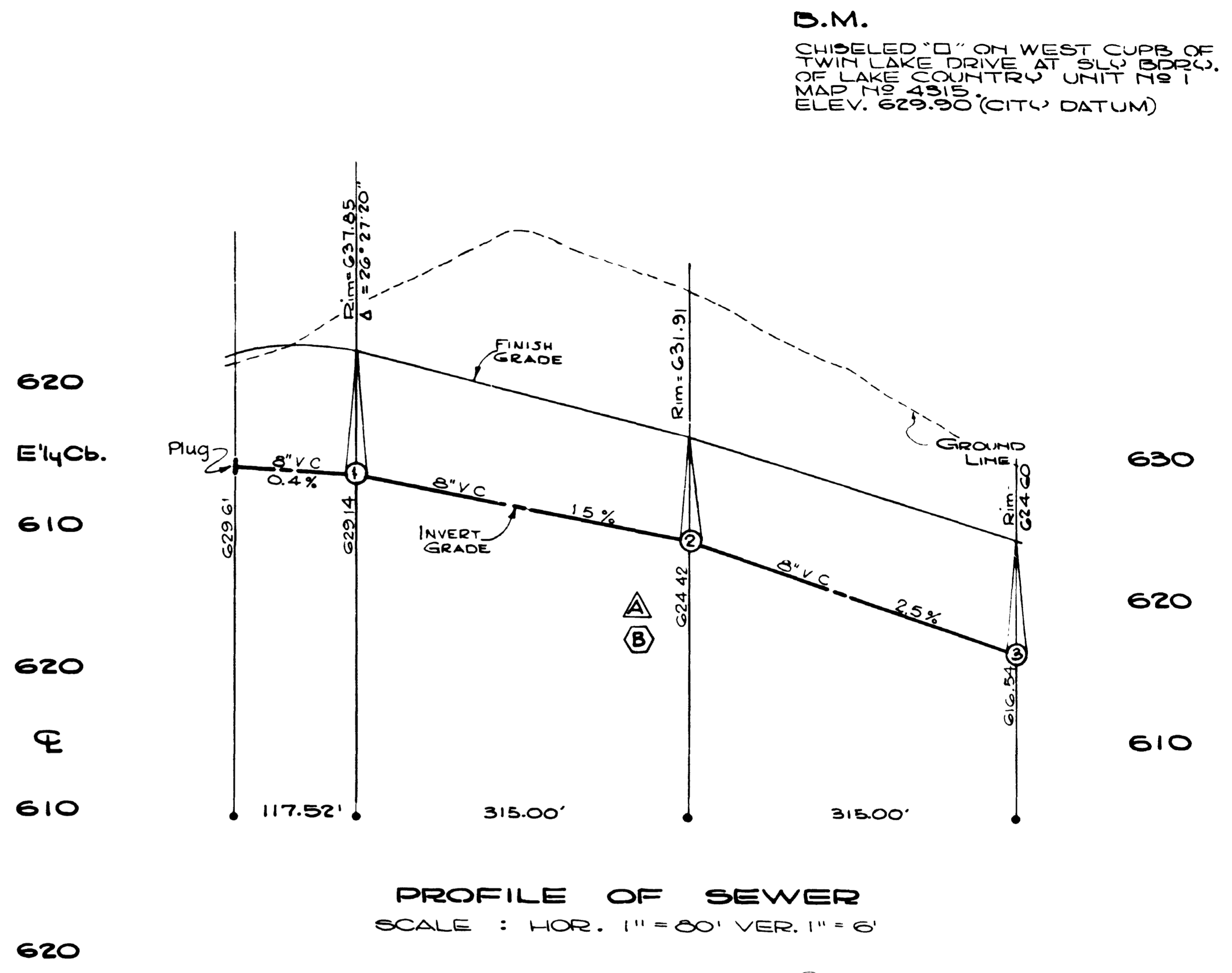
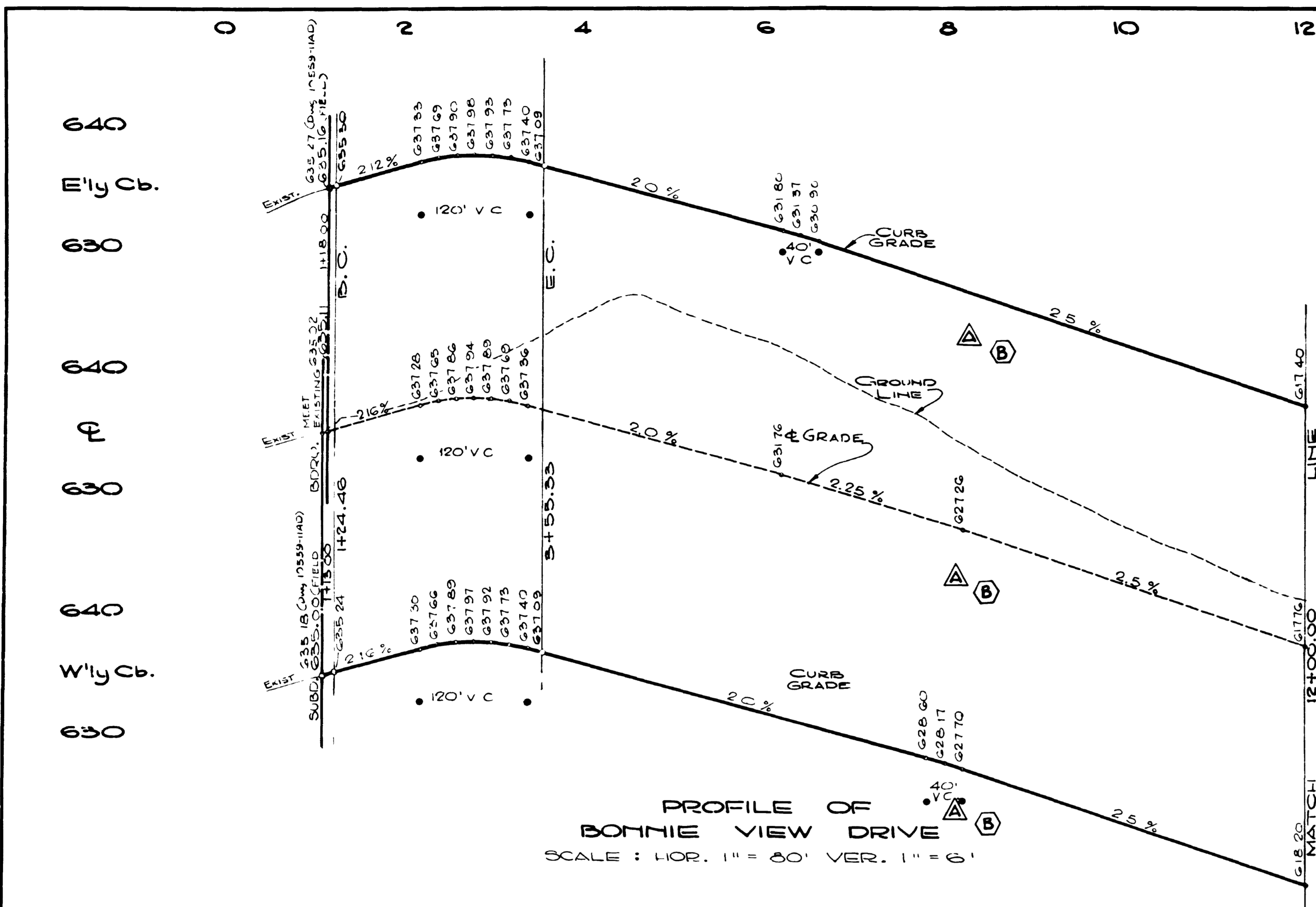
A-5083



PRIVATE CONTRACT FREELAND • EVENSON & CHRISTENSEN
ENGINEER OF DESIGN
Bill K. Brumby RCE 8102

LAKE SHORE UNIT NO 3		WANDERMERE DRIVE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 11 OF 20 SHEETS	
NO. 76654			
CHANGE	BY	DATE	APPROVAL
AS BUILT	CEA	8/66	<i>[Signature]</i>
CONSTRUCTION RECORD		APPROVALS FOR	
JULY 13, 1962	SAVE STARTED	MARCH 21, 1966	SAVE COMPLETED
CORNER E. HAZARD	MAP SEE SHEET 1	TRAFFIC CONTROL	<i>[Signature]</i>
FIELD BOOK			

AS BUILT MICROFILMED **A-5083** IN 1963



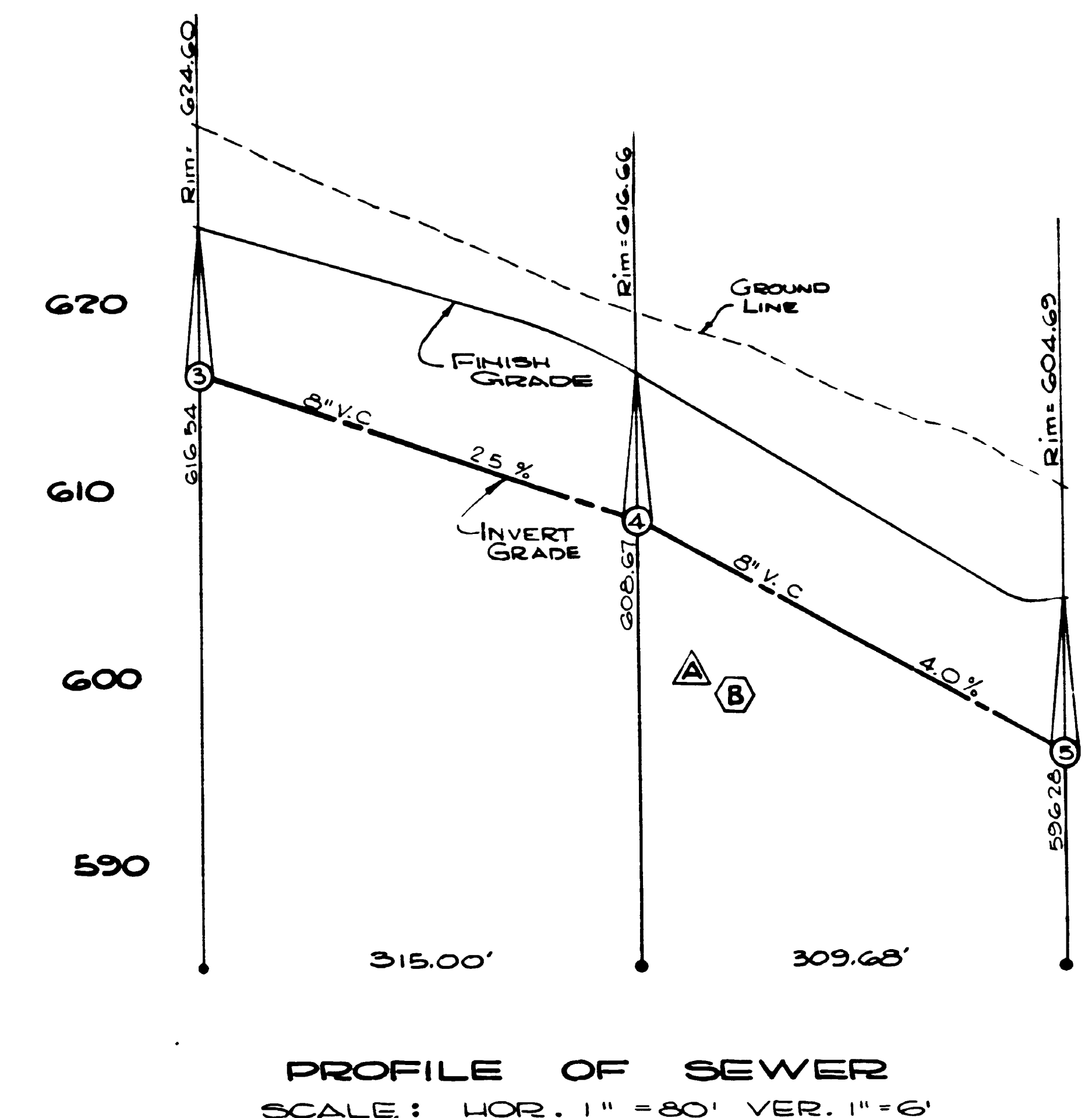
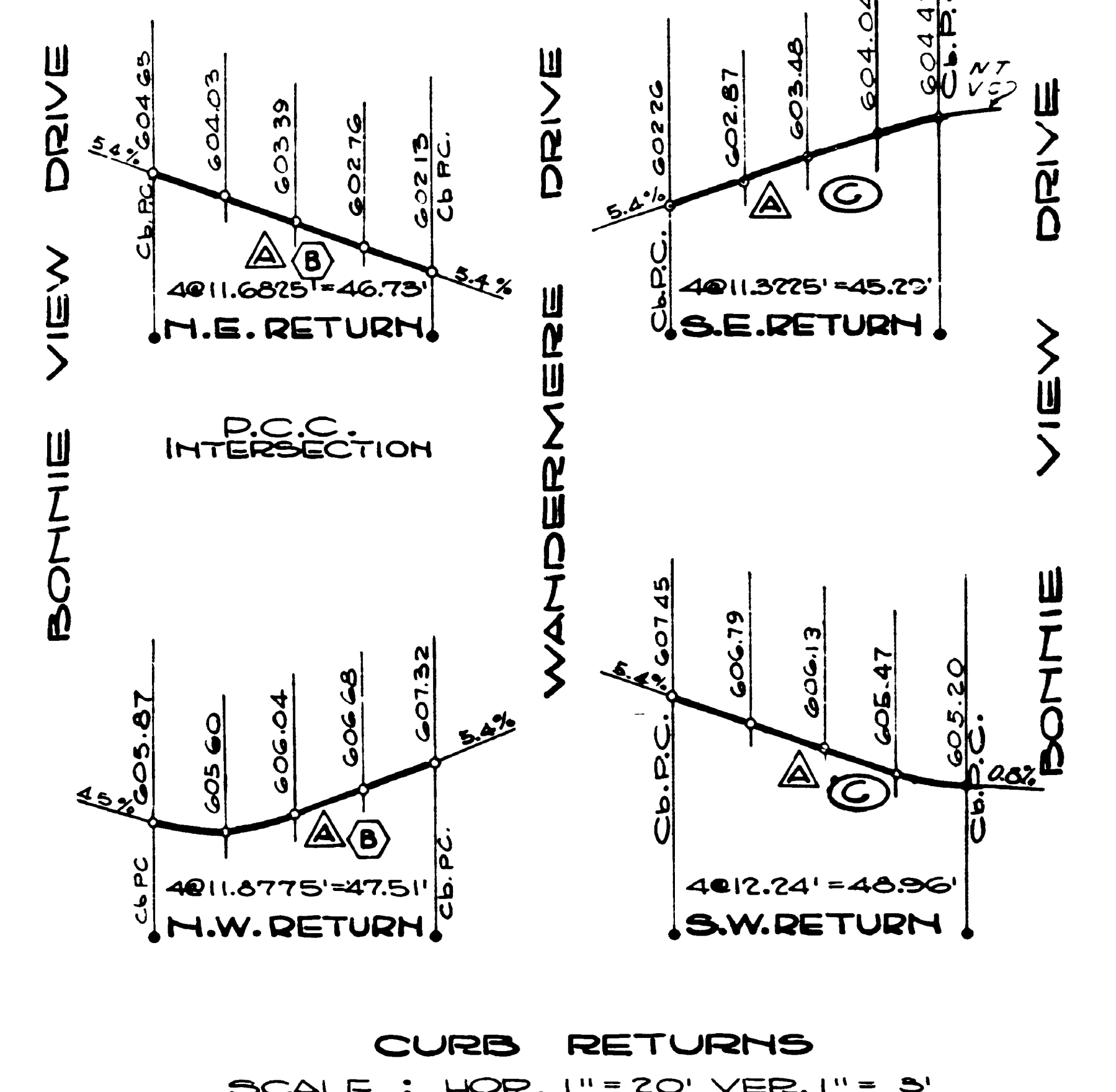
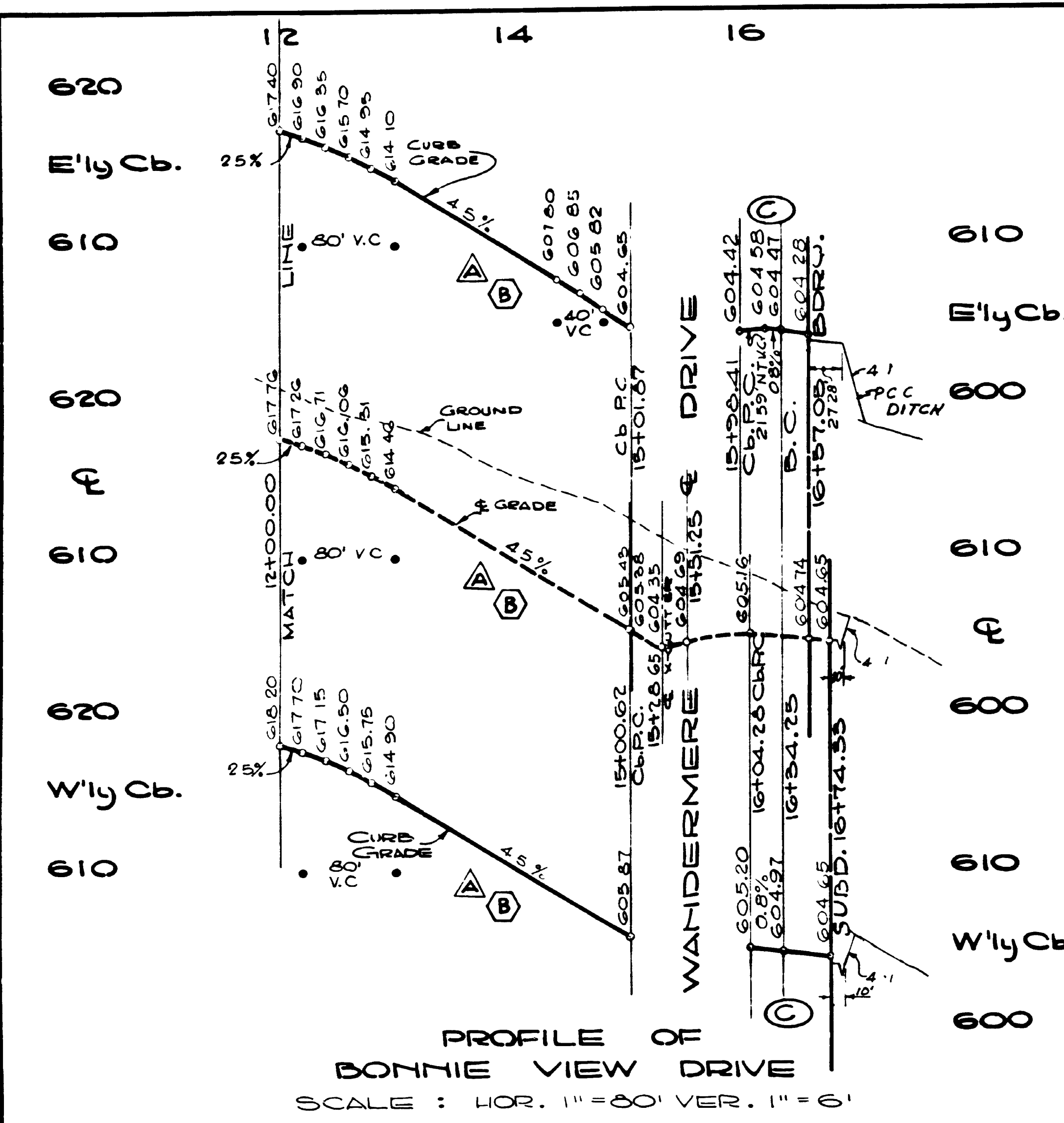
B.M.
CHISELED "O" ON WEST CURBS OF TWIN LAKE DRIVE AT SLD BDRY. OF LAKE COUNTRY UNIT NO 1 MAP NO 4315 ELEV. 629.90 (CITY DATUM)

MEET EXIST. IMPROVEMENTS...
DATA: 1102.10, 601.2' R, T=124.40'
2497.61, 681.21' R/C

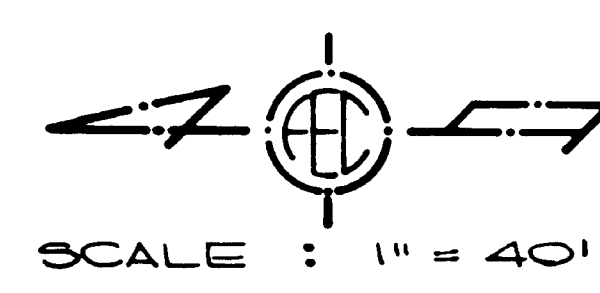
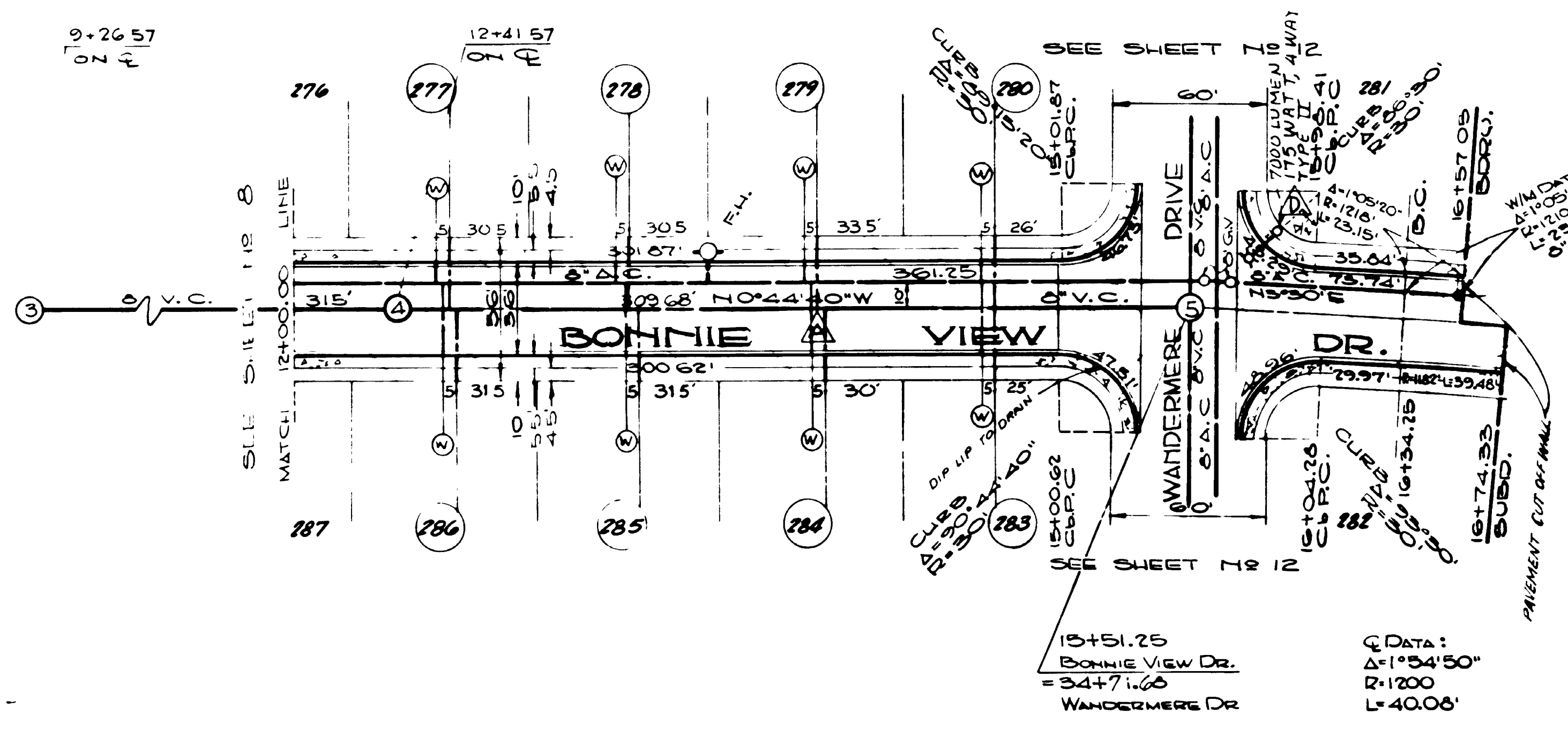
PROFESSIONAL ENGINEER
FREELAND, LUTHELMAN & CHRISTENSEN
Bill K. Brantle
P.E. 8102

LAKE SHORE UNIT NO 4		BONNIE VIEW DRIVE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 8 OF 17 SHEETS	
NO. 76677			
CHANGE	BY	DATE	APPROVAL
Revised sewer and all profiles	Bill K. Brantle	10/2/62	Bill K. Brantle
DATE STARTED	DATE COMPLETED	DATE CHECKED	DATE APPROVED
OCTOBER 1962	APRIL 2 1962	APRIL 2 1962	APRIL 2 1962
CONTR. R.E. HAZARD	INSP. J. HILLS	TRAFFIC	CONTROL
FIELD BOOK	5 PAGE 5	L. B. MODEL	

AS BUILT A-5084



B.M.
CHISELED 'D' ON WEST CURB OF TWIN LAKE DRIVE AT S.W. BDRY. OF LAKE COUNTRY UNIT NO. 1 MAP NO. 4315. ELEV. 629.90 (CITY DATUM)



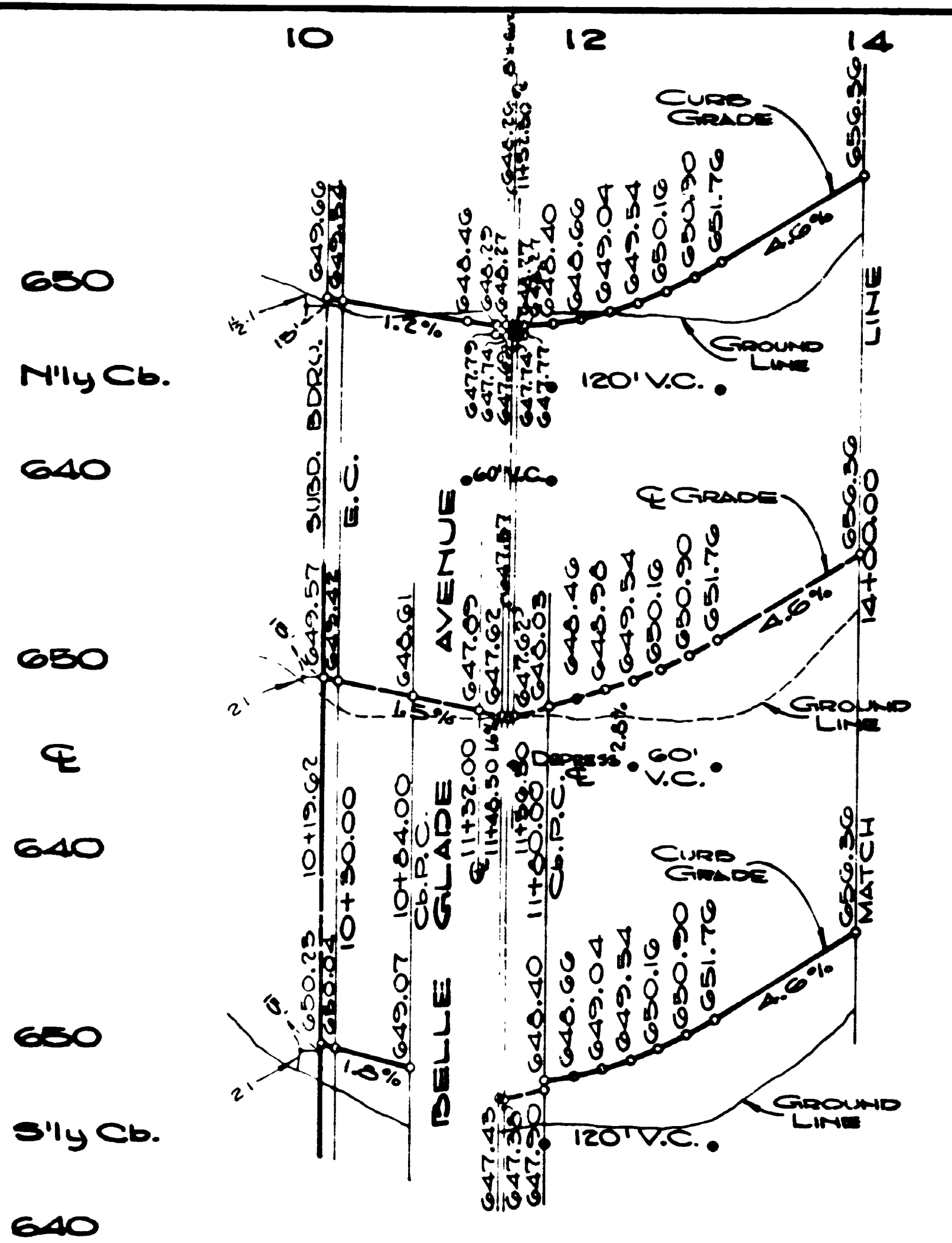
FOR CONTINUATION OF STREET SEE DWG. N912656-6-D LAKE SHORE, UNIT NO. 9

CHANGE	BY	DATE	APPROVAL
STREET LIGHTS ADDED	CEA	5/24/67	
AS BUILT	CEA	8/16/68	

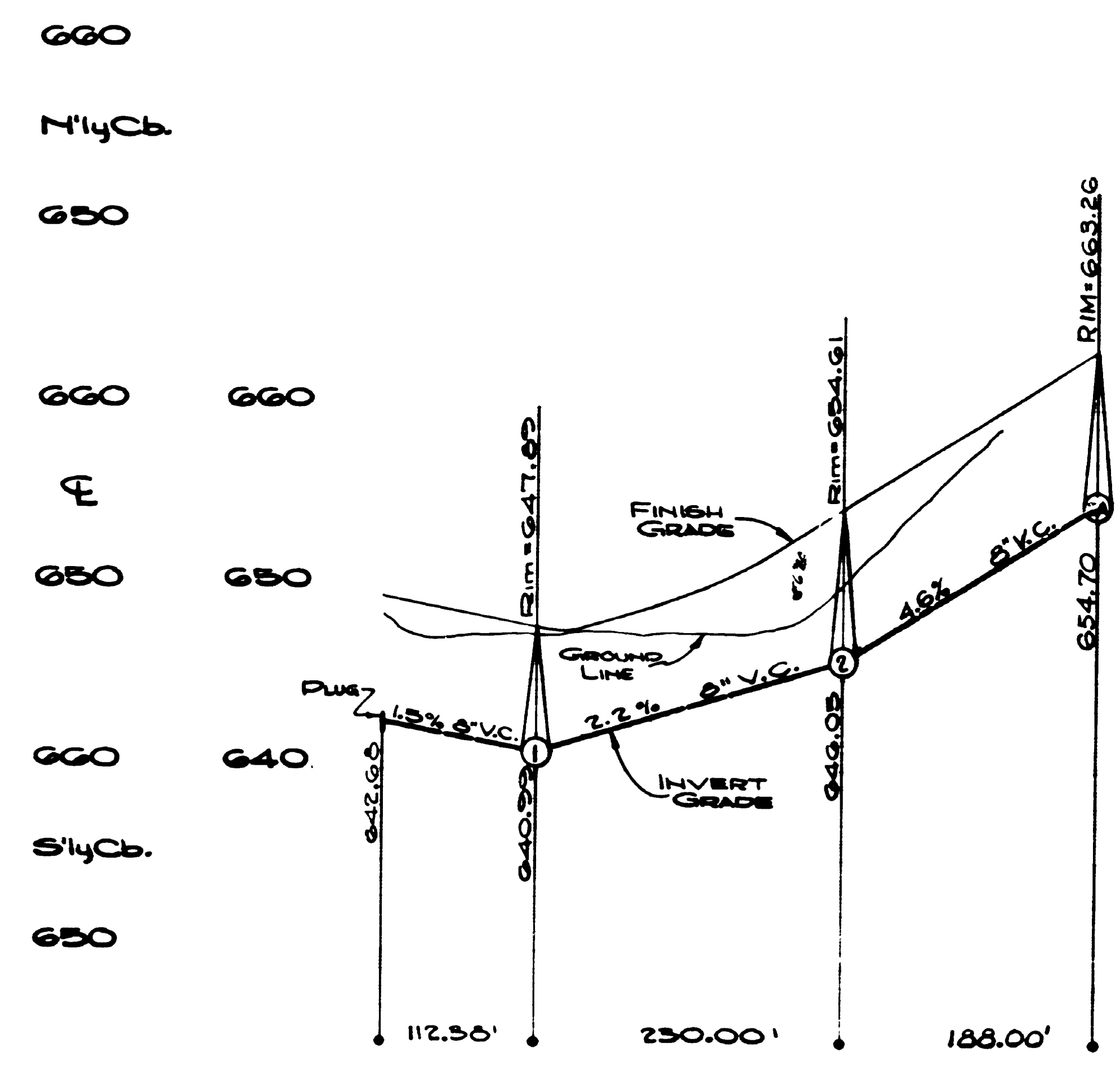
PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND • EVENSON & CHRISTENSEN
Bill K. Brantley P.E. 0102

LAKE SHORE UNIT NO. 4		BONNIE VIEW DRIVE		WO NO 76677
CITY OF SAN DIEGO ENGINEERING DEPARTMENT SHEET 9 OF 17 SHEETS				
PLAN REVISION		APPROVALS FOR		SUPERVISOR
CHANGE	BY	DATE	APPROVAL	CHECKED
DESIGNED AND ALL NOTES	DAVE WILSON	3/1/67		
REVISED				
AS BUILT	CEA	8/16/68		
CONSTRUCTION RECORD		ELECTRICAL		CHECKED
OCTOBER 1962		APRIL 2 1968		
DATE SHIPPED		DATE LICENSED		
CONTR. & HAZARD		INSPECTION		
FIELD BOOK		TRAFFIC CONTROL		
				10674-9-D

AS BUILT A-5084

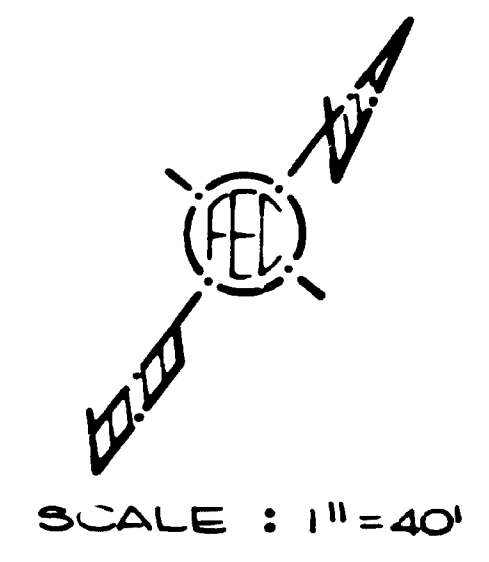
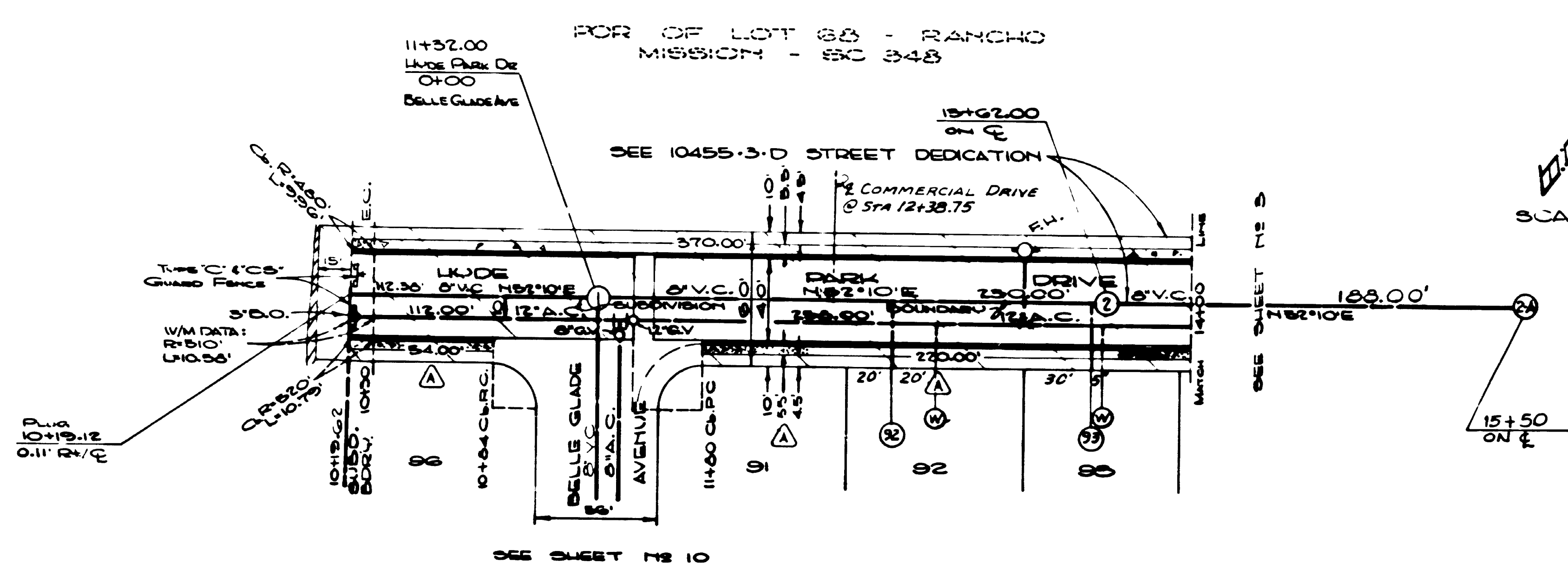


PROFILE OF LAKE PARK DRIVE
SCALE: HOR. 1" = 80' VER. 1" = 6'



PROFILE OF SEWER
SCALE: HOR. 1" = 80' VER. 1" = 6'

B.M.
CHISELED "D" ON WEST CURB
OF TWIN LAKE DR. @ SUB. BDRY.
OF LAKE COUNTRY UNIT NO 1
MAP NO 4515
ELEV. 629.90 (CITY DATUM)

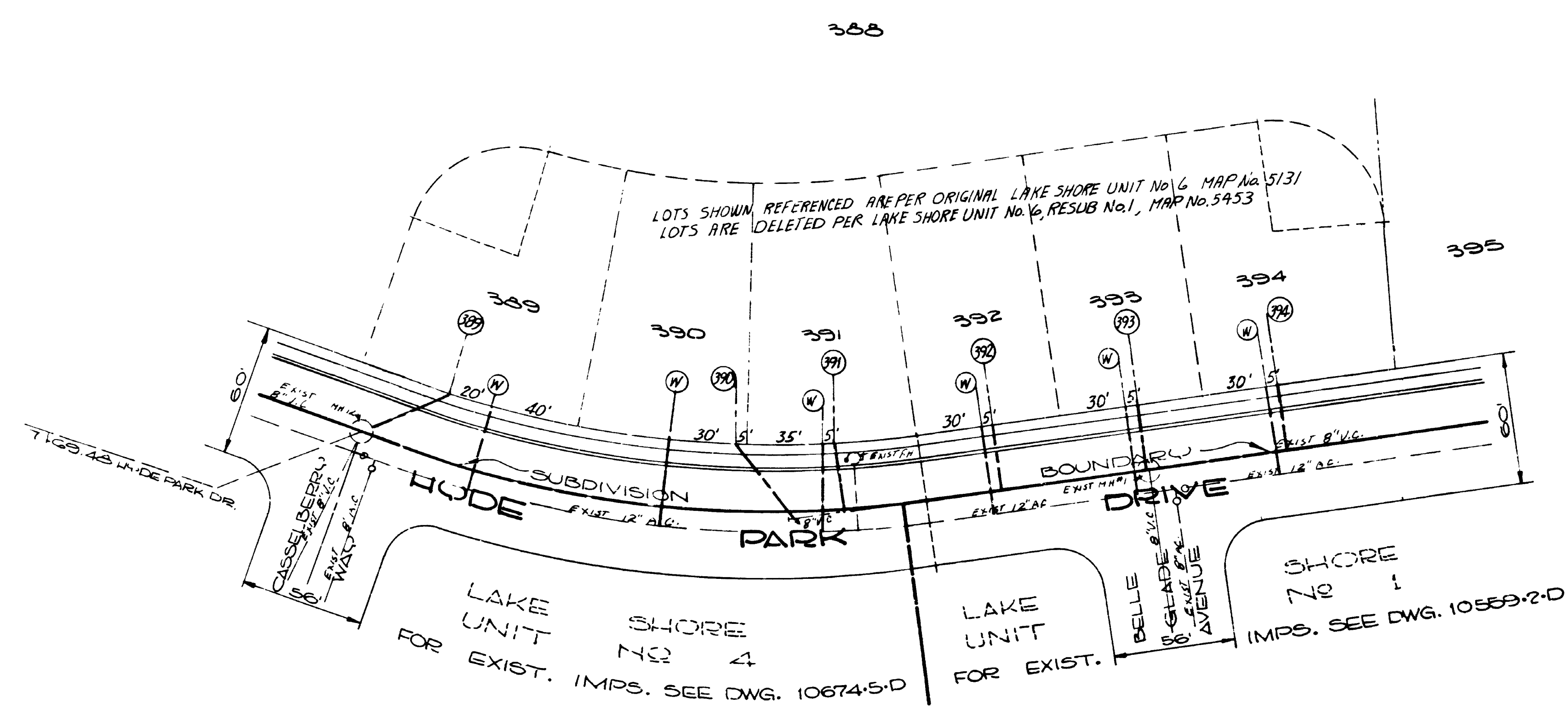


PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND • EVENSON & CHRISTENSEN
Bill K. Brantley RCE 0102

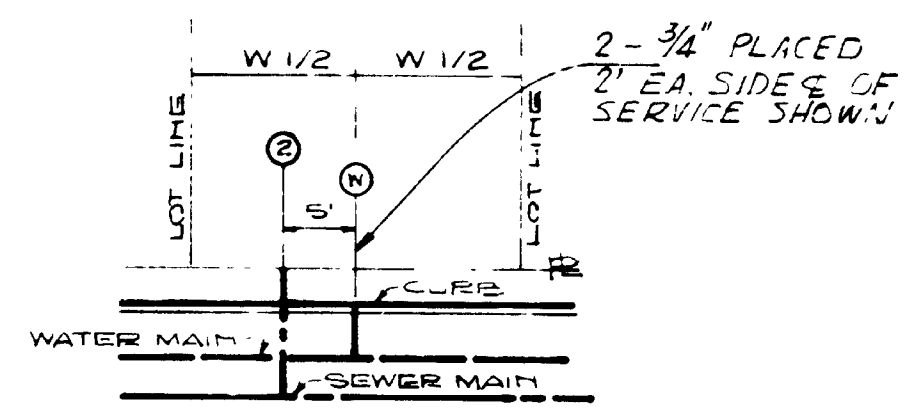
LAKE SHORE UNIT NO 1		LAKE SHORE DRIVE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 2 of 20 SHEETS	
PLAN REVISION		NO. 76546	
CHANGED	BY DATE	APPROVAL	DATE
AS BUILT	ER 1/17/67	ER 1/17/67	8/10/67
AS BUILT	ER 1/17/67	ER 1/17/67	8/10/67
JUNE 1962	SEPT. 26, 1966	ELECTRICAL	MECHANICAL
SUNSET	INTERMEDIATE	PLUMBING	PAVING
FIELD BOOK	INTERMEDIATE	PAVING	PAVING

MICROFILMED JAN 27 1967
AS BUILT
MICROFILMED JAN 15 1967
A-5082

SEWER LATERAL DATA TABLE						
LOT	INV. TO MAIN	DEPT. TO MAIN	INVERT	CURB	DEPTH	REMARKS
	ELEV.	ELEV.	FE	ELEV.	FE	
389	635.8	0.3	640.5	180	640.5	5.0
390	648.16	0.3	644.7	170	650.0	5.3
391	648.04	0.3	645.0	37.8	650.0	5.0
392	641.99	0.3	644.1	300	647.1	5.0
393	640.99	0.3	643.4	300	646.8	5.0
394	647.14	0.3	649.4	300	648.1	5.0
396	649.74	0.3	677.6	630	678.3	7.7
398	670.88	0.3	675.6	630	648.2	7.6
397						ERASEMENT CONC.



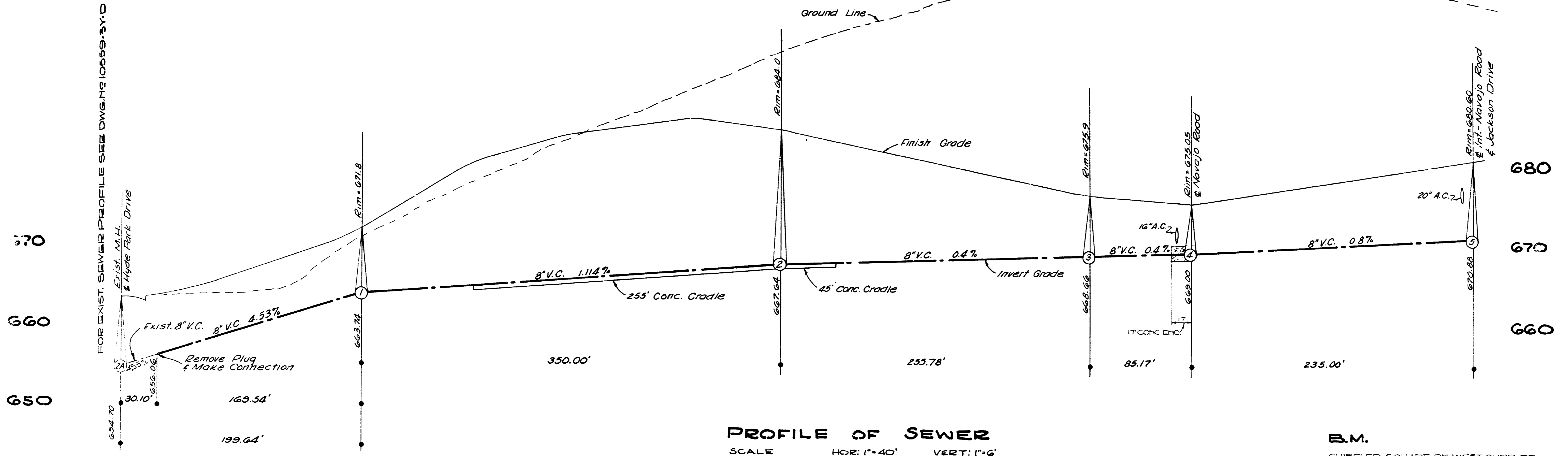
B.M.
CHISELED SQUARE ON WEST CURB OF
TWIN LAKE DRIVE @ SW CORNER OF
LAKE COUNTRY UNIT No. 1, MAP No. 24315.
ELEV. 629.90 (CITY DATUM)



PRIVATE CONTRACT ENGINEER OF DESIGN
FRELAND · EVENSON & CHRISTENSEN
Bill K. Brantle R.C.E. 3102

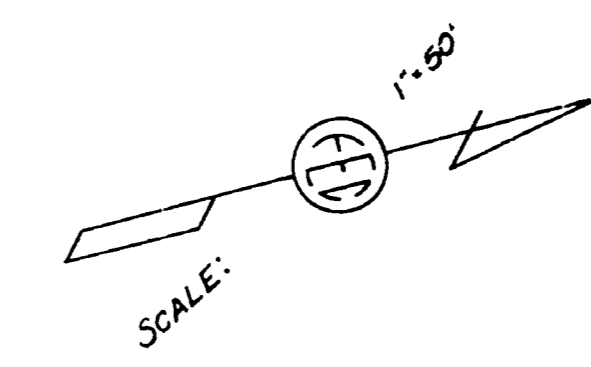
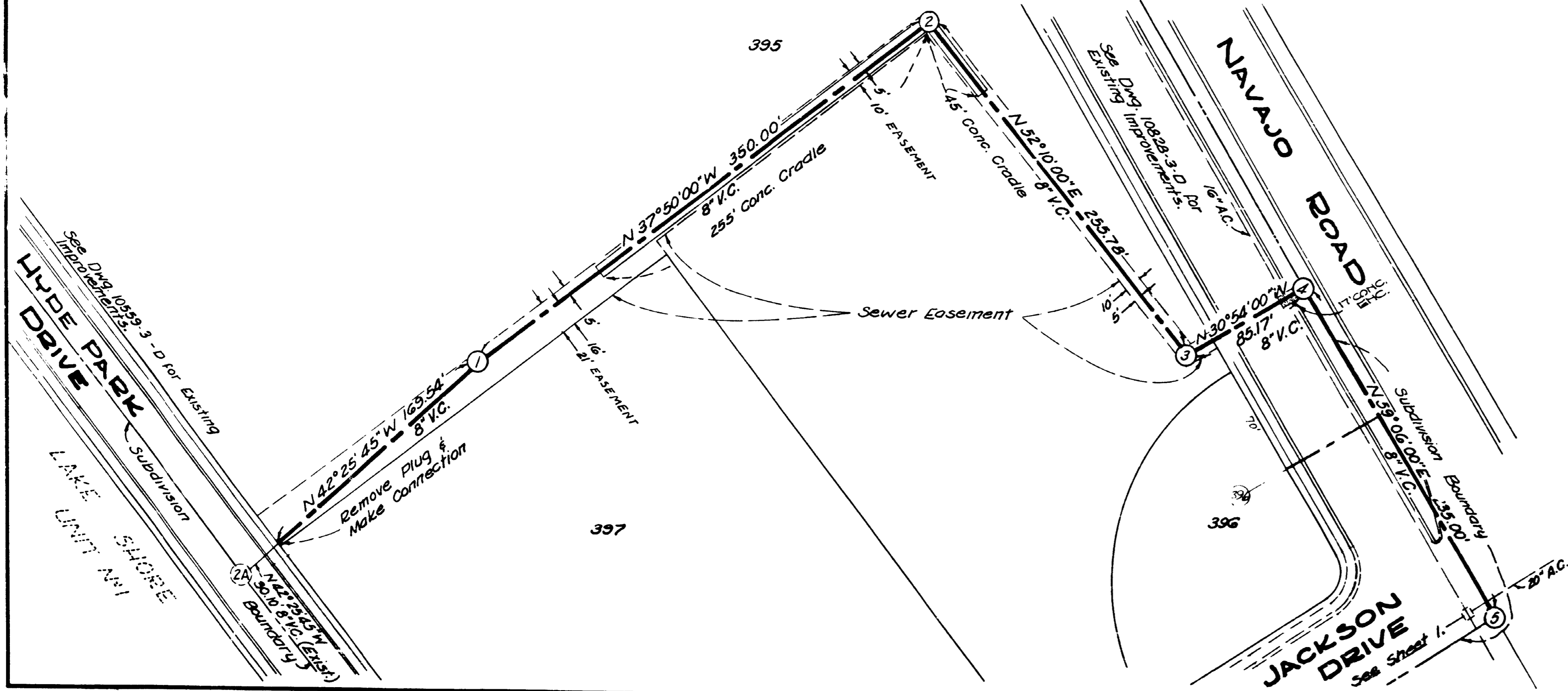
LAKE SHORE UNIT NO. 6		ALLEY	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 2 OF 3 SHEETS	
W.O. NO. 76775			
PLAN REVISION		APPROVAL	
CHANGE	BY	DATE	APPROVAL
AS BUILT	R.M.C.	2-26-63	Mar 9, 1963
CONSTRUCTION RECORD		APPROVALS FOR	
DATE STORED	BY	DATE	APPROVAL
2-26-63	R.P. WEST	3-4-64	
FIELD BOOK		DESIGNED	
		108862-D	

AS BUILT A-5120



PROFILE OF SEWER
SCALE HOR: 1"=40' VERT: 1"=6'

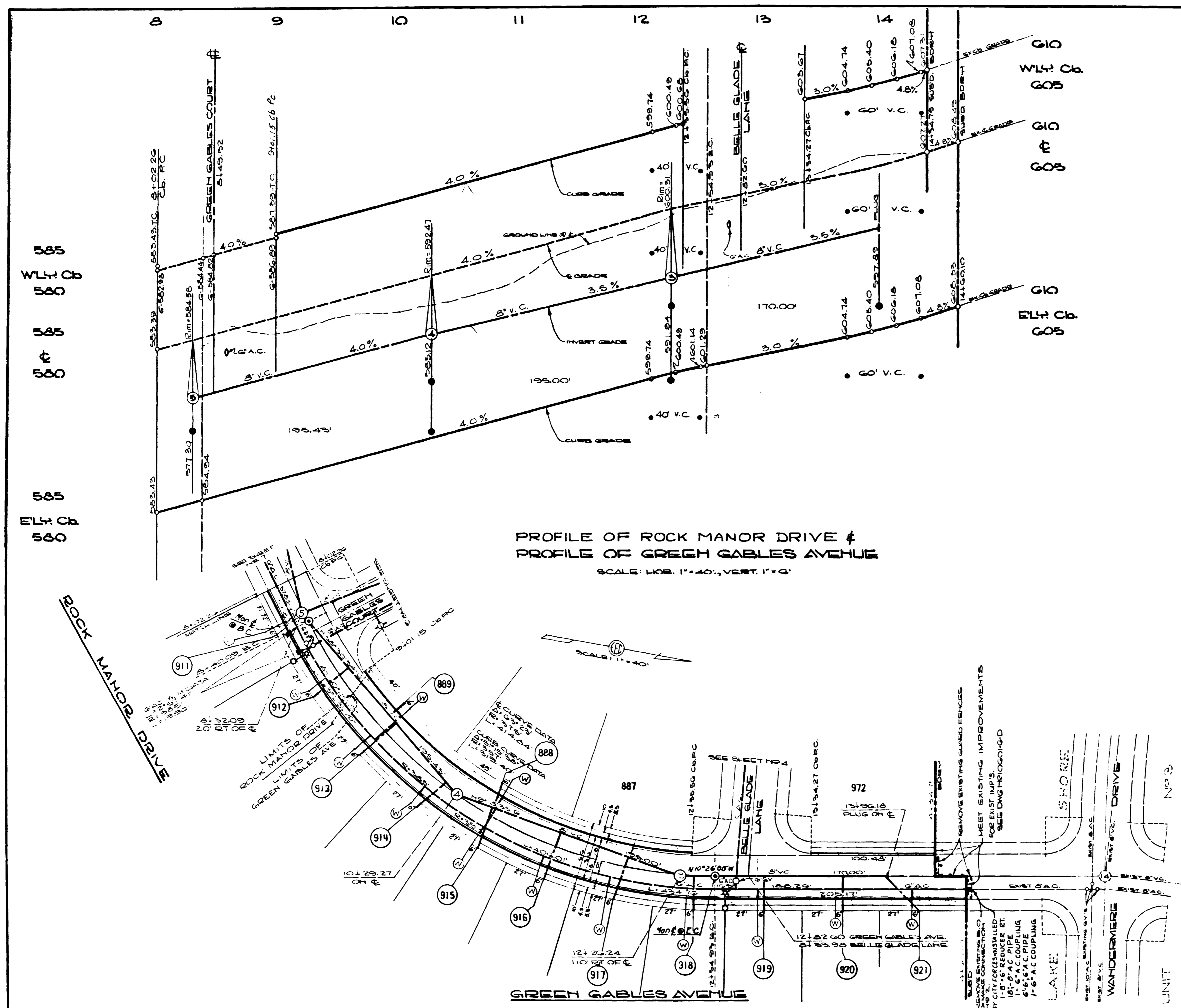
B.M.
CHISELED SQUARE ON WEST CURB OF TWIN LAKE DRIVE @ SW CORNER OF LAKE COUNTRY UNIT NO 1 MAP H94315. ELEV. 629.00 (CITY DATUM)



PRIVATE CONTRACT ENGINEER OF DESIGN FREELAND • EVENSON & CHRISTENSEN
Bill L. Brantley P.C.E. 8102

LAKE SHORE UNIT NO 6		SEWER	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT			W.D. NO. 76775
SHEET 3 OF 3 SHEETS			
CHANGE	BY	DATE	APPROVAL
AS BUILT	MC	2-26-63	2-19-65
CONSTRUCTION RECORD		DATE COMPLETED	DATE STARTED
		9-4-64	2-26-63
FIELD BOOK		TRAFFIC	CONTROL
			DESIGNED 10886-3-D

AS BUILT A-5120



PROFILE OF ROCK MANOR DRIVE &
PROFILE OF GREEN GABLES AVENUE
SCALE: HOR. 1"=40', VERT. 1"=6'

BENCH MARK:
CHISELED "D" ON WEST CURB OF TWIN LAKE DR.
AT 514' BORN OF LAKE COURTESY, UNIT NO 1,
MAP NO 4315
ELEV 629.80 (CITY DATUM) (ADD 6.12 TO ABOVE
ELEV'S TO OBTAIN M.S.L. DATUM)

