

City of San Diego

CONTRACTOR'S NAME: L C Paving & Sealing, Inc.
ADDRESS: 620 Alpine Way, Escondido, CA 92029
TELEPHONE NO.: 760-752-1743 **FAX NO.:**
CITY CONTACT: Rosa I. Riego, Senior Contract Specialist, Email: RRiego@sandiego.gov
Phone No. (619) 533-3426
A. Saleh / A. Jaro / K. Stewart

BIDDING DOCUMENTS



FOR

CURB RAMP IMPROVEMENT GROUP 1701

BID NO.: K-22-2069-DBB-3
SAP NO. (WBS/IO/CC): B-17114
CLIENT DEPARTMENT: 2116
COUNCIL DISTRICT: 3, 8
PROJECT TYPE: IJ

THIS CONTRACT WILL BE SUBJECT TO THE FOLLOWING:

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

BID DUE DATE:

2:00 PM

FEBRUARY 04, 2022

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:

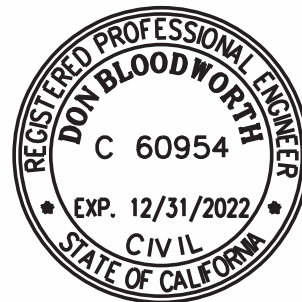
Don Bloodworth

1) Registered Engineer

12/6/21

Date

Seal:



[Signature]

2) For City Engineer

12/06/2021

Date



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REQUIRED DOCUMENTS SCHEDULE DURING BIDDING AND AWARDING

The Bidder's attention is directed to the City's Municipal Code §22.0807(e), (3)-(5) for important information regarding grounds for debarment for failure to submit required documentation.

The specified Equal Opportunity Contracting Program (EOCP) forms are available for download from the City's web site at:

<http://www.sandiego.gov/eoc/forms/index.shtml>

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
1.	Bid Bond (PDF via PlanetBids)	At Time of Bid	ALL BIDDERS
2.	Contractors Certification of Pending Actions	At Time of Bid	ALL BIDDERS
3.	Mandatory Disclosure of Business Interests	At Time of Bid	ALL BIDDERS
4.	Debarment and Suspension Certification for Prime Contractors	At Time of Bid	ALL BIDDERS
5.	Debarment and Suspension Certification for Subcontractors, Suppliers & Mfgs	At Time of Bid	ALL BIDDERS
6.	Bid Bond (Original)	By 5PM 3 working days after bid opening	ALL BIDDERS
7.	SLBE Good Faith Effort Documentation	By 5 PM 3 working days after bid opening	ALL BIDDERS
8.	Form AA60 – List of Work Made Available	By 5 PM 3 working days after bid opening with Good Faith Effort (GFE) documentation	ALL BIDDERS
9.	If the Contractor is a Joint Venture: <ul style="list-style-type: none"> • Joint Venture Agreement • Joint Venture License 	Within 10 working days of receipt by bidder of contract forms	AWARDED BIDDER
10.	Payment & Performance Bond; Certificates of Insurance & Endorsements; and Signed Contract Agreement Page	Within 10 working days of receipt by bidder of contract forms and NOI	AWARDED BIDDER

ITEM	DOCUMENT TO BE SUBMITTED	WHEN DUE	FROM
11.	Listing of "Other Than First Tier" Subcontractors	Within 10 working days of receipt by bidder of contract forms	AWARDED BIDDER

NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **Curb Ramp Improvement Group 1701**. For additional information refer to Attachment A.
2. **FULL AND OPEN COMPETITION:** This solicitation is subject to full and open competition and may be bid by Contractors on the City's approved 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 **\$1,620,000.00**.
4. **BID DUE DATE AND TIME ARE: FEBRUARY 04, 2022 AT 2:00 PM**
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: **A**
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	11.0%
2. ELBE participation	12.7%
3. Total mandatory participation	23.7%
 - 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 (GFE) documentation, saved in searchable Portable Document Format (PDF), demonstrating the Bidder made a good faith effort to conduct outreach to and include SLBE-ELBE Subcontractors as required in this solicitation by 5 PM 3 Working Days after the Bid opening if the overall mandatory participation percentage is not met.

All submittals in searchable PDF shall be submitted electronically within the prescribed time identified in the contract documents via PlanetBids by invitation to the point of contact named in the bid provided by the Contract Specialist to all bidders.

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.
- 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 Purchasing & Contracting 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:

RRiego@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.

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>
- 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, EOCB compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.
- 2.6. **RECAPITULATION OF THE WORK.** Bids shall not contain any recapitulation of the Work. Conditional Bids may be rejected as being non-responsive. Alternative proposals will not be considered unless called for.

2.7. BIDS MAY BE WITHDRAWN by the Bidder only up to the bid due date and time.

2.7.1. Important Note: Submission of the electronic bid into the system may not be instantaneous. Due to the speed and capabilities of the user's internet service provider (ISP), bandwidth, computer hardware and other variables, it may take time for the bidder's submission to upload and be received by the City's eBidding system. It is the bidder's sole responsibility to ensure their bids are received on time by the City's eBidding system. The City of San Diego is not responsible for bids that do not arrive by the required date and time.

2.8. ACCESSIBILITY AND AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE: To request a copy of this solicitation in an alternative format, contact the Purchasing & Contracting Department, Public Works Division 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>

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 5-4, “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/	2018	PWPI010119-01
City of San Diego Standard Specifications for Public Works Construction (“The WHITEBOOK”)* https://www.sandiego.gov/ecp/edocref/greenbook	2018	PWPI010119-02
City of San Diego Standard Drawings* https://www.sandiego.gov/ecp/edocref/standarddraw	2018	PWPI010119-03
Citywide Computer Aided Design and Drafting (CADD) Standards https://www.sandiego.gov/ecp/edocref/drawings	2018	PWPI010119-04
California Department of Transportation (CALTRANS) Standard Specifications https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications	2018	PWPI030119-05

Title	Edition	Document Number
CALTRANS Standard Plans https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications	2018	PWPI030119-06
California Manual on Uniform Traffic Control Devices Revision 6 (CA MUTCD Rev 6) https://dot.ca.gov/programs/safety-programs/camutcd/camutcd-files	2014	PWPI060121-10
<p>NOTE: *Available online under Engineering Documents and References at: https://www.sandiego.gov/ecp/edocref/</p> <p>*Electronic updates to the Standard Drawings may also be found in the link above</p>		

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 – Section 3-2, “Self-Performance”, 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 4-6, “Trade Names” 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 3-2, "SELF-PERFORMANCE" 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 Purchasing & Contracting Department, Public Works Division.
- 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. By 5PM, 3 working days after the bid opening date, all 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 by 5PM, 3 working days after the bid opening date shall cause the bid to be rejected and deemed **non-responsive**.

Due to circumstances related to Covid-19, until further notice, all original bid bond submittals must be received by 5 PM, 3 working days after bid opening.

Upon circumstances returning to normal business as usual, the original bid bond shall once again be due by 5 PM the day after bid opening.

Original Bid Bond shall be submitted to:
Purchasing & Contracting Department, Public Works Division
525 B Street, Suite 750 (7th Floor)
San Diego, California, 92101
To the Attention of the Contract Specialist on the Front Page of this solicitation.

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 by 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 3-9, "TECHNICAL STUDIES AND SUBSURFACE DATA", 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 herein and in the Notice of Intent to 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:

L C Paving & Sealing, Inc., a corporation, as principal, and **Argonaut 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 **One Million Four Hundred Ninety-Nine Thousand Two Hundred Twenty-Nine Dollars and Eight Cents (\$1,499,229.08)** for the faithful performance of the annexed contract, and in the sum of **One Million Four Hundred Ninety-Nine Thousand Two Hundred Twenty-Nine Dollars and Eight Cents (\$1,499,229.08)** 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.

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

The Surety expressly agrees that the City of San Diego may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Principal.


The Surety shall not utilize the Principal in completing the improvements and work specified in the Agreement in the event the City terminates the Principal for default.

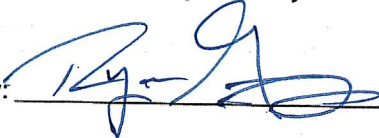
PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND (continued)

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

Mara W. Elliott, City Attorney

By: 

By: 

Print Name: Stephen Samara
Principal Contract Specialist
Purchasing & Contracting Department

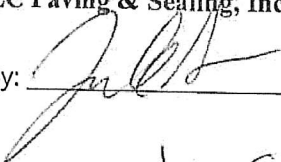
Print Name: RYAN P. GERRITY
Deputy City Attorney

Date: 5-9-2022

Date: 5/10/2022

CONTRACTOR
LC Paving & Sealing, Inc.

SURETY
Argonaut Insurance Company

By: 

By: 
Attorney-In-Fact

Print Name: Jose Salinas

Print Name: Stephanie Hope Shear

Date: 3-29-2022

Date: March 24, 2022

c/o CMGIA, 20335 Ventura Blvd., Ste 426
Woodland Hills, CA 91364

Local Address of Surety

(866)363-2642

Local Phone Number of Surety

\$18,492.00

Premium

CMGP00005425

Bond Number

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 March 29, 2022 before me, MARISA HAAS, NOTARY PUBLIC
(insert name and title of the officer)

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

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

WITNESS my hand and official seal.

Signature

(Seal)



**Argonaut Insurance Company
Deliveries Only: 225 W. Washington, 24th Floor
Chicago, IL 60606**

**United States Postal Service: P.O. Box 469011, San Antonio, TX 78246
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the Argonaut Insurance Company, a Corporation duly organized and existing under the laws of the State of Illinois and having its principal office in the County of Cook, Illinois does hereby nominate, constitute and appoint:

Gabriella Grady, Shilo Lee Losino, Stephanie Hope Shear, Elizabeth Santos, Stacey Garcia, Matthew Dionisio

Their true and lawful agent(s) and attorney(s)-in-fact, each in their separate capacity if more than one is named above, to make, execute, seal and deliver for and on its behalf as surety, and as its act and deed any and all bonds, contracts, agreements of indemnity and other undertakings in suretyship provided, however, that the penal sum of any one such instrument executed hereunder shall not exceed the sum of:

\$15,000,000.00

This Power of Attorney is granted and is signed and sealed under and by the authority of the following Resolution adopted by the Board of Directors of Argonaut Insurance Company:

"RESOLVED, That the President, Senior Vice President, Vice President, Assistant Vice President, Secretary, Treasurer and each of them hereby is authorized to execute powers of attorney, and such authority can be executed by use of facsimile signature, which may be attested or acknowledged by any officer or attorney, of the Company, qualifying the attorney or attorneys named in the given power of attorney, to execute in behalf of, and acknowledge as the act and deed of the Argonaut Insurance Company, all bond undertakings and contracts of suretyship, and to affix the corporate seal thereto."

IN WITNESS WHEREOF, Argonaut Insurance Company has caused its official seal to be hereunto affixed and these presents to be signed by its duly authorized officer on the 1st day of June, 2021.

Argonaut Insurance Company



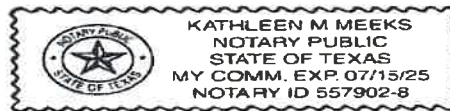
by: _____

Joshua C. Betz, Senior Vice President

STATE OF TEXAS
COUNTY OF HARRIS SS:

On this 1st day of June, 2021 A.D., before me, a Notary Public of the State of Texas, in and for the County of Harris, duly commissioned and qualified, came THE ABOVE OFFICER OF THE COMPANY, to me personally known to be the individual and officer described in, and who executed the preceding instrument, and he acknowledged the execution of same, and being by me duly sworn, deposed and said that he is the officer of the said Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and the said Corporate Seal and his signature as officer were duly affixed and subscribed to the said instrument by the authority and direction of the said corporation, and that Resolution adopted by the Board of Directors of said Company, referred to in the preceding instrument is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand, and affixed my Official Seal at the County of Harris, the day and year first above written.



(Notary Public)

I, the undersigned Officer of the Argonaut Insurance Company, Illinois Corporation, do hereby certify that the original POWER OF ATTORNEY of which the foregoing is a full, true and correct copy is still in full force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand, and affixed the Seal of said Company, on the 24th day of March, 2022.



James Bluzard, Vice President-Surety

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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

State of California)
County of Los Angeles)

On MAR 24 2022 before me, Lucas Patterson, Notary Public
Date Here Insert Name and Title of the Officer
personally appeared Stephanie Hope Shear
Name(s) of Signer(s)

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

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

WITNESS my hand and official seal.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document

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

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____ 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 or Conservator Trustee Guardian or Conservator
 Other: _____ Other: _____
Signer Is Representing: _____ Signer Is Representing: _____

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** The project will improve accessibility and mobility by upgrading non-ADA compliant corners where feasible to current directional curb ramp standards at 54 intersections throughout downtown San Diego. This project proposes installations of new directional curb ramps with detectable warning tiles to replace non-compliant corners within the Right of Way. The work to be done includes demolition and removal of existing curb and gutter, non-compliant ramps, and sidewalks affected by the curb ramp installation. It also includes installation/replacement of traffic signal push button poles as they relate to installation of directional curb ramps and continental crosswalks where required. The project is in the Downtown Community Area and CD 3 and 8.
 - 1.1. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids and Plans numbered **40677-01-D** through **40677-74-D**, inclusive.
2. **LOCATION OF WORK:** The location of the Work is as follows:

Appendix E - Location Map.
3. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **180 Working Days**.

ATTACHMENT B

RESERVED

ATTACHMENT C
RESERVED

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 1.11 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 **2018 Edition** of the Standard Specifications for Public Works Construction (The "GREENBOOK").
2. The **2018 Edition** of the City of San Diego Standard Specifications for Public Works Construction (The "WHITEBOOK"), including the following:
 - a) General Provisions (A) for all Construction Contracts.

PART 0 – EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP)

SECTION A – GENERAL REQUIREMENTS

0-12 CONTRACT RECORDS AND REPORTS. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall maintain records of all subcontracts and invoices from your Subcontractors and Suppliers for work on this project. Records shall show name, telephone number including area code, and business address of each Subcontractor, Supplier, and joint venture partner, and the total amount actually paid to each firm. Project relevant records, regardless of tier, may be periodically reviewed by the City.
2. You shall retain all records, books, papers, and documents pertinent to the Contract for a period of not less than 5 years after Notice of Completion and allow access to said records by the City's authorized representatives.
3. You shall submit the following reports using the City's web-based contract compliance (Prism® portal):
 - a) **Monthly Payment.** You shall submit Monthly Payment Reporting by the 10th day of the subsequent month. Incomplete and/or delinquent reporting may cause payment delays, non-payment of invoices, or both.
4. The records maintained under item 1, described above, shall be consolidated into a Final Summary Report, certified as correct by an authorized representative of the Contractor. The Final Summary Report shall include all subcontracting activities and be sent to the EOCP Program Manager prior to Acceptance. Failure to comply may result in assessment of liquidated damages or withholding of retention. The City will review and verify 100% of subcontract

participation reported in the Final Summary Report prior to approval and release of final retention to you. In the event your Subcontractors are owed money for completed Work, the City may authorize payment to subcontractor via a joint check from the withheld retention.

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

1-2 TERMS AND DEFINITIONS. To the “WHITEBOOK”, items 43, 56, 69, and 102, DELETE in their entirety and SUBSTITUTE with the following:

- 43. **Field Order** - A Field Order is a written agreement by the Engineer to compensate you for Work items in accordance with 2-8, “EXTRA WORK” or 2-9, “CHANGED CONDITIONS”. A Field Order does not change the Contract Price, Contract Time, or the scope intent of the Contract. The unused portion of the Field Order shall revert to the City upon Acceptance.
- 56. **Notice of Completion (NOC)** - A document recorded with the County of San Diego to signify that the Contract Work has been completed and accepted by the City.
- 69. **Punchlist** - A list of items of Work or corrections generated after a Walk-through that is conducted when you consider that the Work and Services are complete, and as verified by the Owner. The Punchlist may be completed in phases if defined in the Contract.
- 102. **Walk-through** - An inspection the City uses to verify the completion of the Project or phase of the Project and to generate a Punchlist prior to Acceptance.

To the “WHITEBOOK”, item 54, “Normal Working Hours”, ADD the following:

The **Normal Working Hours** are **8:30 AM to 3:30 PM. For all work performed under the Caltrans permit, normal working hours are 9:00 PM to 5:00 AM.**

To the “WHITEBOOK”, ADD the following:

- 108. **Acceptance** – When all of the Contract Work, including all Punchlist items, is deemed officially complete by the City Asset Owning Department or Deputy City Engineer.
- 109. **Occupancy** – When the Owner deems a building is ready for use, the Owner will issue a certificate of Occupancy in writing.
- 110. **Substantial Completion** – When all Contract Work is deemed complete by the Contractor in writing, and as verified by the Owner. Substantial Completion may be completed in phases if defined in the Contract.

1-7.1.3

Requests for Information (RFI). To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Should You discover a conflict, omission, errors in the Contract Documents, differences with existing field conditions, or have any questions concerning interpretation or clarification of Contract Documents, or when you propose deviations to the standards or design, you shall submit a Request for Information (RFI) to the City regarding your question or clarification within **1 Working Day**.
2. Your RFI shall meet the following requirements:
 - a) All RFIs, whether by You or your Subcontractor or supplier at any tier, shall be submitted by You to the City.
 - b) RFIs shall be numbered sequentially.
 - c) You shall clearly and concisely set forth the single issue for which interpretation or clarification is sought, indicate Specification Section numbers, Contract Drawing numbers, and details, or other items involved, and state why a response is required from the City.
 - d) RFIs shall be submitted within **1 Working Day** in order that they may be adequately researched and answered before the response affects any critical activity of the Work.
 - e) Should You believe that a response to an RFI causes a change to the requirements of the Contract, You shall, before proceeding, give written notice to the City, indicating that You believe that City response to the RFI to be a Change Order. Failure to give such written notice within **5 Working Days** of receipt of the City's response to the RFI shall waive Your right to seek additional time or cost.
3. The City will respond to RFIs within **5 Working Days** unless the City notifies You in writing that a response will take longer. The **5 Working Days** shall begin when the RFI is received and dated by the City. Responses from the City will not change any requirement of the Contract unless so noted by the City in the response to the RFI. The City will not issue a Change Order for Extra Work or additional time when the issue raised in the RFI was due to your fault, neglect, or any unauthorized deviations from the project design or specifications.
4. If You proceed in resolving a conflict, omission, or any error in the Contract Documents without sending the City an RFI in accordance with the requirements stated above, the City may require You to remove such work at Your cost or back charge You the cost to remove this work.

1-7.2

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

- 1. Before execution of the Contract, file payment and performance bonds with the City to be approved by the Board in the amounts and for the purposes noted. Bonds shall be executed by a responsible surety as follows:
 - a) If the Work is being funded with state or local money, consistent with California Code of Civil Procedure §995.670, the Surety shall be an "admitted surety" authorized by the State of California Department of Insurance to transact surety insurance in the State.
 - b) If the Work is being funded with federal money, the Surety shall be listed in the U.S. Treasury Department Circular 570 and shall be in conformance with the specified Underwriting Limitations.

To the "WHITEBOOK", item 2, subsection "a", subsection "i", DELETE in its entirety and SUBSTITUTE with the following:

- i. A "Payment Bond" (Materials and Labor Bond) is optional. If no bond is submitted, no payment shall be made until 35 Calendar Days after Acceptance and any lien requirements have been fulfilled. If a bond is submitted, progress payments shall be made in accordance with these Specifications.

To the "WHITEBOOK", item 2, subsection "d", DELETE in its entirety and SUBSTITUTE with the following:

- d) For Contracts over \$100,000:
 - i. A "Payment Bond" (Materials and Labor Bond) for 100% of the Contract Price to satisfy claims of material Suppliers and of mechanics and laborers employed on the Work. You shall maintain the bond in full force and effect until Acceptance and until all claims for materials and labor are paid and shall otherwise comply with the Government Code.
 - ii. A "Faithful Performance Bond" for 100% of the Contract Price to guarantee faithful performance of Work, within the time prescribed and in a manner satisfactory to the City, that materials and workmanship shall be free from original or developed defects.

To the "WHITEBOOK", item 7, DELETE in its entirety and SUBSTITUTE with the following:

- 7. You shall require the Surety to mail its standard "Bond Status" form to the Engineer at the following address:
 - Deputy Director
 - Construction Management and Field Engineering Division
 - 9573 Chesapeake Drive San Diego, CA 92123

SECTION 2 - SCOPE OF THE WORK

2-2 PERMITS, FEES, AND NOTICES. To the "WHITEBOOK", ADD the following:

2. The City has obtained approval for the following permits. The contractor shall secure the permits prior to construction, arrange and pay for inspections or requirements as outlined in the permits.
 - a) Caltrans Encroachment Permit
 - b) Port of San Diego Encroachment Permit
 - c) MTS Right of Entry Permit
 - d) BNSF Encroachment Permit

The permits can be accessed through the following link:

<https://drive.google.com/drive/folders/1loGLsKOKfJpPwgbWT9RXLVjgioYd2UKp?usp=sharing>

2-2.2 Caltrans Encroachment Permit. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. You shall apply and obtain the Caltrans Encroachment Permit.
 - a) You shall pay for and secure the permit prior to construction.
 - b) You shall arrange and pay for inspection as required by Caltrans.

2-2.3 Payment. To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. The payment for applying and obtaining the Caltrans Encroachment Permit shall be included in the Allowance Bid item for "**Caltrans Encroachment Permit Submittal**" and shall include preparing plans and addressing Caltrans comments.

To the "WHITEBOOK", ADD the following:

3. The payment for procuring Port of San Diego Encroachment Permits including any inspection fees shall be included in the allowance Bid item for "**Port of San Diego Encroachment Permit**".

SECTION 3 - CONTROL OF THE WORK

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.

3-3 SUBCONTRACTORS. To the “WHITEBOOK”, ADD the following:

6. When a Subcontractor fails to prosecute a portion of the Work in a manner satisfactory to the City, you shall remove such Subcontractor immediately upon written request of the City, and shall request approval of a replacement Subcontractor to perform the Work in accordance with California Public Contract Code (PCC), Subletting and Subcontracting, Section 4107, at no added cost to the City.

3-10 SURVEYING. To the “GREENBOOK” and “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

3-10 SURVEYING (DESIGN-BID-BUILD).

3-10.1 General.

1. You shall provide all required site layout and general grade checking work not specified in 3-10.2, “Survey Services Provided by City”.
2. Notify the City, in writing, at least 2 Working Days prior to requesting survey services provided by the City.

3-10.2 Survey Services Provided by City.

1. Monument Perpetuation, including mark-outs. You are responsible for requesting the coordination of these services.
 - a) If at any time a monument will be destroyed or covered, such monument shall be perpetuated in accordance with state law. Inform the City Engineering Support & Technical Services Division’s Land Survey Section (LSS), via project Resident Engineer, if any monument will be destroyed or covered during any construction activity.
2. The following surveying services (including construction staking), as defined in California Business & Professions Code §8726, shall be provided by the City:
 - a) Locating or establishing alignment or elevations of all features or structures shown on project Plans.
 - b) Locating or establishing geodetic control points for all site feature or structure locations.
 - c) Produce topographic as-built data.
 - d) Locating, establishing, or re-establishing monuments, property lines, right-of-way lines, or easement lines.
 - e) Verifying structure finish grade elevations.
3. All construction survey stakes, control points, and other survey related marks provided by the City shall be preserved for the duration of the Project. If any construction survey stakes, control points, or other survey related marks are lost or disturbed and need to be replaced, such replacement shall be performed at your expense.

3-10.3 Payment.

1. The payment for site layout and general grade checking Work, coordination, and preservation of all survey related marks shall be included in the Contract Price.

3-13.1 Completion. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall submit a written assertion that the Work has been completed and is ready for Owner Acceptance. If, in the Engineer's judgment, the Work has been completed in accordance with the Contract Documents, the Engineer will set forth in writing the date the Work was completed. This will be the date that you are relieved from responsibility to protect and maintain the Work and to which liquidated damages will be computed.

3-13.1.1 Requirements Before Requesting a Walk-through. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

3-13.1.1 Requirements Before Requesting Substantial Completion.

1. The following items are required prior to requesting a Substantial Completion:
 - a) Remove temporary facilities from the Site.
 - b) Thoroughly cleaning the Site and removing all mark outs and construction staking.
 - c) Provide completed and signed Red-lines in accordance with 3-7.3 "Redlines and Record Documents".
 - d) Provide all material and equipment maintenance and operation instructions and/or manuals.
 - e) Provide all tools which are permanent parts of the equipment installed in the Project.
 - f) Provide and properly identify all keys for construction and all keys for permanent Work.
 - g) Provide all final Special Inspection reports required by the applicable building Code.
 - h) Provide all items specified to be supplied as extra stock. Wrap, seal, or place in a container all items as necessary to allow for storage by the City for future use. Verify the specified quantities.
 - i) Ensure that all specified EOCP and certified wage rate documentations covering the Contract Time have been submitted.
 - j) If the Work includes installing an irrigation system, provide the spare parts for the proposed irrigation system as specified in the Special Provisions.

- k) If the Work includes sewer and storm drain installations, the inspection shall include televising in accordance with 306-18, "VIDEO INSPECTION".
- l) If the Work includes a Plant Establishment Period, Work in accordance with 801-6, "MAINTENANCE AND PLANT ESTABLISHMENT" shall be completed prior to requesting Substantial Completion, unless approved otherwise by the Owner.
- m) Notify the Engineer to arrange a final inspection of any permanent BMPs installed.

3-13.1.2 Walk-through and Punchlist Procedure. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall notify the Engineer 15 Working Days in advance of date of anticipated Substantial Completion to allow time for Engineer to schedule a Walk-through.
2. After you complete the requirements in 3-13.1.1, "Requirements Before Requesting Substantial Completion" and when you consider that the Work is Substantially Complete, you will notify the Engineer in writing that the Project is Substantially Complete and request a Walk-through. The Engineer will review your request and determine if the Project is ready for a Walk-through, by verifying whether you have completed all items as required by 3-13.1.1, "Requirements Before Requesting Substantial Completion". Within 7 Working Days, the City will either reject your request for a Walk-through in writing or schedule and conduct a Walk-through inspection. The Engineer shall facilitate the Walk-through.
3. The following documents shall be provided at the time of your Walk-through request: As-Built markup, Plans, specifications, technical data such as submittals and equipment manuals, draft final payment, warranties, material certifications, bonds, guarantees, maintenance service agreements, and maintenance and operating manuals.
4. Written warranties, except manufacturer's standard printed warranties, shall be on a letterhead addressed to you. Warranties shall be submitted in the format described in this section, modified as approved by the City, to suit the conditions pertaining to the warranty. Lack of submitting these items will delay start of Walk-through.
5. The Engineer will provide you with the Punchlist within 15 Working Days after the date of the Walk-through. The City shall not provide a preliminary Punchlist.
6. If the Engineer finds that the Project is not Substantially Complete as defined herein, the Engineer will terminate the Walk-through and notify you in writing.

7. If, at any time during the Engineer's evaluation of the corrective Work required by the Punchlist, the Engineer discovers that additional corrective Work is required, the Engineer may include that corrective Work in the Punchlist.
8. You shall remain solely responsible for the Project Site until the Project is completely operational, all Punchlist items have been corrected, all operation and maintenance manuals have been approved, all necessary warranty letters have been received, and the work is formally accepted by the City.
9. The Engineer shall meet with you within 5 Working Days of notification that all Punchlist items are corrected. You shall complete the Punchlist within 30 Working Days, and Working Days will continue to be counted until Acceptance of the Project.

3-13.2 Acceptance. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall provide the completed, signed, and stamped DS-563 to the Engineer prior to Acceptance.
2. You shall deliver the final As-builts and final billing prior to Acceptance.
3. You shall assemble and deliver to the Engineer a Final Summary Report and Affidavit of Disposal prior to Acceptance.
4. Acceptance shall occur after all of the requirements contained in the Contract Documents have been fulfilled. If, in the Engineer's judgment, you have fully performed the Contract, the Engineer will recommend to the City Engineer that your performance of the Contract be accepted. You shall receive notification of Acceptance in writing from the Owner and counting of working days shall cease and Warranty begins.
5. Retention can be released 35 Calendar Days after NOC. Submit your request for retention to the Resident Engineer and they will mail to you a "Release of Claims" form which shall be completed and returned before the retention will be released.

3-13.3 Warranty. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall warranty and repair all defective materials and workmanship for a period of 1 year. This call back warranty period shall start on the date the Work was accepted by the City unless the City has Beneficial Use or takes Occupancy of the project earlier (excluding water, sewer, and storm drain projects).
2. You shall warranty the Work free from all latent defects for 10 years and patent defects for a period of 4 years.
3. The warranty period for specific items covered under manufacturers' or suppliers' warranties shall commence on the date they are placed into service at the direction of the Engineer in writing.

4. All express warranties from Subcontractors, manufacturers', or Suppliers', of any tier, for the materials furnished and Work performed shall be assigned, in writing, to the City, and shall be delivered to the Engineer prior to the Acceptance of your performance of the Contract.
5. Replace or repair defective materials and workmanship in a manner satisfactory to the Engineer after notice to do so from the Engineer and within the time specified in the notice. If you fail to make such replacements or repairs within the time specified in the notice, the City may perform the replacement or repairs at your expense. If you fail to reimburse the City for the actual costs, your Surety shall be liable for the cost
6. Items that shall be warrantied free from defective workmanship and materials for a period longer than 1 year are as follows:

Specified Item	Minimum Warranty Period
Detectable Warning Tile Construction	3 Years of Manufacturer's Warranty
All Work Under SECTION 500 – PIPELINE REHABILITATION	3 Years
Fiber Optic Interconnect Cables	2 Years
Luminaires*	10 Years of Manufacturer's Warranty
LED Signal Modules	3 Years of Manufacturer's Warranty
Field Devices Associated with 700-6.3, "Adaptive Control Note"	See 700-6.3.9, "Warranty"

* Provide documentation verifying that the induction luminaire models being offered for the Project are covered by the 10 year warranty.

7. If installed, you shall provide the City and property owner a copy of the manufacturer's warranty for private sewer pumps, including the alarm panel and all other accessories.
 - a) You shall involve the manufacturer in the installation and startup as needed to secure any extended warranty required.
 - b) Nothing in here is intended to limit any manufacturer's warranty which provides the City with greater warranty rights than set forth in this section or the Contract Documents.
 - c) The warranty shall include all components. The form of the warranty shall be approved by the Engineer in accordance with 3-13.3.2, "Warranty Format Requirements".
8. If, during the warranty period, any item of the Work is found to be Defective Work, you shall correct it promptly after receipt of written notice from the City

to do so. The warranty period shall be extended with respect to portions of the Work corrected as part of the warranty requirements.

SECTION 4 - CONTROL OF MATERIALS

4-3.6 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.

4-6 TRADE NAMES. To the “WHITEBOOK”, ADD the following:

11. You shall submit your list of proposed substitutions for an “equal” item **no later than 5 Working Days after the determination of the Apparent Low Bidder** and on the City’s Product Submittal Form available at:

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

SECTION 5 – LEGAL RELATIONS AND RESPONSIBILITIES

5-4 INSURANCE. To the “GREENBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

5-4 INSURANCE.

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

5-4.1 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.

5-4.2 Types of Insurance.

5-4.2.1 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

5-4.2.2 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.

5-4.2.6 Railroad Protective Liability Insurance. Exclusions relating to performance of operations within the vicinity of any railroad, bridge, trestle, roadbed, tunnel, underpass, or cross shall be deleted from all policies to which they may apply. Alternatively, you may provide separate Railroad Protective Liability insurance providing coverage, including endorsements, equivalent to that required for the CGL described herein.

5-4.3 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.

5-4.3.1 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.

5-4.4 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.

5-4.5 Policy Endorsements.

5-4.5.1 Commercial General Liability Insurance.

5-4.5.1.1 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.

- 5-4.5.1.2 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.
- 5-4.5.1.3 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.
- 5-4.5.2 Commercial Automobile Liability Insurance.**
- 5-4.5.2.1 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.
- 5-4.6 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.
- 5-4.7 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.
- 5-4.8 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.
- 5-4.9 Excess Insurance.** Policies providing excess coverage shall follow the form of the primary policy or policies e.g., all endorsements.
- 5-4.11 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.

5-4.11.1 Waiver of Subrogation. The policy or policies shall be endorsed to provide that the insurer will waive all rights of subrogation against the City and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from Work performed by the Named Insured for the City.

ADD:

5-10.1.3 Weekly Updates Recipients.

1. Submit a weekly correspondence with updates, traffic control issues and locations, lane closures, and any other pertinent information (with additional contact names given during award process) to the following recipients:
Zach Barhoumi, Senior Engineer, barhoumiz@sandiego.gov
Jwan Mufti, Project Engineer, jmufti@sandiego.gov
Resident Engineer, TBA, XXX@sandiego.gov

5-10.2.1 Public Notice by Contractor. To the "WHITEBOOK", items 2 and 3, DELETE in their entirety and SUBSTITUTE with the following:

2. No less than 5 Working Days in advance of Project construction activities and utility service interruptions, you shall notify all critical facilities, businesses, institutions, property owners, residents, or any other impacted stakeholders within a minimum 300-foot (90 m) radius of the Project. Verbal and written notifications shall be sent to critical facilities (including but not limited to police stations, fire stations, hospitals, and schools). A copy of written notifications sent to any critical facility shall also be sent to the Resident Engineer. You shall keep records of the people contacted, along with the dates of notification, and

shall provide the record to the Engineer upon request. You shall identify all other critical facilities that need to be notified.

3. Furnish and distribute public notices in the form of door hangers using the City's format to all occupants and/or property owners along streets:
 - a) Where Work is to be performed at least Working 5 Working Days before starting construction or survey activities or impacting the community as approved by the Resident Engineer.
 - b) Within 5 Working Days of the completion of your construction activities where Work was performed, you shall distribute public notices in the form of door hangers, which outlines the anticipated dates of Asphalt Resurfacing or Slurry Seal.
 - c) 72 hours in advance of the scheduled resurfacing.

5-10.3 Exclusive Community Liaison Services. To the "WHITEBOOK", ADD the following:

2. You shall retain an Exclusive Community Liaison for the Project that shall implement Work in accordance with the specifications described in 5-10.2 "Community Outreach Services" and 5-10.3 "Exclusive Community Liaison Services".

5-13 ELECTRONIC COMMUNICATION. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Virtual Project Manager shall be used on this Contract.
2. You shall post all communications addressed to the Engineer concerning construction including RFIs, submittals, daily logs including the Weekly Statement of Working Days (WSWD), Storm Water, and transmittals to the Virtual Project Manager (VPM) website established for the Projects. This shall not supersede any Federal requirements.
3. Maintain a list of scheduled activities including planned and actual execution dates for all major construction activities and milestones defined in the approved Schedule.
4. Review and act on all communications addressed to you in the VPM project website.
5. A user's guide to the VPM system is available on the City's website and shall be provided to you at the Pre-construction Meeting. Refer to the VPM training videos and forms at the location below:
<https://www.sandiego.gov/ecp/edocref/>
6. Submit the Sensitive Information Authorization Acknowledgement Form and VPM User Agreement located in the VPM user's guide at the Pre-construction Meeting.

5-15.1 General. To the “WHITEBOOK”, item 10, DELETE in its entirety and SUBSTITUTE with the following:

10. If your construction activities have encountered flammable liquids or other hazardous substances, you shall ensure that construction staff have the required Hazardous Waste Operations and Emergency Response (HAZWOPER) certification. Construction staff shall include: City Engineers, City Laboratory Technicians, and City staff that perform onsite inspections.
 - a) If your Work encounters flammable liquids or other hazardous substances, you shall be responsible for scheduling training for all construction staff to attend and for submitting verification to the Engineer that construction staff have the required HAZWOPER certification prior to continuing that Work in that area. You shall maintain the HAZWOPER certifications annually until the construction activities triggering the requirement is complete, as approved by the Resident Engineer.

SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK

6-1.1 Construction Schedule. To the “GREENBOOK”, paragraph (1), sentence (1), DELETE in its entirety and SUBSTITUTE with the following:

After notification of award of the Contract and prior to the start of any Work, you shall submit your proposed Cost Loaded Construction Schedule to the Engineer at the pre-construction meeting.

To the “WHITEBOOK”, item 1, subsection “e”, “h”, and “s”, DELETE in their entirety and SUBSTITUTE with the following:

- e) Monthly progress payments are contingent upon the submittal of an updated Schedule to the Engineer. The Engineer may refuse to process the whole or part of any monthly payment if you refuse or fail to provide an acceptable schedule.
- h) Your Schedule shall include 7 Working Days for the Engineer to schedule and conduct a Walk-through inspection and 15 Working Days 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.
- s) 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.
 - i. Refer to the Sample City Invoice materials in **Appendix D – Sample City Invoice with Cash Flow Forecast** and use the format shown.

- ii. See also the “Cash Flow Forecast Example” at the location below:

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

6-1.1.2 Contracts More Than \$500,000 In Value. To the “WHITEBOOK”, item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Provide the Schedule to the Engineer in accordance with 6-1.1, “Construction Schedule” and 6-1.2, “Commencement of the Work”.

To the “WHITEBOOK”, item 2, DELETE in its entirety.

6-1.2 Commencement of the Work. To the “WHITEBOOK”, ADD the following:

5. You shall submit a Cost Loaded Construction Schedule in accordance with 6-1.1, “Construction Schedule” at the scheduled pre-construction meeting.
6. If a Cost Loaded Construction Schedule is not provided, the pre-construction meeting will still be held. The Contract Time shall commence at issuance of the NTP, but you shall be limited to the following activities until the Cost Loaded Construction Schedule has been submitted to the Resident Engineer with no exceptions taken:
 - a) Mobilization of your trailers, associated utility setup, and grading for trailer area
 - b) Permit Procurement
 - c) Fencing and temporary utilities for your storage areas
 - d) Submittal of anticipated critical path submittals

6-1.5.2 Excusable Non-Compensable Delays. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

6-1.5.2 Excusable Non-Compensable and Concurrent Delays.

1. The City shall only issue an extension of time for Excusable Delays that meet the requirements of 6-4.2, “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.
2. When a non-excusable delay is concurrent with an Excusable Delay, you shall not be entitled to an extension of Contract Time for the period the non-excusable delay is concurrent with the Excusable Delay.
3. When an Excusable Non-Compensable Delay is concurrent with an Excusable Compensable Delay, you shall be entitled to an extension of Contract Time, but shall not be entitled to compensation for the period the Excusable Non-Compensable Delay is concurrent with the Excusable Compensable Delay.

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 below:
 - a) Holiday Moratorium near shopping areas in the Downtown area bounded by Cedar Street on the north, 12th Avenue on the east, Harbor Drive on the south, and North Harbor Drive on the west from Thanksgiving Day to New Year's Day (inclusive).

6-4.2

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

1. The Contract Time shall not be modified except by Change Order.
2. You shall notify the City in writing within **1 Working Day** after the occurrence and discovery of an event that impacts the Project Schedule.
 - a) If you believe this event requires a Change Order, you shall submit a **written Change Order request with a report to** the City that explains the request for Change Order within **5 Working Days**. The Change Order request must include supporting data, a general description of the discovery, the basis for extension, and the estimated length of extension. The City may grant an extension of time, in writing, for the Change Order request if you require more time to gather and analyze data.
3. The Engineer shall not grant an extension of Contract Time in accordance with 6-1.5, "Excusable Delays" 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 and that all project float has been used.
4. Any modifications to the Contract Time will be incorporated into the weekly document that the Engineer issues that stipulates 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 **30 Calendar 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 2-10.1, "Claims".

6-4.4 Written Notice and Report. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. Your failure to notify the Resident Engineer within **1 Working Day** OR provide a Change Order request within **5 Working Days** after the event, in accordance with 6-4.2, “Extensions of Time”, will be considered grounds for refusal by the City to consider such request if your failure to notify prejudices the City in responding to the event.

ADD:

6-6.1.1 Environmental Document.

1. RECON Environmental, Inc. has prepared an **Environmental Impact Report** titled **Final Supplemental Environmental Impact Report for the Downtown San Diego Mobility Plan**, SCH # **2014121002**, as referenced in the link below. You shall comply with all requirements of the **Environmental Impact Report**.

<https://drive.google.com/file/d/1su1y5COtAob17sIEROC7G4uf23k9xTD9/view?usp=sharing>

2. The City has prepared a Consistency Memo for the Environmental Impact Report. Construction activities shall comply with the conditions as outlined in the Consistency Memo as referenced in **Appendix A**.
3. Compliance with the City’s environmental document shall be included in the Contract Price, unless separate bid items have been provided.

SECTION 7 – MEASUREMENT AND PAYMENT

7-3.1 General. To the “GREENBOOK” and “WHITEBOOK”, paragraph (8), DELETE in its entirety and SUBSTITUTE with the following:

If, within the time fixed by law, a properly executed notice to stop payment is filed with the City, due to your failure to pay for labor or materials used in the Work, all money due for such labor or materials will be withheld from payment in accordance with applicable laws.

To the “WHITEBOOK”, ADD the following:

1. Unless specified otherwise, the Contract Price includes use, consumer, and other taxes mandated by applicable legal requirements.
2. As provided in §7105 of the California Public Contract Code, if the Contract is not financed by revenue bonds, you are not responsible for the cost of repairing or restoring damage to the Project when damage was proximately

caused by an act of God, in excess of 5% of the Contract Price, if the following occur:

- a) The Project damaged was built in accordance with the Contract requirements.
- b) There are no insurance requirements in the Contract for the damages.

7-3.2

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

1. The Final Payment, which is the release of Retention, shall be paid to you after you have successfully submitted the following required documents:
 - a) An affidavit that payrolls and bills for materials, equipment, and other indebtedness connected with the Work for which the City or the City's property might be responsible for or encumbered by.
 - b) A certificate evidencing that insurances required by the Contract Documents shall remain in force after Final Payment is currently in effect and shall not be canceled or allowed to expire until at least a 30 Calendar Days prior written notice has been given to the Engineer.
 - c) Consent of Surety to Final Payment.
 - d) If required by the Engineer, other data establishing payment or satisfaction of obligations such as receipts, releases and waivers of liens, claims, and security interests or encumbrances arising out of the Contract Documents. If a Subcontractor refuses to furnish a release or waiver required by the City, you may furnish a bond satisfactory to the Engineer to indemnify the City against such lien.
 - e) If required in the Contract Documents, the successful completion and submittal of the required reports such as construction demolition, waste recycling, and hydrostatic discharge reports.
 - f) Required EOCP Final Summary Report in accordance with Section 0-12, "Contract Records and Reports", record drawings, operations manuals, test reports, warranty documentation, and UL labels shall be submitted before requesting the release of retention.
 - g) Acceptance of the completed Project by the asset owning Department.

To the "WHITEBOOK", ADD the following:

2. Submit an invoice for payment after you successfully complete the required documents and the City will pay the invoice within 30 Calendar Days. The City will pay 6% annually for late retention payments.

7-3.2.1 Application for Progress Payment. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. The City shall not pay progress or partial payments until you submit to the Engineer an acceptable updated Schedule. It is solely your responsibility to prepare and submit the Schedule updates.

7-3.2.2 Amount of Progress Payments. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The City will pay 6% annually for late progress payments.
2. Progress payments will be considered "late" if the following occur:
 - a) The City does not pay the contractor within 30 Calendar Days from receipt of an undisputed and properly submitted invoice. A properly submitted payment invoice means that the City has approved for payment the entire invoice amount or if the Resident Engineer has not disputed any portion of the application within 7 Calendar Days of the date of submission.
 - b) The application for payment does not require signing of a Contract Change Order.
3. The Engineer may withhold payment for any of the following reasons:
 - a) Defective or incomplete Work.
 - b) Not providing an updated and accurate Cost Loaded Construction Schedule in accordance with 6-1.1, "Construction Schedule".
 - c) Stop notices, wage orders, or other withholdings required by Applicable Law. Your failure to comply with 5-3.3, "Payroll Records" and the Contractor Registration and Electronic Reporting System requirements of the Contract Documents.
4. The Engineer may back charge the contract for any of the following reasons:
 - a) Defective or incorrect Work not remedied.
 - b) Damage to City property or a third party's property that was caused by you.
 - c) Liquidated Damages.

7-3.2.3 Waiver of Claims at Final Payment. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Your acceptance of Final Payment constitutes a waiver of affirmative Claims by you, except those previously made in writing and identified as unsettled at the time of Final Payment.

7-3.2.4 Withholding of Payment and Back Charge. To the "WHITEBOOK", DELETE in its entirety.

7-3.5.1 General. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Unit Bid prices shall not be subject to adjustment regardless of quantity used, or if none is used, for the following Bid items:
 - a) imported backfill
 - b) shoring
 - c) water services
 - d) house connection sewers
 - e) water pollution control items
2. Upon discovery and prior to the Work, you shall notify the Resident Engineer if there is a change in Bid item quantity that increases the total Contract Price by 5% or \$100,000 or more, whichever is less.

7-3.11 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.

7-4.3 Markup. To the "WHITEBOOK", item 4, DELETE in its entirety and SUBSTITUTE with the following:

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 a Subcontractor's tasks for Extra Work, you may only apply 10% for the first \$50,000 of the Subcontractor's portion of accumulated total cost then 5% for any remaining costs. You shall not apply 10% to any costs after the first \$50,000 of accumulated total costs from performing Extra Work.
 - 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) Regardless of the number of hierarchical tiers of Subcontractors, you may only markup a Subcontractor's Work once.

SECTION 203 - BITUMINOUS MATERIALS

203-6.3.1 General. To the "WHITEBOOK", ADD the following:

3. Asphalt concrete for Job Mix Formula (JMF) and Mix Designs shall be Type III and shall not exceed 15% RAP.

SECTION 209 – PRESSURE PIPE

209-1.1.1 General. To the “WHITEBOOK”, ADD the following:

2. PVC products, specifically type C900 and C905, as manufactured or distributed by J-M Manufacturing Company or JM Eagle shall not be used on the Contract for pressurized pipe.
3. Refer to AWWA C900-16 for all references to AWWA C905.

SECTION 301 – SUBGRADE PREPARATION, TREATED MATERIALS, AND PLACEMENT OF BASE MATERIALS

301-1 SUBGRADE PREPARATION

301-1.6 Preparatory Repair Work. To the “WHITEBOOK”, item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Prior to the placement of any asphalt concrete or application of slurry, you shall complete all necessary preparation and repair Work and shall obtain approval by the Resident Engineer.

ADD the following:

13. Asphalt concrete shall be Type III and shall not exceed 15% RAP in accordance with 203-6.3.1, “General”.

301-1.7 Payment. To the “WHITEBOOK”, ADD the following:

8. Payment for all Work, materials, labor, costs, and time associated with adjusting existing water meter box frame and cover to grade shall be included in the bid item for **“Adjust Existing Water Meter Box Frame and Cover to Grade”**.
9. Payment for all Work, materials, labor, costs, and time associated with adjusting existing electrical pull box frame and cover to grade shall be included in the bid item for **“Adjust Existing Electrical Pull Box Frame and Cover to Grade”**.

SECTION 302 – ROADWAY SURFACING

302-4.5 Scheduling, Public Convenience and Traffic Control. To the “GREENBOOK”, paragraphs (1) and (2), DELETE in their entirety and SUBSTITUTE with the following:

1. In addition to the requirements of Part 6, you shall comply with the following:
 - a) At least 5 Working Days prior to commencing the Work, you shall submit your proposed Schedule to the Engineer for approval.

- b) Based upon the approved schedule, you shall notify residents and businesses of the Work and post temporary "No Parking" signs 72 hours in advance.
- c) Requests for changes in the approved Schedule shall be submitted to the Engineer for approval at least 3 Working Days before the street is scheduled to be sealed.

SECTION 303 – CONCRETE AND MASONRY CONSTRUCTION

303-5.1.1 General. To the "WHITEBOOK", ADD the following:

- 7. For the purposes of this section, the terms "walk" and "access ramp" shall be synonymous with "sidewalk" and "curb ramp and pedestrian ramp", respectively.

303-5.9 Payment. To the "WHITEBOOK", ADD the following:

- 7. Payment for all Work, materials, labor, costs, and time associated with the installation of a new median sidewalk shall include but not limited to removal and disposal of existing sidewalk and AC pavement, forming, installation of subgrade materials, and compaction of subgrade materials shall be included in the Bid item for "**Median Sidewalk Installation**".
- 8. Payment for all Work, materials, labor, costs, and time associated with the installation of an additional new curb and gutter shall be included in the Bid item for "**Additional New Curb and Gutter**".

Payment for "**Median Removal and Repair**" shall include demolition and disposal, forming, curb painting, relocating or raising items in conflict to grade, protecting and preserving existing survey monuments and improvements, and restoring the median finished surface and street pavement.

303-5.10.2 Payment. To the "WHITEBOOK", ADD the following:

- 4. The payment for "Curb Ramp Type A with Detectable Warning Tiles" shall include transition areas, landings, DWTs, spandrels, demolition and disposal, forming, relocating or raising items in conflict to grade, protecting and preserving existing survey monuments and improvements, and restoring replaced or disturbed sidewalk panels and pavement to match the existing color, pattern and texture.
- 5. The payment for "**Curb Ramp Type A (Dowel) with Detectable Warning Tiles**" shall include transition areas, landings, DWTs, spandrels, demolition and disposal, forming, relocating or raising items in conflict to grade, protecting and preserving existing survey monuments and improvements, and restoring replaced or disturbed sidewalk panels and pavement to match the existing color, pattern and texture.

6. The payment for **“Curb Ramp Type B with Detectable Warning Tiles”** shall include transition areas, landings, DWTs, spandrels, demolition and disposal, forming, relocating or raising items in conflict to grade, protecting and preserving existing survey monuments and improvements, and restoring replaced or disturbed sidewalk panels and pavement to match the existing color, pattern and texture.
7. The payment for **“Curb Ramp Type C1 with Detectable Warning Tiles”** shall include transition areas, landings, DWTs, spandrels, demolition and disposal, forming, relocating or raising items in conflict to grade, protecting and preserving existing survey monuments and improvements, and restoring replaced or disturbed sidewalk panels and pavement to match the existing color, pattern and texture.
8. The payment for **“Curb Ramp Type Blended Transition with Detectable Warning Tiles”** shall include transition areas, landings, DWTs, spandrels, demolition and disposal, forming, relocating or raising items in conflict to grade, protecting and preserving existing survey monuments and improvements, and restoring replaced or disturbed sidewalk panels and pavement to match the existing color, pattern and texture.
9. The payment for removal and replacement of **Detectable Warning Tile (DWT) at northeast corner of Broadway and 5th Avenue** shall be included in the Bid item **“Detectable Warning Tile (DWT) Installation - Retrofit at northeast corner of Broadway and 5th Avenue”**.
10. The payment for removal and replacement of **Detectable Warning Tile (DWT) at southwest corner of C Street and 5th Avenue** shall be included in the Bid item **“Detectable Warning Tile (DWT) Installation - Retrofit at southwest corner of C Street and 5th Avenue”**.
11. The payment for **“Curb Ramp Type A with Detectable Warning Tiles at Northeast Corner of Columbia Street and Ash Street”** shall include transition areas, landings, DWTs, spandrels, demolition and disposal, forming, relocating or raising items in conflict to grade, waterproofing, protecting and preserving existing survey monuments, and improvements, relocate and reinstall signs and restoring replaced or disturbed sidewalk panels and pavement to match the existing color, pattern and texture.
12. The payment for **“Curb Ramp Type A with Detectable Warning Tiles at Southwest Corner of G Street and 1st Avenue”** shall include transition areas, landings, DWTs, spandrels, demolition and disposal, forming, relocating or raising items in conflict to grade, waterproofing, protecting and preserving existing survey monuments, and improvements, relocate and reinstall signs

and restoring replaced or disturbed sidewalk panels and pavement to match the existing color, pattern and texture.

13. The payment for **“Curb Ramp Type B with Detectable Warning Tiles at Southwest Corner of Imperial Avenue and 15th Street”** shall include transition areas, landings, DWTs, spandrels, demolition and disposal, forming, relocating or raising items in conflict to grade, waterproofing, protecting and preserving existing survey monuments, and improvements, relocate and reinstall signs and restoring replaced or disturbed sidewalk panels and pavement to match the existing color, pattern and texture.
14. The payment for **“Curb Ramp Type A with Detectable Warning Tiles at Northeast Corner of E Street and Front Street”** shall include transition areas, landings, DWTs, spandrels, demolition and disposal, forming, relocating or raising items in conflict to grade, waterproofing, protecting and preserving existing survey monuments, and improvements, relocate and reinstall signs and restoring replaced or disturbed sidewalk panels and pavement to match the existing color, pattern and texture
15. The payment for **“Curb Ramp Type A with Detectable Warning Tiles at Northwest Corner of Market Street and 1st Avenue”** shall include transition areas, landings, DWTs, spandrels, demolition and disposal, forming, relocating or raising items in conflict to grade, waterproofing, protecting and preserving existing survey monuments, and improvements, relocate and reinstall signs and restoring replaced or disturbed sidewalk panels and pavement to match the existing color, pattern and texture.

SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION

306-3.3 Removal and Abandonment of Existing Conduits and Structures. To the “WHITEBOOK”, DELETE in its entirety and SUBSTITUTE with the following:

1. For 6 inch (152.4 mm) and larger conduits, abandoned pipe shall be filled with sand or CLSM in accordance with 201-6, “CONTROLLED LOW STRENGTH MATERIAL (CLSM)”.

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

314-4.4.5 Measurement. To the “WHITEBOOK”, item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Thermoplastic traffic striping for continental crosswalks shall be measured by the square foot for the actual area covered with thermoplastic.

SECTION 402 – UTILITIES

402-2 PROTECTION. To the “WHITEBOOK”, item 2, ADD the following:

- g) Refer to **Appendix H - Advanced Metering Infrastructure (AMI) Device Protection** for more information on the protection of AMI devices.

402-6

COOPERATION. To the "GREENBOOK", ADD the following:

1. Notify SDG&E at least 10 Working Days prior to excavating within 10 feet of SDG&E High Pressure Gas Mains and Underground High Voltage Transmission Power Lines (69 KV and higher).

402-7.2

Pipe Separations. To the "WHITEBOOK", item 1, subsection "a", DELETE in its entirety and SUBSTITUTE with the following:

- a) You shall notify the Engineer immediately if:
 - i. 1 foot (0.3 m) vertical separation as measured from the outside of pipe wall to the outside of pipe wall between sewer and water mains cannot be maintained.
 - ii. 10 feet (3.0 m) horizontal separation as measured from the outside of pipe wall to the outside of pipe wall between sewer and water mains cannot be maintained.
 - iii. 6 inches (152.4 mm) vertical separation as measured from the outside of pipe wall to the outside of pipe wall between utilities other than sewer and water mains cannot be maintained.
 - iv. 3 feet (0.9 m) or more of cover over the top of the water main cannot be maintained.
 - v. 5 feet (1.5 m) or more of cover over the top of the recycled water main cannot be maintained.

SECTION 600 - ACCESS

600-1

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

5. You shall notify Environmental Services Department via email (trash@sandiego.gov) of street closures affecting the regular scheduled solid waste collection at least 3 Working Days prior to the street closure. Include your business name and phone number, days of closure, time of scheduled closure, and date of anticipated street reopening in the notification.
 - a) You shall verify waste collection schedules via the Environmental Services website at:
<http://www.sandiego.gov/environmental-services/collection/index.shtml>
 - b) You shall comply with the following requirements for trash, recycling, and yard waste collection:
 - i. Provide advance written notice to every property affected by blocked public right of way.
 - ii. Coordinate the relocation of trash, recycling, and yard waste containers to an accessible public street for the City's waste collection crews on collection day.

- iii. When necessary, relocate the containers from the blocked streets to the accessible public right of way before the City's collection vehicles arrive to assist with collection on existing schedules. Return the containers to their point of origin to ensure the accuracy of inventory assignment by address.
- c) If the City's crews are unable to provide the citizens with the mandated services due to your failure to comply with these specifications, you shall collect trash, recyclables, and yard waste on the City's schedule and deliver to the City's designated locations. If you fail to perform this Work, you shall incur additional costs for the City to reschedule pick up of an area.

600-5 PAYMENT. To the "WHITEBOOK", ADD the following:

- 3. The payment for BNSF Encroachment Permit procurement Work including railroad liability insurance, plan reviews, inspections, flagging, and fees shall be included in the allowance Bid item for "**BNSF Encroachment Permit**".

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

601-2.1.4 Traffic Control for Resurfacing and Slurry Sealing. To the "WHITEBOOK", item 3, subsection "d", DELETE in its entirety and SUBSTITUTE with the following:

- d) Place "NO PARKING - TOW-AWAY ZONE" signs 72 hours in advance of the scheduled slurry sealing. Reschedule street block segments which are not completed by the last posted Working Day. If a Work delay of 48 hours or more occurs from the originally scheduled Work date, remove the "NO PARKING - TOW-AWAY ZONE" signs for a minimum of 24 hours, then reset and re-post for the appropriate Work date.

601-3.5.1 General. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

- 3. Temporary "No Parking" and "No Stopping" signs shall be installed 72 hours before enforcement. Temporary "No Parking" and "No Stopping" signs shall be installed and removed as specified in the Special Provisions. Signs shall indicate specific days, dates, and times of restrictions. If violations occur, call Police Dispatch 619-531-2000 to enforce the Tow-Away notice.

601-3.6 Channelizing Devices. To the "WHITEBOOK", item 4, Barricades, ADD the following:

- h) You shall place "OPEN TRENCH" signs (C27(CA)) on Type 3 Barricade within the construction Work zone, ahead of any Work areas with open trenches that are greater than 3 inches in depth, in accordance with California MUTCD SECTION 6F.103 (CA). The barricades shall be placed in a continuous manner and shall prevent pedestrian, vehicular, and biker access to the open trench area.

SECTION 700 – MATERIALS

700-5.1 Vehicle Detectors. To the “WHITEBOOK”, item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Loop wire shall be Type 2. Loop detector lead-in cable shall be Type “B”. Slots shall be filled with elastomeric sealant, epoxy sealant, or hot-melt rubberized asphalt sealant, except asphaltic emulsion loop sealant and cold tar loop sealant are acceptable if the pavement surface will receive an asphaltic concrete overlay.

SECTION 701 – CONSTRUCTION

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

6. Payment for all Work, materials, labor, costs, and time associated with the installation of a pedestrian push button and post shall include but not limited to Pedestrian Push Button Assembly, Post and Foundation, PVC Conduit Pull Box and removal of any conflict devices shall be included in the bid item for **“Pedestrian Push Button, Post and Foundation”**.
7. Payment for all Work, materials, labor, costs, and time associated with the installation of a pedestrian push button shall include but not limited to Push Button Assembly, PVC Conduit, Pull Box and removal of any conflict devices shall be included in the bid item for **“Pedestrian Push Button”**.
8. Payment for all Work, materials, labor, costs, and time associated with the replacement of a pedestrian push button assembly shall include Pedestrian Push Button Housing Assembly color No. 33538 of FED-STD 595 shall be included in the bid item for **“Replace Pedestrian Push Button Housing Assembly”**.
9. Payment for all Work, materials, labor, costs, and time associated with the relocation and installation of an existing pull box shall be included in the bid item for **“Relocate and Reinstall Pull Box”**.
10. Payment for all Work, materials, labor, costs, and time associated with the removal and installation of an existing receptacle shall be included in the bid item for **“Remove and Reinstall Existing Receptacle”**.

SECTION 1001 – CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPs)

1001-1 GENERAL. To the “WHITEBOOK”, ADD the following:

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

SECTION 1002 - PERMANENT BEST MANAGEMENT PRACTICES (BMPs)

1002-9

Measurement and Payment. To the "WHITEBOOK", ADD the following:

1. The measurement and payment for all Work, materials, labor, costs, and time associated with the storm drain inlet stenciling shall be included in the bid item for "**Storm Drain Inlet Stenciling**".
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TECHNICALS

SECTION 033000

CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.01 DESCRIPTION

- A. This section covers specific provisions for cast-in-place concrete. For general material and mix design requirements, where applicable, refer to the 2018 edition of the Greenbook and the Whitebook.

1.02 RELATED DOCUMENTS

- A. Drawings, general conditions, and special conditions of the contract apply to this section.
- B. Related Sections: Specifications for the demolition of existing concrete curb ramp and installation of new curb ramp including Detectable Warning Tile (DWT).
- C. Related Sections: The Greenbook, 2018 Edition – Standard Specifications for Public Works Construction
- D. Related Sections: The Whitebook, 2018 Edition – Standard Specifications for Public Works Construction.

1.03 REFERENCE STANDARDS

The design, manufacture, and installation of concrete shall meet or exceed the applicable provisions and recommendations of the following codes and standards:

1. Except as otherwise indicated in this Section, the CONTRACTOR shall comply with the latest edition of the Standard Specifications for Public Works Construction (SSPWC); the 2018 Greenbook, Standard Specifications for Public Works Construction; San Diego City 2018 Whitebook.
2. Except as otherwise indicated, the current editions of the following standards apply to the work of this Section:
 - a. Commercial Standards:
 - (1) ACI 214 Recommended Practice for Evaluation of Strength Test Results of Concrete
 - (2) ACI 301 Specifications for Structural Concrete for Buildings
 - (3) ACI 304R Recommended Practice for Measuring, Mixing, Transporting and Placing Concrete
 - (4) ACI 305R Hot Weather Concreting
 - (5) ACI 306 Cold Weather Concreting
 - (6) ACI 309 Consolidation of Concrete
 - (7) ACI 318 Building Code Requirements for Reinforced Concrete

- b. ASTM Standards in Building Codes:
- (1) ASTM C 31 Practice for Making and Curing Concrete Test Specimens in the Field
 - (2) ASTM C 33 Specification for Concrete Aggregates
 - (3) ASTM C 39 Test Method for Compressive Strength of Cylindrical Concrete Specimens
 - (4) ASTM C 40 Test Method for Organic Impurities in Fine Aggregates for Concrete
 - (5) ASTM C 88 Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
 - (6) ASTM C 94 Specification for Ready-Mixed Concrete
 - (7) ASTM C 136 Test Method for Sieve Analysis of Fine and Coarse Aggregates
 - (8) ASTM C 143 Test Method for Slump of Hydraulic Cement Concrete
 - (9) ASTM C 150 Specification for Portland Cement
 - (10) ASTM C 156 Test Method for Water Retention by Concrete Curing Materials
 - (11) ASTM C 171 Specification for Sheet Materials for Curing Concrete
 - (12) ASTM C 192 Practice for Making and Curing Concrete Test Specimens in the Laboratory
 - (13) ASTM C 231 Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
 - (14) ASTM C 260 Specification for Air-Entraining Admixtures for Concrete
 - (15) ASTM C 309 Specifications for Liquid Membrane-Forming Compounds for Curing Concrete
 - (16) ASTM C 494 Specification for Chemical Admixtures for Concrete

1.04 CONTRACTOR SUBMITTALS

- A. Shop drawings showing complete details and arrange of reinforcing and embedded items where required on the Drawings.
- B. Mix Designs: Before starting the Work and within 14 days of the notice to proceed, the CONTRACTOR shall submit to the ENGINEER, for review, preliminary concrete mix designs which shall show the proportions and gradations of all materials proposed and 28-day compression test reports. The mix designs shall be checked and certified to conform to these specifications by an independent testing laboratory acceptable to the CITY to be in conformance with these Specifications. All costs related to such checking and testing shall be borne by the CONTRACTOR at no increased cost to the CITY.
- C. The CONTRACTOR shall provide the following submittals in accordance with ACI 301:
 1. Mill tests for cement.
 2. Admixture certification. Chloride ion content must be included.
 3. Aggregate gradation and certification.
 4. Materials and methods for curing.

- D. The CONTRACTOR shall provide catalog cuts and other manufacturer's technical data demonstrating compliance with the requirements indicated and specified herein for all admixtures used in the concrete mix design.

1.05 QUALITY ASSURANCE

A. General:

1. Tests on component materials and for compressive strength and shrinkage of concrete will be performed as specified herein. Test for determining slump will be in accordance with the requirements of ASTM C 143.
2. The cost of all laboratory tests requested by the CITY ENGINEER on cement, aggregates, and concrete, will be borne by the CITY. However, the CONTRACTOR will be charged for the cost of any additional tests and investigation on work performed which does not meet the Specifications. The laboratory must meet or exceed the requirements of ASTM C 1077.
3. Concrete for testing shall be supplied by the CONTRACTOR at no cost to the CITY, and the CONTRACTOR shall provide assistance to the CITY ENGINEER in obtaining samples, and disposal and cleanup of excess material.

B. Field Compression Tests:

1. Compression test specimens will be taken during construction from the first placement of each class of concrete specified herein and at intervals thereafter as selected by the ENGINEER to ensure continued compliance with these Specifications. Each set of test specimens will be a minimum of five cylinders.
2. Compression test specimens for concrete shall be made in accordance with Section 9.2 of ASTM C 31. Specimens shall be 6 inch diameter by 12 inch high cylinders.
3. Compression tests shall be performed in accordance with ASTM C 39. One test cylinder will be tested at 7 days and two at 28 days. The remaining cylinders will be held to verify test results, if needed.

C. Evaluation and Acceptance of Concrete:

1. Evaluation and acceptance of the compressive strength of concrete shall be according to the requirements of ACI 301 and as specified herein.
2. A statistical analysis of compression test results will be performed according to the requirements of ACI 214. The standard deviation of the test results shall not exceed 640 psi, when ordered at equivalent water content as estimated by slump.
3. If any concrete fails to meet these requirements, immediate corrective action shall be taken to increase the compressive strength for all subsequent batches of the type of concrete affected.
4. When the standard deviation of the test results exceeds 640 psi, the average strength for which the mix is designed shall be increased by an amount necessary to satisfy the statistical requirement that the probability of any test being more than 500 psi below or the average of any three consecutive tests being below the specified compressive strength is 1 in 100. The required average strength shall be calculated by Criterion No. 3 of ACI 214 using the actual standard of deviation.

5. All concrete which fails to meet the ACI requirements and these Specifications, is subject to removal and replacement at no increase in cost to the CITY.

PART 2 - PRODUCTS

2.01 CONCRETE MATERIALS

- A. Materials for concrete shall conform to the following requirements:
 1. Cement shall be standard brand Portland cement conforming to ASTM C 150 for Type II/V per Greenbook Section 201-1.2.1.a(1).
 2. Ready-mix concrete shall conform to the requirements of ASTM C 94.
 3. Admixtures: Refer to Section 201-1.2.4 of the Greenbook for general requirement for chemical admixtures. The following specific requirements shall be followed when using admixtures:
 - a. Air-entraining agent meeting the requirements of ASTM C 260, shall be used. Sufficient air-entraining agent may be used to provide a total air content of 3 to 5 percent.
 - b. Water reducing admixture: Admixtures might be used at the CONTRACTOR's option.
 - c. High range water reducer shall not be used.

2.02 CURING MATERIALS

- A. Materials for curing concrete as specified herein shall conform to the following requirements and ASTM C 309 and as specified in Section 201-4 of the Greenbook.

2.03 MISCELLANEOUS MATERIALS

- A. Bonding agents shall be epoxy adhesives conforming to the following products for the applications specified:
 1. For bonding freshly-mixed, plastic concrete to hardened concrete, Sikadur 32 Hi Mod Epoxy Adhesive, as manufactured by Sika Corporation; Concessive Liquid (LPL), as manufactured by Master Builders; BurkEpoxy MV as manufactured by The Burke Company; or equal.

2.04 CONCRETE DESIGN REQUIREMENTS

- A. Mix Design.
 1. General: Concrete shall be composed of cement, admixtures, aggregates and water. These materials shall be of the qualities specified. The exact proportions in which these materials are to be used for different parts of the Work will be determined during the trial batch. In general, the mix shall be designed to produce a concrete capable of being deposited so as to obtain maximum density and minimum shrinkage and, where deposited in forms, to have good consolidation properties and maximum smoothness of surface. The aggregate gradations shall be formulated to provide fresh concrete that will not promote rock pockets around reinforcing steel or embedded items. The proportions shall be changed whenever

necessary or desirable to meet the required results at no additional cost to the CITY. All changes shall be subject to review by the ENGINEER.

2. The costs for preparation of mix designs (if required by the City to be performed by an independent testing laboratory) and testing of concrete and materials shall be borne by the City, except when materials do not meet specified requirements, in which case such costs shall be borne by the Contractor.
3. The exact proportions by weight of all materials entering into the concrete delivered to the jobsite shall conform to the approved mix design unless specifically so directed by the Engineer or Laboratory for improved specified strength or desired density, uniformity and workability.
4. The proportions of such mix design shall be based on a full cubic yard of hardened concrete.
5. Ready mix companies or jobsite batch plants shall furnish delivery tickets, signed by a Certified Weighmaster, on which each shall state the weight of aggregates, sand, cement, admixtures and water and the number of cubic yards of concrete furnished, which will be compared against the approved mix design.
6. There shall be no variation in the weights and proportions of materials from the approved mix design.
7. There shall be no variation in the quality and source of materials once they have been approved for the specific mix design.
8. Water-Cement Ratio and Compressive Strength: The minimum compressive strength and cement content of concrete shall be not less than that specified in the following tabulation.

<u>Type of Work</u>	<u>Min 28-Day Compressive Strength (psi)</u>	<u>Max Size Aggregate (in)</u>	<u>Minimum Cement per cu yd (lb)</u>	<u>Max W/C Ratio (by weight)</u>
Concrete Curb Ramp	4,000	1/2	540	0.40

B. Consistency

1. The quantity of water entering into a batch of concrete shall be just sufficient, with a normal mixing period, to produce a concrete which can be worked properly into place without segregation, and which can be compacted by the vibratory methods herein specified to give the desired density, impermeability and smoothness of surface. The quantity of water shall be changed as necessary, with variations in the nature or moisture content of the aggregates, to maintain uniform production of a desired consistency. The consistency of the concrete in successive batches shall be determined by slump tests in accordance with ASTM C 143. The slumps shall be as follows:

<u>Part of Work</u>	<u>Slump (in)</u>
All concrete, unless note otherwise	4 - 7 inches
With water reducing admixture	6 inches \pm 2 inches

C. Trial Batch and Laboratory Tests

1. Before placing any concrete, a testing laboratory designated by the CITY will prepare a trial batch of each class of structural concrete, based on the preliminary

concrete mixes submitted by the CONTRACTOR. During the trial batch the aggregate proportions may be adjusted by the testing laboratory using the two coarse aggregate size ranges to obtain the required properties. If one size range produces an acceptable mix, a second size range need not be used. Such adjustments shall be considered refinements to the mix design and shall not be the basis for extra compensation to the CONTRACTOR. All concrete shall conform to the requirements of this Section, whether the aggregate proportions are from the CONTRACTOR's preliminary mix design, or whether the proportions have been adjusted during the trial batch process. The trial batch will be prepared using the aggregates, cement and admixture proposed for the project. The trial batch materials shall be of a quantity such that the testing laboratory can obtain 3 drying shrinkage, and six compression test specimens from each batch. Trial batch testing required shall be performed at the expense of the CONTRACTOR.

2. The determination of compressive strength will be made by testing 6-inch diameter by 12-inch high cylinders; made, cured and tested in accordance with ASTM C 192 and ASTM C 39. One compression test cylinder will be tested at 7 days and 1 at 28 days. The compressive strength for the cylinder tested at 28 days for any given trial batch shall not be less than 125 percent of the specified compressive strength.
3. A sieve analysis of the combined aggregate for each trial batch shall be performed according to the requirements of ASTM C 136. Values shall be given for percent passing each sieve.
4. In lieu of trial batch and laboratory tests specified in this Section, the CONTRACTOR may submit previously-designed, tested, and successfully-used concrete mixes, using materials similar to those intended for this project, together with a certified test reports of the 28-day strength of the proposed concrete mix.

PART 3 - EXECUTION

3.01 PROPORTIONING AND MIXING

- A. Proportioning: Proportioning of the concrete mix shall conform to the requirements of Chapter 3 "Proportioning" of ACI 301.
- B. Mixing: Mixing of concrete shall conform to the requirements of Chapter 7 of ACI 301 Specifications.
- C. Slump: Maximum slumps shall be as specified herein.
- D. Retempering: Retempering of concrete or mortar which has partially hardened shall not be permitted.

3.02 PREPARATION OF SURFACES FOR CONCRETING

- A. General: Earth surfaces shall be thoroughly wetted by sprinkling, before the placing of any concrete, and these surfaces shall be kept moist by frequent sprinkling up to the time of placing concrete thereon. The surface shall be free from standing water, mud, and debris at the time of placing concrete.

- B. Casting New Concrete Against Old: Where concrete is to be cast against old concrete (any concrete which is greater than 60 days of age), the surface of the old concrete shall be thoroughly cleaned and roughened by hydro-blasting or sandblasting (exposing aggregate). The joint surface shall be coated with an epoxy bonding agent unless indicated otherwise by the ENGINEER.
- C. Joints in Concrete: Concrete surfaces upon or against which concrete is to be placed, where the placement of the concrete has been stopped or interrupted so that, as determined by the ENGINEER, the new concrete cannot be incorporated integrally with that previously placed, are defined as construction joints. The surfaces of horizontal joints shall be given a compacted, roughened surface for good bond. The joint surfaces shall be cleaned of all laitance, loose or defective concrete, foreign material, and roughened to a minimum 1/4-inch amplitude. Such cleaning and roughening shall be accomplished by hydroblasting or sandblasting (exposing aggregate) followed by thorough washing. All pools of water shall be removed from the surface of construction joints before the new concrete is placed.
- D. Placing Interruptions: When placing of concrete is to be interrupted long enough for the concrete to take a set, the working face shall be given a shape by the use of forms or other means, that will secure proper union with subsequent Work; provided that construction joints shall be made only where acceptable to the ENGINEER.
- E. Embedded Items: No concrete shall be placed until all formwork, installation of parts to be embedded, reinforcement steel, and preparation of surfaces involved in the placing have been completed and accepted by the CITY ENGINEER at least 4 hours before placement of concrete.
- F. All inserts or other embedded items shall conform to the requirements herein.
- G. All reinforcement, anchor bolts, sleeves, inserts, and similar items shall be set and secured in the forms where shown or by shop drawings and shall be acceptable to the ENGINEER before any concrete is placed. Accuracy of placement is the responsibility of the CONTRACTOR.
- H. No concrete shall be placed in any structure until all water entering the space to be filled with concrete has been properly cut off or has been diverted by pipes, or other means, and carried out of the forms, clear of the Work. Water shall not be permitted to flow over the surface of any concrete in such manner and at such velocity as will injure the surface finish of the concrete.
- I. Corrosion Protection: Pipe, conduit, dowels, and other ferrous items required to be embedded in concrete construction shall be so positioned and supported before placement of concrete that there will be a minimum of 2 inches clearance between said items and any part of the concrete reinforcement. Securing such items in position by wiring or welding them to the reinforcement will not be permitted.
- J. Anchor bolts shall be accurately set, and shall be maintained in position by templates while being embedded in concrete.

3.03 HANDLING, TRANSPORTING, AND PLACING

Refer to Section 303-1.8 of the Greenbook for general concrete placement information.

3.04 PUMPING OF CONCRETE

Refer to Section 303-1.8.3 for concrete depositing instructions.

3.05 CONSOLIDATION

Refer to Section 303-1.8.4 of the Greenbook for concrete consolidation.

3.06 FINISHING CONCRETE SURFACES

Refer to Section 303-1.9 of the Greenbook for concrete surface finish information.

3.07 CURING AND DAMPPROOFING

A. Refer to Section 303-1.10 of the Greenbook for curing instructions.

3.08 PROTECTION

A. Protect all concrete against injury until final acceptance by the CITY.

B. Fresh concrete shall be protected from damage due to rain, hail, sleet, or snow. Provide such protection while the concrete is still plastic and whenever such precipitation is imminent or occurring.

3.09 CARE AND REPAIR OF CONCRETE

A. The CONTRACTOR shall protect all concrete against injury or damage from excessive heat, lack of moisture, overstress, or any other cause until final acceptance by the CITY. Particular care shall be taken to prevent the drying of concrete and to avoid roughening or otherwise damaging the surface. Any concrete found to be damaged, or which may have been originally defective, or which becomes defective at any time before the final acceptance of the completed Work, or which departs from the established line or grade, or which, for any other reason, does not conform to the requirements of the Contract Documents, shall be satisfactorily repaired or removed and replaced with acceptable concrete at the CONTRACTOR's expense.

END OF SECTION

SECTION 033050
CURB RAMP DEMOLITION AND INSTALLATION

PART 1 GENERAL

1.1 DESCRIPTION

This section includes instructions for partial demolition of existing (non-compliant) concrete curb ramps that are located above underground structures such as garage or basement, and installation of new concrete curb ramp with Detectable Warning Tile (DWT). This section only covers the curb ramps with the following characteristics:

- A. Existing curb ramp meeting the grade requirements and only need replacement of the DWT.
- B. Existing curb ramps concrete topping and DWT required demolition and replaced with new concrete topping and DWT.

1.2 RELATED DOCUMENTS

- A. City of San Diego – Standard Drawings for Public Work Construction, SDG-130.
- B. Standard Specification for Public Works Construction (Greenbook), 2018.
- C. Standard Specification for Public Works Construction (Whitebook), 2018, Section 218.
- D. Cast-In-Place Concrete – Section 03300.

1.3 SUBMITTALS

- A. Contractor shall cooperate with Engineer in obtaining and providing samples of all specified materials.
- B. Contractor shall submit 3 copies of manufacturer’s product data sheet and DWT installation instructions.

PART 2 PRODUCTS

2.1 MATERIALS

- A. DWT shall either be made of composite material or stainless steel.
- B. Depending on the modifications required for each existing curb ramp, the DWT shall be one of the following categories:
 - 1. Existing curb ramp meet grading requirement: Where existing curb ramp meets grading requirements but missing or having DWT of the wrong dimensions, use surface applied DWT made by a manufacturer per the City’s AML.
 - 2. Existing curb ramps requiring demolition and new concrete pour: Where demolition is required to bring existing curb ramp to current standard, cast-in-place AND replaceable DWT shall be used. DWT shall be made by a manufacturer per

the City's AML.

Refer to the Section 218-3 of the Whitebook for additional information.

PART 3 EXECUTION

3.1 DEMOLITION OF EXISTING CURB RAMP

Unless approved by the Engineer, and it has been verified that no underground structure is located near or below the curb ramp, demolition work on all curb ramp shall be done by saw cutting the concrete surface and slowly chipping the concrete. Demolition by jack hammering is prohibited. Follow the steps outlined below for removal of existing concrete:

- A. Prior to demolition work, the Contractor shall determine if there exist any electrical and/or communication conduit embedded below the existing curb ramp. The Contractor shall be responsible for locating the conduits, if existed, and sequencing the demolition work to not damage the electrical/communication lines below. Any cost arising from damages done to electrical/communication line below the curb ramp shall be borne by the Contractor.
- B. Follow the limit of concrete removal shown on the plan.
- C. Begin concrete removal by saw cutting the concrete surface. The direction, orientation and number of cuts shall be determined by the Contractor. However, the depth of saw cut shall not be more than 2 inches each pass.
- D. Adjust saw cut depth for each successive pass until the final depth shown on the plan is achieved.
- E. Concrete layer shall be removed by chipping the saw-cut concrete. Take extreme care to not damage the underground basement/garage roof structures.
- F. If reinforcement is encountered during curb ramp concrete removal, clearly mark the location and note the depth of concrete cover over the reinforcement. Notify the Engineer to determine whether the reinforcement is part of the curb ramp design or the underground structures.
- G. Clearly mark any damage to the surrounding hardscape outside the limit of removal for repair.

3.2 REMOVAL OF EXISTING DETECTABLE WARNING TILE

In areas where the existing concrete curb ramps meets current standards but having DWT of the wrong size, Contractor shall remove only the DWT with minimal damage to the surrounding curb ramp area. Removal of existing DWT by jack hammering is prohibited. Follow the steps outlined below for removal of existing DWT:

- A. Identify the material and installation methods of existing DWT. Limit the area of demolition work to no more than 6 inches beyond the perimeter of new DWT footprint.
- B. If existing DWT was installed using anchor bolts, remove anchor bolts prior to prying

loose the DWT. Contractor might chip around the existing DWT perimeter to loosen it prior to removal.

- C. If removal of the whole DWT unit is not practical, Contractor may saw cut the existing DWT into smaller, more manageable strips.
- D. Saw cutting and/or chipping of concrete shall not extend 4 inches below existing surface.
- E. After removal of existing DWT, Contractor shall prepare and provide a level surface with a ¼-inch amplitude roughness for placement on new concrete and installation of new DWT.
- F. See Section 3.4 and manufacturer's recommendation for installation instructions of new DWT.

3.3 INSTALLATION OF NEW CONCRETE CURB RAMP

- A. Prior to placing the new concrete curb ramp, the existing hardened concrete surface shall be roughened to a minimum ¼" amplitude.
- B. If reinforcement is found during the concrete removal process, provide new reinforcing matching the existing reinforcing. New reinforcing shall be doweled into the existing concrete curb/side walk a minimum 6-inch using Hilti HIT-HY 100 epoxy or equal.
- C. Prior to pouring fresh concrete, apply bonding agent such as Sikadur 32 Hi Mod Epoxy Adhesive, as manufactured by Sika Corporation; Concessive Liquid (LPL), as manufactured by Master Builders; BurkEpoxy MV as manufactured by The Burke Company; or equal.

3.4 INSTALLATION OF NEW DETECTABLE WARNING TILES (DWT)

Detectable warning tiles (DWT) shall be of the design that allows for cast-in-place installation into wet concrete AND be replaceable. Detectable warning tiles shall be installed as per the manufacturer's instructions. However, regardless of installation method, the following requirements shall be followed:

- A. Prior to start of construction, the Contractor shall provide approved temporary curb ramps to provide access to the designated route areas.
- B. Detectable warning tiles shall be oriented such that the rows of domes are parallel with the direction of the ramp. When multiple tiles (regardless of size) are used, the domes shall be aligned between the tiles and throughout the entire detectable surface installation.
- C. The edge of the tile nearest to the street shall be between 6 inches to 8 inches from the gutter flow line.
- D. The final finished slope of the DWT shall be as per the drawings.
- E. To avoid possible trip hazard, the top of DWT surface shall be flushed with the surrounding concrete areas.
- F. The edges of the DWT shall be properly sealed.

- G. Anchorage used to secure the DWT shall not protrude higher than the height of the domes.
- H. The DWT shall be used as shown on the plans. The specified DWT material shall not be changed without written approval of the Engineer.

If DWT is installed using mechanical means such as screws or anchor bolts, the screws or anchor bolts shall meet the following criteria:

- A. All screw or anchors bolts shall be of stainless steel material with minimum diameter of 3/8-inch and 2-inch long.
- B. The first row of anchoring screw/bolt shall be 3-inch minimum from the edge and no more than 5-inch from the edge. Anchoring shall have rectangular pattern. Interior spacing of anchors shall be no more than 12 inches. If the manufacturer's recommendation for anchor spacing and pattern is different, obtain approval from the City Engineer prior to installation.

3.5 PROTECTION

- A. CONTRACTOR shall always have materials available to protect the surface of the plastic concrete against rain. These materials shall consist of waterproof paper or plastic sheeting. For slip-form construction, materials such as wood planks or forms to protect the edges shall also be required. Concrete damaged by rain shall be required to be removed and replaced at CONTRACTOR's expense.
- B. CONTRACTOR shall be responsible for correcting any vandalism or defacement (graffiti) that occurs on the concrete prior to final acceptance.

3.6 CURING

- A. Concrete shall be cured for at least ten (10) days after placement to protect against loss of moisture, rapid temperature change, and mechanical injury prior to any overlay or reconstruction work. Moist burlap, waterproof paper, white polyethylene sheeting, white liquid membrane compound, or a combination thereof may be used as the curing material.

3.7 CLEAN-UP

- A. The surface of the concrete shall be thoroughly cleaned upon completion of the WORK and prior to the substantial completion walk through, and the site left in a neat and orderly condition.

END OF SECTION

SUPPLEMENTARY SPECIAL PROVISIONS
APPENDICES

APPENDIX A
CONSISTENCY MEMO



THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: November 30, 2021

TO: Carrie Purcell, Interim Deputy Director, Engineering and Capital Projects Department

FROM: Mayra Medel, Senior Planner, Engineering and Capital Projects Department

SUBJECT: Downtown Mobility Plan (AKA Downtown Complete Streets Implementation and Downtown San Diego Mobility Plan Cycle Way) Curb Ramp Improvement Group 1701; WBS# B-17114.02.06; Downtown San Diego, City Council Districts 3 and 8

This memo provides a California Environmental Quality Act (CEQA) Section 15162 consistency evaluation for the Curb Ramp Improvement Group 1701 (“Project”), located within Downtown San Diego. This type of project activity was evaluated pursuant to CEQA in the Final Supplemental Environmental Impact Report (FSEIR) for the Downtown San Diego Mobility Plan (FSEIR-SCH No. 2014121002), which was certified by the San Diego City Council by Resolution (R-310562) on July 6, 2016.

State CEQA Guidelines Section 15162 sets forth the criteria for determining the appropriate additional environmental documentation, if any, to be completed when there is a previously approved Mitigated Negative Declaration (MND) or Environmental Impact Report (EIR) addressing the project for which a subsequent discretionary action is required. If impacts associated with the amended project are not related to substantial changes in the project that result in new significant impacts (or the increase in severity of previously identified impacts), the project may be found consistent with existing documentation, and no new MND or EIR, or an addendum to the existing MND or EIR, would be required.

Background and Project Description

The Downtown Mobility Plan (DMP) is an accompanying document to Chapter 7 (Mobility) of the Downtown Community Plan (DCP) and was prepared as a long-range plan for multimodal transportation within Downtown that supports more active and more comprehensive transportation options.

The DMP FSEIR was prepared to address the potential environmental effects of amending the Downtown Community Plan Transportation Chapter in 2016, along with adoption of a new Mobility Plan and Mobility Chapter consistent with the new Mobility Plan to update transportation planning for the 1,445-acre Downtown study area in accordance with the General Plan’s transportation goals and policies, the SANDAG Smart Growth Concept Map

(SANDAG 2014), and the 2008 California Complete Streets Act. The FSEIR only included information necessary to make the 2006 PEIR adequate for the adoption of the Mobility Plan and amending of the Transportation Chapter of the Downtown Community Plan. The FSEIR provides analysis of potential environmental impacts in specific issue areas such as land use and planning, transportation, greenhouse gas emissions, air quality, noise, and hydrology/water quality. DMP projects (or Complete Streets Implementation projects) would identify the type and location of proposed downtown mobility improvements.

The Project proposes mobility improvements in Downtown San Diego by installing new curb ramps that comply with the American Disabilities Act (ADA). The work also involves all other appurtenances associated with the new curb ramps, such as installing new and relocating existing pedestrian push button poles, pedestrian barricades/railing, sign posts, and street lights; replacing existing curb, gutter, and sidewalks affected by the curb ramp upgrade; and installing continental crosswalks.

The Project further implements the following goals and policies of the City's General Plan Mobility Element, as well as implementing the goals and policies described in Chapter 3 – Complete Streets and Chapter 5 – Bicycling of the Downtown San Diego Community and Mobility Plans:

- Walkable Communities
 - o Create a safe and comfortable pedestrian environment.
 - o Create a complete, functional, and interconnected pedestrian network that is accessible to pedestrians of all abilities.
 - o Greater walkability achieved through pedestrian-friendly street, site, and building design.
- Streets and Freeway Systems
 - o Keep well-maintained streets.
 - o Create safe and efficient street design that minimizes environmental and neighborhood impacts.

Environmental Considerations

In accordance with Section 15163 of the CEQA Guidelines, the Downtown San Diego Mobility Plan FSEIR (2016) analyzed the potential environmental impacts as compared to the approved Downtown Community Plan (2006) for the following specific issue areas where changes were necessary to make the 2006 Program Environmental Impact Report (PEIR) adequate: land use and planning, transportation/access/parking, greenhouse gas (GHG) emissions, air quality, noise, and hydrology/water quality. The FSEIR included any previously identified mitigation that would be necessary to carry forward to maintain the same conclusions concerning the significance of impacts with mitigation incorporated. Any new feasible mitigation measures that could be utilized to avoid or minimize the significant environmental impacts of the Mobility Plan, or where previous mitigation measures were proposed for modification, were adopted in a new Mitigation, Monitoring and Reporting Program (MMRP) which updated and replaced the MMRP adopted with 2006 Downtown Community Plan and 2006 PEIR, including MMRP revisions adopted in 2010. The MMRP addressed the following changes and updates from the 2006 PEIR MMRP, as revised in 2010: (1) measures from the 2006 PEIR which have been satisfied and removed; (2) specific traffic mitigation measures updated to reflect the Mobility Plan and its traffic analysis; and (3) applicable mitigation measures from the 2006 PEIR carried over into the FSEIR. The MMRP

identified mitigation measures for project activities related to air quality, historical resources, noise, paleontological resources, and transportation and circulation (FSEIR pages 6-3 through 6-39).

As further described in Section 1.5 of the FSEIR, for an individual project proposed in Downtown San Diego, an analysis must be completed in compliance with Sections 15168 and 15180 of the State CEQA Guidelines to determine if the 2006 PEIR and FSEIR documents adequately address the potential environmental impacts of the future project. Where consistent with the 2006 PEIR and the FSEIR, documentation shall be prepared to summarize the consistency and compliance of the project and no further analysis would be required pursuant to CEQA. Based on this direction, the following environmental issue areas were considered with respect to the current Project and determined to be consistent with the 2006 PEIR for the Downtown Community Plan and the FSEIR for the Downtown San Diego Mobility Plan with mitigation incorporated, where applicable:

Air Quality

The Project would improve and provide more efficient flow of pedestrian traffic and would not negatively affect air quality beyond that already analyzed by the FSEIR. Construction activities associated with Project-related improvements could involve emission-generating equipment and dust from the grinding and removal of existing sidewalks, curbs, and pedestrian ramps. As such, Mitigation Measure AQ-B.1-1 will be implemented to reduce the potential for impacts involving equipment engine emissions, and for dust control during excavation and demolition as appropriate, such as dust control techniques and the use of low VOC (volatile organic compounds) paints.

Transportation and Circulation (Traffic Capacity)

The Project would improve and provide more efficient flow of pedestrian traffic and would not negatively affect traffic capacity beyond that already analyzed by the FSEIR. Mitigation for impacts related to vehicular traffic capacity typically involve signaling or adding a dedicated turn lane, widening a roadway, or removing street parking. As the Project is limited to curb ramp improvements to comply with ADA, it would not impact traffic capacity, and no mitigation measures are required.

Within Downtown San Diego, the right-of-way is constrained as the entire area is built out. Mitigation measures, such as removing street parking, dedicated turn lanes, and signal modifications, have been and will be implemented by other DMP projects, including Phases 1A, 1B, 2A, 2B, and 3A1. In some instances, the identified mitigation fully or partially mitigates the vehicular traffic impact. In other instances, mitigation would not be feasible, as the physical right-of-way available would preclude implementation. Improvements would not fully reduce impacts at six intersections, and are infeasible at eight intersections, therefore, impacts would remain significant and unavoidable with implementation of the combined DMP projects.

As such, the City Council adopted Candidate Findings and a Statement of Overriding Considerations (SOCs), which states the specific reasons why the overall benefits of the combined DMP projects outweigh the unavoidable adverse environmental effects of projects. The FSEIR Findings and SOCs further describe the significant unavoidable environmental effects, and where applicable, feasible mitigation measures to reduce impacts, but not to below a level of significance. As previously stated above, the MMRP adopted in conjunction with certification of the FSEIR, updated and replaced the MMRP adopted with 2006

Downtown Community Plan and 2006 PEIR, including MMRP revisions adopted in 2010, and as such, some transportation impacts remain significant and unavoidable, even with implementation of applicable mitigation measures.

Historical Resources (Archaeology)

The Project involves surface and below-ground improvement to install new curb ramps and associated appurtenances. As described in the Downtown Community Plan 2006 PEIR, archaeological resources may be difficult to detect prior to construction activities, as they are located underground. In the Downtown planning area, archaeological resources have been found within inches of the ground surface. Therefore, the potential to affect important archaeological sites exists if construction-related activities require even minimal grading and/or excavation, including areas that have been minimally excavated in the past.

Based on review of the Project scope by qualified staff with archaeological expertise, proposed construction activities associated with the installation of new and/or relocation of existing curb ramps, pedestrian push button poles, pedestrian barricades/railing, sign posts, and street lights do not have the potential to impact buried archaeological resources and/or human remains. Therefore, no mitigation measures are required for historical resources (archaeology).

Paleontological Resources

The Project would not require excavation to depths of 10 feet or great into areas where high or moderate potential fossil bearing formations could be impacted. Maximum depth of excavation for select Project components is anticipated to be four feet. However, in the event that a change in the Project scope requires excavation into high or moderate fossil bearing formations at depths 10 feet or greater, paleontological monitoring would be required in accordance with the Downtown Community Plan PEIR (**Mitigation Measure PAL-A.1-1**) and Municipal Code Section 142.0151 (Paleontological Resources Requirements for Grading Activities), which requires paleontological monitoring during excavations.

Other Mitigation Measures

Mitigation measures involving land use, historical resources (built environment) and noise apply only to building construction and are not applicable to the Project.

Environmental Conclusions

Section 15162 of the State California Environmental Quality Act Guidelines states that when an Environmental Impact Report has been certified or a Negative Declaration adopted for a project, no subsequent or supplemental Environmental Impact Report or Negative Declaration shall be prepared for that project unless one or more of the following events occur:

1. Substantial changes are proposed to the project
2. Substantial changes occur with respect to circumstances under which the project is being undertaken
3. New information, which was not known or could not have been known at the time the Environmental Impact Report or Negative Declaration was certified as complete, becomes available.

Based on the above criteria, and taking into consideration the additional analysis conducted by the Engineering and Capital Projects Department, along with review of the previously certified FSEIR for the Downtown San Diego Mobility Plan, it was concluded that there are no substantial changes to the Project; that the Project would not result in new impacts or changed circumstances that would require a subsequent or new EIR; and there is no new information available that was not part of the original environmental document and/or considered with subsequent review of the Project which identifies new significant effects not addressed in the previous document or a substantial increase in the severity of previously identified effects.

Therefore, because none of the three above criteria have occurred, the Engineering and Capital Projects Department has determined that a subsequent or supplemental environmental document for the proposed Project is not required. All Project issues and potential for significant impacts have been adequately addressed pursuant to CEQA for the Project.

This Memorandum reflects the Lead Agency's independent judgment and analysis and can be used by the City Decision-Maker or Mayor-Appointed Designee when approving the Project.

Concurrence Statement and Signature per Planning/Engineering and Capital Projects Department CEQA MOU

I concur with the information and conclusion presented within this memo:

Carrie Purcell
Signature

11/30/21
Date

Carrie Purcell,
Interim Deputy Director

- Enclosures: 1. [Location Map](#)
2. [Project Plans](#)
3. [FSEIR](#)
4. [DMP](#)

cc: James Arnhart, Project Officer II, PPD Division
Mayra Medel, Senior Planner, PPD Division
Zach Barhoumi, Senior Engineer, TUE Division
Aveen Saleh, Associate Engineer, TUE Division



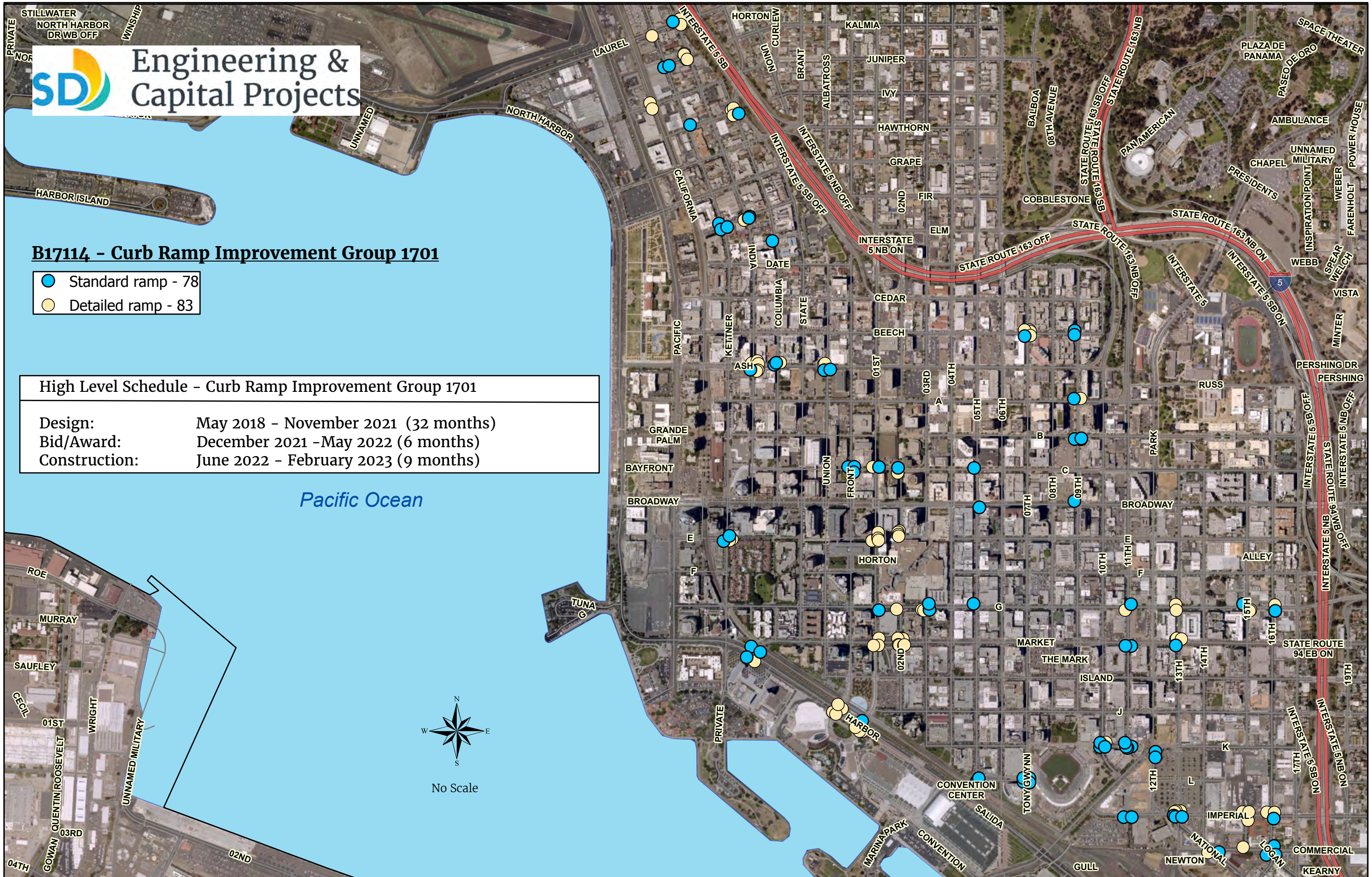
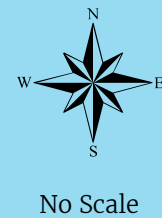
B17114 - Curb Ramp Improvement Group 1701

- Standard ramp - 78
- Detailed ramp - 83

High Level Schedule - Curb Ramp Improvement Group 1701

Design:	May 2018 - November 2021 (32 months)
Bid/Award:	December 2021 - May 2022 (6 months)
Construction:	June 2022 - February 2023 (9 months)

Pacific Ocean



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CONTRACTOR'S RESPONSIBILITIES

- 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.
- 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).
- STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
- 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.
- PROTECT EXISTING UTILITIES, WATER METER/UTILITY PULL BOX AND ELECTRICAL BOX IN PLACE AND ADJUST TO GRADE.
- ALL EXISTING SITE CONDITIONS TO BE DOCUMENTED PRIOR TO ANY DEMOLITION AND/OR EXCAVATION.
- CONTRACTOR TO NOTIFY THE PROPERTY OWNER BEFORE RELOCATING EXISTING TREES OR SPRINKLER HEADS PER PLAN.
- PROTECT EXISTING DRY UTILITIES, AND COORDINATE ADJUSTMENT TO GRADE WITH DRY UTILITY OWNER.
- FOR NEW OR RELOCATED SIGNAL AND/OR PEDESTRIAN PUSH BUTTON (PPB) POLES, THE HOUSING ASSEMBLY FOR THE PPB'S SHALL BE REPLACED WITH A METALLIC HOUSING WITH A COLOR THAT MATCHES COLOR NO. 33538 OF FED-STD-595.
- CONTRACTOR TO PROTECT ANY EXISTING WALLS BEHIND THE SIDEWALK DURING DEMOLITION AND CONSTRUCTION.

CONSTRUCTION STORM WATER PROTECTION NOTES

- TOTAL SITE DISTURBANCE AREA (ACRES): 0.55
HYDROLOGIC UNIT/ WATERSHED: PUEBLO SAN DIEGO/SAN DIEGO BAY
HYDROLOGIC SUBAREA AND NO: SEE SHEET INDEX
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE
 WPCP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100
 SWPPP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWO AS AMENDED BY ORDER 2010-0014-DWO AND 2012-0006-DWO
TRADITIONAL: RISK LEVEL 1 2 3
LUP: RISK TYPE 1 2 3
- CONSTRUCTION SITE PRIORITY
 ASBS HIGH MEDIUM LOW

TRAFFIC CONTROL NOTES

THE CONTRACTOR SHALL, PER SECTION 601-2 OF THE CITY SUPPLEMENT TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, PREPARE TRAFFIC CONTROL WORKING DRAWINGS AND SUBMIT THEM TO THE RESIDENT ENGINEER, WHO WILL THEN ROUTE THEM TO THE PUBLIC WORKS TRAFFIC CONTROL SECTION FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL ALLOW A MINIMUM OF TWENTY (20) WORKING DAYS FOR REVIEW OF THE WORKING DRAWINGS. UPON APPROVAL OF THE TRAFFIC CONTROL WORKING DRAWINGS, THE PUBLIC WORKS TRAFFIC CONTROL SECTION WILL ISSUE A TRAFFIC CONTROL PLAN (TCP) PERMIT. WORK SHALL NOT BEGIN IN THE PUBLIC RIGHT OF WAY WITHOUT THE TCP PERMIT.

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.

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

WARNING

0 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



CURB RAMP IMPROVEMENT GROUP 1701

SHEET INDEX

SHEET NO.	DISCIPLINE CODE	TITLE	LIMITS	HYDROLOGIC SUBAREA NAME	HYDROLOGIC SUBAREA NUMBER
1	G-1	COVER SHEET			
2-3	G-2 TO G-3	GENERAL NOTES			
4	C-1	BMP MAP FOR STANDARD DEVELOPMENT PROJECTS			
5	C-2	CURB RAMP LOCATIONS	KETTNER BLVD & LAUREL ST TO KETTNER BLVD & KALMIA ST LAUREL ST & INDIA ST CALIFORNIA ST & JUNIPER ST	LINDBERGH	908.21
6	C-3	CURB RAMP LOCATIONS	IVY ST & KETTNER BLVD TO IVY ST & COLUMBIA ST FIR ST & KETTNER BLVD TO FIR ST & INDIA ST COLUMBIA ST & ELM ST	LINDBERGH	908.21
7	C-4	CURB RAMP LOCATIONS	ASH ST & INDIA ST TO ASH ST & UNION ST E ST & KETTNER BLVD	LINDBERGH	908.21
8	C-5	CURB RAMP LOCATIONS	G ST & 1ST AVE TO G ST & 5TH AVE	LINDBERGH	908.21
9	C-6	CURB RAMP LOCATIONS	BEECH ST & 7TH AVE TO BEECH ST & 9TH AVE A ST & 9TH AVE B ST & 9TH AVE	LINDBERGH	908.21
10	C-7	CURB RAMP LOCATIONS	BROADWAY & 9TH AVE G ST & 11TH AVE TO G ST & 13TH ST	LINDBERGH	908.21
11	C-8	CURB RAMP LOCATIONS	G ST & 15TH ST TO G ST & 17TH ST	CHOLLAS	908.22
12	C-9	CURB RAMP LOCATIONS	IMPERIAL AVE & 11TH AVE TO IMPERIAL AVE & 16TH ST	CHOLLAS	908.22
13	C-10	CURB RAMP LOCATIONS	5TH AVE & L ST TO TONY GWYNN DR	LINDBERGH	908.21
14	C-11	CURB RAMP LOCATIONS	10TH AVE & K ST 11TH AVE & K ST PARK BLVD & K ST	LINDBERGH CHOLLAS CHOLLAS	908.21 908.22 908.22
15	C-12	CURB RAMP LOCATIONS	BROADWAY & 5TH AVE BROADWAY CIRCLE E ST & FRONT ST TO E ST & 1ST AVE	LINDBERGH	908.21
16	C-13	CURB RAMP LOCATIONS	A ST & COLUMBIA ST C ST & FRONT ST TO C ST & 5TH AVE	LINDBERGH	908.21
17	C-14	CURB RAMP LOCATIONS	MARKET ST & 1ST AVE TO MARKET ST & 2ND AVE MARKET ST & 11TH AVE TO MARKET ST & PARK BLVD MARKET ST & 13TH AVE	LINDBERGH LINDBERGH CHOLLAS	908.21 908.21 908.22
18	C-15	CURB RAMP LOCATIONS	HARBOR DR & MARKET ST TO HARBOR DR & 1ST AVE	LINDBERGH	908.21
19	C-16	CURB RAMP LOCATIONS	COMMERCIAL ST & NATIONAL AVE TO COMMERCIAL ST & 16TH ST	CHOLLAS	908.22
20-75	C-17 TO C-72	CURB RAMP DETAIL	GROUP 1701		

GENERAL CURB RAMP NOTES

- THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST (AML).
- CONTRACTOR MAY USE NON-STAINLESS MATERIAL PER CITY'S AML IF THE DWT HAS TO BE TRIMMED TO CONFORM TO THE CURB RAMP CONFIGURATION.
- CONTRACTOR SHALL USE CALTRANS 2018 STANDARD PLANS FOR ALL CURB RAMPS WITHIN CALTRANS RIGHT OF WAY.
- THE CONSTRUCTION OF THE CURB RAMP SHALL NOT AFFECT THE DRAINAGE PATTERN ON THE STREET.
- CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN.
- COUNTER SLOPES (CURB RAMP SLOPES PLUS STREET SLOPE) WHEN ADDED CANNOT EXCEED 13% WITH THE EXCEPTION OF A TYPE C2 AND C1. ADJUST THE SLOPE OF THE MAIN RAMP IF THE COUNTER SLOPE EXCEEDS 5.0%.
- PROTECT AND KEEP ALL HISTORIC STAMPS 45 YEARS OR OLDER WITHIN SIDEWALK, CURB, AND CURB RAMP AREA.
- ALL CURB RAMPS INCLUDING THE CURB AND GUTTER SHALL BE COLORED FRENCH GRAY (C-14) BY SCOFIELD OR APPROVED EQUAL.
- CONTRACTOR SHALL ADHERE TO THE CENTER CITY STREETScape MANUAL (CCSM) TO MATCH THE EXISTING SURROUNDING COLOR, PATTERN AND TEXTURE ON SIDEWALK PANELS REPLACED OR DISTURBED.
- ADJUST LIMIT LINES SO THAT THEY ARE PLACED BEFORE EACH CURB RAMP. RESTRIPE USING 12" WIDE WHITE THERMOPLASTIC STRIPING.
- PROVIDE A MINIMUM 4' TRANSITION BETWEEN THE CURB RAMP AND ADJACENT SIDEWALK IF THE CROSS SLOPE OF THE SIDEWALK ADJACENT TO THE CURB RAMP IS MORE THAN 2%.
- RETAINING CURB SHALL BE PROVIDED BEHIND THE ENTIRE CURB RETURN IF THE ADJACENT GRADE BEHIND THE SIDEWALK IS HIGHER OR LOWER THAN THE SIDEWALK/CURB RAMP SURFACE. IF HIGHER, THE HEIGHT OF THE CURB RETURN SHALL BE 2" HIGHER THAN THE ADJACENT GRADE.
- CONTRACTOR TO PROVIDE STAMP AT ALL NEW AND REPLACEMENT CURB RAMP LOCATIONS SHOWING CONTRACTORS NAME AND YEAR INSTALLED.
- THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.

DISCIPLINE CODE
G GENERAL
C CIVIL

FIELD DATA

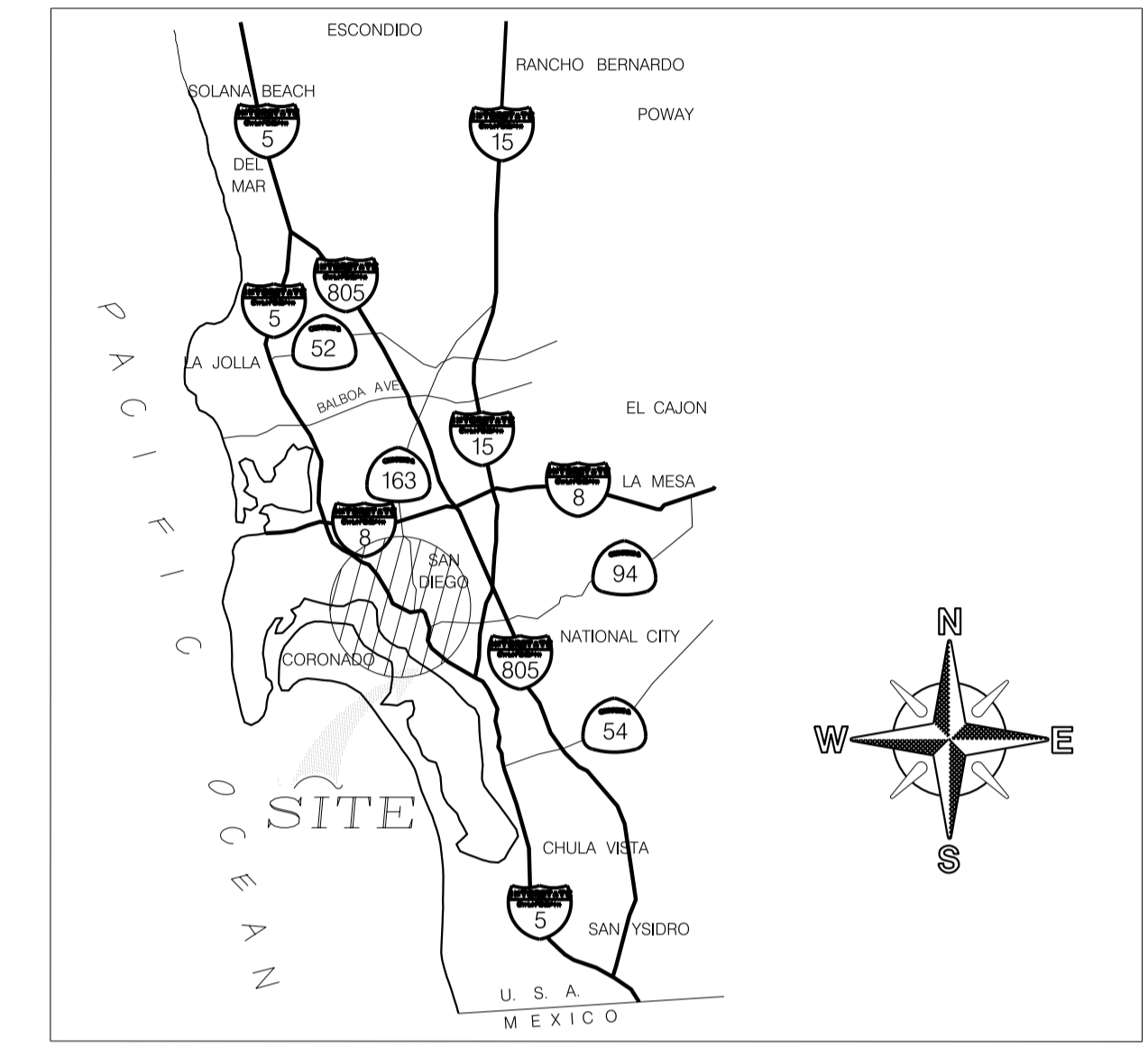
SEE INDIVIDUAL SHEETS FOR TOPO SOURCE

WORK TO BE DONE

THE IMPROVEMENTS CONSISTING OF CURB RAMP INSTALLATION, AND ALL OTHER WORK AND APPURTENANCES SHALL BE IN ACCORDANCE TO THE PLANS, THE STANDARD SPECIFICATIONS, AND THE STANDARD DRAWINGS OF THE CITY OF SAN DIEGO.

VICINITY MAP

NOT TO SCALE



STREET CLASSIFICATION

STREET NAME	STREET CLASSIFICATION	ADT
KETTNER BLVD	COLLECTOR (FROM W LAUREL ST TO W G ST)	N/A
INDIA STREET	RESIDENTIAL (FROM LAUREL ST TO W MAPLE ST) COLLECTOR (FROM W LAUREL ST TO W A ST)	N/A
COLUMBIA STREET	RESIDENTIAL (FROM W JUNIPER ST TO W HAWTHORN ST), RESIDENTIAL (FROM W BEECH ST TO W A ST)	N/A
W ASH ST	COLLECTOR (FROM KETTNER BLVD TO STATE ST)	N/A
G STREET	COLLECTOR (FROM 1ST AVE TO 17TH AVE)	
IMPERIAL AVE	MAJOR (FROM 11TH AVE TO 12TH AVE) MAJOR (FROM 13TH ST TO 16TH ST)	N/A
PARK BLVD	MAJOR (FROM IMPERIAL AVE TO 11TH AVE) COLLECTOR (FROM 11TH TO K ST)	N/A
BROADWAY CIR	RESIDENTIAL	N/A
C STREET	N/A (FROM FRONT ST TO 1ST AVE) COLLECTOR (FROM 1ST AVE TO 2ND AVE) RESIDENTIAL (FROM 2ND AVE TO 6TH AVE)	N/A
MARKET ST	MAJOR (FROM 1ST AVE TO 14TH ST)	N/A
HARBOR DR	PRIME (FROM 1ST AVE TO MARKET ST)	N/A
COMMERCIAL ST	RESIDENTIAL (FROM 13TH ST TO 16TH ST)	N/A

G-1

PLANS FOR THE CONSTRUCTION OF CURB RAMP IMPROVEMENT GROUP 1701 COVER SHEET

SPEC. NO.	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 1 OF 75 SHEETS	WBS* B-17114
APPROVED:	FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#
DESCRIPTION	BY	APPROVED
ORIGINAL	JM	
DATE		
FILMED		
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	
		40677-01-D

90% DESIGN

CURB RAMP IMPROVEMENT GROUP 1701

SECTION XX. RAILROAD RELATIONS

XX-1.01 GENERAL

THE TERM "RAILROAD" SHALL MEAN THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM (MTS) AND NORTH COUNTY TRANSIT DISTRICT (NCTD).

THE CONTRACTOR MUST UNDERSTAND THE CONTRACTOR'S RIGHT TO ENTER RAILROAD'S RIGHT OF WAY IS SUBJECT TO THE ABSOLUTE RIGHT OF RAILROAD TO CAUSE THE CONTRACTOR'S WORK ON RAILROAD'S RIGHT OF WAY TO CEASE IF, IN THE OPINION OF RAILROAD, CONTRACTOR'S ACTIVITIES CREATE A HAZARD TO RAILROAD'S RIGHT OF WAY, EMPLOYEES, AND OPERATIONS.

XX-1.02 RAILROAD RIGHT OF ENTRY REQUIREMENTS

THE CONTRACTOR SHALL OBTAIN A JOINT RIGHT OF ENTRY PERMIT FROM THE RAILROAD PRIOR TO ENTERING OR CONSTRUCTING ON PROPERTY OWNED BY THE RAILROAD. THE CONTRACTOR SHALL ABIDE BY THE TERMS OF THE RIGHT OF ENTRY PERMIT. THE TERMS OF THE RIGHT OF ENTRY PERMIT WILL GOVERN IF THERE ARE ANY CONFLICTS WITH THESE SPECIAL PROVISIONS. INFORMATION ON OBTAINING A RIGHT OF ENTRY PERMIT CAN BE OBTAINED AT <http://www.sdmts.com/business-center-permits/right-entry> and <http://www.gonctd.com/ROW>

SECTION XX RAILROAD RELATIONS

XX-1.01 GENERAL

THE TERM "RAILROAD" SHALL MEAN THE SAN DIEGO METROPOLITAN TRANSIT SYSTEM (MTS) AND SAN DIEGO TROLLEY INC. (SDTI) AND/OR SAN DIEGO ARIZONA & EASTERN RAILROAD (SD&AE).

THE CONTRACTOR MUST UNDERSTAND THE CONTRACTOR'S RIGHT TO ENTER RAILROAD'S RIGHT OF WAY IS SUBJECT TO THE ABSOLUTE RIGHT OF RAILROAD TO CAUSE THE CONTRACTOR'S WORK ON RAILROAD'S RIGHT OF WAY TO CEASE IF, IN THE OPINION OF RAILROAD, CONTRACTOR'S ACTIVITIES CREATE A HAZARD TO RAILROAD'S RIGHT OF WAY, EMPLOYEES, AND OPERATIONS.

XX-1.02 RAILROAD RIGHT OF ENTRY REQUIREMENTS

THE CONTRACTOR SHALL OBTAIN A RIGHT OF ENTRY PERMIT FROM THE RAILROAD PRIOR TO ENTERING OR CONSTRUCTING ON PROPERTY OWNED BY THE RAILROAD. THE CONTRACTOR SHALL ABIDE BY THE TERMS OF THE RIGHT OF ENTRY PERMIT. THE TERMS OF THE RIGHT OF ENTRY PERMIT WILL GOVERN IF THERE ARE ANY CONFLICTS WITH THESE CONTRACT SPECIAL PROVISIONS. INFORMATION ON OBTAINING A RIGHT OF ENTRY PERMIT CAN BE OBTAINED AT <http://www.sdmts.com/business-center-permits/right-entry> OR CONTACTING MTS RIGHT OF WAY SERVICES TEL (619) 557-4520 email: mtsrow@sdmts.com.

MTS STANDARD CONSTRUCTION NOTES:

1. A RIGHT OF ENTRY (ROE) PERMIT IS NECESSARY WHEN ENTERING MTS /SAN DIEGO AND ARIZONA EASTERN (SD&AE) RIGHT-OF-WAY (MTS RW), INCLUDING AIRSPACE, FOR ANY PURPOSE. A ROE PERMIT IS ALSO REQUIRED WHEN WORKING IN PUBLIC RIGHT-OF-WAY OCCUPIED BY MTS /SD&AE FACILITIES. INFORMATION TO APPLY FOR ROE CAN BE OBTAINED FROM MTS'S WEBSITE AT: <http://www.sdmts.com/BusinessPermits.asp> OR CONTACT MTS PERMITS AT mtsrow@sdmts.com. APPLICANT/CONTRACTOR IS REFERRED TO AS THE "PERMITTEE".
2. CERTIFICATE OF INSURANCE FROM YOUR INSURANCE COMPANY FOR GENERAL LIABILITY, AUTOMOBILE LIABILITY, POLLUTION LIABILITY (IF APPLICABLE), PROFESSIONAL LIABILITY (IF APPLICABLE), AND WORKMAN'S COMPENSATION MUST BE SUBMITTED AND APPROVED BY MTS BEFORE THE PERMIT WILL BE PROCESSED. FULL INSURANCE REQUIREMENT GUIDELINES CAN BE ACCESSED FROM THE MTS WEBSITE NOTED ABOVE.
3. MOST GENERAL LIABILITY INSURANCE POLICIES DO NOT COVER RAILROADS. ANY EXCLUSIONS RELATING TO PERFORMANCE OF OPERATIONS WITHIN THE VICINITY OF ANY RAILROAD, BRIDGE, TRESTLE, TRACK, ROADBED, TUNNEL, UNDERPASS, OR CROSSING MUST BE DELETED FROM ALL POLICIES BY ENDORSEMENT. ADDITIONALLY, A SEPARATE RAILROAD PROTECTIVE LIABILITY POLICY WILL MOST LIKELY BE REQUIRED AFTER PROJECT REVIEW AS DEEMED NECESSARY BY MTS.
4. ALL PERSONNEL PERFORMING WORK ON MTS RW, OR ENTERING MTS RW SHALL REQUIRE PROPER MTS RAIL SAFETY TRAINING CERTIFICATION PRIOR TO ENTERING MTS RW. ANY CONTRACTORS OR SUBCONTRACTORS PERFORMING WORK ON BEHALF OF PERMITTEE, SHALL BE DEEMED AS AGENTS OF PERMITTEE AND SHALL REQUIRE SAID TRAINING AS WELL. FOR TRAINING INFORMATION, EMAIL mtsrow@sdmts.com. TRAINING CERTIFICATION IS VALID FOR ONE YEAR AND IS CONFINED TO MTS/SD&AE FACILITIES ONLY.
5. PERMITTEE SHALL PROVIDE MTS WITH AN APPROVED SET OF TRAFFIC CONTROL PLANS THAT CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND COMPLY IN PARTICULAR WITH PART 8 "TRAFFIC CONTROL FOR RAILROAD AND LIGHT RAIL TRANSIT GRADE CROSSINGS".
6. IF PROJECT INVOLVES CASING SLEEVES UNDER RAILROAD TRACKS AND ACROSS MTS RW, PERMITTEE SHALL ADHERE TO MTS JACK AND BORE DESIGN CRITERIA AND CONSTRUCTION NOTES.

7. A PRE-CONSTRUCTION MEETING WILL BE REQUIRED WITH MTS/SDTI PRIOR TO WORK COMMENCING WITHIN MTS RW. A WRITTEN NOTICE OF PLANNED START OF WORK MUST BE SUBMITTED TO MTS A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO WORK STARTING IN MTS RW. ALL WORK WILL BE STOPPED AND PERMITTEE WILL NOT BE ALLOWED IN MTS RW WITHOUT PROPER NOTIFICATION.
8. PERMITTEE'S ON-SITE SUPERVISION SHALL RETAIN/MAINTAIN A FULLY EXECUTED COPY OF THE RIGHT OF ENTRY PERMIT AT ALL TIMES WHILE ON MTS RW.
9. SDTI RAIL FLAGGING WILL BE REQUIRED ANYTIME WORK IS WITHIN FIFTEEN (15) FEET OF ANY OPERABLE TRACK INCLUDING AIRSPACE OR AS DEEMED NECESSARY BY MTS. A SDTI FLAGPERSON /RIGHT-OF-WAY WORK REQUEST FORM MUST BE SUBMITTED TO SDTI A MINIMUM OF THREE (3) BUSINESS DAYS PRIOR TO ANTICIPATED WORK. FORMS ARE ATTACHED TO THE ROE PERMIT OR CAN BE REQUESTED THROUGH MTS RIGHT OF WAY SERVICES.
10. A SDTI TRACTION POWER SHUTDOWN MAY BE NECESSARY FOR THE WORK ZONE TO PROTECT AND MAINTAIN THE REQUIRED TEN (10) FOOT CLEARANCE FROM TROLLEY OVERHEAD HIGH VOLTAGE CATENARY SYSTEM (OCS). PERMITTEE SHALL SUBMIT A SDTI RED TAG/TRACTION POWER REMOVAL REQUEST FORM TO SDTI AT LEAST THREE (3) BUSINESS DAYS PRIOR TO THE START OF WORK. POWER SHUTDOWNS SHALL ONLY BE ALLOWED DURING NON-OPERATING TROLLEY HOURS. FORMS ARE ATTACHED TO THE ROE PERMIT OR CAN BE REQUESTED THROUGH MTS RIGHT OF WAY SERVICES.
11. PERMITTEE SHALL CONTACT AND SCHEDULE DIG-ALERT AND CABLE PIPE AND LEAK ("CPL") PRIOR TO ANY EXCAVATION IN MTS RW. PERMITTEE SHALL NOTIFY MTS A MINIMUM OF THREE (3) BUSINESS DAYS PRIOR TO THE SCHEDULED UTILITY MARKOUT REQUEST AND SHALL SUBMIT A SDTI FLAGPERSON /RIGHT-OF-WAY WORK REQUEST FORM. SDTI PERSONNEL SHALL ACCOMPANY CPL FOR ANY MARKOUT OF TROLLEY FACILITIES.
12. PERMITTEE SHALL ADHERE TO CONSTRUCTION AND SAFETY STANDARDS REQUIRED BY MTS OF THEIR CONTRACTORS WHEN WORKING WITHIN MTS RW.
13. PERMITTEE SHALL PERFORM ALL WORK IN ACCORDANCE WITH APPLICABLE CALIFORNIA PUBLIC UTILITIES COMMISSION (CPUC) AND CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (CAL-OSHA) REGULATIONS, MTS LRT DESIGN CRITERIA, AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION (AREMA) STANDARD SPECIFICATIONS, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) GUIDELINES AND MTS, SDTI AND SD&IV OPERATIONS AND SAFETY POLICIES.
14. PERMITTEE AGREES THAT NO WORK BY HIMSELF OR HIS AUTHORIZED AGENT WILL INTERFERE WITH RAILROAD/TROLLEY OPERATIONS.
15. PERMITTEE AGREES TO COORDINATE ON A DAILY BASIS A REASONABLE ACCESS TO ALL MTS/SD&AE FACILITIES WITH CONTRACT OPERATORS, SDTI, AND SD&IV. SDTI/TROLLEY OPERATIONS ARE GENERALLY FROM THE HOURS OF 4:00 A.M. TO 2:00 A.M. THE FOLLOWING DAY. SD&IV FREIGHT TRAINS NORMAL OPERATIONS ARE DURING NON-TROLLEY HOURS.
16. PERMITTEE SHALL MAINTAIN SAFE PEDESTRIAN ACCESS TO ALL TROLLEY PLATFORMS AND BUS STOPS AT ALL TIMES. A MINIMUM FIVE (5) FOOT WIDE ACCESSIBLE PEDESTRIAN PATH THROUGH THE CONSTRUCTION SITE SHALL BE MAINTAINED AT ALL TIMES. THE CONSTRUCTION BOUNDARY SHALL CONSIST OF A TOP AND BOTTOM RAIL CONSTRUCTED OF PLASTIC PIPE, OSHA PLASTIC MESH, OR APPROVED EQUAL. YELLOW CAUTION TAPE IS NOT ACCEPTABLE.
17. PERMITTEE SHALL NOT STORE EQUIPMENT, TOOLS, AND MATERIALS WITHIN FIFTEEN (15) FEET FROM TROLLEY OPERABLE TRACK AND WITHIN TWENTY-FIVE (25) FEET FROM FREIGHT TRACK OPERATIONS.
18. PERMITTEE SHALL NOT USE OR STORE HAZARDOUS SUBSTANCES, AS DEFINED BY THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT, AS AMENDED ("CERCLA") OR PETROLEUM OR OIL AS DEFINED BY APPLICABLE ENVIRONMENTAL LAWS ON MTS RW.
19. NO VEHICULAR CROSSING OVER TRACKS SHALL BE INSTALLED OR USED BY PERMITTEE WITHOUT PRIOR WRITTEN PERMISSION OF RAILROAD.
20. A WRITTEN NOTICE SHALL BE SUBMITTED TO MTS ONE (1) BUSINESS DAY AFTER WORK IS COMPLETED WITHIN MTS RW. ANY ADDITIONAL WORK REQUIRED TO REPLACE OR REPAIR THE RAILROAD FACILITIES IN GOOD WORKING ORDER WILL BE THE PERMITTEE'S RESPONSIBILITY PRIOR TO RELIEF FROM MAINTENANCE WITHIN THE PERMIT AREA.
21. PERMITTEE SHALL REMOVE ALL OF PERMITTEE'S TOOLS, EQUIPMENT, AND MATERIALS FROM RAILROAD PREMISES PROMPTLY UPON COMPLETION OF WORK AND SHALL RESTORE ALL FACILITIES, IMPROVEMENTS, LANDSCAPING, ETC., TO THEIR ORIGINAL CONDITION OR AS SHOWN ON PROJECT WORK SITE PLANS.

NOTE:

THE CONSTRUCTION HAS THE POTENTIAL TO IMPACT MTS BUS SERVICES. PEDESTRIAN CIRCULATION AT THE ADJACENT TROLLEY STATIONS MAY ALSO BE IMPACTED. COORDINATE CONSTRUCTION WITH MTS PLANNING REPRESENTATIVES MARK THOMSEN (EXTENSION 4909) AND PETE CASELLINI (EXTENSION 4951) TO MITIGATE ANY POTENTIAL IMPACTS.

GENERAL NOTES

G-2

CURB RAMP IMPROVEMENT GROUP 1701	
CONSTRUCTION NOTES	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 2 OF 75 SHEETS	
APPROVED:	SUBMITTED BY:
FOR CITY ENGINEER _____ DATE _____ DAYUE ZHANG C70971 PRINT DCE NAME _____ RCE# _____	AVEEN SALEH PROJECT MANAGER JWAN MUFTI PROJECT ENGINEER
DESCRIPTION	BY
ORIGINAL	JM
APPROVED	DATE
FILMED	DATE COMPLETED
CONTRACTOR _____ DATE STARTED _____	
INSPECTOR _____ DATE COMPLETED _____	
40677-02-D	

NCTD GENERAL NOTES

1. IN CASE OF EMERGENCIES AND FOR TRACK AND TRAIN SAFETY CALL NORTH COUNTY TRANSIT DISTRICT (NCTD) 247 OPERATIONS CONTROL CENTER AT (760) 966-6700.
2. NO WORK SHALL BE PERFORMED ON NCTD'S RIGHT-OF-WAY (ROW) OR PROPERTY WITHOUT A RIGHT-OF-ENTRY PERMIT. SEE NCTD'S WEBSITE AT GoNCTD.com/working-around-the-rails/#submittals FOR INFORMATION ON PROPERTY ACCESS REQUESTS.
3. ALL PERSONNEL ENTERING NCTD'S ROW OR PROPERTY SHALL COMPLY WITH ALL NCTD REQUIREMENTS. FAILURE TO COMPLY SHALL BE GROUNDS FOR TERMINATION OF WORK AND REVOCATION OF THE RIGHT-OF-ENTRY PERMIT.
4. PRIOR TO ENTERING ONTO THE ROW AND AT THE CONTRACTOR'S EXPENSE, ALL PERSONNEL WORKING IN OR AROUND THE ROW, INCLUDING SUBCONTRACTORS AND THIRD PARTIES, SHALL COMPLETE NCTD'S ROADWAY WORKER PROTECTION (RWP) TRAINING COURSE. RWP TRAINING IS PROVIDED BY NCTD'S RAIL CONTRACTOR. SEE NCTD'S WEBSITE AT GoNCTD.com/working-around-the-rails/#rwp FOR RATES, CLASS TIMES, SCHEDULING, AND CONTACT INFORMATION.
5. ALL PERSONS ENTERING THE RAILROAD ROW SHALL HAVE THE RWP STICKER AFFIXED TO THE RIGHT SIDE OF THEIR HARD HAT AND RWP BADGE IN THEIR POSSESSION.
6. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS SET FORTH BY NCTD, THE RIGHT-OF-ENTRY PERMIT, PROJECT PLANS AND SPECIFICATIONS, AND THE JOB SITE NCTD RAILROAD FLAGMAN EMPLOYEE-IN-CHARGE (EIC). FAILURE TO COMPLY MAY RESULT IN WORK STOPPAGE OR REMOVAL FROM NCTD PROPERTY.
7. ALL CONTRACTORS PERFORMING WORK ON THE ROW WHOSE DUTIES INCLUDE INSPECTION, CONSTRUCTION, MAINTENANCE OR REPAIR OF RAILROAD TRACK, BRIDGES, ROADWAY, SIGNAL AND COMMUNICATION SYSTEMS, ELECTRIC TRACTION SYSTEMS, ROADWAY FACILITIES OR ROADWAY MAINTENANCE MACHINERY ARE REQUIRED TO SUBMIT TO NCTD A FEDERAL RAILROAD ADMINISTRATION ACCEPTED 49 CFR PART 219 CONTROL OF DRUG AND ALCOHOL USE PLAN, PRIOR TO THE COMMENCEMENT OF ANY WORK.
8. NCTD RAILROAD ROADWAY WORKER FLAG PROTECTION (FLAGGING) IS REQUIRED ANY TIME WHEN WORKING IN THE RAILROAD ROW, OR WORKING ON NON-RAILROAD PROPERTY NEAR OR ADJACENT TO THE ROW WITH THE POTENTIAL TO IMPACT THE RAILROAD TRACKS, OPERATIONS OR INFRASTRUCTURE. A RAILROAD FLAGMAN MAY BE DEFINED AS FLAGMAN, EIC, ROADWAY WORKER IN CHARGE (RWIC), OR WATCHMAN/LOOKOUT/FLAGGER (RAILROAD FLAGMAN). ONLY AN NCTD AUTHORIZED RAILROAD FLAGMAN, PROVIDED BY NCTD'S RAIL CONTRACTOR, IS PERMITTED TO PERFORM FLAGGING WITHIN THE RAILROAD ROW. THE RAILROAD FLAGMAN HAS SOLE RESPONSIBILITY TO PROTECT THE RAILROAD OPERATIONS AND INFRASTRUCTURE. AT ALL TIMES THE CONTRACTOR SHALL FOLLOW THE RAILROAD FLAGMAN'S DIRECTION.
9. THE CONTRACTOR IS RESPONSIBLE FOR REQUESTING FLAGGING SERVICES WITH ADEQUATE NOTICE TO MEET CONTRACTOR'S CONSTRUCTION SCHEDULE. SEE NCTD'S WEBSITE AT GoNCTD.com/working-around-the-rails/#rowss FOR INFORMATION ON REQUESTING SERVICES.
10. THE CONTRACTOR MUST CONTACT DIG ALERT/CALL BEFORE YOU DIG (811) BEFORE ANY EXCAVATIONS OR GRADE LEVEL PENETRATION CAN OCCUR.
11. NCTD UTILITIES WITHIN THE ROW ARE NOT PART OF DIG ALERT/CALL BEFORE YOU DIG (811). NCTD UTILITIES MUST BE MARKED OUT BY NCTD'S RAIL CONTRACTOR. THE CONTRACTOR MUST REQUEST NCTD UTILITY MARK OUT WITH ADEQUATE NOTICE TO MEET CONTRACTOR'S CONSTRUCTION SCHEDULE BEFORE ANY EXCAVATIONS OR ANY GRADE-LEVEL PENETRATION CAN OCCUR. SEE NCTD'S WEBSITE AT GoNCTD.com/working-around-the-rails/#rowss FOR INFORMATION ON REQUESTING SERVICES.
12. THE CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH RWP TRAINING, FLAGGING, UTILITY MARK OUT, INSPECTIONS, AND REVIEWS, AS REQUIRED BY NCTD POLICY AND/OR THE RIGHT-OF-ENTRY PERMIT.
13. THE CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR EACH EQUIPMENT OPERATOR TO HAVE CONSTANT AND DIRECT RADIO COMMUNICATIONS WITH THEIR FOREMAN AND RAILROAD FLAGMAN.
14. THE CONTRACTOR SHALL HAVE THE PERMITTED STAMPED SET OF PLANS ON-SITE. WORK WILL BE TERMINATED BY NCTD SHOULD NO STAMPED PLANS BE ON-SITE.
15. ALL WORK ON OR ADJACENT TO THE SAN DIEGO TROLLEY SHALL ALSO ADHERE TO NCTD REQUIREMENTS.
16. THE CONTRACTOR SHALL CONTACT NCTD 72-HOURS IN ADVANCE FOR ANY INSPECTIONS REQUIRED IN THE PERMIT.
17. UPON PROJECT COMPLETION THE NCTD ROW SHALL BE LEFT IN AS GOOD IF NOT BETTER CONDITION AS PRIOR TO THE START OF THE PROJECT. THE CONTRACTOR SHALL RESTORE ALL DISTURBED OR DAMAGED AREA AND FACILITIES AS DIRECTED BY NCTD AT THE CONTRACTOR'S EXPENSE.
18. NCTD ROW AND PROPERTY SHALL NOT BE USED FOR STORAGE OR DISPOSAL OF SPOILS.

NOTE:

FOR ANY WORK ADJACENT TO RAILS, CONTRACTOR TO REFER TO THE REQUIREMENTS NOTED IN THE CALIFORNIA MUTCD, PART 8, TRAFFIC CONTROL FOR RAILROAD AND LIGHT RAIL TRANSIT GRADE CROSSING

GENERAL NOTES:

1. RESTORE OR INSTALL RED CURB ON ALL PROPOSED CURB RAMPS FROM TOP OF WING, 5LF MIN.
2. ALL PROPOSED SAWCUT LIMITS IN THE STREET AREA MUST BE 18" MINIMUM FROM PROPOSED LIP OF GUTTER.

G-3

CURB RAMP IMPROVEMENT GROUP 1701 CONSTRUCTION NOTES

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 03 OF 75 SHEETS		WBS# B-17114		
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYLIE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____		SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JWAN MUFTI PROJECT ENGINEER		
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	JM			
CONTRACTOR _____		DATE STARTED _____		
INSPECTOR _____		DATE COMPLETED _____		
		40677-03-D		

SEE SHEETS C-2 TO C-72 FOR
LOCATION OF STORM DRAIN INLETS

SITE MAP

SOURCE CONTROL BMP CHECKLIST FOR STANDARD PROJECTS		FORM I-4		
ALL DEVELOPMENT PROJECTS MUST IMPLEMENT SOURCE CONTROL BMP'S SC-1 THROUGH SC-6 AND, REFER TO CHAPTER 4 AND APPENDIX E OF THE BMP DESIGN MANUAL FOR INFORMATION TO IMPLEMENT BMP'S AS SHOWN IN THIS CHECKLIST.				
NOTE: ALL SELECTED BMPs MUST BE SHOWN ON THE CONSTRUCTION PLANS.				
SOURCE CONTROL REQUIREMENT		APPLIED(?)?		
4.2.1	PREVENTION OF ILLICIT DISCHARGES INTO THE MS4	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
4.2.2	STORM DRAIN STENCILING OR SIGNAGE	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
4.2.3	PROTECT OUTDOOR MATERIALS STORAGE AREAS FROM RAINFALL, RUN-ON, RUNOFF, AND WIND DISPERSAL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
4.2.4	PROTECT MATERIALS STORED IN OUTDOOR WORK AREAS FROM RAINFALL, RUN-ON, RUNOFF, AND WIND DISPERSAL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
4.2.5	PROTECT TRASH STORAGE AREAS FROM RAINFALL, RUN-ON, RUNOFF, AND WIND DISPERSAL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
4.2.6	BMPs BASED ON POTENTIAL SOURCES OF RUNOFF POLLUTANTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	ON-SITE STORM DRAIN INLETS	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
	INTERIOR FLOOR DRAINS AND ELEVATOR SHAFT SUMP PUMPS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	INTERIOR PARKING GARAGES	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	NEED FOR FUTURE INDOOR AND STRUCTURAL PEST CONTROL	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	LANDSCAPE / OUTDOOR PESTICIDE USE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	POOLS, SPAS, PONDS, DECORATIVE FOUNTAINS, AND OTHER WATER FEATURES	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	FOOD SERVICE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	REFUSE AREAS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	INDUSTRIAL PROCESSES	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	OUTDOOR STORAGE OF EQUIPMENT OR MATERIALS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	VEHICLE / EQUIPMENT REPAIR AND MAINTENANCE	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	FUEL DISPENSING AREAS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	LOADING DOCKS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	FIRE SPRINKLER TEST WATER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	MISCELLANEOUS DRAIN OR WASH WATER	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	PLAZAS, SIDEWALKS, AND PARKING LOTS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	SC-6A: LARGE TRASH GENERATING FACILITIES	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	SC-6B: ANIMAL FACILITIES	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	SC-6C: PLANT NURSERIES AND GARDEN CENTERS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
	SC-6D: AUTOMOTIVE-RELATED USES	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
DISCUSSION / JUSTIFICATION FOR ALL "NO" ANSWER SHOWN ABOVE:				

SITE DESIGN AND SOURCE CONTROL BMP OPERATION AND MAINTENANCE PROCEDURE					
O&M RESPONSIBLE PARTY DESIGNEE:					
BMP DESCRIPTION	INSPECTION FREQUENCY	MAINTENANCE FREQUENCY	MAINTENANCE METHOD	QUANTITY	SHEET NUMBER
SOURCE CONTROL ELEMENTS					
DESCRIPTION: STORM DRAIN STENCILING	EVERY 6 MONTHS	YEARLY	REPAINT STENCIL	APPROX. 40	SEE SHEETS C-2 TO C-72

STORM WATER NOTE:

1. THIS PROJECT IS SUBJECT TO MUNICIPAL CODE SECTION 4303 AND ORDER NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100

SITE DESIGN BMP CHECKLIST FOR STANDARD PROJECTS		FORM I-5		
ALL DEVELOPMENT PROJECTS MUST IMPLEMENT SITE DESIGN BMP'S SD-1 THROUGH SD-8. REFER TO CHAPTER 4 AND APPENDIX E OF THE BMP DESIGN MANUAL FOR INFORMATION TO IMPLEMENT BMP'S SHOWN IN THIS CHECKLIST.				
NOTE: ALL SELECTED BMPs MUST BE SHOWN ON THE CONSTRUCTION PLANS.				
SOURCE CONTROL REQUIREMENT		APPLIED(?)?		
4.3.1	MAINTAIN NATURAL DRAINAGE PATHWAYS AND HYDROLOGIC FEATURES	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
4.3.2	CONSERVE NATURAL AREAS, SOILS, AND VEGETATION	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
4.3.3	MINIMIZE IMPERVIOUS AREA	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
4.3.4	MINIMIZE SOIL COMPACTION	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
4.3.5	IMPERVIOUS AREA DISPERSION	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
4.3.6	RUNOFF COLLECTION	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
4.3.7	LANDSCAPING WITH NATIVE OR DROUGHT TOLERANT SPECIES	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
4.3.8	HARVESTING AND USING PRECIPITATION	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
DISCUSSION / JUSTIFICATION FOR ALL "NO" ANSWER SHOWN ABOVE:				

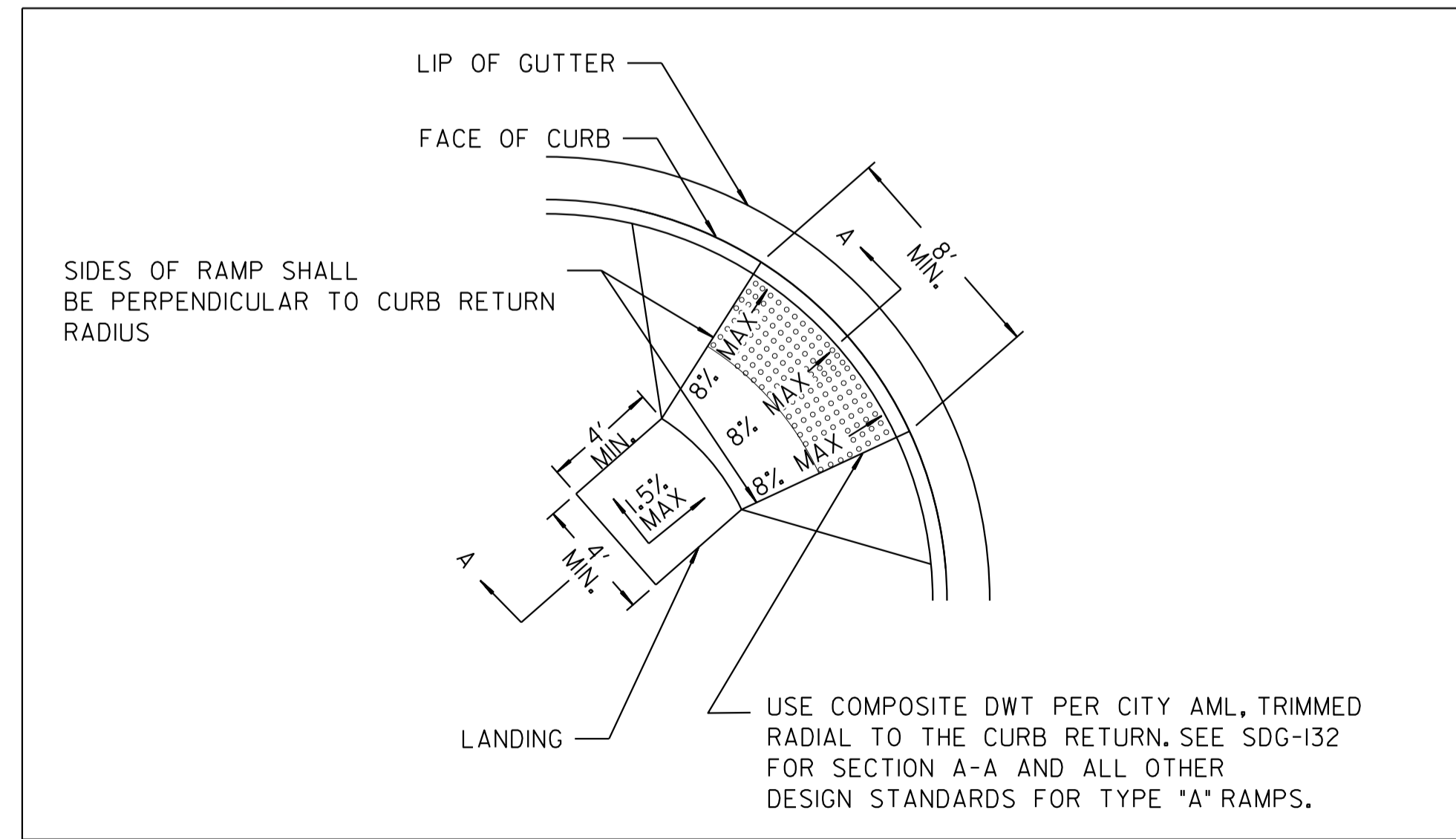
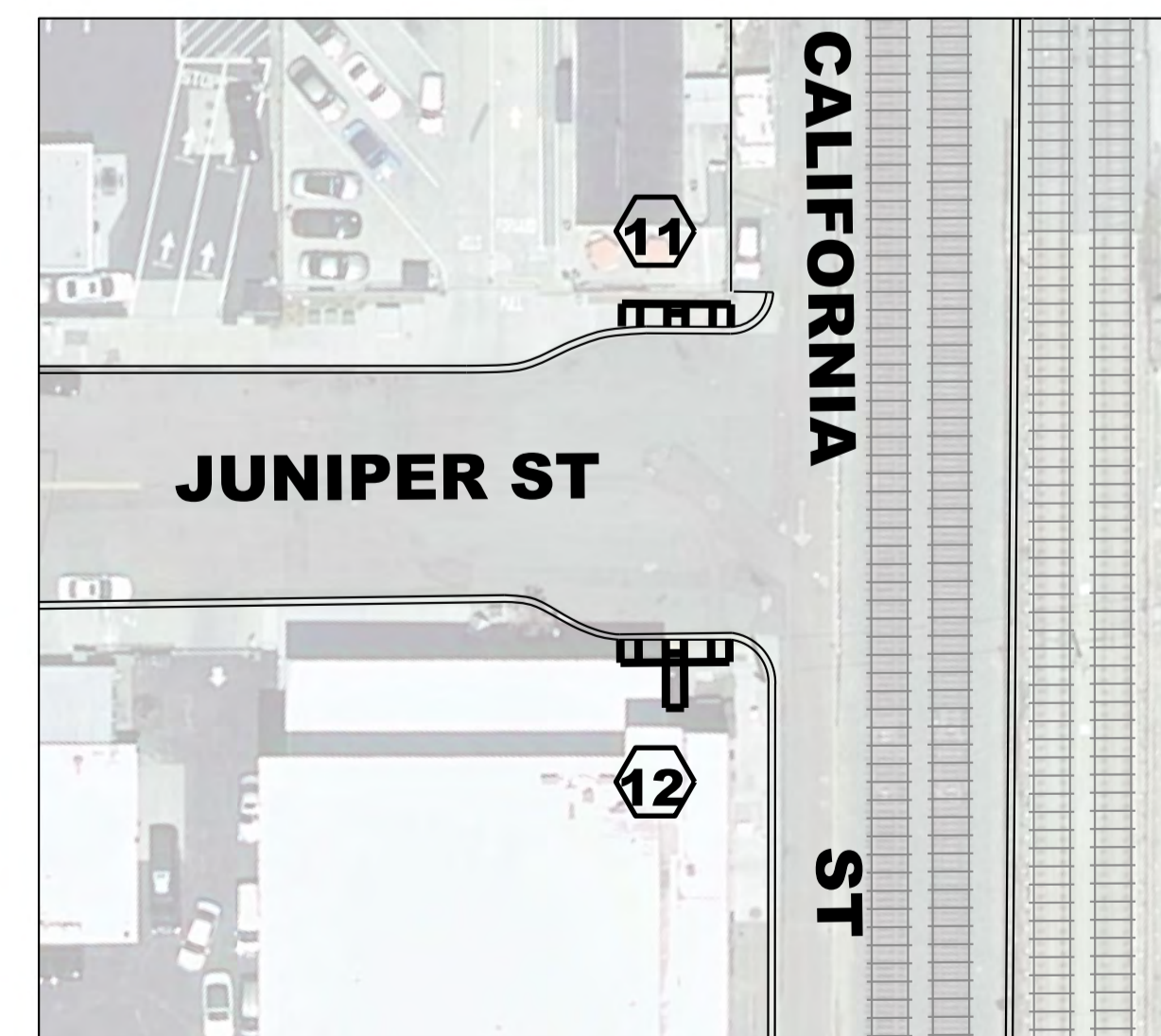
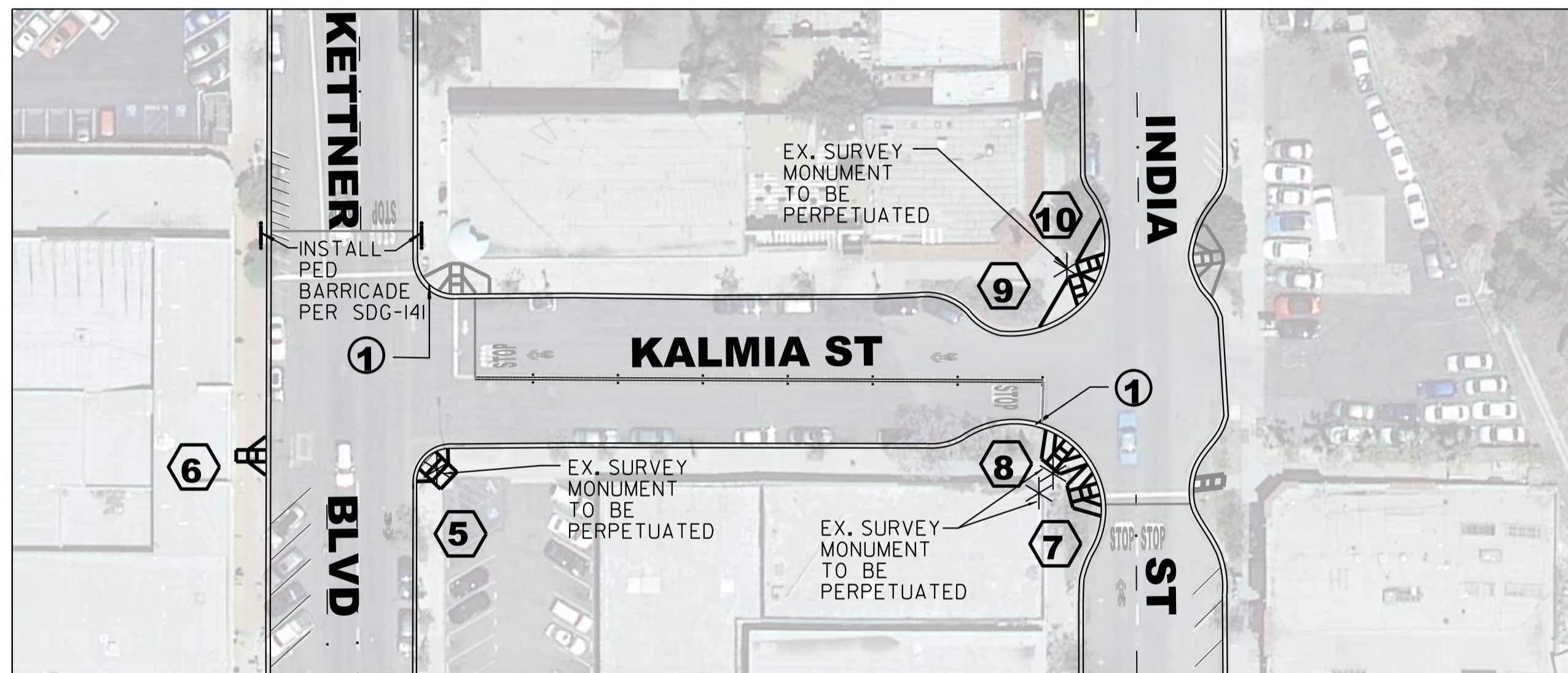
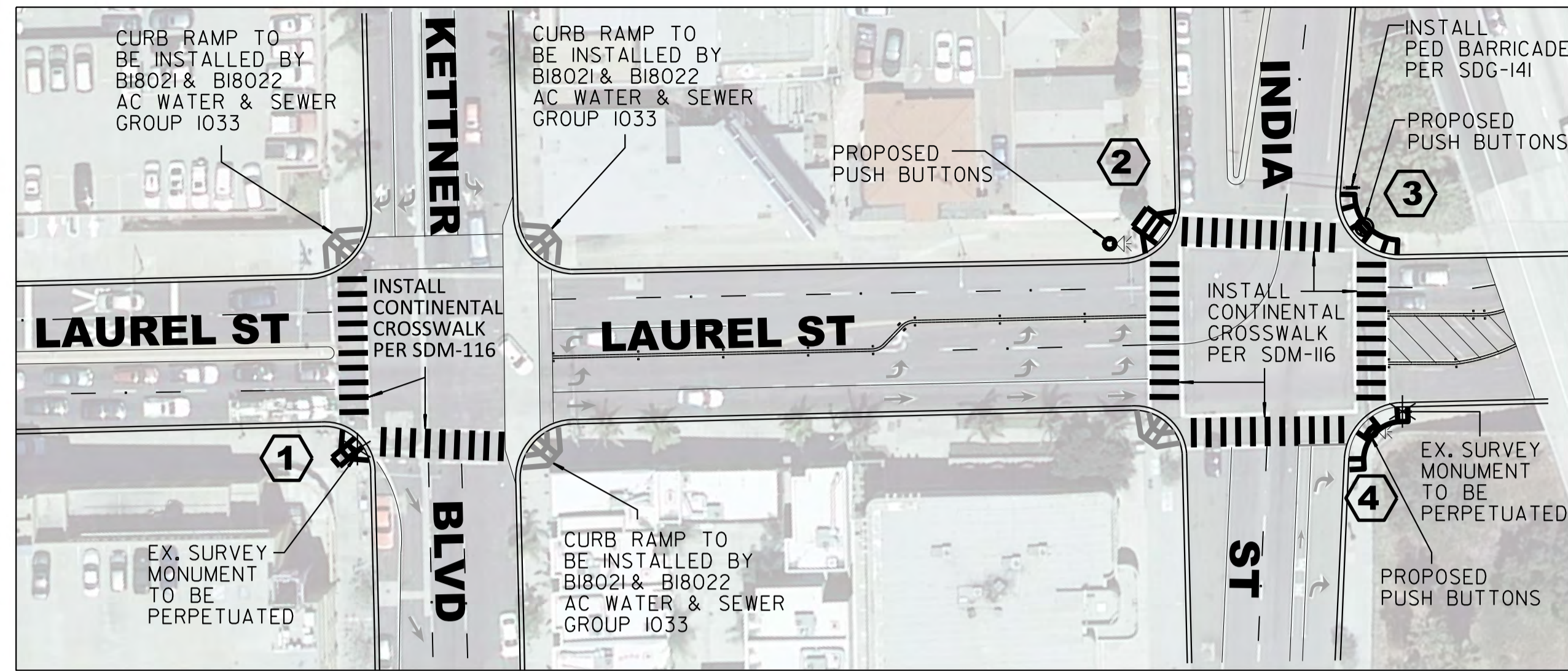
C-1

CURB RAMP IMPROVEMENT GROUP 1701
BMP MAP FOR STANDARD PROJECTS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS DEPARTMENT
SHEET 04 OF 75 SHEETS

WBS B-17114

APPROVED:		DATE:		SUBMITTED BY:	
FOR CITY ENGINEER		DATE		AVEEN SALEH PROJECT MANAGER	
DAYLIE ZHANG		C70971		CHECKED BY:	
PRINT DCE NAME		RCE#		JWAN MUFTI PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE	FILMED	
ORIGINAL	JM				SEE SHEETS CCS27 COORDINATE
					SEE SHEETS CCS83 COORDINATE
CONTRACTOR		DATE STARTED		40677-04-D	
INSPECTOR		DATE COMPLETED			

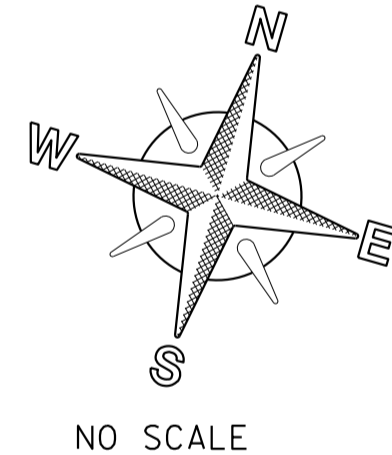


DETAIL 1
TYPE A RADIAL RAMP
WITH 8' MINIMUM WIDE OPENING

CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
1	A		12'	X			X		X		INSTALL CONTINENTAL CROSSWALK PER SDM-116. COORDINATE WITH SDG&E TO ADJUST EX GAS VALVES TO GRADE. SEE DETAIL ON SHEET C-17.
2	A		10'	X			X		X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" THIS SHEET. PROTECT IN PLACE TRAFFIC SIGNAL POLE, STREET SIGN POST AND (2) UTILITY CABINET. ADJUST (2) EX ELECTRICAL PULLBOX TO GRADE. INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. INSTALL CONTINENTAL CROSSWALK PER SDM-116.
3	CI		6'	X					X		INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CALTRANS 2018 STANDARD PLAN ES-7A. INSTALL CONTINENTAL CROSSWALK PER SDM-116. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. SEE DETAIL ON SHEET C-18.
4	CI		9'	X			X	X	X		INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. INSTALL CONTINENTAL CROSSWALK PER SDM-116. SEE DETAIL ON SHEET C-19.
5	A		14'	X		X	X	X	X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING AT 1.5% SLOPE AT FLOW LINE SEE DETAIL "I" THIS SHEET. EXTEND GUTTER PAN TO DRAINAGE INLET. PROTECT IN PLACE STREETLIGHT POLE AND STORM DRAIN INLET. RELOCATE TRASH RECEPTACLES TO SOUTH OF EX FIRE HYDRANT. ADJUST EX STREET LIGHT PULLBOX TO GRADE. PROTECT IN PLACE HISTORIC STAMP PER SDG-115.
6	B		11'		X			X	X		PROTECT IN PLACE STREETLIGHT POLE AND STREET LIGHT PULLBOX. REMOVE EX GREEN CURB OF 15 MIN PARKING AND 15 MIN PARKING SIGN. COORDINATE WITH COX TO REMOVE AND RELOCATE EX CATV PULLBOX TO TOP OF LANDING. MATCH EXISTING COLOR AND SCORE MARKINGS ON SIDEWALK PANEL THAT GET REPLACED WITH CURB RAMP INSTALLATION. CONTINUE CURB AND GUTTER TO STORM DRAIN INLET ON THE NORTH SIDE OF CURB RAMP.
7	A		13'		X		X		X		SEE DETAIL ON SHEET C-20.
8	A		13'	X			X	X	X		SEE DETAIL ON SHEET C-20.
9	A		>10'	X			X		X		SEE DETAIL ON SHEET C-21.
10	A		>10'		X		X		X		SEE DETAIL ON SHEET C-21.
11	CI		6'	X					X		PROTECT EX FENCE DURING DEMOLITION AND CONSTRUCTION. SEE DETAIL ON SHEET C-22. REFER TO GENERAL NOTE 4 AND 5 ON SHEET G-3.
12	CI		6'	X					X		SEE DETAIL ON SHEET C-22. REFER TO GENERAL NOTE 4 AND 5 ON SHEET G-3.

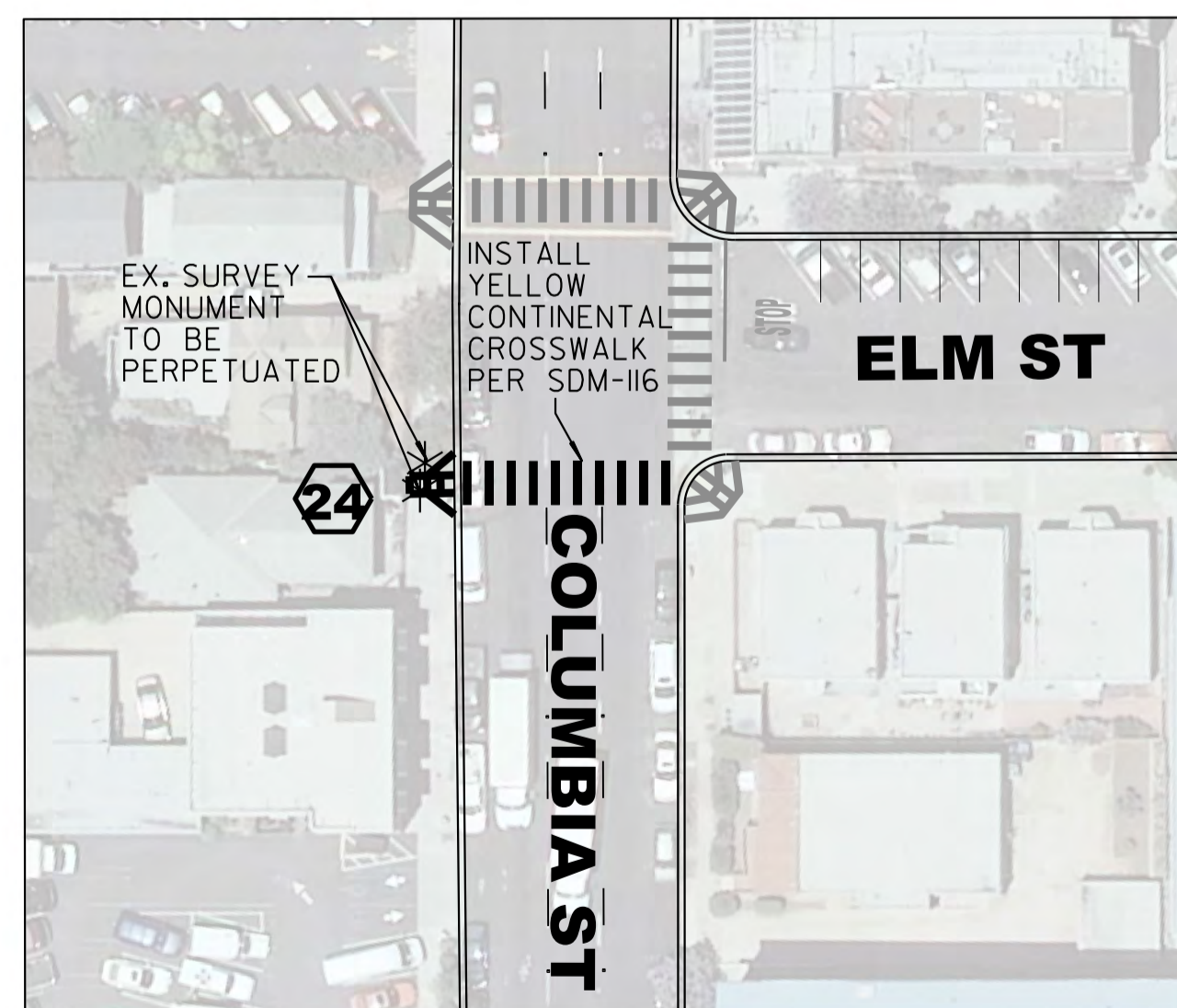
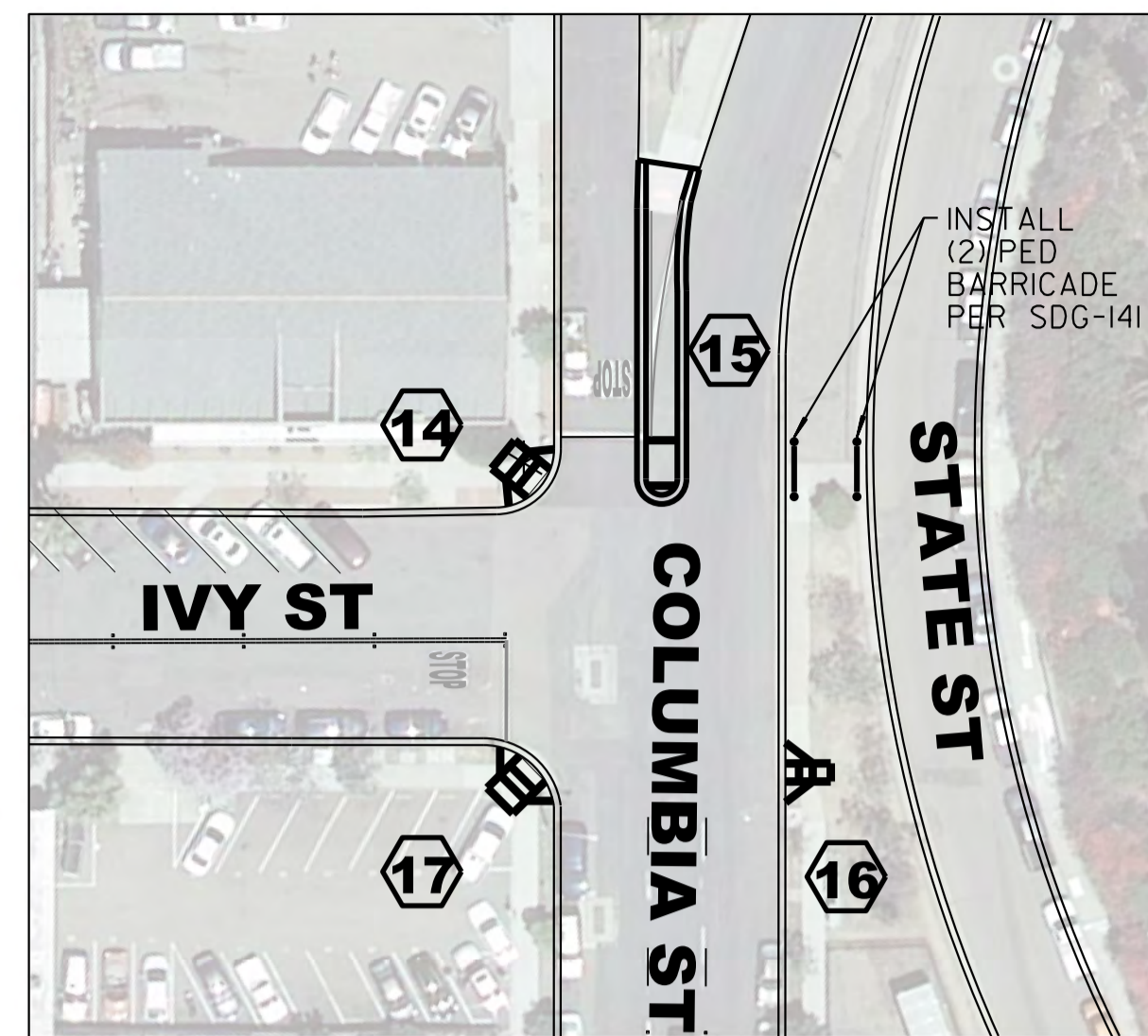
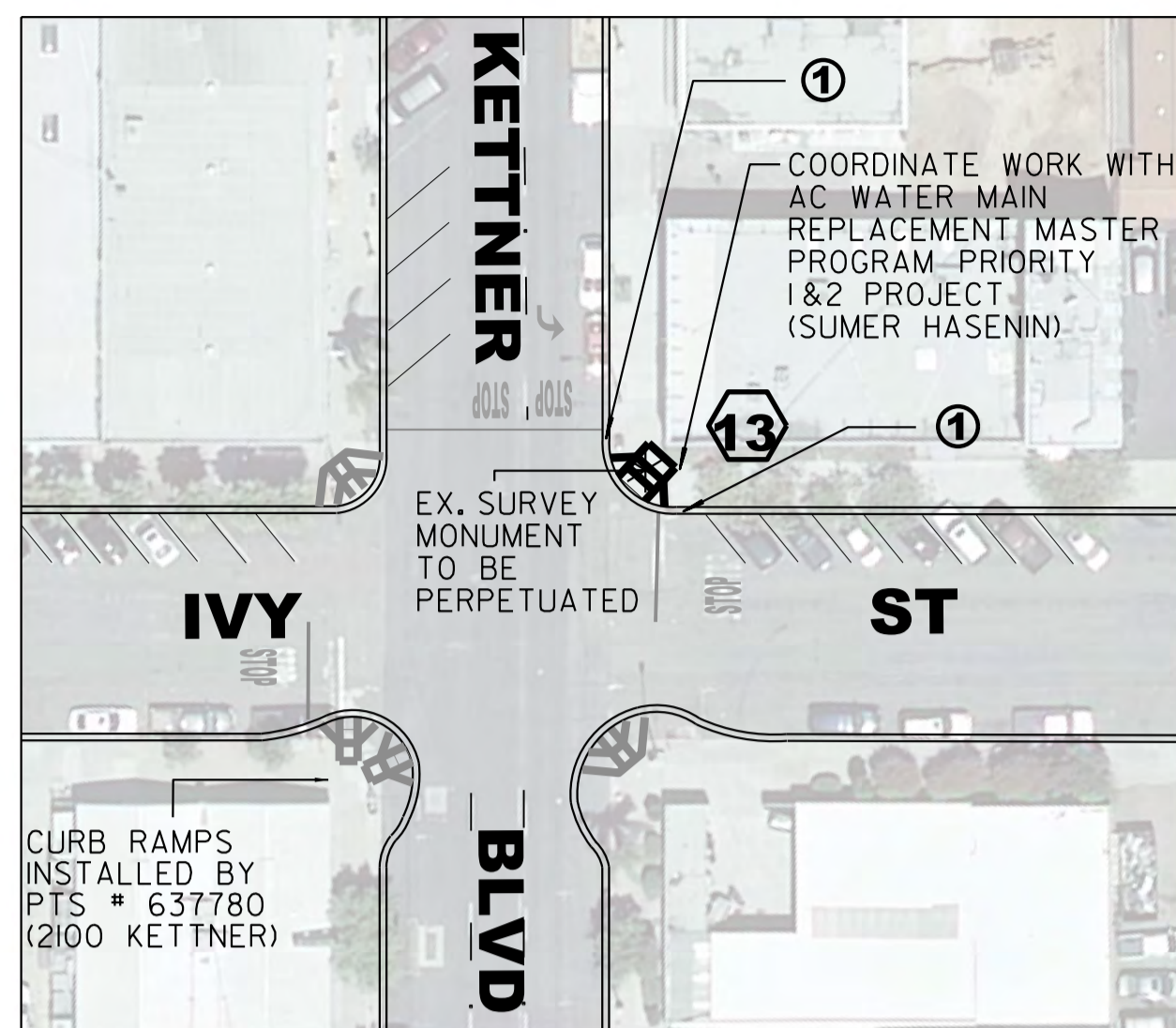
RESIDENT ENGINEER (RE)/CONTRACTOR NOTE:
 1. FOR ALL CURB RAMP LOCATIONS, RE SHALL FIRST VERIFY BASEMENT LIMITS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE RE PRIOR TO ANY DEMOLITION.
 2. CONTRACTOR SHALL REPLACE LIFTED, DAMAGE, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETScape MANUAL (CCSM) FOR "LITTLE ITALY PAVING" SIDEWALK PATTERN. REFER TO NOTE 8 ON SHEET G-1.



- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-2

LEGEND		CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION	
① CURB RAMP NO'S	⊙ EX TREE	⊙ EX STREET LIGHT	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 05 OF 75 SHEETS
⊙ CURB RAMP BARRICADE	⊙ EX STREET SIGN	⊙ EX UTILITY POLE	
⊙ EX FIRE HYDRANT	⊙ EX CURB RAMP	⊙ EX TRAFFIC SIGNAL POLE	WBS* B-17114
PROPOSED CURB RAMPS PER STANDARD DRAWINGS:			APPROVED BY: _____ DATE: _____
DETECTABLE WARNING TILES	SDG-130	FOR CITY ENGINEER	DATE
GENERAL CURB RAMP NOTES	SDG-131	DAYUE ZHANG	C70971
CURB RAMP TYPE A	SDG-132	PRINT DCE NAME	RCE#
CURB RAMP TYPE B	SDG-133	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER	
DUAL CURB RAMPS	SDG-134	PROJECT ENGINEER	
CURB RAMP - TYPE C1 & C2	SDG-135	JWAN MUF TI	
CURB RAMP - ADDITIONAL DETAILS	SDG-136	206-1713 202-1713	
CURB RAMP - TYPE D	SDG-137	CCS27 COORDINATE	
GENERAL CURB RAMPS	SDG-138	6274407-1846444 6274407-1842444	
PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS	SDG-139	CCS83 COORDINATE	
PROTECTIVE RAILING AT CURB RAMPS	SDG-140	CONTRACTOR _____ DATE STARTED _____	
PEDESTRIAN BARRICADE-TYPE A	SDG-141	INSPECTOR _____ DATE COMPLETED _____	
EX HISTORICAL STAMP OR IMPRESSION	SDG-142	40677-05-D	
CROSS GUTTER	SDG-157		



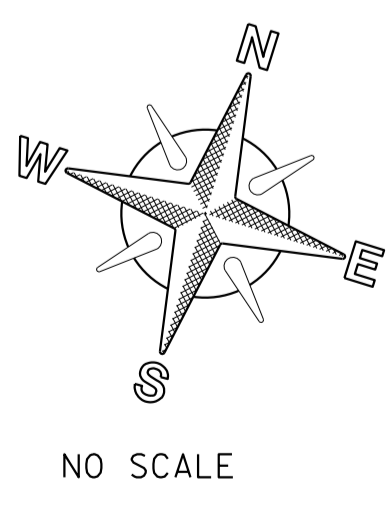
CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MSC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
13	A		11'	X		X	X	X	X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT EX RETAINING WALL, STORM DRAIN INLETS, WATER METER AND (2) TRAFFIC SIGN POST. RELOCATE RECEPTACLES. PROTECT IN PLACE EX HISTORICAL STAMP PER SDG-115.
14	A		10'	X				X	X		INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. PROTECT IN PLACE TRAFFIC SIGN POST AND STREET NAME POST. RELOCATE (2) EX PLANTER AND (2) RECEPTACLE. RELOCATE EX LIMIT LINE AND LEGEND MARKING BEFORE CURB OPENING. SEE DETAIL ON SHEET C-23.
15	C-1		10'		X				X		SEE DETAIL ON SHEET C-24.
16	C-1		10'		X		X		X		PROTECT IN PLACE EX FIRE HYDRANT.
17	A		>10'	X				X	X		INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. PROTECT IN PLACE TRAFFIC SIGN POST AND STREETLIGHT POLE. RELOCATE EX RECEPTACLE. SEE DETAIL ON SHEET C-25.
18	A		>10'		X		X	X	X		RELOCATE EX PLANTERS AND RECEPTACLE. REPLACE STOP SIGN POST PER SDG-104. RELOCATE LIMIT LINE AND LEGEND MARKING BEFORE CURB OPENING. MAINTAIN MIN 2" SEPARATION BETWEEN BOTH CURB RAMP FLARES. PROTECT FIRE LANE- DO NOT BLOCK.
19	A		>10'	X				X	X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE STREETLIGHT POLE, TRAFFIC SIGN POST, (2) RECEPTACLE AND CATV PULLBOX. RELOCATE PLANTER.
20	B		11'	X			X	X	X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE STREETLIGHT POLE, STREET LIGHT PULLBOX, TRAFFIC SIGN POST AND FIRE HYDRANT. RELOCATE RECEPTACLE. PROTECT IN PLACE EX HISTORICAL STAMP PER SDG-115.
21	B		14'	X			X	X	X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING. RELOCATE TRAFFIC SIGN POST AND (2) RECEPTACLE. ADJUST EX PULLBOX TO GRADE. SEE DETAIL ON SHEET C-26.
22	A		>10'	X					X		PROTECT IN PLACE STREETLIGHT POLE, UTILITY BOX, DECORATIVE WALL AND FIRE HYDRANT. REMOVE AND REINSTALL TRAFFIC SIGNS TO PROVIDE MIN 84" VERTICAL CLEARANCE. ADJUST EX ELECTRICAL PULLBOX TO GRADE. PROTECT IN PLACE EX HISTORICAL STAMP PER SDG-115.
23	A		>10'	X					X		PROTECT IN PLACE EX TRAFFIC SIGN POST, BOLLARDS, DECORATIVE WALL AND PLANTERS. RELOCATE EX LIMIT LINE AND LEGEND MARKING BEFORE CURB OPENING.
24	B		10'		X		X		X		PROTECT IN PLACE EX IRON FENCE, UTILITY CABINET, STREET LIGHT PULLBOX, CROWN CASTLE PULLBOX, TREE AND STREETLIGHT POLE. RELOCATE EX SDG&E PULLBOX. ADJUST EX WATER METER TO GRADE. INSTALL YELLOW CONTINENTAL CROSSWALK PER SDG-116.

RESIDENT ENGINEER (RE)/CONTRACTOR NOTE:
 1. FOR ALL CURB RAMP LOCATIONS, RE SHALL FIRST VERIFY BASEMENT LIMITS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE RE PRIOR TO ANY DEMOLITION.
 2. CONTRACTOR SHALL REPLACE LIFTED, DAMAGE, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETScape MANUAL (CCSM) FOR "LITTLE ITALY PAVING" SIDEWALK PATTERN. REFER TO NOTE 8 ON SHEET G-1.

- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

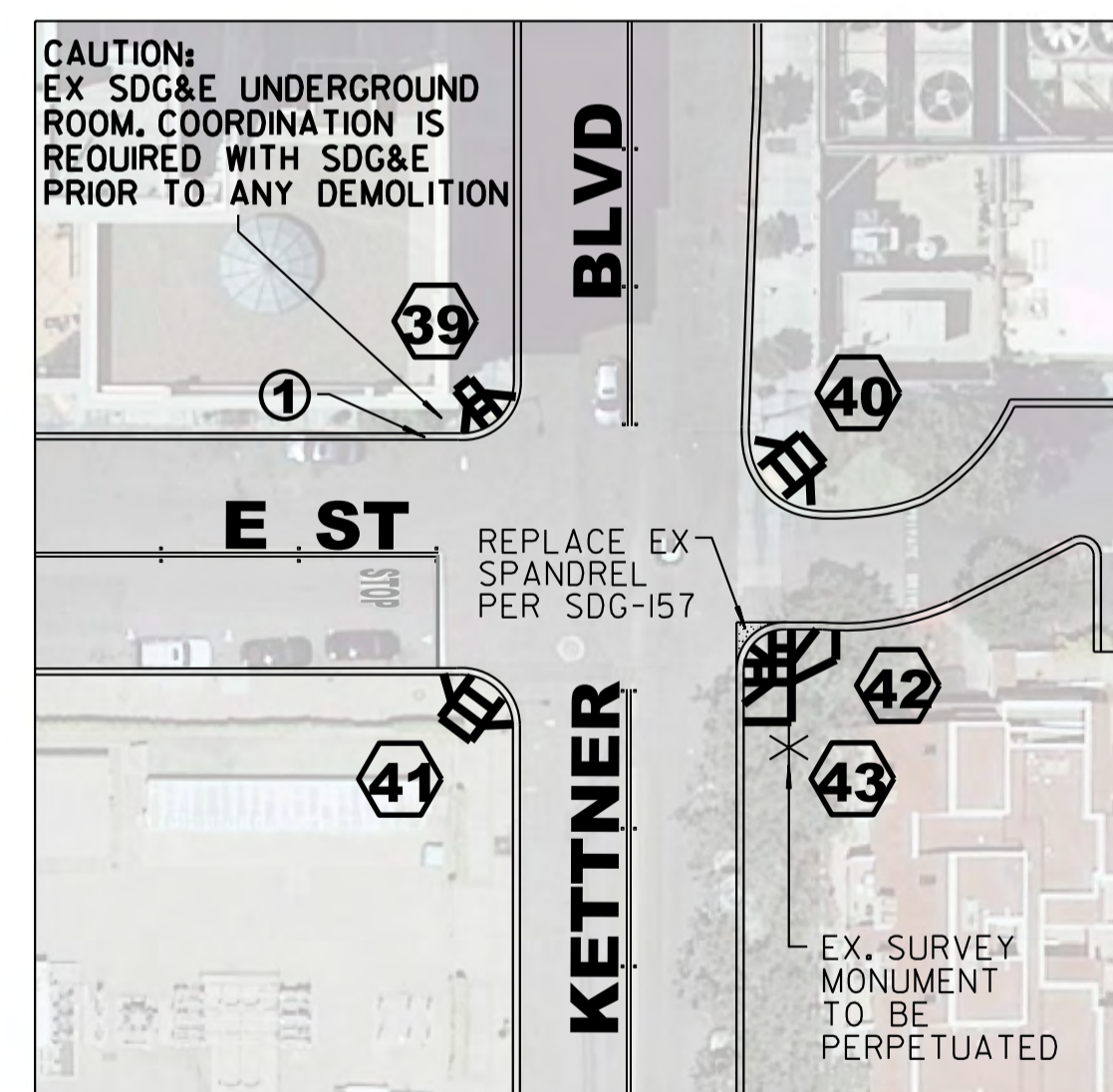
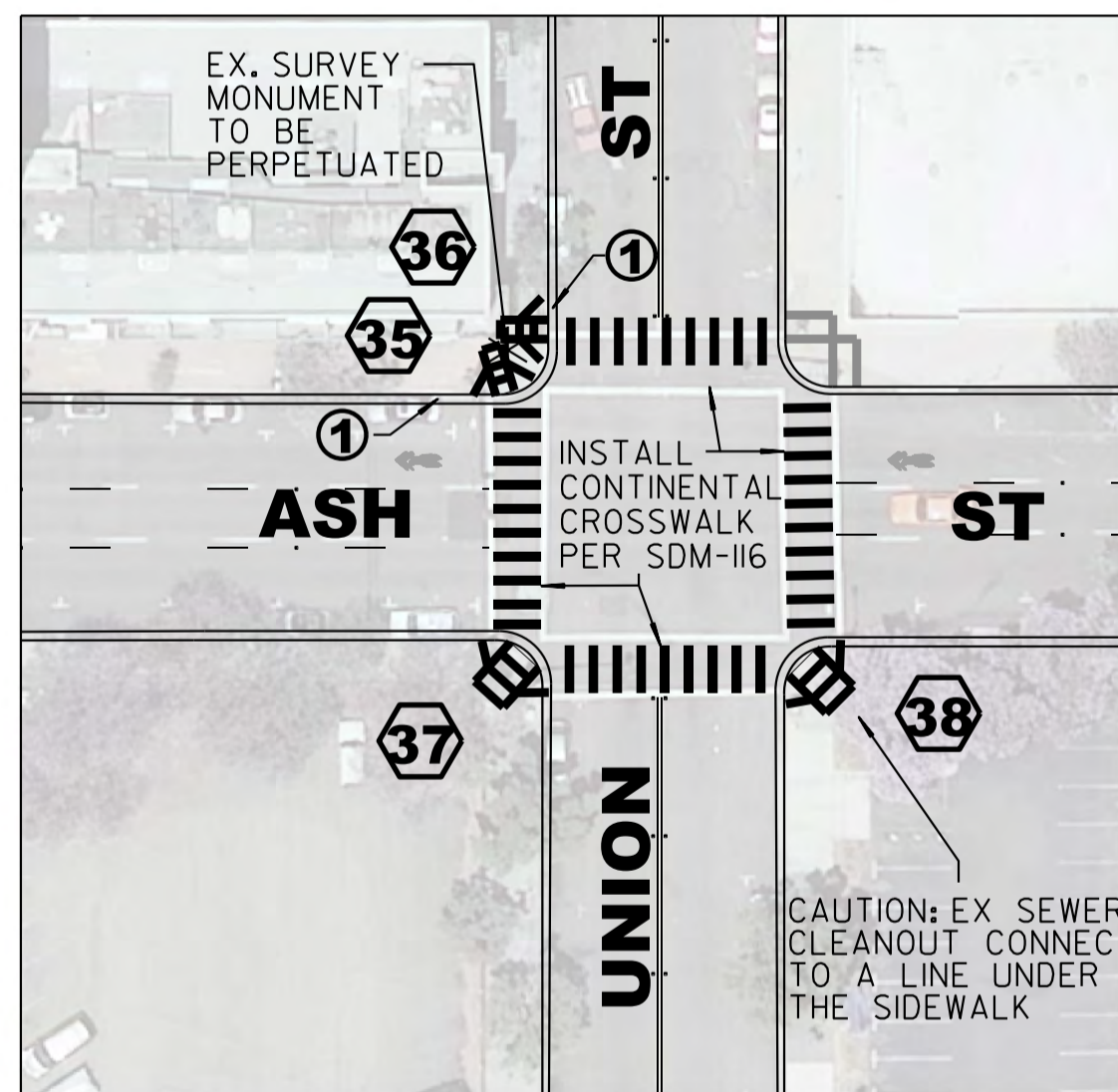
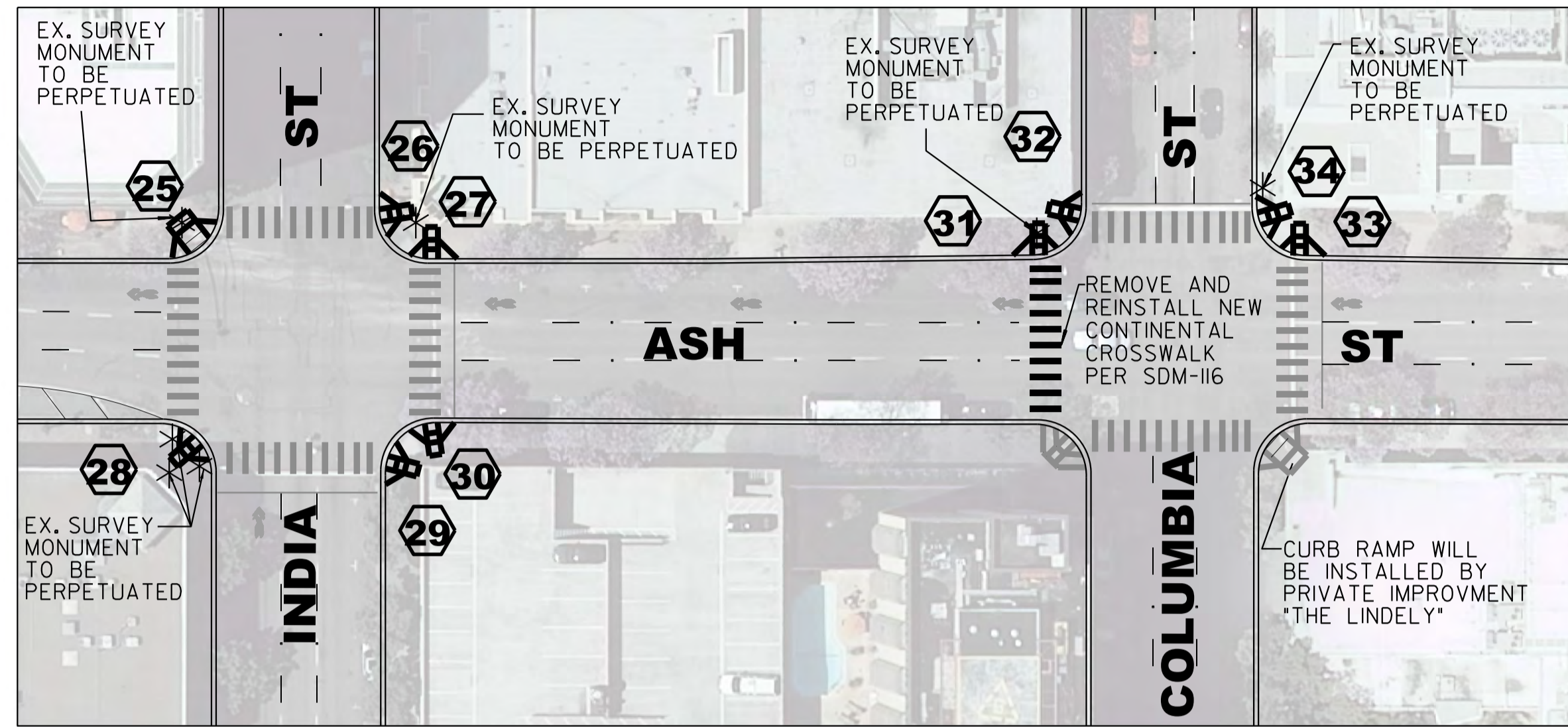
C-3



LEGEND		CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION																													
NO	CURB RAMP NO's	⊙	EX TREE																												
○	CURB RAMP BARRICADE	+	EX STREET SIGN																												
⊙	EX FIRE HYDRANT	⊙	EX CURB RAMP																												
⊙	EX STREET LIGHT	⊙	EX UTILITY POLE																												
⊙	EX TRAFFIC SIGNAL POLE																														
<p>PROPOSED CURB RAMP PER STANDARD DRAWINGS:</p> <table border="0"> <tr> <td>DETECTABLE WARNING TILES</td> <td>SDG-130</td> </tr> <tr> <td>GENERAL CURB RAMP NOTES</td> <td>SDG-131</td> </tr> <tr> <td>CURB RAMP TYPE A</td> <td>SDG-132</td> </tr> <tr> <td>CURB RAMP TYPE B</td> <td>SDG-133</td> </tr> <tr> <td>DUAL CURB RAMP</td> <td>SDG-134</td> </tr> <tr> <td>CURB RAMP - TYPE C1 & C2</td> <td>SDG-135</td> </tr> <tr> <td>CURB RAMP - ADDITIONAL DETAILS</td> <td>SDG-136</td> </tr> <tr> <td>CURB RAMP - TYPE D</td> <td>SDG-137</td> </tr> <tr> <td>GENERAL CURB RAMP</td> <td>SDG-138</td> </tr> <tr> <td>PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS</td> <td>SDG-139</td> </tr> <tr> <td>PROTECTIVE RAILING AT CURB RAMP</td> <td>SDG-140</td> </tr> <tr> <td>PEDESTRIAN BARRICADE-TYPE A</td> <td>SDG-141</td> </tr> <tr> <td>EX HISTORICAL STAMP OR IMPRESSION</td> <td>SDG-115</td> </tr> <tr> <td>CROSS GUTTER</td> <td>SDG-157</td> </tr> </table>				DETECTABLE WARNING TILES	SDG-130	GENERAL CURB RAMP NOTES	SDG-131	CURB RAMP TYPE A	SDG-132	CURB RAMP TYPE B	SDG-133	DUAL CURB RAMP	SDG-134	CURB RAMP - TYPE C1 & C2	SDG-135	CURB RAMP - ADDITIONAL DETAILS	SDG-136	CURB RAMP - TYPE D	SDG-137	GENERAL CURB RAMP	SDG-138	PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS	SDG-139	PROTECTIVE RAILING AT CURB RAMP	SDG-140	PEDESTRIAN BARRICADE-TYPE A	SDG-141	EX HISTORICAL STAMP OR IMPRESSION	SDG-115	CROSS GUTTER	SDG-157
DETECTABLE WARNING TILES	SDG-130																														
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CURB RAMP TYPE B	SDG-133																														
DUAL CURB RAMP	SDG-134																														
CURB RAMP - TYPE C1 & C2	SDG-135																														
CURB RAMP - ADDITIONAL DETAILS	SDG-136																														
CURB RAMP - TYPE D	SDG-137																														
GENERAL CURB RAMP	SDG-138																														
PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS	SDG-139																														
PROTECTIVE RAILING AT CURB RAMP	SDG-140																														
PEDESTRIAN BARRICADE-TYPE A	SDG-141																														
EX HISTORICAL STAMP OR IMPRESSION	SDG-115																														
CROSS GUTTER	SDG-157																														
<p>CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 06 OF 75 SHEETS</p>		<p>WBS# B-17114</p>																													
<p>APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYUE ZHANG C70971 PRINT DCE NAME _____ RCE# _____</p>		<p>SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JWAN MUFTI PROJECT ENGINEER</p>																													
<table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>BY</th> <th>APPROVED</th> <th>DATE</th> <th>FILMED</th> </tr> </thead> <tbody> <tr> <td>ORIGINAL</td> <td>JM</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		DESCRIPTION	BY	APPROVED	DATE	FILMED	ORIGINAL	JM														<p>VARIES CCS27 COORDINATE</p> <p>VARIES CCS83 COORDINATE</p>									
DESCRIPTION	BY	APPROVED	DATE	FILMED																											
ORIGINAL	JM																														
<p>CONTRACTOR _____ DATE STARTED _____ INSPECTOR _____ DATE COMPLETED _____</p>		<p>40677-06-D</p>																													

CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
25	A		13'	X			X		X		INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. SEE DETAIL ON SHEET C-27.
26	A		12'	X			X		X		SEE DETAIL ON SHEET C-28.
27	B		14'		X		X		X		SEE DETAIL ON SHEET C-28.
28	A		13'	X			X		X		PROTECT IN PLACE TRAFFIC SIGNAL POLE, STREETLIGHT POLE, AT&T PULLBOX, ELECTRICAL PULLBOX AND ELECTRICAL CABINET. ADJUST EX ELECTRICAL PULLBOX TO GRADE.
29	B		11'		X				X		SEE DETAIL ON SHEET C-29.
30	B			X			X		X		SEE DETAIL ON SHEET C-29.
31	B		12'	X			X		X		PROTECT EX TRAFFIC SIGNAL POLE. INSTALL CONTINENTAL CROSSWALK PER SDM-I16. RELOCATE RECEPTACLE.
32	A		12'		X				X		PROTECT IN PLACE EX FENCE AND PLANTS.
33	B		12'		X			X	X		SEE DETAIL ON SHEET C-30.
34	A		11'	X			X		X		SEE DETAIL ON SHEET C-30.
35	B		14'	X			X		X		INSTALL CONTINENTAL CROSSWALK PER SDM-I16. SEE DETAIL ON SHEET C-31.
36	B		12'		X			X	X		INSTALL CONTINENTAL CROSSWALK PER SDM-I16. SEE DETAIL ON SHEET C-31.
37	A		11'	X		X			X		INSTALL CURB RAMP WITH 6'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE TRAFFIC SIGNAL POLE, IRON FENCE AND UTILITY CABINET. ADJUST (3) EX PULLBOX TO GRADE. INSTALL CONTINENTAL CROSSWALK PER SDM-I16. PROTECT IN PLACE EX HISTORICAL STAMP PER SDG-I15.
38	A		11'	X				X	X		INSTALL CURB RAMP WITH 6'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE STREETLIGHT POLE, STREET NAME POST, TRAFFIC SIGNAL PULLBOX AND FIRE HYDRANT. ADJUST EX ELECTRICAL PULLBOX TO GRADE. INSTALL CONTINENTAL CROSSWALK PER SDM-I16.
39	A		>10'	X					X		PROTECT EX STORM DRAIN INLET, STREETLIGHT POLE AND BUILDING WALL. MAINTAIN MIN LEVEL LANDING.
40	A		>10'	X					X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE STREETLIGHT POLE. ADJUST EX ELECTRICAL PULLBOX TO GRADE.
41	A		12'	X				X	X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT EX STREETLIGHT POLE, MANHOLE COVER AND TRAFFIC SIGN POST.
42	B		>10'	X			X		X		ALIGN CURB RAMP WITH THE SW CURB RAMP. SEE DETAIL ON SHEET C-32.
43	B		>10'	X					X		ALIGN CURB RAMP WITH THE NE CURB RAMP. SEE DETAIL ON SHEET C-32.

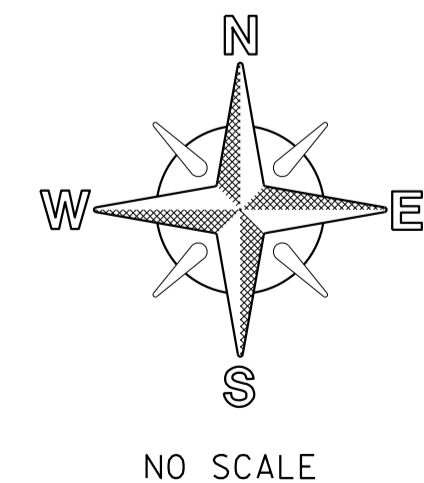


- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

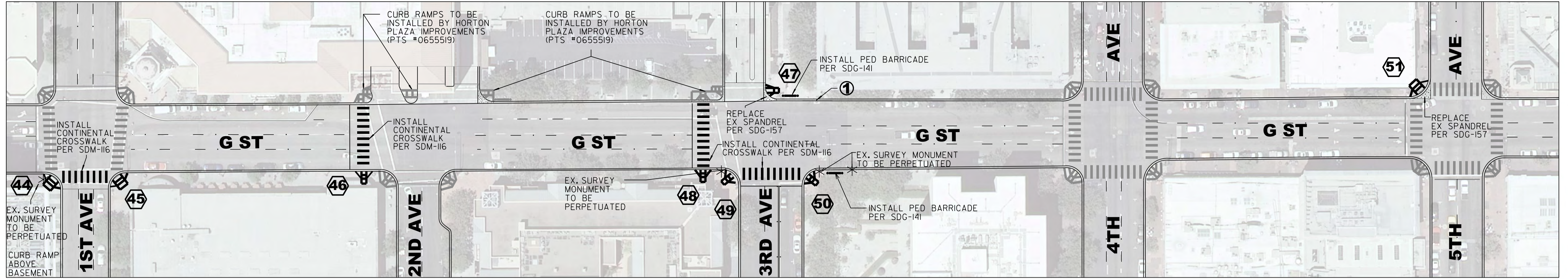
C-4

RESIDENT ENGINEER (RE)/CONTRACTOR NOTE:

- FOR ALL CURB RAMP LOCATIONS, RE SHALL FIRST VERIFY BASEMENT LIMITS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE RE PRIOR TO ANY DEMOLITION.
- CONTRACTOR SHALL REPLACE LIFTED, DAMAGE, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETScape MANUAL (CCSM) FOR "CCDC BRICK PAVING" SIDEWALK PATTERN ON CURB RAMPS #25 TO #38 AND "CCDC STANDARD PAVING FOR CURB RAMPS #39 TO #43. REFER TO NOTE 8 ON SHEET G-1.



LEGEND		CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION	
① CURB RAMP NO's	⊙ EX TREE	⊙ EX STREET LIGHT	
⊙ CURB RAMP BARRICADE	⊙ EX STREET SIGN	⊙ EX UTILITY POLE	
⊙ EX FIRE HYDRANT	⊙ EX CURB RAMP	⊙ EX TRAFFIC SIGNAL POLE	
PROPOSED CURB RAMPS PER STANDARD DRAWINGS:			
DETECTABLE WARNING TILES	SDG-130		
GENERAL CURB RAMP NOTES	SDG-131		
CURB RAMP TYPE A	SDG-132		
CURB RAMP TYPE B	SDG-133		
DUAL CURB RAMPS	SDG-134		
CURB RAMP - TYPE C1 & C2	SDG-135		
CURB RAMP - ADDITIONAL DETAILS	SDG-136		
CURB RAMP - TYPE D	SDG-137		
GENERAL CURB RAMPS	SDG-138		
PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS	SDG-139		
PROTECTIVE RAILING AT CURB RAMPS	SDG-140		
PEDESTRIAN BARRICADE-TYPE A	SDG-141		
EX HISTORICAL STAMP OR IMPRESSION	SDG-145		
CROSS GUTTER	SDG-157		
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 07 OF 75 SHEETS		WBS#	B-17114
APPROVED:		SUBMITTED BY:	
FOR CITY ENGINEER _____ DATE _____		AVEEN SALEH PROJECT MANAGER	
DAYUE ZHANG C70971		JWAN MUFTI PROJECT ENGINEER	
PRINT DCE NAME _____ RCE# _____			
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	JM		
CONTRACTOR _____	DATE STARTED _____		
INSPECTOR _____	DATE COMPLETED _____		40677-07-D



CURB RAMP NOTES TABLE

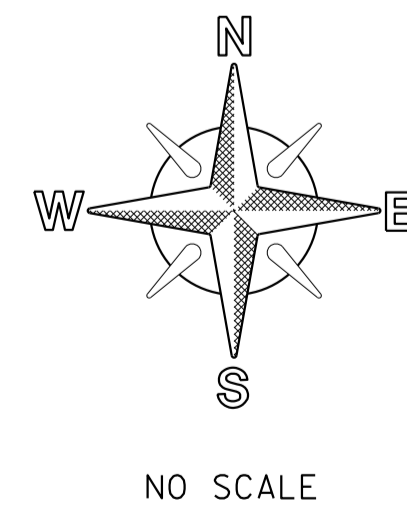
LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC. SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
44	A		20'	X			X		X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2.
45	A		20'	X					X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE TRAFFIC SIGNAL POLE AND FIRE HYDRANT.
46	B		13'						X		RELOCATE RECEPTACLE. SEE DETAIL ON SHEET C-33.
47	A		14'	X		X			X		PROTECT IN PLACE TRAFFIC SIGNAL POLE, AND ELECTRICAL PULLBOXES. REPLACE EX PED BARRICADE PER SDG-141. INSTALL CONTINENTAL CROSSWALK PER SDM-116. PROTECT IN PLACE EX HISTORICAL STAMP PER SDG-115.
48	B		13'		X		X		X		ALIGN CURB RAMP WITH THE NW CURB RAMP. INSTALL CONTINENTAL CROSSWALK PER SDM-116. SEE DETAIL ON SHEET C-34.
49	A		14'				X		X		ALIGN CURB RAMP WITH THE SE CURB RAMP. INSTALL CONTINENTAL CROSSWALK PER SDM-116. SEE DETAIL ON SHEET C-34.
50	A		10'	X			X		X		PROTECT IN PLACE (2) TRAFFIC SIGNAL POLE, (3) ELECTRICAL PULLBOX, FIRE HYDRANT AND IRON FENCE. REMOVE EX PED BARRICADE POLES AND INTALL NEW PED BARRICADE PER SDG-141. INSTALL CONTINENTAL CROSSWALK PER SDM-116.
51	A		12'	X					X		INSTALL CURB RAMP WITH 8'-0" RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE TRAFFIC SIGNAL POLE AND STREETLIGHT POLE. RELOCATE RECEPTACLE IF NECESSARY.

RESIDENT ENGINEER (RE)/CONTRACTOR NOTE:

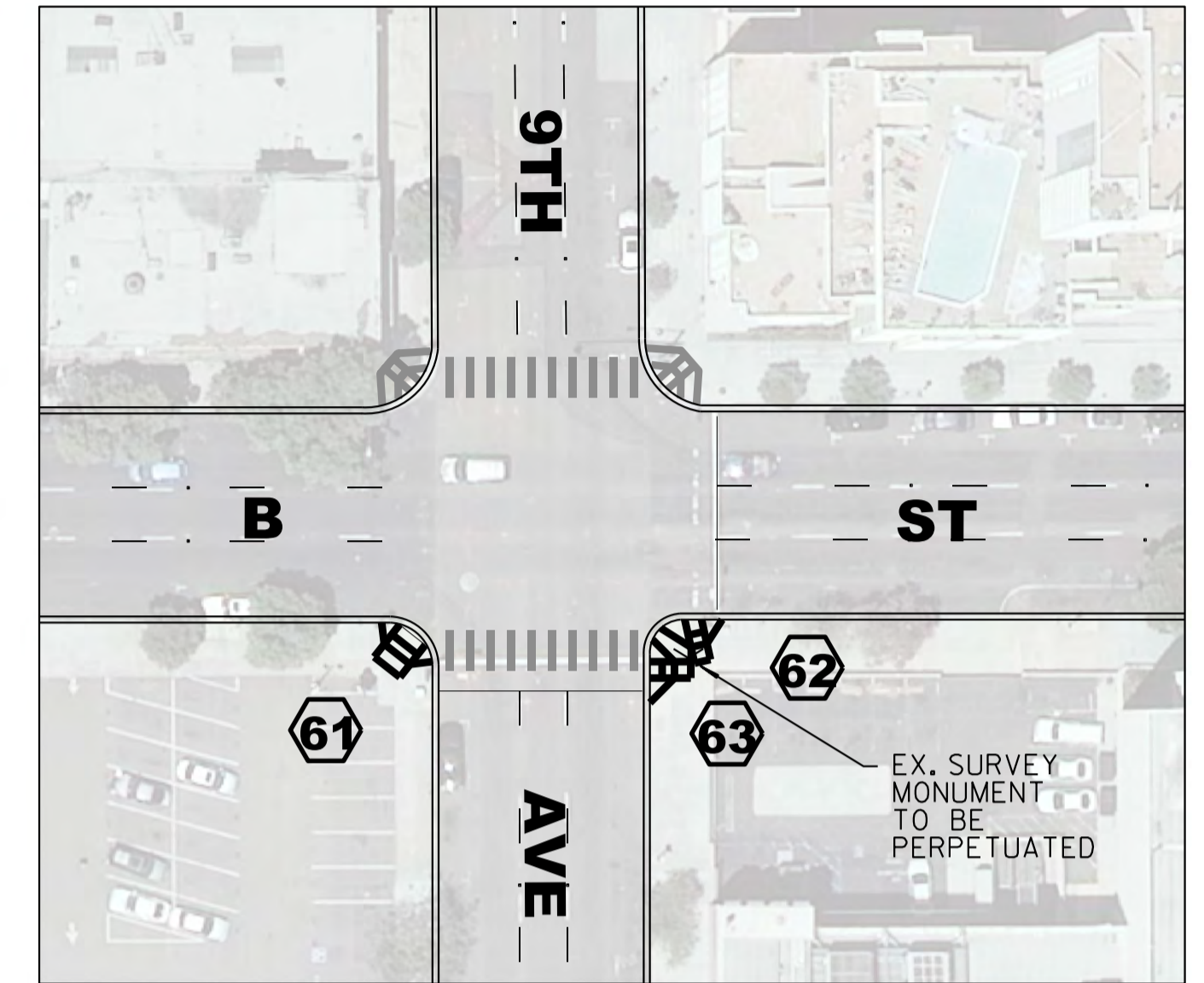
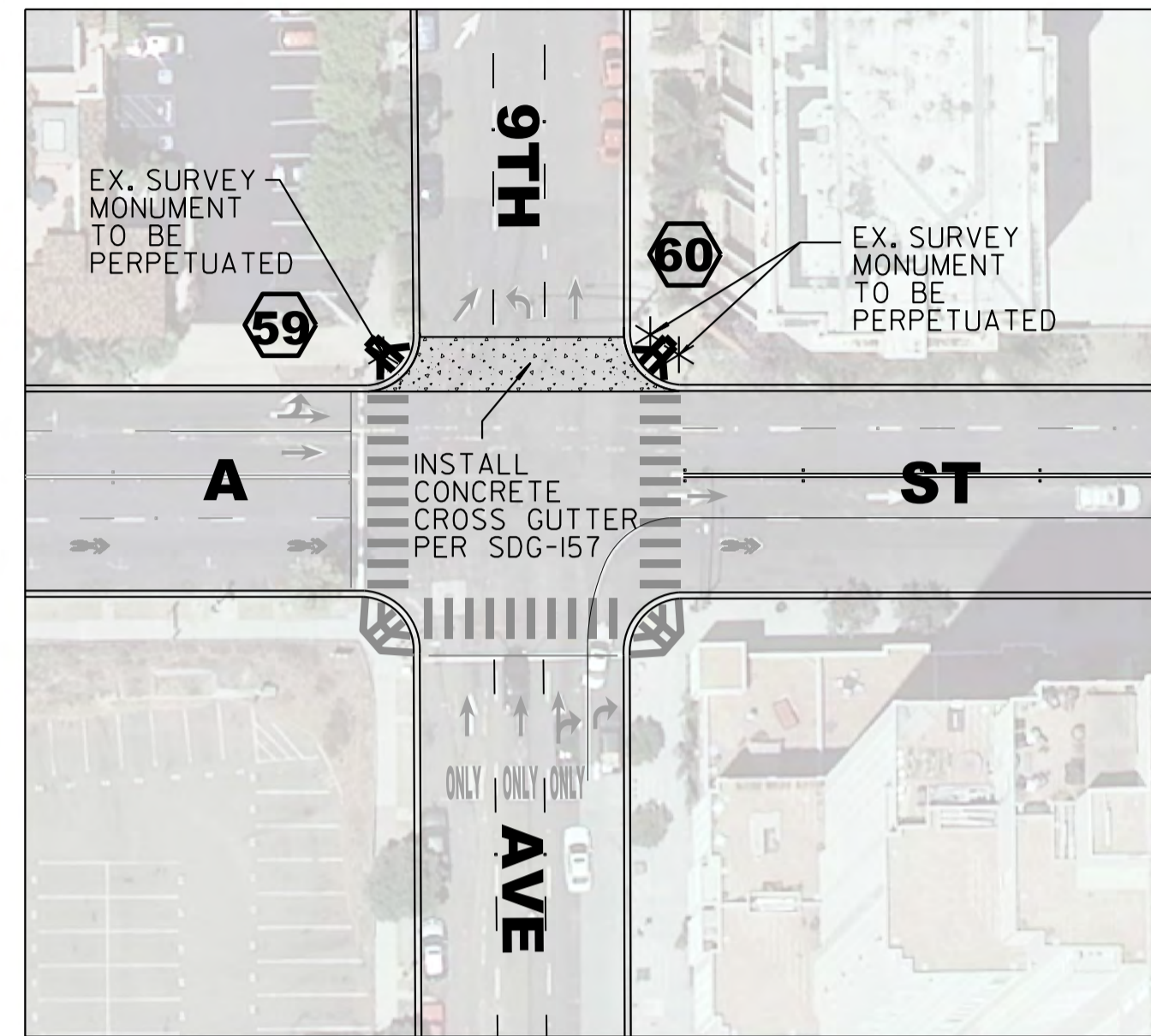
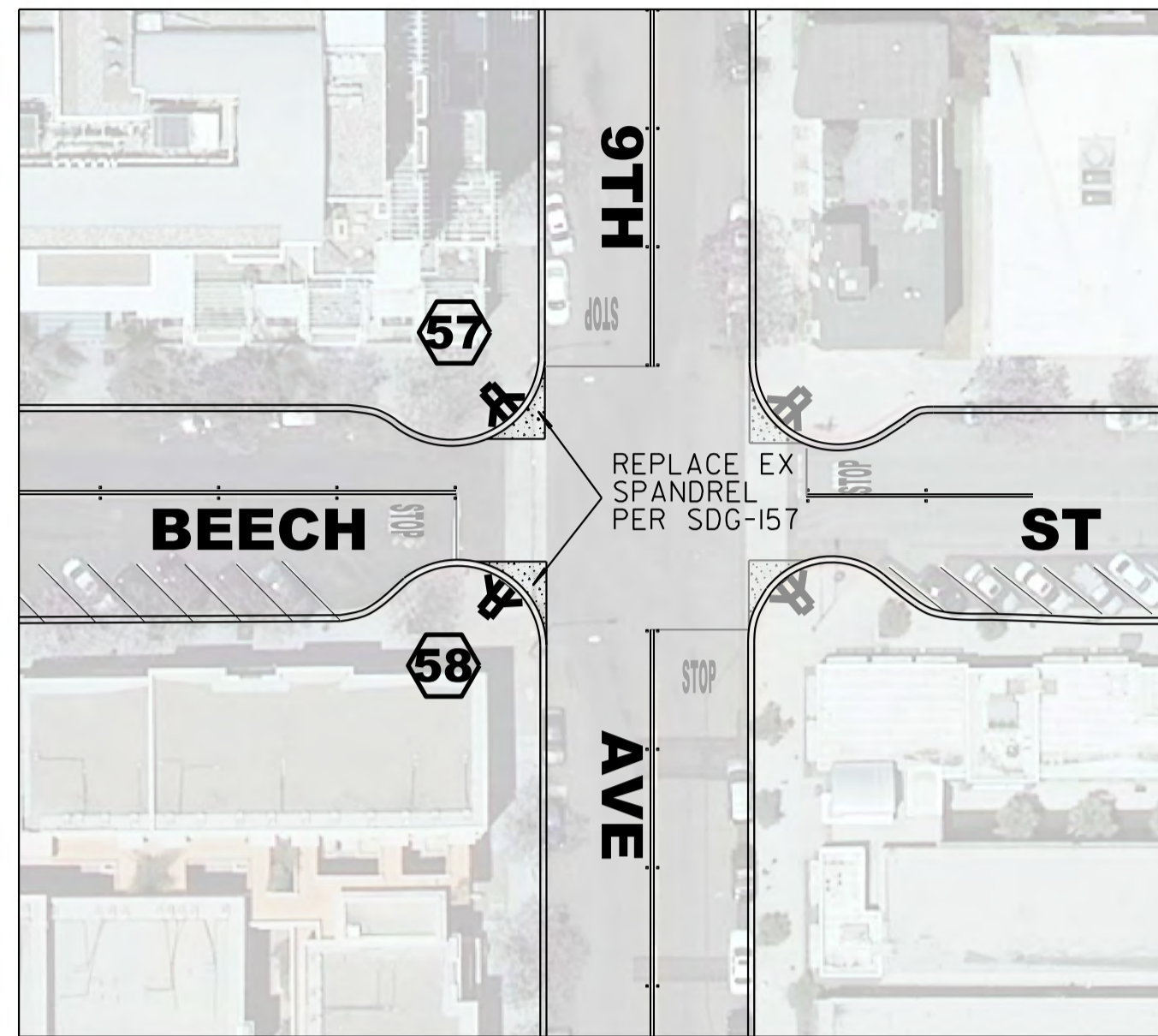
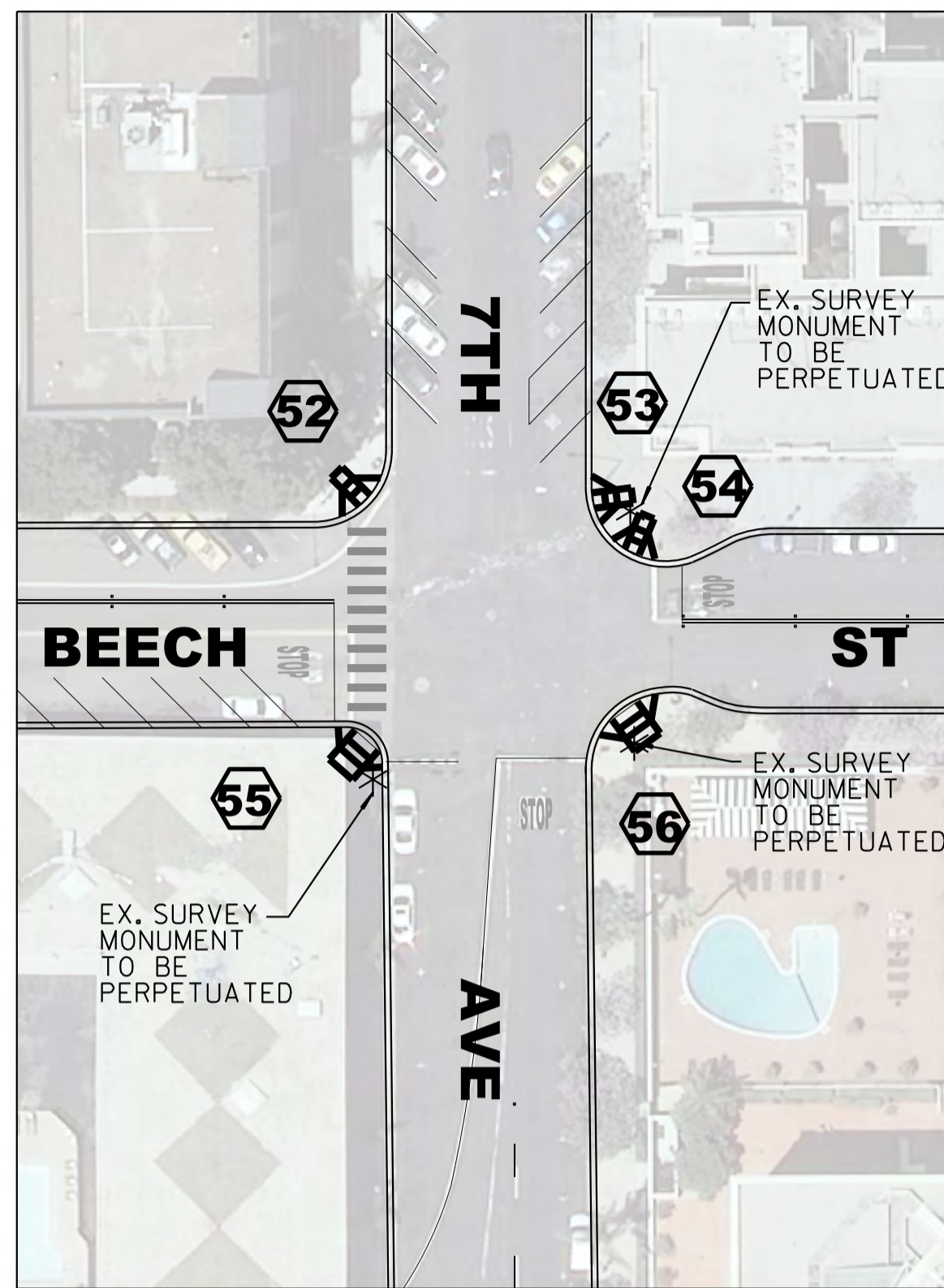
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 2. CONTRACTOR SHALL REPLACE LIFTED, DAMAGE, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETSCAPE MANUAL (CCSM) FOR "CHILDREN'S PARK PAVING" ON CURB RAMP #44 AND "HORTON PLAZA" SIDEWALK PATTERN ON CURB RAMPS #45 TO #50 AND "GASLAMP QUARTER" SIDEWALK PATTERN FOR #51. REFER TO NOTE 8 ON SHEET G-1.

- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-5



LEGEND		CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION	
Ⓝ CURB RAMP NO's	⊙ EX TREE	⊙ EX STREET LIGHT	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 08 OF 75 SHEETS
⊙ CURB RAMP BARRICADE	⊙ EX STREET SIGN	⊙ EX UTILITY POLE	
⊙ EX FIRE HYDRANT	⊙ EX CURB RAMP	⊙ EX TRAFFIC SIGNAL POLE	WBS# B-17114
PROPOSED CURB RAMPS PER STANDARD DRAWINGS:			APPROVED: _____ DATE _____
DETECTABLE WARNING TILES	SDG-130	FOR CITY ENGINEER	DAYUE ZHANG
GENERAL CURB RAMP NOTES	SDG-131	DATE	C7/09/11
CURB RAMP TYPE A	SDG-132	PRINT DCE NAME	RCE#
CURB RAMP TYPE B	SDG-133		
DUAL CURB RAMPS	SDG-134		
CURB RAMP - TYPE C1 & C2	SDG-135		
CURB RAMP - ADDITIONAL DETAILS	SDG-136		
CURB RAMP - TYPE D	SDG-137		
GENERAL CURB RAMPS	SDG-138		
PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS	SDG-139		
PROTECTIVE RAILING AT CURB RAMPS	SDG-140		
PEDESTRIAN BARRICADE-TYPE A	SDG-141		
EX HISTORICAL STAMP OR IMPRESSION	SDG-115		
CROSS GUTTER	SDG-157		
CONTRACTOR _____		DATE STARTED _____	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER
INSPECTOR _____		DATE COMPLETED _____	
			PROJECT ENGINEER: JWAN MUFTI
			VARIES
			CCS27 COORDINATE
			VARIES
			CCS83 COORDINATE
			40677-08-D



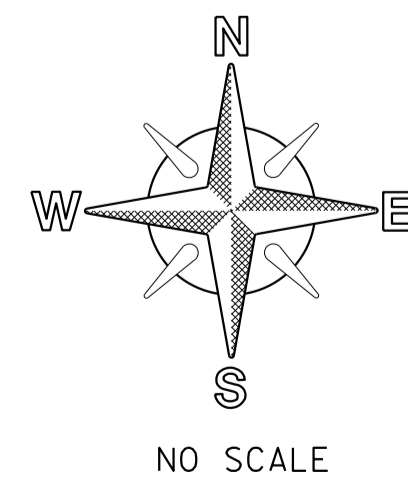
CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
52	A		10'	X				X	X		SEE DETAIL ON SHEET C-35.
53	B		15'		X				X		SEE DETAIL ON SHEET C-36.
54	A		15'	X				X	X		SEE DETAIL ON SHEET C-36.
55	A		10'	X			X	X	X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE STREETLIGHT POLE, TRAFFIC SIGN POST AND PARKING METER POST. ADJUST EX ELECTRICAL PULLBOX TO GRADE.
56	A		10'	X			X	X	X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING. SEE DETAIL ON SHEET C-37.
57	A		14'	X				X	X		PROTECT IN PLACE STREETLIGHT POLE, TRAFFIC SIGN POST, PLANTERS AND ELECTRICAL PULLBOX. RELOCATE RECEPTACLE IF NECESSARY.
58	A		14'	X		X		X	X		PROTECT IN PLACE STREETLIGHT POLE, TRAFFIC SIGN POST, SIDEWALK UNDER DRAIN INLETS AND PLANTERS. ADJUST EX ELECTRICAL PULLBOX TO GRADE. PROTECT IN PLACE EX HISTORICAL STAMP PER SDG-115.
59	A		14'	X			X		X		PROTECT IN PLACE RETAINING WALL, STREETLIGHT POLE AND TRAFFIC SIGNAL POLE.
60	A		14'	X			X		X		SEE DETAIL ON SHEET C-38.
61	A		14'	X			X		X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE STREETLIGHT POLE, TRAFFIC SIGNAL POLE, UTILITY CABINET AND FIRE HYDRANT. ADJUST (3) EX ELECTRICAL PULLBOX TO GRADE.
62	B		14'	X		X	X		X		PROTECT RETAINING WALL, IRON FENCE, STREETLIGHT POLE AND UTILITY CABINET. ADJUST EX ELECTRICAL PULLBOX TO GRADE. PROTECT IN PLACE EX HISTORICAL STAMP PER SDG-115.
63	B		14'		X				X		PROTECT IN PLACE RETAINING WALL, IRON FENCE AND ELECTRICAL PULLBOX. MAINTAIN MIN DISTANCE ADJACENT TO EX DRIVEWAY.

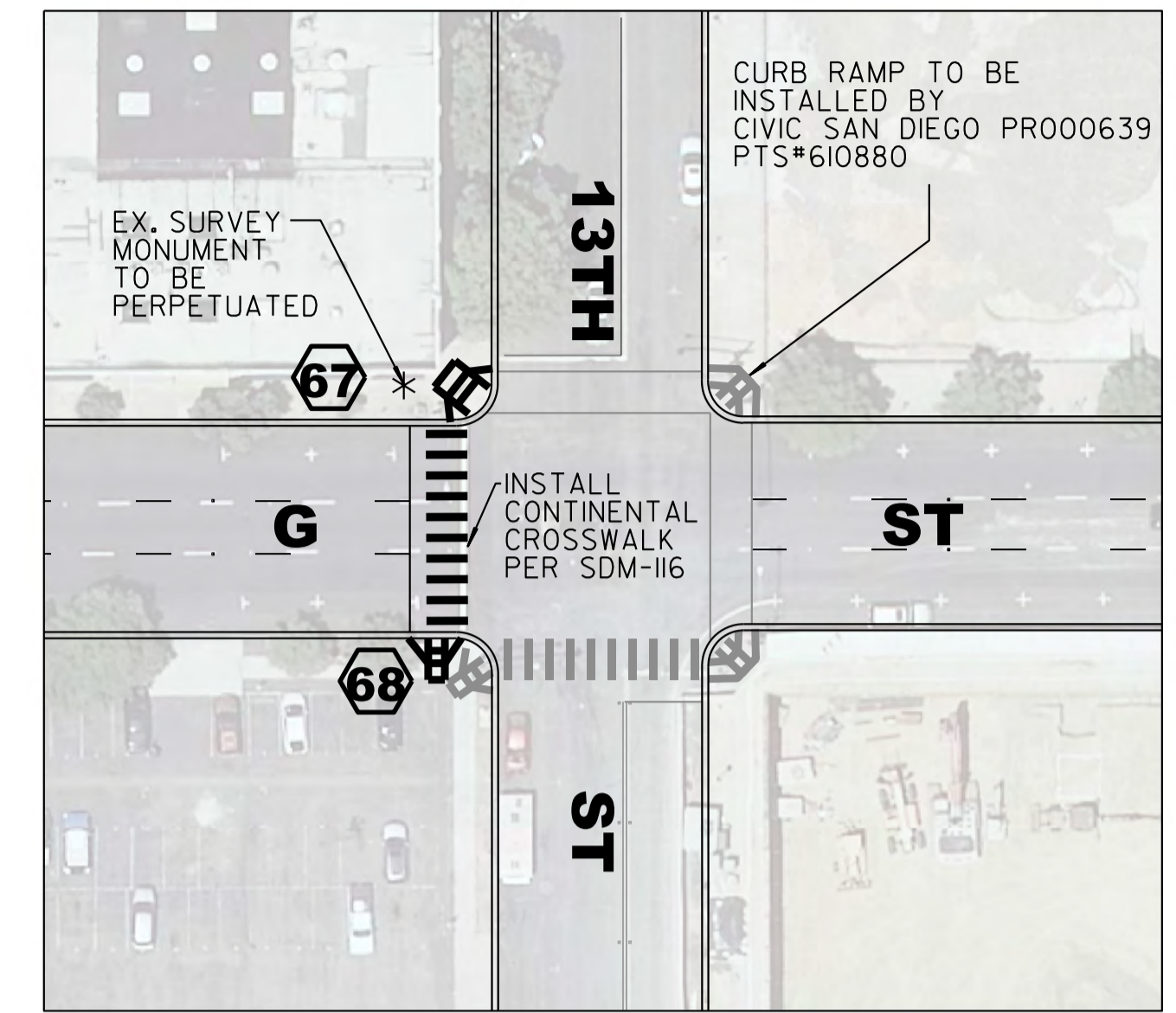
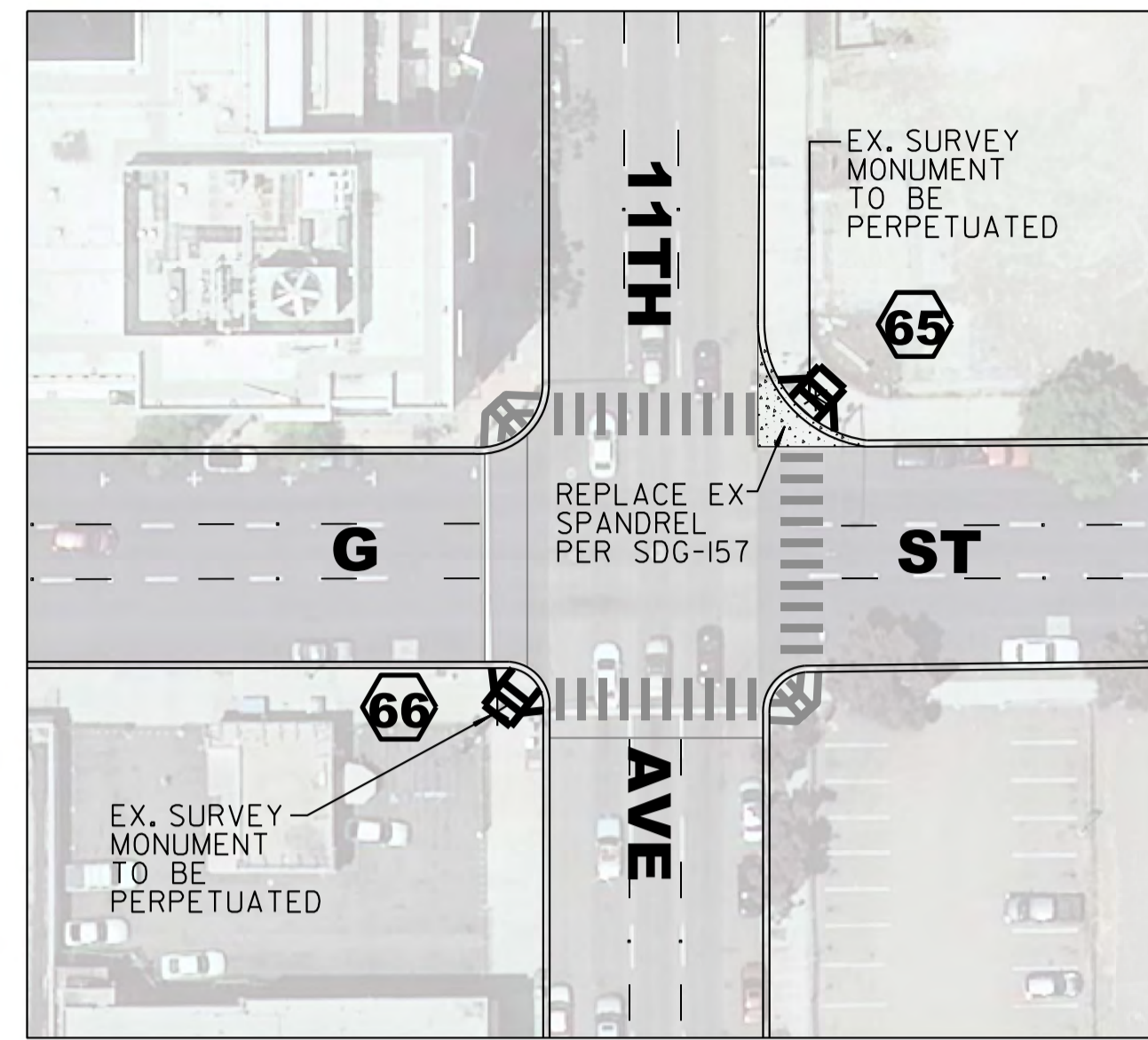
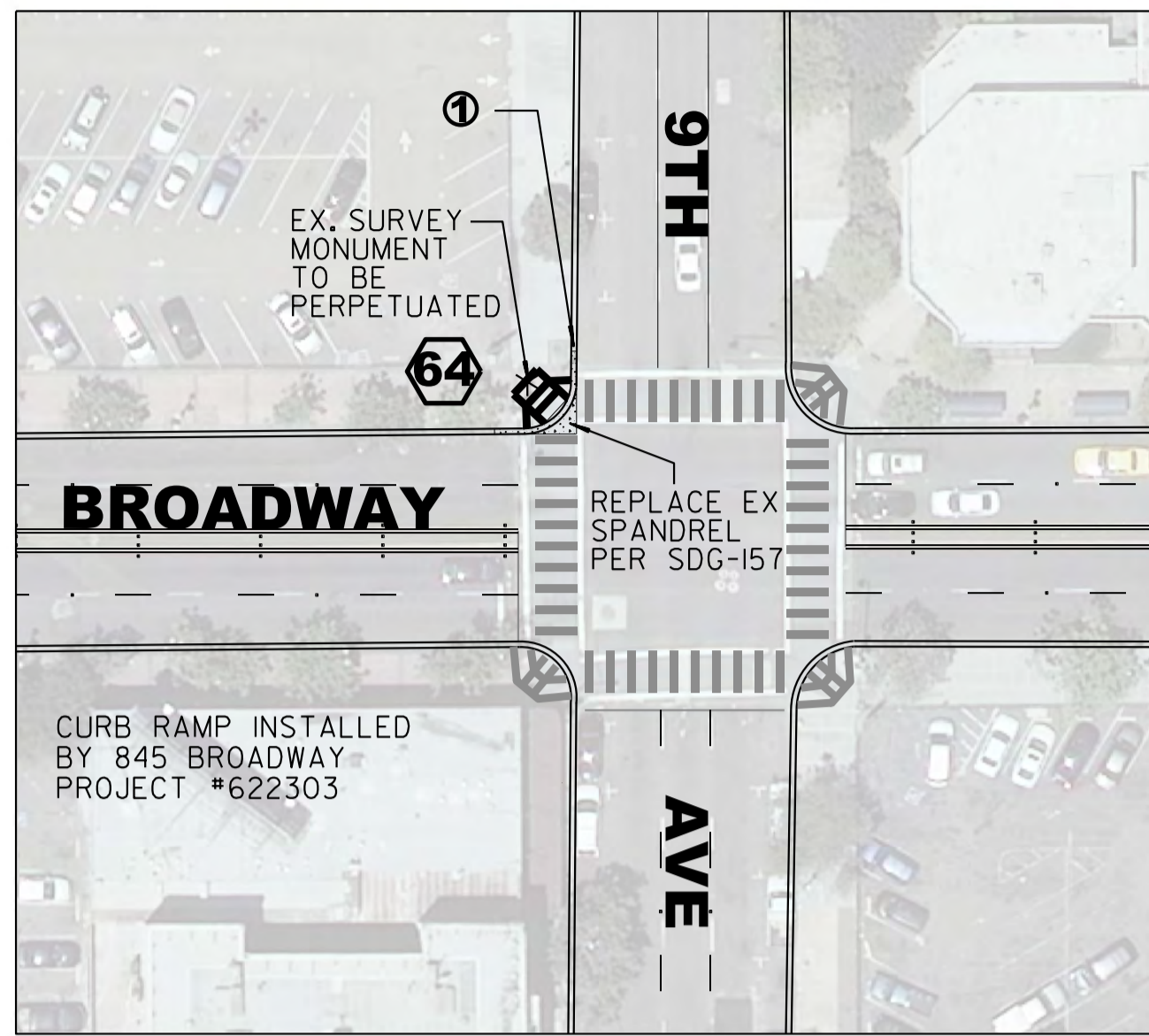
RESIDENT ENGINEER (RE)/CONTRACTOR NOTE:
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 2. CONTRACTOR SHALL REPLACE LIFTED, DAMAGE, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETScape MANUAL (CCSM) FOR "CCDC STANDARD PAVING" SIDEWALK PATTERN. REFER TO NOTE 8 ON SHEET G-1.

- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-6



LEGEND		CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION	
NO CURB RAMP NO's	EX TREE	EX STREET LIGHT	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 09 OF 75 SHEETS
○ CURB RAMP BARRICADE	EX STREET SIGN	EX UTILITY POLE	
□ EX FIRE HYDRANT	EX CURB RAMP	EX TRAFFIC SIGNAL POLE	WBS# B-17114
PROPOSED CURB RAMP PER STANDARD DRAWINGS:			APPROVED: _____ DATE _____
DETECTABLE WARNING TILES	SDG-130	FOR CITY ENGINEER	DAYUE ZHANG
GENERAL CURB RAMP NOTES	SDG-131	PRINT DCE NAME	C70971
CURB RAMP TYPE A	SDG-132	DATE	
CURB RAMP TYPE B	SDG-133	RCE#	
DUAL CURB RAMP	SDG-134	DESCRIPTION	BY
CURB RAMP - TYPE C1 & C2	SDG-135	APPROVED	DATE
CURB RAMP - ADDITIONAL DETAILS	SDG-136	FILED	
CURB RAMP - TYPE D	SDG-137		
GENERAL CURB RAMP	SDG-138		
PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS	SDG-139		
PROTECTIVE RAILING AT CURB RAMP	SDG-140	CONTRACTOR	DATE STARTED
PEDESTRIAN BARRICADE-TYPE A	SDG-141	INSPECTOR	DATE COMPLETED
EX HISTORICAL STAMP OR IMPRESSION	SDG-115		
CROSS GUTTER	SDG-157		
		SUBMITTED BY: AVEEN SALEH PROJECT MANAGER	
		JWAN MUFTI PROJECT ENGINEER	
		VARIES CCS27 COORDINATE	
		VARIES CCS83 COORDINATE	
		40677-09-D	



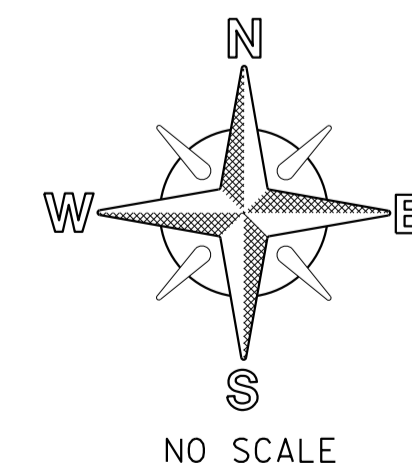
CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
64	A		14'	X		X	X		X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE (2) TRAFFIC SIGNAL POLE, STORM DRAIN INLET, ADJUST EX ELECTRICAL PULLBOX TO GRADE. PROTECT IN PLACE EX HISTORICAL STAMP PER SDG-I15.
65	A		10'	X			X				INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE STREETLIGHT POLE, TRAFFIC SIGNAL POLE, FIRE HYDRANT AND CHAIN LINK FENCE. ADJUST EX ELECTRICAL PULLBOX TO GRADE.
66	A		13'	X			X		X		INSTALL CURB RAMP WITH 10'-0" WIDE RAMP OPENING. SEE DETAIL ON SHEET C-39.
67	A		13'		X				X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING. SEE DETAIL ON SHEET C-40.
68	B		14'	X			X		X		SEE DETAIL ON SHEET C-40.

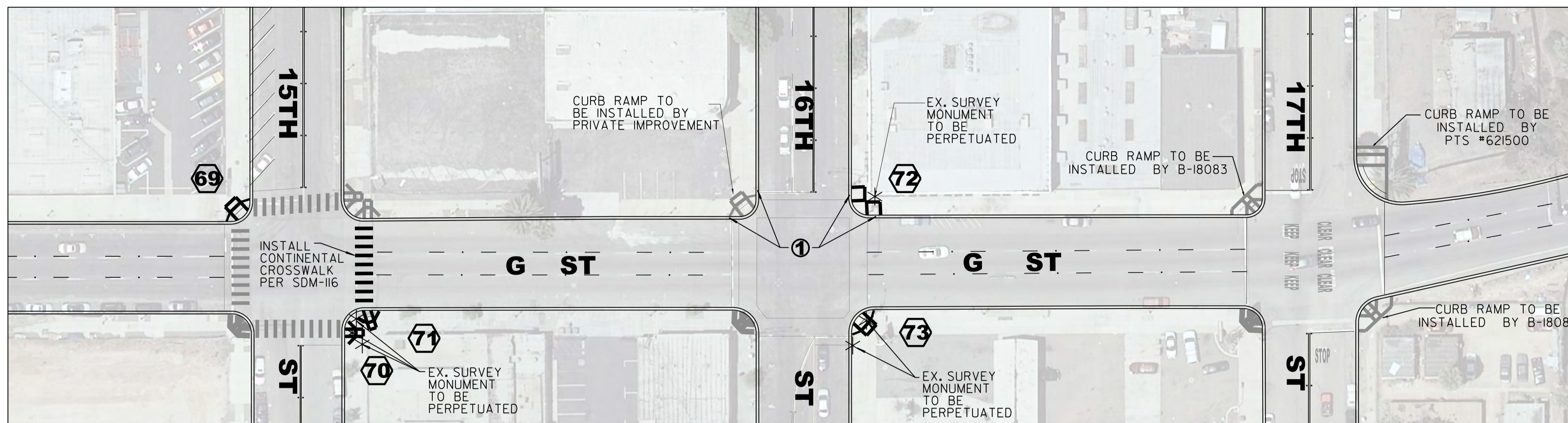
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- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-7

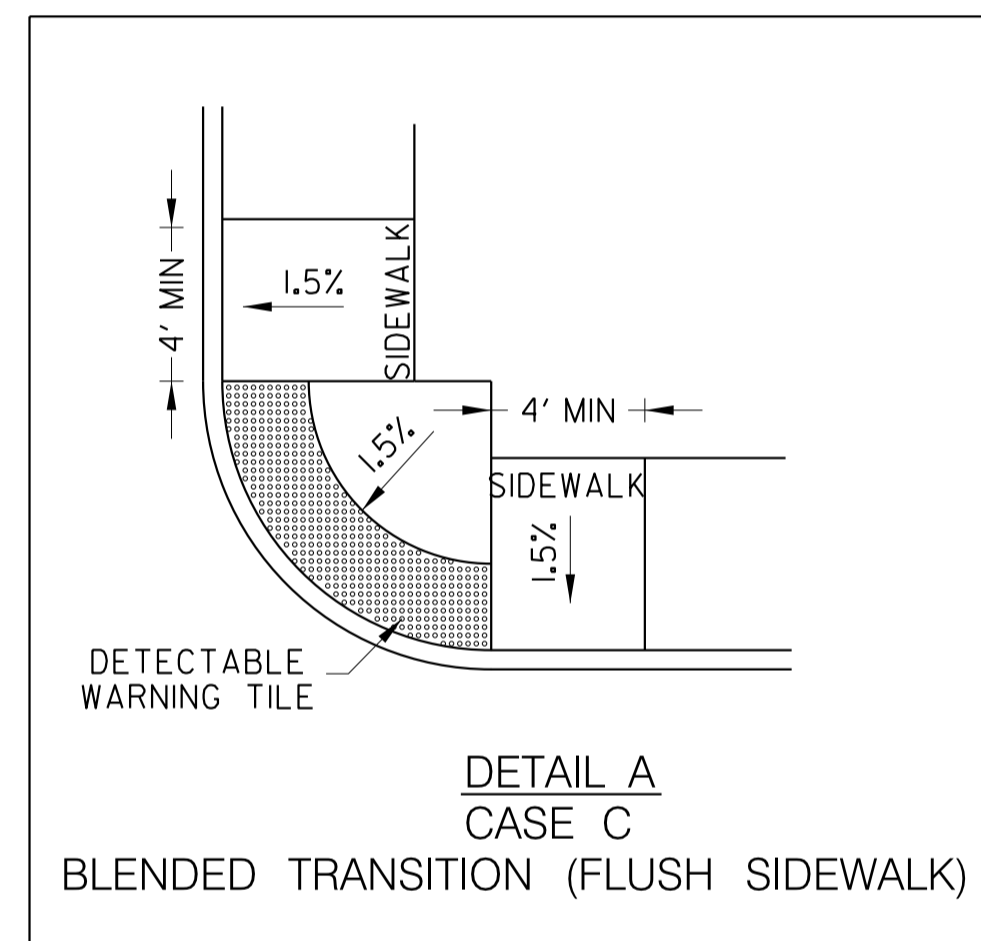


LEGEND			CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION		
①	CURB RAMP NO's	⊙	EX TREE	⊗	EX STREET LIGHT
⊙	CURB RAMP BARRICADE	⬆	EX STREET SIGN	⬆	EX UTILITY POLE
⊙	EX FIRE HYDRANT	⬆	EX CURB RAMP	⊙	EX TRAFFIC SIGNAL POLE
PROPOSED CURB RAMPS PER STANDARD DRAWINGS:					
DETECTABLE WARNING TILES		SDG-130			
GENERAL CURB RAMP NOTES		SDG-131			
CURB RAMP TYPE A		SDG-132			
CURB RAMP TYPE B		SDG-133			
DUAL CURB RAMPS		SDG-134			
CURB RAMP - TYPE C1 & C2		SDG-135			
CURB RAMP - ADDITIONAL DETAILS		SDG-136			
CURB RAMP - TYPE D		SDG-137			
GENERAL CURB RAMPS		SDG-138			
PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS		SDG-139			
PROTECTIVE RAILING AT CURB RAMPS		SDG-140			
PEDESTRIAN BARRICADE-TYPE A		SDG-141			
EX HISTORICAL STAMP OR IMPRESSION		SDG-145			
CROSS GUTTER		SDG-157			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 10 OF 75 SHEETS			WBS# B-17114		
APPROVED:		DATE		SUBMITTED BY:	
FOR CITY ENGINEER				AVEEN SALEH	
DAYUE ZHANG		C70971		PROJECT MANAGER	
PRINT DCE NAME		RCE#		JWAN MUFTI	
DESCRIPTION		BY	APPROVED	DATE	FILMED
ORIGINAL		JM			
CONTRACTOR		DATE STARTED		40677-10-D	
INSPECTOR		DATE COMPLETED			



CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
69	A		14'	X					X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE STREETLIGHT POLE. ADJUST (2) ELECTRICAL PULLBOX TO GRADE.
70	B		13'	X			X		X		SEE DETAIL ON SHEET C-4I.
71	B		13'		X		X		X		SEE DETAIL ON SHEET C-4I.
72		C	14'	X			X		X		CASE C BLENDED TRANSITION PER SDG-138 AND DETAIL "B" THIS SHEET. PROTECT IN PLACE EX STORM DRAIN INLETS, TRAFFIC SIGN POLES AND (3) ELECTRICAL PULLBOX. USE CAST IN PLACE REPLACEABLE DWT PER CITY AML TO ACCOMMODATE TRIMMING OF PANELS FOR THE RADIUS CORNER. MAINTAIN 4' MIN CLEAR TRAVEL WAY FROM EX TRAFFIC SIGNAL POLES. SEE DETAIL "A".
73	A		13'	X			X		X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE TRAFFIC SIGNAL POLE AND FIRE HYDRANT. MAINTAIN MIN DISTANCE ADJACENT TO EX GAS STATION DRIVEWAY. ADJUST EX ELECTRICAL PULLBOX TO GRADE.

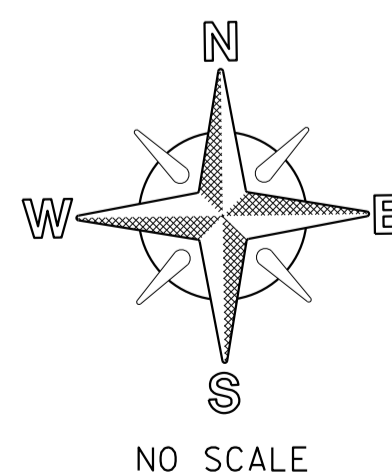


RESIDENT ENGINEER (RE)/CONTRACTOR NOTE:

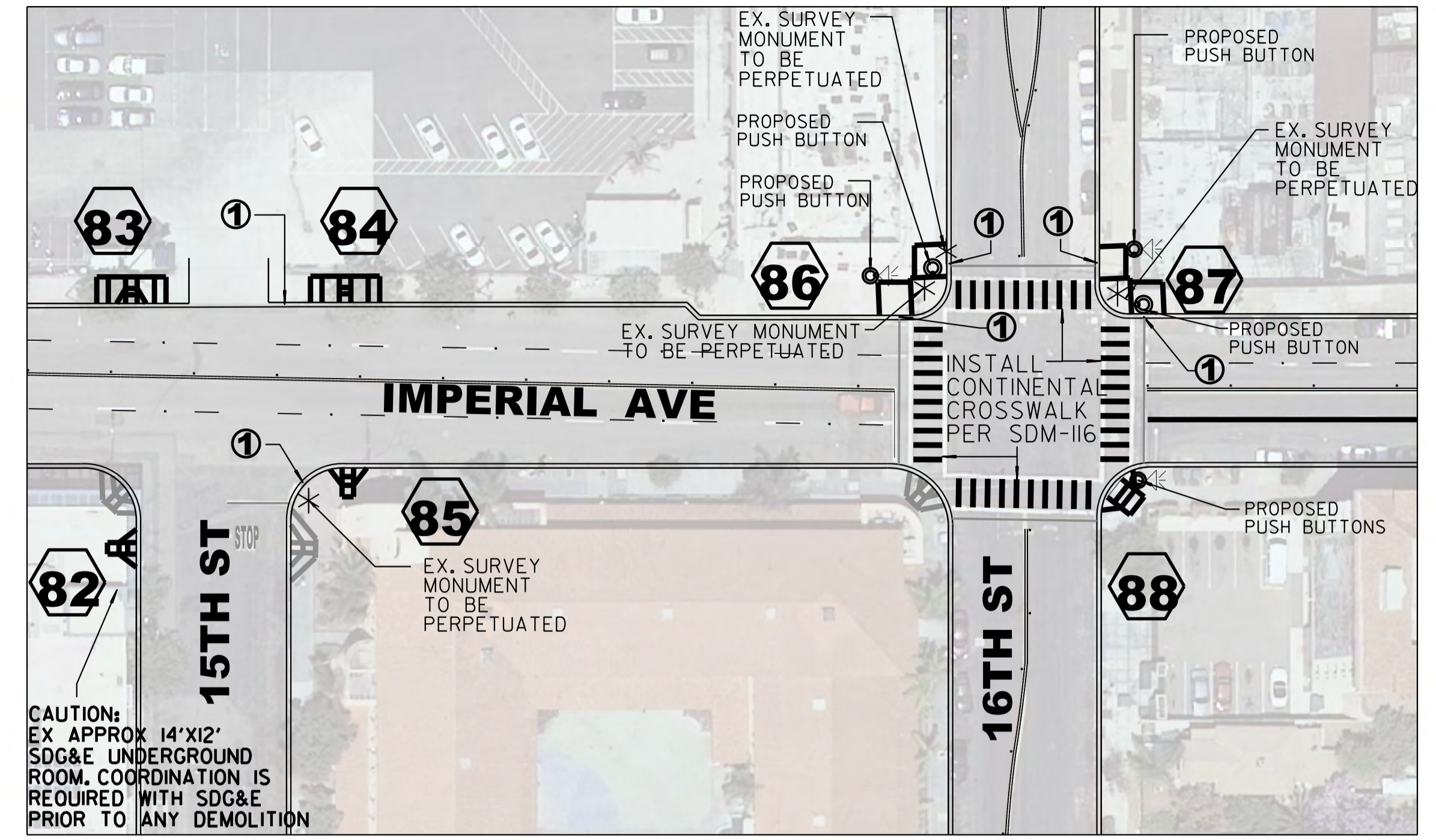
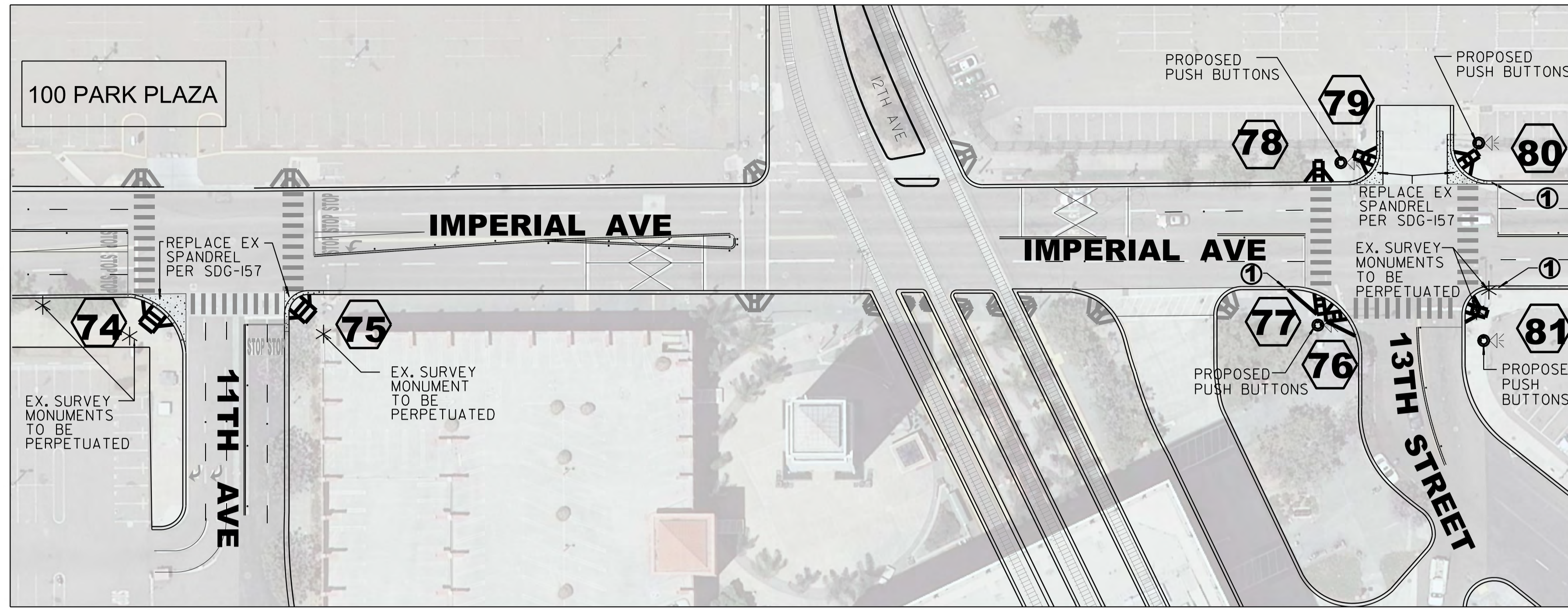
1. FOR ALL CURB RAMP LOCATIONS, RE SHALL FIRST VERIFY BASEMENT LIMITS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE RE PRIOR TO ANY DEMOLITION.
 2. CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETSCAPE MANUAL (CCSM) FOR "CCDC STANDARD PAVING" SIDEWALK PATTERN. REFER TO NOTE 8 ON SHEET G-1.

- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-8

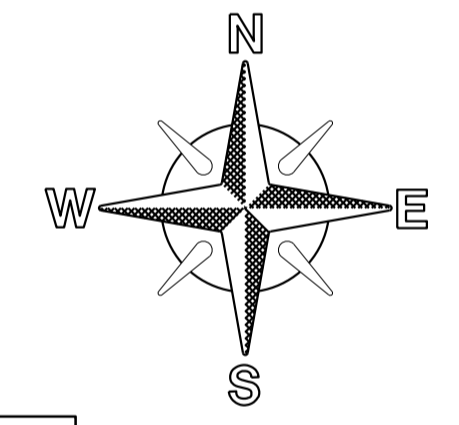


LEGEND		CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION	
① CURB RAMP NO'S	⊙ EX TREE	⊙ EX STREET LIGHT	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 11 OF 75 SHEETS
⊙ CURB RAMP BARRICADE	⊙ EX STREET SIGN	⊙ EX UTILITY POLE	
⊙ EX FIRE HYDRANT	⊙ EX CURB RAMP	⊙ EX TRAFFIC SIGNAL POLE	WBS# B-17114
PROPOSED CURB RAMP PER STANDARD DRAWINGS:			APPROVED BY: AVEEN SALEH PROJECT MANAGER
DETECTABLE WARNING TILES	SDG-130		FOR CITY ENGINEER: DATE
GENERAL CURB RAMP NOTES	SDG-131		DAYUE ZHANG C70971
CURB RAMP TYPE A	SDG-132		PRINT DCE NAME RCE#
CURB RAMP TYPE B	SDG-133		
DUAL CURB RAMP	SDG-134		
CURB RAMP - TYPE C1 & C2	SDG-135		
CURB RAMP - ADDITIONAL DETAILS	SDG-136		
CURB RAMP - TYPE D	SDG-137		
GENERAL CURB RAMP	SDG-138		
PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS	SDG-139		
PROTECTIVE RAILING AT CURB RAMP	SDG-140		
PEDESTRIAN BARRICADE-TYPE A	SDG-141		
EX HISTORICAL STAMP OR IMPRESSION	SDG-145		
CROSS GUTTER	SDG-157		
CONTRACTOR INSPECTOR			DATE STARTED
			DATE COMPLETED
			40677-11-D



CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
74	A		14'	X		X	X	X	X		INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. ADJUST 2 ELECTRICAL PULLBOXES TO GRADE. RELOCATE PLANTER. PROTECT IN PLACE EX HISTORICAL STAMP PER SDG-I15.
75	A		14'	X			X	X	X		INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. RELOCATE RECEPTACLE.
76	B		14'	X					X		PROTECT EX TRAFFIC SIGNAL POLE, ADJUST (3) ELECTRICAL PULLBOX TO GRADE AS NECESSARY. ALIGN CURB RAMP WITH THE SE CURB RAMP (#89). INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED.
77	B		14'		X				X		PROTECT EX TRAFFIC SIGNAL POLE AND STORM DRAIN INLET. ADJUST EX ELECTRICAL PULLBOX TO GRADE. ALIGN CURB RAMP WITH THE NW CURB RAMP (#86). INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED.
78	B		14'	X				X	X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. SEE DETAIL ON SHEET C-42.
79	B		14'	X					X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. SEE DETAIL ON SHEET C-42.
80	A		14'	X					X		INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. SEE DETAIL ON SHEET C-42.
81	A		14'	X			X		X		INSTALL CURB RAMP WITH 6' WIDE RAMP OPENING. PROTECT EX TRAFFIC SIGNAL POLE, CHAIN LINK FENCE, STORM DRAIN INLET, MANHOLE COVER, FIRE HYDRANT AND ELECTRICAL PULLBOX. MAINTAIN MIN 4' CLEAR PATH OF TRAVEL. INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED.
82	B		14'		X				X		RELOCATE TRASH RECEPTACLE. SEE DETAIL ON SHEET C-43.
83	C2		8.5'		X				X		PROTECT EX CHAIN LINK FENCE. MAINTAIN 4' LEVEL LANDING ADJACENT TO DRIVEWAY, ALIGN CURB RAMP OPENING WITH OPPOSING EX SOUTHERN CURB RAMP. SEE DETAIL ON SHEET C-44.
84	C1		8.5'		X			X	X		PROTECT EX CHAIN LINK FENCE, STORM DRAIN INLET AND MANHOLE COVER. MAINTAIN 4' LEVEL LANDING ADJACENT TO DRIVEWAY. SEE DETAIL ON SHEET C-44.
85	B		11'		X		X		X		SEE DETAIL ON SHEET C-43.
86	C		14'		X		X		X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CALTRANS 2018 STANDARD PLAN ES-7A. INSTALL CONTINENTAL CROSSWALK PER SDM-I16. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. SEE DETAIL ON SHEET C-45.
87	C		14'		X		X	X	X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CALTRANS 2018 STANDARD PLAN ES-7A. INSTALL CONTINENTAL CROSSWALK PER SDM-I16. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. SEE DETAIL ON SHEET C-45.
88	A		14'		X				X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING. SEE DETAIL "I" SHEET C-2. PROTECT TRAFFIC SIGNAL POLE, FIRE HYDRANT, IRON FENCE/DOOR, ADJUST ELECTRICAL PULLBOX TO GRADE. INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. MAINTAIN 4' LEVEL LANDING. INSTALL CONTINENTAL CROSSWALK PER SDM-I16.



NO SCALE

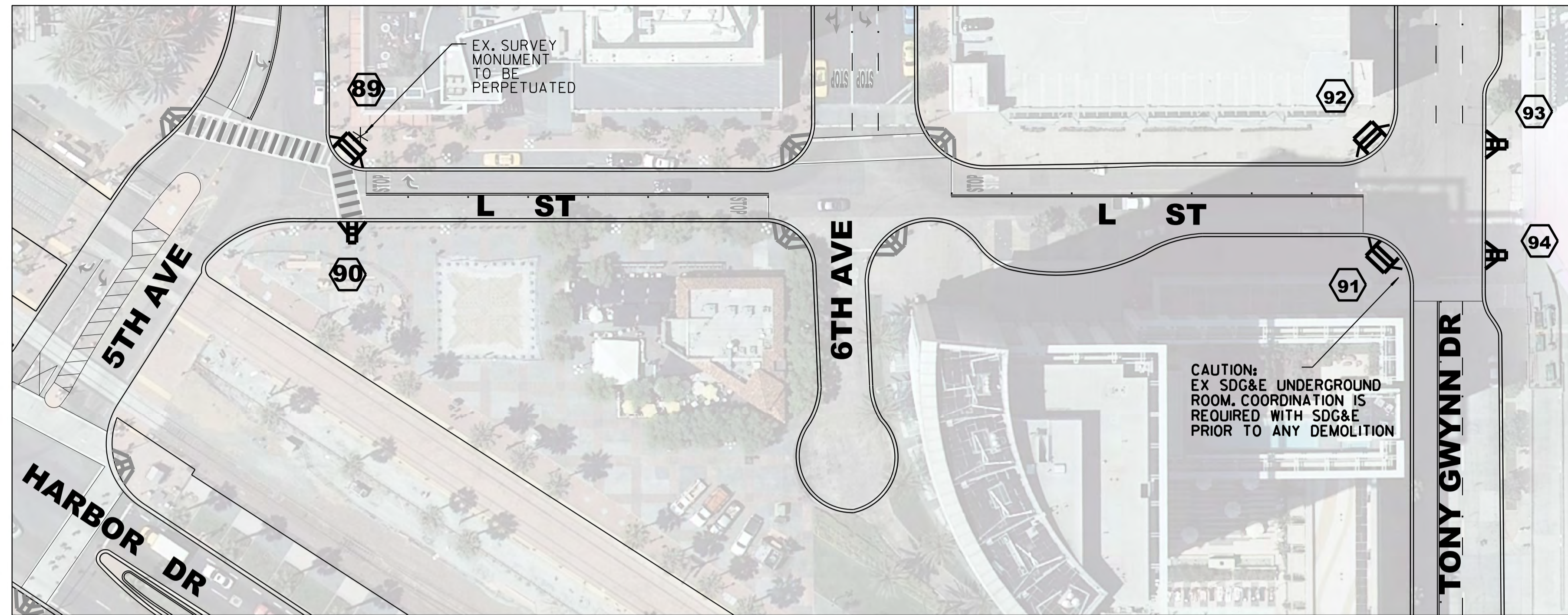
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- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-9

LEGEND		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 12 OF 75 SHEETS																													
⊙ CURB RAMP NO'S	⊙ EX TREE	⊙ EX STREET LIGHT	CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION																												
⊙ CURB RAMP BARRICADE	⊙ EX STREET SIGN	⊙ EX UTILITY POLE																													
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PROPOSED CURB RAMPS PER STANDARD DRAWINGS:		<table border="1"> <tr> <td>DETECTABLE WARNING TILES</td> <td>SDG-130</td> </tr> <tr> <td>GENERAL CURB RAMP NOTES</td> <td>SDG-131</td> </tr> <tr> <td>CURB RAMP TYPE A</td> <td>SDG-132</td> </tr> <tr> <td>CURB RAMP TYPE B</td> <td>SDG-133</td> </tr> <tr> <td>DUAL CURB RAMPS</td> <td>SDG-134</td> </tr> <tr> <td>CURB RAMP - TYPE C1 & C2</td> <td>SDG-135</td> </tr> <tr> <td>CURB RAMP - ADDITIONAL DETAILS</td> <td>SDG-136</td> </tr> <tr> <td>CURB RAMP - TYPE D</td> <td>SDG-137</td> </tr> <tr> <td>GENERAL CURB RAMPS</td> <td>SDG-138</td> </tr> <tr> <td>PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS</td> <td>SDG-139</td> </tr> <tr> <td>PROTECTIVE RAILING AT CURB RAMPS</td> <td>SDG-140</td> </tr> <tr> <td>PEDESTRIAN BARRICADE-TYPE A</td> <td>SDG-141</td> </tr> <tr> <td>EX HISTORICAL STAMP OR IMPRESSION</td> <td>SDG-145</td> </tr> <tr> <td>CROSS GUTTER</td> <td>SDG-157</td> </tr> </table>		DETECTABLE WARNING TILES	SDG-130	GENERAL CURB RAMP NOTES	SDG-131	CURB RAMP TYPE A	SDG-132	CURB RAMP TYPE B	SDG-133	DUAL CURB RAMPS	SDG-134	CURB RAMP - TYPE C1 & C2	SDG-135	CURB RAMP - ADDITIONAL DETAILS	SDG-136	CURB RAMP - TYPE D	SDG-137	GENERAL CURB RAMPS	SDG-138	PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS	SDG-139	PROTECTIVE RAILING AT CURB RAMPS	SDG-140	PEDESTRIAN BARRICADE-TYPE A	SDG-141	EX HISTORICAL STAMP OR IMPRESSION	SDG-145	CROSS GUTTER	SDG-157
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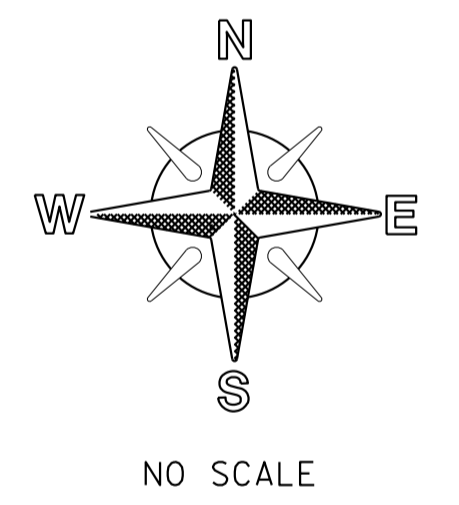
CURB RAMP LOCATION



CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
89	A		14'	X			X	X	X		INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. PROTECT IN PLACE STREETLIGHT POLE, RECEPTACLE AND MANHOLE COVER. RELOCATE PLANTER IF NECESSARY. MATCH EX SIDEWALK BRICKS
90	B		24'	X			X		X		INSTALL CURB RAMP WITH 6'-0" WIDE RAMP OPENING. PROTECT EX BOLLARDS AND RECEPTACLE. MATCH EX SIDEWALK BRICKS.
91	A		20'	X			X	X	X		INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. PROTECT EX VAULT, RECEPTACLE AND TRAFFIC SIGN POST. ADJUST EX ELECTRICAL PULLBOX TO GRADE. SDG&E STANDBY IS REQUIRED DURING CONSTRUCTION.
92	A		14'	X		X			X		INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. PROTECT IN PLACE STREETLIGHT POLE AND (2) ELECTRICAL PULLBOX. RELOCATE RECEPTACLE. PROTECT IN PLACE EX HISTORICAL STAMP PER SDG-115.
93	B		20'	X			X	X	X		INSTALL CURB RAMP WITH 6'-0" WIDE RAMP OPENING. PROTECT IN PLACE STREETLIGHT POLE AND (3) EX UTILITY PULLBOXES.
94	B		20'	X			X	X	X		RELOCATE EX CURB RAMP TO ALIGN WITH SW CORNER CURB RAMP (*99). ENSURE 4' MIN LANDING IN FRONT OF STAIRS. PROTECT IN PLACE ONE WAY SIGN. RELOCATE LIMIT LINE AND LEGEND MARKING BEFORE CURB OPENING. ADJUST EX ELECTRICAL PULLBOX TO GRADE.

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 3. FOR CURB RAMP 89 AND 90, CONTRACTOR SHALL COORDINATE WITH BNSF PRIOR TO ANY DEMOLITION.

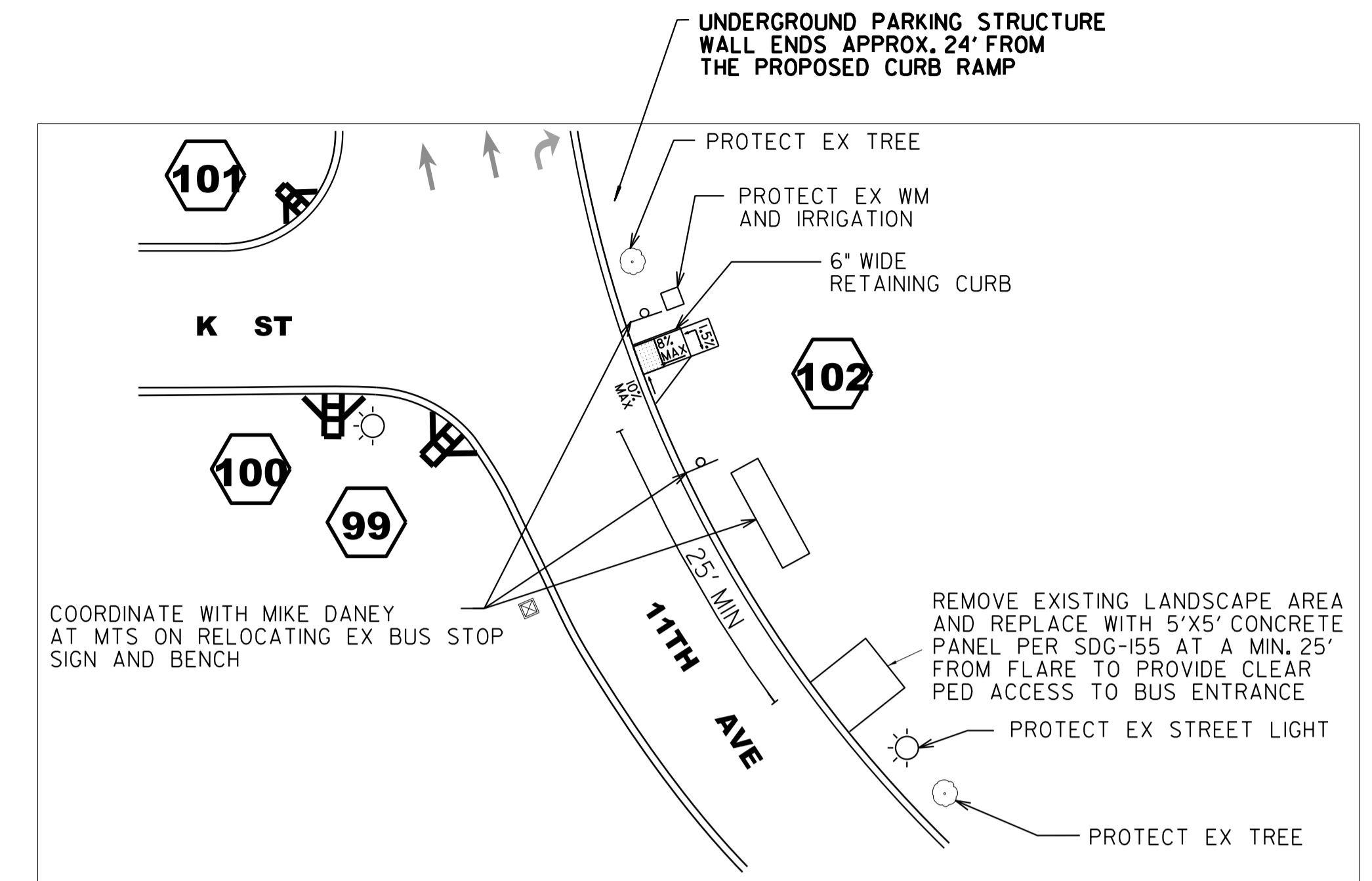
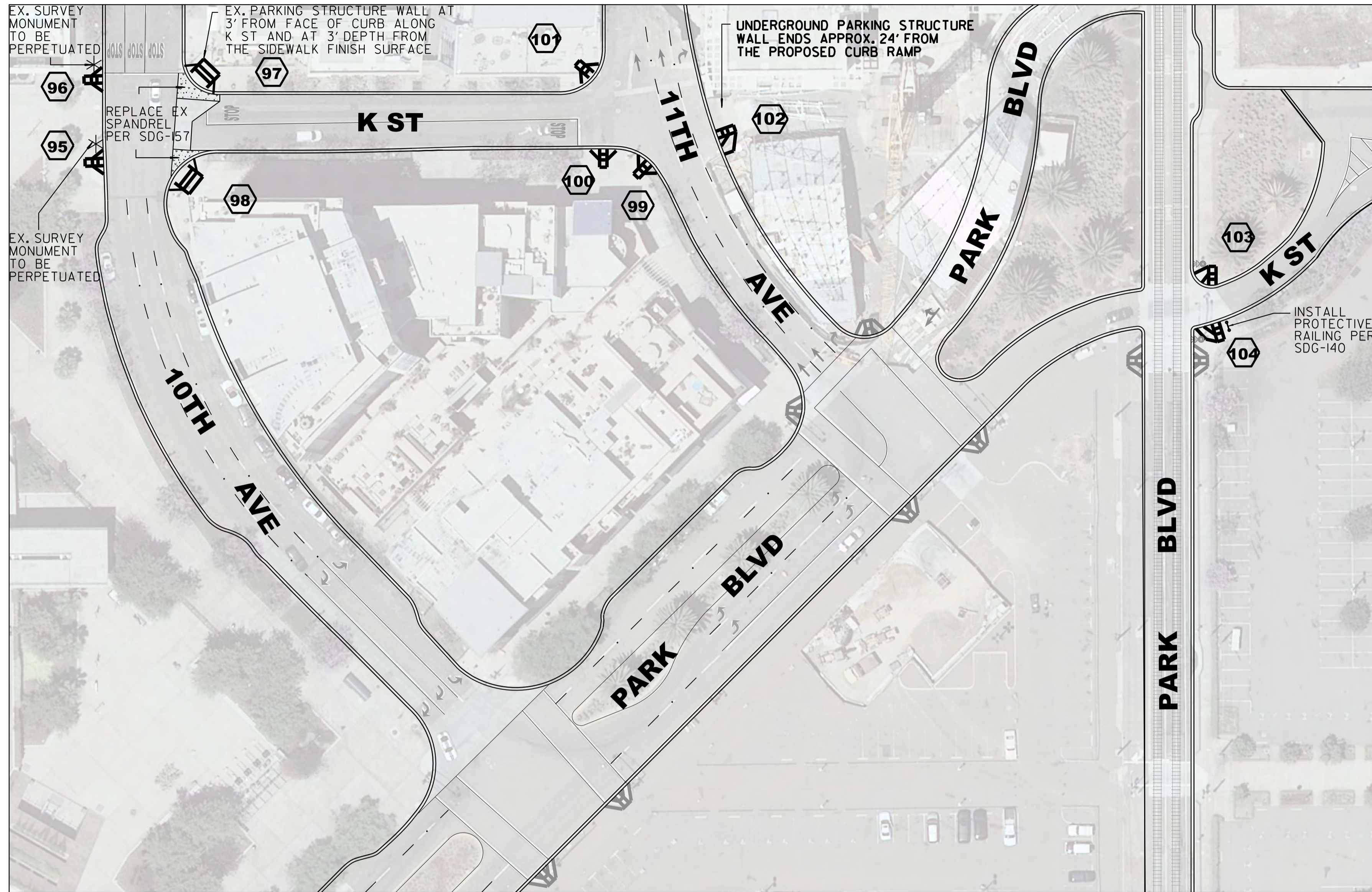


- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- Ⓞ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-10

LEGEND			CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION	
Ⓞ CURB RAMP NO'S	⊙ EX TREE	⊗ EX STREET LIGHT	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 13 OF 75 SHEETS WBS# B-17114 APPROVED: _____ DATE _____ FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME C70971 RCE# _____ SUBMITTED BY: _____ AVEEN SALEH PROJECT MANAGER JWAN MUFTI PROJECT ENGINEER DESCRIPTION BY APPROVED DATE FILMED ORIGINAL JM 194-1719 198-1719 1834444-6280407 1838444-6280407 CCS27 COORDINATE CCS83 COORDINATE CONTRACTOR _____ DATE STARTED _____ INSPECTOR _____ DATE COMPLETED _____ 40677-13-D	
⊙ CURB RAMP BARRICADE	⊙ EX STREET SIGN	⊙ EX UTILITY POLE		
⊙ EX FIRE HYDRANT	⊙ EX CURB RAMP	⊙ EX TRAFFIC SIGNAL POLE		
PROPOSED CURB RAMP PER STANDARD DRAWINGS:				
DETECTABLE WARNING TILES	SDG-130			
GENERAL CURB RAMP NOTES	SDG-131			
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PROTECTIVE RAILING AT CURB RAMP	SDG-140			
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EX HISTORICAL STAMP OR IMPRESSION	SDG-115			
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CURB RAMP LOCATION

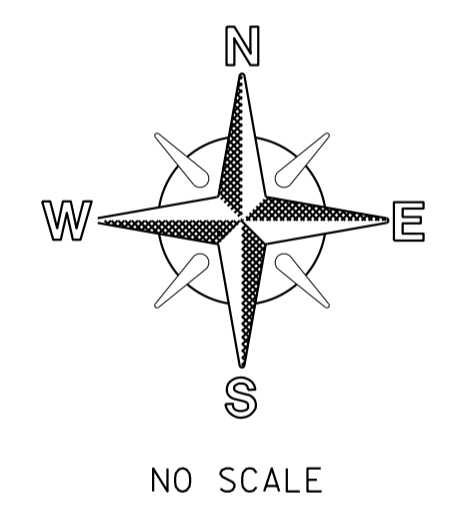


DETAIL A

CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
95	B		22'	X					X		PROTECT IN PLACE EX ELECTRICAL PULLBOX.
96	B		22'	X			X	X	X		PROTECT IN PLACE TRAFFIC SIGN POST, PLANTERS, RECEPTACLE AND (2) ELECTRICAL PULLBOX.
97	A		14'	X		X	X		X		INSTALL CURB RAMP WITH 10'-0" WIDE RAMP OPENING. SEE DETAIL ON SHEET C-46. PROTECT IN PLACE EX HISTORICAL STAMP PER SDG-115.
98	A		22'	X		X	X		X		INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. PROTECT IN PLACE STREETLIGHT POLE, CATV PULLBOX AND MANHOLE COVER. PROTECT IN PLACE EX HISTORICAL STAMP PER SDG-115.
99	A		22'		X				X		PROTECT IN PLACE STREETLIGHT POLE.
100	B		22'	X				X	X		PROTECT IN PLACE STREETLIGHT POLE, ELECTRICAL PULLBOX AND TRAFFIC SIGN POST.
101	A		14'	X					X		PROTECT IN PLACE STREETLIGHT POLE, BUILDING WALL AND ELECTRICAL PULLBOX. ENSURE MIN 4' LEVEL LANDING.
102	B		22'		X			X	X		INSTALL 6" WIDE RETAINING CURB ON NORTH SIDE. PROTECT EX WM AND IRRIGATION. EX BUS STOP BENCH AND SIGN POST TO BE RELOCATED BY MTS. INSTALL 5'X5' CONCRETE PANEL PER SDG-155 BEFORE EX STREETLIGHT. COORDINATE WITH PETER CASELLI DURING CONSTRUCTION, SEE DETAIL "A" BELOW.
103	B	OPEN		X					X		INSTALL CURB RAMP WITH SINGLE FLARE ON WEST SIDE. PROTECT IN PLACE TRAFFIC SIGNAL POLE, IRON FENCE AND ELECTRICAL PULLBOX.
104	B		14'	X					X		INSTALL CURB RAMP WITH SINGLE FLARE ON WEST SIDE. INSTALL PROTECTIVE RAILING PER SDG-140. PROTECT IN PLACE TRAFFIC SIGNAL POLE, FIRE HYDRANT, SDWD PULLBOX AND ELECTRICAL PULLBOX.

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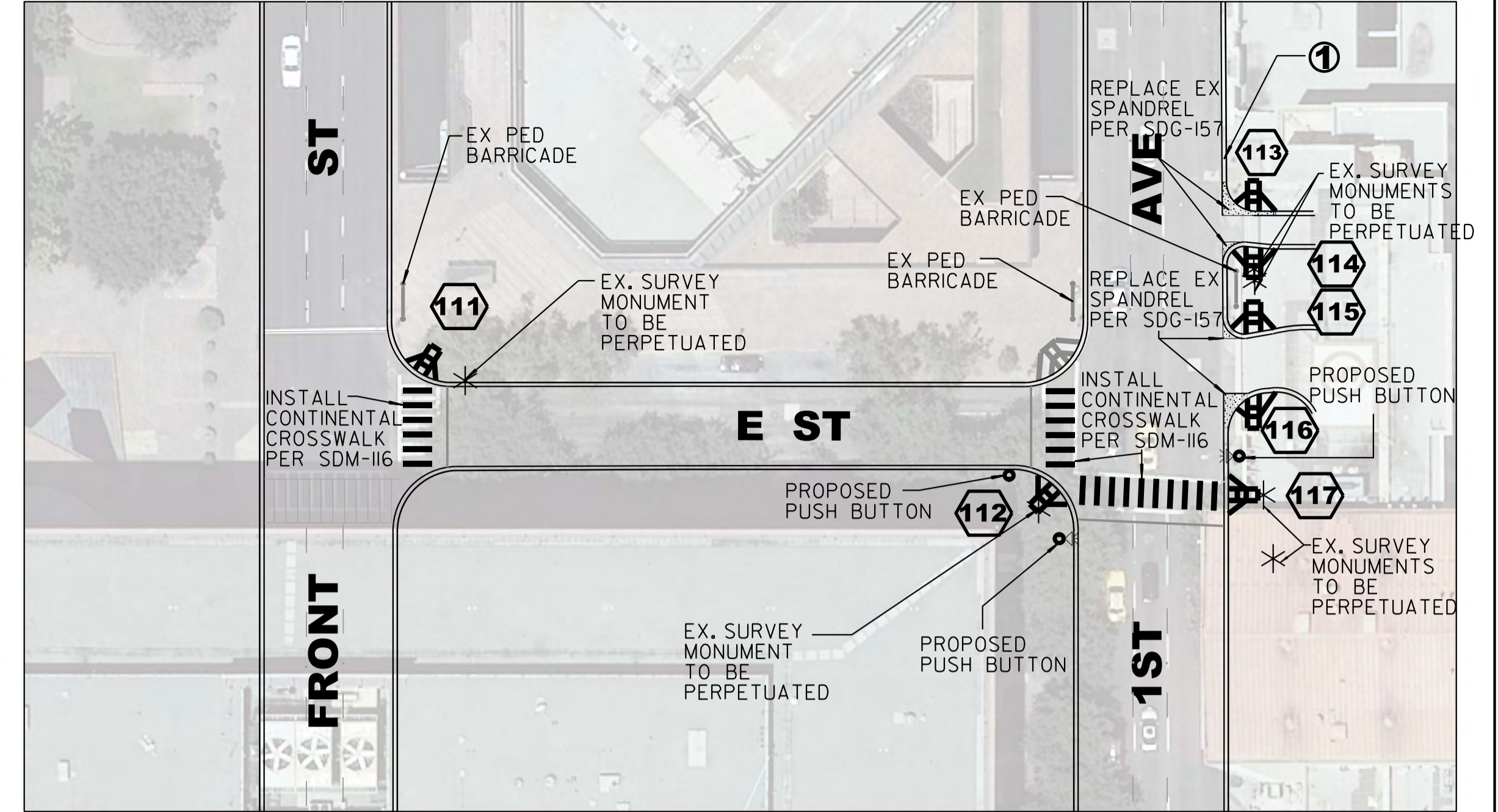
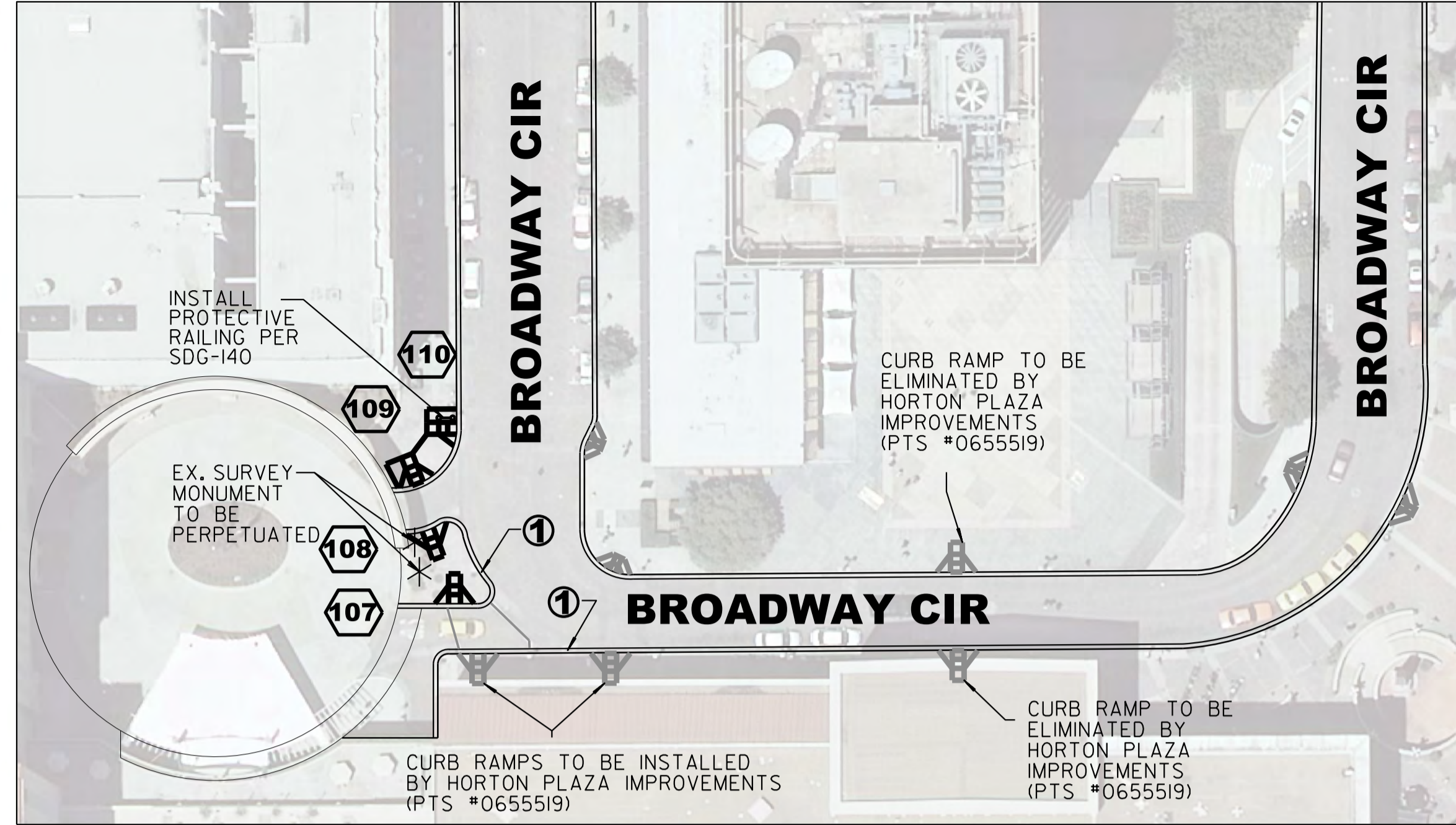
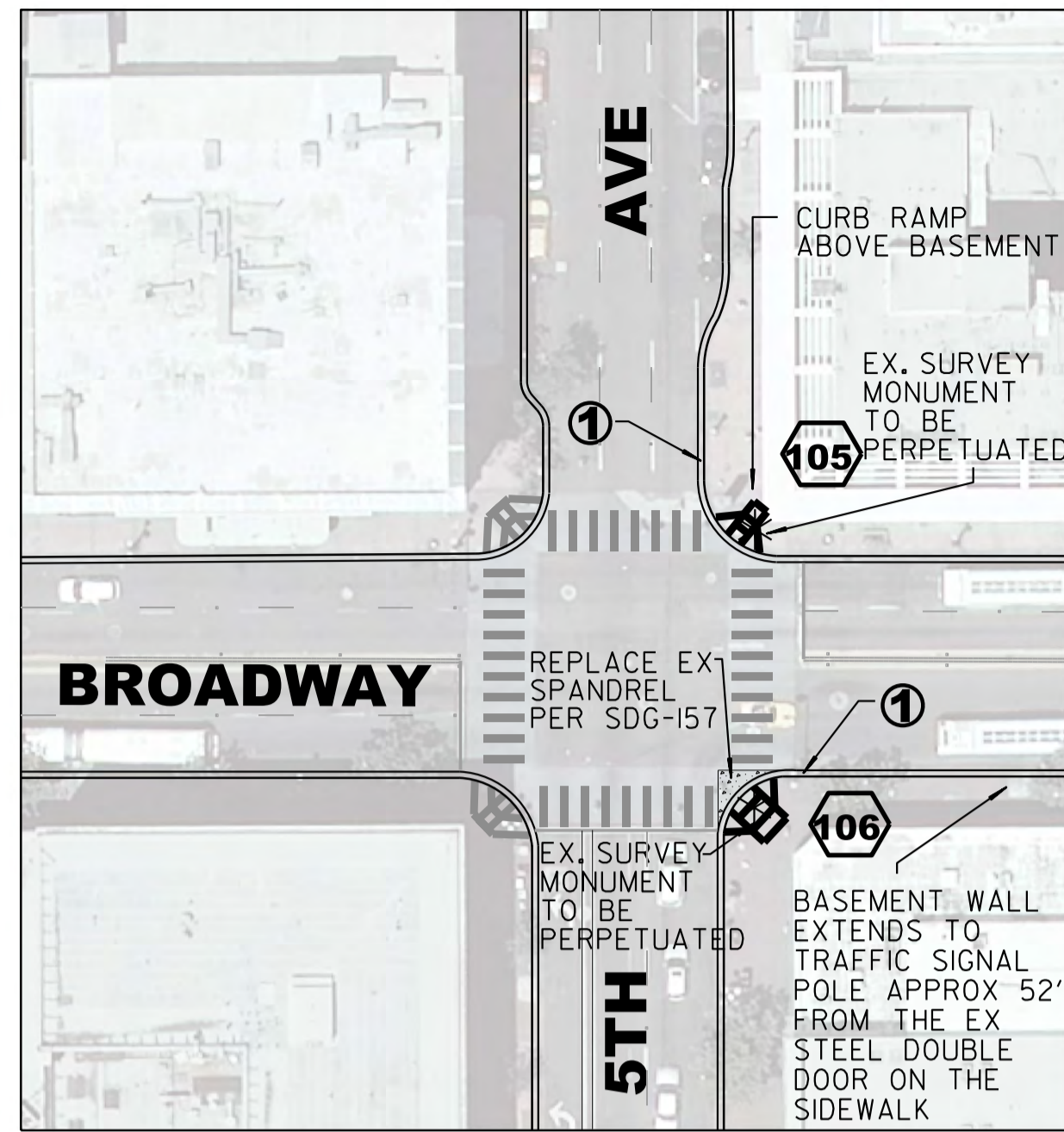


- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- Ⓞ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-11

LEGEND		CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION	
<ul style="list-style-type: none"> Ⓞ CURB RAMP NO'S Ⓞ CURB RAMP BARRICADE Ⓞ EX FIRE HYDRANT 	<ul style="list-style-type: none"> Ⓞ EX TREE Ⓞ EX STREET SIGN Ⓞ EX CURB RAMP 	<ul style="list-style-type: none"> Ⓞ EX STREET LIGHT Ⓞ EX UTILITY POLE Ⓞ EX TRAFFIC SIGNAL POLE 	<p>CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 14 OF 75 SHEETS</p> <p>WBS* B-17114</p> <p>APPROVED: _____ DATE _____ FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME C70971 RCE# _____ SUBMITTED BY: _____ DATE _____ AVEEN SALEH PROJECT MANAGER JWAN MUFTI PROJECT ENGINEER</p> <p>DESCRIPTION BY APPROVED DATE FILMED</p> <p>ORIGINAL JM _____ _____ _____ _____</p> <p>194-1719 198-1719 CCS27 COORDINATE 1834444-6280407 1836444-6280407 CCS83 COORDINATE</p> <p>CONTRACTOR _____ DATE STARTED _____ INSPECTOR _____ DATE COMPLETED _____</p> <p>40677-14-D</p>
<p>PROPOSED CURB RAMP PER STANDARD DRAWINGS:</p> <ul style="list-style-type: none"> DETECTABLE WARNING TILES SDG-130 GENERAL CURB RAMP NOTES SDG-131 CURB RAMP TYPE A SDG-132 CURB RAMP TYPE B SDG-133 DUAL CURB RAMP SDG-134 CURB RAMP - TYPE C1 & C2 SDG-135 CURB RAMP - ADDITIONAL DETAILS SDG-136 CURB RAMP - TYPE D SDG-137 GENERAL CURB RAMP SDG-138 PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS SDG-139 PROTECTIVE RAILING AT CURB RAMP SDG-140 PEDESTRIAN BARRICADE-TYPE A SDG-141 EX HISTORICAL STAMP OR IMPRESSION SDG-115 CROSS GUTTER SDG-157 			

CURB RAMP LOCATION

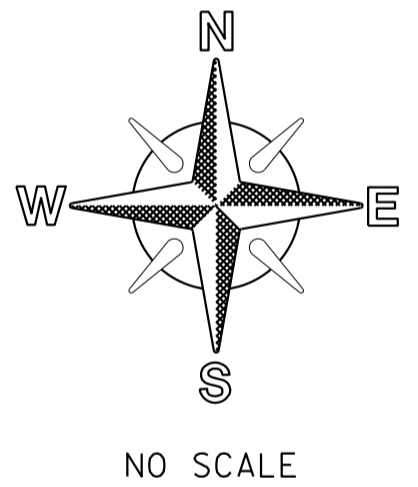


CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
105	A		13'	X					X		
106	A		14'	X			X		X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" SHEET C-2. PROTECT IN PLACE TRAFFIC SIGNAL POLE, SIGN AND POST AND STORM DRAIN INLET. MAINTAIN LEVEL LANDING IN FRONT OF RESTAURANT ENTRANCE.
107	B		14'	X					X		SEE DETAIL ON SHEET C-47.
108	B		14'	X			X	X	X		SEE DETAIL ON SHEET C-48.
109	A		14'	X					X		SEE DETAIL ON SHEET C-49.
110	A		14'	X					X		SEE DETAIL ON SHEET C-49.
111	A		14'	X			X		X		PROTECT IN PLACE STREETLIGHT POLE, PEDESTRIAN SIGNAL, PEDESTRIAN BARRICADE AND TRAFFIC SIGNAL PULLBOX. INSTALL CONTINENTAL CROSSWALK PER SDM-116.
112	A		14'	X			X	X	X		INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. INSTALL CONTINENTAL CROSSWALK PER SDM-116. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. SEE DETAIL ON SHEET C-50.
113	B		14'	X				X	X		SEE DETAIL ON SHEET C-51.
114	B		14'	X			X	X	X		SEE DETAIL ON SHEET C-51.
115	B		14'	X			X		X		SEE DETAIL ON SHEET C-51.
116	B		12'	X					X		SEE DETAIL ON SHEET C-52.
117	B		14'	X			X	X	X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. INSTALL CONTINENTAL CROSSWALK PER SDM-116. SEE DETAIL ON SHEET C-52.