PRIVATE CONTRACT: FREELAND, EVENSON & CHRISTENSEN
ENGINEER OF DESIGN: *Bill K. Brank*

LAKE SHORE UNIT NO 10 **ROCK MANOR DRIVE & GREEN GABLES AVENUE**

CITY OF SAN DIEGO ENGINEERING DEPARTMENT SHEET 5 OF 10 SHEETS W.O. NO 71038

CHANGE	BY	DATE	APPROVAL
AS BUILT	ENGR	3-21-69	<i>[Signature]</i>

CONSTRUCTION RECORD

PLANNING	DESIGN	CONSTRUCTION
ELECTRICAL	STRUCTURAL	TRAFFIC
APRIL 1967	3-21-69	
CONTR. CLA-JDHN	INSP BIRDSELL	
FIELD BOOK 228-1755		

APPROVALS FOR: WATER, SEWER, DRAINAGE, HIGHWAY, GRADES, TRAFFIC

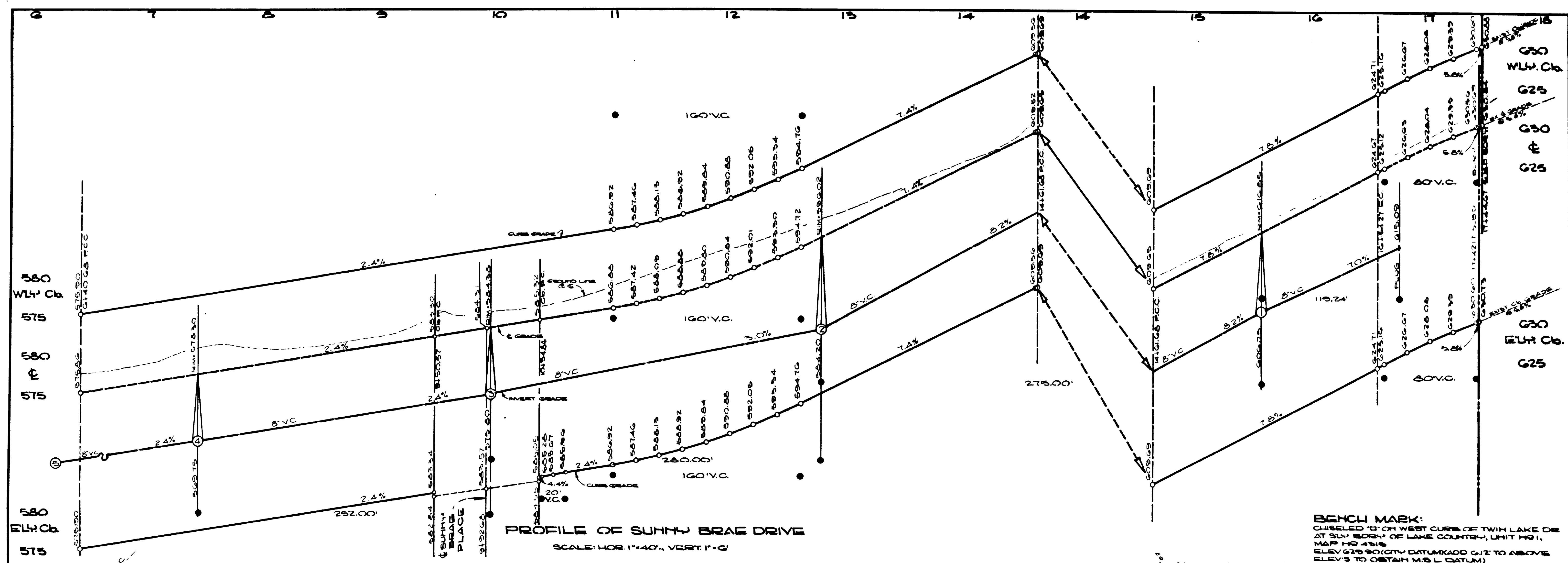
APRIL 1967 3-21-69

CONTR. CLA-JDHN INSP BIRDSELL

FIELD BOOK 228-1755

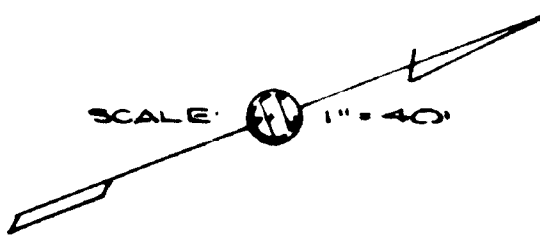
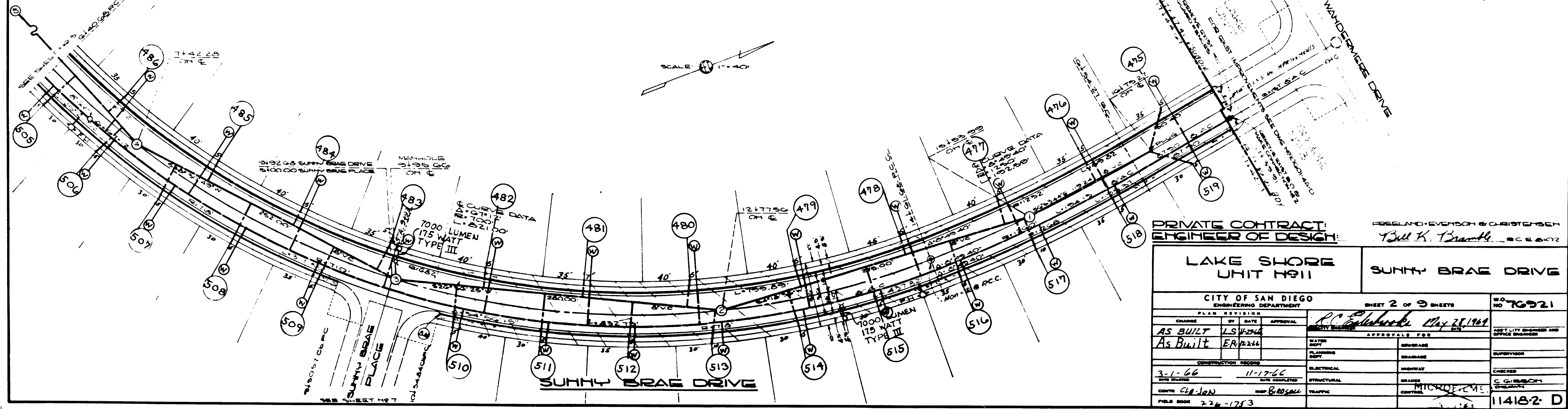
114175 D

MICROFILMED
1013
AS BUILT



PROFILE OF SUNNY BRAE DRIVE
SCALE: HOR. 1"=40', VERT. 1"=6'

BENCH MARK:
CHISELED "O" ON WEST CURB OF TWIN LAKE DR
AT SW CORNER OF LAKE COUNTRY, UNIT NO. 1,
MAP NO. 4818
ELEV. 625.90 (CITY DATUM) +0.12 TO ABOVE
ELEV. TO OBTAIN M.S.L. DATUM)



PRIVATE CONTRACT: ENGINEER OF DESIGN: *Bill K. Brantley*

LAKE SHORE UNIT #911

SUNNY BRAE DRIVE

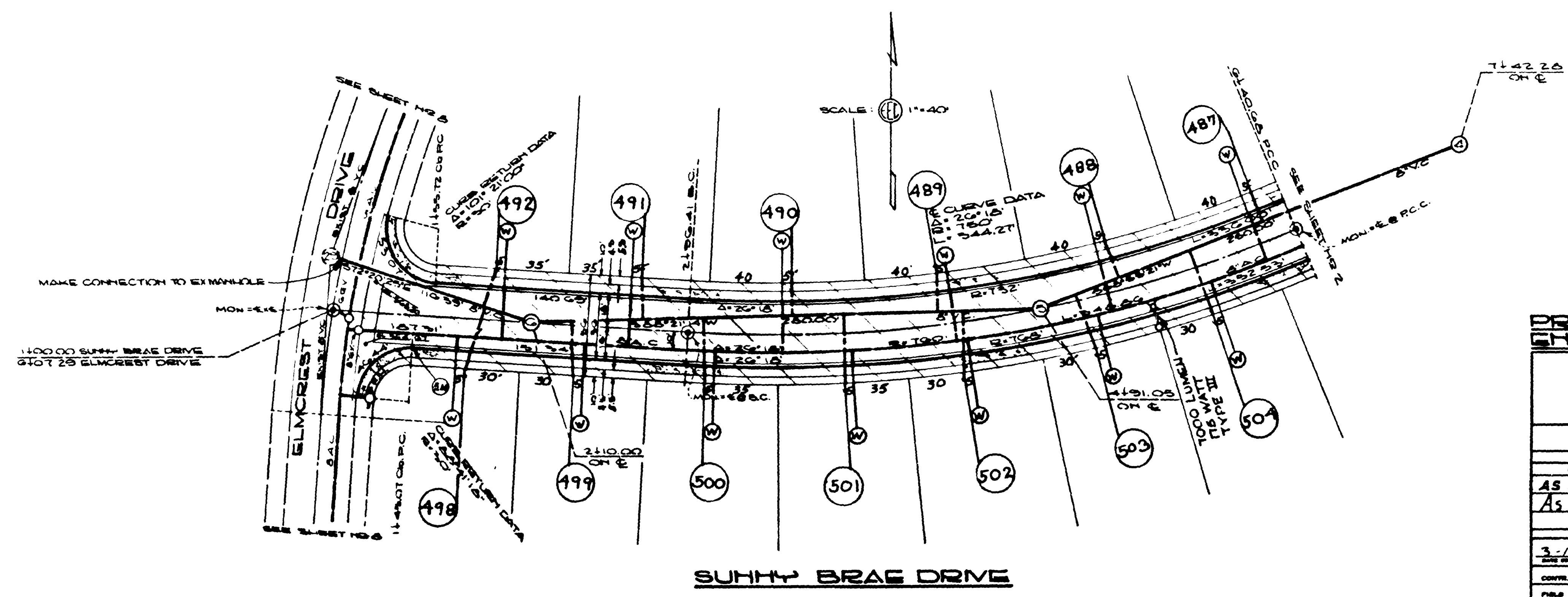
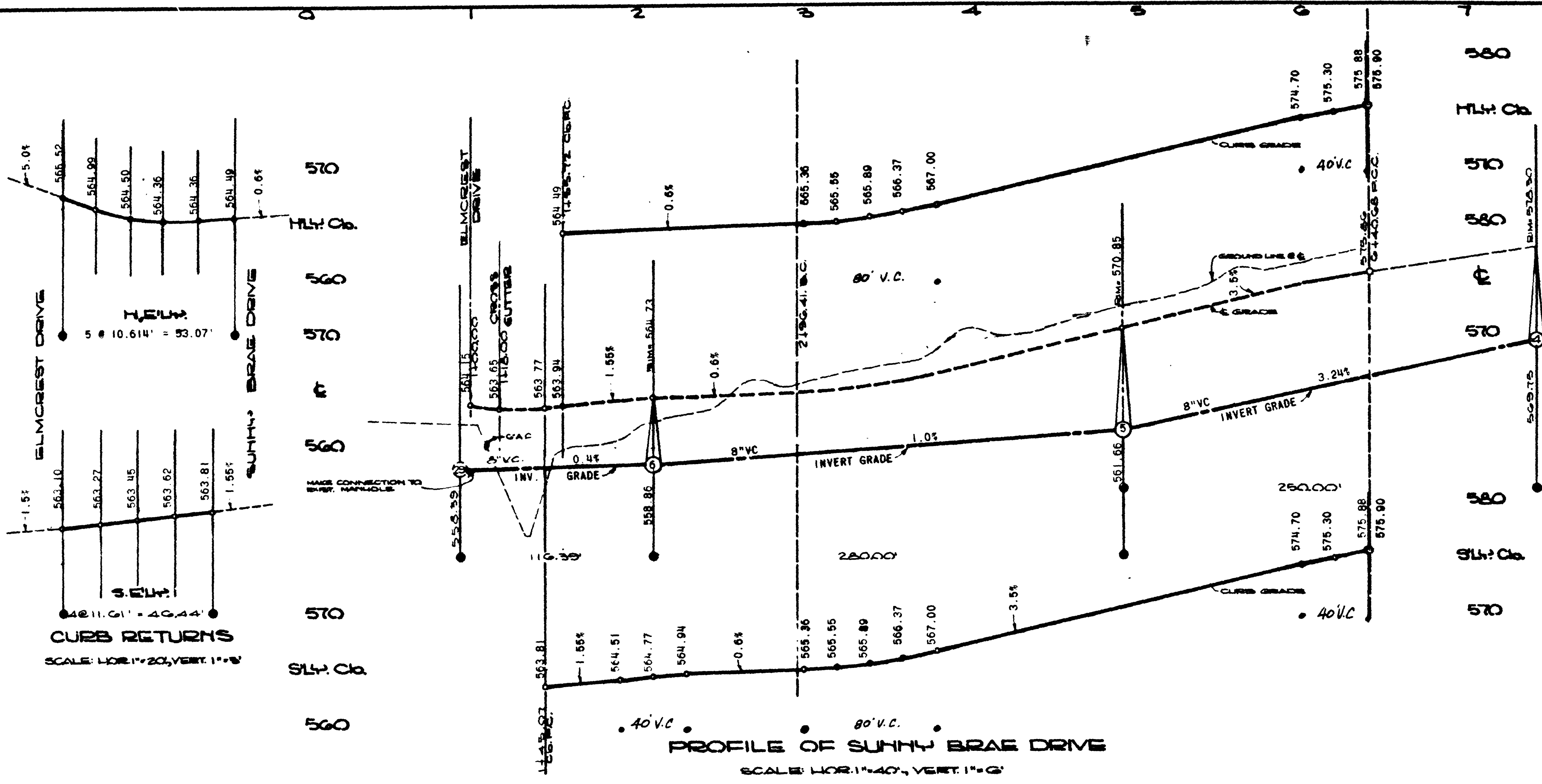
CITY OF SAN DIEGO ENGINEERING DEPARTMENT SHEET 2 OF 3 SHEETS NO. 76921

CHANGE	BY	DATE	APPROVAL	REVISION
AS BUILT	LS	11/2/66	<i>Bill K. Brantley</i>	11-2-66
As Built	ER	11/2/66		

CONSTRUCTION	APPROVALS	DATE
ELECTRICAL	APPROVED	11-2-66
PLUMBING	APPROVED	
MECHANICAL	APPROVED	
STRUCTURAL	APPROVED	
TRAFFIC	APPROVED	

FIELD BOOK 224-1783

MICROFILMED AS BUILT



PRIVATE CONTRACT: FRESLAND-EVERSON & CO. DISTRICT ENGINEER OF DESIGN: *Bill K. Bramble* C.E. 2102

LAKE SHORE UNIT 1011 **SUNNY BRAE DRIVE**

CITY OF SAN DIEGO ENGINEERING DEPARTMENT SHEET 3 OF 3 SHEETS NO. 70521

DATE	BY	DATE	APPROVAL
AS BUILT	L.S. 2/24		<i>[Signature]</i>
As Built	ER 2/14		<i>[Signature]</i>

APPROVALS: P.E. [Signature] DISTRICT ENGINEER AND OFFICE MANAGER

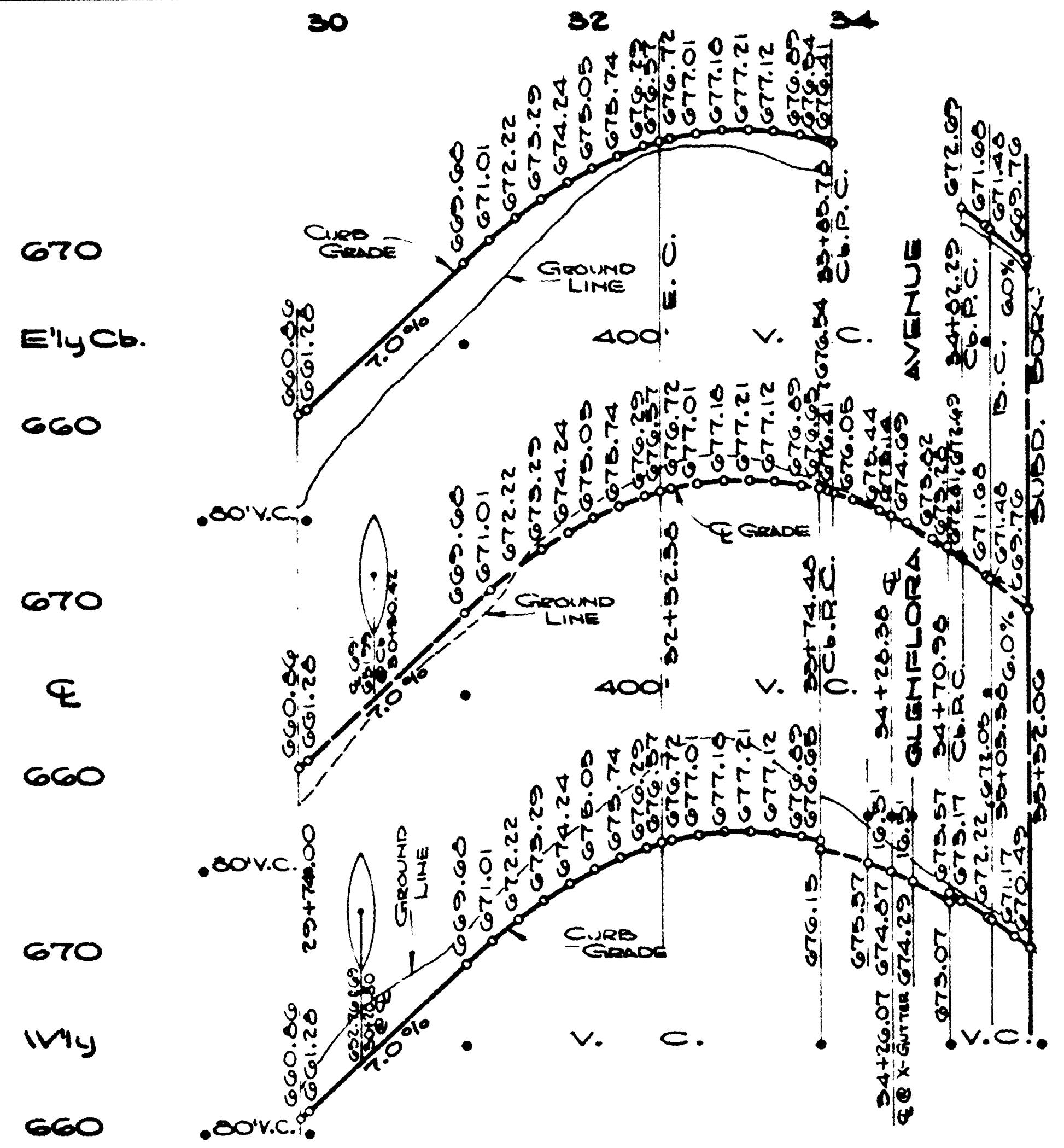
3-1-66 11-17-66

CONTR. CLS 102 226-753

DATE: JUN 7 1964

FILE NO. 114183 D

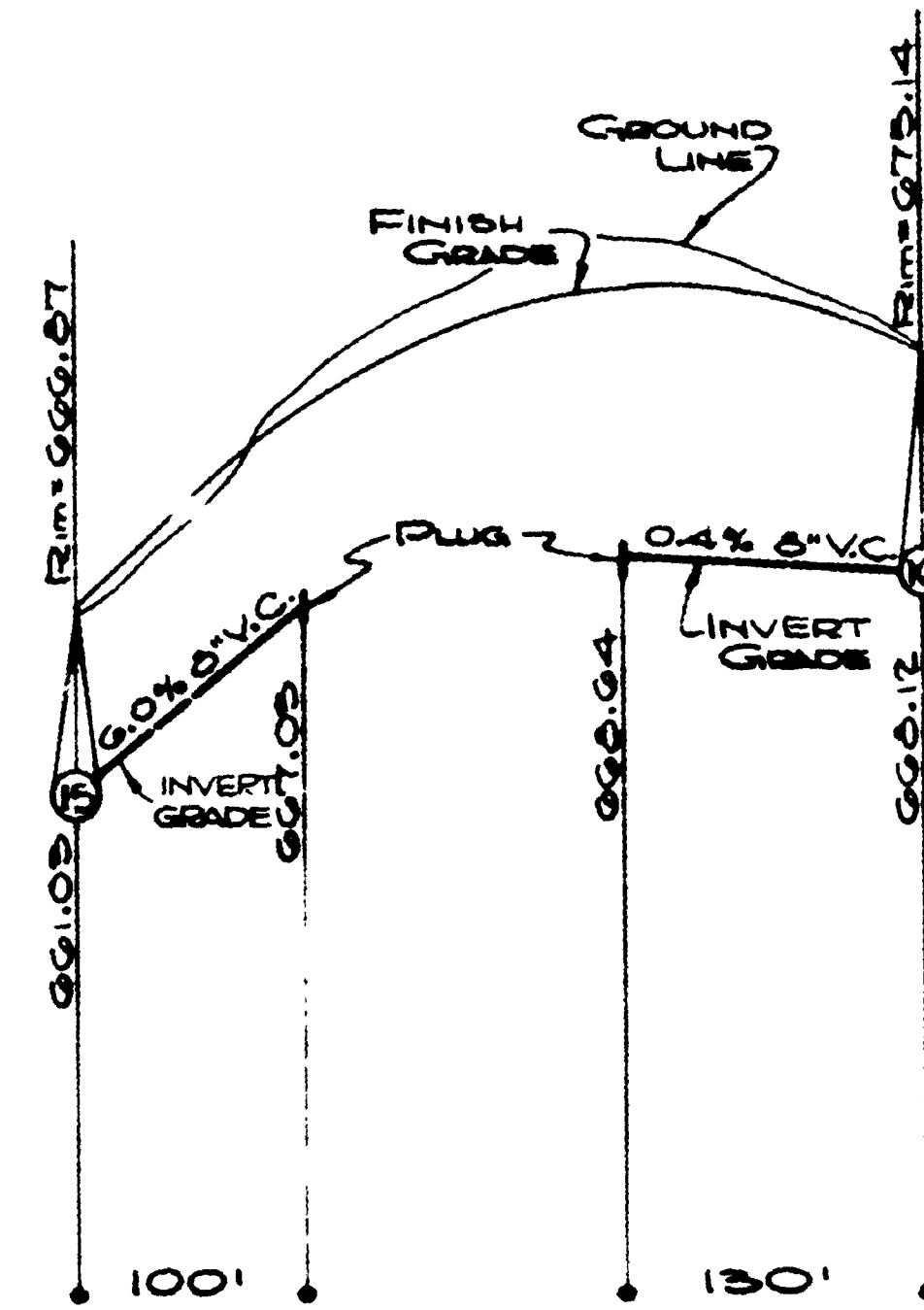
MICROFILMED AS BUILT



PROFILE OF GOLFCREST DRIVE
SCALE: HOR. 1" = 80' VER. 1" = 6'

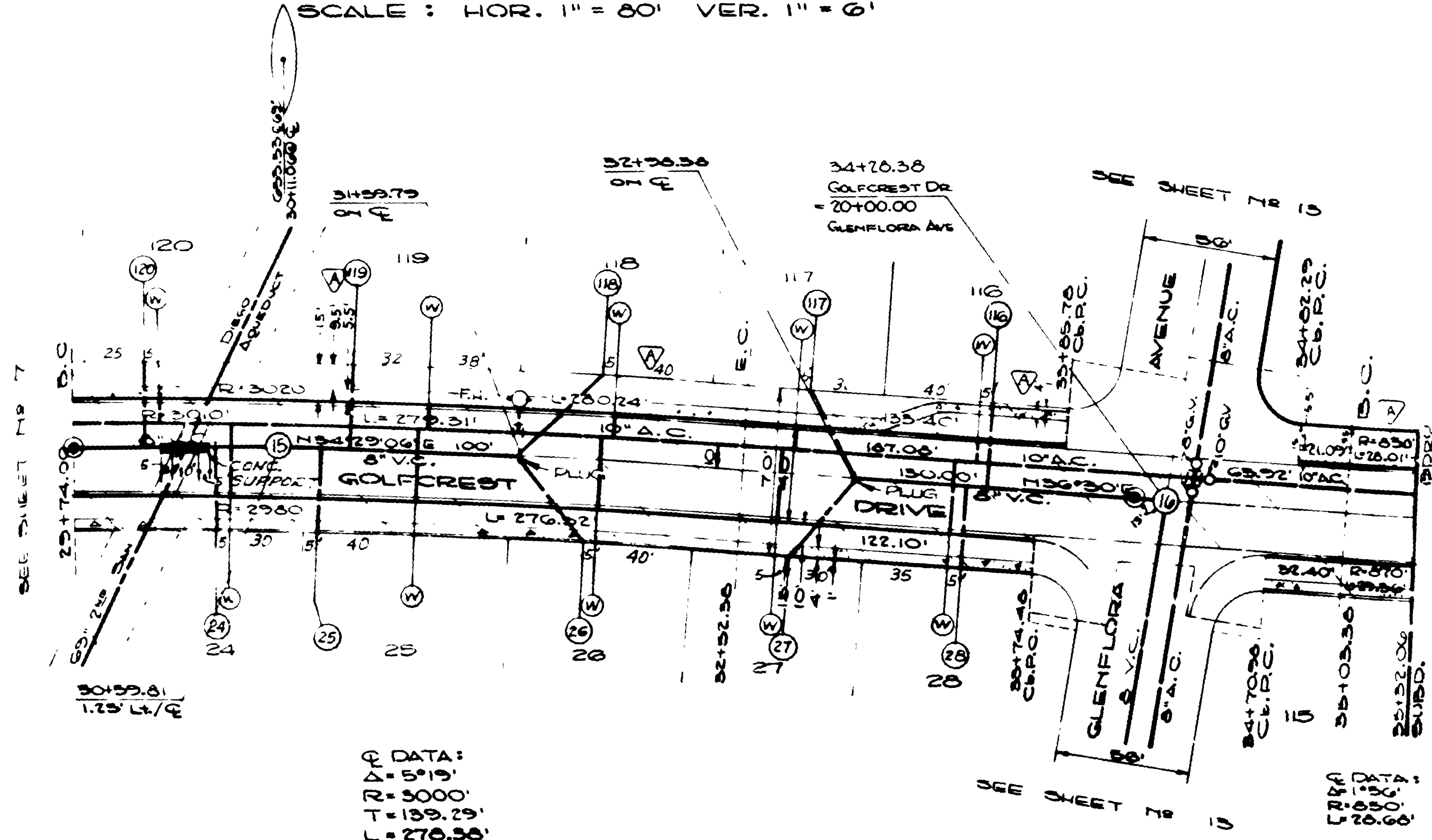
675
ElyCb.
665
675
F
665
675
VlyCb.
665

See Dwg. 10601-20 - STREET CONTINUES

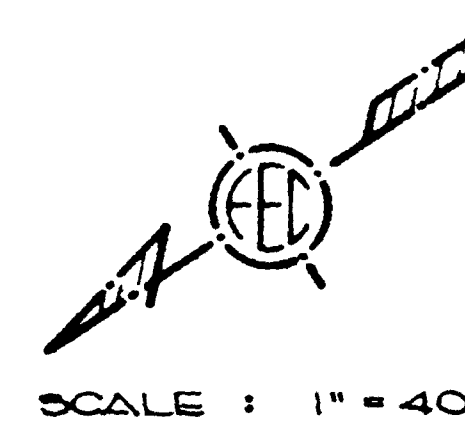


PROFILE OF SEVER
SCALE: HOR. 1" = 80' VER. 1" = 6'

D.M.
CHISELED 'D' ON WEST CURB OF TWIN LAKE DR. @ S.W. CORN. OF LAKE COUNTY UNIT NO. 1 MAP NO. 491D
ELEV. 625.90 (CITY DATA)



DATA:
R2 = 5'19"
T = 139.29'
L = 276.56'



SCALE: 1" = 40'

SEE DWG. 10601-20 STREET CONTINUES

PRIVATE CONTRACT FRENCH & EVERSON & CHRISTENSEN
ENGINEER OF DESIGN
Toll & Brandt RCE 6102

LAKE SHORE UNIT NO 1		GOLFCREST DRIVE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT			
SHEET 8 OF 20 SHEETS		NO. 76546	
DATE	BY	APPROVAL	CITY ENGINEER
JUNE 1982	ER 10/17	[Signature]	[Signature]
DESIGNED	CHECKED	APPROVED	DATE
PLANNING	DESIGN	CONSTRUCTION	DATE
STRUCTURAL	GRASS	TRAFFIC	DATE
FIELD BOOK	CONTRACT	10557-0-AD	

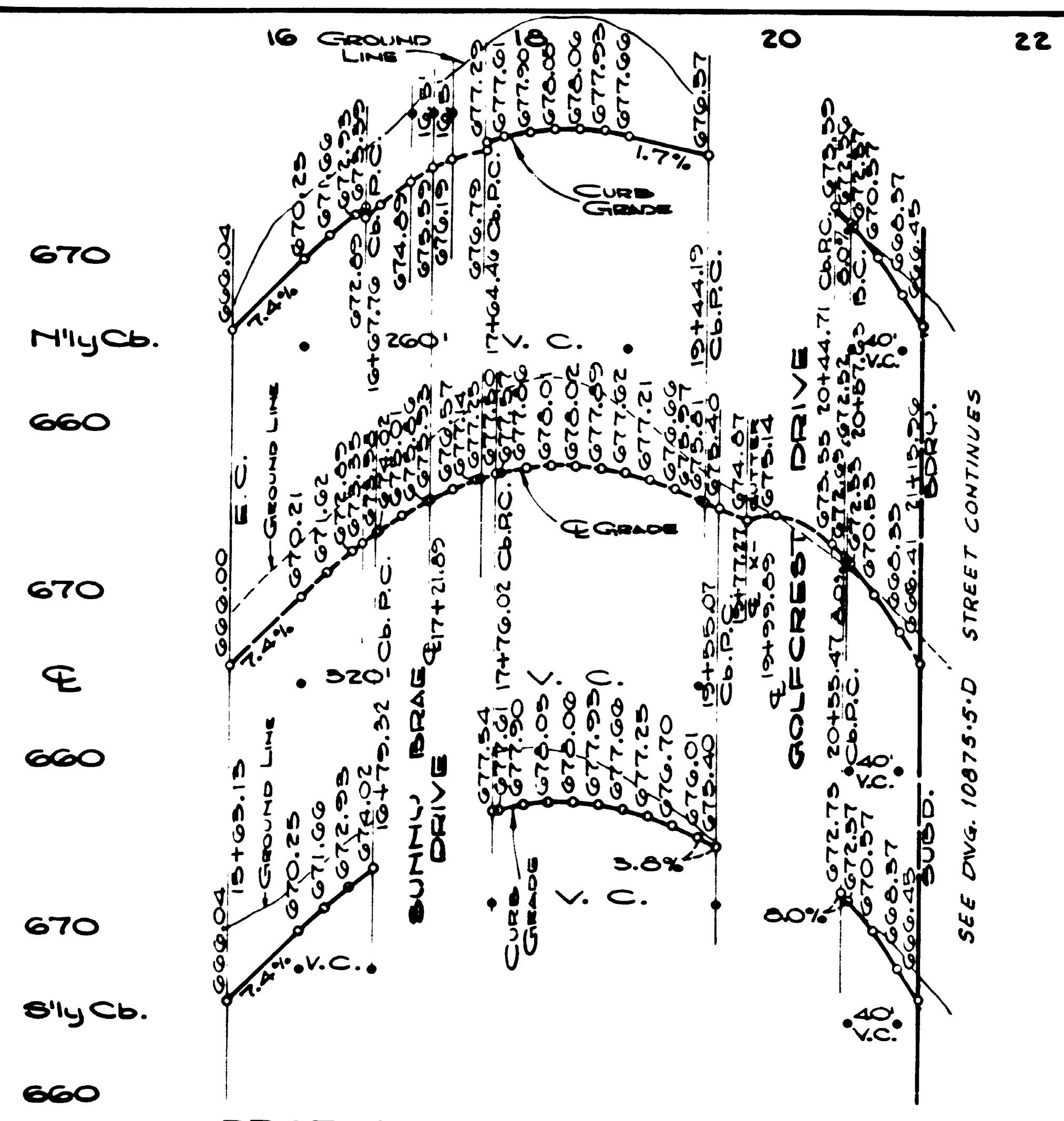
MICROFILMED

AS BUILT

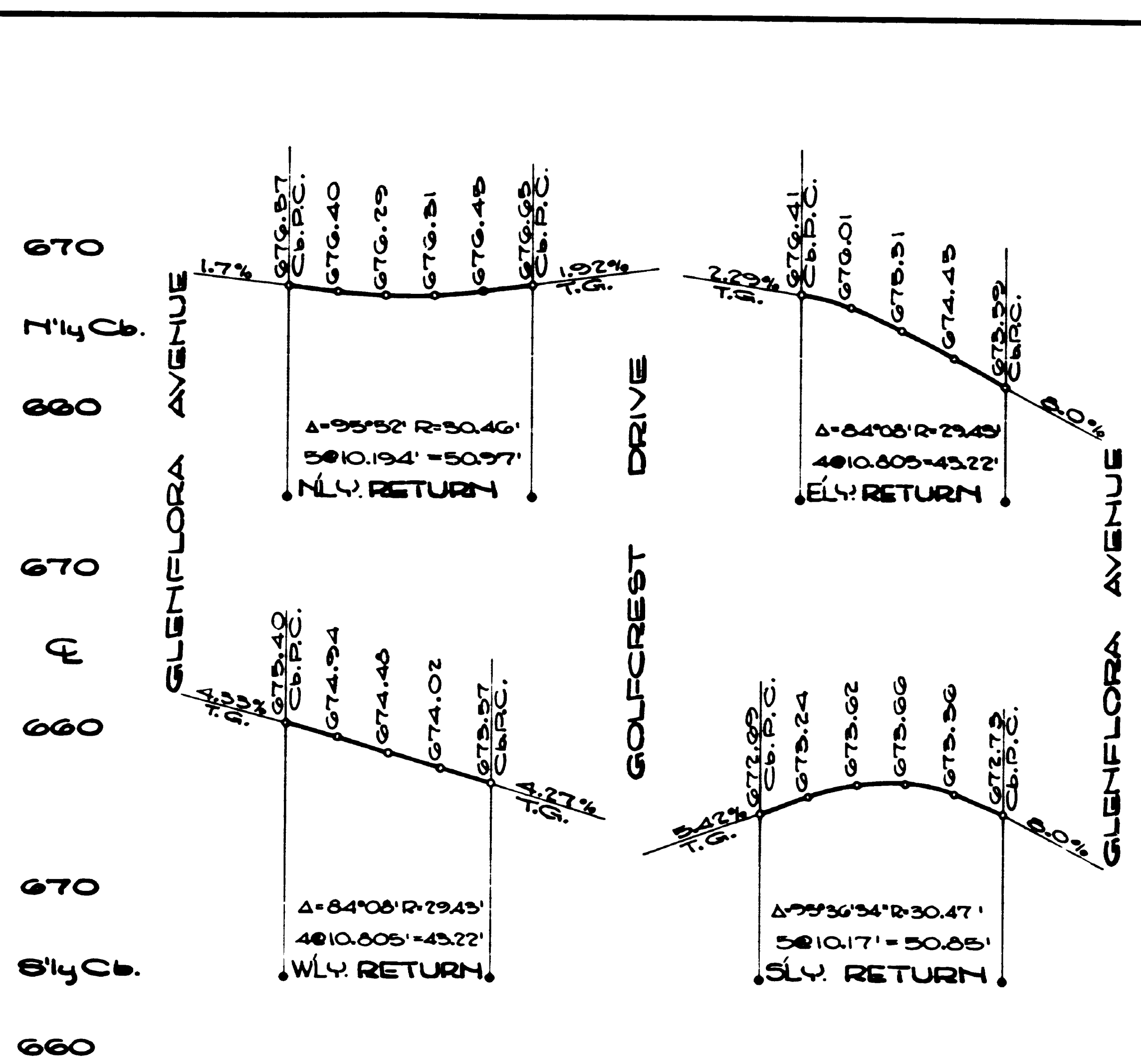
MICROFILMED

A-5082

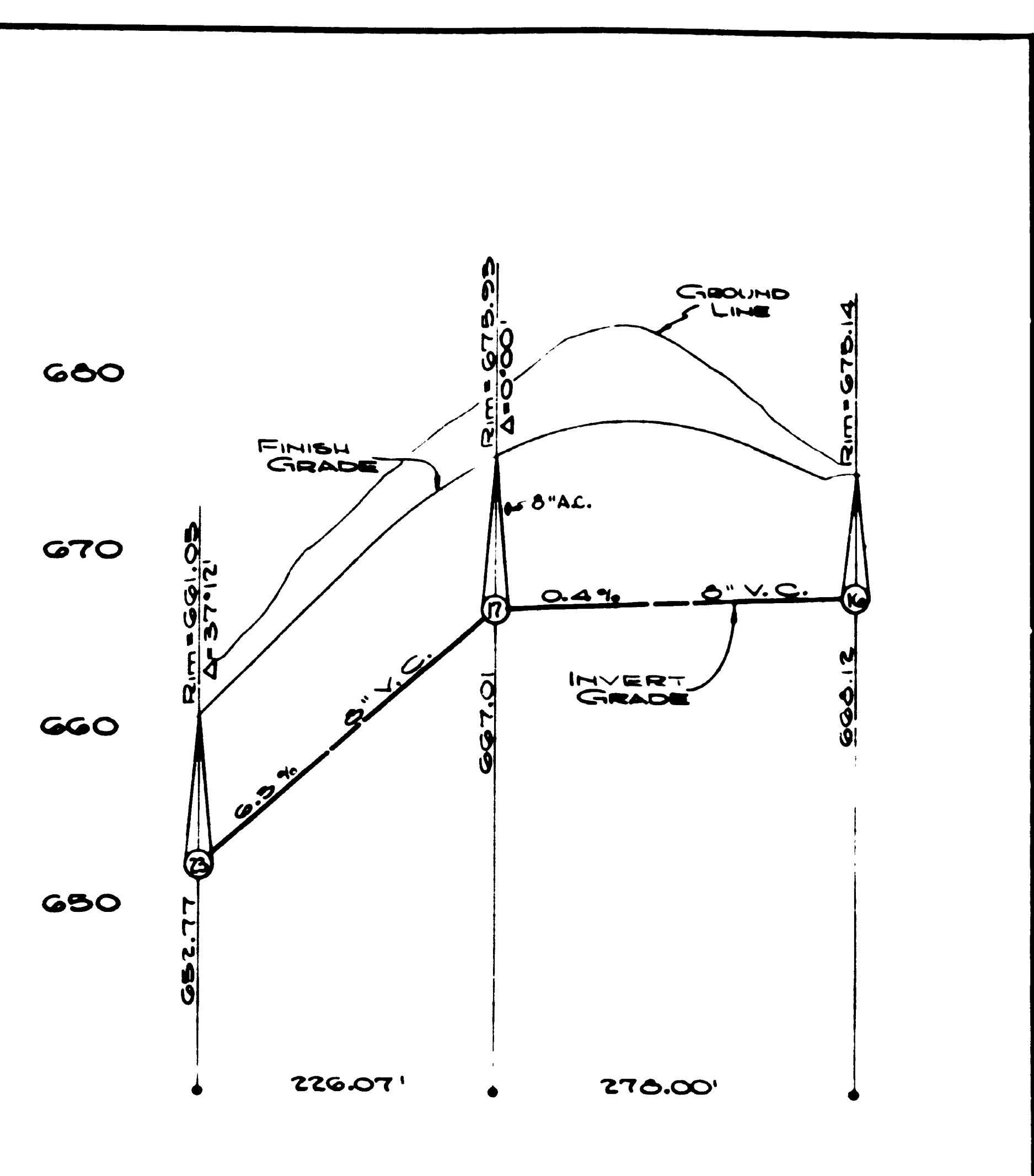
JAN 7 1987



PROFILE OF GLENFLORA AVENUE
SCALE: HOR. 1" = 80' VER. 1" = 6'

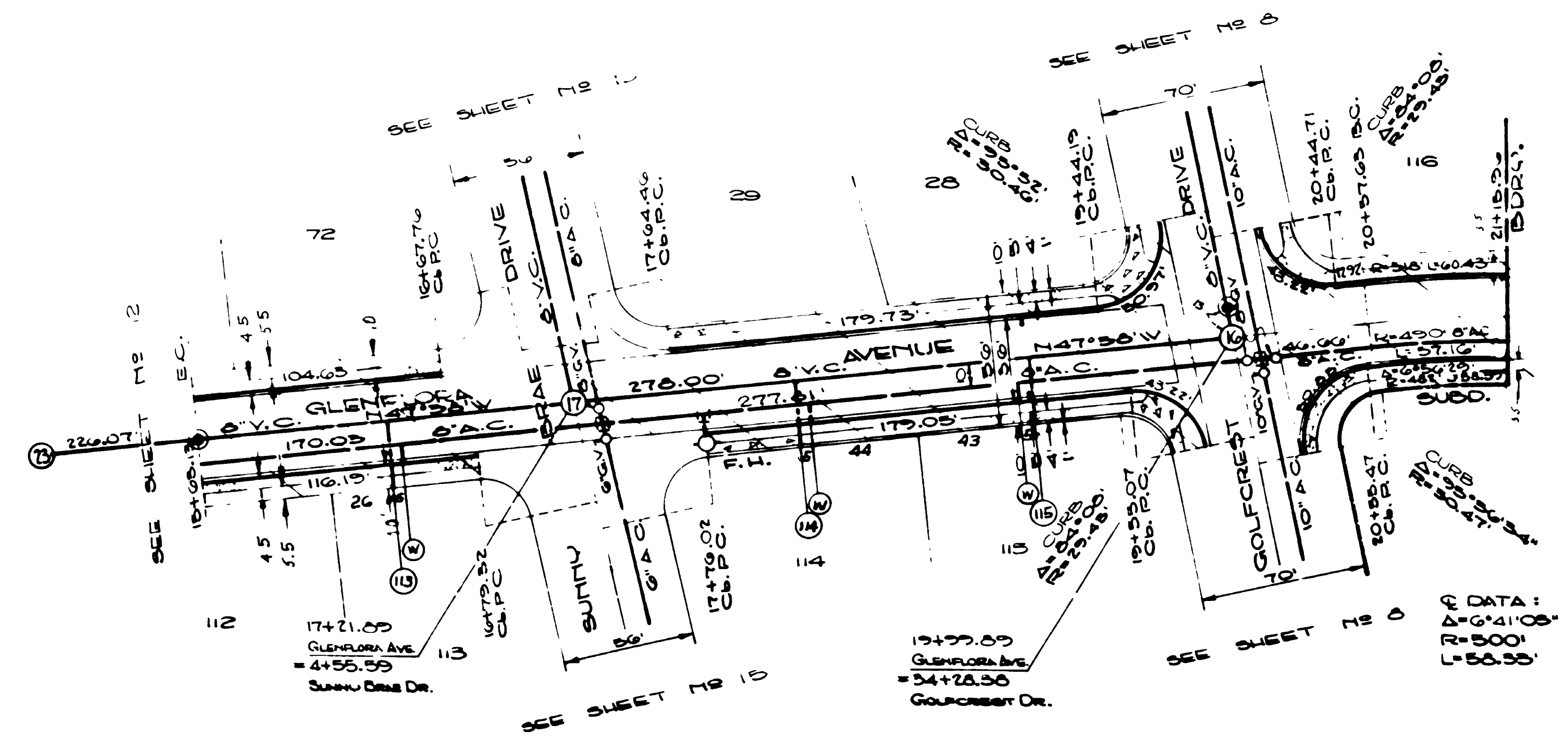
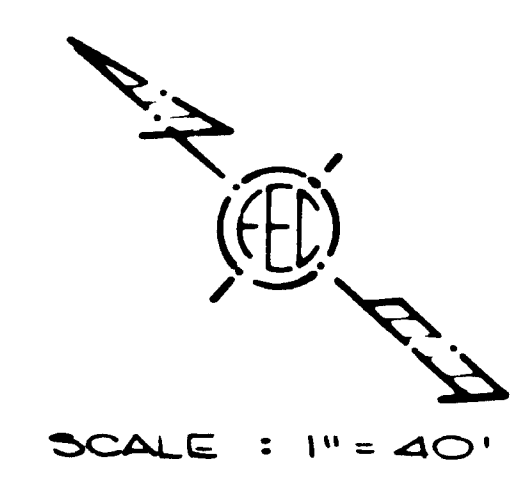


CURB RETURNS
SCALE: HOR. 1" = 20' VER. 1" = 3'



PROFILE OF SEWER
SCALE: HOR. 1" = 80' VER. 1" = 6'

D.M.
CHISELED "D" ON WEST CURB OF
TWIN LAKE DR. @ SW. CORN. OF
LAKE COUNTRY UNIT NO 1
MAP NO 4315
ELEV. 679.90 (CITY DATUM)

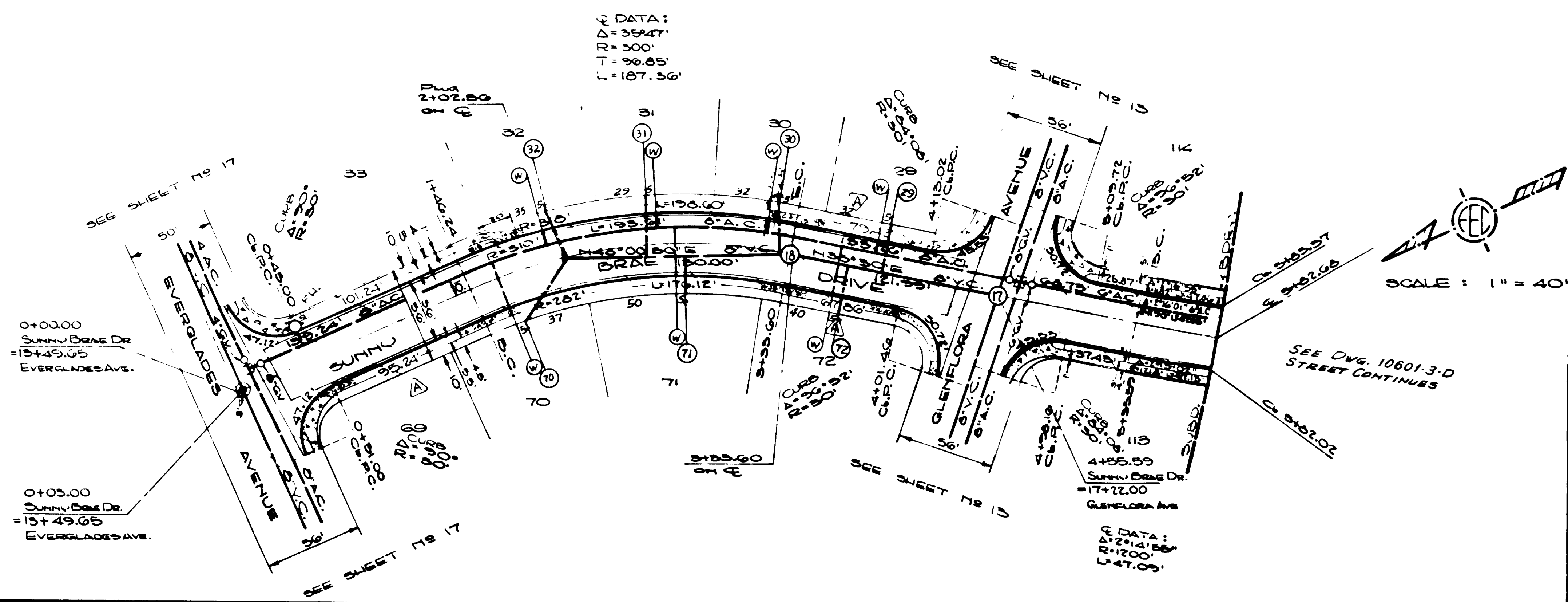
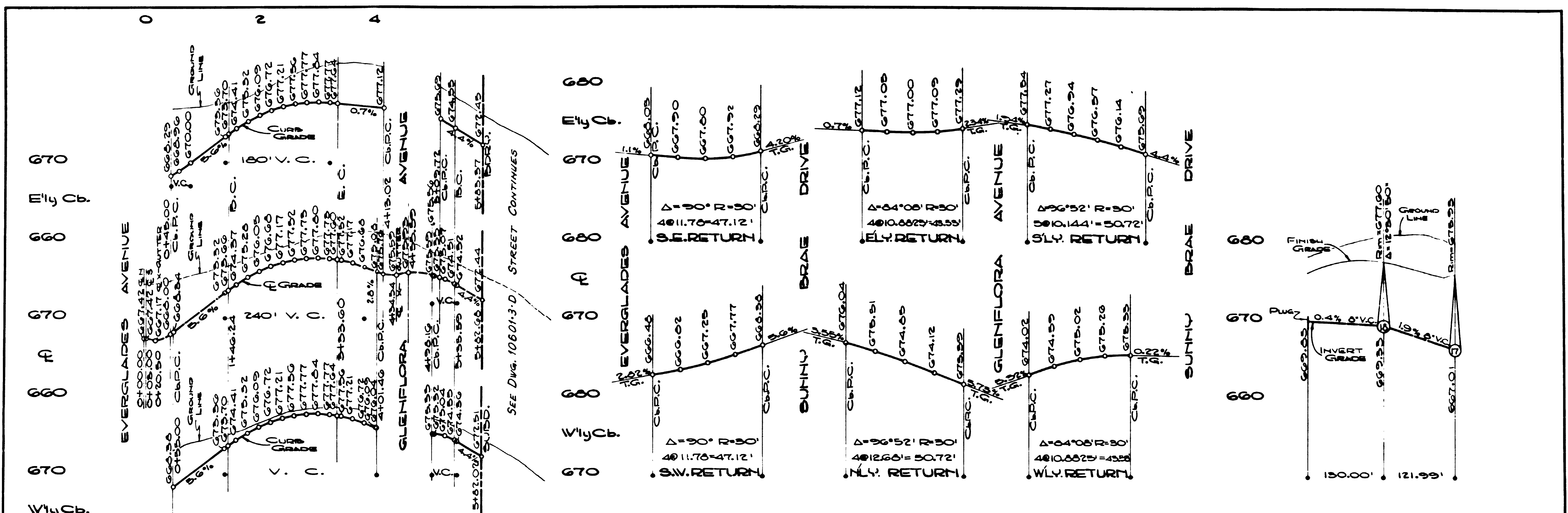


SEE DWG. 10875-5-D
STREET CONTINUES

PRIVATE CONTRACT FREE AND • EVERHOOD & CHAMBERS
ENGINEER OF DESIGN
Bill A. Bramble P.E. 0102

LAKE SHORE UNIT NO 1		GLENFLORA AVENUE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 13 OF 20 SHEETS	
PLAN REVISIONS		NO. 76546	
DATE	BY	APPROVAL	CITY ENGINEER
AS BUILT	12/14/64	<i>[Signature]</i>	<i>[Signature]</i>
DESIGNED	BY	APPROVAL	CITY ENGINEER
AS BUILT	ER/1/64	<i>[Signature]</i>	<i>[Signature]</i>
CHECKED	BY	APPROVAL	CITY ENGINEER
ALINE 1262	SEPT 26, 1964	<i>[Signature]</i>	<i>[Signature]</i>
SURVEY	BY	APPROVAL	CITY ENGINEER
INTERNATIONAL	BY J. W. WATSON	<i>[Signature]</i>	<i>[Signature]</i>
FIELD DATA	BY D. S. HILL	<i>[Signature]</i>	<i>[Signature]</i>

MICROFILMED AS BUILT A-5082
JAN 18 1967



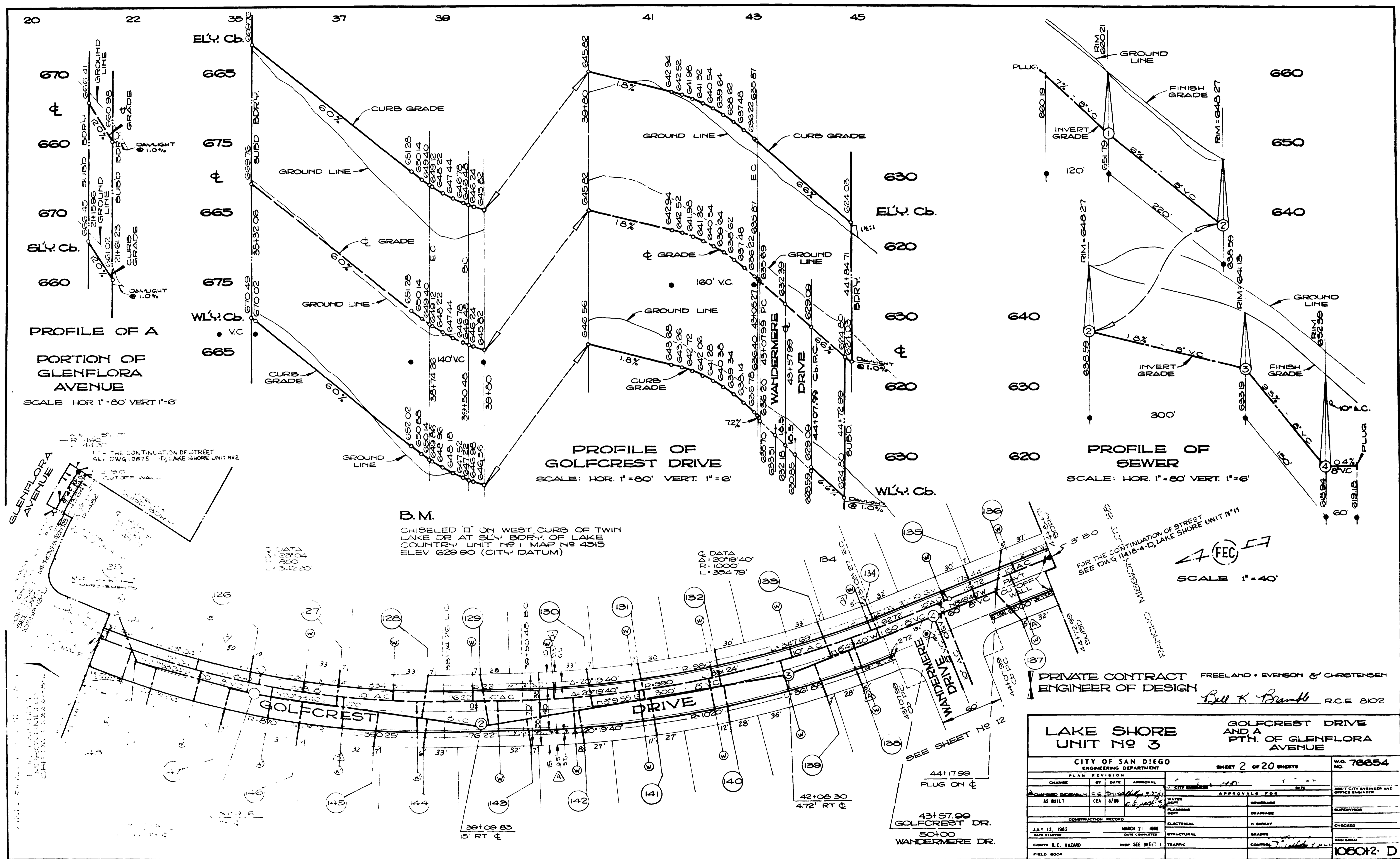
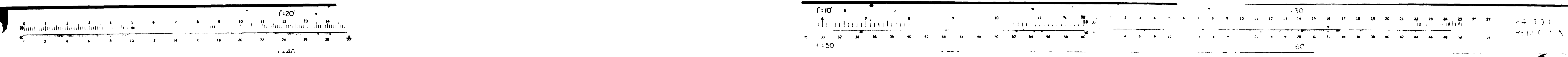
PRIVATE CONTRACT ENGINEER OF DESIGN
PREPARED BY: EVINSON & CHRISTENSEN
Gill & Crumley

LAKE SHORE UNIT NO 1
SUNNY BRAE DRIVE

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT
SHEET 15 OF 20 SHEETS
NO 76546

CHANGE	BY	DATE	APPROVAL	CITY ENGINEER	APPROVALS FOR	DATE
AS BUILT		1.5.12-14			SEWERAGE	
AS BUILT	EP/ML				STREETS	
JUNE 1962		SEPT. 26, 1966			ELECTRICAL	
SUNNY					STRUCTURAL	
INTERNATIONAL					TRAFFIC	
FIELD BOOK						10559-15-AD