RESIDENT ENGINEER (RE)/CONTRACTOR NOTE:

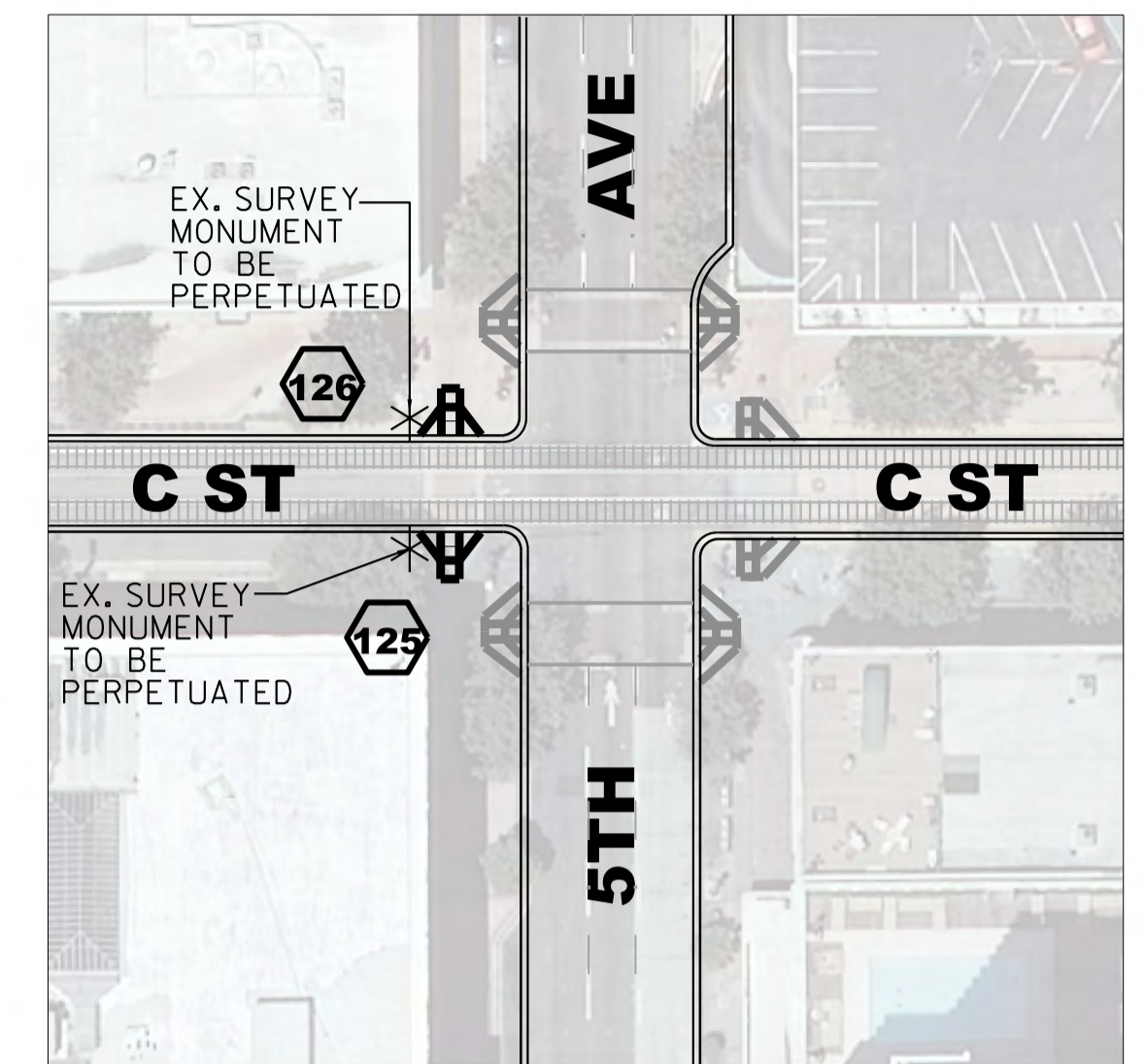
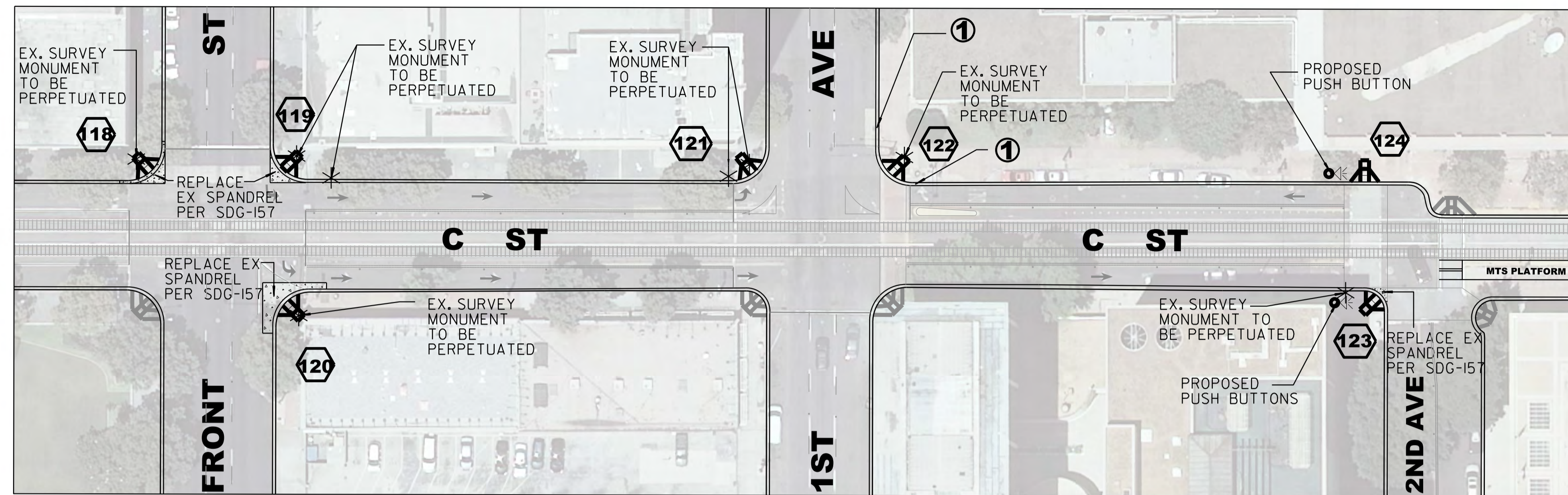
- FOR ALL CURB RAMP LOCATIONS, RE SHALL FIRST VERIFY BASEMENT LIMITS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE RE PRIOR TO ANY DEMOLITION.
- CONTRACTOR SHALL REPLACE LIFTED, DAMAGE, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETSCAPE MANUAL (CCSM) FOR "GASLAMP QUARTER PAVING" SIDEWALK PATTERN ON CURB RAMPS #105 TO #106 AND "HORTON PLAZA PAVING" SIDEWALK PATTERN ON CURB RAMPS #107 TO #117. REFER TO NOTE 8 ON SHEET G-1.



- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-12

LEGEND		CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION	
NO	CURB RAMP NO's	EX TREE	EX STREET LIGHT
○	CURB RAMP BARRICADE	EX STREET SIGN	EX UTILITY POLE
□	EX FIRE HYDRANT	EX CURB RAMP	EX TRAFFIC SIGNAL POLE
PROPOSED CURB RAMPS PER STANDARD DRAWINGS: DETECTABLE WARNING TILES SDG-130 GENERAL CURB RAMP NOTES SDG-131 CURB RAMP TYPE A SDG-132 CURB RAMP TYPE B SDG-133 DUAL CURB RAMPS SDG-134 CURB RAMP - TYPE C1 & C2 SDG-135 CURB RAMP - ADDITIONAL DETAILS SDG-136 CURB RAMP - TYPE D SDG-137 GENERAL CURB RAMPS SDG-138 PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS SDG-139 PROTECTIVE RAILING AT CURB RAMPS SDG-140 PEDESTRIAN BARRICADE-TYPE A SDG-141 EX HISTORICAL STAMP OR IMPRESSION SDG-115 CROSS GUTTER SDG-157			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 15 OF 75 SHEETS		WBS# B-17114	
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYUE ZHANG C70971 PRINT DCE NAME _____ RCE# _____		SUBMITTED BY: AVEEN SALEH PROJECT MANAGER	
DESCRIPTION BY APPROVED DATE FILMED ORIGINAL JM		JWAN MUFTI PROJECT ENGINEER 198-1719 198-1713 CCS27 COORDINATE 1838444-6280407 1838444-6274407 CCS38 COORDINATE	
CONTRACTOR _____ DATE STARTED _____ INSPECTOR _____ DATE COMPLETED _____		40677-15-D	



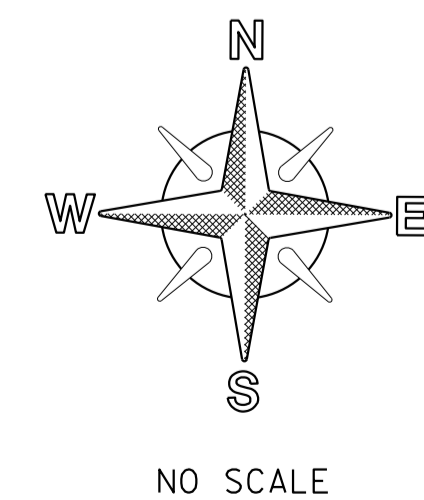
CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
118	A		14'	X		X	X	X	X		PROTECT IN PLACE TRAFFIC SIGNAL POLE, TROLLEY CATENAR POLE AND TRAFFIC SIGN POST. PROTECT EX HISTORICAL STAMP PER SDG-115. ADJUST EX ELECTRICAL PULLBOX TO GRADE.
119	A		14'	X			X		X		PROTECT IN PLACE TRAFFIC SIGNAL POLE, STREETLIGHT POLE, TROLLEY CATENAR POLE, FIRE HYDRANT AND (2) UTILITY PULLBOX. ADJUST EX ELECTRICAL PULLBOX TO GRADE.
120	A		14'	X			X		X		PROTECT IN PLACE TRAFFIC SIGNAL POLE, STREETLIGHT POLE, TROLLEY CATENAR POLE. ADJUST (2) ELECTRICAL PULLBOX TO GRADE.
121	A		14'	X			X		X		SEE DETAIL ON SHEET C-53.
122	A		14'	X			X		X		PROTECT IN PLACE (2) TRAFFIC SIGNAL POLE, TROLLEY CATENAR POLE, (2) STORM DRAIN INLET AND CLEANOUT, FIRE HYDRANT AND RECEPTACLE. ADJUST (2) EX ELECTRICAL PULLBOX TO GRADE.
123	A		14'	X			X		X		REPLACE AND INSTALL (2) NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595. SEE DETAIL ON SHEET C-54.
124	B		21'	X		X			X		PROTECT IN PLACE TRAFFIC SIGNAL POLE, (3) ELECTRICAL PULLBOX AND RECEPTACLE, REPLACE AND INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595. PROTECT EX HISTORICAL STAMP PER SDG-115
125	B		21'	X			X		X		PROTECT EX TRAFFIC SIGNAL POLE, SERVICE PEDESTAL, CONTROL CABINET AND (2) ELECTRICAL PULLBOXES. RELOCATE RECEPTACLE IF NECESSARY.
126	B		21'	X			X		X		PROTECT EX TRAFFIC SIGNAL POLE, TROLLEY CATENAR POLE AND PLANTER.

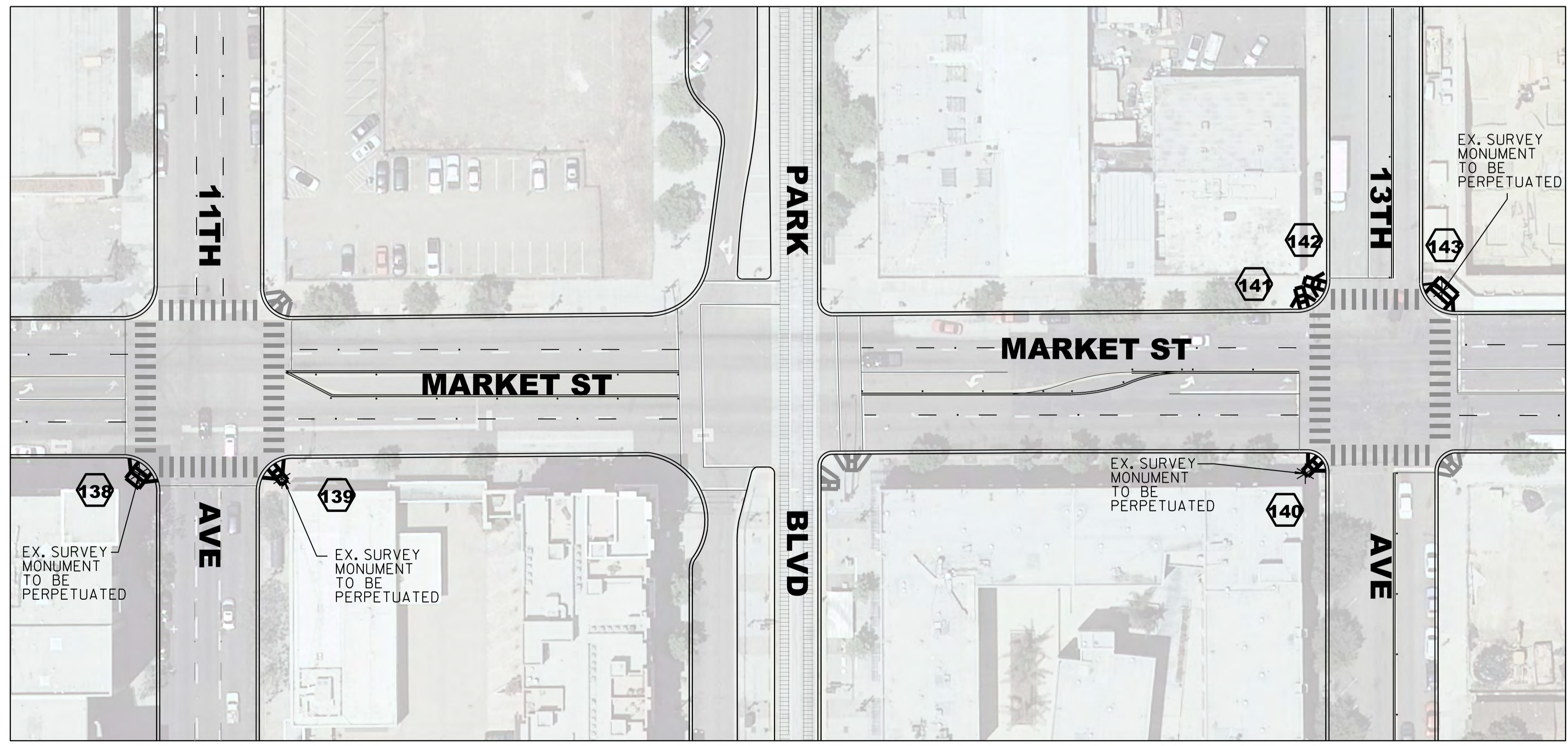
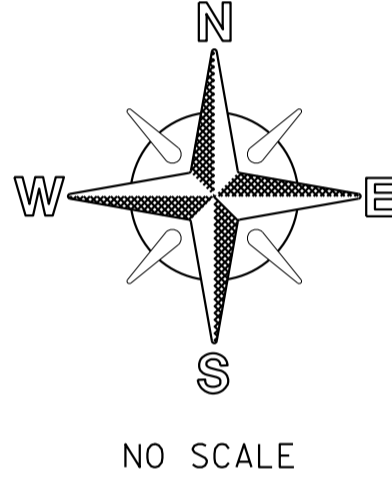
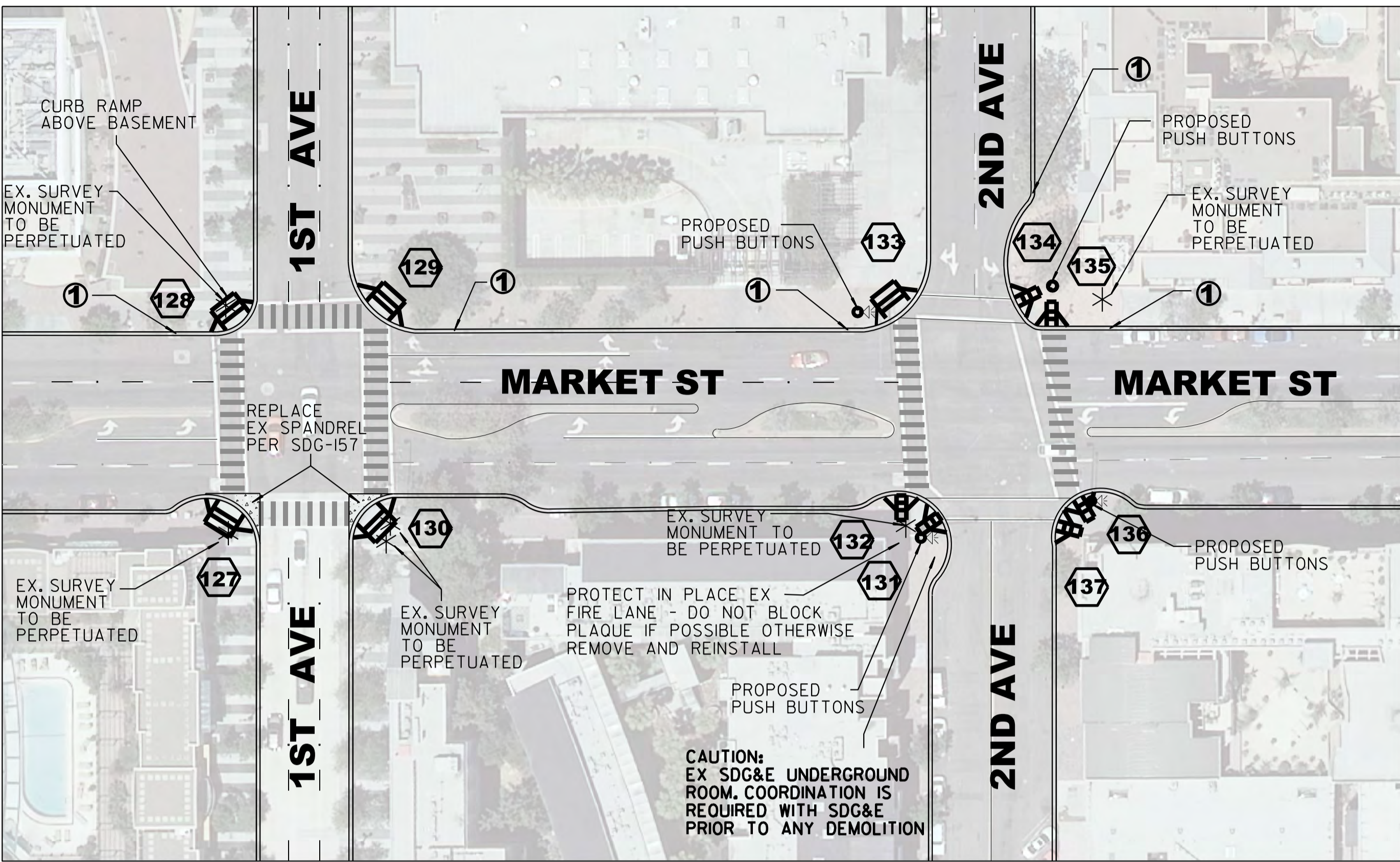
RESIDENT ENGINEER (RE)/CONTRACTOR NOTE:
 1. FOR ALL CURB RAMP LOCATIONS, RE SHALL FIRST VERIFY BASEMENT LIMITS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE RE PRIOR TO ANY DEMOLITION.
 2. CONTRACTOR SHALL REPLACE LIFTED, DAMAGE, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETScape MANUAL (CCSM) FOR "TERRA COTTA TILE PAVING" SIDEWALK PATTERN. REFER TO NOTE 8 ON SHEET G-1.

- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-13



LEGEND		CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION	
Ⓝ CURB RAMP NO's	⊙ EX TREE	⊙ EX STREET LIGHT	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 16 OF 75 SHEETS
⊙ CURB RAMP BARRICADE	⊙ EX STREET SIGN	⊙ EX UTILITY POLE	
⊙ EX FIRE HYDRANT	⊙ EX CURB RAMP	⊙ EX TRAFFIC SIGNAL POLE	WBS# B-17114
PROPOSED CURB RAMPS PER STANDARD DRAWINGS:		APPROVED: _____ DATE _____	
DETECTABLE WARNING TILES	SDG-130	FOR CITY ENGINEER _____ DATE _____	
GENERAL CURB RAMP NOTES	SDG-131	DAYUE ZHANG C70971	
CURB RAMP TYPE A	SDG-132	PRINT DCE NAME _____ RCE# _____	
CURB RAMP TYPE B	SDG-133	DESCRIPTION BY APPROVED DATE FILMED	
DUAL CURB RAMPS	SDG-134	ORIGINAL JM	
CURB RAMP - TYPE C1 & C2	SDG-135	198-1713	
CURB RAMP - ADDITIONAL DETAILS	SDG-136	198-1719	
CURB RAMP - TYPE D	SDG-137	CCS27 COORDINATE	
GENERAL CURB RAMPS	SDG-138	1838444-6274407	
PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS	SDG-139	1838444-6280407	
PROTECTIVE RAILING AT CURB RAMPS	SDG-140	CCS83 COORDINATE	
PEDESTRIAN BARRICADE-TYPE A	SDG-141	CONTRACTOR _____ DATE STARTED _____	
EX HISTORICAL STAMP OR IMPRESSION	SDG-115	INSPECTOR _____ DATE COMPLETED _____	
CROSS GUTTER	SDG-157	40677-16-D	



CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
127	A		16'	X			X		X		MATCH EX SIDEWALK PATTERN. INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. SEE DETAIL ON SHEET C-55.
128	A		16'	X			X		X		INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING
129	A		14'	X					X		MATCH EX SIDEWALK PATTERN. INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. SEE DETAIL ON SHEET C-56.
130	A		>16'	X			X		X		MATCH EX SIDEWALK PATTERN. INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. SEE DETAIL ON SHEET C-57.
131	A		16'	X		X	X		X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. MATCH EX SIDEWALK BRICKS. SEE DETAIL ON SHEET C-58.
132	B		16'		X	X	X		X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. MATCH EX SIDEWALK BRICKS. SEE DETAIL ON SHEET C-58.
133	A		16'	X			X	X	X		INSTALL CURB RAMP WITH 10'-0" WIDE RAMP OPENING. INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. MATCH EX SIDEWALK BRICKS. SEE DETAIL ON SHEET C-59.
134	A		16'	X				X	X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON AND PUSH BUTTON ASSEMBLY POST DETAIL 'B' PER CALTRANS 2018 STANDARD PLAN ES-7A. MATCH EX SIDEWALK BRICKS. SEE DETAIL ON SHEET C-60.
135	B		16'		X	X			X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. MATCH EX SIDEWALK BRICKS. SEE DETAIL ON SHEET C-60.
136	A		16'	X					X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. MATCH EX SIDEWALK BRICKS. SEE DETAIL ON SHEET C-61.
137	A		16'		X				X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. MATCH EX SIDEWALK BRICKS. SEE DETAIL ON SHEET C-61.
138	A		>10'	X			X		X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" ON SHEET C-2. PROTECT EX STREETLIGHT POLE AND (2) UTILITY CABINET. ADJUST (2) EX PULLBOX TO GRADE. MATCH EX SIDEWALK BRICKS.
139	A		14'	X			X		X		INSTALL CURB RAMP WITH 6'-0" WIDE RAMP OPENING. PROTECT IN PLACE TRAFFIC SIGNAL POLE. ADJUST EX ELECTRICAL PULLBOX TO GRADE. MATCH EX SIDEWALK BRICKS. PROTECT EX GAS VALVE.
140	A		14'	X			X		X		PROTECT IN PLACE TRAFFIC SIGNAL POLE, UTILITY (2) CABINET AND ELECTRICAL PULLBOX. MATCH EX SIDEWALK BRICKS.
141	A		16'	X					X		MATCH EX SIDEWALK BRICKS. SEE DETAIL ON SHEET C-62.
142	A		21'		X				X		MATCH EX SIDEWALK BRICKS. SEE DETAIL ON SHEET C-62.
143	A		14'	X			X		X		INSTALL CURB RAMP WITH 12'-0" WIDE RAMP OPENING. MATCH EX SIDEWALK BRICKS. SEE DETAIL ON SHEET C-63.

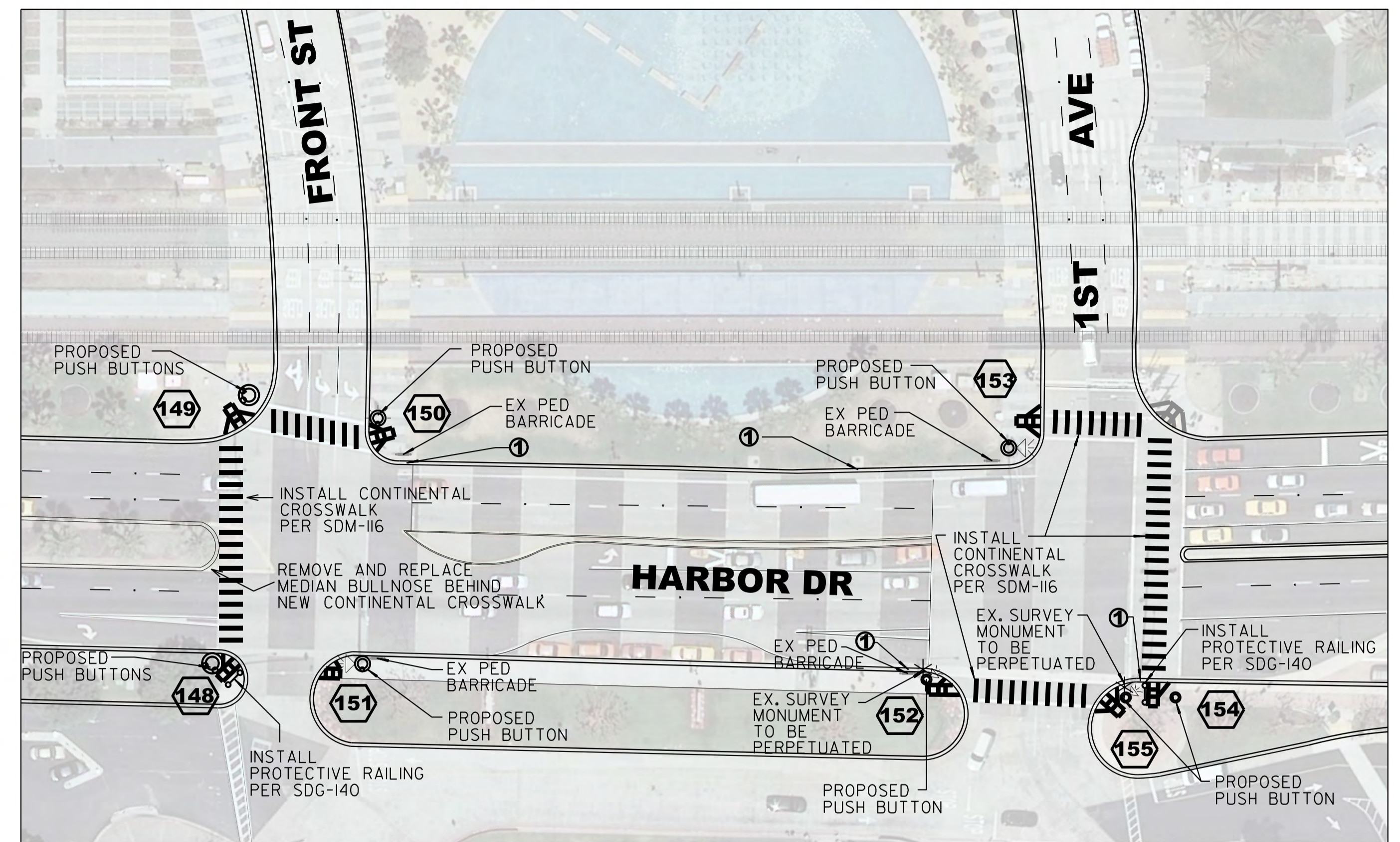
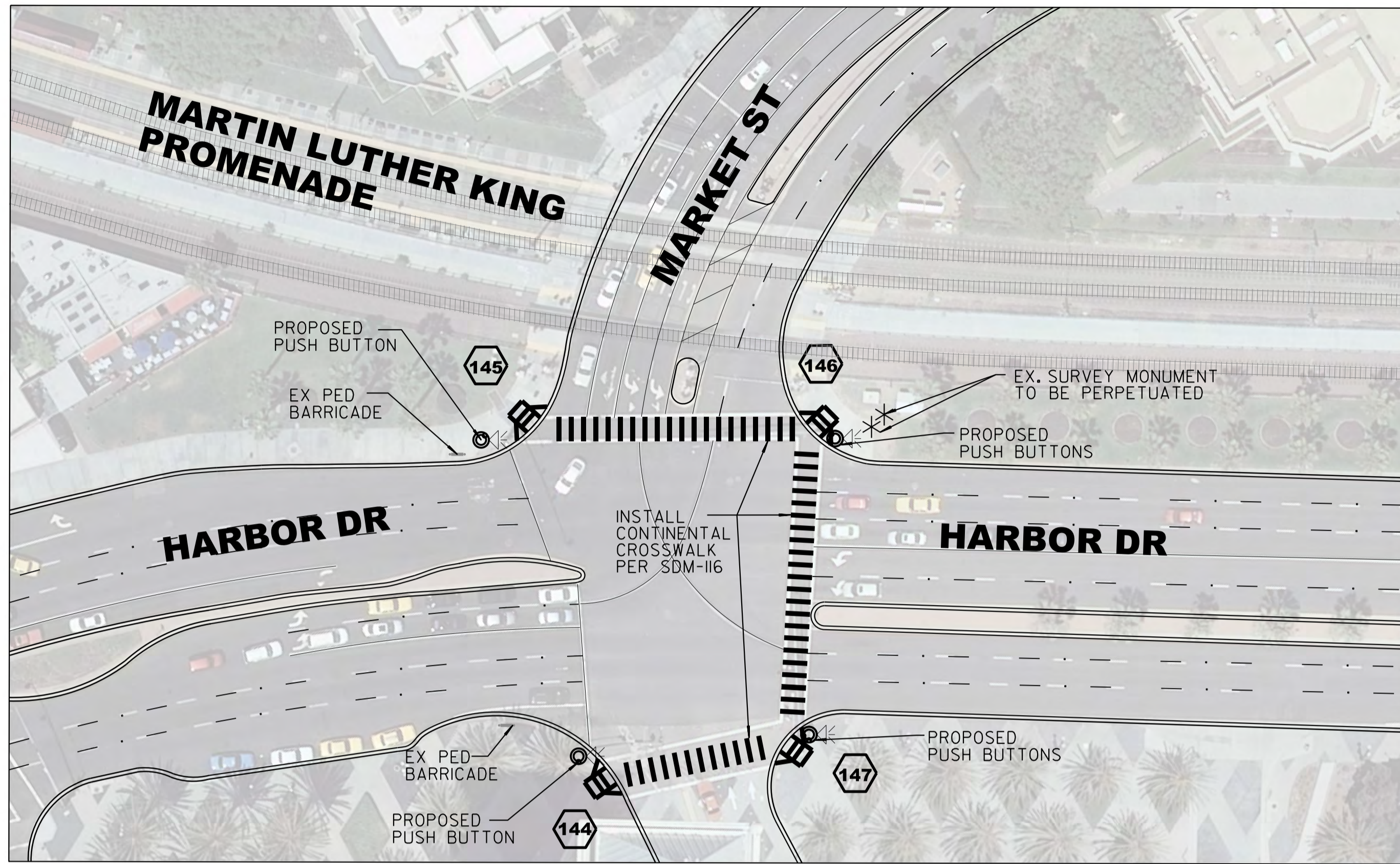
RESIDENT ENGINEER (RE)/CONTRACTOR NOTE:
 1. FOR ALL CURB RAMP LOCATIONS, RE SHALL FIRST VERIFY BASEMENT LIMITS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE RE PRIOR TO ANY DEMOLITION.
 2. CONTRACTOR SHALL REPLACE LIFTED, DAMAGE, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETScape MANUAL (CCSM) FOR "CHILDREN'S PARK PAVING" SIDEWALK PATTERN FOR CURB RAMPS #127 TO #130, "MARINA PAVING" SIDEWALK PATTERN FOR CURB RAMPS #131 TO #137 AND "CCDC STANDARD PAVING" SIDEWALK PATTERN FOR CURB RAMPS #138 TO #143. REFER TO NOTE 8 ON SHEET G-1.

- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-14

LEGEND		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 17 OF 75 SHEETS	
NO	CURB RAMP NO'S	EX TREE	EX STREET LIGHT
○	CURB RAMP BARRICADE	EX STREET SIGN	EX UTILITY POLE
□	EX FIRE HYDRANT	EX CURB RAMP	EX TRAFFIC SIGNAL POLE
PROPOSED CURB RAMPS PER STANDARD DRAWINGS: DETECTABLE WARNING TILES SDG-130 GENERAL CURB RAMP NOTES SDG-131 CURB RAMP TYPE A SDG-132 CURB RAMP TYPE B SDG-133 DUAL CURB RAMPS SDG-134 CURB RAMP - TYPE C1 & C2 SDG-135 CURB RAMP - ADDITIONAL DETAILS SDG-136 CURB RAMP - TYPE D SDG-137 GENERAL CURB RAMPS SDG-138 PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS SDG-139 PROTECTIVE RAILING AT CURB RAMPS SDG-140 PEDESTRIAN BARRICADE-TYPE A SDG-141 EX HISTORICAL STAMP OR IMPRESSION SDG-115 CROSS GUTTER SDG-157		CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION WBS# B-17114 APPROVED: _____ DATE _____ FOR CITY ENGINEER DAYUE ZHANG C70971 PRINT DCE NAME RCE# _____ SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JWAN MUFTI PROJECT ENGINEER 198-1719 CCS27 COORDINATE 1838444-6280407 CCS83 COORDINATE CONTRACTOR _____ DATE STARTED _____ INSPECTOR _____ DATE COMPLETED _____	

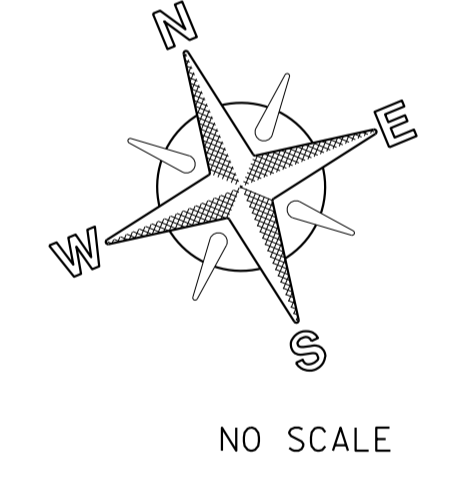
CURB RAMP LOCATION



CURB RAMP NOTES TABLE

LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
144	B		14'	X			X		X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" ON SHEET C-2. PROTECT IN PLACE EX TRAFFIC SIGNAL POLE, BOLLARDS, PEDESTRIAN BARRICADE, AND FIRE HYDRANT. ADJUST EX ELECTRICAL TRAFFIC SIGNAL PULLBOX TO GRADE. INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595. MATCH EX SIDEWALK PATTERN.
145	A		14'	X			X		X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" ON SHEET C-2. PROTECT IN PLACE EX UTILITY BOX, TRAFFIC SIGNAL POLE, PEDESTRIAN BARRICADE AND LARGE UTILITY PULLBOX. ADJUST EX ELECTRICAL PULLBOX TO GRADE. INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595.
146	A		14'	X			X		X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" ON SHEET C-2. PROTECT IN PLACE TRAFFIC SIGNAL POLE AND ELECTRICAL PULLBOX. INSTALL (2) NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595. ADJUST EX ELECTRICAL PULLBOX TO GRADE.
147	A		14'	X			X		X		INSTALL CURB RAMP WITH 8'-0" WIDE RAMP OPENING SEE DETAIL "I" ON SHEET C-2. INSTALL (2) NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595. ADJUST EX SIDEWALK PATTERN. SEE DETAIL ON SHEET C-64.
148	A		12'	X				X	X		INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CALTRANS 2018 STANDARD PLAN ES-7A. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. SEE DETAIL ON SHEET C-65.
149	A		20'	X				X	X		INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CALTRANS 2018 STANDARD PLAN ES-7A. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. SEE DETAIL ON SHEET C-66.
150	B		20'	X		X			X		INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. SEE DETAIL ON SHEET C-67.
151	B		10'	X					X		INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. SEE DETAIL ON SHEET C-68.
152	B		20'	X		X	X		X		INSTALL CURB RAMP WITH 6'-0" WIDE RAMP OPENING. PROTECT IN PLACE EX TRAFFIC SIGNAL POLE, ELECTRICAL TRAFFIC SIGNAL PULLBOX AND UTILITY CABINET. INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. SEE DETAIL ON SHEET C-69.
153	B		10'	X					X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CALTRANS 2018 STANDARD PLAN ES-7A. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED.
154	B		8'	X					X		INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. SEE DETAIL ON SHEET C-70.
155	B		10'	X					X		INSTALL CURB RAMP WITH 6'-0" WIDE RAMP OPENING. INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595. PROTECT IN PLACE TRAFFIC SIGNAL LOOP AND REPLACE IN KIND IF DAMAGED. SEE DETAIL ON SHEET C-70.

RESIDENT ENGINEER (RE)/CONTRACTOR NOTE:
 1. FOR ALL CURB RAMP LOCATIONS, RE SHALL FIRST VERIFY BASEMENT LIMITS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE RE PRIOR TO ANY DEMOLITION.
 2. CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETScape MANUAL (CCSM) FOR "MARINA PAVING" SIDEWALK PATTERN FOR CURB RAMPs #144 TO #147, "CHILDREN'S PARK PAVING" SIDEWALK PATTERN FOR CURB RAMPs #148 TO #155. REFER TO NOTE 8 ON SHEET G-1.
 3. FOR ALL CURB RAMPs ON THIS SHEET, CONTRACTOR SHALL COORDINATE WITH BNSF PRIOR TO ANY DEMOLITION.



- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-15

LEGEND		CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION	
○ NO CURB RAMP NO'S	⊙ EX TREE	⊙ EX STREET LIGHT	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 18 OF 75 SHEETS
⊙ CURB RAMP BARRICADE	⊙ EX STREET SIGN	⊙ EX UTILITY POLE	
⊙ EX FIRE HYDRANT	⊙ EX CURB RAMP	⊙ EX TRAFFIC SIGNAL POLE	WBS# B-17114
PROPOSED CURB RAMPs PER STANDARD DRAWINGS:		APPROVED: _____ DATE _____	
DETECTABLE WARNING TILES	SDG-I30	FOR CITY ENGINEER _____ DATE _____	
GENERAL CURB RAMP NOTES	SDG-I31	DAYUE ZHANG C70971	
CURB RAMP TYPE A	SDG-I32	PRINT DCE NAME _____ RCE# _____	
CURB RAMP TYPE B	SDG-I33	SUBMITTED BY: _____	
DUAL CURB RAMPs	SDG-I34	AVEEN SALEH	
CURB RAMP - TYPE C1 & C2	SDG-I35	PROJECT MANAGER	
CURB RAMP - ADDITIONAL DETAILS	SDG-I36	JWAN MUFTI	
CURB RAMP - TYPE D	SDG-I37	PROJECT ENGINEER	
GENERAL CURB RAMPs	SDG-I38	DESCRIPTION BY APPROVED DATE FILMED	
PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS	SDG-I39	ORIGINAL JM	
PROTECTIVE RAILING AT CURB RAMPs	SDG-I40	198-1713	
PEDESTRIAN BARRICADE-TYPE A	SDG-I41	198-1719	
EX HISTORICAL STAMP OR IMPRESSION	SDG-I15	CCS27 COORDINATE	
CROSS GUTTER	SDG-I57	1838444-6274407	
		1838444-6280407	
		CCS83 COORDINATE	
CONTRACTOR _____ DATE STARTED _____		CONTRACTOR _____ DATE COMPLETED _____	
INSPECTOR _____		40677-18-D	

CURB RAMP LOCATION



RESIDENT ENGINEER (RE)/CONTRACTOR NOTE:

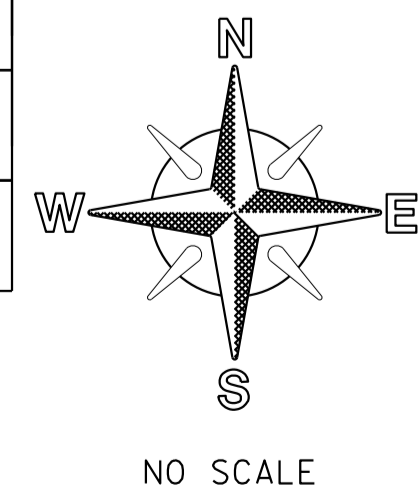
- FOR ALL CURB RAMP LOCATIONS, RE SHALL FIRST VERIFY BASEMENT LIMITS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE RE PRIOR TO ANY DEMOLITION.
- CONTRACTOR SHALL REPLACE LIFTED, DAMAGE, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETScape MANUAL (CCSM) FOR "BALLPARK DISTRICT PAVING" SIDEWALK PATTERN FOR CURB RAMPS #156 TO #157, "CCDC STANDARD PAVING" SIDEWALK PATTERN FOR CURB RAMPS #158 TO #161. REFER TO NOTE 8 ON SHEET G-1.

CURB RAMP NOTES TABLE

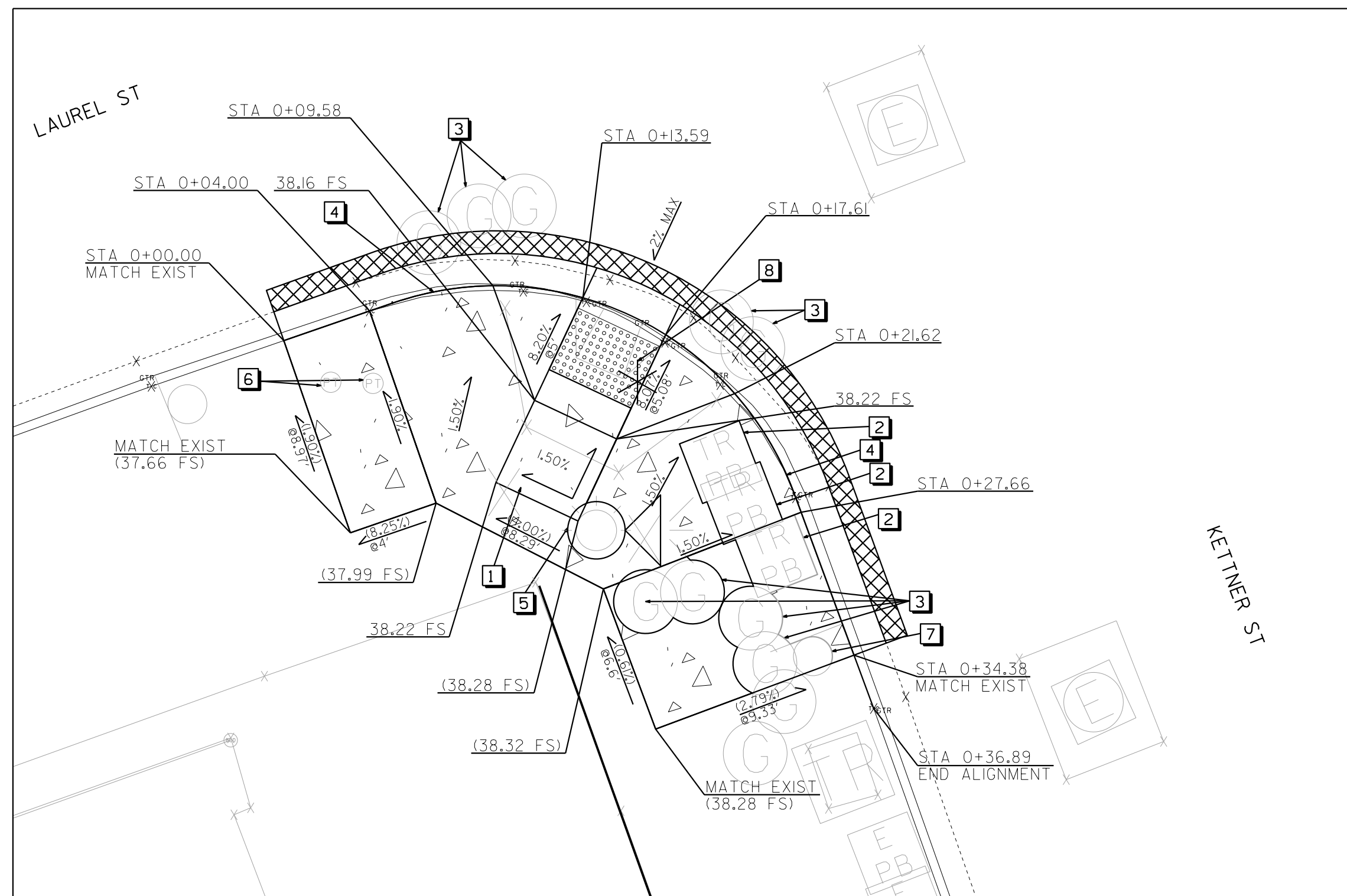
LOCATION NO.	CURB RAMP		APPROX. R/W	REPLACEMENT	NEW	HISTORIC STAMPS	SURVEY MARKER	MISC SIGN	DETECTABLE WARNING TILES		COMMENTS / MODIFICATIONS
	TYPE	CASE							STAINLESS STEEL	OTHER	
156	A		14'	X			X	X	X		INSTALL NEW ADA STANDARD PEDESTRIAN PUSH BUTTON (2). SEE DETAIL ON SHEET C-71.
157	A		10'	X		X	X	X	X		PROTECT IN PLACE TRAFFIC SIGNAL POLE, TROLLEY CANTENARY POLE AND STORM DRAIN INLET AND CLEANOUT, TRAFFIC SIGNAL PULLBOX. ENSURE MINIMUM HORIZONTAL CLEARANCE. INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON. PROTECT EX HISTORICAL STAMP PER SDG-I15.
158	A		14'	X					X		SEE DETAIL ON SHEET C-72.
159	A		10'	X					X		PROTECT IN PLACE TRAFFIC SIGNAL AND STREETLIGHT POLE, TROLLEY CATENAR POLE AND FOUNDATION, (3) ELECTRICAL PULLBOX, IRON FENCE AND STORM DRAIN INLET. INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON.
160	A		>10'	X			X	X	X		PROTECT IN PLACE STORM DRAIN INLET, TRAFFIC SIGNAL POLE, TROLLEY CANTENARY POLE AND RAILROAD CROSSING SIGN POST. ADJUST EX ELECTRICAL PULLBOX TO GRADE. INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON.
161	A		>10'	X					X		PROTECT IN PLACE TRAFFIC SIGNAL POLE AND FENCE, ADJUST TRAFFIC SIGNAL AND ELECTRICAL PULLBOXES TO GRADE. INSTALL (2) NEW ADA STANDARD PEDESTRIAN PUSH BUTTON.

- ① STORM DRAIN STENCILING - 4.2.2 & 4.2.6 (APPROXIMATE LOCATION)
- ⊙ APPROXIMATE LOCATION OF PROPOSED PUSH BUTTON
- * APPROXIMATE LOCATION OF EX. SURVEY MONUMENT

C-16

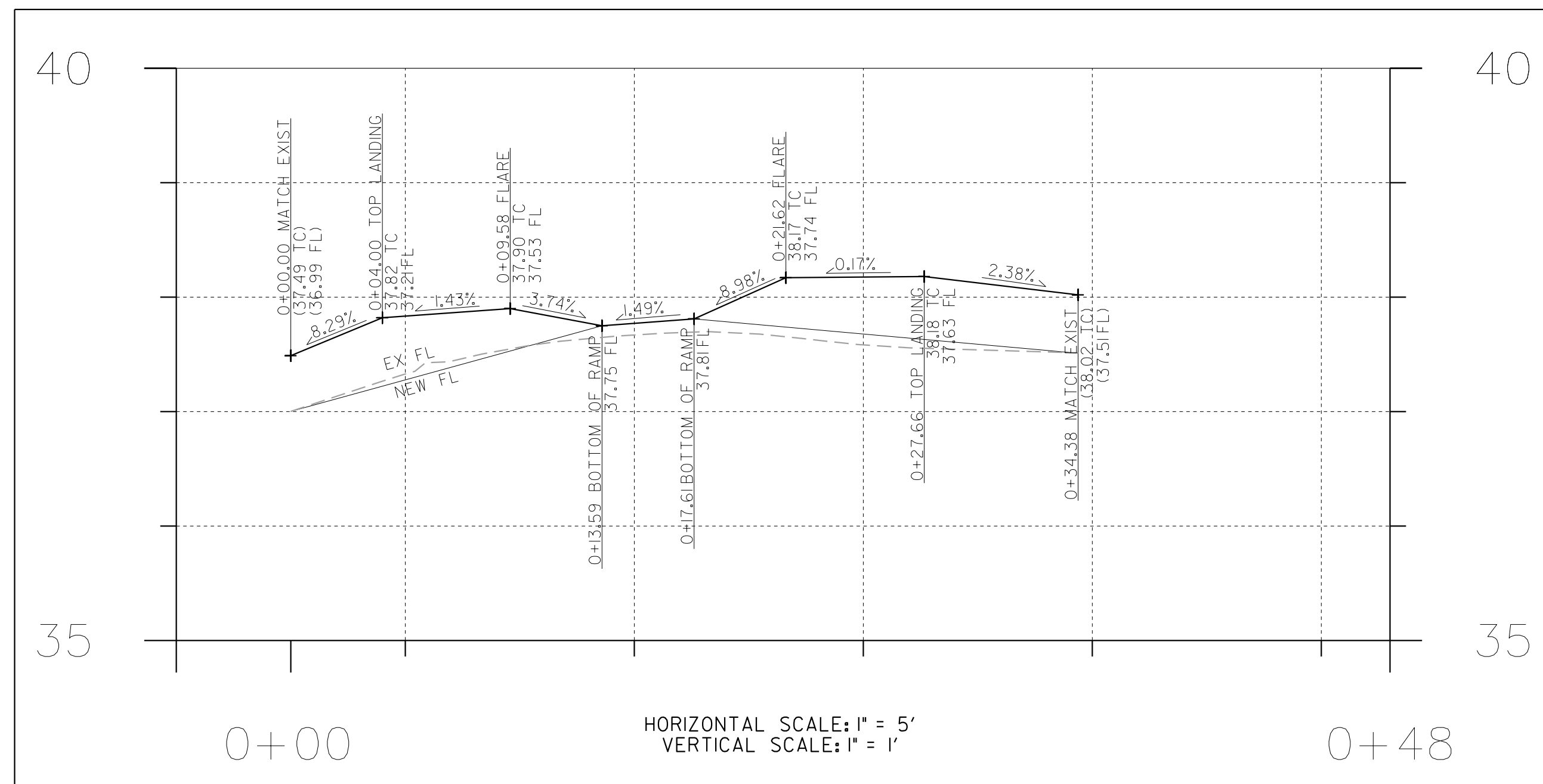


LEGEND				CURB RAMP IMPROVEMENT GROUP 1701 CURB RAMP LOCATION	
①	CURB RAMP NO's	⊙	EX TREE	⊙	EX STREET LIGHT
⊙	CURB RAMP BARRICADE	⊙	EX STREET SIGN	⊙	EX UTILITY POLE
⊙	EX FIRE HYDRANT	⊙	EX CURB RAMP	⊙	EX TRAFFIC SIGNAL POLE
PROPOSED CURB RAMPS PER STANDARD DRAWINGS:					
DETECTABLE WARNING TILES	SDG-130				
GENERAL CURB RAMP NOTES	SDG-131				
CURB RAMP TYPE A	SDG-132				
CURB RAMP TYPE B	SDG-133				
DUAL CURB RAMPS	SDG-134				
CURB RAMP - TYPE C1 & C2	SDG-135				
CURB RAMP - ADDITIONAL DETAILS	SDG-136				
CURB RAMP - TYPE D	SDG-137				
GENERAL CURB RAMPS	SDG-138				
PEDESTRIAN ISLAND AND CUT-THROUGH DETAILS	SDG-139				
PROTECTIVE RAILING AT CURB RAMPS	SDG-140				
PEDESTRIAN BARRICADE-TYPE A	SDG-141				
EX HISTORICAL STAMP OR IMPRESSION	SDG-115				
CROSS GUTTER	SDG-157				
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 19 OF 75 SHEETS				WBS#	B-17114
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME				DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER
DESCRIPTION				BY	APPROVED
ORIGINAL				JM	
DATE STARTED				DATE COMPLETED	
CONTRACTOR INSPECTOR				40677-19-D	



SW CORNER TYPE "A" CURB RAMP
SCALE: 1"=5'

SW RAMP PROFILE AT TC



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

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE 'A' CURB RAMP PER DETAIL AND CITY OF SAN DIEGO STANDARD DRAWINGS SDG-132.
- 2 ADJUST EXISTING PULL BOX TO GRADE.
- 3 ADJUST EXISTING GAS VALVE COVER TO GRADE.
- 4 PAINT NEW CURB RED TO MATCH EXISTING CONDITION.
- 5 PROTECT IN PLACE EXISTING TRAFFIC SIGNAL POLE.
- 6 PROTECT IN PLACE EXISTING TRASH RECEPTACLE.
- 7 PROTECT IN PLACE EXISTING SIGN AND POST.
- 8 EXISTING SURVEY MONUMENT TO BE PERPETUATED.

TOPOGRAPHY SOURCE

BASED ON FIELD SURVEY PERFORMED BY O'DAY ON DECEMBER 12, 2018. WORK ORDER NO. B-17114.

BENCHMARK

NEBP KETTNER BLVD. & MAPLE ST. (PT# 2003)
ELEV. 45.389 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

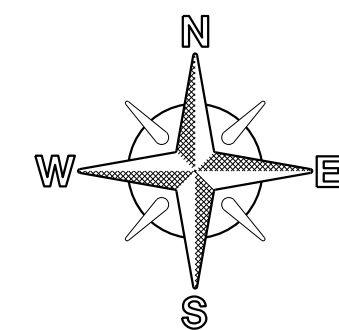
BASIS OF BEARINGS/COORDINATES

DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 165, AND GPS 3035, I.E. N78° 35' 41"E.

CURB ALIGNMENT DATA

LAUREL & KETTNER SOUTHWEST CORNER

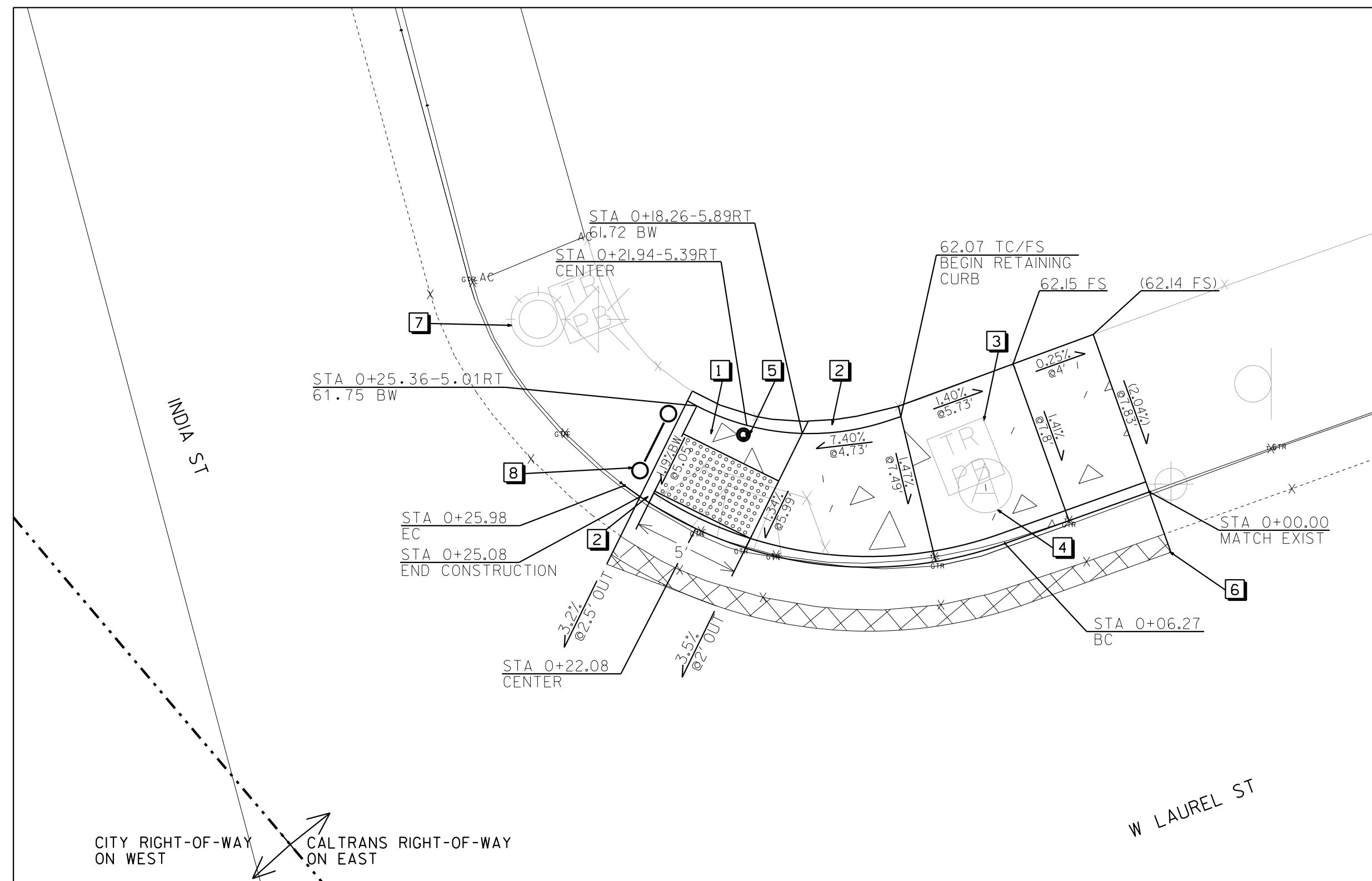
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: Laureland Kettner SW	Element: Linear
POB 0+00.00 1846617.85 6278095.37	POB 0+00.00 37.49 PVI0+04.00 37.82
STRAIGHT N 70° 56' 50.03" E D = 5.07	Tangent Grade: 8.286%
PC 0+05.07 1846619.50 6278100.17	Tangent Length: 4.00
R = +14.00 DELTA = 88° 45' 38.79" RT L = 21.69	Element: Linear
PT 0+26.76 1846611.13 6278117.87	PVI0+04.00 37.82 PVI0+09.58 37.90
STRAIGHT S 20° 17' 31.18" E D = 10.13	Tangent Grade: 1.434%
POE 0+36.89 1846601.62 6278121.38	Tangent Length: 5.58
	Element: Linear
	PVI0+09.58 37.90 PVI0+13.59 37.75
	Tangent Grade: -3.741%
	Tangent Length: 4.01
	Element: Linear
	PVI0+13.59 37.75 PVI0+17.61 37.81
	Tangent Grade: 1.493%
	Tangent Length: 4.02
	Element: Linear
	PVI0+17.61 37.81 PVI0+21.62 38.17
	Tangent Grade: 8.978%
	Tangent Length: 4.01
	Element: Linear
	PVI0+21.62 38.17 PVI0+27.66 38.18
	Tangent Grade: 0.166%
	Tangent Length: 6.04
	Element: Linear
	PVI0+27.66 38.18 POE 0+34.38 38.02
	Tangent Grade: -2.381%
	Tangent Length: 6.72



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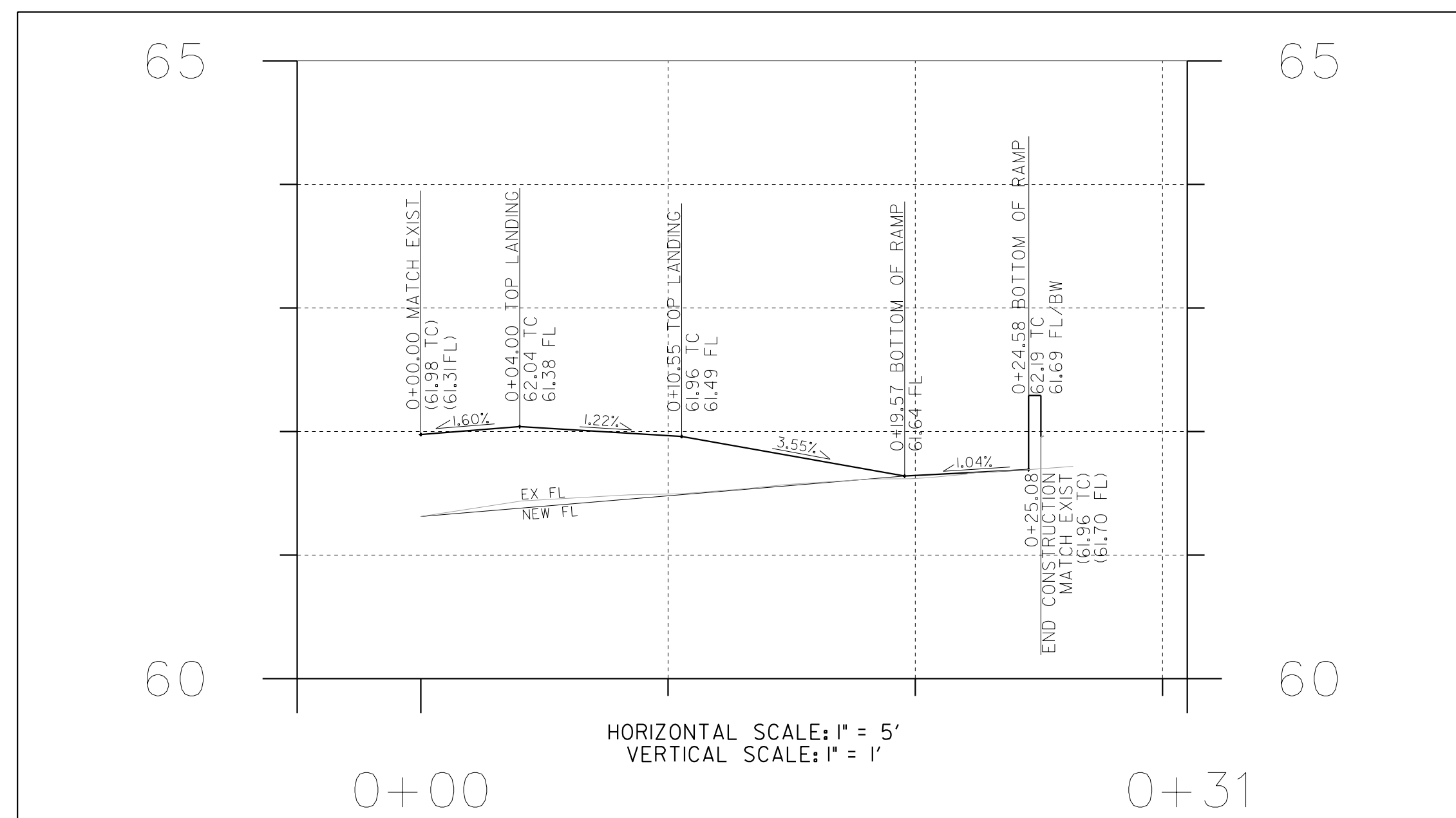
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
LAUREL ST AND KETTNER ST - SWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 20 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYLIE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JINSIL KIM PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	JK	DATE
		FILMED
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED
		40677-20-D



NE CORNER CASE "CH" CURB RAMP
SCALE: 1"=5'

NE RAMP PROFILE AT TC



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

CONSTRUCTION NOTES

- 1 CONSTRUCT CASE 'CH' CURB RAMP PER DETAIL AND CALTRANS STANDARD PLAN A88B. SEE CALTRANS STANDARD PLAN A88A FOR DETECTABLE WARNING TILE PLACEMENT.
- 2 CONSTRUCT 6" WIDE, 6" MIN HIGH RETAINING CURB.
- 3 ADJUST EXISTING PULL BOX TO GRADE.
- 4 REMOVE EXISTING PEDESTRIAN PUSH BUTTON POLE, FOUNDATION, AND BUTTON ASSEMBLY.
- 5 FURNISH AND INSTALL NEW ADA STANDARD PUSH BUTTON (2) AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CAL TRANS 2018 STANDARD PLAN ES-7A.
- 6 SAWCUT 1' FROM THE LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 7 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE. REMOVE EXISTING PUSH BUTTONS AND PATCH HOLES TO MATCH EXISTING.
- 8 FURNISH AND INSTALL PEDESTRIAN BARRICADE TYPE A PER SDG-14L.

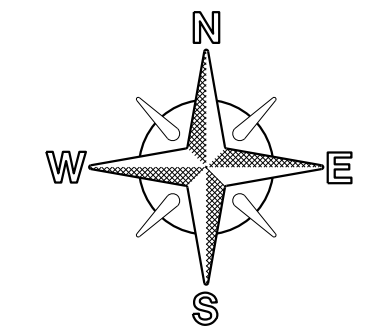
TOPOGRAPHY SOURCE
BASED ON FIELD SURVEY PERFORMED BY O'DAY ON DECEMBER 12, 2018. WORK ORDER NO. B-17114.

BENCHMARK
NEBP KETTNER BLVD. & MAPLE ST. (PT# 2003)
ELEV. 45.389 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES
DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 165, AND GPS 3035, I.E. N78° 35' 41"E.

CURB ALIGNMENT DATA

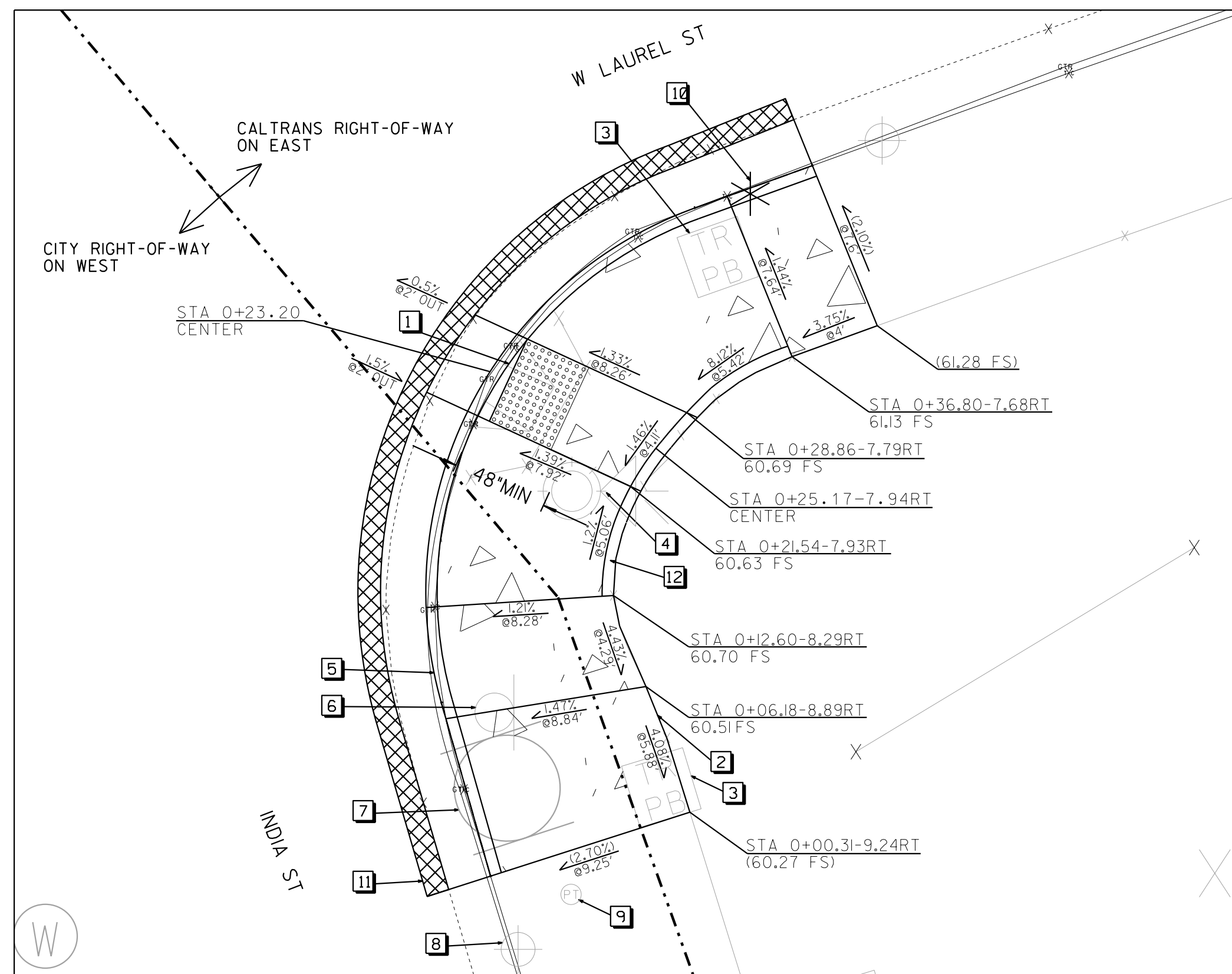
LAUREL ST & INDIA ST NORTHEAST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: Laurel & India NE per Caltrans	Vertical Alignment: NE_Vert per Caltrans
Station Northing Easting	Station Elevation
Element: Linear	Element: Linear
POB () 0+00.00 1846793.75 6278432.39	POB 0+00.00 61.98 PVI0+04.00 62.04
PC () 0+07.19 1846791.33 6278425.62	Tangent Grade: 1.60%
Tangential Direction: S 70° 19' 29" W	Tangent Length: 4.00
Tangent Length: 7.19	
Element: Circular	Element: Linear
PC () 0+07.19 1846791.33 6278425.62	PVI0+04.00 62.04 PVI0+10.55 61.96
PI () 0+17.44 1846787.88 6278415.97	Tangent Grade: -1.22%
CC () 1846809.22 6278419.22	Tangent Length: 6.55
PT () 0+25.98 1846794.05 6278407.79	
Radius: 19.00	Element: Linear
Delta: 56° 41' 07" Right	PVI0+10.55 61.96 PVI0+19.57 61.64
Length: 18.80	Tangent Grade: -3.55%
	Tangent Length: 9.02
Element: Linear	Element: Linear
PT () 0+25.98 1846794.05 6278407.79	PVI0+19.57 61.64 POE 0+24.58 61.69
POE () 0+26.20 1846794.18 6278407.61	Tangent Grade: 1.04%
Tangential Direction: N 52° 59' 24" W	Tangent Length: 5.01
Tangent Length: 0.22	



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CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
LAUREL ST AND INDIA ST - NEC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 21 OF 75 SHEETS			WBS# B-17114
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYLIE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____		SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JINSIL KIM PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	JK		
CONTRACTOR _____ DATE STARTED _____			INSPECTOR _____ DATE COMPLETED _____
206-1713 CCS27 COORDINATE			1846-6274 CCS83 COORDINATE
40677-21-D			



SE CORNER TYPE 'C' CURB RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

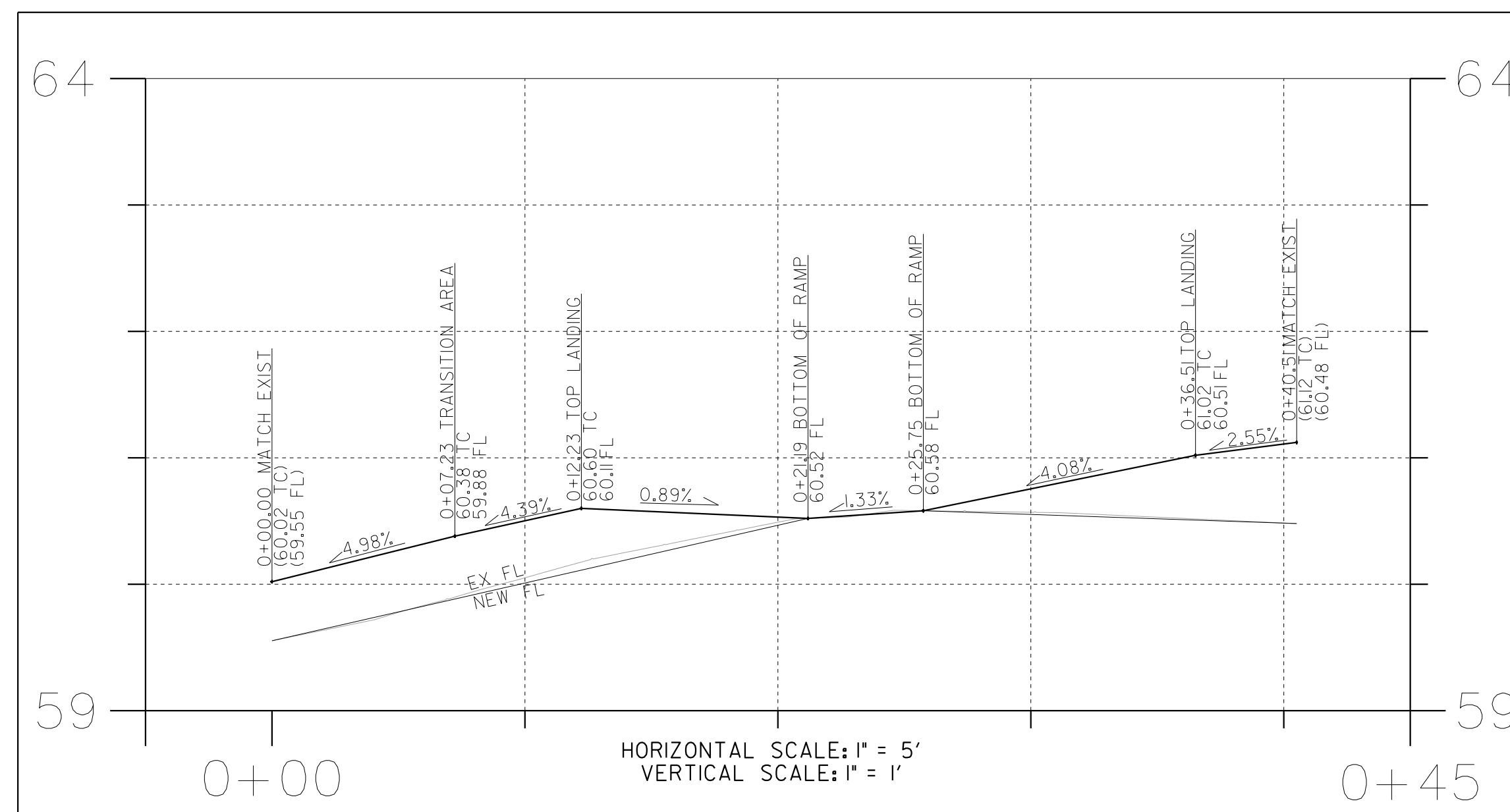
- 1 CONSTRUCT TYPE 'C' CURB RAMP PER DETAIL AND CALTRANS STANDARD PLAN.
- 2 FILL IN BERM TO MATCH WITH NEW SURFACE HEIGHT.
- 3 ADJUST EXISTING PULL BOX TO GRADE.
- 4 FURNISH AND INSTALL NEW ADA STANDARD PUSH BUTTON(2) ON EXISTING TRAFFIC SIGNAL POLE. CONTRACTOR IS RESPONSIBLE FOR FULL OPERATION OF NEW PUSH BUTTONS.
- 5 PAINT NEW CURB RED TO MATCH EXISTING CONDITION.
- 6 PROTECT IN PLACE EXISTING SIGN.
- 7 PROTECT IN PLACE EXISTING FIRE HYDRANT.
- 8 PROTECT IN PLACE EXISTING STORM DRAIN.
- 9 PROTECT IN PLACE EXISTING TRASH RECEPTACLE.
- 10 EXISTING SURVEY MONUMENT TO BE PERPETUATED.
- 11 SAWCUT 1' FROM THE PROPOSED LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 12 CONSTRUCT 6" WIDE, 6" MIN HIGH RETAINING CURB.

TOPOGRAPHY SOURCE
BASED ON FIELD SURVEY PERFORMED BY O'DAY ON DECEMBER 12, 2018. WORK ORDER NO. B-17114.

BENCHMARK
NEBP KETTNER BLVD. & MAPLE ST. (PT# 2003)
ELEV. 45.389 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

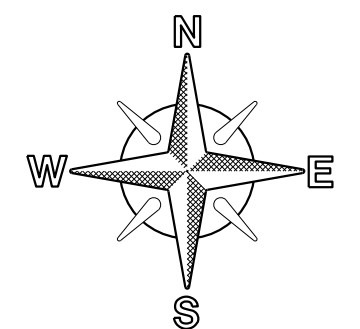
BASIS OF BEARINGS/COORDINATES
DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 165, AND GPS 3035, I.E. N78° 35' 41"E.

SE RAMP PROFILE AT TC



CURB ALIGNMENT DATA

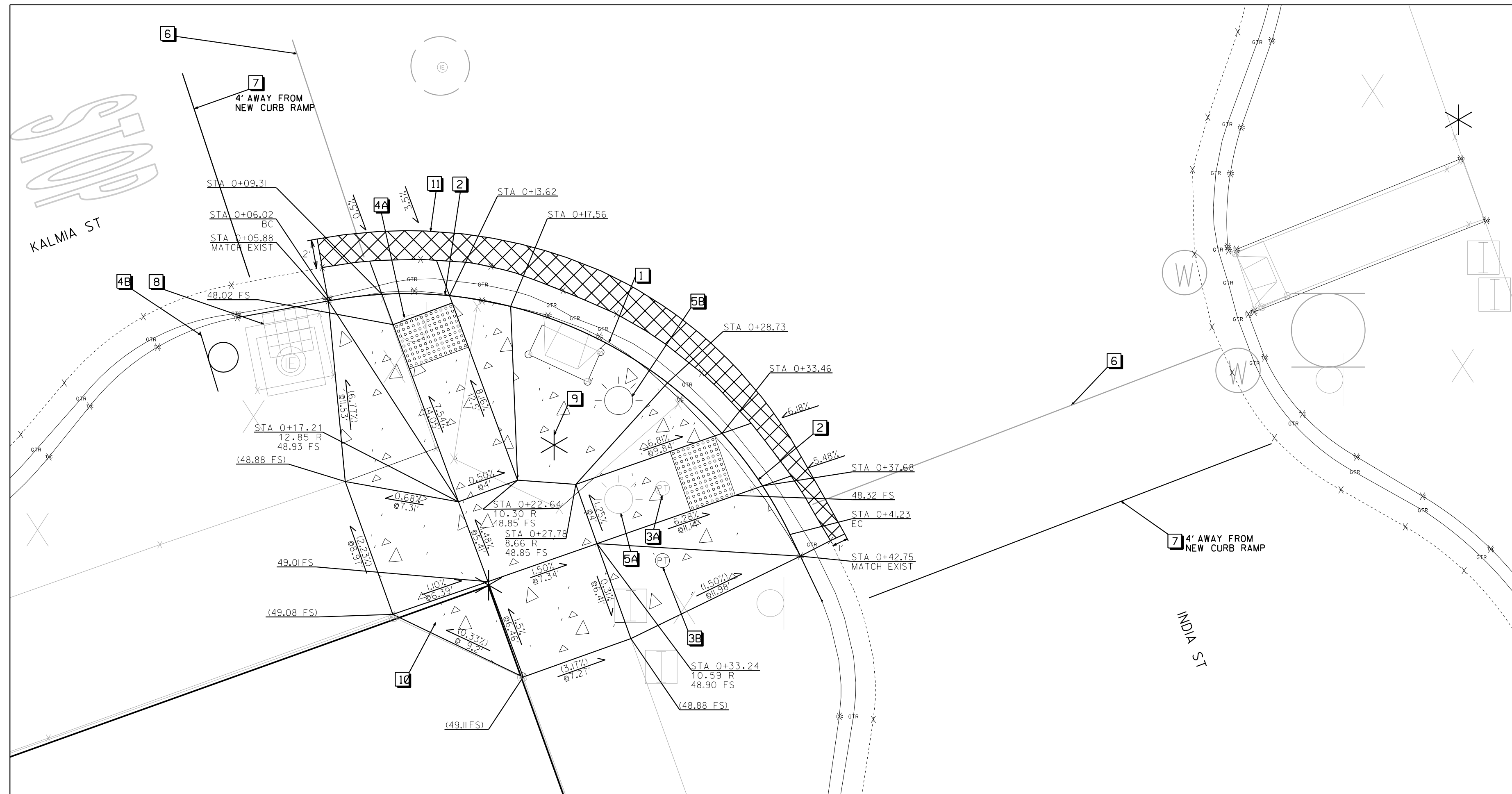
LAUREL ST & INDIA ST SOUTHEAST CORNER	
HORIZONTAL ALIGNMENT	
Alignment Name: Laurel & India SE per Caltrans	Vertical Alignment: SE_Vert per Caltrans
Station Northing Easting	Station Elevation
Element: Linear	
PI () 0+00.00 1846712.48 6278433.50	PI 0+00.00 60.02 PVI 0+07.23 60.38
BC () 0+07.97 1846720.15 6278431.32	Tangent Grade: 4.98%
Tangential Direction: N 15° 50' 59" W	Tangent Length: 7.23
Tangential Length: 7.97	
Element: Circular	
BC () 0+07.97 1846720.15 6278431.32	PVI 0+07.23 60.38 PVI 0+12.23 60.60
PI () 0+24.76 1846736.30 6278426.74	Tangent Grade: 4.39%
CC () 1846725.07 6278448.64	Tangent Length: 5.00
EC () 0+34.99 1846742.00 6278442.53	
Radius: 18.00	
Delta: 86° 00' 41" Right	
Length: 27.02	
Element: Linear	
EC () 0+34.99 1846742.00 6278442.53	PVI 0+12.23 60.60 PVI 0+21.19 60.52
PI () 0+40.51 1846743.87 6278447.72	Tangent Grade: -0.88%
Tangential Direction: N 70° 09' 42" E	Tangent Length: 8.96
Tangential Length: 5.52	
Element: Linear	
EC () 0+34.99 1846742.00 6278442.53	PVI 0+21.19 60.52 PVI 0+25.75 60.58
PI () 0+40.51 1846743.87 6278447.72	Tangent Grade: 1.33%
Tangential Direction: N 70° 09' 42" E	Tangent Length: 4.56
Tangential Length: 5.52	
Element: Linear	
EC () 0+34.99 1846742.00 6278442.53	PVI 0+25.75 60.58 PVI 0+36.51 61.02
PI () 0+40.51 1846743.87 6278447.72	Tangent Grade: 4.08%
Tangential Direction: N 70° 09' 42" E	Tangent Length: 10.76
Tangential Length: 5.52	
Element: Linear	
EC () 0+34.99 1846742.00 6278442.53	PVI 0+36.51 61.02 PVI 0+40.51 61.02
PI () 0+40.51 1846743.87 6278447.72	Tangent Grade: 2.55%
Tangential Direction: N 70° 09' 42" E	Tangent Length: 4.00
Tangential Length: 5.52	



C-19

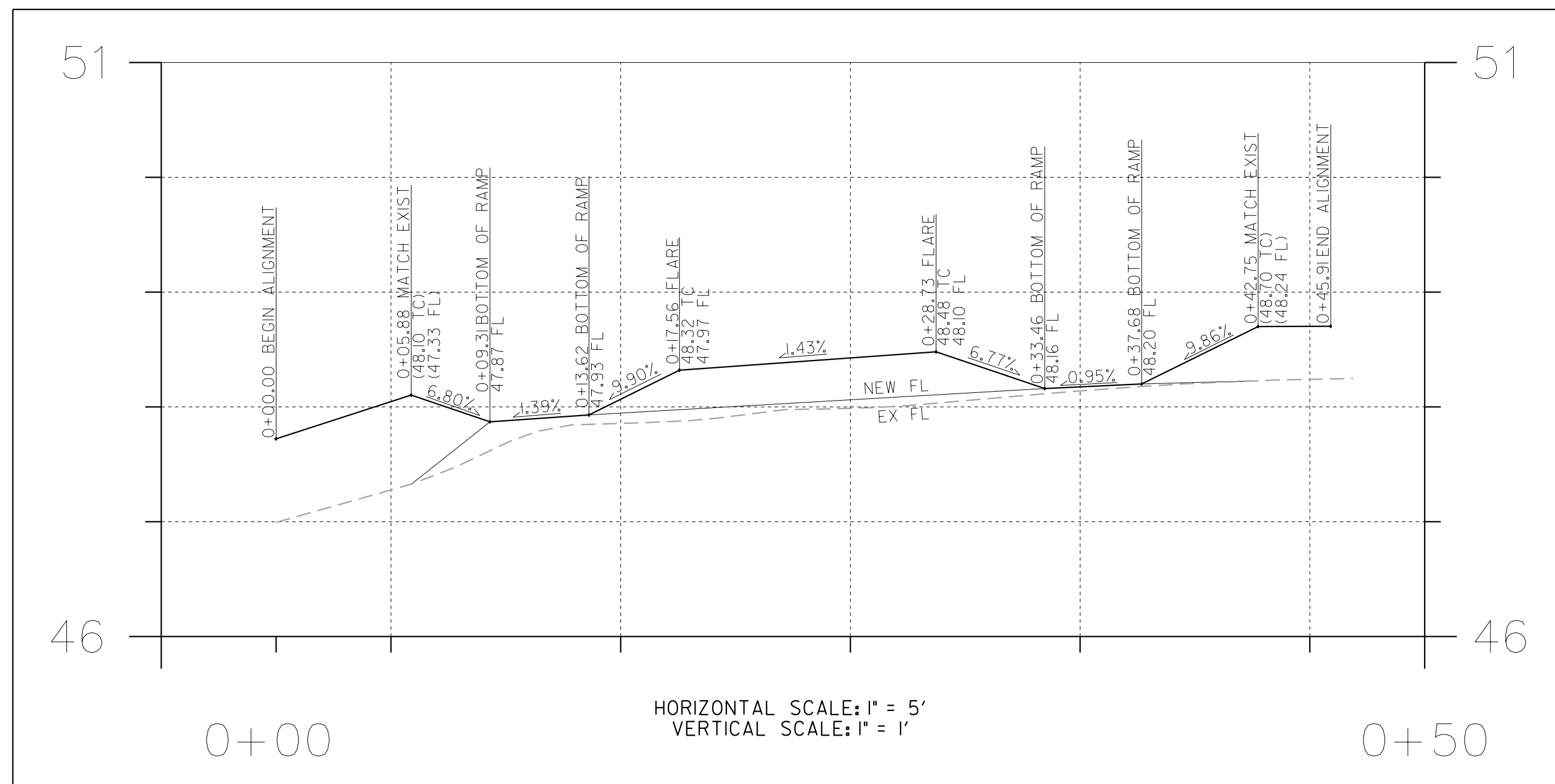
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
LAUREL ST AND INDIA ST - SEC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 22 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYLIE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JINSIL KIM PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	JK	DATE
		FILMED
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED
		40677-22-D



SW CORNER DUAL CURB RAMPS
SCALE: 1"=5'

SW RAMP PROFILE AT TC



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

CONSTRUCTION NOTES

- 1 DEMO EXISTING CURB RAMP AND RESTORE CURB AND GUTTER TO MATCH EXISTING TYPE.
- 2 CONSTRUCT DUAL CURB RAMPS PER DETAIL AND CITY OF SAN DIEGO STANDARD DRAWINGS SDG-134.
- 3 A. RELOCATE EXISTING TRASH BIN TO NEW LOCATION SHOWN.
B. NEW LOCATION FOR TRASH BIN.
COORDINATE WITH PROPERTY OWNER TO REMOVE LANDSCAPE AS NEEDED FOR TRASH BIN PLACEMENT.
- 4 A. RELOCATE EXISTING SIGN AND POST TO NEW LOCATION SHOWN.
B. NEW LOCATION FOR SIGN AND POST. REINSTALL PER SDM-104.
- 5 A. RELOCATE EXISTING STREET LIGHT 6' TO THE NORTH AS SHOWN.
B. NEW LOCATION FOR STREET LIGHT.
- 6 REMOVE EXISTING LIMIT LINE BY SANDBLASTING OR GRINDING METHOD APPROVED BY CITY RESIDENT ENGINEER.
- 7 INSTALL NEW THERMOPLASTIC LIMIT LINE PER CALTRANS STANDARD PLAN A24E.
- 8 PROTECT EXISTING STORM DRAIN IN PLACE.
- 9 EXISTING SURVEY MONUMENT TO BE PERPETUATED.
- 10 PRIVATE ENTRY TO BE PROTECTED IN PLACE. CONTRACTOR TO COORDINATE WITH THE OWNER OF THE PROPERTY FOR CONSTRUCTION.
- 11 SAWCUT AND AC PATCH TO MATCH GRADE.

TOPOGRAPHY SOURCE

BASED ON FIELD SURVEY PERFORMED BY O'DAY ON DECEMBER 12, 2018. WORK ORDER NO. B-17114.

BENCHMARK

NEBP KETTNER BLVD. & MAPLE ST. (PT# 2003)
ELEV. 45.389 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES

DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 165, AND GPS 3035, I.E. N78° 35' 41"E.

CURB ALIGNMENT DATA

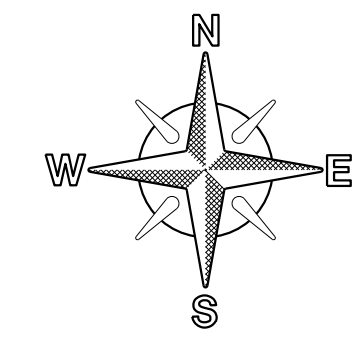
KALMIA ST & INDIA ST SOUTHWEST CORNER

HORIZONTAL ALIGNMENT

ALIGNMENT: Kalmia & India SW
POB 0+00.00 1846358.49 6278478.07
STRAIGHT N 79° 37' 20.70" E D = 6.02
PC 0+06.02 1846359.57 6278483.99
R = +27.00 DELTA = 74° 42' 52.43" RT L = 35.21
PT 0+41.23 1846344.71 6278513.19
STRAIGHT S 25° 39' 46.87" E D = 4.68
POE 0+45.91 1846340.48 6278515.22

VERTICAL ALIGNMENT

Element: Linear PVI 0+17.56 48.32 PVI 0+28.73 48.48 Tangent Grade: 1.432% Tangent Length: 11.17	Element: Linear PVI 0+28.73 48.48 PVI 0+33.46 48.16 Tangent Grade: -6.765% Tangent Length: 4.73
Element: Linear PVI 0+05.88 48.10 PVI 0+09.31 47.87 Tangent Grade: -6.795% Tangent Length: 3.43	Element: Linear PVI 0+33.46 48.16 PVI 0+37.68 48.20 Tangent Grade: 0.948% Tangent Length: 4.22
Element: Linear PVI 0+09.31 47.87 PVI 0+13.62 47.93 Tangent Grade: 1.392% Tangent Length: 4.31	Element: Linear PVI 0+37.68 48.20 PVI 0+42.75 48.70 Tangent Grade: 9.862% Tangent Length: 5.07
Element: Linear PVI 0+13.62 47.93 PVI 0+17.56 48.32 Tangent Grade: 9.898% Tangent Length: 3.94	Element: Linear PVI 0+42.75 48.70 POE 0+45.91 48.70 Tangent Grade: 0.077% Tangent Length: 3.16

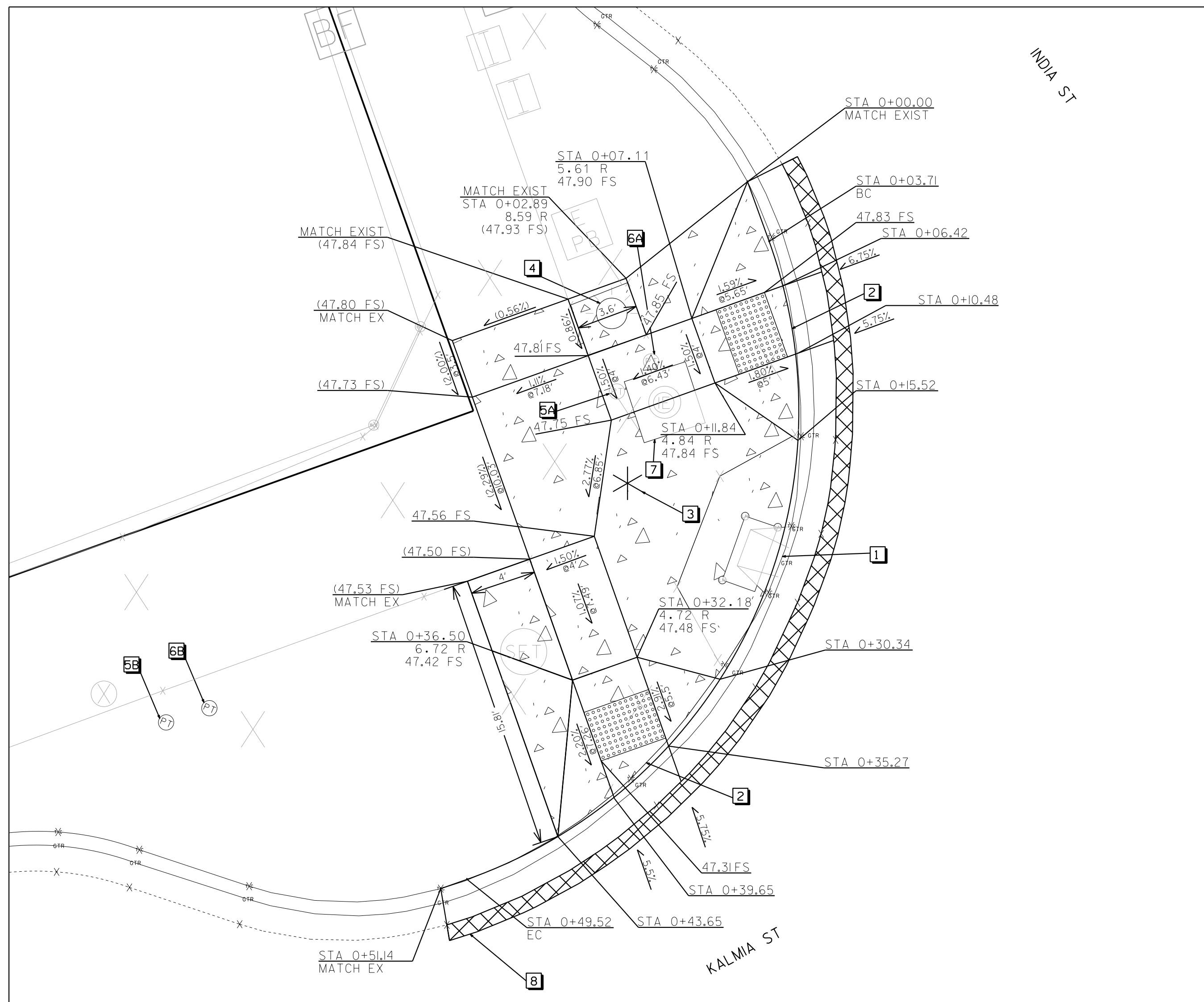


C-20

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
KALMIA ST AND INDIA ST - SWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 23 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYLIE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____		SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JINSIL KIM PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	JK	
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	
		40677-23-D

CURB RAMP DETAIL



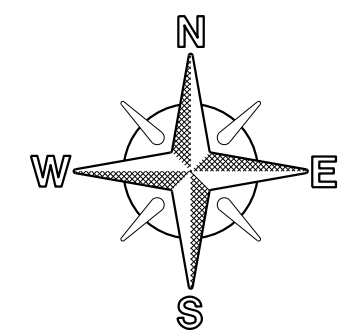
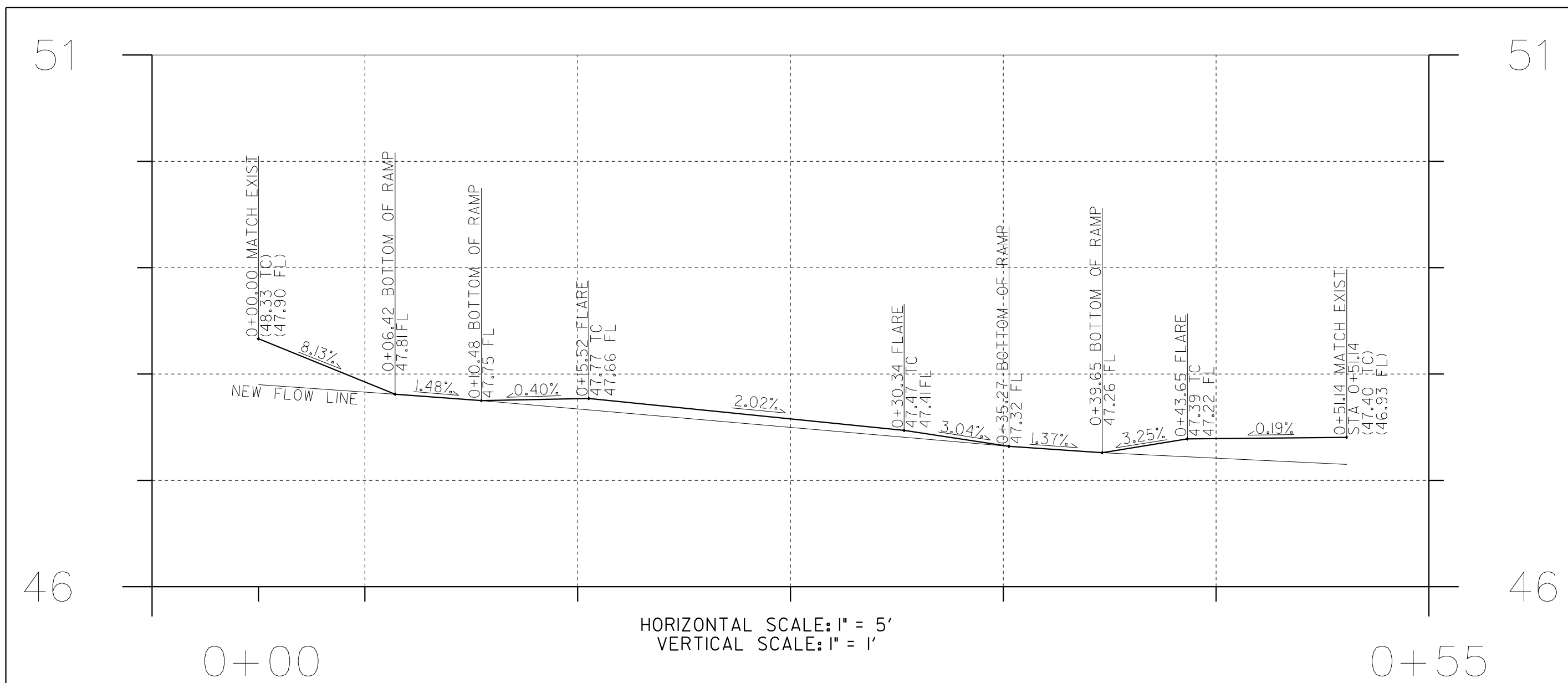
CONSTRUCTION NOTES

- 1 DEMO EXISTING CURB RAMP AND RESTORE CURB AND GUTTER TO MATCH EXISTING TYPE.
- 2 CONSTRUCT DUAL CURB RAMPS PER DETAIL AND CITY OF SAN DIEGO STANDARD DRAWINGS SDG-134.
- 3 EXISTING SURVEY MONUMENT TO BE PERPETUATED.
- 4 PROTECT EXISTING STREET LIGHT IN PLACE. ADJUST TO GRADE.
- 5 A. EXISTING TRASH BIN TO BE RELOCATED.
B. NEW LOCATION OF EXISTING TRASH BIN.
- 6 A. EXISTING RECYCLE BIN TO BE RELOCATED.
B. NEW LOCATION OF EXISTING RECYCLE BIN.
- 7 ADJUST MANHOLE COVER TO GRADE.
- 8 SAWCUT 1' FROM THE LIP OF GUTTER, AC PATCH TO MATCH GRADE.

CURB ALIGNMENT DATA	
KALMA ST & INDIA ST NORTHWEST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: Kalmia & India NW	
POB 0+00.00 1846430.14 6278483.05 STRAIGHT S 19° 54' 46.45" E D = 3.71	Element: Linear POB 0+00.00 48.33 PVI0+06.42 47.81 Tangent Grade: -8.13% Tangent Length: 6.42
PC 0+03.71 1846426.66 6278484.31 R = +29.00 DELTA = 90° 30' 35.75" RT L = 45.81	Element: Linear PVI0+06.42 47.81 PVI0+10.48 47.75 Tangent Grade: -1.478% Tangent Length: 4.06
PT 0+49.52 1846389.43 6278466.68 STRAIGHT S 70° 35' 49.29" W D = 1.63	Element: Linear PVI0+10.48 47.75 PVI0+15.52 47.77 Tangent Grade: 0.397% Tangent Length: 5.04
POE 0+51.14 1846388.89 6278465.15	Element: Linear PVI0+15.52 47.77 PVI0+30.34 47.47 Tangent Grade: -3.024% Tangent Length: 14.82
	Element: Linear PVI0+30.34 47.47 PVI0+35.27 47.32 Tangent Grade: -1.370% Tangent Length: 4.93
	Element: Linear PVI0+35.27 47.32 PVI0+39.65 47.26 Tangent Grade: -1.370% Tangent Length: 4.38
	Element: Linear PVI0+39.65 47.26 PVI0+43.65 47.39 Tangent Grade: 3.250% Tangent Length: 4.00
	Element: Linear PVI0+43.65 47.39 POE 0+51.14 47.40 Tangent Grade: 0.191% Tangent Length: 7.49

NW CORNER DUAL CURB RAMPS
SCALE: 1"=5'

NW RAMP PROFILE AT TC

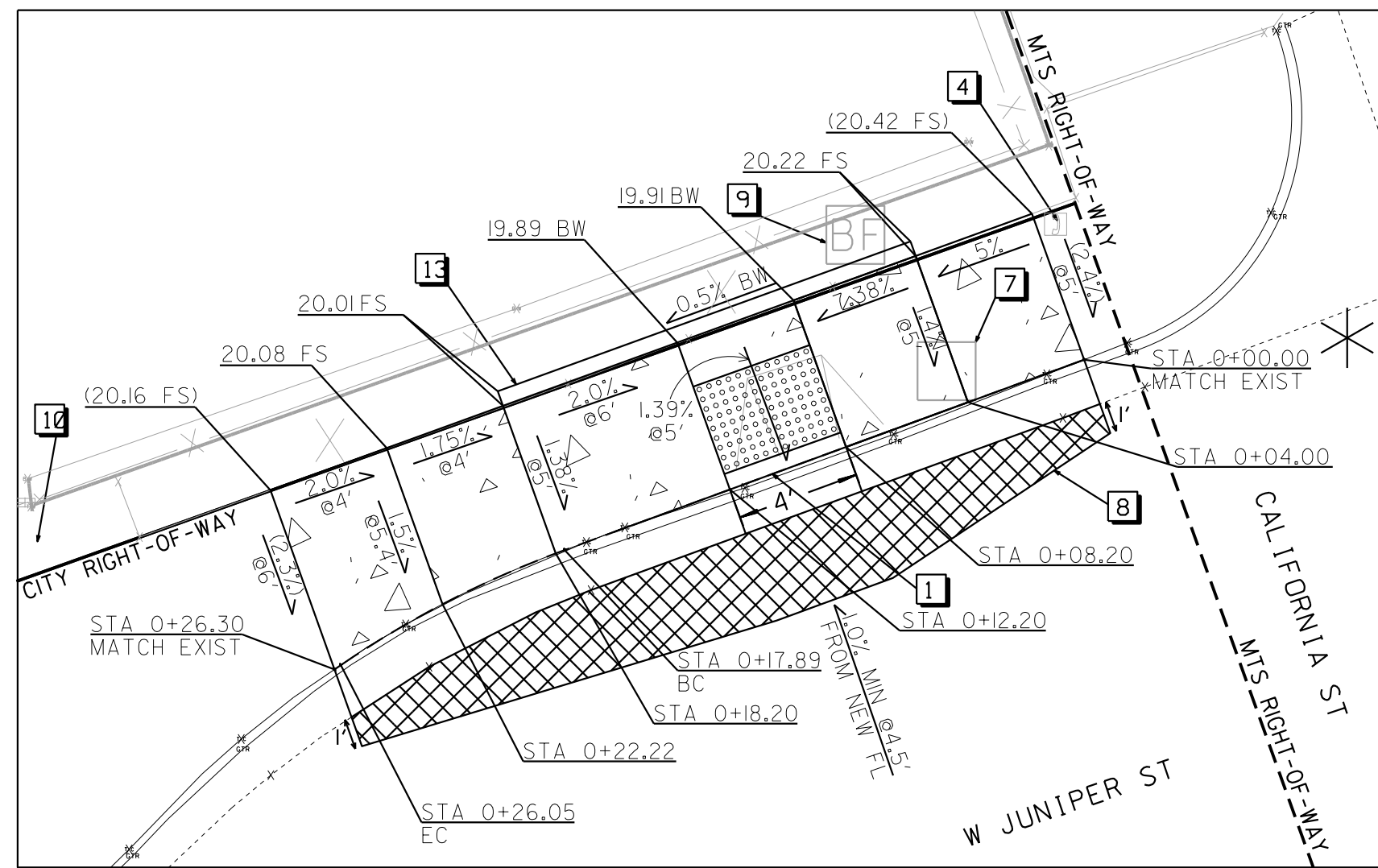


C-21

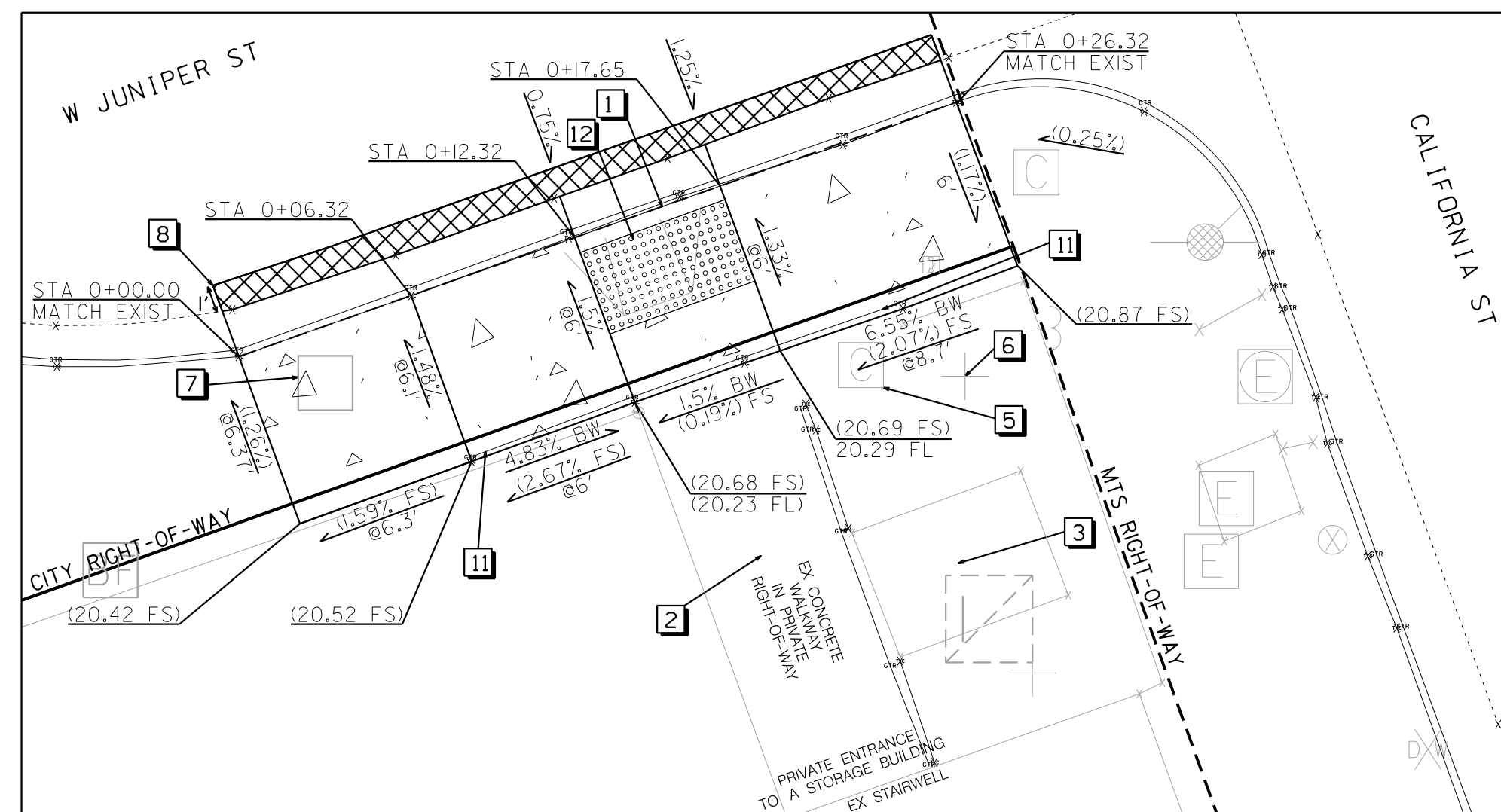
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
KALMA ST AND INDIA ST – NWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 24 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JINSIL KIM PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	JK	DATE
		FILED
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	
		202-1713 CCS27 COORDINATE 1842-6274 CCS83 COORDINATE 40677-24-D

CURB RAMP DETAIL



NW CORNER TYPE "CI" CURB RAMP
SCALE: 1"=5'



SW CORNER TYPE "CI" CURB RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE 'CI' CURB RAMP PER DETAIL AND THE CITY OF SAN DIEGO STANDARD DRAWINGS SDG-135.
- 2 PROTECT EXISTING CONCRETE WALKWAY IN PLACE. CONTRACTOR TO COORDINATE WITH BUILDING PROPERTY MANAGER FOR CONSTRUCTION.
- 3 PROTECT EXISTING TRANSFORMER AND FOUNDATION IN PLACE.
- 4 PROTECT EXISTING TELECOM IN PLACE.
- 5 PROTECT EXISTING COMMUNICATION BOX IN PLACE.
- 6 PROTECT EXISTING UTILITIES AND LANDSCAPE IN PLACE.
- 7 ADJUST WATER METER TO GRADE.
- 8 SAWCUT AS SHOWN. AC PATCH TO MATCH GRADE.
- 9 PROTECT EXISTING WATER LINE AND LANDSCAPE IN PLACE.
- 10 PROTECT EXISTING DRIVEWAY IN PLACE.
- 11 DEMO EXISTING CURB RAMP ALONG EXISTING GUTTER LINE. PROTECT EXISTING RAISED SURFACE IN PLACE. IN CASE OF DAMAGING EXISTING SURFACE ADJACENT TO THE BUILDING WALLS, CONTRACTOR SHALL REPLACE IT WITH NEOPRENE EXPANSION JOINT MATERIAL WITH A BREAK-AWAY PVC CAP BETWEEN NEW CONCRETE PANELS AND THE EXISTING BUILDING WALLS. (SIKA BRAND OR APPROVED EQUAL). APPLY WATERPROOF CEMENT-BASED COATING ON NEW CONCRETE PANELS.
- 12 FURNISH AND INSTALL NON-STAINLESS, CAST-IN PLACE COMPOSITE DETECTABLE WARNING TILE PER CITY OF SAN DIEGO APPROVED MATERIAL LIST. DWT LENGTH TO MATCH 3' AND WIDTH TO MATCH THE WIDTH OF CONCRETE WALKWAY IN THE BACK OF RAMP AS SHOWN IN DETAIL.
- 13 FURNISH AND INSTALL 6" WIDE RETAINING CURB.

CURB ALIGNMENT DATA

JUNIPER ST AND CALIFORNIA ST NORTHWEST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: Juniper & California NW	Element: Linear PVI0+00.00 20.30 PVI0+04.00 20.15 Tangent Grade: -3.645% Tangent Length: 4.00
POB 0+00.00 1845868.24 6278077.89 STRAIGHT S 69° 52' 20.00" W D = 17.89	Element: Linear PVI0+04.00 20.15 PVI0+08.20 19.84 Tangent Grade: -7.381% Tangent Length: 4.20
PC 0+17.89 1845862.08 6278061.09 R = -33.00 DELTA = 14° 10' 08.48" LT L = 8.16	Element: Linear PVI0+08.20 19.84 PVI0+12.20 19.82 Tangent Grade: -0.500% Tangent Length: 4.00
PT 0+26.05 1845858.36 6278053.85 STRAIGHT S 55° 42' 11.53" W D = 0.25	Element: Linear PVI0+12.20 19.82 PVI0+18.20 19.94 Tangent Grade: 2.000% Tangent Length: 6.00
POE 0+26.30 1845858.22 6278053.64	Element: Linear PVI0+18.20 19.94 PVI0+22.22 20.00 Tangent Grade: 1.493% Tangent Length: 4.02
	Element: Linear PVI0+22.22 20.00 PVI0+26.30 20.02 Tangent Grade: 0.456% Tangent Length: 4.08

CURB ALIGNMENT DATA

JUNIPER ST AND CALIFORNIA ST SOUTHWEST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: Juniper & California SW	Element: Linear PVI0+00.00 20.35 PVI0+06.32 20.43 Tangent Grade: 1.282% Tangent Length: 6.32
POB 0+00.00 1845794.17 6278077.82 STRAIGHT N 70° 28' 32.84" E D = 26.32	Element: Linear PVI0+06.32 20.43 PVI0+12.32 20.14 Tangent Grade: -4.833% Tangent Length: 6.00
POE 0+26.32 1845802.97 6278102.62	Element: Linear PVI0+12.32 20.14 PVI0+17.65 20.22 Tangent Grade: 1.501% Tangent Length: 5.33
	Element: Linear PVI0+17.65 20.22 PVI0+26.32 20.94 Tangent Grade: 8.251% Tangent Length: 8.67

TOPOGRAPHY SOURCE

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JUNE 14, 2018. WORK ORDER NO. B-1714.

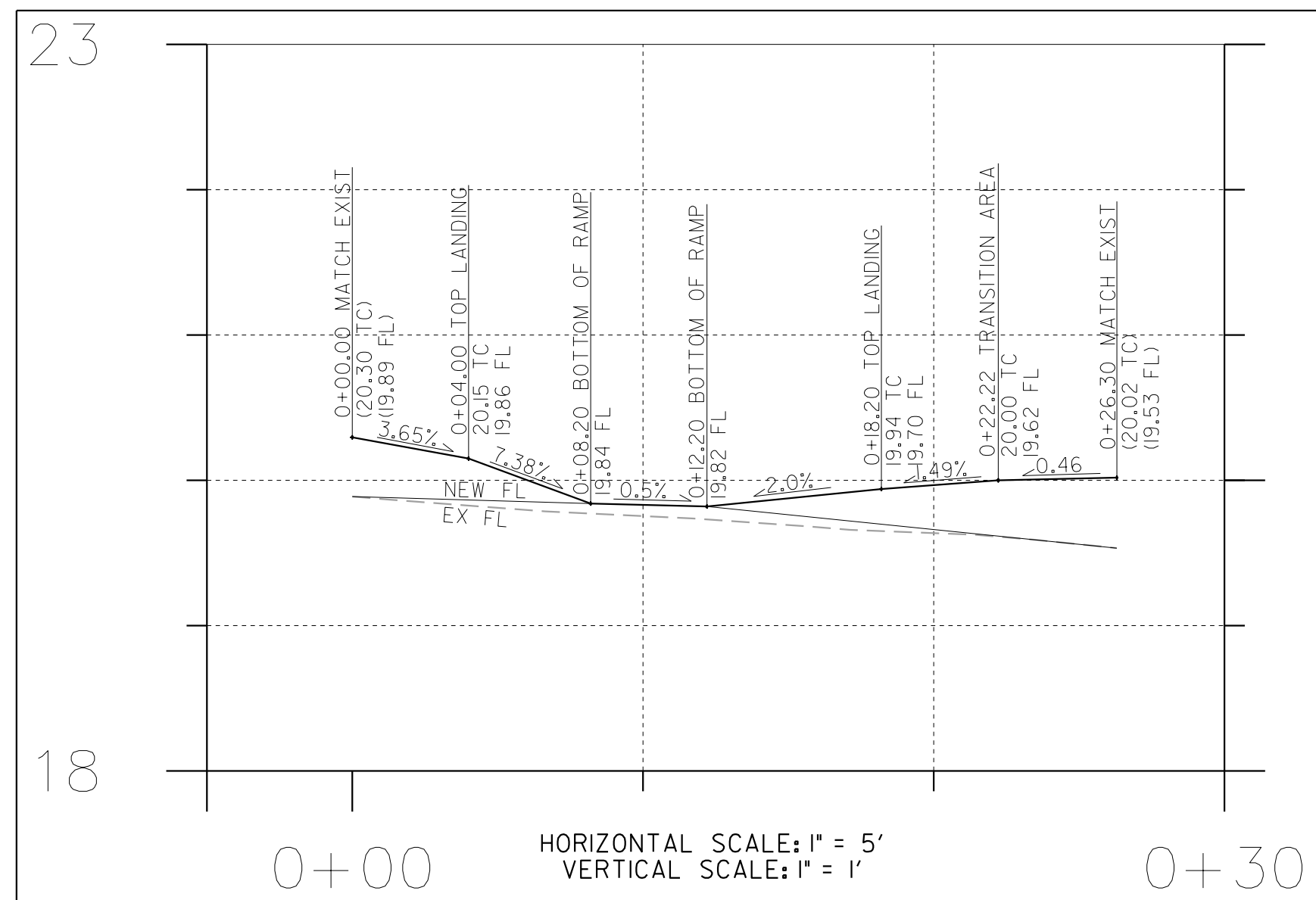
BENCHMARK

NEBP PACIFIC HIGHWAY AND JUNIPER ST. (PT2052) ELEV. 15.756 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

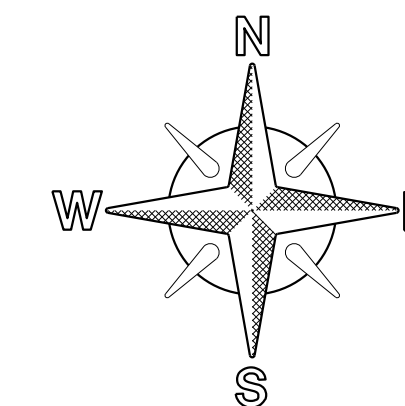
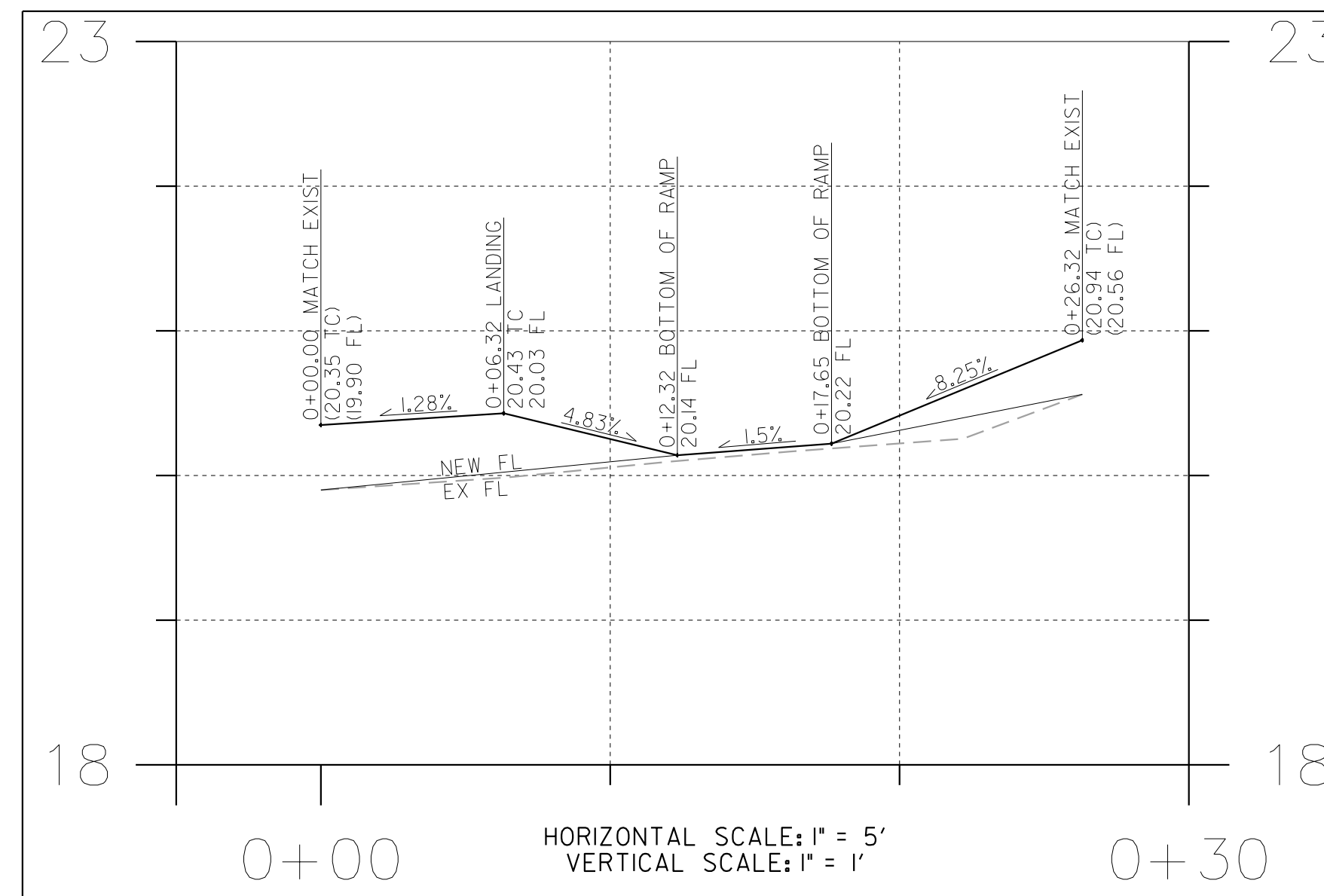
BASIS OF BEARINGS/COORDINATES

THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING RECORD OF SURVEY I4492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 2052, GPS 17, I.E. N4° 04' 52" W.

NW RAMP PROFILE AT TC



SW RAMP PROFILE AT TC

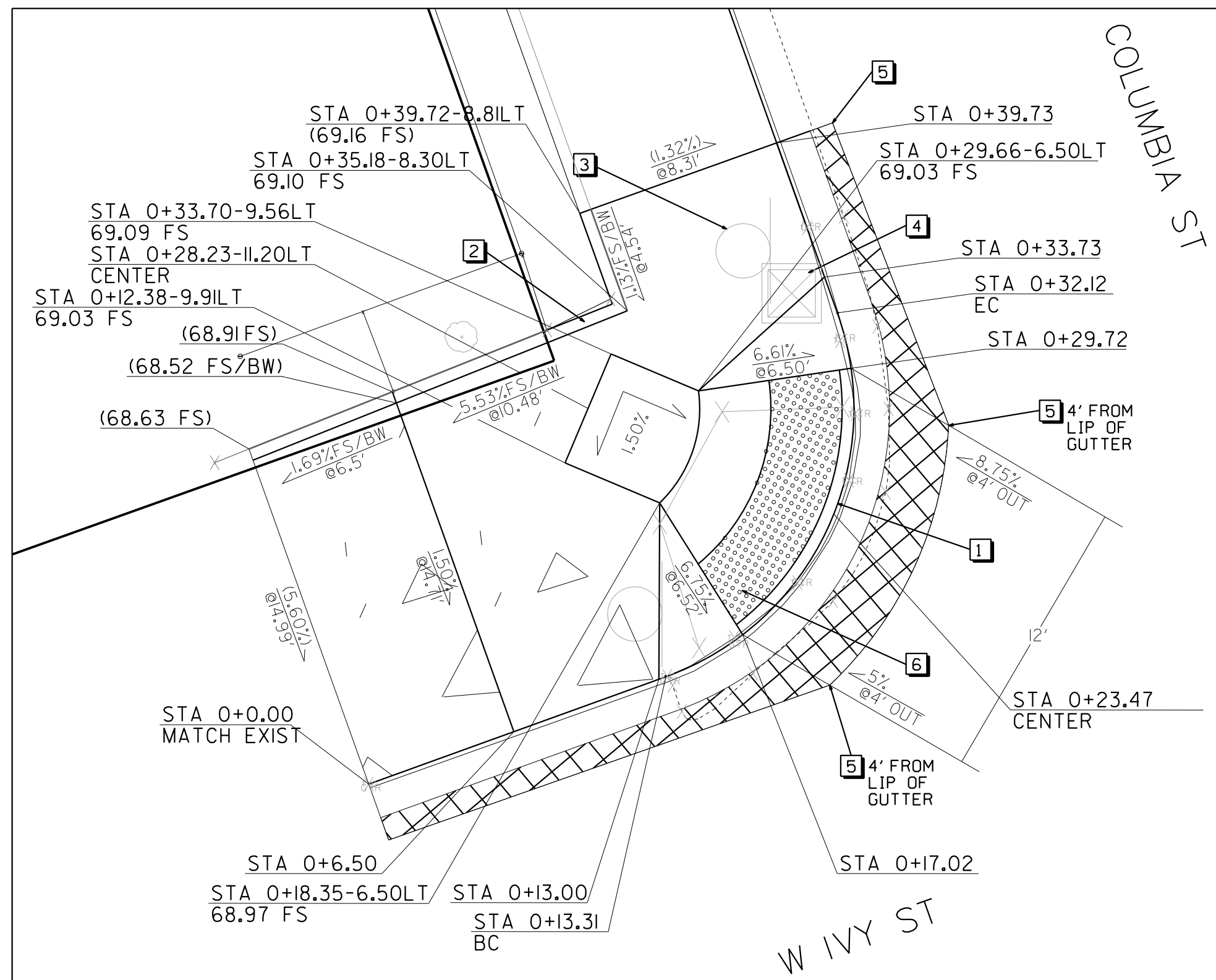


C-22

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
JUNIPER ST AND CALIFORNIA ST

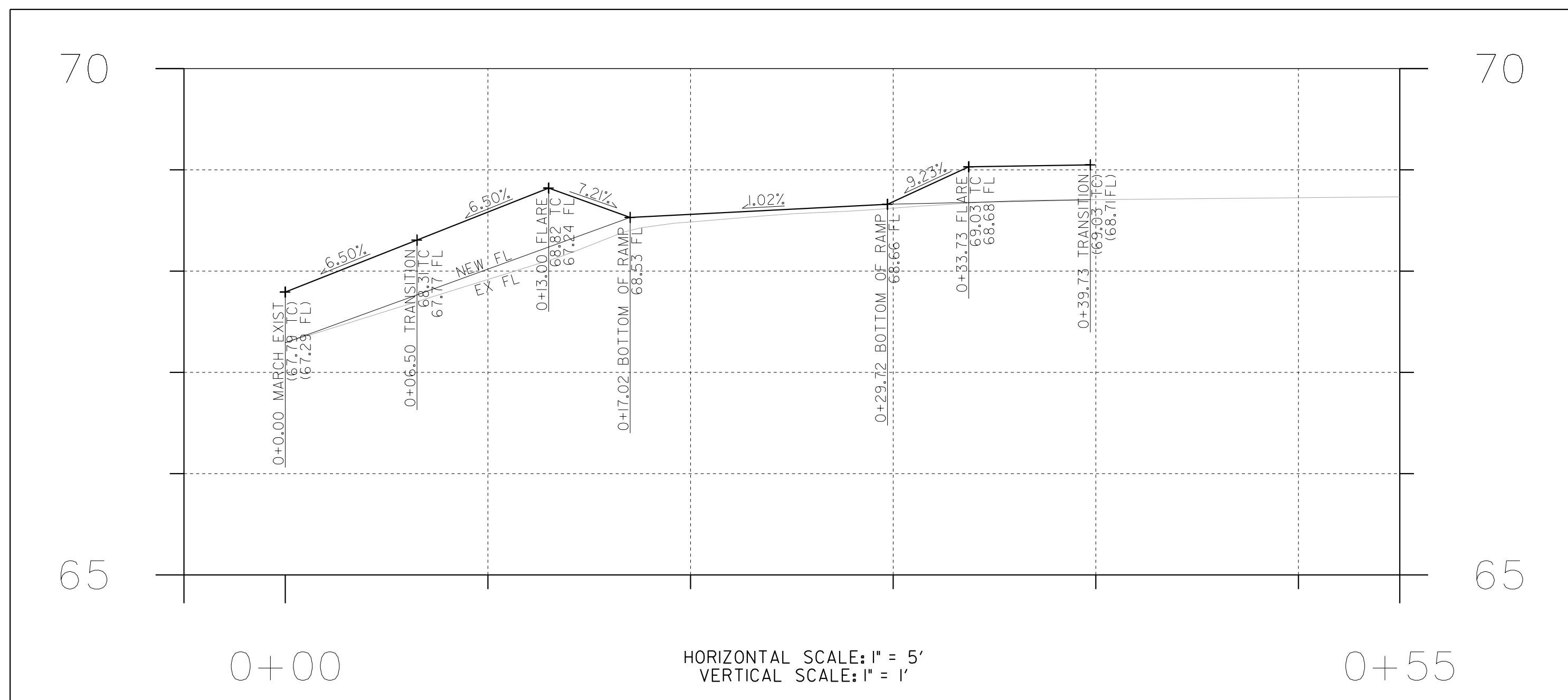
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 25 OF 75 SHEETS		WBS# B-1714
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JINSIL KIM PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	JK	
		DATE
		FILMED
		202-1713
		CCS27 COORDINATE
		1842-6274
		CCS83 COORDINATE
CONTRACTOR	DATE STARTED	40677-25-D
INSPECTOR	DATE COMPLETED	

CURB RAMP DETAIL



NW CORNER MODIFIED TYPE "A" CURB RAMP
SCALE: 1"=5'

NW RAMP PROFILE AT TC



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

CONSTRUCTION NOTES

- 1 CONSTRUCT MODIFIED TYPE 'A' CURB RAMP PER DETAIL, AND CALTRANS STANDARD DRAWINGS FOR CURB RAMPS IN CALTRANS RIGHT-OF-WAY.
- 2 CONSTRUCT 6' WIDE RETAINING CURB.
- 3 PROTECT EXISTING SIGN AND POLE IN PLACE.
- 4 ADJUST EXISTING TRASH RECEPTACLE OUT OF THE NEW FLARE.
- 5 SAWCUT 1' FROM THE LIP OF GUTTER UNLESS SHOWN OTHERWISE. AC PATCH TO MATCH GRADE.
- 6 FURNISH AND INSTALL COMPOSITE DETECTABLE WARNING TILE TRIMMED RADIAL TO THE CURB RETURN.

CURB ALIGNMENT DATA

HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: NW Station Northing Easting Element: Linear POB () 0+00.00 1845775.06 6278974.44 PC () 0+13.31 1845779.58 6278986.96 Tangential Direction: N 70° 08'12" E Tangential Length: 13.31	Vertical Alignment: NW_Vert Station Elevation Element: Linear POB 0+00.00 67.79 PVI 0+06.50 68.31 Tangent Grade: 7.90% Tangent Length: 6.50
Element: Circular PC () 0+13.31 1845779.58 6278986.96 PI () 0+25.27 1845783.64 6278998.21 CC () 1845790.87 6278982.89 PT () 0+32.12 1845794.90 6278994.19 Radius: 12.00 Delta: 89° 47'09" Left Length: 18.80	Element: Linear PVI 0+06.50 68.31 PVI 0+13.00 68.82 Tangent Grade: 7.90% Tangent Length: 6.50
Element: Linear PT () 0+32.12 1845794.90 6278994.19 POE () 0+50.22 1845811.95 6278988.10 Tangential Direction: N 19° 38'57" W Tangential Length: 18.10	Element: Linear PVI 0+13.00 68.82 PVI 0+17.02 68.53 Tangent Grade: -7.21% Tangent Length: 4.02
	Element: Linear PVI 0+17.02 68.53 PVI 0+29.72 68.66 Tangent Grade: 1.02% Tangent Length: 12.70
	Element: Linear PVI 0+29.72 68.66 PVI 0+33.73 69.03 Tangent Grade: 9.23% Tangent Length: 4.01
	Element: Linear PVI 0+33.73 69.03 POE 0+39.73 69.05 Tangent Grade: 0.32% Tangent Length: 6.00

TOPOGRAPHY SOURCE

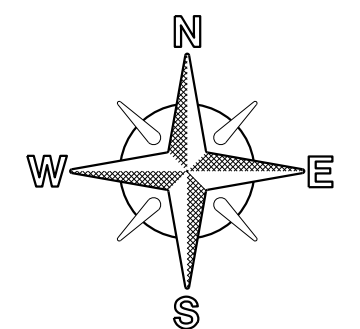
BASED ON FIELD SURVEY PERFORMED BY M. MEYER ON JUNE 20, 2018. WORK ORDER NO. B-17114.

BENCHMARK

SWBP HAWTORN ST & PACIFIC HIGHWAY (PT#50) ELEV. 14,239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES

DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND CHECKING GPS 17 (PT#20017), I.E. N04° 04'52"W.



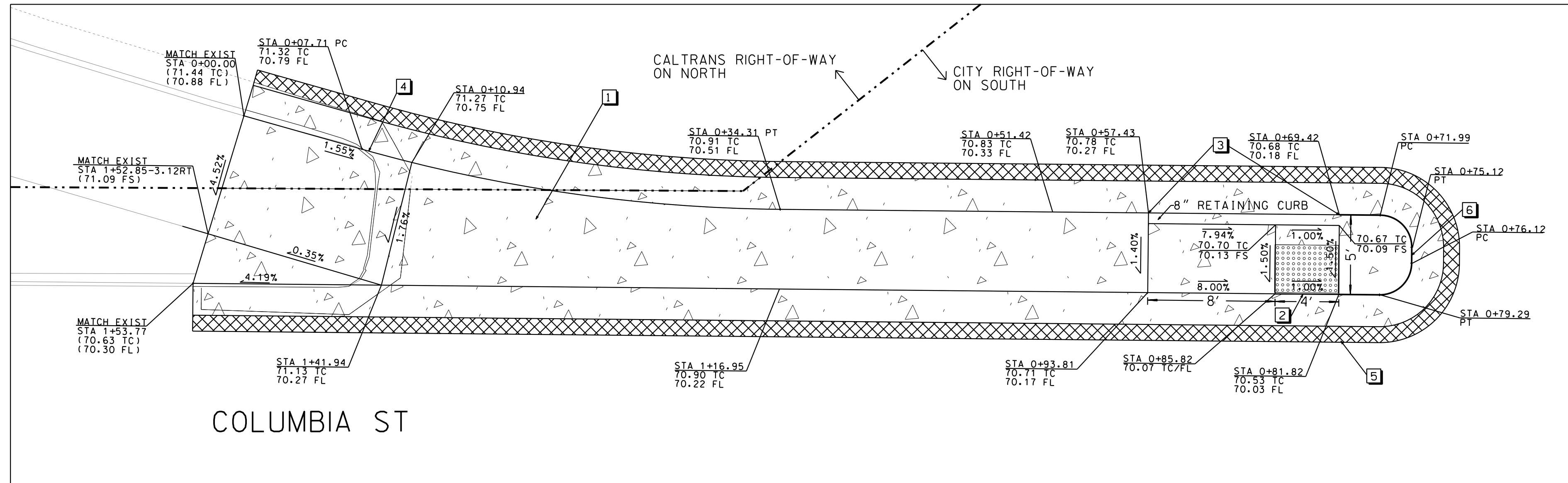
C-23

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
COLUMBIA ST AND W IVY ST - SWC

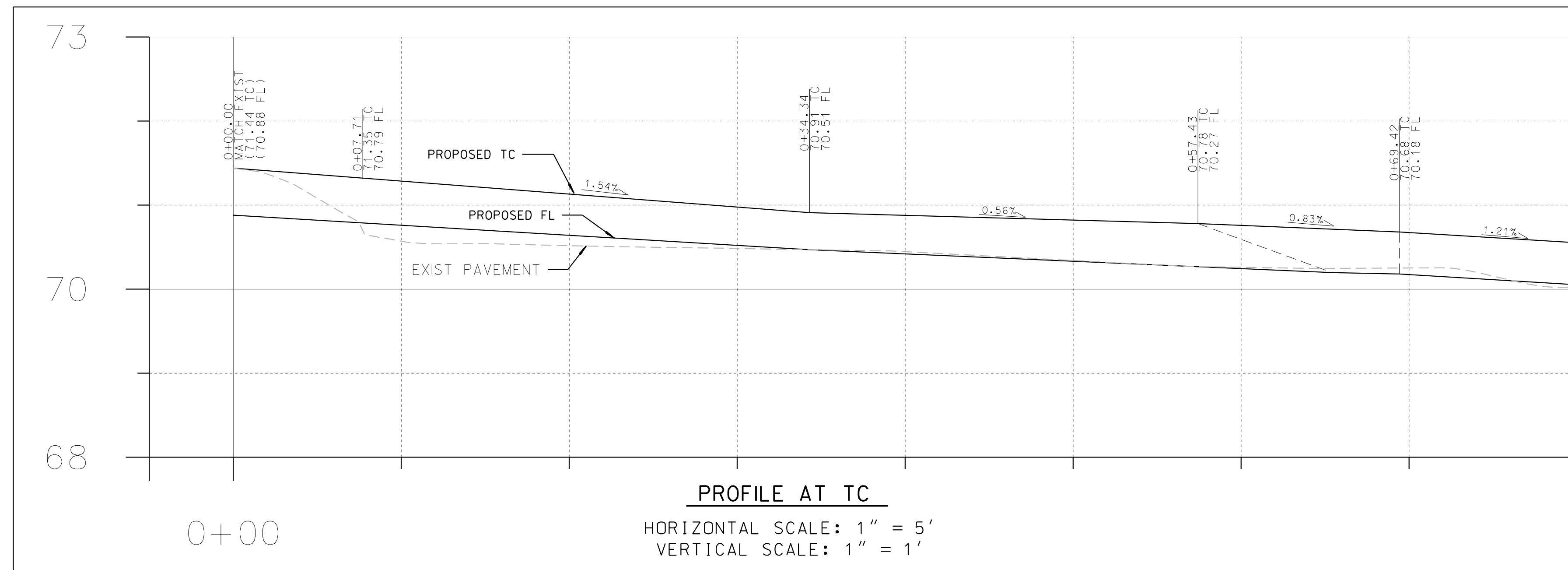
CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS DEPARTMENT
SHEET 26 OF 75 SHEETS
WBS# B-17114

APPROVED:		DATE:		SUBMITTED BY:	
FOR CITY ENGINEER				AVEEN SALEH	
DAYLIE ZHANG		C70971		PROJECT MANAGER	
PRINT DCE NAME		RCE#		JINSIL KIM	
DESCRIPTION		BY	APPROVED	DATE	FILMED
ORIGINAL	JK				
				206-1713	
				CCS27 COORDINATE	
				1846-6274	
				CCS83 COORDINATE	

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____
40677-26-D



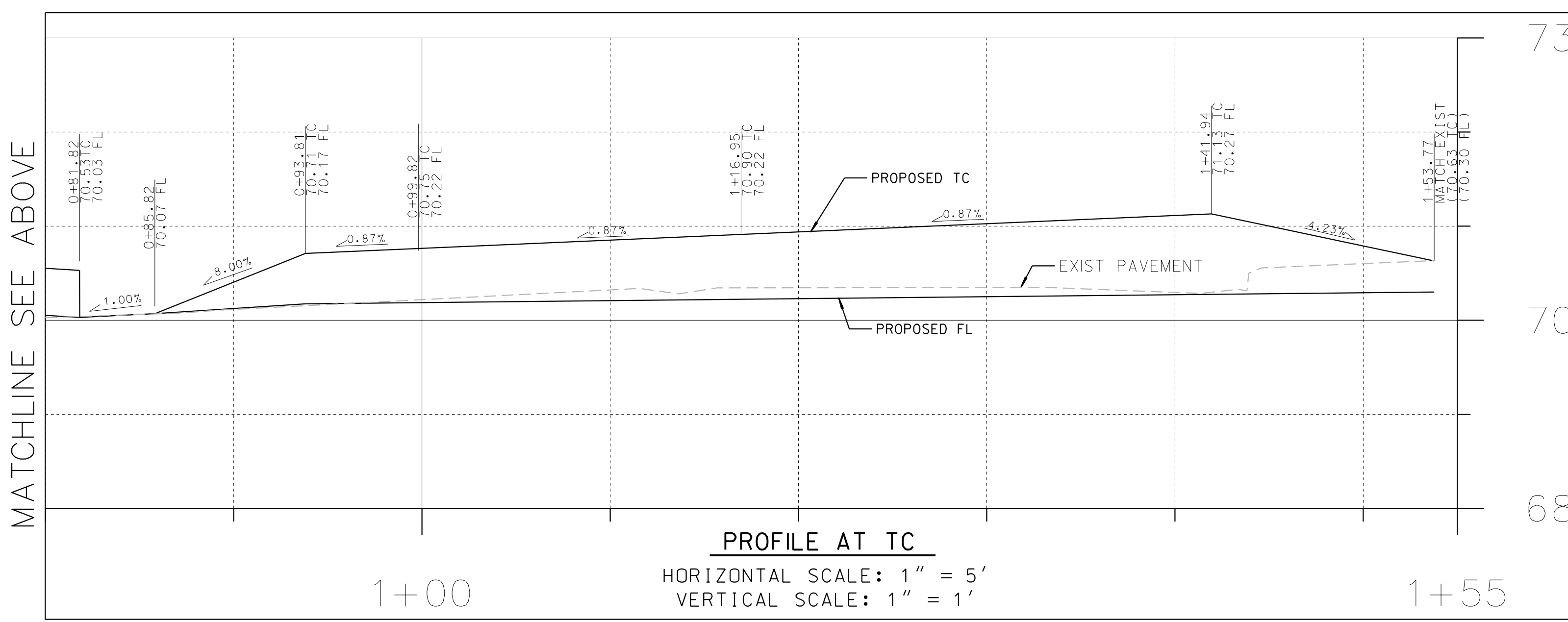
CURB ALIGNMENT DATA: COLUMBIA ST & IVY ST ISLAND HORIZONTAL ALIGNMENT		VERTICAL ALIGNMENT
ALIGNMENT: Columbia at Ivy Island		Element: Linear POB 0+00.00 71.44 PVI 0+34.31 70.91 Tangent Grade: -1.54% Tangent Length: 34.31
POB 0+00.00 1845864.96 6279001.3 STRAIGHT S 4° 12' 07.43" E D = 7.71 R = -100.00 DELTA = 15° 14' 33.64" LT L = 26.60		Element: Linear PVI 0+34.31 70.91 PVI 0+57.43 70.78 Tangent Grade: -0.56% Tangent Length: 23.12
PC 0+07.71 1845857.28 6279001.69 R = -100.00 DELTA = 15° 14' 33.64" LT L = 26.60		Element: Linear PVI 0+57.43 70.78 PVI 0+69.43 70.68 Tangent Grade: -0.83% Tangent Length: 12.00
PT 0+34.31 1845831.31 6279007.13 STRAIGHT S 19° 26' 41.07" E D = 37.67 R = +2.00 DELTA = 89° 48' 55.61" RT L = 3.14		Element: Linear PVI 0+69.43 70.68 PVI 0+81.82 70.53 Tangent Grade: -1.21% Tangent Length: 12.38
PC 0+71.99 1845795.79 6279019.67 R = +2.00 DELTA = 89° 48' 55.61" RT L = 3.14		Element: Linear PVI 0+81.82 70.53 PVI 0+81.82 70.03 Tangent Grade: -5000.00% Tangent Length: 0.01
PT 0+75.12 1845793.24 6279018.46 STRAIGHT S 70° 22' 14.54" W D = 1.00 R = +2.00 DELTA = 90° 11' 04.39" RT L = 3.15		Element: Linear PVI 0+81.82 70.03 PVI 0+85.82 70.07 Tangent Grade: 1.00% Tangent Length: 4.00
PC 0+76.12 1845792.90 6279017.52 R = +2.00 DELTA = 90° 11' 04.39" RT L = 3.15		Element: Linear PVI 0+85.82 70.07 PVI 0+93.81 70.71 Tangent Grade: 8.01% Tangent Length: 7.99
PT 0+79.27 1845794.12 6279014.96 STRAIGHT N 19° 26' 41.07" W D = 74.50		Element: Linear PVI 0+93.81 70.71 PVI 1+04.94 71.13 Tangent Grade: 0.87% Tangent Length: 48.13
POE 1+53.77 1845864.37 6278990.16		Element: Linear PVI 1+04.94 71.13 POE 1+53.77 70.63 Tangent Grade: -4.23% Tangent Length: 11.83



MATCHLINE SEE BELOW

CONSTRUCTION NOTES

- 1 CONSTRUCT CONTIGUOUS SIDEWALK PER CITY OF SAN DIEGO STANDARD DRAWING SDG-155 AND DETAIL AS SHOWN ON PLAN.
- 2 INSTALL TYPE C1 RAMP SINGLE FLARE NORTH RETAINING CURB SOUTH PER SAN DIEGO STANDARD DRAWING SDG-135
- 3 CONSTRUCT 8' WIDE RETAINING CURB AND INSTALL PROTECTIVE RAILING - TYPE A PER SAN DIEGO STANDARD DRAWING SDG-140 BETWEEN STATION LIMITS 0+57.43 AND 0+69.42
- 4 CONSTRUCT TYPE H CURB & GUTTER PER CITY OF SAN DIEGO STANDARD DRAWINGS SDG-151.
- 5 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 6 PAINT MEDIAN NOSE YELLOW.



MATCHLINE SEE ABOVE

TOPOGRAPHY SOURCE
BASED ON FIELD SURVEY PERFORMED BY C.PILKINTON ON JUN 20, 2018. WORK ORDER NO. B-17114.

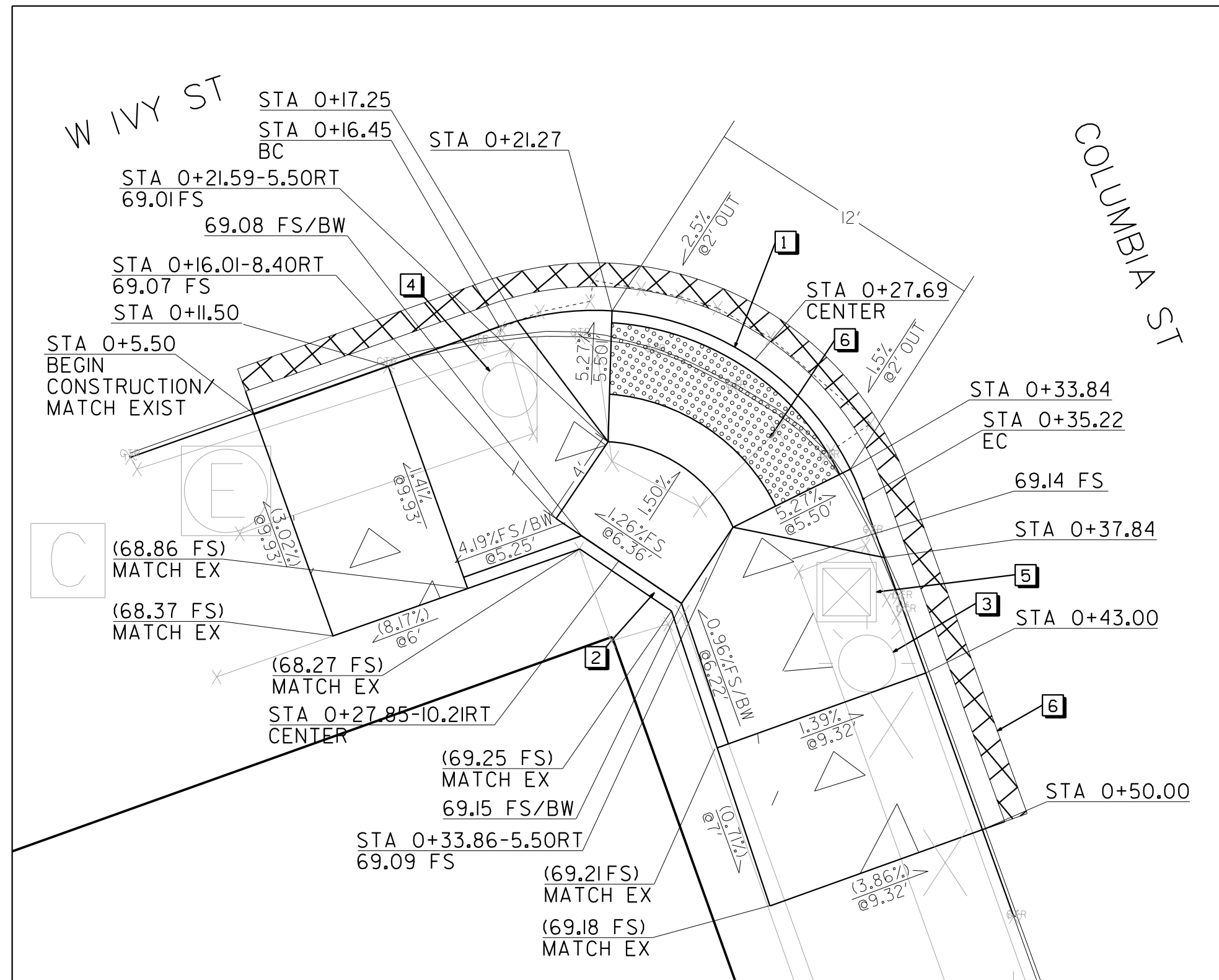
BENCHMARK
SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT#50) ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES
DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F. S.14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND CHECKING GPS 17 (PT#20017), I.E. N04° 04'52"W.

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**CURB RAMP IMPROVEMENT GROUP 1701
ISLAND DETAIL
COLUMBIA ST AND IVY ST - ISLAND**

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 27 OF 57 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER CHRIS DARQUEA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	CD	DATE
		FILMED
		202-1713
		CCS27 COORDINATE
		6274407-1842444
		CCS83 COORDINATE
CONTRACTOR	DATE STARTED	40677-27-D
INSPECTOR	DATE COMPLETED	



SW CORNER MODIFIED TYPE "A" CURB RAMP
SCALE: 1"=5'

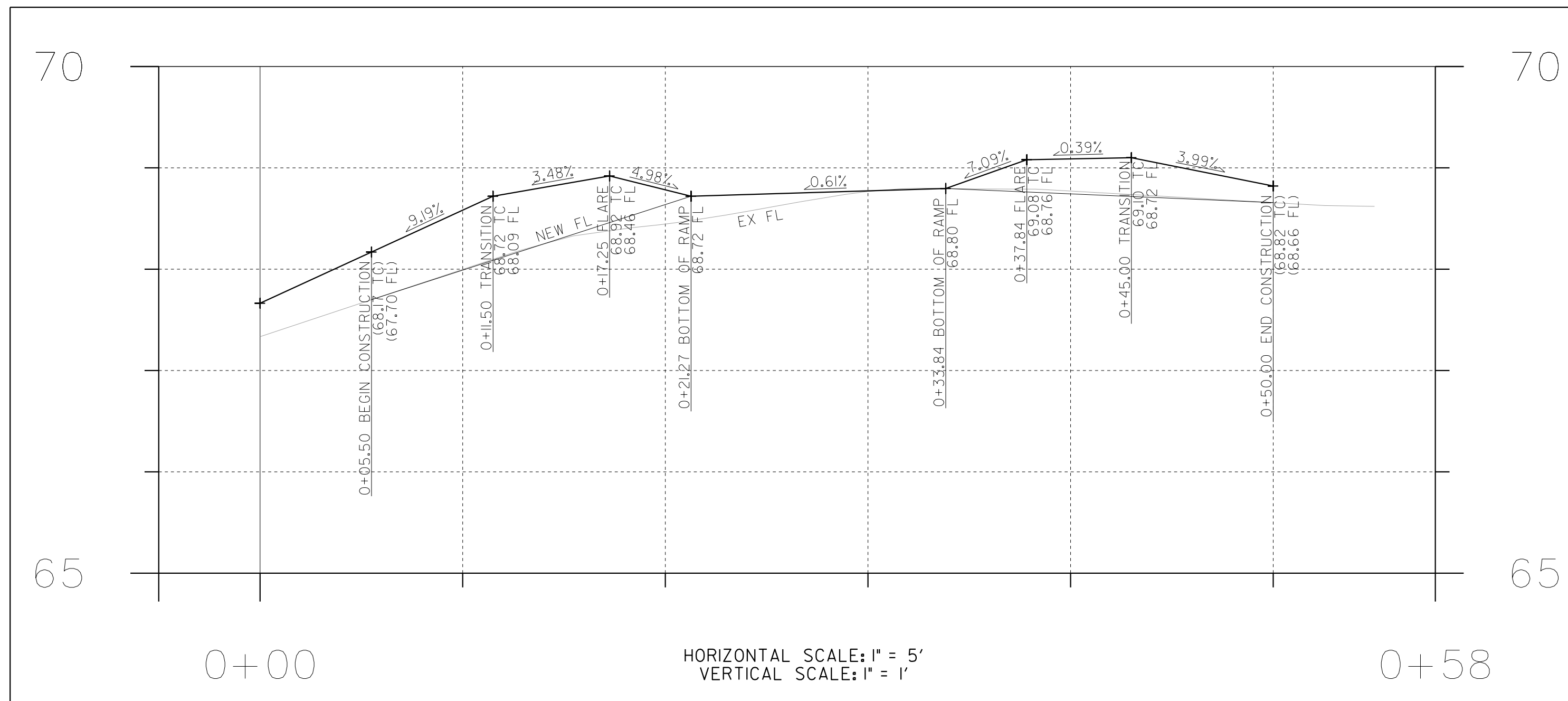
CONSTRUCTION NOTES

- 1 CONSTRUCT MODIFIED TYPE 'A' CURB RAMP PER DETAIL AND CALTRANS STANDARD DRAWINGS FOR CURB RAMP IN CALTRANS RIGHT-OF-WAY.
- 2 CONSTRUCT 6' WIDE RETAINING CURB.
- 3 PROTECT EXISTING STREET LIGHT POLE IN PLACE.
- 4 PROTECT EXISTING SIGN AND POLE IN PLACE.
- 5 ADJUST EXISTING TRASH RECEPTACLE OUT OF THE NEW FLARE.
- 6 SAWCUT 1' FROM THE LIP OF GUTTER, AC PATCH TO MATCH GRADE.
- 7 FURNISH AND INSTALL COMPOSITE DETECTABLE WARNING TILE TRIMMED RADIAL TO THE CURB RETURN.

CURB ALIGNMENT DATA

COLUMBIA ST & W IVY ST	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: SW Station Northing Easting Element: Linear POB () 0+00.00 1845725.12 6278988.96 PC () 0+16.45 1845730.61 6279004.46 Tangential Direction: N 70° 29' 59" E Tangential Length: 16.45 Element: Circular PC () 0+16.45 1845730.61 6279004.46 PI () 0+28.37 1845734.59 6279015.70 CC () 1845719.29 6279008.46 PT () 0+35.22 1845723.37 6279019.75 Radius: 12.00 Delta: 89° 39' 05" Right Length: 18.78 Element: Linear PT () 0+35.22 1845723.37 6279019.75 POE () 0+53.88 1845705.82 6279026.09 Tangential Direction: S 19° 50' 56" E Tangential Length: 18.66	Vertical Alignment: SW_Vert Station Elevation Element: Linear POB 0+00.00 67.66 PVI0+05.50 68.17 Tangent Grade: 9.18% Tangent Length: 5.50 Element: Linear PVI0+05.50 68.17 PVI0+11.50 68.72 Tangent Grade: 9.18% Tangent Length: 6.00 Element: Linear PVI0+11.50 68.72 PVI0+17.25 68.92 Tangent Grade: 3.48% Tangent Length: 5.75 Element: Linear PVI0+17.25 68.92 PVI0+21.27 68.72 Tangent Grade: -4.98% Tangent Length: 4.02 Element: Linear PVI0+21.27 68.72 PVI0+33.84 68.80 Tangent Grade: 0.61% Tangent Length: 12.57 Element: Linear PVI0+33.84 68.80 PVI0+37.84 69.08 Tangent Grade: 7.09% Tangent Length: 4.00 Element: Linear PVI0+37.84 69.08 PVI0+43.00 69.10 Tangent Grade: 0.39% Tangent Length: 5.16 Element: Linear PVI0+43.00 69.10 POE 0+50.00 68.82 Tangent Grade: -3.99% Tangent Length: 7.00

SW RAMP PROFILE AT TC



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

TOPOGRAPHY SOURCE

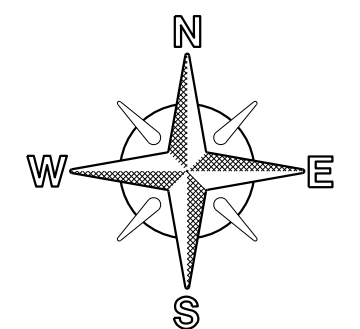
BASED ON FIELD SURVEY PERFORMED BY M. MEYER ON JUNE 20, 2018. WORK ORDER NO. B-17114.

BENCHMARK

SWBP HAWTORN ST & PACIFIC HIGHWAY (PT#50) ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES

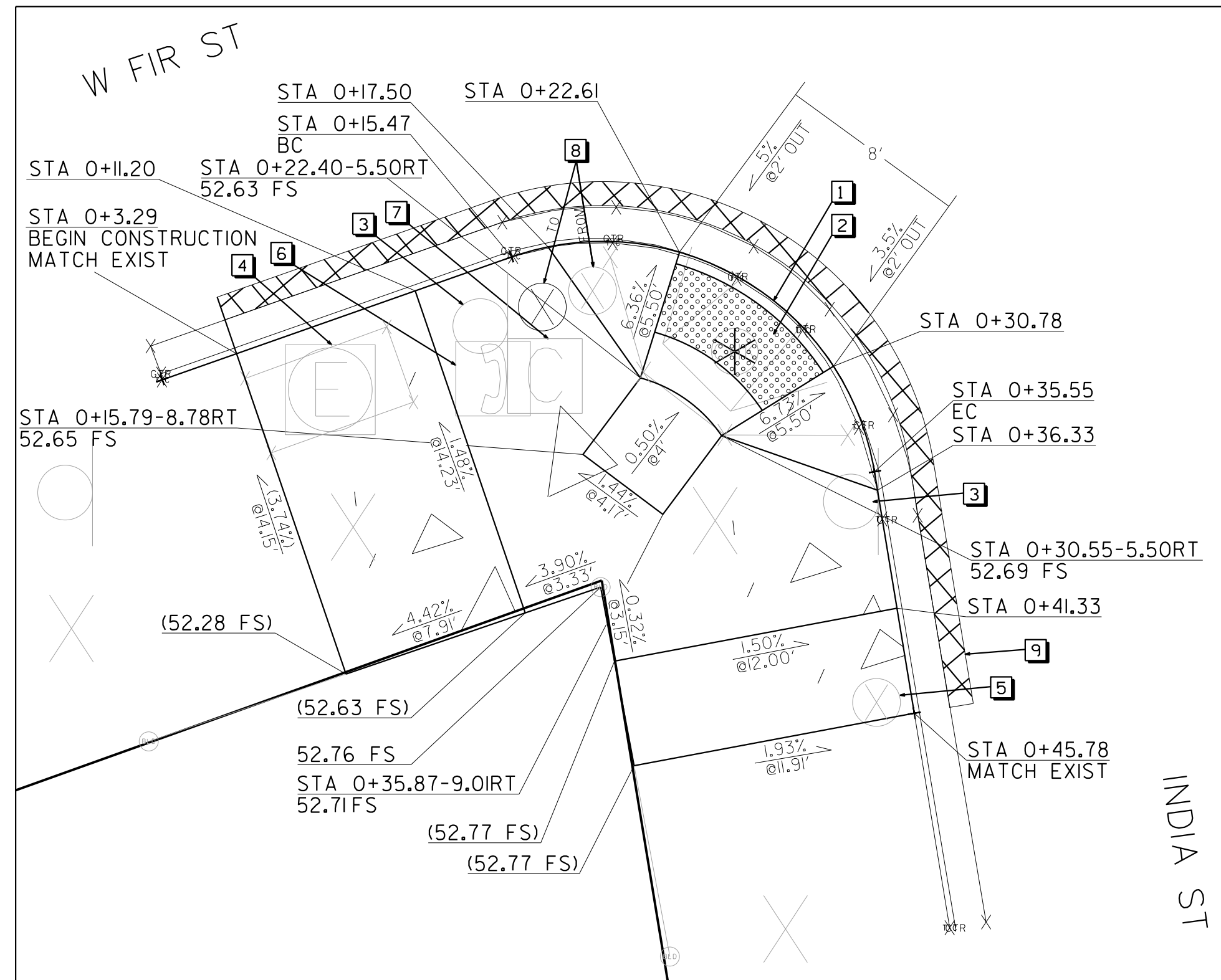
DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND CHECKING GPS 17 (PT#20017), I.E. N04° 04'52"W.



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CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
COLUMBIA ST AND W IVY ST - SWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 28 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYLIE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JINSIL KIM PROJECT ENGINEER 206-1713 CCS27 COORDINATE 1846-6274 CCS83 COORDINATE	CONTRACTOR _____ DATE STARTED _____ INSPECTOR _____ DATE COMPLETED _____
		40677-28-D



SW CORNER MODIFIED TYPE "A" CURB RAMP
SCALE: 1"=5'

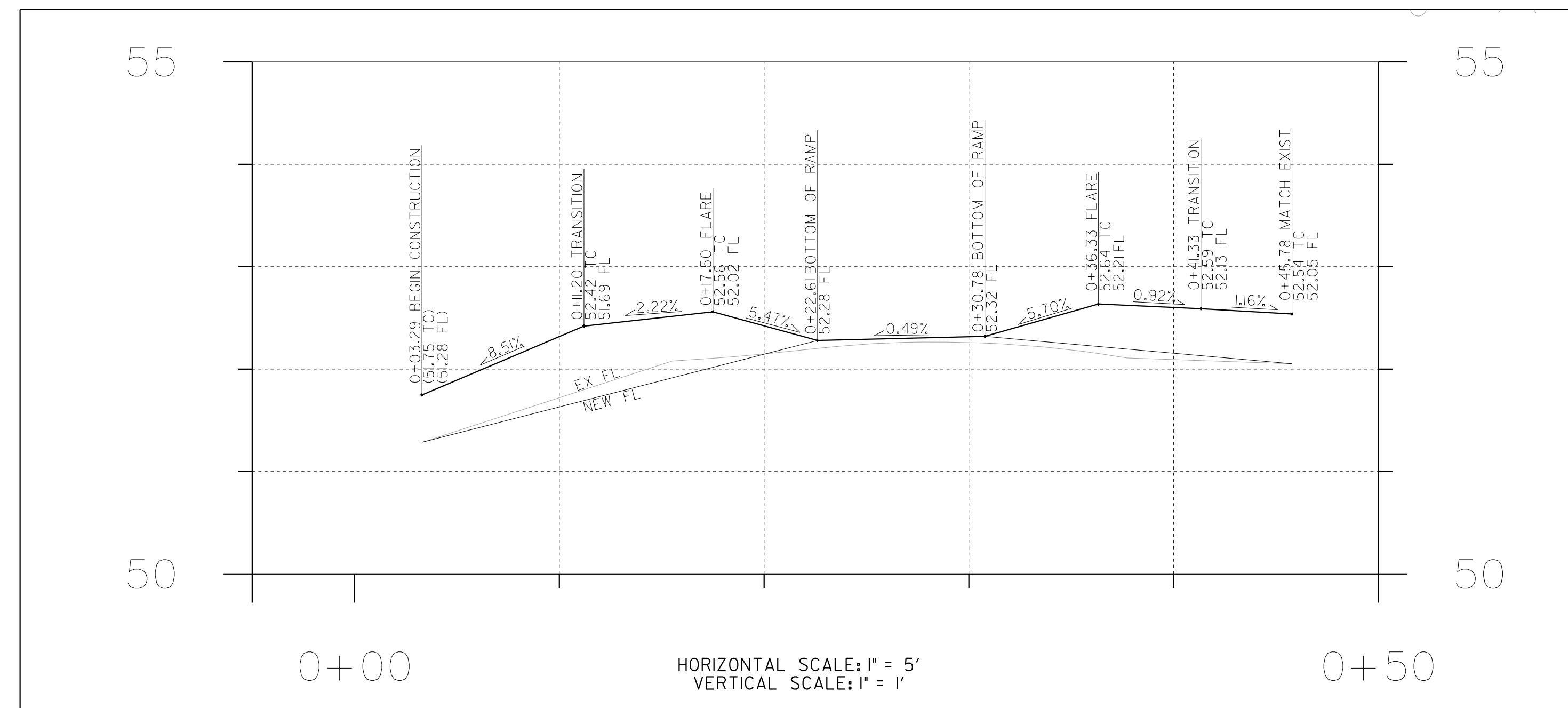
CONSTRUCTION NOTES

- 1 CONSTRUCT MODIFIED TYPE 'A' CURB RAMP PER DETAIL.
- 2 FURNISH AND INSTALL COMPOSITE DETECTABLE WARNING TILE TRIMMED RADIAL TO THE CURB RETURN.
- 3 PROTECT EXISTING SIGN AND POLE IN PLACE.
- 4 ADJUST EXISTING ELECTRICAL BOX TO GRADE.
- 5 PROTECT EXISTING POLE IN PLACE.
- 6 PROTECT EXISTING TELECOMMUNICATION BOX IN PLACE.
- 7 PROTECT EXISTING CABLE BOX IN PLACE.
- 8 REMOVE AND RELOCATE EXISTING LANDSCAPE OUT OF THE FALRE OF NEW RAMP.
- 9 SAWCUT 1' FROM THE LIP OF GUTTER UNLESS SHOWN OTHERWISE. AC PATCH TO MATCH GRADE.

CURB ALIGNMENT DATA

INDIA ST & W FIR ST	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: SW Station Northing Easting Element: Linear PI () 0+00.00 1844558.01 6279115.05 BC () 0+15.47 1844563.15 6279129.64 Tangential Direction: N 70° 36' 52" E Tangential Length: 15.47 Element: Circular BC () 0+15.47 1844563.15 6279129.64 PI () 0+29.18 1844567.70 6279142.58 CC () 1844552.30 6279133.46 EC () 0+35.55 1844554.17 6279144.81 Radius: 11.50 Delta: 100° 0' 24" Right Length: 20.08 Element: Linear EC () 0+35.55 1844554.17 6279144.81 PI () 0+45.78 1844544.07 6279146.47 Tangential Direction: S 9° 21' 44" E Tangential Length: 10.23	Vertical Alignment: SW_Vertical Station Elevation Element: Linear PVI 0+03.29 51.75 PVI 0+11.20 52.42 Tangent Grade: 8.51% Tangent Length: 7.91 Element: Linear PVI 0+11.20 52.42 PVI 0+17.50 52.56 Tangent Grade: 2.21% Tangent Length: 6.30 Element: Linear PVI 0+17.50 52.56 PVI 0+22.61 52.28 Tangent Grade: -5.47% Tangent Length: 5.11 Element: Linear PVI 0+22.61 52.28 PVI 0+30.78 52.32 Tangent Grade: 0.49% Tangent Length: 8.17 Element: Linear PVI 0+30.78 52.32 PVI 0+36.33 52.64 Tangent Grade: 5.70% Tangent Length: 5.55 Element: Linear PVI 0+36.33 52.64 PVI 0+41.33 52.59 Tangent Grade: -0.92% Tangent Length: 5.00 Element: Linear PVI 0+41.33 52.59 PVI 0+45.78 52.54 Tangent Grade: -1.16% Tangent Length: 4.45

SW RAMP PROFILE AT TC



TOPOGRAPHY SOURCE

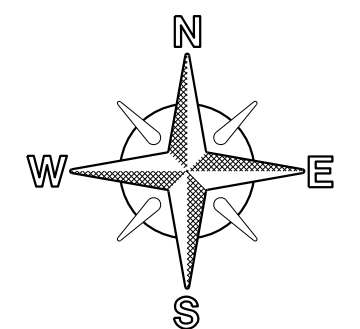
BASED ON FIELD SURVEY PERFORMED BY M. MEYER ON MARCH 2, 2021. WORK ORDER NO. B-17114.

BENCHMARK

SWBP HAWTORN ST & PACIFIC HIGHWAY (PT#50) ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS / COORDINATES

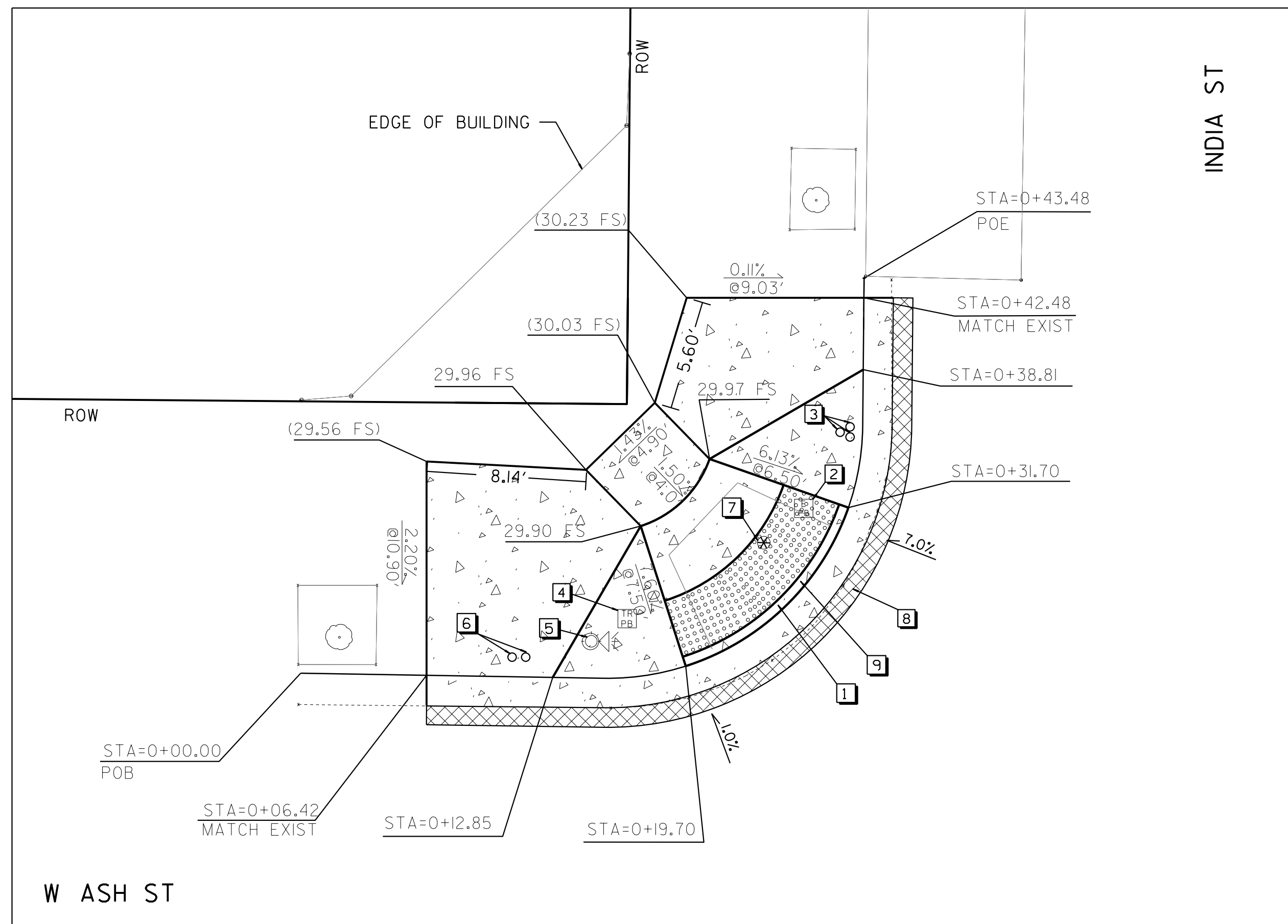
DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND CHECKING GPS 17 (PT#20017), I.E. N04° 04'52"W.



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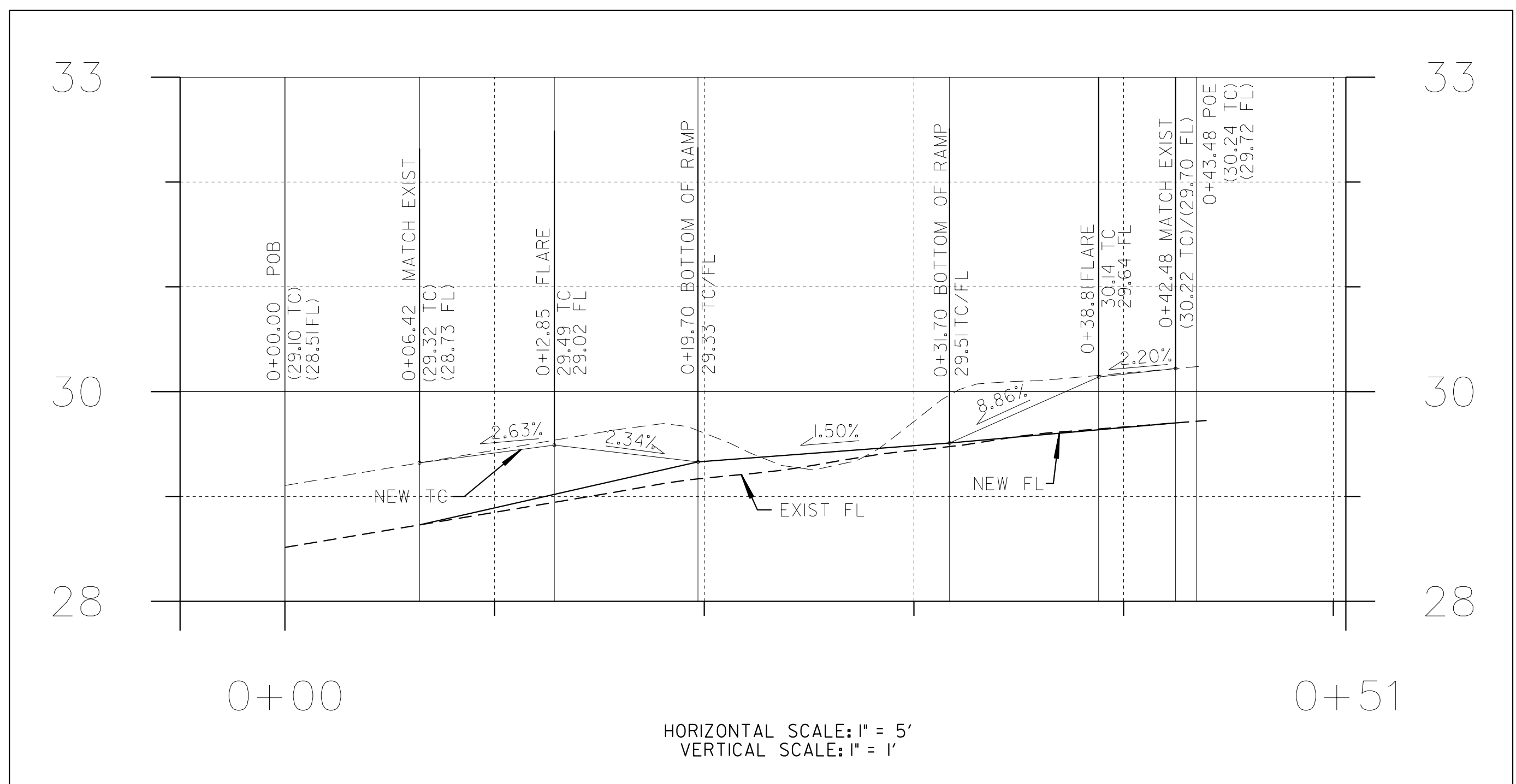
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
INDIA ST AND W FIR ST – SWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 29 OF 75 SHEETS		WBS# B-17114										
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYLIE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JINSIL KIM PROJECT ENGINEER	206-1713 CCS27 COORDINATE 1846-6274 CCS83 COORDINATE										
<table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>BY</th> <th>APPROVED</th> <th>DATE</th> <th>FILMED</th> </tr> </thead> <tbody> <tr> <td>ORIGINAL</td> <td>JK</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	DESCRIPTION	BY	APPROVED	DATE	FILMED	ORIGINAL	JK				CONTRACTOR _____ DATE STARTED _____ INSPECTOR _____ DATE COMPLETED _____	40677-29-D
DESCRIPTION	BY	APPROVED	DATE	FILMED								
ORIGINAL	JK											



NW CORNER TYPE A RAMP
SCALE: 1"=5'

NW RAMP PROFILE AT TC



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

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 WITH 12' WIDE RAMP OPENING AND DETAIL. USE CAST-IN PLACE REPLACEABLE DWT PER CITY AML TO ACCOMMODATE TRIMMING OF PANELS FOR THE RADIUS CORNER.
- 2 RELOCATE EXIST STREET LIGHT PULL BOX.
- 3 RELOCATE EXIST PLANTERS.
- 4 ADJUST EXIST PULL BOX TO GRADE.
- 5 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 6 PROTECT EXIST RECEPTACLES IN PLACE.
- 7 EXIST SURVEY MONUMENT TO BE PERPETUATED.
- 8 SAWCUT 1' FROM THE LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 9 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETSCAPE MANUAL (CCSM) FOR "CCDC BRICK PAVING" SIDEWALK PATTERN AND TREATMENT.

CURB ALIGNMENT DATA:

ASH AND INDIA - NWC
HORIZONTAL ALIGNMENT
Alignment: ASH AND INDIA - NWC
POINT STATION NORTHING (Y) EASTING (X) ELEMENT BRG/DELTA DIST/LENGTH
POB 0+00.00 1842967.92 6279177.88 STRAIGHT S 89° 02'34" E D = 15.44
PC 0+15.44 1842967.66 6279193.31 R = -13.00 DELTA = 90° 25'38" LT L = 20.52
PT 0+35.95 1842980.54 6279206.53 STRAIGHT N 0° 31'48" E D = 7.52
POE 0+43.48 1842988.06 6279206.60

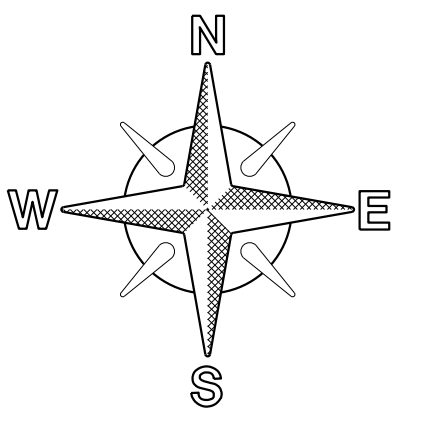
FIELD DATA

TOPOGRAPHY SOURCE:
 BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON FEBRUARY 26, 2021, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 SITE 3 (VIC: INDIA ST AND W ASH ST)

REFERENCES:
 SUBDIVISION MAP: MIDDLETON MAP
 PARCEL MAP: 19613
 RECORD OF SURVEY: 8926
 CORNER RECORD: 171, 223, 1662, 6182, 18318, 25081

BASIS OF BEARINGS/COORDINATES:
 THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F S.14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 17 (PT# 20017), I.E. N 04° 04'52" W.

BENCHMARK:
 SWBP HAWTHORN ST & PACIFIC HWY (PT# 50)
 ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK

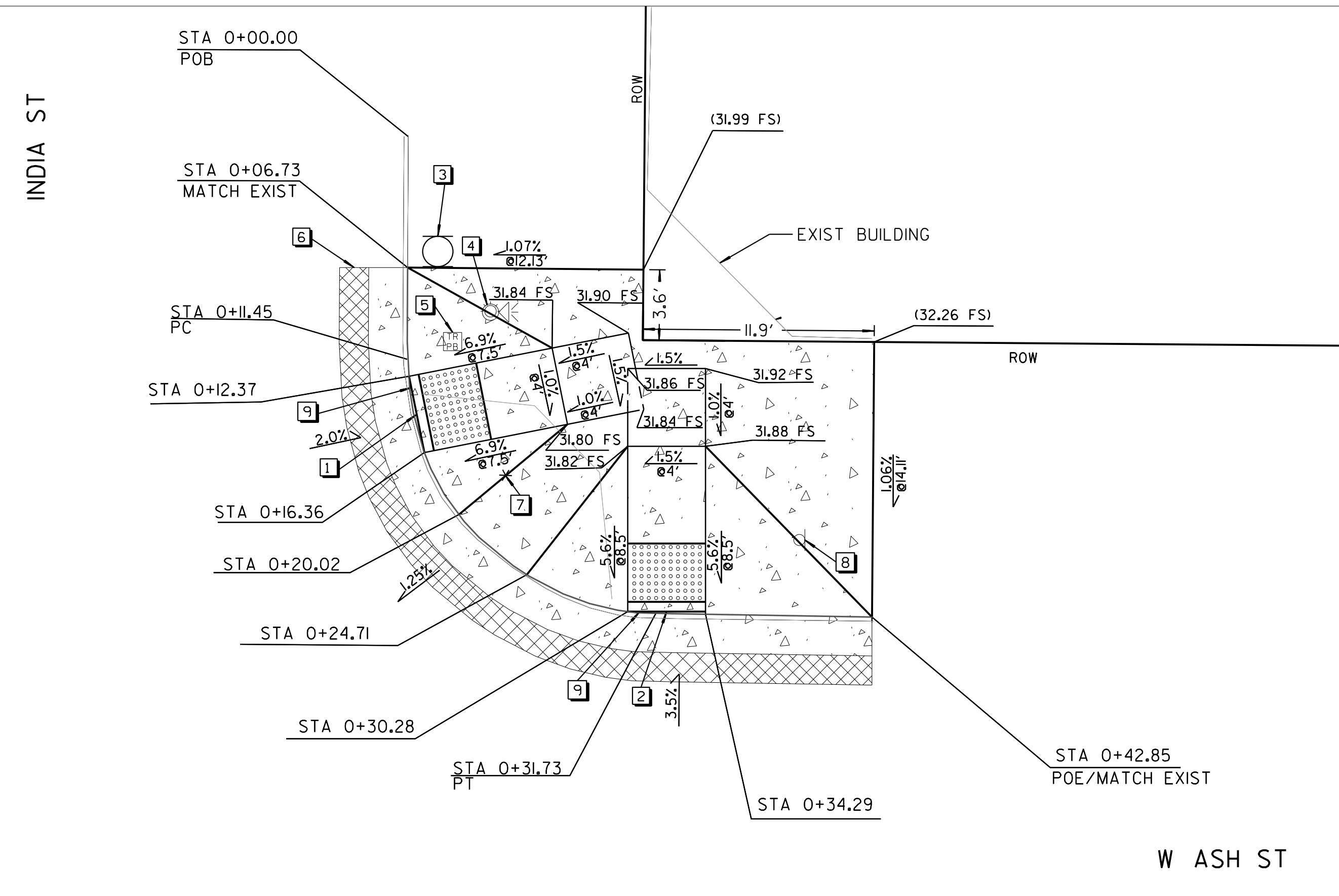


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**CURB RAMP IMPROVEMENT GROUP 1701
 CURB RAMP DETAIL
 ASH ST AND INDIA ST - NWC**

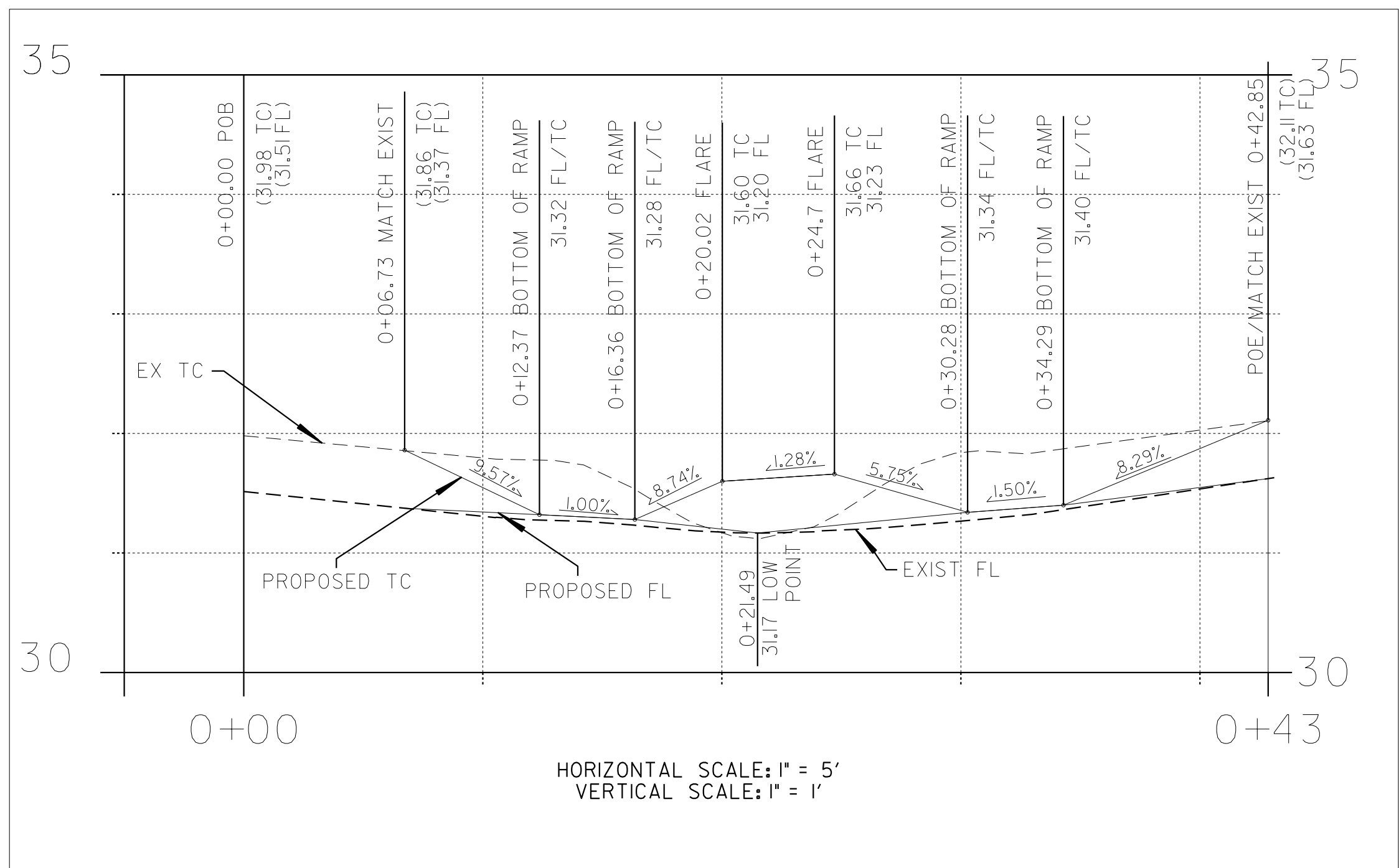
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 30 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER
DESCRIPTION	BY	APPROVED
ORIGINAL	JM	
		DATE
		FILMED
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED
		202-1713 CCS27 COORDINATE
		6274407-1842444 CCS83 COORDINATE
		40677-30-D

CURB RAMP DETAIL



NE CORNER TYPE A AND TYPE B RAMPS
SCALE: 1"=5'

NE RAMPS PROFILE AT TC



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

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE 'A' CURB RAMP PER SDG-132 AND DETAIL.
- 2 CONSTRUCT TYPE 'B' CURB RAMP PER SDG-133 AND DETAIL.
- 3 PROTECT EXIST FIRE HYDRANT IN PLACE.
- 4 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 5 ADJUST EXIST PULL BOX TO GRADE.
- 6 SAWCUT 1' FROM THE LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 7 EXIST SURVEY MONUMENT TO BE PERPETUATED.
- 8 PROTECT EXIST SIGN AND POST IN PLACE.
- 9 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETSCAPE MANUAL (CCSM) FOR 'CCDC BRICK PAVING' SIDEWALK PATTERN AND TREATMENT.

CURB ALIGNMENT DATA:

ASH AND INDIA - NEC					
HORIZONTAL ALIGNMENT					
Alignment: ASH AND INDIA - NEC					
POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB 0+00.00	1842991.50	6279257.45	STRAIGHT	S 0° 18' 06" W	D = 11.45
PC 0+11.45	1842980.04	6279257.39	R	= -13.00 DELTA = 89° 20' 52" LT	L = 20.27
PT 0+31.73	1842966.97	6279270.17	STRAIGHT	S 89° 02' 47" E	D = 11.13
POE 0+42.85	1842966.79	6279281.29			

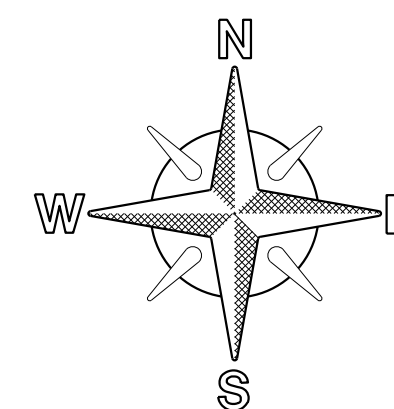
FIELD DATA

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON FEBRUARY 26, 2021, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 SITE 3 (VIC: INDIA ST AND W ASH ST)

REFERENCES:
SUBDIVISION MAP: MIDDLETON MAP
PARCEL MAP: 19613
RECORD OF SURVEY: 8926
CORNER RECORD: 171, 223, 1662, 6182, 18318, 25081

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 17 (PT# 20017), I.E. N 04° 04' 52" W.

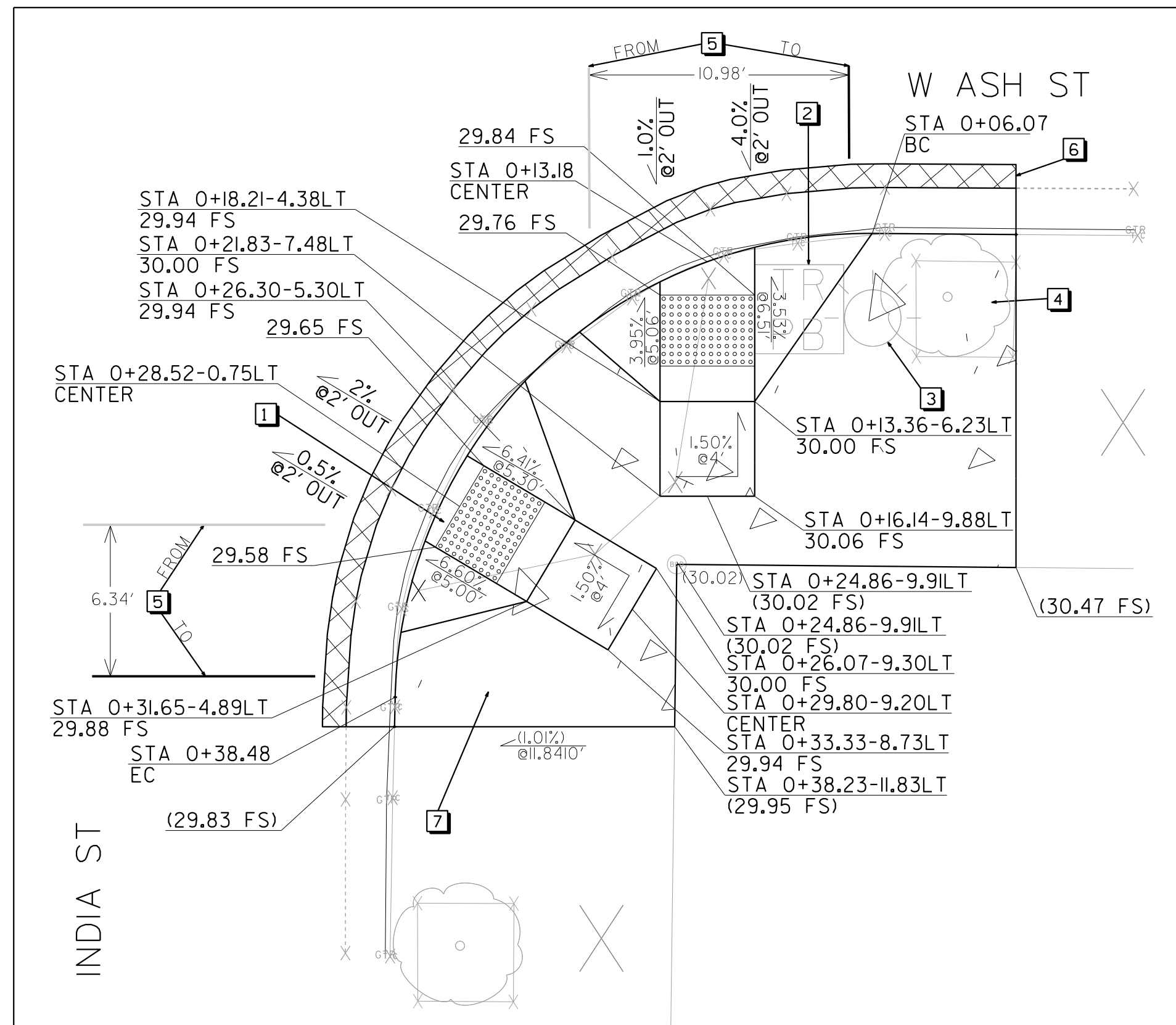
BENCHMARK:
SWBP HAWTHORN ST & PACIFIC HWY (PT# 50)
ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK



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**CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
ASH ST AND INDIA ST - NEC**

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 31 OF 75 SHEETS			WBS#	B-17114
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYUE ZHANG _____ C70971 _____ PRINT DCE NAME _____ RCE# _____			SUBMITTED BY: AVEEN SALEH PROJECT MANAGER	
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	JM			
			JWAN MUF TI PROJECT ENGINEER	
			202-1713 CCS27 COORDINATE	
			6274407-1842444 CCS83 COORDINATE	
CONTRACTOR _____			DATE STARTED _____	
INSPECTOR _____			DATE COMPLETED _____	
			40677-31-D	



CONSTRUCTION NOTES

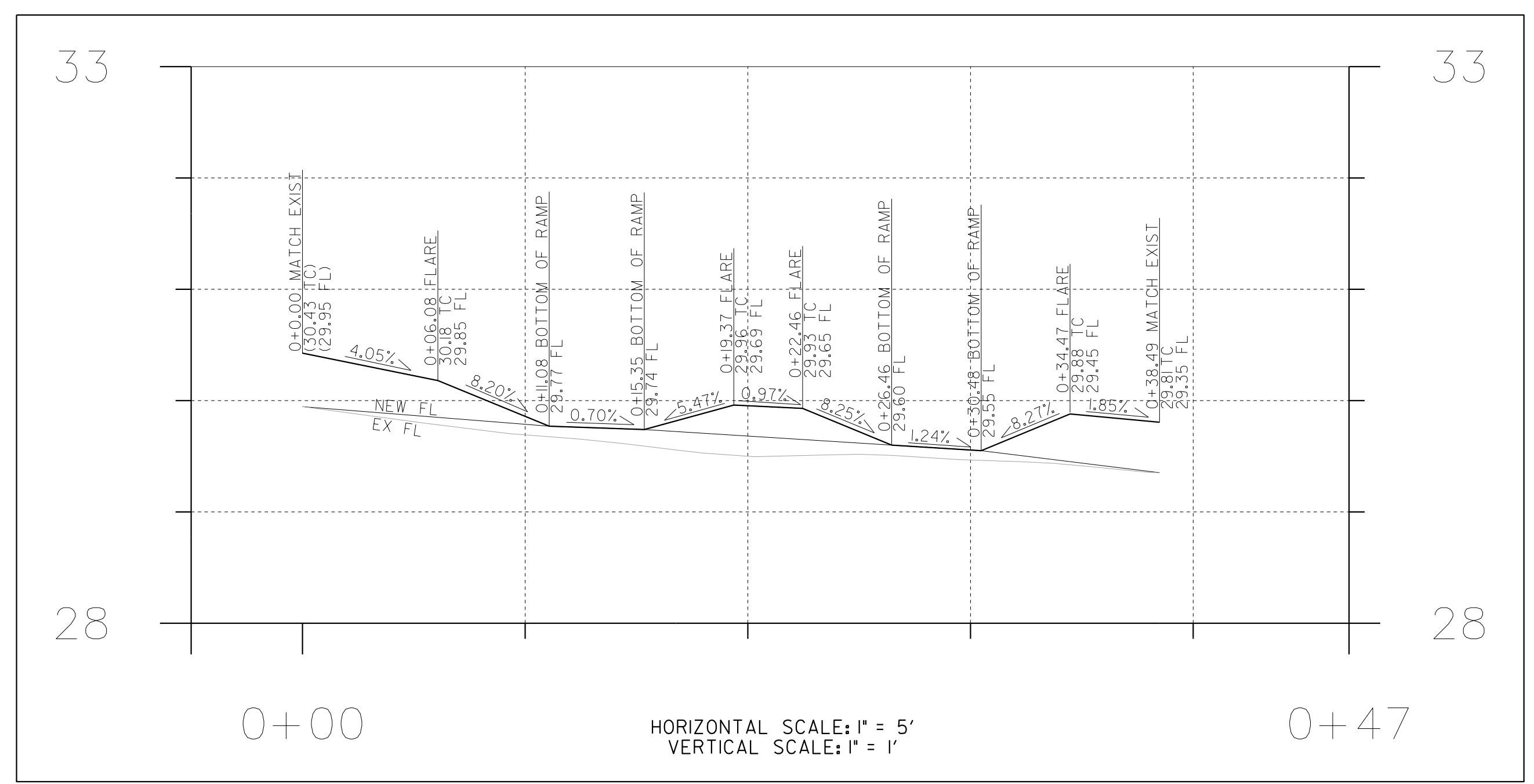
- 1 CONSTRUCT DUAL TYPE 'A' CURB RAMPS PER DETAIL, INSTALL DETECTABLE WARNING TILES PER NOTE 25 ON CITY OF SAN DIEGO STANDARD DRAWINGS SDG-131.
- 2 ADJUST EXISTING PULL BOX TO GRADE.
- 3 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE.
- 4 PROTECT EXISTING LANDSCAPE IN PLACE.
- 5 RELOCATE EXISTING THERMOPLASTIC LIMIT LINE PER SDM-116.
- 6 SAWCUT 1' FROM THE LIP OF GUTTER, AC PATCH TO MATCH GRADE.
- 7 SPECIAL SIDEWALK PAVING COLUMBIA - CCDC STANDARD PAVING REQUIRED PER CENTERE CITY STREETSCAPE MANUAL.

CURB ALIGNMENT DATA
INDIA ST & W ASH ST - SOUTHEAST CORNER

HORIZONTAL ALIGNMENT		VERTICAL ALIGNMENT	
Alignment Name: SE	Station Northing Easting	Vertical Alignment: SE_Vert	Station Elevation
Element: Linear	POB () 0+00.00 1842914.91 6279283.13	Element: Linear	PVI0+22.46 29.93 PVI0+26.46 29.60
PC () 0+06.07 1842914.96 6279277.06	Tangential Direction: N 89° 33' 18" W	POB 0+00.00 30.43 PVI0+06.08 30.18	Tangent Grade: -8.25%
Tangential Length: 6.07		Tangent Grade: -4.05%	Tangent Length: 4.00
Element: Circular	PC () 0+06.07 1842914.96 6279277.06	Element: Linear	PVI0+26.46 29.60 PVI0+30.48 29.55
POB () 0+00.00 1842914.91 6279283.13	PI () 0+25.81 1842915.11 6279257.31	PVI0+06.08 30.18 PVI0+11.08 29.77	Tangent Grade: -1.24%
CC () 1842894.96 6279276.90	PT () 0+37.23 1842895.37 6279256.90	Tangent Grade: -8.20%	Tangent Length: 4.02
Radius: 20.00	Delta: 89° 15' 41" Left	Element: Linear	PVI0+30.48 29.55 PVI0+34.47 29.88
Length: 31.16		PVI0+11.08 29.77 PVI0+15.35 29.74	Tangent Grade: 8.27%
Element: Linear	PT () 0+37.23 1842895.37 6279256.90	Tangent Grade: -0.70%	Tangent Length: 3.99
POE () 0+38.48 1842894.12 6279256.88	Tangential Direction: S 1° 11' 0" W	Element: Linear	PVI0+34.47 29.88 POE 0+38.49 29.81
Tangential Length: 1.25		PVI0+15.35 29.74 PVI0+19.37 29.96	Tangent Grade: -1.85%
		Tangent Grade: 5.47%	Tangent Length: 4.02
		Element: Linear	PVI0+19.37 29.96 PVI0+22.46 29.93
		Tangent Grade: -0.97%	Tangent Length: 3.09

SE CORNER DUAL TYPE "A" CURB RAMPS
SCALE: 1"=5'

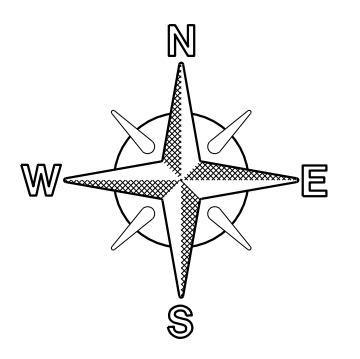
SE RAMPS PROFILE AT TC



TOPOGRAPHY SOURCE
BASED ON FIELD SURVEY PERFORMED BY M. MEYER ON FEBRUARY 26, 2021. WORK ORDER NO. B-17114.

BENCHMARK
SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT#50) ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES
DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS I73, AND GPS I7 (PT#20017), I.E. NO4° 04'52"W.

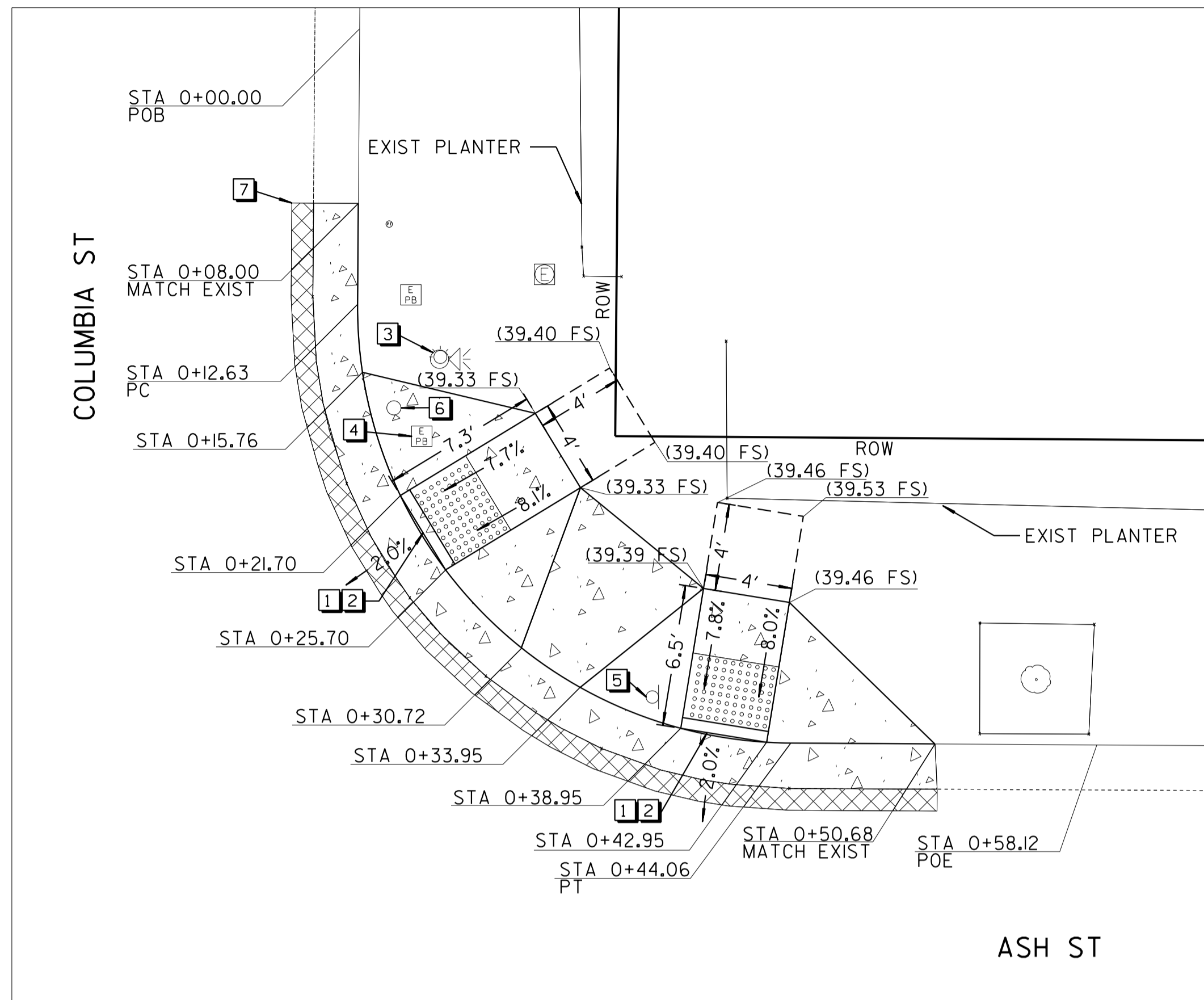


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CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
INDIA AND W ASH ST - SEC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 32 OF 75 SHEETS		WBS#	B-17114
APPROVED:	DATE:	SUBMITTED BY:	AVEEN SALEH PROJECT MANAGER
FOR CITY ENGINEER	DATE	PROJECT ENGINEER	JINSIL KIM
DAYLIE ZHANG	C70971	PROJECT ENGINEER	206-1713
PRINT DCE NAME	RCE#	COORDINATE	CCS27 COORDINATE
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	JK		
CONTRACTOR	DATE STARTED		
INSPECTOR	DATE COMPLETED		
			40677-32-D

CURB RAMP DETAIL



ASH ST AND COLUMBIA ST NE CORNER DUAL RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132, SDG-134 AND DETAIL.
- 2 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETSCAPE MANUAL (CCSM) FOR "CCDC BRICK PAVING" SIDEWALK PATTERN AND TREATMENT.
- 3 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 4 PROTECT EXIST UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 5 REMOVE AND REINSTALL SIGN POST AND SIGN PER SDM-104.
- 6 EXIST SURVEY MONUMENT TO BE PERPETUATED.
- 7 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE.

CURB ALIGNMENT DATA:

ASH ST AND COLUMBIA ST-NORTHEAST CORNER					
HORIZONTAL ALIGNMENT					
Alignment: NEC Ash and Columbia TC Proposed					
POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA	DIST/LENGTH
POB 0+00.00	1842997.57	6279532.36	STRAIGHT	3.15 D = 12.63	
PC 0+12.63	1842984.95	6279532.28	R = -20.00	DELTA = 1.57	LT L = 31.43
PT 0+44.06	1842964.81	6279552.16	STRAIGHT	1.58 D = 14.06	
POE 0+58.12	1842964.73	6279566.22			

FIELD DATA:

TOPOGRAPHY SOURCE:

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON FEBRUARY 02, 2021, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 SITE 4.

REFERENCES:

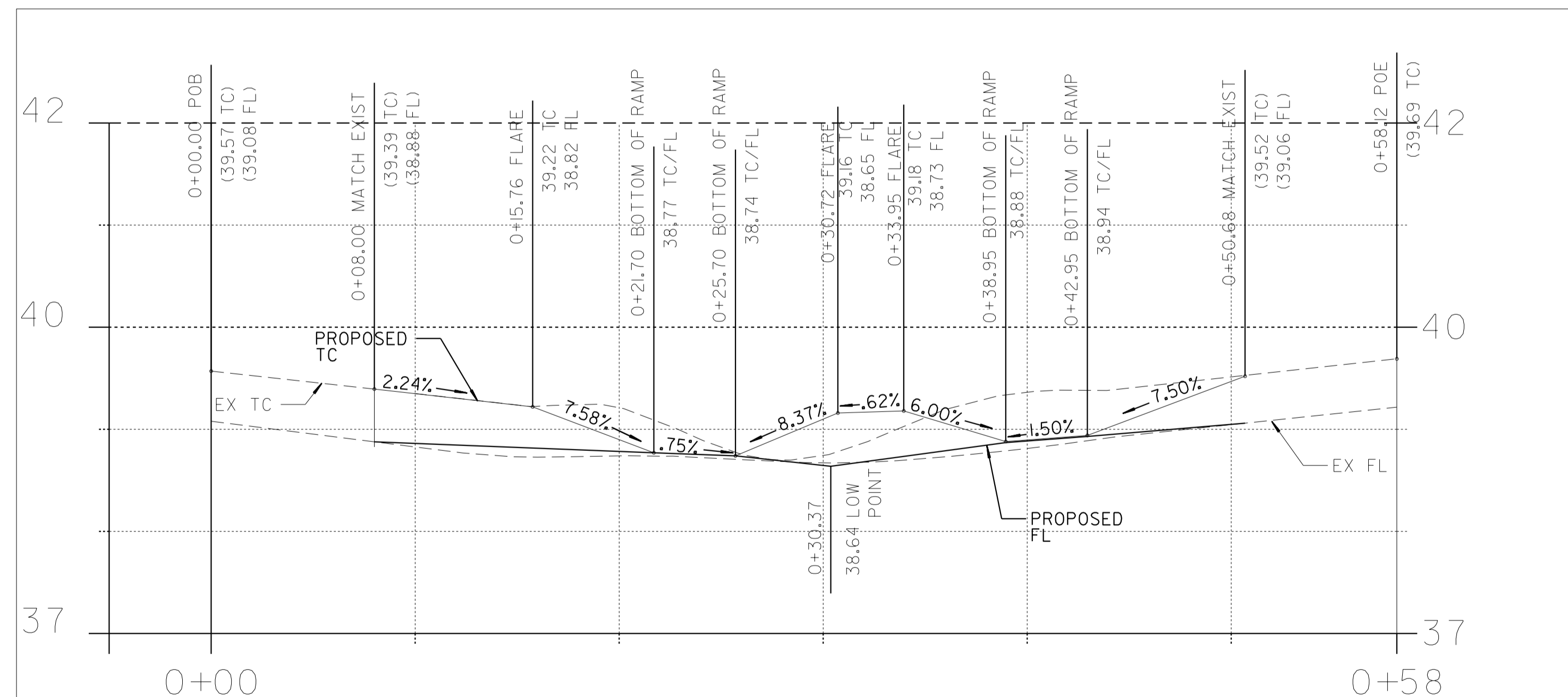
- SUBDIVISION MAP MIDDLETON MAP
- PARCEL MAP 19501
- RECORD OF SURVEY 8926, 23533, 23640
- CORNER RECORD 25081, 29898, 35452, 37209, 38685, 45651

BASIS OF BEARINGS/COORDINATES:

The Basis of Bearings for this project was derived from a previous STATIC GPS Survey using R.of S.14492 NAD 83 feet, Zone 6 (epoch 1991.35), utilizing RTK/GPS field procedures with a CALVRS Base Station broadcast of 2018 and constraining to GPS I73 AND GPS I7 (PT #20017), I.E. N 4° 04'52" W,

BENCH:

SWBP HAWTHORN/PACIFIC HIGHWAY (PT #50)
Elev. 14.239 MSL, Based on NGVD 29 FEET as shown in the City of San Diego Bench Book



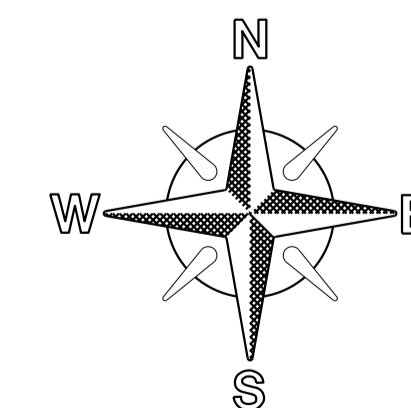
PROFILE AT TC
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

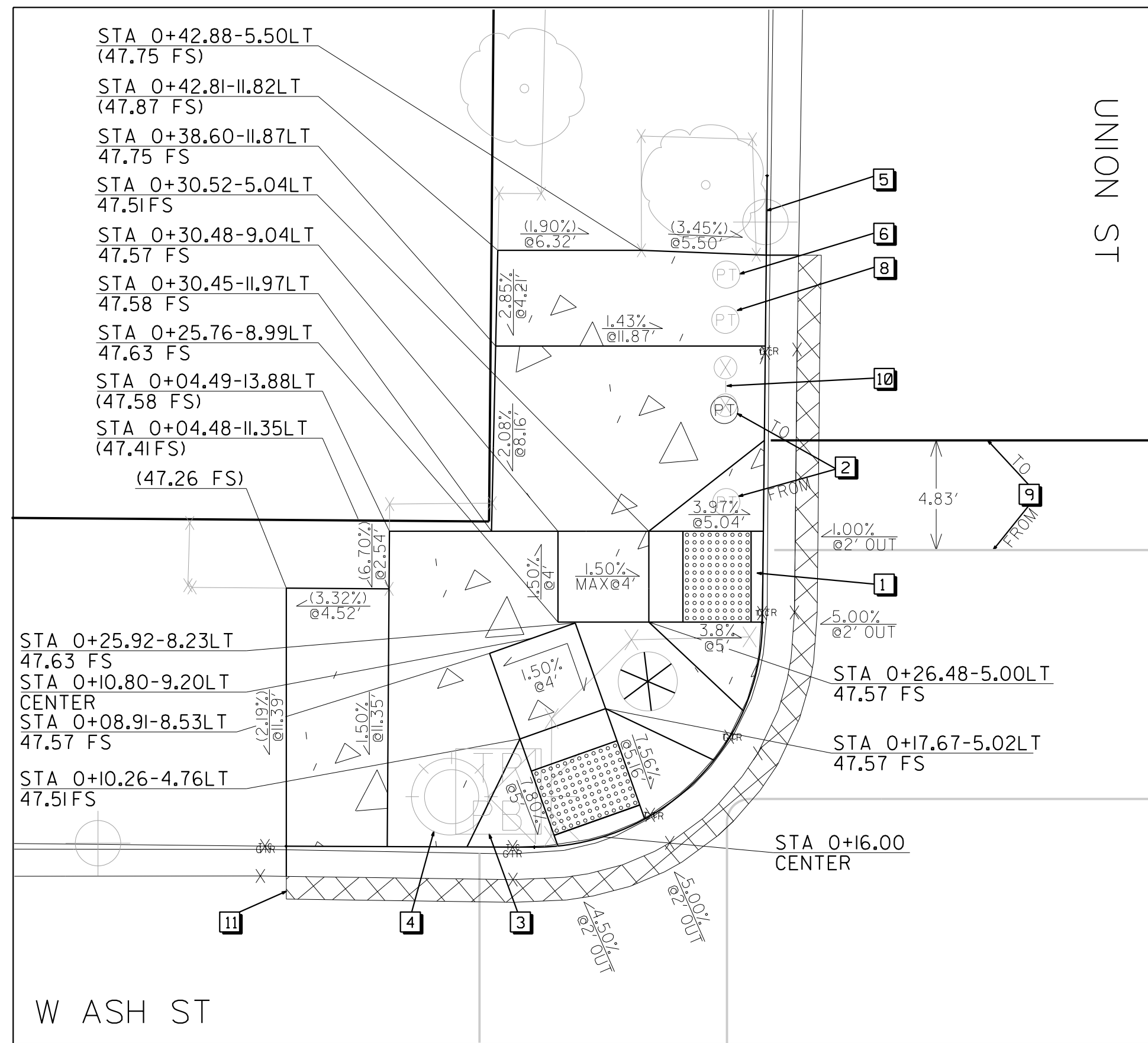
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**CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
ASH ST AND COLUMBIA ST - NEC**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS
SHEET 33 OF 75 SHEETS

APPROVED:		DATE		SUBMITTED BY:	
FOR CITY ENGINEER		DATE		AVEEN SALEH	
DAYUE ZHANG		C70971		PROJECT MANAGER	
PRINT DCE NAME		RCE#		CHRIS DARQUEA	
DESCRIPTION		BY	APPROVED	DATE	FILMED
ORIGINAL		CD			
CONTRACTOR		DATE STARTED		40677-33-D	
INSPECTOR		DATE COMPLETED			





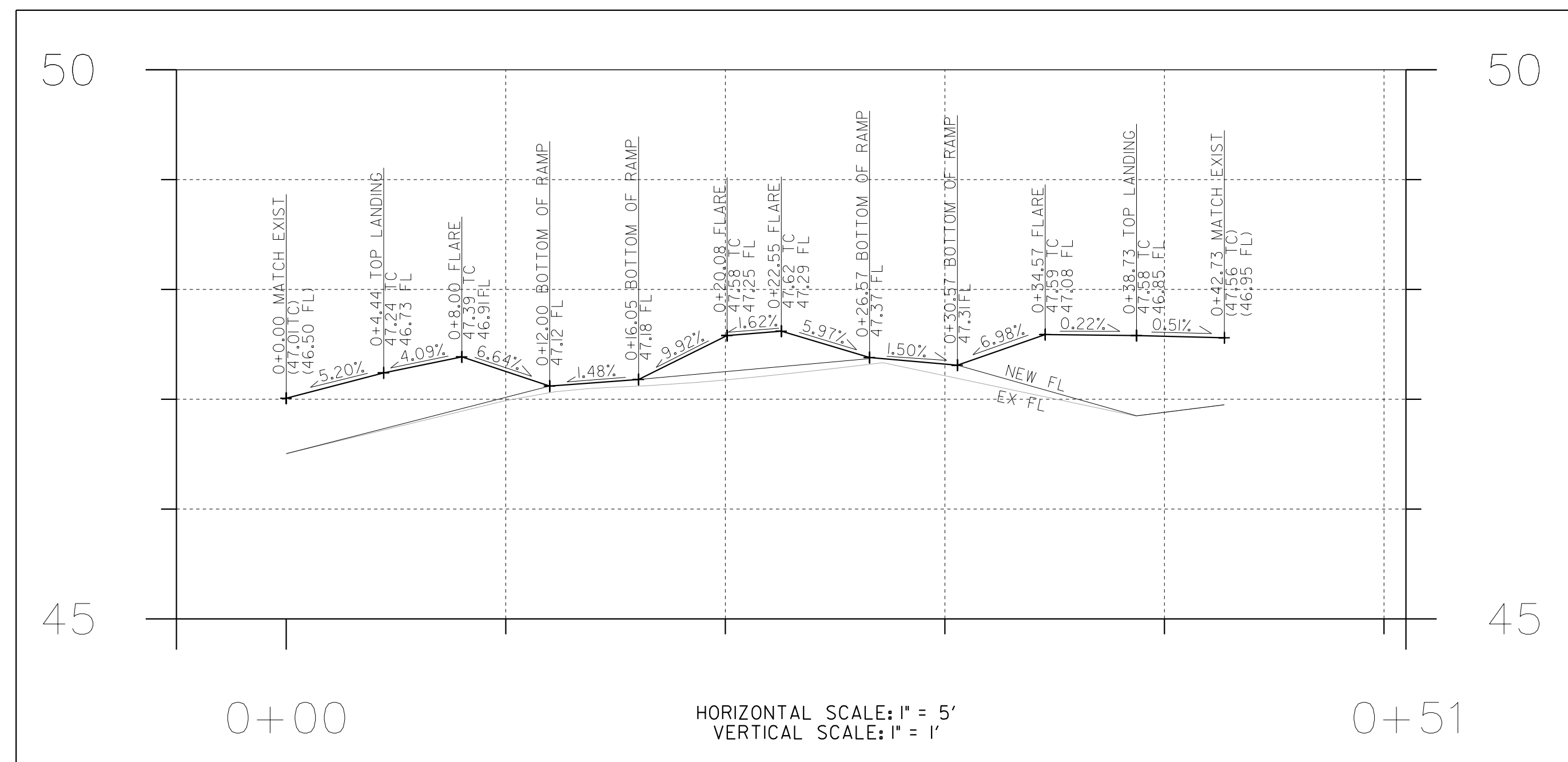
CONSTRUCTION NOTES

- 1 CONSTRUCT DUAL TYPE 'A' CURB RAMPS PER DETAIL.
- 2 RELOCATE EXISTING TRASH RECEPTACLES OUT OF THE RAMPS.
- 3 ADJUST EXISTING PULL BOX TO GRADE, PULL BOX TO BE RELOCATED TO OUTSIDE THE RAMP IF IN THE RAMP OPENING.
- 4 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE.
- 5 PROTECT EXISTING STORM DRAIN INLET IN PLACE.
- 6 PROTECT EXISTING PARKING METER IN PLACE.
- 7 PROTECT EXISTING TREE IN PLACE.
- 8 PROTECT EXISTING TRASH RECEPTACLE IN PLACE.
- 9 RELOCATE EXISTING THERMOPLASTIC LIMIT LINE.
- 10 REMOVE EXISTING POST.
- 11 SAWCUT 1' FROM THE LIP OF GUTTER, AC PATCH TO MATCH GRADE.

CURB ALIGNMENT DATA		UNION ST & W ASH ST	
HORIZONTAL ALIGNMENT		VERTICAL ALIGNMENT	
Alignment Name: NW Alignment Station Northing Easting		Vertical Alignment: NW_Vert Station Elevation	
Element: Linear PI () 0+00.00 1842961.16 6280009.88 BC () 0+10.92 1842961.12 6280020.79 Tangential Direction: S 89° 46' 45" E Tangential Length: 10.92		Element: Linear POB 0+00.00 47.01 PVI 0+04.44 47.24 Tangent Grade: 5.20% Tangent Length: 4.44	
Element: Circular BC () 0+10.92 1842961.12 6280020.79 PI () 0+20.85 1842961.08 6280030.72 CC () 1842971.12 6280020.83 EC () 0+26.56 1842971.01 6280030.83 Radius: 10.00 Delta: 89° 36' 43" Left Length: 15.64		Element: Linear PVI 0+04.44 47.24 PVI 0+08.00 47.39 Tangent Grade: 4.09% Tangent Length: 3.56	
Element: Linear EC () 0+26.56 1842971.01 6280030.83 PI () 0+46.23 1842990.68 6280031.04 Tangential Direction: N 0° 36' 31" E Tangential Length: 19.67		Element: Linear PVI 0+08.00 47.39 PVI 0+12.00 47.12 Tangent Grade: -6.64% Tangent Length: 4.00	
		Element: Linear PVI 0+16.05 47.18 PVI 0+20.08 47.58 Tangent Grade: 9.92% Tangent Length: 4.03	
		Element: Linear PVI 0+20.08 47.12 PVI 0+22.55 47.62 Tangent Grade: 1.62% Tangent Length: 2.47	
		Element: Linear PVI 0+22.55 47.62 PVI 0+26.57 47.38 Tangent Grade: -5.97% Tangent Length: 4.02	
		Element: Linear PVI 0+26.57 47.38 PVI 0+30.57 47.31 Tangent Grade: -1.75% Tangent Length: 4.00	
		Element: Linear PVI 0+30.57 47.31 PVI 0+34.57 47.59 Tangent Grade: 6.98% Tangent Length: 4.00	
		Element: Linear PVI 0+34.57 47.59 PVI 0+38.73 47.58 Tangent Grade: -0.22% Tangent Length: 4.16	
		Element: Linear PVI 0+38.73 47.58 POE 0+42.73 47.56 Tangent Grade: -0.51% Tangent Length: 4.00	

NW CORNER DUAL TYPE "A" CURB RAMPS
SCALE: 1"=5'

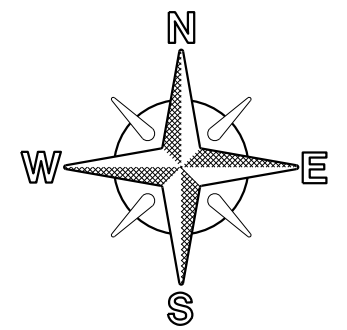
NW RAMPS PROFILE AT TC



TOPOGRAPHY SOURCE
BASED ON FIELD SURVEY PERFORMED BY M. MEYER ON FEBRUARY 3, 2021. WORK ORDER NO. B-17114.

BENCHMARK
SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT#50) ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES
DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 17 (PT#20017), I.E. N04° 04' 52" W.

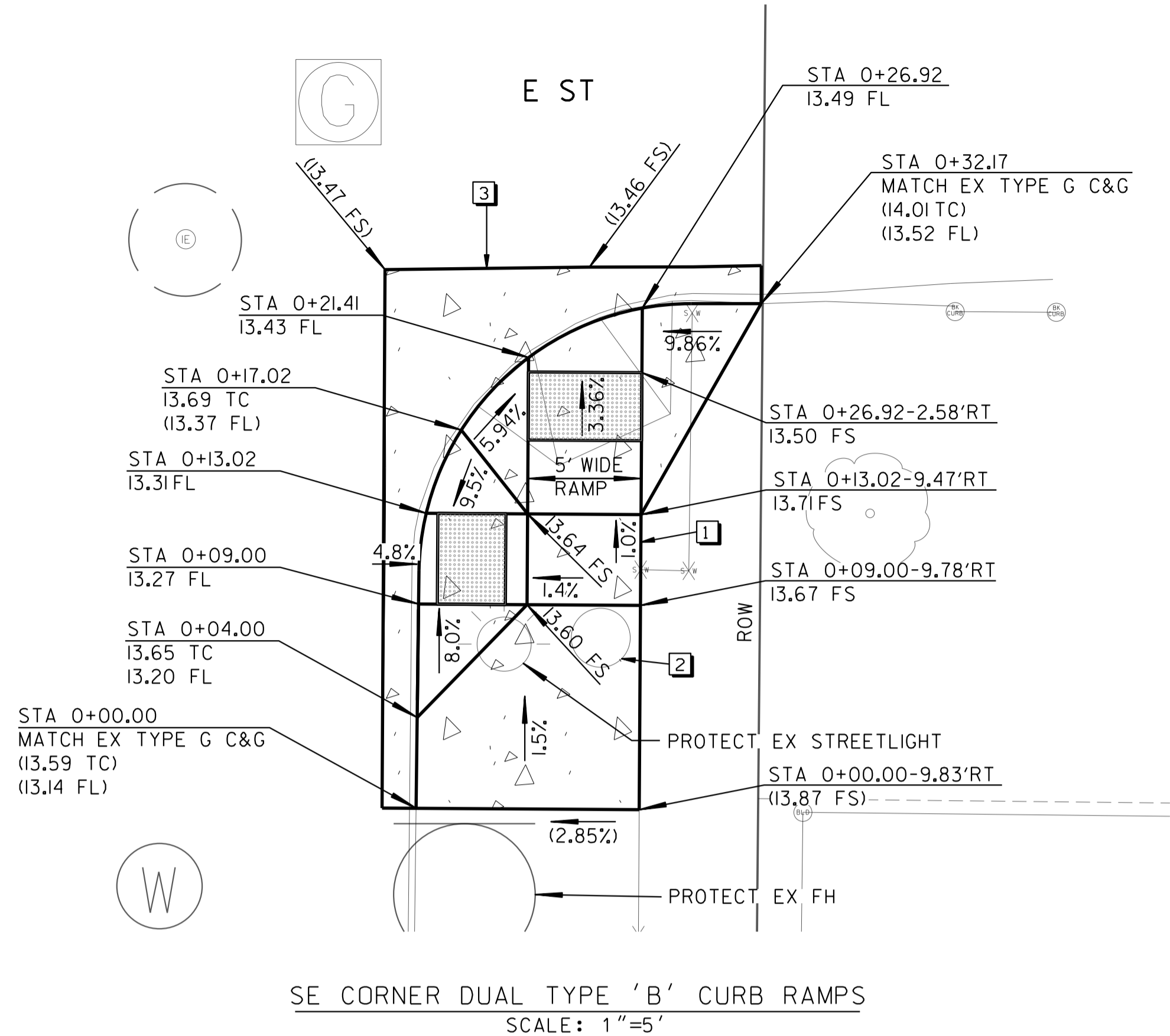


C-31

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
UNION AND W ASH ST - NWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 34 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYLIE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JINSIL KIM PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	JK	
CONTRACTOR	DATE STARTED	DATE COMPLETED
CONTRACTOR		40677-34-D

KETTNER BLVD



SE CORNER DUAL TYPE 'B' CURB RAMPS
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE 'B' CURB RAMPS PER DETAIL AND THE CITY OF SAN DIEGO STANDARD DRAWINGS SDG-133.
- 2 EXISTING SURVEY MONUMENT TO BE PERPETUATED.
- 3 REMOVE AND REPLACE CROSS GUTTER PANEL TO MATCH EXIST. CONTRACTOR TO PROTECT EX FLOW LINE.

FIELD DATA

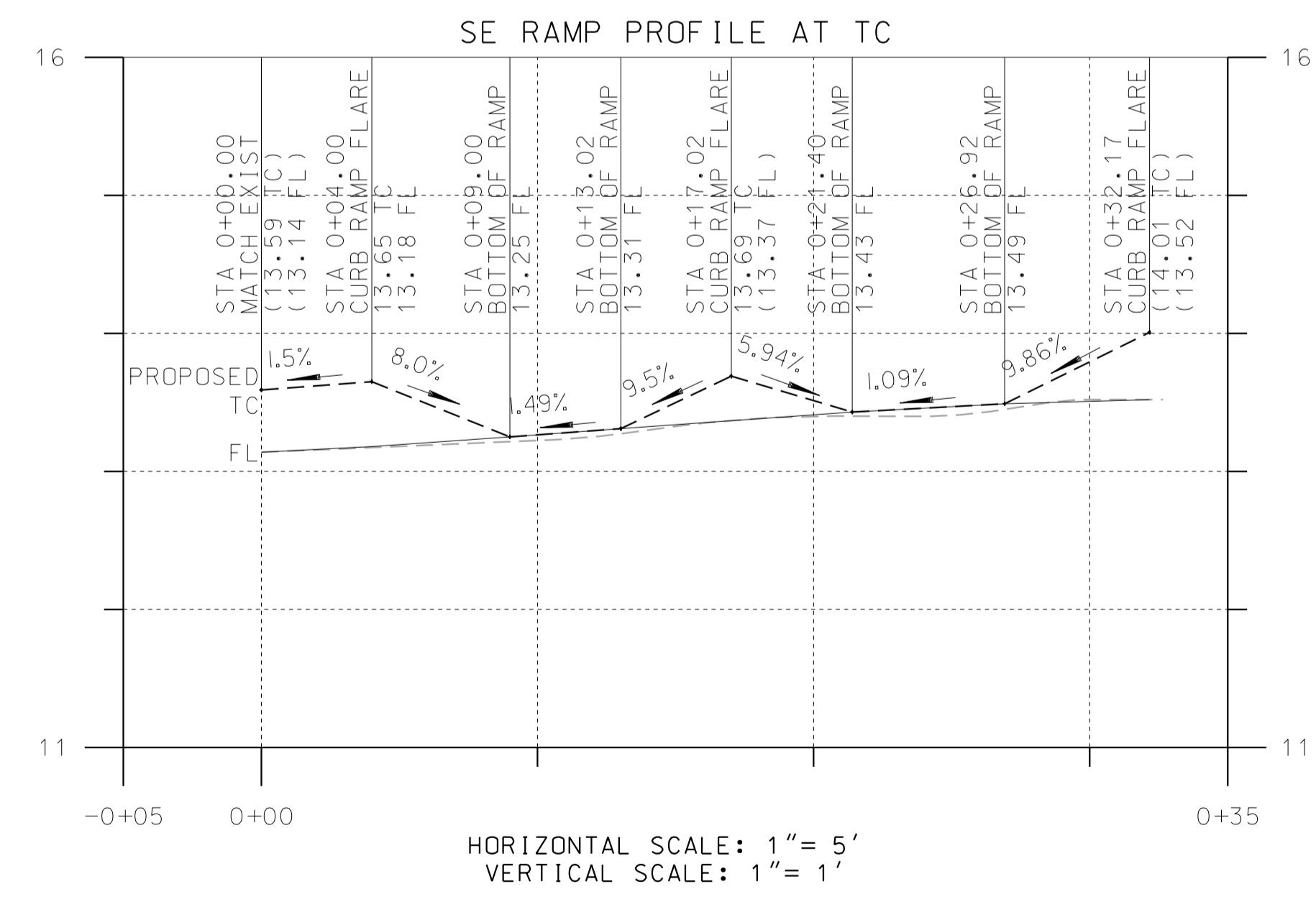
BENCHMARK: SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT#50)
ELEV.= 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK

FIELD NOTES:

CITY OF SAN DIEGO PRELIMINARY SURVEY BY RICK ENG/M. KHALILI 10-16-18 B17117 CURB RAMP IMPROVEMENT GROUP 1701
BASIS OF BEARINGS / COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A STATIC GPS SURVEY USING R.OF S.I4492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND CHECKING GPS 17 (PT# 20017), I.E. N 04° 04' 52" W.

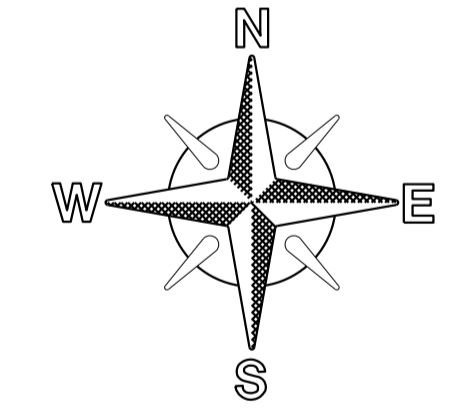
REFERENCES:

SUBDIVISION MAP: 456
PARCEL MAP: I0732, 19658
CORNER RECORD: 20604
CITY DRAWING: I8603-D



CURB ALIGNMENT DATA

HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: E St and Kettner SE TC at Face	Element: Linear POB 0+00.00 13.59 PVI 0+04.00 13.65 Tangent Grade: 1.50% Tangent Length: 4.00
POB 0+00.00 1840993.04 6278961.29 STRAIGHT N 0° 41' 47.66" E D = 4.00	Element: Linear PVI 0+04.00 13.65 Tangent Grade: -8.00% Tangent Length: 5.00
PI 0+04.00 1840997.04 6278961.34 STRAIGHT N 0° 41' 47.66" E D = 5.00	Element: Linear PVI 0+09.00 13.25 Tangent Grade: 1.49% Tangent Length: 4.02
PI 0+09.00 1841002.04 6278961.40 STRAIGHT N 0° 41' 47.65" E D = 1.38	Element: Linear PVI 0+13.02 13.31 PVI 0+17.02 13.69 Tangent Grade: 9.50% Tangent Length: 4.00
PC 0+10.38 1841003.42 6278961.42 R = +12.00 DELTA = 89° 18' 12.35" RT L = 18.70	Element: Linear PVI 0+17.02 13.69 PVI 0+21.40 13.43 Tangent Grade: -5.94% Tangent Length: 4.38
PT 0+29.08 1841015.27 6278973.41 STRAIGHT S 90° 00' 00.00" E D = 3.08	Element: Linear PVI 0+21.40 13.43 PVI 0+26.92 13.49 Tangent Grade: 1.09% Tangent Length: 5.52
POE 0+32.17 1841015.27 6278976.50	Element: Linear PVI 0+26.92 13.49 POE 0+32.17 14.01 Tangent Grade: 9.86% Tangent Length: 5.25



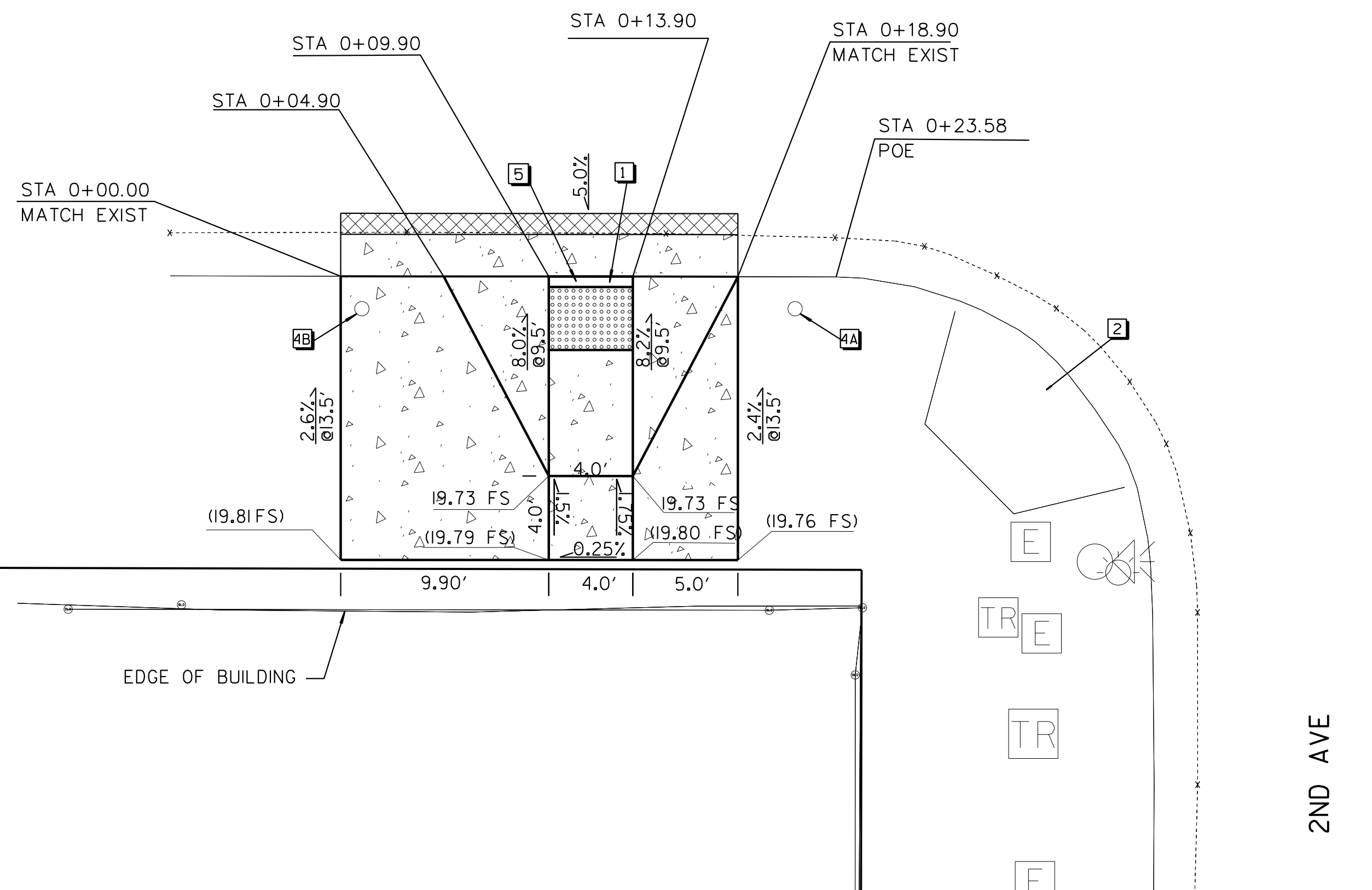
C-32

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
E ST AND KETTNER BLVD - SEC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 35 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER
DESCRIPTION	BY	APPROVED
ORIGINAL	AS	AA
202-1713 CCS27 COORDINATE		AVEEN SALEH PROJECT ENGINEER
6274407-1842444 CCS83 COORDINATE		
CONTRACTOR	DATE STARTED	40677-35-D
INSPECTOR	DATE COMPLETED	

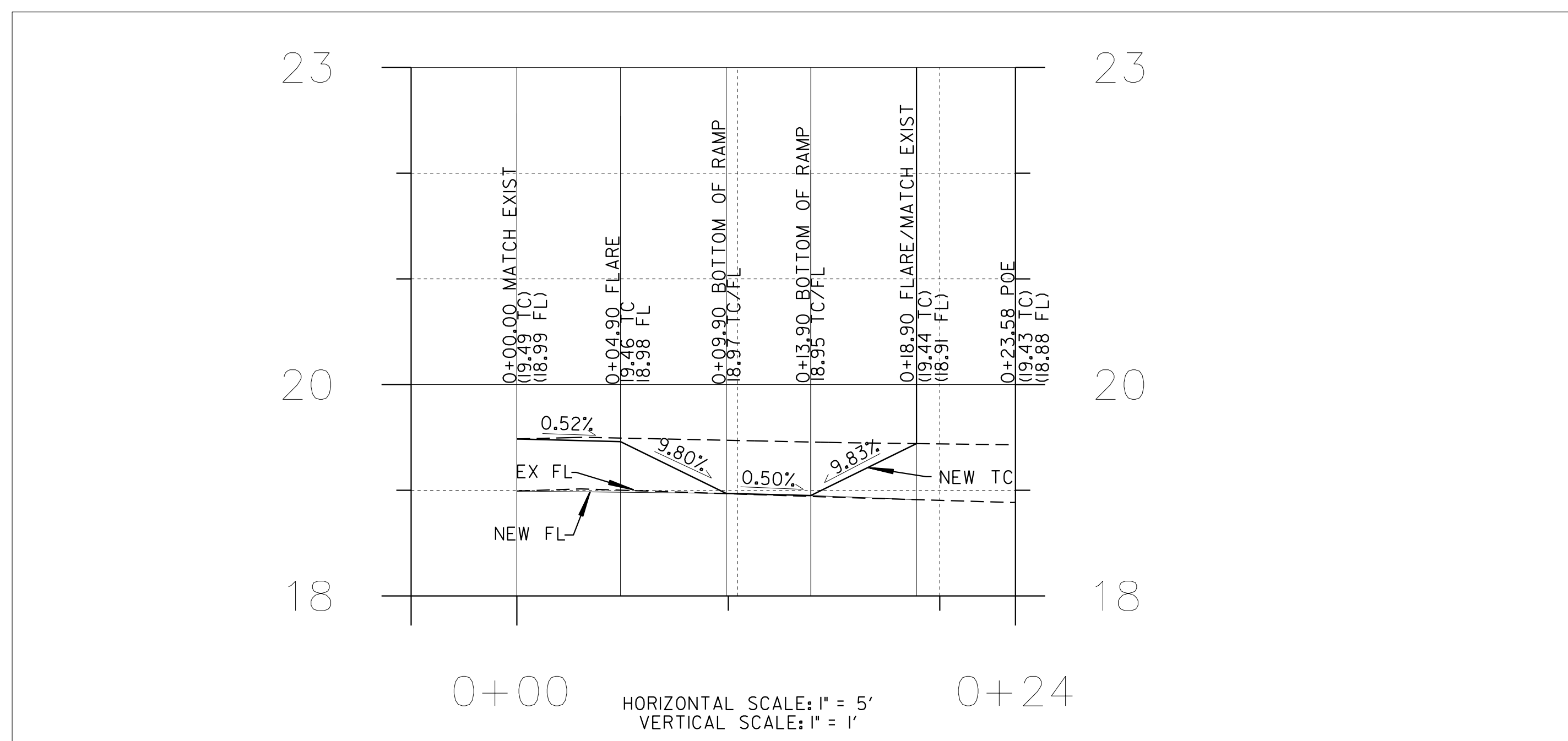
CURB RAMP DETAIL

G ST



SW CORNER TYPE B RAMP
SCALE: 1"=5'

SW RAMP PROFILE AT TC



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

CURB ALIGNMENT DATA:

G ST AND 2ND AVE - SWC					
HORIZONTAL ALIGNMENT					
Alignment: G ST AND 2ND AVE - SWC					
POINT	STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA DIST/LENGTH
POB	0+00.00	1840238.93	6280808.78	STRAIGHT	S 89° 52' 06" E D = 3.20
PI0	+03.20	1840238.93	6280811.98	STRAIGHT	S 89° 58' 19" E D = 12.23
PI0	+15.43	1840238.92	6280824.21	STRAIGHT	S 89° 51' 34" E D = 8.15
POE	0+23.58	1840238.90	6280832.36		

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE 'B' CURB RAMP PER SDG-133 AND DETAIL.
- 2 PROTECT EXIST CURB RAMP IN PLACE.
- 3 SAWCUT 1' FROM THE LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 4 A. RELOCATE EXIST TRASH RECEPTACLE. B. NEW LOCATION OF TRASH RECEPTACLE.
- 5 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTER CITY STREETSCAPE MANUAL (CCSM) FOR "GATEWAY PAVING" SIDEWALK PATTERN AND TREATMENT.

FIELD DATA

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JUNE 18, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 6 SITES 1-3

REFERENCES:

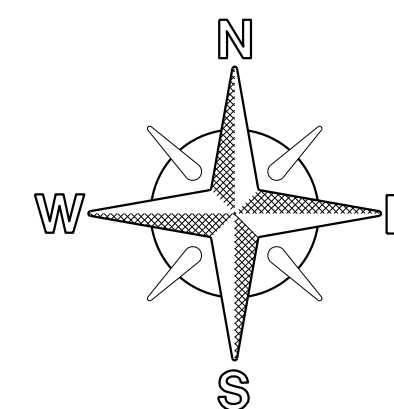
SUBDIVISION MAP: HORTON'S ADDITION MAP 369, 13916
CORNER RECORD: 2316, 4843, 10164, 15233, 15236, 15973, 17100, 27667, 29126, 30427, 35174
PARCEL MAP: 9616, 15076, 15803, 19751, 21100
RECORD OF SURVEY: 12153
CITY DRAWING: 16665-B, 18340-B
ADJOINING JOB: B-18021/ B-18022, AC WTR SWR GRP 1033, DAVIS/PILKINTON, 05/31/2018, 196-1716

BASIS OF BEARINGS/COORDINATES:

THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 30, AND GPS 32, I.E. N 54° 11' 55" W,

BENCHMARK:

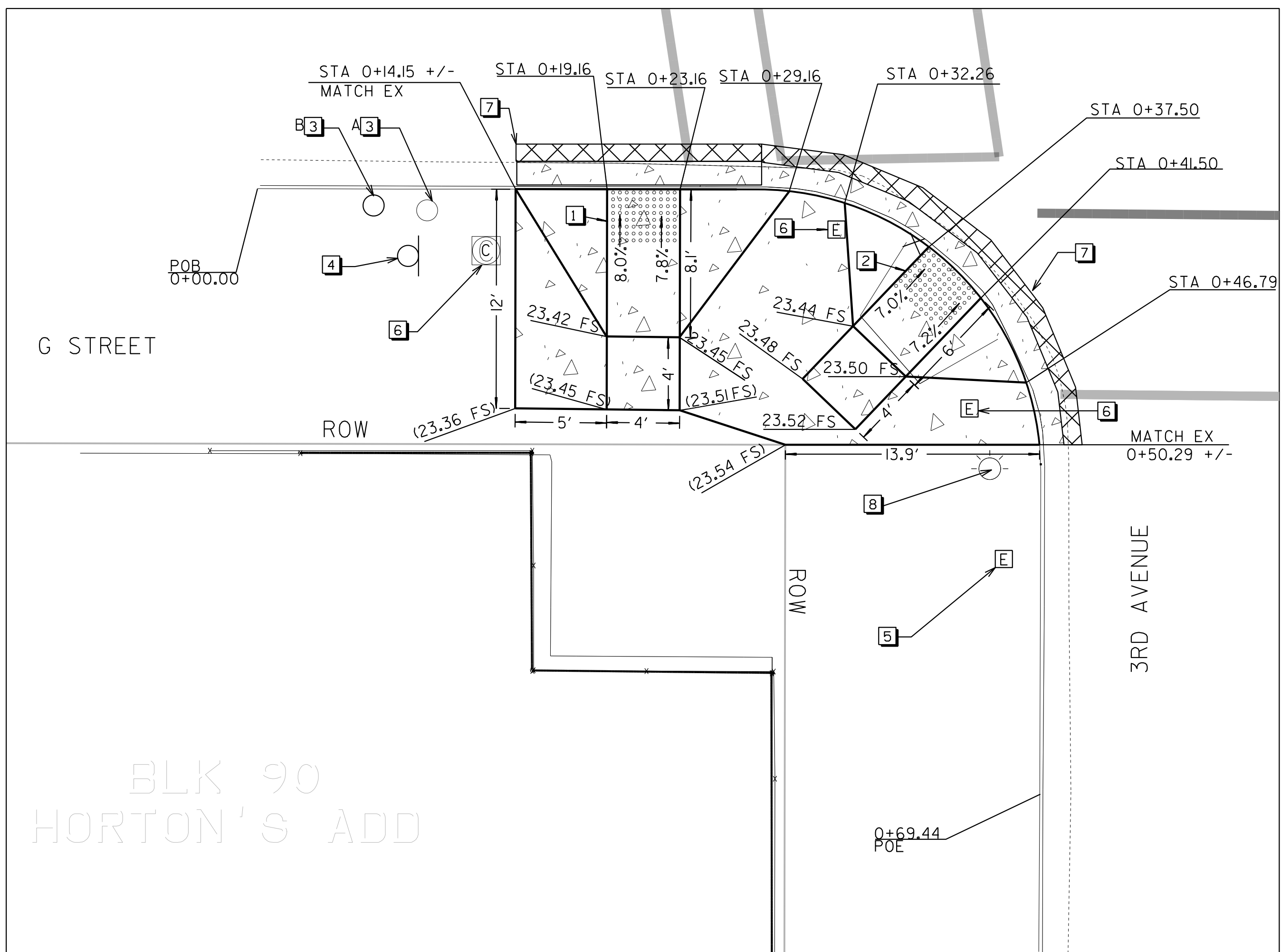
*SEBP G STREET & THIRD AVE (PT# 19)
ELEV. 24.332 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK



C-33

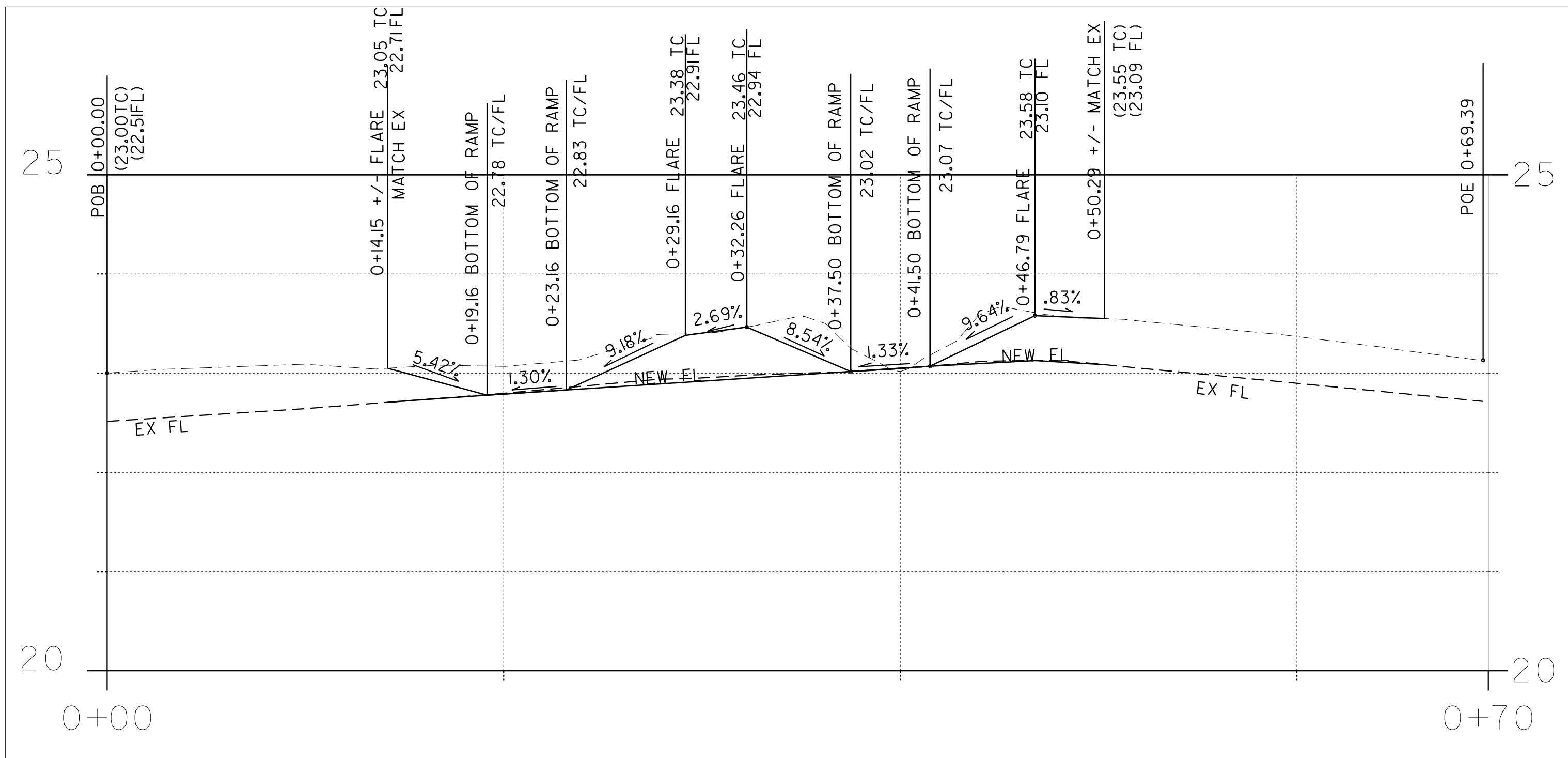
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
G ST AND 2ND AVE - SWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 36 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JWAN MUF TI PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	JM	
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED
		198-1719 CCS27 COORDINATE 6280407-1838444 CCS83 COORDINATE 40677-36-D



SW CORNER TYPE "A" AND "B" CURB RAMP

SCALE: 1"=5'



CURB PROFILE

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

CURB ALIGNMENT DATA:

G STREET AND 3RD AVENUE SOUTH WEST CORNER

HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: SWC PROPOSED	
POB 0+00.00 1840238.42 6281084.89	Element: Linear
STRAIGHT S 89° 55' 07.81" E D = 27.46	POB 0+00.00 23.00
PC 0+27.46 1840238.38 628112.35	PVI0+14.15 23.05
R = +15.50 DELTA = 89° 59' 57.27" RT L = 24.35	Tangent Grade: 0.35%
PT 0+51.81 1840222.86 6281127.83	Tangent Length: 14.15
STRAIGHT S 0° 04' 49.45" W D = 17.64	Element: Linear
POE 0+69.44 1840205.22 6281127.80	PVI0+14.15 23.05
	PVI0+19.16 22.78
	Tangent Grade: -5.42%
	Tangent Length: 5.01
	Element: Linear
	PVI0+19.16 22.78
	PVI0+23.16 22.83
	Tangent Grade: 1.30%
	Tangent Length: 4.00
	Element: Linear
	PVI0+23.16 22.83
	PVI0+29.16 23.38
	Tangent Grade: 9.18%
	Tangent Length: 6.00
	Element: Linear
	PVI0+29.16 23.38
	PVI0+32.26 23.46
	Tangent Grade: 2.69%
	Tangent Length: 3.10
	Element: Linear
	PVI0+32.26 23.46
	PVI0+37.50 23.02
	Tangent Grade: -8.54%
	Tangent Length: 5.24
	Element: Linear
	PVI0+37.50 23.02
	PVI0+41.50 23.07
	Tangent Grade: 1.33%
	Tangent Length: 4.00
	Element: Linear
	PVI0+41.50 23.07
	PVI0+46.79 23.58
	Tangent Grade: 9.64%
	Tangent Length: 5.29
	Element: Linear
	PVI0+46.79 23.58
	PVI0+50.29 23.55
	Tangent Grade: -0.83%
	Tangent Length: 3.50
	Element: Linear
	PVI0+50.29 23.55
	PVI0+69.39 23.13
	Tangent Grade: -2.20%
	Tangent Length: 19.10
	Element: Linear
	PVI0+69.39 23.13
	POE 0+75.22 22.71
	Tangent Grade: -7.22%
	Tangent Length: 5.83

FIELD DATA

TOPOGRAPHY SOURCE:

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JUNE 18, 2018 WORK ORDER NO. B1714, CURB REPLACEMENT IMPROVEMENT GROUP 1701 AREA 6 SITES 1-3.

REFERENCES:

SUBDIVISION MAP:
HORTON'S ADDITION MAP 369, 13916

CORNER RECORD:
2316, 4843, 10164, 15233, 15236, 15973, 17100,
27667, 29126, 30427, 35174

PARCEL MAP:
9616, 15076, 15803, 19751, 21100

RECORD OF SURVEY:
12153

CITY DRAWING:
16665-B, 18340-B

ADJOINING JOB:
B-18021 / B-18022, AC WTR SWR GRP 1033, DAVIS/PILKINTON,
05/31/2018, 196-1716

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F. S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 30, AND GPS 32, I.E. N 54° 11' 55" W.

BENCH:
SEBP G STREET & THIRD AVE (PT* 19)
ELEV. 24.332 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK

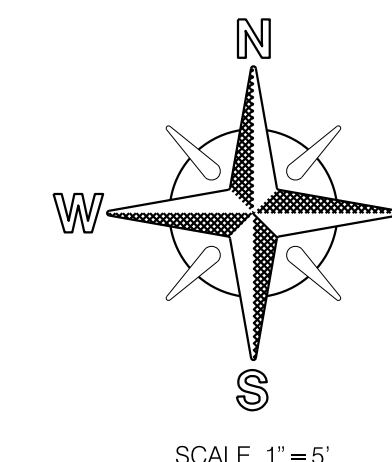
CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "B" CURB RAMP PER SDG-133 AND DETAIL.
- 2 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 AND DETAIL.
- 3 A. REMOVE AND RELOCATE EXIST TRASH RECEPTACLE.
B. NEW LOCATION FOR TRASH RECEPTACLE.
- 4 PROTECT EXIST POLE AND SIGN.
- 5 PROTECT TRAFFIC SIGNAL BOX IN PLACE.
- 6 ADJUST UTILITY BOX TO GRADE.
- 7 SAWCUT 1' FROM PROPOSED LIP OF GUTTER.
AC PATCH TO MATCH GRADE.
- 8 PROTECT TRAFFIC SIGNAL POLE IN PLACE.

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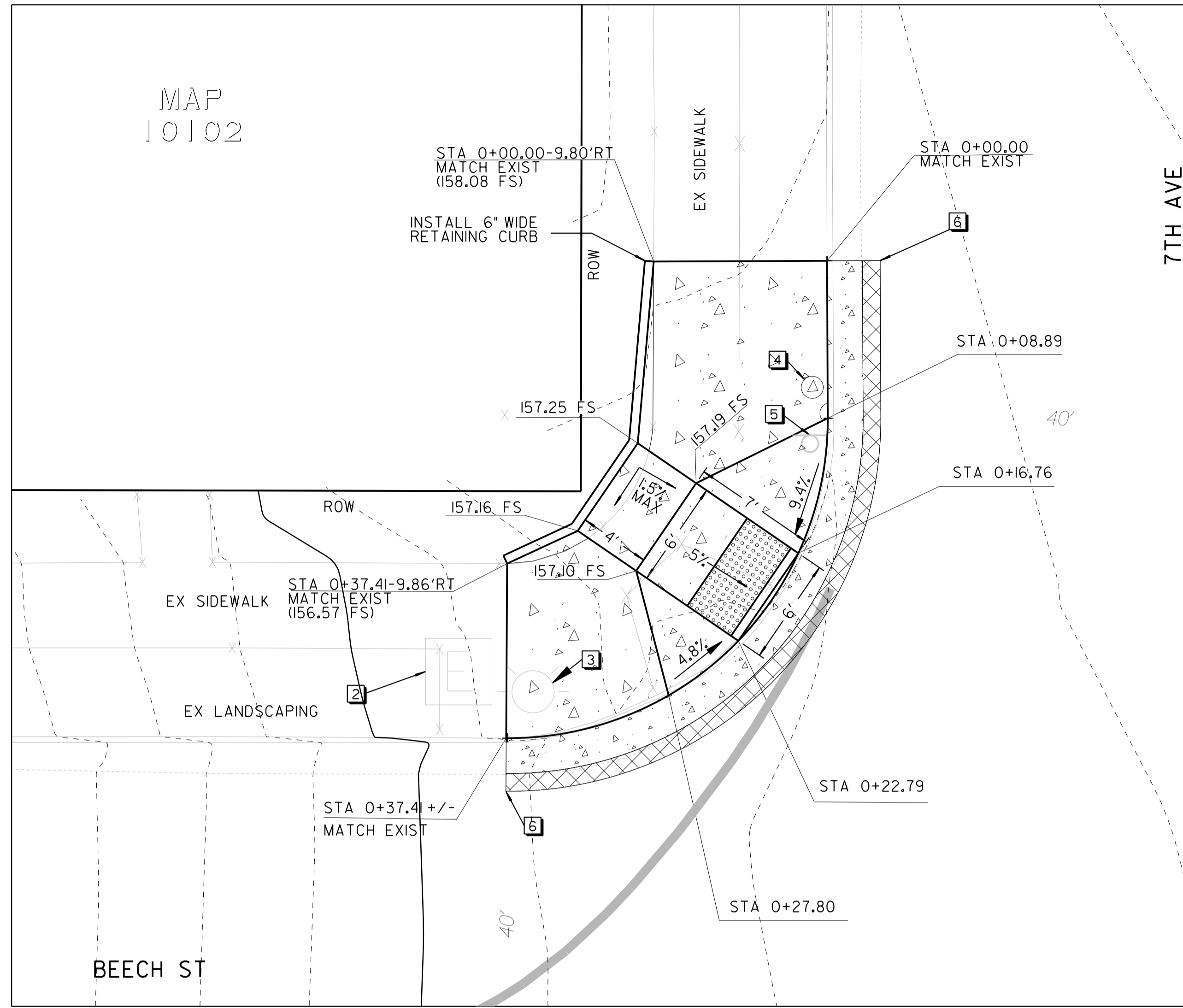
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
G ST AND 3RD AVENUE SWC

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 37 OF 75 SHEETS		WBS#	B-17114
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYLIE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____		SUBMITTED BY: AVEEN SALEH PROJECT MANAGER	
DESCRIPTION		BY	APPROVED
ORIGINAL	CD		
		DATE	FILMED
		202-1719 CCS27 COORDINATE	
		1842-6279 CCS83 COORDINATE	
CONTRACTOR _____		DATE STARTED _____	40677-37-D
INSPECTOR _____	DATE COMPLETED _____		



CURB RAMP DETAIL

MAP
10102



NW CORNER TYPE "A" CURB RAMP
SCALE: 1"=5'

CURB ALIGNMENT DATA:

BEECH ST & 7TH AVE NW TC AT FACE	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
POB 0+00.00 1843361.71 6282255.61 STRAIGHT S 0°14'05.71" E D = 8.89	Element: Linear PVI 0+00.00 157.80 POB 0+00.00 157.80 PVI 0+08.89 157.58 Tangent Grade: -2.45% Tangent Length: 8.89
PC 0+08.89 1843352.82 6282255.64 R = +18.00 DELTA = 90°32'21.45" RT L = 28.44	Element: Linear PVI 0+08.89 157.58 PVI 0+16.76 156.84 Tangent Grade: -9.40% Tangent Length: 7.87
PT 0+37.34 1843334.74 6282237.55 STRAIGHT N 89°41'44.26" W D = 0.08	Element: Linear PVI 0+16.76 156.84 PVI 0+22.79 156.75 Tangent Grade: -1.49% Tangent Length: 6.03
POE 0+37.41 1843334.74 6282237.47	Element: Linear PVI 0+22.79 156.75 PVI 0+27.80 156.99 Tangent Grade: 4.79% Tangent Length: 5.01
	Element: Linear PVI 0+27.80 156.99 POE 0+37.41 156.22 Tangent Grade: -8.03% Tangent Length: 9.61

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 AND DETAIL.
- 2 PROTECT EX UTILITY BOX IN PLACE.
- 3 PROTECT EX STREET LIGHT POLE IN PLACE.
- 4 RELOCATE EX TRASH RECEPTACLE CLEAR OF FLARE.
- 5 REMOVE AND REINSTALL SIGN POST.
- 6 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC PATCH TO MATCH GRADE.

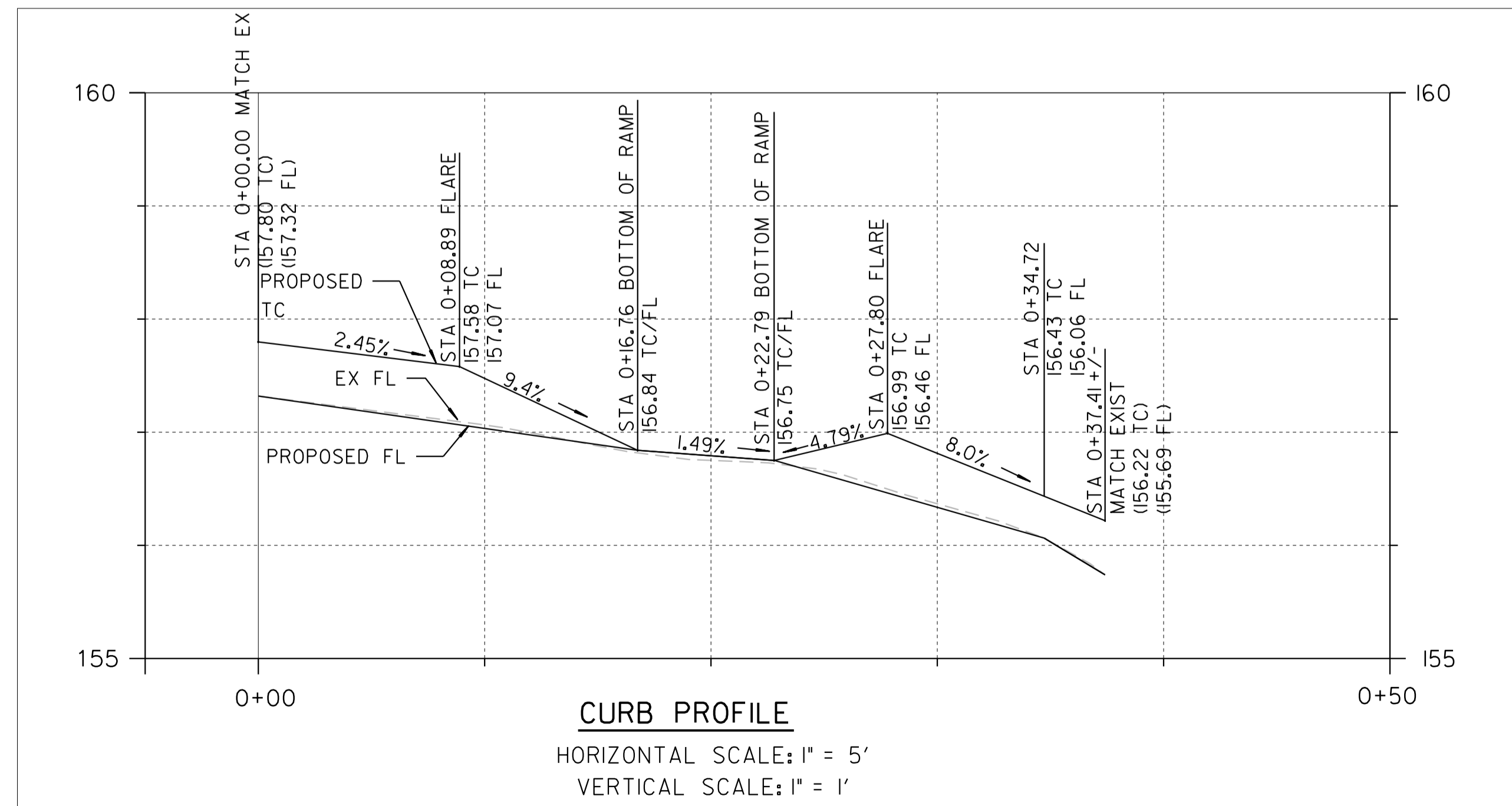
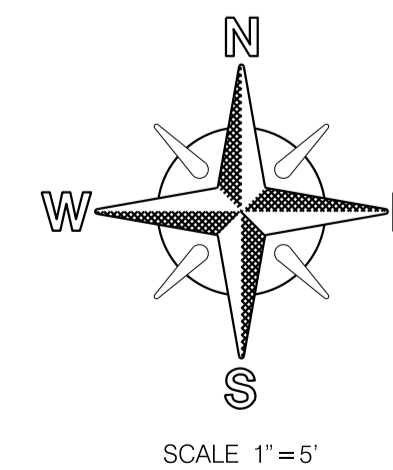
FIELD DATA

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JUNE 26, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 2, SITE 2.

BENCHMARK:
NEBP 6TH AVE AND BEECH ST (PT 21)
ELEV. = 122.063 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARING FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35) UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND CHECKING GPS 17 (PT 20017), I.E. N 4° 4' 52" W.

REFERENCES:
SUBDIVISION MAP: 150, 10102, 14860
CORNER RECORD: 7482 PARCEL MAP: 17523
RECORD OF SURVEY: 12425



CURB PROFILE
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

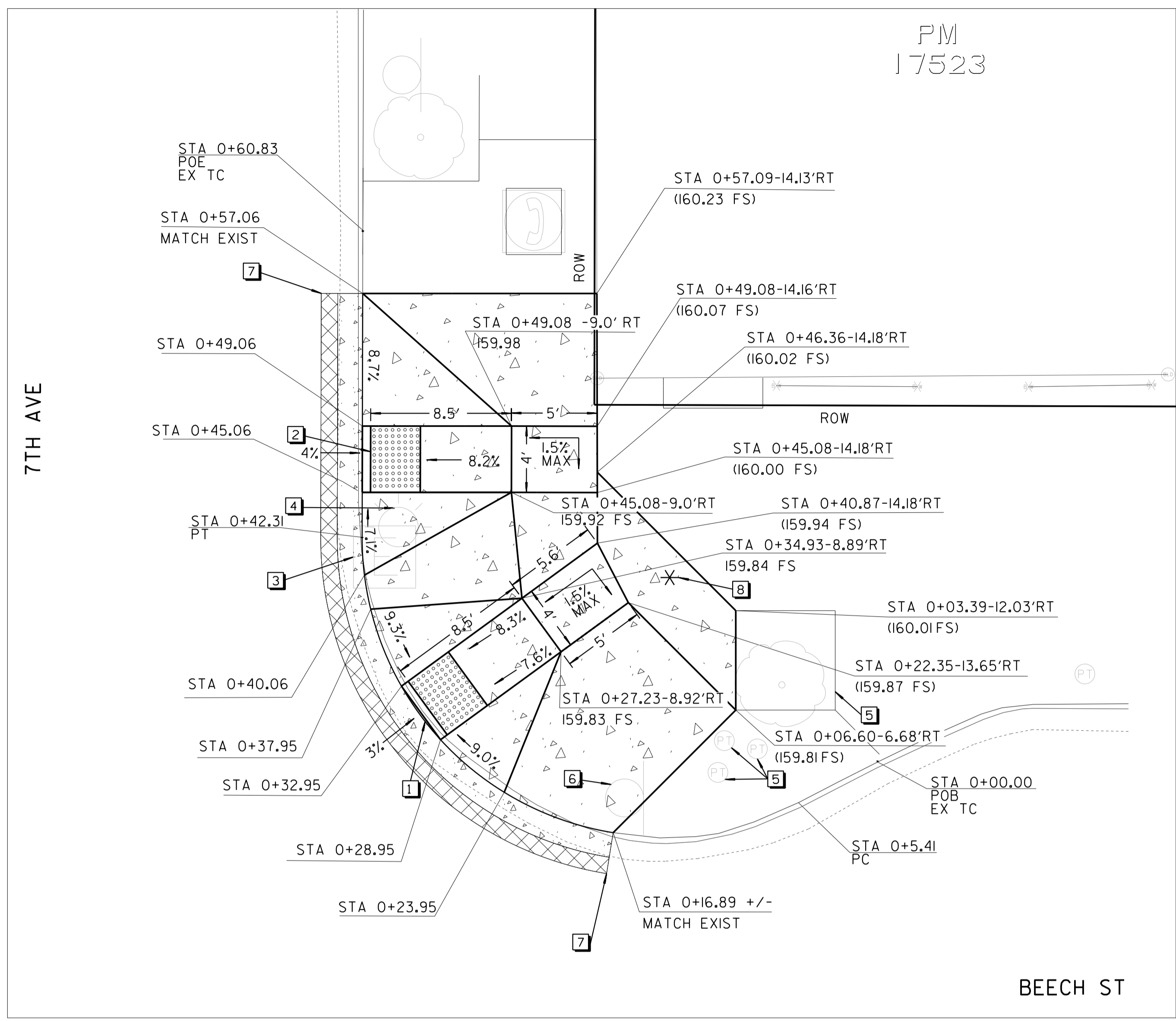
C-35

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
BEECH ST AND 7TH AVE - NWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 38 OF 75 SHEETS		WBS* B-17114
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER CHRIS DARQUEA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	CD	AA
CONTRACTOR	DATE STARTED	202-1719
INSPECTOR	DATE COMPLETED	CCS27 COORDINATE
		1842-6279
		CCS83 COORDINATE
		40677-38-D

CURB ALIGNMENT DATA:

BEECH ST & 7TH AVE NE TC AT FACE											
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT										
POB 0+00.00 1843326.95 6282338.77 STRAIGHT S 62° 33' 42.88" W D = 5.41 PC 0+05.41 1843324.46 6282333.97 R = +18.00 DELTA = 117° 34' 20.50" RT L = 36.94 PT 0+42.34 1843340.48 6282307.68 STRAIGHT N 0° 08' 03.37" E D = 18.49 POE 0+60.83 1843358.97 6282307.72	<table border="0"> <tr> <td> Element: Linear POB 0+00.00 159.84 PVI 0+16.89 159.80 Tangent Grade: -0.25% Tangent Length: 16.89 </td> <td> Element: Linear PVI 0+37.95 159.53 PVI 0+40.06 159.54 Tangent Grade: 0.19% Tangent Length: 2.11 </td> </tr> <tr> <td> Element: Linear PVI 0+16.89 159.80 PVI 0+23.95 159.56 Tangent Grade: -3.38% Tangent Length: 7.06 </td> <td> Element: Linear PVI 0+40.06 159.54 PVI 0+45.06 159.18 Tangent Grade: -7.12% Tangent Length: 5.00 </td> </tr> <tr> <td> Element: Linear PVI 0+23.95 159.56 PVI 0+28.95 159.11 Tangent Grade: -9.00% Tangent Length: 5.00 </td> <td> Element: Linear PVI 0+45.06 159.18 PVI 0+49.06 159.24 Tangent Grade: 1.50% Tangent Length: 4.00 </td> </tr> <tr> <td> Element: Linear PVI 0+28.95 159.11 PVI 0+32.95 159.07 Tangent Grade: -1.04% Tangent Length: 4.00 </td> <td> Element: Linear PVI 0+49.06 159.24 PVI 0+57.06 159.94 Tangent Grade: 8.73% Tangent Length: 8.00 </td> </tr> <tr> <td> Element: Linear PVI 0+32.95 159.07 PVI 0+37.95 159.53 Tangent Grade: 9.27% Tangent Length: 5.00 </td> <td> Element: Linear PVI 0+57.06 159.94 POE 0+60.83 160.04 Tangent Grade: 2.73% Tangent Length: 3.71 </td> </tr> </table>	Element: Linear POB 0+00.00 159.84 PVI 0+16.89 159.80 Tangent Grade: -0.25% Tangent Length: 16.89	Element: Linear PVI 0+37.95 159.53 PVI 0+40.06 159.54 Tangent Grade: 0.19% Tangent Length: 2.11	Element: Linear PVI 0+16.89 159.80 PVI 0+23.95 159.56 Tangent Grade: -3.38% Tangent Length: 7.06	Element: Linear PVI 0+40.06 159.54 PVI 0+45.06 159.18 Tangent Grade: -7.12% Tangent Length: 5.00	Element: Linear PVI 0+23.95 159.56 PVI 0+28.95 159.11 Tangent Grade: -9.00% Tangent Length: 5.00	Element: Linear PVI 0+45.06 159.18 PVI 0+49.06 159.24 Tangent Grade: 1.50% Tangent Length: 4.00	Element: Linear PVI 0+28.95 159.11 PVI 0+32.95 159.07 Tangent Grade: -1.04% Tangent Length: 4.00	Element: Linear PVI 0+49.06 159.24 PVI 0+57.06 159.94 Tangent Grade: 8.73% Tangent Length: 8.00	Element: Linear PVI 0+32.95 159.07 PVI 0+37.95 159.53 Tangent Grade: 9.27% Tangent Length: 5.00	Element: Linear PVI 0+57.06 159.94 POE 0+60.83 160.04 Tangent Grade: 2.73% Tangent Length: 3.71
Element: Linear POB 0+00.00 159.84 PVI 0+16.89 159.80 Tangent Grade: -0.25% Tangent Length: 16.89	Element: Linear PVI 0+37.95 159.53 PVI 0+40.06 159.54 Tangent Grade: 0.19% Tangent Length: 2.11										
Element: Linear PVI 0+16.89 159.80 PVI 0+23.95 159.56 Tangent Grade: -3.38% Tangent Length: 7.06	Element: Linear PVI 0+40.06 159.54 PVI 0+45.06 159.18 Tangent Grade: -7.12% Tangent Length: 5.00										
Element: Linear PVI 0+23.95 159.56 PVI 0+28.95 159.11 Tangent Grade: -9.00% Tangent Length: 5.00	Element: Linear PVI 0+45.06 159.18 PVI 0+49.06 159.24 Tangent Grade: 1.50% Tangent Length: 4.00										
Element: Linear PVI 0+28.95 159.11 PVI 0+32.95 159.07 Tangent Grade: -1.04% Tangent Length: 4.00	Element: Linear PVI 0+49.06 159.24 PVI 0+57.06 159.94 Tangent Grade: 8.73% Tangent Length: 8.00										
Element: Linear PVI 0+32.95 159.07 PVI 0+37.95 159.53 Tangent Grade: 9.27% Tangent Length: 5.00	Element: Linear PVI 0+57.06 159.94 POE 0+60.83 160.04 Tangent Grade: 2.73% Tangent Length: 3.71										



NE CORNER TYPE "A" & TYPE "B" CURB RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 AND DETAIL.
- 2 CONSTRUCT TYPE "B" CURB RAMP PER SDG-133 AND DETAIL.
- 3 PROTECT EX UTILITY BOX IN PLACE. ADJUST TO GRADE.
- 4 PROTECT EX STREET LIGHT POLE IN PLACE.
- 5 PROTECT EX PLANTERS
- 6 REMOVE AND REINSTALL EXISTING SIGN AND POST PER SDM-104.
- 7 SAWCUT 1" FROM PROPOSED LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 8 EX SURVEY MONUMENT TO BE PERPETUATED.

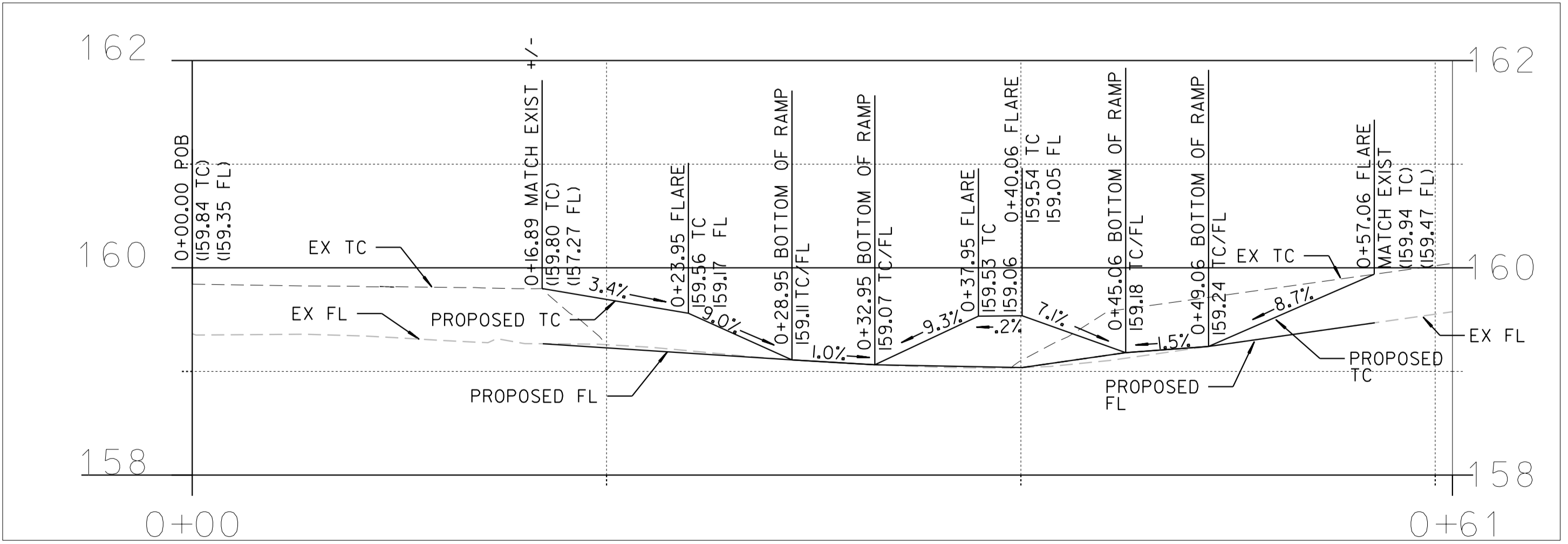
FIELD DATA

TOPOGRAPHY SOURCE:
 BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JUNE 26, 2018, WORK ORDER NO. B1714, CURB RAMP IMPROVEMENT GROUP 1701 AREA 2, SITE 2.

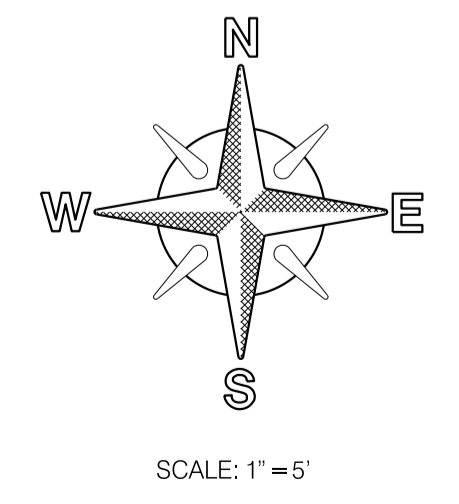
BENCHMARK:
 NEBP 6TH AVE AND BEECH ST (PT 21)
 ELEV. = 122.063 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES:
 THE BASIS OF BEARING FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35) UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND CHECKING GPS 17 (PT 20017), I.E. N 4° 4' 52" W.

REFERENCES:
 SUBDIVISION MAP: 150, 10102, 14860
 CORNER RECORD: 7482 PARCEL MAP: 17523
 RECORD OF SURVEY: 12425



CURB PROFILE
 HORIZONTAL SCALE: 1" = 5'
 VERTICAL SCALE: 1" = 1'

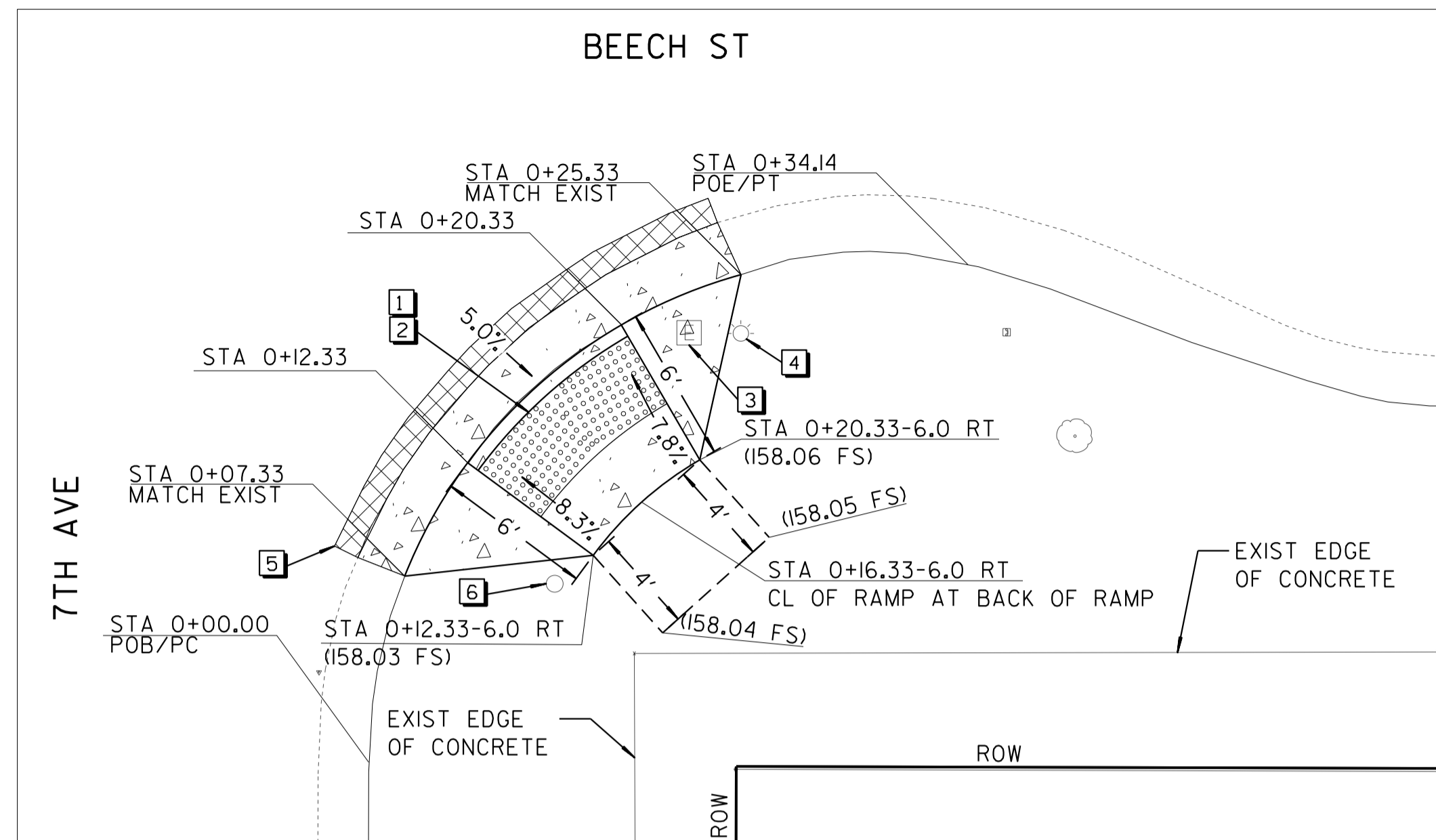


C-36

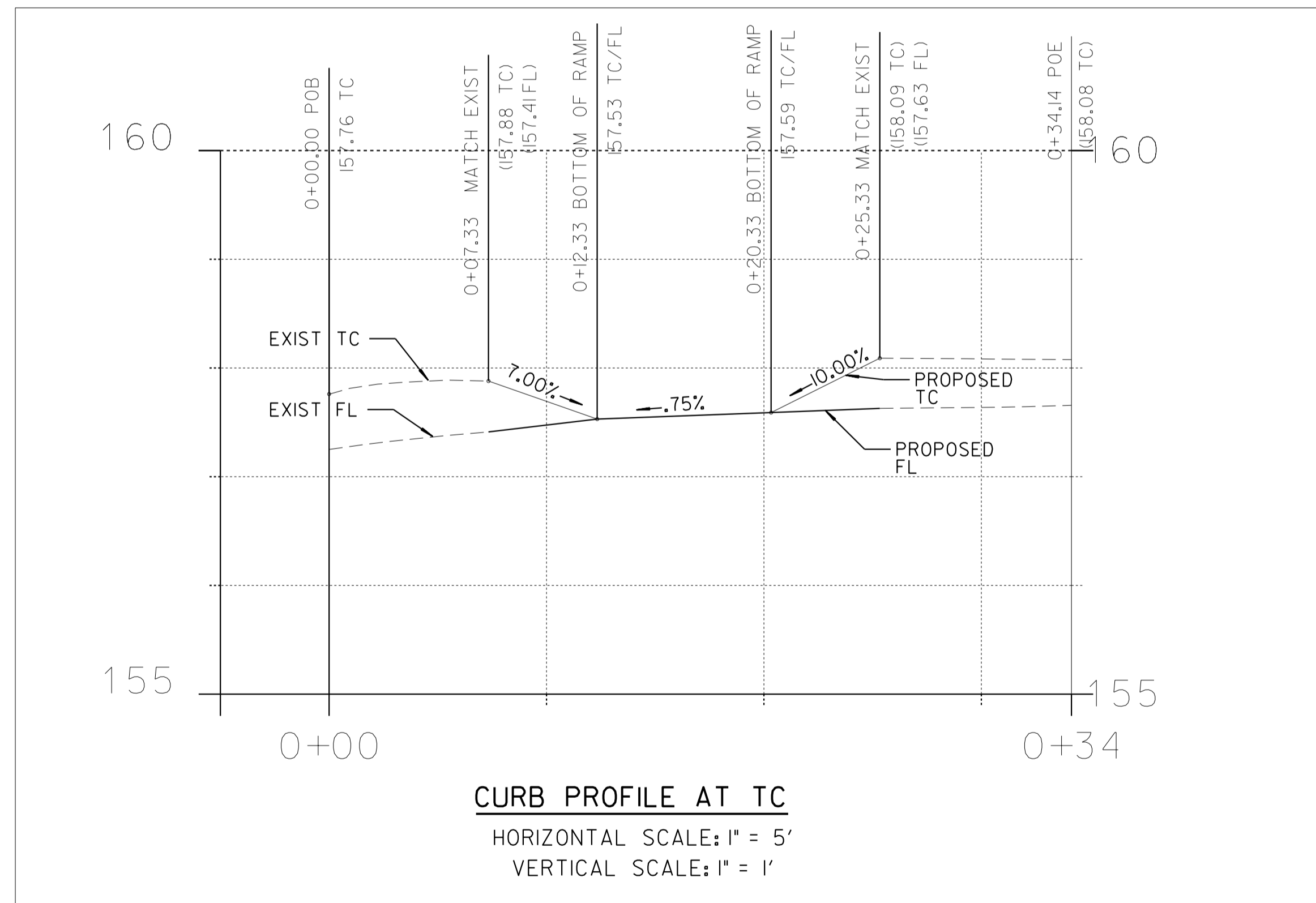
CURB RAMP IMPROVEMENT GROUP 1701
 CURB RAMP DETAIL
 BEECH ST AND 7TH AVE - NEC

CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND CAPITAL PROJECTS
 SHEET 39 OF 75 SHEETS

APPROVED FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME		DATE C/09/21 RICE#		SUBMITTED BY: AVEEN SALEH PROJECT MANAGER	
DESCRIPTION ORIGINAL		BY CD	APPROVED AA	DATE	FILMED
CONTRACTOR INSPECTOR		DATE STARTED DATE COMPLETED		202-1719 CCS27 COORDINATE 1812-6279 CCS83 COORDINATE	
				40677-39-D	



BEECH ST AND 7TH AVE SE CORNER TYPE "A"
SCALE: 1"=5'



CURB PROFILE AT TC
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 WITH 8' WIDE RAMP OPENING AND DETAIL. USE CAST-IN PLACE REPLACEABLE DWT PER CITY AML TO ACCOMMODATE TRIMMING OF PANELS FOR THE RADIUS CORNER.
- 2 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETSCAPE MANUAL (CCSM) FOR "CCDC STANDARD PAVING" SIDEWALK PATTERN AND TREATMENT.
- 3 PROTECT EXIST UTILITY BOX IN PLACE. ADJUST TO GRADE.
- 4 PROTECT EXIST STREET LIGHT POLE IN PLACE.
- 5 SAWCUT 1' FROM PROPOSED LIP OF GUTTER, AC PATCH TO MATCH GRADE.
- 6 EXIST SURVEY MONUMENT TO BE PERPETUATED.

CURB ALIGNMENT DATA:

BEECH ST & 7TH AVE SE TC AT FACE	
HORIZONTAL ALIGNMENT	
Alignment: Beech and 7th SEC TC proposed	
POINT STATION	NORTHING (Y) EASTING (X) ELEMENT BRG/DELTA DIST/LENGTH
PC 0+00.00	1843268.64 6282307.39 R = +19.50 DELTA = 100°19'30" RT L = 34.14
PT 0+34.14	1843287.76 6282330.44

FIELD DATA

TOPOGRAPHY SOURCE:

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JUNE 26, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 2, SITE 2.

BENCHMARK:

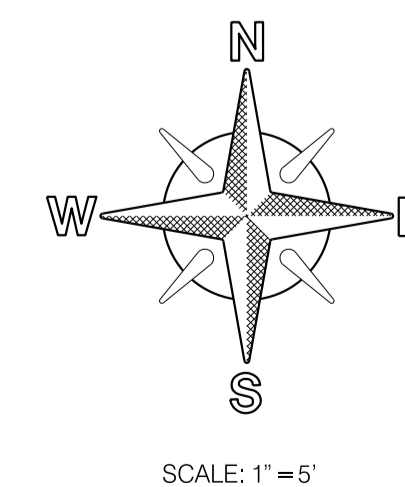
NEBP 6TH AVE AND BEECH ST (PT 2)
ELEV. = 122.063 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES:

THE BASIS OF BEARING FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S.14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35) UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND CHECKING GPS 17 (PT 20017), I.E. N 4° 4'52" W.

REFERENCES:

SUBDIVISION MAP: 150, 10102, 14860
CORNER RECORD: 7482 PARCEL MAP: 17523
RECORD OF SURVEY: 12425



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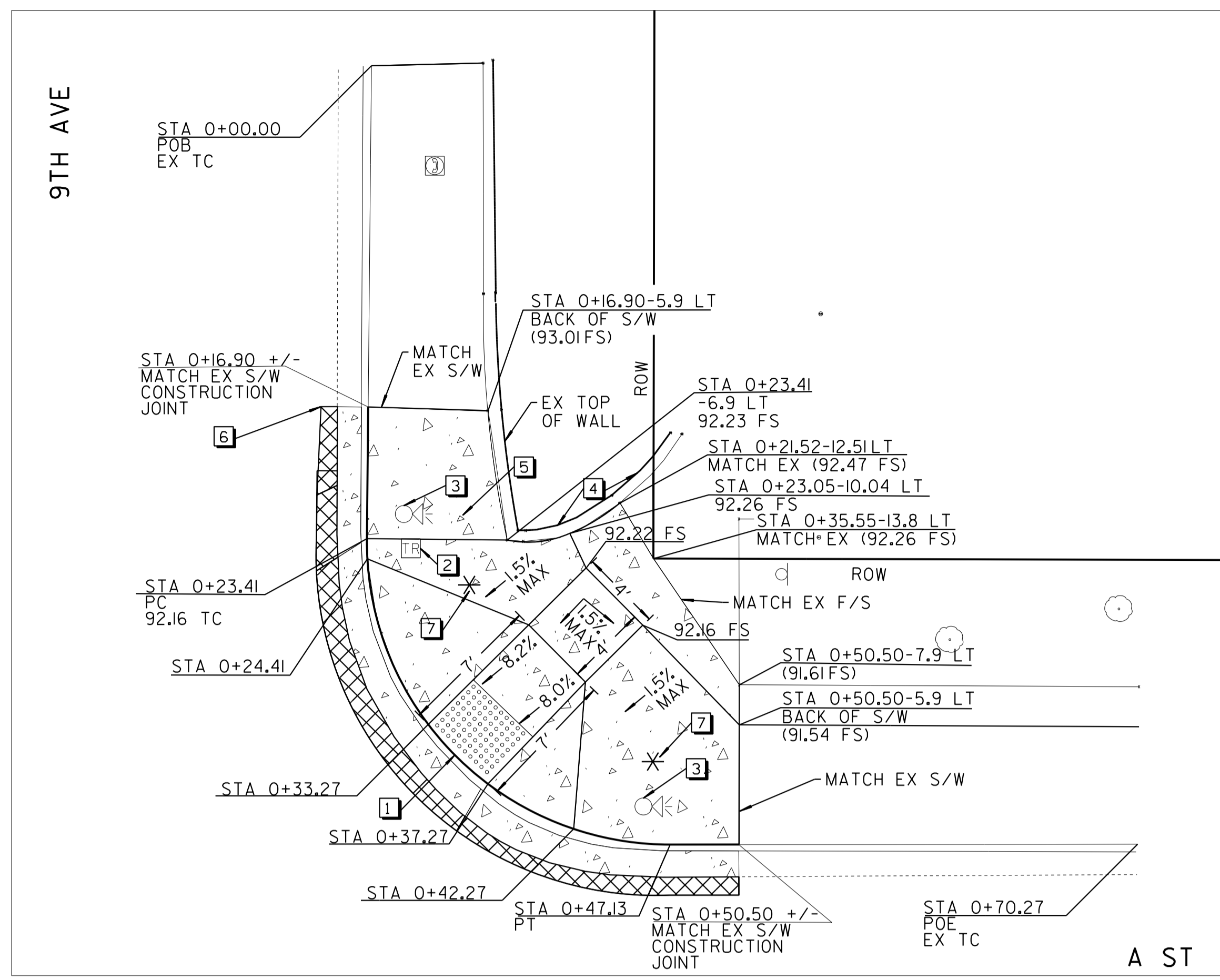
**CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
BEECH ST AND 7TH AVE - SEC**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS
SHEET 40 OF 75 SHEETS

WBS# B-17114

APPROVED:	FOR CITY ENGINEER	DATE	SUBMITTED BY:
	DAYUE ZHANG	C/09/21	AVEEN SALEH
	PRINT DCE NAME	RCE#	PROJECT MANAGER
			CHRIS DARQUEA
			PROJECT ENGINEER
			202-1719
			CCS27 COORDINATE
			1812-6279
			CCS83 COORDINATE

CONTRACTOR	DATE STARTED	40677-40-D
INSPECTOR	DATE COMPLETED	



A ST AND 9TH AVE NE CORNER TYPE "A" CURB RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 MODIFIED PER DETAIL.
- 2 PROTECT EX UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 3 PROTECT EX TRAFFIC SIGNAL POLE IN PLACE.
- 4 PROTECT EX PLANTER RETAINING WALL IN PLACE.
- 5 MAINTAIN 4' MINIMUM PEDESTRIAN CLEARANCE.
- 6 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 7 EX SURVEY MONUMENT TO BE PERPETUATED.