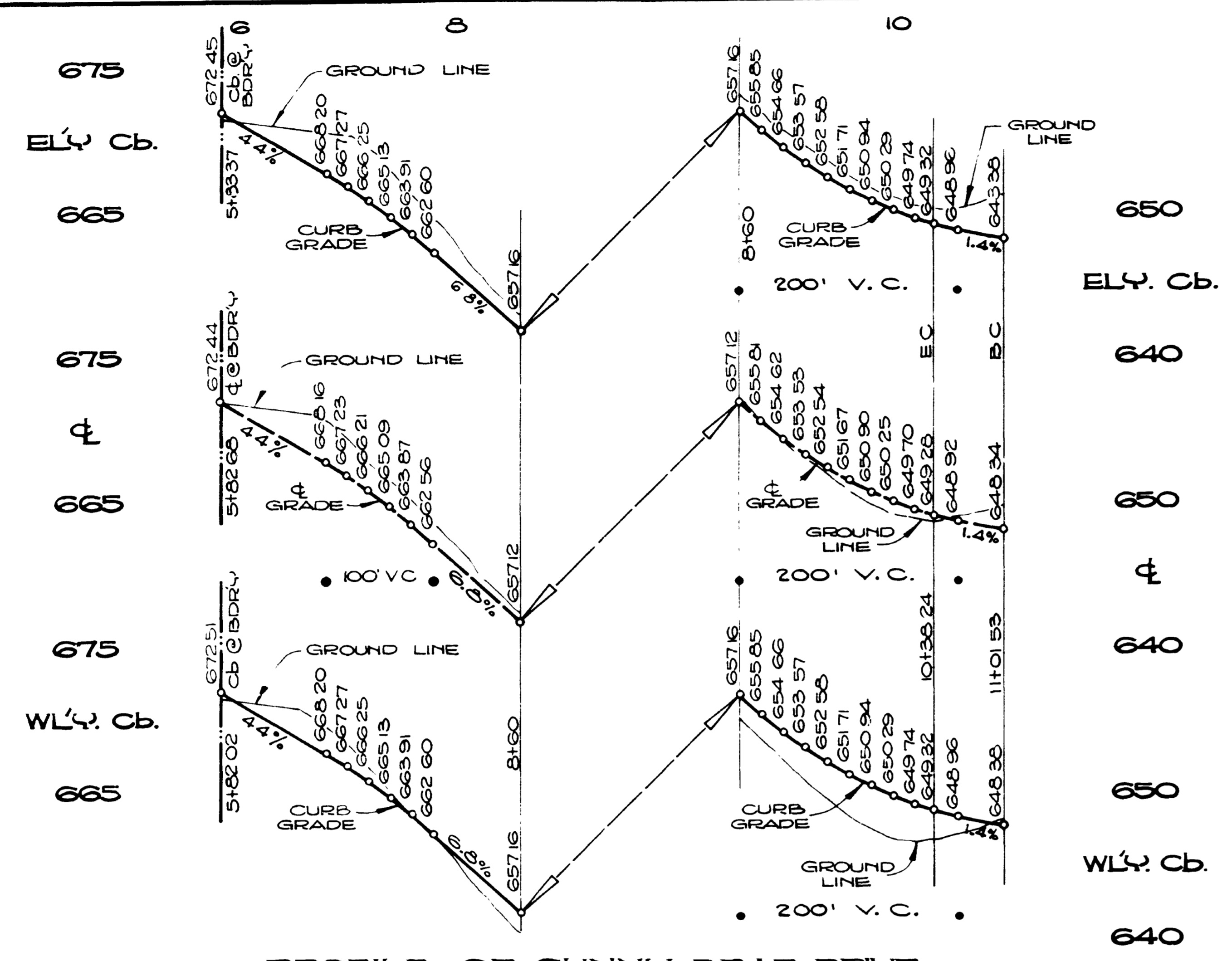
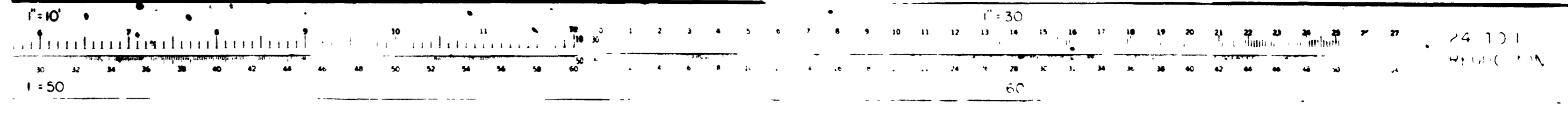
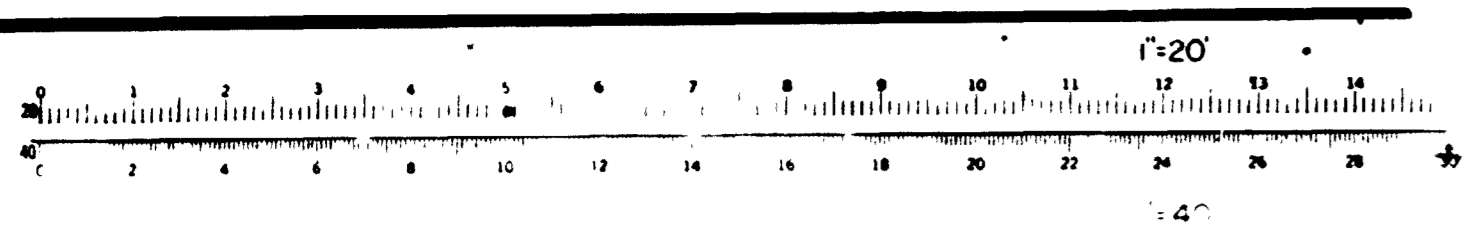
MICROFILMED
JAN 1 1967
AS BUILT TA-5082



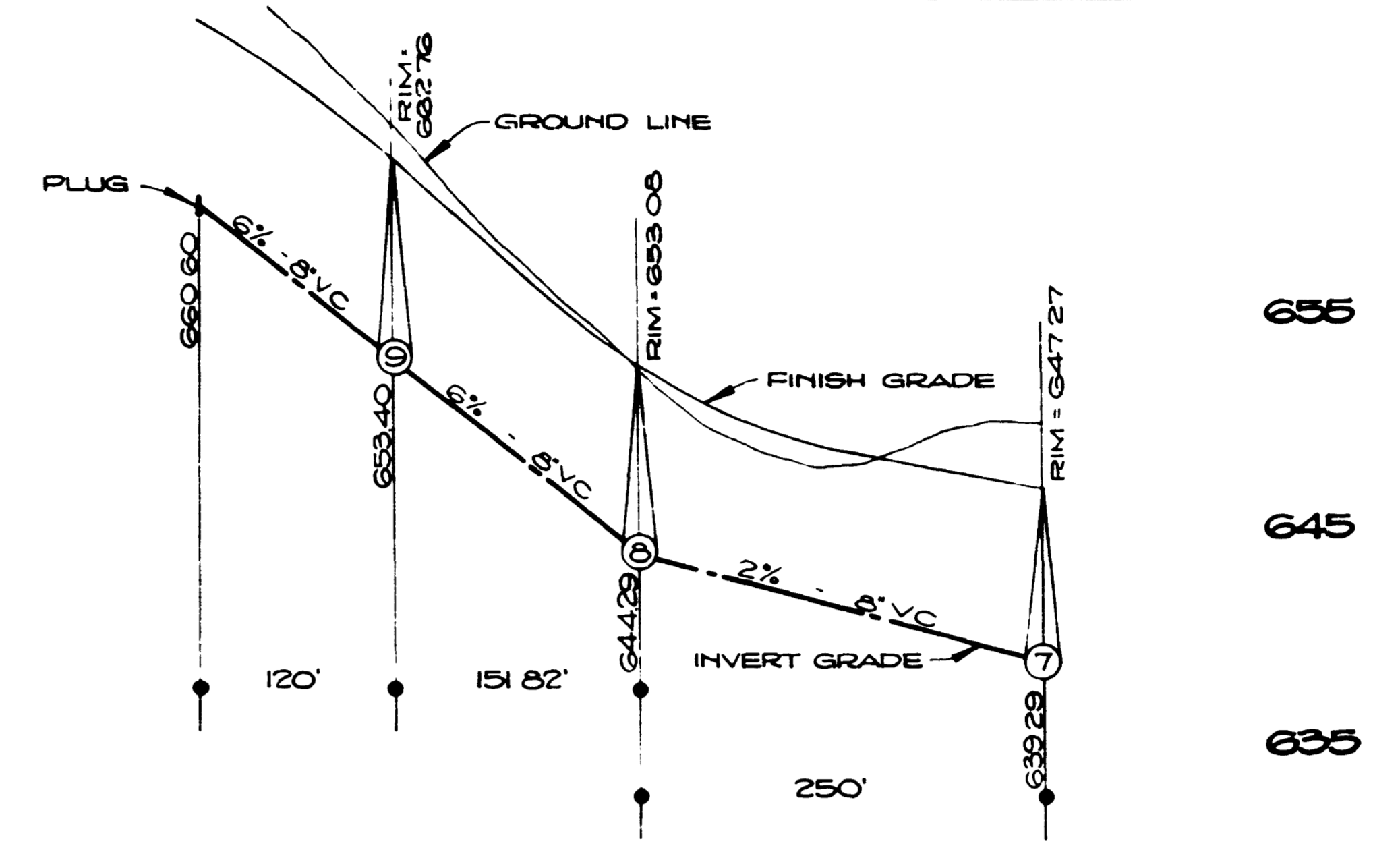
PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND • EVENSON & CHRISTENSEN
Bill K. Bramble R.C.E. 802

CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 2 OF 20 SHEETS		NO. 76654
LAKE SHORE UNIT NO. 3		GOLFCREST DRIVE AND A PTH. OF GLENFLORA AVENUE		
CHANGE	BY	DATE	APPROVAL	
AS BUILT	CEA	6/68		
CONSTRUCTION RECORD		MARCH 21 1968		
DATE STARTED	ALIVE COMPLETED			
CORTR. E. HAZARD	IMP. SEE SHEET			
FIELD BOOK				
PLANNING	DESIGN	CONTRACT	DESIGNED	106012-D
DRAINAGE	STRUCTURAL	TRAFFIC	CHECKED	
SEWERAGE	H. SHWAY		SUPERVISOR	

AS BUILT A-5083

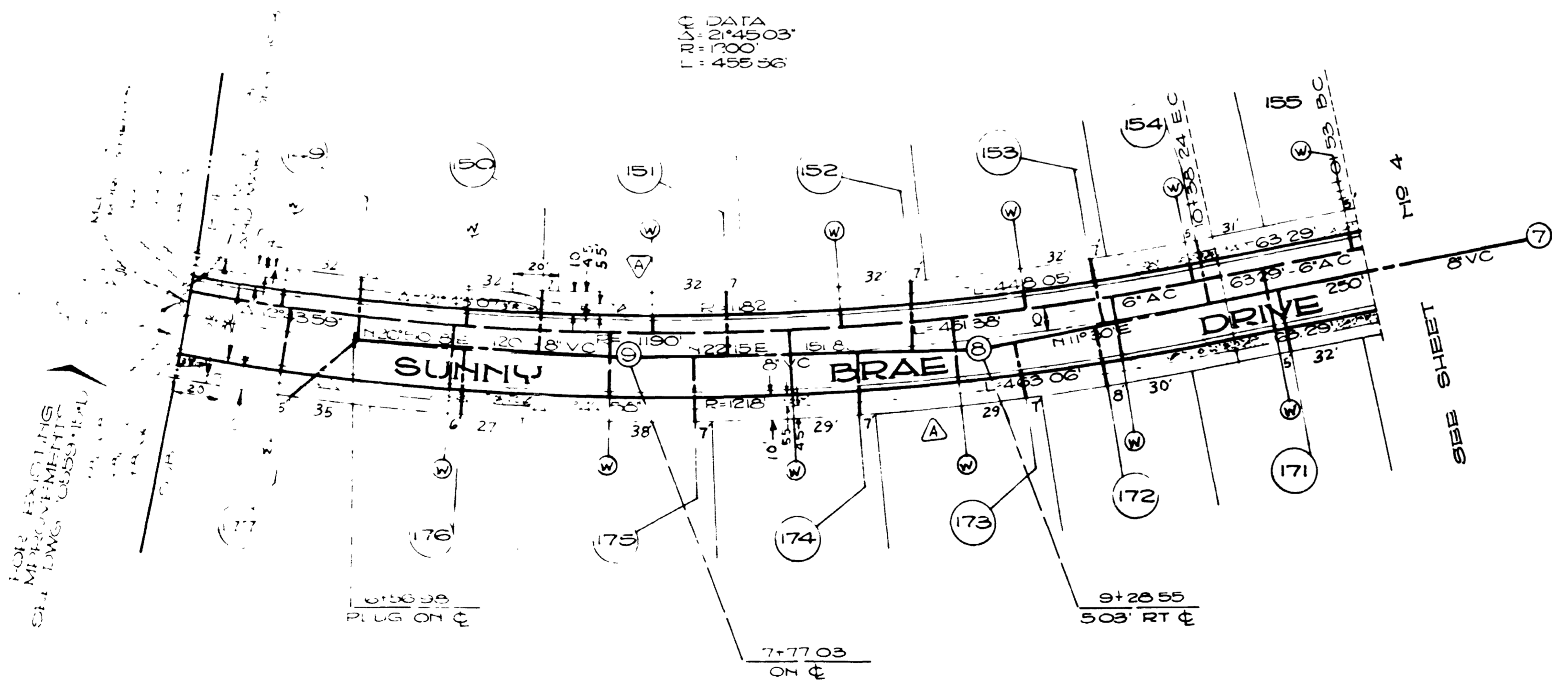


PROFILE OF SUNNY BRAE DRIVE
SCALE: HOR. 1"=80' VERT. 1"=6'



PROFILE OF SEWER
SCALE: HOR. 1"=80' VERT. 1"=6'

B.M.
CHISELED "D" ON WEST CURB OF TWIN LAKE DR AT SWY BDRY OF LAKE COUNTRY UNIT NO 1 MAP NO 4315 ELEV. 629.90 (CITY DATUM)

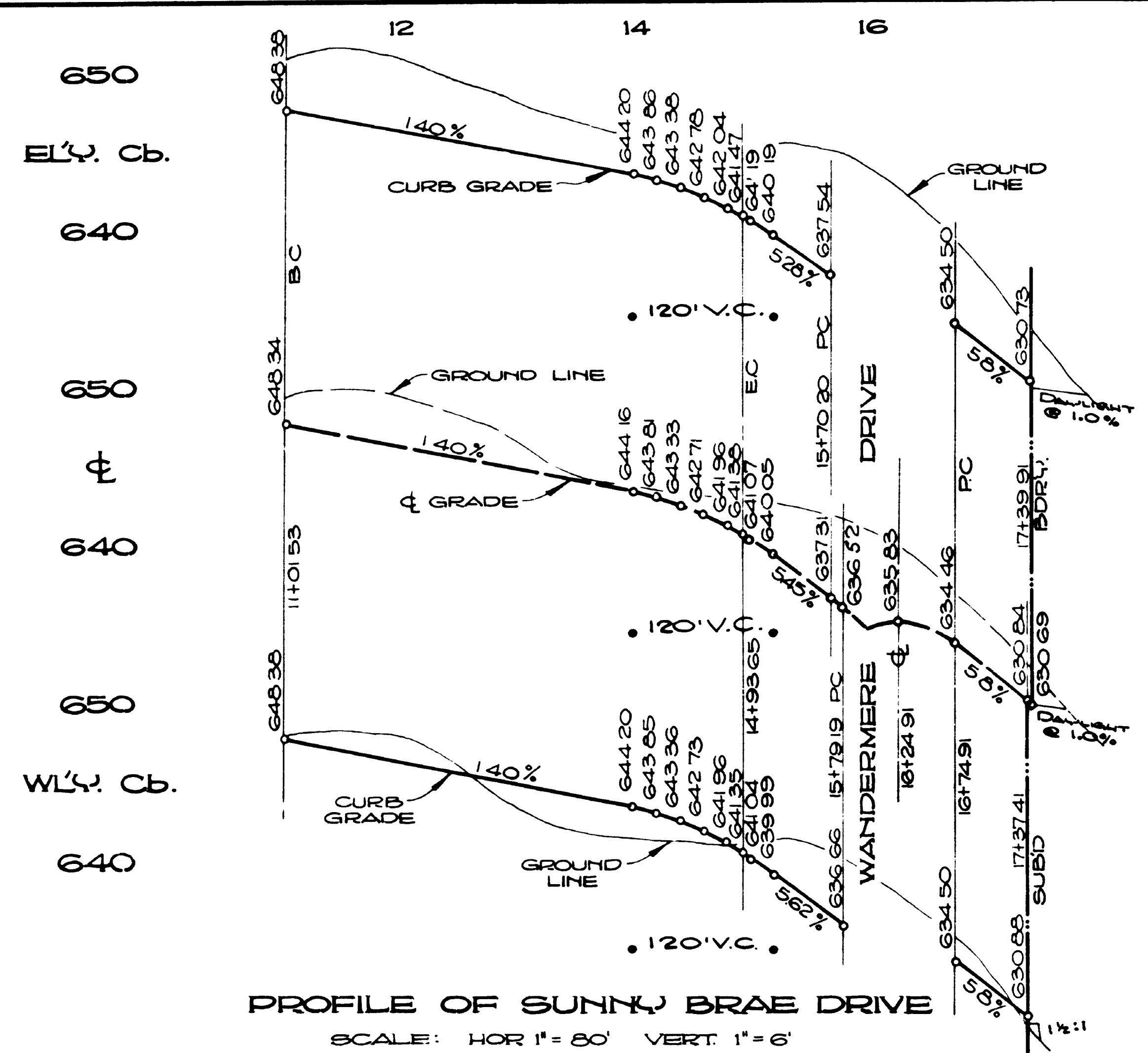
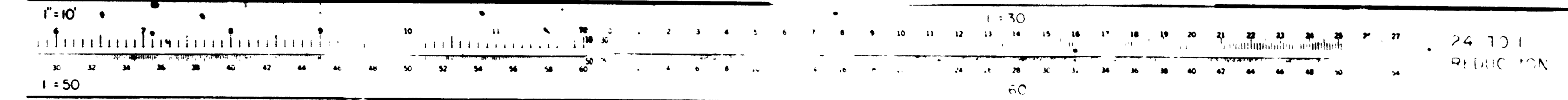
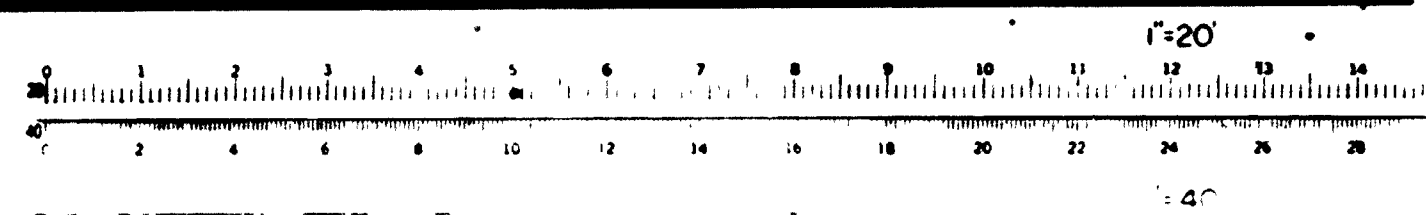


(FEC)
SCALE 1"=40'

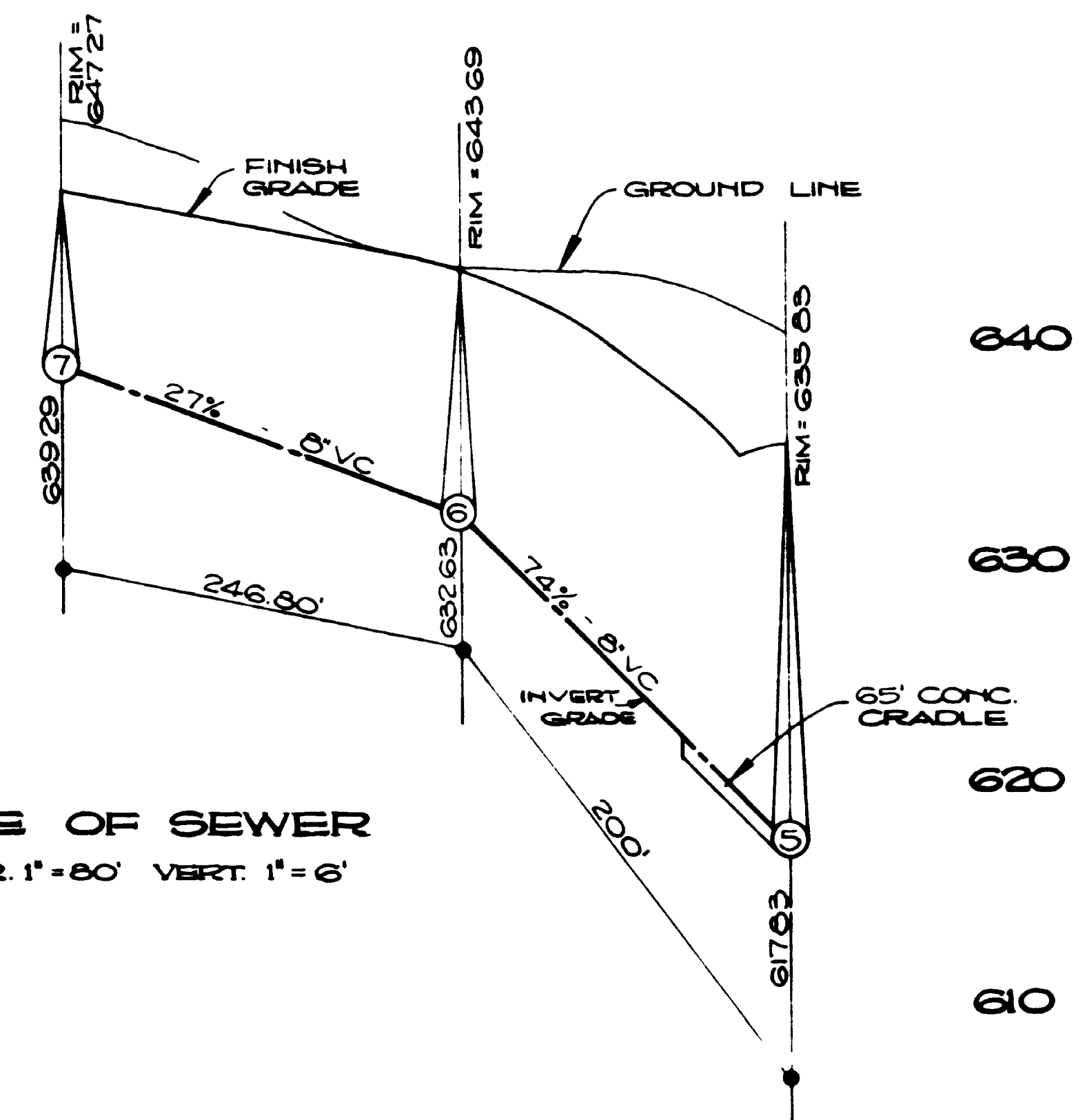
PRIVATE CONTRACT FREELAND • EVERSON & CHRISTENSEN
ENGINEER OF DESIGN *Bruce Brantle* RCE 802

LAKE SHORE UNIT NO 3		SUNNY BRAE DRIVE																													
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 3 OF 20 SHEETS																													
NO 76654																															
<table border="1"> <thead> <tr> <th colspan="3">PLAN REVISION</th> <th colspan="2">APPROVALS FOR</th> </tr> <tr> <th>CHANGE</th> <th>BY</th> <th>DATE</th> <th>APPROVAL</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>AS BUILT</td> <td>CEA</td> <td>8/58</td> <td><i>[Signature]</i></td> <td></td> </tr> </tbody> </table>				PLAN REVISION			APPROVALS FOR		CHANGE	BY	DATE	APPROVAL	DATE	AS BUILT	CEA	8/58	<i>[Signature]</i>														
PLAN REVISION			APPROVALS FOR																												
CHANGE	BY	DATE	APPROVAL	DATE																											
AS BUILT	CEA	8/58	<i>[Signature]</i>																												
<table border="1"> <thead> <tr> <th colspan="2">CONSTRUCTION RECORD</th> <th colspan="2">APPROVALS FOR</th> </tr> <tr> <th>DATE STARTED</th> <th>DATE COMPLETED</th> <th>WATER</th> <th>SEWERAGE</th> </tr> </thead> <tbody> <tr> <td>JULY 13 1962</td> <td>MARCH 21 1968</td> <td></td> <td></td> </tr> <tr> <td>CONTR. F. E. HAZARD</td> <td>INSPE. SEE SHEET</td> <td>PLUMBING</td> <td>GRASS</td> </tr> <tr> <td>FIELD BOOK</td> <td></td> <td>ELECTRICAL</td> <td>HIGHWAY</td> </tr> <tr> <td></td> <td></td> <td>STRUCTURAL</td> <td>GRADES</td> </tr> <tr> <td></td> <td></td> <td>TRAFFIC</td> <td>CONTROL</td> </tr> </tbody> </table>				CONSTRUCTION RECORD		APPROVALS FOR		DATE STARTED	DATE COMPLETED	WATER	SEWERAGE	JULY 13 1962	MARCH 21 1968			CONTR. F. E. HAZARD	INSPE. SEE SHEET	PLUMBING	GRASS	FIELD BOOK		ELECTRICAL	HIGHWAY			STRUCTURAL	GRADES			TRAFFIC	CONTROL
CONSTRUCTION RECORD		APPROVALS FOR																													
DATE STARTED	DATE COMPLETED	WATER	SEWERAGE																												
JULY 13 1962	MARCH 21 1968																														
CONTR. F. E. HAZARD	INSPE. SEE SHEET	PLUMBING	GRASS																												
FIELD BOOK		ELECTRICAL	HIGHWAY																												
		STRUCTURAL	GRADES																												
		TRAFFIC	CONTROL																												
DESIGNED		CHECKED																													
106013-D																															

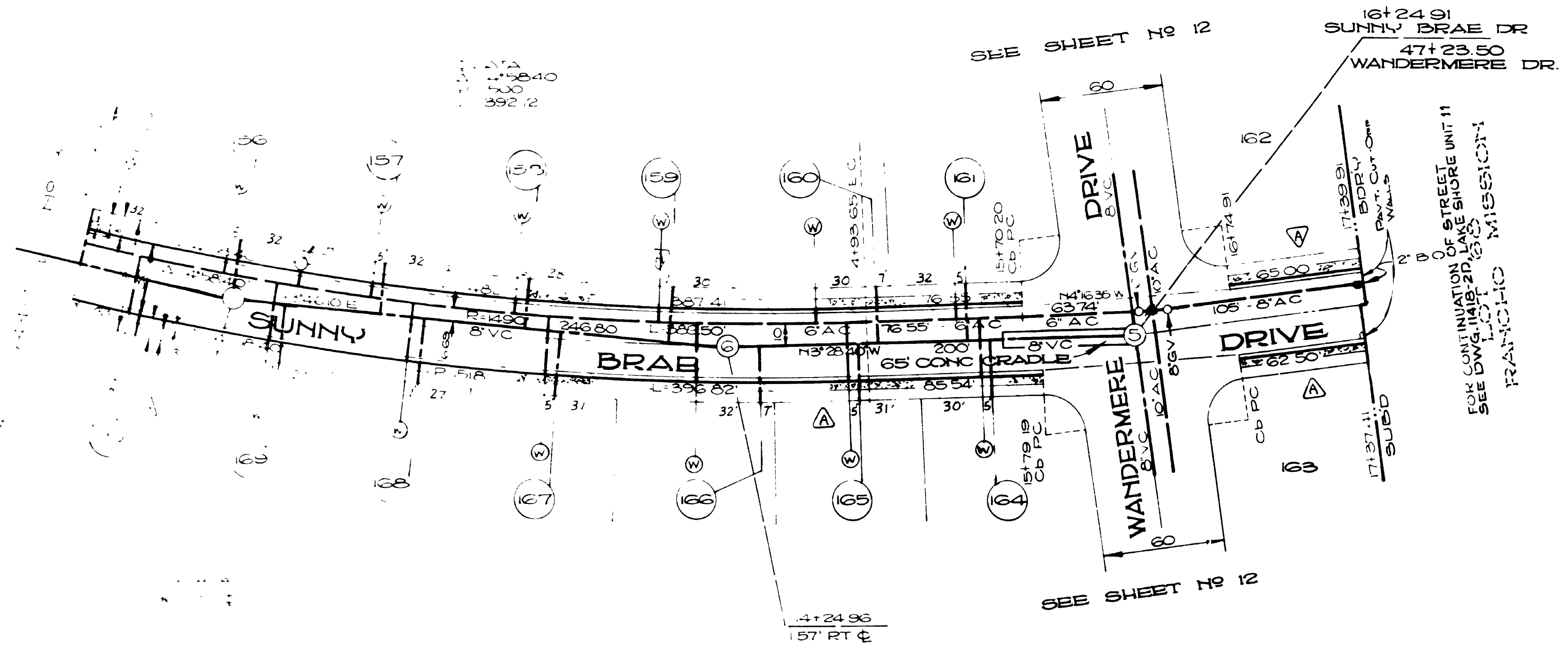
AS BUILT **A-5083**



PROFILE OF SUNNY BRAE DRIVE
SCALE: HOR. 1" = 80' VERT. 1" = 6'



PROFILE OF SEWER
SCALE: HOR. 1" = 80' VERT. 1" = 6'



SEE SHEET NO 12

16+24.91
SUNNY BRAE DR
47+23.50
WANDERMERE DR.

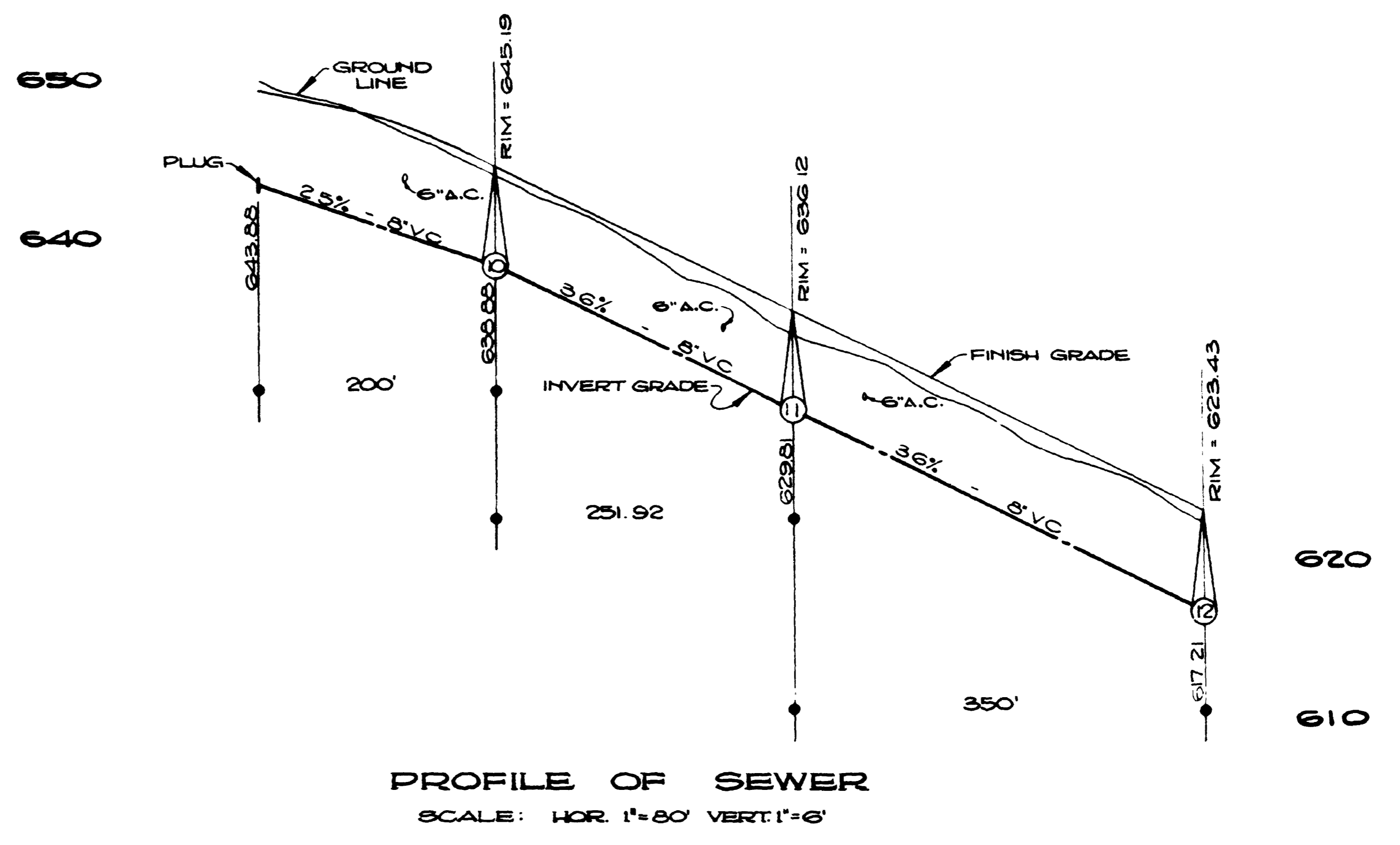
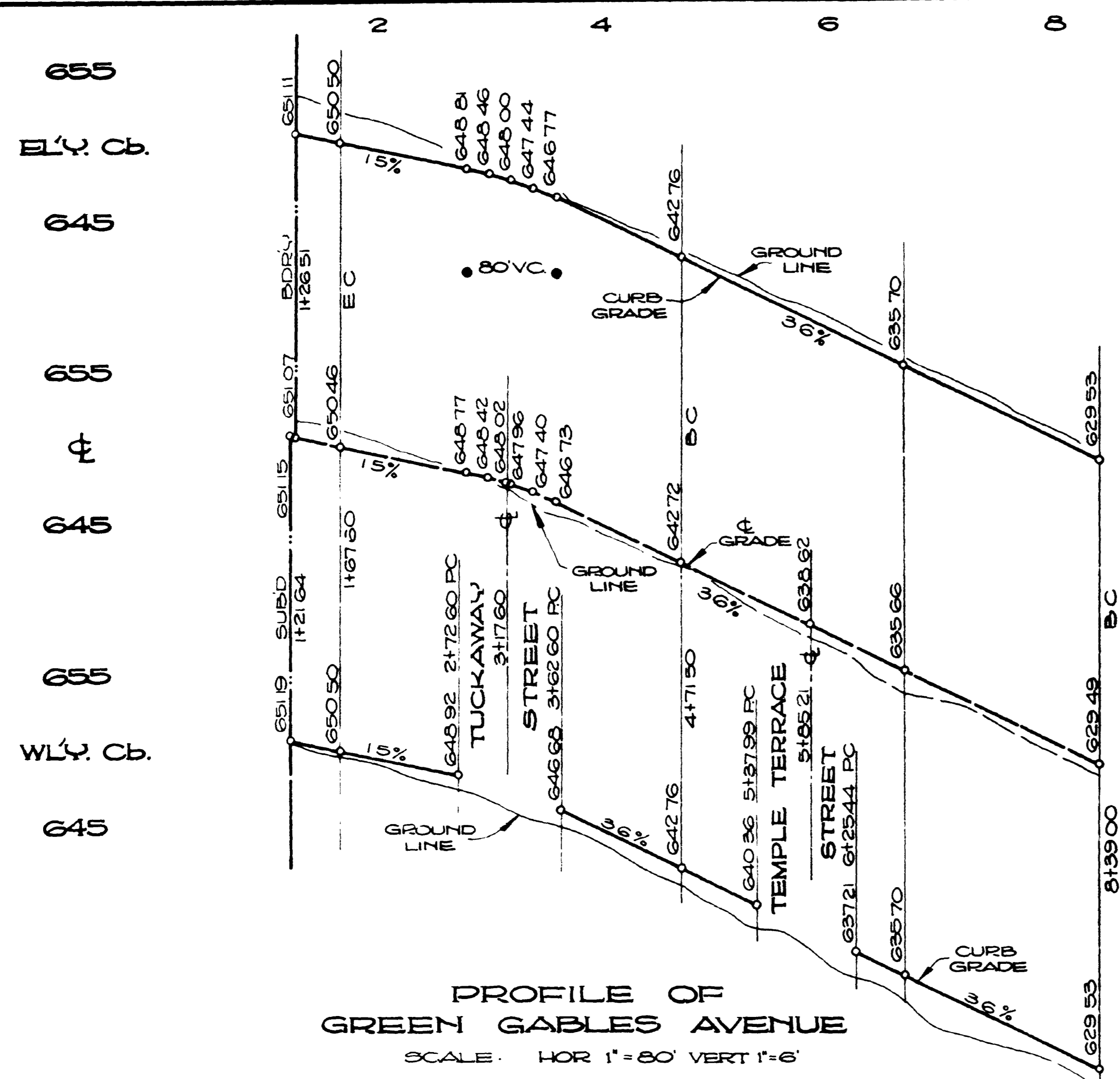
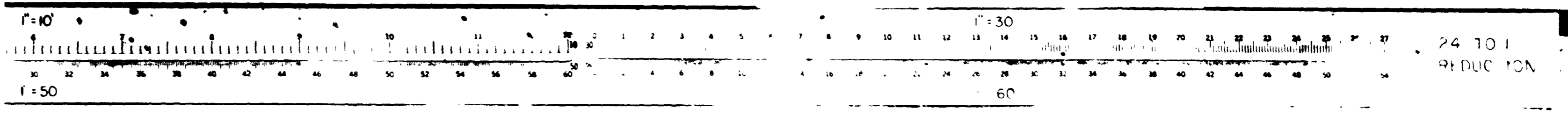
← 7 FEC 57 →
SCALE 1" = 40'

B.M.
CHISELED 1" ON WEST CURB OF TWIN
LAKE DR AT SWY. BDRY. OF LAKE
COUNTRY UNIT NO 1 MAP NO 4315
ELEV 629.90 (CITY DATUM)

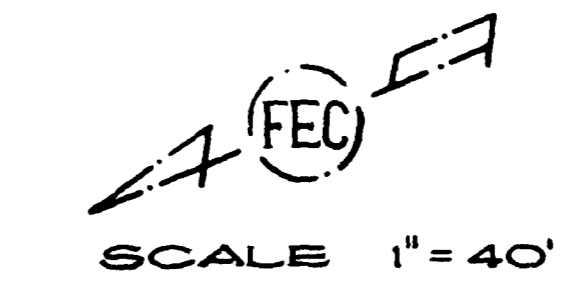
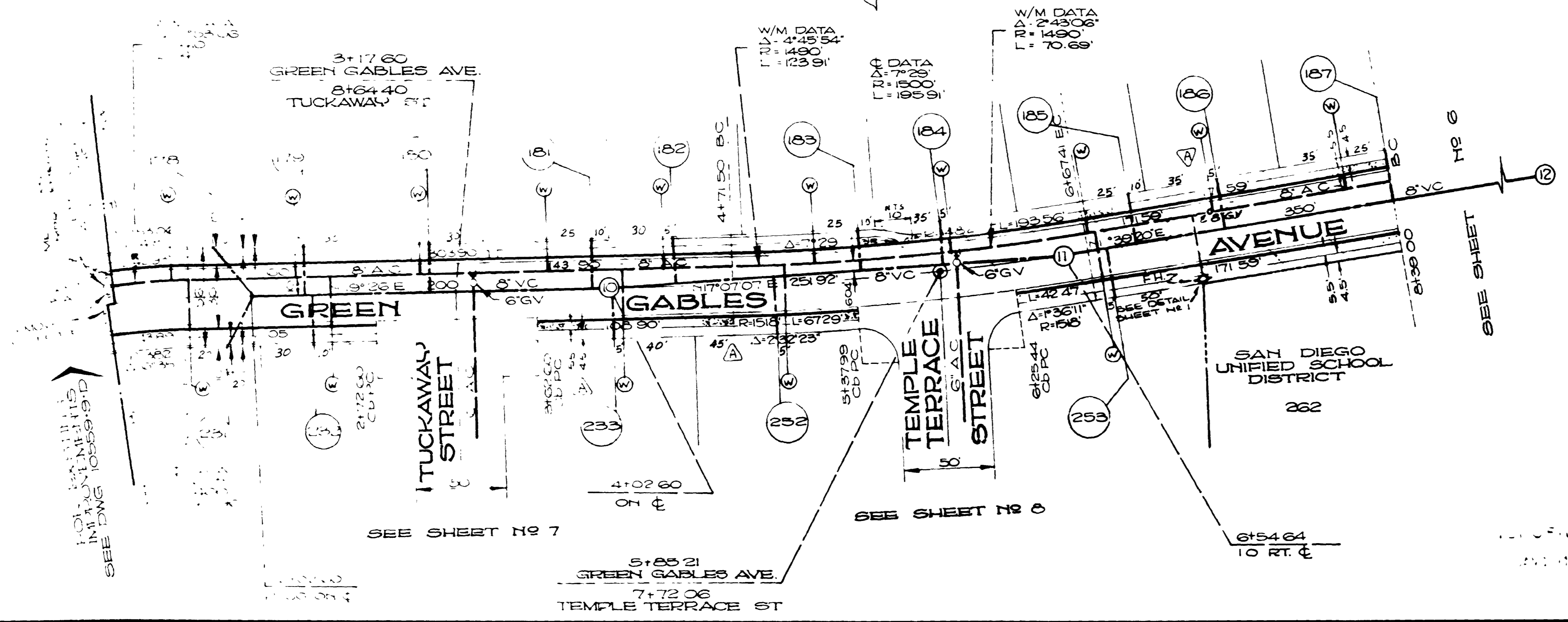
PRIVATE CONTRACT FREELAND • EVENSON & CHRISTENSEN
ENGINEER OF DESIGN
Paul K. Bramble R.C.E. 8102

LAKE SHORE UNIT NO 3		SUNNY BRAE DRIVE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 4 OF 20 SHEETS	
NO 76654			
PLAN REVISION			
CHANGE	BY	DATE	APPROVAL
AS BUILT	CEA	8/68	<i>[Signature]</i>
CONSTRUCTION RECORD		APPROVALS FOR	
JULY 13, 1962 SITE STARTED		ELECTRICAL	
CONTR. B. E. HAZARD		STRUCTURAL	
FIELD BOOK		TRAFFIC	
		CHECKED	
		DRAWN	
		CONTROL	
		106014 D	

AS BUILT
A-5083



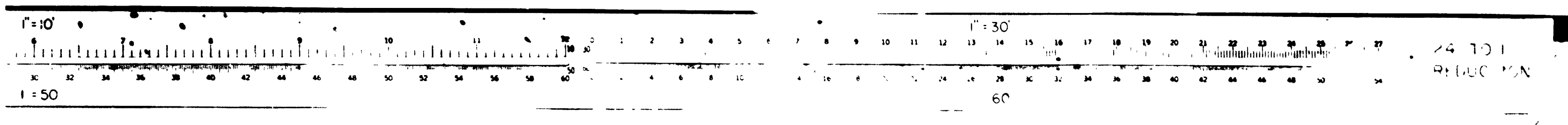
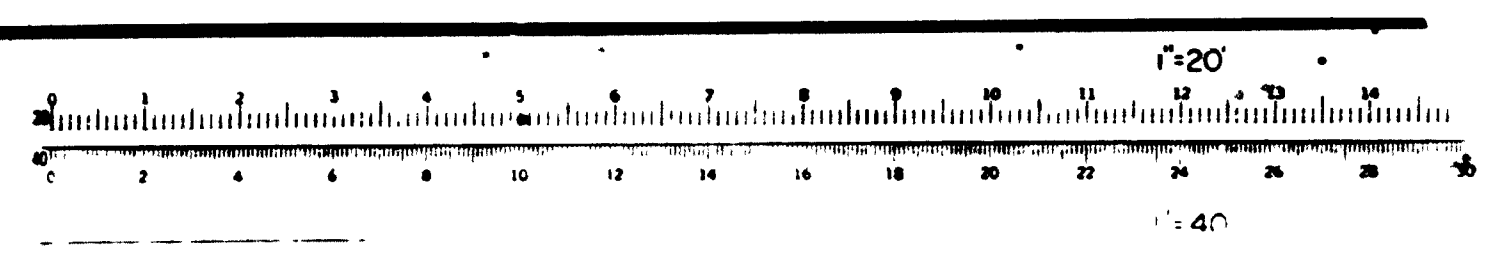
B.M.
CHISELED "D" ON WEST CURB OF TWIN LAKE DR. AT SLY. BDRY. OF LAKE COUNTRY UNIT NO 1 MAP NO 4815. ELEV 629.90 (CITY DATUM)



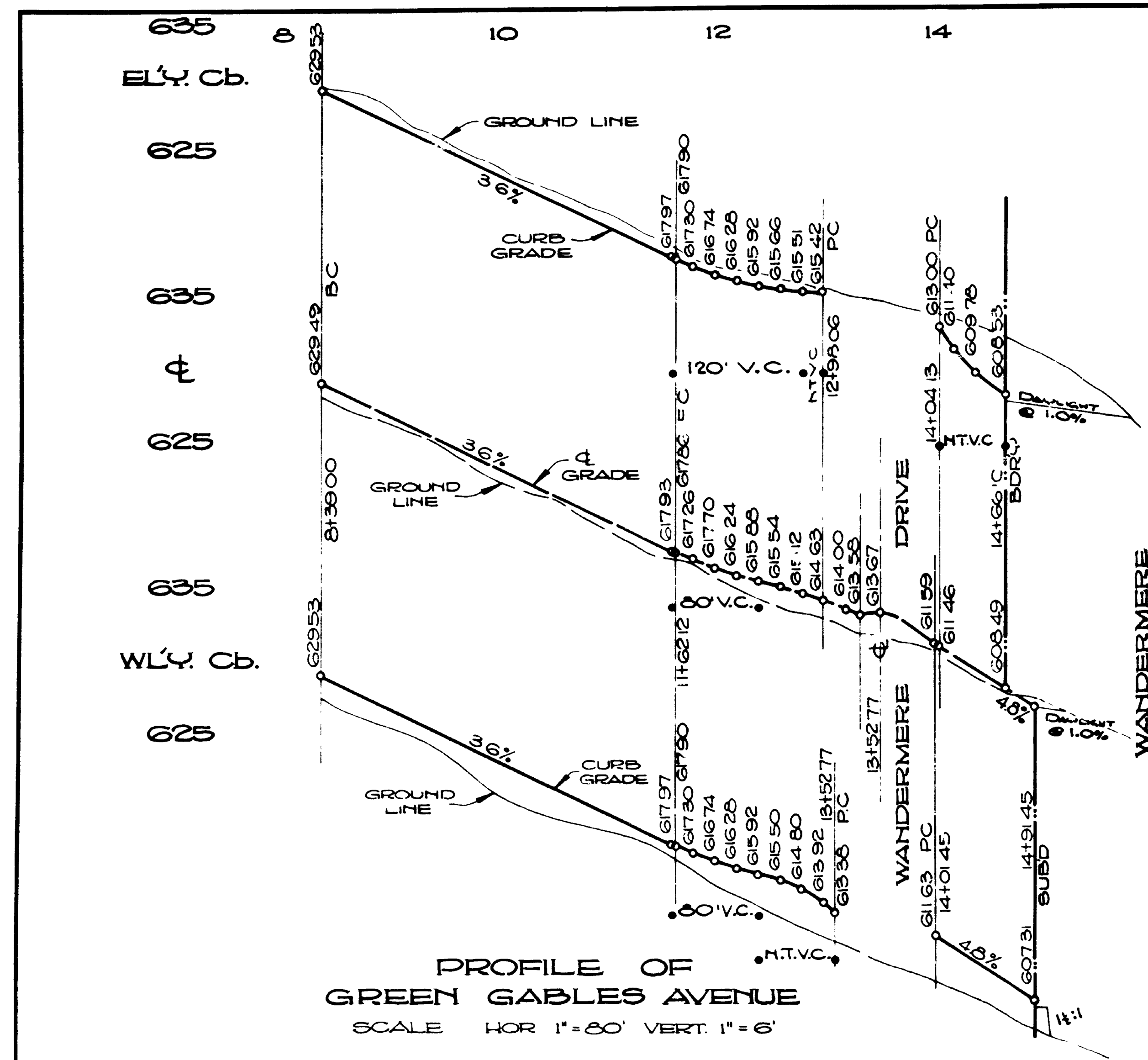
PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND • EVENSON & CHRISTENSEN
Bill K. Bramble RCE 8102

LAKE SHORE UNIT NO 3		GREEN GABLES AVENUE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 5 OF 20 SHEETS	
PLAN REVISION		NO. 76654	
AS BUILT	CEA	APPROVALS FOR	APPROVALS FOR
CONSTRUCTION RECORD		SUPERVISOR	
JULY 13, 1962	MARCH 21, 1966	ELECTRICAL	ROADWAY
SITE VISITOR	SITE COMPLETED	STRUCTURAL	GRASS
CONF. R. E. HAZARD	IMP. SEE SHEET 1	TRAFFIC	CONTROL
FIELD BOOK			DESIGNED
			106015 D

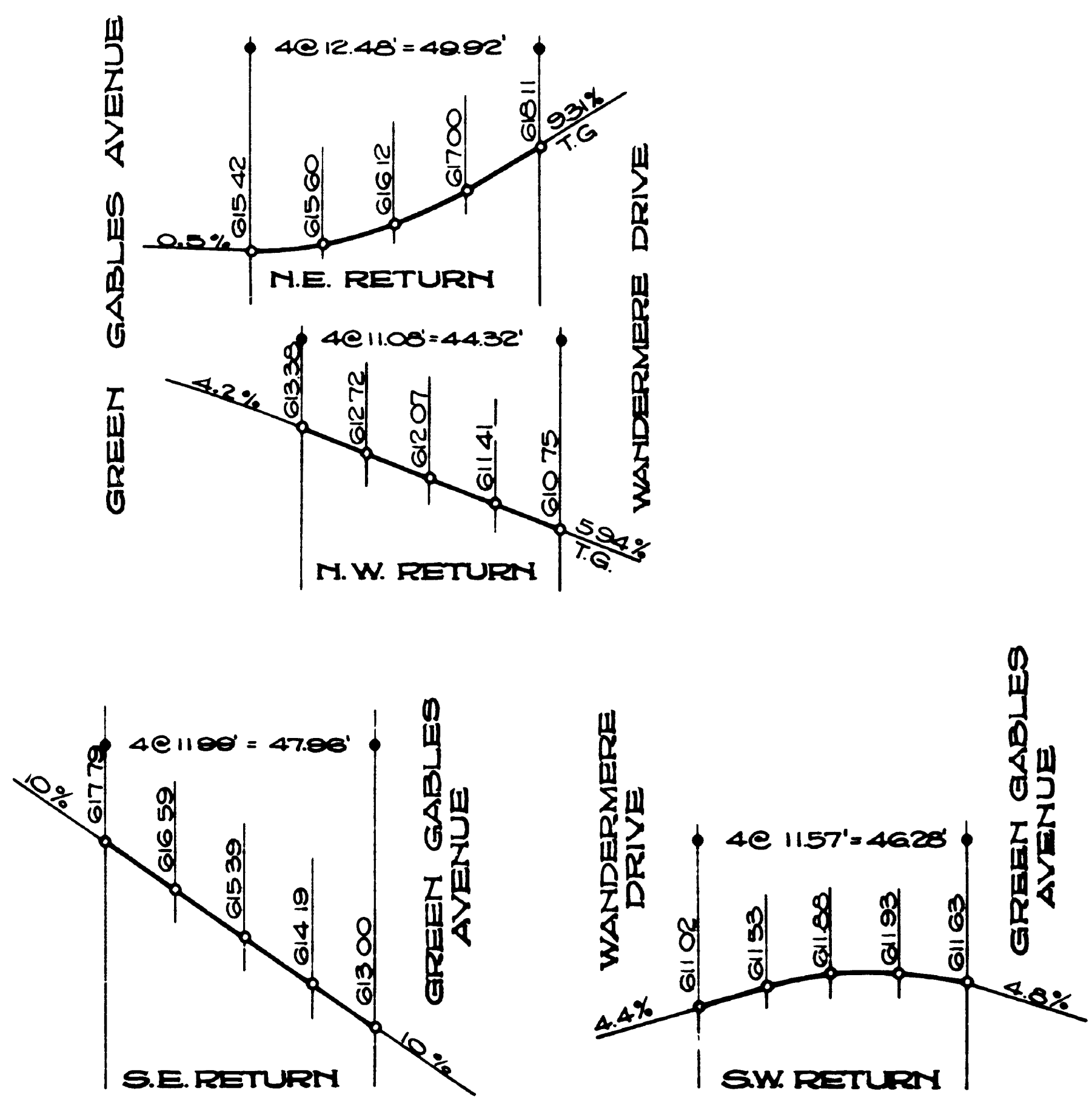
AS BUILT **A-5083**



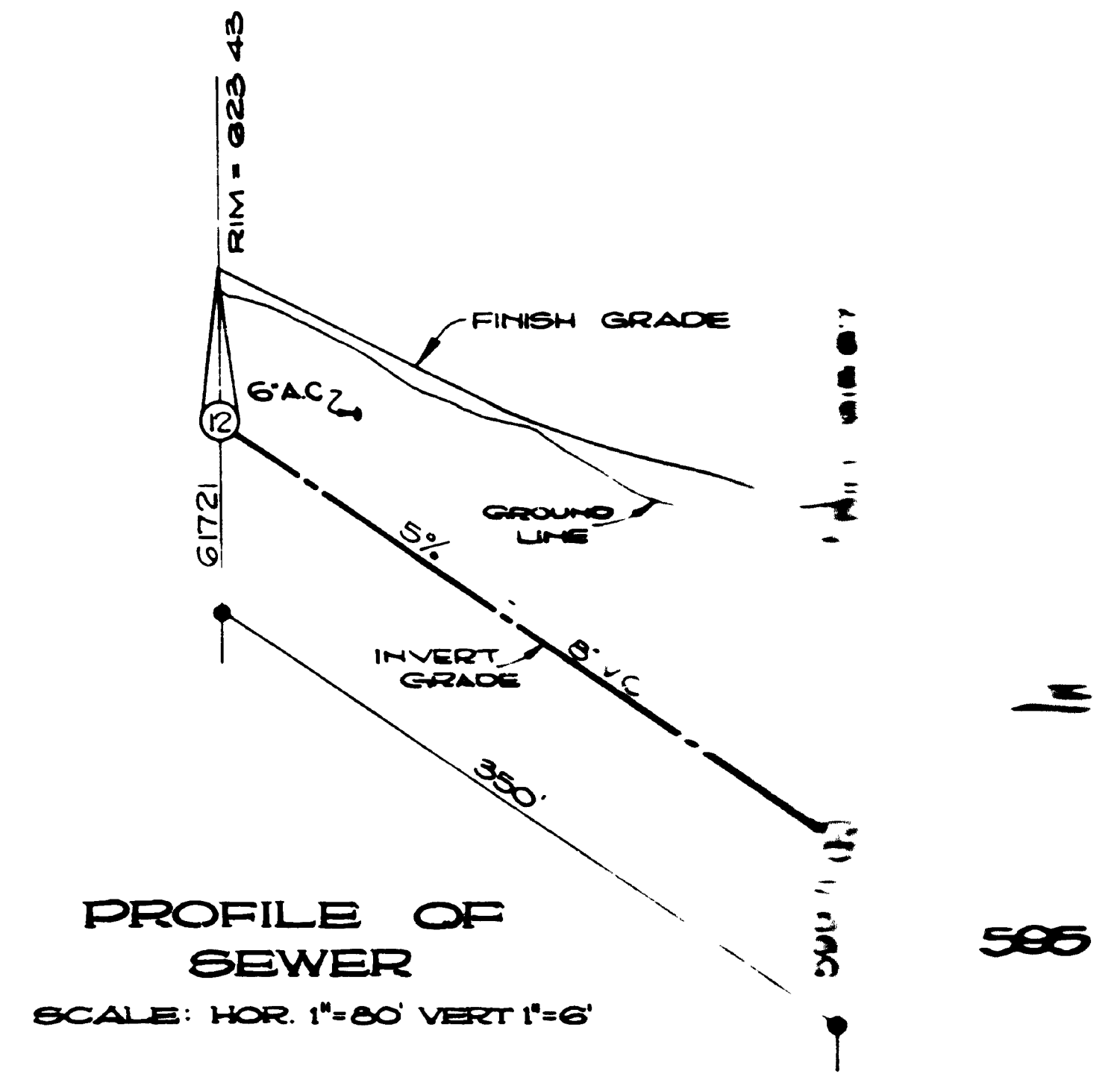
24 101
RELOC. PLAN



PROFILE OF GREEN GABLES AVENUE
SCALE HOR. 1"=60' VERT. 1"=6'

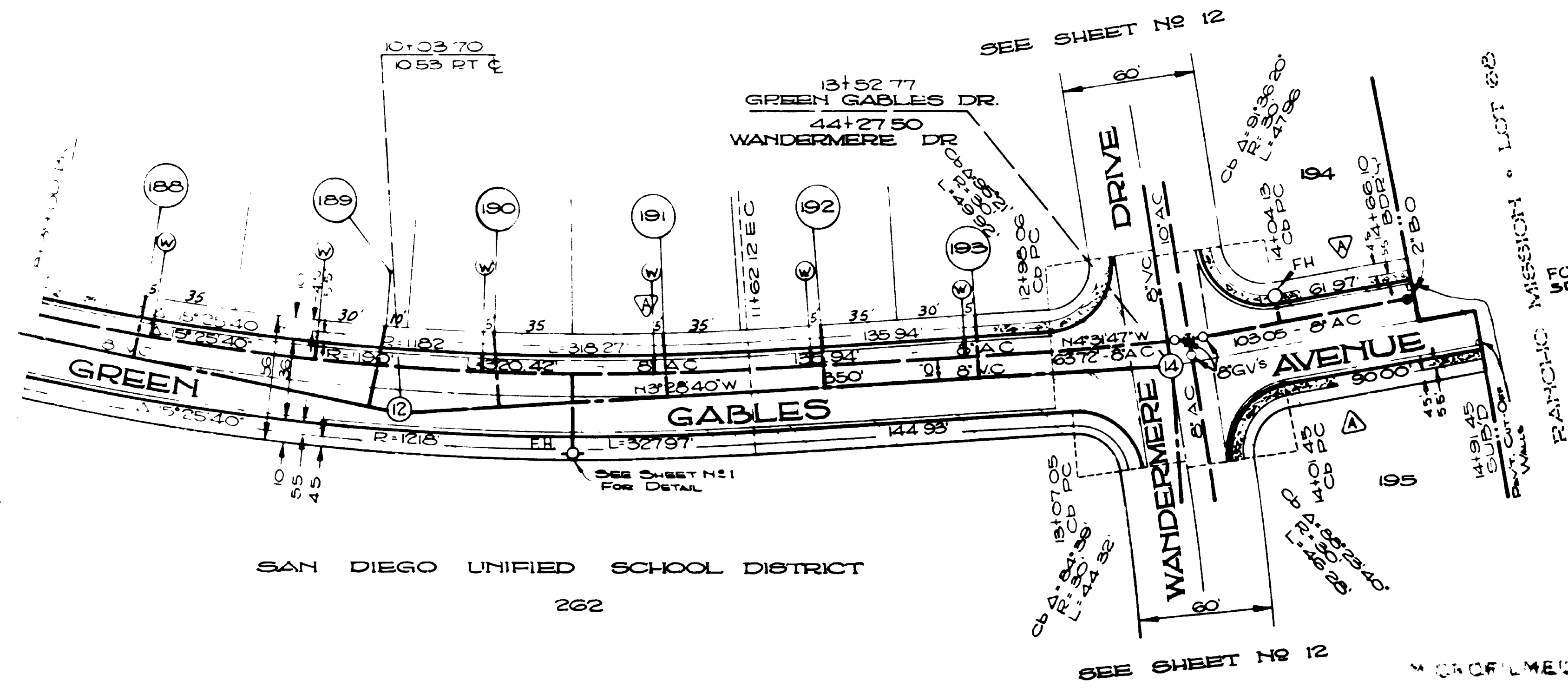


CURB RETURNS
SCALE: HOR. 1"=20' VERT. 1"=3'



PROFILE OF SEWER
SCALE: HOR. 1"=60' VERT. 1"=6'

B.M.
CHISELED "D" ON WEST CURB OF TWIN LAKE DR AT S.W. BORY OF LAKE COUNTRY UNIT NO 1 MAP NO 4315 ELEV. 629.90 (CITY DATUM)



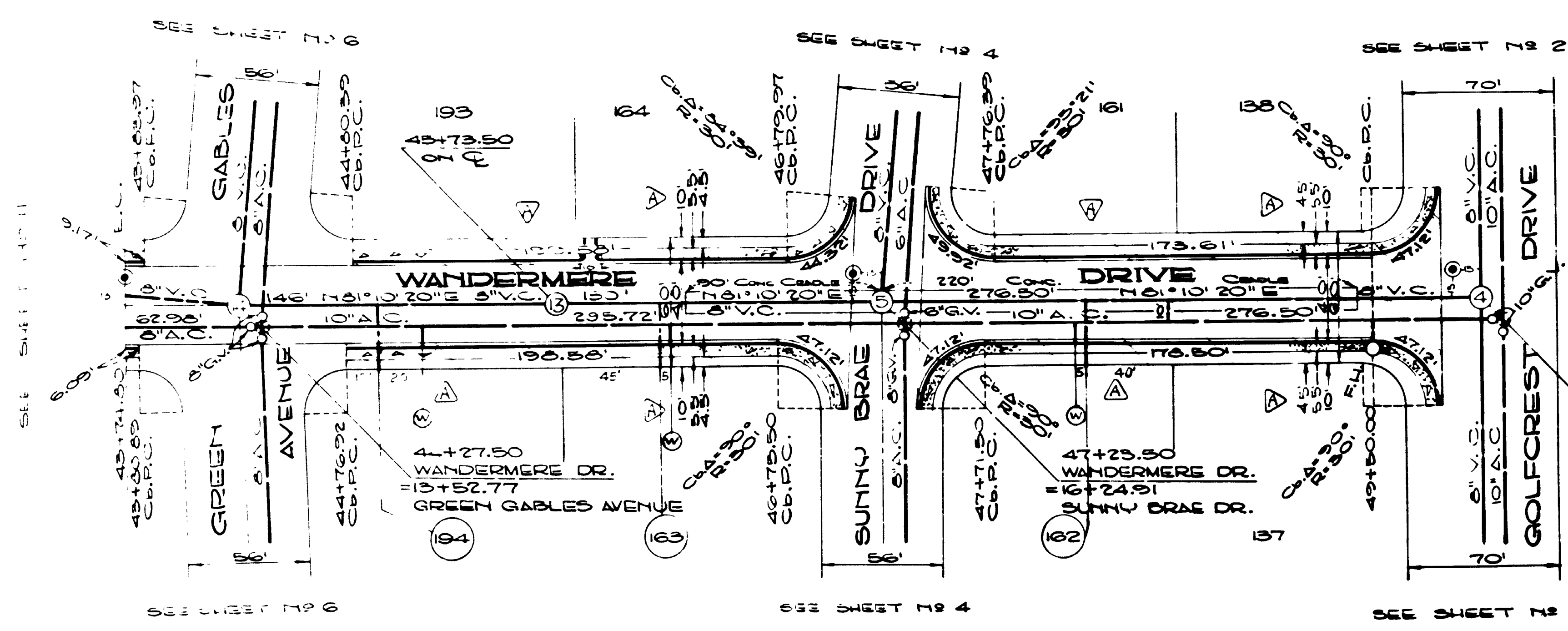
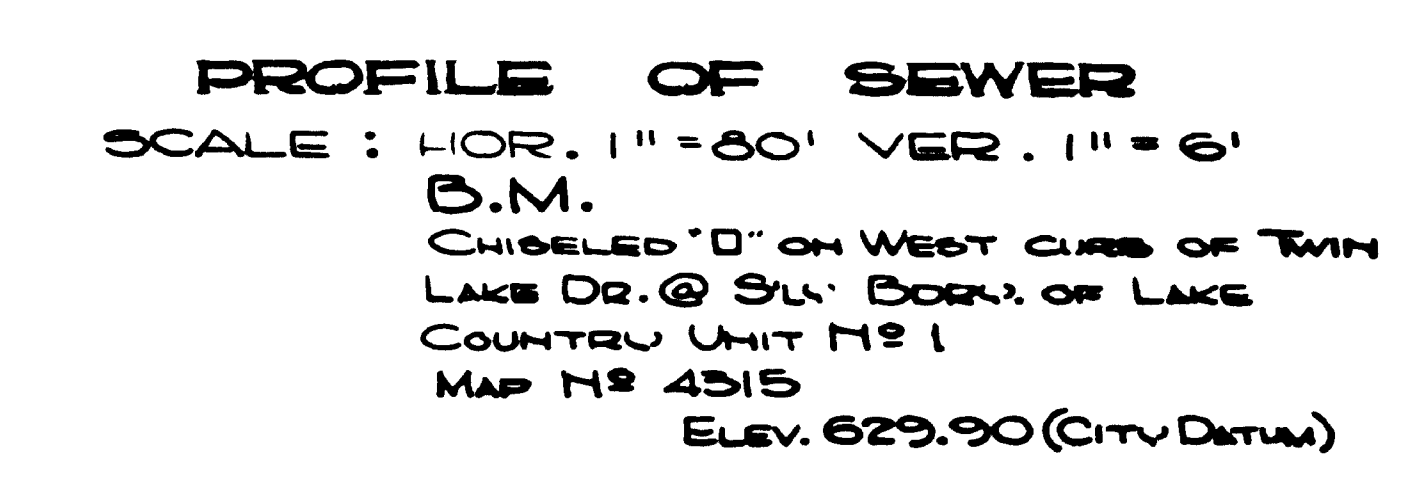
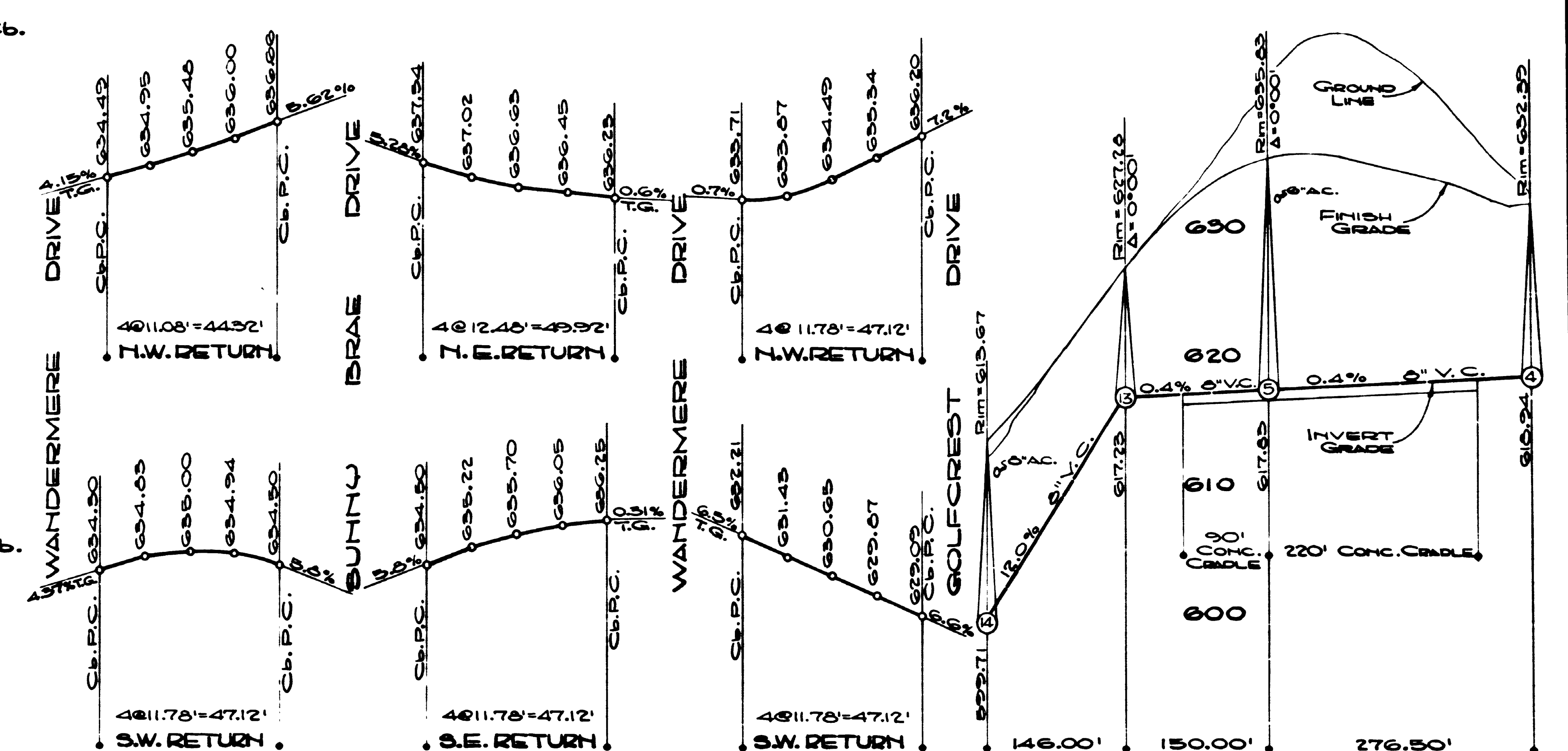
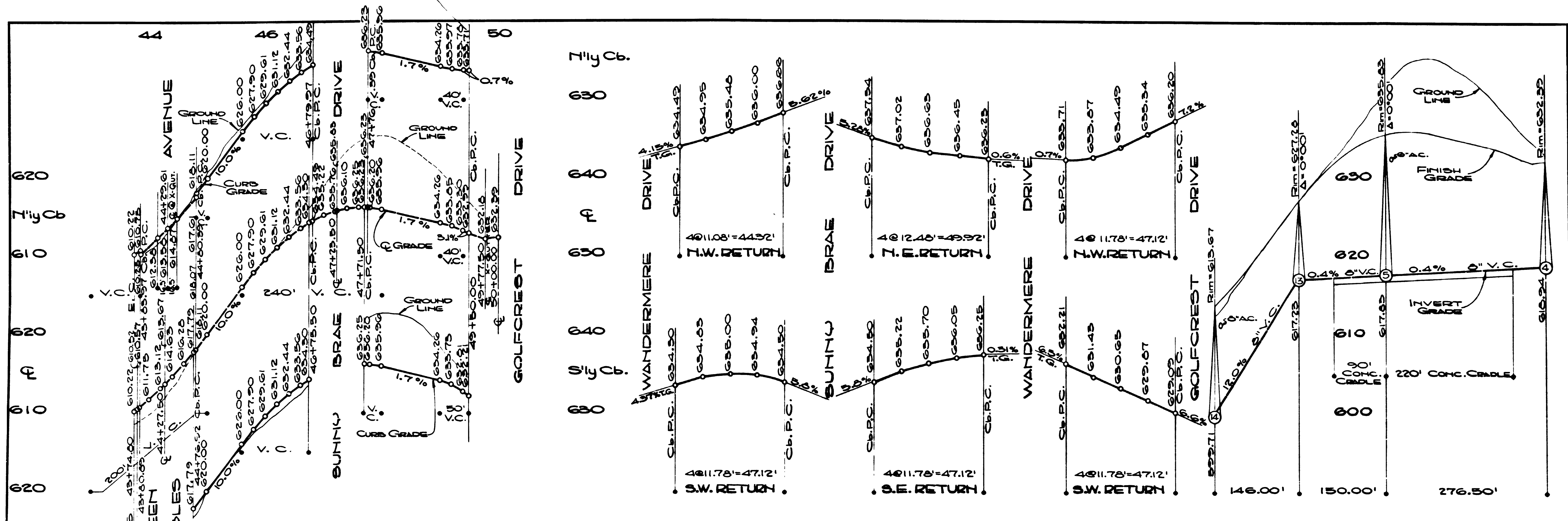
SCALE 1"=40'

FOR CONTINUATION OF STREET SEE DWG. 11A17-5 D, LAKE SHORE #10

PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND • EVENSON & CHRISTENSEN
Bill K. Bramble RCE 8102

LAKE SHORE UNIT NO 3		GREEN GABLES AVENUE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 6 OF 20 SHEETS	
W.O. 76654		NO. 106016 D	
CHANGE	BY	DATE	APPROVAL
AS BUILT	CEA	8/58	[Signature]
CONSTRUCTION RECORD			
JULY 13 1962		MARCH 21 1968	
DESIGNED	BY	CHECKED	BY
CONTR. F. E. HAZARD		PROP. SEE SHEET 1	
FIELD BOOK			

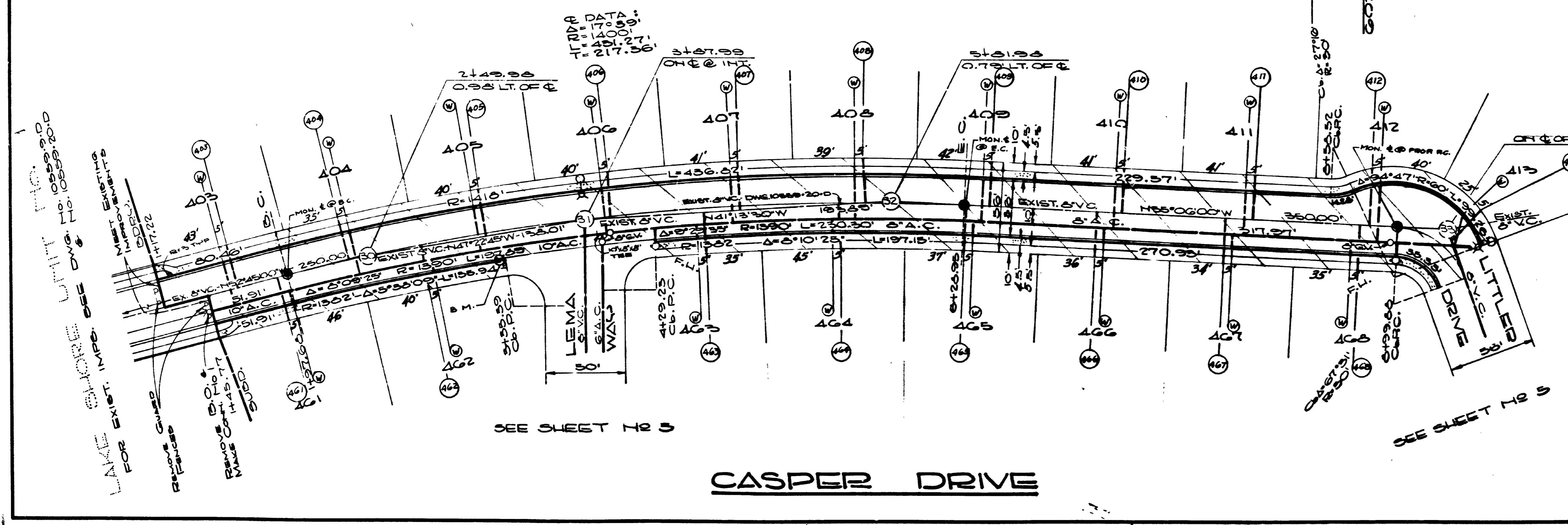
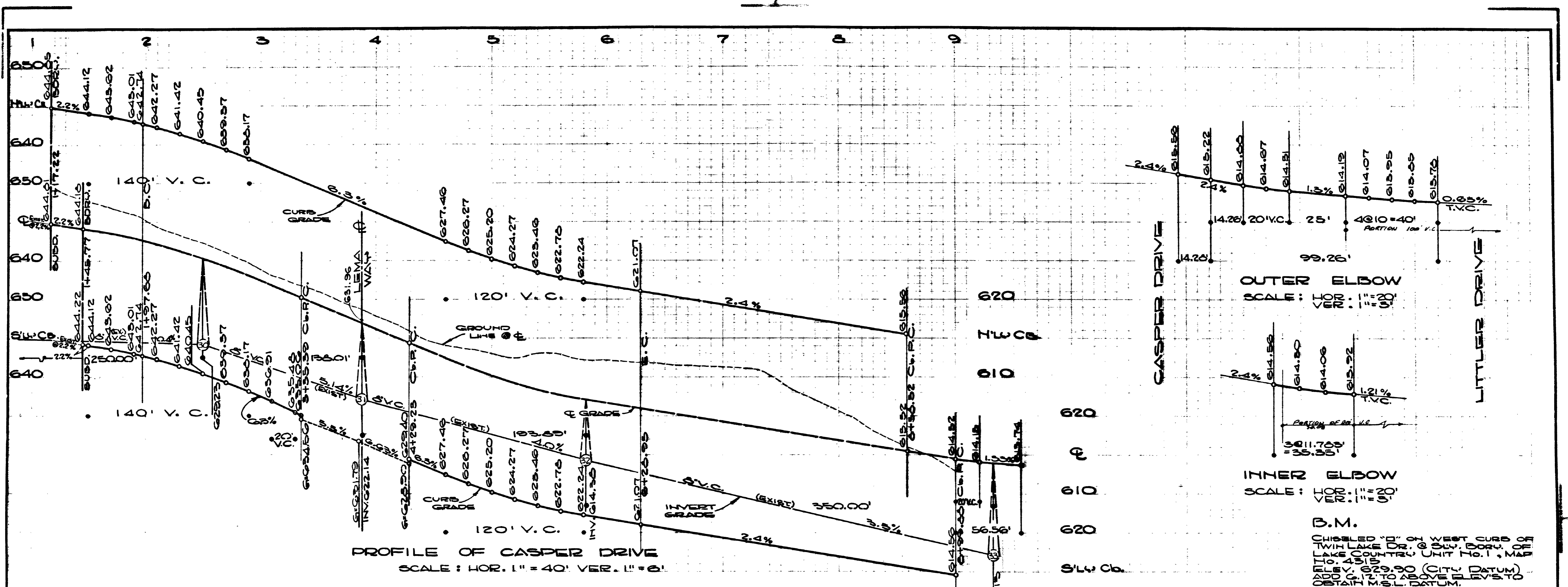
AS BUILT A-5083



PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND • EVENSON & CHRISTENSEN
Bill K. Braith R.C.E. 8102

LAKE SHORE UNIT NO 3		WANDERMERE DRIVE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT			
SHEET 12 OF 20 SHEETS		W.O. 76654	
CHANGE	BY	DATE	APPROVAL
AS BUILT	SEA	8/68	[Signature]
CONSTRUCTION RECORD		APPROVALS FOR	
JULY 13, 1962	MARCH 21, 1968	WATER DEPT.	SEWERAGE
CONTR. R. E. HAZARD	MAP SEE SHEET 1	STRUCTURAL	GRAND
FIELD BOOK		DISIGNED	1060HZ-D

AS BUILT MICROFILMED JAN 10 1969 **A-5083**

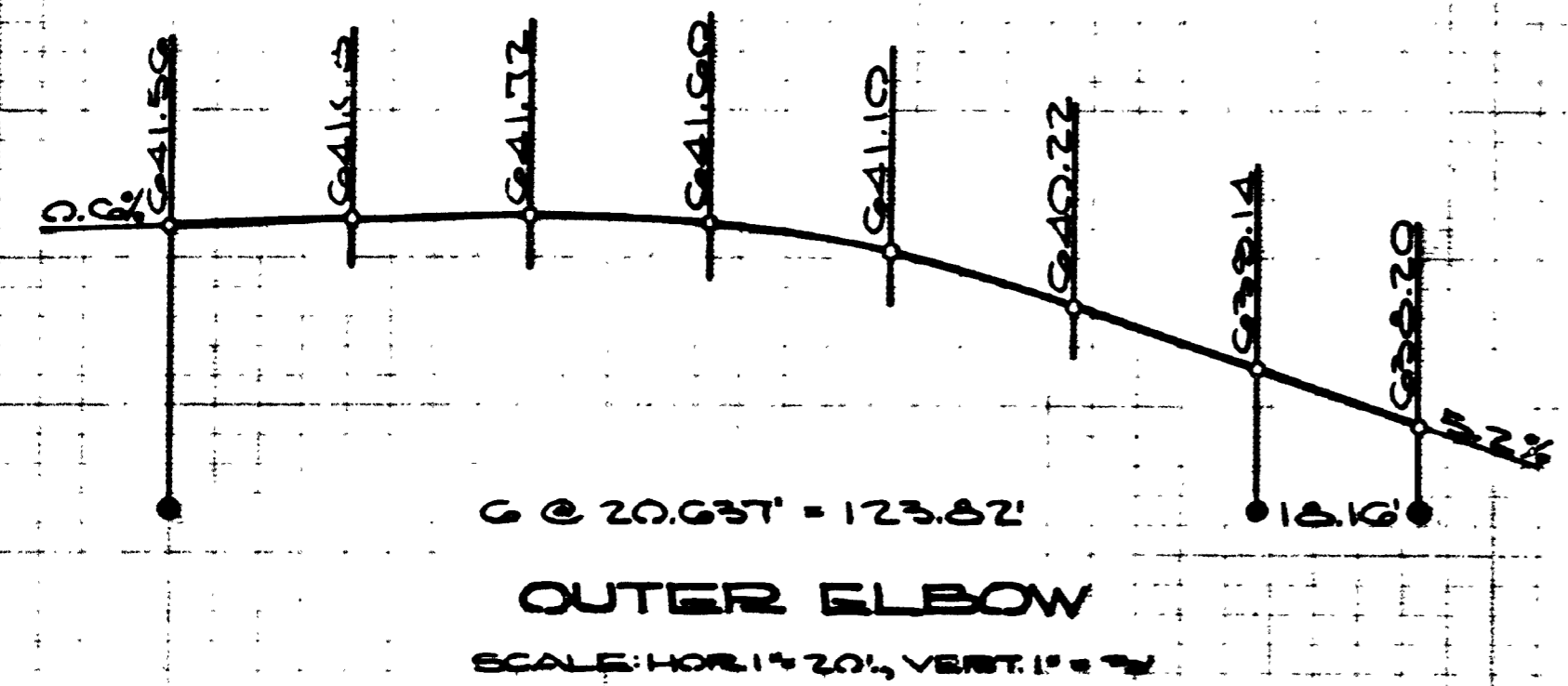


PRIVATE CONTRACT ENGINEER OF DESIGN
 FREELAND • EVENSON
 JUN 18 1966
 JUN 19 1964
 R.C.E. 0102

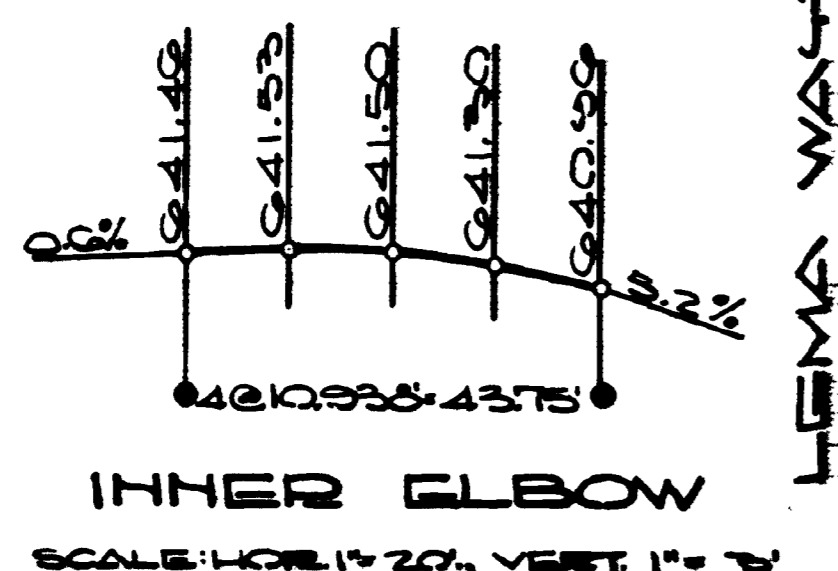
LAKE SHORE UNIT NO 2		CASPER DRIVE	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 2 OF 3 SHEETS	
NO. 76748		DATE: May 20 1964	
CHANGE	BY	DATE	APPROVAL
As Built	MW	7-1-64	[Signature]
CONSTRUCTION RECORD		APPROVALS FOR	
WATER DIST.	PLANNING DEPT.	ENGINEERING	INSPECTION
ELECTRICAL	STRUCTURAL	TRAFFIC	CONTROL
4. Aug 1964	5. May 1965	10875-2-D	
FIELD BOOK		CONTROL	

AS BUILT A-5039

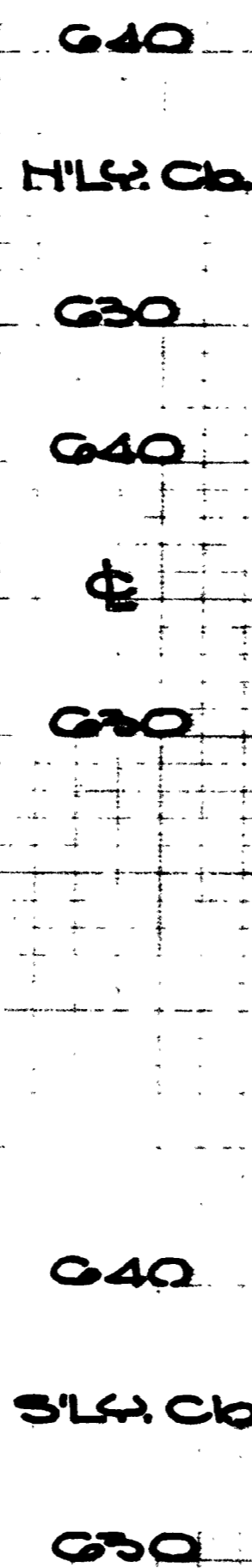
PLAYER DRIVE



PLAYER DRIVE



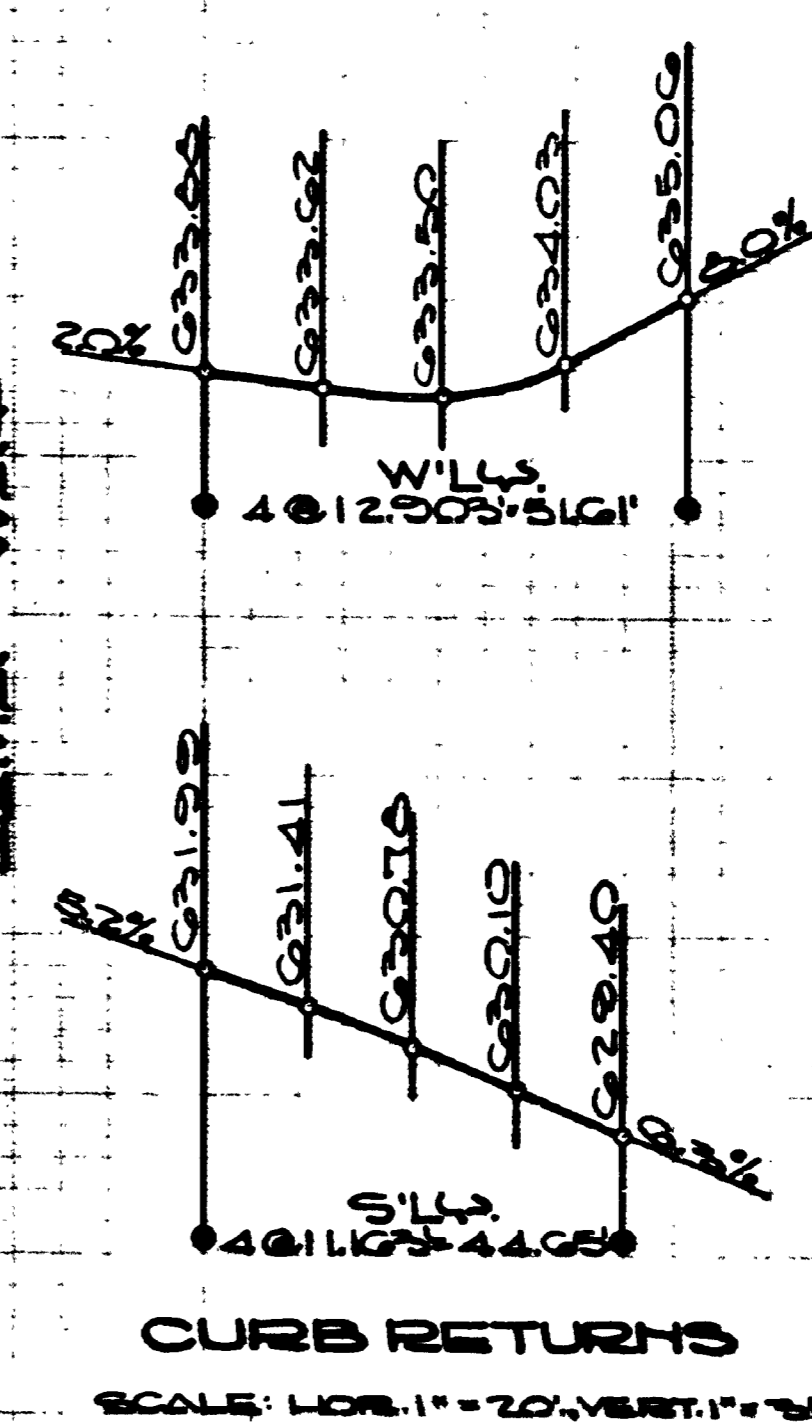
LEMA WAY



PROFILE OF LEMA WAY

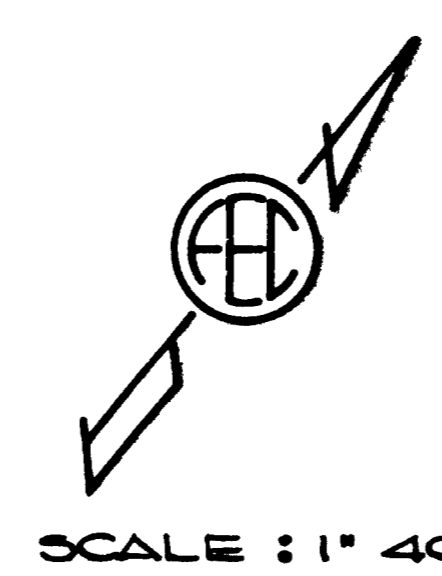
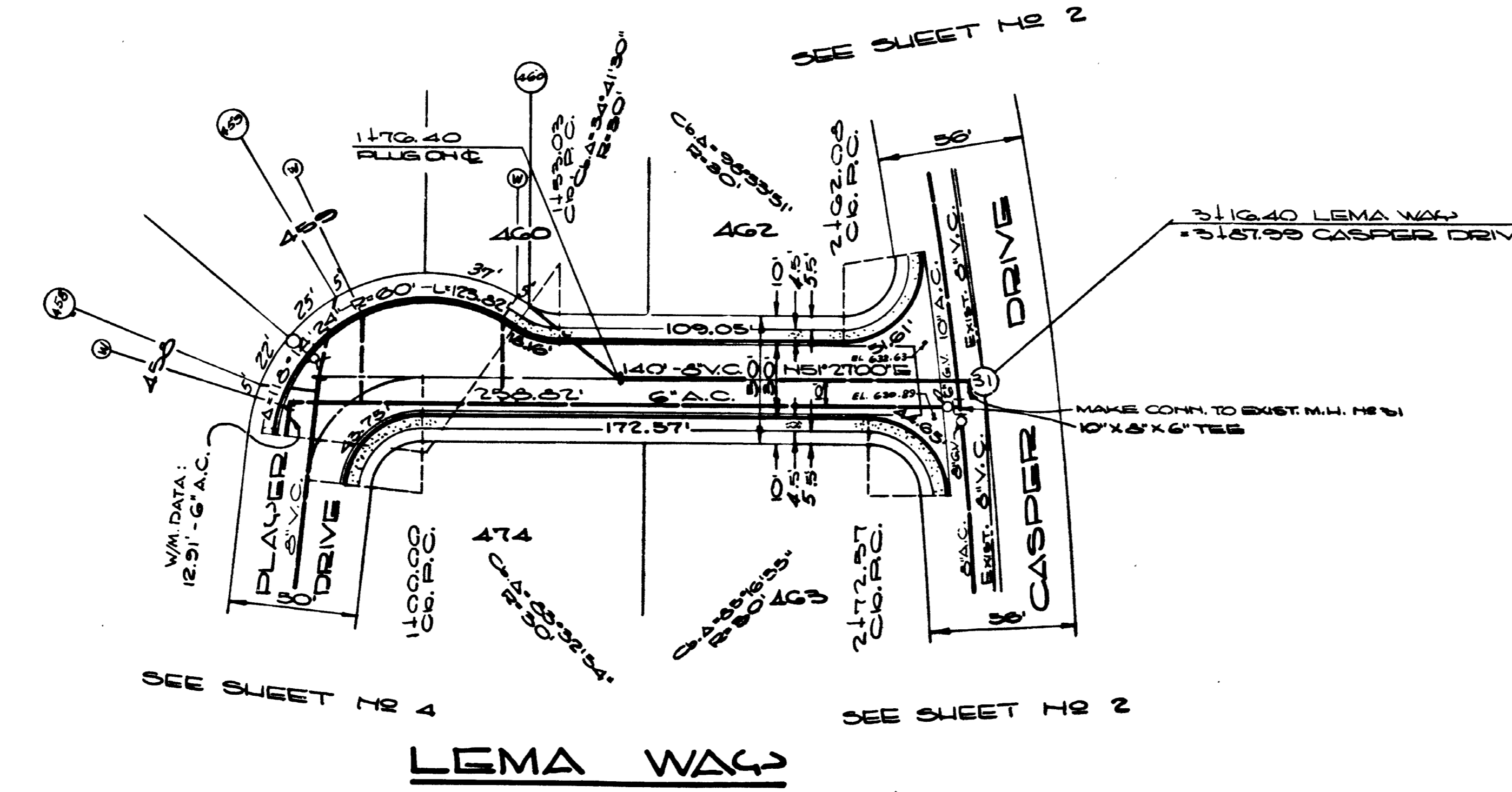
SCALE: HOR. 1" = 40', VERT. 1" = 4'

LEMA WAY



B.M.

CHISELED "D" OF WEST CURB OF TWAIN LAKE DR. @ S.W. CORN. OF LAKE SHORE UNIT NO. 1, MAP NO. 4415 ELEV. 629.90 (CITY DATUM) ADD 0.12' TO ABOVE ELEV. TO OBTAIN M.S.L. DATUM.

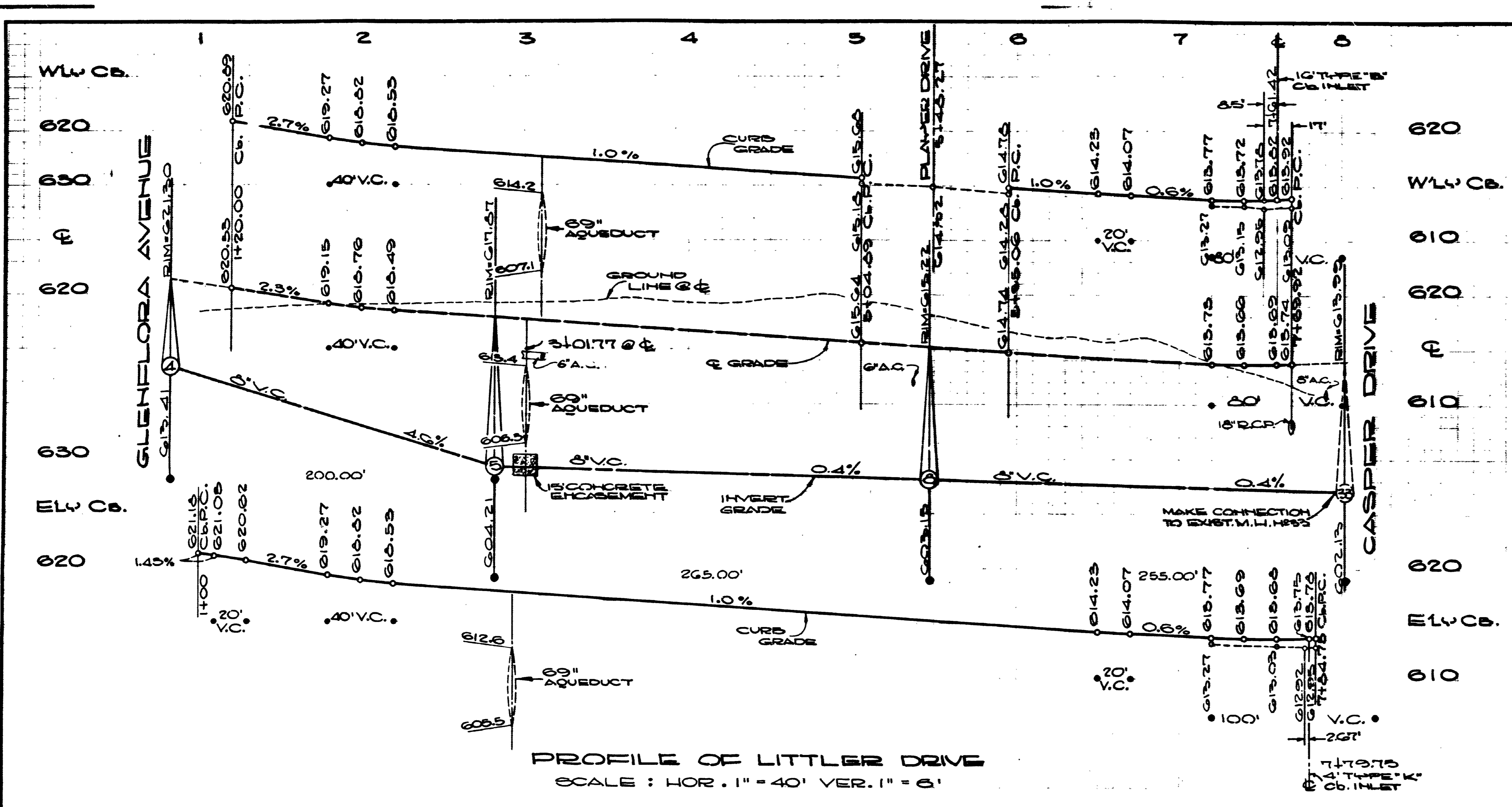


SCALE: 1" = 40'

MICROFILMED
PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND • EVANS • CURISTEEN
Paul K. Bramble R.C.E. 0102

LAKE SHORE UNIT NO 2		LEMA WAY		NO. 76740
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 3 OF 8 SHEETS		NO. 10875-3-D
PLAN REVISION				
CHANGED BY	DATE	APPROVAL		
As Built	M.M. 7-1-62	<i>[Signature]</i>	May 20 1964	
CONSTRUCTION RECORD			APPROVALS FOR	
4, Aug. 1964	4, May 1965	DATE COMPLETED	WATER DEPT.	SEWERAGE
			PLANNING DEPT.	DRAINAGE
			ELECTRICAL	HIGHWAY
			STRUCTURAL	BLADES
			TRAFFIC	CONTROL
CONV. Sunset Petroleum			10875-3-D	

AS BUILT A-5039



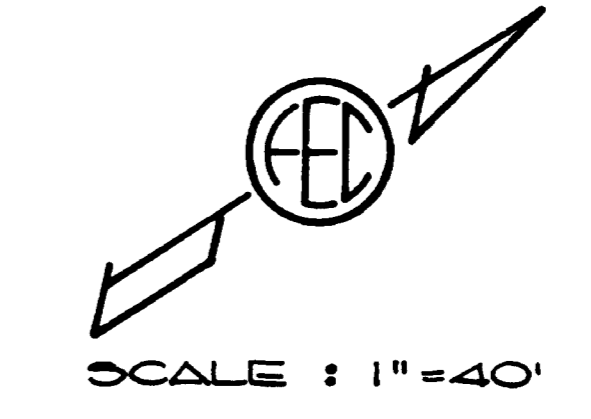
PROFILE OF LITTLER DRIVE
SCALE: HOR. 1" = 40' VER. 1" = 6'

B.M.
CHISELED "B" ON WEST CURB OF
TWIN LAKE DR. @ SW. CORN. OF
LAKE COUNTRY UNIT NO. 1, MAP
TO 4315.
ELEV. 629.90 (CITY DATUM)
ADD 61.2' TO ABOVE ELEV. TO
OBTAIN M.S.L. DATUM

SEE SHEET NO 6

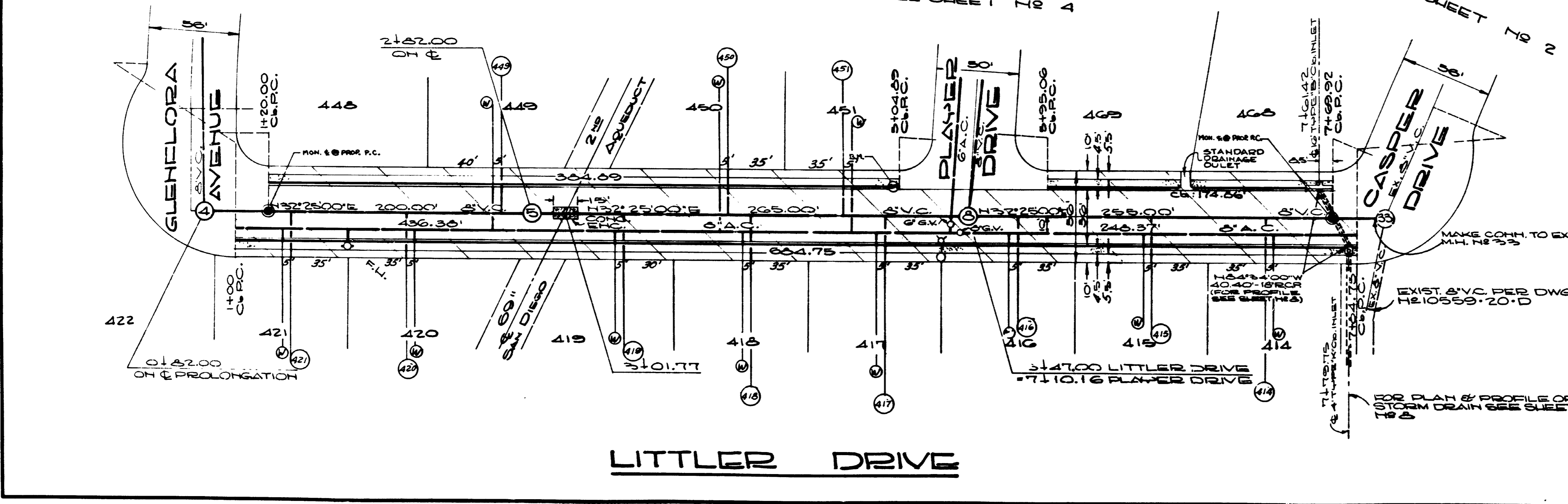
SEE SHEET NO 4

SEE SHEET NO 2



MICROFILMED
JUL 16 1965
APPROVED: SAN DIEGO COUNTY
WATER AUTHORITY
By: *[Signature]*
Date: 4/13/64

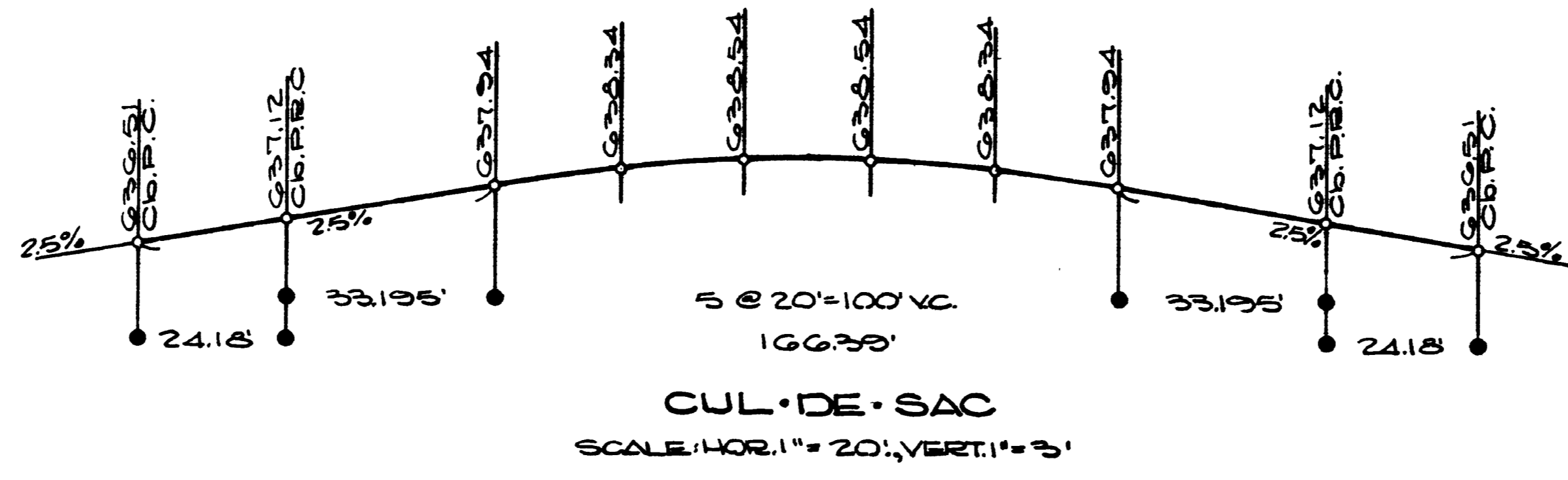
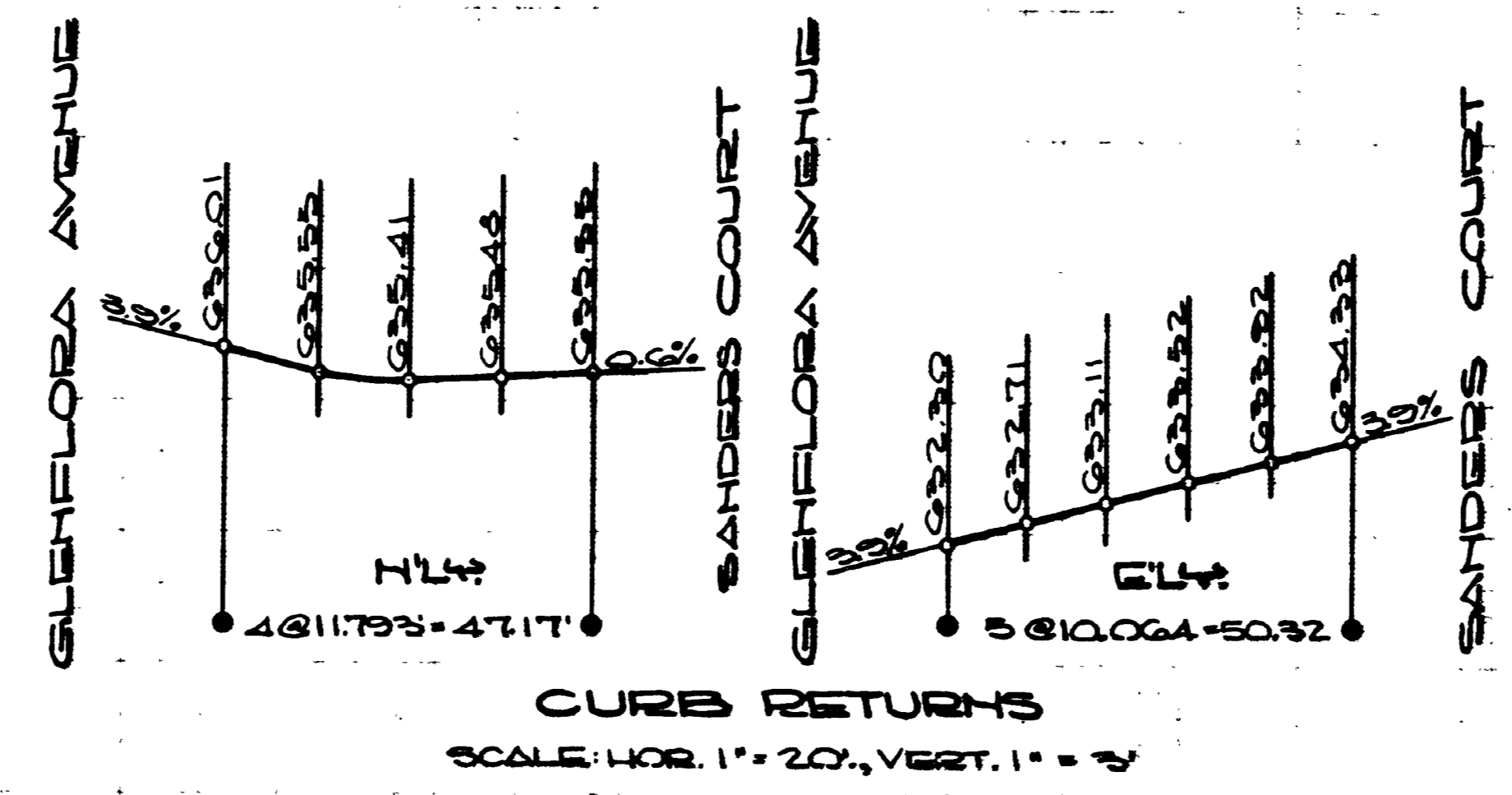
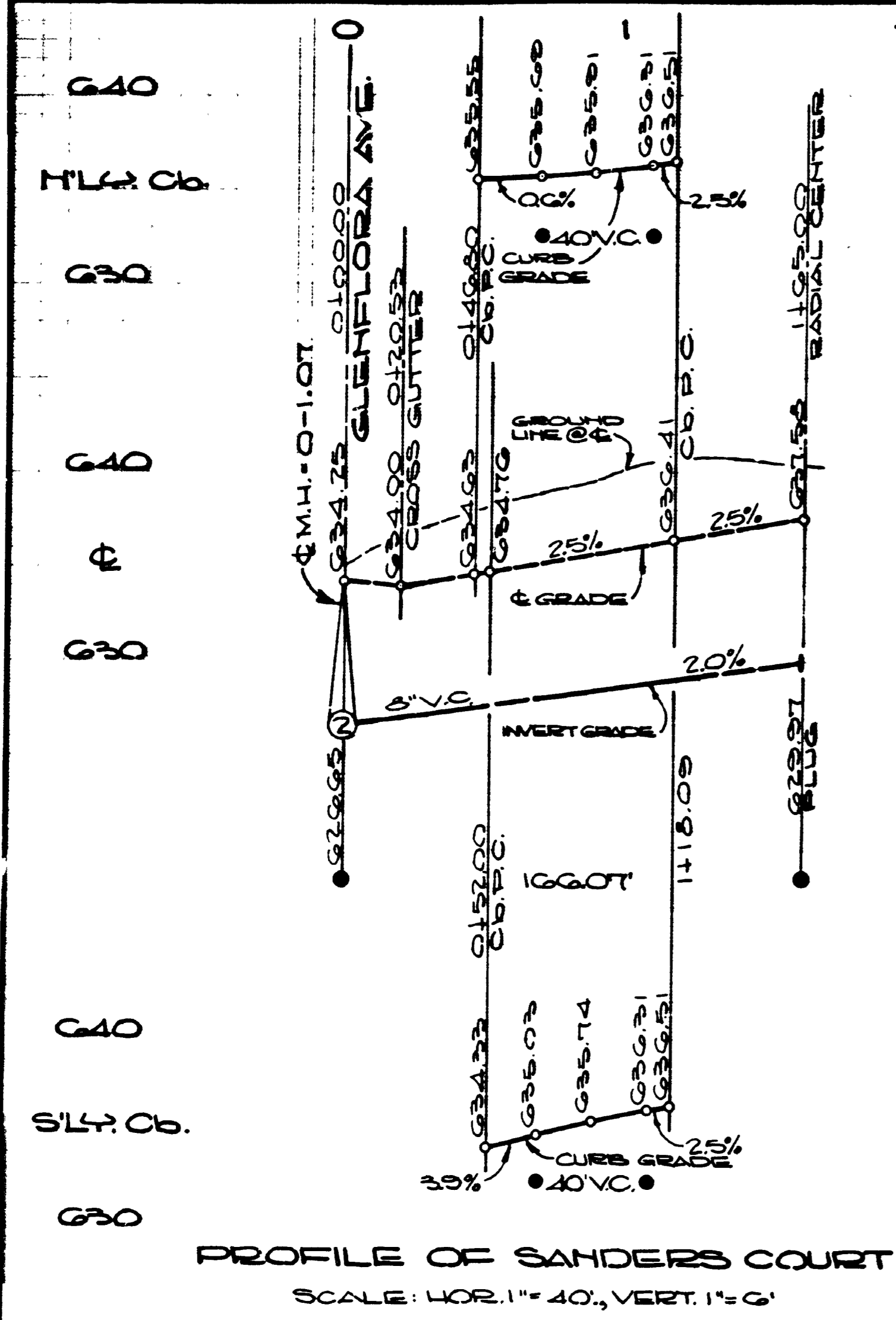
PRIVATE CONTRACT FREELAND • EVENSON & CHRISTENSEN
ENGINEER OF DESIGN
Bill K. Brank R.C.E. 0102



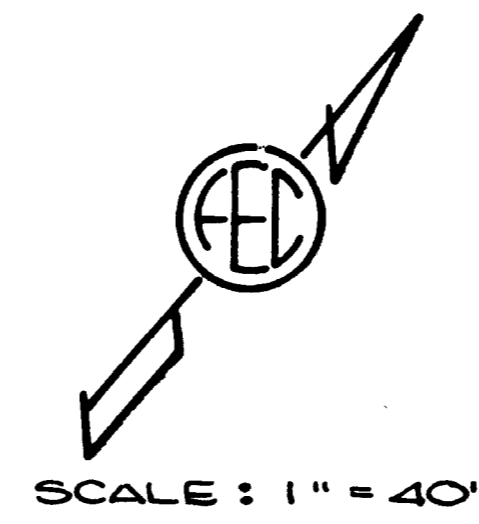
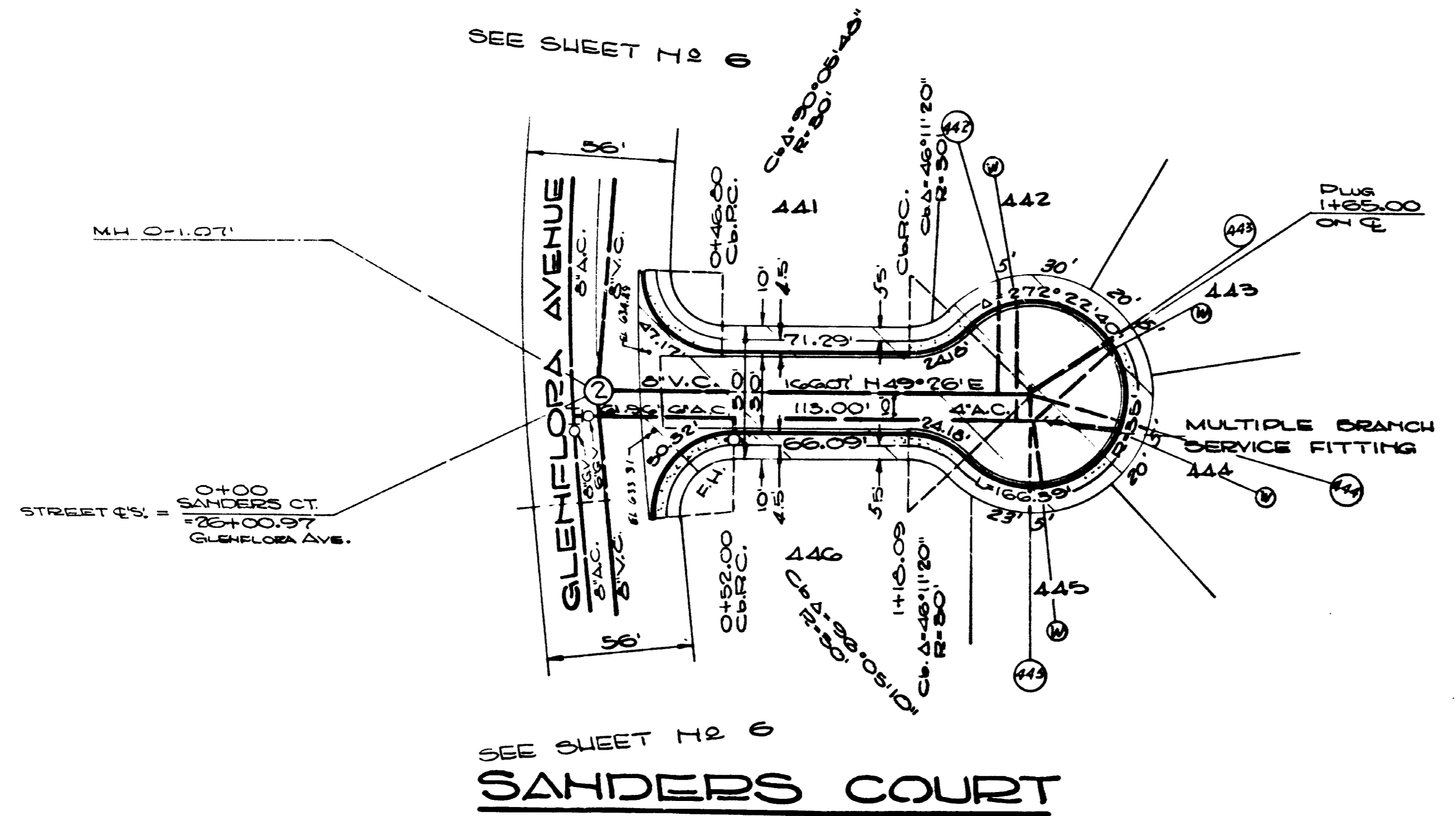
LITTLER DRIVE

LAKE SHORE UNIT NO 2		LITTLER DRIVE		SHEET 5 OF 8 SHEETS		W.D. 76748	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT				APPROVALS FOR			
PLANNING	BY	DATE	APPROVAL	WATER DEPT.	SEWERAGE	STREET LIGHTS	OFFICE ENGINEER
DESIGNED	BY	DATE	APPROVAL	DRAINAGE	HIGHWAY	TRAFFIC	DESIGNED
4 Aug 1964		4 May 1965					
CONTR. Sunset Petroleum	BY	DATE	APPROVAL	STRUCTURAL	GRADER		
FIELD BOOK							

AS BUILT 5039



B.M.
CHISELED "B" ON WEST CURB OF TWIN LAKE DR., @ S.W. CORN. OF LAKE COUNTRY UNIT No. 1 MAP No. 4315 ELEV. 629.00 (CITY DATUM) ADD 0.12' TO ABOVE ELEV'S. TO OBTAIN M.S.L. DATUM.