CONTRACTOR'S NOTE:

CONTRACTOR SHALL COORDINATE WITH RESIDENT ENGINEER IN NOTIFYING RESIDENT BUILDING MANAGEMENT OF ANY LOSS OF ACCESS DURING CONSTRUCTION.

CURB ALIGNMENT DATA:

A ST AND 9TH AVE-NORTHEAST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: A St and 9th NEC TC Proposed	Element: Linear POB 0+00.00 94.21 PVI0+09.73 93.44 Tangent Grade: -7.88% Tangent Length: 9.73
POB 0+00.00 1842610.92 6282866.04 STRAIGHT S 0° 32' 58.03" W D = 23.41	Element: Linear PVI0+16.90 92.88 PVI0+24.41 92.17 Tangent Grade: -9.44% Tangent Length: 7.51
PC 0+23.41 1842587.51 6282865.81 R = -15.00 DELTA = 90° 36' 10.92" LT L = 23.72	Element: Linear PVI0+24.41 92.17 PVI0+33.27 91.62 Tangent Grade: -6.21% Tangent Length: 8.86
PT 0+47.13 1842572.36 6282880.82 STRAIGHT N 89° 56' 47.11" E D = 23.14	Element: Linear PVI0+33.27 91.62 PVI0+37.27 91.56 Tangent Grade: -1.50% Tangent Length: 4.00
POE 0+70.27 1842572.38 6282903.97	Element: Linear PVI0+37.27 91.56 PVI0+42.27 91.86 Tangent Grade: 6.00% Tangent Length: 5.00
	Element: Linear PVI0+42.27 91.86 PVI0+47.13 91.59 Tangent Grade: -5.56% Tangent Length: 4.86
	Element: Linear PVI0+47.13 91.59 POE 0+70.27 90.02 Tangent Grade: -6.78% Tangent Length: 23.14

FIELD DATA

TOPOGRAPHY SOURCE:

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JULY 5, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701, AREA 2, SITE 4.

REFERENCES:

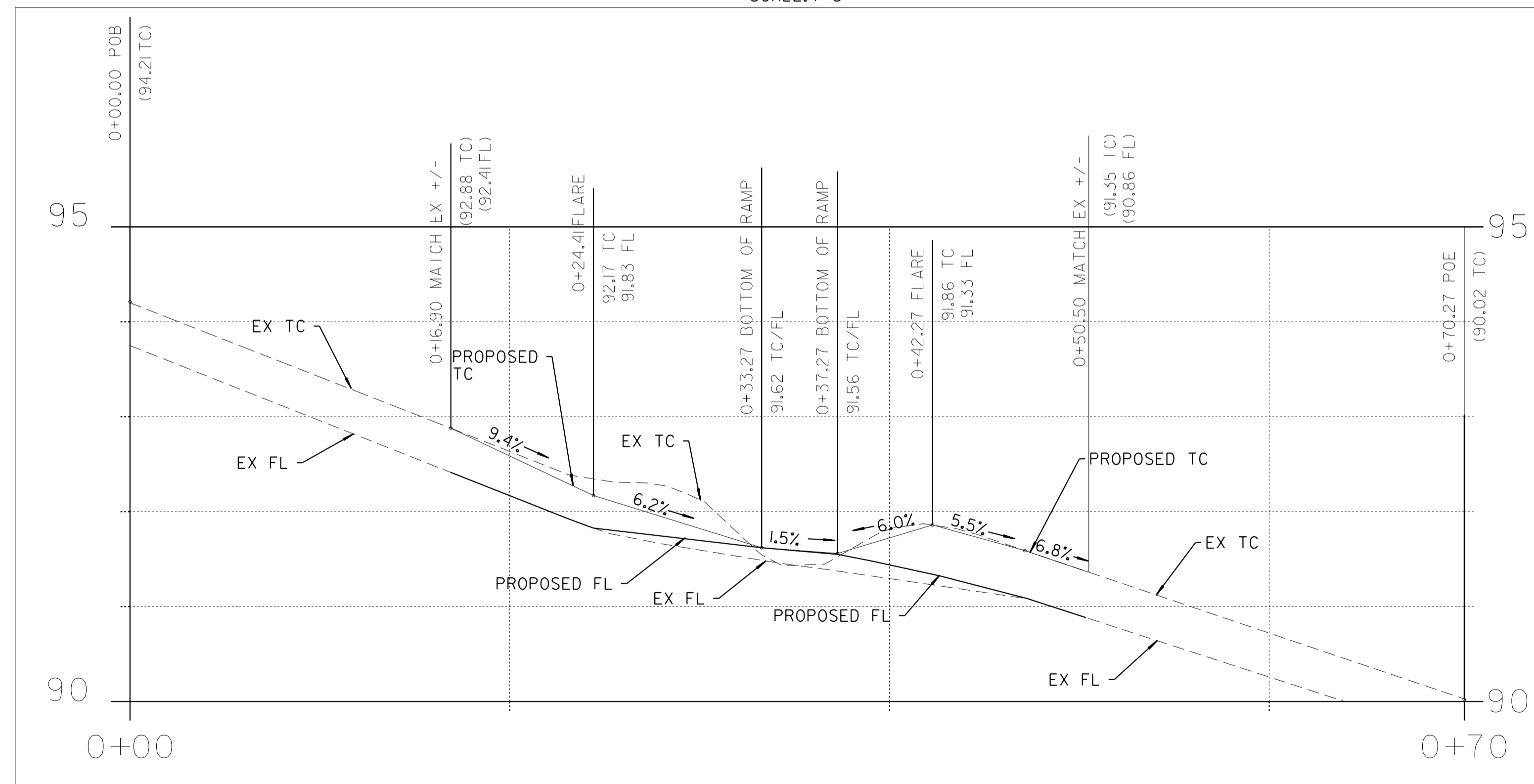
- SUBDIVISION MAPS: 9426, HORTONS ADDITION
- PARCEL MAPS: 19690, 21347
- CORNER RECORDS: 1770, 36736;

BASIS OF BEARINGS/COORDINATES:

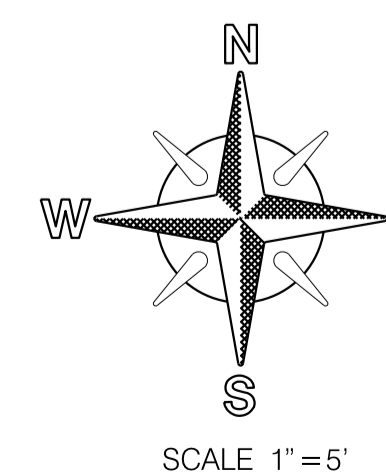
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2014 AND CONSTRAINING TO GPS 173, AND CHECKING GPS 17 (PT# 20017). E. N 04° 04' 52" W.

BENCH:

NEBP 9" & B ST. (PT# 127)
ELEV. 73.542 MSL, BASED ON NGVD 29 FEET
AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK



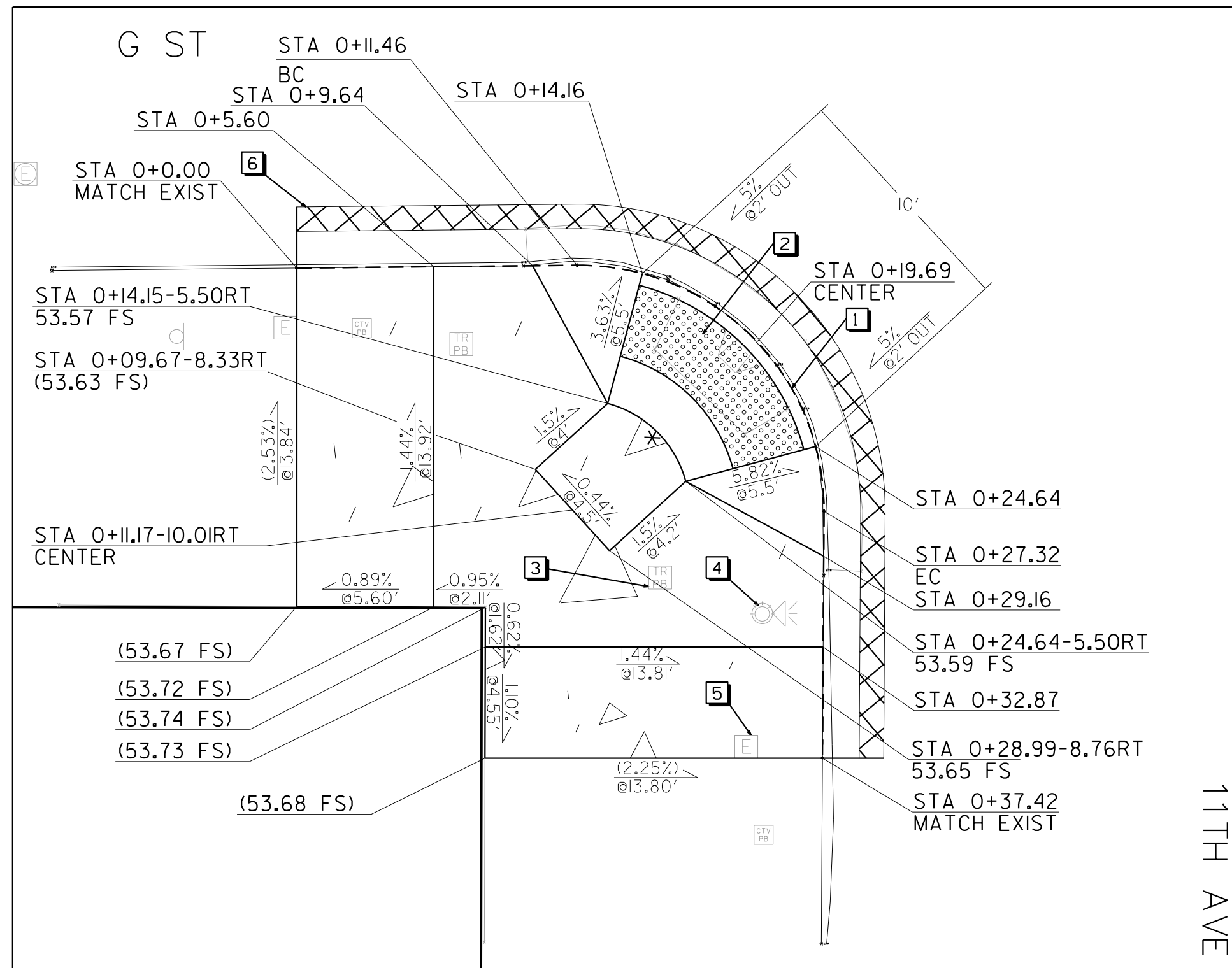
CURB PROFILE
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'



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**CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
A ST AND 9TH AVE - NEC**

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 41 OF 75 SHEETS		WBS# B-17114
APPROVED FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY AVEEN SALEH PROJECT MANAGER
DESCRIPTION	BY	APPROVED DATE
ORIGINAL	CD	AA
CONTRACTOR INSPECTOR	DATE STARTED	DATE COMPLETED
		40677-41-D



SW CORNER MODIFIED TYPE "A" CURB RAMP
SCALE: 1"=5'

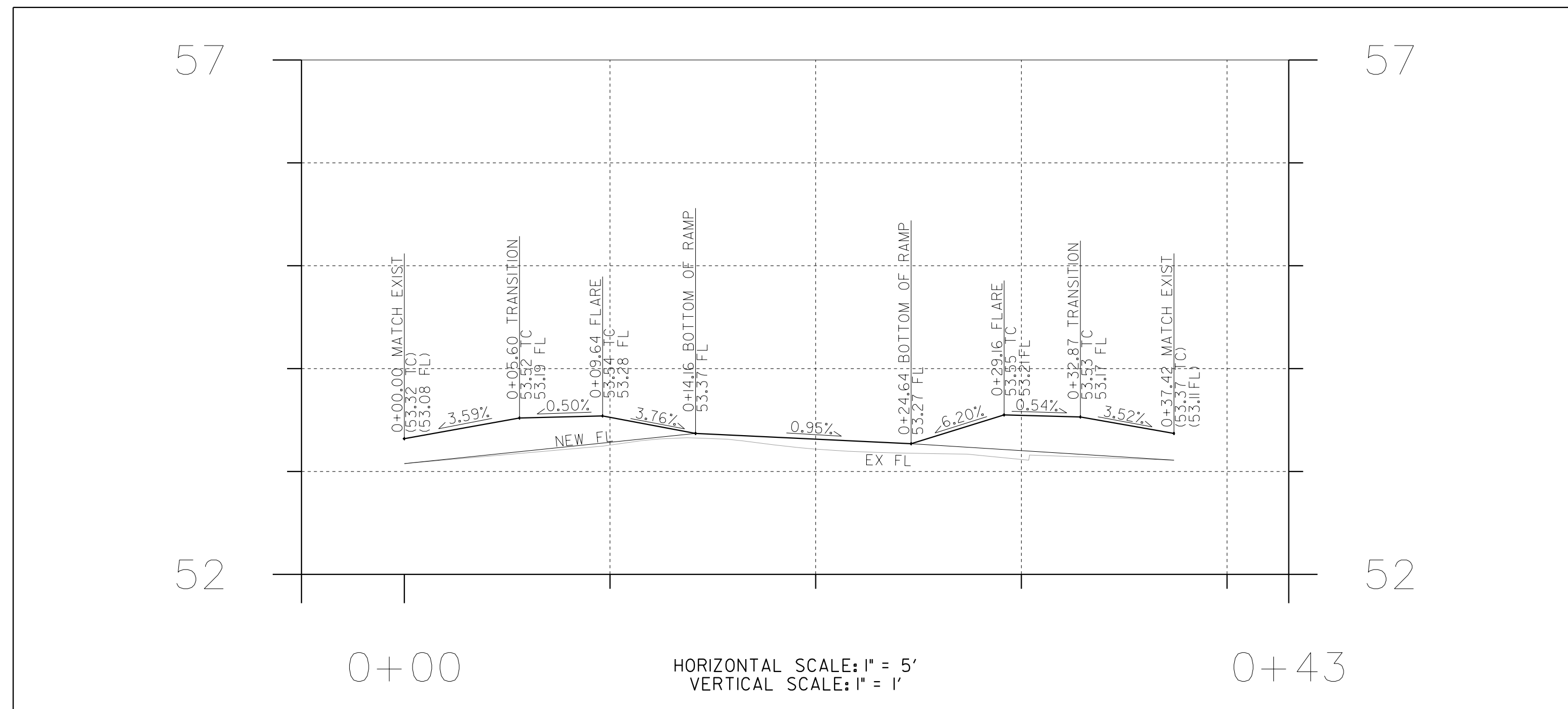
CONSTRUCTION NOTES

- 1 CONSTRUCT MODIFIED TYPE 'A' CURB RAMP PER DETAIL.
- 2 FURNISH AND INSTALL COMPOSITE DETECTABLE WARNING TILE TRIMMED RADIAL TO THE CURB RETURN.
- 3 ADJUST EXISTING PULL BOX TO GRADE.
- 4 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE.
- 5 PROTECT EXISTING CONTROLLER CABINET IN PLACE.
- 6 SAWCUT 1' FROM THE LIP OF GUTTER UNLESS SHOWN OTHERWISE. AC PATCH TO MATCH GRADE.

CURB ALIGNMENT DATA

G ST & 11TH AVE	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: SW	Vertical Alignment: SW_Vertical
Station Northing Easting	Station Elevation
Element: Linear	Element: Linear
PI () 0+00.00 1840237.16 6283348.44	PVI 0+00.00 53.32 PVI 0+05.60 53.52
BC () 0+11.46 1840237.27 6283359.90	Tangent Grade: 3.59%
Tangential Direction: N 89° 26' 28" E	Tangent Length: 5.60
Tangential Length: 11.46	
Element: Circular	Element: Linear
BC () 0+11.46 1840237.27 6283359.90	PVI 0+05.60 53.52 PVI 0+09.64 53.54
PI () 0+21.62 1840237.37 6283370.06	Tangent Grade: 0.50%
CC () 1840227.27 6283359.99	Tangent Length: 4.04
EC () 0+27.32 1840227.21 6283369.99	Element: Linear
Radius: 10.00	PVI 0+09.64 53.54 PVI 0+14.16 53.37
Delta: 90° 54' 45" Right	Tangent Grade: -3.76%
Length: 15.87	Tangent Length: 4.52
Element: Linear	Element: Linear
EC () 0+27.32 1840227.21 6283369.99	PVI 0+14.16 53.37 PVI 0+24.64 53.27
PI () 0+37.42 1840217.11 6283369.93	Tangent Grade: -0.95%
Tangential Direction: S 0° 21' 13" W	Tangent Length: 10.48
Tangential Length: 10.10	Element: Linear
	PVI 0+24.64 53.27 PVI 0+29.16 53.55
	Tangent Grade: 6.19%
	Tangent Length: 4.52
	Element: Linear
	PVI 0+29.16 53.55 PVI 0+32.87 53.53
	Tangent Grade: -0.54%
	Tangent Length: 3.71
	Element: Linear
	PVI 0+32.87 53.53 PVI 0+37.42 53.37
	Tangent Grade: -3.52%
	Tangent Length: 4.55

SW RAMP PROFILE AT TC



TOPOGRAPHY SOURCE

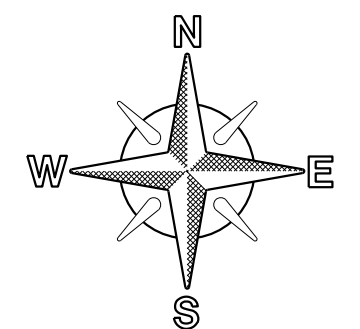
BASED ON FIELD SURVEY PERFORMED BY M. MEYER ON MARCH 2, 2021. WORK ORDER NO. B-17114.

BENCHMARK

SWBP HAWTORN ST & PACIFIC HIGHWAY (PT#50) ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES

DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 17 (PT#20017), I.E. N04° 04'52"W.

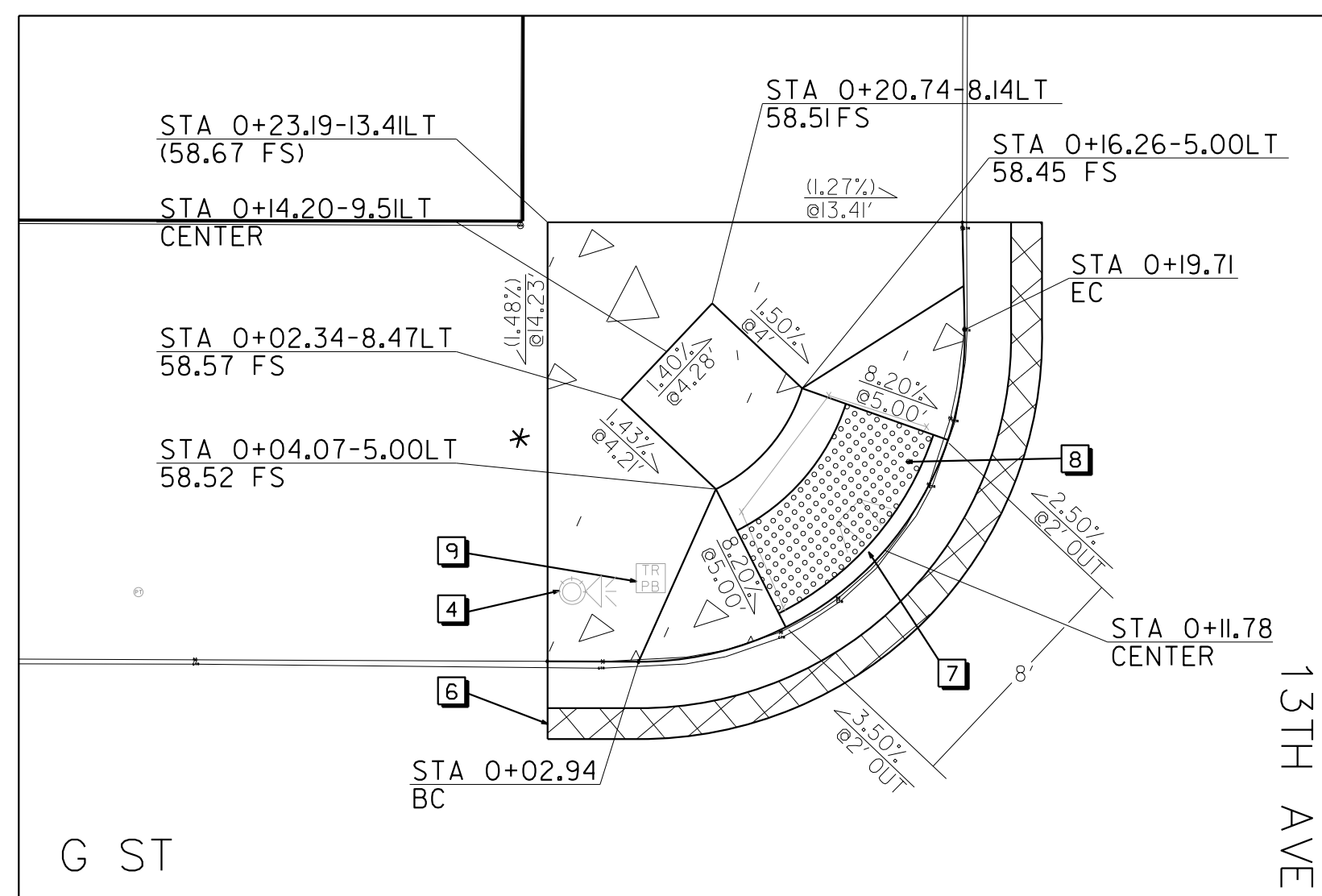


C-39

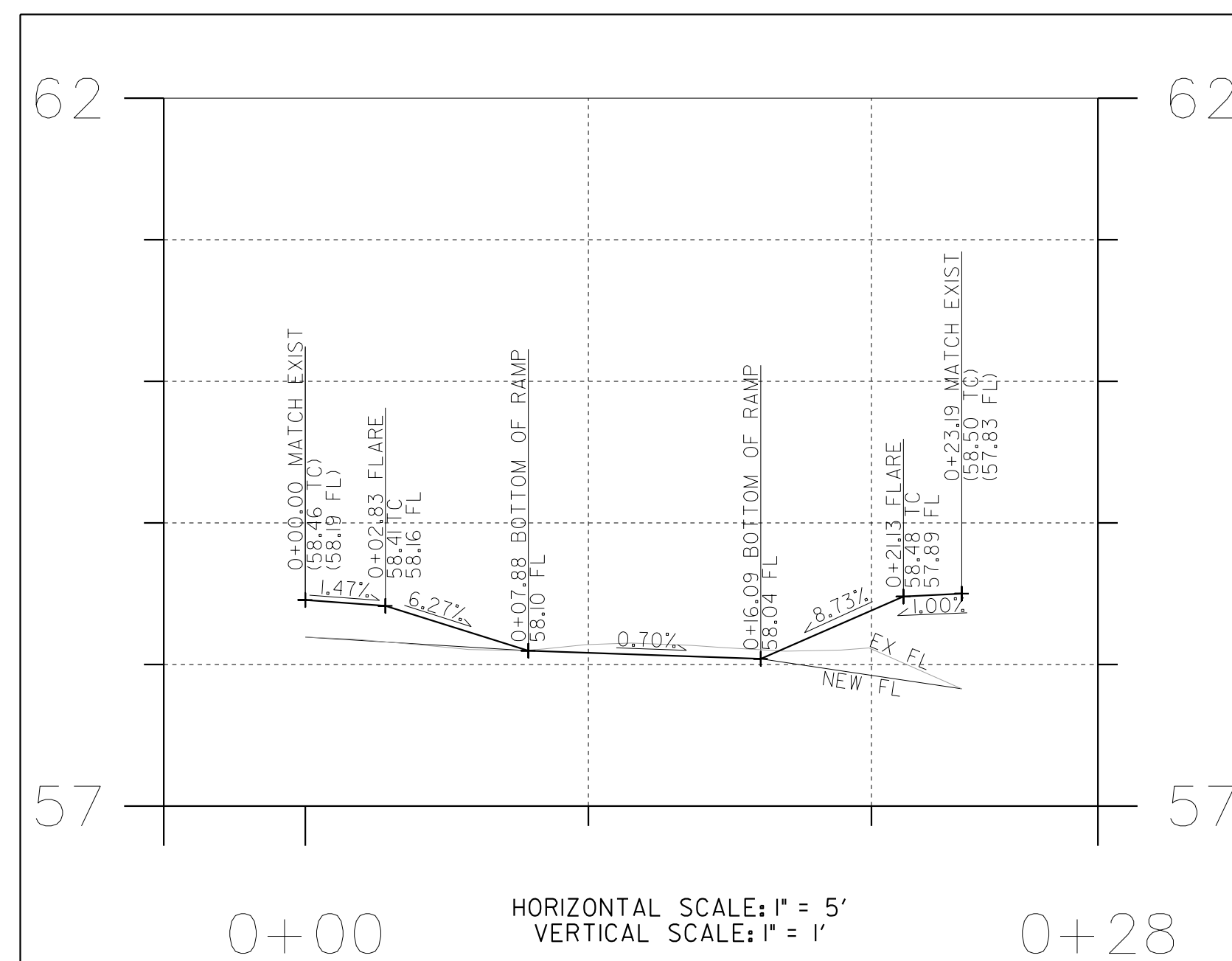
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
G ST AND 11TH AVE - SWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 42 OF 75 SHEETS		WBS# B-17114
APPROVED:	DATE:	SUBMITTED BY:
FOR CITY ENGINEER	DATE	AVEEN SALEH
DAYLIE ZHANG	C70971	PROJECT MANAGER
PRINT DCE NAME	RCE#	JINSIL KIM
DESCRIPTION	BY	APPROVED
ORIGINAL	JK	DATE
		FILED
CONTRACTOR	DATE STARTED	206-1713
INSPECTOR	DATE COMPLETED	CCS27 COORDINATE
		1846-6274
		CCS83 COORDINATE
		40677-42-D

NW RAMP PROFILE AT TC



NW CORNER MODIFIED TYPE "A" CURB RAMP
SCALE: 1"=5'



CURB ALIGNMENT DATA

G ST & 13TH AVE - NWC	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: NW Alignment Station Northing Easting Element: Linear PI () 0+00.00 1840287.81 6283917.59 BC () 0+02.94 1840287.80 6283920.53 Tangential Direction: S 89° 45' 08" E Tangential Length: 2.94	Vertical Alignment: NW_Ver Station Elevation Element: Linear POB 0+00.00 58.46 PVI0+02.83 58.41 Tangent Grade: -1.47% Tangent Length: 2.83
Element: Circular BC () 0+02.94 1840287.80 6283920.53 PI () 0+13.72 1840287.75 6283931.31 CC () 1840298.30 6283920.58 EC () 0+19.71 1840298.53 6283931.08 Radius: 10.50 Delta: 91° 30' 32" Left Length: 16.77	Element: Linear PVI0+02.83 58.41 PVI0+07.88 58.10 Tangent Grade: -6.27% Tangent Length: 5.05
Element: Linear EC () 0+19.71 1840298.53 6283931.08 PI () 0+23.19 1840302.00 6283931.00 Tangential Direction: N 1° 15' 40" W Tangential Length: 3.47	Element: Linear PVI0+07.88 58.10 PVI0+16.09 58.04 Tangent Grade: -0.70% Tangent Length: 8.21
	Element: Linear PVI0+16.09 58.04 PVI0+21.13 58.48 Tangent Grade: 8.73% Tangent Length: 5.04
	Element: Linear PVI0+21.13 58.48 POE 0+23.19 58.50 Tangent Grade: 1.00% Tangent Length: 2.06

TOPOGRAPHY SOURCE

BASED ON FIELD SURVEY PERFORMED BY M. MEYER ON MARCH 2, 2021. WORK ORDER NO. B-17114.

BENCHMARK

SWBP HAWTORN ST & PACIFIC HIGHWAY (PT#50) ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

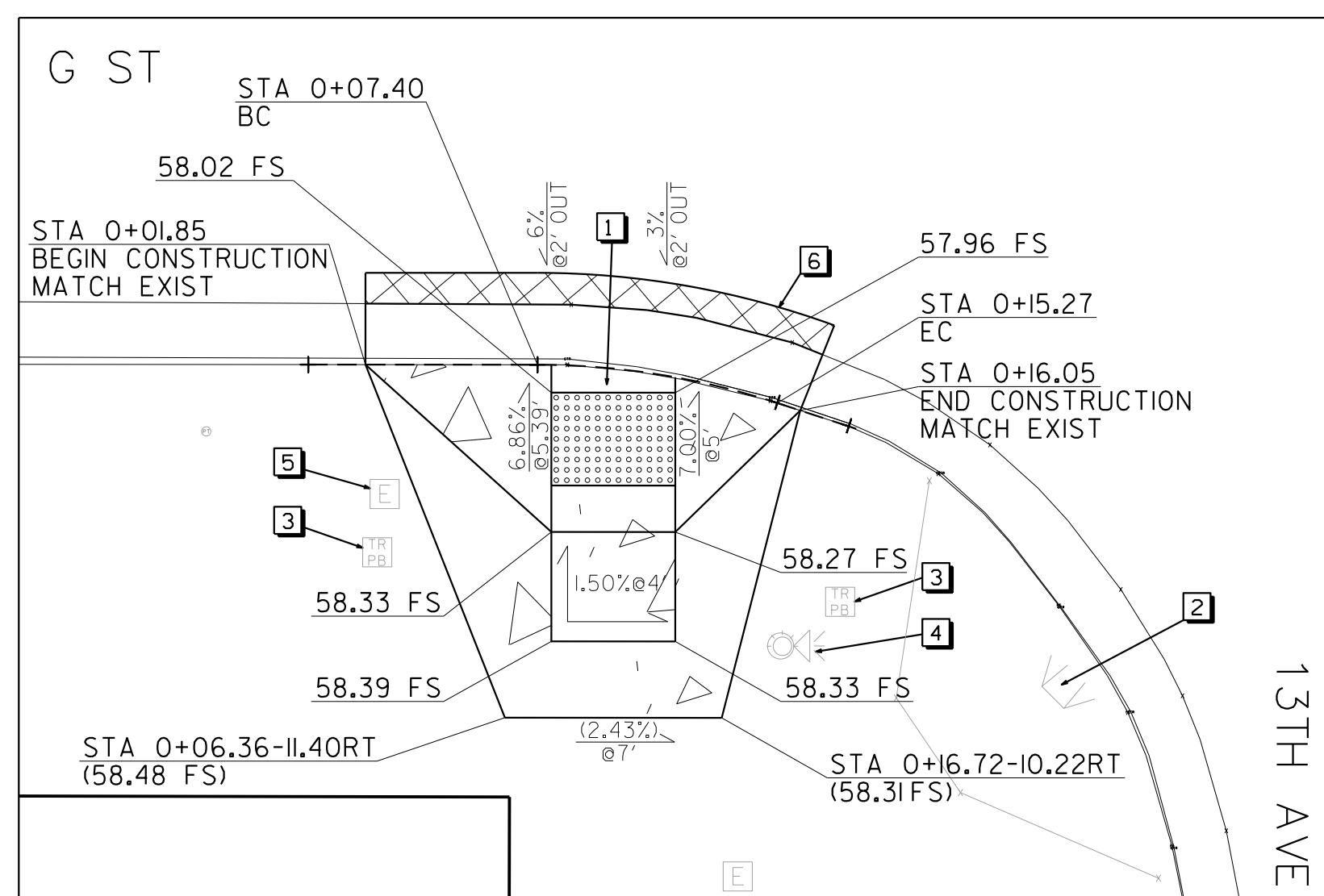
BASIS OF BEARINGS/COORDINATES

DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 17 (PT#20017), I.E. N04° 04' 52" W.

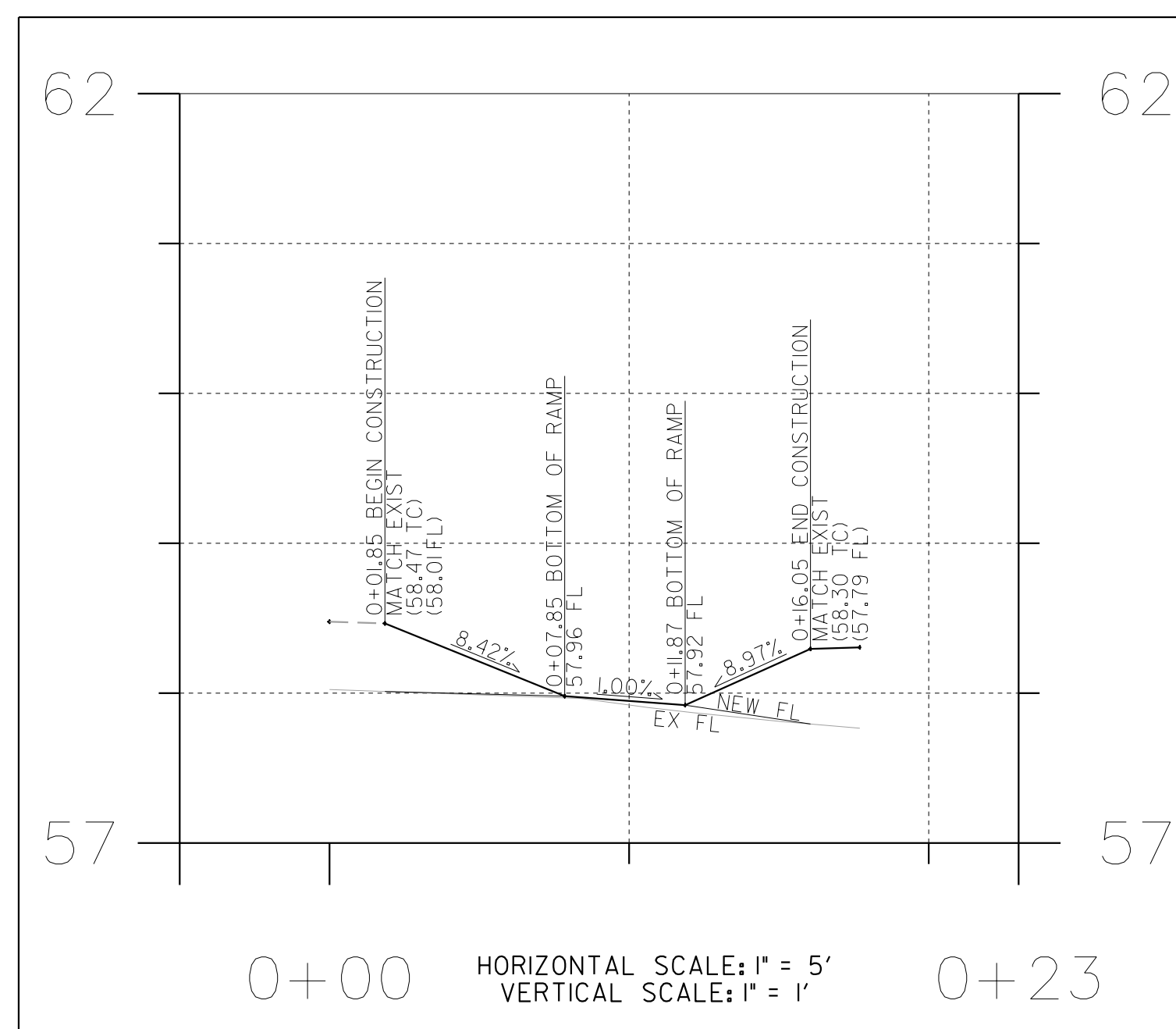
CONSTRUCTION NOTES

- 1 CONSTRUCT MODIFIED TYPE 'B' CURB RAMP PER DETAIL.
- 2 PROTECT EXISTING CURB RAMP IN PLACE.
- 3 PROTECT EXISTING PULL BOX IN PLACE.
- 4 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE.
- 5 PROTECT EXISTING CONTROLLER CABINET IN PLACE.
- 6 SAWCUT 1' FROM THE LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 7 CONSTRUCT MODIFIED TYPE 'A' CURB RAMP PER DETAIL.
- 8 FURNISH AND INSTALL COMPOSITE DETECTABLE WARNING TILE TRIMMED RADIAL TO THE CURB RETURN.
- 9 ADJUST EXISTING PULL BOX TO GRADE.

SW RAMP PROFILE AT TC

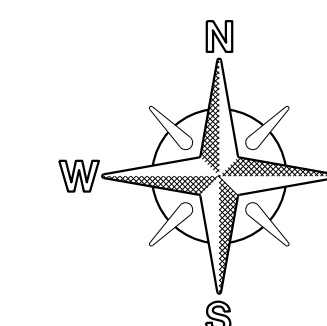


SW CORNER MODIFIED TYPE "B" CURB RAMP
SCALE: 1"=5'



CURB ALIGNMENT DATA

G ST & 13TH AVE - SWC	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: SW Alignment Station Northing Easting Element: Linear PI () 0+00.00 1840236.00 6283910.12 BC () 0+07.40 1840236.00 6283917.52 Tangential Direction: S 89° 57' 17" E Tangential Length: 7.40	Vertical Alignment: SW_Ver Station Elevation Element: Linear PVI0+00.00 58.48 PVI0+01.85 58.47 Tangent Grade: -0.62% Tangent Length: 1.85
Element: Circular BC () 0+07.40 1840236.00 6283917.52 PI () 0+11.37 1840236.00 6283921.48 CC () 1840211.00 6283917.50 EC () 0+15.27 1840234.76 6283925.26 Radius: 25.00 Delta: 18° 02' 16" Right Length: 7.87	Element: Linear PVI0+01.85 58.47 PVI0+07.85 57.96 Tangent Grade: -8.42% Tangent Length: 6.00
Element: Linear EC () 0+15.27 1840234.76 6283925.26 PI () 0+17.70 1840234.01 6283927.57 Tangential Direction: S 71° 55' 01" E Tangential Length: 2.43	Element: Linear PVI0+07.85 57.96 PVI0+11.87 57.92 Tangent Grade: -1.00% Tangent Length: 4.02
	Element: Linear PVI0+11.87 57.92 PVI0+16.05 58.30 Tangent Grade: 8.97% Tangent Length: 4.18
	Element: Linear PVI0+16.05 58.30 PVI0+17.70 58.31 Tangent Grade: 0.61% Tangent Length: 1.65



C-40

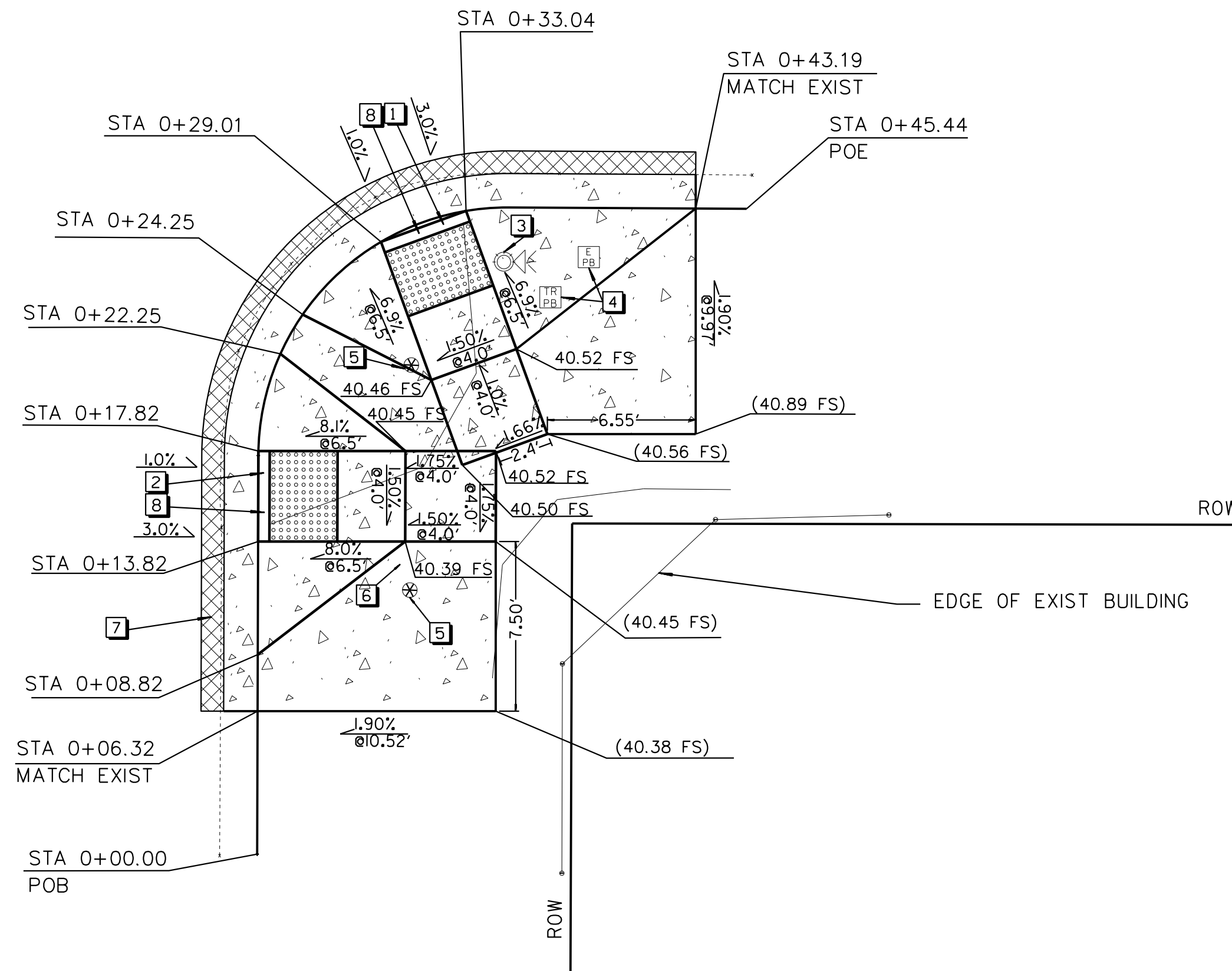
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
G ST AND 13TH AVE - NWC & SWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 43 OF 75 SHEETS		WBS# B-17114										
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYLIE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JINSIL KIM PROJECT ENGINEER											
<table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>BY</th> <th>APPROVED</th> <th>DATE</th> <th>FILMED</th> </tr> </thead> <tbody> <tr> <td>ORIGINAL</td> <td>JK</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	DESCRIPTION	BY	APPROVED	DATE	FILMED	ORIGINAL	JK				206-1713 CCS27 COORDINATE 1846-6274 CCS83 COORDINATE	CONTRACTOR _____ DATE STARTED _____ INSPECTOR _____ DATE COMPLETED _____
DESCRIPTION	BY	APPROVED	DATE	FILMED								
ORIGINAL	JK											
		40677-43-D										

G ST

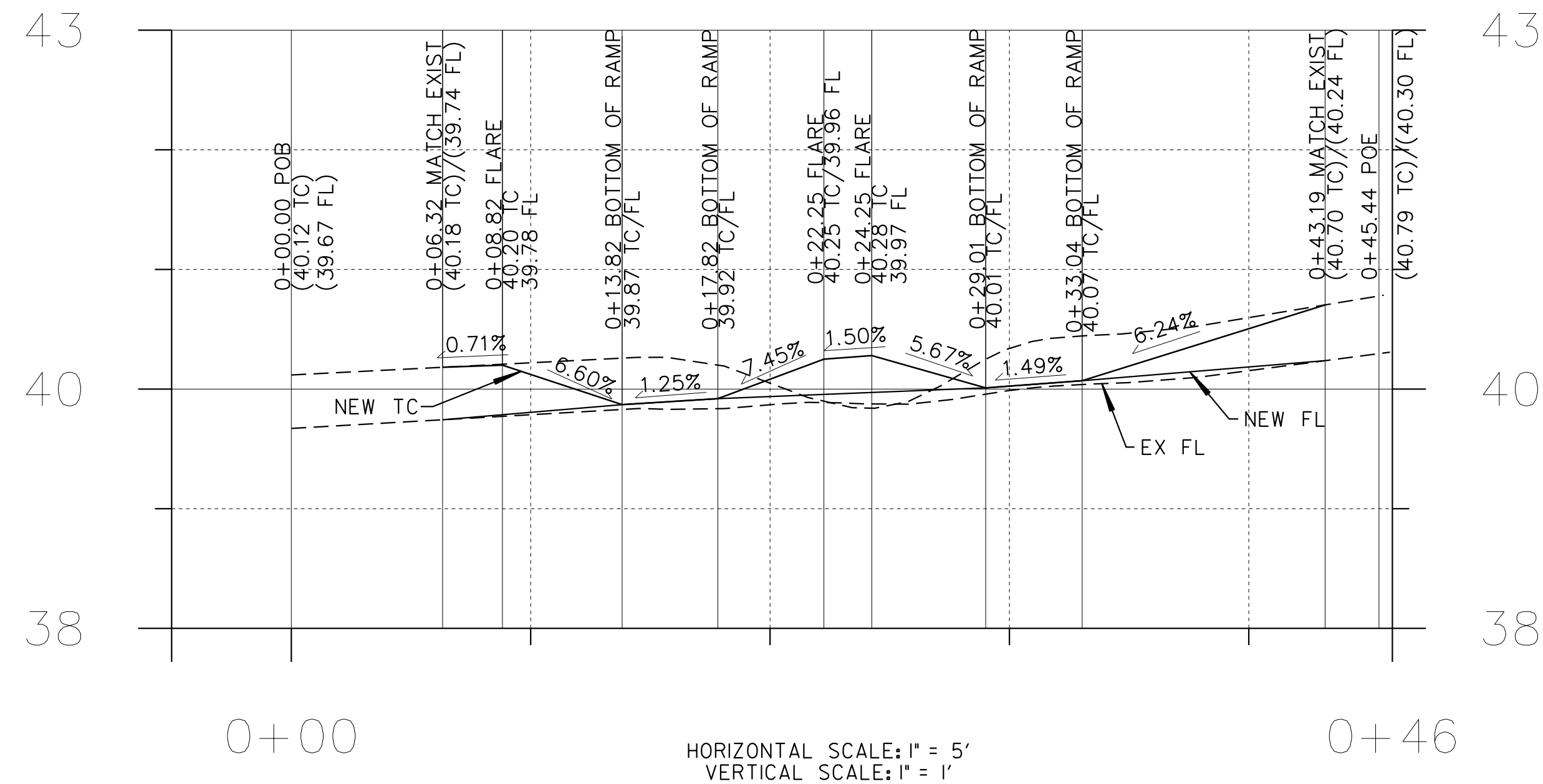
CURB ALIGNMENT DATA:

G ST AND 15TH ST - SEC	
HORIZONTAL ALIGNMENT	
Alignment: G ST AND 15TH ST - SEC	
POINT STATION	NORTHING (Y) EASTING (X) ELEMENT BRG/DELTA DIST/LENGTH
PI 0+00.00	1840205.51 6284743.31 STRAIGHT N 0° 10' 10" E D = 17.62
BC 0+17.62	1840223.13 6284743.36 R = +11.00 DELTA = 90° 09' 03" RT L = 17.31
EC 0+34.93	1840234.10 6284754.43 STRAIGHT S 89° 40' 47" E D = 10.51
PI 0+45.44	1840234.04 6284764.94



SE CORNER TYPE A AND TYPE B RAMPS
SCALE: 1"=5'

SE RAMPS PROFILE AT TC



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

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE 'A' CURB RAMP PER SDG-132 AND DETAIL.
- 2 CONSTRUCT TYPE 'B' CURB RAMP PER SDG-133 AND DETAIL.
- 3 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 4 ADJUST EXIST PULL BOX TO GRADE.
- 5 EXIST SURVEY MONUMENT TO BE PERPETUATED.
- 6 RELOCATE EXIST CONTRACTOR STAMP.
- 7 SAWCUT 1' FROM THE LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 8 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTER CITY STREETSCAPE MANUAL (CCSM) FOR 'GATEWAY PAVING' SIDEWALK PATTERN AND TREATMENT.

FIELD DATA

TOPOGRAPHY SOURCE:

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON MARCH 24, 2021, WORK ORDER NO. B17114. CURB RAMP IMPROVEMENT GROUP 1701 SITE 10 (VIC G ST & 15TH ST)

REFERENCES:

SUBDIVISION MAP: I43
PARCEL MAP: 20152
RECORD OF SURVEY: 22388
CORNER RECORD: 3204, 5450, 31444

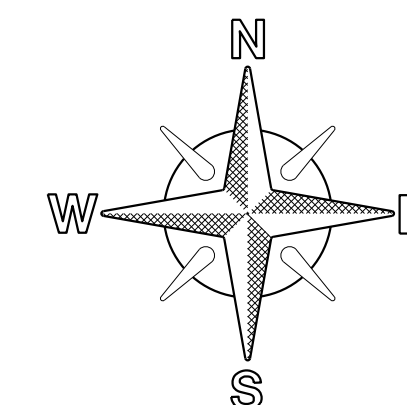
CITY OF SAN DIEGO PRELIMINARY SURVEY FIELD NOTES;
D. COLLINS, CENTER CITY NEW TRAFFIC SIGNALS SITE 2, B18083, 07/23/2018

BASIS OF BEARINGS/COORDINATES:

THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, & GPS 17 (PT 20017), I.E. N 04° 04' 52" W.

BENCHMARK:

SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT 50)
ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK



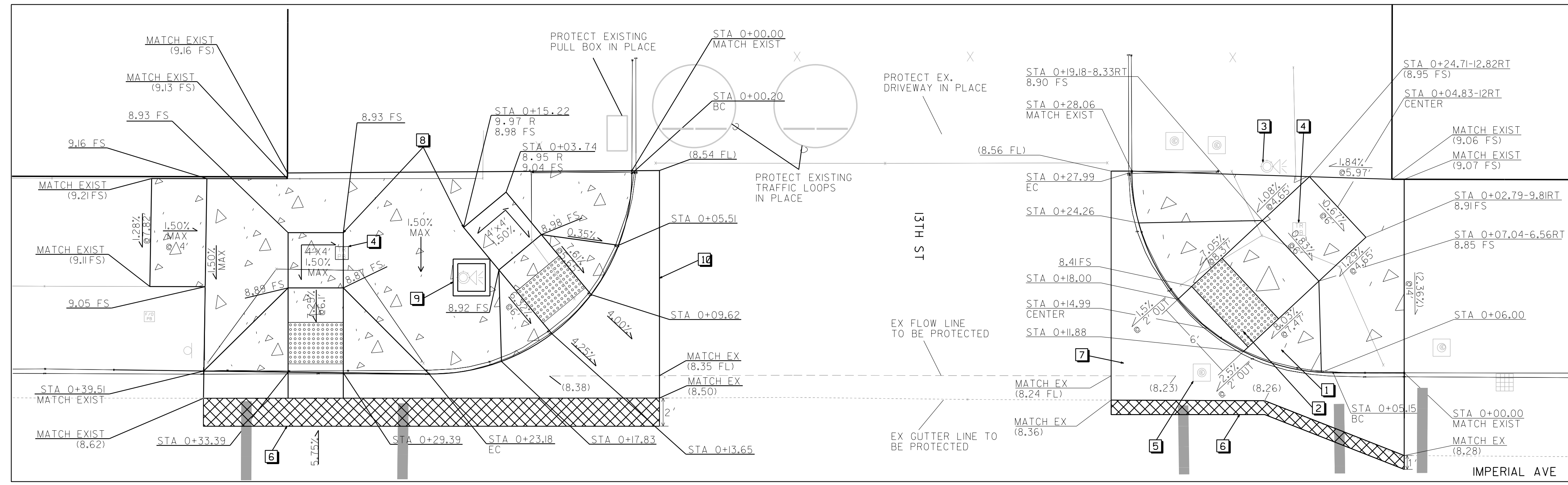
C-41

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
G ST AND 15TH ST - SEC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 44 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYLIE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER
DESCRIPTION	BY	APPROVED
ORIGINAL	JM	
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED

JWAN MUF TI PROJECT ENGINEER
198-1719 CCS27 COORDINATE
6280407-1838444 CCS83 COORDINATE
40677-44-D

CURB RAMP DETAIL



NW CORNER DUAL TYPE "A" CURB RAMPS
SCALE: 1"=5'

NE CORNER MODIFIED TYPE "A" CURB RAMP
SCALE: 1"=5'

- CONSTRUCTION NOTES
1 CONSTRUCT MODIFIED TYPE 'A' CURB RAMP PER DETAIL.
2 FURNISH AND INSTALL COMPOSITE DETECTABLE WARNING TILE TRIMMED RADIAL TO THE CURB RETURN.
3 FURNISH AND INSTALL NEW ADA STANDARD PUSH BUTTON.
4 ADJUST EXISTING PULL BOX TO GRADE.
5 ADJUST EXISTING MANHOLE TO GRADE.
6 SAWCUT PER DETAIL. AC PATCH TO MATCH GRADE.
7 REMOVE AND REPLACE CROSS GUTTER PANEL TO MATCH EXIST. CONTRACTOR TO PROTECT EX FLOW LINE.
8 CONSTRUCT DUAL TYPE 'A' CURB RAMPS PER DETAIL.
9 CONSTRUCT 4' WIDE RETAINING CURB TO THE HEIGHT MATCHING THE BOTTOM OF THE EXISTING POLE BASE PLATE.
10 REMOVE AND REPLACE CROSS GUTTER PANEL TO MATCH EXIST. PROTECT EXISTING FLOW LINE.

TOPOGRAPHY SOURCE
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON FEBRUARY 27, 2019. WORK ORDER NO. B-17114.

BENCHMARK
SEBP IMPERIAL AVE. & 13TH ST. (PT#3)
ELEV. 8.892 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING RECORD OF SURVEY 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 137, I.E. N56°10'28"E.

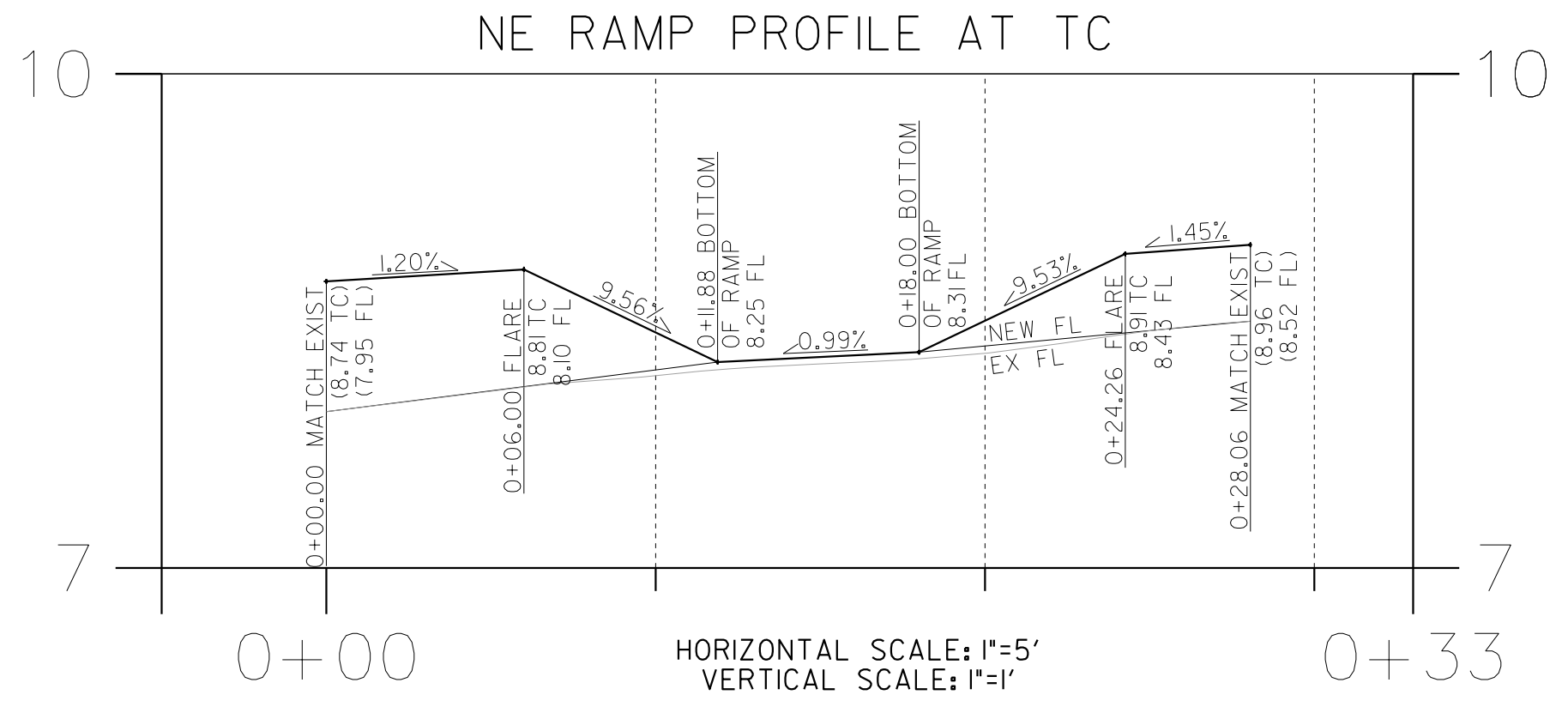
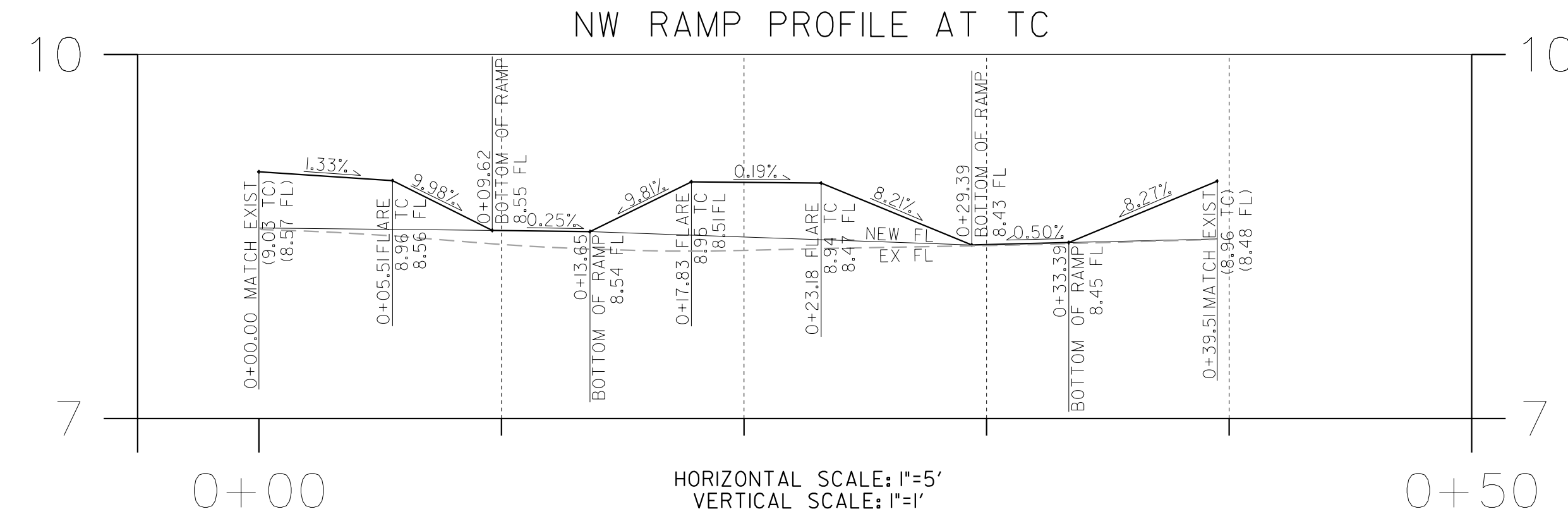
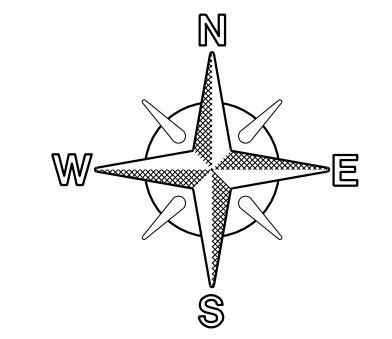


Table with 2 columns: CURB ALIGNMENT DATA and IMPERIAL AVE & 13TH ST NORTHWEST CORNER. Contains alignment, vertical, and element data.

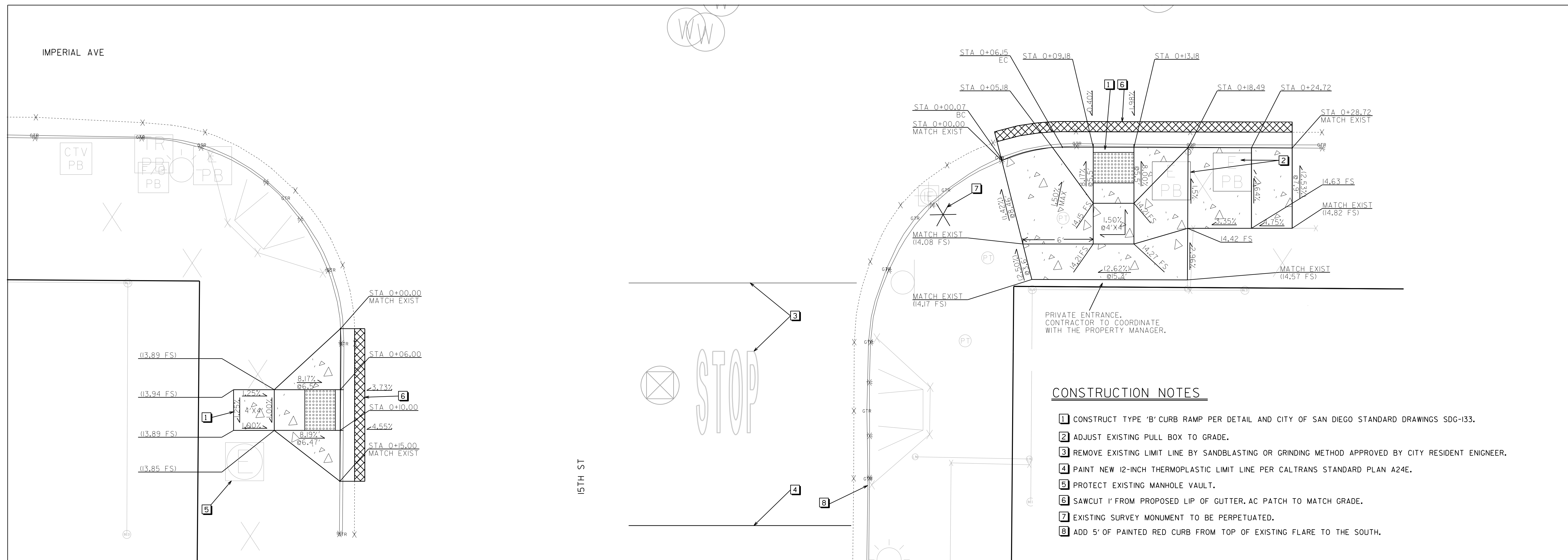
Table with 2 columns: CURB ALIGNMENT DATA and IMPERIAL AVE & 13TH ST NORTHEAST CORNER. Contains alignment, vertical, and element data.



C-42

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
IMPERIAL AVE AND 13TH ST - NWC & NEC

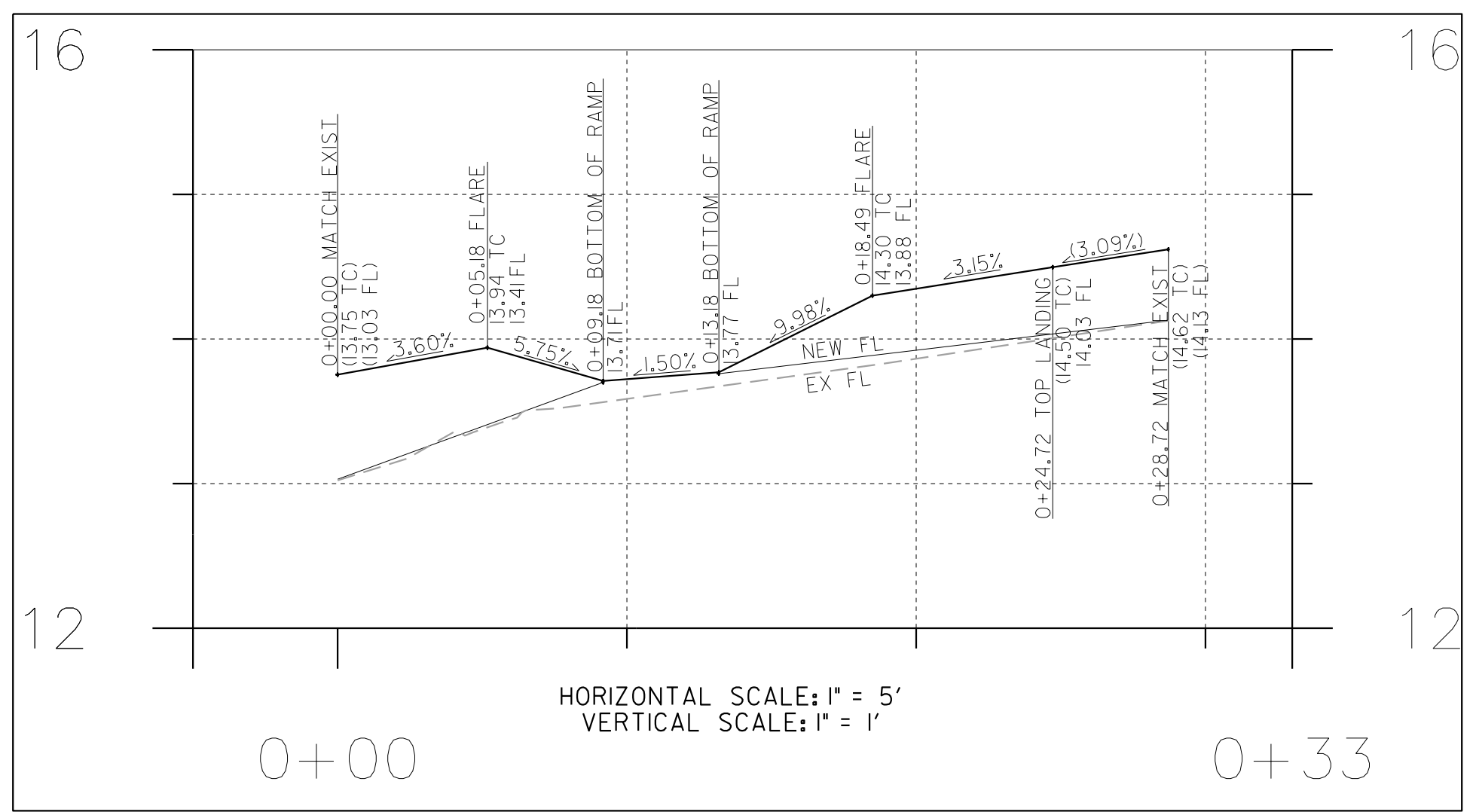
Approval and project information table including City of San Diego, Engineering & Capital Projects Department, and project manager Ali Alaeipour.



- CONSTRUCTION NOTES**
- 1 CONSTRUCT TYPE 'B' CURB RAMP PER DETAIL AND CITY OF SAN DIEGO STANDARD DRAWINGS SDG-133.
 - 2 ADJUST EXISTING PULL BOX TO GRADE.
 - 3 REMOVE EXISTING LIMIT LINE BY SANDBLASTING OR GRINDING METHOD APPROVED BY CITY RESIDENT ENGINEER.
 - 4 PAINT NEW 12-INCH THERMOPLASTIC LIMIT LINE PER CALTRANS STANDARD PLAN A24E.
 - 5 PROTECT EXISTING MANHOLE VAULT.
 - 6 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC PATCH TO MATCH GRADE.
 - 7 EXISTING SURVEY MONUMENT TO BE PERPETUATED.
 - 8 ADD 5' OF PAINTED RED CURB FROM TOP OF EXISTING FLARE TO THE SOUTH.

SOUTH SIDE TYPE "B" CURB RAMPS
SCALE: 1"=5'

SE RAMP PROFILE AT TC



TOPOGRAPHY SOURCE
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON MARCH 3, 2019. WORK ORDER NO. B-17114.

BENCHMARK
SEBP IMPERIAL AVE. & 13TH ST. (PT#3)
ELEV. 8.892 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING RECORD OF SURVEY 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALTRANS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS I73, AND GPS I137, I.E. N56°10'28"E.

CURB ALIGNMENT DATA	
IMPERIAL AVE & 15TH ST SOUTHWEST CORNER	
HORIZONTAL ALIGNMENT	
ALIGNMENT: Imperial and 15th SW	
POB 0+00.00 1837906.29 6284678.70	STRAIGHT S 0°13'33.42" W D = 15.00
POE 0+15.00 1837891.29 6284678.65	

CURB ALIGNMENT DATA		VERTICAL ALIGNMENT	
IMPERIAL AVE & 15TH ST SOUTHWEST CORNER		IMPERIAL AVE & 15TH ST SOUTHWEST CORNER	
HORIZONTAL ALIGNMENT		HORIZONTAL ALIGNMENT	
ALIGNMENT: Imperial & 15th SE		Element: Linear	POB 0+00.00 13.75 PVI0+05.18 13.94
POB 0+00.00 1837922.81 6284743.68	STRAIGHT N 65°18'42.82" E D = 0.07	Tangent Grade: 3.600%	Tangent Length: 5.18
PC 0+00.07 1837922.84 6284743.74	R = +14.00 DELTA = 24°52'33.13" RT L = 6.08	Element: Linear	PVI0+05.18 13.94 PVI0+09.18 13.71
PT 0+06.15 1837924.12 6284749.64	STRAIGHT S 89°48'44.04" E D = 22.57	Tangent Grade: -5.750%	Tangent Length: 4.00
POE 0+28.72 1837924.05 6284772.21		Element: Linear	PVI0+09.18 13.71 PVI0+13.18 13.77
		Tangent Grade: 1.500%	Tangent Length: 4.00
		Element: Linear	PVI0+13.18 13.77 PVI0+18.49 14.30
		Tangent Grade: 9.981%	Tangent Length: 5.31
		Element: Linear	PVI0+18.49 14.30 PVI0+24.72 14.50
		Tangent Grade: 3.154%	Tangent Length: 6.23
		Element: Linear	PVI0+24.72 14.50 POE 0+28.72 14.62
		Tangent Grade: 3.088%	Tangent Length: 4.00

C-43

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
IMPERIAL AVE AND 15TH ST - SOUTH SIDE

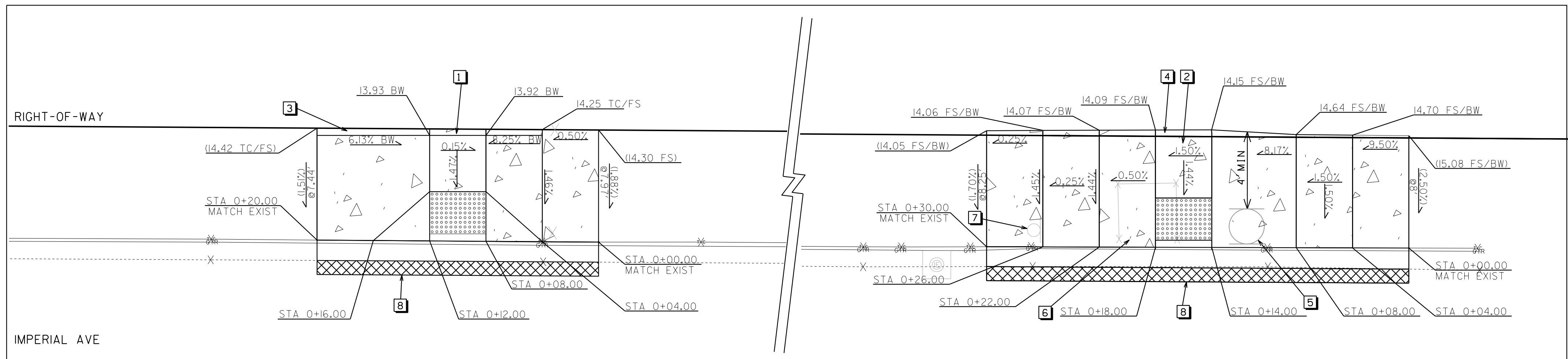
CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS DEPARTMENT
SHEET 46 OF 75 SHEETS

APPROVED: _____ DATE: _____
FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME C70971 RCE#

DATE STARTED _____ DATE COMPLETED _____

CONTRACTOR _____ INSPECTOR _____

SUBMITTED BY: **AVEEN SALEH**
PROJECT MANAGER
JINSIL KIM
PROJECT ENGINEER
194-1719
CCS27 COORDINATE
1834-6280
CCS83 COORDINATE
40677-46-D

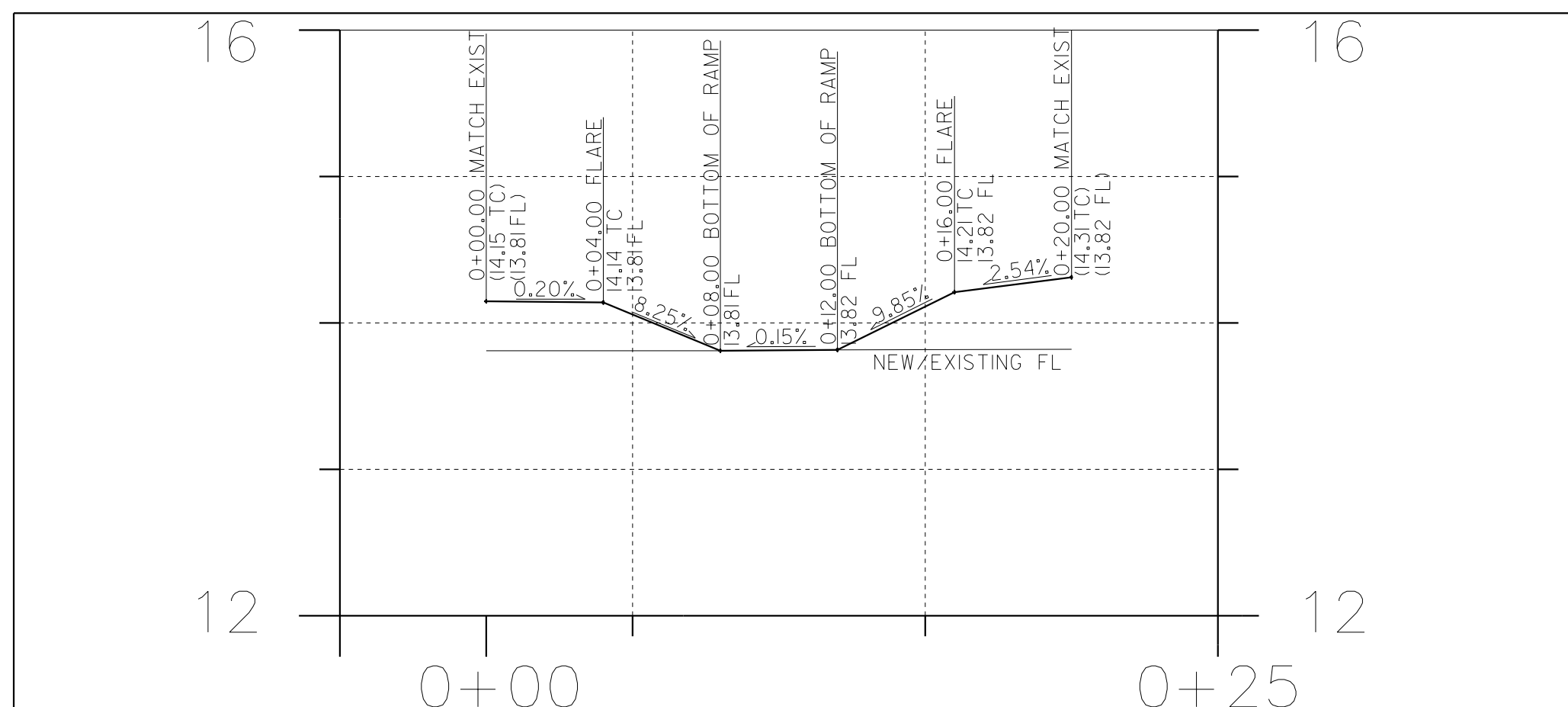


NORTH SIDE TYPE "C1" AND "C2" CURB RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

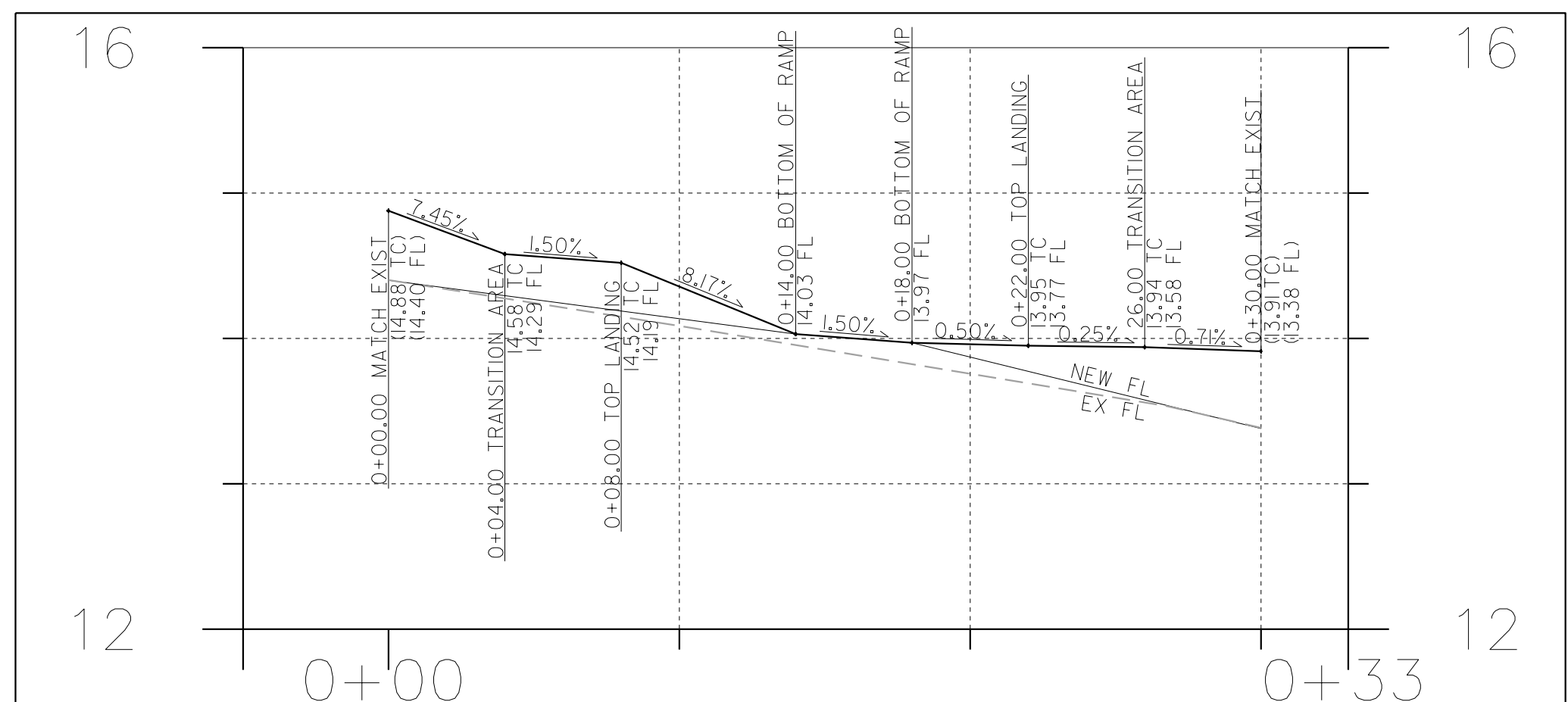
- 1 CONSTRUCT TYPE 'C2' CURB RAMP PER DETAIL AND CITY OF SAN DIEGO STANDARD DRAWINGS SDG-135.
- 2 CONSTRUCT TYPE 'C1' CURB RAMP PER DETAIL AND CITY OF SAN DIEGO STANDARD DRAWINGS SDG-135.
- 3 CONSTRUCT 4" WIDE RETAINING CURB.
- 4 CONSTRUCT 6" WIDE RETAINING CURB.
- 5 PROTECT EXISTING FIRE HYDRANT IN PLACE.
- 6 REMOVE EXISTING TREE. CONTRACTOR TO CONTACT RESIDENT ENGINEER FOR TREE REMOVAL.
- 7 PROTECT EXISTING SIGN IN PLACE.
- 8 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC PATCH TO MATCH GRADE.

NW RAMP PROFILE AT TC



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

NE RAMP PROFILE AT TC



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

TOPOGRAPHY SOURCE

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON MARCH 3, 2019. WORK ORDER NO. B-17114.

BENCHMARK

SEBP IMPERIAL AVE. & 13TH ST. (PT*3)
ELEV. 8.892 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES

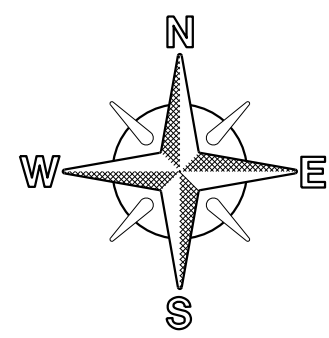
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING RECORD OF SURVEY I4492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 1137, I.E. N56°10'28"E.

CURB RAMP ALIGNMENT DATA

IMPERIAL AVE & 15th ST NORTHWEST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: Imperial & 15th NW	Element: Linear POB 0+00.00 14.15 PVI0+04.00 14.14 Tangent Grade: -0.195% Tangent Length: 4.00
POB 0+00.00 1837982.87 6284684.90 STRAIGHT N 89° 35' 24.39" W D = 20.00	Element: Linear PVI0+04.00 14.14 PVI0+08.00 13.81 Tangent Grade: -8.250% Tangent Length: 4.00
POE 0+20.00 1837983.01 6284664.90	Element: Linear PVI0+08.00 13.81 PVI0+12.00 13.82 Tangent Grade: 0.150% Tangent Length: 4.00
	Element: Linear PVI0+12.00 13.82 PVI0+16.00 14.21 Tangent Grade: 9.850% Tangent Length: 4.00
	Element: Linear PVI0+16.00 14.21 POE 0+20.00 14.31 Tangent Grade: 2.542% Tangent Length: 4.00

CURB RAMP ALIGNMENT DATA

IMPERIAL AVE & 15th ST NORTHEAST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: Imperial & 15th NE	Element: Linear POB 0+00.00 14.88 PVI0+04.00 14.58 Tangent Grade: -7.452% Tangent Length: 4.00
POB 0+00.00 1837982.45 6284770.99 STRAIGHT N 89° 49' 18.35" W D = 30.00	Element: Linear PVI0+04.00 14.58 PVI0+08.00 14.52 Tangent Grade: -1.500% Tangent Length: 4.00
POE 0+30.00 1837982.54 6284740.99	Element: Linear PVI0+08.00 14.52 PVI0+14.00 14.03 Tangent Grade: -8.172% Tangent Length: 6.00
	Element: Linear PVI0+14.00 14.03 PVI0+18.00 13.97 Tangent Grade: -1.500% Tangent Length: 4.00
	Element: Linear PVI0+18.00 13.97 PVI0+22.00 13.95 Tangent Grade: -0.500% Tangent Length: 4.00
	Element: Linear PVI0+22.00 13.95 PVI0+26.00 13.94 Tangent Grade: -0.250% Tangent Length: 4.00
	Element: Linear PVI0+26.00 13.94 POE 0+30.00 13.91 Tangent Grade: -0.711% Tangent Length: 4.00



C-44

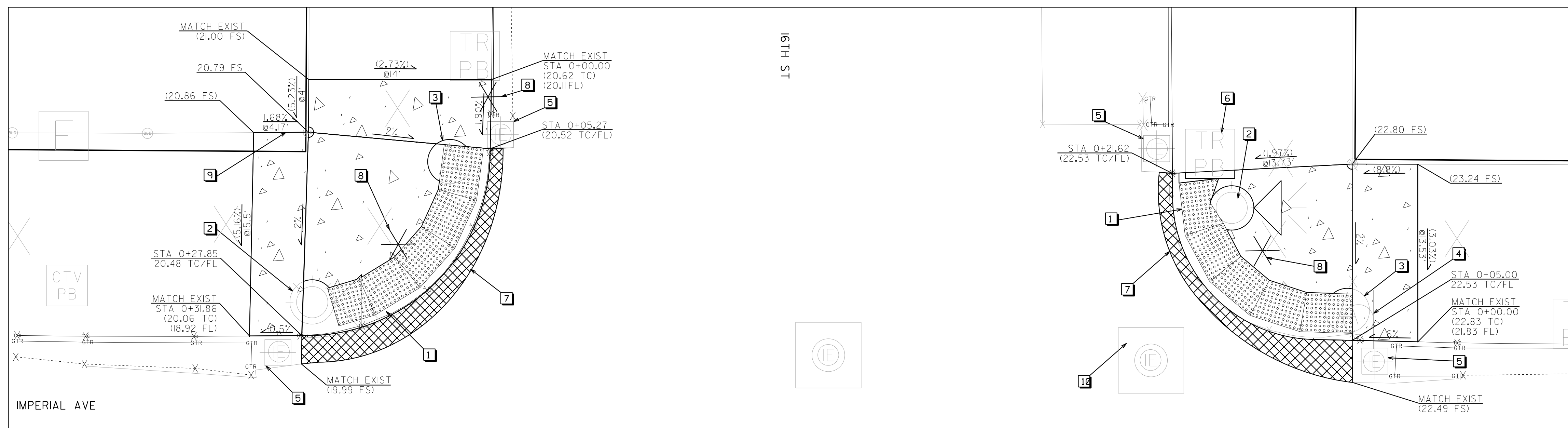
CURB RAMP IMPROVEMENT GROUP 1701

CURB RAMP DETAIL

IMPERIAL AVE AND 15TH ST - NORTH SIDE

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 47 OF 75 SHEETS			WBS# B-17114	
APPROVED: FOR CITY ENGINEER DAYLIE ZHANG PRINT DCE NAME			SUBMITTED BY: AVEEN SALEH PROJECT MANAGER	
DATE C70971 RCE#			PROJECT ENGINEER JINSIL KIM	
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	JK			
			194-1719 CCS27 COORDINATE	
			1834-6280 CCS83 COORDINATE	
CONTRACTOR			DATE STARTED	
INSPECTOR			DATE COMPLETED	
			40677-47-D	

CURB RAMP DETAIL



NORTH SIDE CASE "C" CURB RAMPS
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT MODIFIED CASE C CURB RAMP PER DETAIL AND CITY OF SAN DIEGO STANDARD DRAWINGS SDG-138. USE CAST IN PLACE REPLACEABLE DWT PER CITY AML TO ACCOMMODATE TRIMMING OF PANELS FOR THE RADIUS CORNER.
- 2 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE. FURNISH AND INSTALL NEW ADA STANDARD PUSH BUTTON.
- 3 FURNISH AND INSTALL NEW ADA STANDARD PUSH BUTTON AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CAL TRANS 2018 STANDARD PLAN ES-7A.
- 4 PROTECT EXISTING SIGN IN PLACE.
- 5 PROTECT EXISTING STORM DRAIN INLET IN PLACE.
- 6 PROTECT EXISTING PULL BOX IN PLACE.
- 7 SAWCUT 1' FROM PROPOSED TOP OF CURB. AC PATCH TO MATCH GRADE.
- 8 EXISTING SURVEY MONUMENT TO BE PERPETUATED.
- 9 PROTECT EXISTING PRIVATE ENTRANCE. CONTRACTOR TO COORDINATE WITH THE PROPERTY MANAGER FOR CONSTRUCTION.
- 10 PROTECT EXISTING MANHOLE IN PLACE.

CURB ALIGNMENT DATA	
IMPERIAL AVE & 16TH ST NORTHWEST CORNER HORIZONTAL ALIGNMENT	NORTHEAST CORNER HORIZONTAL ALIGNMENT
ALIGNMENT: Imperial and 16th NW	ALIGNMENT: Imperial and 16th NE
POB 0+00.00 1837994.61 6284960.08 STRAIGHT S 1° 02' 56.37" W D = 5.77	POB 0+00.00 1837974.63 6285030.71 STRAIGHT N 88° 43' 23.00" W D = 7.95
PC 0+05.77 1837988.85 6284959.97 R = +14.00 DELTA = 88° 37' 51.16" RT L = 21.66	PC 0+07.95 1837974.81 6285022.76 R = +11.00 DELTA = 88° 23' 02.28" RT L = 16.97
PT 0+27.43 1837975.10 6284946.05 STRAIGHT S 89° 40' 47.52" W D = 4.43	PT 0+24.92 1837985.74 6285012.00 STRAIGHT N 0° 20' 20.72" W D = 5.43
POE 0+31.86 1837975.08 6284941.62	POE 0+30.35 1837991.17 6285011.97

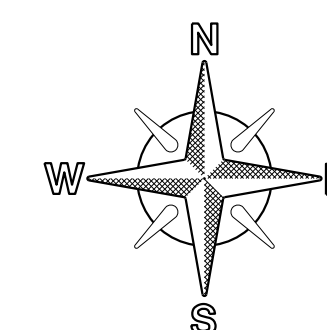
TOPOGRAPHY SOURCE
 BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON MARCH 3, 2019. WORK ORDER NO. B-17114.

BENCHMARK
 SEBP IMPERIAL AVE. & 13TH ST. (PT#3)
 ELEV. 8.892 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES
 THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING RECORD OF SURVEY 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 1137, I.E. N56° 10' 28"E.

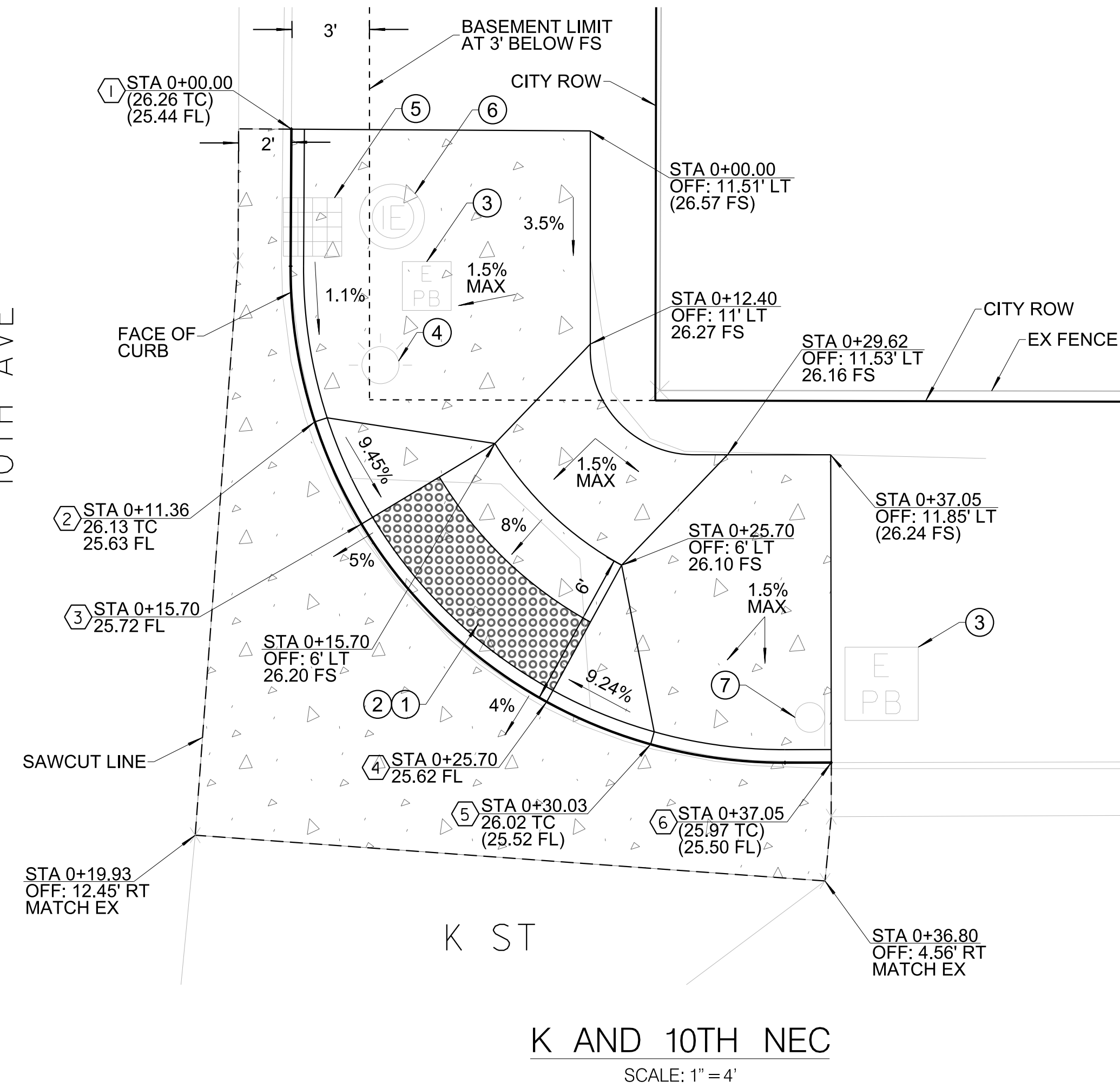
C-45

CURB RAMP IMPROVEMENT GROUP 1701
 CURB RAMP DETAIL
 IMPERIAL AVE AND 16TH ST – NORTH SIDE

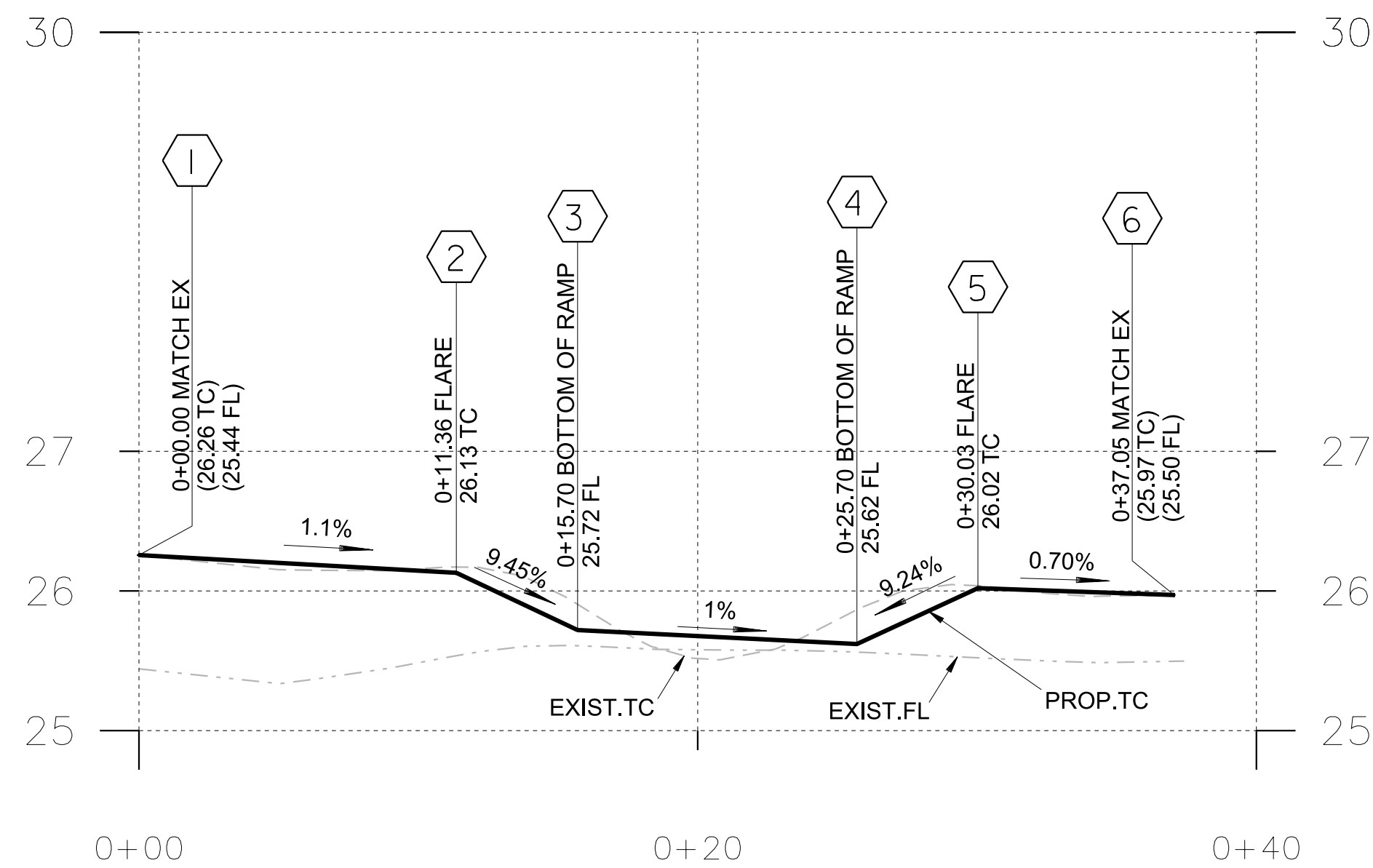


CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 48 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYUE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER	
DESCRIPTION	BY	APPROVED
ORIGINAL	JK	
CONTRACTOR _____ DATE STARTED _____		INSPECTOR _____ DATE COMPLETED _____
		40677-48-D

IOTH AVE



NEC TC PROP



SCALE: HORIZ. 1" = 5'
VERT. 1" = 1'

CONSTRUCTION NOTES:

- 1 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETSCAPE MANUAL (CCSM) FOR "BALLPARK DISTRICT PAVING" SIDEWALK PATTERN AND TREATMENT.
- 2 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 WITH 10' WIDE RAMP OPENING
- 3 ADJUST TO GRADE EX ELEC BOX
- 4 PROTECT IN PLACE EX STREET LIGHT POLE
- 5 PROTECT IN PLACE EX STORM DRAIN INLET
- 6 PROTECT IN PLACE EX MAN HOLE
- 7 PROTECT IN PLACE EX STOP SIGN

LEGEND

- SAWCUT -----
- BASEMENT LIMIT - - - - -

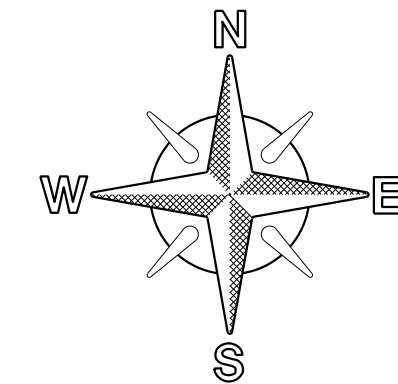
CURB RAMP DATA:

Alignment Name: NEC TC PROP
Alignment Description:
Station Northing Easting

Element: Linear
PI () 0+00.00 1838772.67 6283138.78
BC () 0+05.27 1838767.39 6283138.75
Tangential Direction: S 0°20'08" W
Tangential Length: 5.27

Element: Circular
BC () 0+05.27 1838767.39 6283138.75
PI () 0+24.42 1838748.24 6283138.63
CC () 1838767.28 6283157.75
EC () 0+35.27 1838748.28 6283157.78
Radius: 19.00
Delta: 90°27'07" Left
Length: 29.99

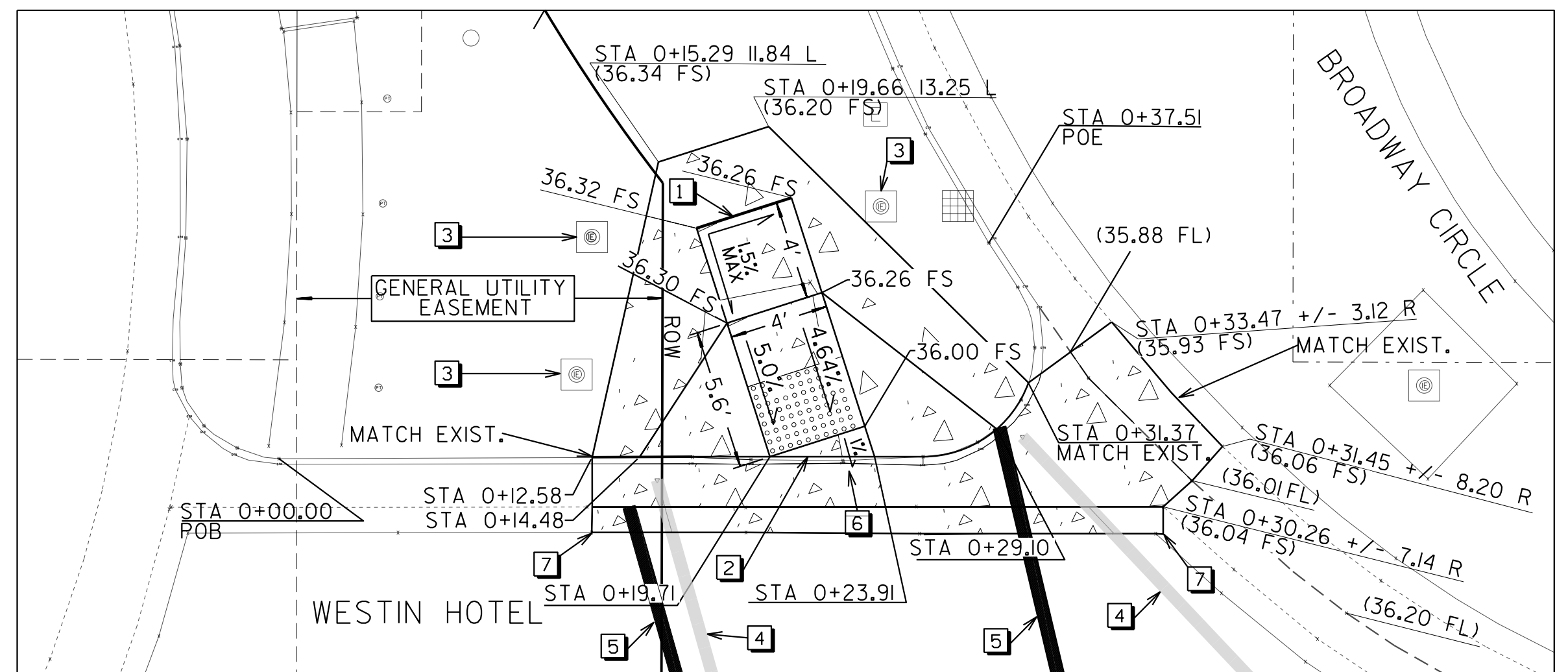
Element: Linear
EC () 0+35.27 1838748.28 6283157.78
PI () 0+37.05 1838748.29 6283159.57
Tangential Direction: N 89°53'02" E
Tangential Length: 1.79



C-46

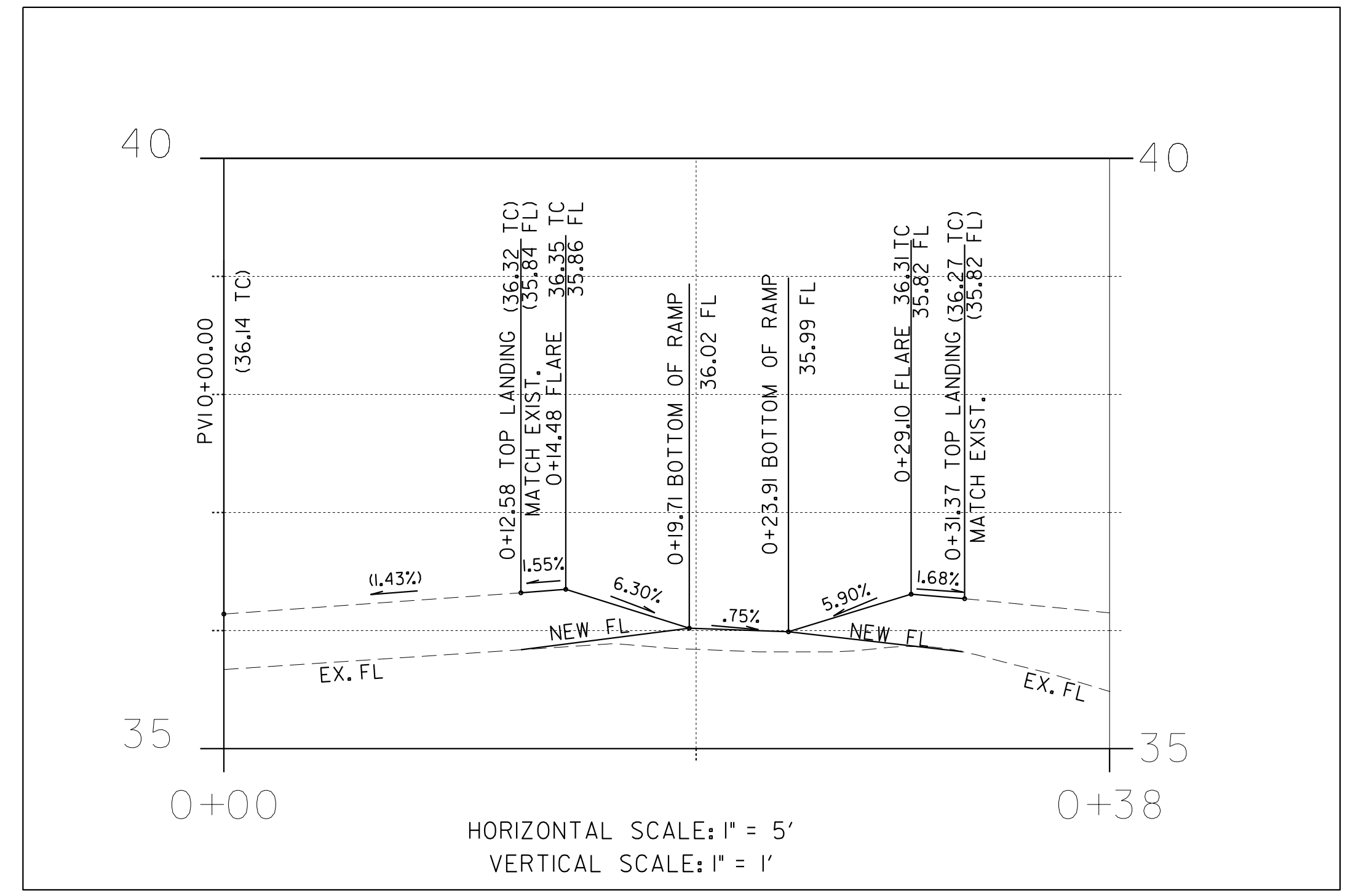
PLANS FOR THE CONSTRUCTION OF
CURB RAMP IMPROVEMENT
GROUP 1701
K ST & 10TH AVE - NEC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 49 OF 75 SHEETS			WBS B-17114		
APPROVED:			SUBMITTED BY:		
FOR CITY ENGINEER: DAYUE ZHANG (PRINT NAME)			AVEEN SALEH (PROJECT MANAGER)		
DATE: 07/09/21			PROJECT ENGINEER: EPHRIAM BEKELE		
DESCRIPTION	BY	APPROVED	DATE	FILMED	
ORIGINAL	AS/EB				198-1719
					CCS27 COORDINATE
					1838-6280
					CCS83 COORDINATE
CONTRACTOR		NTP DATE			40677-49-D
INSPECTOR		NOC DATE			



WEST CORNER TYPE "B" CURB RAMP
SCALE: 1"=5'

WEST RAMP PROFILE AT TC



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

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "B" CURB RAMP PER SDG-133 AND DETAIL.
- 2 PAINT NEW CURB RED FROM STA 0+12.58 TO STA 0+31.37.
- 3 EXISTING MANHOLE TO BE PROTECTED IN PLACE.
- 4 REMOVE EXISTING THERMOPLASTIC LIMIT LINE
- 5 INSTALL LIMIT LINE AT CURB RAMP STATION LOCATION AS SHOWN PER SDM-116. NOTE 2. SEE SHEET C-39 FOR OPPOSING RAMP LOCATION.
- 6 MAINTAIN LEVEL LANDING AT MIN 1% SLOPE FOR DRAINAGE.
- 7 SAWCUT AT CONCRETE EDGE FROM PROPOSED LIP OF GUTTER, AND CONCRETE PATCH TO MATCH GRADE.

FIELD DATA

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON OCTOBER 16, 2018. WORK ORDER NO B-17114.

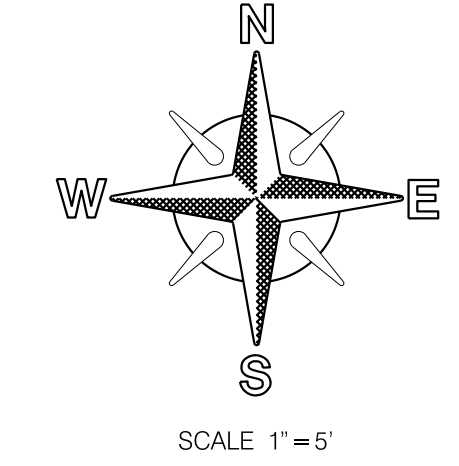
REFERENCES:
CITY OF SAN DIEGO PRELIMINARY SURVEY FIELD NOTES; GJ 1701 AREA 3 SITE 8, 07/13/2018, K. PAWLOSKI, 200-1719, B-17114 SUBDIVISION MAP; HORTON'S ADD LOCKLING PARCEL MAPS: 13369, 21100 CITY OF SAN DIEGO DRAWINGS: 16142-B, 16672-B, 18604-D

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173 AND GPS 17 (PT. 20017), I.E. N 04° 04' 52" W.

BENCH:
SWBP HAWTHORN ST AND PACIFIC HWY (PT# 50) ELEV. 14.239 MSL. BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

CURB ALIGNMENT DATA:

BROADWAY CIRCLE AND WESTIN HOTEL-WEST CORNER (#4)	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: Broadway Cir & Westin WC TC PROP #4	
POB 0+00.00 1841045.69 6280834.76 STRAIGHT N 89° 43' 26.11" E D = 16.60	Element: Linear POB 0+00.00 35.94 PVI 0+12.58 36.32 Tangent Grade: 3.02% Tangent Length: 12.58
PI 0+16.60 1841045.77 6280851.36 STRAIGHT S 90° 00' 00.00" E D = 9.26	Element: Linear PVI 0+12.58 36.32 PVI 0+14.48 36.35 Tangent Grade: 1.55% Tangent Length: 1.90
PC 0+25.86 1841045.77 6280860.62 R = -4.50 DELTA = 126° 10' 43.36" LT L = 9.91	Element: Linear PVI 0+14.48 36.35 PVI 0+19.71 36.02 Tangent Grade: -6.30% Tangent Length: 5.23
PT 0+35.77 1841052.93 6280864.26 STRAIGHT N 36° 10' 43.36" W D = 1.74	Element: Linear PVI 0+19.71 36.02 PVI 0+23.71 35.99 Tangent Grade: -0.75% Tangent Length: 4.00
POE 0+37.51 1841054.33 6280863.23	Element: Linear PVI 0+23.71 35.99 PVI 0+29.10 36.31 Tangent Grade: 5.90% Tangent Length: 5.39
	Element: Linear PVI 0+29.10 36.31 POE 0+31.37 36.27 Tangent Grade: -1.68% Tangent Length: 2.27



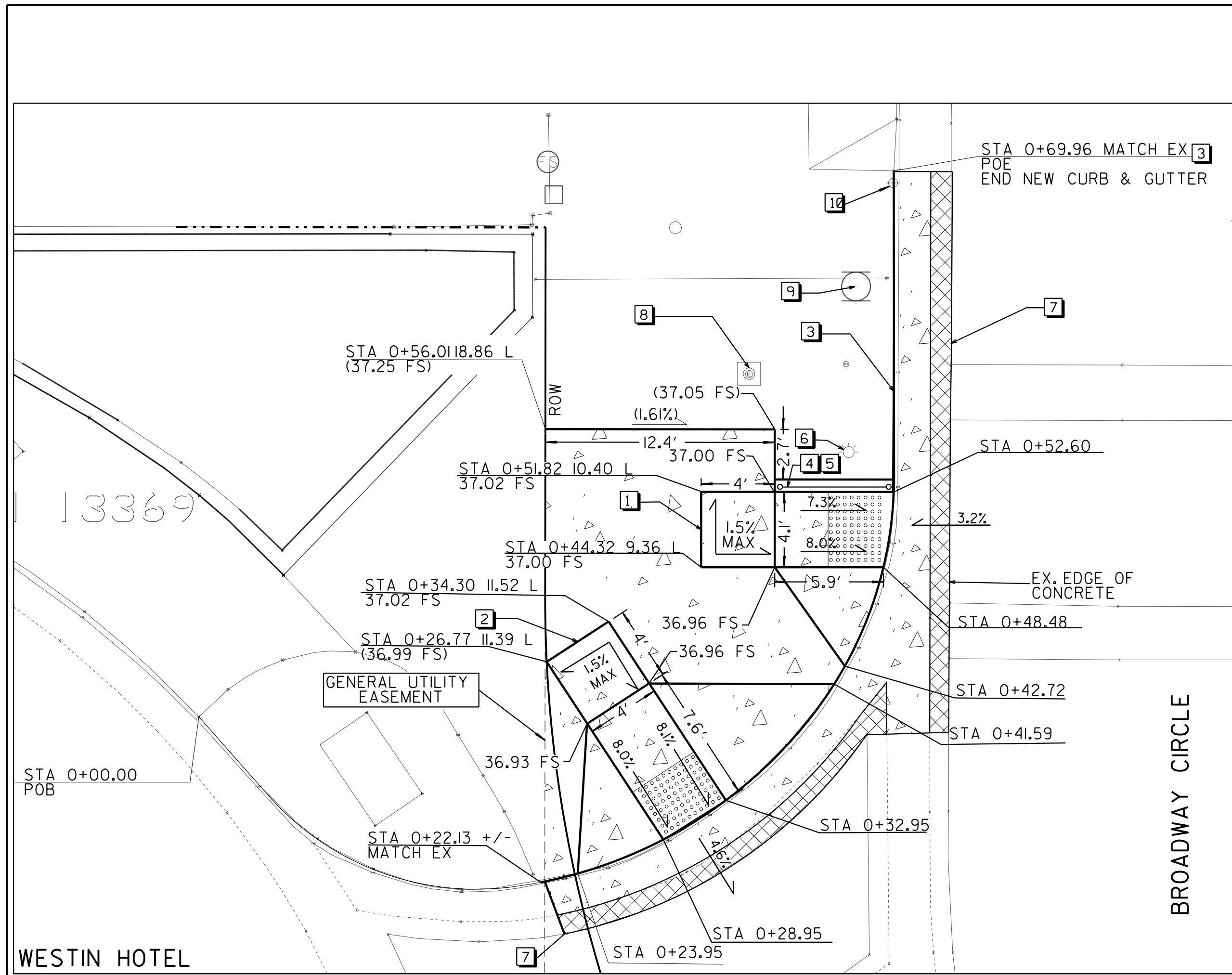
C-47

**CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL**

BROADWAY CIR AND WESTIN HOTEL - WC

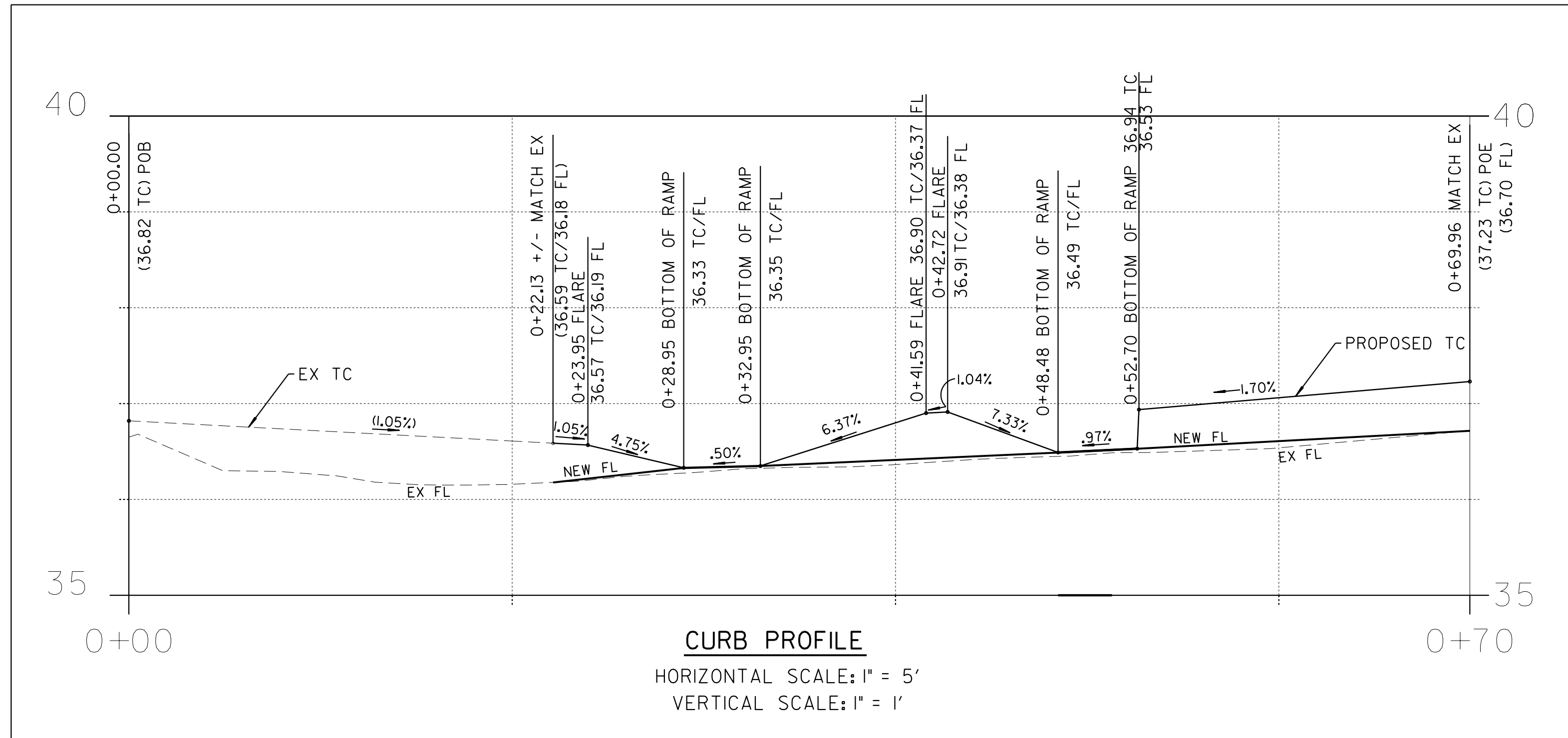
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 50 OF 75 SHEETS				WBS# B-17114
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYLIE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____				SUBMITTED BY: AVEEN SALEH PROJECT MANAGER
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CD	AS		
				CHRIS DARQUEA PROJECT ENGINEER
				202-1719 CCS27 COORDINATE
				1842-6279 CCS83 COORDINATE
CONTRACTOR _____ DATE STARTED _____				40677-50-D
INSPECTOR _____ DATE COMPLETED _____				

CURB RAMP DETAIL



NW CORNER DUAL CURB RAMPS

SCALE: 1"=5'



CURB PROFILE

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

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP SINGLE FLARE SOUTH SIDE PER SDG-132 AND DETAIL.
- 2 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 AND DETAIL.
- 3 REMOVE AND REPLACE EXIST CURB AND GUTTER PER STD. DWG. SDG-151, TYPE H.
- 4 CONSTRUCT 8" WIDE RETAINING CURB.
- 5 INSTALL PROTECTIVE RAILING AT CURB RAMP TYPE B PER SDG-140, AS SHOWN.
- 6 EX STREET LIGHT TO BE PROTECTED IN PLACE.
- 7 SAWCUT CONCRETE EDGE FROM PROPOSED LIP OF GUTTER. CONCRETE PATCH TO MATCH EXIST.
- 8 EX MANHOLE TO BE PROTECTED IN PLACE.
- 9 EX FIRE HYDRANT TO BE PROTECTED IN PLACE.
- 10 EX SIDEWALK UNDERDRAIN TO BE PROTECTED IN PLACE.

FIELD DATA

TOPOGRAPHY SOURCE:

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON OCTOBER 16, 2018. WORK ORDER NO B-17114.

REFERENCES:

CITY OF SAN DIEGO PRELIMINARY SURVEY FIELD NOTES;
GJ 1701 AREA 3 SITE 8, 07/13/2018, K. PAWLOSKI, 200-1719, B-17114
SUBDIVISION MAP: HORTON'S ADD LOCKLING
PARCEL MAPS: 13369, 21100
CITY OF SAN DIEGO DRAWINGS: 16142-B, 16672-B, 18604-D

BASIS OF BEARINGS/COORDINATES:

THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173 AND GPS 17 (PT. 20017), I.E. N 04° 04'52" W.

BENCH:

SWBP HAWTHORN ST AND PACIFIC HWY (PT# 50) ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

CURB ALIGNMENT DATA:

BROADWAY CIRCLE AND WESTIN HOTEL-NW CORNER (#1 & #2)	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: Broadway Cir and Westin TC #1 & 2	Element: Linear POB 0+00.00 36.82 PVI0+22.13 36.59 Tangent Grade: -1.05% Tangent Length: 22.13
POB 0+00.00 1841093.19 6280816.80 STRAIGHT S 41° 27'13.72" E D = 5.68	
PC 0+05.68 1841088.94 6280820.56 R = -15.00 DELTA = 55° 38'46.74" LT L = 14.57	Element: Linear PVI0+22.13 36.59 PVI0+23.95 36.57 Tangent Grade: -1.05% Tangent Length: 1.82
PCC 0+20.25 1841083.98 6280833.66 R = -24.50 DELTA = 45° 26'34.99" LT L = 19.43	
PCC 0+39.68 1841093.39 6280850.08 R = -21.00 DELTA = 37° 30'37.06" LT L = 13.75	Element: Linear PVI0+23.95 36.57 PVI0+28.95 36.33 Tangent Grade: -4.75% Tangent Length: 5.00
PT 0+53.43 1841106.18 6280854.41 STRAIGHT N 0° 03'12.51" W D = 16.54	
POE 0+69.96 1841122.72 6280854.39	Element: Linear PVI0+28.95 36.33 PVI0+32.95 36.35 Tangent Grade: 0.50% Tangent Length: 4.00
	Element: Linear PVI0+32.95 36.35 PVI0+41.59 36.90 Tangent Grade: 6.37% Tangent Length: 8.64
	Element: Linear PVI0+41.59 36.90 PVI0+42.72 36.91 Tangent Grade: 1.04% Tangent Length: 1.12
	Element: Linear PVI0+42.72 36.91 PVI0+48.48 36.49 Tangent Grade: -7.33% Tangent Length: 5.76
	Element: Linear PVI0+48.48 36.49 PVI0+52.60 36.53 Tangent Grade: 0.97% Tangent Length: 4.12
	Element: Linear PVI0+52.60 36.53 PVI0+52.70 36.94 Tangent Grade: 407.29% Tangent Length: 0.10
	Element: Linear PVI0+52.70 36.94 POE 0+69.96 37.23 Tangent Grade: 1.70% Tangent Length: 17.26

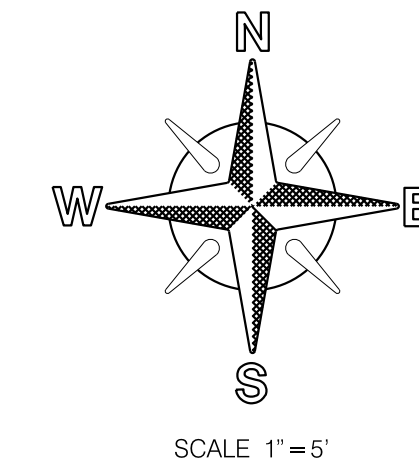
C-49

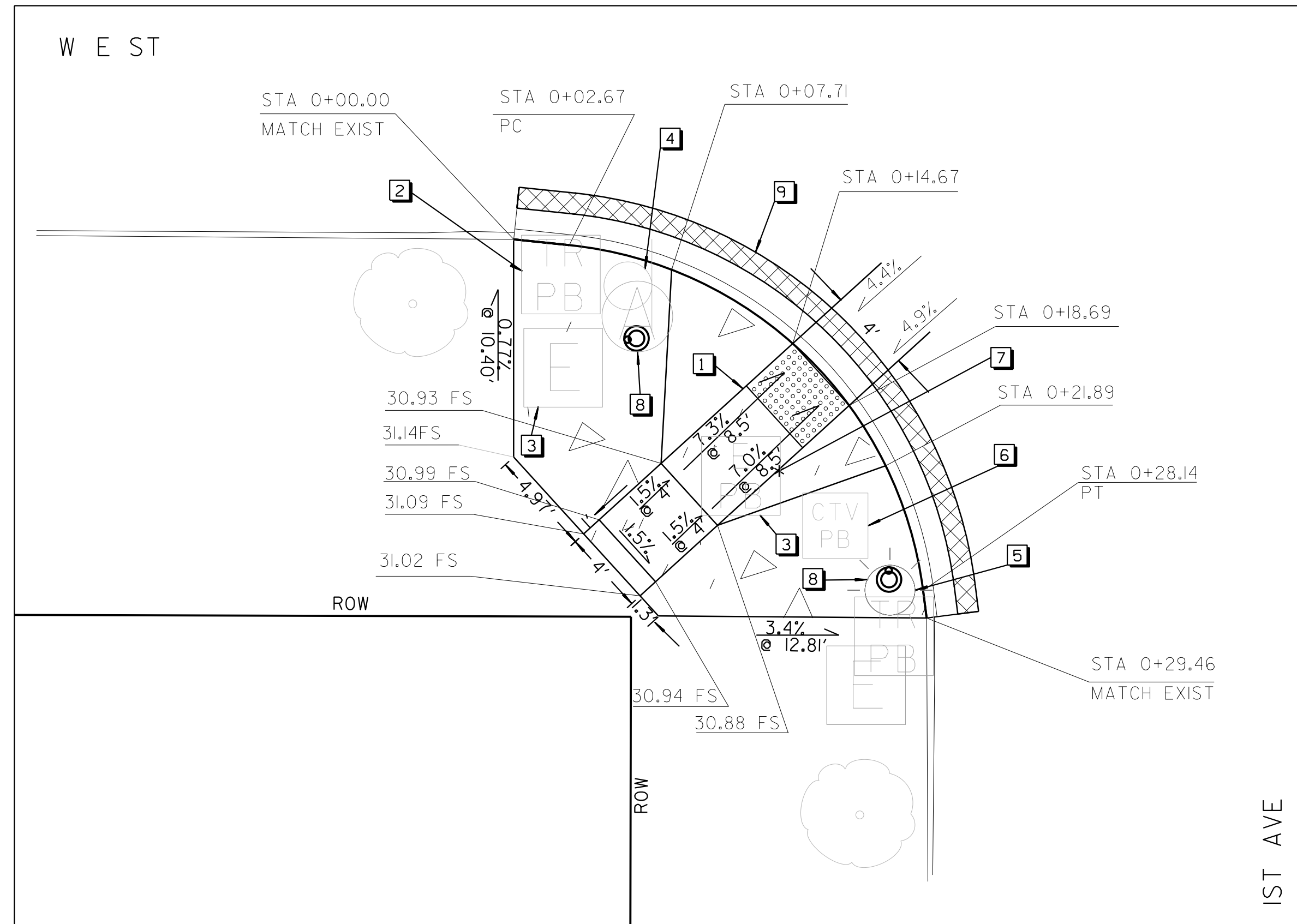
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL

BROADWAY CIRCLE AND WESTIN HOTEL - NWC

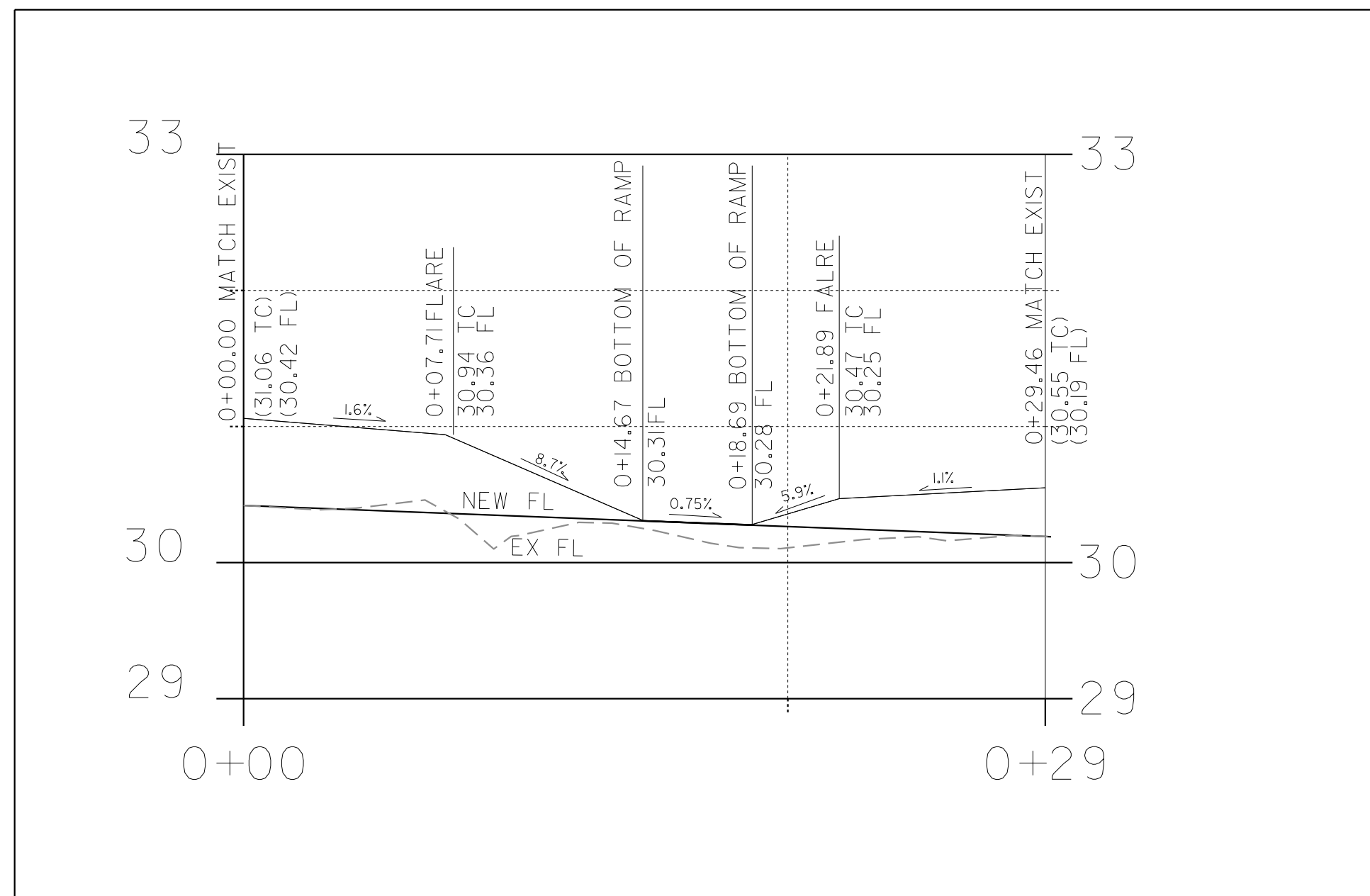
CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS DEPARTMENT
SHEET 52 OF 75 SHEETS

APPROVED:	FOR CITY ENGINEER	DATE	WBS#	B-17114
DAYLIE ZHANG	C70971		AVEEN SALEH	PROJECT MANAGER
CHRIS DARQUEA			CHRIS DARQUEA	PROJECT ENGINEER
202-1719			202-1719	CCS27 COORDINATE
			1842-6279	CCS83 COORDINATE
CONTRACTOR	INSPECTOR	DATE STARTED	DATE COMPLETED	40677-52-D





SW CORNER TYPE "A" CURB RAMP
SCALE: 1"=5'



SW RAMP PROFILE AT TC
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE 'A' CURB RAMP PER DETAIL AND THE CITY OF SAN DIEGO STANDARD DRAWINGS SDG-132.
- 2 PROTECT EXISTING PULL BOX IN PLACE. ADJUST TO GRADE.
- 3 PROTECT EXISTING UTILITY BOX IN PLACE. ADJUST TO GRADE.
- 4 PROTECT EXISTING SIGN POST IN PLACE.
- 5 PROTECT EXISTING STREETLIGHT POLE IN PLACE.
- 6 ADJUST EXISTING CABLE TV PULL BOX TO GRADE
- 7 EXISTING SURVEY MONUMENT TO BE PERPETUATED.
- 8 FURNISH AND INSTALL NEW ADA STANDARD PUSH BUTTON.
- 9 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC PATCH TO MATCH GRADE.

CURB ALIGNMENT DATA

E ST AND 1ST AVE SOUTHWEST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: E and 1st-SW Proposed-TC	
POB 0+00.00 1841008.42 6280548.98	
STRAIGHT S 84° 05' 28.03" E D = 2.67	
PC 0+02.67 1841008.15 6280551.63	
R = +19.00 DELTA = 76° 48' 47.26" RT L = 25.47	
PT 0+28.14 1840991.65 6280568.52	
STRAIGHT S 7° 16' 40.77" E D = 1.32	
POE 0+29.46 1840990.34 6280568.69	
Element: Linear	PVB 0+00.00 31.06
	PVI 0+07.41 30.94
	Tangent Grade: -1.62%
	Tangent Length: 7.41
Element: Linear	PVI 0+07.41 30.94
	PVI 0+14.67 30.31
	Tangent Grade: -8.68%
	Tangent Length: 7.26
Element: Linear	PVI 0+14.67 30.31
	PVI 0+18.69 30.28
	Tangent Grade: -0.75%
	Tangent Length: 4.02
Element: Linear	PVI 0+18.69 30.28
	PVI 0+21.89 30.47
	Tangent Grade: 5.94%
	Tangent Length: 3.20
Element: Linear	PVI 0+21.89 30.47
	POE 0+29.46 30.55
	Tangent Grade: 1.06%
	Tangent Length: 7.57

FIELD DATA

TOPOGRAPHY SOURCE
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON OCTOBER 16, 2018. WORK ORDER NO. B-17114.

BENCHMARK

SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT# 50)
ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK

BASIS OF BEARINGS/COORDINATES

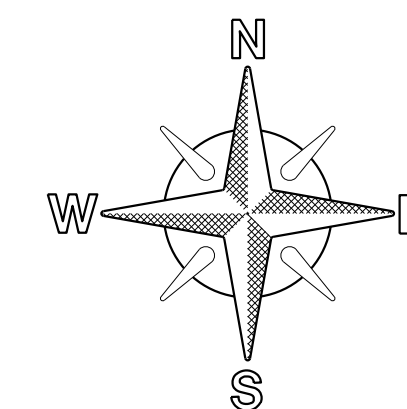
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F. S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 17, I.E. N 04° 04' 52" W,

REFERENCES

ADJACENT JOBS
B18021/B18022, GJ 1033, PILKINTON, 05/31/2018, 196-1716
SUBDIVISION MAP: HORTON'S ADDITION
PARCEL MAPS: 10902, 13369
CORNER RECORDS: 1143
CITY DRAWING: 16142-B

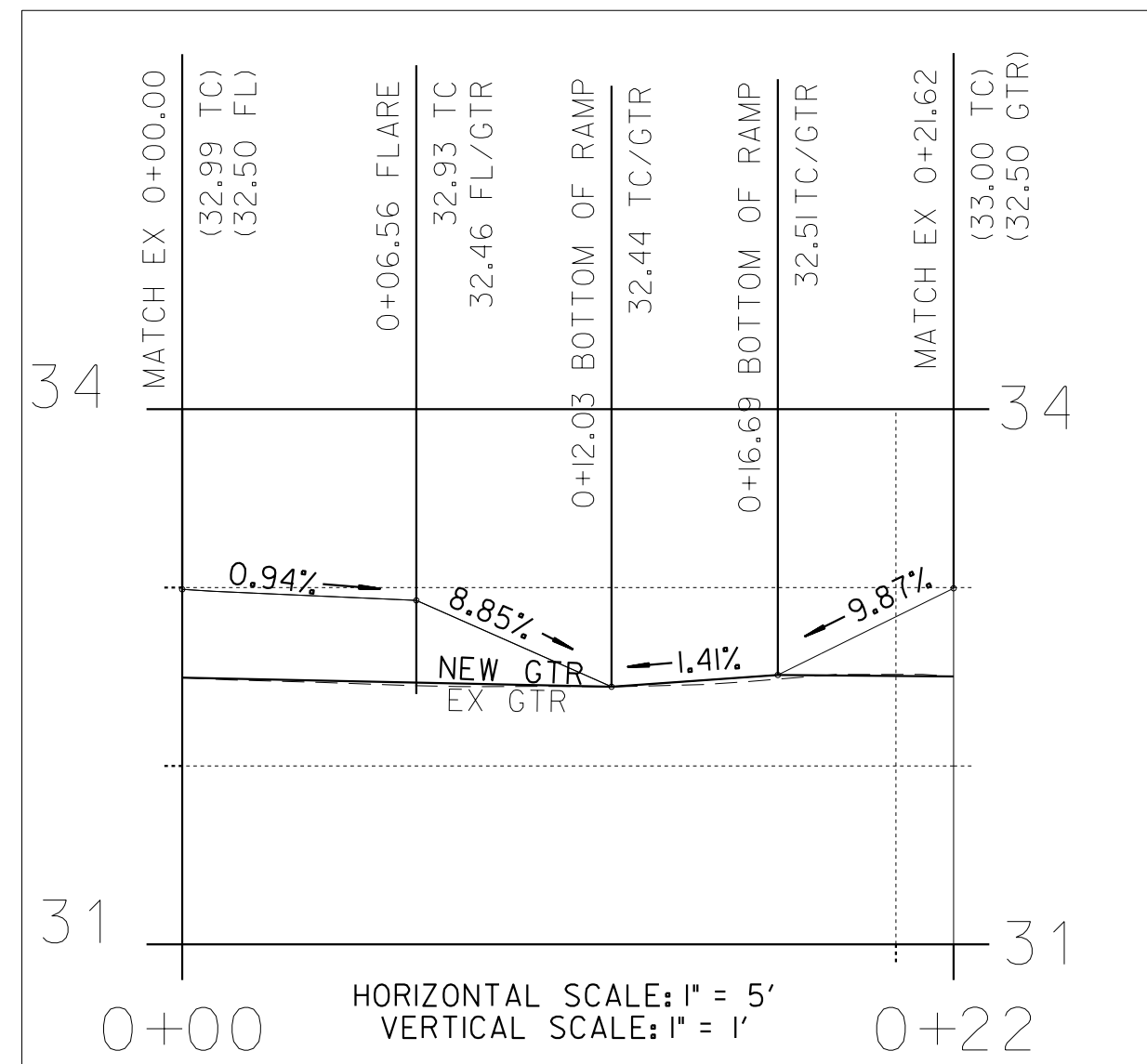
C-50

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
W E ST AND 1ST AVE – SWC

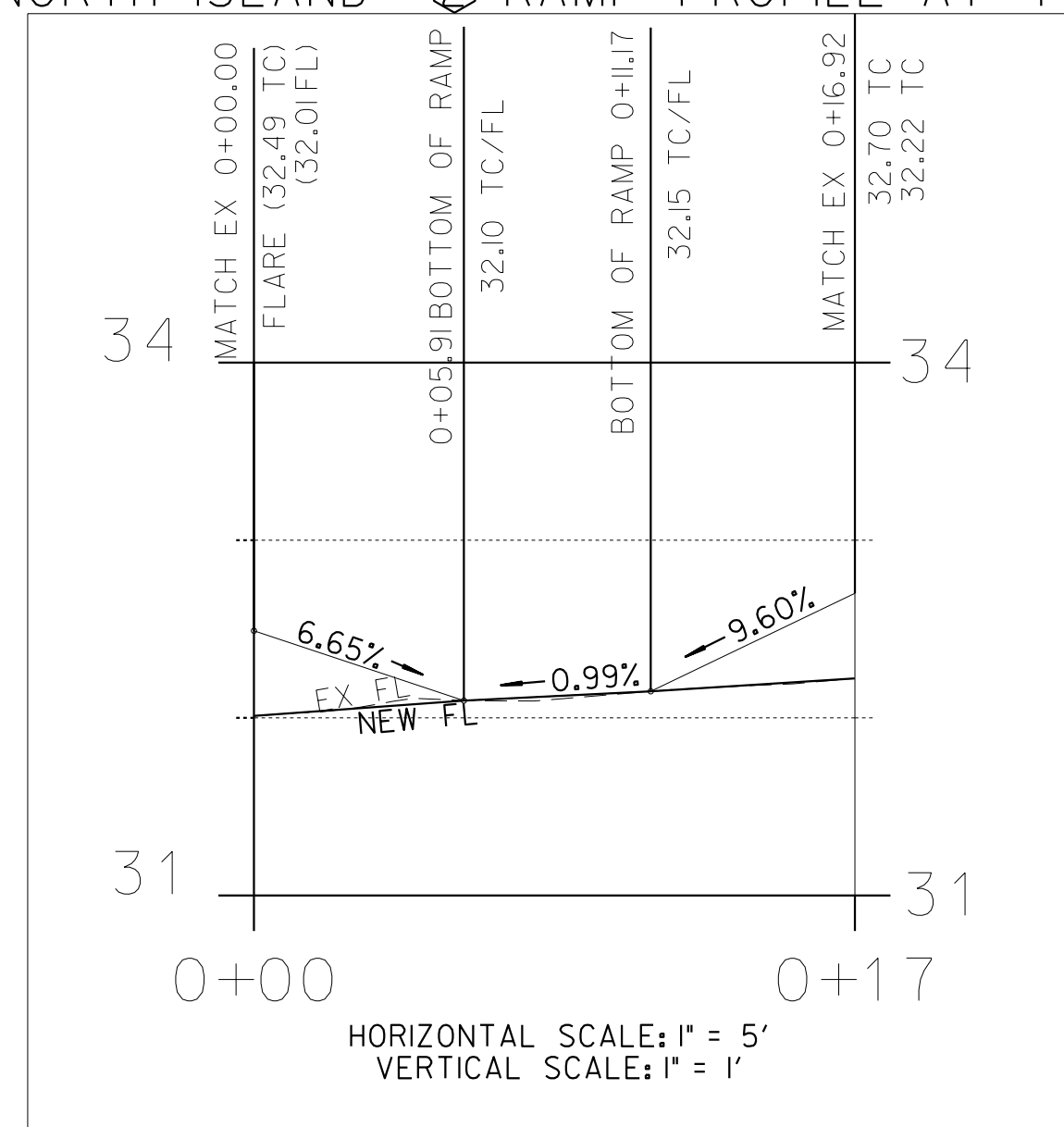


CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 53 OF 75 SHEETS		WBS# B-17114		
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYUE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____		SUBMITTED BY: ALI ALAEIPOUR PROJECT MANAGER JWAN MUF TI PROJECT ENGINEER 198-1719 CCS27 COORDINATE 6280407-1838444 CCS83 COORDINATE		
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	JM	AA		
CONTRACTOR _____		DATE STARTED _____		40677-53-D
INSPECTOR _____		DATE COMPLETED _____		

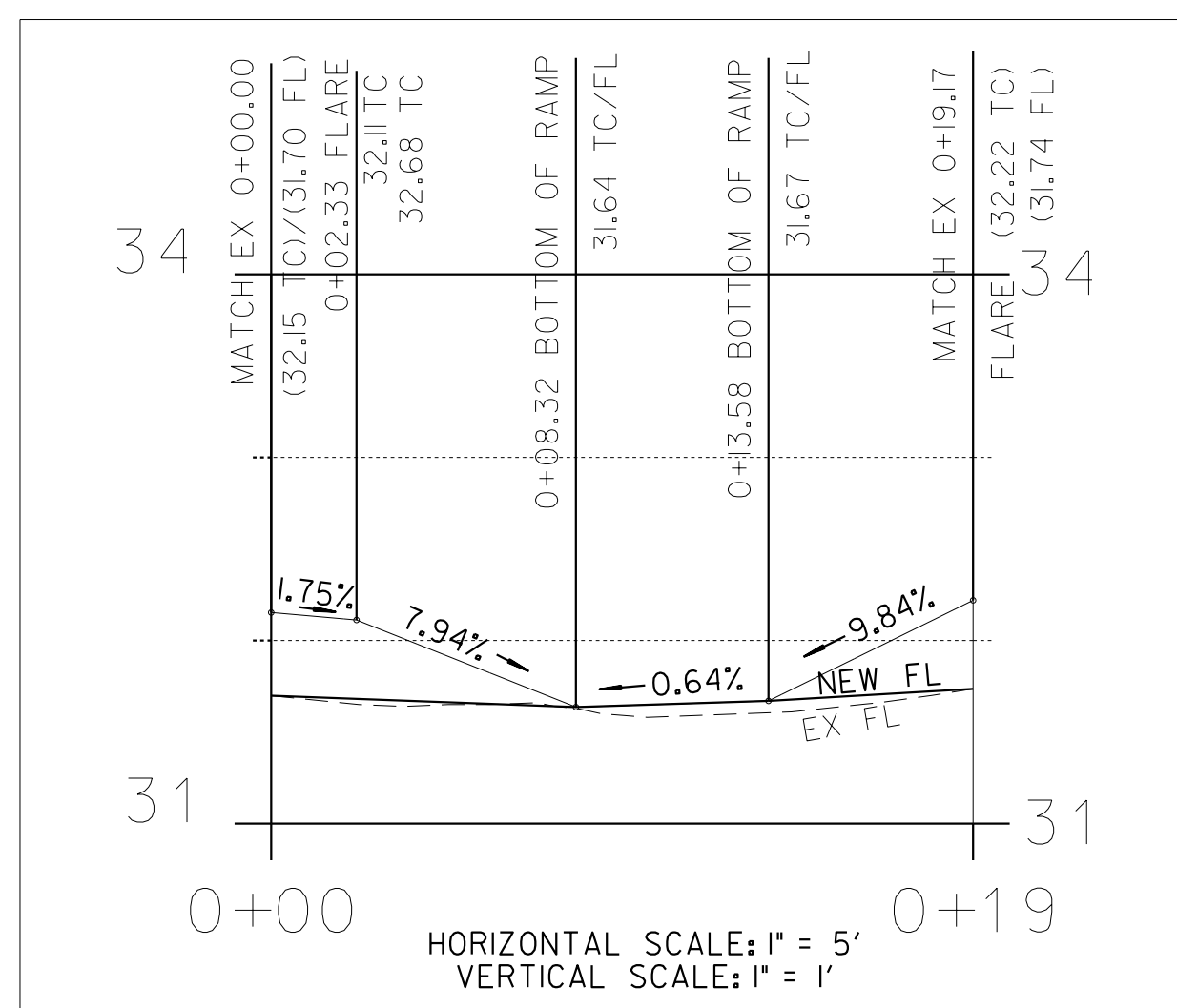
NE CORNER #1 RAMP PROFILE AT TC



NORTH ISLAND #2 RAMP PROFILE AT TC



SOUTH ISLAND #3 RAMP PROFILE AT TC



CURB ALIGNMENT DATA
W E ST AND 1ST ST NORTHEAST CORNER

CURB RAMP #1	CURB RAMP #2	CURB RAMP #3
<p>HORIZONTAL ALIGNMENT</p> <p>ALIGNMENT: E St and 1st NE</p> <p>POB 0+00.00 1841098.28 6280620.84 STRAIGHT S 0° 19' 12.13" E D = 0.86</p> <p>PC 0+00.86 1841097.42 6280620.84 R = -13.00 DELTA = 89° 04' 44.95" LT L = 20.21</p> <p>PT 0+21.07 1841084.50 6280633.71 STRAIGHT S 89° 23' 57.08" E D = 0.87</p> <p>POE 0+21.94 1841084.49 6280634.57</p>	<p>HORIZONTAL ALIGNMENT</p> <p>ALIGNMENT: E St and 1st East Island-N</p> <p>POB 0+00.00 1841071.46 6280620.75 STRAIGHT N 0° 24' 41.53" W D = 1.49</p> <p>PC 0+01.49 1841072.96 6280620.74 R = +2.00 DELTA = 109° 29' 12.52" RT L = 3.82</p> <p>PT 0+05.31 1841074.86 6280623.39 STRAIGHT S 70° 55' 29.01" E D = 4.81</p> <p>PC 0+10.12 1841073.29 6280627.93 R = -18.00 DELTA = 18° 19' 29.05" LT L = 5.76</p> <p>PT 0+15.88 1841072.30 6280633.58 STRAIGHT S 89° 14' 58.06" E D = 1.04</p> <p>POE 0+16.92 1841072.29 6280634.62</p>	<p>HORIZONTAL ALIGNMENT</p> <p>ALIGNMENT: E St and 1st East Island-S</p> <p>POB 0+00.00 1841052.37 6280620.69 STRAIGHT S 0° 03' 00.93" E D = 2.33</p> <p>PC 0+02.33 1841050.04 6280620.69 R = -4.00 DELTA = 109° 22' 00.97" LT L = 7.64</p> <p>PT 0+09.96 1841046.28 6280626.02 STRAIGHT N 70° 34' 58.09" E D = 9.21</p> <p>POE 0+19.17 1841049.34 6280634.70</p>
<p>VERTICAL ALIGNMENT</p> <p>Element: Linear POB 0+00.00 32.99 PVI 0+06.56 32.93 Tangent Grade: -0.94% Tangent Length: 6.56</p> <p>Element: Linear PVI 0+06.56 32.93 PVI 0+12.03 32.44 Tangent Grade: -8.85% Tangent Length: 5.47</p> <p>Element: Linear PVI 0+12.03 32.44 PVI 0+16.69 32.51 Tangent Grade: 1.41% Tangent Length: 4.66</p> <p>Element: Linear PVI 0+16.69 32.51 POE 0+21.62 33.00 Tangent Grade: 9.87% Tangent Length: 4.93</p>	<p>VERTICAL ALIGNMENT</p> <p>Element: Linear POB 0+00.00 32.49 PVI 0+05.91 32.10 Tangent Grade: -6.65% Tangent Length: 5.91</p> <p>Element: Linear PVI 0+05.91 32.10 PVI 0+11.17 32.15 Tangent Grade: 0.99% Tangent Length: 5.26</p> <p>Element: Linear PVI 0+11.17 32.15 POE 0+16.92 32.70 Tangent Grade: 9.60% Tangent Length: 5.75</p>	<p>VERTICAL ALIGNMENT</p> <p>Element: Linear POB 0+00.00 32.15 PVI 0+02.33 32.11 Tangent Grade: -1.75% Tangent Length: 2.33</p> <p>Element: Linear PVI 0+02.33 32.11 PVI 0+08.32 31.64 Tangent Grade: -7.94% Tangent Length: 5.99</p> <p>Element: Linear PVI 0+08.32 31.64 PVI 0+13.58 31.67 Tangent Grade: 0.64% Tangent Length: 5.26</p> <p>Element: Linear PVI 0+13.58 31.67 POE 0+19.17 32.22 Tangent Grade: 9.84% Tangent Length: 5.59</p>

CONSTRUCTION NOTES

- 1 CONSTRUCT STANDARD TYPE 'B' CURB RAMP PER THE CITY OF SAN DIEGO STANDARD DRAWINGS SDG-133 AND DETAIL.
- 2 PROTECT EXISTING MANHOLE IN PLACE.
- 3 REMOVE AND REINSTALL EXISTING SIGN AND POST PER SDM-104.
- 4 PROTECT EXISTING FIRE HYDRANT IN PLACE.
- 5 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE.
- 6 PROTECT EXISTING DRIVEWAY AND DECORATIVE PAVEMENT IN PLACE. REPLACE MISSING RAISED PAVEMENT MARKERS OF SAME TYPE AT STOP LIMIT LINE.
- 7 SAWCUT CONCRETE EDGE FROM PROPOSED LIP OF GUTTER. CONCRETE PATCH TO MATCH EXIST.
- 8 SAWCUT 1' FROM THE LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 9 CONSTRUCT STANDARD TYPE 'B' CURB RAMPS AT PEDESTRIAN ISLAND PER THE CITY OF SAN DIEGO STANDARD DRAWINGS SDG-139 AND DETAIL.
- 10 PROTECT EXISTING PED BARRICADE IN PLACE.
- 11 PROTECT UTILITY BOX IN PLACE.
- 12 EXISTING SURVEY MONUMENT TO BE PERPETUATED.