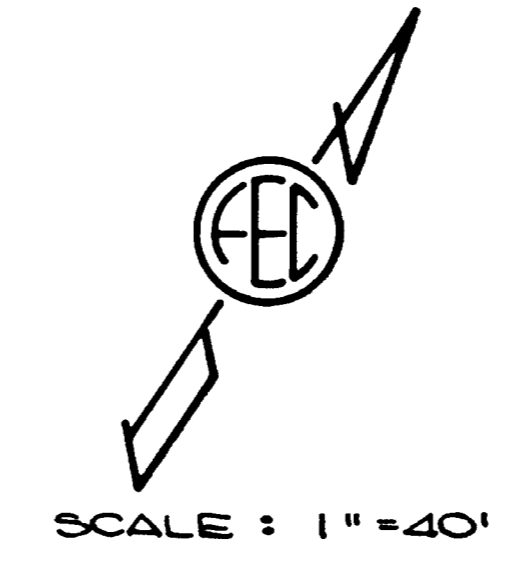
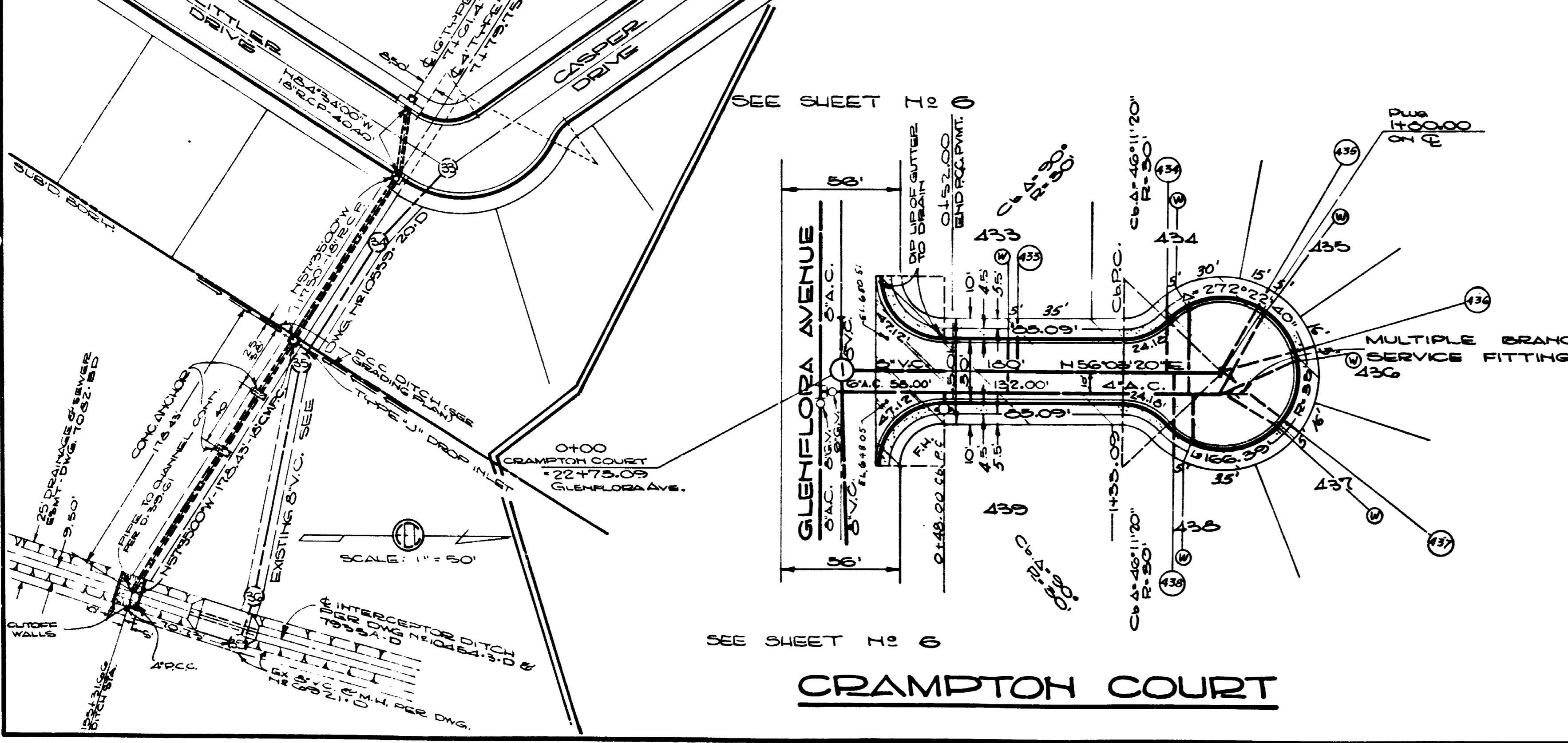
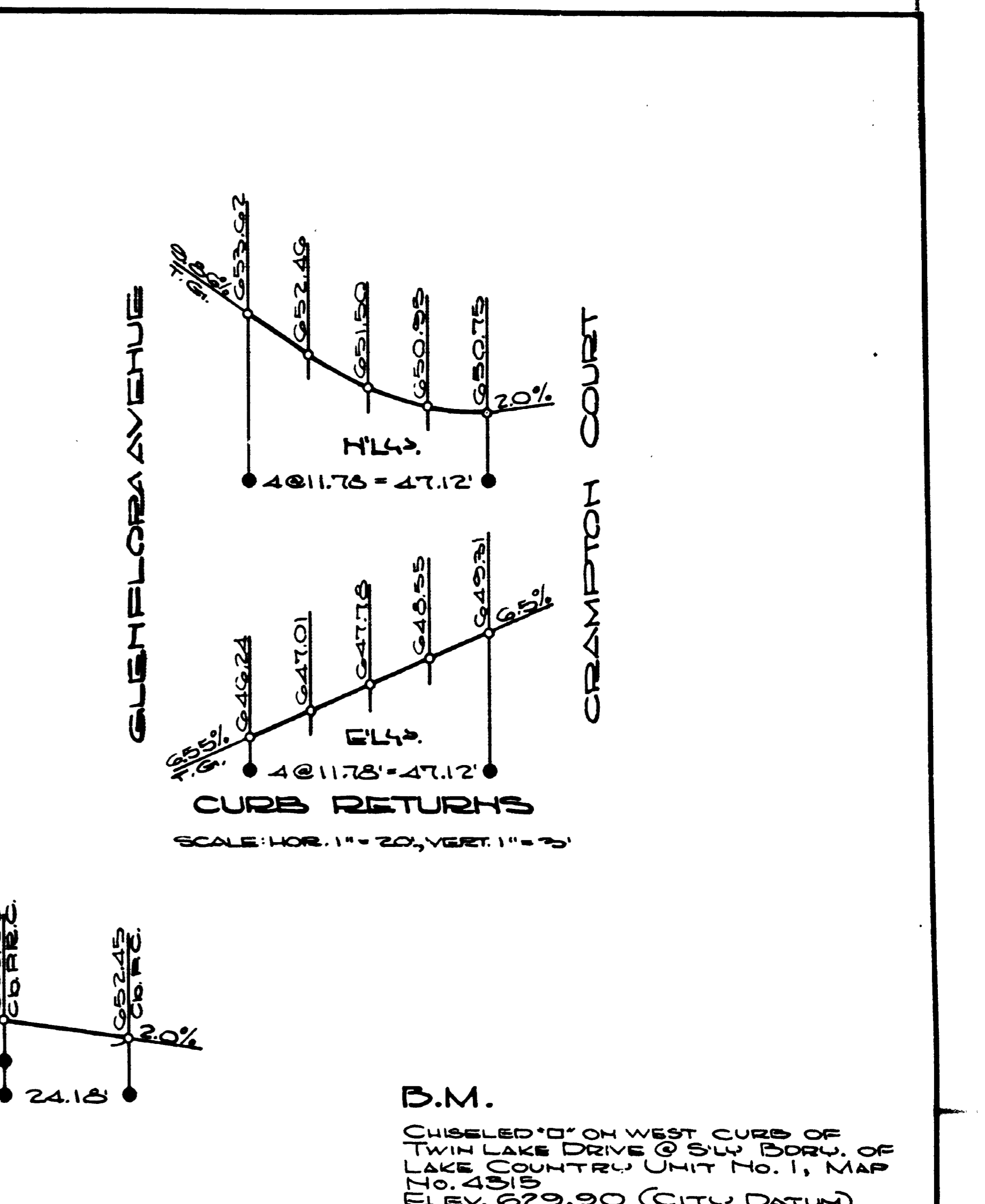
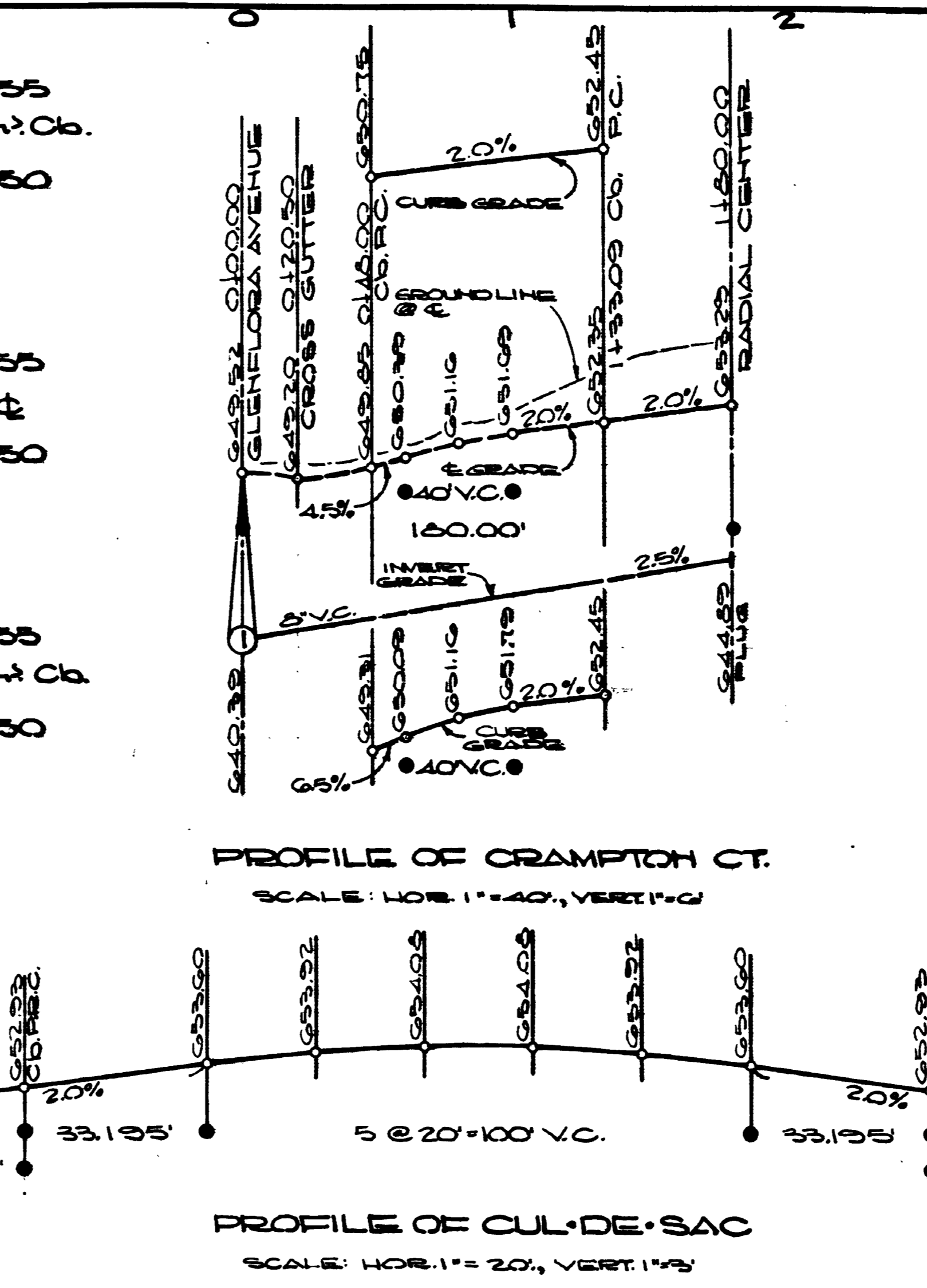
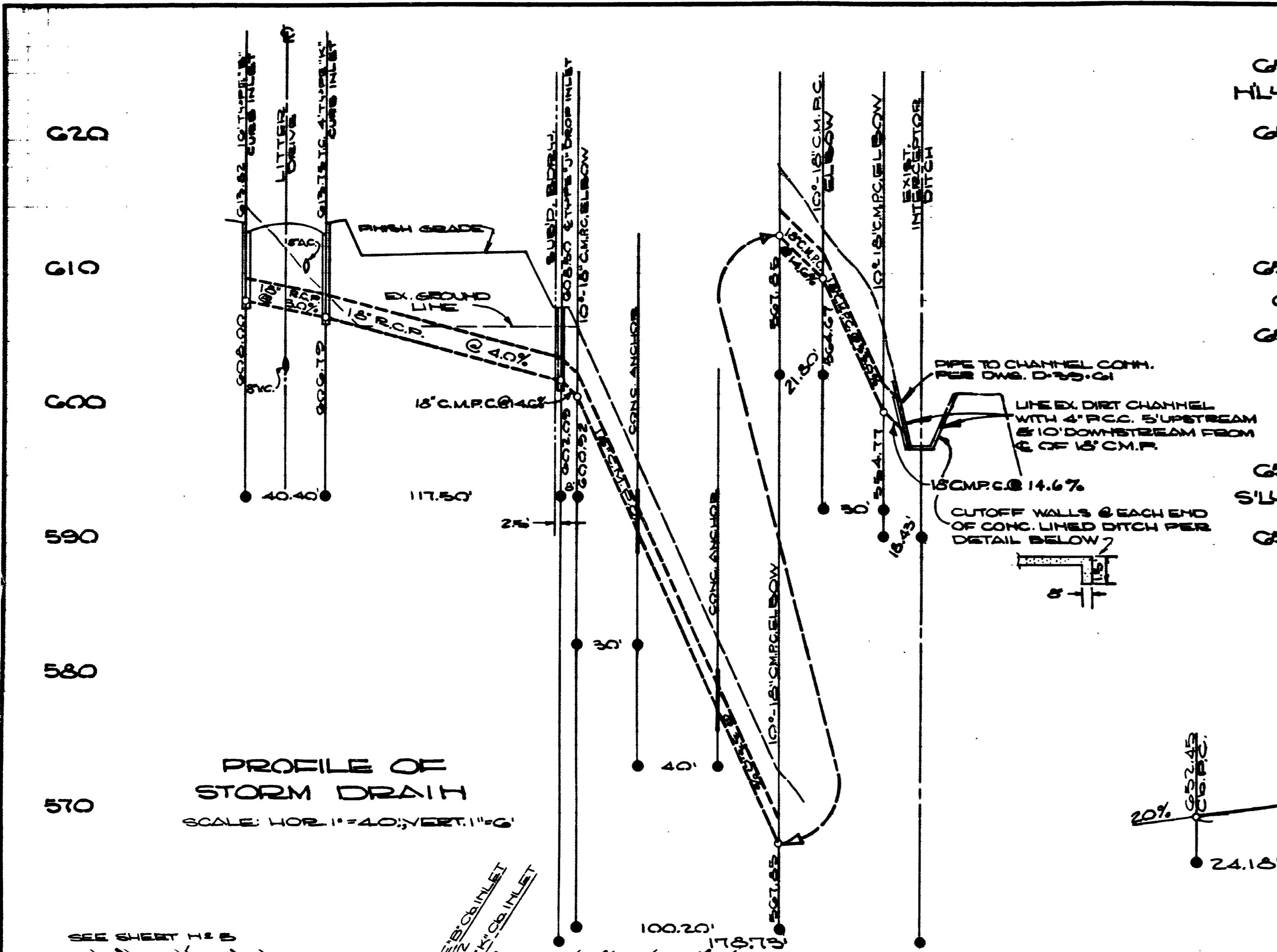


MICROFILMED
JUL 16 1965

PRIVATE CONTRACT ENGINEER OF DESIGN
FREELAND - EVENSON & CHRISTENSEN
Bill K. Bramble, C.E. 5102

LAKE SHORE UNIT No 2		SANDERS COURT JUN 19 1965	
CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 7 OF 8 SHEETS	
W.D. NO. 76748			
CHANGES	BY	DATE	APPROVAL
As Built	MW	7-1-65	<i>[Signature]</i> May 20 1965
APPROVALS FOR		DATE	
WATER DEPT.	SEWERAGE		
PLANNING DEPT.	DRAINAGE		
CONSTRUCTION RECORD		CHECKED	
4 Aug 1966	9 May 1965		
DATE REVISION	DATE COMPLETE	STRUCTURAL	GRADES
CONTR. Sunset Petroleum Imp. Mill	Byville	TRAFFIC	CONTROL
FIELD BOOK			10875-7-D

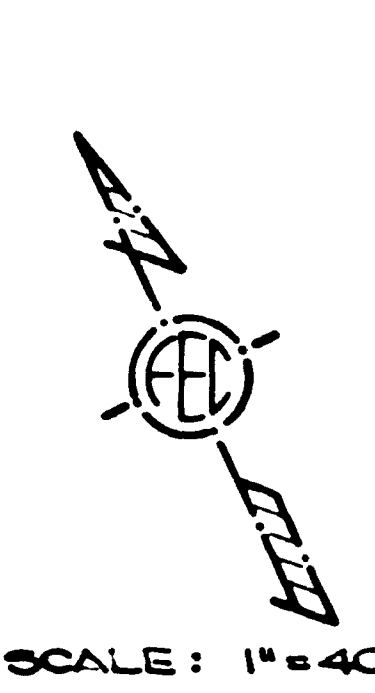
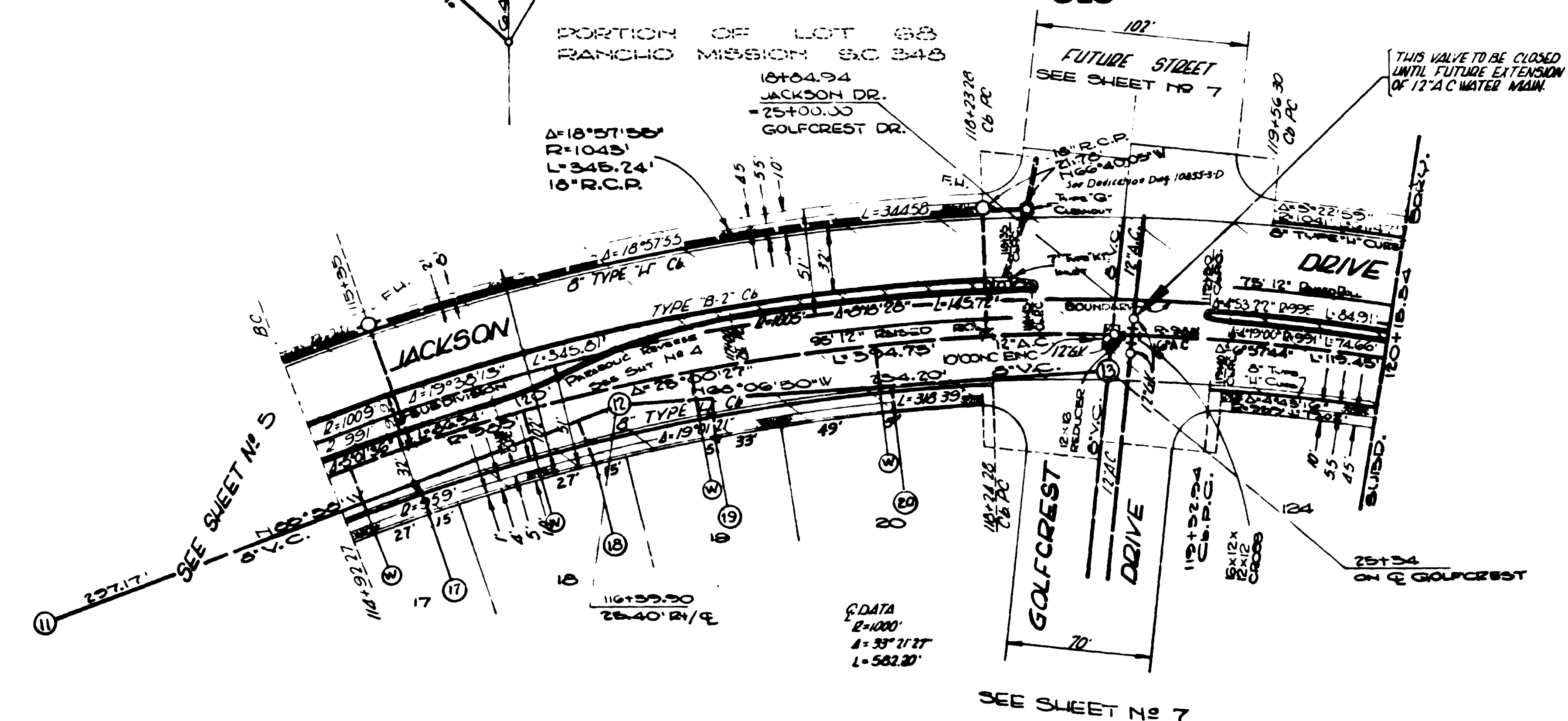
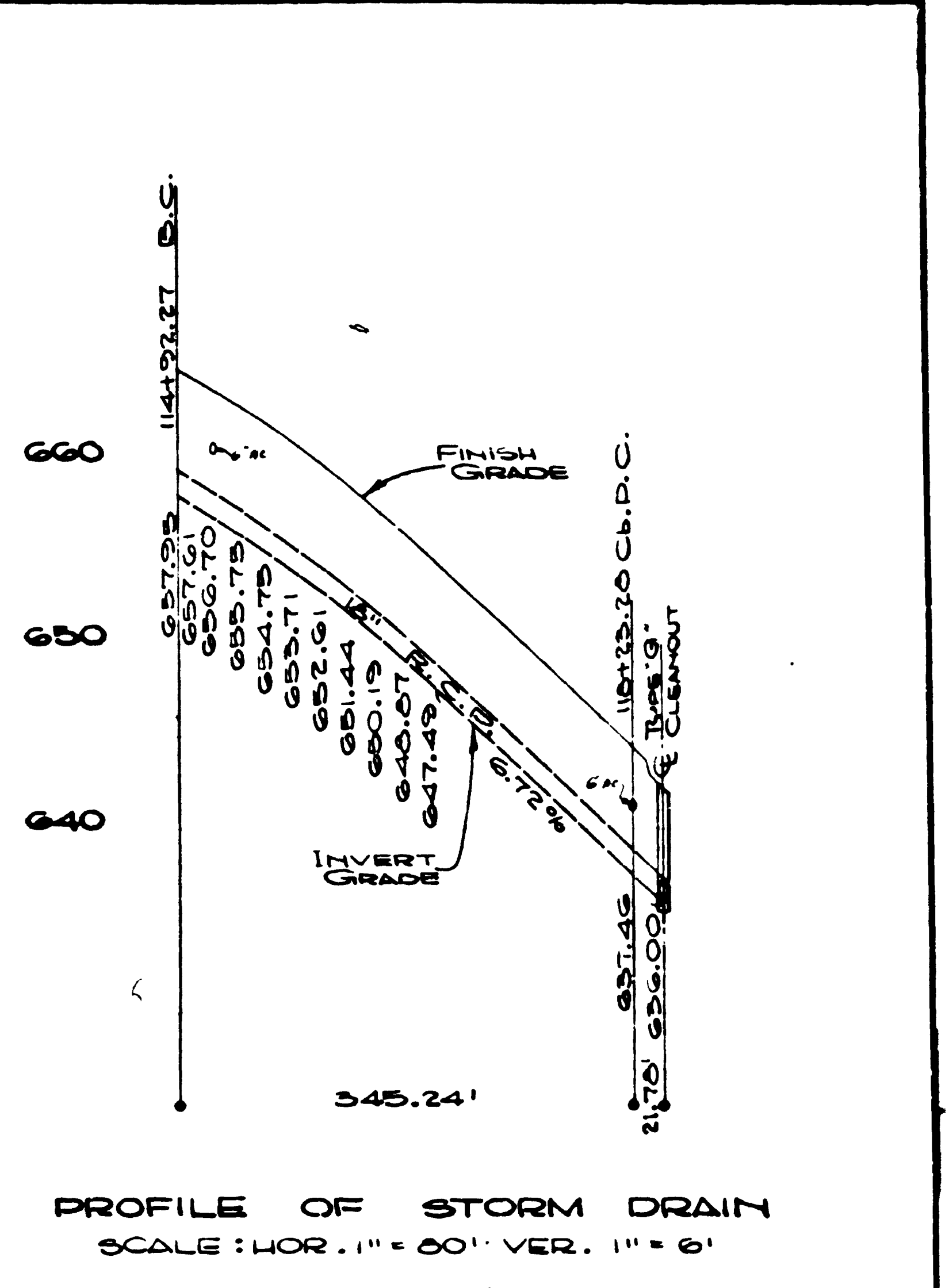
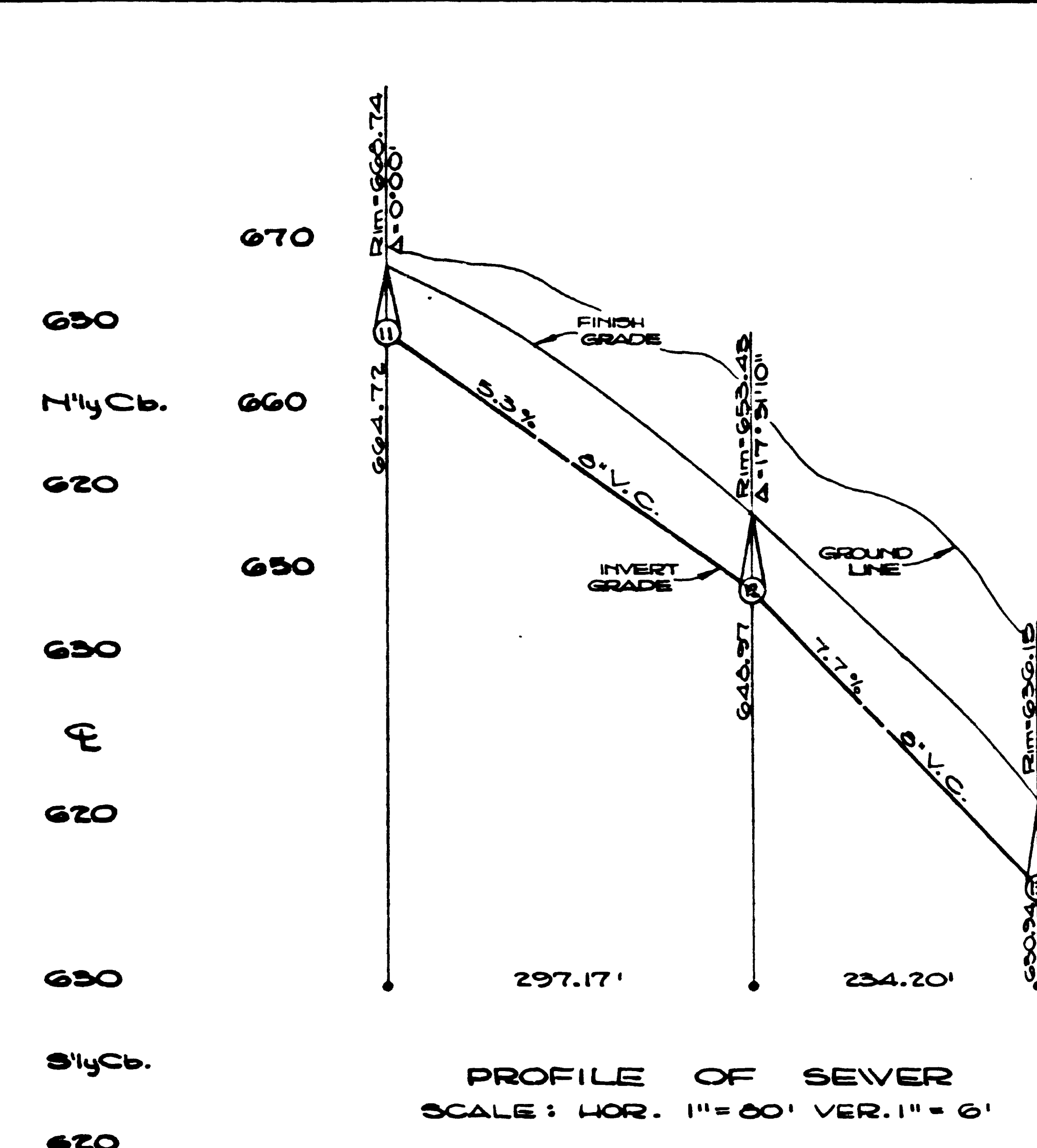
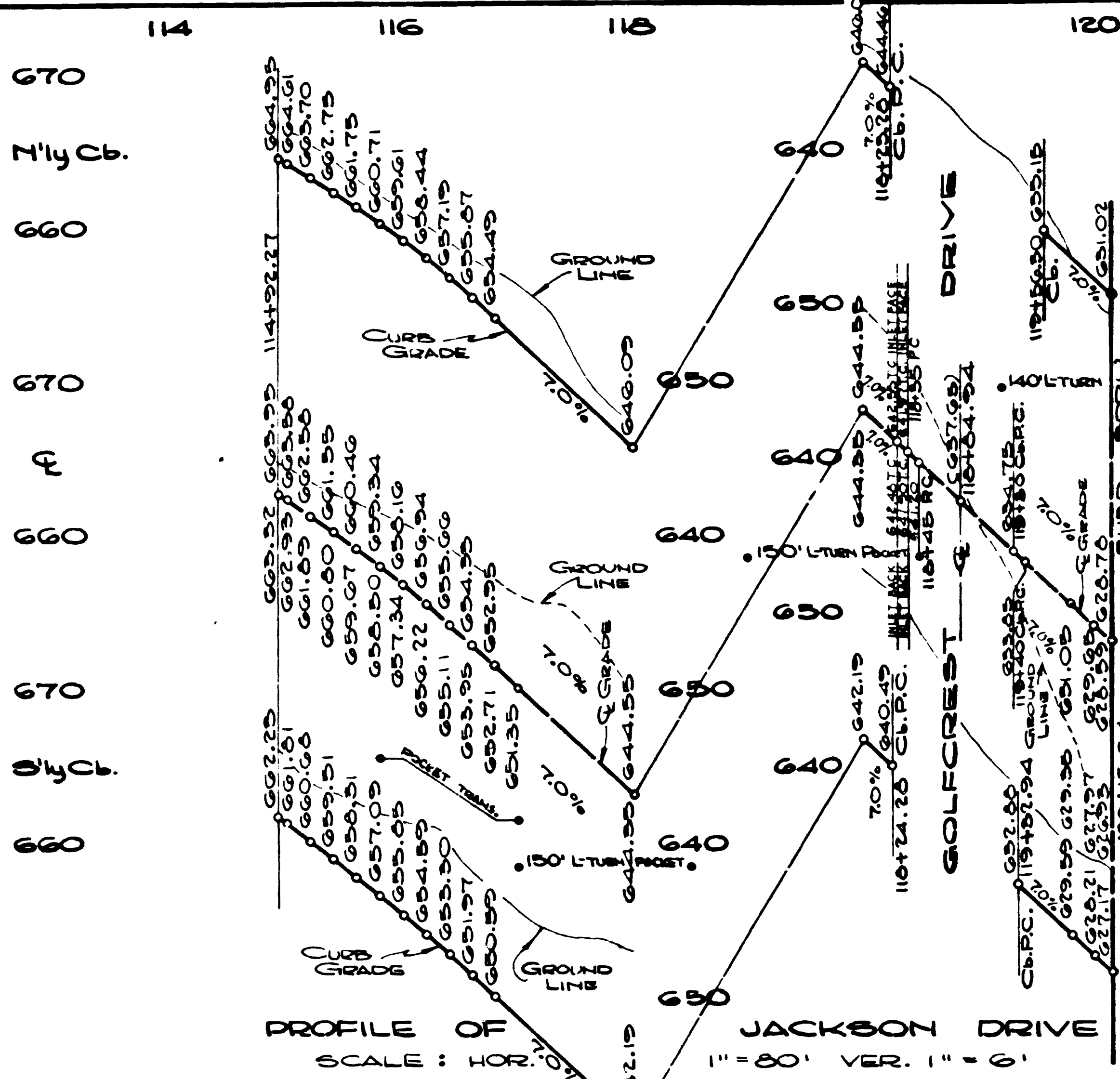
AS BUILT A-5039



MICROFILMED
 PRIVATE CONTRACT ENGINEER OF DESIGN
 FREELAND • EVENSON • BOSTENEN
 1201 K. Bramble, R.C.E. 502

LAKE SHORE UNIT No 2		CRAMPTON COURT & STORM DRAIN UNIT No 4		NO. 76748
CITY OF SAN DIEGO ENGINEERING DEPARTMENT			SHEET 8 OF 8 SHEETS	
CHANGE	BY	DATE	APPROVAL	DATE
As Built	M.H.	7-1-65	<i>[Signature]</i>	May 20 1965
CONSTRUCTION RECORD			APPROVALS FOR	
4 Aug 1962	4 May 1965			
CONTR. Sunset Petroleum	DATE COMPLETED			
FIELD BOOK				
				10875-0-D

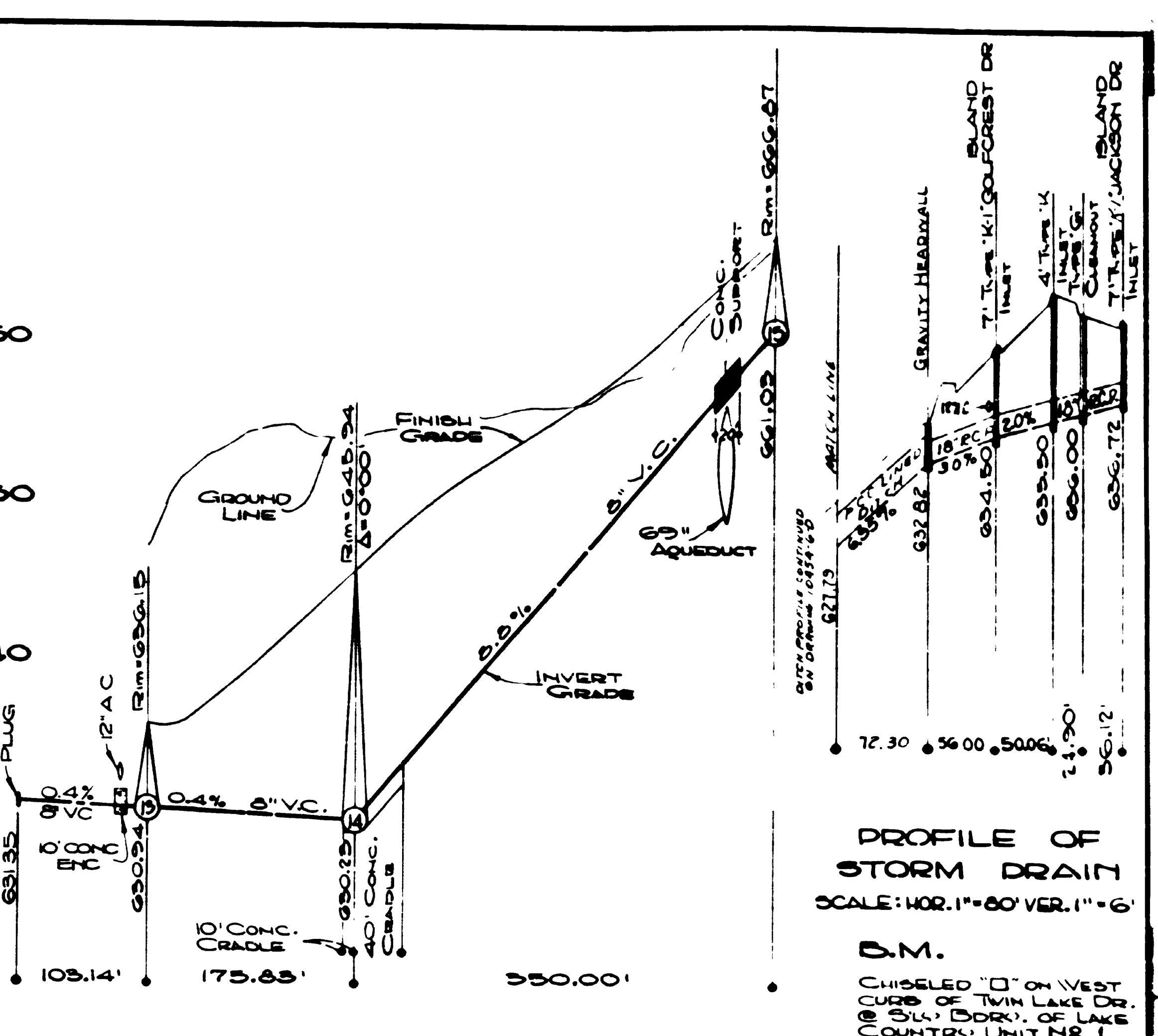
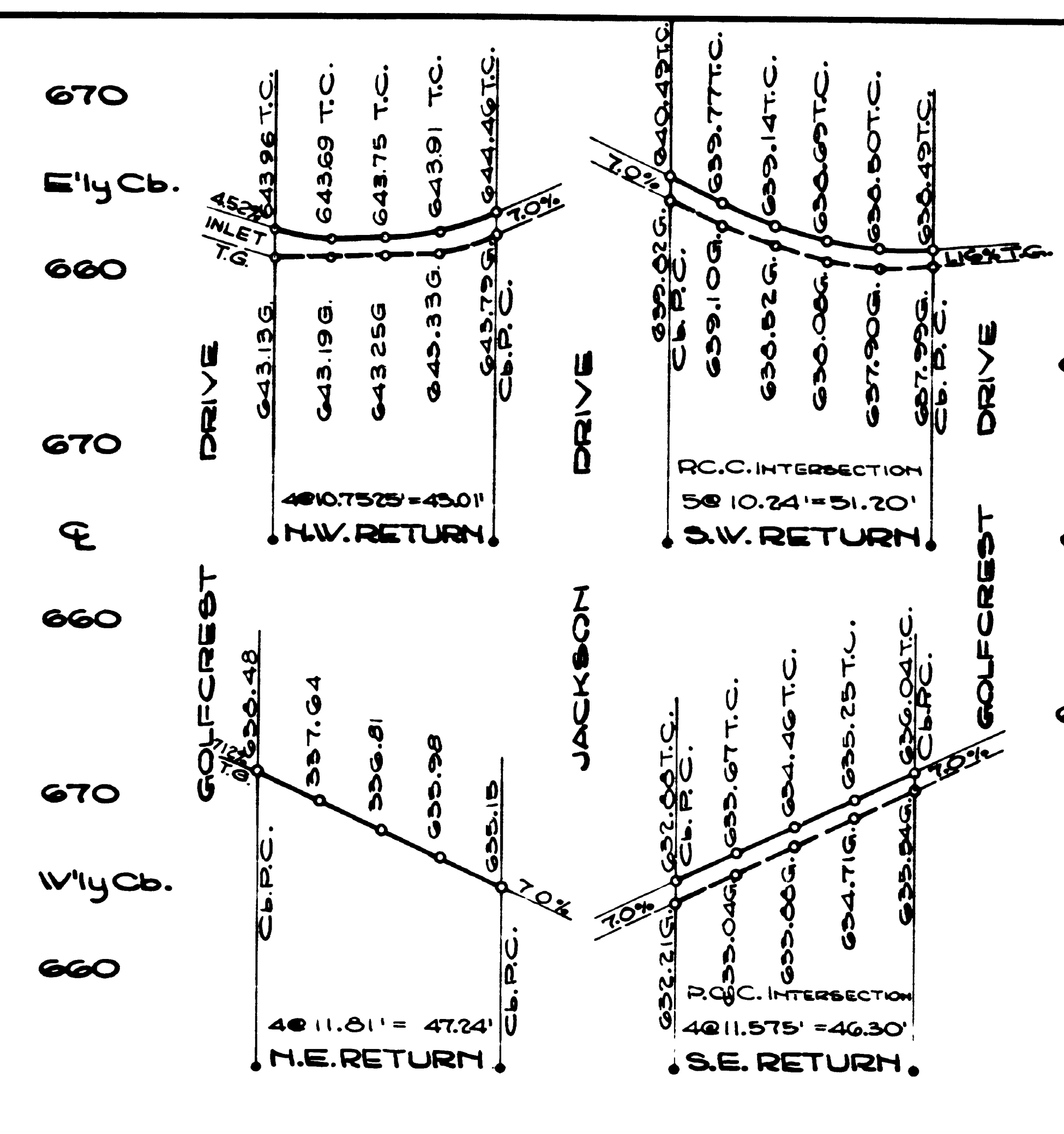
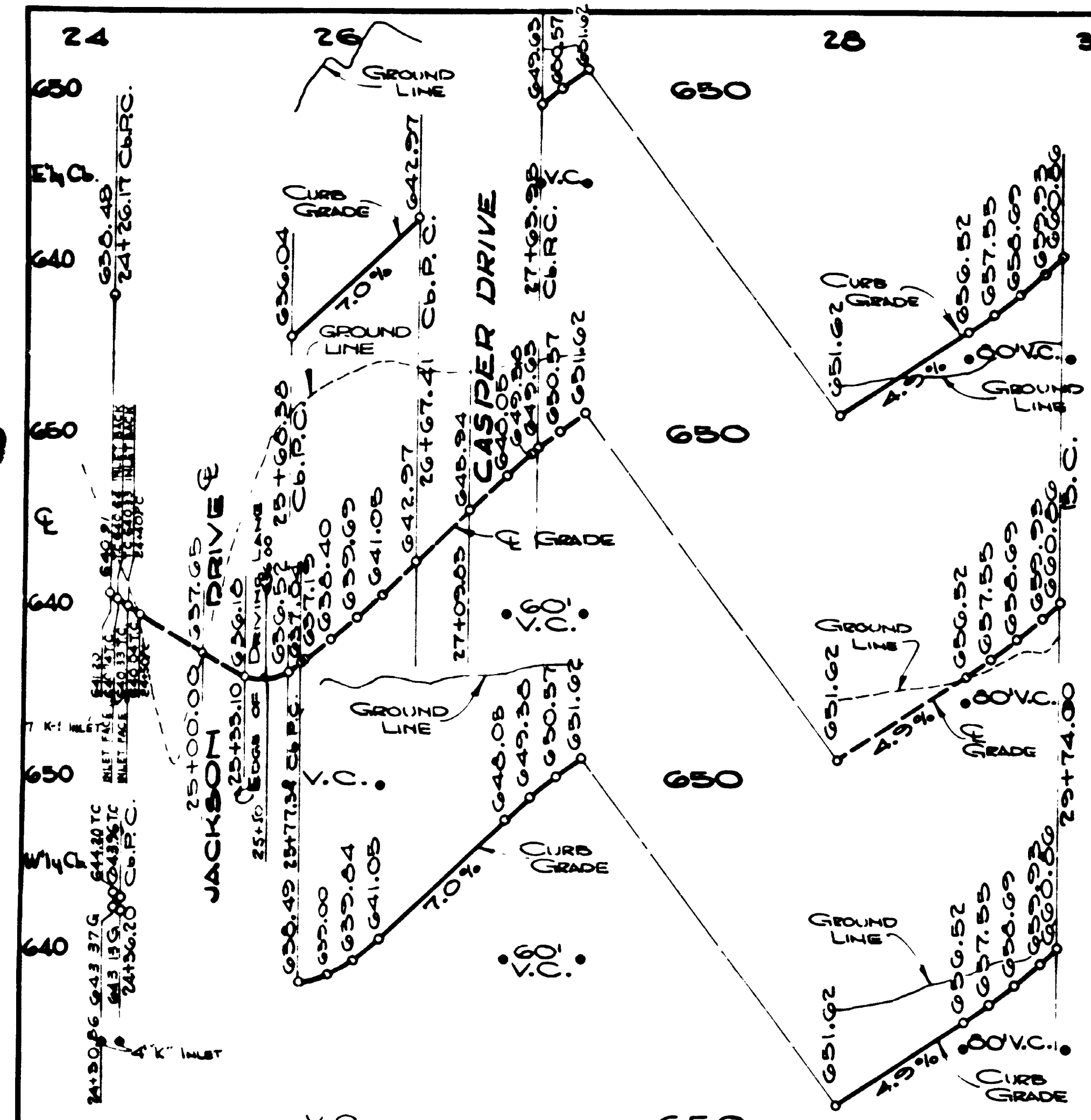
AS BUILT A-5039



B.M. CHISELED "D" ON WEST CURB OF TRIM LAKE DR. @ SW CORN. OF LAKE COUNTRY UNIT NO 1 MAP NO 4315 ELEV. 629.90 (CITY DATUM)

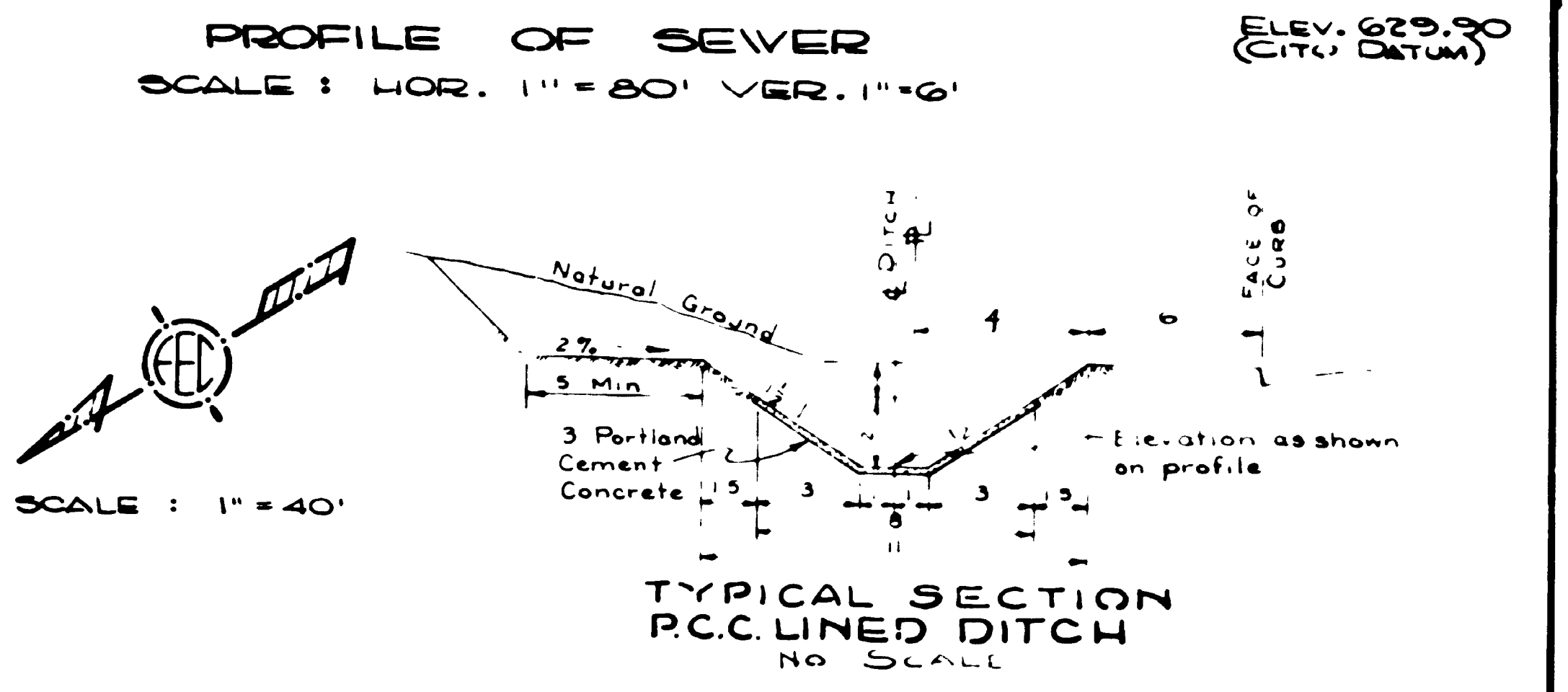
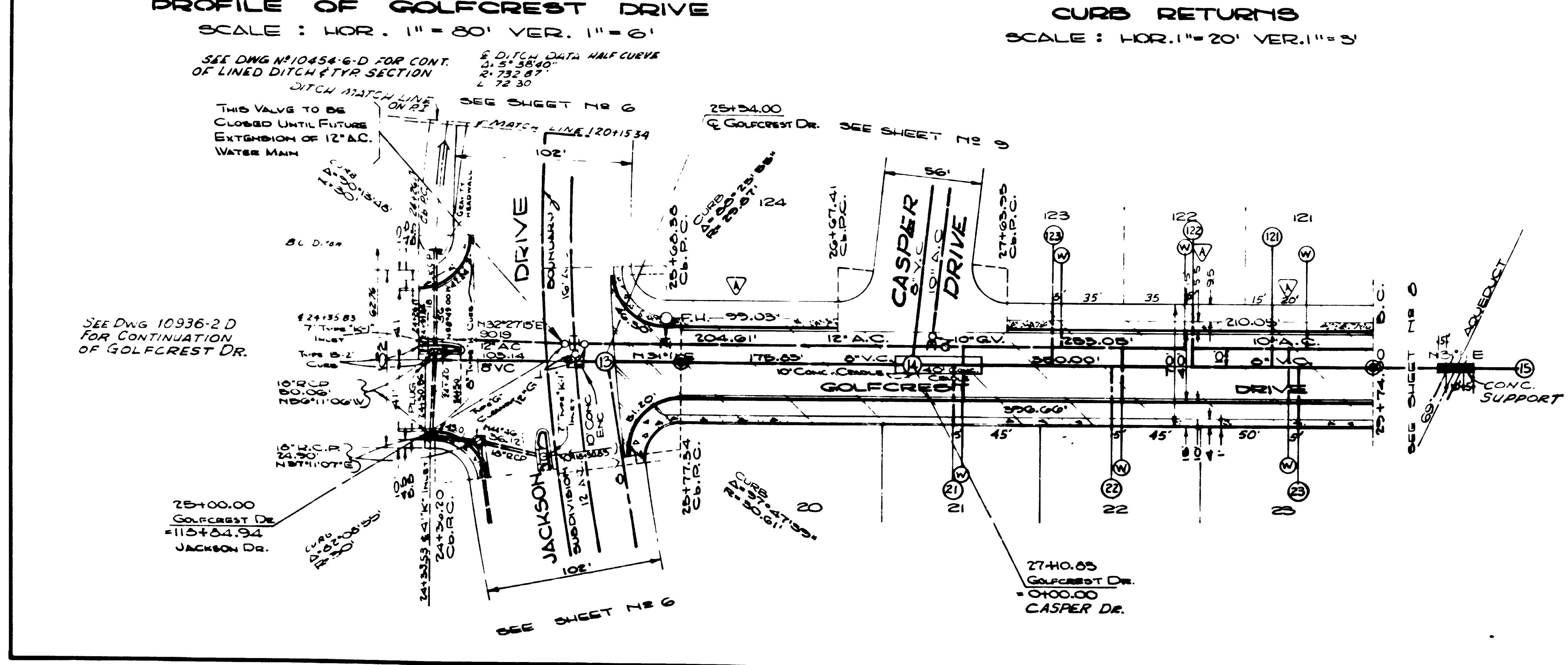
PRIVATE CONTRACT FIDELAND, EVENSEN & CHRISTENSEN
 ENGINEER OF DESIGN *Bill K. Buntle* R.C.E. 001

CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 6 OF 10 SHEETS		NO. 76546
PLAN REVISION	BY	DATE	APPROVAL	
AS BUILT	ER	1/16/66		
AS BUILT	ER	1/16/66		
CONSTRUCTION NOTES		APPROVALS FOR		
JUNE 1966		DESIGNED	CHECKED	DATE
SUNSET INTERNATIONAL		ENGINEER	ENGINEER	
FIELD BOOK		DATE	DATE	



PROFILE OF STORM DRAIN
SCALE: HOR. 1" = 80' VER. 1" = 6'

D.M.
CHISELED "D" ON WEST CURB OF TWIN LAKE DR. @ S.W. CORN. OF LAKE COUNTRY UNIT NR 1 MAP NR 4515
ELEV. 629.90 (CITY DATUM)



PRIVATE CONTRACT FREEBLAND • EVERSON • CHRISTENSEN
ENGINEER OF DESIGN *Will K. Bramble* R.C.B. 0102

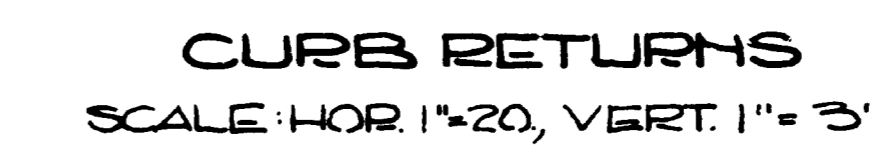
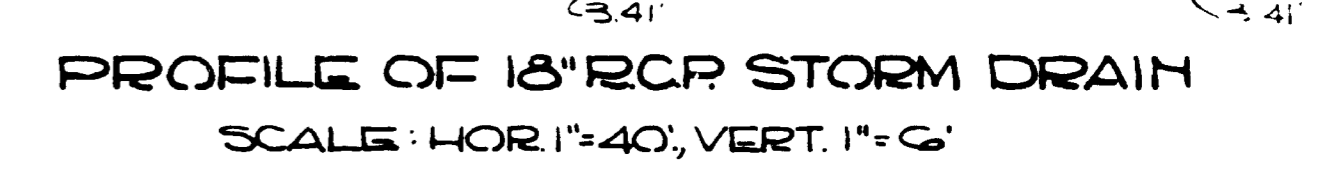
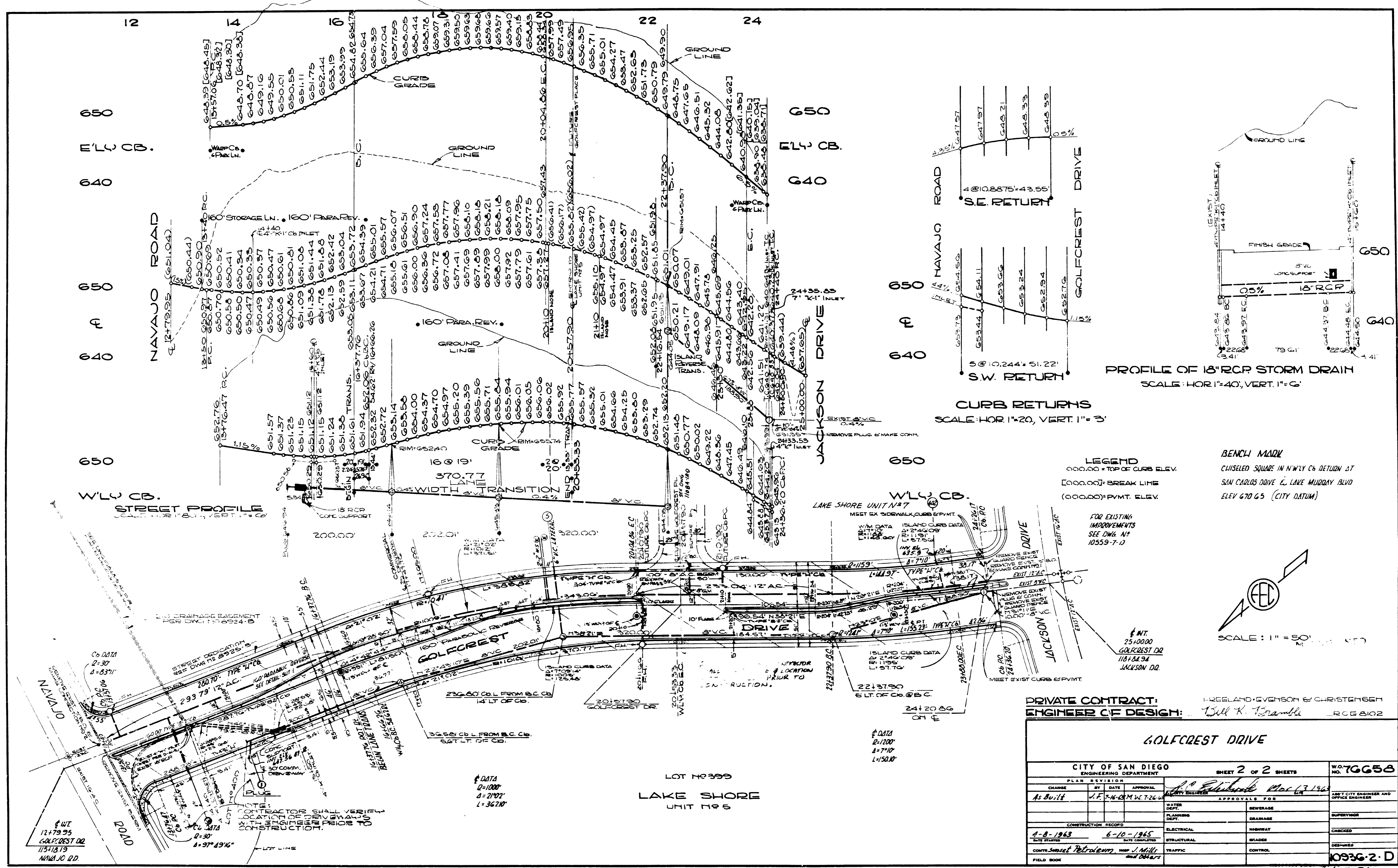
LAKE SHORE UNIT NO 1 GOLFCREST DRIVE

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT SHEET 7 of 20 SHEETS WA NO. 76546

CHANGE	BY	DATE	APPROVAL	APPROVALS FOR
AS BUILT	SEA	12/14/66	<i>SEA</i>	APPROVALS FOR
As Built	SEA	6/21/67	<i>SEA</i>	APPROVALS FOR
JUNE 1962	SEA	26/1966	<i>SEA</i>	APPROVALS FOR
SUNSET INTERNATIONAL	SEA	11/1/66	<i>SEA</i>	APPROVALS FOR
FIELD BOOK	SEA	11/1/66	<i>SEA</i>	APPROVALS FOR

10559-7-AD

MICROFILMED MICROFILMED **AS BUILT** A-5082
JAN 27 1967 JAN 16 1967



LEGEND
 000.00 = TOP OF CURB ELEV.
 [000.00] = BREAK LINE
 (000.00) = PYMT. ELEV.