TOPOGRAPHY SOURCE

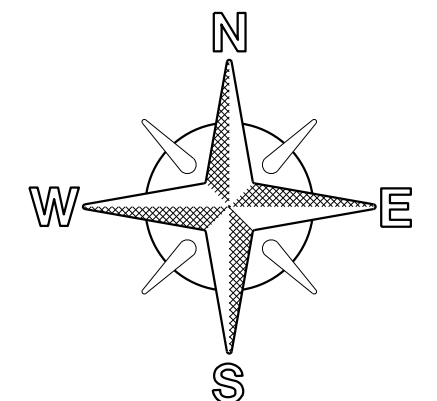
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON OCTOBER 16, 2018. WORK ORDER NO. B-17114.

BENCHMARK

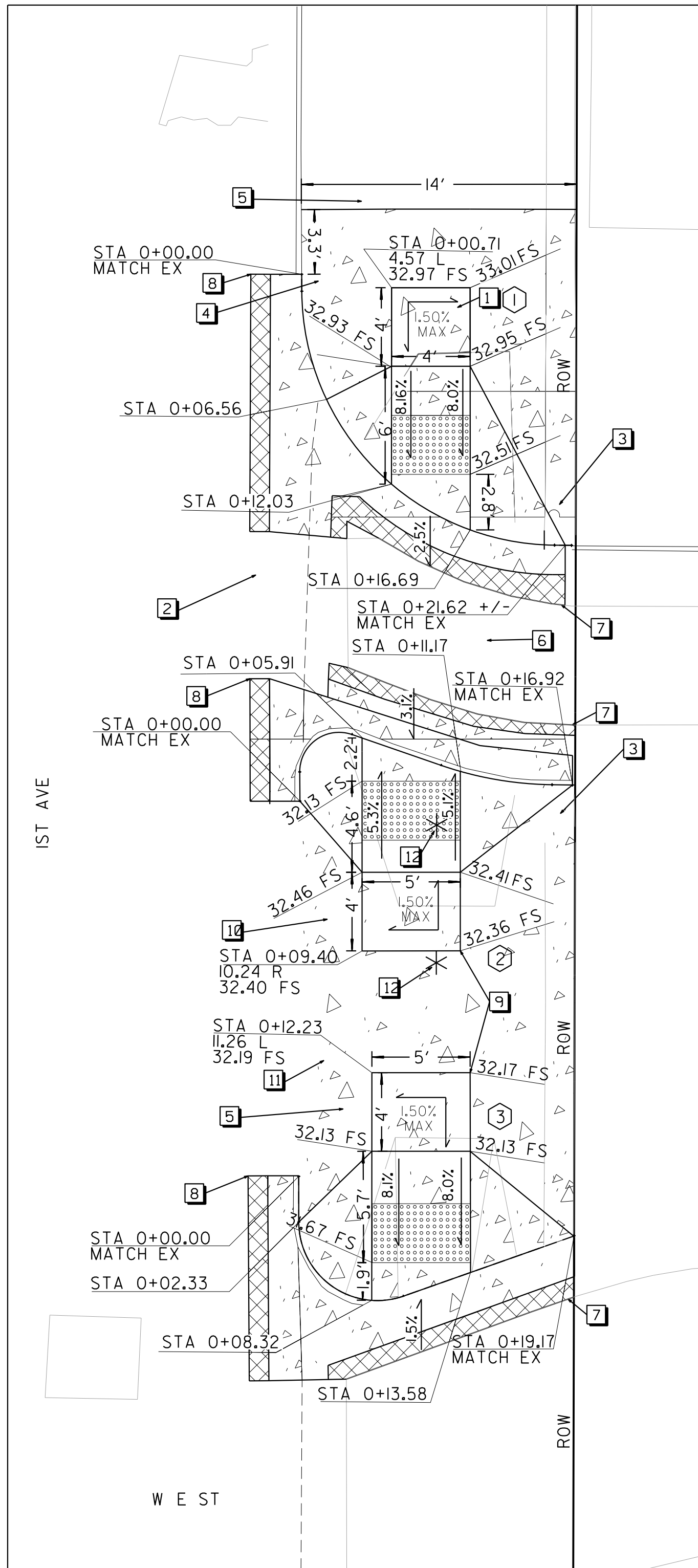
SWBP HAWTORN ST & PACIFIC HWY (PT# 50) ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES

THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING RECORD OF SURVEY 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS I73, AND GPS I7, I.E. N4° 04' 52" W.



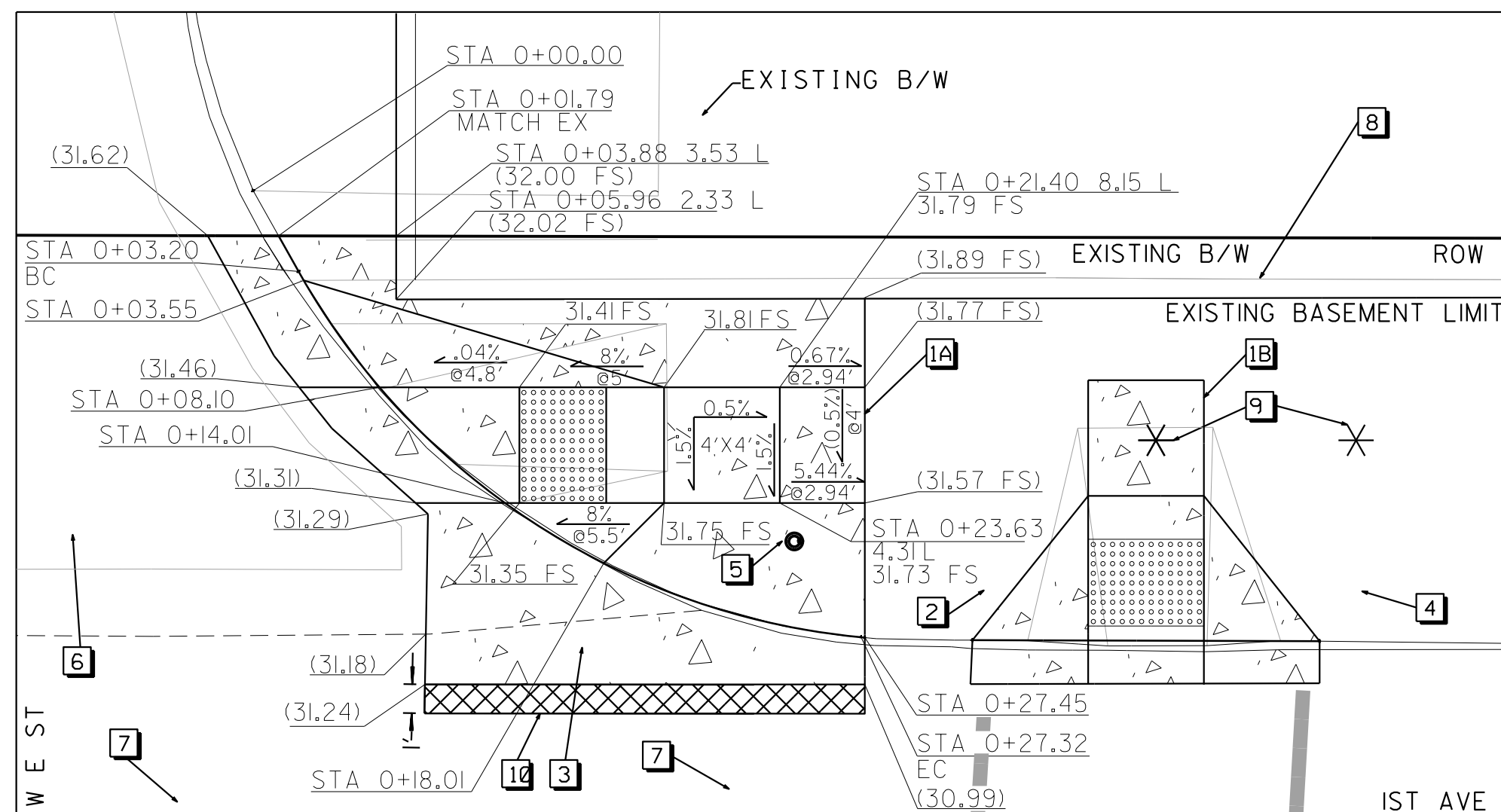
C-51



NE CORNER AND PEDESTRIAN ISLAND
TYPE "B" CURB RAMPS
SCALE: 1"=5'

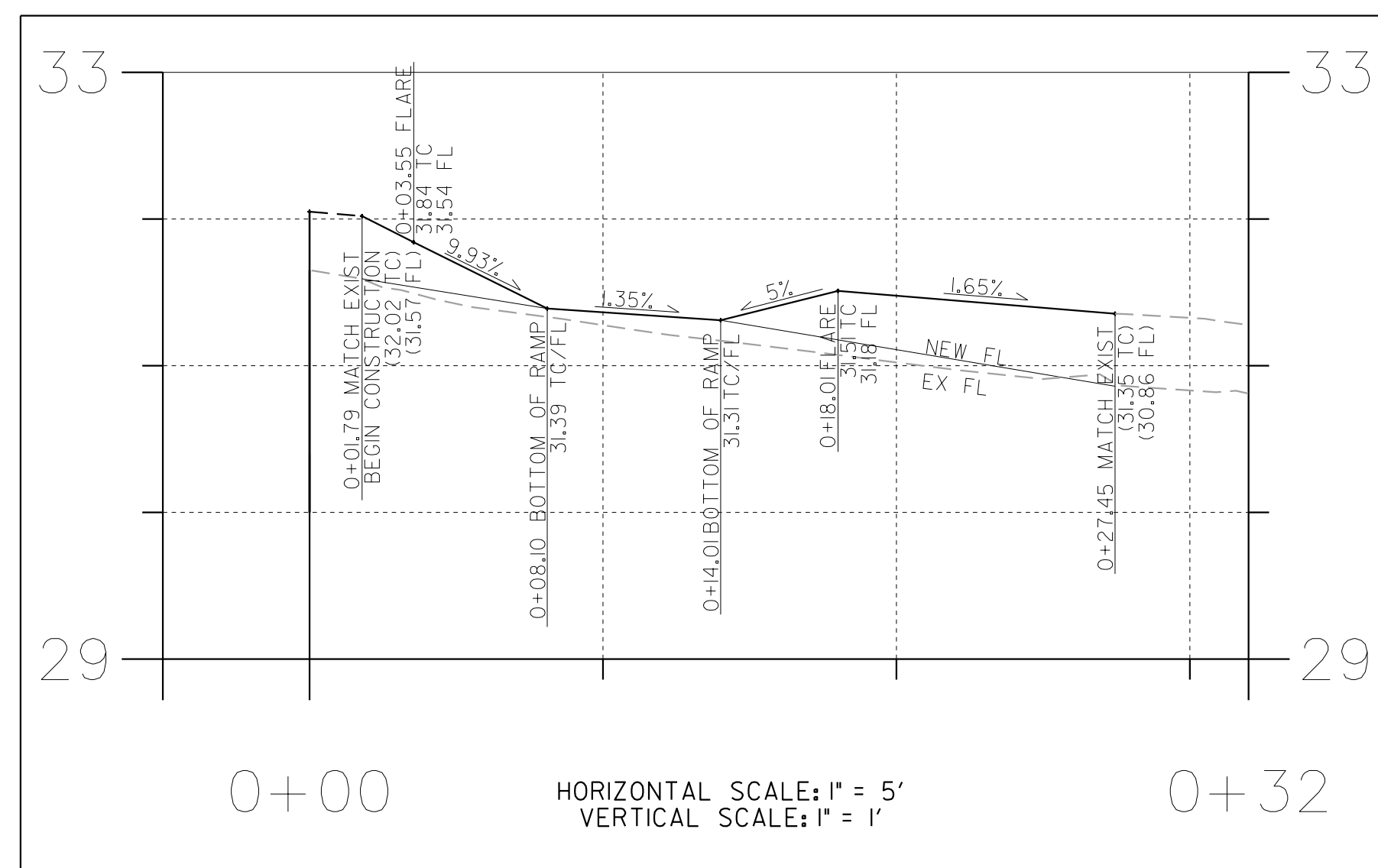
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
W E ST AND 1ST AVE - NORTH SIDE

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 54 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYLIE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER
DESCRIPTION	BY	APPROVED
ORIGINAL	JK/CD	DATE
		FILMED
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	
		198-1719 CCS27 COORDINATE 1838-6280 CCS83 COORDINATE 40677-54-D



SE CORNER TYPE "B" CURB RAMPS
SCALE: 1"=5'

SE CORNER NORTH RAMP PROFILE AT TC



CONSTRUCTION NOTES

- 1 CONSTRUCT PER THE CITY OF SAN DIEGO STANDARD DRAWINGS SDG-133:
A. TYPE 'B' CURB RAMP PER DETAIL.
B. STANDARD TYPE 'B' CURB RAMP.
- 2 PROTECT EXISTING PULL BOX IN PLACE.
- 3 REMOVE AND REPLACE CROSS GUTTER PANEL TO MATCH EXIST. CONTRACTOR TO PROTECT EX FLOW LINE.
- 4 PROTECT EXISTING FIRE HYDRANT IN PLACE.
- 5 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE. FURNISH AND INSTALL NEW ADA STANDARD PUSH BUTTON.
- 6 PROTECT EXISTING DRIVEWAY AND DECORATIVE PAVEMENT IN PLACE.
- 7 PROTECT EXISTING MANHOLE IN PLACE.
- 8 PROTECT EXISTING WALLS OF BASEMENT STRUCTURE UNDERNEATH.
- 9 EXISTING SURVEY MONUMENT TO BE PERPETUATED.
- 10 SAWCUT AS SHOWN. AC PATCH TO MATCH GRADE.

TOPOGRAPHY SOURCE

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON OCTOBER 16, 2018. WORK ORDER NO. B-17114.

BENCHMARK

SWBP HAWTORN ST & PACIFIC HWY (PT# 50) ELEV. 14,239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES

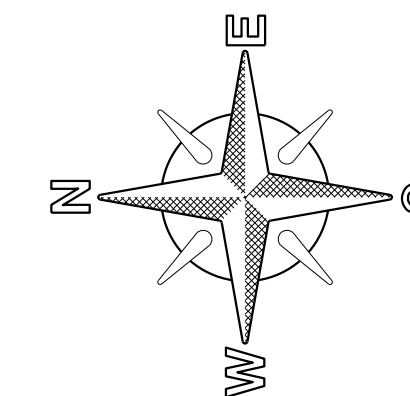
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING RECORD OF SURVEY I4492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS I73, AND GPS I7, I.E. N4° 04'52"W.

CURB ALIGNMENT DATA

W E ST AND 1ST ST SOUTHEAST CORNER NORTH RAMP	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: E St and 1st SE-N POB 0+00.00 1841028.52 6280636.21 STRAIGHT S 60° 41' 00.83" W D = 3.20 PC 0+03.20 1841026.95 6280633.42 R = 25.00 DELTA = 55° 16' 52.51" LT L = 24.12 PT 0+27.32 1841007.51 6280620.77 STRAIGHT S 5° 24' 08.32" W D = 0.13 POE 0+27.45 1841007.38 6280620.76	Element: Linear POB 0+00.00 32.05 PVI0+01.79 32.02 Tangent Grade: -1.68% Tangent Length: 1.79 Element: Linear PVI0+01.79 32.02 PVI0+03.55 31.84 Tangent Grade: -10.13% Tangent Length: 1.76 Element: Linear PVI0+03.55 31.84 PVI0+08.10 31.39 Tangent Grade: -9.93% Tangent Length: 4.55 Element: Linear PVI0+08.10 31.39 PVI0+14.01 31.31 Tangent Grade: -1.35% Tangent Length: 5.91 Element: Linear PVI0+14.01 31.31 PVI0+18.01 31.51 Tangent Grade: 5.00% Tangent Length: 4.00 Element: Linear PVI0+18.01 31.51 POE 0+27.45 31.35 Tangent Grade: -1.65% Tangent Length: 9.44

CURB ALIGNMENT DATA

W E ST AND 1ST ST SOUTHEAST CORNER SOUTH RAMP	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: E St and 1st SE-S POB 0+00.00 1841003.66 6280620.67 STRAIGHT S 0° 10' 14.73" W D = 12.00 POE 0+12.00 1840991.66 6280620.63	

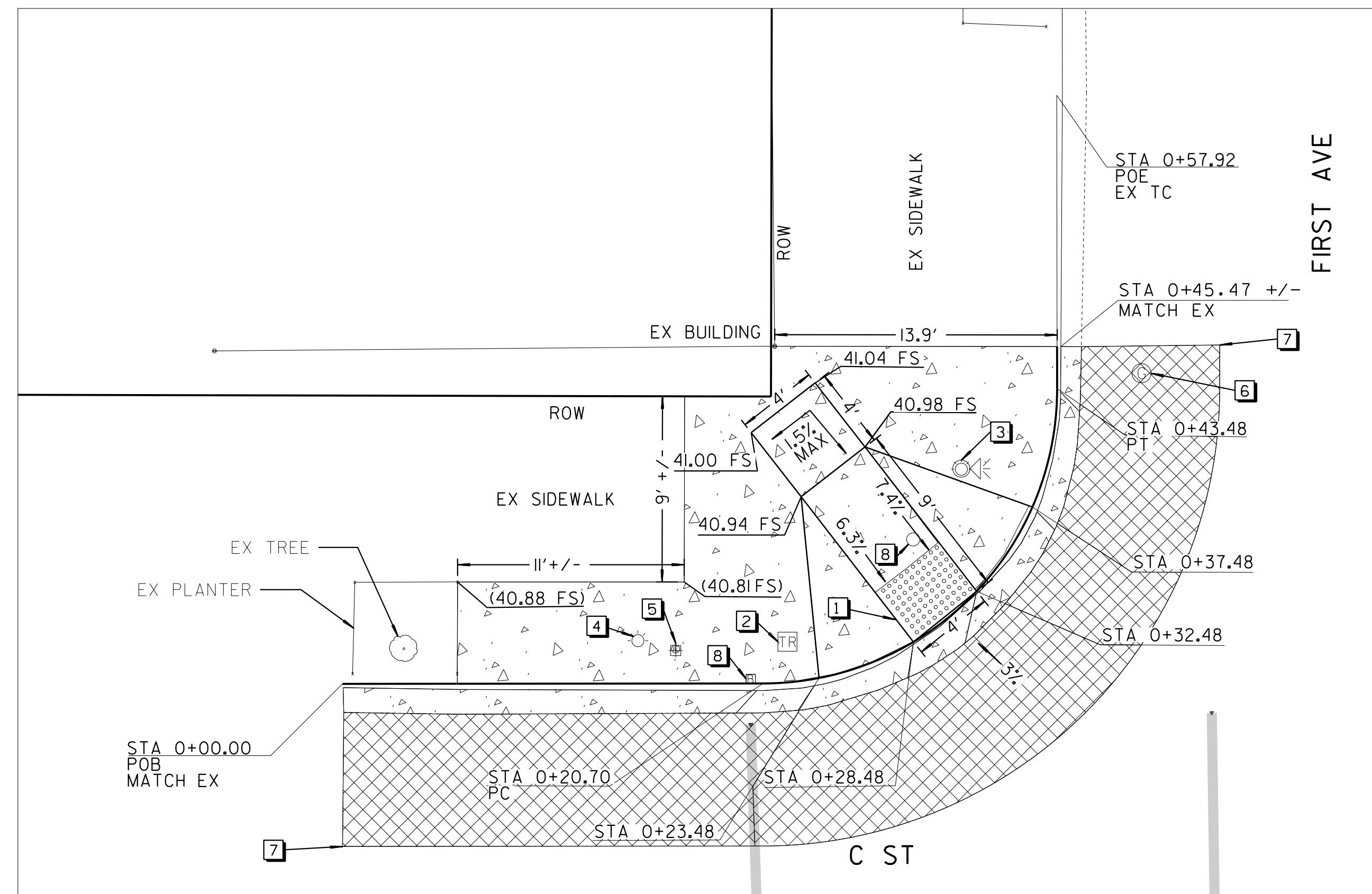


C-52

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
W E ST AND 1ST AVE – SOUTH SIDE

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 55 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYLIE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____		SUBMITTED BY: AVEEN SALEH PROJECT MANAGER
DESCRIPTION	BY	APPROVED
ORIGINAL	JK	
CONTRACTOR _____	DATE STARTED _____	198-1719 CCS27 COORDINATE 1838-6280 CCS83 COORDINATE 40677-55-D
INSPECTOR _____	DATE COMPLETED _____	

CURB RAMP DETAIL



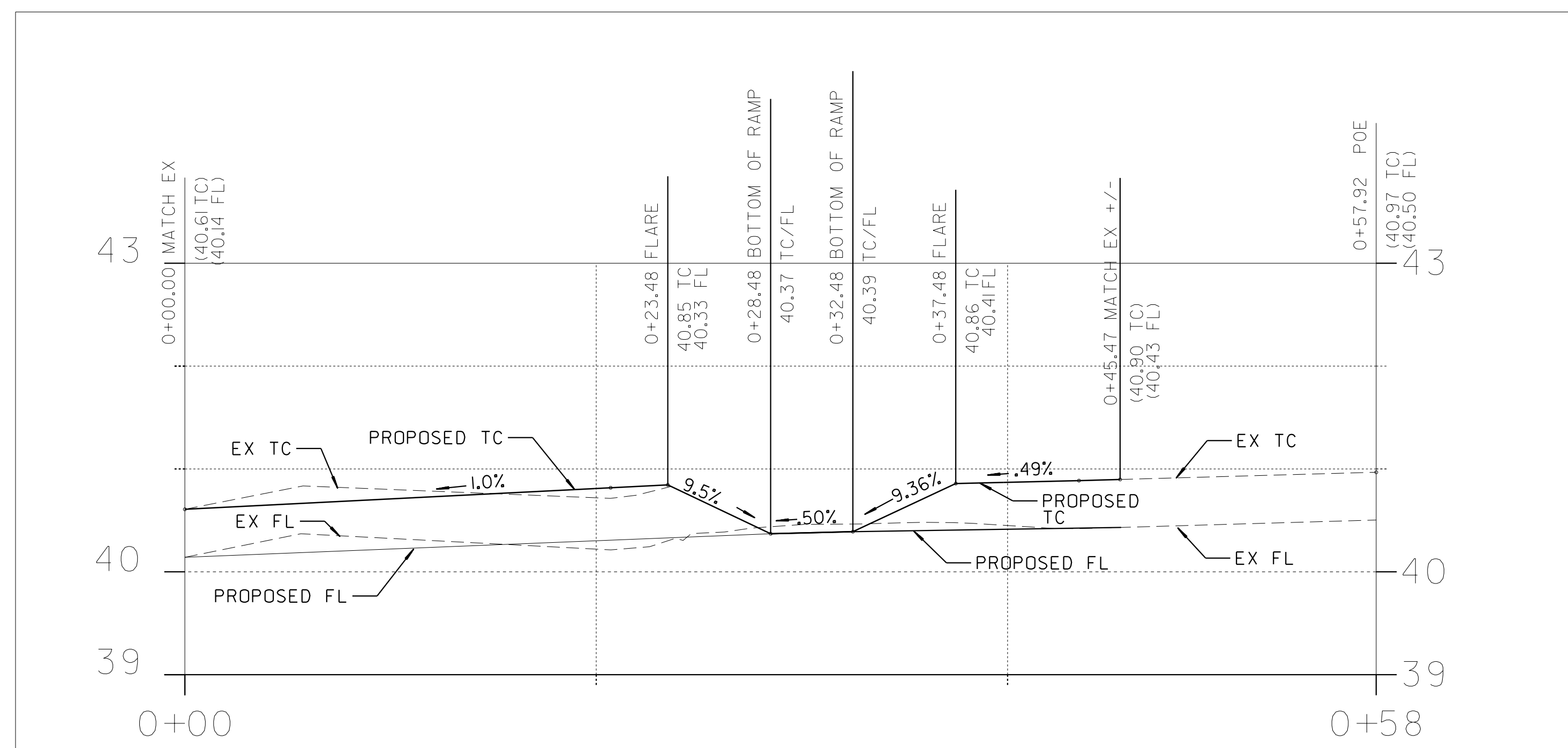
CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 AND DETAIL.
- 2 PROTECT EX UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 3 PROTECT EX TRAFFIC SIGNAL POLE IN PLACE.
- 4 PROTECT EX STREET LIGHT IN PLACE.
- 5 PROTECT DRAINAGE GRATE IN PLACE, ADJUST TO GRADE.
- 6 ADJUST SURFACE RIM TO GRADE.
- 7 SAWCUT 6.5' FROM PROPOSED LIP OF GUTTER, AC BACKFILL TO MATCH GRADE.
- 8 EX SURVEY MONUMENT TO BE PERPETUATED.

CURB ALIGNMENT DATA:

C ST AND FIRST AVE-NORTHWEST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: C St and FIRST Proposed TC Station Northing Easting	Element: Linear POB 0+00.00 40.61 PVI 0+23.48 40.85 Tangent Grade: 1.01% Tangent Length: 23.48
POB 0+00.00 1841817.01 6280535.34 STRAIGHT N 89° 56' 50.60" E D = 20.70 PC 0+20.70 1841817.03 6280556.04 R = -14.50 DELTA = 90° 01' 28.17" LT L = 22.78 PT 0+43.48 1841831.54 6280570.53 STRAIGHT N 0° 04' 37.57" W D = 14.44 POE 0+57.92 1841845.99 6280570.51	Element: Linear PVI 0+23.48 40.85 PVI 0+28.48 40.37 Tangent Grade: -9.50% Tangent Length: 5.00
	Element: Linear PVI 0+28.48 40.37 PVI 0+32.48 40.39 Tangent Grade: 0.50% Tangent Length: 4.00
	Element: Linear PVI 0+32.48 40.39 PVI 0+37.48 40.86 Tangent Grade: 9.36% Tangent Length: 5.00
	Element: Linear PVI 0+37.48 40.86 PVI 0+45.47 40.90 Tangent Grade: 0.49% Tangent Length: 7.99
	Element: Linear PVI 0+45.47 40.90 POE 0+57.92 40.97 Tangent Grade: 0.57% Tangent Length: 12.45

C ST AND FIRST AVE NW CORNER TYPE "A" CURB RAMP
SCALE: 1"=5'



CURB PROFILE
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

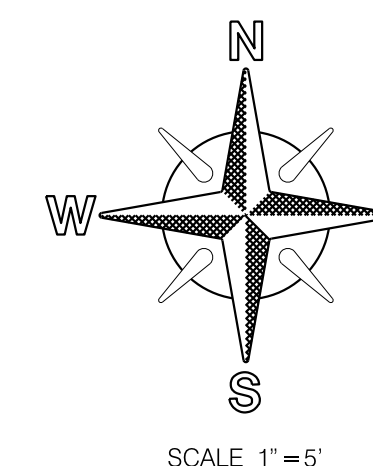
FIELD DATA

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON SEPTEMBER 26, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 3, SITE 2.

REFERENCES:
CITY OF SAN DIEGO PRELIMINARY SURVEY FIELD NOTES;
GJ 1033, C. PILKINTON/A. DAVIS, 05/31/2018, 196-1716, WBS: B-18021
SUBDIVISION MAP: HORTONS ADD, LOCKLING
CORNER RECORDS: 5453, 29123, 36594, 39771
CITY DRAWINGS: 8854-B, 13058-B

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O. S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS I73, GPS I7 (20017) I.E. N 04° 04' 52" W.

BENCH:
SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT# 50)
ELEV. 14.239' MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK

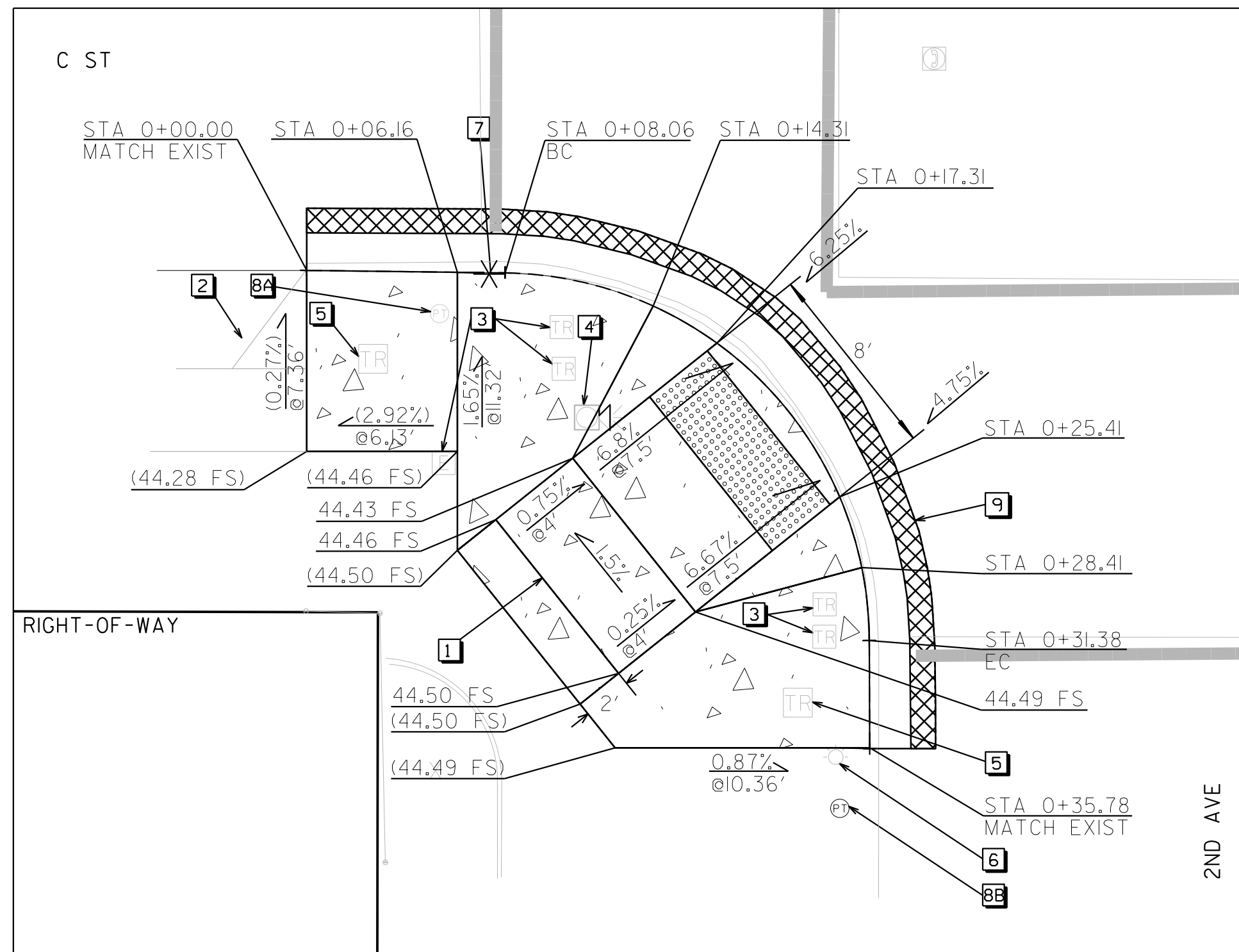


C-53

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
C ST AND FIRST AVE – NWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 56 OF 75 SHEETS			WBS#	B-17114
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYLIE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____			SUBMITTED BY: AVEEN SALEH PROJECT MANAGER CHRIS DARQUEA PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CD			
CONTRACTOR _____ DATE STARTED _____			202-1719 CCS27 COORDINATE	
INSPECTOR _____ DATE COMPLETED _____			1842-6279 CCS83 COORDINATE	
			40677-56-D	

CURB RAMP DETAIL



SW CORNER TYPE "A" CURB RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE 'A' CURB RAMP PER DETAIL AND THE CITY OF SAN DIEGO STANDARD DRAWINGS SDG-132.
- 2 PROTECT EXISTING DRIVEWAY IN PLACE.
- 3 PROTECT EXISTING UTILITY BOX IN PLACE. ADJUST TO GRADE.
- 4 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE. REPLACE AND INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY (2) TO COLOR NO. 33538 OF FED-STD-595.
- 5 PROTECT EXISTING CONTROL CABINET IN PLACE.
- 6 PROTECT EXISTING BOLLARD IN PLACE.
- 7 EXISTING SURVEY MONUMENT TO BE PERPETUATED.
- 8 A. REMOVE AND RELOCATE EXISTING TRASH RECEPTACLE.
B. NEW LOCATION FOR EXISTING TRASH RECEPTACLE.
- 9 SAWCUT 1' FROM PROPOSED LIP OF CUTTER, AC PATCH TO MATCH GRADE.

TOPOGRAPHY SOURCE

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JULY 26, 2018. WORK ORDER NO. B-17114.

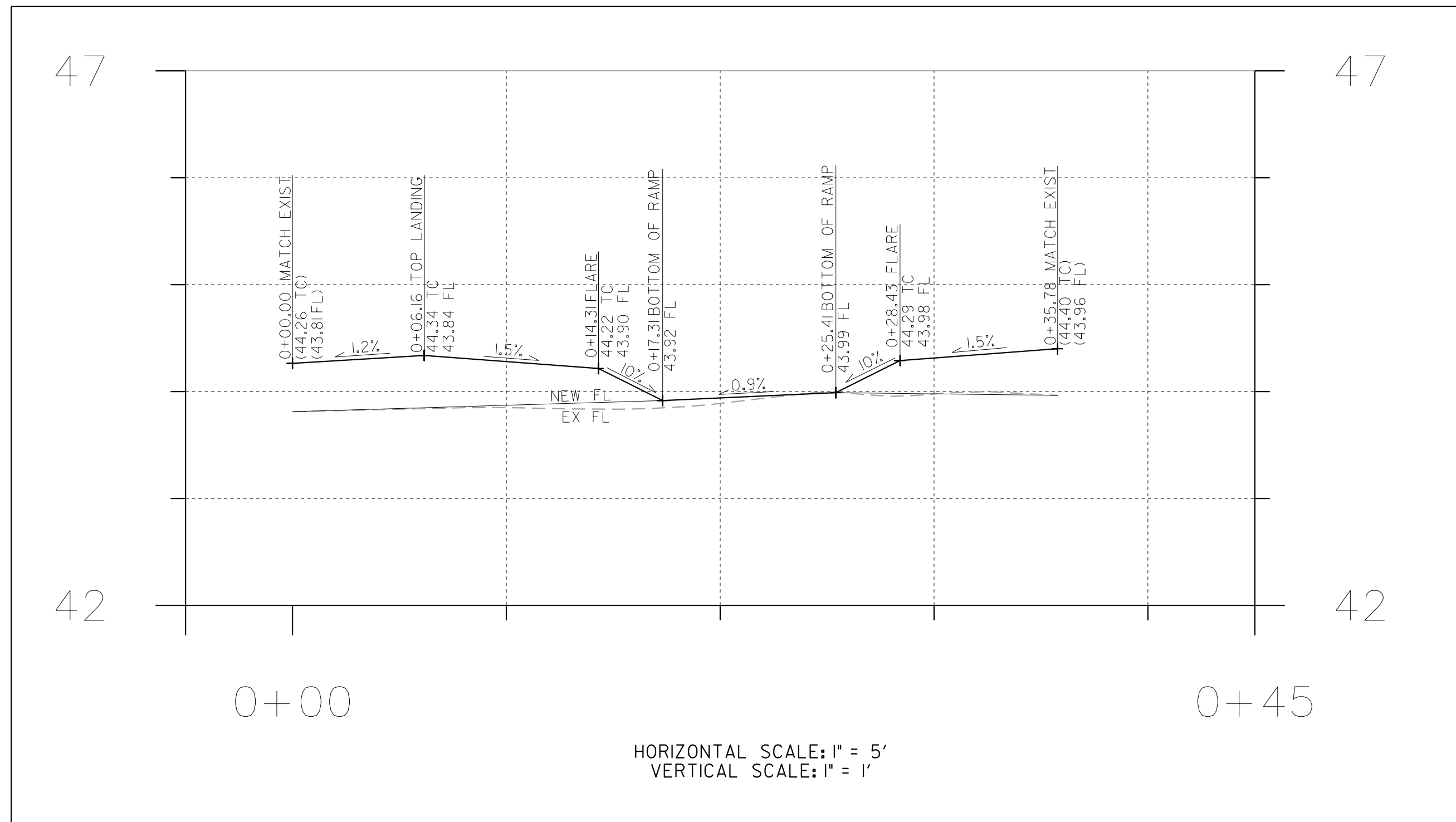
BENCHMARK

SWBP SECOND AVENUE AND C STREET, ELEVATION 44.355 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES

THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING RECORD OF SURVEY I4492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION CONSTRAINING TO GPS I73, GPSI7, I.E. N04° 04' 52"W.

SW RAMP PROFILE AT TC

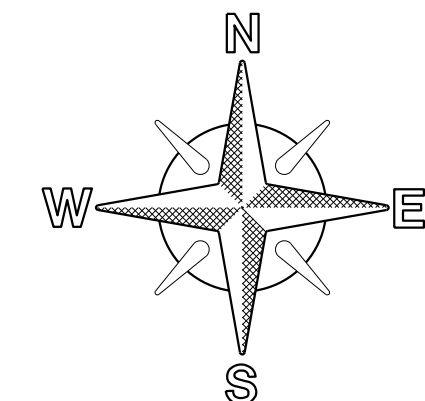


HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CURB ALIGNMENT DATA

C ST AND 2ND AVE SOUTHWEST CORNER

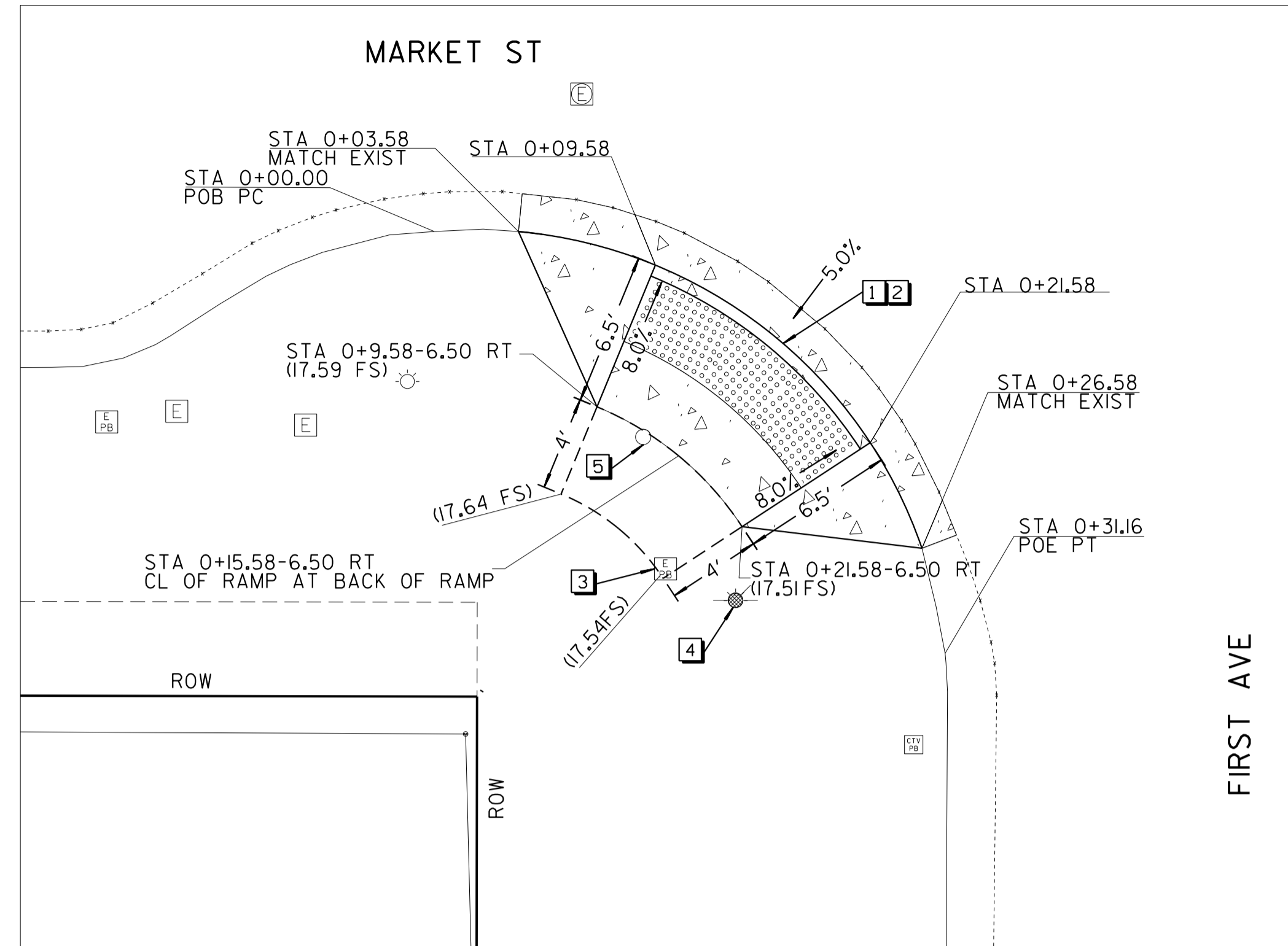
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: C & 2nd SW	Element: Linear PVI 0+00.00 44.26 PVI 0+06.17 44.34 Tangent Grade: 1.199% Tangent Length: 6.17
POB 0+00.00 1841764.38 6280833.68 STRAIGHT S 89° 16' 25.28" E D = 8.06 PC 0+08.06 1841764.27 6280841.74 R = +15.00 DELTA = 89° 04' 37.33" RT L = 23.32	Element: Linear PVI 0+06.17 44.34 PVI 0+14.31 44.22 Tangent Grade: -1.500% Tangent Length: 8.14
PT 0+31.38 1841749.33 6280856.55 STRAIGHT S 0° 11' 47.95" E D = 10.46 POE 0+41.85 1841738.86 6280856.59	Element: Linear PVI 0+14.31 44.22 PVI 0+17.31 43.92 Tangent Grade: -10.000% Tangent Length: 3.00
	Element: Linear PVI 0+17.31 43.92 PVI 0+25.41 43.99 Tangent Grade: 0.915% Tangent Length: 8.10
	Element: Linear PVI 0+25.41 43.99 PVI 0+28.41 44.29 Tangent Grade: 10.000% Tangent Length: 3.00
	Element: Linear PVI 0+28.41 44.29 PVI 0+35.78 44.40 Tangent Grade: 1.506% Tangent Length: 7.37



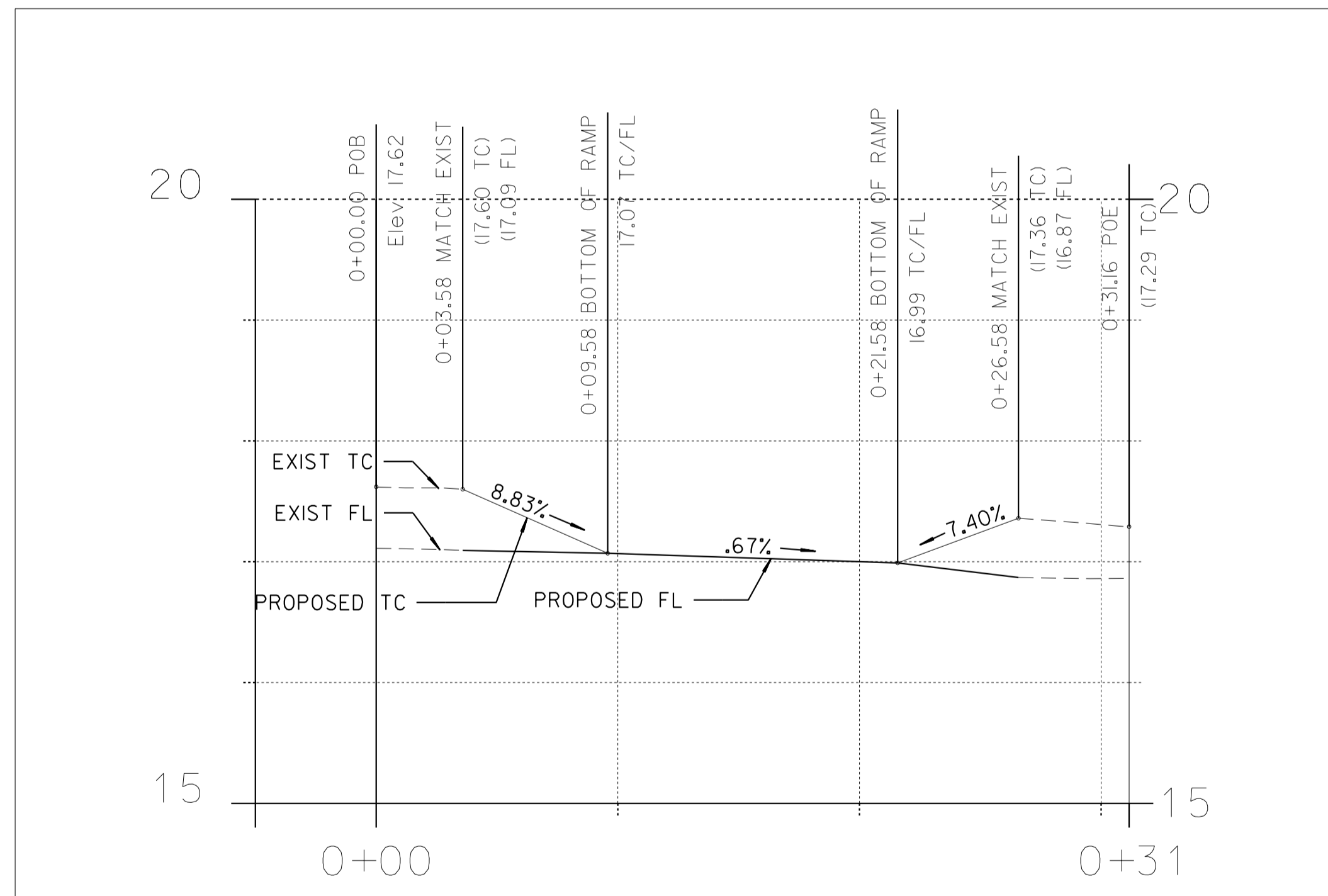
C-54

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
C ST AND 2ND AVE – SWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 57 OF 75 SHEETS		WBS# B-17114
APPROVED:	DATE:	SUBMITTED BY:
FOR CITY ENGINEER DAYLIE ZHANG PRINT DCE NAME	C70971 RCE#	AVEEN SALEH PROJECT MANAGER
DESCRIPTION	BY	APPROVED
ORIGINAL	JK	DATE
		FILMED
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED
		198-1719 PROJECT ENGINEER
		1838-6280 CCS27 COORDINATE
		40677-57-D CCS83 COORDINATE



MARKET ST AND FIRST AVE SW CORNER TYPE A RAMP
SCALE: 1"=5'



PROFILE AT TC
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 WITH 12' WIDE RAMP OPENING AND DETAIL. USE CAST-IN PLACE REPLACEABLE DWT PER CITY AML TO ACCOMMODATE TRIMMING OF PANELS FOR THE RADIUS CORNER.
- 2 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETSCAPE MANUAL (CCSM) FOR "CHILDRENS PARK PAVING" SIDEWALK PATTERN AND TREATMENT.
- 3 PROTECT EXIST UTILITY BOX IN PLACE.
- 4 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 5 EXIST SURVEY MONUMENT TO BE PERPETUATED.

CURB ALIGNMENT DATA:

MARKET ST AND FIRST AVE-SOUTHWEST CORNER	
HORIZONTAL ALIGNMENT	
Alignment: Market and 1st SWC TC Proposed	
POINT STATION	NORTHING (Y) EASTING (X)
ELEMENT	BRG/DELTA DIST/LENGTH
PC 0+00.00	1839844.75 6280550.73 R = +20.00 DELTA = 89° 15' 57" RT L = 31.16
PT 0+31.16	1839826.85 6280572.39

FIELD DATA:

TOPOGRAPHY SOURCE:

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON FEBRUARY 17, 2021, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 SITE 12 (VIC MARKET AND 1ST).

REFERENCES:

SUBDIVISION MAPS: HORTON'S ADDITION, 13956, 14071
CORNER RECORDS: 7143, 7232, 17358, 33064
PARCEL MAP: 19751
RECORD OF SURVEY: 12153

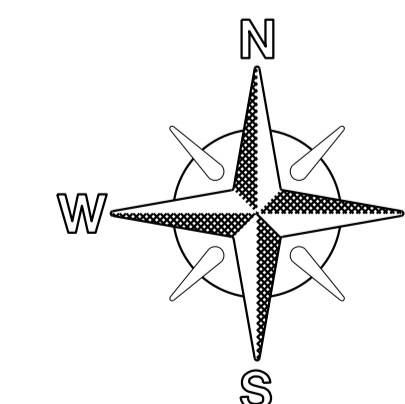
City of San Diego PRELIMINARY SURVEY FIELD NOTES:
B-17114, CR IMPS GRP 1701, AREA 6 SITES 1-3, TOWILL, 06/18/2018, 198-1719

BASIS OF BEARINGS/COORDINATES:

The Basis of Bearings for this project was derived from a previous STATIC GPS Survey using R.of S.14492 NAD 83 feet, Zone 6 (epoch 1991.35), utilizing RTK/GPS field procedures with a CALVRS Base Station broadcast of 2019 and constraining to GPS 173, GPS 17 (P+ 20017), I.E. N 4° 04' 52" W,

BENCH:

SWBP HAWTHORN ST & PACIFIC HWY (Pt 50)
Elev. 14.239 MSL, Based on NGVD 29 FEET as shown in the City of San Diego Bench Book



C-55

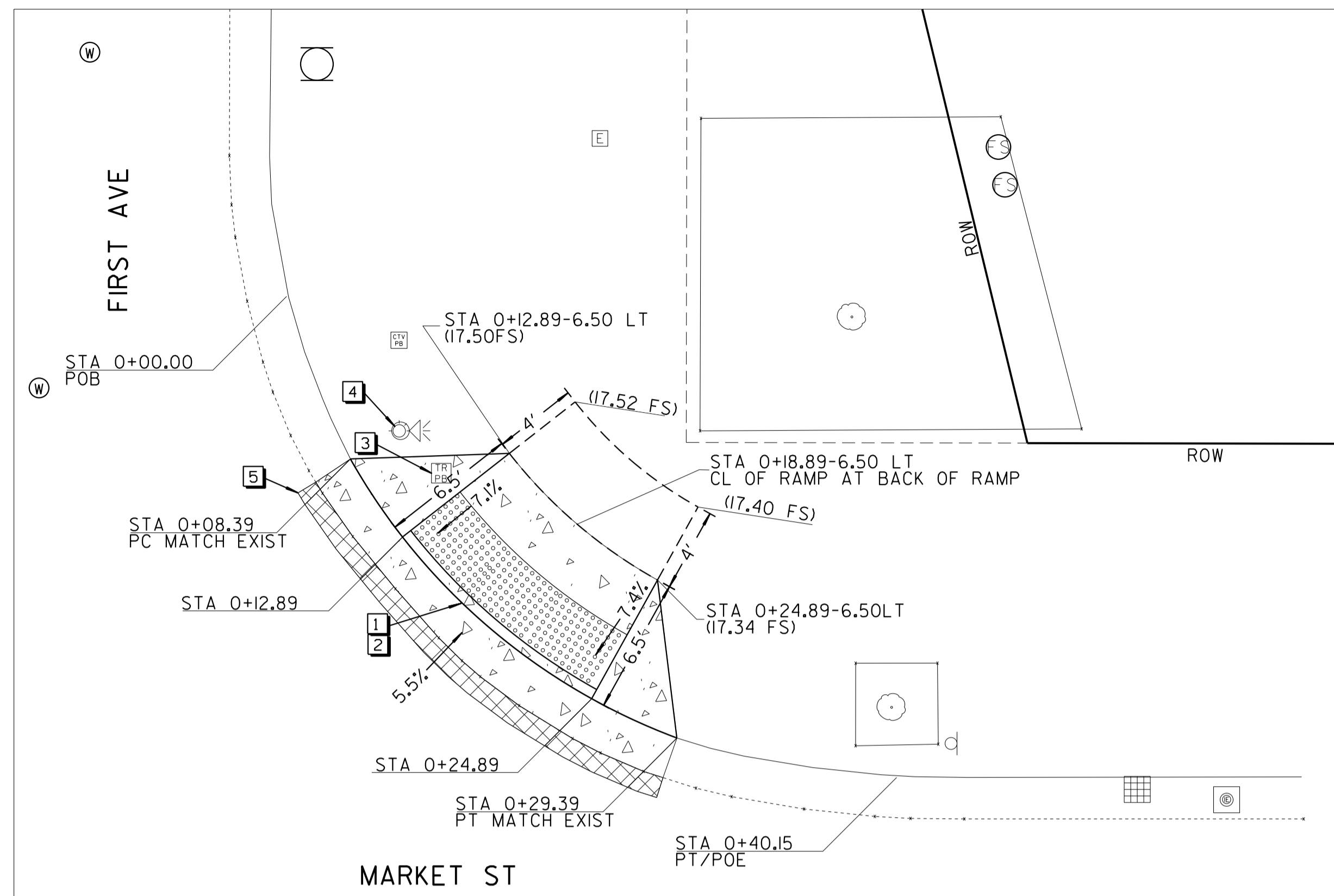
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
MARKET ST AND FIRST AVE - SWC

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS
SHEET 58 OF 75 SHEETS

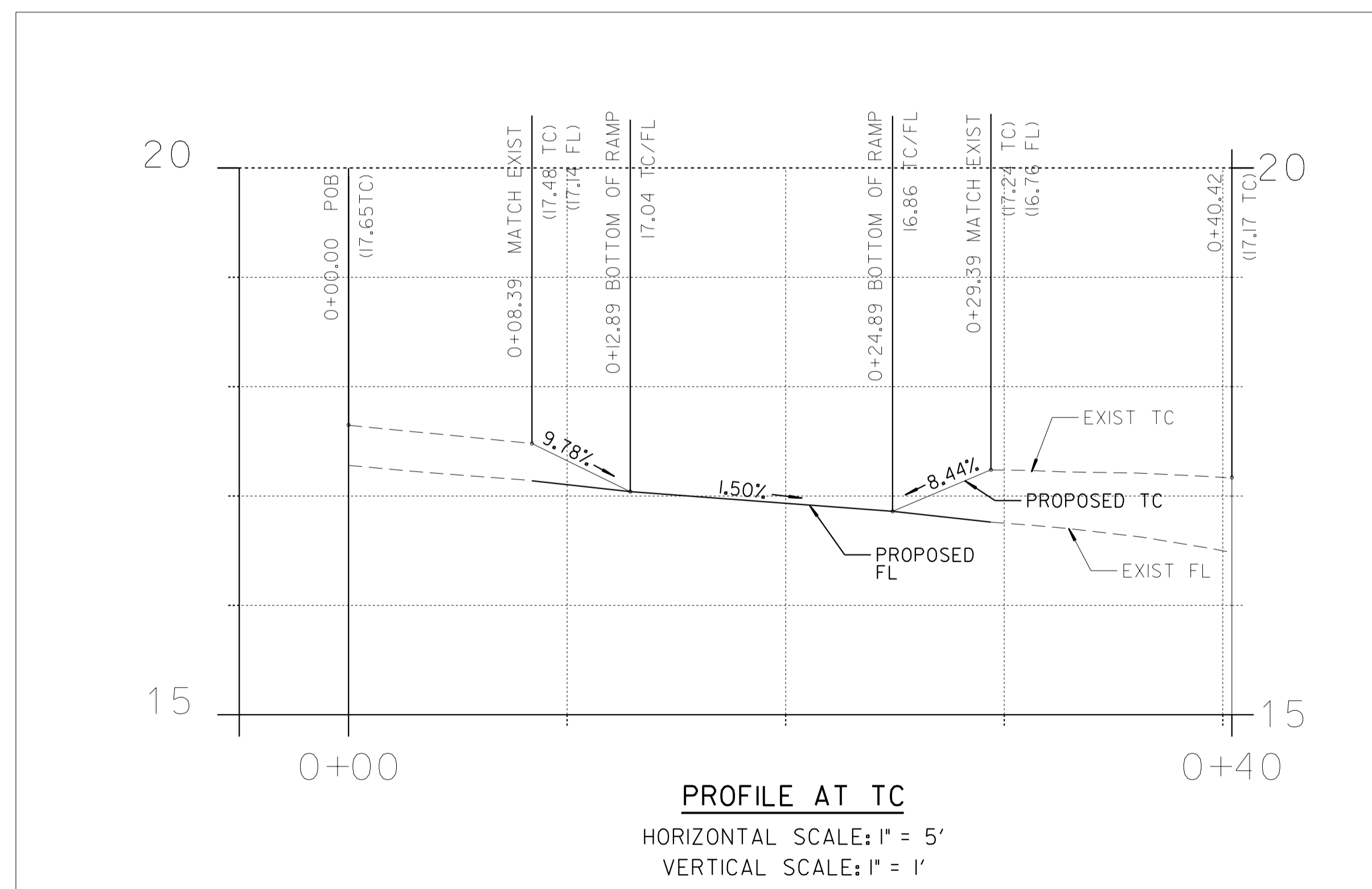
WBS# B-17114

APPROVED FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY AVEEN SALEH PROJECT MANAGER
DESCRIPTION	BY	APPROVED DATE FILMED
ORIGINAL	CD	
		198-1719
		CCS27 COORDINATE
		6280407-1838444
		CCS83 COORDINATE

CONTRACTOR	DATE STARTED	40677-58-D
INSPECTOR	DATE COMPLETED	



MARKET ST AND FIRST AVE NE CORNER TYPE A RAMP
SCALE: 1"=5'



PROFILE AT TC
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 WITH 12' WIDE RAMP OPENING AND DETAIL. USE CAST-IN PLACE REPLACEABLE DWT PER CITY AML TO ACCOMMODATE TRIMMING OF PANELS FOR THE RADIUS CORNER.
- 2 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETSCAPE MANUAL (CCSM) FOR "CHILDRENS PARK PAVING" SIDEWALK PATTERN AND TREATMENT.
- 3 PROTECT EXIST UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 4 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 5 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE.

FIELD DATA:

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON FEBRUARY 17, 2021, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 SITE 12 (VIC MARKET AND 1ST).

REFERENCES:
SUBDIVISION MAPS: HORTON'S ADDITION, 13956, 14071
CORNER RECORDS: 7143, 7232, 17358, 33064
PARCEL MAP: 19751
RECORD OF SURVEY: 12153

City of San Diego PRELIMINARY SURVEY FIELD NOTES;
B-17114, CR IMPS GRP 1701, AREA 6 SITES 1-3, TOWILL, 06/18/2018, 198-1719

BASIS OF BEARINGS/COORDINATES:
The Basis of Bearings for this project was derived from a previous STATIC GPS Survey using R.of S.14492 NAD 83 feet, Zone 6 (epoch 1991.35), utilizing RTK/GPS field procedures with a CALVRS Base Station broadcast of 2019 and constraining to GPS 173, GPS 17 (Pt 20017), I.E. N 4° 04' 52" W.

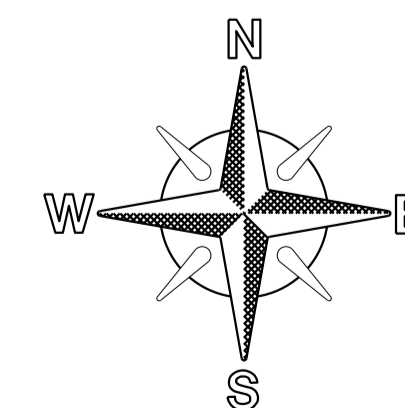
BENCH:
SWBP HAWTHORN ST & PACIFIC HWY (Pt 50)
Elev. 14.239 MSL, Based on NGVD 29 FEET as shown in the City of San Diego Bench Book

CURB ALIGNMENT DATA:

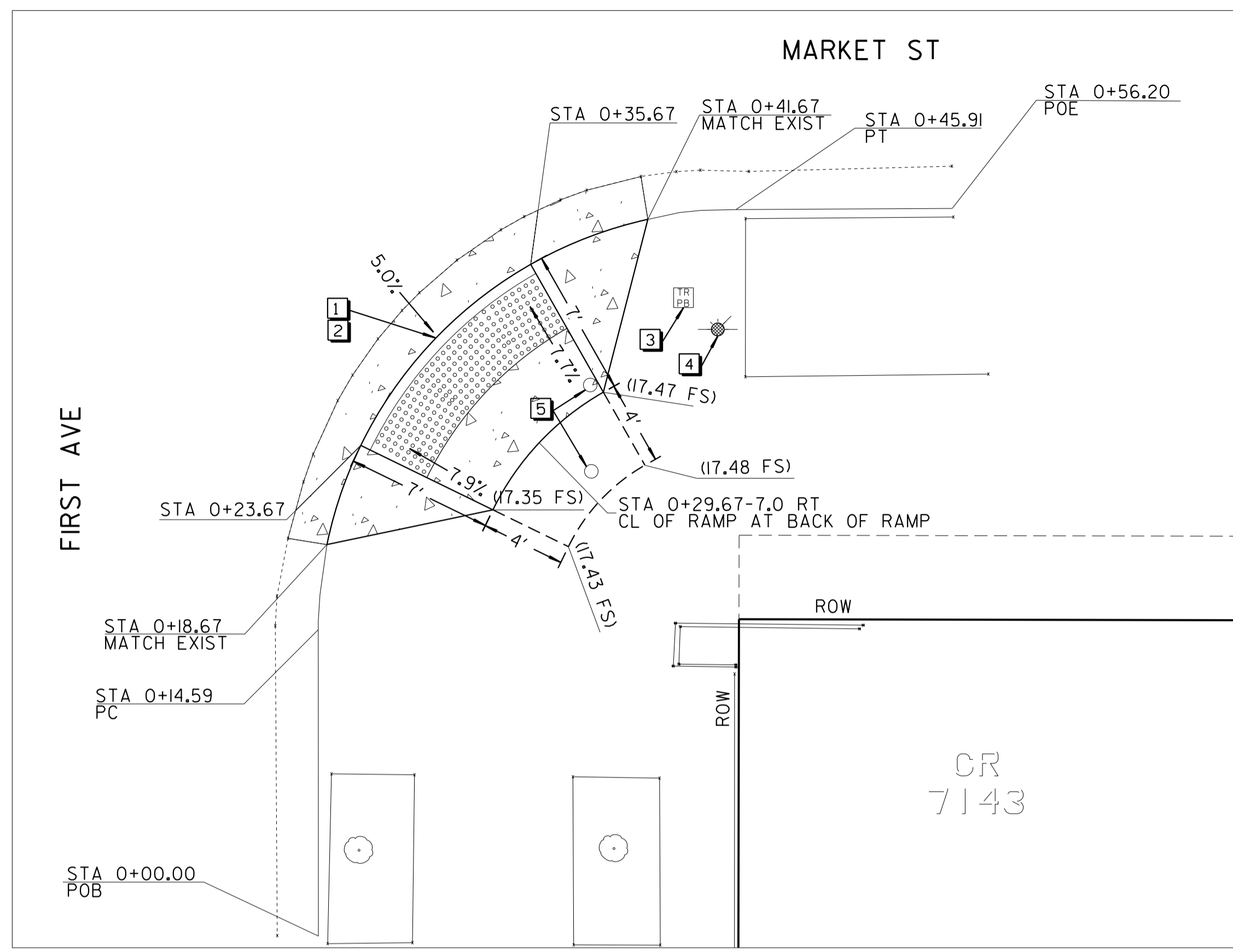
MARKET ST AND FIRST AVE-NORTHEAST CORNER
HORIZONTAL ALIGNMENT
Alignment: Market and 1st NEC TC proposed
POINT STATION NORTHING (Y) EASTING (X) ELEMENT BRG/DELTA DIST/LENGTH
PC 0+00.00 1839935.85 6280613.58 R = -30.00 DELTA = 76° 40' 37" LT L = 40.15
PT 0+40.15 1839912.81 6280642.81

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CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
MARKET ST AND FIRST AVE - NEC



CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 59 OF 75 SHEETS		WBS#	B-17114
APPROVED:	DATE	SUBMITTED BY:	
FOR CITY ENGINEER		AVEEN SALEH	
DAYUE ZHANG	C70971	PROJECT MANAGER	
PRINT DCE NAME	RCE#	CHRIS DARQUEA	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	CD		
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
		40677-59-D	



MARKET ST AND FIRST AVE SE CORNER TYPE A RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 WITH 12' WIDE RAMP OPENING AND DETAIL. USE CAST-IN PLACE REPLACEABLE DWT PER CITY AML TO ACCOMMODATE TRIMMING OF PANELS FOR THE RADIUS CORNER.
- 2 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETSCAPE MANUAL (CCSM) FOR "CHILDRENS PARK PAVING" SIDEWALK PATTERN AND TREATMENT.
- 3 PROTECT EXIST UTILITY BOX IN PLACE.
- 4 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 5 EXIST SURVEY MONUMENT TO BE PERPETUATED.

CURB ALIGNMENT DATA:

MARKET ST AND FIRST AVE-SOUTHEAST CORNER				
HORIZONTAL ALIGNMENT				
Alignment: SEC Market and 1st TC proposed				
POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA DIST/LENGTH
POB 0+00.00	1839809.77	6280612.52	STRAIGHT	N 0° 01' 23" W D = 14.59
PC 0+14.59	1839824.36	6280612.52	R	= +20.00 DELTA = 89° 42' 59" RT L = 31.32
PT 0+45.91	1839844.37	6280632.41	STRAIGHT	N 89° 41' 36" E D = 10.30
POE 0+56.20	1839844.42	6280642.70		

FIELD DATA:

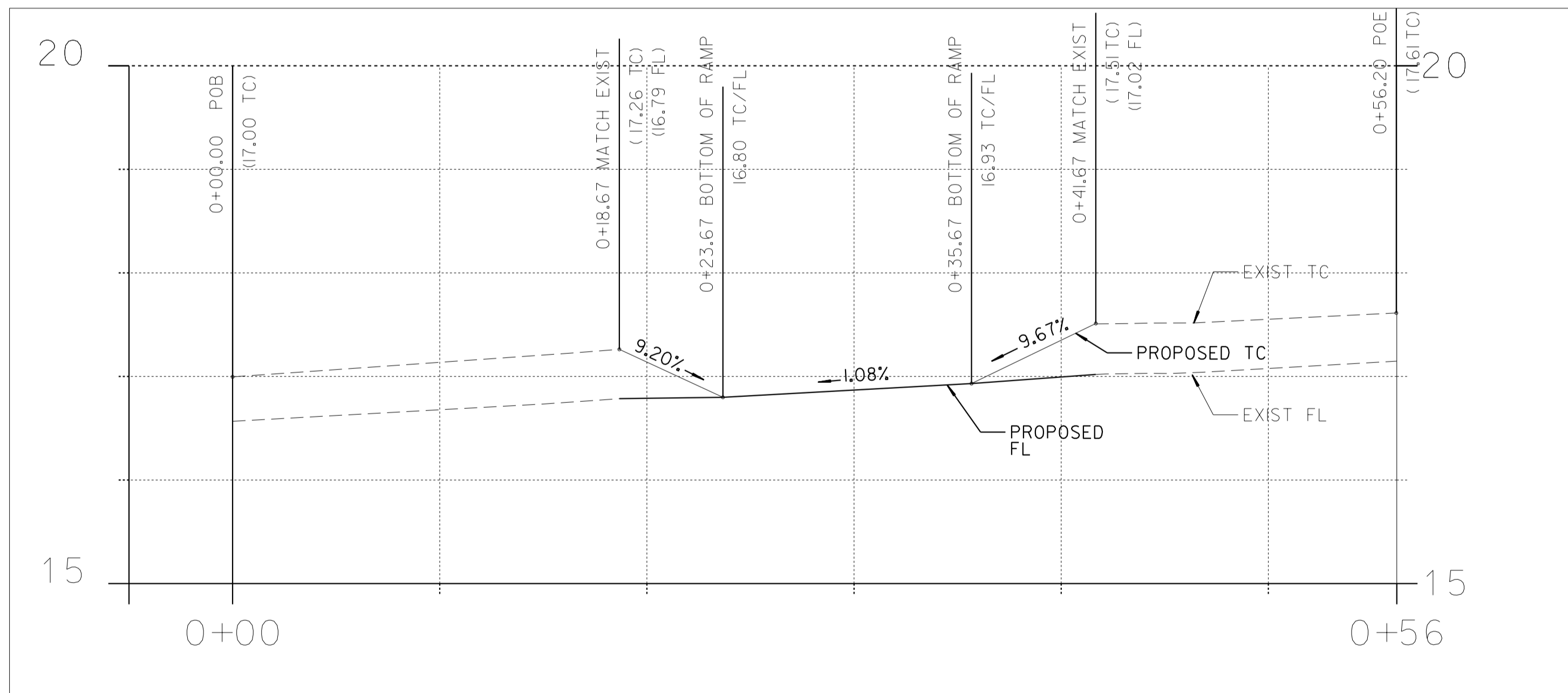
TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON FEBRUARY 17, 2021, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 SITE 12 (VIC MARKET AND 1ST).

REFERENCES:
SUBDIVISION MAPS: HORTON'S ADDITION, 13956, 14071
CORNER RECORDS: 7143, 7232, 17358, 33064
PARCEL MAP: 19751
RECORD OF SURVEY: 12153

City of San Diego PRELIMINARY SURVEY FIELD NOTES;
B-17114, CR IMPS GRP 1701, AREA 6 SITES 1-3, TOWILL, 06/18/2018, 198-1719

BASIS OF BEARINGS/COORDINATES:
The Basis of Bearings for this project was derived from a previous STATIC GPS Survey using R.of S.14492 NAD 83 feet, Zone 6 (epoch 1991.35), utilizing RTK/GPS field procedures with a CALVRS Base Station broadcast of 2019 and constraining to GPS 173, GPS 17 (Pt 20017), I.E. N 4° 04' 52" W.

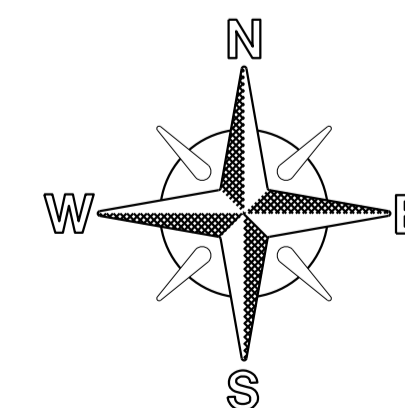
BENCH:
SWBP HAWTHORN ST & PACIFIC HWY (Pt 50)
Elev. 14.239 MSL, Based on NGVD 29 FEET as shown in the City of San Diego Bench Book



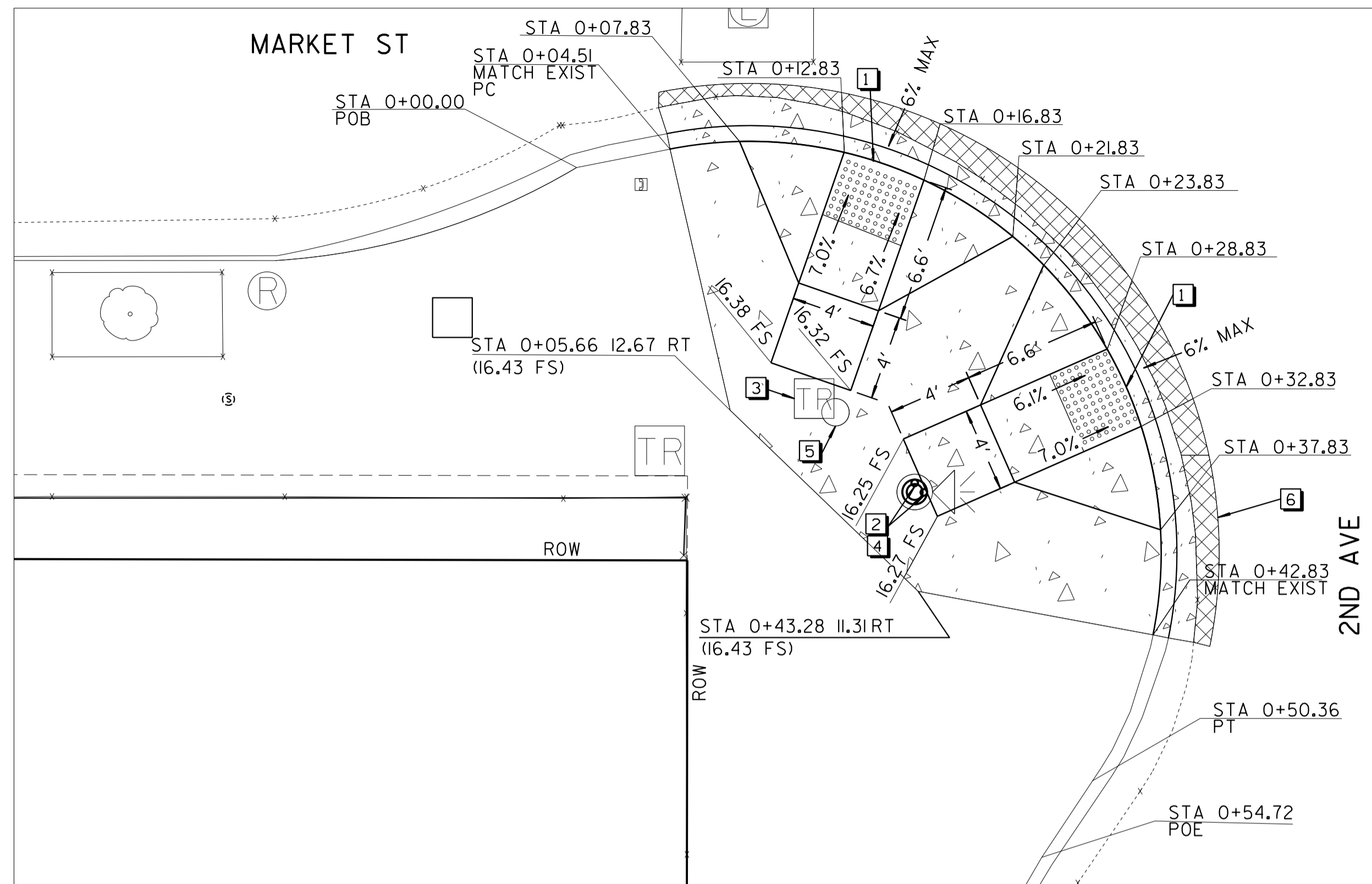
PROFILE AT TC
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

C-57

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
MARKET ST AND FIRST AVE - SEC



CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 60 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER CHRIS DARQUEA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	CD	
CONTRACTOR _____ DATE STARTED _____		INSPECTOR _____ DATE COMPLETED _____
		40677-60-D



MARKET ST AND 2ND AVE SW CORNER DUAL RAMPS
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 AND DETAIL.
- 2 REMOVE EX PEDESTRIAN PUSH BUTTONS. FURNISH AND INSTALL NEW ADA STANDARD PUSH BUTTON (2).
- 3 PROTECT EX UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 4 PROTECT EX TRAFFIC SIGNAL POLE IN PLACE.
- 5 EX SURVEY MONUMENT TO BE PERPETUATED.
- 6 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE.

CURB ALIGNMENT DATA:

MARKET ST AND 2ND AVE-SOUTHWEST CORNER	
HORIZONTAL ALIGNMENT	
ALIGNMENT: Market and 2nd SWC Proposed	
POB	0+00.00 1839843.03 6280827.58
	STRAIGHT N 78° 51'38" E D = 4.51
PC	0+04.51 1839843.90 6280832.01
	R = +19.50 DELTA = 134° 44'05" RT L = 45.86
PT	0+50.36 1839813.98 6280852.02
	STRAIGHT S 33° 35'44" W D = 4.35
POE	0+54.72 1839810.35 6280849.61

FIELD DATA

REFERENCES:

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON SEPTEMBER 6, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 6, SITES 1-3.

SUBDIVISION MAP:
HORTON'S ADDITION MAP 369, 13916

CORNER RECORD:
2316, 4843, 10164, 15233, 15236, 15973, 17100, 27667, 29126, 30427, 35174

PARCEL MAP:
9616, 15076, 15803, 19751, 21100

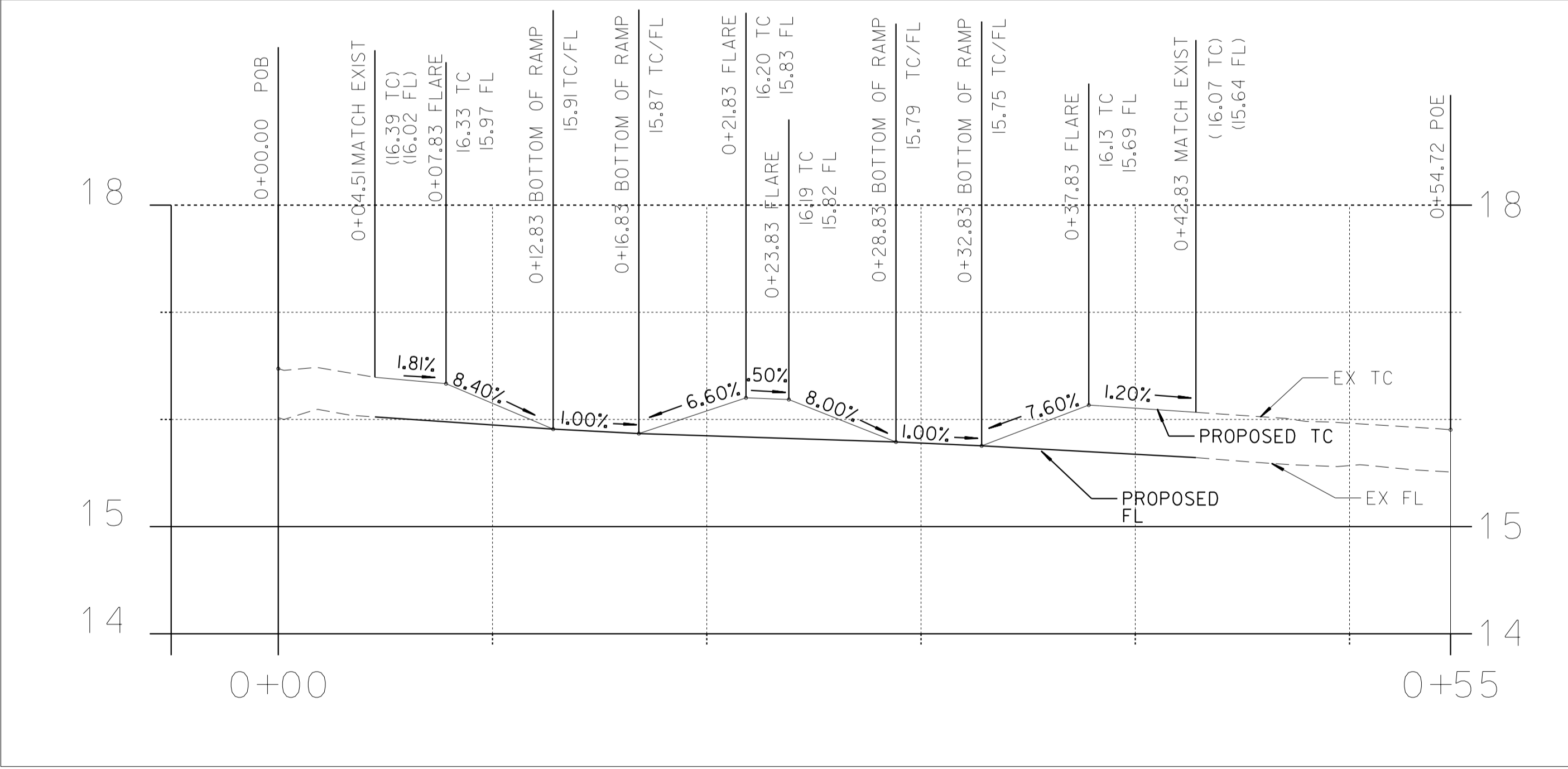
RECORD OF SURVEY:
12153

CITY DRAWING:
16665-B, 18340-B

ADJOINING JOB:
B-18021 / B-18022, AC WTR SWR GRP 1033, DAVIS/PILKINTON, 05/31/2018, 196-1716

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 30, AND GPS 32, I.E. N 54° 11'55" W.

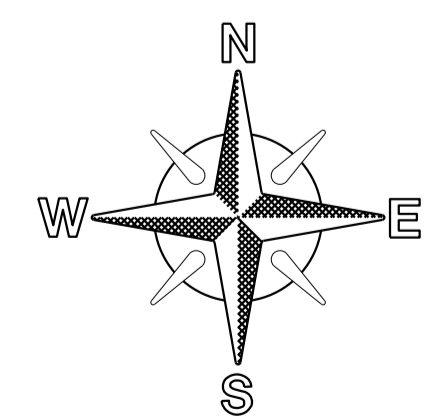
BENCH:
+SEBP G STREET & THIRD AVE (PT# 19)
ELEV. 24.332' MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK



PROFILE AT TC
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

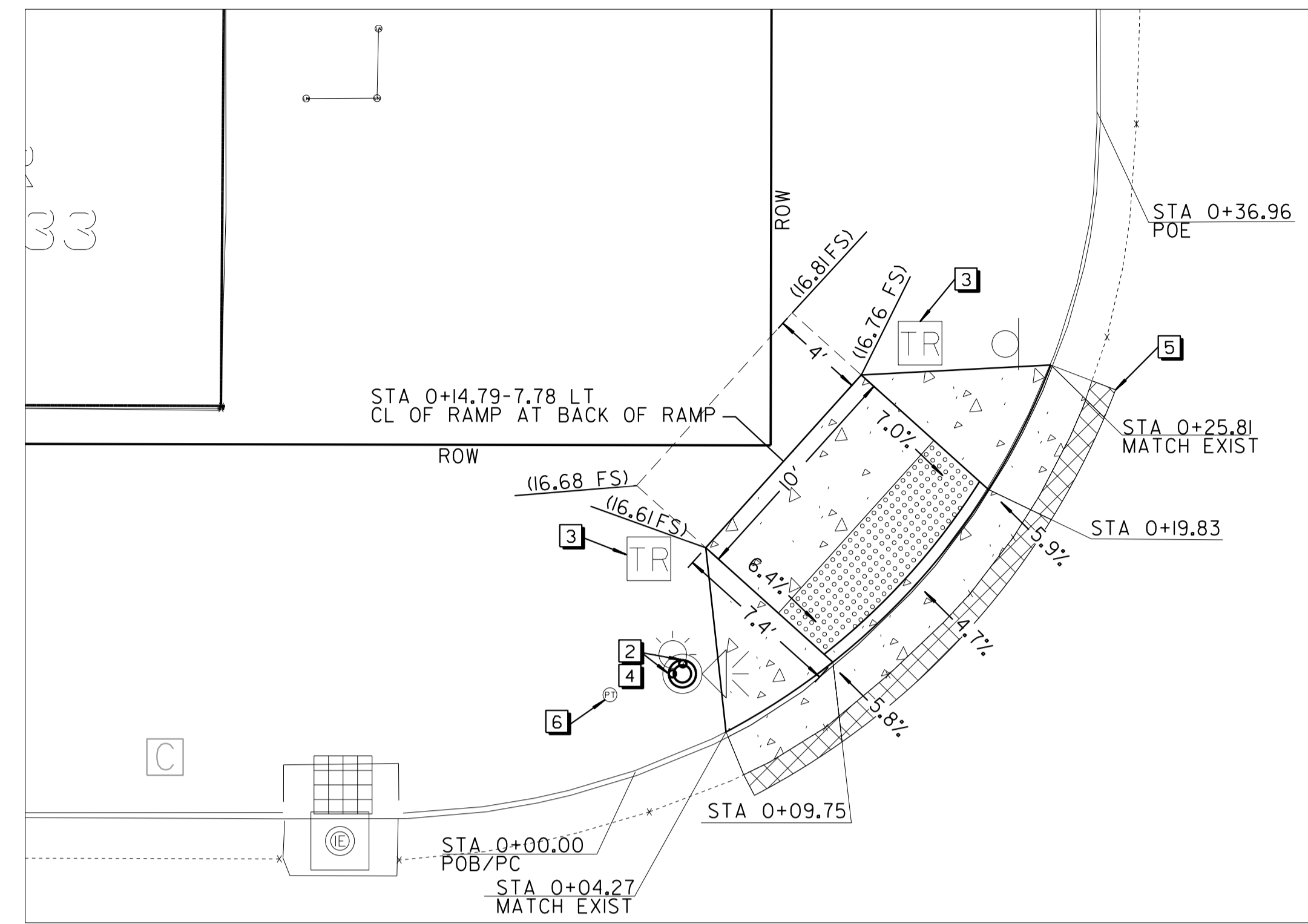
C-58

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
MARKET ST AND 2ND AVE - SWC

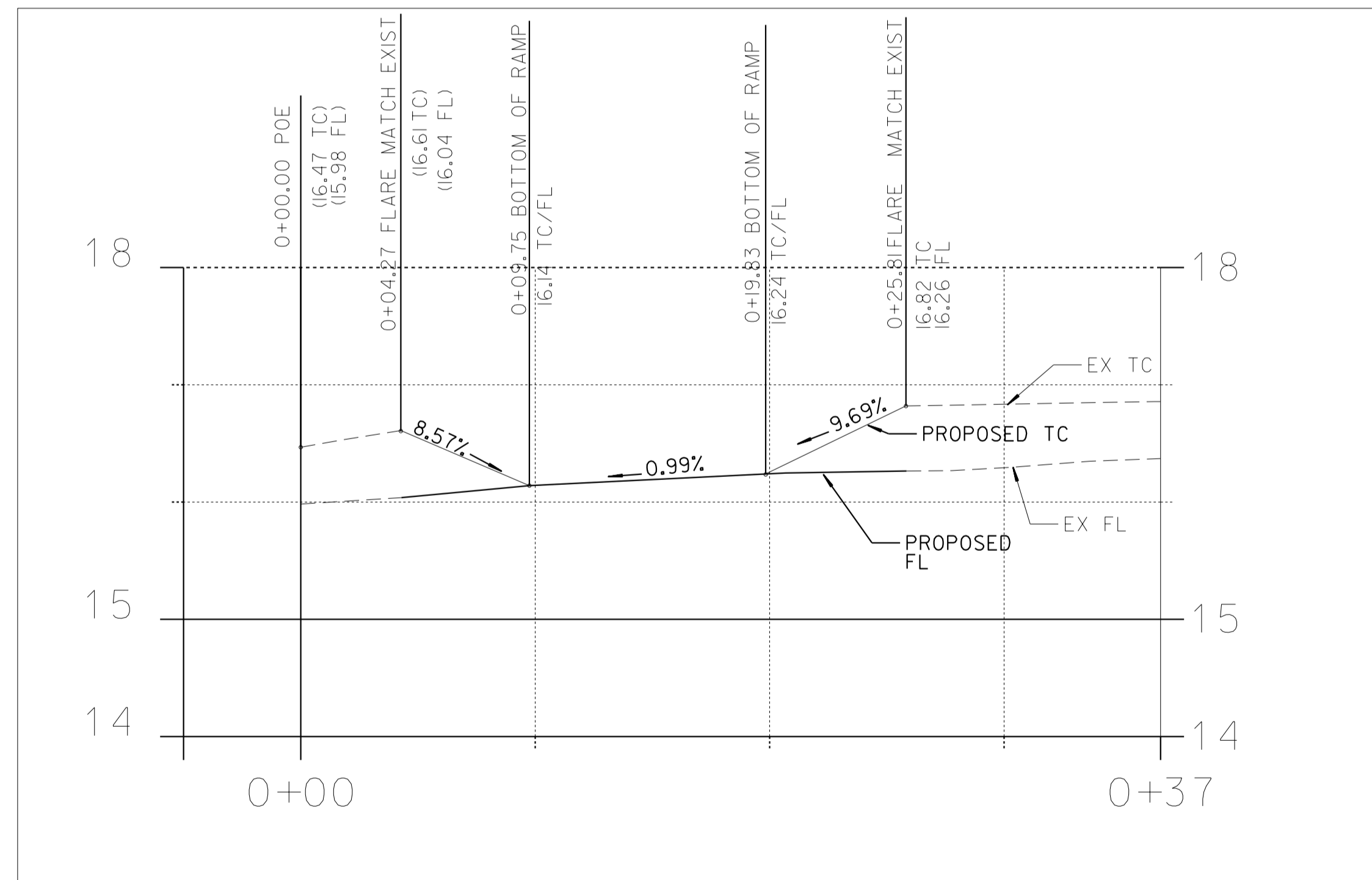


CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 61 OF 75 SHEETS		WBS# B-17114
APPROVED FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER CHRIS DARQUEA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	CD	AS
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	40677-61-D

CURB RAMP DETAIL



MARKET ST AND 2ND AVE NW TYPE A RAMP
SCALE: 1"=5'



PROFILE AT TC
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP WITH 10' WIDE OPENING PER SDG-I32 AND DETAIL.
- 2 REMOVE EX PEDESTRIAN PUSH BUTTONS. FURNISH AND INSTALL NEW ADA STANDARD PUSH BUTTON (2).
- 3 PROTECT EX UTILITY BOX IN PLACE.
- 4 PROTECT EX TRAFFIC SIGNAL POLE IN PLACE.
- 5 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE.
- 6 RELOCATE TRASH RECEPTACLE AWAY FROM CLEAR SPACE AT PEDESTRIAN PUSH BUTTON.

CURB ALIGNMENT DATA:

MARKET ST AND 2ND AVE-NORTHWEST CORNER
HORIZONTAL ALIGNMENT
ALIGNMENT: Market and 2nd NW TC Proposed
PC 0+00.00 183994.37 6280827.19
R = -30.00 DELTA = 70° 35'46" LT L = 36.96
PT 0+36.96 1839942.78 6280847.05

FIELD DATA

REFERENCES:

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON SEPTEMBER 6, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 6, SITES 1-3.

SUBDIVISION MAP:
HORTON'S ADDITION MAP 369, 13916

CORNER RECORD:
2316, 4843, 10164, 15233, 15236, 15973, 17100, 27667, 29126, 30427, 35174

PARCEL MAP:
9616, 15076, 15803, 19751, 21100

RECORD OF SURVEY:
12153

CITY DRAWING:
16665-B, 18340-B

ADJOINING JOB:
B-18021 / B-18022, AC WTR SWR GRP 1033, DAVIS/PILKINTON, 05/31/2018, 196-1716

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 30, AND GPS 32, I.E. N 54° 11' 55" W.

BENCH:
+SEBP G STREET & THIRD AVE (PT# 19)
ELEV. 24.332' MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK

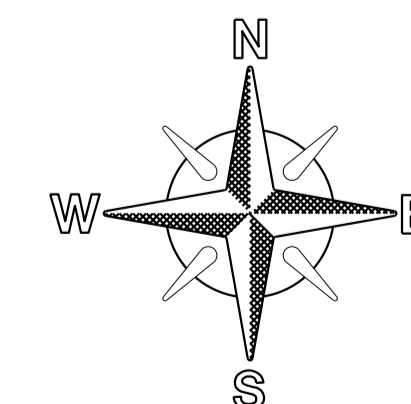
C-59

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
MARKET ST AND 2ND AVE - NWC

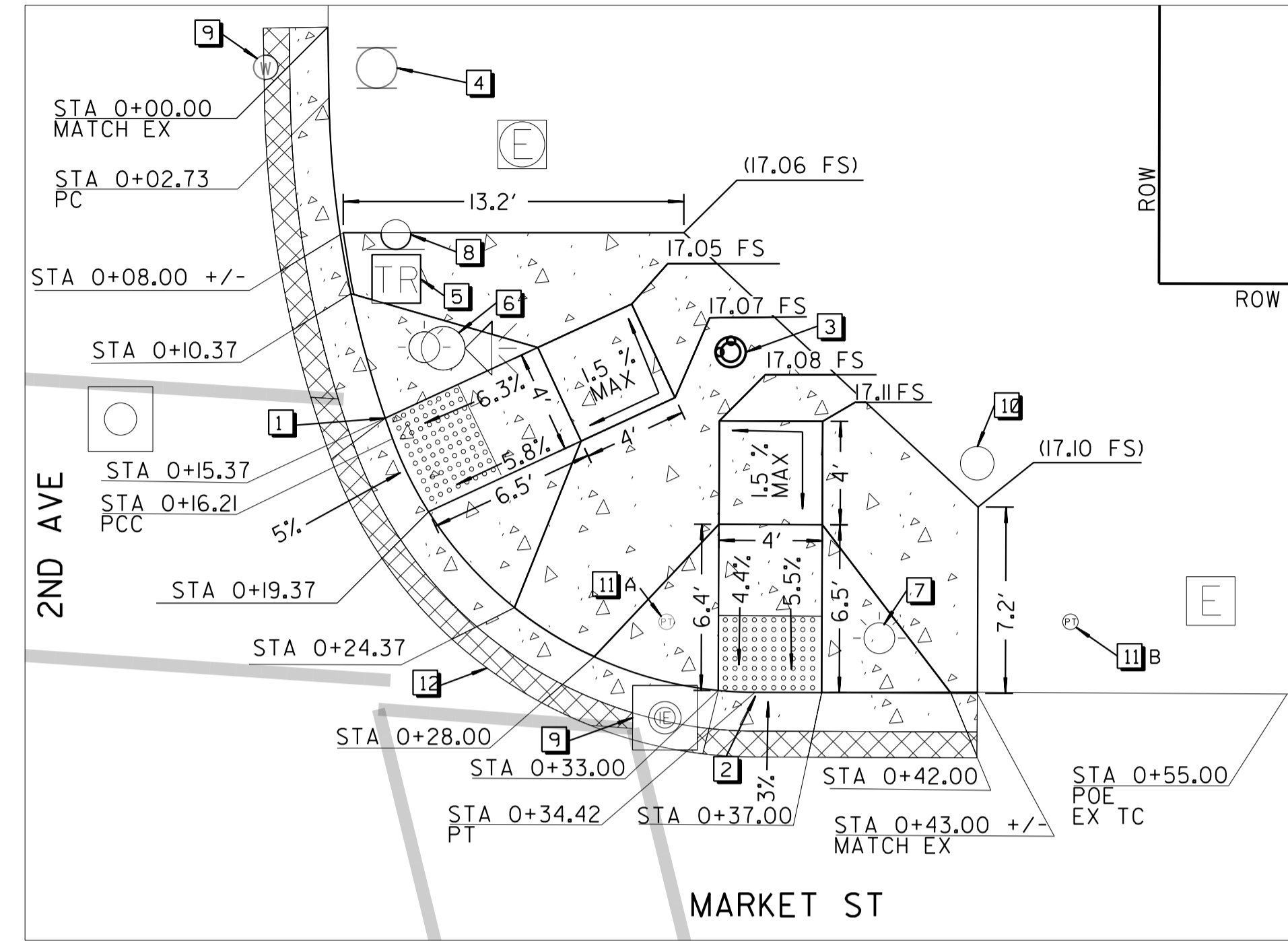
CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS
SHEET 62 OF 75 SHEETS

WBS# B-17114

APPROVED:	DATE	SUBMITTED BY:
FOR CITY ENGINEER		AVEEN SALEH
DAYUE ZHANG	C70971	PROJECT MANAGER
PRINT DCE NAME	RCE#	CHRIS DARQUEA
		PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	CD	
		198-1719
		CCS27 COORDINATE
		6280407-1838444
		CCS83 COORDINATE



CONTRACTOR	DATE STARTED	40677-62-D
INSPECTOR	DATE COMPLETED	



MARKET ST AND 2ND AVE NE CORNER DUAL RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 AND DETAIL.
- 2 CONSTRUCT TYPE "B" CURB RAMP PER SDG-133 AND DETAIL.
- 3 REMOVE EXIST PEDESTRIAN PUSH BUTTON, FURNISH AND INSTALL NEW ADA STANDARD PUSH BUTTON (2) AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CAL TRANS 2018 STANDARD PLAN ES-7A.
- 4 PROTECT EXIST FIRE HYDRANT IN PLACE.
- 5 PROTECT EXIST UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 6 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 7 PROTECT EXIST STREET LIGHT IN PLACE.
- 8 REMOVE AND REINSTALL EXIST SIGN AND POST.
- 9 ADJUST SURFACE RIM TO GRADE.
- 10 EXIST SURVEY MONUMENT TO BE PERPETUATED.
- 11 A. REMOVE AND RELOCATE EXISTING PLANTER.
B. NEW LOCATION FOR EXISTING PLANTER.
- 12 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE.

FIELD DATA

REFERENCES:

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON SEPTEMBER 6, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 6, SITES 1-3.

SUBDIVISION MAP:
HORTON'S ADDITION MAP 369, 13916

CORNER RECORD:
2316, 4843, 10164, 15233, 15236, 15973, 17100, 27667, 29126, 30427, 35174

PARCEL MAP:
9616, 15076, 15803, 19751, 21100

RECORD OF SURVEY:
12153

CITY DRAWING:
16665-B, 18340-B

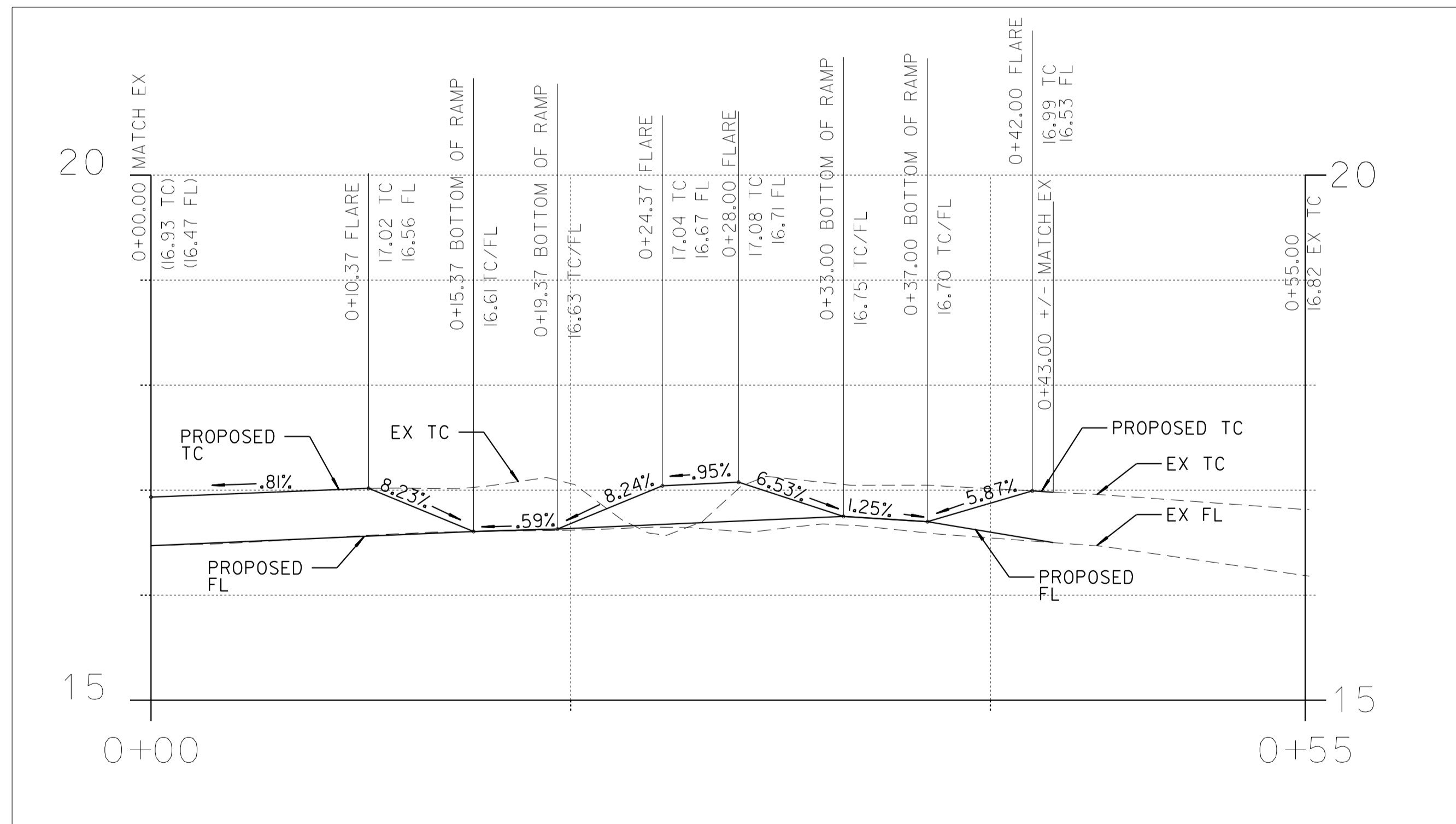
ADJOINING JOB:
B-18021 / B-18022, AC WTR SWR GRP 1033, DAVIS/PILKINTON, 05/31/2018, 196-1716

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F S.14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 30, AND GPS 32, I.E. N 54° 11' 55" W.

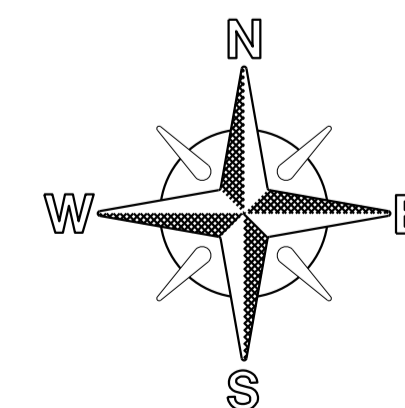
BENCH:
+SEBP G STREET & THIRD AVE (PT# 19)
ELEV. 24.332' MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK

CURB ALIGNMENT DATA:

MARKET ST AND 2ND AVE-NORTHEAST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: Market and 2nd NEC TC Proposed Station Northing Easting	
POB 0+00.00 1839938.18 6280880.86 STRAIGHT S 0° 54' 54.80" E D = 2.73	
PC 0+02.73 1839935.45 6280880.90 R = -40.00 DELTA = 19° 18' 15.18" LT L = 13.48	
PCC 0+16.21 1839922.26 6280883.36 R = -15.00 DELTA = 69° 33' 51.67" LT L = 18.21	
PT 0+34.42 1839912.44 6280897.38 STRAIGHT S 89° 47' 01.65" E D = 20.58	
POE 0+55.00 1839912.37 6280917.96	
Element: Linear PVI 0+15.37 16.61 PVI 0+10.37 17.02 Tangent Grade: 0.81% Tangent Length: 10.37	Element: Linear PVI 0+10.37 17.02 PVI 0+15.37 16.61 Tangent Grade: -8.23% Tangent Length: 5.00
Element: Linear PVI 0+24.37 17.04 PVI 0+19.37 16.63 Tangent Grade: 0.59% Tangent Length: 4.00	Element: Linear PVI 0+24.37 17.04 PVI 0+28.00 17.08 Tangent Grade: 8.24% Tangent Length: 5.00
Element: Linear PVI 0+28.00 17.08 PVI 0+33.00 16.75 Tangent Grade: 0.95% Tangent Length: 5.00	Element: Linear PVI 0+28.00 17.08 PVI 0+37.00 16.70 Tangent Grade: -1.25% Tangent Length: 4.00
Element: Linear PVI 0+37.00 16.70 PVI 0+42.00 16.99 Tangent Grade: 5.87% Tangent Length: 5.00	Element: Linear PVI 0+37.00 16.70 PVI 0+42.00 16.99 Tangent Grade: -1.36% Tangent Length: 13.00



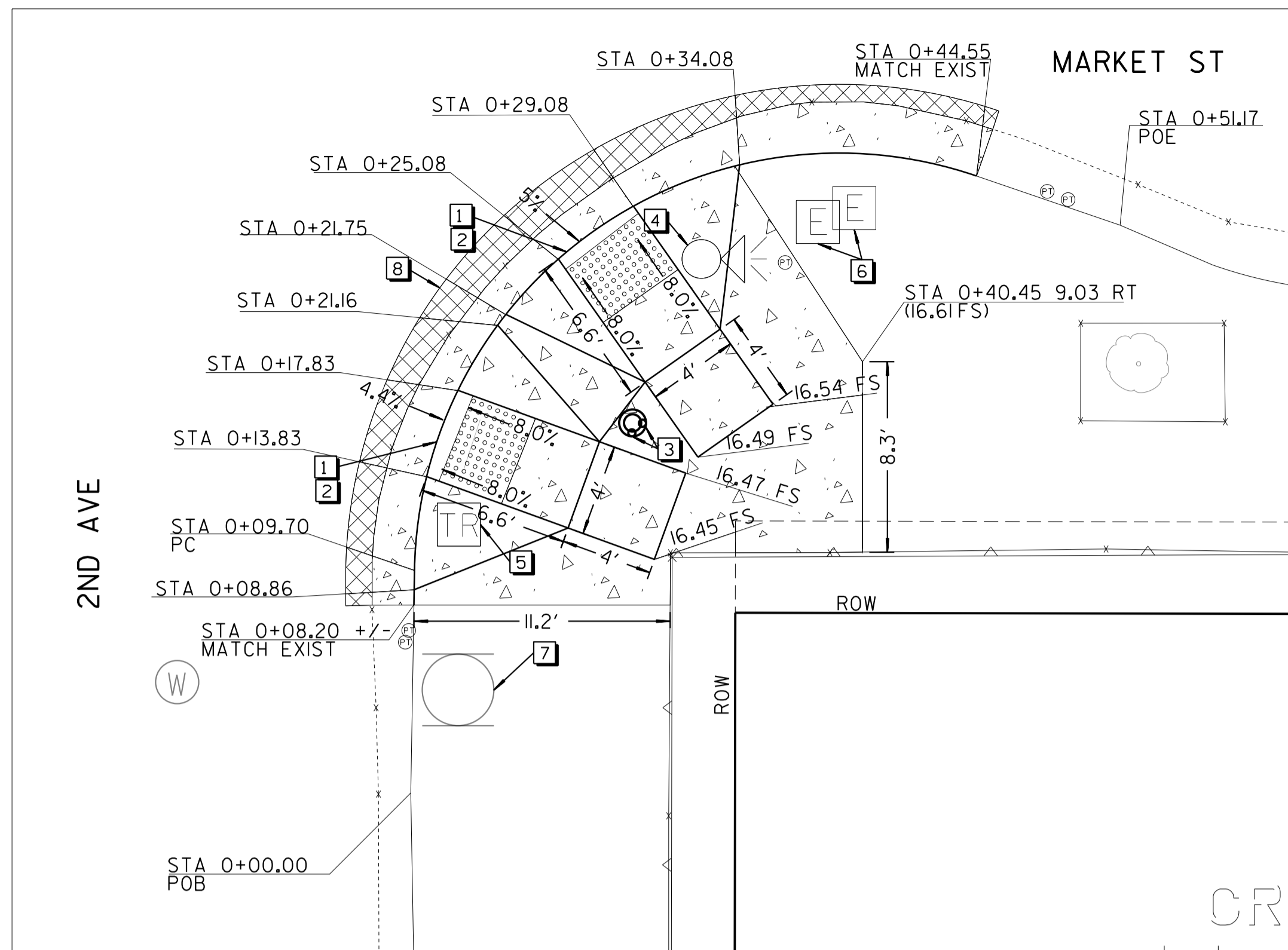
CURB PROFILE
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'



C-60

**CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
MARKET ST AND 2ND AVE - NEC**

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 63 OF 75 SHEETS		WBS# B-17114
APPROVED FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY AVEEN SALEH PROJECT MANAGER CHRIS DARQUEA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	CD	AA
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	
		40677-63-D



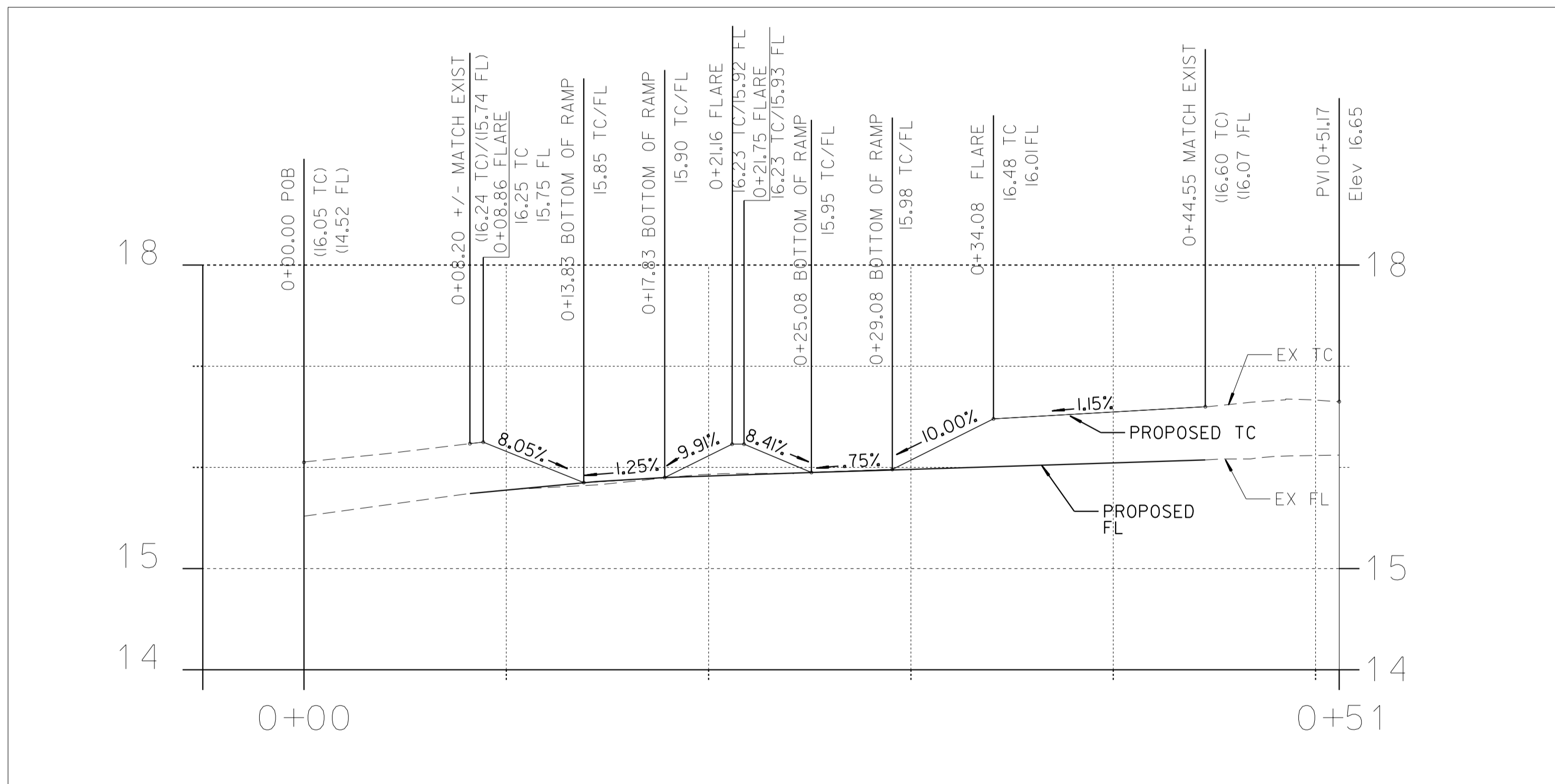
CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132, SDG-134 AND DETAIL.
- 2 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETSCAPE MANUAL (CCSM) FOR "MARKET STREET PAVING" SIDEWALK PATTERN AND TREATMENT.
- 3 REMOVE EXIST PEDESTRIAN PUSH BUTTONS, FURNISH AND INSTALL NEW ADA STANDARD PUSH BUTTON (2) AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CAL TRANS 2018 STANDARD PLAN ES-7A.
- 4 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 5 PROTECT EXIST UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 6 PROTECT EXIST UTILITY BOX IN PLACE.
- 7 PROTECT EXIST FIRE HYDRANT IN PLACE.
- 8 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE.

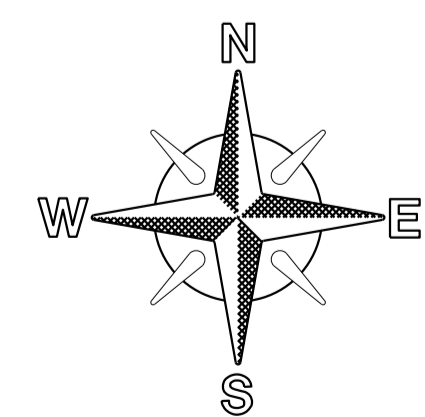
CURB ALIGNMENT DATA:	
MARKET ST AND 2ND AVE-SOUTHEAST CORNER	
HORIZONTAL ALIGNMENT	
ALIGNMENT: Market and 2nd SEC Proposed	
POB 0+00.00	1839816.40 6280898.69
PC 0+09.70	STRAIGHT N 0° 58' 18" E D = 9.70
PT 0+44.55	R = +18.50 DELTA = 107° 55' 39" RT L = 34.85
POE 0+51.17	STRAIGHT S 71° 06' 02" E D = 6.62

MARKET ST AND 2ND AVE SE CORNER DUAL RAMP
SCALE: 1"=5'

FIELD DATA
REFERENCES:
TOPOGRAPHY SOURCE:
 BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON SEPTEMBER 6, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 6, SITES 1-3.
SUBDIVISION MAP:
 HORTON'S ADDITION MAP 369, 13916
CORNER RECORD:
 2316, 4843, 10164, 15233, 15236, 15973, 17100, 27667, 29126, 30427, 35174
PARCEL MAP:
 9616, 15076, 15803, 19751, 21100
RECORD OF SURVEY:
 12153
CITY DRAWING:
 16665-B, 18340-B
ADJOINING JOB:
 B-18021 / B-18022, AC WTR SWR GRP I033, DAVIS/PILKINTON, 05/31/2018, 196-1716
BASIS OF BEARINGS/COORDINATES:
 THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F. S.14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 30, AND GPS 32, I.E. N 54° 11' 55" W,
BENCH:
 *SEBP G STREET & THIRD AVE (PT# 19)
 ELEV. 24.332' MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK



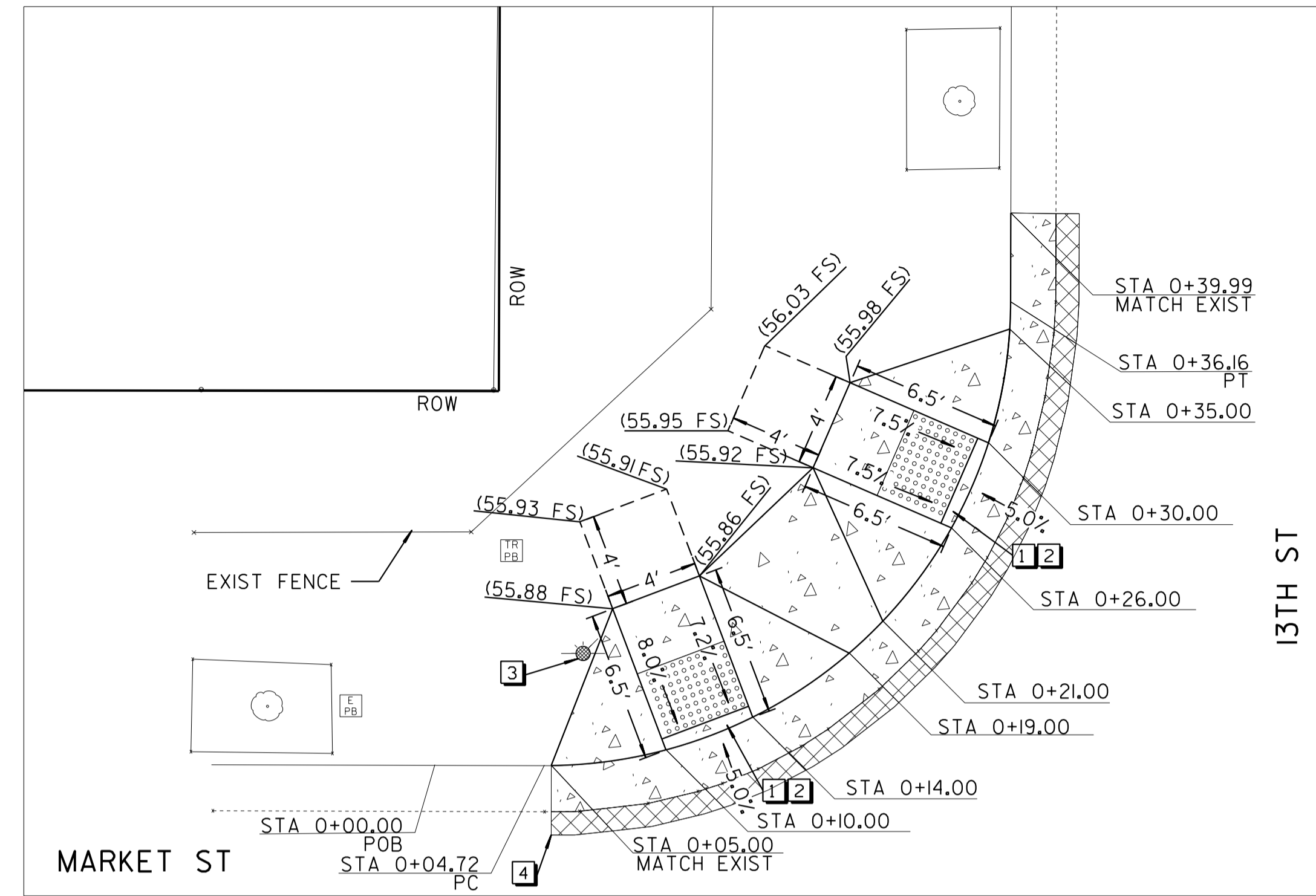
PROFILE AT TC
 HORIZONTAL SCALE: 1" = 5'
 VERTICAL SCALE: 1" = 1'



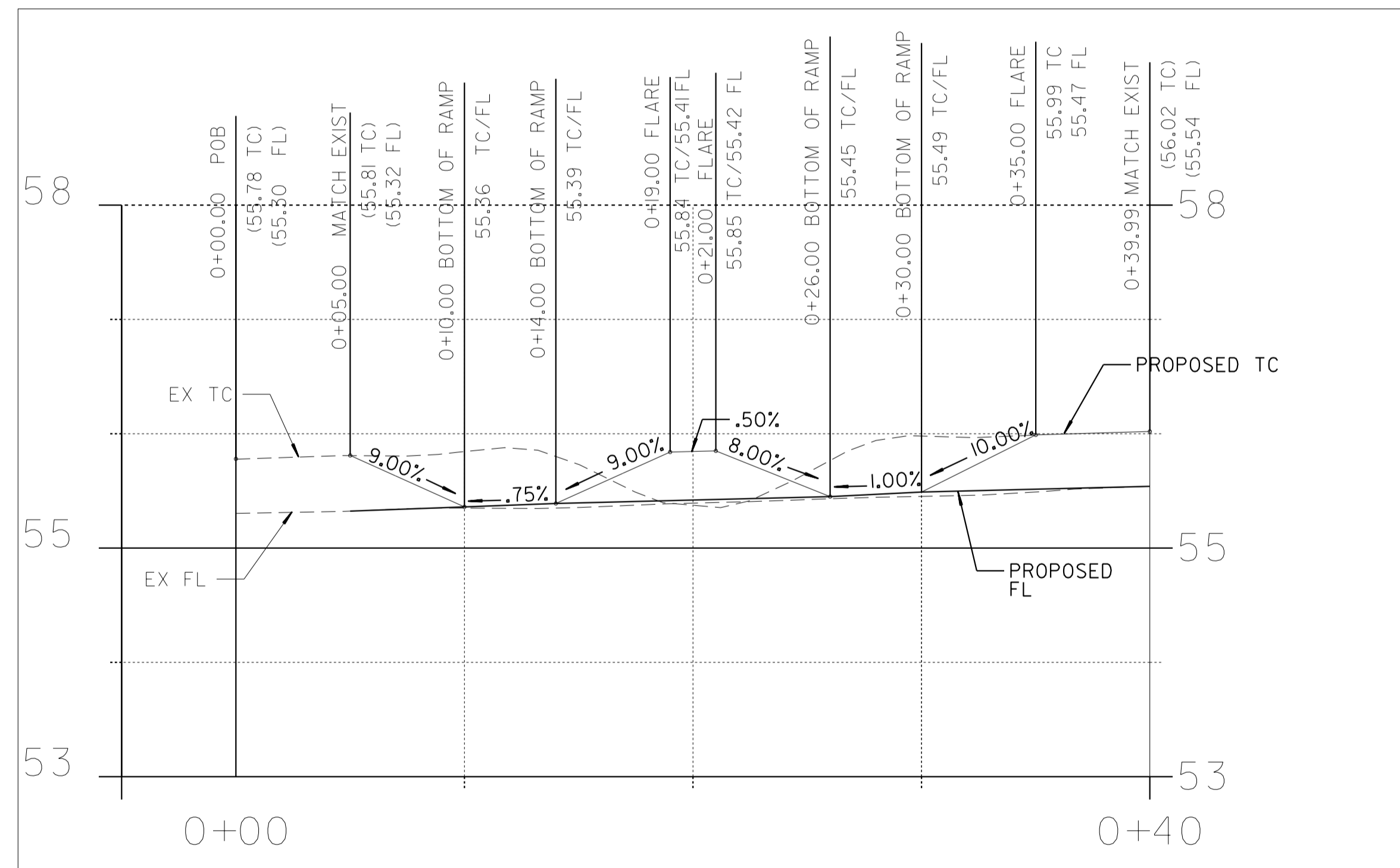
C-61

CURB RAMP IMPROVEMENT GROUP 1701
 CURB RAMP DETAIL
 MARKET ST AND 2ND AVE - SEC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 64 OF 75 SHEETS		WBS* B-17114
APPROVED:	DATE	SUBMITTED BY:
FOR CITY ENGINEER	DATE	AVEEN SALEH
DAYUE ZHANG	C70971	PROJECT MANAGER
PRINT DCE NAME	RCE#	CHRIS DARQUEA
DESCRIPTION	BY	APPROVED
ORIGINAL	CD	45
CONTRACTOR	DATE STARTED	40677-64-D
INSPECTOR	DATE COMPLETED	



MARKET ST AND 13TH ST NW CORNER DUAL RAMP
SCALE: 1"=5'



PROFILE AT TC
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132, SDG-134 AND DETAIL.
- 2 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETScape MANUAL (CCSM) FOR "MARKET STREET PAVING" SIDEWALK PATTERN AND TREATMENT.
- 3 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 4 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE.

CURB ALIGNMENT DATA:

MARKET ST AND 13TH ST-NORTHWEST CORNER				
HORIZONTAL ALIGNMENT				
Alignment: Market and 13th NWC TC proposed				
POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/DELTA DIST/LENGTH
POB 0+00.00	1839905.87	6283913.18	STRAIGHT	S 89° 46' 59" E D = 4.72
PC 0+04.72	1839905.85	6283917.89	R	= -20.00 DELTA = 90° 05' 31" LT L = 31.45
PT 0+36.16	1839925.81	6283937.97	STRAIGHT	N 0° 07' 30" E D = 3.83
POE 0+39.99	1839929.63	6283937.98		

FIELD DATA:

TOPOGRAPHY SOURCE:

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON FEBRUARY 19, 2021, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 SITES 13.

REFERENCES:

SUBDIVISION MAP: HORTON'S ADDITION
PARCEL MAPS: 18771, 20952, 21115
CORNER RECORD: 3775, 9120, 9972, 35379

City of San Diego PRELIMINARY SURVEY FIELD NOTES;
B-17056, DTCS PH 2&3, QUICK, 01/04/2019, 196-1719
B-18083, CTR CTY TRAFF SIG, SITE 2, COLLINS, 07/23/2018

BASIS OF BEARINGS/COORDINATES:

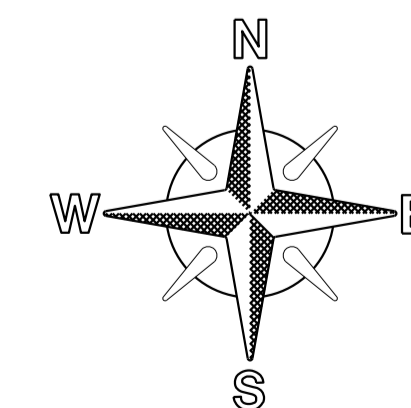
The Basis of Bearings for this project was derived from a previous STATIC GPS Survey using R.of S.14492 NAD 83 feet, Zone 6 (epoch 1991.35), utilizing RTK/GPS field procedures with a CALVRS Base Station broadcast of 2018 and constraining to GPS 173, GPS 17 (Pt 20017), I.E. N 4° 04' 52" W.

BENCH:

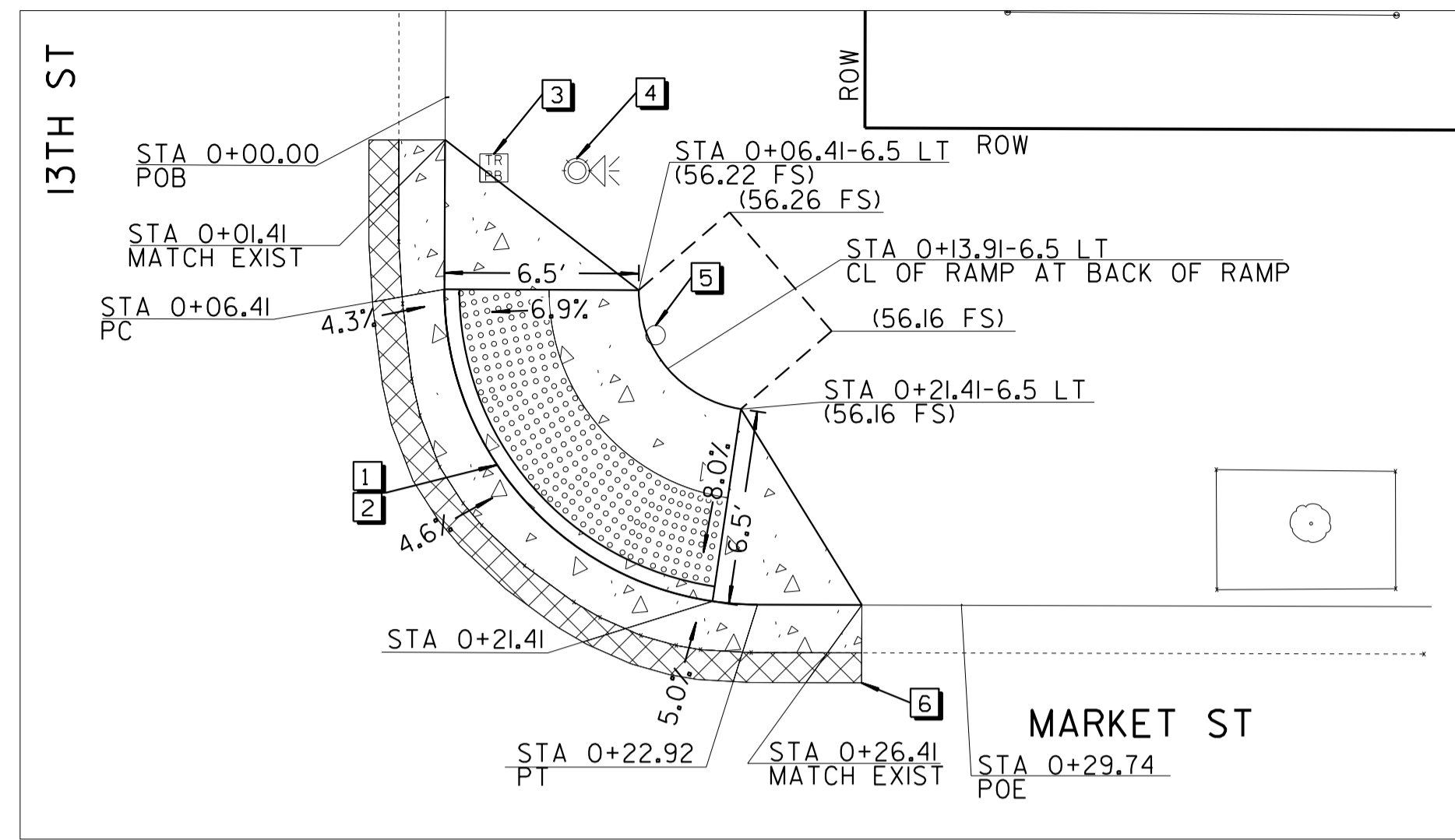
SWBP HAWTHORN ST/PACIFIC HWY (Pt 50)
Elev.14,239 MSL, Based on NGVD 29 FEET as shown in the City of San Diego Bench Book

C-62

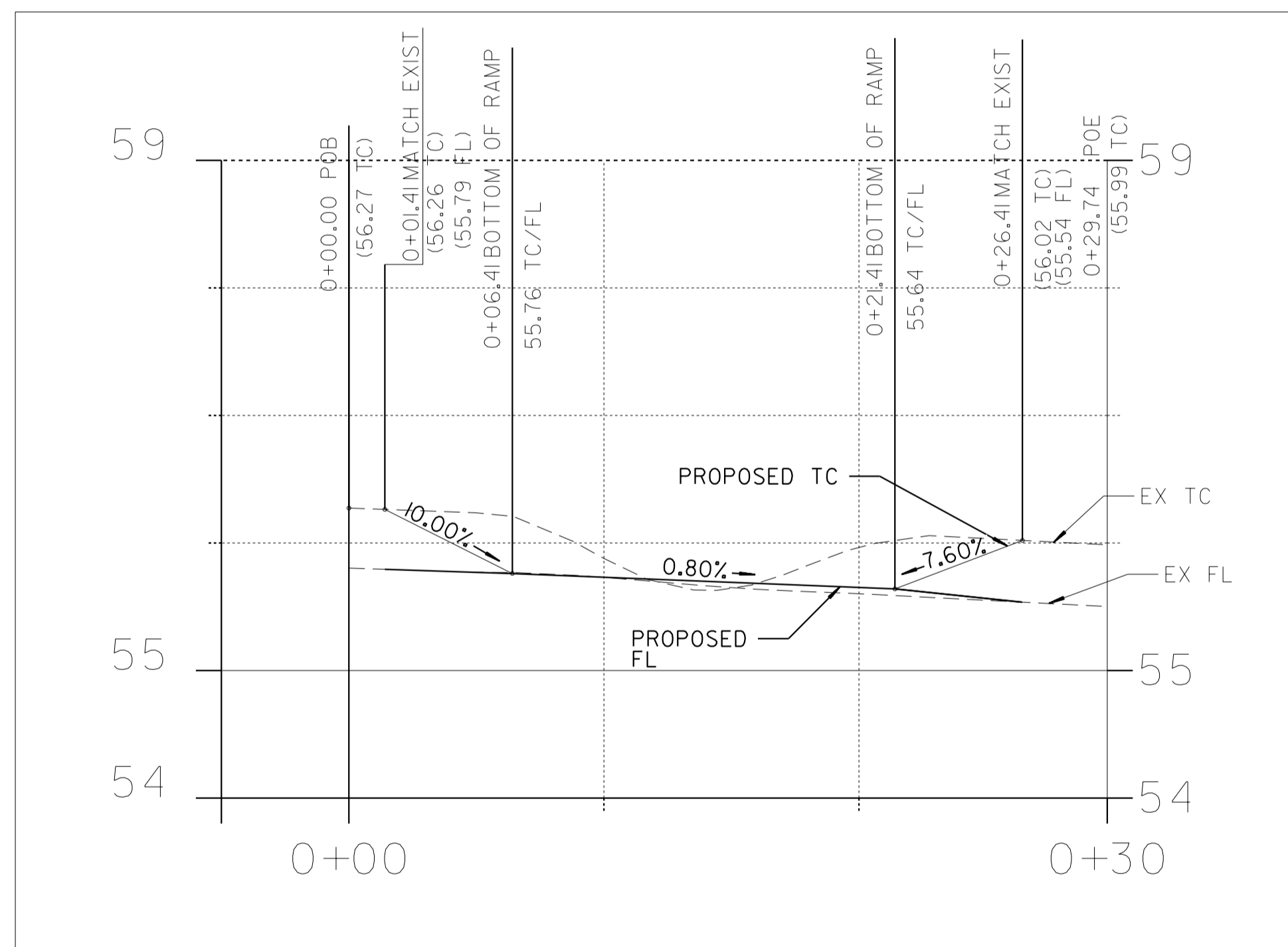
**CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
MARKET ST AND 13th ST- NWC**



CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 65 OF 75 SHEETS		WBS#	B-17114
APPROVED:	DATE	SUBMITTED BY:	
FOR CITY ENGINEER		AVEEN SALEH	
DAYUE ZHANG	C70971	PROJECT MANAGER	
PRINT DCE NAME	RCE#	CHRIS DARQUEA	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	CD		
CONTRACTOR	DATE STARTED	40677-65-D	
INSPECTOR	DATE COMPLETED		



MARKET ST AND 13TH ST NE CORNER TYPE A
SCALE: 1"=5'



PROFILE AT TC
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP WITH 15' RAMP OPENING PER SDG-132 AND DETAIL. USE CAST-IN PLACE REPLACEABLE DWT PER CITY AML TO ACCOMMODATE TRIMMING OF PANELS FOR THE RADIUS CORNER.
- 2 CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN. CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETScape MANUAL (CCSM) FOR "MARKET STREET PAVING" SIDEWALK PATTERN AND TREATMENT.
- 3 PROTECT EXIST UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 4 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 5 EXIST SURVEY MONUMENT TO BE PERPETUATED.
- 6 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE.

CURB ALIGNMENT DATA:

MARKET ST AND 13TH ST-NORTHEAST CORNER				
HORIZONTAL ALIGNMENT				
Alignment: Market and 13th NEC Proposed TC				
POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT	BRG/Delta DIST/LENGTH
POB 0+00.00	1839922.77	6283981.90	STRAIGHT S 0° 15' 37" W	D = 6.41
PC 0+06.41	1839916.36	6283981.87	R = -10.50 DELTA = 90° 05' 48"	LT L = 16.51
PT 0+22.92	1839905.81	6283992.34	STRAIGHT S 89° 50' 11" E	D = 6.82
POE 0+29.74	1839905.79	6283999.16		

FIELD DATA:

TOPOGRAPHY SOURCE:

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON FEBRUARY 19, 2021, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 SITES 13.

REFERENCES:

SUBDIVISION MAP: HORTON'S ADDITION
PARCEL MAPS: 18771, 20952, 21115
CORNER RECORD: 3775, 9120, 9972, 35379

City of San Diego PRELIMINARY SURVEY FIELD NOTES;
B-17056, DTCS PH 2&3, QUICK, 01/04/2019, 196-1719
B-18083, CTR CTY TRAFF SIG, SITE 2, COLLINS, 07/23/2018

BASIS OF BEARINGS/COORDINATES:

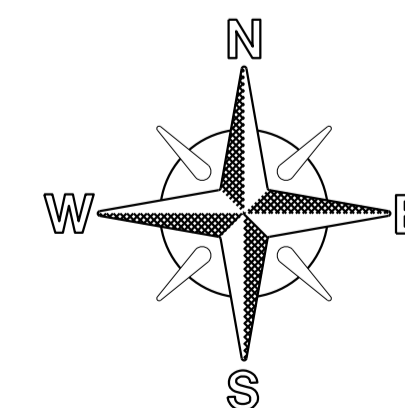
The Basis of Bearings for this project was derived from a previous STATIC GPS Survey using R.of S. 14492 NAD 83 feet, Zone 6 (epoch 1991.35), utilizing RTK/GPS field procedures with a CALVRS Base Station broadcast of 2018 and constraining to GPS 173, GPS 17 (P+ 20017), I.E. N 4° 04' 52" W.

BENCH:

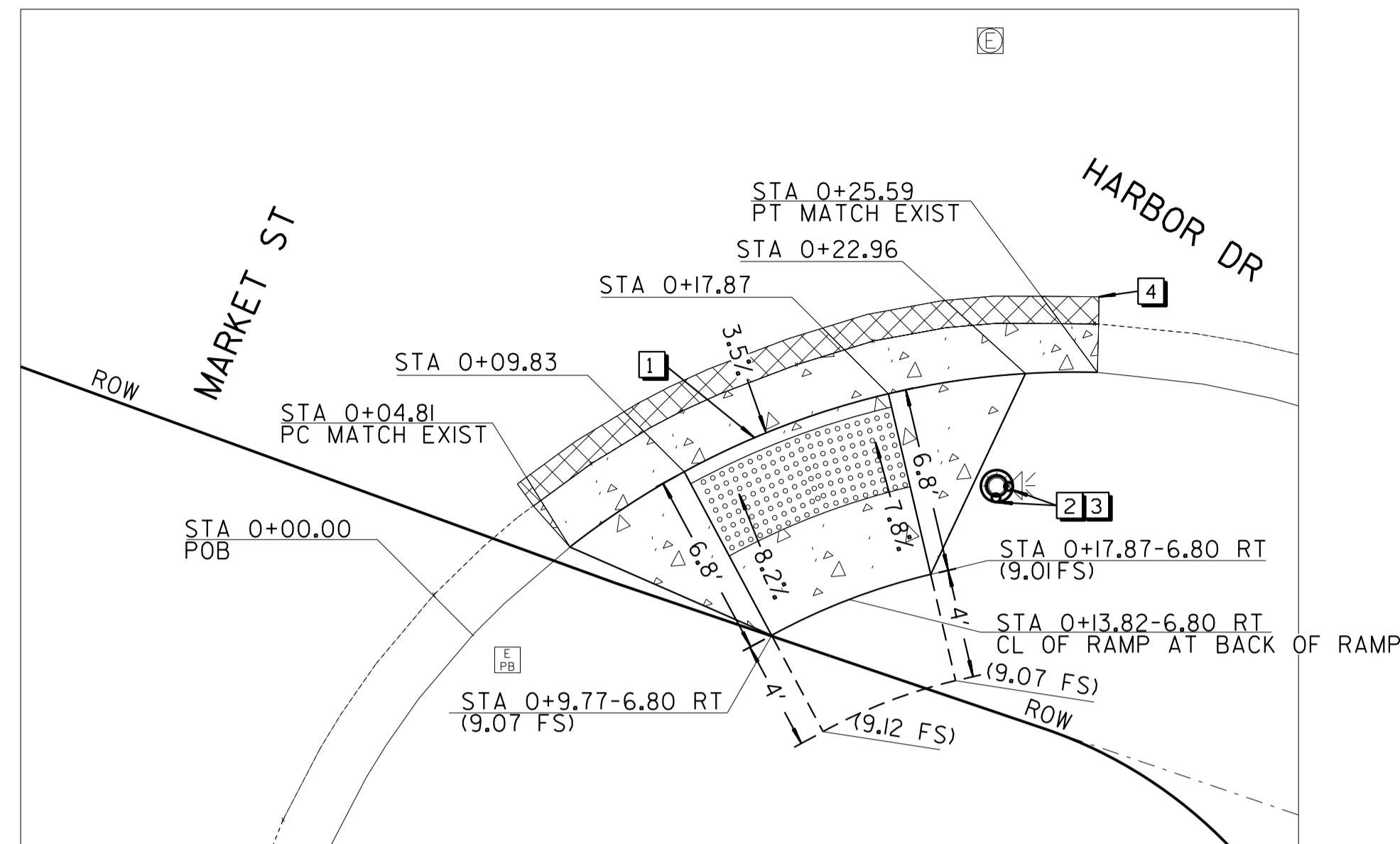
SWBP HAWTHORN ST/PACIFIC HWY (P+ 50)
Elev. 14.239 MSL, Based on NGVD 29 FEET as shown in the City of San Diego Bench Book

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CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
MARKET ST AND 13th ST- NEC



CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 66 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER CHRIS DARQUEA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	CD	
CONTRACTOR	DATE STARTED	198-1719
INSPECTOR	DATE COMPLETED	6280407-1838444 CCS83 COORDINATE
		40677-66-D



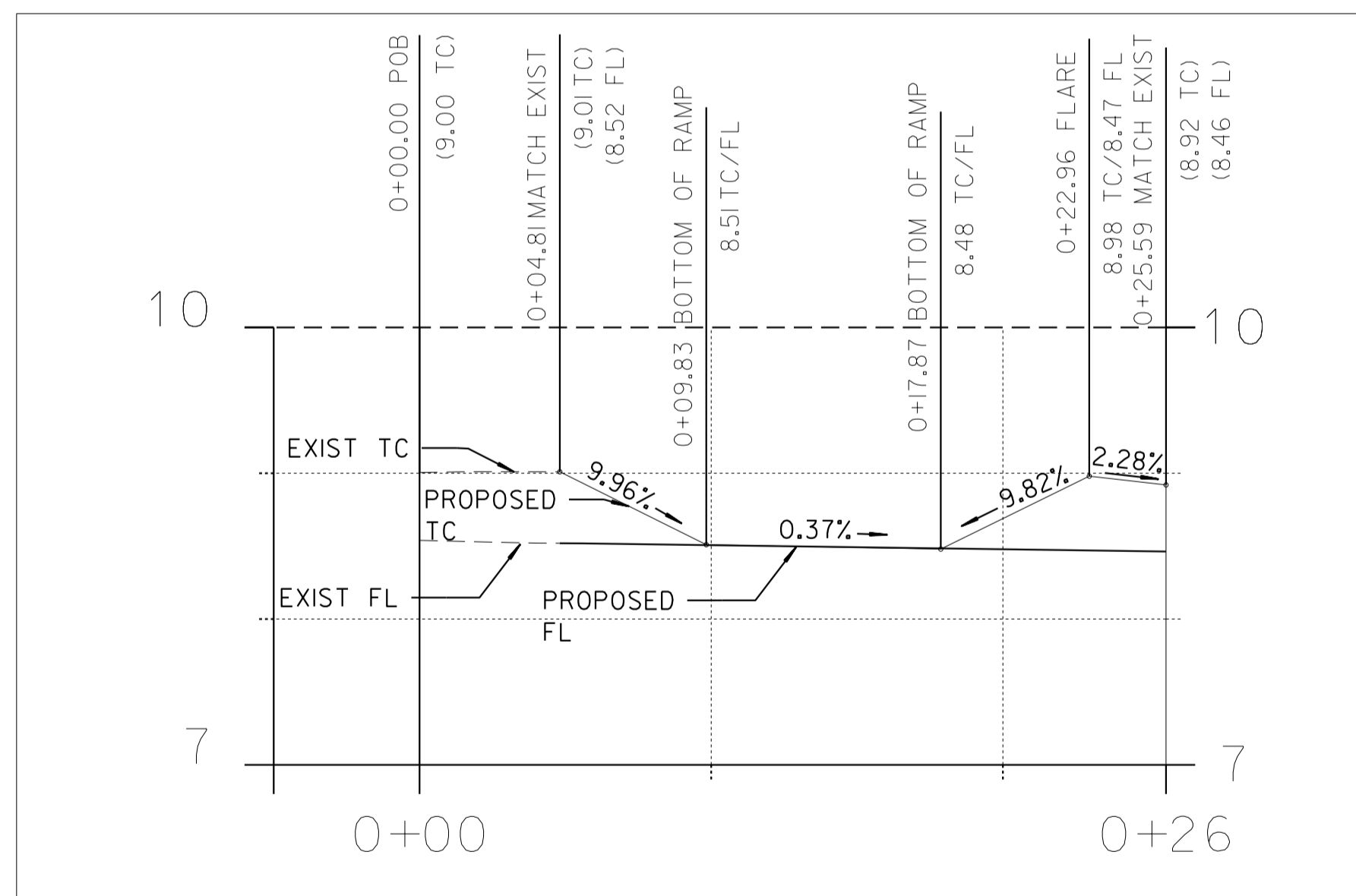
MARKET ST AND HARBOR DR SE CORNER TYPE A RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132 WITH 8' WIDE RAMP OPENING AND DETAIL. USE CAST-IN PLACE REPLACEABLE DWT PER CITY AML TO ACCOMMODATE TRIMMING OF PANELS FOR THE RADIUS CORNER.
- 2 INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY(2) TO COLOR NO. 33538 OF FED-STD-595. POSITION PUSH BUTTON AS SHOWN PER PLAN.
- 3 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 4 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE.