BENCH MARK
 CHISELED SQUARE IN N.W. LY. C&S RETURN AT
 SAN CARLOS DRIVE & LAKE MURRAY BLVD
 ELEV 670.65 (CITY DATUM)

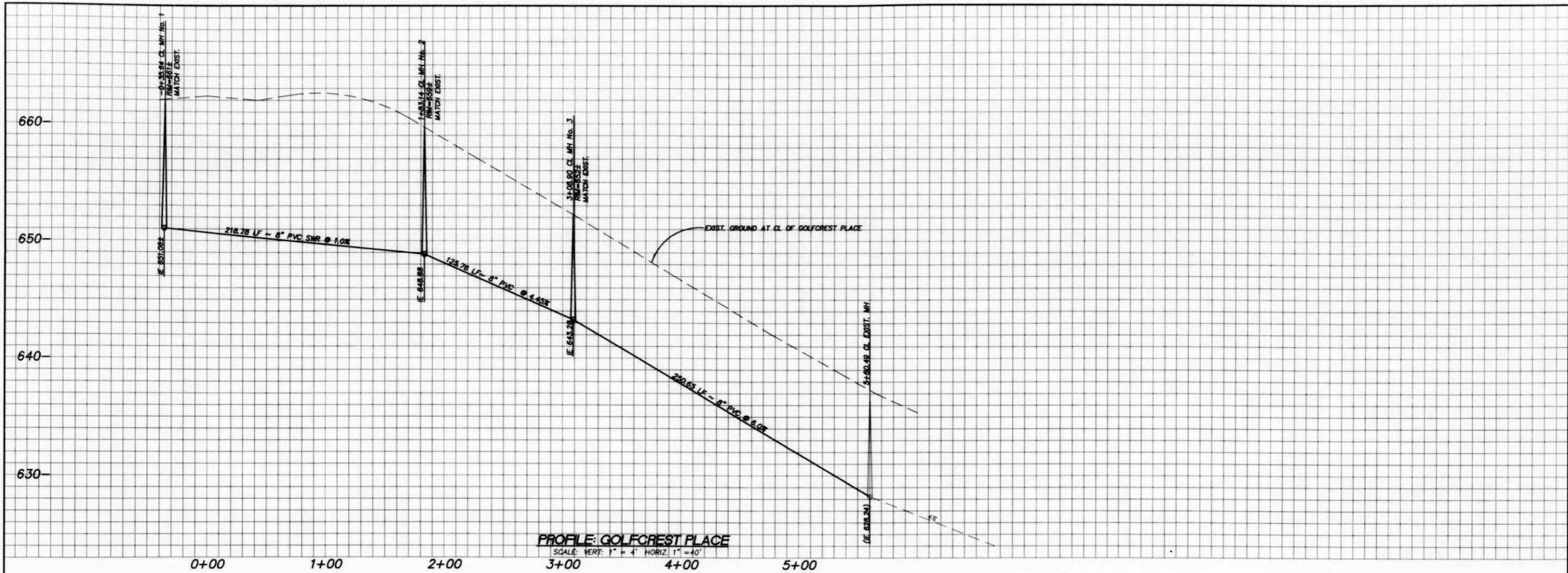
FOR EXISTING
 IMPROVEMENTS
 SEE DWG. NO.
 10559-7-17

ENT.
 25+00.00
 GOLFCREST DR
 1181.84.94
 JACKSON DR.

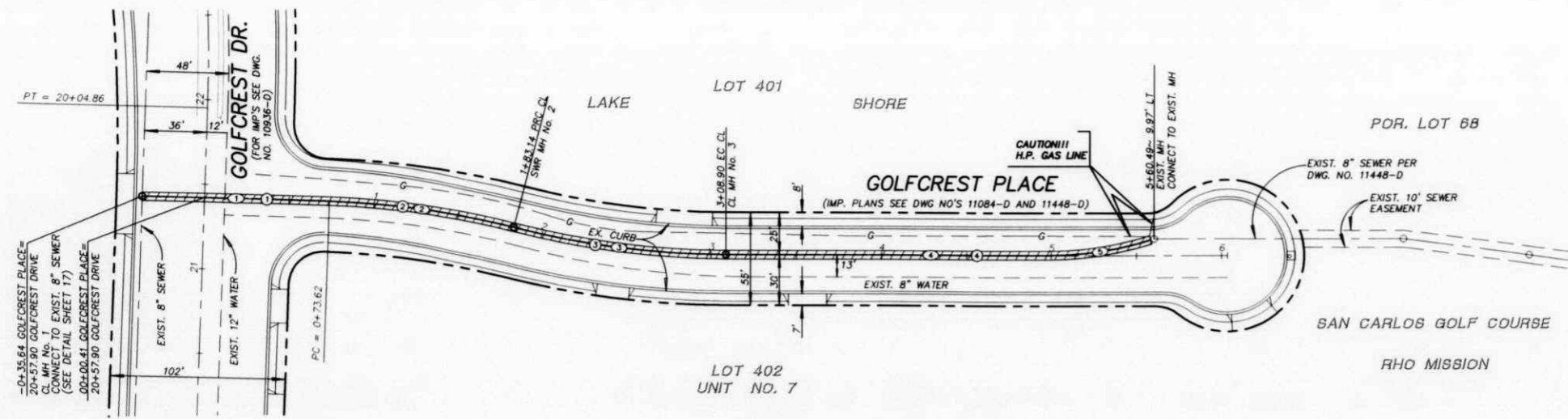
PRIVATE CONTRACT: HIGLELAND-EVENSEN & CHRISTENSEN
 ENGINEER OF DESIGN: Bill K. Bramble LRCB 8102

CITY OF SAN DIEGO ENGINEERING DEPARTMENT			SHEET 2 OF 2 SHEETS		NO. 76658
CHANGE	BY	DATE	APPROVAL	APPROVALS FOR	ASST. CITY ENGINEER AND OFFICE ENGINEER
As Built	J.F.	7-16-68	MAC 13150	WATER DEPT.	
				PLANNING DEPT.	
				SEWERAGE DEPT.	
				HIGHWAY DEPT.	
				TRAFFIC DEPT.	
				CONSTRUCTION RECORD	
				ELECTRICAL	CHECKED
				STRUCTURAL	CHECKED
				TRAFFIC	CHECKED
				FIELD BOOK	

AS BUILT



PROFILE: GOLFCREST PLACE
SCALE: VERT: 1" = 4' HORIZ: 1" = 40'



PLAN: GOLFCREST PLACE
SCALE: 1" = 40'

SEWER DATA		
NO.	DELTA OR BRG. RADIUS/LENGTH	REMARKS
1	NS1°39'00"W	109.26 8" PVC
2	12°33'00"W	500.00 109.52
3	14°24'40"W	500.00 125.76
4	NS3°30'40"W	189.25
5	17°35'27"	200.00 61.40

CENTER LINE DATA		
NO.	DELTA OR BRG. RADIUS/LENGTH	REMARKS
1	NS1°39'00"W	73.21
2	12°33'00"W	500.00 109.52
3	14°24'40"W	500.00 125.76
4	NS3°30'40"W	294.53

PRIVATE CONTRACT
IMPROVEMENT PLANS FOR:
GOLFCREST DRIVE
ARCHSTONE-MISSION TRAILS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 5 OF 25 SHEETS
W.D. NO. 991116

DATE: 8/21/00
FOR CITY ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	PDC		08/14/00	1872-6315
AS-BUILT	PDC	P. E. T.	7/11/01	NAD 83 232-1755
			4-01-03	LAMBERT COORDINATES

CONTRACTOR: [Signature] DATE STARTED: [Blank] DATE COMPLETED: [Blank]
INSPECTOR: [Blank]

30376-5-D

Job No. 1411.00

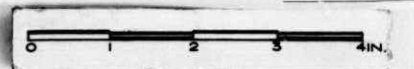


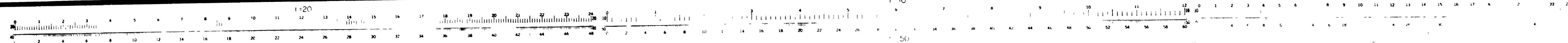
Project Design Consultants
PLANNING ENGINEERING SURVEYING
701 "B" Street, Suite 800, San Diego, Ca. 92101
619-235-6471 FAX 234-0349

GREGORY M. SHIELDS R.C.E. 42951	DATE: 6-23-00	DESIGNED BY:	DRAWN BY:	CHECKED BY:
---------------------------------	---------------	--------------	-----------	-------------

AS BUILT

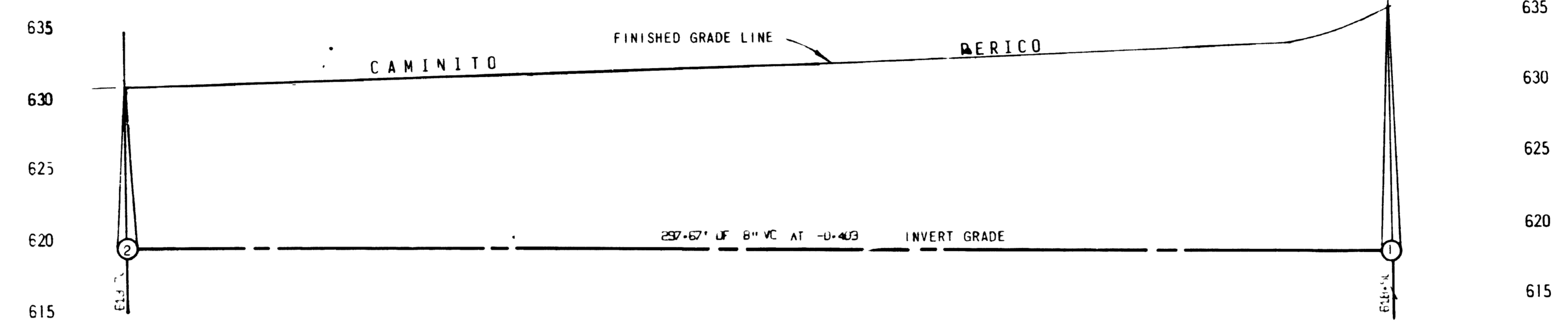
FILMED FROM THE ORIGINAL. BEST QUALITY OBTAINABLE. EXCESSIVE GRAY BACKGROUND MAY CAUSE A POOR QUALITY REPRODUCTION.





CAMINITO PERICO - SHEET 5

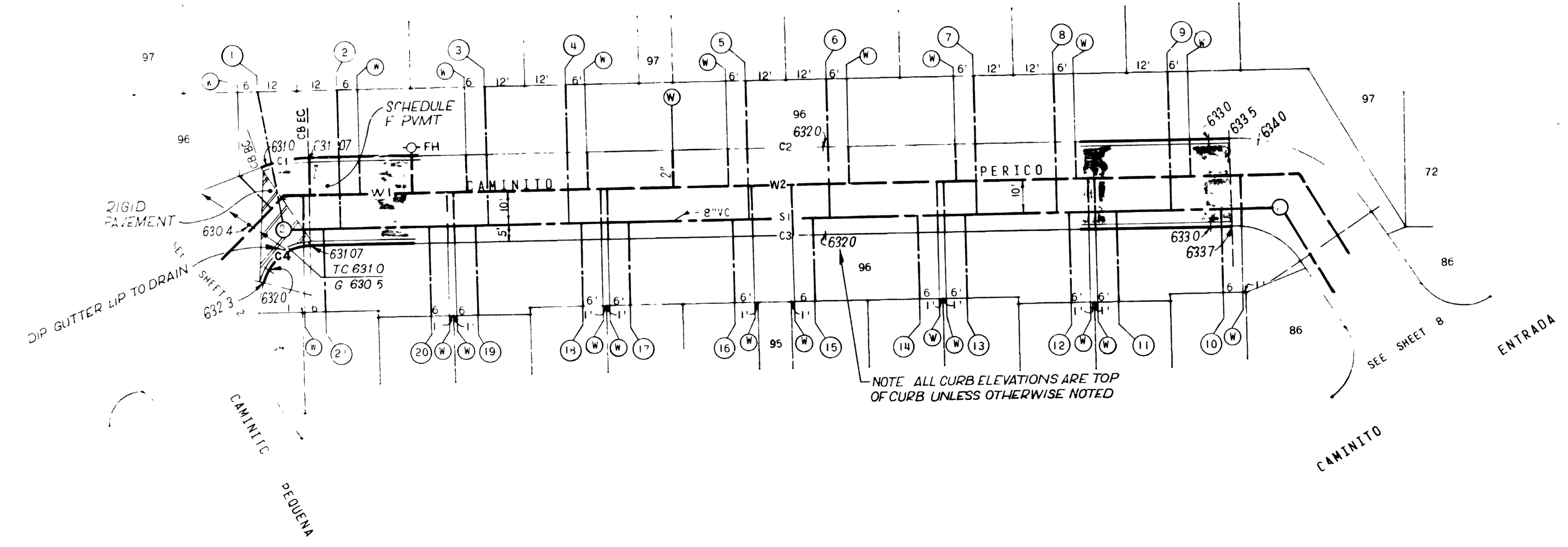
COURSE	ITEM	RADIUS	DELTA	LENGTH	
C 1	TYPE G CURB	41.00	20'-0" 3	275+36	
C 2			514'-24"-20W	275+36	
C 3			514'-24"-20W	19.50	
C 4	TYPE G CURB	15.00		584.53	
W 1	6 IN. AC		514'-24"-20W	39.00	
W 2	6 IN. AC		514'-24"-20W	264.30	
				TOTAL	303.30
S 1	8 IN. VC		514'-24"-20W	297.67	
S 2	8 IN. VC			TOTAL	297.67



PROFILE OF SEWER MAIN IN CAMINITO PERICO

SCALE
HORIZ 1"=20'
VERT 1"=6'

BENCH MARK
S E P. MALIBU ROAD AT
ELEV. 636.475 S.L. ATU

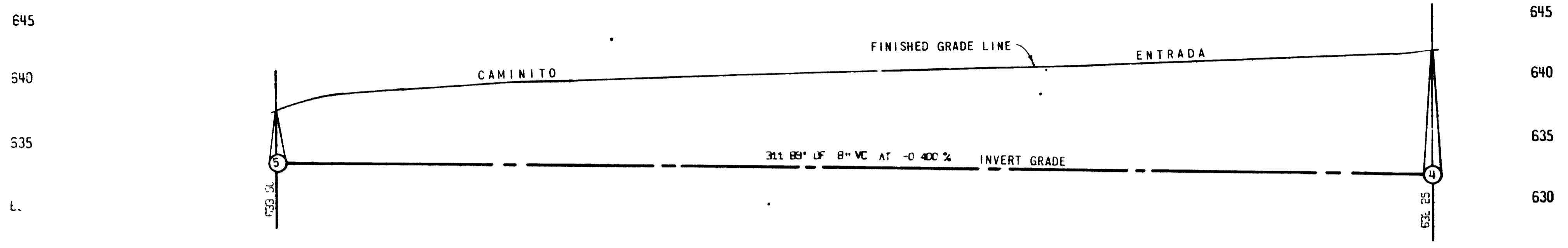


SCALE 1"=20'

P.R.D. NO. 19
PRIVATE CONTRACT
ENGINEER OF DESIGN

CAMINITO PERICO		GOLFVIEW ESTATES	
CITY OF SAN DIEGO, CALIFORNIA		NO. 7141	
ENGINEERING DEPARTMENT		NO. 70062	
SHEET 5 OF 11 SHEETS			
DESCRIPTION	BY	APPROVED, DATE	FILED
ORIGINAL CSA	AS BUILT	9-17-71	
CONTRACTOR HAZARD		DATE STARTED 6/72	LABORATORY COORDINATOR
INSPECTOR BROSILL, HENDRICK		DATE COMPLETED 2/22/73	14828 5 -D

AS BUILT

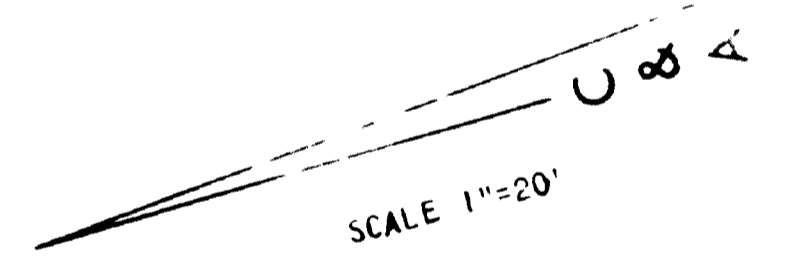


CAMINITO ENTRADA - SHEET 6

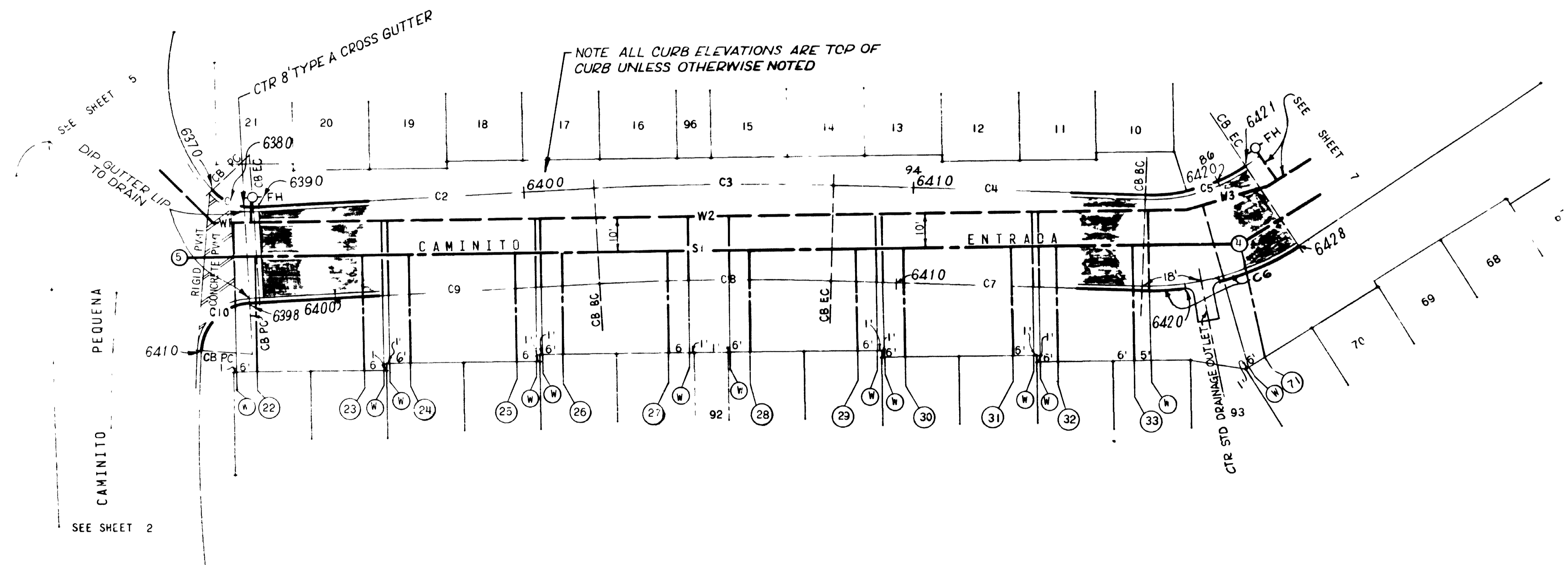
COURSE	ITEM	RADIUS	DELTA OR BEARING	LENGTH
C 1	TYPE C CURB	15+00	S1-16-59	13+43
C 2			S12-2-43W	100+87
C 3		826+00	4-53-5	70+59
C 4			S16-55-46W	9+53
C 5		50+00	S5-33-48	3+03
C 6		78+00	S5-33-48	48+41
C 7		800+00	N16-55-48E	91+35
C 8			4-53-5	66+20
C 9			N17-2-43E	103+68
C 10		15+00	S3-33-24	2+88
TOTAL				640+74
TYPE G CURB				
W 1	8 IN. AC		S14-24-2' W	11+90
W 2			S14-24-2' W	275+09
W 3			S1-2-22E	24+26
TOTAL				310+67
TYPE G CURB				
S 1	8 IN. VC		S14-24-2' W	31+69
TOTAL				31+69

PROFILE OF SEWER MAIN IN CAMINITO ENTRADA
 SCALE
 HORIZ 1"=20'
 VERT 1"=6'

BENCH MARK
 S B P NAVAJO ROAD AT
 JACKSON DRIVE
 ELEV 686.475 M S L DATUM



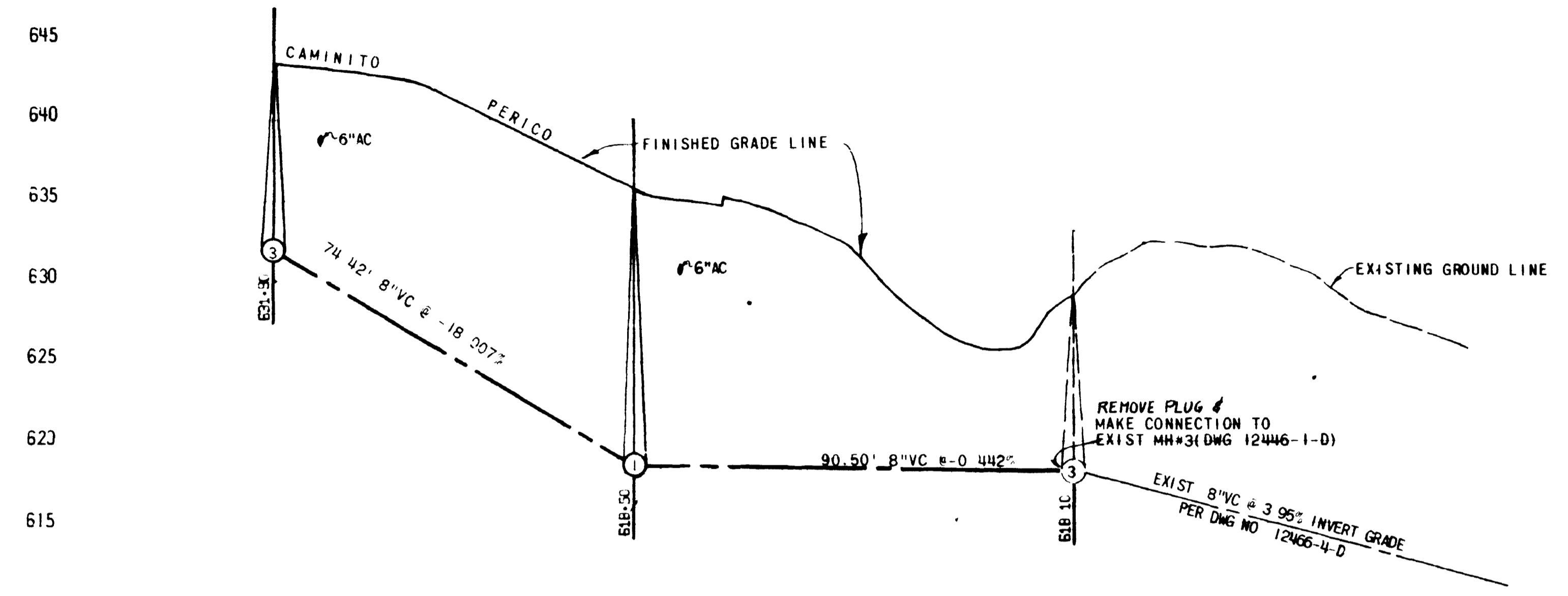
P.R.D. NO.19
 PRIVATE CONTRACT
 ENGINEER OF DESIGN
 CHARLES W. CHRISTENSEN
 222 S. BROADWAY
 BOSTON, MASSACHUSETTS



CAMINITO ENTRADA	
GOLFVIEW ESTATES	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 6 OF 11 SHEETS	NO. 7141 NO. 70062
DESIGNED BY F. J. J. J.	DATE 9-27-71
DESCRIPTION ORIGINAL C&A AS BUILT	BY M. J. J.
APPROVED DATE 7/7/71	FILED DATE 7/7/71
CONTRACTOR RILEY	DATE STARTED 6/77
INSPECTOR T. H. J.	DATE COMPLETED 2/22/73
	230 1757
	14828 6 -D

AS BUILT

A-5651



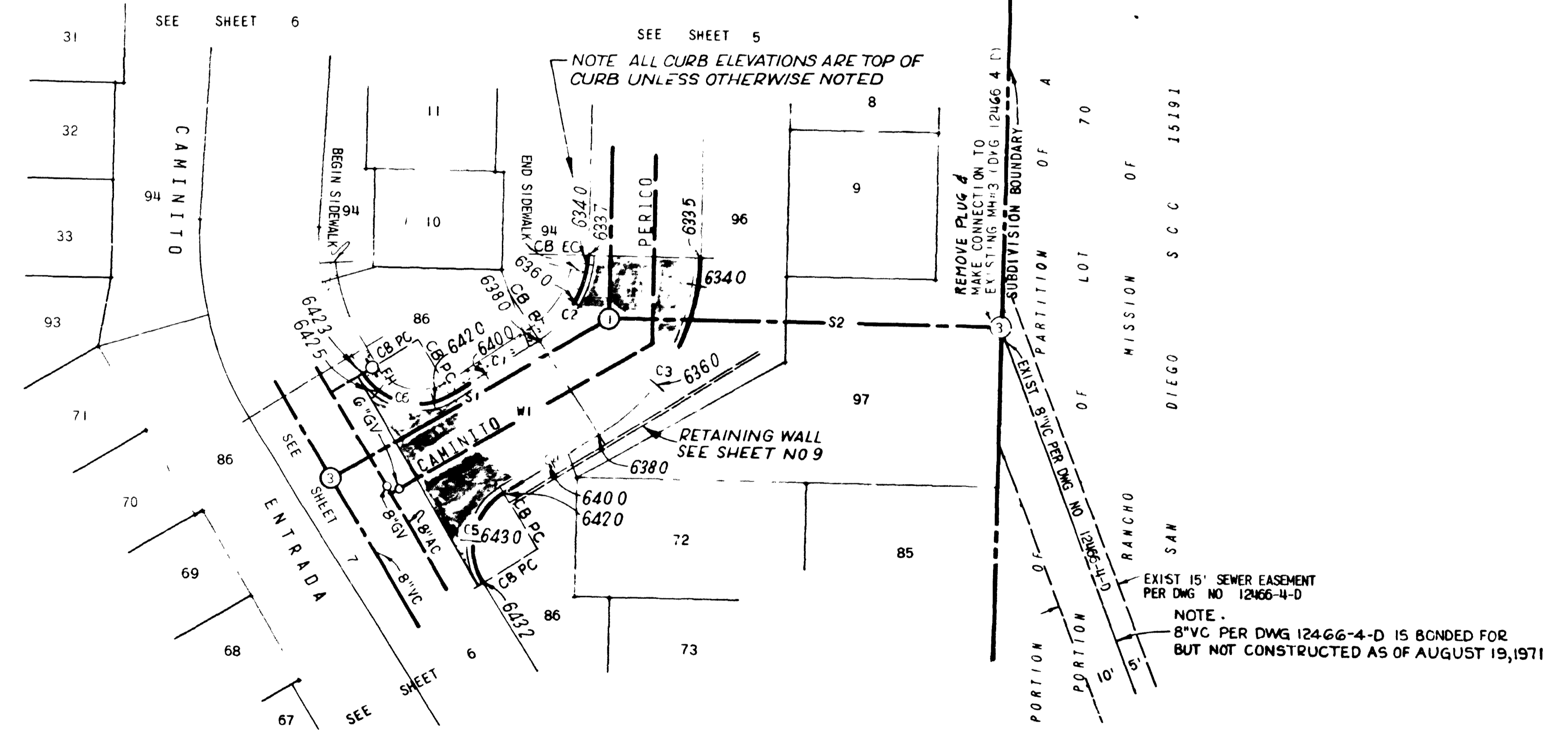
CAMINITO PERICO - SHEET 8

COURSE	ITEM	RADIUS	DELTA	LENGTH
C 1	TYPE G CURB		71°-52'-4E	23+97
C 2		24+00	76°-57'-40	23+86
C 3		50+00	56°-57'-40	49+71
C 4		15+00	57°-22'-0W	25+97
C 5		15+00	70°-4'-0	23+56
C 6		15+00	90°-0'-0	23+56
TOTAL				170+63
W 1	6 IN. AC		73°-8'-54E	70+04
TOTAL				70+04
S 1	8 IN. VC		73°-8'-54E	74+42
S 2			57°-55'-40E	90+50
TOTAL				164+92

PROFILE OF SEWER MAIN IN CAMINITO PERICO

SCALE HORIZ 1"=20'
VERT 1"=6'

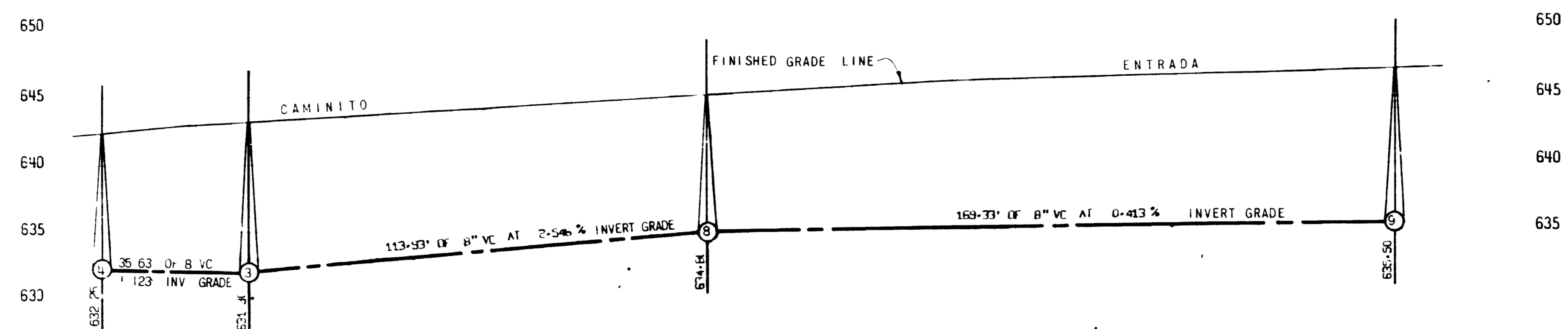
BENCH MARK
S B P NAVAJU ROAD AT
JACKSON DRIVE
ELEV 686.475 4 S L DATUM



P.R.D. NO.19
PRIVATE CONTRACT
ENGINEER OF DESIGN
CHARLES W. JENSEN
CITY ENGINEER

CAMINITO PERICO	
GOLFVIEW ESTATES	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 8 OF 11 SHEETS	IN. NO. 7141 NO. 70062
DATE: 9-27-21	DIVISION HEAD
DESCRIPTION	BY
ORIGINAL C&A	M B
AS BUILT	DATE: 11/11/21
230 1757	LABORER COMMISSION
CONTRACTOR HAZARD INSPECTOR BROSSELL, HERMOSILLO	DATE STARTED 8/12 DATE COMPLETED 2/22/23
14828 8 -D	A 5651

AS BUILT



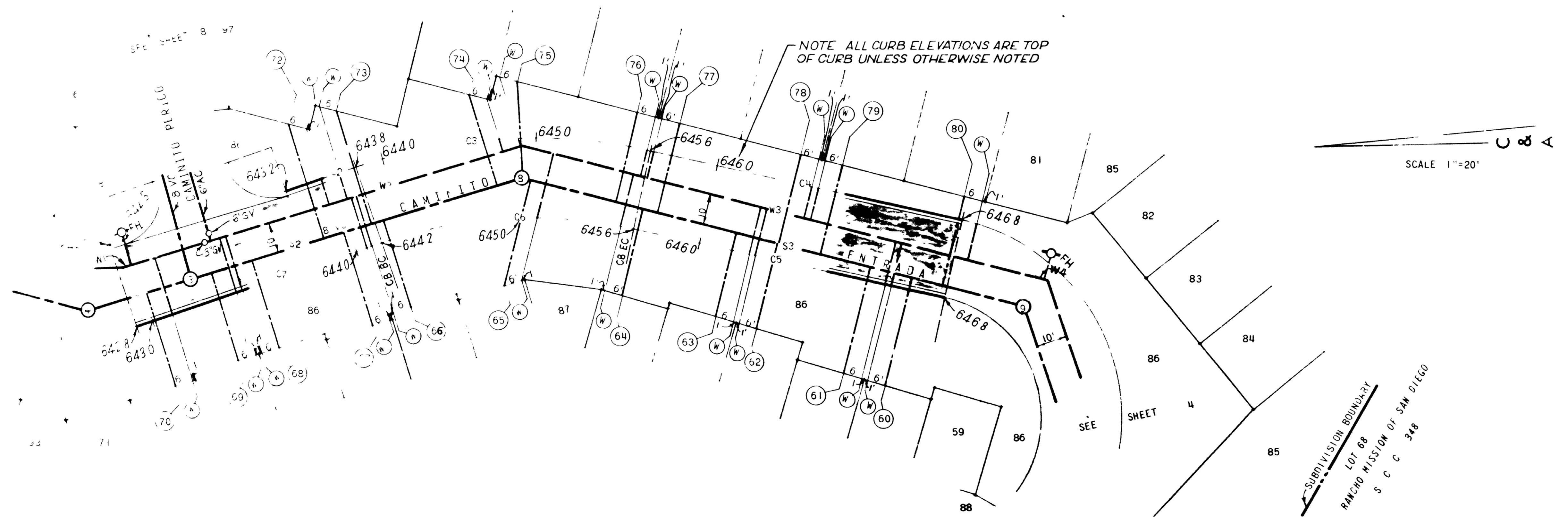
CAMINITO ENTRADA - SHEET 7

COURSE	ITEM	RADIUS	DELTA OR BEARING	LENGTH
C 1	TYPE G CURB		S16-37-59E	44.97
C 2			S10-30-0E	24.43
C 3		180.00	S-7-47	97.80
C 4			S12-29-47W	10.00
C 5			N42-25-47E	10.00
C 6		154.00	S-7-47	10.67
C 7			N10-10-0W	10.00
TOTAL				308.87

A 1	8 IN. AC		S10-37-0E	3.00
A 2			S10-37-0E	134.05
A 3			S14-24-20W	73.50
A 4			S14-24-20W	4.00
TOTAL				214.55

S 1	8 IN. VC		S10-37-0E	30.00
S 2			S10-37-0E	11.25
S 3			S14-24-20W	10.00
TOTAL				51.25

PROFILE OF SEWER MAIN IN CAMINITO ENTRADA
 SCALE
 HORIZ 1"=20'
 VERT 1"=6'
 BENCH MARK
 S B NAVAJO ROAD AT
 JALASCO DRIVE
 ELEV 686.475 M S L DATUM



P.R.D NO.19
 PRIVATE CONTRACT
 ENGINEER OF DE
 CHARLES S
 8

CAMINITO ENTRADA		GOLFVIEW STATES	
CITY OF SAN DIEGO, CALIFORNIA		NO 7141	
ENGINEERING DEPARTMENT		WO NO 70062	
SHEET 7 OF 17 SHEETS			
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL C&A	W B		9-27-71
AS BUILT	W B		3-30-73
DESIGN ENGINEER		DATE	
		9-24-71	
CONTROL CERTIFICATION			
		230 1757	
CONTRACTOR: HAZARD		DATE STARTED: 8/72	
INSPECTOR: FROSTELL		DATE COMPLETED: 2/22/73	
		14823 7 -D	

AS BUILT

APPENDIX I

SEWER MANHOLES, MAINS AND LATERALS SAMPLE DATA TEMPLATES

APPENDIX J
SAMPLE OF PUBLIC NOTICES



CONSTRUCTION NOTICE

PROJECT TITLE

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

The work will consist of:

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

How your neighborhood may be impacted:

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

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



CONSTRUCTION NOTICE

PROJECT TITLE

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

The work will consist of:

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

How your neighborhood may be impacted:

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

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX

APPENDIX K

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



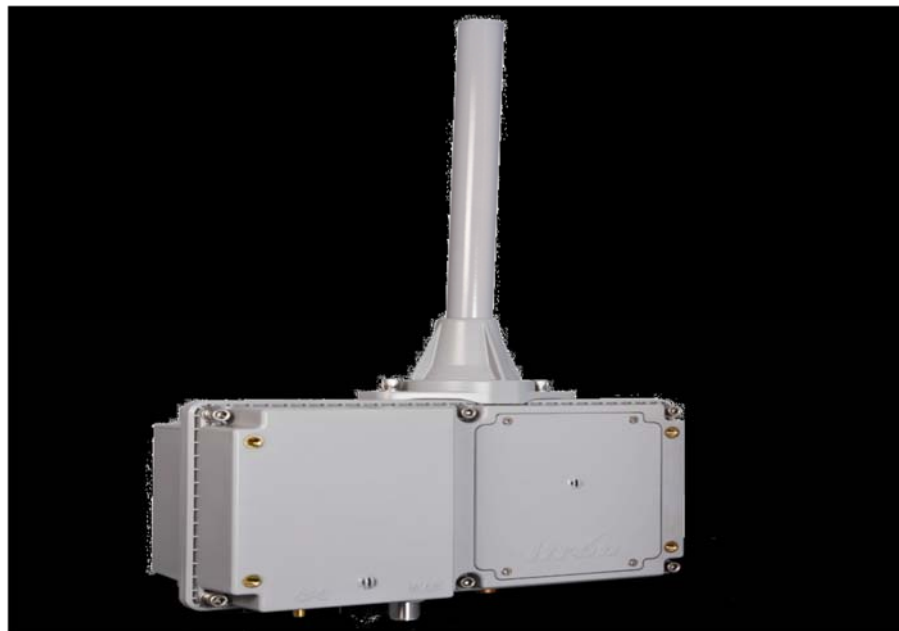
- B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:

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

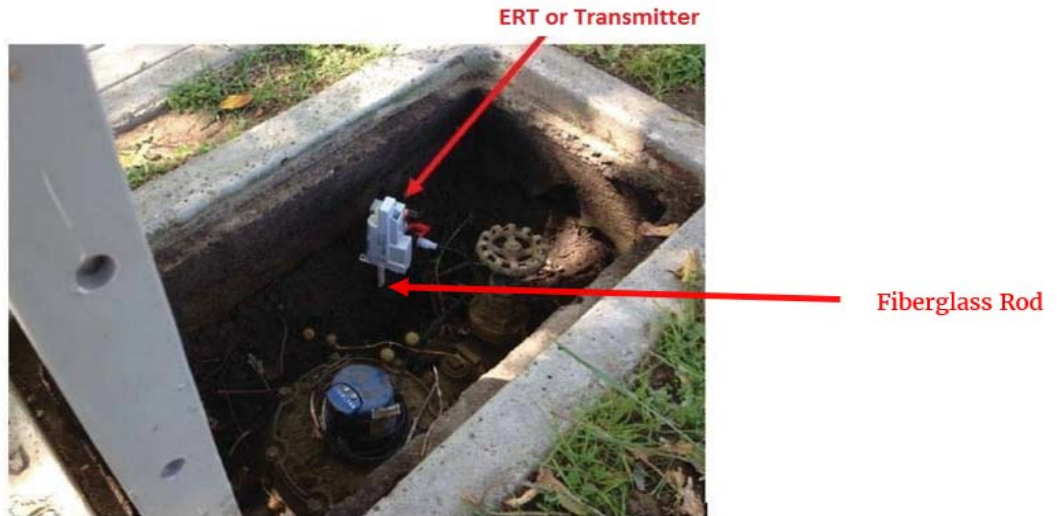


Photo 6 below is an example of disturbance that shall be avoided:

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 L
SEWER MAIN SPREADSHEETS

Pipeline Rehabilitation AW-1 (B-18120) - SEWER PIPELINE SPREADSHEET

MAP SHEET NUMBER	STREET NAME	MAIN FSN	LENGTH (feet)	SIZE (inches)	MATERIAL	US MH ID	US MH IE	US MH DEPTH	DS MH ID	DS MH IE	DS MH DEPTH	LATERALS	ACTION	COMMUNITY	FIELD BOOK
1	BELLE HAVEN DR	57345	180	8	VC	171	624.84	7	292	624.12	7	6	REHAB	NAVAJO	L15S
1	WANDERMERE DR	57002	173	8	VC	221	0	0	294	606.76	6	2	REHAB	NAVAJO	L14S
1	WANDERMERE DR	57003	173	8	VC	222	0	0	221	0	0	0	REHAB	NAVAJO	L14S
1	WANDERMERE DR	57005	200	8	VC	223	616.19	6	222	0	0	1	REHAB	NAVAJO	L14S
1	LOCHMOOR DR	57337	269	8	VC	277	611.24	6	285	605.86	6	6	REHAB	NAVAJO	L15S
1	LOCHMOOR DR	57338	200	8	VC	279	613.24	6	277	611.24	6	8	REHAB	NAVAJO	L15S
1	MIRA VISTA LN	57340	150	8	VC	283	619.02	7	284	615.27	7	5	REHAB	NAVAJO	L15S
1	MIRA VISTA LN	57341	220	8	VC	284	615.27	7	286	609.77	7	3	REHAB	NAVAJO	L15S
1	LOCHMOOR DR	57336	129	8	VC	285	605.86	6	257	601.36	5	1	REHAB	NAVAJO	L15S
1	BELLE HAVEN DR	57342	261	8	VC	286	609.77	7	285	605.86	6	2	REHAB	NAVAJO	L15S
1	BELLE HAVEN DR	57343	182	8	VC	287	615.59	7	286	609.77	7	4	REHAB	NAVAJO	L15S
1	BELLE HAVEN DR	57344	185	8	VC	292	624.12	7	287	615.59	7	4	REHAB	NAVAJO	L15S
1	WANDERMERE DR	57348	203	8	VC	294	606.76	6	295	600.67	10	1	REHAB	NAVAJO	L15S
2	CASSELBERRY WY	57325	297	8	VC	259	575.16	8	260	568.91	8	6	REHAB	NAVAJO	L15S
2	MURRAY PARK DR	57324	55	8	VC	262	570.56	6	260	568.91	8	2	REHAB	NAVAJO	L15S
2	CASSELBERRY WY	57326	328	8	VC	267	588.28	6	259	575.16	8	10	REHAB	NAVAJO	L15S
2	CASSELBERRY WY	57330	332	8	VC	268	601.54	6	267	588.28	6	10	REHAB	NAVAJO	L15S
2	CASSELBERRY WY	57331	333	8	VC	269	614.87	6	268	601.54	6	10	REHAB	NAVAJO	L15S
2	CASSELBERRY WY	57332	170	8	VC	271	618.78	6	269	614.87	6	7	REHAB	NAVAJO	L15S
2	PARK RIDGE BL	57333	195	8	VC	273	617.32	7	274	611.47	7	5	REHAB	NAVAJO	L15S
2	PARK RIDGE BL	57334	350	8	VC	274	611.47	7	275	596.47	9	6	REHAB	NAVAJO	L15S
2	PARK RIDGE BL	57335	350	8	VC	275	596.47	9	276	583.87	8	8	REHAB	NAVAJO	L15S
2	PARK RIDGE BL	57321	340	8	VC	276	583.87	8	258	570.27	11	7	REHAB	NAVAJO	L15S
3	HYDE PARK DR	62681	273	8	VC	178	641.51	8	237	614.24	10	2	REHAB	NAVAJO	M14S
3	CASSELBERRY WY	62682	175	8	VC	179	645.89	6	178	641.51	8	4	REHAB	NAVAJO	M14S
3	CASSELBERRY WY	62685	200	8	VC	183	645.48	7	184	643.48	7	7	REHAB	NAVAJO	M14S
3	CASSELBERRY WY	62686	265	8	VC	184	643.48	7	232	640.83	7	7	REHAB	NAVAJO	M14S
3	WANDERMERE DR	57010	295	8	VC	224	617.07	9	229	617.07	11	3	REHAB	NAVAJO	L14S
3	PARK RIDGE BL	57007	200	8	VC	226	627.07	8	225	624.07	8	8	REHAB	NAVAJO	L14S
3	PARK RIDGE BL	57006	200	8	VC	227	626.91	8	228	624.91	10	7	REHAB	NAVAJO	L14S
3	PARK RIDGE BL	57011	350	8	VC	228	624.91	10	238	615.81	11	10	REHAB	NAVAJO	L14S
3	WANDERMERE DR	62687	183	8	VC	229	617.07	11	190	607.01	11	2	REHAB	NAVAJO	M14S
3	CASSELBERRY WY	62723	260	8	VC	230	622.91	10	229	617.07	11	4	REHAB	NAVAJO	M14S
3	CASSELBERRY WY	62724	265	8	VC	231	630.86	10	230	622.91	10	8	REHAB	NAVAJO	M14S
3	CASSELBERRY WY	62725	265	8	VC	232	640.83	7	231	630.86	10	7	REHAB	NAVAJO	M14S
3	HYDE PARK DR	57013	80	8	VC	237	614.24	10	239	611.04	9	0	REHAB	NAVAJO	L14S
3	PARK RIDGE BL	57012	239	8	VC	238	615.81	11	239	611.04	9	5	REHAB	NAVAJO	L14S
3	PARK RIDGE BL	57008	350	8	VC	225	624.07	8	224	617.07	9	8	REHAB W/ POINT REPAIR	NAVAJO	L14S
4	BONNIE VIEW DR	62758	140	8	VC	1	603.03	7	2	601.98	7	5	REHAB	NAVAJO	M15S
4	BONNIE VIEW DR	62759	346	8	VC	2	601.98	7	3	599.39	8	12	REHAB	NAVAJO	M15S
4	BONNIE VIEW DR	62760	295	8	VC	3	599.39	8	4	591.72	8	8	REHAB	NAVAJO	M15S
4	BONNIE VIEW DR	62761	334	8	VC	4	591.72	8	266	575.58	7	10	REHAB	NAVAJO	M15S
4	BELLE GLADE AV	62762	290	8	VC	5	570.86	7	34	568.89	7	9	REHAB	NAVAJO	M15S

Pipeline Rehabilitation AW-1 (B-18120) - SEWER PIPELINE SPREADSHEET

MAP SHEET NUMBER	STREET NAME	MAIN FSN	LENGTH (feet)	SIZE (inches)	MATERIAL	US MH ID	US MH IE	US MH DEPTH	DS MH ID	DS MH IE	DS MH DEPTH	LATERALS	ACTION	COMMUNITY	FIELD BOOK
4	BELLE GLADE AV	62763	125	8	VC	6	570.68	7	5	568.89	7	5	REHAB	NAVAJO	M15S
4	ROCK MANOR DR	62894	266	8	VC	7	574.08	11	20	569.55	9	0	REHAB	NAVAJO	M15S
4	BELLE GLADE AV	62764	177	8	VC	8	575.85	12	7	574.08	11	5	REHAB	NAVAJO	M15S
4	BELLE GLADE LN	62767	270	8	VC	10	592.11	8	9	582.64	9	7	REHAB	NAVAJO	M15S
4	ELMCREST DR	62775	172	8	VC	19	583.31	7	20	569.55	9	5	REHAB	NAVAJO	M15S
4	MURRAY PARK DR	62791	238	8	VC	33	564.42	7	32	555.38	11	0	REHAB	NAVAJO	M15S
4	BELLE GLADE AV	62792	123	8	VC	34	570.86	7	140	567.68	8	2	REHAB	NAVAJO	M15S
4	MURRAY PARK DR	62795	285	8	VC	35	565.56	13	33	564.42	7	2	REHAB	NAVAJO	M15S
4	MURRAY PARK CT	62793	129	8	VC	37	574.57	8	35	565.56	13	6	REHAB	NAVAJO	M15S
4	BELLE GLADE AV	62895	125	8	VC	140	567.68	8	33	564.42	7	3	REHAB	NAVAJO	M15S
4	BELLE GLADE AV	62766	276	8	VC	193	589.14	9	9	582.64	9	2	REHAB	NAVAJO	M14S
4	MURRAY PARK DR	57329	130	8	VC	263	567.45	7	264	566.93	8	5	REHAB	NAVAJO	L15S
4	MURRAY PARK DR	62794	342	8	VC	264	566.93	8	35	565.56	13	7	REHAB	NAVAJO	L15S
4	BONNIE VIEW DR	57328	187	8	VC	265	569.74	7	264	566.93	8	1	REHAB	NAVAJO	L15S
4	BONNIE VIEW DR	57327	167	8	VC	266	575.58	7	265	569.74	7	5	REHAB	NAVAJO	L15S
4	ELMCREST DR	62790	304	8	VC	21	564.51	7	32	555.38	11	4	REHAB W/ POINT REPAIR	NAVAJO	M15S
5	GLENFLORA AV	62672	343	8	VC	160	646.02	6	170	640.88	7	8	REHAB	NAVAJO	M14S
5	TUCKAWAY ST	62667	300	8	VC	163	639.47	7	164	634.49	6	8	REHAB	NAVAJO	M14S
5	TUCKAWAY ST	62671	191	8	VC	164	634.49	6	166	626.85	5	3	REHAB	NAVAJO	M14S
5	BELLE GLADE AV	62696	323	8	VC	165	619.78	6	195	611.69	6	4	REHAB	NAVAJO	M14S
5	BELLE GLADE AV	62669	283	8	VC	166	626.85	5	165	619.78	6	7	REHAB	NAVAJO	M14S
5	BELLE GLADE AV	62670	101	8	VC	167	629.38	6	166	626.85	5	0	REHAB	NAVAJO	M14S
5	GLENFLORA AV	62674	295	8	VC	169	638.86	7	168	632.96	7	7	REHAB	NAVAJO	M14S
5	GLENFLORA AV	62673	135	8	VC	170	640.88	7	169	638.86	7	2	REHAB	NAVAJO	M14S
5	BELLE GLADE AV	62677	283	8	VC	175	647.11	7	168	632.96	7	2	REHAB	NAVAJO	M14S
5	BONNIE VIEW DR	62683	118	8	VC	180	635.73	7	182	635.26	9	5	REHAB	NAVAJO	M14S
5	BONNIE VIEW DR	62679	118	8	VC	181	635.32	5	168	632.96	7	2	REHAB	NAVAJO	M14S
5	BONNIE VIEW DR	62684	315	8	VC	182	635.26	9	187	630.54	7	7	REHAB	NAVAJO	M14S
5	BONNIE VIEW DR	62691	315	8	VC	187	630.54	7	188	622.66	8	10	REHAB	NAVAJO	M14S
5	BONNIE VIEW DR	62690	315	8	VC	188	622.66	8	189	614.79	8	8	REHAB	NAVAJO	M14S
5	BONNIE VIEW DR	62689	310	8	VC	189	614.79	8	191	602.4	8	8	REHAB	NAVAJO	M14S
5	WANDERMERE DR	62688	132	8	VC	190	607.01	11	191	602.4	8	1	REHAB	NAVAJO	M14S
5	WANDERMERE DR	62692	138	8	VC	191	602.4	8	192	597.58	6	1	REHAB	NAVAJO	M14S
5	WANDERMERE DR	62693	150	8	VC	192	597.58	6	193	589.14	9	1	REHAB	NAVAJO	M14S
5	BELLE GLADE AV	62694	350	8	VC	194	604.19	5	193	589.14	9	5	REHAB	NAVAJO	M14S
5	BELLE GLADE AV	62695	300	8	VC	195	611.69	6	194	604.19	5	6	REHAB	NAVAJO	M14S
5	TEMPLE TR	62668	187	8	VC	196	625.4	7	165	619.78	6	3	REHAB	NAVAJO	M14S
5	TEMPLE TR	62697	250	8	VC	197	630.65	7	196	625.4	7	6	REHAB	NAVAJO	M14S
5	BELLE GLADE AV	62678	143	8	VC	168	632.96	7	167	629.38	6	1	REHAB W/ POINT REPAIR	NAVAJO	M14S
5	WANDERMERE DR	62702	330	8	VC	201	597.39	9	193	589.14	9	6	REHAB W/ POINT REPAIR	NAVAJO	M14S
6	NAVAJO RD	62518	235	8	VC	16	677	8	17	675.12	6	2	REHAB	NAVAJO	M14S
6		62520	256	8	VC	18	677.78	7	21	673.76	16	0	REHAB	NAVAJO	M14S
6	HYDE PARK DR	62675	188	8	VC	173	660.82	9	174	652.17	9	3	REHAB	NAVAJO	M14S
6	HYDE PARK DR	62676	230	8	VC	174	652.17	9	175	647.11	7	3	REHAB	NAVAJO	M14S
6	HYDE PARK DR	62680	171	8	VC	176	649.6	6	175	647.11	7	6	REHAB	NAVAJO	M14S

Pipeline Rehabilitation AW-1 (B-18120) - SEWER PIPELINE SPREADSHEET

MAP SHEET NUMBER	STREET NAME	MAIN FSN	LENGTH (feet)	SIZE (inches)	MATERIAL	US MH ID	US MH IE	US MH DEPTH	DS MH ID	DS MH IE	DS MH DEPTH	LATERALS	ACTION	COMMUNITY	FIELD BOOK
6	NAVAJO RD	62519	85	8	VC	17	677.78	6	18	675.12	7	0	REHAB W/ POINT REPAIR	NAVAJO	M14S
7	BELLE GLADE LN	62768	265	8	VC	11	598.23	8	10	592.11	8	8	REHAB	NAVAJO	M15S
7	BELLE GLADE LN	62769	100	8	VC	12	600.12	8	11	598.23	8	4	REHAB	NAVAJO	M15S
7	GREEN GABLES AV	62771	195	8	VC	14	598.06	9	15	591.24	7	4	REHAB	NAVAJO	M15S
7	GREEN GABLES AV	62772	195	8	VC	15	591.24	7	16	583.42	7	5	REHAB	NAVAJO	M15S
7	ROCK MANOR DR	62774	232	8	VC	16	583.42	7	18	575.3	8	6	REHAB	NAVAJO	M15S
7	GREEN GABLES CT	62773	148	8	VC	17	590.84	7	16	583.42	7	3	REHAB	NAVAJO	M15S
7	ROCK MANOR DR	62776	230	8	VC	18	575.3	8	20	569.55	9	5	REHAB	NAVAJO	M15S
7	SUNNY BRAE DR	62778	116	8	VC	22	564.98	6	21	564.51	7	2	REHAB	NAVAJO	M15S
7	SUNNY BRAE DR	62779	280	8	VC	23	567.78	9	22	564.98	6	7	REHAB	NAVAJO	M15S
7	SUNNY BRAE DR	62780	250	8	VC	24	575.87	9	23	567.78	9	7	REHAB	NAVAJO	M15S
7	MURRAY PARK DR	62783	350	8	VC	25	565.91	6	31	550.86	14	4	REHAB	NAVAJO	M15S
7	MURRAY PARK DR	62782	350	8	VC	41	575.36	7	25	565.91	6	9	REHAB	NAVAJO	M15S
7	GOLFCREST DR	62807	219	8	VC	49	614.25	8	50	599.77	8	5	REHAB	NAVAJO	M15S
7	GOLFCREST DR	62808	300	8	VC	50	599.77	8	51	591.97	7	8	REHAB	NAVAJO	M15S
7	GOLFCREST DR	62809	315	8	VC	51	591.97	7	52	583.46	7	7	REHAB	NAVAJO	M15S
7	MURRAY PARK DR	62810	300	8	VC	52	583.46	7	41	575.36	7	8	REHAB	NAVAJO	M15S
7	SUNNY BRAE DR	62781	252	8	VC	53	581.92	9	24	575.87	9	6	REHAB	NAVAJO	M15S
7	SUNNY BRAE DR	62811	280	8	VC	54	590.32	11	53	581.92	9	7	REHAB	NAVAJO	M15S
7	SUNNY BRAE DR	62812	275	8	VC	55	612.87	10	54	590.32	11	6	REHAB	NAVAJO	M15S
8	GREEN GABLES AV	62770	170	8	VC	13	604.01	7	14	598.06	9	4	REHAB	NAVAJO	M15S
8	GOLFCREST DR	62806	72	8	VC	48	619	7	49	614.25	8	4	REHAB	NAVAJO	M15S
8	SUNNY BRAE DR	62813	119	8	VC	56	621.21	11	55	612.87	10	5	REHAB	NAVAJO	M15S
8	GREEN GABLES AV	62699	252	8	VC	161	645	8	199	635.93	6	4	REHAB	NAVAJO	M14S
8	TUCKAWAY ST	62666	200	8	VC	162	642.79	6	163	639.47	7	7	REHAB	NAVAJO	M14S
8	TEMPLE TR	62698	155	8	VC	198	633.4	7	197	630.65	7	6	REHAB	NAVAJO	M14S
8	GREEN GABLES AV	62700	350	8	VC	199	635.93	6	200	623.33	6	6	REHAB	NAVAJO	M14S
8	GREEN GABLES AV	62701	350	8	VC	200	623.33	6	202	605.83	14	4	REHAB	NAVAJO	M14S
8	WANDERMERE DR	62704	146	8	VC	203	623.35	10	202	605.83	14	1	REHAB	NAVAJO	M14S
8	WANDERMERE DR	62705	150	8	VC	204	623.95	17	203	623.35	10	1	REHAB	NAVAJO	M14S
8	SUNNY BRAE DR	62706	200	8	VC	205	638.75	11	204	623.95	17	5	REHAB	NAVAJO	M14S
8	SUNNY BRAE DR	62707	247	8	VC	206	645.41	8	205	638.75	11	6	REHAB	NAVAJO	M14S
8	SUNNY BRAE DR	62708	250	8	VC	207	650.41	8	206	645.41	8	7	REHAB	NAVAJO	M14S
8	SUNNY BRAE DR	62709	152	8	VC	208	659.52	8	207	650.41	8	5	REHAB	NAVAJO	M14S
8	GOLFCREST DR	62714	300	8	VC	209	644.71	10	212	639.31	8	7	REHAB	NAVAJO	M14S
8	GOLFCREST DR	62712	60	8	VC	210	625.3	0	211	625.06	13	3	REHAB	NAVAJO	M14S
8	GOLFCREST DR	62713	150	8	VC	212	639.31	8	211	625.06	13	4	REHAB	NAVAJO	M14S
8	GOLFCREST DR	62715	220	8	VC	213	657.91	8	209	644.71	10	6	REHAB	NAVAJO	M14S
8	GOLFCREST DR	62716	120	8	VC	214	666.31	8	213	657.91	8	4	REHAB	NAVAJO	M14S
8	SUNNY BRAE DR	62747	130	8	VC	242	675.97	6	243	675.45	8	5	REHAB	NAVAJO	M14S
8	SUNNY BRAE DR	62746	122	8	VC	243	675.45	8	248	673.13	9	2	REHAB	NAVAJO	M14S
8	GOLFCREST DR	62743	100	8	VC	245	673.15	6	244	0	0	4	REHAB	NAVAJO	M14S
8	GLENFLORA AV	62745	278	8	VC	247	674.24	7	248	673.13	9	2	REHAB	NAVAJO	M14S
8	GLENFLORA AV	62748	226	8	VC	248	673.13	9	251	658.89	8	3	REHAB	NAVAJO	M14S
8	SUNNY BRAE DR	62710	120	8	VC	249	666.72	9	208	659.52	8	4	REHAB	NAVAJO	M14S

Pipeline Rehabilitation AW-1 (B-18120) - SEWER PIPELINE SPREADSHEET

MAP SHEET NUMBER	STREET NAME	MAIN FSN	LENGTH (feet)	SIZE (inches)	MATERIAL	US MH ID	US MH IE	US MH DEPTH	DS MH ID	DS MH IE	DS MH DEPTH	LATERALS	ACTION	COMMUNITY	FIELD BOOK
8	GREEN GABLES AV	62665	200	8	VC	250	650	6	161	645	8	7	REHAB	NAVAJO	M14S
8	GLENFLORA AV	62749	198	8	VC	251	658.89	8	252	651.97	5	4	REHAB	NAVAJO	M14S
8	GLENFLORA AV	62664	350	8	VC	252	651.97	5	160	646.02	6	8	REHAB	NAVAJO	M14S
8	WANDERMERE DR	62703	338	8	VC	202	605.83	14	201	597.39	9	4	REHAB W/ POINT REPAIR	NAVAJO	M14S
9	GLENFLORA AV	62717	25	8	VC	215	651.01	6	217	646.51	8	1	REHAB	NAVAJO	M14S
9	CRAMPTON CT	62718	180	8	VC	216	651.01	9	217	646.51	8	6	REHAB	NAVAJO	M14S
9	GLENFLORA AV	62719	327	8	VC	217	646.51	8	219	632.77	7	7	REHAB	NAVAJO	M14S
9	SANDERS CT	62720	166	8	VC	218	636.09	7	219	632.77	7	4	REHAB	NAVAJO	M14S
9	GLENFLORA AV	62721	175	8	VC	219	632.77	7	220	226.12	6	3	REHAB	NAVAJO	M14S
9	GLENFLORA AV	62722	173	8	VC	220	619.53	6	221	226.12	6	5	REHAB	NAVAJO	M14S
9	LITTLER DR	62754	200	8	VC	221	619.53	6	222	610.33	12	4	REHAB	NAVAJO	M14S
9	LITTLER DR	62755	265	8	VC	222	610.33	12	223	609.27	11	4	REHAB	NAVAJO	M14S
9	LITTLER DR	62586	255	8	VC	223	609.27	11	89	608.25	12	4	REHAB	NAVAJO	M14S
9	PLAYER DR	62756	196	8	VC	224	624.99	5	223	609.27	11	3	REHAB	NAVAJO	M14S
9	CASPER DR	62585	350	8	VC	225	620.5	8	89	608.25	12	8	REHAB	NAVAJO	M14S
9	PLAYER DR	62757	237	8	VC	226	636.84	6	224	624.99	5	6	REHAB	NAVAJO	M14S
9	PLAYER DR	62727	200	8	VC	227	639.85	7	226	636.84	6	6	REHAB	NAVAJO	M14S
9	LEMA WY	62728	140	8	VC	228	636.66	6	262	628.26	10	1	REHAB	NAVAJO	M14S
9	CASPER DR	62729	138	8	VC	263	635.35	10	262	628.26	10	2	REHAB W/ POINT REPAIR	NAVAJO	M14S
10	GOLFCREST DR	62530	189	8	VC	27	650.17	8	233	637.51	10	2	REHAB	NAVAJO	M14S
10		5465219	138	8	VC	28	651.45	10	271	651.06	9	1	REHAB	NAVAJO	M14S
10	GOLFCREST DR	62532	202	8	VC	29	652.26	6	28	651.45	10	3	REHAB	NAVAJO	M14S
10	NAVAJO RD	62535	294	8	VC	31	656.53	9	51	650.53	3	1	REHAB	NAVAJO	M14S
10	NAVAJO RD	62536	351	8	VC	32	672.29	8	31	656.53	9	1	REHAB	NAVAJO	M14S
10	NAVAJO RD	62539	10	8	VC	35	685.79	9	36	685.67	9	1	REHAB	NAVAJO	M14S
10	GOLFCREST DR	62534	169	8	VC	51	650.53	3	30	646.94	5	1	REHAB	NAVAJO	M14S
10		62731	113	8	VC	233	637.51	10	265	637.06	5	1	REHAB	NAVAJO	M14S
10	JACKSON DR	62733	234	8	VC	234	655.09	4	265	637.06	5	2	REHAB	NAVAJO	M14S
10	JACKSON DR	62734	112	8	VC	235	661	6	234	655.09	4	3	REHAB	NAVAJO	M14S
10	JACKSON DR	62740	75	8	VC	238	671.14	6.75	237	670.84	4	0	REHAB	NAVAJO	M14S
10	GOLFCREST DR	62732	176	8	VC	265	637.06	5	264	636.35	15	0	REHAB	NAVAJO	M14S
10		5465381	96	8	VC	272	683.48	7	33	682.61	9	0	REHAB	NAVAJO	M14S
10	NAVAJO RD	62537	350	8	VC	33	682.61	9	32	672.29	8	2	REHAB W/ POINT REPAIR	NAVAJO	M14S
10		5465380	161	8	VC	36	685.67	9	272	683.48	7	1	REHAB W/ POINT REPAIR	NAVAJO	M14S
10	JACKSON DR	62736	185	8	VC	237	670.84	4	235	661	6	3	REHAB W/ POINT REPAIR	NAVAJO	M14S
10		62531	181	8	VC	271	651.06	9	27	650.17	8	1	REHAB W/ POINT REPAIR	NAVAJO	M14S
11	CAMTO PEQUENA	62553	182	8	VC	52	646.2	11	53	633.5	9	0	REHAB	NAVAJO	M14S
11	CAMTO ENTRADA	62555	312	8	VC	53	633.5	9	57	632.23	10	13	REHAB	NAVAJO	M14S
11	CAMTO PERICO	62556	298	8	VC	54	648.7	12	56	618.5	17	21	REHAB	NAVAJO	M14S
11	CAMTO CURVA	62554	243	8	VC	58	647.2	11	52	646.2	11	19	REHAB	NAVAJO	M14S
11	CAMTO ENTRADA	62753	36	8	VC	57	632.23	10	63	631.9	11	1	REHAB W/ POINT REPAIR	NAVAJO	M14S
12		62564	232	8	VC	55	618.1	11	65	608.9	8	0	REHAB	NAVAJO	M14S
12	CAMTO PERICO	62557	90	8	VC	56	618.5	17	55	618.1	11	0	REHAB	NAVAJO	M14S
12	CAMTO CURVA	62560	133	8	VC	59	647	7	60	646.47	9	6	REHAB	NAVAJO	M14S

Pipeline Rehabilitation AW-1 (B-18120) - SEWER PIPELINE SPREADSHEET

MAP SHEET NUMBER	STREET NAME	MAIN FSN	LENGTH (feet)	SIZE (inches)	MATERIAL	US MH ID	US MH IE	US MH DEPTH	DS MH ID	DS MH IE	DS MH DEPTH	LATERALS	ACTION	COMMUNITY	FIELD BOOK
12	CAMTO CURVA	62561	68	8	VC	60	646.47	9	61	635.7	13	0	REHAB	NAVAJO	M14S
12	CAMTO CURVA	62562	50	8	VC	61	635.7	13	62	635.5	11	3	REHAB	NAVAJO	M14S
12	CAMTO ENTRADA	62563	169	8	VC	62	635.5	11	64	634.8	10	13	REHAB	NAVAJO	M14S
12	CAMTO PERICO	62558	74	8	VC	63	631.9	11	56	618.5	17	0	REHAB	NAVAJO	M14S
12	CAMTO ENTRADA	62559	114	8	VC	64	634.8	10	63	631.9	11	8	REHAB	NAVAJO	M14S
12		62565	181	8	VC	65	608.9	8	66	588.38	9	0	REHAB	NAVAJO	M14S
12		62575	74	8	VC	76	622.67	8	77	604.07	4	0	REHAB	NAVAJO	M14S
12		62576	130	8	VC	77	604.07	4	78	596.92	4	0	REHAB	NAVAJO	M14S

APPENDIX M
SEWER LATERAL SPREADSHEETS

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
1	1	57345	201229	L15S	4	6608	BELLE HAVEN DR
1	2	57345	201271	L15S	4	6607	BELLE HAVEN DR
1	3	57345	201370	L15S	4	6620	BELLE HAVEN DR
1	4	57345	322498	L15S	4	6619	BELLE HAVEN DR
1	5	57345	322539	L15S	4	6632	BELLE HAVEN DR
1	6	57345	201679	L15S	4	6631	BELLE HAVEN DR
1	7	57344	322748	L15S	4	6641	BELLE HAVEN DR
1	8	57344	201746	L15S	4	6644	BELLE HAVEN DR
1	9	57344	322867	L15S	4	6651	BELLE HAVEN DR
1	10	57344	201959	L15S	4	6658	BELLE HAVEN DR
1	11	57343	202137	L15S	4	6659	BELLE HAVEN DR
1	12	57343	202206	L15S	4	6665	BELLE HAVEN DR
1	13	57343	202048	L15S	4	6668	BELLE HAVEN DR
1	14	57343	323023	L15S	4	6675	BELLE HAVEN DR
1	15	57342	202296	L15S	4	6681	BELLE HAVEN DR
1	16	57342	202334	L15S	4	6689	BELLE HAVEN DR
1	17	57341	322819	L15S	4	6421	MIRA VISTA LN
1	18	57341	201752	L15S	4	6428	MIRA VISTA LN
1	19	57341	201741	L15S	4	6431	MIRA VISTA LN
1	20	57340	322548	L15S	4	6436	MIRA VISTA LN
1	21	57340	201535	L15S	4	6445	MIRA VISTA LN
1	22	57340	322439	L15S	4	6458	MIRA VISTA LN
1	23	57340	201347	L15S	4	6471	MIRA VISTA LN
1	24	57340	201294	L15S	4	6486	MIRA VISTA LN
1	25	57348	200599	L15S	4	6663	WANDERMERE DR
1	26	57002	321744	L15S	4	6671	WANDERMERE DR
1	27	57336	323213	L15S	4	6415	LOCHMOOR DR
1	28	57337	202307	L15S	4	6421	LOCHMOOR DR
1	29	57337	202122	L15S	4	6422	LOCHMOOR DR
1	30	57337	202096	L15S	4	6427	LOCHMOOR DR
1	31	57337	322837	L15S	4	6436	LOCHMOOR DR
1	32	57337	201974	L15S	4	6435	LOCHMOOR DR
1	33	57337	201810	L15S	4	6448	LOCHMOOR DR
1	34	57338	201795	L15S	4	6445	LOCHMOOR DR
1	35	57338	322581	L15S	4	6472	LOCHMOOR DR
1	36	57338	322583	L15S	4	6467	LOCHMOOR DR
1	37	57338	201423	L15S	4	6498	LOCHMOOR DR
1	38	57338	322486	L15S	4	6503	LOCHMOOR DR
1	39	57338	201286	L15S	4	6520	LOCHMOOR DR
1	40	57338	201270	L15S	4	6532	LOCHMOOR DR
1	41	57338	201269	L15S	4	6521	LOCHMOOR DR
1	42	57002		L15S			
1	43	57005		L15S			

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
2	44	57321	323573	L15S	4	6366	PARK RIDGE BL
2	45	57321	203034	L15S	4	6369	PARK RIDGE BL
2	46	57321	202871	L15S	4	6374	PARK RIDGE BL
2	47	57321	202840	L15S	4	6381	PARK RIDGE BL
2	48	57321	202668	L15S	4	6380	PARK RIDGE BL
2	49	57321	323278	L15S	4	6393	PARK RIDGE BL
2	50	57321	202471	L15S	4	6392	PARK RIDGE BL
2	51	57335	323163	L15S	4	6409	PARK RIDGE BL
2	52	57335	202320	L15S	4	6410	PARK RIDGE BL
2	53	57335	202156	L15S	4	6422	PARK RIDGE BL
2	54	57335	323033	L15S	4	6425	PARK RIDGE BL
2	55	57335	202003	L15S	4	6436	PARK RIDGE BL
2	56	57335	322923	L15S	4	6437	PARK RIDGE BL
2	57	57335	201840	L15S	4	6454	PARK RIDGE BL
2	58	57335	322820	L15S	4	6455	PARK RIDGE BL
2	59	57334	322690	L15S	4	6471	PARK RIDGE BL
2	60	57334	201620	L15S	4	6472	PARK RIDGE BL
2	61	57334	322558	L15S	4	6483	PARK RIDGE BL
2	62	57334	201420	L15S	4	6494	PARK RIDGE BL
2	63	57334	201375	L15S	4	6497	PARK RIDGE BL
2	64	57334	201191	L15S	4	6511	PARK RIDGE BL
2	65	57333	200964	L15S	4	6523	PARK RIDGE BL
2	66	57333	200875	L15S	4	6556	PARK RIDGE BL
2	67	57333	322025	L15S	4	6547	PARK RIDGE BL
2	68	57333	200664	L15S	4	6563	PARK RIDGE BL
2	69	57333	200548	L15S	4	6577	PARK RIDGE BL
2	70	57325	323848	L15S	4	6350	CASSELBERRY WY
2	71	57325	323747	L15S	4	6362	CASSELBERRY WY
2	72	57325	203256	L15S	4	6365	CASSELBERRY WY
2	73	57325	323646	L15S	4	6370	CASSELBERRY WY
2	74	57325	203125	L15S	4	6377	CASSELBERRY WY
2	75	57325	203008	L15S	4	6378	CASSELBERRY WY
2	76	57326	323534	L15S	4	6383	CASSELBERRY WY
2	77	57326	202899	L15S	4	6388	CASSELBERRY WY
2	78	57326	323424	L15S	4	6395	CASSELBERRY WY
2	79	57326	202736	L15S	4	6398	CASSELBERRY WY
2	80	57326	323310	L15S	4	6407	CASSELBERRY WY
2	81	57326	202615	L15S	4	6412	CASSELBERRY WY
2	82	57326	202580	L15S	4	6423	CASSELBERRY WY
2	83	57326	202489	L15S	4	6422	CASSELBERRY WY
2	84	57326	202433	L15S	4	6435	CASSELBERRY WY
2	85	57326	202343	L15S	4	6432	CASSELBERRY WY
2	86	57330	323063	L15S	4	6445	CASSELBERRY WY

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
2	87	57330	202204	L15S	4	6442	CASSELBERRY WY
2	88	57330	322961	L15S	4	6453	CASSELBERRY WY
2	89	57330	202083	L15S	4	6452	CASSELBERRY WY
2	90	57330	322888	L15S	4	6461	CASSELBERRY WY
2	91	57330	201976	L15S	4	6462	CASSELBERRY WY
2	92	57330	322807	L15S	4	6475	CASSELBERRY WY
2	93	57330	201829	L15S	4	6472	CASSELBERRY WY
2	94	57330	201765	L15S	4	6482	CASSELBERRY WY
2	95	57330	322722	L15S	4	6483	CASSELBERRY WY
2	96	57331	322615	L15S	4	6497	CASSELBERRY WY
2	97	57331	201534	L15S	4	6498	CASSELBERRY WY
2	98	57331	201502	L15S	4	6509	CASSELBERRY WY
2	99	57331	322431	L15S	4	6510	CASSELBERRY WY
2	100	57331	322409	L15S	4	6521	CASSELBERRY WY
2	101	57331	322323	L15S	4	6522	CASSELBERRY WY
2	102	57331	201220	L15S	4	6533	CASSELBERRY WY
2	103	57331	322197	L15S	4	6534	CASSELBERRY WY
2	104	57331	201013	L15S	4	6545	CASSELBERRY WY
2	105	57331	200930	L15S	4	6552	CASSELBERRY WY
2	106	57332	200888	M15S	4	6551	CASSELBERRY WY
2	107	57332	200755	L15S	4	6560	CASSELBERRY WY
2	108	57332	321962	M15S	4	6557	CASSELBERRY WY
2	109	57332	200630	M15S	4	6563	CASSELBERRY WY
2	110	57332	200617	L15S	4	6568	CASSELBERRY WY
2	111	57332	200529	M15S	4	6569	CASSELBERRY WY
2	112	57332	200530	L15S	4	6576	CASSELBERRY WY
2	113	57324	203630	L15S	4	6804	MURRAY PARK DR
2	114	57324	203784	L15S	4	6809	MURRAY PARK DR
3	115	57008	200038	L14S	4	6607	PARK RIDGE BL
3	116	57008	321379	L14S	4	6606	PARK RIDGE BL
3	117	57008	199876	L14S	4	6631	PARK RIDGE BL
3	118	57008	199884	L14S	4	6630	PARK RIDGE BL
3	119	57008	321113	L14S	4	6655	PARK RIDGE BL
3	120	57008	199736	L14S	4	6654	PARK RIDGE BL
3	121	57008	199558	L14S	4	6679	PARK RIDGE BL
3	122	57008	199555	L14S	4	6678	PARK RIDGE BL
3	123	57007	199369	L14S	4	6705	PARK RIDGE BL
3	124	57007	199340	L14S	4	6704	PARK RIDGE BL
3	125	57007	320722	L14S	4	6718	PARK RIDGE BL
3	126	57007	320696	L14S	4	6719	PARK RIDGE BL
3	127	57007	199022	L14S	4	6732	PARK RIDGE BL
3	128	57007	199004	L14S	4	6733	PARK RIDGE BL
3	129	57007	320526	L14S	4	6756	PARK RIDGE BL

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
3	130	57007	198893	L14S	4	6757	PARK RIDGE BL
3	131	57006	198657	L14S	4	6770	PARK RIDGE BL
3	132	57006	320328	L14S	4	6771	PARK RIDGE BL
3	133	57006	320234	L14S	4	6784	PARK RIDGE BL
3	134	57006	320205	L14S	4	6785	PARK RIDGE BL
3	135	57006	198327	L14S	4	6808	PARK RIDGE BL
3	136	57006	198303	L14S	4	6809	PARK RIDGE BL
3	137	57006	198137	L14S	4	6828	PARK RIDGE BL
3	138	57011	198111	L14S	4	6829	PARK RIDGE BL
3	139	57011	197989	L14S	4	6848	PARK RIDGE BL
3	140	57011	319849	L14S	4	6849	PARK RIDGE BL
3	141	57011	197840	L14S	4	6868	PARK RIDGE BL
3	142	57011	319739	L14S	4	6869	PARK RIDGE BL
3	143	57011	197691	L14S	4	6888	PARK RIDGE BL
3	144	57011	319611	L14S	4	6889	PARK RIDGE BL
3	145	57011	197537	L14S	4	6916	PARK RIDGE BL
3	146	57011	319498	L14S	4	6917	PARK RIDGE BL
3	147	57011	197368	L14S	4	6936	PARK RIDGE BL
3	148	57012	319391	L14S	4	6937	PARK RIDGE BL
3	149	57012	197204	L14S	4	6956	PARK RIDGE BL
3	150	57012	197164	L14S	4	6955	PARK RIDGE BL
3	151	57012	319157	L14S	4	6977	PARK RIDGE BL
3	152	57012	319147	L14S	4	6976	PARK RIDGE BL
3	153	62723	199864	M14S	4	6624	CASSELBERRY WY
3	154	62723	321235	M14S	4	6625	CASSELBERRY WY
3	155	62723	199707	M14S	4	6644	CASSELBERRY WY
3	156	62723	199702	M14S	4	6645	CASSELBERRY WY
3	157	62724	320977	M14S	4	6664	CASSELBERRY WY
3	158	62724	199528	M14S	4	6665	CASSELBERRY WY
3	159	62724	199346	M14S	4	6684	CASSELBERRY WY
3	160	62724	320825	M14S	4	6685	CASSELBERRY WY
3	161	62724	199192	M14S	4	6704	CASSELBERRY WY
3	162	62724	320697	M14S	4	6705	CASSELBERRY WY
3	163	62724	199025	M14S	4	6718	CASSELBERRY WY
3	164	62724	320593	M14S	4	6719	CASSELBERRY WY
3	165	62725	198854	M14S	4	6732	CASSELBERRY WY
3	166	62725	320470	M14S	4	6733	CASSELBERRY WY
3	167	62725	320371	M14S	4	6746	CASSELBERRY WY
3	168	62725	320343	M14S	4	6749	CASSELBERRY WY
3	169	62725	198519	M14S	4	6760	CASSELBERRY WY
3	170	62725	198455	M14S	4	6765	CASSELBERRY WY
3	171	62725	320146	M14S	4	6774	CASSELBERRY WY
3	172	62686	198278	M14S	4	6781	CASSELBERRY WY

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
3	173	62686	198181	M14S	4	6788	CASSELBERRY WY
3	174	62686	198079	M14S	4	6803	CASSELBERRY WY
3	175	62686	319885	L14S	4	6806	CASSELBERRY WY
3	176	62686	197915	M14S	4	6823	CASSELBERRY WY
3	177	62686	319767	L14S	4	6826	CASSELBERRY WY
3	178	62686	197766	M14S	4	6843	CASSELBERRY WY
3	179	62685	319661	L14S	4	6846	CASSELBERRY WY
3	180	62685	319600	M14S	4	6863	CASSELBERRY WY
3	181	62685	319554	L14S	4	6866	CASSELBERRY WY
3	182	62685	319492	M14S	4	6883	CASSELBERRY WY
3	183	62685	197404	L14S	4	6886	CASSELBERRY WY
3	184	62685	319405	M14S	4	6915	CASSELBERRY WY
3	185	62685	197306	L14S	4	6916	CASSELBERRY WY
3	186	62682	197148	M14S	4	6931	CASSELBERRY WY
3	187	62682	197096	L14S	4	6938	CASSELBERRY WY
3	188	62682	319154	M14S	4	6858	BONNIE VIEW DR
3	189	62682	319066	M14S	4	6963	CASSELBERRY WY
3	190	57010	378554	L15S	4	6587	PARK RIDGE BL
3	191	57010	321503	L14S	4	6604	CASSELBERRY WY
3	192	57010	378555	L15S	4	6584	CASSELBERRY WY
3	193	62687	321633	M15S	4	6585	CASSELBERRY WY
3	194	62687	200202	M14S	4	6605	CASSELBERRY WY
3	195	62681	196983	L14S	4	6960	CASSELBERRY WY
3	196	62681	318985	L14S	4	6884	HYDE PARK DR
4	197	57328	323735	L15S	4	6366	BONNIE VIEW DR
4	198	57327	203246	L15S	4	6369	BONNIE VIEW DR
4	199	57327	323644	L15S	4	6380	BONNIE VIEW DR
4	200	57327	323570	L15S	4	6390	BONNIE VIEW DR
4	201	57327	203033	L15S	4	6385	BONNIE VIEW DR
4	202	57327	202925	L15S	4	6390	BONNIE VIEW DR
4	203	62761	323446	L15S	4	6401	BONNIE VIEW DR
4	204	62761	202783	L15S	4	6412	BONNIE VIEW DR
4	205	62761	202759	L15S	4	6419	BONNIE VIEW DR
4	206	62761	202661	L15S	4	6434	BONNIE VIEW DR
4	207	62761	202620	L15S	4	6441	BONNIE VIEW DR
4	208	62761	202533	L15S	4	6446	BONNIE VIEW DR
4	209	62761	202529	M15S	4	6453	BONNIE VIEW DR
4	210	62761	323116	L15S	4	6456	BONNIE VIEW DR
4	211	62761	202251	L15S	4	6466	BONNIE VIEW DR
4	212	62761	202322	M15S	4	6465	BONNIE VIEW DR
4	213	62760	322936	M15S	4	6478	BONNIE VIEW DR
4	214	62760	202198	M15S	4	6477	BONNIE VIEW DR
4	215	62760	202064	M15S	4	6485	BONNIE VIEW DR

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
4	216	62760	322841	M15S	4	6486	BONNIE VIEW DR
4	217	62760	322823	M15S	4	6499	BONNIE VIEW DR
4	218	62760	322746	M15S	4	6498	BONNIE VIEW DR
4	219	62760	201831	M15S	4	6509	BONNIE VIEW DR
4	220	62760	322662	M15S	4	6510	BONNIE VIEW DR
4	221	62759	322626	M15S	4	6517	BONNIE VIEW DR
4	222	62759	322559	M15S	4	6518	BONNIE VIEW DR
4	223	62759	322530	M15S	4	6525	BONNIE VIEW DR
4	224	62759	322452	M15S	4	6528	BONNIE VIEW DR
4	225	62759	322415	M15S	4	6535	BONNIE VIEW DR
4	226	62759	201273	M15S	4	6536	BONNIE VIEW DR
4	227	62759	322333	M15S	4	6543	BONNIE VIEW DR
4	228	62759	201098	M15S	4	6550	BONNIE VIEW DR
4	229	62759	201065	M15S	4	6551	BONNIE VIEW DR
4	230	62759	322122	M15S	4	6556	BONNIE VIEW DR
4	231	62759	200885	M15S	4	6559	BONNIE VIEW DR
4	232	62759	200817	M15S	4	6562	BONNIE VIEW DR
4	233	62758	321978	M15S	4	6565	BONNIE VIEW DR
4	234	62758	321913	M15S	4	6570	BONNIE VIEW DR
4	235	62758	321875	M15S	4	6571	BONNIE VIEW DR
4	236	62758	321780	M15S	4	6577	BONNIE VIEW DR
4	237	62758	200535	M15S	4	6576	BONNIE VIEW DR
4	238	62793	203258	M15S	4	6355	MURRAY PARK CT
4	239	62793	203324	M15S	4	6352	MURRAY PARK CT
4	240	62793	203206	M15S	4	6370	MURRAY PARK CT
4	241	62793	203181	M15S	4	6384	MURRAY PARK CT
4	242	62793	203180	M15S	4	6383	MURRAY PARK CT
4	243	62793	203179	M15S	4	6371	MURRAY PARK CT
4	244	62895	203047	M15S	4	6351	BELLE GLADE AV
4	245	62895	203120	M15S	4	6352	BELLE GLADE AV
4	246	62895	323511	M15S	4	6374	BELLE GLADE AV
4	247	62792	202858	M15S	4	6375	BELLE GLADE AV
4	248	62792	202798	M15S	4	6390	BELLE GLADE AV
4	249	62762	323295	M15S	4	6420	BELLE GLADE AV
4	250	62762	323238	M15S	4	6444	BELLE GLADE AV
4	251	62762	202614	M15S	4	6433	BELLE GLADE AV
4	252	62762	323166	M15S	4	6460	BELLE GLADE AV
4	253	62762	323173	M15S	4	6461	BELLE GLADE AV
4	254	62762	323073	M15S	4	6472	BELLE GLADE AV
4	255	62762	202306	M15S	4	6481	BELLE GLADE AV
4	256	62762	322966	M15S	4	6484	BELLE GLADE AV
4	257	62762	202167	M15S	4	6499	BELLE GLADE AV
4	258	62763	322890	M15S	4	6496	BELLE GLADE AV

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
4	259	62763	202018	M15S	4	6501	BELLE GLADE AV
4	260	62763	322800	M15S	4	6504	BELLE GLADE AV
4	261	62763	201864	M15S	4	6511	BELLE GLADE AV
4	262	62763	201832	M15S	4	6512	BELLE GLADE AV
4	263	62764	201599	M15S	4	6520	BELLE GLADE AV
4	264	62764	322480	M15S	4	6528	BELLE GLADE AV
4	265	62764	322505	M15S	4	6525	BELLE GLADE AV
4	266	62764	322390	M15S	4	6536	BELLE GLADE AV
4	267	62764	201332	M15S	4	6535	BELLE GLADE AV
4	268	62766	321907	M15S	4	6568	BELLE GLADE AV
4	269	62766	200524	M15S	4	6576	BELLE GLADE AV
4	270	62790	202917	M15S	4	6320	ELMCREST DR
4	271	62790	202781	M15S	4	6336	ELMCREST DR
4	272	62790	202657	M15S	4	6348	ELMCREST DR
4	273	62790	202448	M15S	4	6402	ELMCREST DR
4	274	62775	201690	M15S	4	6520	ELMCREST DR
4	275	62775	201533	M15S	4	6539	ELMCREST DR
4	276	62775	201458	M15S	4	6536	ELMCREST DR
4	277	62775	201457	M15S	4	6550	ELMCREST DR
4	278	62775	201456	M15S	4	6555	ELMCREST DR
4	279	57329	203785	L15S	4	6815	MURRAY PARK DR
4	280	57329	323989	L15S	4	6814	MURRAY PARK DR
4	281	57329	203783	L15S	4	6821	MURRAY PARK DR
4	282	57329	203624	L15S	4	6822	MURRAY PARK DR
4	283	57329	203771	L15S	4	6827	MURRAY PARK DR
4	284	62794	203753	L15S	4	6833	MURRAY PARK DR
4	285	62794	323935	L15S	4	6836	MURRAY PARK DR
4	286	62794	203725	L15S	4	6839	MURRAY PARK DR
4	287	62794	323914	L15S	4	6844	MURRAY PARK DR
4	288	62794	203690	M15S	4	6845	MURRAY PARK DR
4	289	62794	203645	M15S	4	6851	MURRAY PARK DR
4	290	62794	323969	M15S	4	6857	MURRAY PARK DR
4	291	62795	203546	M15S	4	6863	MURRAY PARK DR
4	292	62795	203491	M15S	4	6877	MURRAY PARK DR
4	293	62767	200919	M15S	4	6959	BELLE GLADE LN
4	294	62767	321969	M15S	4	6960	BELLE GLADE LN
4	295	62767	322104	M15S	4	6971	BELLE GLADE LN
4	296	62767	321965	M15S	4	6972	BELLE GLADE LN
4	297	62767	200920	M15S	4	6983	BELLE GLADE LN
4	298	62767	321964	M15S	4	6986	BELLE GLADE LN
4	299	62767	200916	M15S	4	6995	BELLE GLADE LN
5	300	62689	200042	M14S	4	6603	BONNIE VIEW DR
5	301	62689	321377	M14S	4	6602	BONNIE VIEW DR

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
5	302	62689	321254	M14S	4	6629	BONNIE VIEW DR
5	303	62689	321231	M14S	4	6628	BONNIE VIEW DR
5	304	62689	321115	M14S	4	6644	BONNIE VIEW DR
5	305	62689	199717	M14S	4	6645	BONNIE VIEW DR
5	306	62689	199547	M14S	4	6661	BONNIE VIEW DR
5	307	62689	320981	M14S	4	6660	BONNIE VIEW DR
5	308	62690	320849	M14S	4	6677	BONNIE VIEW DR
5	309	62690	320835	M14S	4	6676	BONNIE VIEW DR
5	310	62690	320714	M14S	4	6693	BONNIE VIEW DR
5	311	62690	199163	M14S	4	6692	BONNIE VIEW DR
5	312	62690	199023	M14S	4	6705	BONNIE VIEW DR
5	313	62690	199002	M14S	4	6704	BONNIE VIEW DR
5	314	62690	198851	M14S	4	6719	BONNIE VIEW DR
5	315	62690	320475	M14S	4	6718	BONNIE VIEW DR
5	316	62691	320367	M14S	4	6733	BONNIE VIEW DR
5	317	62691	320357	M14S	4	6732	BONNIE VIEW DR
5	318	62691	320241	M14S	4	6747	BONNIE VIEW DR
5	319	62691	198486	M14S	4	6746	BONNIE VIEW DR
5	320	62691	198328	M14S	4	6761	BONNIE VIEW DR
5	321	62691	320106	M14S	4	6760	BONNIE VIEW DR
5	322	62691	198142	M14S	4	6775	BONNIE VIEW DR
5	323	62691	319985	M14S	4	6774	BONNIE VIEW DR
5	324	62691	197985	M14S	4	6789	BONNIE VIEW DR
5	325	62691	197979	M14S	4	6788	BONNIE VIEW DR
5	326	62684	197841	M14S	4	6809	BONNIE VIEW DR
5	327	62684	319758	M14S	4	6808	BONNIE VIEW DR
5	328	62684	197698	M14S	4	6819	BONNIE VIEW DR
5	329	62684	319634	M14S	4	6818	BONNIE VIEW DR
5	330	62684	197546	M14S	4	6828	BONNIE VIEW DR
5	331	62684	197519	M14S	4	6829	BONNIE VIEW DR
5	332	62684	197384	M14S	4	6838	BONNIE VIEW DR
5	333	62683	319438	M14S	4	6843	BONNIE VIEW DR
5	334	62683	197234	M14S	4	6848	BONNIE VIEW DR
5	335	62683	319250	M14S	4	6858	BONNIE VIEW DR
5	336	62683	319301	M14S	4	6863	BONNIE VIEW DR
5	337	62683	197091	M14S	4	6868	BONNIE VIEW DR
5	338	62694	321358	M14S	4	6606	BELLE GLADE AV
5	339	62694	321233	M14S	4	6618	BELLE GLADE AV
5	340	62694	199756	M14S	4	6630	BELLE GLADE AV
5	341	62694	320968	M14S	4	6642	BELLE GLADE AV
5	342	62694	320869	M14S	4	6654	BELLE GLADE AV
5	343	62695	320845	M14S	4	6665	BELLE GLADE AV
5	344	62695	320713	M14S	4	6666	BELLE GLADE AV

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
5	345	62695	198998	M14S	4	6678	BELLE GLADE AV
5	346	62695	320474	M14S	4	6704	BELLE GLADE AV
5	347	62695	320386	M14S	4	6720	BELLE GLADE AV
5	348	62695	198690	M14S	6	6665	BELLE GLADE AV
5	349	62696	198489	M14S	4	6736	BELLE GLADE AV
5	350	62696	320110	M14S	4	6752	BELLE GLADE AV
5	351	62696	198141	M14S	4	6768	BELLE GLADE AV
5	352	62696	319873	M14S	4	6784	BELLE GLADE AV
5	353	62669	197843	M14S	4	6804	BELLE GLADE AV
5	354	62669	197784	M14S	4	6807	BELLE GLADE AV
5	355	62669	319682	M14S	4	6820	BELLE GLADE AV
5	356	62669	197660	M14S	4	6823	BELLE GLADE AV
5	357	62669	319519	M14S	4	6836	BELLE GLADE AV
5	358	62669	197504	M14S	4	6839	BELLE GLADE AV
5	359	62669	319423	M14S	4	6852	BELLE GLADE AV
5	360	62678	197149	M14S	4	6887	BONNIE VIEW DR
5	361	62677	318934	M14S	4	6869	BELLE GLADE AV
5	362	62677	196562	M14S	4	6909	HYDE PARK DR
5	363	62679	319119	M14S	4	6888	BONNIE VIEW DR
5	364	62679	197099	M14S	4	6887	BONNIE VIEW DR
5	365	62674	196765	M14S	4	6908	GLENFLORA AV
5	366	62674	196888	M14S	4	6905	GLENFLORA AV
5	367	62674	318952	M14S	4	6918	GLENFLORA AV
5	368	62674	196798	M14S	4	6915	GLENFLORA AV
5	369	62674	196716	M14S	4	6939	GLENFLORA AV
5	370	62674	318858	M14S	4	6928	GLENFLORA AV
5	371	62674	196517	M14S	4	6938	GLENFLORA AV
5	372	62673	196498	M14S	4	6948	GLENFLORA AV
5	373	62673	196573	M14S	4	6958	GLENFLORA AV
5	374	62672	196848	M14S	4	6965	GLENFLORA AV
5	375	62672	196725	M14S	4	6968	GLENFLORA AV
5	376	62672	319087	M14S	4	6975	GLENFLORA AV
5	377	62672	319011	M14S	4	6978	GLENFLORA AV
5	378	62672	196999	M14S	4	7007	GLENFLORA AV
5	379	62672	319052	M14S	4	7010	GLENFLORA AV
5	380	62672	319174	M14S	4	7021	GLENFLORA AV
5	381	62672	197135	M14S	4	7033	GLENFLORA AV
5	382	62671	197323	M14S	4	6906	TUCKAWAY ST
5	383	62671	197319	M14S	4	6922	TUCKAWAY ST
5	384	62667	197497	M14S	4	6937	TUCKAWAY ST
5	385	62667	319396	M14S	4	6938	TUCKAWAY ST
5	386	62667	319441	M14S	4	6954	TUCKAWAY ST
5	387	62667	319543	M14S	4	6959	TUCKAWAY ST

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
5	388	62667	319467	M14S	4	6970	TUCKAWAY ST
5	389	62667	319576	M14S	4	6975	TUCKAWAY ST
5	390	62667	197483	M14S	4	6986	TUCKAWAY ST
5	391	62667	319610	M14S	4	6989	TUCKAWAY ST
5	392	62667	197541	M14S	4	7004	TUCKAWAY ST
5	393	62668	319948	M14S	4	6911	TEMPLE TR
5	394	62668	319952	M14S	4	6933	TEMPLE TR
5	395	62668	197921	M14S	4	6932	TEMPLE TR
5	396	62697	319860	M14S	4	6952	TEMPLE TR
5	397	62697	319982	M14S	4	6955	TEMPLE TR
5	398	62697	319902	M14S	4	6972	TEMPLE TR
5	399	62697	198185	M14S	4	6977	TEMPLE TR
5	400	62697	319935	M14S	4	7006	TEMPLE TR
5	401	62697	198243	M14S	4	7009	TEMPLE TR
5	402	62688	200375	M15S	4	6584	BONNIE VIEW DR
5	403	62692	200378	M15S	4	6583	BONNIE VIEW DR
5	404	62693	200376	M14S	4	6584	BELLE GLADE AV
5	405	62702	200196	M14S	4	6665	BELLE GLADE AV
5	406	62702	200371	M15S	4	6965	WANDERMERE DR
5	407	62702	200372	M15S	4	6979	WANDERMERE DR
5	408	62702	200377	M15S	4	7005	WANDERMERE DR
5	409	62702	200197	M14S	4	6665	BELLE GLADE AV
5	410	62702	200379	M15S	4	7021	WANDERMERE DR
6	411	62518	194814	M14S	4	7448	JACKSON DR
6	412	62518	194544	M14S	4	6953	NAVAJO RD
6	413	62680	280055	M14S	4	6853	HYDE PARK DR
6	414	62680	196579	M14S	4	6804	HYDE PARK DR
6	415	62680	318849	M14S	4	6804	HYDE PARK DR
6	416	62680	196472	M14S	4	6804	HYDE PARK DR
6	417	62680	196380	M14S	4	6804	HYDE PARK DR
6	418	62676	318681	M14S	4	6804	HYDE PARK DR
6	419	62676	196332	M14S	4	6917	HYDE PARK DR
6	420	62676	318621	M14S	4	6925	HYDE PARK DR
6	421	62675	196125	M14S	4	6933	HYDE PARK DR
6	422	62675	318474	M14S	4	6941	HYDE PARK DR
6	423	62675	195870	M14S	6	6960	HYDE PARK DR
6	424	62680		M14S			
7	425	62768	321959	M15S	4	6998	BELLE GLADE LN
7	426	62768	200908	M15S	4	7011	BELLE GLADE LN
7	427	62768	200751	M15S	4	7010	BELLE GLADE LN
7	428	62768	200907	M15S	4	7027	BELLE GLADE LN
7	429	62768	200750	M15S	4	7032	BELLE GLADE LN
7	430	62768	200911	M15S	4	7041	BELLE GLADE LN

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
7	431	62768	321957	M15S	4	7050	BELLE GLADE LN
7	432	62768	200918	M15S	4	7057	BELLE GLADE LN
7	433	62769	321956	M15S	4	7074	BELLE GLADE LN
7	434	62769	322091	M15S	4	7075	BELLE GLADE LN
7	435	62769	200902	M15S	4	7087	BELLE GLADE LN
7	436	62769	200747	M15S	4	7088	BELLE GLADE LN
7	437	62773	201438	M15S	4	6520	GREEN GABLES CT
7	438	62773	201363	M15S	4	6540	GREEN GABLES CT
7	439	62773	201362	M15S	4	6545	GREEN GABLES CT
7	440	62776	322905	M15S	4	7001	ROCK MANOR DR
7	441	62776	201892	M15S	4	7002	ROCK MANOR DR
7	442	62776	202093	M15S	4	7011	ROCK MANOR DR
7	443	62776	322797	M15S	4	7018	ROCK MANOR DR
7	444	62776	202097	M15S	4	7025	ROCK MANOR DR
7	445	62774	202086	M15S	4	7035	ROCK MANOR DR
7	446	62774	201878	M15S	4	7044	ROCK MANOR DR
7	447	62774	322895	M15S	4	7047	ROCK MANOR DR
7	448	62774	202004	M15S	4	7059	ROCK MANOR DR
7	449	62774	322704	M15S	4	7066	ROCK MANOR DR
7	450	62774	201941	M15S	4	7071	ROCK MANOR DR
7	451	62772	201851	M15S	4	7083	ROCK MANOR DR
7	452	62772	201714	M15S	4	7095	ROCK MANOR DR
7	453	62772	201488	M15S	4	6512	GREEN GABLES AV
7	454	62772	201581	M15S	4	6501	GREEN GABLES AV
7	455	62772	201442	M15S	4	6511	GREEN GABLES AV
7	456	62771	201245	M15S	4	6521	GREEN GABLES AV
7	457	62771	322315	M15S	4	6536	GREEN GABLES AV
7	458	62771	201099	M15S	4	6531	GREEN GABLES AV
7	459	62771	200955	M15S	4	6541	GREEN GABLES AV
7	460	62778	323305	M15S	4	6305	SUNNY BRAE DR
7	461	62778	202502	M15S	4	6308	SUNNY BRAE DR
7	462	62779	202693	M15S	4	6315	SUNNY BRAE DR
7	463	62779	202514	M15S	4	6320	SUNNY BRAE DR
7	464	62779	323318	M15S	4	6325	SUNNY BRAE DR
7	465	62779	202507	M15S	4	6332	SUNNY BRAE DR
7	466	62779	202704	M15S	4	6335	SUNNY BRAE DR
7	467	62779	202501	M15S	4	6344	SUNNY BRAE DR
7	468	62779	323307	M15S	4	6345	SUNNY BRAE DR
7	469	62780	202665	M15S	4	6355	SUNNY BRAE DR
7	470	62780	202445	M15S	4	6356	SUNNY BRAE DR
7	471	62780	323252	M15S	4	6365	SUNNY BRAE DR
7	472	62780	202376	M15S	4	6368	SUNNY BRAE DR
7	473	62780	202550	M15S	4	6375	SUNNY BRAE DR

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
7	474	62780	323068	M15S	4	6410	SUNNY BRAE DR
7	475	62780	202482	M15S	4	6413	SUNNY BRAE DR
7	476	62781	202370	M15S	4	6437	SUNNY BRAE DR
7	477	62781	322974	M15S	4	6428	SUNNY BRAE DR
7	478	62781	323030	M15S	4	6437	SUNNY BRAE DR
7	479	62781	322896	M15S	4	6440	SUNNY BRAE DR
7	480	62781	202138	M15S	4	6449	SUNNY BRAE DR
7	481	62781	201946	M15S	4	6450	SUNNY BRAE DR
7	482	62811	322783	M15S	4	6459	SUNNY BRAE DR
7	483	62811	201756	M15S	4	6462	SUNNY BRAE DR
7	484	62811	322672	M15S	4	6471	SUNNY BRAE DR
7	485	62811	201540	M15S	4	6474	SUNNY BRAE DR
7	486	62811	322554	M15S	4	6483	SUNNY BRAE DR
7	487	62811	201352	M15S	4	6512	SUNNY BRAE DR
7	488	62811	322402	M15S	4	6519	SUNNY BRAE DR
7	489	62812	322289	M15S	4	6529	SUNNY BRAE DR
7	490	62812	201105	M15S	4	6528	SUNNY BRAE DR
7	491	62812	200978	M15S	4	6539	SUNNY BRAE DR
7	492	62812	200869	M15S	4	6542	SUNNY BRAE DR
7	493	62812	322020	M15S	4	6549	SUNNY BRAE DR
7	494	62812	321920	M15S	4	6556	SUNNY BRAE DR
7	495	62783	203162	M15S	4	7032	MURRAY PARK DR
7	496	62783	203151	M15S	4	7046	MURRAY PARK DR
7	497	62783	203133	M15S	4	7060	MURRAY PARK DR
7	498	62783	203116	M15S	4	7074	MURRAY PARK DR
7	499	62782	323705	M15S	4	7083	MURRAY PARK DR
7	500	62782	203038	M15S	4	7088	MURRAY PARK DR
7	501	62782	203216	M15S	4	7107	MURRAY PARK DR
7	502	62782	202964	M15S	4	7112	MURRAY PARK DR
7	503	62782	323619	M15S	4	7117	MURRAY PARK DR
7	504	62782	323439	M15S	4	7124	MURRAY PARK DR
7	505	62782	203063	M15S	4	7127	MURRAY PARK DR
7	506	62782	323374	M15S	4	7136	MURRAY PARK DR
7	507	62782	202971	M15S	4	7137	MURRAY PARK DR
7	508	62810	202846	M15S	4	7147	MURRAY PARK DR
7	509	62810	323296	M15S	4	7148	MURRAY PARK DR
7	510	62810	202761	M15S	4	7157	MURRAY PARK DR
7	511	62810	323209	M15S	4	7160	MURRAY PARK DR
7	512	62810	202649	M15S	4	7167	MURRAY PARK DR
7	513	62810	323123	M15S	4	7174	MURRAY PARK DR
7	514	62810	202510	M15S	4	7177	MURRAY PARK DR
7	515	62810	202381	M15S	4	6403	GOLFCREST DR
7	516	62809	323022	M15S	4	6415	GOLFCREST DR

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
7	517	62809	322933	M15S	4	6418	GOLFCREST DR
7	518	62809	202123	M15S	4	6427	GOLFCREST DR
7	519	62809	201965	M15S	4	6432	GOLFCREST DR
7	520	62809	201971	M15S	4	6439	GOLFCREST DR
7	521	62809	201805	M15S	4	6446	GOLFCREST DR
7	522	62809	322717	M15S	4	6451	GOLFCREST DR
7	523	62808	201626	M15S	4	6463	GOLFCREST DR
7	524	62808	322557	M15S	4	6460	GOLFCREST DR
7	525	62808	201460	M15S	4	6475	GOLFCREST DR
7	526	62808	201385	M15S	4	6474	GOLFCREST DR
7	527	62808	322345	M15S	4	6487	GOLFCREST DR
7	528	62808	201186	M15S	4	6488	GOLFCREST DR
7	529	62808	322229	M15S	4	6505	GOLFCREST DR
7	530	62808	322146	M15S	4	6512	GOLFCREST DR
7	531	62807	322077	M15S	4	6521	GOLFCREST DR
7	532	62807	322007	M15S	4	6528	GOLFCREST DR
7	533	62807	200735	M15S	4	6535	GOLFCREST DR
7	534	62807	321853	M15S	4	6544	GOLFCREST DR
7	535	62807	200612	M15S	4	6547	GOLFCREST DR
8	536	62770	322011	M15S	4	6551	GREEN GABLES AV
8	537	62770	200714	M15S	4	6561	GREEN GABLES AV
8	538	62770	321808	M15S	4	6571	GREEN GABLES AV
8	539	62770	200478	M15S	4	6579	GREEN GABLES AV
8	540	62701	321355	M14S	4	6607	GREEN GABLES AV
8	541	62701	199802	M14S	4	6617	GREEN GABLES AV
8	542	62701	199639	M14S	4	6627	GREEN GABLES AV
8	543	62701	199460	M14S	4	6637	GREEN GABLES AV
8	544	62700	199336	M14S	4	6647	GREEN GABLES AV
8	545	62700	199100	M14S	4	6657	GREEN GABLES AV
8	546	62700	198992	M14S	4	6667	GREEN GABLES AV
8	547	62700	198780	M14S	4	6677	GREEN GABLES AV
8	548	62700	198643	M14S	4	6687	GREEN GABLES AV
8	549	62700	320288	M14S	4	7089	TEMPLE TR
8	550	62699	198409	M14S	4	6709	GREEN GABLES AV
8	551	62699	320104	M14S	4	6719	GREEN GABLES AV
8	552	62699	198118	M14S	4	7086	TEMPLE TR
8	553	62699	319951	M14S	4	6729	GREEN GABLES AV
8	554	62665	197948	M14S	4	7087	TUCKAWAY ST
8	555	62665	319878	M14S	4	6739	GREEN GABLES AV
8	556	62665	197812	M14S	4	6749	GREEN GABLES AV
8	557	62665	319632	M14S	4	6759	GREEN GABLES AV
8	558	62665	197626	M14S	4	6754	GREEN GABLES AV
8	559	62665	319555	M14S	4	6769	GREEN GABLES AV