CURB ALIGNMENT DATA:

HARBOR DR AND MARKET ST-SOUTHEAST CORNER			
HORIZONTAL ALIGNMENT			
Alignment: Market and Harbor SEC TC Proposed			
POINT STATION	NORTHING (Y)	EASTING (X)	ELEMENT BRG/DELTA DIST/LENGTH
PC 0+00.00	1839646.12	6279226.01R	= +30.00 DELTA = 48° 52' 42" RT L = 25.59
PT 0+25.59	1839655.79	6279248.87	



PROFILE AT TC
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

FIELD DATA:

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON APRIL 20, 2021, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 SITE 14 (VIC W MARKET AND HARBOR DR).

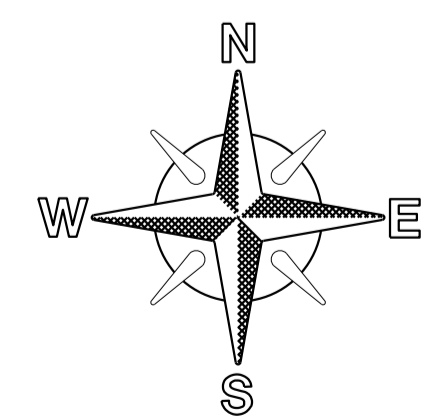
REFERENCES:
SUBDIVISION MAP 456
RECORD OF SURVEY 11995, 14813
CITY DRAWING 25988-D

BASIS OF BEARINGS/COORDINATES:
The Basis of Bearings for this project was derived from a previous STATIC GPS Survey using R.of S. 14492 NAD 83 feet, Zone 6 (epoch 1991.35), utilizing RTK/GPS field procedures with a CALVRS Base Station broadcast of 2018 and constraining to GPS 173 AND GPS 17 (PT #20017), I.E. N 4° 04' 52" W.

BENCH:
SWBP HAWTHORN/PACIFIC HWY (PT #50)
Elev. 14.239 MSL, Based on NGVD 29 FEET as shown in the City of San Diego Bench Book

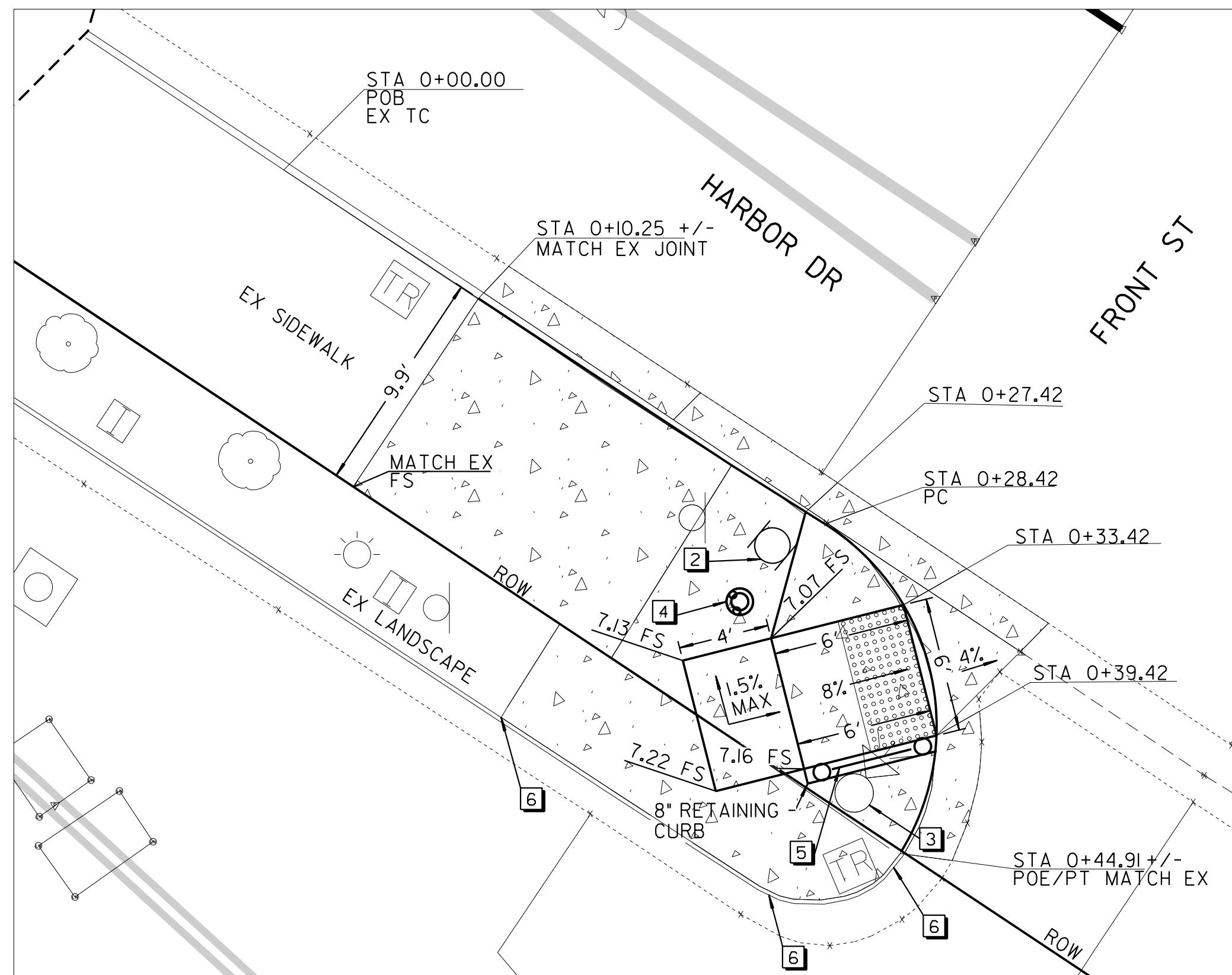
C-64

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
HARBOR DR AND MARKET ST - SEC

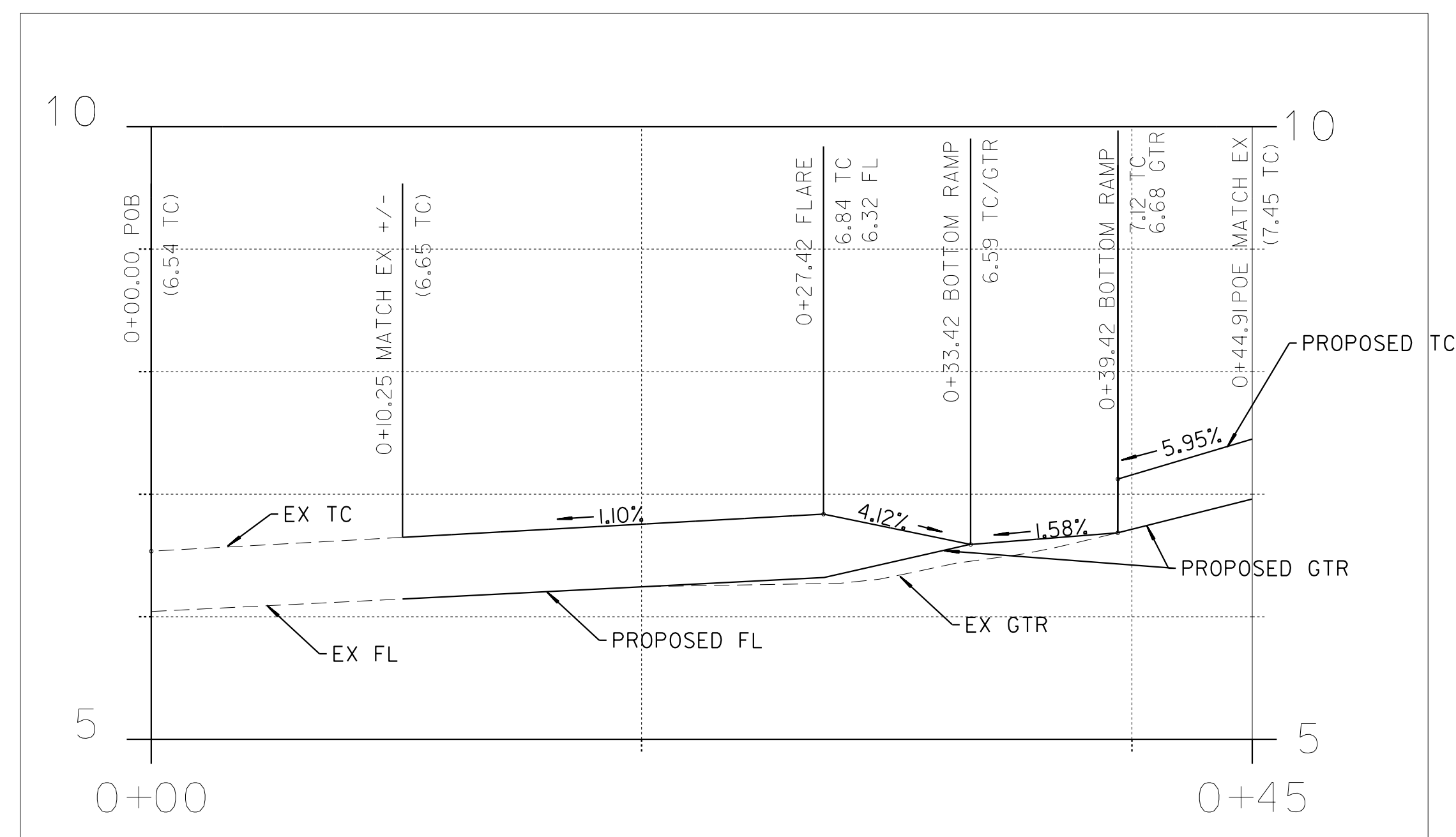


CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 67 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER CHRIS DARQUEA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	CD	
CONTRACTOR	DATE STARTED	40677-67-D
INSPECTOR	DATE COMPLETED	

CURB RAMP DETAIL



SW CORNER TYPE "A" CURB RAMP (MODIFIED)
SCALE: 1"=5'



CURB PROFILE
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP WITH 6' WIDE OPENING, SINGLE FLARE PER SDG-132 AND DETAIL.
- 2 PROTECT EX FIRE HYDRANT IN PLACE.
- 3 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE.
- 4 INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY(2) TO COLOR NO. 33538 OF FED-STD-595 AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CAL TRANS 2018 STANDARD PLAN ES-7A.
- 5 INSTALL PROTECTIVE RAILING AT CURB RAMP TYPE B PER SDG-140
- 6 PROTECT EXISTING CURB AND GUTTER IN PLACE.

CURB ALIGNMENT DATA:

HARBOR DR AND FRONT ST-SOUTHWEST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: Harbor and Front SW TC	Element: Linear POB 0+00.00 6.54 PVI 0+27.42 6.84 Tangent Grade: 1.10% Tangent Length: 27.42
POB 0+00.00 1839118.83 6280094.19 STRAIGHT S 56° 23' 20.84" E D = 20.27	Element: Linear PVI 0+27.42 6.84 PVI 0+33.42 6.59 Tangent Grade: -4.12% Tangent Length: 6.00
PI 0+20.27 1839107.61 6280111.07 STRAIGHT S 57° 49' 02.07" E D = 7.15	Element: Linear PVI 0+39.42 6.59 PVI 0+39.42 6.68 Tangent Grade: 1.58% Tangent Length: 6.00
PI 0+27.42 1839103.80 6280117.12 STRAIGHT S 57° 49' 02.07" E D = 1.00	Element: Linear PVI 0+39.43 7.12 Tangent Grade: 5440.00% Tangent Length: 0.01
PC 0+28.42 1839103.27 6280117.96 R = +10.50 DELTA = 27° 17' 01.34" RT L = 5.00	Element: Linear PVI 0+39.43 7.12 POE 0+44.91 7.45 Tangent Grade: 5.95% Tangent Length: 5.48
PCC 0+33.42 1839099.72 6280121.42 R = +10.50 DELTA = 32° 44' 25.60" RT L = 6.00	
PCC 0+39.42 1839093.98 6280122.86 R = +10.50 DELTA = 29° 57' 53.85" RT L = 5.49	
PT 0+44.91 1839088.79 6280121.26	

FIELD DATA

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JUNE 18, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 5, SITE 1.

REFERENCES:
CITY OF SAN DIEGO PRELIMINARY SURVEY FIELD NOTES;
DOWNTOWN MOBILITY PH-1 05/16/2018, COLLINS/QUICK, 198-1725, B-17056
SUBDIVISION MAPS: MM 18, 456, HORTON'S ADD, LOCKLING
RECORD OF SURVEYS: 13964, 14813
CORNER RECORD: 7232
CITY DRAWINGS: 18401-B, 18403-B, 18404-B, 24311-D

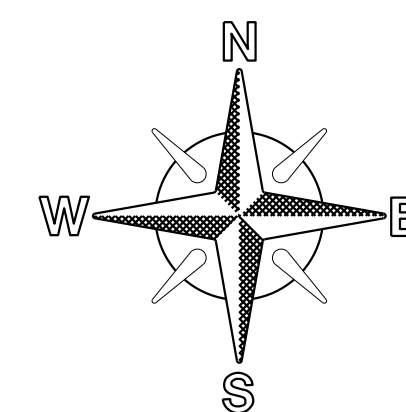
BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F. S.14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 17, I.E. N 04° 04' 52" W.

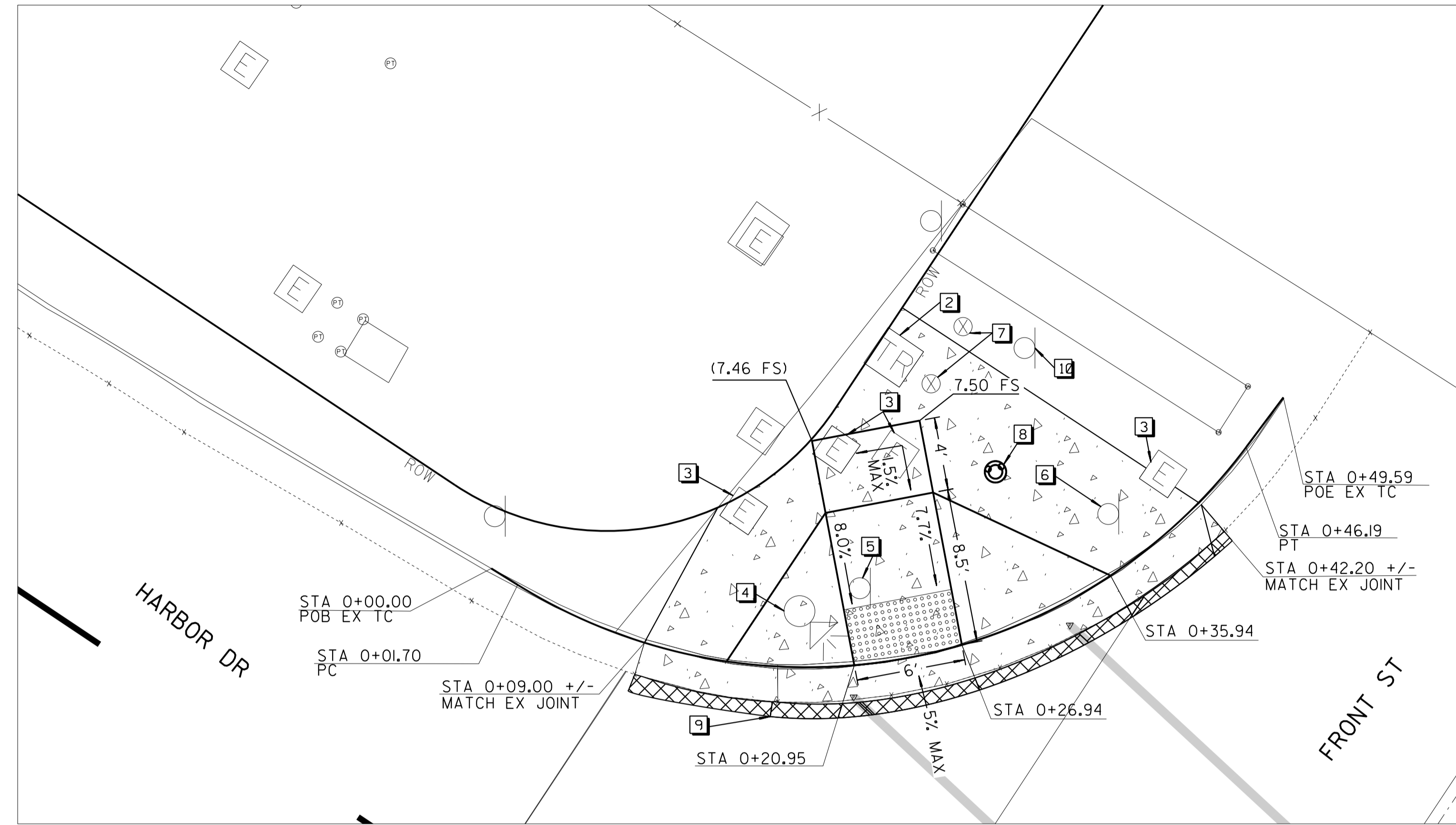
BENCH:
SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT# 50)
ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK

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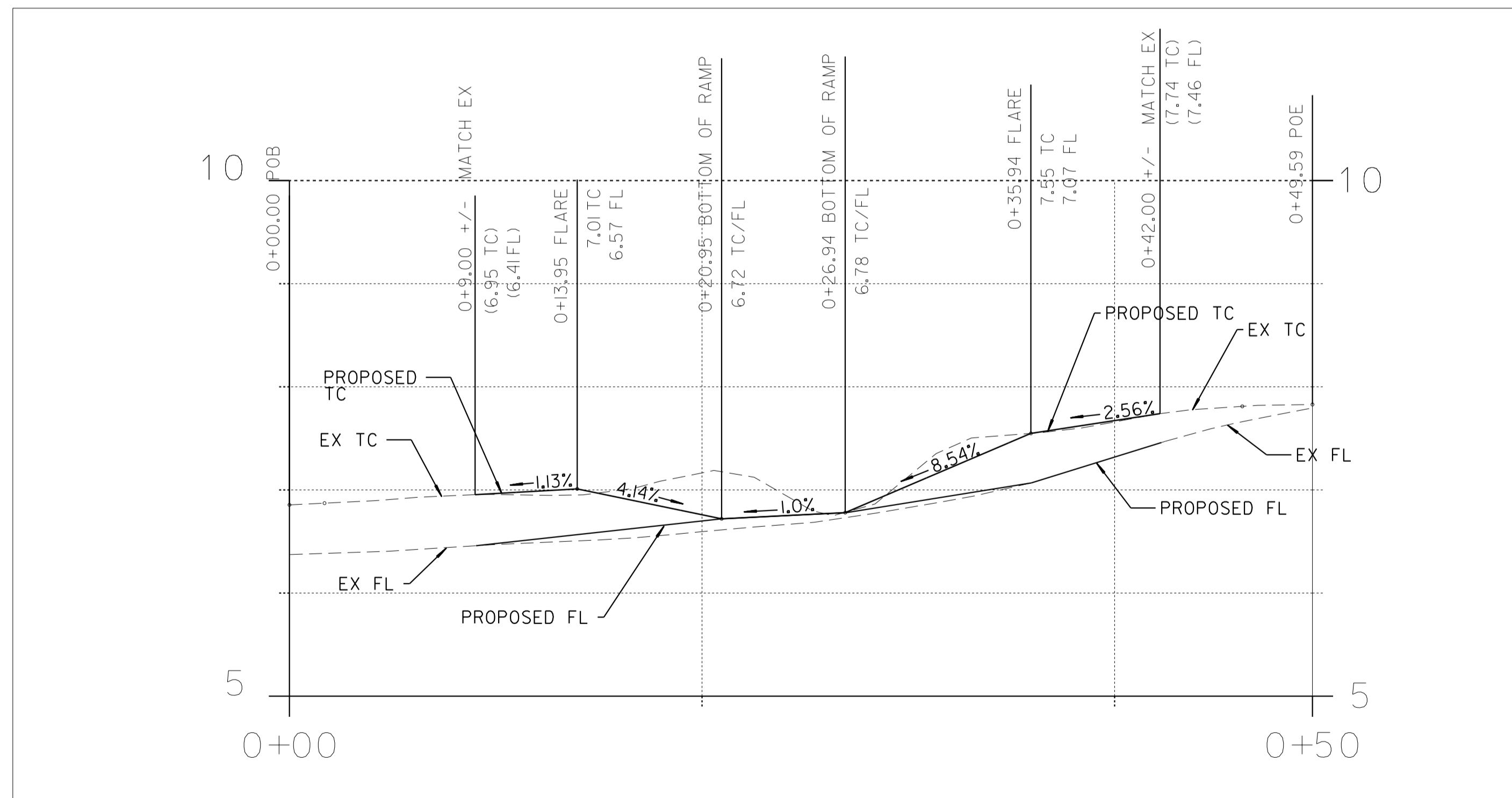
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
HARBOR DR AND FRONT ST - SWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 68 OF 75 SHEETS		WBS# B-17114		
APPROVED: FOR CITY ENGINEER _____ DATE _____ DAYLIE ZHANG _____ C70971 PRINT DCE NAME _____ RCE# _____	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER CHRIS DARQUEA PROJECT ENGINEER			
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CD			
CONTRACTOR _____		DATE STARTED _____	DATE COMPLETED _____	
INSPECTOR _____		40677-68-D		





NW CORNER TYPE "A" CURB RAMP (MODIFIED)
SCALE: 1"=5'



CURB PROFILE
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP WITH 6' WIDE OPENING, SINGLE FLARE PER SDG-132 AND DETAIL.
- 2 PROTECT EX TRAFFIC CONTROLLER CABINET IN PLACE.
- 3 PROTECT EXISTING UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 4 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE.
- 5 REMOVE AND REINSTALL SIGN POST CLEAR OF RAMP, MAINTAIN 84" MINIMUM HEIGHT TO BOTTOM OF SIGN.
- 6 REMOVE AND REINSTALL "DO NOT ENTER" SIGN. MAINTAIN 84" MINIMUM HEIGHT TO BOTTOM OF SIGN.
- 7 EXISTING BOLLARD TO REMAIN.
- 8 INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY(2) TO COLOR NO. 33538 OF FED-STD-595 AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CAL TRANS 2018 STANDARD PLAN ES-7A.
- 9 SAWCUT 1' FROM PROPOSED LIP OF GUTTER, AC PATCH TO MATCH GRADE.
- 10 PROTECT EX RAILROAD POST/SIGNAL.

CURB ALIGNMENT DATA:

HARBOR DR AND FRONT ST-NORTHWEST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: Harbor and Front NW-Proposed	
POB 0+00.00 1839183.41 6280158.54 STRAIGHT S 58° 11' 57.97" E D = 1.70	
PC 0+01.70 1839182.52 6280159.98 R = -30.00 DELTA = 84° 58' 38.50" LT L = 44.49	
PT 0+46.19 1839190.03 6280199.80 STRAIGHT N 36° 49' 23.54" E D = 3.40	
POE 0+49.59 1839192.75 6280201.84	
Element: Linear	Element: Linear
PVI 0+01.70 6.87	PVI 0+00.00 6.86
PVI 0+13.95 7.01	PVI 0+01.70 6.87
Tangent Grade: 1.13%	Tangent Grade: 0.99%
Tangent Length: 12.25	Tangent Length: 1.70
Element: Linear	Element: Linear
PVI 0+13.95 7.01	PVI 0+13.95 7.01
PVI 0+20.95 6.72	PVI 0+20.95 6.72
Tangent Grade: -4.14%	Tangent Grade: -4.14%
Tangent Length: 7.00	Tangent Length: 7.00
Element: Linear	Element: Linear
PVI 0+20.95 6.72	PVI 0+26.94 6.78
PVI 0+26.94 6.78	PVI 0+26.94 6.78
Tangent Grade: 1.00%	Tangent Grade: 1.00%
Tangent Length: 5.99	Tangent Length: 5.99
Element: Linear	Element: Linear
PVI 0+26.94 6.78	PVI 0+35.94 7.55
PVI 0+35.94 7.55	PVI 0+35.94 7.55
Tangent Grade: 8.54%	Tangent Grade: 8.54%
Tangent Length: 9.00	Tangent Length: 9.00
Element: Linear	Element: Linear
PVI 0+35.94 7.55	PVI 0+46.19 7.81
PVI 0+46.19 7.81	PVI 0+46.19 7.81
Tangent Grade: 2.56%	Tangent Grade: 2.56%
Tangent Length: 10.25	Tangent Length: 10.25
Element: Linear	Element: Linear
PVI 0+46.19 7.81	POE 0+49.59 7.83
POE 0+49.59 7.83	Tangent Grade: 0.53%
Tangent Grade: 0.53%	Tangent Length: 3.40
Tangent Length: 3.40	

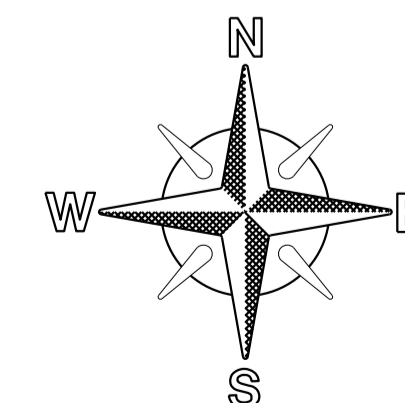
FIELD DATA

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JUNE 18, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 5, SITE 1.

REFERENCES:
CITY OF SAN DIEGO PRELIMINARY SURVEY FIELD NOTES;
DOWNTOWN MOBILITY PH-1, 05/16/2018, COLLINS/QUICK, 198-1725, B-17056
SUBDIVISION MAPS: MM 18, 456, HORTON'S ADD. LOCKLING
RECORD OF SURVEYS: 13964, 14813
CORNER RECORD: 7232
CITY DRAWINGS: 18401-B, 18403-B, 18404-B, 24311-D

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 17, I.E. N 04° 04' 52" W.

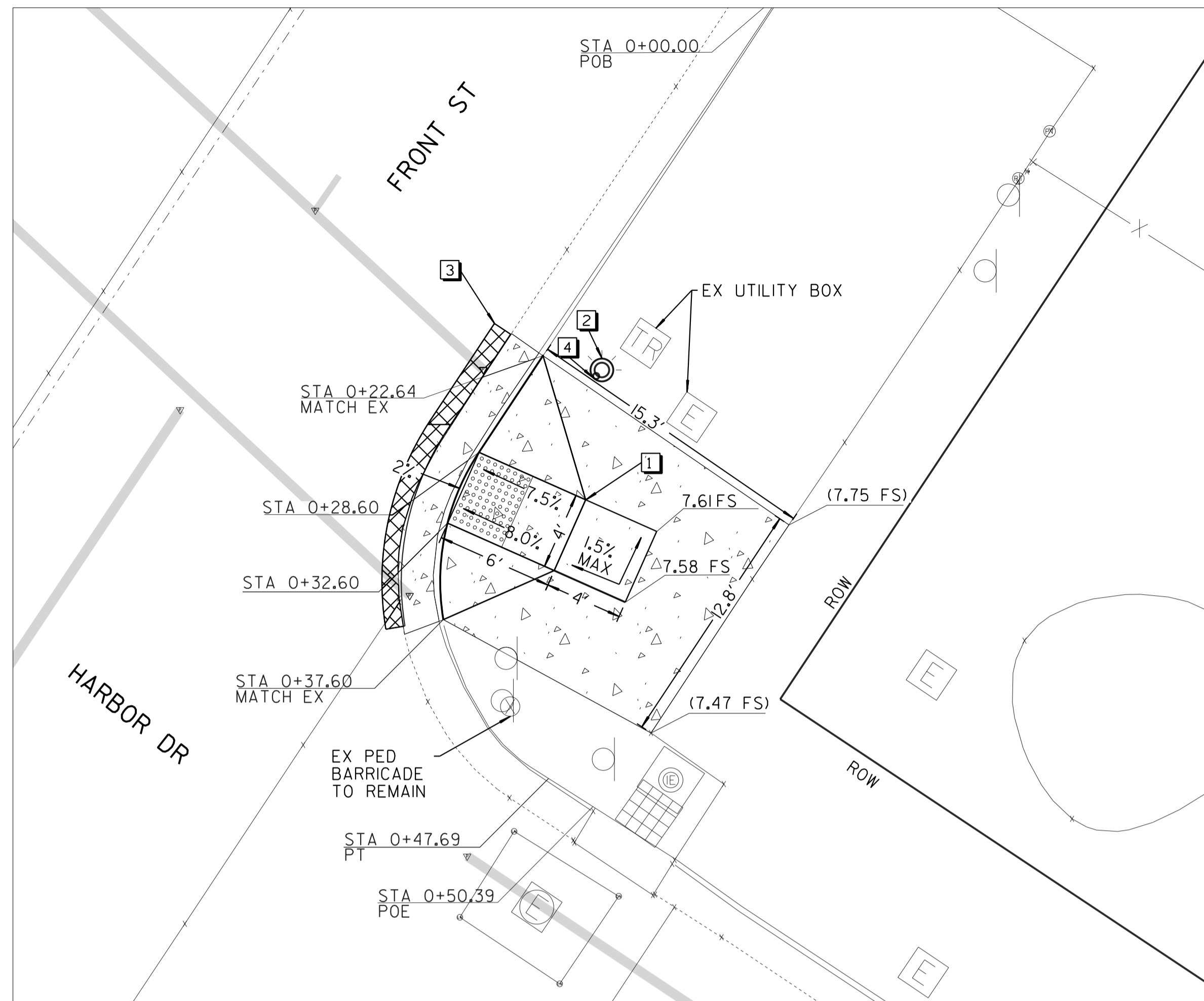
BENCH:
SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT# 50)
ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK



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CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
HARBOR DR AND FRONT ST - NWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 69 OF 75 SHEETS				WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME		DATE C70971 RCE#		SUBMITTED BY: AVEEN SALEH PROJECT MANAGER
DESCRIPTION	BY	APPROVED	DATE	CHRIS DAROUEA PROJECT ENGINEER
ORIGINAL	CD			
				198-1713 CCS27 COORDINATE
				1838-6273 CCS83 COORDINATE
CONTRACTOR		DATE STARTED		40677-69-D
INSPECTOR		DATE COMPLETED		



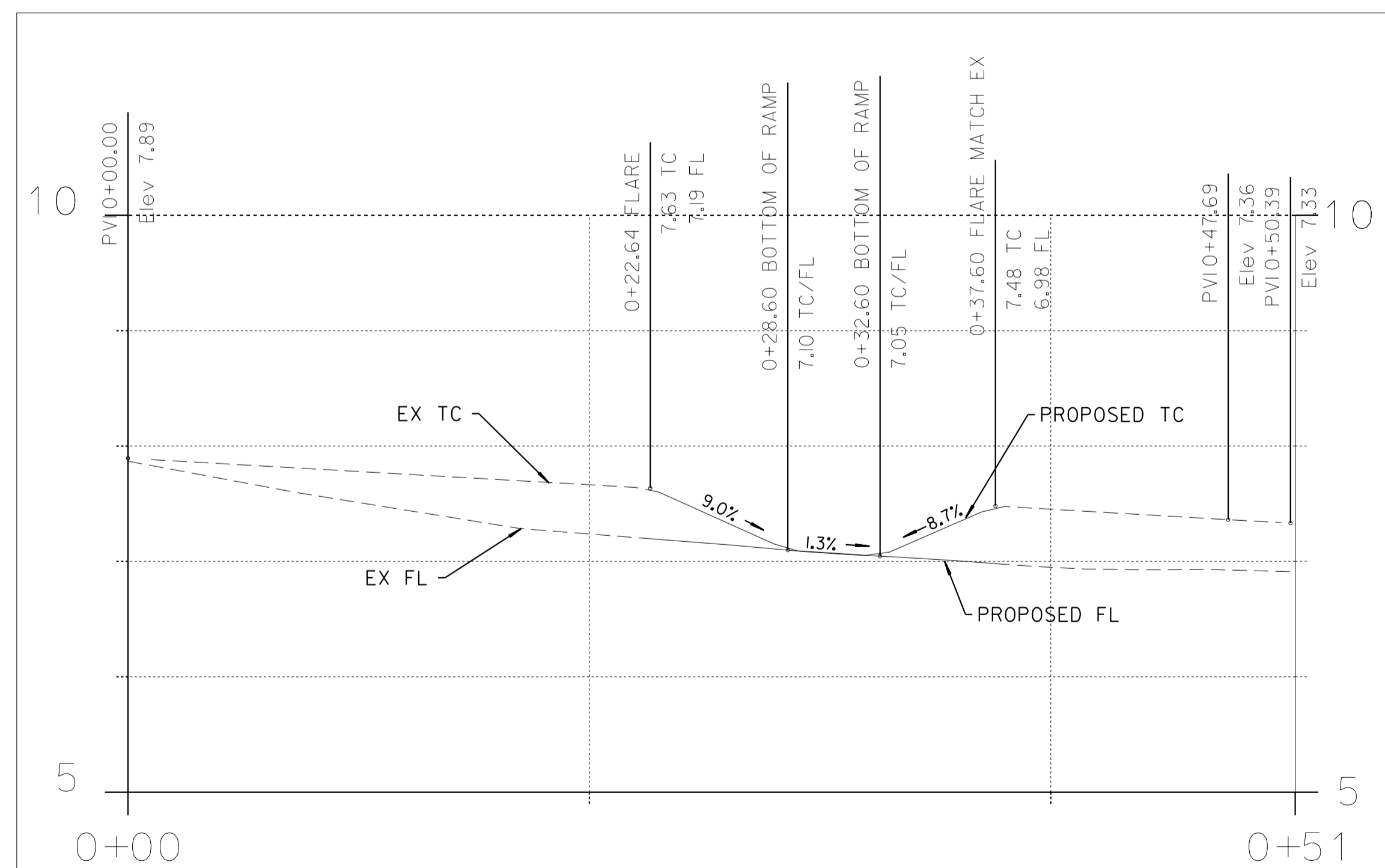
NE CORNER TYPE "B" CURB RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "B" CURB RAMP PER SDG-133 AND DETAIL.
- 2 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE.
- 3 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 4 INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595.

CURB ALIGNMENT DATA:

HARBOR DR AND FRONT ST-NORTHEAST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: Front and Harbor NE TC Proposed	
POB 0+00.00 1839171.90 6280235.98 STRAIGHT S 33° 31' 37.09" W D = 22.64	Element: Linear POB 0+00.00 7.89 PVI 0+22.64 7.63 Tangent Grade: -1.15% Tangent Length: 22.64
PIO+22.64 1839153.03 6280223.47 STRAIGHT S 33° 31' 37.09" W D = 5.96	Element: Linear PVI 0+22.64 7.10 Tangent Grade: -9.00% Tangent Length: 5.96
PC 0+28.60 1839148.06 6280220.18 R = -12.00 DELTA = 19° 05' 54.94" LT L = 4.00	Element: Linear PVI 0+28.60 7.10 PVI 0+32.60 7.05 Tangent Grade: -1.31% Tangent Length: 4.00
PCC 0+32.60 1839144.43 6280218.56 R = -12.00 DELTA = 23° 52' 23.67" LT L = 5.00	Element: Linear PVI 0+32.60 7.05 PVI 0+37.60 7.48 Tangent Grade: 8.71% Tangent Length: 5.00
PCC 0+37.60 1839139.47 6280218.35 R = -12.00 DELTA = 48° 11' 13.47" LT L = 10.09	Element: Linear PVI 0+37.60 7.48 PVI 0+47.69 7.36 Tangent Grade: -1.18% Tangent Length: 10.09
PT 0+47.69 1839131.30 6280223.76 STRAIGHT S 57° 37' 54.98" E D = 2.70	Element: Linear PVI 0+47.69 7.36 POE 0+50.39 7.33 Tangent Grade: -1.10% Tangent Length: 2.70
POE 0+50.39 1839129.85 6280226.04	



CURB PROFILE
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

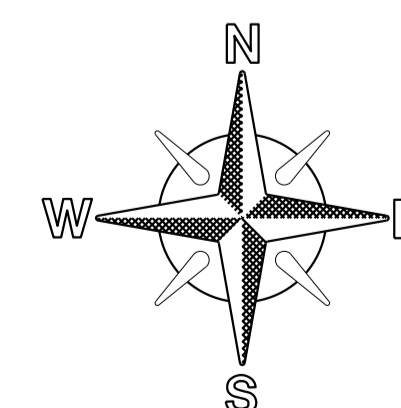
FIELD DATA

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JUNE 18, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 5, SITE 1.

REFERENCES:
CITY OF SAN DIEGO PRELIMINARY SURVEY FIELD NOTES;
DOWNTOWN MOBILITY PH-1, 05/16/2018, COLLINS/QUICK, 198-1725, B-17056
SUBDIVISION MAPS: MM 18, 456, HORTON'S ADD. LOCKLING
RECORD OF SURVEYS: 13964, 14813
CORNER RECORD: 7232
CITY DRAWINGS: 18401-B, 18403-B, 18404-B, 2431I-D

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 17, I.E. N 04° 04' 52" W.

BENCH:
SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT# 50)
ELEV. 14.239' MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK

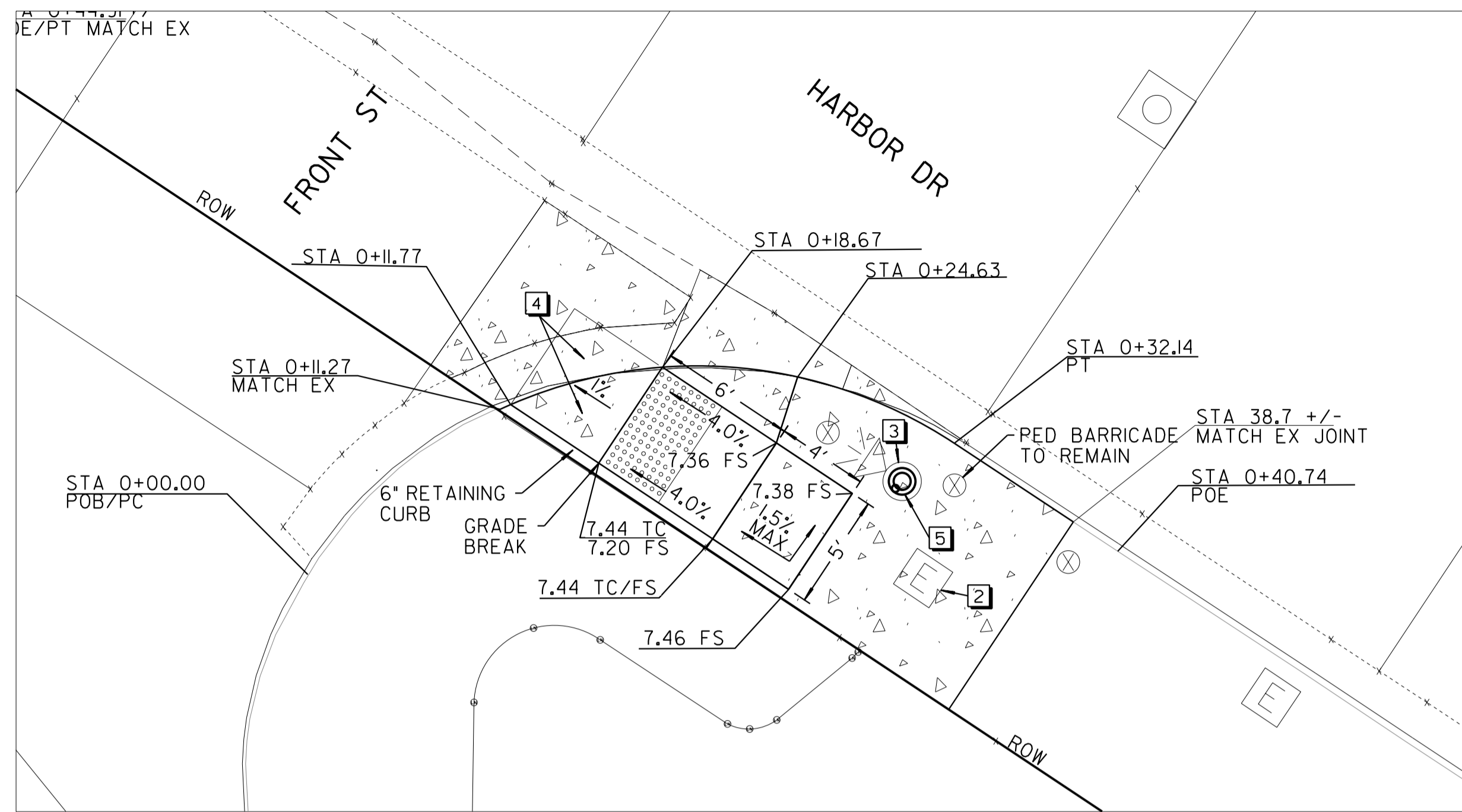


C-67

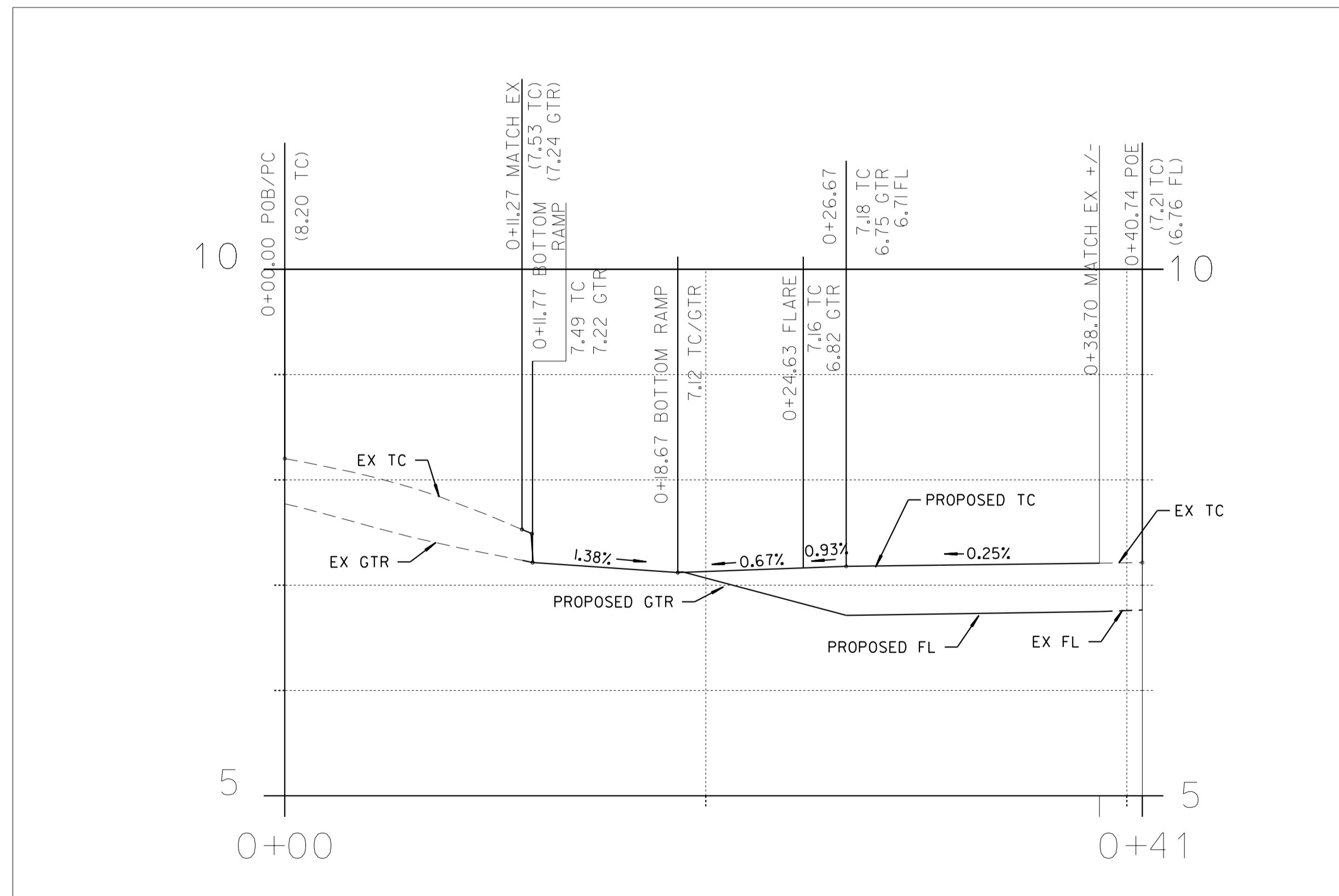
CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
HARBOR DR AND FRONT ST - NEC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 70 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER CHRIS DARQUEA PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	CD	
CONTRACTOR		DATE STARTED
INSPECTOR		DATE COMPLETED
		40677-70-D

CURB RAMP DETAIL



SE CORNER TYPE "B" CURB RAMP (MODIFIED)
SCALE: 1"=5'



CURB PROFILE
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "B" DIRECTIONAL MODIFIED CURB RAMP WITH 6' WIDE OPENING, SINGLE FLARE PER DETAIL.
- 2 PROTECT EXISTING UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 3 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE.
- 4 MAINTAIN 4' X 4' MIN LEVEL LANDING AT MIN 1% SLOPE FOR DRAINAGE.
- 5 INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595.

CURB ALIGNMENT DATA:

HARBOR DR AND FRONT ST-SOUTHEAST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: SEC Prop TC EX Rad	
PC 0+00.00 1839063.74 6280139.97 R = +20.50 DELTA = 32° 54' 23.80" RT L = 11.77	
PCC 0+11.77 1839071.19 6280148.88 R = +20.50 DELTA = 19° 15' 44.16" RT L = 6.89	
PCC 0+18.67 1839072.84 6280155.54 R = +20.50 DELTA = 22° 23' 03.30" RT L = 8.01	
PCC 0+26.67 1839071.87 6280163.43 R = +20.50 DELTA = 15° 17' 17.49" RT L = 5.47	
PT 0+32.14 1839069.50 6280168.34 STRAIGHT S 56° 32' 45.65" E D = 8.59	
POE 0+40.74 1839064.76 6280175.51	
	Element: Linear POB 0+00.00 8.20 PVI 0+11.27 7.53 Tangent Grade: -5.97% Tangent Length: 11.27
	Element: Linear PVI 0+11.27 7.53 PVI 0+11.74 7.49 Tangent Grade: -8.48% Tangent Length: 0.47
	Element: Linear PVI 0+11.74 7.22 Tangent Grade: -912.09% Tangent Length: 0.03
	Element: Linear PVI 0+11.77 7.22 PVI 0+18.67 7.12 Tangent Grade: -1.38% Tangent Length: 6.90
	Element: Linear PVI 0+18.67 7.12 PVI 0+24.63 7.16 Tangent Grade: 0.67% Tangent Length: 5.96
	Element: Linear PVI 0+24.63 7.16 PVI 0+26.67 7.18 Tangent Grade: 0.93% Tangent Length: 2.04
	Element: Linear PVI 0+26.67 7.18 PVI 0+32.14 7.19 Tangent Grade: 0.25% Tangent Length: 5.47
	Element: Linear PVI 0+32.14 7.19 PVI 0+38.70 7.21 Tangent Grade: 0.25% Tangent Length: 6.56
	Element: Linear PVI 0+38.70 7.21 POE 0+40.74 7.21 Tangent Grade: 0.25% Tangent Length: 2.04

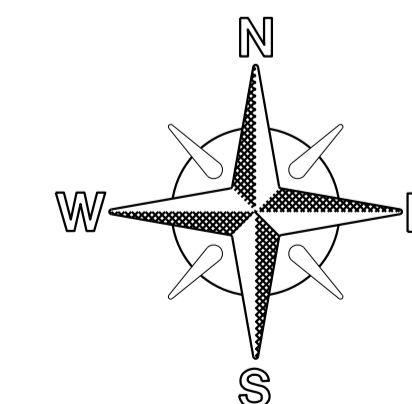
FIELD DATA

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JUNE 18, 2018, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 5, SITE 1.

REFERENCES:
CITY OF SAN DIEGO PRELIMINARY SURVEY FIELD NOTES; DOWNTOWN MOBILITY PH-1, 05/16/2018, COLLINS/QUICK, 198-1725, B-17056
SUBDIVISION MAPS: MM 18, 456, HORTON'S ADD. LOCKLING
RECORD OF SURVEYS: 13964, 14813
CORNER RECORD: 7232
CITY DRAWINGS: 18401-B, 18403-B, 18404-B, 24311-D

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F. S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 17, I.E. N 04° 04' 52" W.

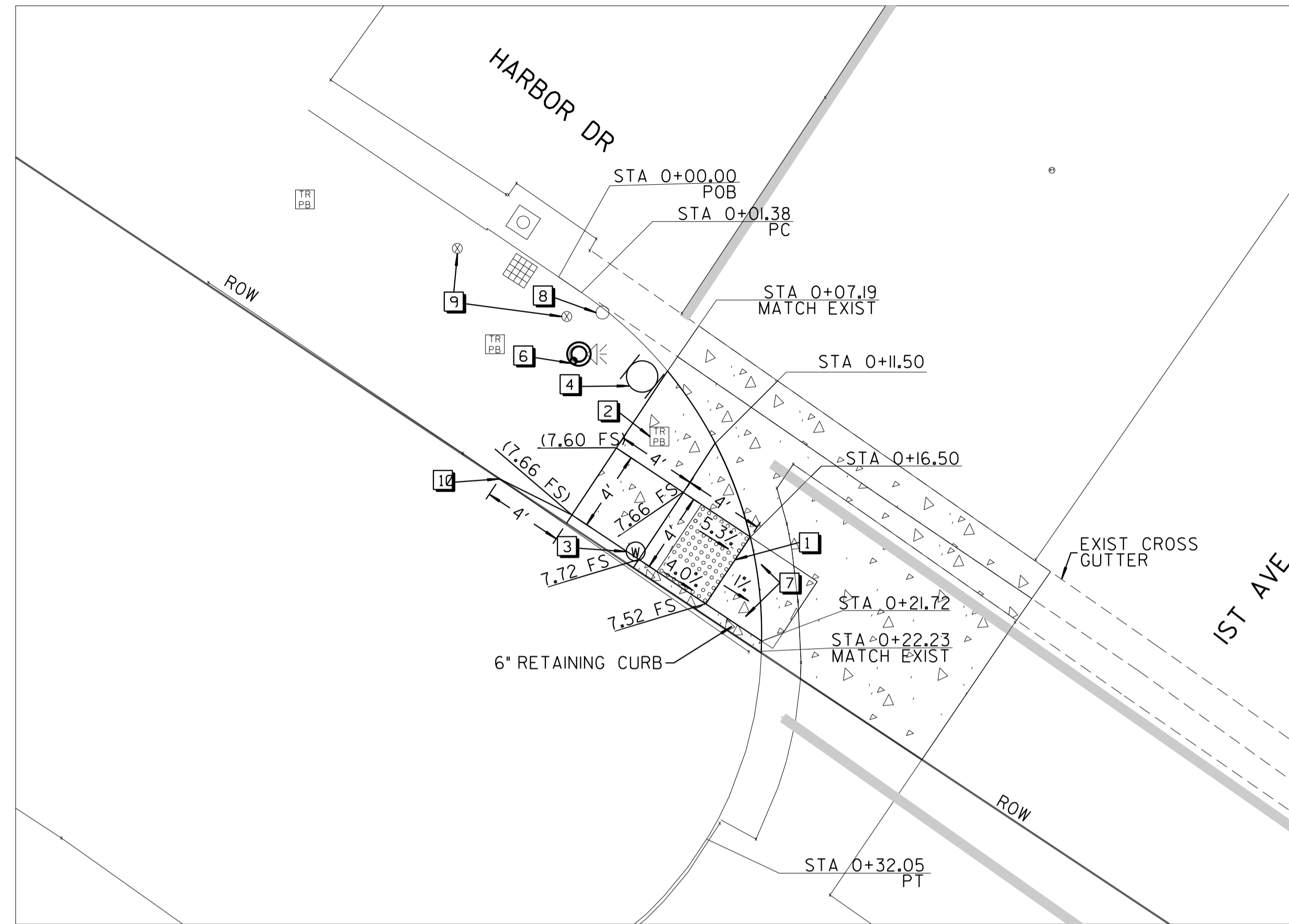
BENCH:
SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT# 50)
ELEV. 14.239' MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK



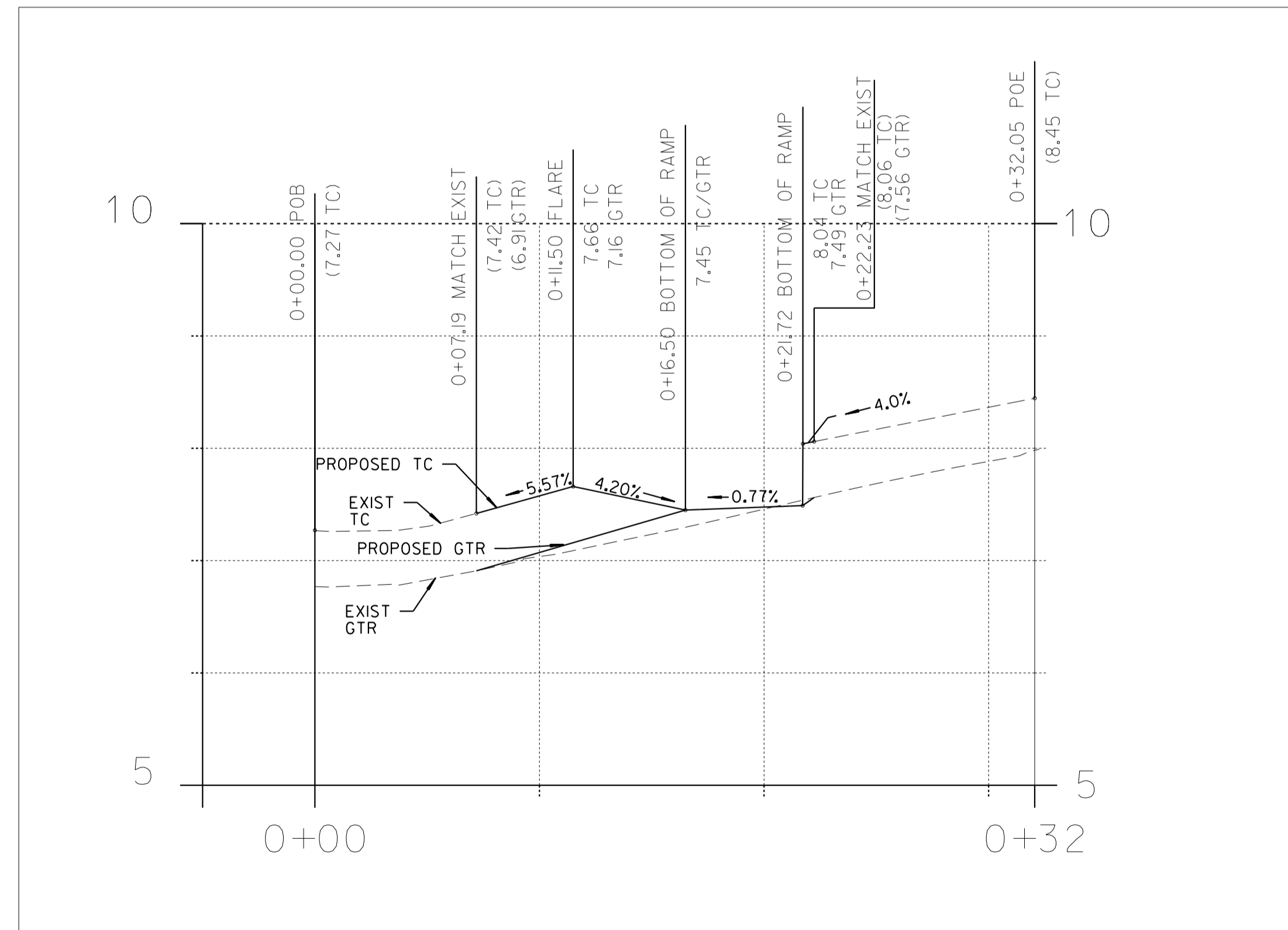
C-68

**CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
HARBOR DR AND FRONT ST - SEC**

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 71 OF 75 SHEETS		WBS#	B-17114
APPROVED FOR CITY ENGINEER	DATE	SUBMITTED BY	
DAYUE ZHANG	C70971	AVEEN SALEH	
PRINT DCE NAME	RCE#	PROJECT MANAGER	
		CHRIS DAROUEA	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	CD		
CONTRACTOR	DATE STARTED	40677-71-D	
INSPECTOR	DATE COMPLETED		



SW CORNER TYPE "B" CURB RAMP (MODIFIED)
SCALE: 1"=5'



CURB PROFILE
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "B" DIRECTIONAL MODIFIED CURB RAMP, SINGLE FLARE PER DETAIL.
- 2 PROTECT EXISTING UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 3 PROTECT EXISTING WATER VALVE IN PLACE, ADJUST COVER TO GRADE.
- 4 PROTECT EXIST FIRE HYDRANT IN PLACE.
- 5 PROTECT EXISTING TRAFFIC SIGNAL/STREET LIGHT POLE IN PLACE.
- 6 INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595.
- 7 MAINTAIN 4' X 4' MIN LEVEL LANDING AT MIN 1% SLOPE FOR DRAINAGE. PLACE FRONT OF DWT PER SDG-131, NOTE 25.
- 8 EXIST SURVEY MONUMENT TO BE PERPETUATED.
- 9 EXIST PEDESTRIAN BARRICADE TO REMAIN.
- 10 BEGIN TRANSITION TO BACK OF LANDING AREA PER SDG-131, NOTE 6B.

CURB ALIGNMENT DATA:

HARBOR DR AND 1ST-SOUTHWEST CORNER	
HORIZONTAL ALIGNMENT	
Alignment: Harbor and 1st SWC TC proposed	
POINT STATION NORTHING (Y) EASTING (X) ELEMENT BRG/DELTA DIST/LENGTH	
POB 0+00.00	1838942.58 6280359.52 STRAIGHT S 55° 44' 48" E D = 1.38
PC 0+01.38	1838941.80 6280360.66 R = +20.50 DELTA = 85° 44' 12" RT L = 30.68
PT 0+32.05	1838914.61 6280366.87

FIELD DATA

TOPOGRAPHY SOURCE:

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JANUARY 10, 2019, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 5, SITE 2.

REFERENCES:

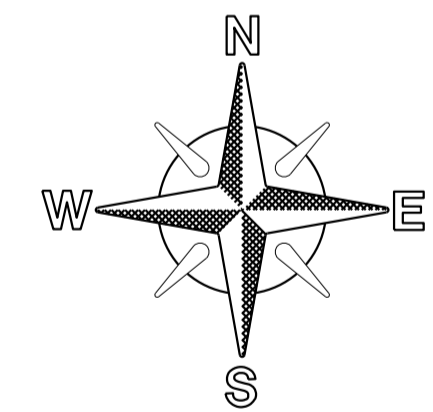
SUBDIVISION MAP:
MM 18, 456, HORTON'S ADD. LOCKLING
CORNER RECORD: 7232
RECORD OF SURVEY: 14813
CITY DRAWING:
18401-B, 18403-B, 18404-B, 24311-D,
ADJOINING JOBS:
B-17056, DOWNTOWN MOBILITY PH-1AERIAL,
COLLINS / QUICK, 05/16/2018, 198-1725

BASIS OF BEARINGS/COORDINATES:

THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALYRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 17, AND GPS 173 (PT# 51), I.E. S 00° 52' 13" W,

BENCH:

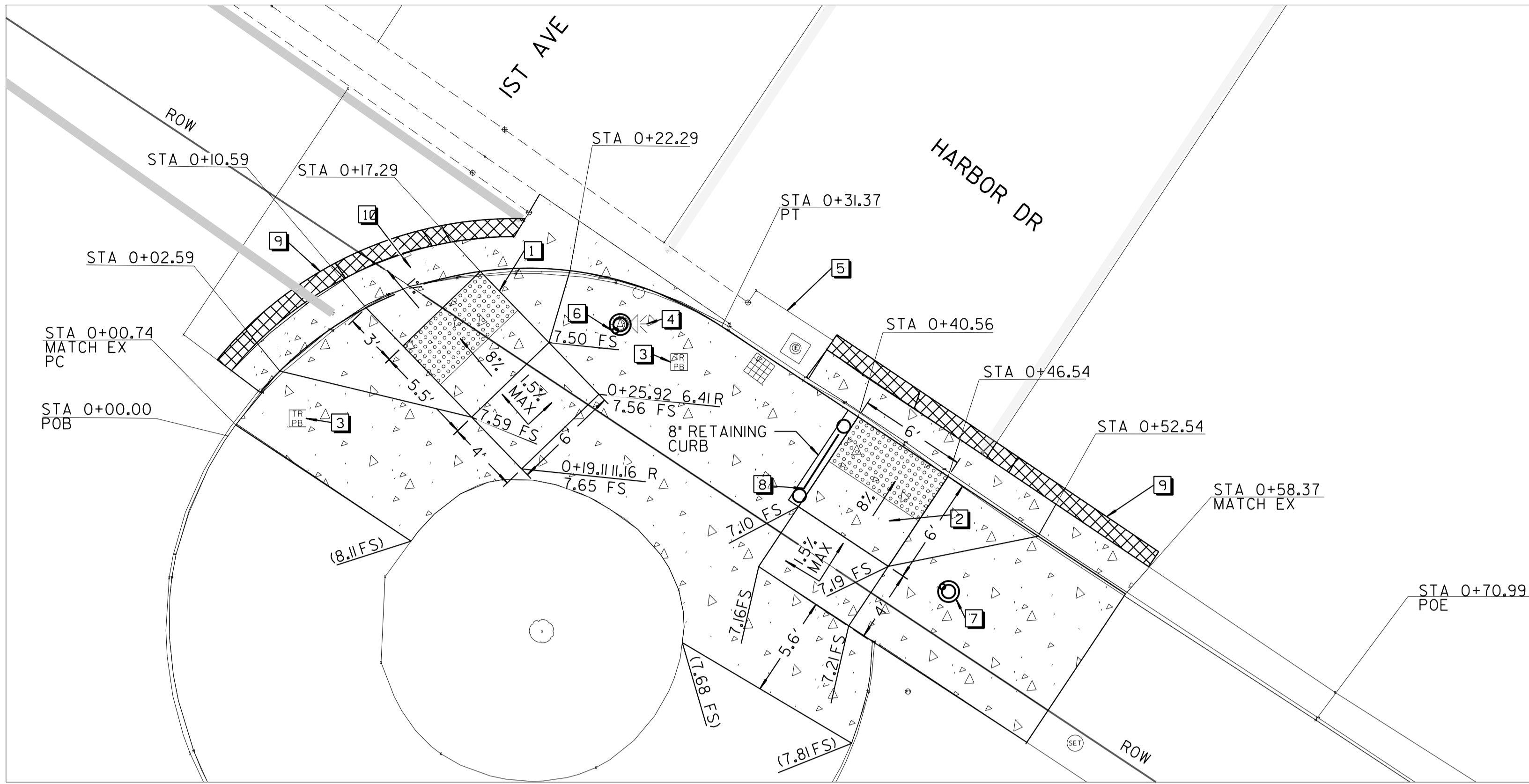
SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT# 50)
ELEV. 14,239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK



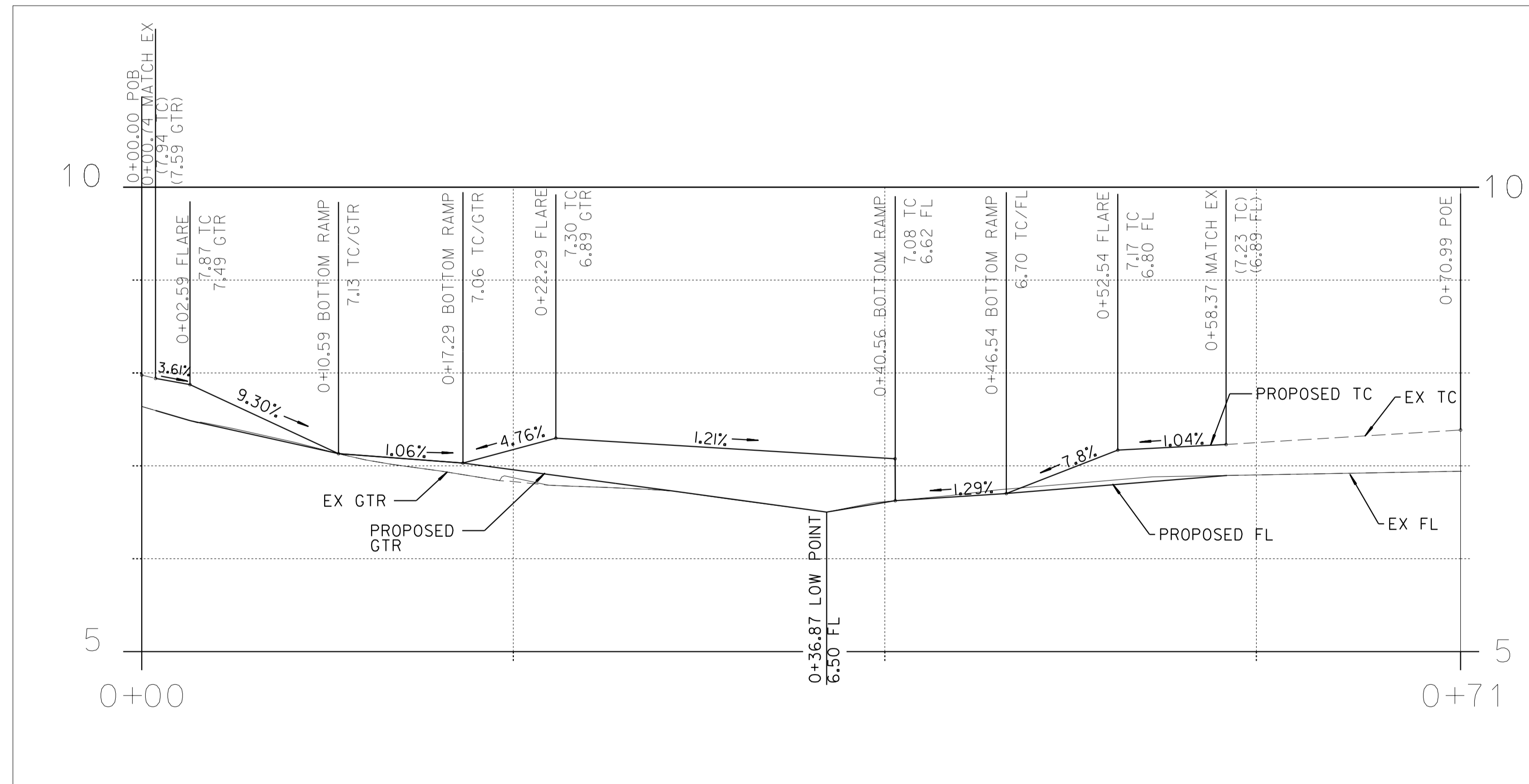
C-69

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
HARBOR DR AND 1ST AVE - SWC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 72 OF 75 SHEETS			WBS# B-17114		
APPROVED:		DATE		SUBMITTED BY:	
FOR CITY ENGINEER		DATE		AVEEN SALEH PROJECT MANAGER	
DAYUE ZHANG		C70971		CHRIS DARQUEA PROJECT ENGINEER	
PRINT DCE NAME		RCE#			
DESCRIPTION	BY	APPROVED	DATE	FILMED	
ORIGINAL	CD				198-1719
					CCS27 COORDINATE
					1838-6279
					CCS83 COORDINATE
CONTRACTOR	DATE STARTED	DATE COMPLETED		40677-72-D	
INSPECTOR					



SE CORNER TYPE "B" CURB RAMPS (MODIFIED)
SCALE: 1"=5'



CURB PROFILE
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "B" DIRECTIONAL CURB RAMP WITH 6' WIDE OPENING PER DETAIL.
- 2 CONSTRUCT TYPE "B" RAMP WITH 6' WIDE OPENING, SINGLE FLARE PER SDG-133 AND DETAIL.
- 3 PROTECT EXISTING UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 4 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE.
- 5 PROTECT IN PLACE EXISTING STORM DRAIN INLET.
- 6 INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595, RELOCATE OTHER PUSH BUTTON TO NEW POST, SEE NOTE 7.
- 7 INSTALL NEW PUSH BUTTON HOUSING ASSEMBLY TO COLOR NO. 33538 OF FED-STD-595 AND PUSH BUTTON ASSEMBLY POST DETAIL "B" PER CAL TRANS 2018 STANDARD PLAN ES-7A.
- 8 INSTALL PROTECTIVE RAILING AT CURB RAMP PER SDG-140.
- 9 SAWCUT 1' FROM PROPOSED LIP OF GUTTER, AC PATCH TO MATCH GRADE.
- 10 MAINTAIN 4' X 4' MIN LEVEL LANDING AT MIN 1% SLOPE FOR DRAINAGE.

CURB ALIGNMENT DATA:

HARBOR DR AND 1ST-SOUTHEAST CORNER	
HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
Alignment Name: SEC Harbor-1st TC proposed	Element: Linear
POB 0+00.00 1838881.92 6280410.09	POB 0+00.00 7.98
STRAIGHT N 33° 31' 45.45" E D = 0.74	PVI0+00.74 7.94
PC 0+00.74 1838882.53 6280410.49	Tangent Grade: -4.78%
R = +19.50 DELTA = 90° 00' 00.00"	Tangent Length: 0.74
RT L = 30.63	Element: Linear
PT 0+31.37 1838888.02 6280437.52	PVI0+00.74 7.94
STRAIGHT S 56° 28' 14.55" E D = 39.62	PVI0+02.60 7.87
POE 0+70.99 1838866.13 6280470.55	Tangent Grade: -3.61%
	Tangent Length: 1.86
	Element: Linear
	PVI0+02.60 7.87
	PVI0+05.99 7.13
	Tangent Grade: -9.30%
	Tangent Length: 8.00
	Element: Linear
	PVI0+05.99 7.13
	PVI0+17.29 7.06
	Tangent Grade: -1.06%
	Tangent Length: 6.70
	Element: Linear
	PVI0+17.29 7.06
	PVI0+22.29 7.30
	Tangent Grade: 4.76%
	Tangent Length: 5.00
	Element: Linear
	PVI0+22.29 7.30
	PVI0+40.55 7.08
	Tangent Grade: -1.21%
	Tangent Length: 18.26
	Element: Linear
	PVI0+40.55 7.08
	PVI0+40.56 6.62
	Tangent Grade: -4514.18%
	Tangent Length: 0.01
	Element: Linear
	PVI0+40.56 6.62
	PVI0+46.54 6.70
	Tangent Grade: 1.29%
	Tangent Length: 5.98
	Element: Linear
	PVI0+46.54 6.70
	PVI0+52.54 7.17
	Tangent Grade: 7.80%
	Tangent Length: 6.00
	Element: Linear
	PVI0+52.54 7.17
	PVI0+58.37 7.23
	Tangent Grade: 1.04%
	Tangent Length: 5.83
	Element: Linear
	PVI0+58.37 7.23
	POE 0+70.99 7.39
	Tangent Grade: 1.23%
	Tangent Length: 12.62

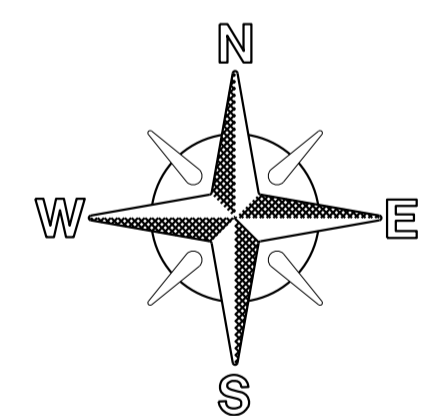
FIELD DATA

TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JANUARY 10, 2019, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 AREA 5, SITE 2.

REFERENCES:
SUBDIVISION MAP:
MM 18, 456, HORTON'S ADD. LOCKLING CORNER RECORD: 7232
RECORD OF SURVEY: 14813
CITY DRAWING:
18401-B, 18403-B, 18404-B, 24311-D,
ADJOINING JOBS:
B-17056, DOWNTOWN MOBILITY PH-1AERIAL,
COLLINS / QUICK, 05/16/2018, 198-1725

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R.O.F S.14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 17, AND GPS 173 (PT# 5), I.E. S 00° 52' 13" W,

BENCH:
SWBP HAWTHORN ST & PACIFIC HIGHWAY (PT# 50)
ELEV. 14.239 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK

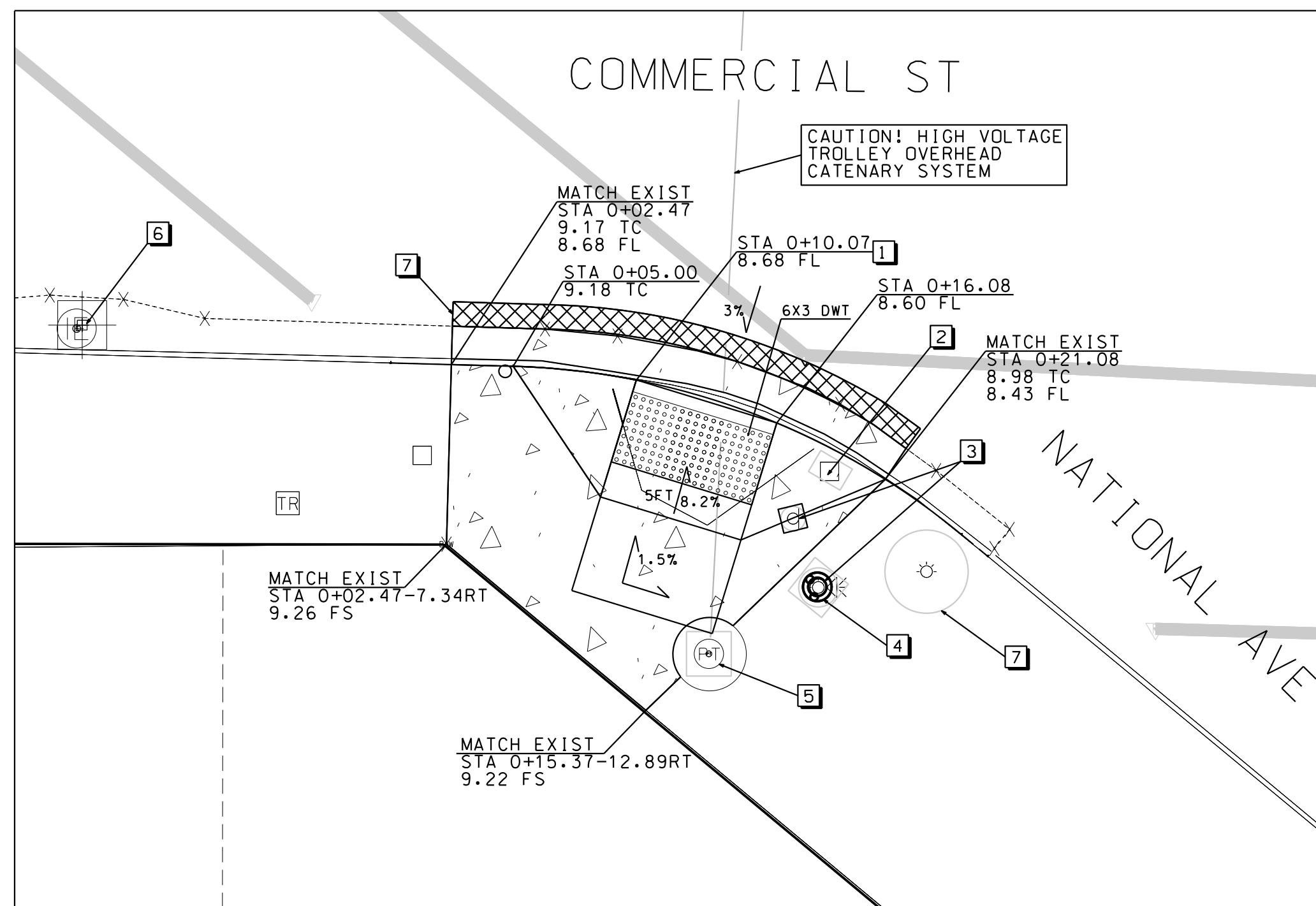


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CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
HARBOR DR AND 1ST AVE - SEC

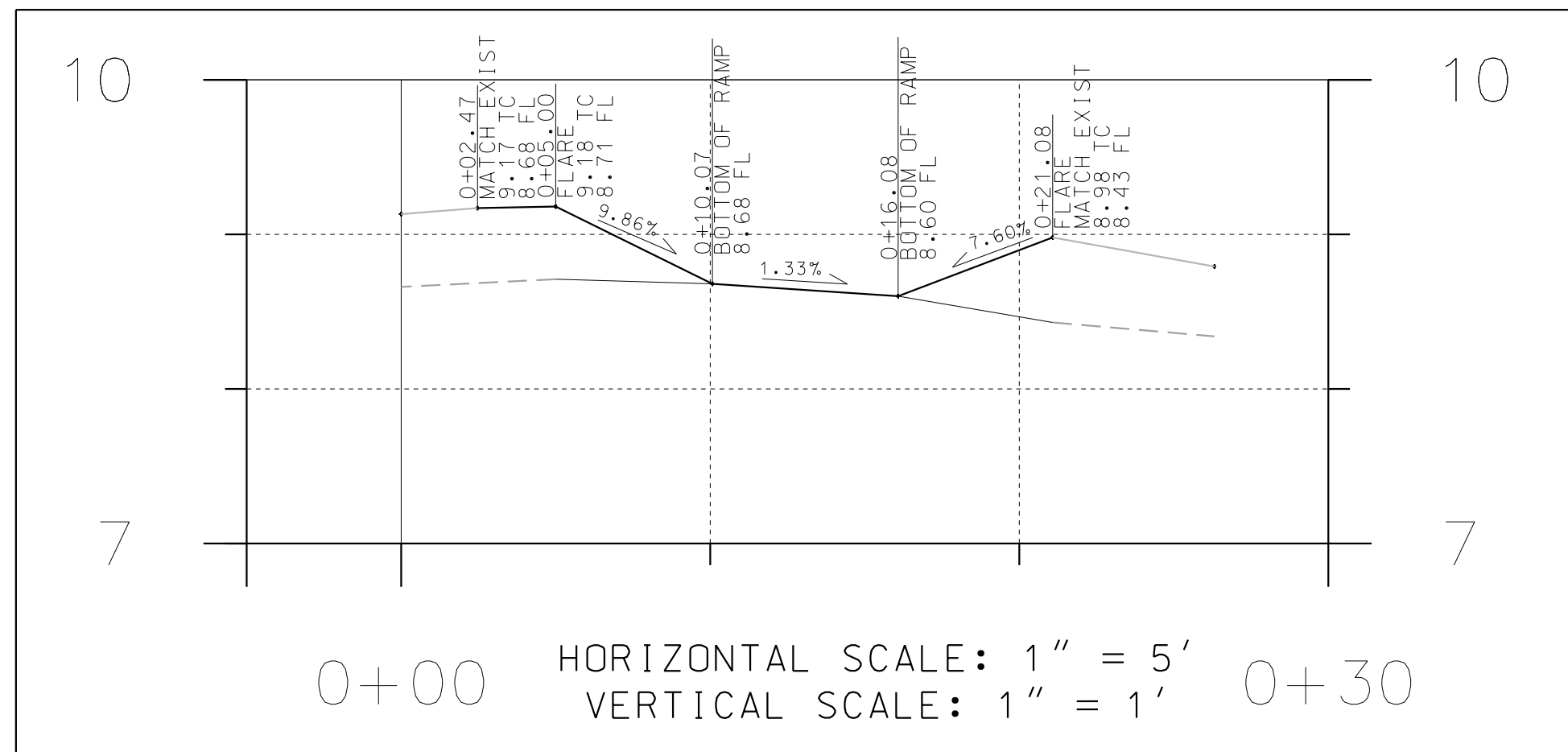
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS SHEET 73 OF 75 SHEETS		WBS# B-17114
APPROVED:	DATE	SUBMITTED BY:
FOR CITY ENGINEER DAYUE ZHANG PRINT DCE NAME	C70971 RCE#	AVEEN SALEH PROJECT MANAGER
DESCRIPTION	BY	APPROVED
ORIGINAL	CD	DATE
		FILMED
CONTRACTOR	DATE STARTED	40677-73-D
INSPECTOR	DATE COMPLETED	

CURB RAMP DETAIL



SW CORNER TYPE 'A' CURB RAMP
SCALE: 1"=5'

SW RAMP PROFILE AT TC



CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE 'A' CURB RAMP PER DETAIL AND CITY OF SAN DIEGO STANDARD DRAWINGS SDG-I32.
- 2 ADJUST EXISTING PULL BOX TO GRADE.
- 3 PROTECT EXISTING TRAFFIC SIGNAL POLE IN PLACE.
- 4 FURNISH AND INSTALL NEW ADA STANDARD PUSH BUTTON (2).
- 5 PROTECT EXISTING MTS CATENARY POLE IN PLACE.
- 6 PROTECT EXISTING STORM DRAIN IN PLACE.
- 7 PROTECT EXISTING STREET LIGHT POLE IN PLACE.
- 8 SAWCUT 1' FROM PROPOSED LIP OF GUTTER. AC PATCH TO MATCH GRADE.

TOPOGRAPHY SOURCE

BASED ON FIELD SURVEY PERFORMED BY D.DELATORRE ON JAN 24, 2019. WORK ORDER NO. B-17114.

BENCHMARK

SEBP TOP INLET 13TH ST AND IMPERIAL AVE (PT*3) ELEV. (8.892) MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES

DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING R. OF S. 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND CHECKING GPS 1137, I.E. N56°10'28"E.

CURB ALIGNMENT DATA:

NATIONAL AVE & COMMERCIAL ST SOUTHWEST CORNER
HORIZONTAL ALIGNMENT

ALIGNMENT: National at Commercial SW TC
 POB 0+00.00 1837546.19 6284278.84
 STRAIGHT S 88°26'56.59" E D = 5.00
 PC 0+05.00 1837546.05 6284283.84
 R = +30.00 DELTA = 38°02'52.91" RT L = 19.92
 PT 0+24.92 1837539.18 6284302.15
 STRAIGHT S 50°24'03.68" E D = 1.39
 POE 0+26.32 1837538.29 6284303.22

VERTICAL ALIGNMENT

Element: Linear
 POB 0+00.00 9.13
 PVI 0+02.47 9.17
 Tangent Grade: 1.57%
 Tangent Length: 2.47

Element: Linear
 PVI 0+02.47 9.17
 PVI 0+05.00 9.18
 Tangent Grade: 0.40%
 Tangent Length: 2.53

Element: Linear
 PVI 0+05.00 9.18
 PVI 0+10.07 8.68
 Tangent Grade: -9.86%
 Tangent Length: 5.07

Element: Linear
 PVI 0+10.07 8.68
 PVI 0+16.08 8.60
 Tangent Grade: -1.33%
 Tangent Length: 6.01

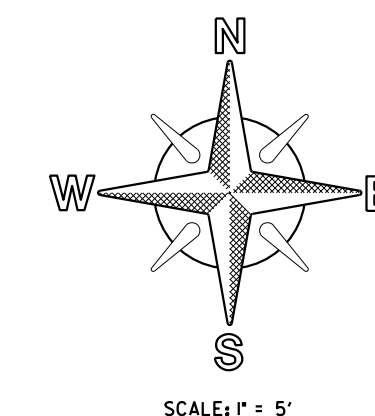
Element: Linear
 PVI 0+16.08 8.60
 PVI 0+21.08 8.98
 Tangent Grade: 7.60%
 Tangent Length: 5.00

Element: Linear
 PVI 0+21.08 8.98
 POE 0+26.32 8.79
 Tangent Grade: -3.59%
 Tangent Length: 5.24

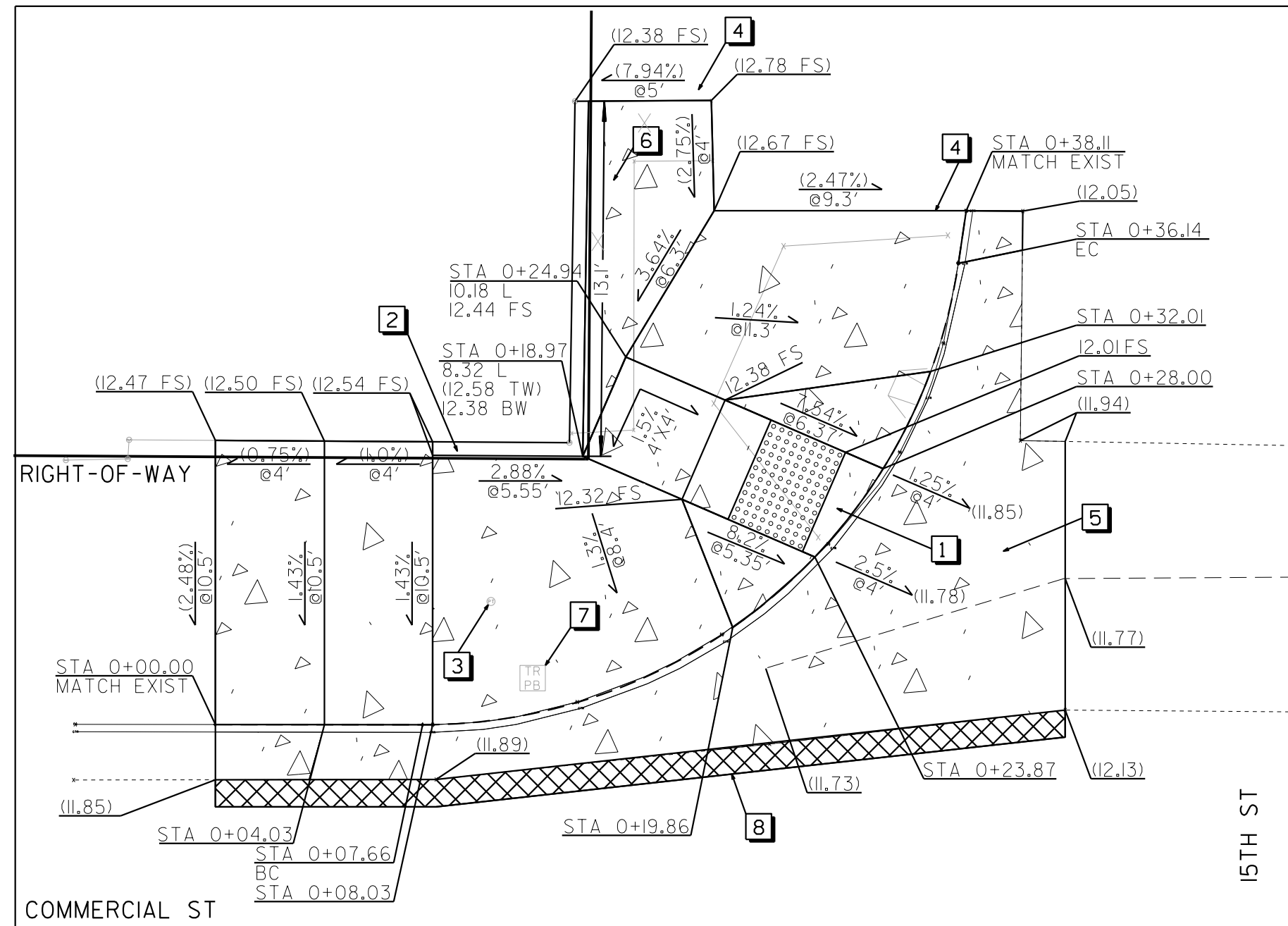
CURB RAMP DETAIL

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CURB RAMP IMPROVEMENT GROUP 1701
 CURB RAMP DETAIL
 NATIONAL AVE AND COMMERCIAL ST - SWC



CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 74 OF 75 SHEETS		WBS#	B-17114
APPROVED:	DATE:	SUBMITTED BY:	
FOR CITY ENGINEER	DATE	AVEEN SALEH PROJECT MANAGER	
DAYUE ZHANG	C70971	CHRIS DARQUEA PROJECT ENGINEER	
PRINT DCE NAME	RCE#	194-1719 CCS27 COORDINATE	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	CD		
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
		6280407-1834444 CCS83 COORDINATE	
		40677-74-D	



NW CORNER TYPE "A" CURB RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE 'A' CURB RAMP PER DETAIL AND THE CITY OF SAN DIEGO STANDARD DRAWINGS SDG-132.
- 2 CONSTRUCT 6" WIDE RETAINING WALL.
- 3 PROTECT EXISTING POLE AND FOUNDATION IN PLACE. ADJUST TO GRADE.
- 4 PROTECT EXISTING WALL AND ENTRANCE IN PLACE. CONTRACTOR TO COORDINATE WITH THE PROPERTY MANAGER FOR CONSTRUCTION.
- 5 REMOVE AND REPLACE CROSS GUTTER AS SHOWN AND PER THE CITY OF SAN DIEGO STANDARD DRAWINGS SDG-157.
- 6 PROTECT EXISTING UTILITY BOX IN PLACE. ADJUST TO GRADE.
- 7 ADJUST PULL BOX TO GRADE.
- 8 SAWCUT 1' AWAY FROM PROPOSED LIP OF GUTTER AND AC PATCH TO MATCH GRADE.

TOPOGRAPHY SOURCE

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON JANUARY 24, 2019. WORK ORDER NO. B-17114.

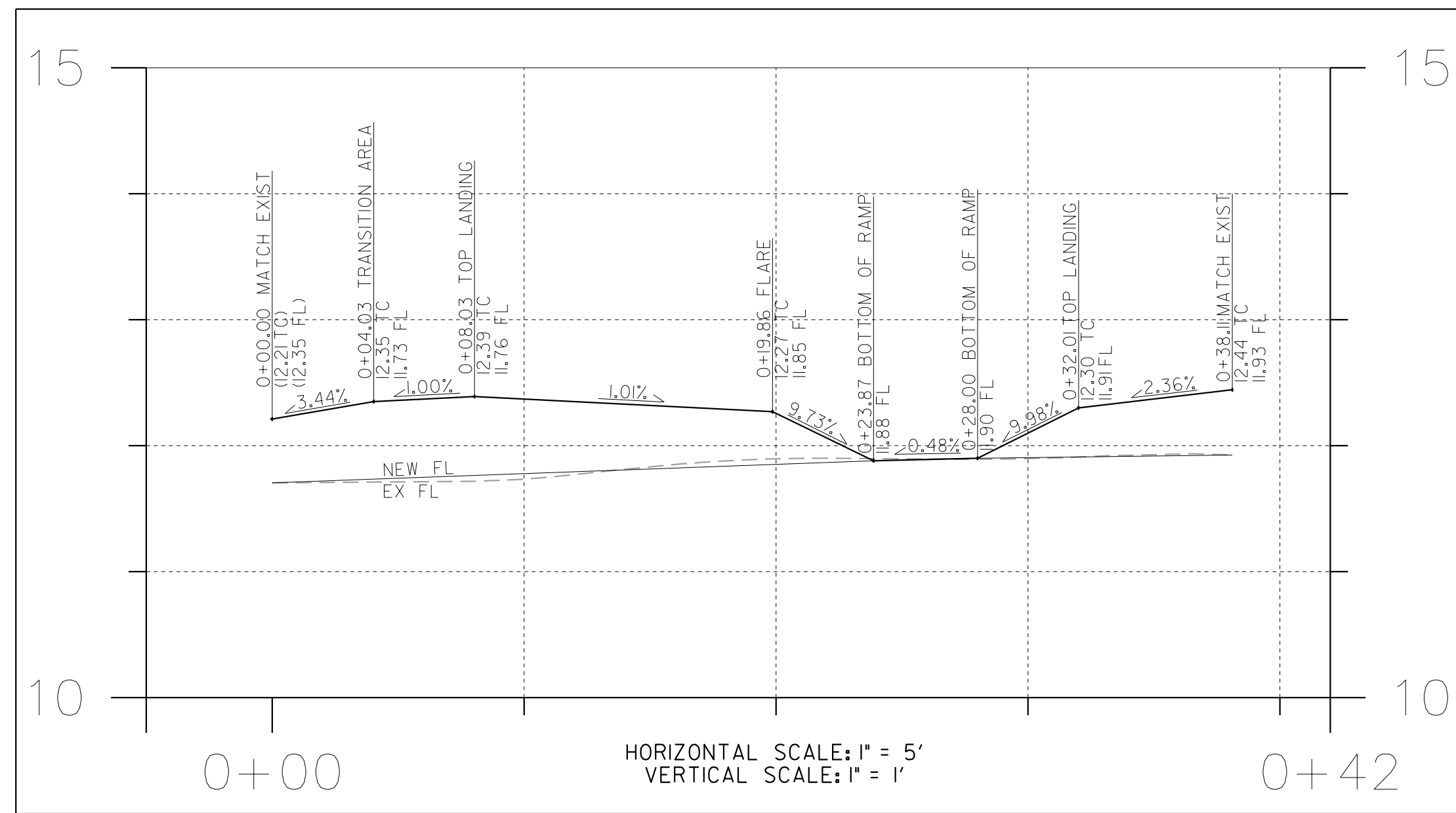
BENCHMARK

SEBP 13TH ST. & IMPERIAL AVE. (PT# 3) ELEV. 8.892 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES

THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING RECORD OF SURVEY I4492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND CHECKING GPS I137, I.E. N56°10'28"E.

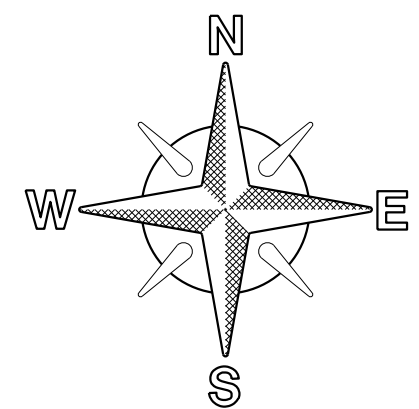
NW RAMP PROFILE AT TC



CURB ALIGNMENT DATA

COMMERCIAL ST AND 15TH ST NORTHWEST CORNER

HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
ALIGNMENT: Commercial and 15th NW	Element: Linear POB 0+00.00 12.21 PVI 0+04.03 12.35 Tangent Grade: 3.439% Tangent Length: 4.03
POB 0+00.00 1837600.76 6284649.05 STRAIGHT S 89° 55' 50.21" E D = 7.66 PC 0+07.66 1837600.75 6284656.71 R = -20.00 DELTA = 81° 35' 58.11" LT L = 28.48 PT 0+36.14 1837617.81 6284676.52 STRAIGHT N 8° 28' 11.68" E D = 1.97 POE 0+38.11 1837619.75 6284676.80	Element: Linear PVI 0+04.03 12.35 PVI 0+08.03 12.39 Tangent Grade: 1.000% Tangent Length: 4.00
	Element: Linear PVI 0+08.03 12.39 PVI 0+19.86 12.27 Tangent Grade: -1.014% Tangent Length: 11.83
	Element: Linear PVI 0+19.86 12.27 PVI 0+23.87 11.88 Tangent Grade: -9.726% Tangent Length: 4.01
	Element: Linear PVI 0+23.87 11.88 PVI 0+28.00 11.90 Tangent Grade: 0.484% Tangent Length: 4.13
	Element: Linear PVI 0+28.00 11.90 PVI 0+32.01 12.30 Tangent Grade: 9.975% Tangent Length: 4.01
	Element: Linear PVI 0+32.01 12.30 POE 0+38.11 12.44 Tangent Grade: 2.361% Tangent Length: 6.10



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CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
COMMERCIAL ST AND 15TH ST

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 75 OF 75 SHEETS		WBS# B-17114
APPROVED: FOR CITY ENGINEER DAYLIE ZHANG PRINT DCE NAME	DATE C70971 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER JINSIL KIM PROJECT ENGINEER
DESCRIPTION	BY	APPROVED
ORIGINAL	JK	
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	
		194-1719 CCS27 COORDINATE 1834-6280 CCS83 COORDINATE 40677-75-D

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

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
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2. Construction and maintenance related activities (see Tab 2).
 - b. No customer inside or outside the boundaries of the City of San Diego Water Department shall resell any portion of the water delivered through a fire hydrant by the City of San Diego Water Department.
 - c. The City of San Diego allows for the issuance of a temporary fire hydrant meter for a period not to exceed 12 months (365 days). An extension can only be granted in writing from the Water Department Director for up to 90 additional days. A written request for an extension by the consumer must be submitted at least 30 days prior to the 12 month period ending. No extension shall be granted to any customer with a delinquent account with the Water Department. No further extensions shall be granted.
 - d. Any customer requesting the issuance of a fire hydrant meter shall file an application with the Meter Section. The customer must complete a "Fire Hydrant Meter Application" (Tab 1) which includes the name of the company, the party responsible for payment, Social Security number and/or California ID, requested location of the meter (a detailed map signifying an exact location), local contact person, local phone number, a contractor's license (or a business license), description of specific water use, duration of use at the site and full name and address of the person responsible for payment.
 - e. At the time of the application the customer will pay their fees according to the schedule set forth in the Rate Book of Fees and Charges, located in the City Clerk's Office. All fees must be paid by check, money order or cashiers check, made payable to the City Treasurer. Cash will not be accepted.
 - f. No fire hydrant meters shall be furnished or relocated for any customer with a delinquent account with the Water Department.
 - g. After the fees have been paid and an account has been created, the

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
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	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

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for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

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

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

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

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

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

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

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

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7. **FEE AND DEPOSIT SCHEDULES**

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

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

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

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

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

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

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

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

Water Department Director

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

APPENDIX

Administering Division: Customer Support Division

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

Distribution: DI Manual Holders



Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

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

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

Company Information

Company Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ()
*Business license#		*Contractor license#	
A Copy of the Contractor's license OR Business License is required at the time of meter issuance.			
Name and Title of Billing Agent: <small>(PERSON IN ACCOUNTS PAYABLE)</small>			Phone: ()
Site Contact Name and Title:			Phone: ()
Responsible Party Name:			Title:
Cal ID#			Phone: ()
Signature:		Date:	
<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

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

Project Name:
Work Order No or Job Order No.
City Purchase Order No.
Resident Engineer (RE):
RE Phone#: Fax#:

Contractor's Name:
Contractor's Address:

Contractor's Phone #:
Contractor's fax #:
Contact Name:

Invoice No.
Invoice Date:
Billing Period: (To)

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

SUMMARY

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

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

Resident Engineer

Construction Engineer

Retention and/or Escrow Payment Schedule

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

Contractor Signature and Date: _____

NOTE: CONTRACTOR TO CALCULATE TO THE 2ND DECIMAL PLACE.

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



Engineering & Capital Projects

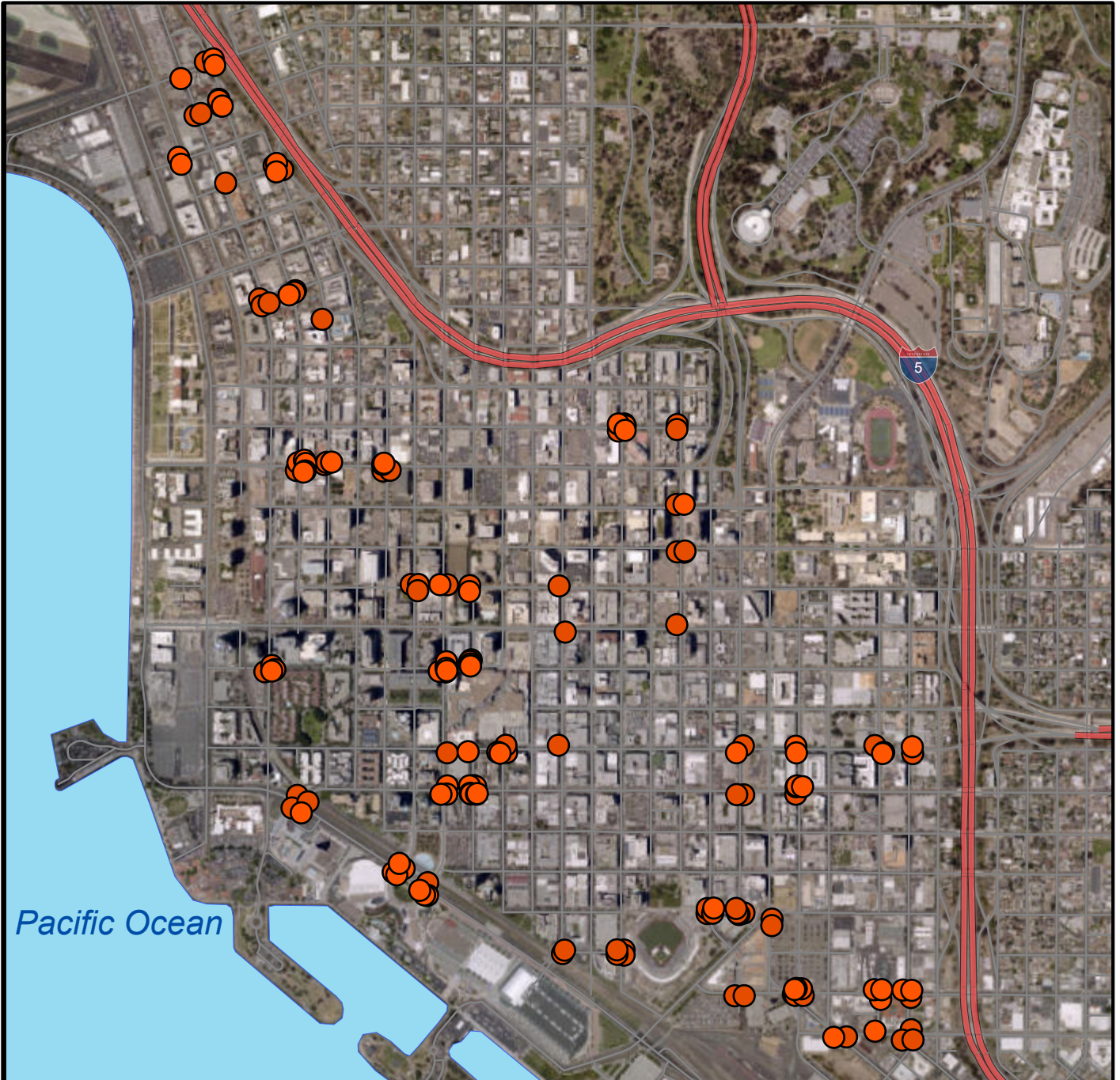
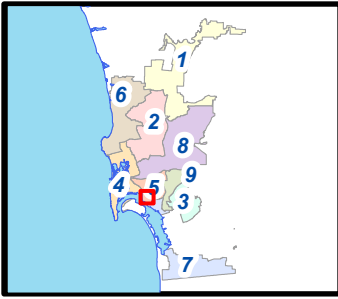
CURB RAMP IMPROVEMENT GROUP 1701

SENIOR ENGINEER
ZACH BARHOUMI
619-533-5114

PROJECT MANAGER
AVEEN SALEH
619-533-4641

PROJECT ENGINEER
CHRIS DARQUEA
619-235-1960

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



Legend

 Curb Ramp Installations



COMMUNITY NAME: DOWNTOWN, BARRIO LOGAN

COUNCIL DISTRICT: 3, 8

SAP ID: B17114

Date: November 4, 2021

Curb Ramp Improvement Group 1701
Appendix E - Location Map



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APPENDIX F
SAMPLE OF PUBLIC NOTICE



CONSTRUCTION NOTICE

PROJECT TITLE

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

The work will consist of:

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

How your neighborhood may be impacted:

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

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



CONSTRUCTION NOTICE

PROJECT TITLE

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

The work will consist of:

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

How your neighborhood may be impacted:

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

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX

APPENDIX G

ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

Protecting AMI Devices in Meter Boxes and on Street Lights

The Public Utilities Department (PUD) has begun the installation of the Advanced Metering Infrastructure (AMI) technology as a new tool to enhance water meter reading accuracy and efficiency, customer service and billing, and to be used by individual accounts to better manage the efficient use of water. **All AMI devices shall be protected per Section 402-2, "Protection", of the 2018 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:



Network Devices, see Photo 3:

Photo 3



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

Photo 4



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

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

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

Photo 5

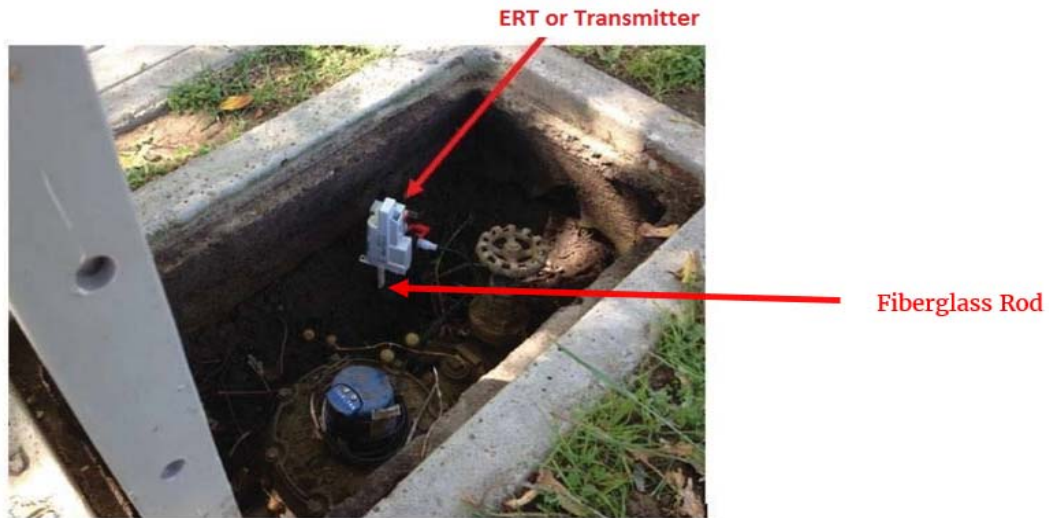


Photo 6 below is an example of disturbance that shall be avoided:

Photo 6



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

Photo 7



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

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

Photo 8



Network Device

Photo 9



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

ATTACHMENT F
RESERVED

ATTACHMENT G
CONTRACT AGREEMENT

ATTACHMENT G
CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and L C Paving & Sealing, Inc., herein called "Contractor" for construction of **Curb Ramp Improvement Group 1701**; Bid No. **K-22-2069-DBB-3**; in the total amount **One Million Four Hundred Ninety-Nine Thousand Two Hundred Twenty-Nine Dollars and Eight Cents (\$1,499,229.08)**, which is comprised of the Base Bid.

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

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) That certain documents entitled **Curb Ramp Improvement Group 1701**, on file in the office of the Purchasing & Contracting Department as Document No. **B-17114**, 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 **Curb Ramp Improvement Group 1701**, Bid Number **B-17114**, 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.

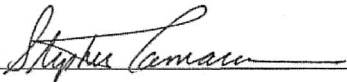
CONTRACT AGREEMENT (continued)

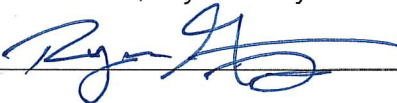
- 4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 5. This contract is effective as of the date that the Mayor or designee signs the agreement and is approved by the City Attorney in accordance with San Diego Charter Section 40.

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

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

By 

Mara W. Elliott, City Attorney
By 

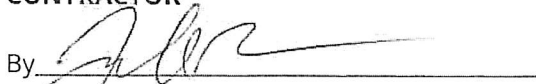
Print Name: Stephen Samara
Principal Contract Specialist
Purchasing & Contracting Department

Print Name: RYAN P. GERRITY
Deputy City Attorney

Date: 5-9-2022

Date: 5/10/2022

CONTRACTOR

By 

Print Name: JOSE SALINAS

Title: PRESIDENT

Date: 03-29-2022

City of San Diego License No.: B2015032781

State Contractor's License No.: 621610

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 100004325

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 5-1.3, "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 5-1.2, "California Building Code, California Code of Regulations Title 24 and 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 5-1.4, ("Contractor Standards and Pledge of Compliance"), 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.

CONTRACTOR CERTIFICATION

PRODUCT ENDORSEMENT

I declare under penalty of perjury that I acknowledge and agree to comply with the provisions of City of San Diego Administrative Regulation 95.65, concerning product endorsement. Any advertisement identifying or referring to the City as the user of a product or service requires the prior written approval of the City.

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:

Curb Ramp Improvement Group 1701

Project Title

as particularly described in said contract and identified as Bid No. **K-22-2069-DBB-3**; SAP No. (WBS)**B-17114**; 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

CERTIFICATE OF COMPLIANCE

Materials and Workmanship Compliance

For Contract or Task _____

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

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

Material Description:

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

Signed by: _____

Printed Name: _____

Title: _____

Company: _____

Date: _____

City of San Diego

Engineering & Capital Projects Department, CMFE Division

NOTICE OF MATERIALS TO BE USED

To: _____
Resident Engineer

Date: _____, 20____

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

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

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

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

Distribution:

Supplier

Signature of Supplier

Address

LIST OF SUBCONTRACTORS

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

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

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

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

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

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

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

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	MATERIALS OR SUPPLIES	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

FAILURE TO FULLY COMPLETE AND SUBMIT ANY OF THE FOLLOWING FORMS WILL DEEM YOUR BID NON-RESPONSIVE.

PLANETBIDS WILL NOT ALLOW FOR BID SUBMISSIONS WITHOUT THE ATTACHMENT OF THESE FORMS

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. DEBARMENT AND SUSPENSION CERTIFICATION FOR PRIME CONTRACTOR**
- E. DEBARMENT AND SUSPENSION CERTIFICATION FOR SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS**

BID BOND

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

KNOW ALL MEN BY THESE PRESENTS,

That LC Paving & Sealing, Inc. as Principal,
and Argonaut 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

Curb Ramp Improvement Group 1701, Bid No.: K-22-2069-DBB-3

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 11th day of February, 2022

LC Paving & Sealing, Inc. (SEAL)
(Principal)

By: [Signature]
(Signature)

Argonaut Insurance Company
c/o CMGIA, 20335 Ventura Blvd., Ste 426
Woodland Hills, CA 91364 (SEAL)
(Surety)

By: [Signature]
(Signature)
Gabriella Grady, Attorney-in-Fact

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

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 February 15, 2022 before me, Marisa Haas, Notary Public
(insert name and title of the officer)

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

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

WITNESS my hand and official seal.

Signature



(Seal)



**Argonaut Insurance Company
Deliveries Only: 225 W. Washington, 24th Floor
Chicago, IL 60606**

**United States Postal Service: P.O. Box 469011, San Antonio, TX 78246
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the Argonaut Insurance Company, a Corporation duly organized and existing under the laws of the State of Illinois and having its principal office in the County of Cook, Illinois does hereby nominate, constitute and appoint:

Gabriella Grady, Shilo Lee Losino, Stephanie Hope Shear, Elizabeth Santos, Stacey Garcia, Matthew Dionisio

Their true and lawful agent(s) and attorney(s)-in-fact, each in their separate capacity if more than one is named above, to make, execute, seal and deliver for and on its behalf as surety, and as its act and deed any and all bonds, contracts, agreements of indemnity and other undertakings in suretyship provided, however, that the penal sum of any one such instrument executed hereunder shall not exceed the sum of:

\$15,000,000.00

This Power of Attorney is granted and is signed and sealed under and by the authority of the following Resolution adopted by the Board of Directors of Argonaut Insurance Company:

"RESOLVED, That the President, Senior Vice President, Vice President, Assistant Vice President, Secretary, Treasurer and each of them hereby is authorized to execute powers of attorney, and such authority can be executed by use of facsimile signature, which may be attested or acknowledged by any officer or attorney, of the Company, qualifying the attorney or attorneys named in the given power of attorney, to execute in behalf of, and acknowledge as the act and deed of the Argonaut Insurance Company, all bond undertakings and contracts of suretyship, and to affix the corporate seal thereto."

IN WITNESS WHEREOF, Argonaut Insurance Company has caused its official seal to be hereunto affixed and these presents to be signed by its duly authorized officer on the 1st day of June, 2021.

Argonaut Insurance Company



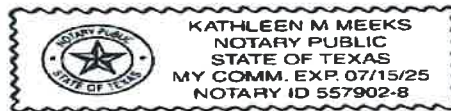
by: _____

Joshua C. Betz, Senior Vice President

STATE OF TEXAS
COUNTY OF HARRIS SS:

On this 1st day of June, 2021 A.D., before me, a Notary Public of the State of Texas, in and for the County of Harris, duly commissioned and qualified, came THE ABOVE OFFICER OF THE COMPANY, to me personally known to be the individual and officer described in, and who executed the preceding instrument, and he acknowledged the execution of same, and being by me duly sworn, deposed and said that he is the officer of the said Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and the said Corporate Seal and his signature as officer were duly affixed and subscribed to the said instrument by the authority and direction of the said corporation, and that Resolution adopted by the Board of Directors of said Company, referred to in the preceding instrument is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand, and affixed my Official Seal at the County of Harris, the day and year first above written.



(Notary Public)

I, the undersigned Officer of the Argonaut Insurance Company, Illinois Corporation, do hereby certify that the original POWER OF ATTORNEY of which the foregoing is a full, true and correct copy is still in full force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand, and affixed the Seal of said Company, on the 11th day of February, 2022.



James Bluzard, Vice President-Surety

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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

State of California)
County of Los Angeles)

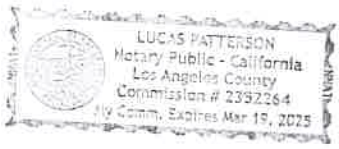
On **FEB 11 2022** before me, Lucas Patterson, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Gabriella Grady
Name(s) of Signer(s)

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

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

WITNESS my hand and official seal.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document

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

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____ 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 or Conservator Trustee Guardian or Conservator
 Other: _____ Other: _____
Signer Is Representing: _____ Signer Is Representing: _____

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

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

CHECK ONE BOX ONLY.

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

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

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/REMEDIAL ACTION TAKEN

Contractor Name: LC Paving & Sealing, Inc.

Certified By Jose Salinas Title President


 Name
 Signature

Date 2-15-2022

USE ADDITIONAL FORMS AS NECESSARY

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Legal Name		DBA	
LC Paving & Sealing, Inc.			
Street Address	City	State	Zip
620 Alpine Way	Escondido	CA	92029
Contact Person, Title		Phone	Fax
Marisa Haas Office Manager		760-752-1743	760-752-1674

Provide the name, identity, and precise nature of the interest* of all persons who are directly or indirectly involved** in this proposed transaction (SDMC § 21.0103).

* The precise nature of the interest includes:

- the percentage ownership interest in a party to the transaction,
- the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction, the value of any financial interest in the transaction,
- any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and any philanthropic, scientific, artistic, or property interest in the transaction.

** Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City,
- or directing or supervising the actions of persons engaged in the above activity.

Name	Title/Position
Jose Salinas <i>100% Owner</i>	President, Vice President, & Secretary
City and State of Residence	Employer (if different than Bidder/Proposer)
San Marcos CA	N/A
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
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 Mayor or Designee with written notice is grounds for Contract termination.

Jose Salinas President		<i>2-15-2022</i>
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.

**DEBARMENT AND SUSPENSION CERTIFICATION
PRIME CONTRACTOR
FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE**

EFFECT OF DEBARMENT OR SUSPENSION
To promote integrity in the City's contracting processes and to protect the public interest, the City shall only enter into contracts with responsible- bidders and contractors. In accordance with San Diego Municipal Code §22.0814 (a); <i>Bidders and contractors</i> who have been <i>debarred or suspended</i> are excluded from submitting bids, submitting responses to requests for proposal or qualifications, receiving <i>contract awards</i> , executing <i>contracts</i> , participating as a <i>subcontractor</i> , <i>employee, agent</i> or representative of another <i>person</i> contracting with the City.

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 Names of the Principal Individual owner(s).

The names of all persons interested in the foregoing proposal as Principals are as follows:

NAME	TITLE
Jose Salinas	President, Vice President, & Secretary

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, state secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if Bidder or other interested person is an individual, state first and last names in full.

The Bidder, under penalty of perjury, certifies that, except as noted below, he/she or any person associated therewith in the capacity of owner, partner, director, officer, manager:

- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal, State or local agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal, State or local agency within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

N/A

Exceptions will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Contractor Name: LC Paving & Sealing, Inc.

Certified By Jose Salinas Title President


Date 2-25-2022

Signature

NOTE: Providing false information may result in criminal prosecution or administrative sanctions.

DEBARMENT AND SUSPENSION CERTIFICATION
SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS
TO BE COMPLETED BY BIDDER
FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

Names of the Principal individual owner(s)

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 Names of the Principal Individual owner(s) for their subcontractor/supplier/manufacturers.

Please indicate if principal owner is serving in the capacity of **subcontractor**, **supplier**, and/or **manufacturer**:

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
McGrath Holdings Inc	
Michael McGrath	President

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
REC Trucking Inc	
Rafael Teran	President

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
RTL Traffic Control	
Renee Ortega	President

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE

Contractor Name: LC Paving & Sealing, Inc

Certified By Jose Salinas Title President


 Name _____
 Signature _____ Date 2-15-2022

USE ADDITIONAL FORMS AS NECESSARY*

DEBARMENT AND SUSPENSION CERTIFICATION
SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS
TO BE COMPLETED BY BIDDER
FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

Names of the Principal individual owner(s)

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 Names of the Principal Individual owner(s) for their subcontractor/supplier/manufacturers.

Please indicate if principal owner is serving in the capacity of **subcontractor**, **supplier**, and/or **manufacturer**:

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Payco Specialties	
Rebecca Ruth Llewellyn	President

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Southwest Signal Service	
James Cress	RMO/ CEO/ President

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Vic Salazar Communications	
Vic Salazar	President

SUBCONTRACTOR SUPPLIER MANUFACTURER

NAME	TITLE
Western Gardens Landscaping Inc	
Greg Vasilieff	President

Contractor Name: CC PAVING & SEALING, Inc

Certified By Jose Salinas Title President

 Name
 Date 2-15-2022

USE ADDITIONAL FORMS AS NECESSARY*

City of San Diego

CITY CONTACT: Rosa I. Riego, Senior Contract Specialist, Email: RRiego@sandiego.gov
Phone No. (619) 533-3426

ADDENDUM A



FOR

CURB RAMP IMPROVEMENT GROUP 1701

BID NO.:	K-22-2069-DBB-3
SAP NO. (WBS/IO/CC):	B-17114
CLIENT DEPARTMENT:	2116
COUNCIL DISTRICT:	3, 8
PROJECT TYPE:	IJ

BID DUE DATE:

2:00 PM
February 15, 2022

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

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

A. CHANGES TO CONTRACT DOCUMENTS

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

THE SUBMITTAL DATE FOR THIS PROJECT HAS BEEN **EXTENDED AS STATED ON THE COVER PAGE.**

Rania Amen, Director
Engineering & Capital Projects Department

Dated: *January 21, 2022*
San Diego, California

RA/AJ/ks

ENGINEER OF WORK

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



1) Registered Engineer

2/3/2022
Date

Seal:





2) For City Engineer

2/1/2022
Date

Seal:



A. CHANGES TO CONTRACT DOCUMENTS

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

B. ATTACHMENTS

1. To Attachment A, page 23, Item 1.1, Subitems 1.1.1 and 1.1.2, **DELETE** in their entirety and **SUBSTITUTE** with the following:
 - 1.1 The Work shall be performed in accordance with:
 - 1.1.1 The Notice Inviting Bids and Plans numbered **40677-01-D** through **40677-74-D**, inclusive.
 - 1.1.2 Added Plans numbered **40667-75-D** through **40667-84-D**, inclusive.

C. CERTIFICATIONS AND FORMS

2. **ADD** Covid-19 Vaccination Ordinance Certificate of Compliance, page 4 of 18 of this Addendum.

D. PLANS

1. To Drawing Numbers 40667-01-D, 40667-03-D, 40667-33-D and 40667-45-D, **DELETE** in their entirety and **REPLACE** with Drawing Numbers 40667-01-D, 40667-03-D, 40667-33-D and 40667-45-D, pages 5 through 8 of this Addendum.
2. **ADD** Drawing Numbers 40667-75-D through 40667-84-D, pages 9 through 18 of this Addendum.

Rania Amen, Director
Engineering & Capital Projects Department

Dated: *February 4, 2022*
San Diego, California

RA/AJ/mlw

CONTRACTOR CERTIFICATION

COVID-19 VACCINATION ORDINANCE

CERTIFICATION OF COMPLIANCE

I hereby certify that I am familiar with the requirements of San Diego City Council Ordinance No. O-2022-53 Emergency Ordinance to Implement the City's Mandatory COVID-19 Vaccination Policy.

TERMS OF COMPLIANCE

The Mandatory COVID-19 Vaccination Policy, outlined in San Diego Ordinance O-21398 (Nov. 29, 2021), requires ALL City of San Diego (City) contractors, who interact with City employees while providing contracted services indoors in City facilities or while performing bargaining unit work while indoors, to be fully vaccinated against COVID-19, effective January 3, 2022, as a condition for provision or continued provision of contracted services.

1. "City contractor" means a person who has contracted with the City of San Diego to provide public works, goods, services, franchise, or consultant services for or on behalf of the City, and includes a subcontractor, vendor, franchisee, consultant, or any of their respective officers, directors, shareholders, partners, managers, employees, or other individuals associated with the contractor, subcontractor, consultant, or vendor. "Person" means any natural person, firm, joint venture, joint stock company, partnership, association, club, company, corporation business trust or organization.
2. "Fully vaccinated" means a person has received, at least 14 days prior, either the second dose in a two-dose COVID-19 vaccine series or a single-dose COVID-19 vaccine, or otherwise meets the criteria for full vaccination against COVID-19 as stated in applicable public health guidance, orders, or law. Acceptable COVID-19 vaccines must be approved by the U.S. Food and Drug Administration (FDA) or authorized for emergency use by the FDA or the World Health Organization.
3. Contractors must fully comply with the City's Mandatory COVID-19 Vaccination Policy, which may include a reporting program that tracks employee vaccination status.
4. Contractors must certify that members of their workforce, and subcontractors regardless of tier, who work at a City facility, are fully vaccinated and that the contractor has a program to track employee compliance.
5. Contractors that have an Occupational Safety and Health Administration compliant testing program for members of their workforce, as a reasonable accommodation, may be considered for compliance.

Non-compliance with the City's Mandatory COVID-19 Vaccination Policy may result in termination of a contract for cause, pursuant to the City's General Terms and Provisions, Reference Standards, and the San Diego Municipal Code.

CURB RAMP IMPROVEMENT GROUP 1701

CONTRACTOR'S RESPONSIBILITIES

- 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.
- 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).
- STORM DRAIN INLETS SHALL REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
- 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.
- PROTECT EXISTING UTILITIES, WATER METER/UTILITY PULL BOX AND ELECTRICAL BOX IN PLACE AND ADJUST TO GRADE.
- ALL EXISTING SITE CONDITIONS TO BE DOCUMENTED PRIOR TO ANY DEMOLITION AND/OR EXCAVATION.
- CONTRACTOR TO NOTIFY THE PROPERTY OWNER BEFORE RELOCATING EXISTING TREES OR SPRINKLER HEADS PER PLAN.
- PROTECT EXISTING DRY UTILITIES, AND COORDINATE ADJUSTMENT TO GRADE WITH DRY UTILITY OWNER.
- FOR NEW OR RELOCATED SIGNAL AND/OR PEDESTRIAN PUSH BUTTON (PPB) POLES, THE HOUSING ASSEMBLY FOR THE PPB'S SHALL BE REPLACED WITH A METALLIC HOUSING WITH A COLOR THAT MATCHES COLOR NO. 33538 OF FED-STD-595.
- CONTRACTOR TO PROTECT ANY EXISTING WALLS BEHIND THE SIDEWALK DURING DEMOLITION AND CONSTRUCTION.

CONSTRUCTION STORM WATER PROTECTION NOTES

- TOTAL SITE DISTURBANCE AREA (ACRES): 0.59
HYDROLOGIC UNIT / WATERSHED: PUEBLO SAN DIEGO/SAN DIEGO BAY
HYDROLOGIC SUBAREA AND NO: SEE SHEET INDEX
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE
 - WPCP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100
 - SWPPP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ
TRADITIONAL: RISK LEVEL 1 2 3
LUP: RISK TYPE 1 2 3
- CONSTRUCTION SITE PRIORITY
 ASBS HIGH MEDIUM LOW

GENERAL CURB RAMP NOTES

- THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST (AML).
- CONTRACTOR MAY USE NON-STAINLESS MATERIAL PER CITY'S AML IF THE DWT HAS TO BE TRIMMED TO CONFORM TO THE CURB RAMP CONFIGURATION.
- CONTRACTOR SHALL USE CALTRANS 2018 STANDARD PLANS FOR ALL CURB RAMPS WITHIN CALTRANS RIGHT OF WAY.
- THE CONSTRUCTION OF THE CURB RAMP SHALL NOT AFFECT THE DRAINAGE PATTERN ON THE STREET.
- CONTRACTOR SHALL REPLACE LIFTED, DAMAGED, OR MISSING SIDEWALK PANELS WITHIN THE ENTIRE CURB RETURN AND ALONG THE IMMEDIATE SIDEWALK AREAS LEADING TO THE CURB RETURN.
- COUNTER SLOPES (CURB RAMP SLOPES PLUS STREET SLOPE) WHEN ADDED CANNOT EXCEED 13% WITH THE EXCEPTION OF A TYPE C2 AND CL. ADJUST THE SLOPE OF THE MAIN RAMP IF THE COUNTER SLOPE EXCEEDS 5.0%.
- PROTECT AND KEEP ALL HISTORIC STAMPS 45 YEARS OR OLDER WITHIN SIDEWALK, CURB, AND CURB RAMP AREA.
- ALL CURB RAMPS INCLUDING THE CURB AND GUTTER SHALL BE COLORED FRENCH GRAY (C-14) BY SCOFIELD OR APPROVED EQUAL.
- CONTRACTOR SHALL ADHERE TO THE CENTER CITY STREETSCAPE MANUAL (CCSM) TO MATCH THE EXISTING SURROUNDING COLOR, PATTERN AND TEXTURE ON SIDEWALK PANELS REPLACED OR DISTURBED.
- ADJUST LIMIT LINES SO THAT THEY ARE PLACED BEFORE EACH CURB RAMP. RESTRIPE USING 12" WIDE WHITE THERMOPLASTIC STRIPING.
- PROVIDE A MINIMUM 4' TRANSITION BETWEEN THE CURB RAMP AND ADJACENT SIDEWALK IF THE CROSS SLOPE OF THE SIDEWALK ADJACENT TO THE CURB RAMP IS MORE THAN 2%.
- RETAINING CURB SHALL BE PROVIDED BEHIND THE ENTIRE CURB RETURN IF THE ADJACENT GRADE BEHIND THE SIDEWALK IS HIGHER OR LOWER THAN THE SIDEWALK/CURB RAMP SURFACE. IF HIGHER, THE HEIGHT OF THE CURB RETURN SHALL BE 2" HIGHER THAN THE ADJACENT GRADE.
- CONTRACTOR TO PROVIDE STAMP AT ALL NEW AND REPLACEMENT CURB RAMP LOCATIONS SHOWING CONTRACTORS NAME AND YEAR INSTALLED.
- THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
- RELOCATE EXISTING TRAFFIC SIGNAL LOOPS AS NEEDED PER THE NEW LIMIT LINE LAYOUT, OTHERWISE PROTECT IN PLACE AND REPLACE IN KIND IF DAMAGED.
- RESTORE RED CURB ON ALL PROPOSED CURB RAMPS FROM TOP OF WING, 5LF MINIMUM.
- ALL PROPOSED SAWCUT LIMITS IN THE STREET AREA MUST BE 18" MINIMUM FROM PROPOSED LIP OF GUTTER.
- REPLACE ALL DAMAGED/OLD PULL BOXES WITHIN CURB RAMPS LIMIT PER CURRENT STANDARDS.
- ALL NEW PED PUSH BUTTON HOUSING SHOULD BE COLOR NO. 33538 OF FED-STD 595.
- ALL RECEPTACLES SHALL BE REINSTALLED PER FIGURE T-32 IN (CCDC) CENTER CITY STREETSCAPE MANUAL, UNLESS NOTED OTHERWISE.

SHEET INDEX

SHEET NO.	DISCIPLINE CODE	TITLE	LIMITS	HYDROLOGIC SUBAREA NAME	HYDROLOGIC SUBAREA NUMBER
1	G-1	COVER SHEET			
2-3	G-2 TO G-3	GENERAL NOTES			
4	C-1	BMP MAP FOR STANDARD DEVELOPMENT PROJECTS			
5	C-2	CURB RAMP LOCATIONS	KETTNER BLVD & LAUREL ST TO KETTNER BLVD & KALMIA ST, LAUREL ST & INDIA ST, CALIFORNIA ST & JUNIPER ST	LINDBERGH	908.21
6	C-3	CURB RAMP LOCATIONS	IVY ST & KETTNER BLVD TO IVY ST & COLUMBIA ST, FIR ST & KETTNER BLVD TO FIR ST & INDIA ST, COLUMBIA ST & ELM ST	LINDBERGH	908.21
7	C-4	CURB RAMP LOCATIONS	ASH ST & INDIA ST TO ASH ST & UNION ST, E ST & KETTNER BLVD	LINDBERGH	908.21
8	C-5	CURB RAMP LOCATIONS	G ST & 1ST AVE TO G ST & 5TH AVE	LINDBERGH	908.21
9	C-6	CURB RAMP LOCATIONS	BEECH ST & 7TH AVE TO BEECH ST & 9TH AVE, A ST & 9TH AVE, B ST & 9TH AVE	LINDBERGH	908.21
10	C-7	CURB RAMP LOCATIONS	BROADWAY & 9TH AVE, G ST & 11TH AVE TO G ST & 13TH ST	LINDBERGH	908.21
11	C-8	CURB RAMP LOCATIONS	G ST & 15TH ST TO G ST & 17TH ST	CHOLLAS	908.22
12	C-9	CURB RAMP LOCATIONS	IMPERIAL AVE & 11TH AVE TO IMPERIAL AVE & 16TH ST	CHOLLAS	908.22
13	C-10	CURB RAMP LOCATIONS	5TH AVE & L ST TO TONY GWYNN DR	LINDBERGH	908.21
14	C-11	CURB RAMP LOCATIONS	10TH AVE & K ST, 11TH AVE & K ST, PARK BLVD & K ST	LINDBERGH CHOLLAS	908.21 908.22
15	C-12	CURB RAMP LOCATIONS	BROADWAY & 5TH AVE, BROADWAY CIRCLE, E ST & FRONT ST TO E ST & 1ST AVE	LINDBERGH	908.21
16	C-13	CURB RAMP LOCATIONS	A ST & COLUMBIA ST, C ST & FRONT ST TO C ST & 5TH AVE	LINDBERGH	908.21
17	C-14	CURB RAMP LOCATIONS	MARKET ST & 1ST AVE TO MARKET ST & 2ND AVE, MARKET ST & 11TH AVE TO MARKET ST & PARK BLVD, MARKET ST & 13TH AVE	LINDBERGH CHOLLAS	908.21 908.21
18	C-15	CURB RAMP LOCATIONS	HARBOR DR & MARKET ST TO HARBOR DR & 1ST AVE	LINDBERGH	908.21
19	C-16	CURB RAMP LOCATIONS	COMMERCIAL ST & NATIONAL AVE TO COMMERCIAL ST & 16TH ST	CHOLLAS	908.22
20-74	C-17 TO C-71	CURB RAMP DETAIL	GROUP 1701		
75-79	D-1 TO D-5	DEMOLITION PLANS	GROUP 1701		
80-84	C-72 TO C-76	CURB RAMP DETAIL	GROUP 1701		



TRAFFIC CONTROL NOTES

SEE SHEET G-3

MONUMENTATION / SURVEY NOTES

SEE SHEET G-3

DISCIPLINE CODE

G GENERAL
D DEMOLITION
C CIVIL

FIELD DATA

SEE INDIVIDUAL SHEETS FOR TOPO SOURCE

DECLARATION OF RESPONSIBLE CHARGE

* I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR SHEETS: D-1 TO D-5, AND C-72 TO C-76 WITHIN THIS PROJECT THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE AFOREMENTIONED SHEETS AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

ERIC R. BUCKWALTER

01/21/2022

(ENGINEER'S NAME)

DATE

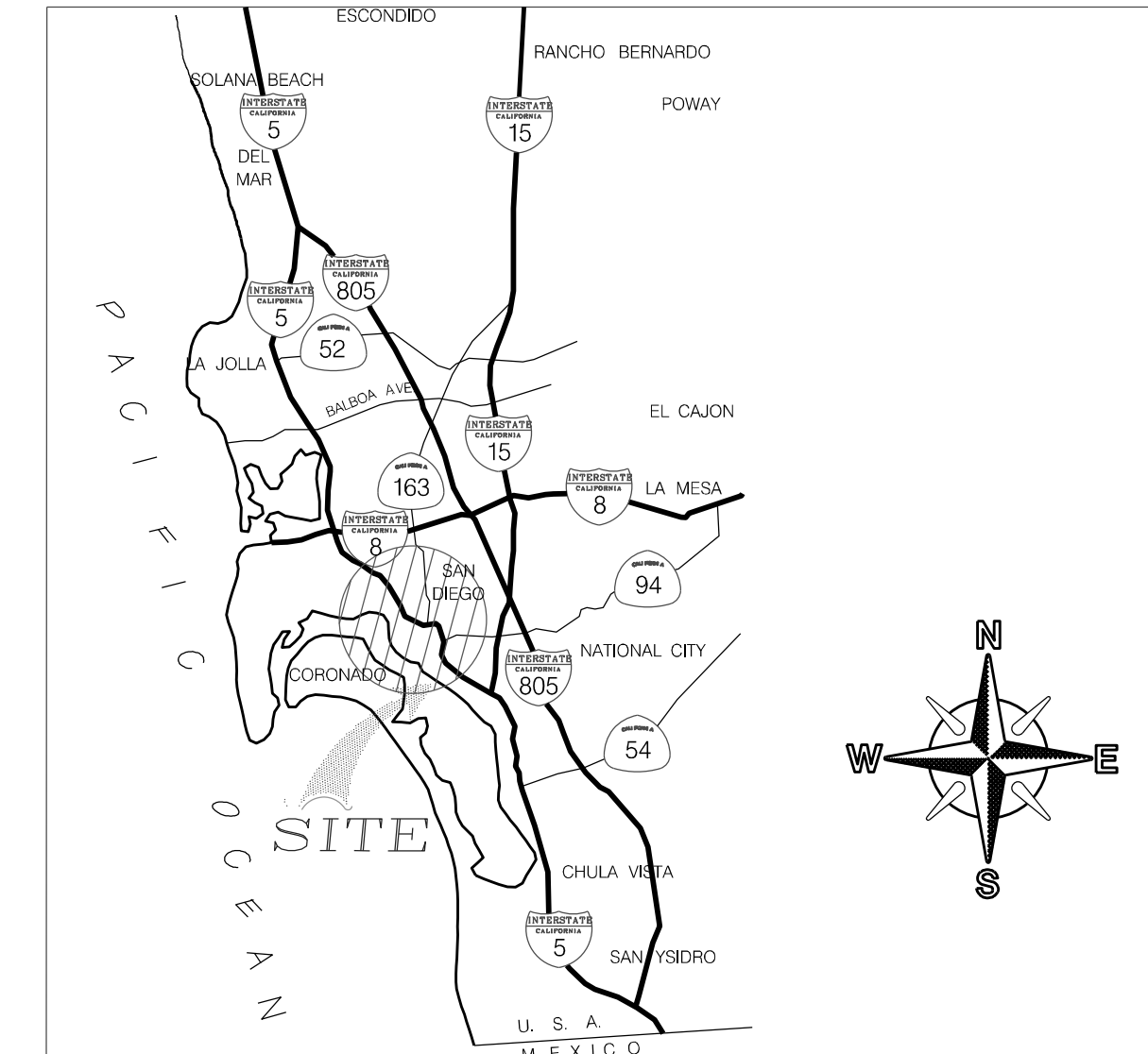


WORK TO BE DONE

THE PROJECT WILL IMPROVE ACCESSIBILITY AND MOBILITY BY UPGRADING NON-ADA COMPLIANT CORNERS WHERE FEASIBLE TO CURRENT DIRECTIONAL CURB RAMP STANDARDS AT 54 INTERSECTIONS THROUGHOUT DOWNTOWN SAN DIEGO. THIS PROJECT PROPOSES INSTALLATIONS OF NEW DIRECTIONAL CURB RAMPS WITH DETECTABLE WARNING TILES TO REPLACE NON COMPLIANT CORNERS WITHIN THE RIGHT OF WAY. THE WORK TO BE DONE INCLUDES DEMOLITION AND REMOVAL OF EXISTING CURB AND GUTTER, NON-COMPLIANT RAMPS, AND SIDEWALKS AFFECTED BY THE CURB RAMP INSTALLATION. IT ALSO INCLUDES INSTALLATION/REPLACEMENT OF TRAFFIC SIGNAL PUSH BUTTON POLES AS THEY RELATE TO INSTALLATION OF DIRECTIONAL CURB RAMPS AND CONTINENTAL CROSSWALKS WHERE REQUIRED. THE PROJECT IS IN THE DOWNTOWN COMMUNITY AREA AND CD 3.

VICINITY MAP

NOT TO SCALE



STREET CLASSIFICATION

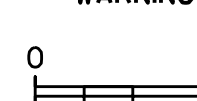
STREET NAME	STREET CLASSIFICATION	ADT
KETTNER BLVD	COLLECTOR (FROM W LAUREL ST TO W G ST)	N/A
INDIA STREET	RESIDENTIAL (FROM LAUREL ST TO W MAPLE ST) COLLECTOR (FROM W LAUREL ST TO W A ST)	N/A
COLUMBIA STREET	RESIDENTIAL (FROM W JUNIPER ST TO W HAWTHORN ST), RESIDENTIAL (FROM W BEECH ST TO W A ST)	N/A
W ASH ST	COLLECTOR (FROM KETTNER BLVD TO STATE ST)	N/A
G STREET	COLLECTOR (FROM 1ST AVE TO 17TH AVE)	N/A
IMPERIAL AVE	MAJOR (FROM 11TH AVE TO 12TH AVE) MAJOR (FROM 13TH ST TO 16TH ST)	N/A
PARK BLVD	MAJOR (FROM IMPERIAL AVE TO 11TH AVE) COLLECTOR (FROM 11TH TO K ST)	N/A
BROADWAY CIR	RESIDENTIAL	N/A
C STREET	N/A (FROM FRONT ST TO 1ST AVE) COLLECTOR (FROM 1ST AVE TO 2ND AVE) RESIDENTIAL (FROM 2ND AVE TO 6TH AVE)	N/A
MARKET ST	MAJOR (FROM 1ST AVE TO 14TH ST)	N/A
HARBOR DR	PRIME (FROM 1ST AVE TO MARKET ST)	N/A
COMMERCIAL ST	RESIDENTIAL (FROM 13TH ST TO 16TH ST)	N/A

G-1

PLANS FOR THE CONSTRUCTION OF CURB RAMP IMPROVEMENT GROUP 1701 COVER SHEET

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.
	1/20/2022	SHEETS 1, 3, 33 AND 45, NEW SHEETS 75-84	

WARNING



IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



CONSULTANT INFORMATION



550 WEST C STREET, SUITE 1200, SAN DIEGO, CA 92101
PHONE: 619-531-4600
FAX: 619-232-1039

SPEC. NO. 2069



CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS DEPARTMENT
SHEET 01 OF 84 SHEETS

WBS* B-17114

APPROVED	DATE	APPROVED	DATE	APPROVED	DATE
FOR CITY ENGINEER	12/10/21	DATE	12/10/21	DATE	
ZACHARIA BARHOUMI	C88902	RCE#			
PRINT DCE NAME					
DESCRIPTION	BY	APPROVED	DATE	FILMED	
ORIGINAL	JM		12/10/21		
ADDENDUM B	JM		01/20/22		
CONTRACTOR	DATE STARTED	INSPECTOR	DATE COMPLETED		

40677-01-D



UPDATE SHEET INDEX, MOVED TRAFFIC CONTROL AND MONUMENTATION NOTES TO SHEET G-3

ADDENDUM B

CURB RAMP IMPROVEMENT GROUP 1701

NCTD GENERAL NOTES

1. IN CASE OF EMERGENCIES AND FOR TRACK AND TRAIN SAFETY CALL NORTH COUNTY TRANSIT DISTRICT (NCTD) 24/7 OPERATIONS CONTROL CENTER AT (760) 966-6700.
2. NO WORK SHALL BE PERFORMED ON NCTD'S RIGHT-OF-WAY (ROW) OR PROPERTY WITHOUT A RIGHT-OF-ENTRY PERMIT. SEE NCTD'S WEBSITE AT GoNCTD.com/working-around-the-rails/#submittals FOR INFORMATION ON PROPERTY ACCESS REQUESTS.
3. ALL PERSONNEL ENTERING NCTD'S ROW OR PROPERTY SHALL COMPLY WITH ALL NCTD REQUIREMENTS. FAILURE TO COMPLY SHALL BE GROUNDS FOR TERMINATION OF WORK AND REVOCATION OF THE RIGHT-OF-ENTRY PERMIT.
4. PRIOR TO ENTERING ONTO THE ROW AND AT THE CONTRACTOR'S EXPENSE, ALL PERSONNEL WORKING IN OR AROUND THE ROW, INCLUDING SUBCONTRACTORS AND THIRD PARTIES, SHALL COMPLETE NCTD'S ROADWAY WORKER PROTECTION (RWP) TRAINING COURSE. RWP TRAINING IS PROVIDED BY NCTD'S RAIL CONTRACTOR. SEE NCTD'S WEBSITE AT GoNCTD.com/working-around-the-rails/#rwp FOR RATES, CLASS TIMES, SCHEDULING, AND CONTACT INFORMATION.
5. ALL PERSONS ENTERING THE RAILROAD ROW SHALL HAVE THE RWP STICKER AFFIXED TO THE RIGHT SIDE OF THEIR HARD HAT AND RWP BADGE IN THEIR POSSESSION.
6. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS SET FORTH BY NCTD, THE RIGHT-OF-ENTRY PERMIT, PROJECT PLANS AND SPECIFICATIONS, AND THE JOB SITE NCTD RAILROAD FLAGMAN/EMPLOYEE-IN-CHARGE (EIC). FAILURE TO COMPLY MAY RESULT IN WORK STOPPAGE OR REMOVAL FROM NCTD PROPERTY.
7. ALL CONTRACTORS PERFORMING WORK ON THE ROW WHOSE DUTIES INCLUDE INSPECTION, CONSTRUCTION, MAINTENANCE OR REPAIR OF RAILROAD TRACK, BRIDGES, ROADWAY, SIGNAL AND COMMUNICATION SYSTEMS, ELECTRIC TRACTION SYSTEMS, ROADWAY FACILITIES OR ROADWAY MAINTENANCE MACHINERY ARE REQUIRED TO SUBMIT TO NCTD A FEDERAL RAILROAD ADMINISTRATION ACCEPTED 49 CFR PART 219 CONTROL OF DRUG AND ALCOHOL USE PLAN, PRIOR TO THE COMMENCEMENT OF ANY WORK.
8. NCTD RAILROAD ROADWAY WORKER FLAG PROTECTION (FLAGGING) IS REQUIRED ANY TIME WHEN WORKING IN THE RAILROAD ROW, OR WORKING ON NON-RAILROAD PROPERTY NEAR OR ADJACENT TO THE ROW WITH THE POTENTIAL TO IMPACT THE RAILROAD TRACKS, OPERATIONS OR INFRASTRUCTURE. A RAILROAD FLAGMAN MAY BE DEFINED AS FLAGMAN, EIC, ROADWAY WORKER IN CHARGE (RWIC), OR WATCHMAN/LOOKOUT/FLAGGER (RAILROAD FLAGMAN). ONLY AN NCTD AUTHORIZED RAILROAD FLAGMAN, PROVIDED BY NCTD'S RAIL CONTRACTOR, IS PERMITTED TO PERFORM FLAGGING WITHIN THE RAILROAD ROW. THE RAILROAD FLAGMAN HAS SOLE RESPONSIBILITY TO PROTECT THE RAILROAD OPERATIONS AND INFRASTRUCTURE. AT ALL TIMES THE CONTRACTOR SHALL FOLLOW THE RAILROAD FLAGMAN'S DIRECTION.
9. THE CONTRACTOR IS RESPONSIBLE FOR REQUESTING FLAGGING SERVICES WITH ADEQUATE NOTICE TO MEET CONTRACTOR'S CONSTRUCTION SCHEDULE. SEE NCTD'S WEBSITE AT GoNCTD.com/working-around-the-rails/#rowss FOR INFORMATION ON REQUESTING SERVICES.
10. THE CONTRACTOR MUST CONTACT DIG ALERT/CALL BEFORE YOU DIG (811) BEFORE ANY EXCAVATIONS OR GRADE LEVEL PENETRATION CAN OCCUR.
11. NCTD UTILITIES WITHIN THE ROW ARE NOT PART OF DIG ALERT/CALL BEFORE YOU DIG (811). NCTD UTILITIES MUST BE MARKED OUT BY NCTD'S RAIL CONTRACTOR. THE CONTRACTOR MUST REQUEST NCTD UTILITY MARK OUT WITH ADEQUATE NOTICE TO MEET CONTRACTOR'S CONSTRUCTION SCHEDULE BEFORE ANY EXCAVATIONS OR ANY GRADE-LEVEL PENETRATION CAN OCCUR. SEE NCTD'S WEBSITE AT GoNCTD.com/working-around-the-rails/#rowss FOR INFORMATION ON REQUESTING SERVICES.
12. THE CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH RWP TRAINING, FLAGGING, UTILITY MARK OUT, INSPECTIONS, AND REVIEWS, AS REQUIRED BY NCTD POLICY AND/OR THE RIGHT-OF-ENTRY PERMIT.
13. THE CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR EACH EQUIPMENT OPERATOR TO HAVE CONSTANT AND DIRECT RADIO COMMUNICATIONS WITH THEIR FOREMAN AND RAILROAD FLAGMAN.
14. THE CONTRACTOR SHALL HAVE THE PERMITTED STAMPED SET OF PLANS ON-SITE. WORK WILL BE TERMINATED BY NCTD SHOULD NO STAMPED PLANS BE ON-SITE.
15. ALL WORK ON OR ADJACENT TO THE SAN DIEGO TROLLEY SHALL ALSO ADHERE TO NCTD REQUIREMENTS.
16. THE CONTRACTOR SHALL CONTACT NCTD 72-HOURS IN ADVANCE FOR ANY INSPECTIONS REQUIRED IN THE PERMIT.
17. UPON PROJECT COMPLETION THE NCTD ROW SHALL BE LEFT IN AS GOOD IF NOT BETTER CONDITION AS PRIOR TO THE START OF THE PROJECT. THE CONTRACTOR SHALL RESTORE ALL DISTURBED OR DAMAGED AREA AND FACILITIES AS DIRECTED BY NCTD AT THE CONTRACTOR'S EXPENSE.
18. NCTD ROW AND PROPERTY SHALL NOT BE USED FOR STORAGE OR DISPOSAL OF SPOILS.