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
8	560	62665	197559	M14S	4	6766	GREEN GABLES AV
8	561	62813	200673	M15S	4	6559	SUNNY BRAE DR
8	562	62813	200565	M15S	4	6568	SUNNY BRAE DR
8	563	62813	321770	M15S	4	6569	SUNNY BRAE DR
8	564	62813	200425	M15S	4	6579	SUNNY BRAE DR
8	565	62813	200426	M15S	4	6580	SUNNY BRAE DR
8	566	62706	321261	M14S	4	6605	SUNNY BRAE DR
8	567	62706	199896	M14S	4	6602	SUNNY BRAE DR
8	568	62706	321140	M14S	4	6613	SUNNY BRAE DR
8	569	62706	321132	M14S	4	6610	SUNNY BRAE DR
8	570	62706	321036	M14S	4	6618	SUNNY BRAE DR
8	571	62707	199535	M14S	4	6621	SUNNY BRAE DR
8	572	62707	320863	M14S	4	6626	SUNNY BRAE DR
8	573	62707	320846	M14S	4	6629	SUNNY BRAE DR
8	574	62707	320747	M14S	4	6634	SUNNY BRAE DR
8	575	62707	199196	M14S	4	6637	SUNNY BRAE DR
8	576	62707	199069	M14S	4	6642	SUNNY BRAE DR
8	577	62708	199040	M14S	4	6645	SUNNY BRAE DR
8	578	62708	320531	M14S	4	6650	SUNNY BRAE DR
8	579	62708	198865	M14S	4	6653	SUNNY BRAE DR
8	580	62708	320393	M14S	4	6658	SUNNY BRAE DR
8	581	62708	198697	M14S	4	6661	SUNNY BRAE DR
8	582	62708	320274	M14S	4	6666	SUNNY BRAE DR
8	583	62708	198581	M14S	4	6669	SUNNY BRAE DR
8	584	62709	320168	M14S	4	6674	SUNNY BRAE DR
8	585	62709	320175	M14S	4	6677	SUNNY BRAE DR
8	586	62709	320111	M14S	4	6682	SUNNY BRAE DR
8	587	62709	320067	M14S	4	6709	SUNNY BRAE DR
8	588	62709	319989	M14S	4	6710	SUNNY BRAE DR
8	589	62710	319950	M14S	4	6721	SUNNY BRAE DR
8	590	62710	319859	M14S	4	6722	SUNNY BRAE DR
8	591	62710	319840	M14S	4	6733	SUNNY BRAE DR
8	592	62710	197878	M14S	4	6734	SUNNY BRAE DR
8	593	62746	319512	M14S	4	6753	SUNNY BRAE DR
8	594	62746	319425	M14S	4	6754	SUNNY BRAE DR
8	595	62747	197362	M14S	4	6759	SUNNY BRAE DR
8	596	62747	319295	M14S	4	6764	SUNNY BRAE DR
8	597	62747	319314	M14S	4	6765	SUNNY BRAE DR
8	598	62747	319196	M14S	4	6771	SUNNY BRAE DR
8	599	62747	197048	M14S	4	6774	SUNNY BRAE DR
8	600	62806	200465	M15S	4	6559	GOLFCREST DR
8	601	62806	321706	M15S	4	6560	GOLFCREST DR
8	602	62806	200319	M15S	4	6575	GOLFCREST DR

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
8	603	62806	200320	M15S	4	6576	GOLFCREST DR
8	604	62712	321438	M14S	4	6591	GOLFCREST DR
8	605	62712	200145	M14S	4	6592	GOLFCREST DR
8	606	62712	200043	M14S	4	6597	GOLFCREST DR
8	607	62713	199817	M14S	4	6601	GOLFCREST DR
8	608	62713	321200	M14S	4	6604	GOLFCREST DR
8	609	62713	199710	M14S	4	6611	GOLFCREST DR
8	610	62713	321093	M14S	4	6612	GOLFCREST DR
8	611	62714	199465	M14S	4	6621	GOLFCREST DR
8	612	62714	320914	M14S	4	6620	GOLFCREST DR
8	613	62714	320775	M14S	4	6628	GOLFCREST DR
8	614	62714	199271	M14S	4	6629	GOLFCREST DR
8	615	62714	1140854	M14S	4	6637	GOLFCREST DR
8	616	62714	320663	M14S	4	6636	GOLFCREST DR
8	617	62714	320581	M14S	4	6642	GOLFCREST DR
8	618	62715	198912	M14S	4	6645	GOLFCREST DR
8	619	62715	320439	M14S	4	6650	GOLFCREST DR
8	620	62715	198801	M14S	4	6655	GOLFCREST DR
8	621	62715	198673	M14S	4	6658	GOLFCREST DR
8	622	62715	320332	M14S	4	6665	GOLFCREST DR
8	623	62715	198501	M14S	4	6668	GOLFCREST DR
8	624	62716	198454	M14S	4	6677	GOLFCREST DR
8	625	62716	198363	M14S	4	6678	GOLFCREST DR
8	626	62716	198196	M14S	4	6688	GOLFCREST DR
8	627	62716	198199	M14S	4	6693	GOLFCREST DR
8	628	62743	197576	M14S	4	6721	GOLFCREST DR
8	629	62743	197434	M14S	4	6722	GOLFCREST DR
8	630	62743	319454	M14S	4	6731	GOLFCREST DR
8	631	62743	319364	M14S	4	6732	GOLFCREST DR
8	632	62703	200380	M15S	4	7037	WANDERMERE DR
8	633	62703	200384	M15S	4	7053	WANDERMERE DR
8	634	62703	200388	M15S	4	7069	WANDERMERE DR
8	635	62703	200356	M15S	4	7085	WANDERMERE DR
8	636	62698	319974	M14S	4	7026	TEMPLE TR
8	637	62698	198318	M14S	4	7029	TEMPLE TR
8	638	62698	320016	M14S	4	7046	TEMPLE TR
8	639	62698	198373	M14S	4	7049	TEMPLE TR
8	640	62698	198224	M14S	4	7066	TEMPLE TR
8	641	62698	198419	M14S	4	7069	TEMPLE TR
8	642	62666	197704	M14S	4	7007	TUCKAWAY ST
8	643	62666	197589	M14S	4	7024	TUCKAWAY ST
8	644	62666	197735	M14S	4	7027	TUCKAWAY ST
8	645	62666	197640	M14S	4	7044	TUCKAWAY ST

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
8	646	62666	197791	M14S	4	7047	TUCKAWAY ST
8	647	62666	319623	M14S	4	7064	TUCKAWAY ST
8	648	62666	197842	M14S	4	7067	TUCKAWAY ST
8	649	62664	197181	M14S	4	7045	GLENFLORA AV
8	650	62664	319169	M14S	4	7054	GLENFLORA AV
8	651	62664	197222	M14S	4	7057	GLENFLORA AV
8	652	62664	319186	M14S	4	7062	GLENFLORA AV
8	653	62664	319356	M14S	4	7067	GLENFLORA AV
8	654	62664	197101	M14S	4	7070	GLENFLORA AV
8	655	62664	319377	M14S	4	6778	GREEN GABLES AV
8	656	62664	319229	M14S	4	7078	GLENFLORA AV
8	657	62749	319259	M14S	4	7102	GLENFLORA AV
8	658	62749	319275	M14S	4	7112	GLENFLORA AV
8	659	62749	197301	M14S	4	7115	GLENFLORA AV
8	660	62749	197173	M14S	4	7122	GLENFLORA AV
8	661	62748	376501	M14S	4	7132	GLENFLORA AV
8	662	62748	197401	M14S	4	7135	GLENFLORA AV
8	663	62748	319529	M14S	4	7145	GLENFLORA AV
8	664	62745	197757	M14S	4	6745	SUNNY BRAE DR
8	665	62745	319824	M14S	4	6698	GOLFCREST DR
8	666	62704		M14S			
8	667	62705		M14S			
9	668	62717	320157	M14S	4	7219	GLENFLORA AV
9	669	62719	198546	M14S	4	7227	GLENFLORA AV
9	670	62719	320264	M14S	4	7232	GLENFLORA AV
9	671	62719	198658	M14S	4	7240	GLENFLORA AV
9	672	62719	198877	M14S	4	7243	GLENFLORA AV
9	673	62719	320503	M14S	4	7248	GLENFLORA AV
9	674	62719	320623	M14S	4	7251	GLENFLORA AV
9	675	62721	199184	M14S	4	7259	GLENFLORA AV
9	676	62721	199143	M14S	4	7264	GLENFLORA AV
9	677	62721	199338	M14S	4	7267	GLENFLORA AV
9	678	62722	199452	M14S	4	7275	GLENFLORA AV
9	679	62722	199314	M14S	4	7272	GLENFLORA AV
9	680	62722	199390	M14S	4	7280	GLENFLORA AV
9	681	62722	321024	M14S	4	7283	GLENFLORA AV
9	682	62722	321089	M14S	4	7291	GLENFLORA AV
9	683	62718	198283	M14S	4	6640	CRAMPTON CT
9	684	62718	320020	M14S	4	6650	CRAMPTON CT
9	685	62718	320126	M14S	4	6655	CRAMPTON CT
9	686	62718	319992	M14S	4	6660	CRAMPTON CT
9	687	62718	319990	M14S	4	6670	CRAMPTON CT
9	688	62718	320029	M14S	4	6665	CRAMPTON CT

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
9	689	62720	320447	M14S	4	6632	SANDERS CT
9	690	62720	198774	M14S	4	6642	SANDERS CT
9	691	62720	198767	M14S	4	6639	SANDERS CT
9	692	62720	198863	M14S	4	6629	SANDERS CT
9	693	62754	199649	M14S	4	6601	LITTLER DR
9	694	62754	320947	M14S	4	6611	LITTLER DR
9	695	62754	320827	M14S	4	6621	LITTLER DR
9	696	62754	199166	M14S	4	6624	LITTLER DR
9	697	62755	199146	M14S	4	6631	LITTLER DR
9	698	62755	320502	M14S	4	6636	LITTLER DR
9	699	62755	198933	M14S	4	6641	LITTLER DR
9	700	62755	198742	M14S	4	6651	LITTLER DR
9	701	62586	198625	M14S	4	6661	LITTLER DR
9	702	62586	198443	M14S	4	6671	LITTLER DR
9	703	62586	198312	M14S	4	6681	LITTLER DR
9	704	62586	375093	M14S	4	7392	CASPER DR
9	705	62727	197489	M14S	4	6724	LEMA WY
9	706	62727	319557	M14S	4	7311	PLAYER DR
9	707	62727	319674	M14S	4	7323	PLAYER DR
9	708	62727	319616	M14S	4	7322	PLAYER DR
9	709	62727	197848	M14S	4	7335	PLAYER DR
9	710	62727	319734	M14S	4	7336	PLAYER DR
9	711	62757	198003	M14S	4	7347	PLAYER DR
9	712	62757	319843	M14S	4	7350	PLAYER DR
9	713	62757	320000	M14S	4	7359	PLAYER DR
9	714	62757	198070	M14S	4	7364	PLAYER DR
9	715	62757	320124	M14S	4	7371	PLAYER DR
9	716	62757	198255	M14S	4	7378	PLAYER DR
9	717	62756	320247	M14S	4	7383	PLAYER DR
9	718	62756	320180	M14S	4	7392	PLAYER DR
9	719	62756	198599	M14S	4	7395	PLAYER DR
9	720	62728	319418	M14S	4	6744	LEMA WY
9	721	62729	197133	M14S	4	7271	CASPER DR
9	722	62729	197075	M14S	4	7288	CASPER DR
9	723	62585	197684	M14S	4	7339	CASPER DR
9	724	62585	319573	M14S	4	7344	CASPER DR
9	725	62585	197794	M14S	4	7351	CASPER DR
9	726	62585	319681	M14S	4	7356	CASPER DR
9	727	62585	319827	M14S	4	7363	CASPER DR
9	728	62585	197866	M14S	4	7368	CASPER DR
9	729	62585	319923	M14S	4	7375	CASPER DR
9	730	62585	197962	M14S	4	7380	CASPER DR
9	731	62719		M14S			

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
10	732	62736	196179	M14S	4	7286	JACKSON DR
10	733	62736	196200	M14S	4	7280	JACKSON DR
10	734	62736	318630	M14S	4	7274	JACKSON DR
10	735	62734	196255	M14S	4	7268	JACKSON DR
10	736	62733	196279	M14S	4	7262	JACKSON DR
10	737	62733	196326	M14S	4	7256	GOLFCREST DR
10	738	62530	318518	M14S	4	6867	GOLFCREST DR
10	739	62531	195863	M14S	8	6867	GOLFCREST DR
10	740	5465219	195427	M14S	6	6884	GOLFCREST DR
10	741	62532	317987	M14S	6	6955	GOLFCREST DR
10	742	62532	195317	M14S	6	6884	GOLFCREST DR
10	743	62534	194597	M14S	4	7007	GOLFCREST DR
10	744	62539	194179	M14S	4	7107	NAVAJO RD
10	745	5465380	194184	M14S	6	7005	NAVAJO RD
10	746	62537	317083	M14S	4	7151	NAVAJO RD
10	747	62537	194293	M14S	6	7183	NAVAJO RD
10	748	62536	194352	M14S	6	7225	NAVAJO RD
10	749	62535	194350	M14S	4	Regional Park (Cowles Mtn)	
10	750	62531		M14S	6	6888	GOLFCREST DR
10	751	62530		M14S	4	7255	JACKSON DR
10	752	62532		M14S	4		
10	753	62734		M14S	4		
10	754	62734		M14S	4		
11	755	62554	317713	M14S	4	6954	CAMTO CURVA
11	756	62554	317738	M14S	4	6955	CAMTO CURVA
11	757	62554	317686	M14S	4	6960	CAMTO CURVA
11	758	62554	195021	M14S	4	6961	CAMTO CURVA
11	759	62554	194964	M14S	4	6967	CAMTO CURVA
11	760	62554	317616	M14S	4	6966	CAMTO CURVA
11	761	62554	317589	M14S	4	6972	CAMTO CURVA
11	762	62554	194921	M14S	4	6973	CAMTO CURVA
11	763	62554	194864	M14S	4	6977	CAMTO CURVA
11	764	62554	317512	M14S	4	6976	CAMTO CURVA
11	765	62554	194829	M14S	4	6981	CAMTO CURVA
11	766	62554	317496	M14S	4	6982	CAMTO CURVA
11	767	62554	194764	M14S	4	6985	CAMTO CURVA
11	768	62554	317444	M14S	4	6986	CAMTO CURVA
11	769	62554	194717	M14S	4	6989	CAMTO CURVA
11	770	62554	317428	M14S	4	6990	CAMTO CURVA
11	771	62554	194648	M14S	4	6993	CAMTO CURVA
11	772	62554	317357	M14S	4	6994	CAMTO CURVA
11	773	62554	317329	M14S	4	6998	CAMTO CURVA
11	774	62555	317871	M14S	4	6962	CAMTO ENTRADA

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
11	775	62555	317816	M14S	4	6964	CAMTO ENTRADA
11	776	62555	195151	M14S	4	6968	CAMTO ENTRADA
11	777	62555	195130	M14S	4	6970	CAMTO ENTRADA
11	778	62555	317734	M14S	4	6974	CAMTO ENTRADA
11	779	62555	195046	M14S	4	6976	CAMTO ENTRADA
11	780	62555	194980	M14S	4	6980	CAMTO ENTRADA
11	781	62555	317617	M14S	4	6982	CAMTO ENTRADA
11	782	62555	194876	M14S	4	6984	CAMTO ENTRADA
11	783	62555	317541	M14S	4	6988	CAMTO ENTRADA
11	784	62555	317500	M14S	4	6990	CAMTO ENTRADA
11	785	62555	194745	M14S	4	6994	CAMTO ENTRADA
11	786	62555	194690	M14S	4	6996	CAMTO ENTRADA
11	787	62556	317844	M14S	4	6960	CAMTO PERICO
11	788	62556	317851	M14S	4	6955	CAMTO PERICO
11	789	62556	195182	M14S	4	6962	CAMTO PERICO
11	790	62556	195158	M14S	4	6966	CAMTO PERICO
11	791	62556	195174	M14S	4	6961	CAMTO PERICO
11	792	62556	195109	M14S	4	6968	CAMTO PERICO
11	793	62556	195125	M14S	4	6967	CAMTO PERICO
11	794	62556	317727	M14S	4	6972	CAMTO PERICO
11	795	62556	317725	M14S	4	6971	CAMTO PERICO
11	796	62556	195025	M14S	4	6974	CAMTO PERICO
11	797	62556	194988	M14S	4	6977	CAMTO PERICO
11	798	62556	317654	M14S	4	6978	CAMTO PERICO
11	799	62556	317604	M14S	4	6982	CAMTO PERICO
11	800	62556	317595	M14S	4	6981	CAMTO PERICO
11	801	62556	194865	M14S	4	6986	CAMTO PERICO
11	802	62556	317545	M14S	4	6987	CAMTO PERICO
11	803	62556	194834	M14S	4	6990	CAMTO PERICO
11	804	62556	194799	M14S	4	6994	CAMTO PERICO
11	805	62556	317484	M14S	4	6991	CAMTO PERICO
11	806	62556	194746	M14S	4	6996	CAMTO PERICO
11	807	62556	194723	M14S	4	6995	CAMTO PERICO
11	808	62753	195282	M14S	4	6958	CAMTO ENTRADA
12	809	62559	195332	M14S	4	6954	CAMTO ENTRADA
12	810	62559	317932	M14S	4	6950	CAMTO ENTRADA
12	811	62559	195370	M14S	4	6951	CAMTO ENTRADA
12	812	62559	195395	M14S	4	6947	CAMTO ENTRADA
12	813	62559	317977	M14S	4	6946	CAMTO ENTRADA
12	814	62559	317998	M14S	4	6942	CAMTO ENTRADA
12	815	62559	195469	M14S	4	6943	CAMTO ENTRADA
12	816	62559	318043	M14S	4	6938	CAMTO ENTRADA
12	817	62563	318055	M14S	4	6939	CAMTO ENTRADA

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Lateral Spreadsheet

<u>Map Number</u>	<u>Lateral</u>	<u>Main FSN</u>	<u>Lateral FSN</u>	<u>Field Book Page</u>	<u>Lateral Size</u>	<u>Street Number</u>	<u>Street Name</u>
12	818	62563	318088	M14S	4	6935	CAMTO ENTRADA
12	819	62563	195582	M14S	4	6931	CAMTO ENTRADA
12	820	62563	318099	M14S	4	6934	CAMTO ENTRADA
12	821	62563	195606	M14S	4	6930	CAMTO ENTRADA
12	822	62563	195645	M14S	4	6927	CAMTO ENTRADA
12	823	62563	195647	M14S	4	6926	CAMTO ENTRADA
12	824	62563	318185	M14S	4	6923	CAMTO ENTRADA
12	825	62563	195674	M14S	4	6922	CAMTO ENTRADA
12	826	62563	195701	M14S	4	6918	CAMTO ENTRADA
12	827	62563	318233	M14S	4	6919	CAMTO ENTRADA
12	828	62563	318253	M14S	4	6915	CAMTO ENTRADA
12	829	62563	195760	M14S	4	6914	CAMTO ENTRADA
12	830	62562	318363	M14S	4	6911	CAMTO ENTRADA
12	831	62562	195907	M14S	4	6907	CAMTO ENTRADA
12	832	62562	195925	M14S	4	6903	CAMTO ENTRADA
12	833	62560	318225	M14S	4	6912	CAMTO CURVA
12	834	62560	318186	M14S	4	6916	CAMTO CURVA
12	835	62560	318170	M14S	4	6920	CAMTO CURVA
12	836	62560	318142	M14S	4	6924	CAMTO CURVA
12	837	62560	195593	M14S	4	6928	CAMTO CURVA
12	838	62560	318076	M14S	4	6932	CAMTO CURVA

APPENDIX N
SEWER MANHOLE AND CLEANOUT SPREADSHEETS

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Manhole and Cleanout Spreadsheet

<u>MAP SHEET NO.</u>	<u>MANHOLE FSN</u>	<u>MANHOLE ID</u>	<u>MANHOLE IE</u>	<u>MANHOLE DEPTH</u>	<u>MANHOLE METHOD</u>	<u>STREET NAME</u>	<u>GATE PAGE</u>	<u>INSTALLATION DATE</u>
1	123465	223	616.19	6	NEW MANHOLE	WANDERMERE DR	L14S	
1	123712	171	624.84	7	INSTALL CLEANOUT	BELLE HAVEN DR	L15S	
1	123795	279	613.24	6	NEW MANHOLE	LOCHMOOR DR	L15S	
1	123798	283	619.02	7	INSTALL CLEANOUT	MIRA VISTA LN	L15S	
1	123800	285	605.86	6	REHAB	LOCHMOOR DR & BELLE HAVEN DR	L15S	1/1/1963
1	123805	294	606.76	6	REHAB	WANDERMERE DR	L15S	1/1/1962
2	123779	260	568.91	8	REHAB	MURRAY PARK DR & CASSELBERRY WY	L15S	1/1/1963
2	123780	262	570.56	6	INSTALL CLEANOUT	MURRAY PARK DR	L15S	
2	123788	271	618.78	6	INSTALL CLEANOUT	CASSELBERRY WY	L15S	
2	123790	273	617.32	7	INSTALL CLEANOUT	PARK RIDGE BL	L15S	
3	123468	226	627.07	8	NEW MANHOLE	PARK RIDGE BL	L14S	
3	123469	227	626.91	8	NEW MANHOLE	PARK RIDGE BL	L14S	
3	123471	237	614.24	10	REPAIR	HYDE PARK DR	L14S	1/1/1962
3	129082	179	645.89	6	INSTALL CLEANOUT	CASSELBERRY WY	M14S	
3	129086	183	645.48	7	NEW MANHOLE	CASSELBERRY WY	M14S	
3	129133	232	640.83	7	REHAB	CASSELBERRY WY	M14S	1/1/1962
4	123781	263	567.45	7	INSTALL CLEANOUT	MURRAY PARK DR	L15S	
4	123782	264	566.93	8	REHAB	MURRAY PARK DR & BONNIE VIEW DR	L15S	1/1/1967
4	123783	265	569.74	7	REHAB	BONNIE VIEW DR	L15S	1/1/1967
4	123784	266	575.58	7	REHAB	BONNIE VIEW DR	L15S	1/1/1967
4	129166	1	603.03	7	INSTALL CLEANOUT	BONNIE VIEW DR	M15S	
4	129167	2	601.98	7	REHAB	BONNIE VIEW DR	M15S	1/1/1967
4	129168	3	599.39	8	REHAB	BONNIE VIEW DR	M15S	1/1/1967
4	129169	4	591.72	8	REHAB	BONNIE VIEW DR	M15S	1/1/1967
4	129170	5	568.89	7	REHAB	BELLE GLADE AV	M15S	1/1/1963
4	129171	6	570.68	7	INSTALL CLEANOUT	BELLE GLADE AV	M15S	
4	129173	8	575.85	12	REHAB	BELLE GLADE AV	M15S	1/1/1962
4	129184	19	583.31	7	INSTALL CLEANOUT	ELMCREST DR	M15S	
4	129197	32	555.38	11	REHAB	ELMCREST DR & MURRAY PARK DR	M15S	1/1/1962
4	129198	33	564.42	7	REHAB	MURRAY PARK DR & BELLE GLADE AV	M15S	1/1/1962
4	129199	34	570.86	7	REHAB	BELLE GLADE AV	M15S	1/1/1963
4	129200	35	565.56	13	REHAB	MURRAY PARK DR & MURRAY PARK CT	M15S	1/1/1963
4	129201	37	574.57	8	INSTALL CLEANOUT	MURRAY PARK CT	M15S	
4	129296	140	567.68	8	REHAB	BELLE GLADE AV	M15S	1/1/1963
5	129068	164	634.49	6	REHAB	TUCKAWAY ST	M14S	1/1/1962
5	129074	170	640.88	7	REHAB	GLENFLORA AV	M14S	1/1/1962
5	129083	180	635.73	7	INSTALL CLEANOUT	BONNIE VIEW DR	M14S	

Pipeline Rehabilitation AW-1 (B-18120) - Sewer Manhole and Cleanout Spreadsheet

<u>MAP SHEET NO.</u>	<u>MANHOLE FSN</u>	<u>MANHOLE ID</u>	<u>MANHOLE IE</u>	<u>MANHOLE DEPTH</u>	<u>MANHOLE METHOD</u>	<u>STREET NAME</u>	<u>GATE PAGE</u>	<u>INSTALLATION DATE</u>
5	129084	181	635.32	5	INSTALL CLEANOUT	BONNIE VIEW DR	M14S	
5	129089	188	622.66	8	REHAB	BONNIE VIEW DR	M14S	1/1/1962
5	129094	193	589.14	9	REHAB	WANDERMERE DR & BONNIE VIEW DR	M14S	1/1/1962
6	129079	175	647.11	7	REHAB	HYDE PARK DR & BELLE GLADE AV	M14S	1/1/1962
6	129080	176	649.6	6	INSTALL CLEANOUT	HYDE PARK DR	M14S	
7	129176	11	598.23	8	REHAB	BELLE GLADE LN	M15S	1/1/1963
7	129177	12	600.12	8	INSTALL CLEANOUT	BELLE GLADE LN	M15S	
7	129182	17	590.84	7	INSTALL CLEANOUT	GREEN GABLES CT	M15S	
7	129189	24	575.87	9	REHAB	SUNNY BRAE DR	M15S	1/1/1963
7	129190	25	565.91	6	REHAB	MURRAY PARK DR	M15S	1/1/1963
7	129196	31	550.86	14	REHAB	MURRAY PARK DR	M15S	1/1/1962
7	129205	41	575.36	7	REHAB	MURRAY PARK DR	M15S	1/1/1963
7	129214	50	599.77	8	REHAB	MURRAY PARK DR	M15S	1/1/1963
7	129215	51	591.97	7	REHAB	MURRAY PARK DR	M15S	1/1/1963
7	129216	52	583.46	7	REHAB	MURRAY PARK DR	M15S	1/1/1963
7	129217	53	581.92	9	REHAB	SUNNY BRAE DR	M15S	1/1/1963
7	129218	54	590.32	11	REHAB	SUNNY BRAE DR	M15S	1/1/1963
8	129066	162	642.79	6	NEW MANHOLE	TUCKAWAY ST	M14S	
8	129099	198	633.4	7	INSTALL CLEANOUT	TEMPLE TR	M14S	
8	129106	205	638.75	11	REPAIR	SUNNY BRAE DR	M14S	1/1/1962
8	129109	208	659.52	8	REHAB	SUNNY BRAE DR	M14S	1/1/1962
8	129111	210	625.3	0	INSTALL CLEANOUT	GOLFCREST DR	M14S	
8	129112	211	625.06	13	REHAB	GOLFCREST DR	M14S	1/1/1962
8	129115	214	666.31	8	INSTALL CLEANOUT	GOLFCREST DR	M14S	
8	129143	242	675.97	6	INSTALL CLEANOUT	SUNNY BRAE DR	M14S	
8	129146	245	673.15	6	INSTALL CLEANOUT	GOLFCREST DR	M14S	
8	129150	249	666.72	9	INSTALL CLEANOUT	SUNNY BRAE DR	M14S	
8	129151	250	650	6	NEW MANHOLE	GREEN GABLES AV	M14S	
8	129178	13	604.01	7	INSTALL CLEANOUT	GREEN GABLES AV	M15S	
8	129212	48	619	7	INSTALL CLEANOUT	GOLFCREST DR	M15S	
8	129213	49	614.25	8	REHAB	GOLFCREST DR	M15S	1/1/1963
8	129219	55	612.87	10	REHAB	SUNNY BRAE DR	M15S	1/1/1963
8	129220	56	621.21	11	INSTALL CLEANOUT	SUNNY BRAE DR	M15S	
9	129116	215	651.01	6	INSTALL CLEANOUT	GLENFLORA AV	M14S	
9	129117	216	651.01	9	INSTALL CLEANOUT	CRAMPTON CT	M14S	
9	129119	218	636.09	7	INSTALL CLEANOUT	SANDERS CT	M14S	
9	129128	227	639.85	7	NEW MANHOLE	PLAYER DR	M14S	

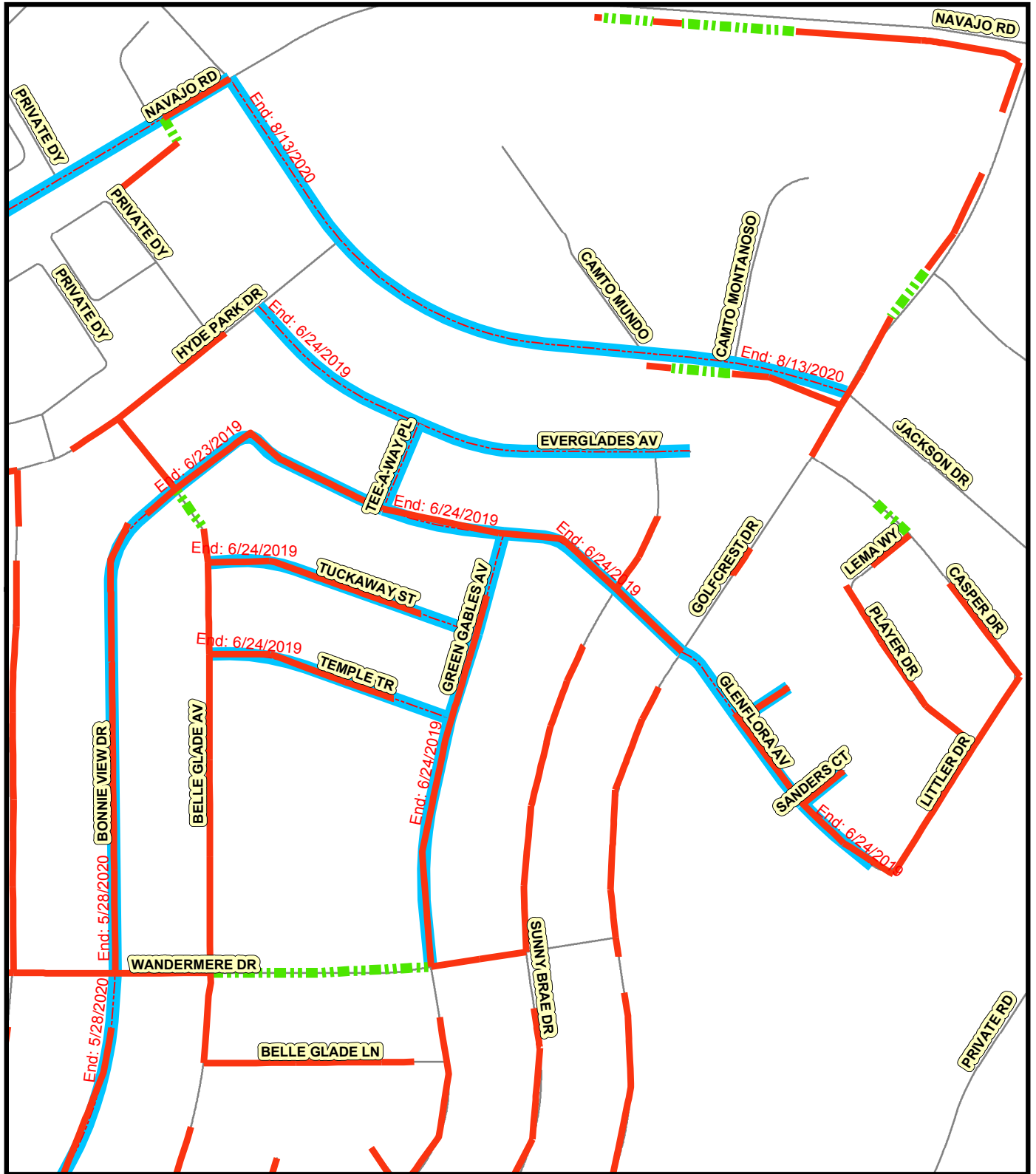
Pipeline Rehabilitation AW-1 (B-18120) - Sewer Manhole and Cleanout Spreadsheet

<u>MAP SHEET NO.</u>	<u>MANHOLE FSN</u>	<u>MANHOLE ID</u>	<u>MANHOLE IE</u>	<u>MANHOLE DEPTH</u>	<u>MANHOLE METHOD</u>	<u>STREET NAME</u>	<u>GATE PAGE</u>	<u>INSTALLATION DATE</u>
9	129129	228	636.66	6	INSTALL CLEANOUT	LEMA WY	M14S	
10	128939	27	650.17	8	REHAB	GOLFCREST DR	M14S	1/1/1962
10	128940	28	651.45	10	REHAB	GOLFCREST DR	M14S	1/1/1962
10	128945	33	682.61	9	REHAB	NAVAJO RD	M14S	1/1/1973
10	128946	35	685.79	9	INSTALL CLEANOUT	NAVAJO RD	M14S	
10	129134	233	637.51	10	REHAB	GOLFCREST DR	M14S	1/1/1962
10	129135	234	655.09	4	REHAB	JACKSON DR	M14S	1/1/1962
10	129136	235	661	6	REHAB	JACKSON DR	M14S	1/1/1962
10	129164	264	636.35	15	REHAB	GOLFCREST DR	M14S	1/1/1962
10	129165	265	637.06	5	REHAB	JACKSON DR & GOLFCREST DR	M14S	1/1/1962
11	128963	52	646.2	11	REHAB	CAMTO CURVA & CAMTO PEQUENA	M14S	1/1/1967
11	128964	53	633.5	9	REHAB	CAMTO ENTRADA & CAMTO PEQUENA	M14S	1/1/1967
12	128985	76	622.67	8	REHAB	EASEMENT	M14S	1/1/1963
12	128986	77	604.07	4	REHAB	EASEMENT	M14S	1/1/1963

REHAB	48
REPAIR	2
INSTALL CLEANOUT	30
NEW MANHOLE	8

APPENDIX O
MORATORIUM MAP

**PIPELINE REHABILITATION AW-1
 MORATORIUM MAP**



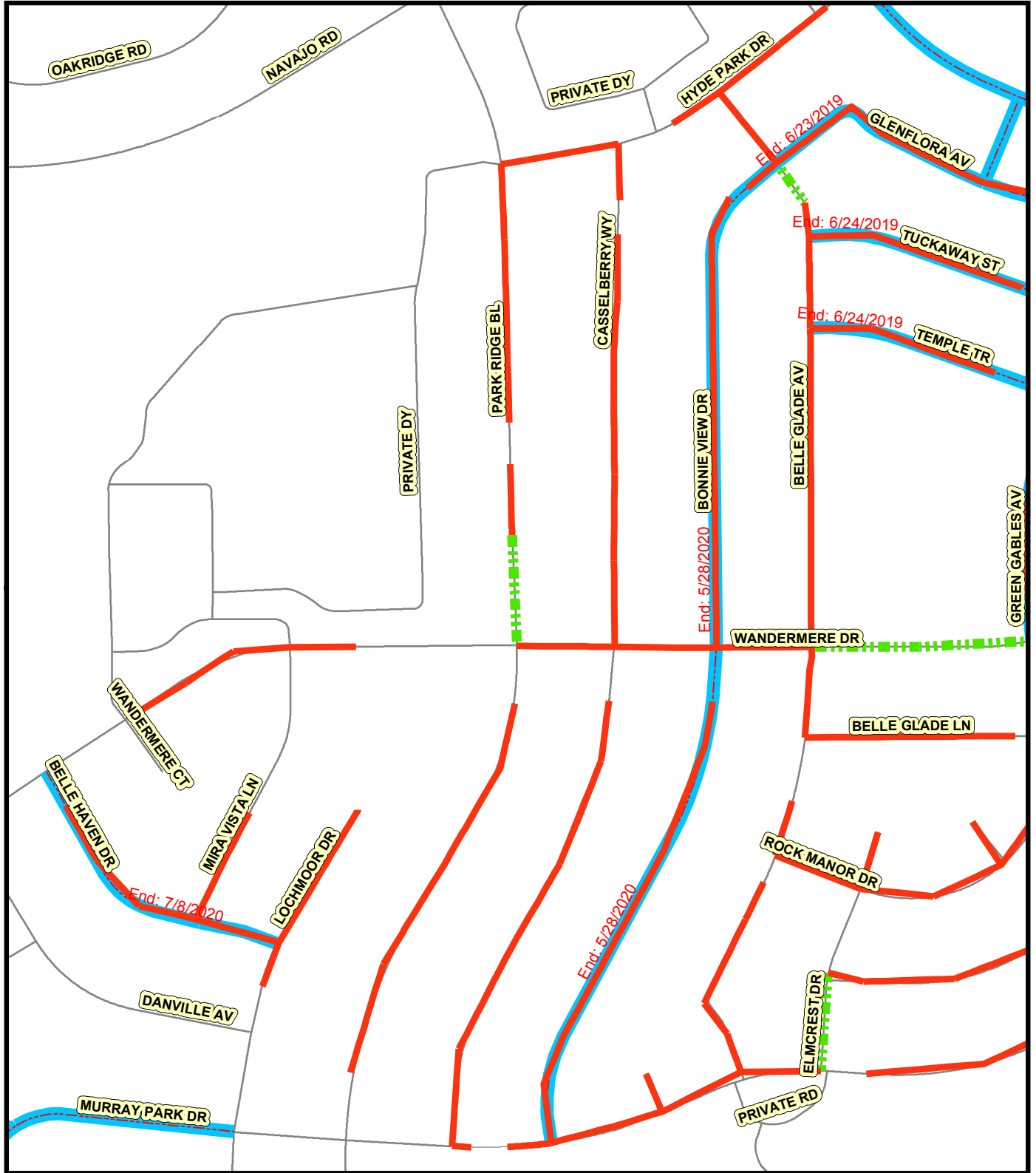
Legend

- Rehab Mains
- - - Moratorium
- - - Rehab Mains w/ Point Repair



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

**PIPELINE REHABILITATION AW-1
 MORATORIUM MAP**



Legend

- Rehab Mains
- Moratorium
- - - - Rehab Mains w/ Point Repair



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

ATTACHMENT F

RESERVED

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 AW-1; Bid No. K-19-1799-DBB-3**; in the amount of **Three Million Two Hundred Fifty Two Thousand Six Hundred Twenty Two Dollars and Twenty Cents (\$3,252,622.20)**, which is comprised of the Base Bid.

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

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) Phased Funding Schedule Agreement.
 - (e) That certain documents entitled **Pipeline Rehabilitation AW-1**, on file in the office of the Public Works Department as Document No. **B-18120**, 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 AW-1**, Bid Number **K-19-1799-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)

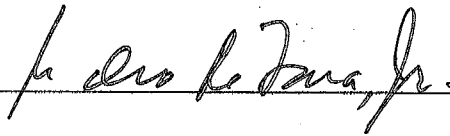
IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to Municipal Code Section 22.3102 authorizing such execution.

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

Mara W. Elliott, City Attorney

By 

By 

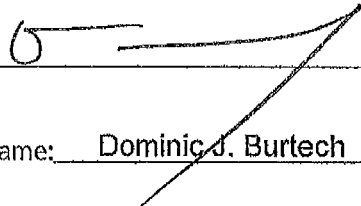
Print Name: Stephen Samara
Principal Contract Specialist
Public Works Department

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

Date: 5/31/2019

Date: 6/4/19

CONTRACTOR

By 

Print Name: Dominic J. Burtech

Title: President & CEO

Date: March 19, 2019

City of San Diego License No.: B1996002066

State Contractor's License No.: 718202

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000006324

CERTIFICATIONS AND FORMS

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

BIDDER'S GENERAL INFORMATION

To the City of San Diego:

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

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

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

State of California

County of San Diego

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

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

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

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

CONTRACTOR CERTIFICATION

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 AW-1
(Project Title or Task)

as particularly described in said contract and identified as Bid No. **K-19-1799-DBB-3**; SAP No. (WBS/IO/CC) **B-18120**; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

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

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

Dated this _____ DAY OF _____, _____.

By: _____
Contractor

ATTEST:

State of _____ County of _____

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

Notary Public in and for said County and State

LIST OF SUBCONTRACTORS

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

In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the California Public Contract Code (PCC), the Bidder is to list below the name, address and license number of each Subcontractor who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement, in an amount of or in excess of 0.5% of the Contractor's total Bid. Failure to comply with this requirement may result in the Bid being rejected as non-responsive. The Contractor is to list only one Subcontractor for each portion of the Work. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percentage of the Work to be performed with the Bidder's own forces. The Bidder is to also list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which the Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB [ⓐ]	WHERE CERTIFIED [ⓑ]	CHECK IF JOINT VENTURE PARTNERSHIP
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____								
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____								

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

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

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

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

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

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

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

- ① As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE,SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | | |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |

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

ELECTRONICALLY SUBMITTED FORMS

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

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

- A. BID BOND – See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions**
- B. CONTRACTOR’S CERTIFICATION OF PENDING ACTIONS**
- C. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**
- D. SUBCONTRACTOR LISTING (OTHER THAN FIRST TIER)**

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

BID BOND

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

KNOW ALL MEN BY THESE PRESENTS,

That 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 AW-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 21ST day of FEBRUARY, 20 19

BURTECH PIPELINE, INCORPORATED (SEAL)
(Principal)

NORTH AMERICAN
SPECIALTY INSURANCE COMPANY (SEAL)
(Surety)

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

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

(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 3/4/19 before me, Arthur P. Arquilla, Notary Public,
(Here insert name and title of the officer)

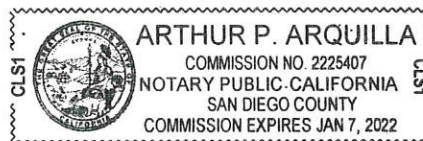
personally appeared Dominic Burtch,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s)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

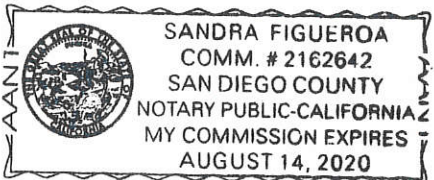
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of SAN DIEGO }

On 2/21/2019 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.



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 *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

- 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 9th of May, 2012:

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

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



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



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

IN WITNESS WHEREOF, North American Specialty Insurance Company and Washington International Insurance Company have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 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 21st day of FEBRUARY, 2019.

[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.

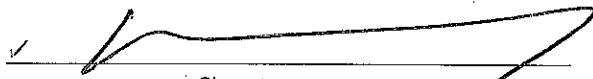
- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.

- 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


Signature Date MARCH 5, 2019

USE ADDITIONAL FORMS AS NECESSARY

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Legal Name	DBA		
<u>BURTECH PIPELINE INCORPORATED</u>	<u>N/A</u>		
Street Address	City	State	Zip
<u>102 SECOND STREET,</u>	<u>ENCINITAS,</u>	<u>CA</u>	<u>92024</u>
Contact Person, Title	Phone	Fax	
<u>DOMINIC J. BURTECH, President & CEO</u>	<u>(760) 634-2822</u>	<u>(760) 634-2415</u>	

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 & CEO</u>
Name	Title/Position

<u>ENCINITAS, CALIFORNIA</u>	
City and State of Residence	Employer (if different than Bidder/Proposer)
<u>51%</u>	

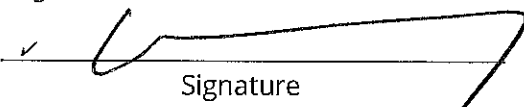
<u>Interest in the transaction</u>	
<u>JULIE J. BURTECH</u>	<u>EXEC. VP & SECRETARY</u>
Name	Title/Position

<u>ENCINITAS, CALIFORNIA</u>	
City and State of Residence	Employer (if different than Bidder/Proposer)
<u>49%</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 & CEO</u>		<u>3/5/19</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.

SUBCONTRACTOR LISTING
(OTHER THAN FIRST TIER)

Pursuant to California Senate Bill 96 and in accordance with the requirements of Labor Code sections 1771.1 and 1725.5, by submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the California Department of Industrial Relations (DIR). **The Bidder is to list below the name, address, license number, DIR registration number of any (known tiered subcontractor) - who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement pursuant to the contract. If none are known at this time, mark the table below with non-applicable (N/A).**

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	DIR REGISTRATION NUMBER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____				

**** USE ADDITIONAL FORMS AS NECESSARY ****

BURTECH PIPELINE INC.

Bid Results

Bidder Details

Vendor Name Burtech Pipeline Incorporated
Address 102 Second Street
 Encinitas, CA 92024
 United States
Respondee BUDDY AQUINO
Respondee Title CHIEF ESTIMATOR
Phone 760-634-2822 Ext.
Email buddy@burtechpipeline.com
Vendor Type PQUAL,CADIR,Local
License # 718202
CADIR 1000006324

Bid Detail

Bid Format Electronic
Submitted March 5, 2019 1:17:55 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 169100
Ranking 0

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
Contractors Certification of Pending Actions	Contractors Certification of Pending Actions.pdf	Contractors Cert of Pending Actions
Mandatory Disclosures of Business Interests	Mandatory Disclosures of Business Interests.pdf	Mandatory Disclosure of Business Interests Form
Subcontractor Listing-Other than First Tier	Subcontractor Listing-Other than First Tier.pdf	Subcontractor Listing (Other Than 1st Tier)
Bid Bond	Bid Bond.pdf	Bid Bond

Line Items

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
Main Bid						
1	Bonds (Payment and Performance)					
	524126	LS	1	\$24,000.00	\$24,000.00	
2	Sewage Bypass and Pumping Plan (Diversion Plan)					
	237110	LS	1	\$2,500.00	\$2,500.00	
3	WPCP Development					
	541330	LS	1	\$750.00	\$750.00	
4	WPCP Implementation					
	237110	LS	1	\$1,500.00	\$1,500.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
5	Video Recording of Existing Conditions					
	238990	LS	1	\$2,500.00	\$2,500.00	
6	Mobilization					
	237110	LS	1	\$21,000.00	\$21,000.00	
7	Field Orders (EOC Type II)					
		AL	1	\$187,124.00	\$187,124.00	
8	Imported Backfill for Trench					
	237310	TON	762	\$1.00	\$762.00	
9	Rubber Polymer Modified Slurry (RPMS) Type I					
	237310	SF	4470	\$4.72	\$21,098.40	
10	Rubber Polymer Modified Slurry (RPMS) Type II					
	237310	SF	4470	\$4.74	\$21,187.80	
11	Colored Stamped Concrete Raised Median					
	237310	SF	420	\$35.00	\$14,700.00	
12	Temporary Resurfacing					
	237310	TON	85	\$1.00	\$85.00	
13	Manholes (4 ft x 3 ft)					
	237110	EA	8	\$10,000.00	\$80,000.00	
14	Sewer Lateral and Cleanout (4 Inch)					
	237110	EA	20	\$3,000.00	\$60,000.00	
15	Sewer Lateral and Cleanout (6 Inch)					
	237110	EA	2	\$3,500.00	\$7,000.00	
16	Sewer Main Cleanout (8-inch)					
	237110	EA	30	\$4,500.00	\$135,000.00	
17	Sewer Lateral Connections					
	237110	EA	20	\$10.00	\$200.00	
18	Cleaning and Video Inspection of Existing Pipelines and Culverts					
	237110	LF	39312	\$1.00	\$39,312.00	
19	Cleaning and Video Inspection of Existing Laterals					
	237110	EA	838	\$5.00	\$4,190.00	
20	Video Inspection of Pipelines and Culverts for Acceptance					
	237110	LF	39312	\$0.50	\$19,656.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
21	Striping					
	237310	LF	900	\$3.45	\$3,105.00	
22	Rehabilitate Sewer Main (8 Inch)					
	237110	LF	39312	\$21.00	\$825,552.00	
23	Point Repair for Existing Sewer Main (8 Inch)					
	237110	EA	12	\$2,300.00	\$27,600.00	
24	Additional Point Repair for Existing Sewer Main (8 Inch)					
	237110	LF	2	\$10.00	\$20.00	
25	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth (4-Inch)					
	237110	EA	182	\$1,745.00	\$317,590.00	
26	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth (4-Inch)					
	237110	EA	562	\$1,325.00	\$744,650.00	
27	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth (6-Inch)					
	237110	EA	1	\$1,745.00	\$1,745.00	
28	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth (6-Inch)					
	237110	EA	8	\$1,350.00	\$10,800.00	
29	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth (8-Inch)					
	237110	EA	1	\$1,350.00	\$1,350.00	
30	Rehabilitate Existing Manhole					
	237110	EA	50	\$1,525.00	\$76,250.00	
31	Service Lateral Connection (4-inch)					
	237110	EA	828	\$700.00	\$579,600.00	
32	Service Lateral Connection (6-inch)					
	237110	EA	9	\$1,135.00	\$10,215.00	
33	Service Lateral Connection (8-inch)					
	237110	EA	1	\$2,080.00	\$2,080.00	
34	Traffic Control					
	237310	LS	1	\$6,500.00	\$6,500.00	
35	Traffic Control Design (Working Drawings)					
	541330	LS	1	\$3,000.00	\$3,000.00	
Subtotal					\$3,252,622.20	
Total					\$3,252,622.20	

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
Precision Striping, Inc. 131 Harbison Canyon Rd. El Cajon, CA 92019 United States	Bid Item 21 - Striping	1026547 PlanetBids, Inc.	1000051515	\$2,700.00	CADIR

Pipeline Rehabilitation AW-1 (K-19-1799-DBB-3), bidding on March 5, 2019 2:00 PM (Pacific)

Printed 05/30/2019

Bid Results

Name & Address	Description	License Num	CADIR	Amount	Type
McGrath Consulting PO BOX 2488 El Cajon, CA 92021 United States	Bid Item 3 - WPCP Development	ELBE	1000037165	\$650.00	ELBE,CADIR
American Asphalt South, Inc. PO Box 310036 14436 Santa Ana Ave Fontana, CA 92331 United States	Bid Items 9 & 10 for RPMS	784969	1000000645	\$42,286.20	CAU,MALE,CADIR,P QUAL
Zebtron P.O. Box 2874 Newport Beach, CA 92659 United States	Bid Item 30 - Rehabilitate existing Manhole	855170	1000004993	\$76,250.00	
Nu-Line Technologies, LLC 102 Second Street, Suite B Encinitas, CA 92024 United States	Cleaning, CCTV Inspections and Rehabilitation of Sewer Mains	997520	1000003808	\$886,485.60	FEM,MBE,CADIR,W BE
YBS CONCRETE INC. PO BOX 1197 CHULA VISTA, CA 91911 United States	Colored Stamped Raised Median and Sidewalk Replacements for Lateral Lining	885270	1000005182	\$179,637.50	CADIR,LAT,MALE,S LBE
Rectrucking inc 1128 2nd ave Chula vista, CA 91911 United States	Trucking; DMV MCP CA# 439696	Trucking; DMV MCP CA# 439696	1000058932	\$42,000.00	ELBE,LAT,MALE
Alvarez And Shaw, Inc 13080 Hwy 8 Business el cajon, CA 92021 United States	Bid Items 14, 15, 16, 17, 23 & 24	986171	1000052129	\$162,320.00	LAT,MALE,ELBE,DB E,MBE,CADIR,SDB
California Asphalt Paving and Grading 674 Alagria pl. Chula Vista, CA 91910 United States	Asphalt Paving Scopes for Manholes, Cleanouts, Sewer Laterals & Point Repairs	1033358	1000062521	\$95,000.00	ELBE,LAT,MALE

Line Totals (Unit Price * Quantity)								
Item Num	Section	Item Code	Description	Reference	Unit of Measure	Quantity	Burtech Pipeline Incorporated - Unit Price	Burtech Pipeline Incorporated - Line Total
1	Main Bid	524126	Bonds (Payment and Performance)	2-4.1	LS	1	\$24,000.00	\$24,000.00
2	Main Bid	237110	Sewage Bypass and Pumping Plan (Diversion Plan)	7-8.5.4	LS	1	\$2,500.00	\$2,500.00
3	Main Bid	541330	WPCP Development	7-8.6.4.2	LS	1	\$750.00	\$750.00
4	Main Bid	237110	WPCP Implementation	7-8.6.4.2	LS	1	\$1,500.00	\$1,500.00
5	Main Bid	238990	Video Recording of Existing Conditions	7-9.1.1	LS	1	\$2,500.00	\$2,500.00
6	Main Bid	237110	Mobilization	9-3.4.1	LS	1	\$21,000.00	\$21,000.00
7	Main Bid		Field Orders (EOC Type II)	9-3.5	AL	1	\$187,124.00	\$187,124.00
8	Main Bid	237310	Imported Backfill for Trench	302-3.2	TON	762	\$1.00	\$762.00
9	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type I	302-4.12.4	SF	4470	\$4.72	\$21,098.40
10	Main Bid	237310	Rubber Polymer Modified Slurry (RPMS) Type II	302-4.12.4	SF	4470	\$4.74	\$21,187.80

11	Main Bid	237310	Colored Stamped Concrete Raised Median	303-6.5	SF	420	\$35.00	\$14,700.00
12	Main Bid	237310	Temporary Resurfacing	306-15.9	TON	85	\$1.00	\$85.00
13	Main Bid	237110	Manholes (4 ft x 3 ft)	306-16.6	EA	8	\$10,000.00	\$80,000.00
14	Main Bid	237110	Sewer Lateral and Cleanout (4 Inch)	306-17.2	EA	20	\$3,000.00	\$60,000.00
15	Main Bid	237110	Sewer Lateral and Cleanout (6 Inch)	306-17.2	EA	2	\$3,500.00	\$7,000.00
16	Main Bid	237110	Sewer Main Cleanout (8-inch)	306-17.2	EA	30	\$4,500.00	\$135,000.00
17	Main Bid	237110	Sewer Lateral Connections	306-17.2	EA	20	\$10.00	\$200.00
18	Main Bid	237110	Cleaning and Video Inspection of Existing Pipelines and Culverts	306-18.7	LF	39312	\$1.00	\$39,312.00
19	Main Bid	237110	Cleaning and Video Inspection of Existing Laterals	306-18.7	EA	838	\$5.00	\$4,190.00
20	Main Bid	237110	Video Inspection of Pipelines and Culverts for Acceptance	306-18.7	LF	39312	\$0.50	\$19,656.00

21	Main Bid	237310	Striping	314-4.3.6	LF	900	\$3.45	\$3,105.00
22	Main Bid	237110	Rehabilitate Sewer Main (8 Inch)	500-1.1.9	LF	39312	\$21.00	\$825,552.00
23	Main Bid	237110	Point Repair for Existing Sewer Main (8 Inch)	500-1.2.7	EA	12	\$2,300.00	\$27,600.00
24	Main Bid	237110	Additional Point Repair for Existing Sewer Main (8 Inch)	500-1.2.7	LF	2	\$10.00	\$20.00
25	Main Bid	237110	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth (4-Inch)	500-1.6.6	EA	182	\$1,745.00	\$317,590.00
26	Main Bid	237110	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth (4-Inch)	500-1.6.6	EA	562	\$1,325.00	\$744,650.00
27	Main Bid	237110	Service Lateral Rehabilitation with Cleanout up to 7 ft in Depth (6-Inch)	500-1.6.6	EA	1	\$1,745.00	\$1,745.00
28	Main Bid	237110	Service Lateral Rehabilitation with Cleanout greater than 7 ft in Depth (6-Inch)	500-1.6.6	EA	8	\$1,350.00	\$10,800.00