GENERAL NOTES/CONTRACTOR NOTES:

1. FOR ANY WORK ADJACENT TO RAILS, CONTRACTOR TO REFER TO THE REQUIREMENTS NOTED IN THE CALIFORNIA MUTCD, PART 8, TRAFFIC CONTROL FOR RAILROAD AND LIGHT RAIL TRANSIT GRADE CROSSING.
2. CONTRACTOR SHALL COORDINATE WORK WITH MTS PRIOR TO ANY DEMOLITION.
3. CONTRACTOR SHALL COORDINATE WORK WITH NCTD PRIOR TO ANY DEMOLITION.
4. CONTRACTOR SHALL OBTAIN A JOINT RIGHT OF ENTRY PERMIT PRIOR TO STARTING ANY WORK ON MTS PROPERTY AND/OR OPERATING RIGHT OF WAY.

TABLE 1: SIDEWALK FINISH (PER CCDC STREETSCAPE MANUAL)

SIDEWALK PAVING TYPE	CURB RAMP NUMBER
LITTLE ITALY PAVING	2, 4, 5, 7 TO 10, 12, 13, 16, 17, 19, 20, 21, 22, 24
CCDC BRICK PAVING	25, 26, 27, 31, 32 33, 35, 36
CHILDREN'S PARK PAVING	44, 127, 128, 130, 150, 153
CHILDREN'S PARK PAVING/ MARKET STREET PAVING	129
GASLAMP QUARTER PAVING	51, 89
GATEWAY PAVING	59, 60
BROADWAY PAVING	64, 105, 106
BALLPARK DISTRICT PAVING	74, 75, 78, 79, 80, 91 TO 104
MARKET STREET PAVING	131, 132, 133, 136 TO 143
CCDC STANDARD PAVING	39, 40 42, 43, 52, 55, 56, 61, 62, 63, 67, 70 TO 73, 76, 77, 81, 82, 86, 87, 88, 159, 160, 161
MATCH EXISTING	1, 3, 6, 11, 14, 15, 18, 23, 28, 29, 30, 34, 37, 38, 41, 45 TO 50, 53, 54, 57, 58, 65, 66, 68, 69, 83, 84, 85, 90, 107 TO 126, 134, 135, 144 TO 149, 151, 152, 154 TO 158

TRAFFIC CONTROL NOTES

THE CONTRACTOR SHALL, PER SECTION 601-2 OF THE CITY SUPPLEMENT TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, PREPARE TRAFFIC CONTROL WORKING DRAWINGS AND SUBMIT THEM TO THE RESIDENT ENGINEER, WHO WILL THEN ROUTE THEM TO THE PUBLIC WORKS TRAFFIC CONTROL SECTION FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL ALLOW A MINIMUM OF TWENTY (20) WORKING DAYS FOR REVIEW OF THE WORKING DRAWINGS. UPON APPROVAL OF THE TRAFFIC CONTROL WORKING DRAWINGS, THE PUBLIC WORKS TRAFFIC CONTROL SECTION WILL ISSUE A TRAFFIC CONTROL PLAN (TCP) PERMIT. WORK SHALL NOT BEGIN IN THE PUBLIC RIGHT OF WAY WITHOUT THE TCP PERMIT.

MONUMENTATION /SURVEY NOTES


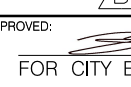

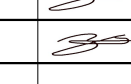
THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

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.

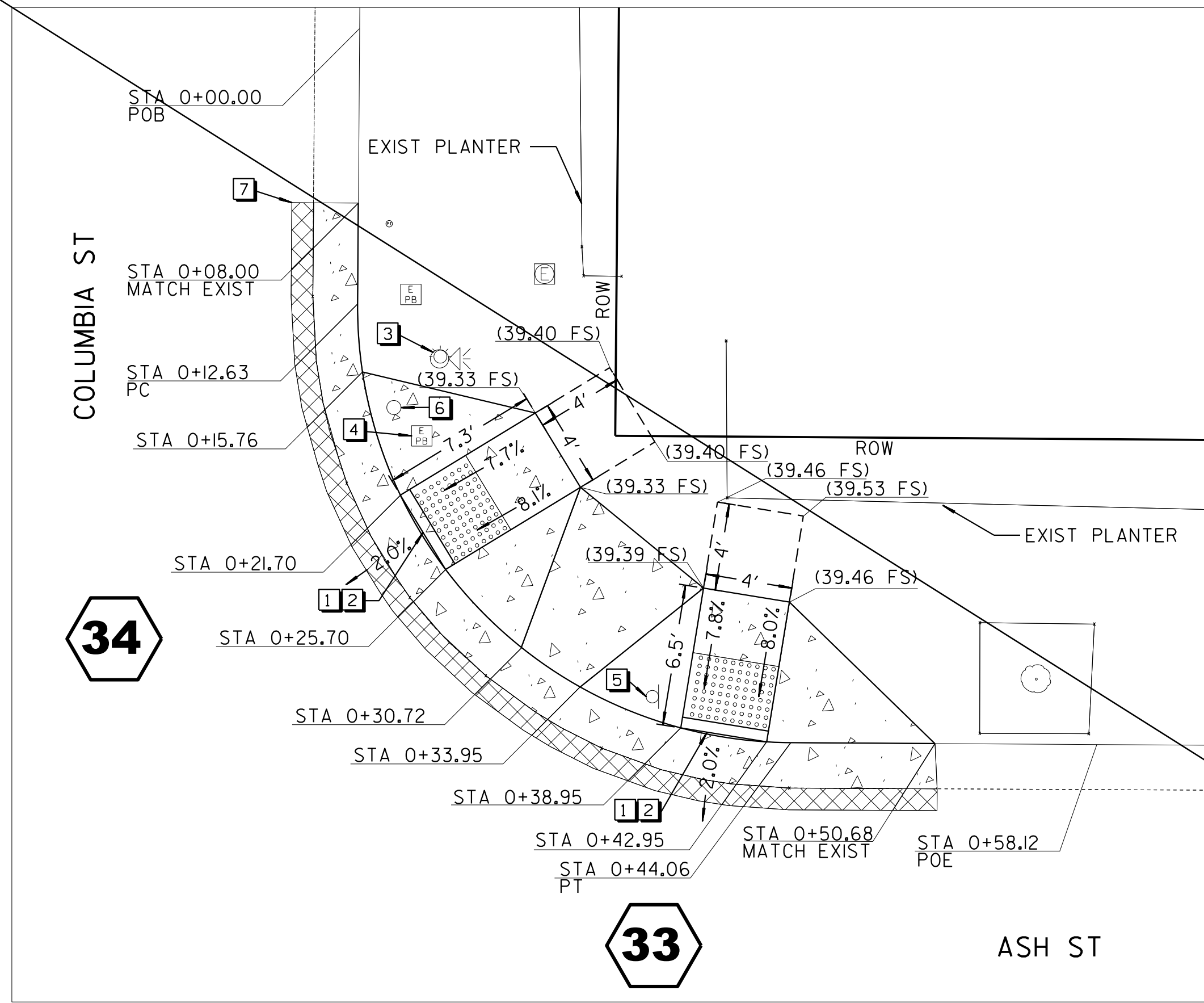
IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED 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.

G-3

CURB RAMP IMPROVEMENT GROUP 1701
CONSTRUCTION NOTES

		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT (SHEET 03 OF 84 SHEETS)		WBS# B-17114
APPROVED:  FOR CITY ENGINEER ZACHARIA BARHOUM PRINT DCE NAME		DATE: 12/10/2021 C88902 RCE#		SUBMITTED BY: AVEEN SALEH PROJECT MANAGER
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	JM		12/10/21	
ADDENDUM B	JM		01/20/22	
CONTRACTOR _____ INSPECTOR _____				DATE STARTED _____ DATE COMPLETED _____
				40677-03-D

GENERAL NOTES



ASH ST AND COLUMBIA ST NE CORNER DUAL RAMP
SCALE: 1"=5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132, SDG-134 AND DETAIL. TIE IN NEW RAMP TO 4" THICK MINIMUM EXIST CONCRETE LANDING AREA BY DOWELING #3 REBAR @ 24" O.C. BOTH WAYS PER DETAIL B-2 IN THE CCSM MANUAL.
- 2 CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETScape MANUAL (CCSM) FOR "CCDC BRICK PAVING" SIDEWALK PATTERN AND TREATMENT.
- 3 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 4 PROTECT EXIST UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 5 REMOVE AND REINSTALL SIGN POST AND SIGN PER SDM-104.
- 6 EXIST SURVEY MONUMENT TO BE PERPETUATED.
- 7 SAWCUT 18" FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE.

CURB ALIGNMENT DATA:

ASH ST AND COLUMBIA ST-NORTHEAST CORNER	
HORIZONTAL ALIGNMENT	
Alignment: NEC Ash and Columbia TC Proposed	
POINT STATION	NORTHING (Y) EASTING (X) ELEMENT BRG/DELTA DIST/LENGTH
POB 0+00.00	1842997.57 6279532.36 STRAIGHT 3.15 D = 12.63
PC 0+12.63	1842984.95 6279532.28 R = -20.00 DELTA = 1.57 LT L = 31.43
PT 0+44.06	1842964.81 6279552.16 STRAIGHT 1.58 D = 14.06
POE 0+58.12	1842964.73 6279566.22

VOID - REPLACED
BY SHEET 80

FIELD DATA:

TOPOGRAPHY SOURCE:

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON FEBRUARY 02, 2021, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 SITE 4.

REFERENCES:

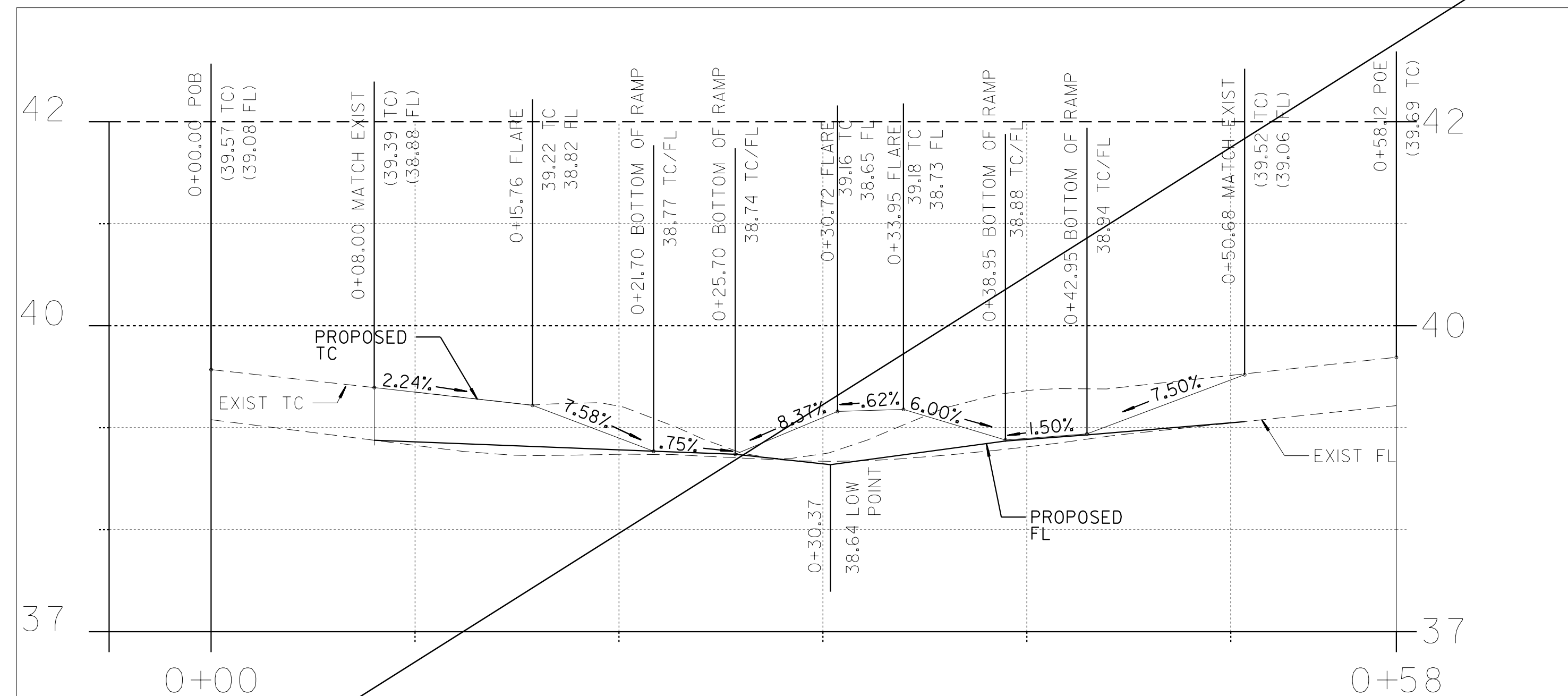
SUBDIVISION MAP MIDDLETON MAP
PARCEL MAP 19501
RECORD OF SURVEY 8926, 23533, 23640
CORNER RECORD 25081, 29898, 35452, 37209, 38685, 45651

BASIS OF BEARINGS/COORDINATES:

The Basis of Bearings for this project was derived from a previous STATIC GPS Survey using R.of S.14492 NAD 83 feet, Zone 6 (epoch 1991.35), utilizing RTK/GPS field procedures with a CALVRS Base Station broadcast of 2018 and constraining to GPS I73 AND GPS I7 (PT #20017), I.E. N 4° 04' 52" W.

BENCH:

SWBP HAWTHORN/PACIFIC HIGHWAY (PT #50)
Elev. 14,239 MSL, Based on NGVD 29 FEET as shown in the City of San Diego Bench Book



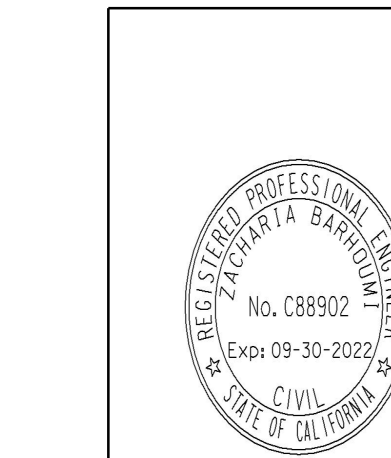
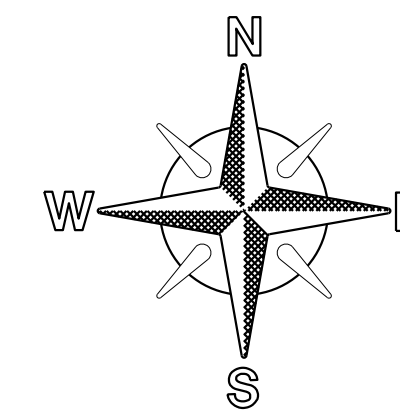
PROFILE AT TC

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

C-30

CURB RAMP IMPROVEMENT GROUP 1701
CURB RAMP DETAIL
ASH ST AND COLUMBIA ST - NEC

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 33 OF 74 SHEETS		WBS# B-17114		
APPROVED: 12/10/2021 FOR CITY ENGINEER ZACHARIA BARHOLIMI PRINT DCE NAME	DATE 12/10/21 C88912 RCE#	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER CHRIS DARQUEA PROJECT ENGINEER		
DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	CD		12/10/21	202-1713
ADDENDUM B	CD		01/20/22	CCS27 COORDINATE
		DATE STARTED		6274407-1842444
CONTRACTOR		DATE COMPLETED		CCS83 COORDINATE
INSPECTOR				40677-33-D

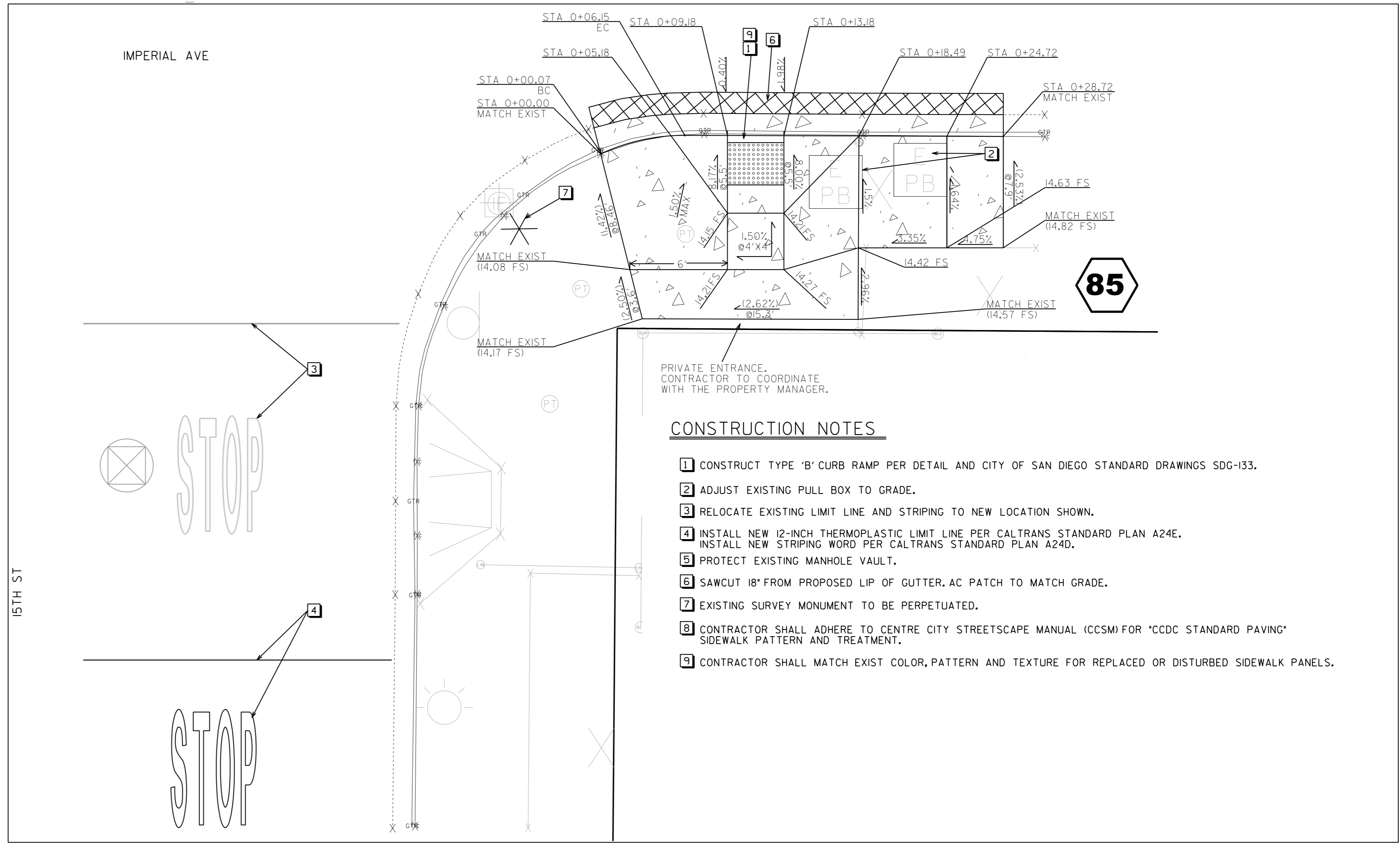


VOID - REPLACED BY SHEET 80

ADDENDUM B

CURB RAMP DETAIL

FOR CURB RAMP 82,
SEE SHEET 83



CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE 'B' CURB RAMP PER DETAIL AND CITY OF SAN DIEGO STANDARD DRAWINGS SDG-133.
- 2 ADJUST EXISTING PULL BOX TO GRADE.
- 3 RELOCATE EXISTING LIMIT LINE AND STRIPING TO NEW LOCATION SHOWN.
- 4 INSTALL NEW 12-INCH THERMOPLASTIC LIMIT LINE PER CALTRANS STANDARD PLAN A24E. INSTALL NEW STRIPING WORD PER CALTRANS STANDARD PLAN A24D.
- 5 PROTECT EXISTING MANHOLE VAULT.
- 6 SAWCUT 18" FROM PROPOSED LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 7 EXISTING SURVEY MONUMENT TO BE PERPETUATED.
- 8 CONTRACTOR SHALL ADHERE TO CENTRE CITY STREETScape MANUAL (CCSM) FOR 'CCDC STANDARD PAVING' SIDEWALK PATTERN AND TREATMENT.
- 9 CONTRACTOR SHALL MATCH EXIST COLOR, PATTERN AND TEXTURE FOR REPLACED OR DISTURBED SIDEWALK PANELS.

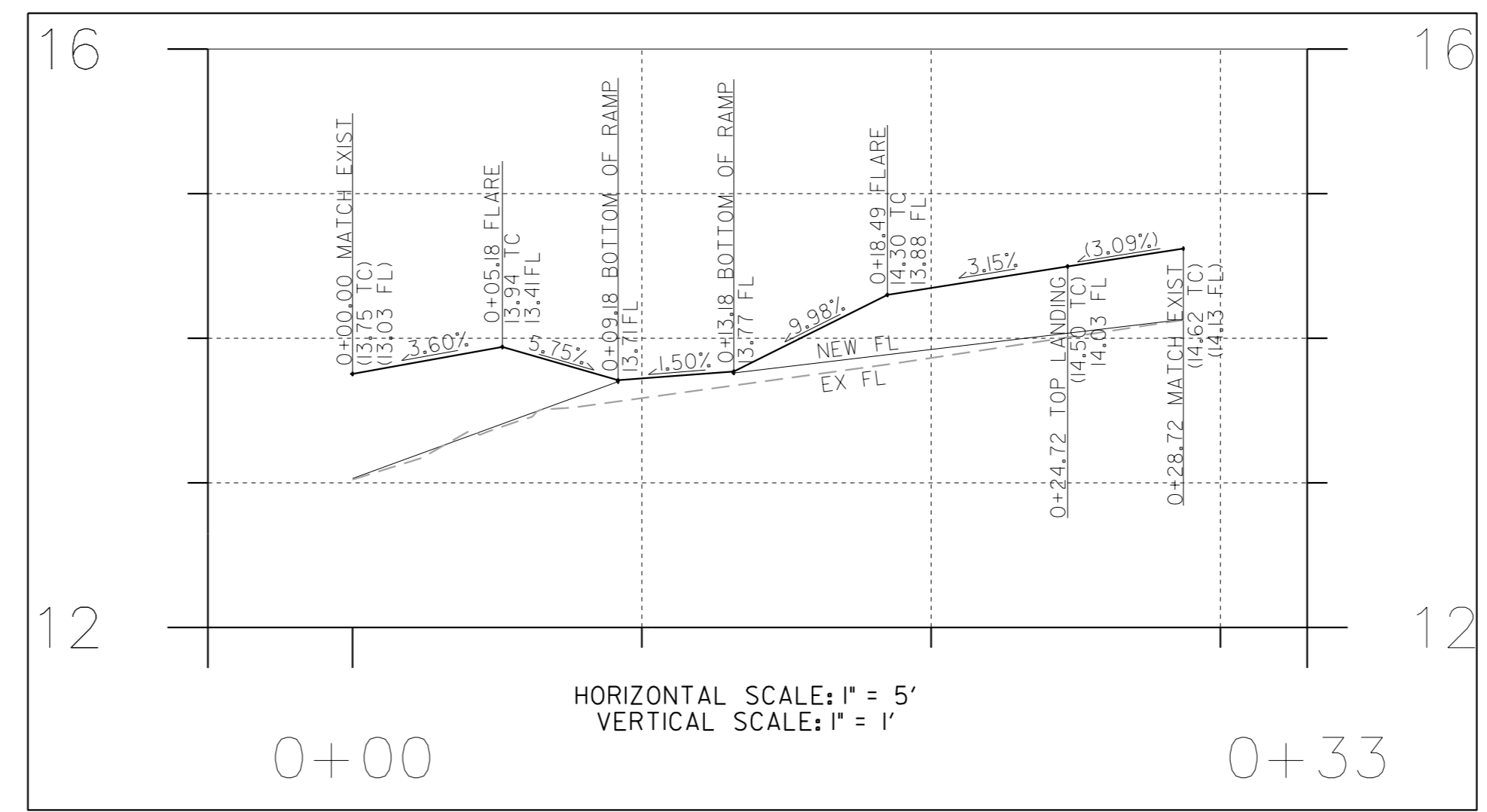
SOUTHEAST SIDE TYPE "B" CURB RAMP
SCALE: 1"=5'

CURB ALIGNMENT DATA	
IMPERIAL AVE & 15TH ST SOUTHEAST CORNER	
HORIZONTAL ALIGNMENT	
ALIGNMENT: Imperial & 15th SE	
POB	0+00.00 1837922.81 6284743.68
	STRAIGHT N 65° 18' 42.82" E D = 0.07
PC	0+00.07 1837922.84 6284743.74
	R = +14.00 DELTA = 24° 52' 33.13" RT L = 6.08
PT	0+06.15 1837924.12 6284749.64
	STRAIGHT S 89° 48' 44.04" E D = 22.57
POE	0+28.72 1837924.05 6284772.21

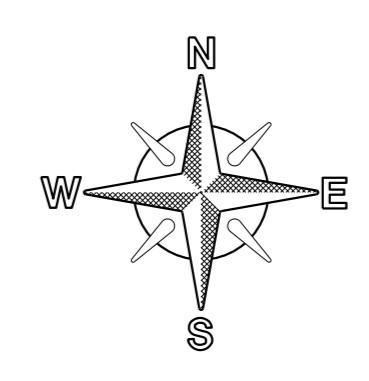
TOPOGRAPHY SOURCE
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON MARCH 3, 2019. WORK ORDER NO. B-17114, CURB RAMP IMPROVEMENT GROUP 1701, AREA 8 SITE 2, VIC: IMPERIAL AVE. & 15TH ST.

BENCHMARK
SEBP IMPERIAL AVE. & 13TH ST. (PT*3)
ELEV. 8.892 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING RECORD OF SURVEY 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 1137, I.E. N56° 10' 28"E.



SE RAMP PROFILE AT TC

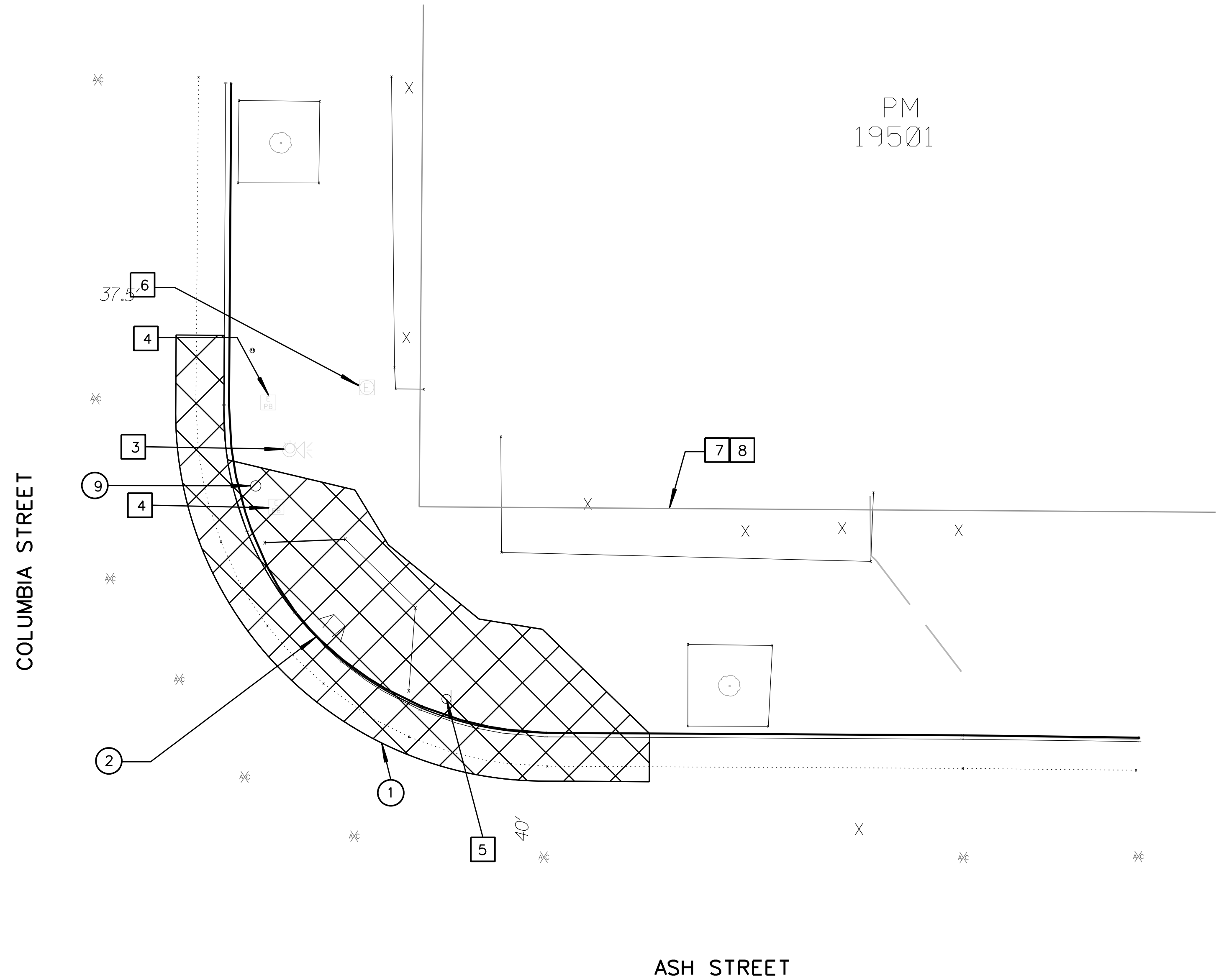


C-42			
CURB RAMP IMPROVEMENT GROUP 1701			
CURB RAMP DETAIL			
IMPERIAL AVE AND 15TH ST – SOUTH SIDE			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT (SHEET 45 OF 84 SHEETS)			WBS# B-17114
APPROVED FOR CITY ENGINEER ZACHARIA BARKHOUM PRINT DGE NAME	DATE 12/10/2021 C88902 RCE#	SUBMITTED BY AVEEN SALEH PROJECT MANAGER	
DESCRIPTION	BY	APPROVED	DATE FILMED
ORIGINAL	JK		12/10/21
ADDENDUM B	CD		
			JINSIL KIM PROJECT ENGINEER
			194-1719 CCS27 COORDINATE
			1834-6280 CCS83 COORDINATE
CONTRACTOR	INSPECTOR	DATE STARTED	DATE COMPLETED
			40677-45-D

UPDATE SHEET NUMBER, MOVED RAMP #82 TO NEW SHEET 83

ADDENDUM B

CURB RAMP DETAIL

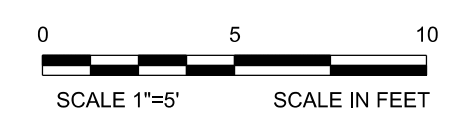
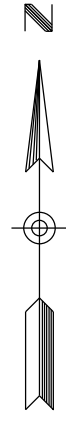


PM
19501

COLUMBIA STREET

ASH STREET

NORTHEAST CORNER OF COLUMBIA AND ASH STREET



- DEMOLITION NOTES**
- ① LIMITS OF REMOVAL, SEE NOTE 2
 - ② EXISTING RAMP TO BE REMOVED
 - ③ EXISTING TRAFFIC SIGNAL, PROTECT IN PLACE
 - ④ EXISTING PULLBOX, PROTECT IN PLACE
 - ⑤ EXISTING SIGN, PROTECT IN PLACE
 - ⑥ EXISTING ELECTRICAL VAULT, PROTECT IN PLACE
 - ⑦ EXISTING RIGHT OF WAY LIMITS
 - ⑧ EXISTING BUILDING, PROTECT IN PLACE
 - ⑨ EXISTING SURVEY MONUMENT, TO BE RESET

NOTES:

1. REFER TO SHEET C-72 FOR HORIZONTAL ALIGNMENT REPORT.
2. TO AVOID POSSIBLE DAMAGES TO THE UNDERGROUND STRUCTURE, EXISTING CONCRETE SHOULD BE REMOVED BY SAW CUTTING AND CAREFULLY CHIPPING THE CONCRETE LAYER TO A MAXIMUM DEPTH OF 2" BELOW PROPOSED RAMP SLOPE AND FLARE AREAS FOR RAMP ID 34 AND 4" FOR RAMP ID 33 AND IN SIDEWALK AREA. SEE "SECTION B-B" ON SHEET C-72 FOR DETAILS.

D-1

CURB RAMP IMPROVEMENT GROUP 1701 DEMOLITION	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 75 OF 85 SHEETS	
APPROVED:	DATE: 02/03/2022
FOR CITY ENGINEER: ZACHARIA BARHOLMI PRINT DCE NAME	DATE: 02/03/22 DATE COMPLETED: _____
DATE: 02/03/22	DATE COMPLETED: _____
DATE COMPLETED: _____	DATE COMPLETED: _____

CONSULTANT

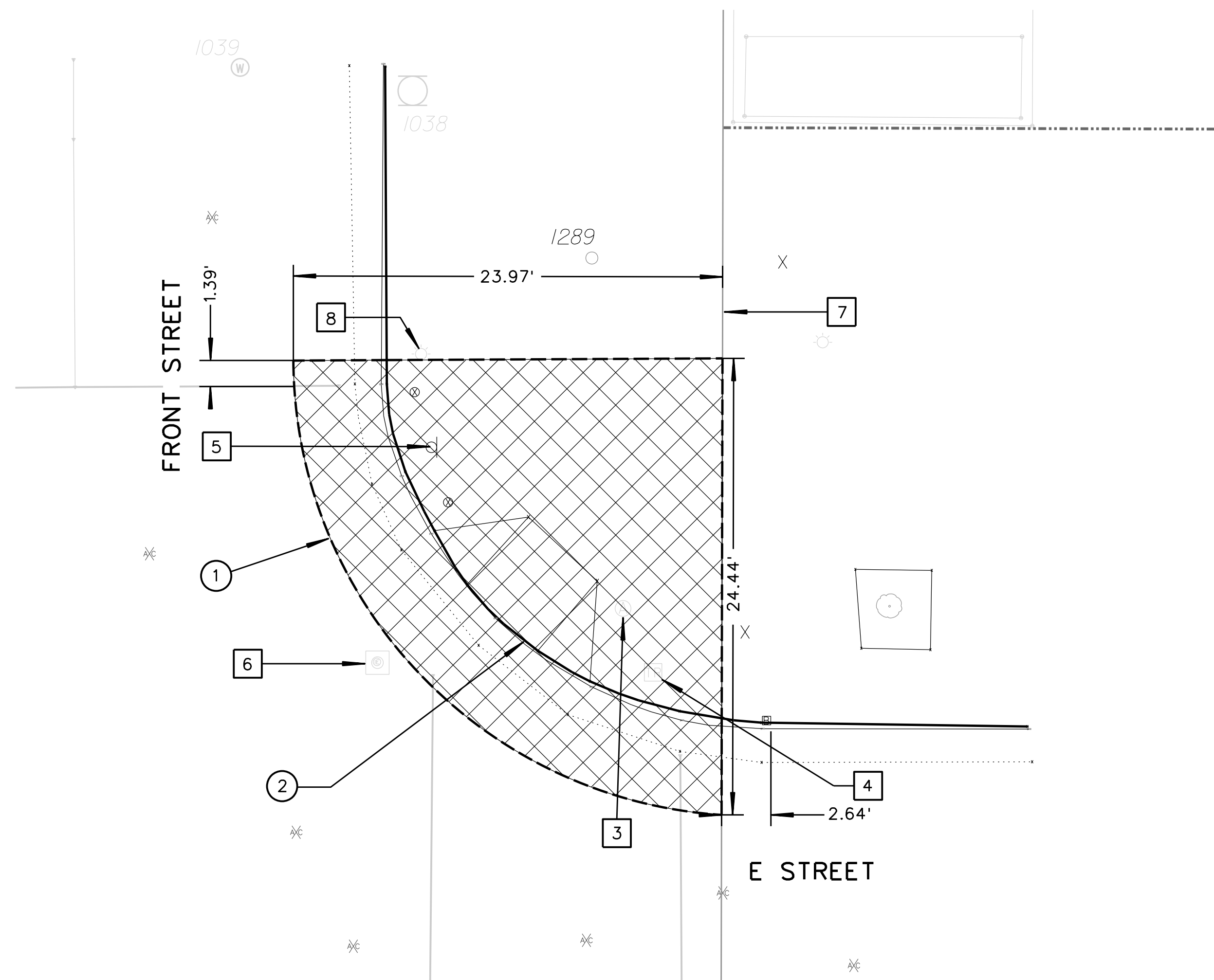
KLEINFELDER
Bright people. Right Solutions.

550 WEST C STREET, SUITE 1200, SAN DIEGO, CA 92101
PHONE: 619-831-4600
FAX: 619-232-1039



DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	KLF			
ADDENDUM B	KLF		02/03/22	

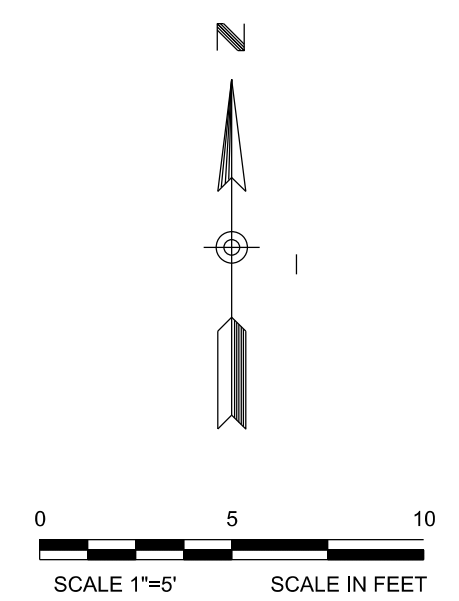
DEMOLITION



NORTHEAST CORNER OF E STREET AND FRONT STREET

- DEMOLITION NOTES**
- ① LIMITS OF REMOVAL, SEE NOTE 2
 - ② EXISTING RAMP TO BE REMOVED
 - ③ EXISTING TRAFFIC SIGNAL, PROTECT IN PLACE
 - ④ EXISTING PULLBOX, PROTECT IN PLACE
 - ⑤ EXISTING PEDESTRIAN BARRICADE & SIGN, PROTECT IN PLACE
 - ⑥ EXISTING MANHOLE, PROTECT IN PLACE
 - ⑦ EXISTING RIGHT OF WAY LIMITS
 - ⑧ EXISTING STREET LIGHT, PROTECT IN PLACE

- NOTES:**
1. REFER TO SHEET C-73 FOR HORIZONTAL ALIGNMENT REPORT.
 2. TO AVOID POSSIBLE DAMAGES TO THE UNDERGROUND STRUCTURE, EXISTING CONCRETE SHOULD BE REMOVED BY SAW CUTTING AND CAREFULLY CHIPPING THE CONCRETE LAYER TO A MAXIMUM DEPTH OF 4".



D-2

CURB RAMP IMPROVEMENT GROUP 1701 DEMOLITION		WBS B-17114	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 76 OF 85 SHEETS			
APPROVED:	DATE	SUBMITTED BY:	
FOR CITY ENGINEER ZACHARIA BARHOLMI PRINT DCE NAME	02/03/2022 DATE C28502 RCE#	AVEEN SALEH PROJECT MANAGER	
DESCRIPTION	BY	APPROVED	DATE FILMED
ORIGINAL	KLF		
ADDENDUM B	KLF		02/03/22
CONTRACTOR		DATE STARTED	DATE COMPLETED
INSPECTOR			
		40677-76-D	

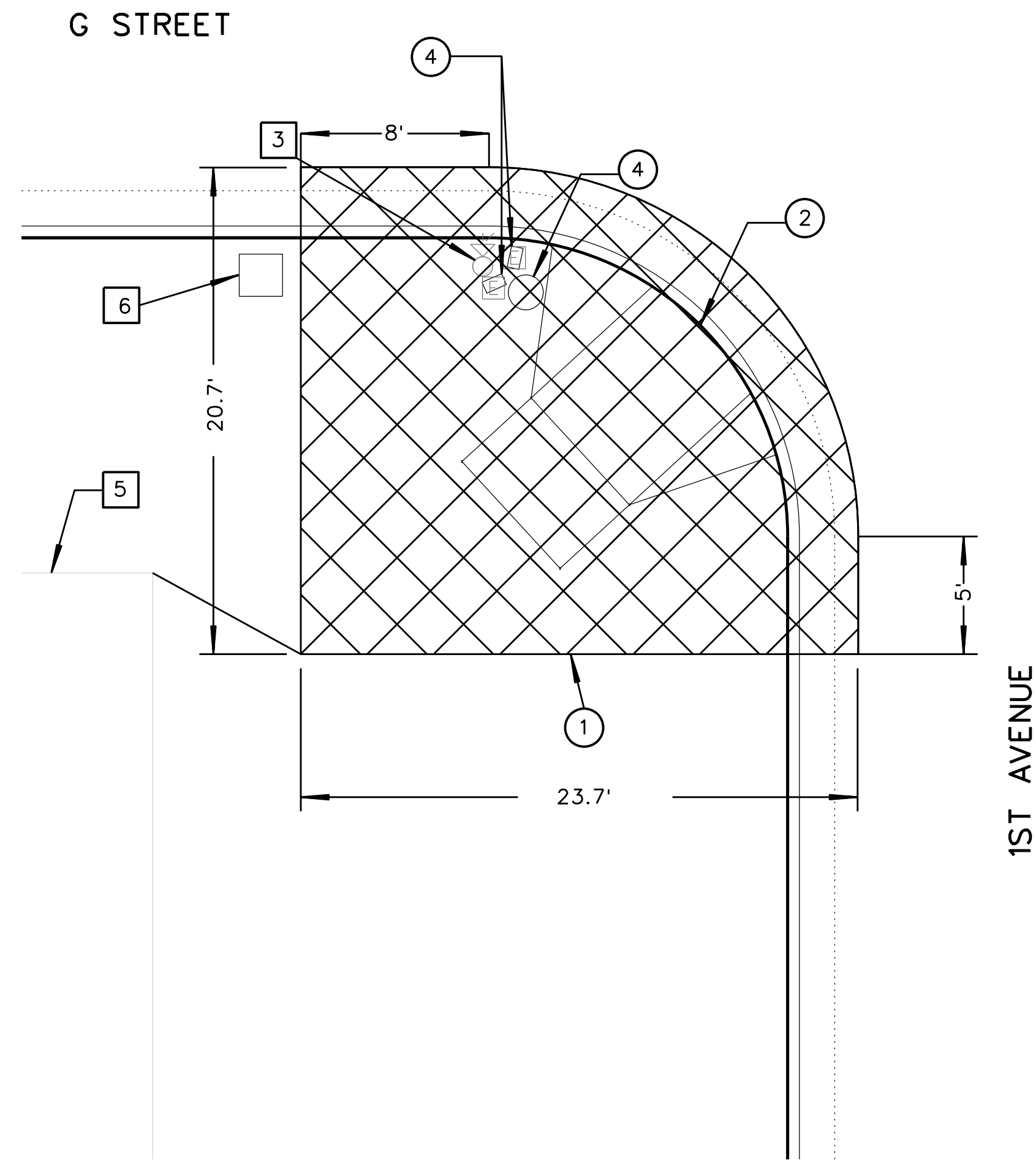
CONSULTANT

KLEINFELDER
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550 WEST C STREET, SUITE 1200, SAN DIEGO, CA 92101
PHONE: 619-831-4600
FAX: 619-232-1039

02/03/2022

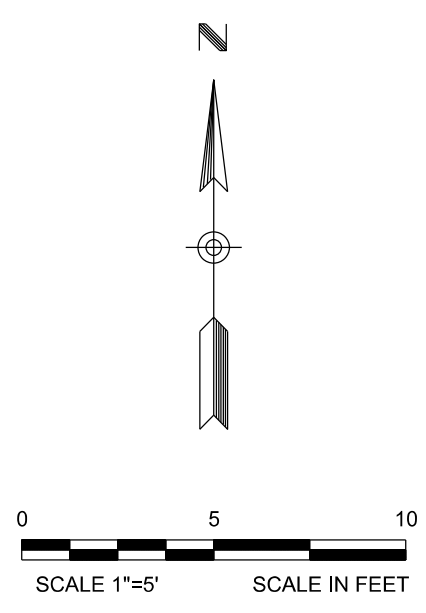
DEMOLITION



- DEMOLITION NOTES**
- ① LIMITS OF REMOVAL
 - ② EXISTING RAMP TO BE REMOVED
 - ③ EXISTING TRAFFIC SIGNAL, PROTECT IN PLACE
 - ④ EXISTING PULLBOX, PROTECT IN PLACE
 - ⑤ EXISTING BUILDING, PROTECT IN PLACE
 - ⑥ EXISTING SIGNAL CABINET, PROTECT IN PLACE

- NOTES:**
1. REFER TO SHEET C-74 FOR HORIZONTAL ALIGNMENT REPORT.
 2. TO AVOID POSSIBLE DAMAGES TO THE UNDERGROUND STRUCTURE, EXISTING CONCRETE SHOULD BE REMOVED BY SAW CUTTING AND CAREFULLY CHIPPING THE CONCRETE LAYER TO A MAXIMUM DEPTH OF 4".

SOUTHWEST CORNER OF G STREET AND 1ST AVENUE



D-3

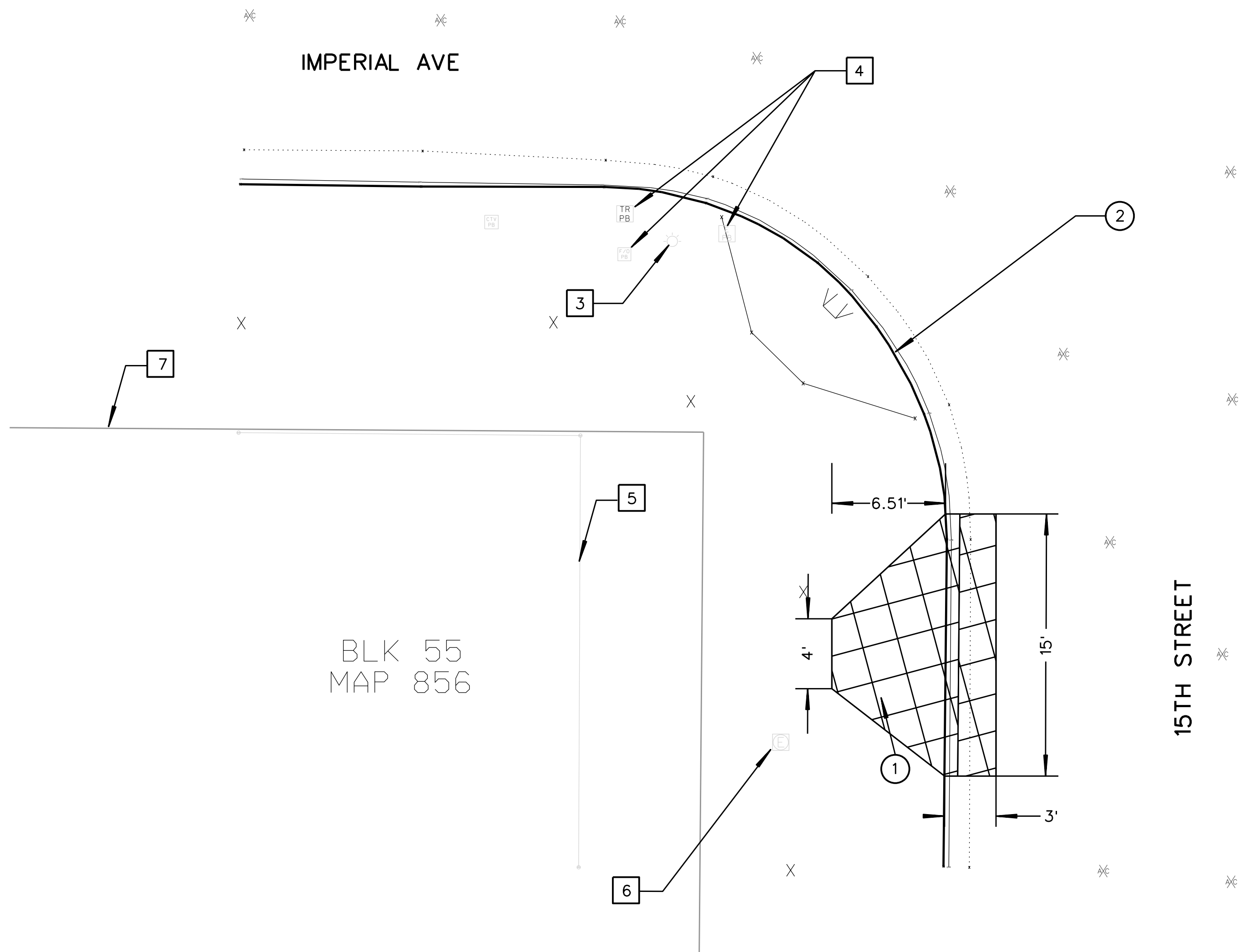
CURB RAMP IMPROVEMENT GROUP 1701 DEMOLITION				
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 77 OF 85 SHEETS				
WBS B-17114	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER			
APPROVED: DATE: 02/03/2022	FOR CITY ENGINEER: ZACHARIA BARHOLAMI DATE: 02/03/22 PRINT DCE NAME: C28592 RCE#:			
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	KLF			
ADDENDUM B	KLF		02/03/22	
		DATE STARTED		DATE COMPLETED
				40677-77-D

CONSULTANT

KLEINFELDER
Bright people. Right Solutions.

550 WEST C STREET, SUITE 1200, SAN DIEGO, CA 92101
PHONE: 619-831-4600
FAX: 619-232-1039

DEMOLITION



SOUTHWEST CORNER OF IMPERIAL AVENUE AND 15TH STREET

- DEMOLITION NOTES**
- ① LIMITS OF REMOVAL, SEE NOTE 2
 - ② EXISTING RAMP TO BE REMOVED
 - ③ EXISTING STREET LIGHT, PROTECT IN PLACE
 - ④ EXISTING PULLBOX, PROTECT IN PLACE
 - ⑤ EXISTING BUILDING, PROTECT IN PLACE
 - ⑥ EXISTING ELECTRICAL MANHOLE, PROTECT IN PLACE
 - ⑦ EXISTING RIGHT OF WAY LIMITS

- NOTES:**
1. REFER TO SHEET C-75 FOR HORIZONTAL ALIGNMENT REPORT.
 2. TO AVOID POSSIBLE DAMAGES TO THE UNDERGROUND STRUCTURE, EXISTING CONCRETE SHOULD BE REMOVED BY SAW CUTTING AND CAREFULLY CHIPPING THE CONCRETE LAYER TO A MAXIMUM DEPTH OF 2" IN RAMP SLOPE AND FLARE AREAS AT RAMP ID 82. SEE SHEET C-75 FOR DETAILS.

D-4

CURB RAMP IMPROVEMENT GROUP 1701 DEMOLITION				
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 78 OF 85 SHEETS				
WBS B-17114				
APPROVED:	DATE: 02/03/2022			
FOR CITY ENGINEER: ZACHARIA BARHOUMI PRINT DCE NAME: C28902 RCE#:	DATE: 02/03/22			
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	KLF			
ADDENDUM B	KLF		02/03/22	
CONTRACTOR: _____		DATE STARTED: _____		40677-78 -D
INSPECTOR: _____		DATE COMPLETED: _____		

CONSULTANT

KLEINFELDER
Bright people. Right Solutions.

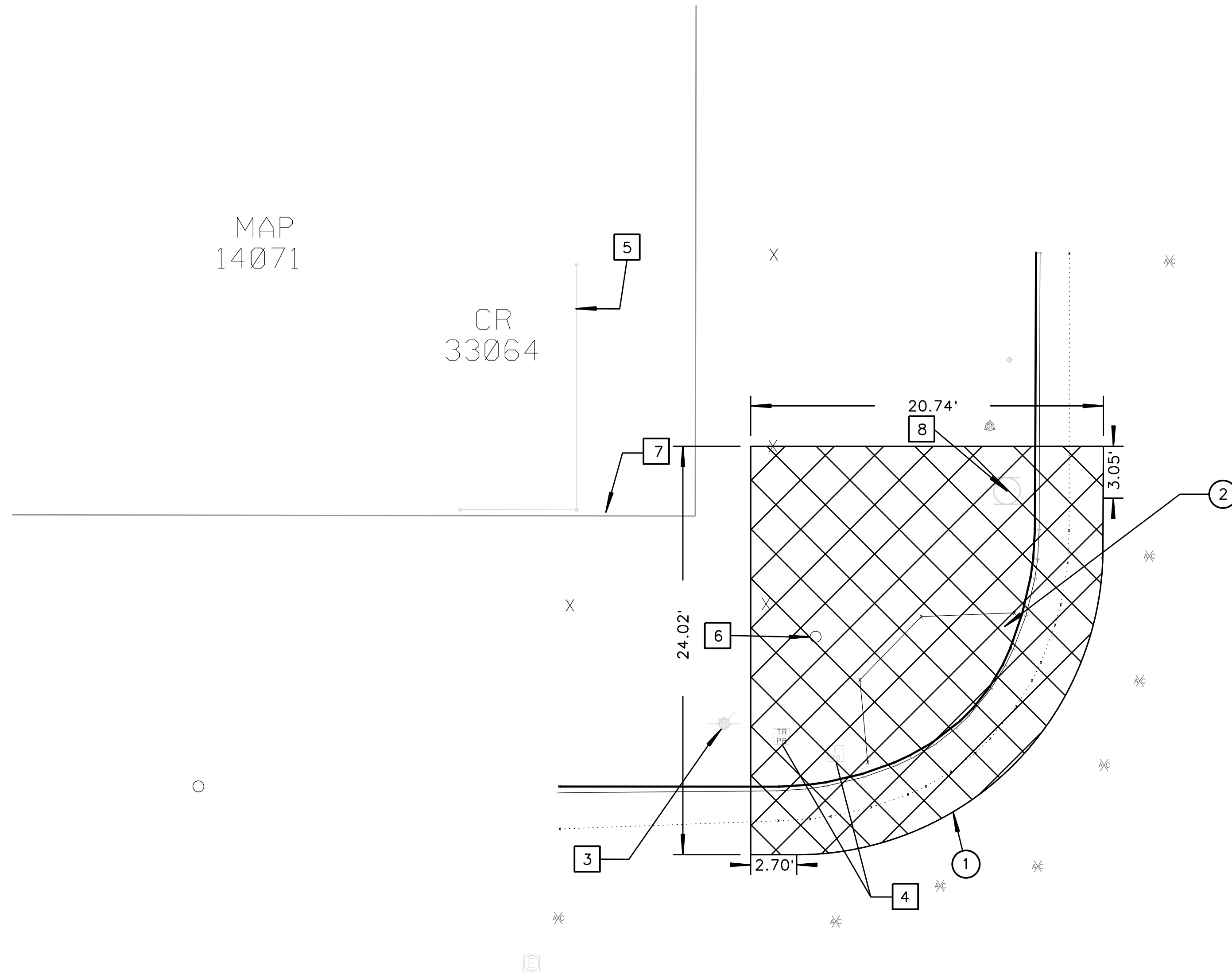
550 WEST C STREET, SUITE 1200, SAN DIEGO, CA 92101
PHONE: 619-831-4600
FAX: 619-232-1039

02/03/2022

DEMOLITION

MAP
14071

CR
33064



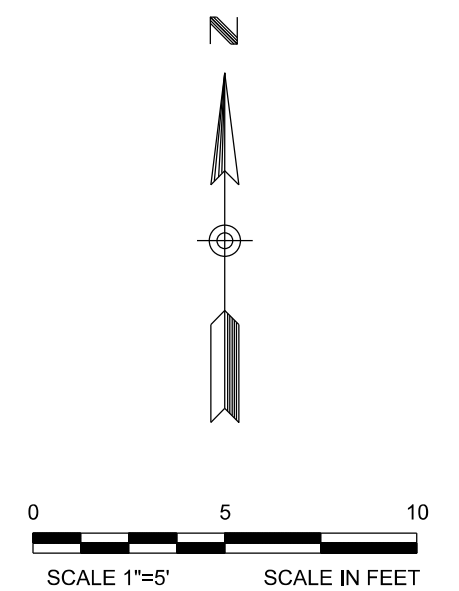
NORTHWEST CORNER OF MARKET ST AND 1ST AVE

DEMOLITION NOTES

- ① LIMITS OF REMOVAL, SEE NOTE 2
- ② EXISTING RAMP TO BE REMOVED
- ③ EXISTING STREET & TRAFFIC LIGHT, PROTECT IN PLACE
- ④ EXISTING PULLBOX, PROTECT IN PLACE
- ⑤ EXISTING BUILDING, PROTECT IN PLACE
- ⑥ EXISTING SURVEY MARKER, PROTECT IN PLACE
- ⑦ EXISTING RIGHT OF WAY LIMITS
- ⑧ EXISTING FIRE HYDRANT, PROTECT IN PLACE

NOTES:

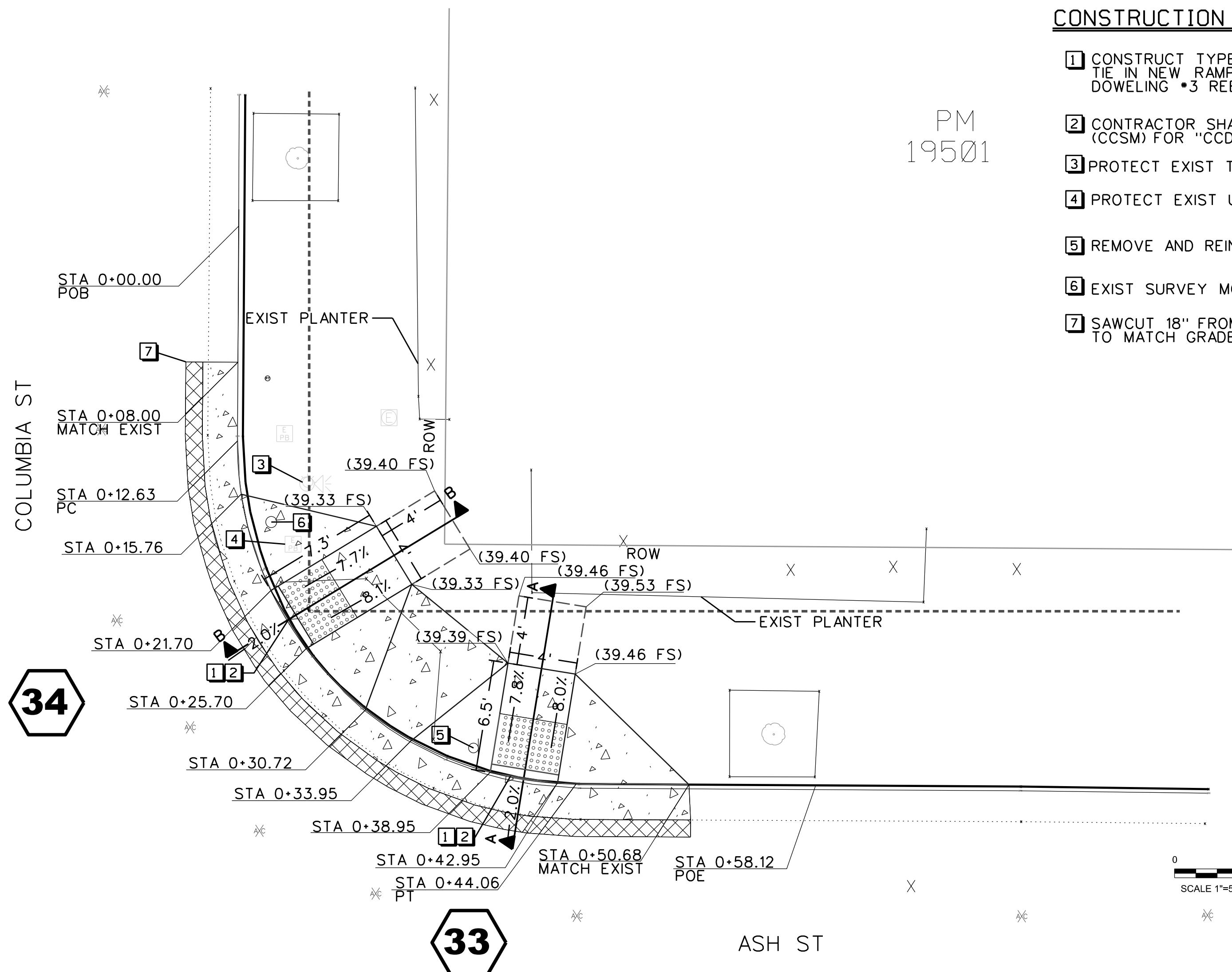
- 1. REFER TO SHEET C-76 FOR HORIZONTAL ALIGNMENT REPORT.
- 2. TO AVOID POSSIBLE DAMAGES TO THE UNDERGROUND STRUCTURE, EXISTING CONCRETE SHOULD BE REMOVED BY SAW CUTTING AND CAREFULLY CHIPPING THE CONCRETE LAYER TO A MAXIMUM DEPTH OF 2" IN RAMP SLOPE AND FLARE AREAS AT RAMP ID 128. SEE SHEET C-76 FOR DETAILS.



D-5

**CURB RAMP IMPROVEMENT
GROUP 1701
DEMOLITION**

CONSULTANT		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 79 OF 85 SHEETS		WBS B-17114															
 550 WEST C STREET, SUITE 1200, SAN DIEGO, CA 92101 PHONE: 619-831-4600 FAX: 619-232-1039				APPROVED: DATE: 02/03/2022 FOR CITY ENGINEER: ZACHARIA BARHOUMI DATE: C28902 PRINT DCE NAME: RCE#															
		SUBMITTED BY: AVEEN SALEH PROJECT MANAGER CHECKED BY: CHRIS DARQUEA PROJECT ENGINEER 194-1719 CCS27 COORDINATE 6280407-1834444 CCS83 COORDINATE		CONTRACTOR: _____ DATE STARTED: _____ INSPECTOR: _____ DATE COMPLETED: _____															
		<table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>BY</th> <th>APPROVED</th> <th>DATE</th> <th>FILMED</th> </tr> </thead> <tbody> <tr> <td>ORIGINAL</td> <td>KLF</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ADDENDUM B</td> <td>KLF</td> <td></td> <td>02/03/22</td> <td></td> </tr> </tbody> </table>		DESCRIPTION	BY	APPROVED	DATE	FILMED	ORIGINAL	KLF				ADDENDUM B	KLF		02/03/22		40677-79-D
DESCRIPTION	BY	APPROVED	DATE	FILMED															
ORIGINAL	KLF																		
ADDENDUM B	KLF		02/03/22																



ASH ST AND COLUMBIA ST NE CORNER DUAL RAMPS
SCALE: 1" = 5'

CONSTRUCTION NOTES

- 1 CONSTRUCT TYPE "A" CURB RAMP PER SDG-132, SDG-134 AND DETAIL. TIE IN NEW RAMP TO 4" THICK MINIMUM EXIST CONCRETE LANDING AREA BY DOWELING #3 REBAR @ 24" O.C. BOTH WAYS PER DETAIL B-2 IN THE CCSM MANUAL.
- 2 CONTRACTOR SHALL ADHERE TO THE CENTRE CITY STREETScape MANUAL (CCSM) FOR "CCDC BRICK PAVING" SIDEWALK PATTERN AND TREATMENT.
- 3 PROTECT EXIST TRAFFIC SIGNAL POLE IN PLACE.
- 4 PROTECT EXIST UTILITY BOX IN PLACE, ADJUST TO GRADE.
- 5 REMOVE AND REINSTALL SIGN POST AND SIGN PER SDM-104.
- 6 EXIST SURVEY MONUMENT TO BE PERPETUATED.
- 7 SAWCUT 18" FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE.

FIELD DATA:
TOPOGRAPHY SOURCE:
BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON FEBRUARY 02, 2021, WORK ORDER NO. B17114, CURB RAMP IMPROVEMENT GROUP 1701 SITE 4.

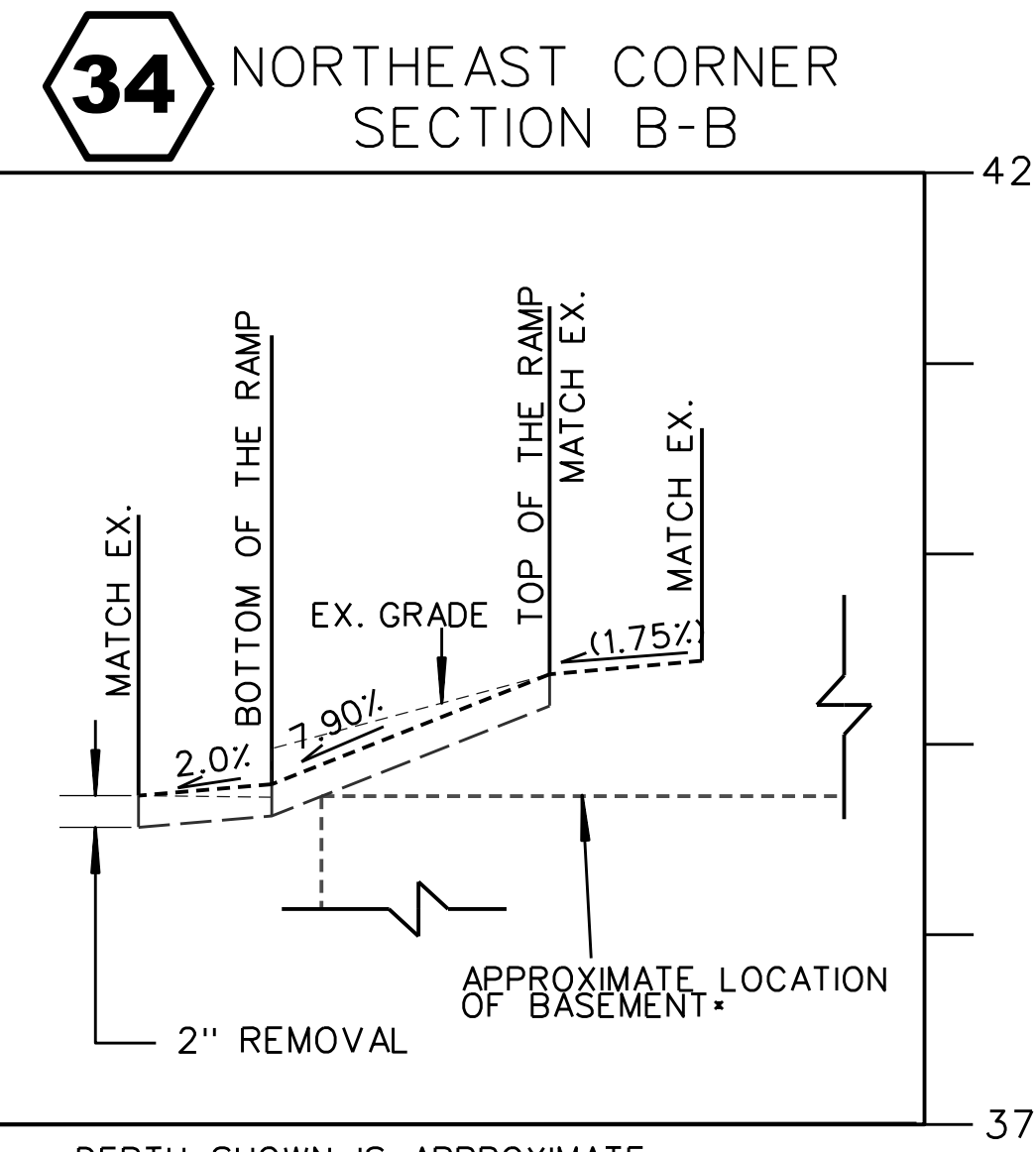
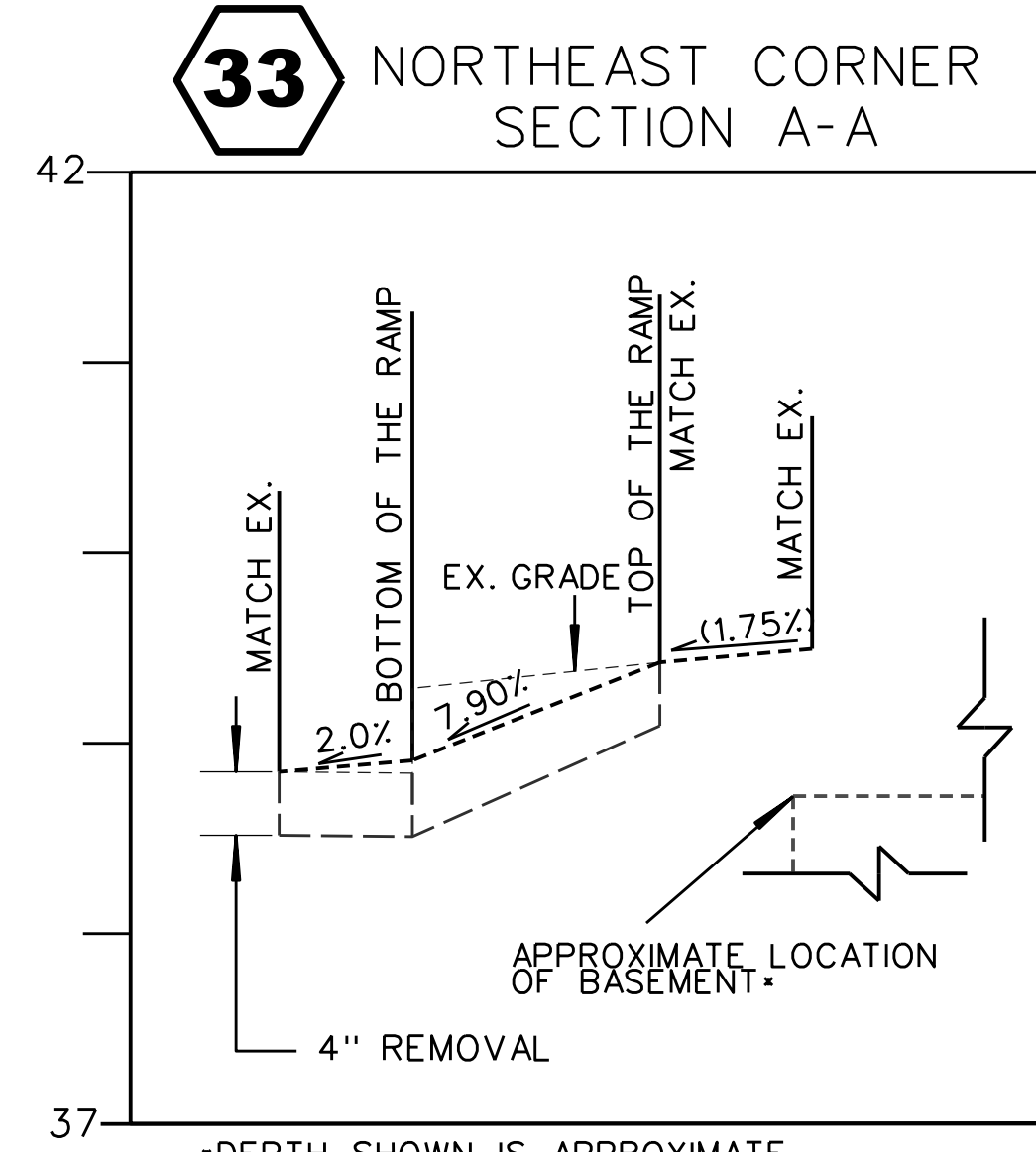
REFERENCES:
SUBDIVISION MAP MIDDLETON MAP
PARCEL MAP 19501
RECORD OF SURVEY 8926, 23533, 23640
CORNER RECORD 25081, 29898, 35452, 37209, 38685, 45651

BASIS OF BEARINGS/COORDINATES:
The Basis of Bearings for this project was derived from a previous STATIC GPS Survey using R.of S. 14492 NAD 83 feet, Zone 6 (epoch 1991.35), utilizing RTK/GPS field procedures with a CALVRS Base Station broadcast of 2018 and constraining to GPS 173 AND GPS 17 (PT *20017), I.E. N 4°04'52" W,

BENCH:
SWBP HAWTHORN/PACIFIC HIGHWAY (PT #50)
Elev. 14.239 MSL, Based on NGVD 29 FEET as shown in the City of San Diego Bench Book

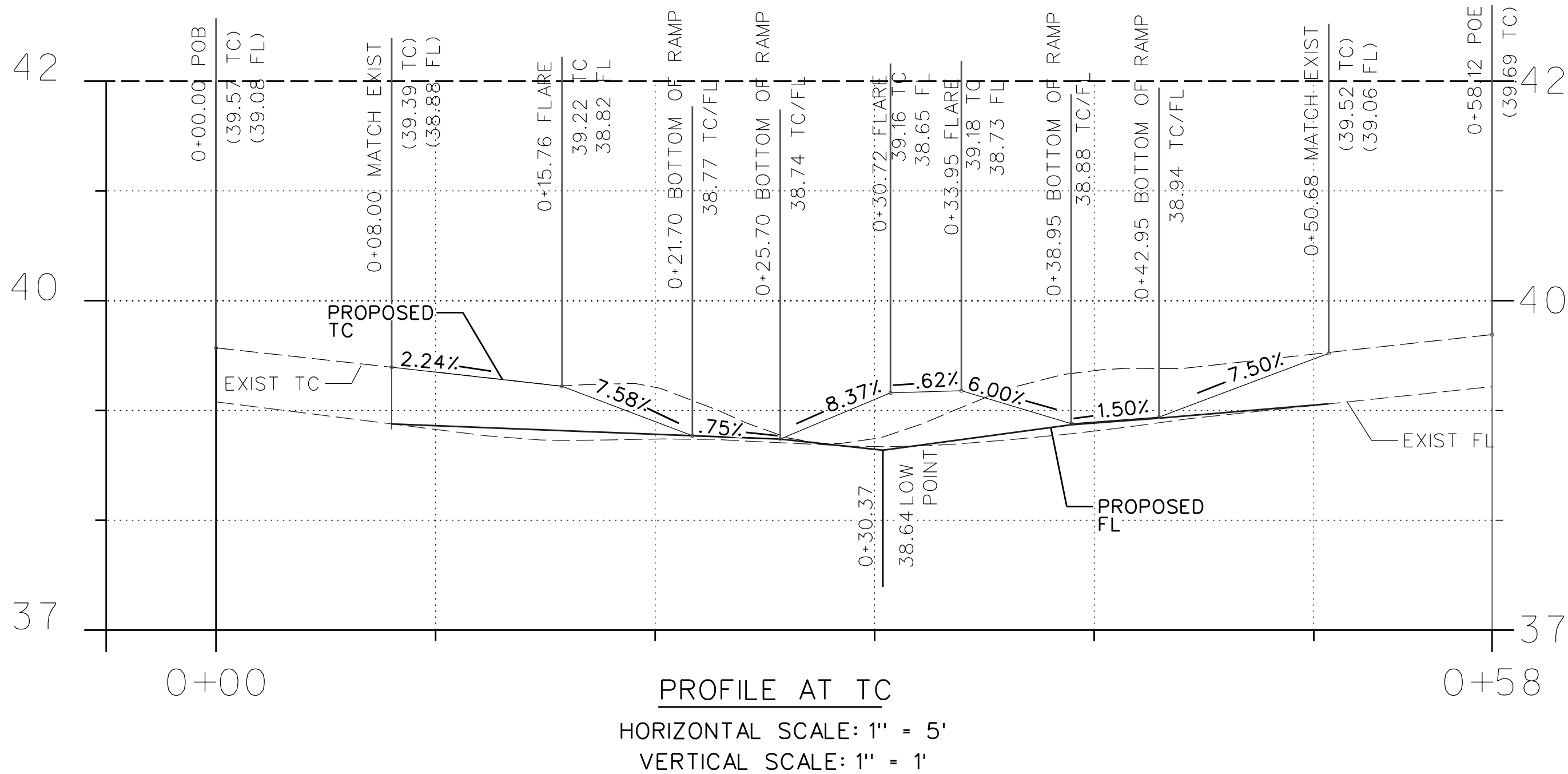
CURB ALIGNMENT DATA:

ASH ST AND COLUMBIA ST-NORTHEAST CORNER
HORIZONTAL ALIGNMENT
Alignment: NEC Ash and Columbia TC Proposed
POINT STATION NORTHING (Y) EASTING (X) ELEMENT BRG/DELTA DIST/LENGTH
POB 0+00.00 1842997.57 6279532.36 STRAIGHT 3.15 D = 12.63
PC 0+12.63 1842984.95 6279532.28 R = -20.00 DELTA = 1.57 LT L = 31.43
PT 0+44.06 1842964.81 6279552.16 STRAIGHT 1.58 D = 14.06
POE 0+58.12 1842964.73 6279566.22



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

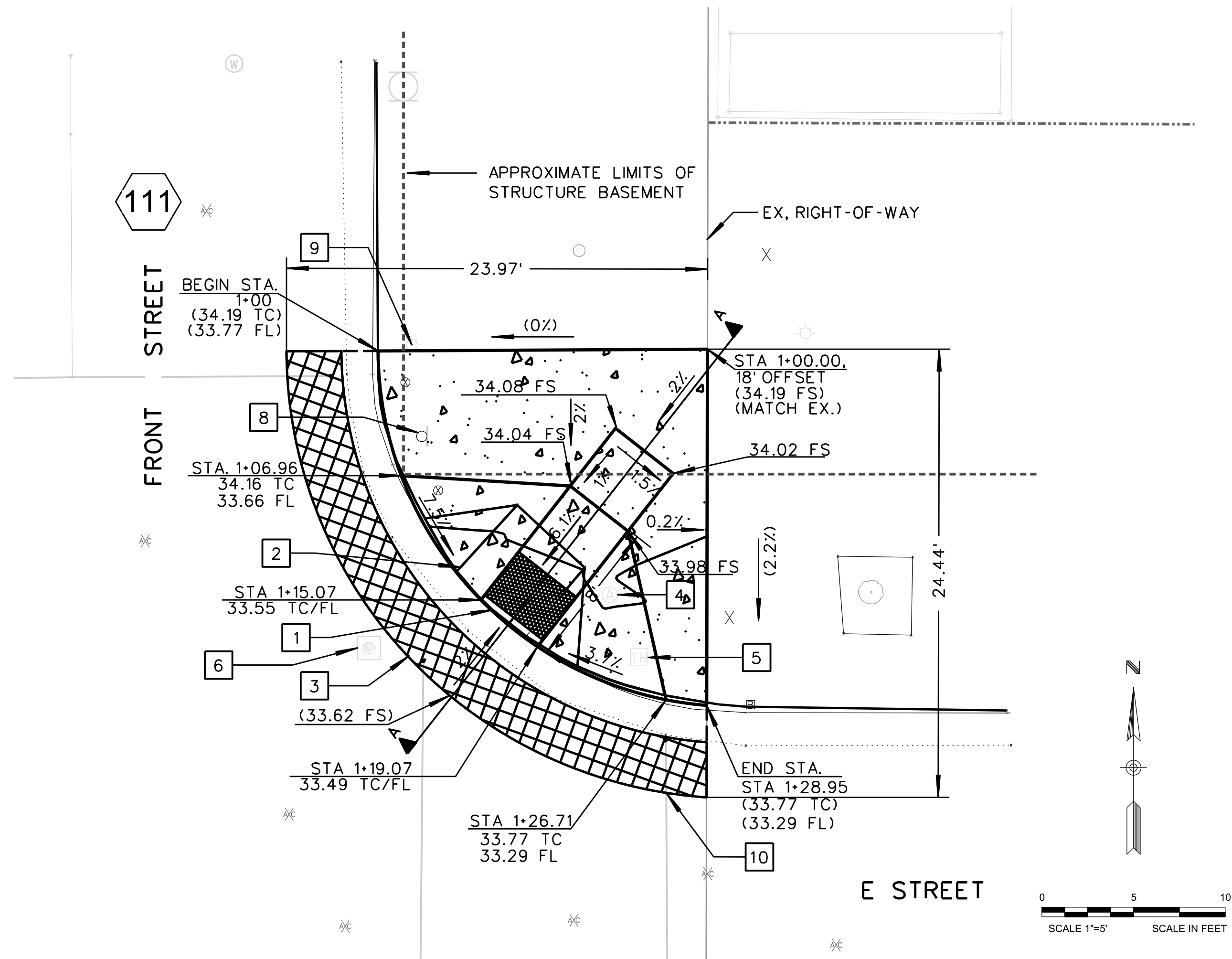
*NOTE: TO AVOID POSSIBLE DAMAGES TO THE UNDERGROUND STRUCTURE, EXISTING CONCRETE SHOULD BE REMOVED BY SAW CUTTING AND CAREFULLY CHIPPING THE CONCRETE LAYER TO A MAXIMUM DEPTH OF 2" BELOW PROPOSED RAMP SLOPE AND FLARE AREAS FOR RAMP ID 34 AND 4" FOR RAMP ID 33 AND IN SIDEWALK AREA. SEE "SECTION B-B" FOR DETAILS.



PROFILE AT TC
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 1'

CONSULTANT		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 80 OF 85 SHEETS		WBS B-17114
 550 WEST C STREET, SUITE 1200, SAN DIEGO, CA 92101 PHONE: 619-831-4600 FAX: 619-232-1039				APPROVED: 02/03/2022 FOR CITY ENGINEER: ZACHARIA BARHOUMI PRINT DCE NAME: C88902 RCE#:
		SUBMITTED BY: AVEEN SALEH PROJECT MANAGER CHECKED BY: CHRIS DARQUEA PROJECT ENGINEER		DATE: 02/03/2022 DATE FILMED: 02/03/22
CONTRACTOR: _____ INSPECTOR: _____		DATE STARTED: _____ DATE COMPLETED: _____		202-1713 CCS27 COORDINATE 6274407-1842444 CCS83 COORDINATE 40677-80-D

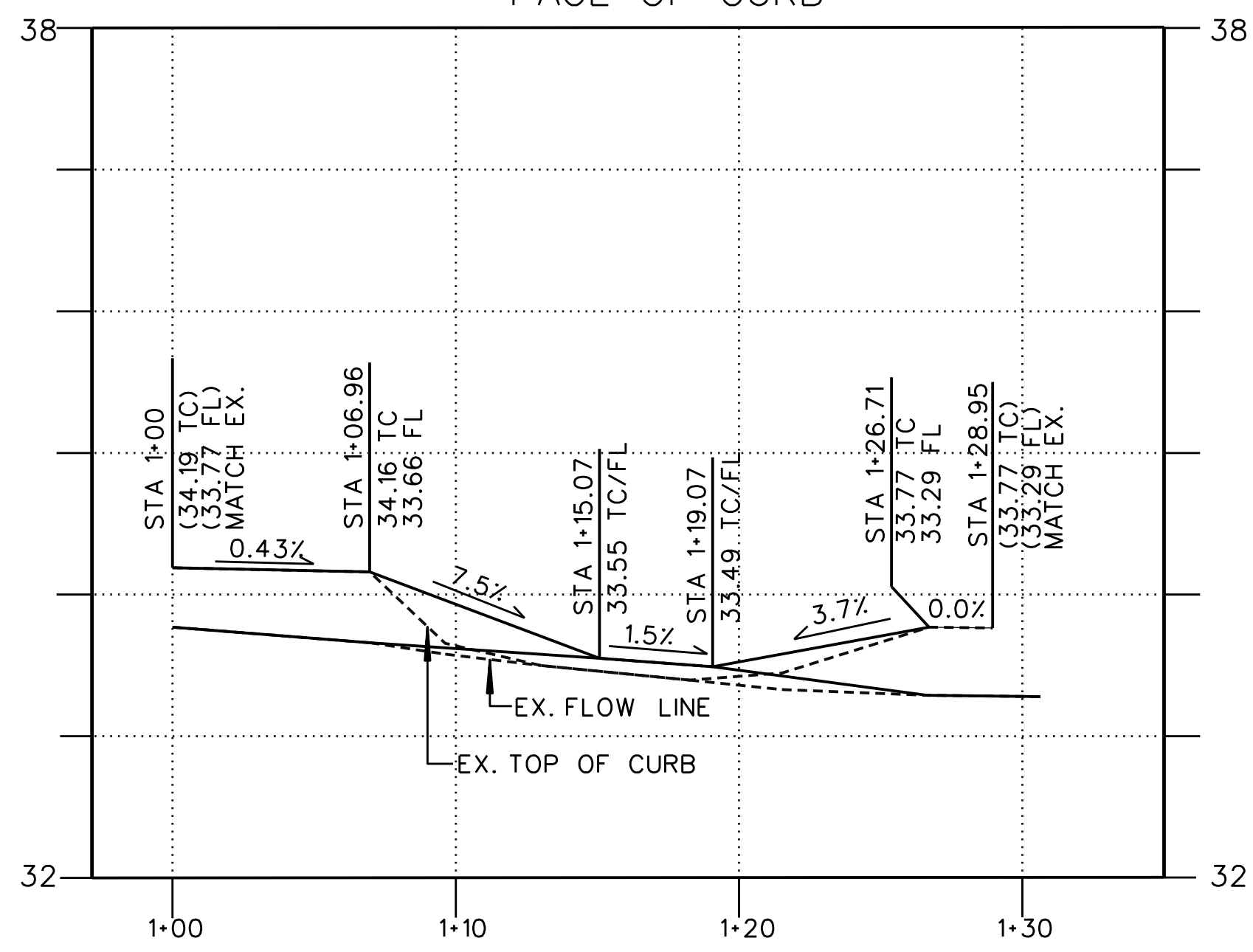
CURB RAMP DETAIL



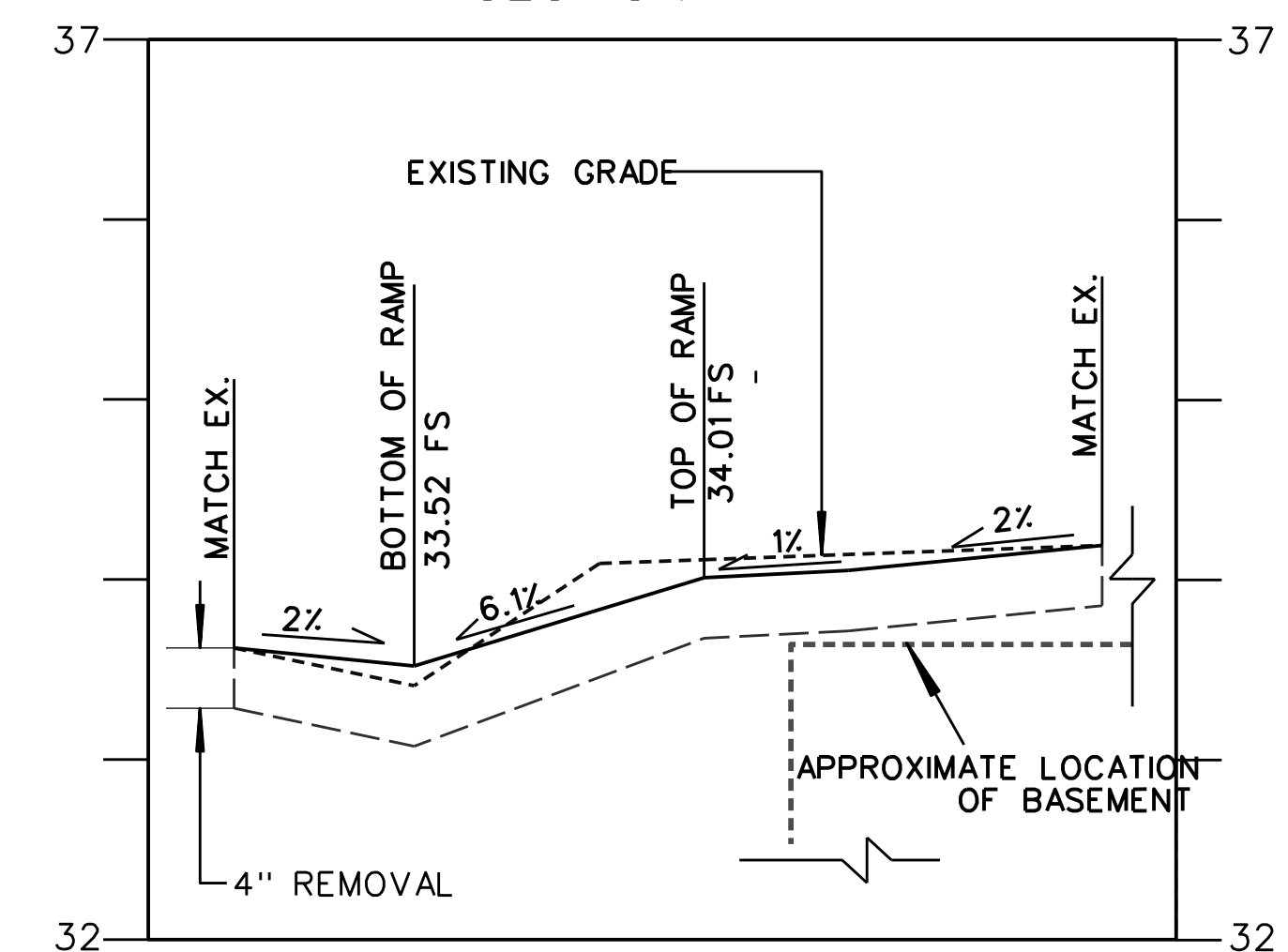
NORTHEAST CORNER OF E STREET AND FRONT STREET

TYPE: A
SCALE: 1" = 5'

NORTHEAST CORNER FACE OF CURB



NORTHEAST CORNER SECTION A-A



HORIZONTAL SCALE: 1" = 5'

VERTICAL SCALE: 1" = 1'

CONSTRUCTION NOTES:

- 1 CONSTRUCT TYPE A CURB RAMP PER SDG-132. CONTRACTOR SHALL MATCH EXIST COLOR, PATTERN AND TEXTURE FOR REPLACED OR DISTURBED SIDEWALK PANELS.
 - 2 DEMO EXISTING CURB RAMP, SEE SHEET D-2
 - 3 SAWCUT 3' FROM THE PROPOSED LIP OF GUTTER FOR CURB RAMP CONSTRUCTION
 - 4 PROTECT IN PLACE EXISTING PED SIGNAL
 - 5 ADJUST TO GRADE EXISTING PULL BOX.
 - 6 PROTECT IN PLACE EXISTING MANHOLE
 - 7 PROTECT IN PLACE EXISTING SURVEY MONUMENT
 - 8 INSTALL PED PARRICADE PER SDG-141
 - 9 PROTECT IN PLACE EXISTING STREETLIGHT
 - 10 SAWCUT 12" FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE
- NOTE: RAMP CONCRETE PER PROJECT SPECIFICATIONS.

FIELD DATA:

FIELD NOTES:
CITY OF SAN DIEGO PRELIMINARY SURVEY
BY RICK ENG, 10-16-2018 B17114
CURB RAMP IMP GROUP 1701 AREA 3 SITE 5
E ST/FRONT ST

REFERENCES:
City of San Diego PRELIMINARY SURVEY FIELD NOTES:
Subdivision Maps: 456, Horton's Add Locking
Parcel Map: 10902
Cornrr Record: 1143

BASIS OF BEARINGS/COORDINATES:
The Basis of Bearings for this project was derived from a previous STATIC GPS Survey using R.of S. 14492 NAD 83 feet, Zone 6 (epoch 1991.35), utilizing RTK/GPS field procedures with a CALVRS Base Station broadcast of 2018 and constraining to GPS 173 and GPS 17 (Pt. 20017), I.E. N 04°04'52" W.

BENCH:
SWBP Hawthorn St and Pacific Hwy (PT* 50)
Elev. 14.239 MSL, Based on NGVD 29 FEET as shown in the City of San Diego Bench Book

CURB ALIGNMENT DATA:

NORTHEAST CORNER FACE OF CURB				VERTICAL		
HORIZONTAL						
Description:	STATION	NORTHING	EASTING	Description:	STATION	ELEVATION
Element: Circular				Element: Linear		
PC ()	1+00.00	1841058.54	6280336.69	POB	1+00.00	34.19
PI ()	1+17.89	1841040.65	6280336.79	PVI	1+06.96	34.16
CC ()		1841058.64	6280356.19	Tangent Grade: -0.431		
PT ()	1+28.95	1841039.20	6280354.62	Tangent Length: 6.96		
Radius: 19.5000				Element: Linear		
Delta: 85.0657° Left				PVI	1+06.96	34.16
Degree of Curvature(Arc): 293.8245°				PVI	1+15.07	33.55
Length: 28.9512				Tangent Grade: -7.522		
Tangent: 17.8890				Tangent Length: 8.11		
Chord: 26.3645				Element: Linear		
Middle Ordinate: 5.1306				PVI	1+15.07	33.55
External: 6.9626				PVI	1+19.07	33.49
Tangent Direction: 270.3037°				Tangent Grade: -1.500		
Radial Direction: 180.3037°				Tangent Length: 4.00		
Chord Direction: 312.8365°				Element: Linear		
Radial Direction: 265.3694°				PVI	1+19.07	33.49
Tangent Direction: 355.3694°				PVI	1+26.71	33.77
				Tangent Grade: 3.665		
				Tangent Length: 7.64		
				Element: Linear		
				PVI	1+26.71	33.77
				POE	1+28.95	33.77
				Tangent Grade: -0.255		
				Tangent Length: 2.24		

*NOTE: TO AVOID POSSIBLE DAMAGES TO THE UNDERGROUND STRUCTURE, EXISTING CONCRETE SHOULD BE REMOVED BY SAW CUTTING AND CAREFULLY CHIPPING THE CONCRETE LAYER TO A MAXIMUM DEPTH OF 4".

IMPROVEMENTS	STANDARD DRAWINGS	SYMBOL
DETECTABLE WARNING TILES	SDG-130	
GENERAL CURB RAMP NOTES	SDG-131	
CURB RAMP - TYPE A	SDG-132	
EX STAMP/IMPRESSION PLACEMENT	SDG-115	

EXISTING STRUCTURES	
EX TRAFFIC SIGNAL	⊗ TS
EX STREET LIGHT	⊗ SL
EX CURB RAMP	⬆
EX CURB RAMP NO'S	⊕

CONSULTANT

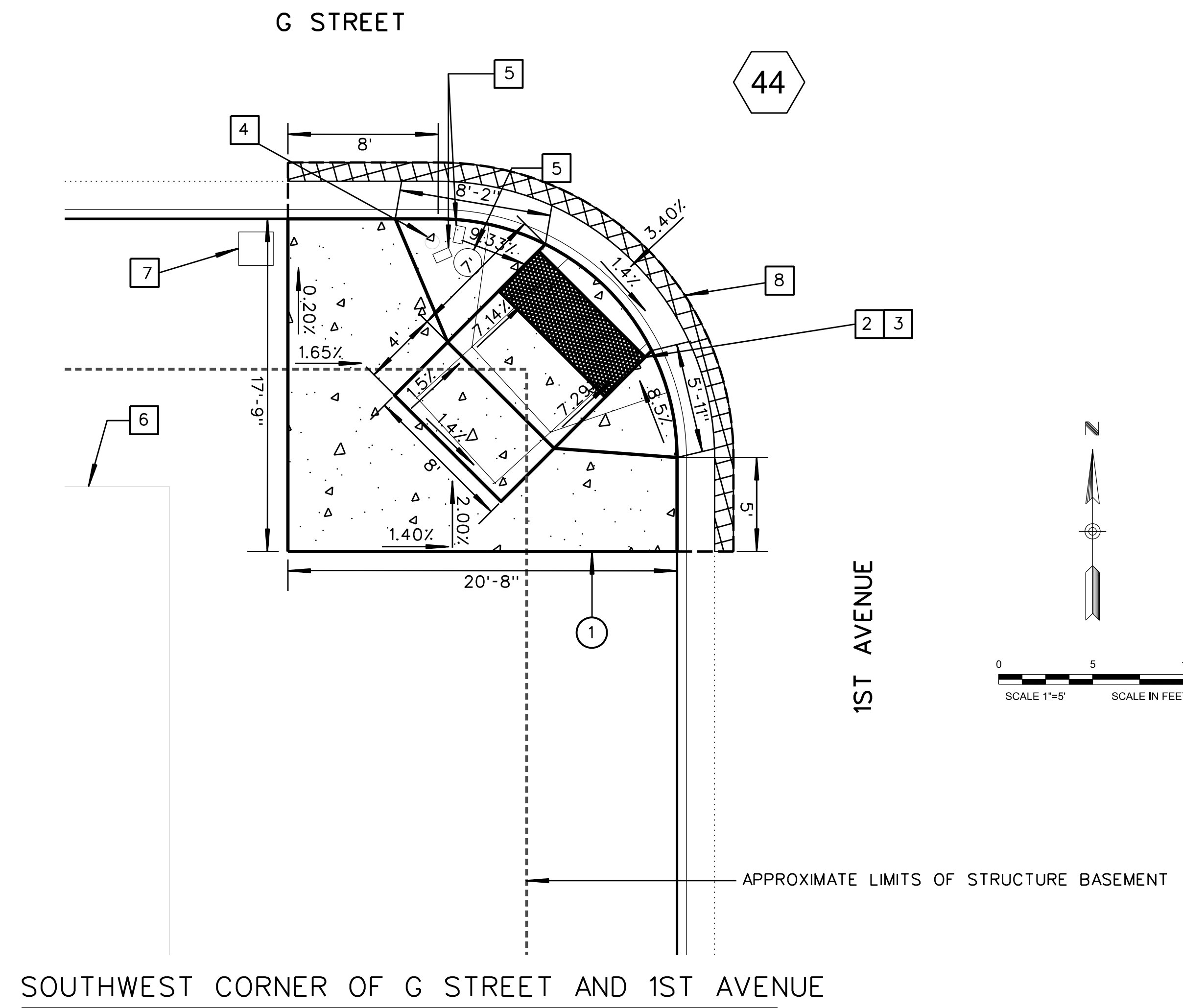
550 WEST C STREET, SUITE 1200, SAN DIEGO, CA 92101
PHONE: 619-831-4600
FAX: 619-232-1039

02/03/2022

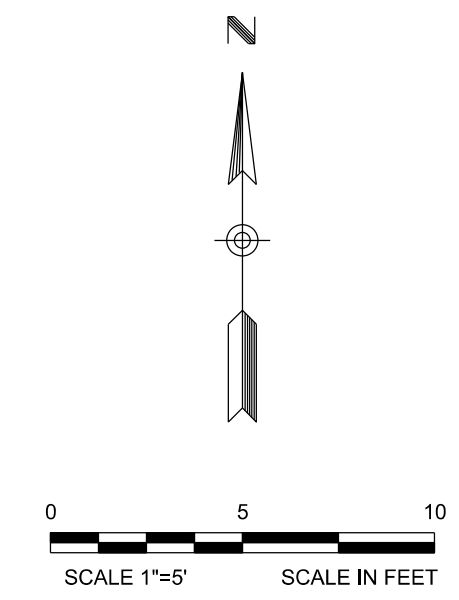
CURB RAMP IMPROVEMENT GROUP 1701
NE E ST AND FRONT ST

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 81 OF 85 SHEETS		WBS B-17114
APPROVED: [Signature]	DATE: 02/03/2022	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER
FOR CITY ENGINEER: ZACHARIA BARHOULMI DATE: 02/03/2022 PRINT DCE NAME: [Signature] PRINT DCE NAME: [Signature]	DATE: 02/03/2022	CHECKED BY: CHRIS DARQUEA PROJECT ENGINEER
DESCRIPTION: ORIGINAL BY: KLF	APPROVED: [Signature]	DATE: 02/03/22
DESCRIPTION: ADDENDUM B BY: KLF	APPROVED: [Signature]	DATE: 02/03/22
CONTRACTOR: [Signature]		DATE STARTED: [Signature]
INSPECTOR: [Signature]		DATE COMPLETED: [Signature]
		198-1713 CCS27 COORDINATE
		6274407-1838444 CCS83 COORDINATE
		40677-81-D

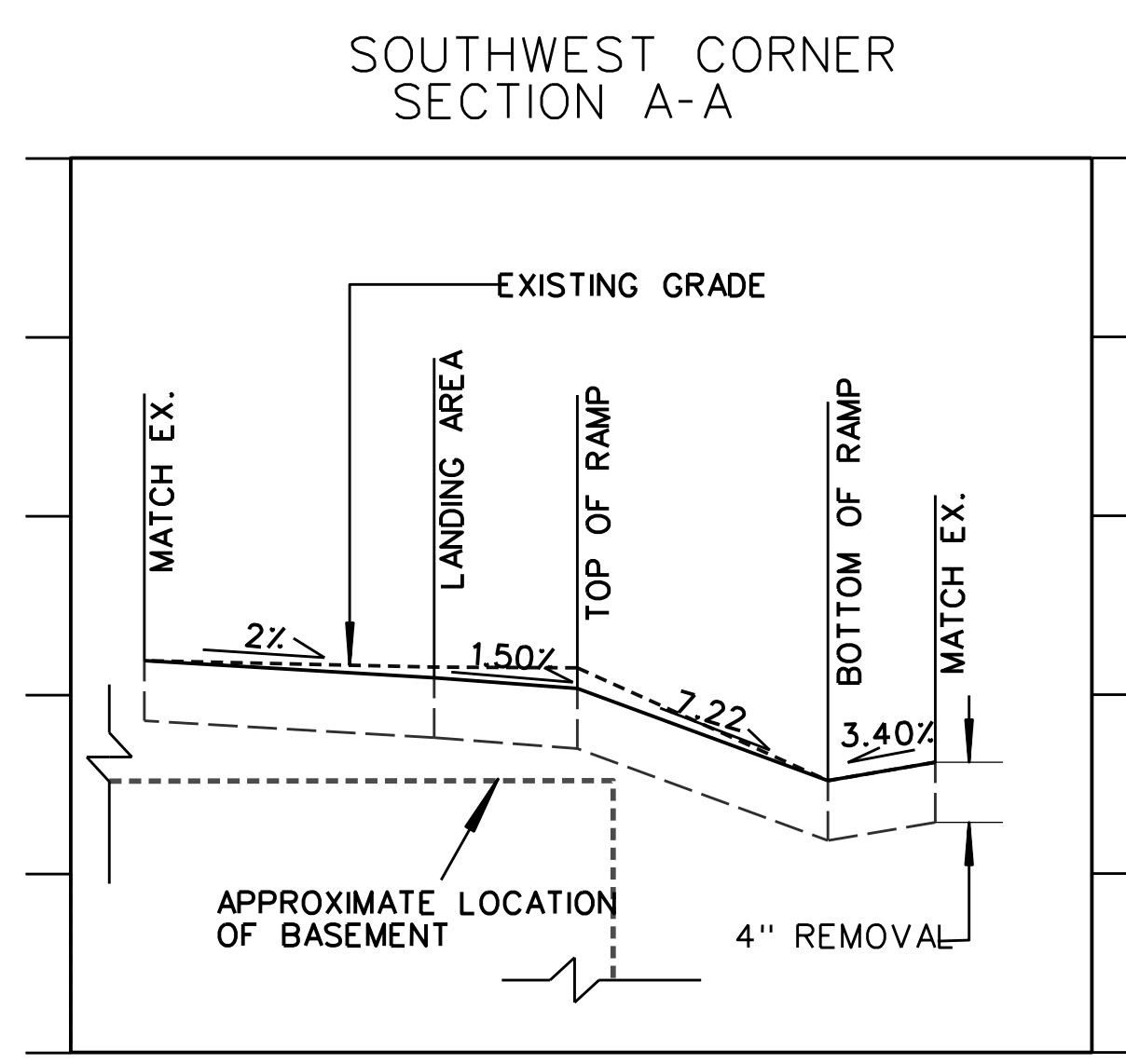
CURB RAMP DETAIL



- CONSTRUCTION NOTES:**
- 1 LIMITS OF REMOVAL, SEE NOTE 2
 - 2 CONSTRUCT 8' WIDE TYPE A CURB RAMP PER SDG-132. CONTRACTOR SHALL ADHERE TO THE CENTER CITY STREETSCAPE MANUAL (CCSM) FOR 'CHILDREN PARK PAVING' SIDEWALK PATTERN TREATMENT.
 - 3 DEMO EXISTING CURB RAMP, SEE SHEET D-3
 - 4 EXISTING TRAFFIC SIGNAL, PROTECT IN PLACE
 - 5 EXISTING PULLBOX, ADJUST TO GRADE
 - 6 EXISTING BUILDING, PROTECT IN PLACE
 - 7 EXISTING SIGNAL CABINET, PROTECT IN PLACE
 - 8 SAWCUT 12\"/>
- NOTE: RAMP CONCRETE PER PROJECT SPECIFICATIONS.



SOUTHWEST CORNER OF G STREET AND 1ST AVENUE



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

*NOTE: TO AVOID POSSIBLE DAMAGES TO THE UNDERGROUND STRUCTURE, EXISTING CONCRETE SHOULD BE REMOVED BY SAW CUTTING AND CAREFULLY CHIPPING THE CONCRETE LAYER TO A MAXIMUM DEPTH OF 4".

LEGEND		
IMPROVEMENTS	STANDARD DRAWINGS	SYMBOL
DETECTABLE WARNING TILES	SDG-130	
GENERAL CURB RAMP NOTES	SDG-131	
CURB RAMP - TYPE A	SDG-132	
EX STAMP/IMPRESSION PLACEMENT	SDG-115	

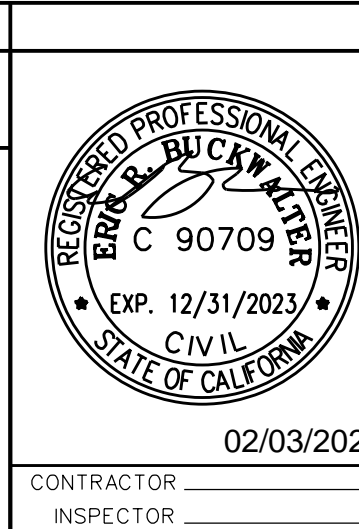
EXISTING STRUCTURES	
EX TRAFFIC SIGNAL	⊗ TS
EX STREET LIGHT	⊗ SL
EX CURB RAMP	▲
EX CURB RAMP NO'S	⬡

C-74

CURB RAMP IMPROVEMENT
GROUP 1701
SW G ST AND FIRST AVE

CONSULTANT

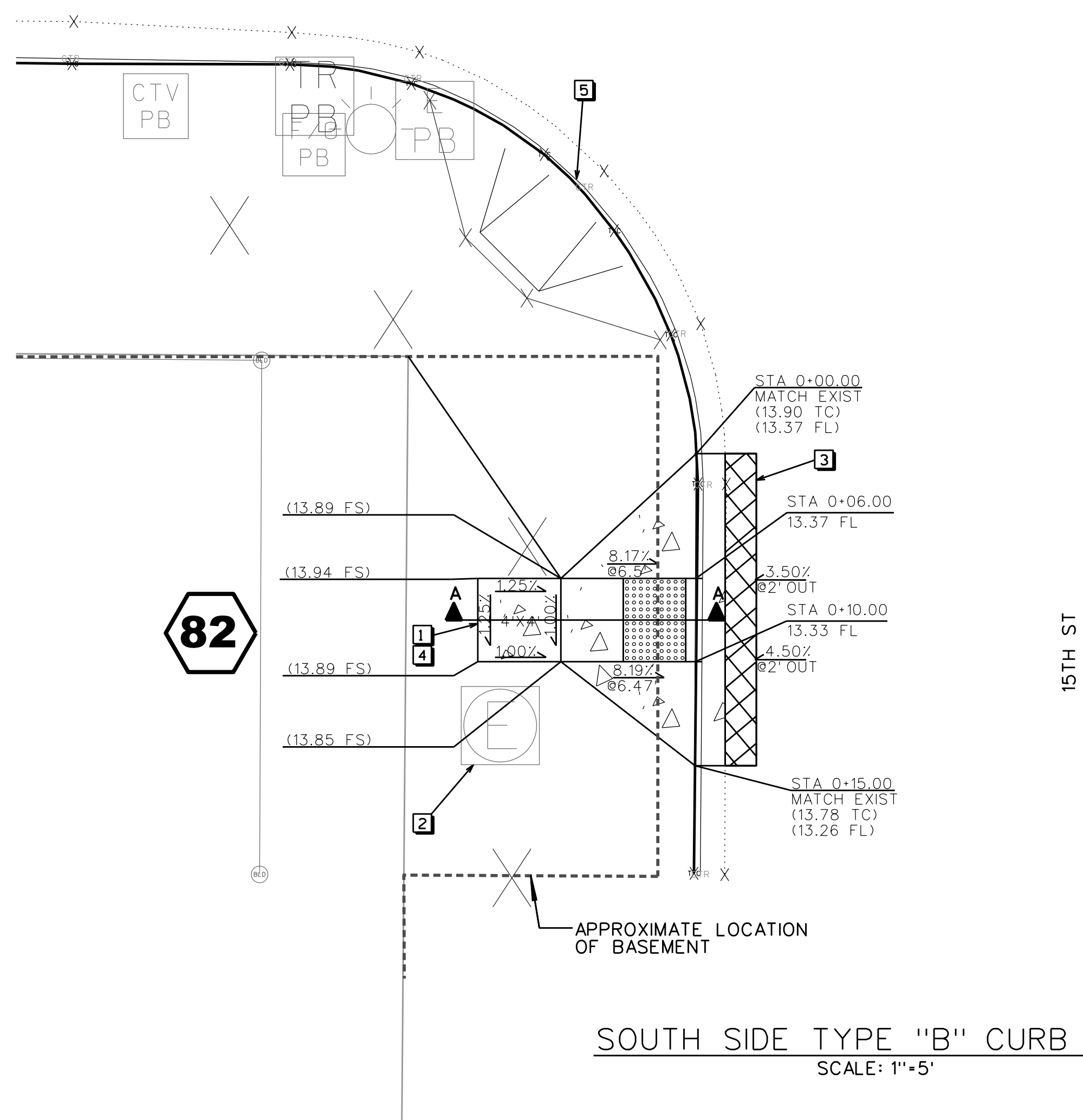
550 WEST C STREET, SUITE 1200, SAN DIEGO, CA 92101
PHONE: 619-831-4600
FAX: 619-232-1039



CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 82 OF 85 SHEETS		WBS B-17114		
APPROVED:	DATE: 02/03/2022	SUBMITTED BY: AVEEN SALEH, PROJECT MANAGER		
FOR CITY ENGINEER: ZACHARIA BARHOLMI (C28902)	DATE: 02/03/22	CHECKED BY: CHRIS DARQUEA, PROJECT ENGINEER		
DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	KLF			
ADDENDUM B	KLF		02/03/22	
CONTRACTOR: _____		DATE STARTED: _____	40677-82-D	
INSPECTOR: _____		DATE COMPLETED: _____		

CURB RAMP DETAIL

IMPERIAL AVE



CONSTRUCTION NOTES

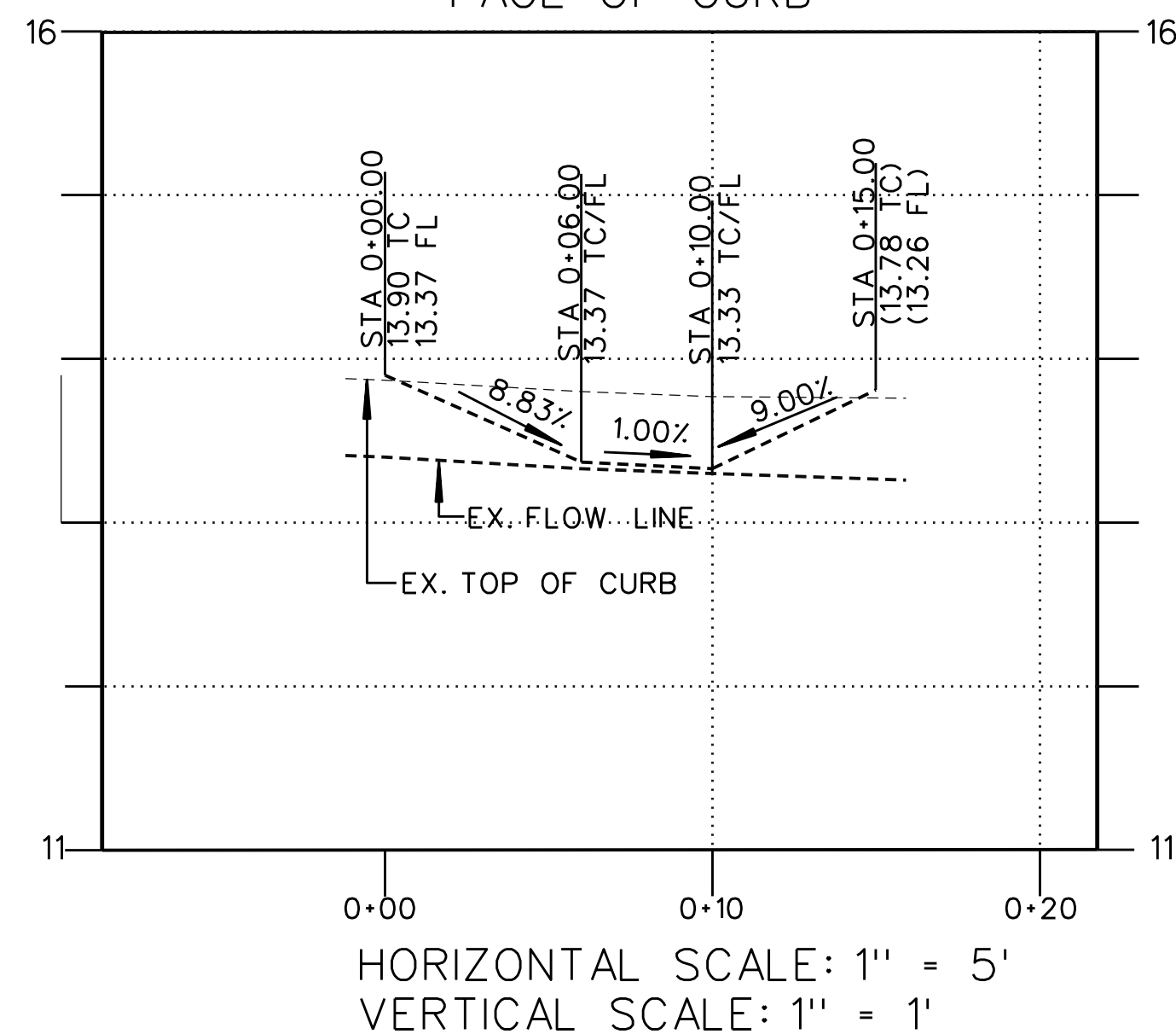
- 1 CONSTRUCT TYPE 'B' CURB RAMP PER DETAIL AND CITY OF SAN DIEGO STANDARD DRAWINGS SDG-133.
- 2 PROTECT EXISTING MANHOLE VAULT.
- 3 SAWCUT 18" FROM PROPOSED LIP OF GUTTER. AC PATCH TO MATCH GRADE.
- 4 CONTRACTOR SHALL ADHERE TO CENTRE CITY STREETScape MANUAL (CCSM) FOR "CCDC STANDARD PAVING" SIDEWALK PATTERN AND TREATMENT.
- 5 PROTECT EXISTING ADA CURB RAMP.

*NOTE: TO AVOID POSSIBLE DAMAGES TO THE UNDERGROUND STRUCTURE, EXISTING CONCRETE SHOULD BE REMOVED BY SAW CUTTING AND CAREFULLY CHIPPING THE CONCRETE LAYER TO A MAXIMUM DEPTH OF 2" BELOW PROPOSED RAMP SLOPE AND FLARE AREAS AT RAMP ID 82

CURB ALIGNMENT DATA

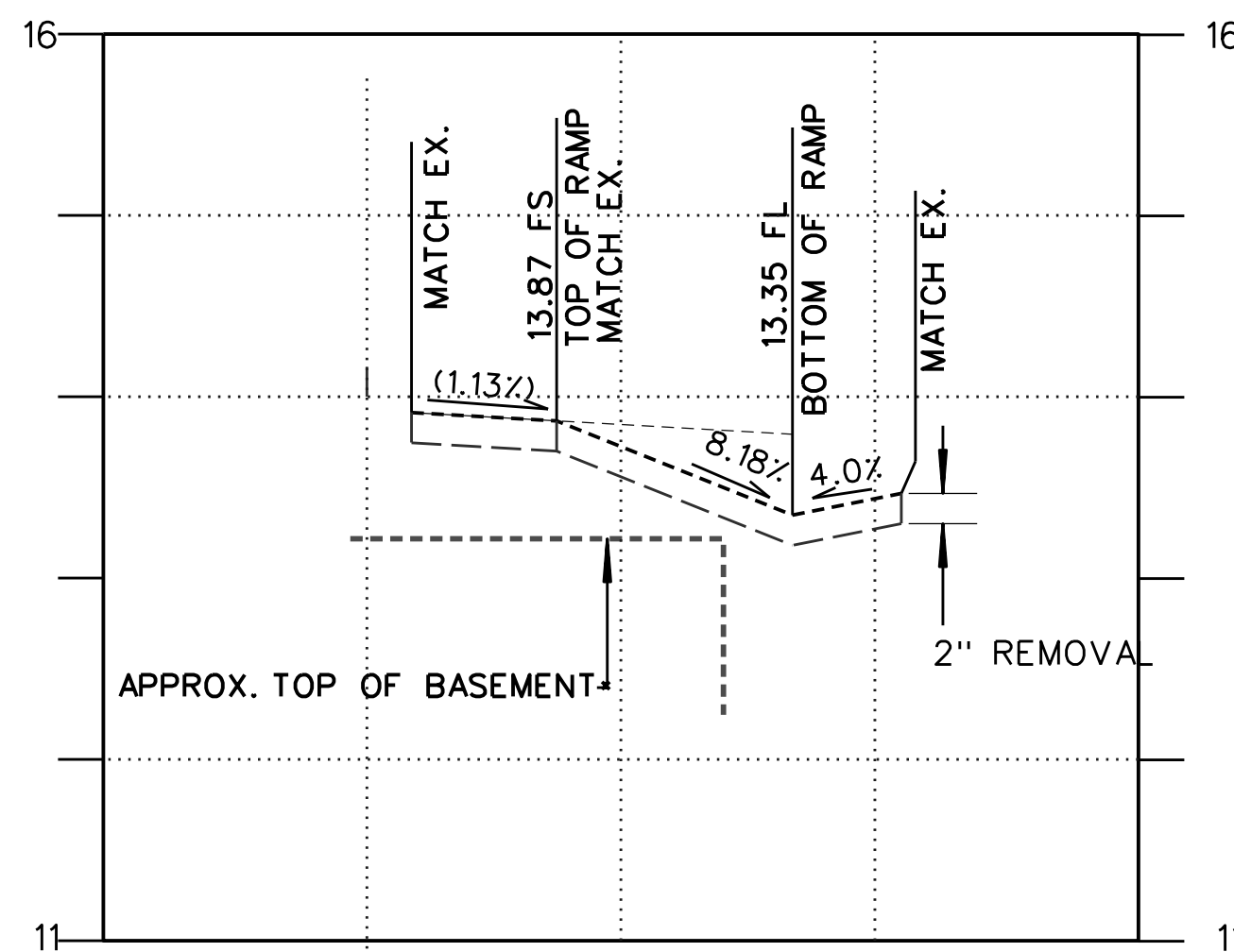
IMPERIAL AVE & 15TH ST SOUTHWEST CORNER	
HORIZONTAL ALIGNMENT	
ALIGNMENT: Imperial and 15th SW	
POB 0+00.00	1837906.29 6284678.70
STRAIGHT S 0° 13' 33.42" W D = 15.00	
POE 0+15.00	1837891.29 6284678.65

SOUTHWEST CORNER
FACE OF CURB



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

SOUTHWEST CORNER
SECTION A-A



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

TOPOGRAPHY SOURCE

BASED ON FIELD SURVEY PERFORMED BY CITY OF SAN DIEGO SURVEYING DIVISION ON MARCH 3, 2019. WORK ORDER NO. B-17114, CURB RAMP IMPROVEMENT GROUP 1701, AREA 8 SITE 2, VIC: IMPERIAL AVE. & 15TH ST.

BENCHMARK

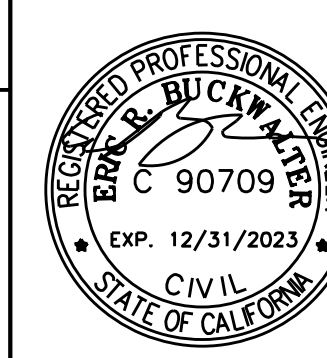
SEBP IMPERIAL AVE. & 13TH ST. (PT*3)
ELEV. 8.892 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK.

BASIS OF BEARINGS/COORDINATES

THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING RECORD OF SURVEY 14492 NAD 83 FEET, ZONE 6 (EPOCH 1991.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH A CALVRS BASE STATION BROADCAST OF 2018 AND CONSTRAINING TO GPS 173, AND GPS 1137, I.E. N56° 10' 28" E.

CONSULTANT

550 WEST C STREET, SUITE 1200, SAN DIEGO, CA 92101
PHONE: 619-831-4600
FAX: 619-232-1039



CONTRACTOR	INSPECTOR	DATE STARTED	DATE COMPLETED

C-75

**CURB RAMP IMPROVEMENT
GROUP 1701**

SW IMPERIAL AND 15TH

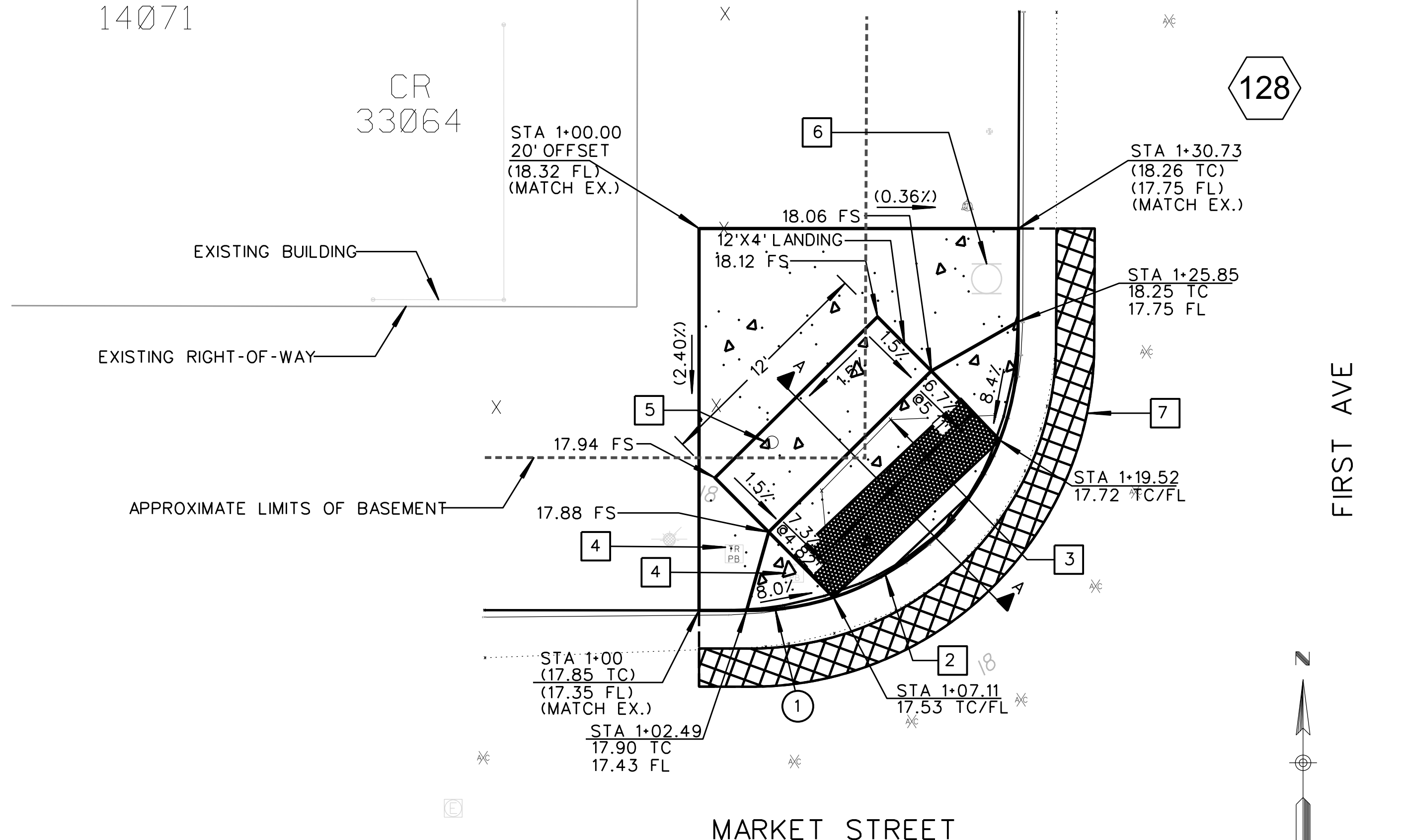
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 83 OF 85 SHEETS		WBS B-17114		
APPROVED:	DATE: 02/03/2022	SUBMITTED BY: AVEEN SALEH PROJECT MANAGER		
FOR CITY ENGINEER: ZACHARIA BARHOULMI	DATE: 02/03/2022	CHECKED BY: CHRIS DARQUEA PROJECT ENGINEER		
PRINT DCE NAME: ZACHARIA BARHOULMI	DATE: 02/03/2022	194-1719 CCS27 COORDINATE		
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	KLF			
ADDENDUM B	KLF		02/03/22	
		6280407-183444 CCS83 COORDINATE		40677-83-D

CURB RAMP DETAIL

MAP
14071

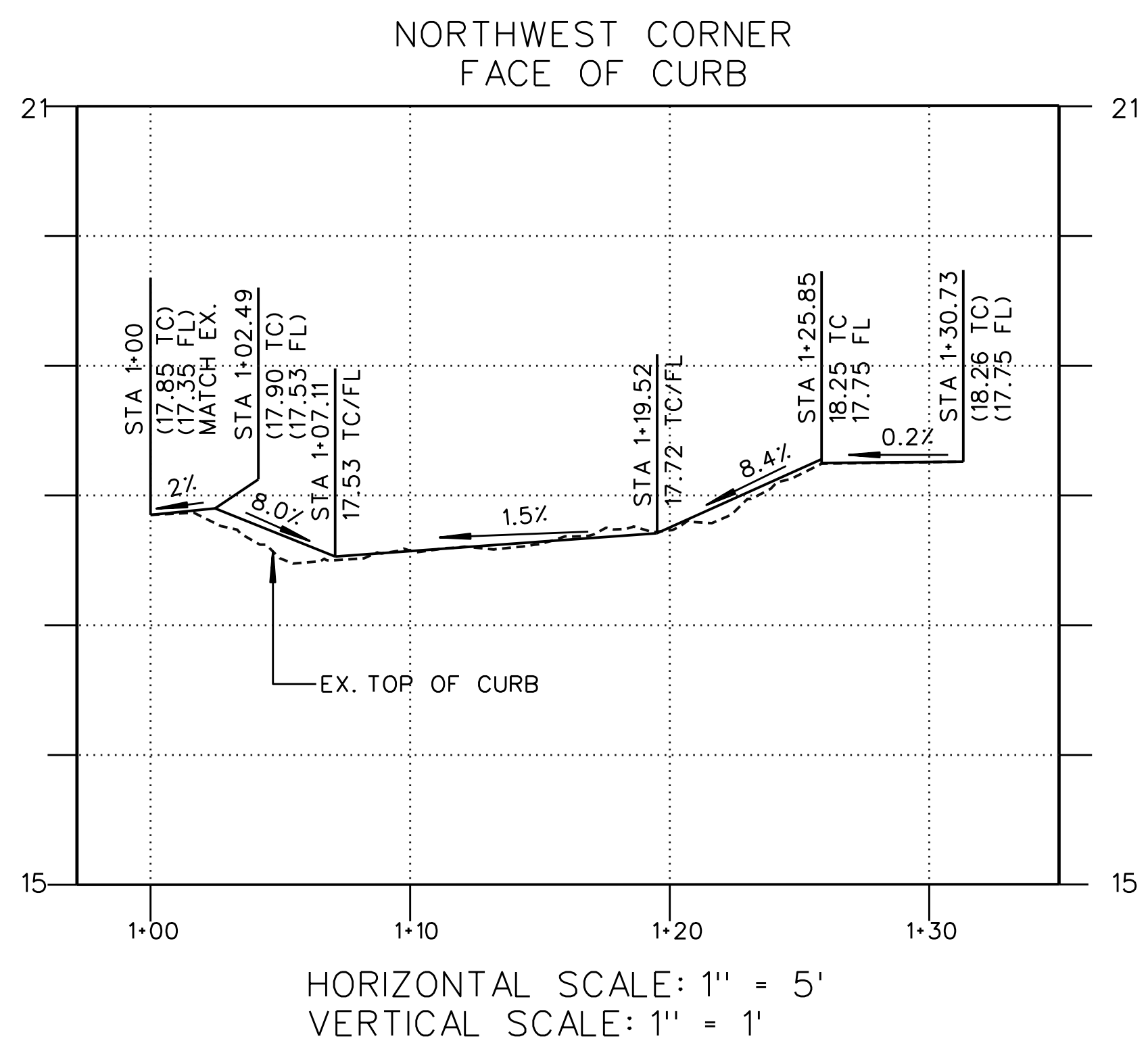
CR
33064

128

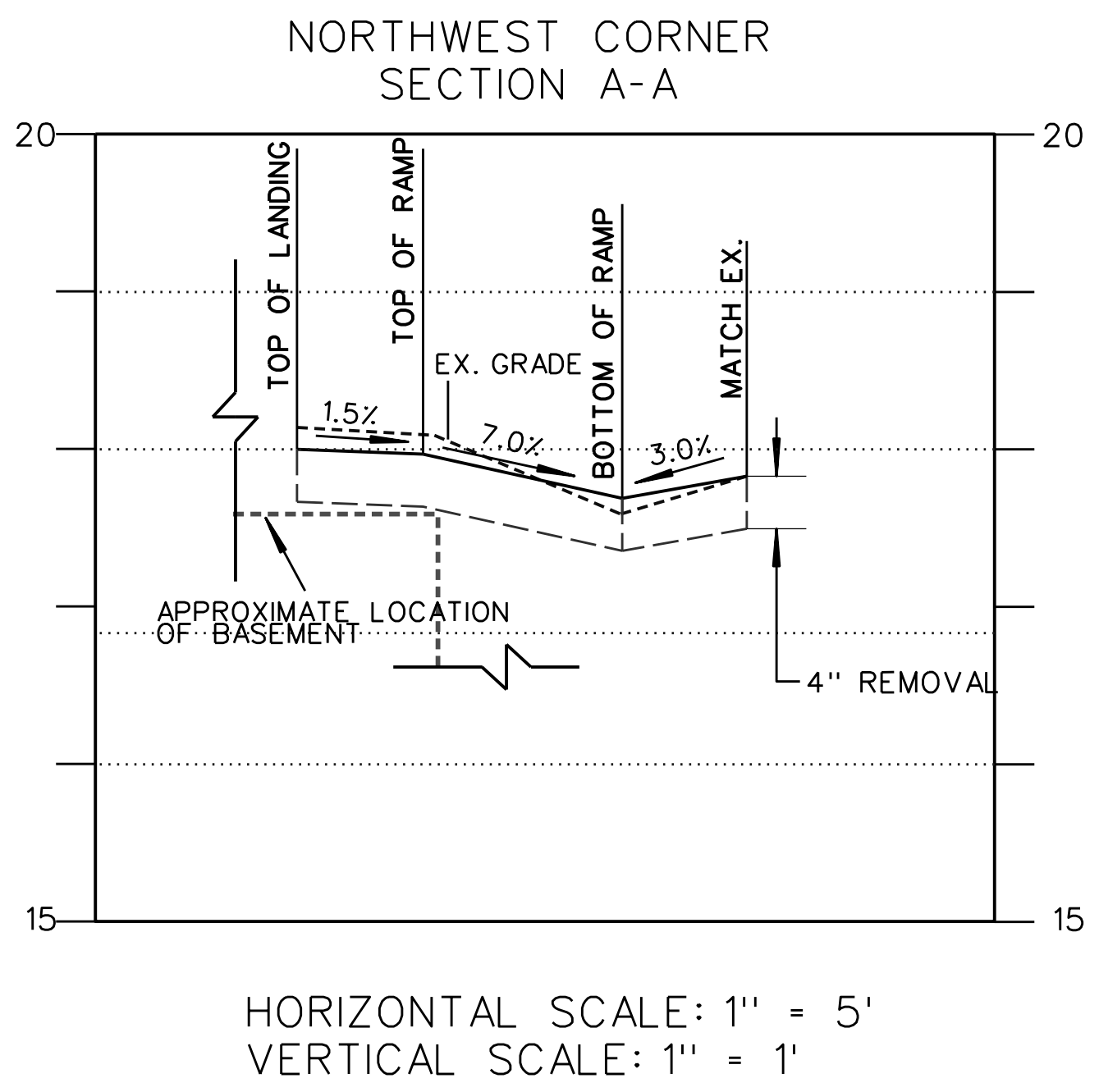


FIRST AVE

NORTHWEST CORNER OF MARKET ST AND FIRST AVE
TYPE A
SCALE: 1"=5'



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



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

- CONSTRUCTION NOTES:**
- 1 LIMITS OF REMOVAL, SEE NOTE 2
 - 2 CONSTRUCT 12' WIDE TYPE A CURB RAMP PER SDG-132. CONTRACTOR SHALL ADHERE TO THE CENTER CITY STREETScape MANUAL (CCSM) FOR 'CHILDREN PARK PAVING' SIDEWALK PATTERN AND TREATMENT.
 - 3 DEMO EXISTING CURB RAMP, SEE SHEET D-5
 - 4 ADJUST TO GRADE EXISTING PULLBOX
 - 5 EXISTING SURVEY MONUMENT. REESTABLISH SURVEY MONUMENT AFTER CONSTRUCTION.
 - 6 PROTECT IN PLACE EXISTING FIRE HYDRANT.
 - 7 SAWCUT 18" FROM PROPOSED LIP OF GUTTER. AC BACKFILL TO MATCH GRADE

NOTE: RAMP CONCRETE PER PROJECT SPECIFICATIONS.

CURB ALIGNMENT DATA:

NORTHWEST CORNER FACE OF CURB				VERTICAL	
HORIZONTAL				Description:	
Description:	STATION	NORTHING	EASTING	STATION	ELEVATION
Element: Linear				Element: Linear	
POB ()	1+00.00	1839913.11	6280555.99	POB	1+00.00 17.85
PC ()	1+02.71	1839913.11	6280558.70	PVI	1+02.49 17.90
Tangent Direction: S 89° 57' 20" E				Tangent Grade: 2.008	
Tangent Length: 2.71				Tangent Length: 2.49	
Element: Circular				Element: Linear	
PC ()	1+02.71	1839913.11	6280558.70	PVI	1+02.49 17.90
PI ()	1+16.66	1839913.09	6280572.65	PVI	1+07.11 17.53
CC ()		1839927.11	6280558.71	Tangent Grade: -8.009	
PT ()	1+24.65	1839927.04	6280572.71	Tangent Length: 4.62	
Radius: 14.00				Element: Linear	
Delta: 89° 47' 39" Left				PVI	1+07.11 17.53
Degree of Curvature(Arc): 409° 15' 20"				PVI	1+19.52 17.72
Length: 21.94				Tangent Grade: 1.450	
Tangent: 13.95				Tangent Length: 12.41	
Chord: 19.76				Element: Linear	
Middle Ordinate: 4.08				PVI	1+19.52 17.72
External: 5.76				PVI	1+25.85 18.25
Tangent Direction: S 89° 57' 20" E				Tangent Grade: 8.373	
Radial Direction: S 0° 02' 40" W				Tangent Length: 6.33	
Chord Direction: N 45° 08' 50" E				Element: Linear	
Radial Direction: S 89° 44' 59" E				PVI	1+25.85 18.25
Tangent Direction: N 0° 15' 01" E				POE	1+31.31 18.26
Element: Linear				Tangent Grade: 0.183	
PT ()	1+24.65	1839927.04	6280572.71	Tangent Length: 5.46	
POE ()	1+30.73	1839933.13	6280572.73		
Tangent Direction: N 0° 15' 01" E					
Tangent Length: 6.08					

*NOTE: TO AVOID POSSIBLE DAMAGES TO THE UNDERGROUND STRUCTURE, EXISTING CONCRETE SHOULD BE REMOVED BY SAW CUTTING AND CAREFULLY CHIPPING THE CONCRETE LAYER TO A MAXIMUM DEPTH OF 4".

CONSULTANT

550 WEST C STREET, SUITE 1200, SAN DIEGO, CA 92101
PHONE: 619-831-4600
FAX: 619-232-1039

CURB RAMP IMPROVEMENT
GROUP 1701
NW MARKET ST AND FIRST AVE

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS DEPARTMENT
SHEET 84 OF 85 SHEETS

WBS B-17114

APPROVED: 02/03/2022
FOR CITY ENGINEER: ZACHARIA BARHOUMI
DATE: 02/03/2022
PRINT DCE NAME: ZACHARIA BARHOUMI
PRINT DCE NUMBER: C88902
RCE#: [blank]

SUBMITTED BY: AVEEN SALEH
PROJECT MANAGER

CHECKED BY: CHRIS DARQUEA
PROJECT ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	KLF			
ADDENDUM B	KLF		02/03/22	

194-1719
CCS27 COORDINATE
6280407-1834444
CCS83 COORDINATE

CONTRACTOR: [blank] DATE STARTED: [blank]
INSPECTOR: [blank] DATE COMPLETED: [blank]

40677-84-D

C-76

NW MARKET ST AND FIRST AVE

Bid Results

Bidder Details

Vendor Name L C Paving & Sealing, Inc.
Address 620 Alpine Way
Escondido, California 92029
United States
Respondee Shawn Wittenberg
Respondee Title Estimator
Phone 760-752-1743
Email Shawn@lcpaving.com
Vendor Type DBE, MBE, CADIR, PQUAL, MALE, LAT
License # 621610
CADIR 1000004325

Bid Detail

Bid Format Electronic
Submitted 02/15/2022 12:40 PM (PST)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 280887

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
Bid package.pdf	Bid package.pdf	Contractor's Certification of Pending Actions
Bid package.pdf	Bid package.pdf	Mandatory Disclosure of Business Interest Form
Bid package.pdf	Bid package.pdf	Prime - Debarment and Suspension
Bid package.pdf	Bid package.pdf	Subcontractor - Debarment and Suspension
Bid package.pdf	Bid package.pdf	Bid Bond

Subcontractors

Showing 7 Subcontractors

Name & Address	Desc	License Num	CADIR	Amount	Type
McGrath Holdings, Inc PO BOX 2488 El Cajon, California 92021	WPCP Development & Inspection	20194	1000037165	\$10,000.00	ELBE, CADIR, Local
RTL Traffic Control and Equipment R 15427 Olde Hwy 80 El Cajon, California 92021	Traffic Control Services, Device Rental & Purchase, & Traffic Control Plans	1004071	1000039493	\$37,137.27	LAT, FEM, MBE, CADIR, WOSB, Local
Rec Trucking Inc 1128 2nd ave Chula vista, California 91911	Offsite Trucking	1045479	1000040647	\$60,000.00	ELBE, DBE, CADIR, MALE, LAT, Local
Southwest Traffic Signal Service, Inc 9201 Isaac St Suite A Santee, California 92071	Line Items 37-39 & 46-51	451115	1000004265	\$136,175.00	DVBE, Local
Vic Salazar Communications 5205 Kearny Villa Road Suite 107 San Diego, California 92123	Community Liaison Service	00000	1000364796	\$9,000.00	CADIR, DBE, ELBE, LAT, MALE, MBE, Local
Western Gardens Landscaping, Inc. 4616 Pannonia Rd. Carlsbad, California 92008	Tree Removal & Landscape Irrigation Relocation	662550	1000004289	\$14,500.00	SLBE, CADIR, Local
payco specialties, inc 120 North Second Avenue Chula Vista, California 91910	Striping, Pavement Markings, & Signage	298637	1000003515	\$88,505.00	DBE, MBE, WBE, Local

Line Items

Discount Terms No Discount

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
Main Bid							\$1,499,229.08		
1	524126		Bonds (Payment and Performance)	LS	1	\$27,923.57	\$27,923.57	Yes	
2	237310		Caltrans Encroachment Permit Submittal (EOC Type I)	AL	1	\$2,000.00	\$2,000.00	Yes	
3	237310		Port of San Diego Encroachment Permit (EOC Type I)	AL	1	\$2,000.00	\$2,000.00	Yes	
4	541820		Exclusive Community Liaison Services	LS	1	\$9,621.10	\$9,621.10	Yes	
5	237310		Mobilization	LS	1	\$13,774.29	\$13,774.29	Yes	
6			Field Orders (EOC Type II)	AL	1	\$201,000.00	\$201,000.00	Yes	
7	237310		Excavate and Export (Unclassified)	CY	15	\$408.06	\$6,120.90	Yes	
8	237310		Asphalt Pavement Repair	SF	50	\$75.24	\$3,762.00	Yes	
9	237310		Adjust Existing Water Meter Box Frame and Cover to Grade	EA	2	\$627.29	\$1,254.58	Yes	
10	237310		Adjust Existing Electrical Pull Box Frame and Cover to Grade	EA	68	\$584.10	\$39,718.80	Yes	
11	237310		Asphalt Concrete	TON	30	\$222.66	\$6,679.80	Yes	
12	237310		Cross Gutter	SF	490	\$22.80	\$11,172.00	Yes	
13	237310		Additional Curb and Gutter Removal and Replacement	LF	250	\$59.23	\$14,807.50	Yes	
14	237310		Historical and Contractor Date Stamps and Impressions	EA	17	\$342.35	\$5,819.95	Yes	
15	237310		Median Sidewalk Installation	SF	500	\$12.24	\$6,120.00	Yes	
16	237310		Additional New Curb and Gutter	LF	155	\$35.57	\$5,513.35	Yes	
17	237310		Median Removal and Repair	LS	1	\$17,944.50	\$17,944.50	Yes	
18	237310		Curb Ramp Type A with Detectable Warning Tiles	EA	94	\$5,222.23	\$490,889.62	Yes	
19	237310		Curb Ramp Type A (Dowel) with Detectable Warning Tiles	EA	9	\$4,435.84	\$39,922.56	Yes	
20	237310		Curb Ramp Type B with Detectable Warning Tiles	EA	39	\$3,518.81	\$137,233.59	Yes	
21	237310		Curb Ramp Type C1 with Detectable Warning Tiles	EA	8	\$5,879.60	\$47,036.80	Yes	
22	237310		Curb Ramp Type Blended Transition with Detectable Warning Tiles	EA	3	\$7,616.95	\$22,850.85	Yes	
23	237310		Curb Ramp Type A with Detectable Warning Tiles at Northeast Corner of Columbia Street and Ash Street	EA	2	\$8,025.76	\$16,051.52	Yes	
24	237310		Curb Ramp Type A with Detectable Warning Tiles at Southwest Corner of G Street and 1st Avenue	EA	1	\$8,064.53	\$8,064.53	Yes	
25	237310		Curb Ramp Type B with Detectable Warning Tiles at Southwest Corner of Imperial Avenue and 15th Street	EA	1	\$6,376.18	\$6,376.18	Yes	
26	237310		Curb Ramp Type A with Detectable Warning Tiles at Northeast Corner of E Street and Front Street	EA	1	\$6,461.62	\$6,461.62	Yes	
27	237310		Curb Ramp Type A with Detectable Warning Tiles at Northwest Corner of Market Street and 1st Avenue	EA	1	\$6,254.53	\$6,254.53	Yes	
28	237310		Detectable Warning Tile (DWT) Installation - Retrofit at Northeast Corner of Broadway and 5th Avenue	EA	1	\$522.78	\$522.78	Yes	
29	237310		Detectable Warning Tile (DWT) Installation - Retrofit at Southwest Corner of C Street and 5th Avenue	EA	1	\$522.78	\$522.78	Yes	
30	237310		Painted Traffic Stripes and Painted Curb Markings	LF	1500	\$2.62	\$3,930.00	Yes	
31	237310		Removal and Replacement of Existing Paint Striping	LS	1	\$5,879.56	\$5,879.56	Yes	
32	237310		Continental Crosswalk	SF	12000	\$4.28	\$51,360.00	Yes	
33	237310		Thermoplastic Traffic Striping	LF	2050	\$4.28	\$8,774.00	Yes	
34	237310		Thermoplastic Pavement Markings	LS	1	\$2,672.53	\$2,672.53	Yes	
35	238910		Tree Removal and Disposal (Less Than 24-Inch Trunk Diameter)	EA	1	\$3,741.54	\$3,741.54	Yes	
36	237310		Adjust Existing Manhole Frame and Cover to Grade	EA	6	\$1,560.96	\$9,365.76	Yes	
37	237310		Traffic Signal Loop and Appurtenance Replacement (Type E)	EA	88	\$534.51	\$47,036.88	Yes	
38	237310		Traffic Signal Loop and Appurtenance Replacement (Type E Modified)	EA	14	\$561.23	\$7,857.22	Yes	
39	237310		Traffic Signal Loop and Appurtenance Replacement (Type Q)	EA	28	\$801.76	\$22,449.28	Yes	
40	237110		MTS Right of Entry Permit (EOC Type I)	AL	1	\$2,000.00	\$2,000.00	Yes	
41	237110		BNSF Encroachment Permit (EOC Type I)	AL	1	\$2,000.00	\$2,000.00	Yes	
42	541330		Traffic Control and Working Drawings	LS	1	\$47,843.95	\$47,843.95	Yes	
43	237310		Pedestrian Barricade (Type A)	EA	8	\$641.41	\$5,131.28	Yes	
44	237310		Protective Railing at Curb Ramps	EA	5	\$1,924.22	\$9,621.10	Yes	
45	238210		Remove and Reinstall Traffic Signs	EA	13	\$374.15	\$4,863.95	Yes	
46	238210		Remove and Reinstall Existing Light Pole	EA	1	\$7,483.08	\$7,483.08	Yes	
47	238210		Relocate and Reinstall Pull Box	EA	2	\$721.58	\$1,443.16	Yes	
48	237310		Remove and Reinstall Existing Receptacle	EA	11	\$801.76	\$8,819.36	Yes	
49	238210		Pedestrian Push Button, Post and Foundation	EA	11	\$2,111.30	\$23,224.30	Yes	

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
50	238210		Replace Pedestrian Push Button Housing Assembly	EA	15	\$534.51	\$8,017.65	Yes	
51	238210		Pedestrian Push Button	EA	35	\$801.76	\$28,061.60	Yes	
52	237110		Storm Drain Inlet Stenciling	EA	38	\$64.14	\$2,437.32	Yes	
53	561730		Relocate Irrigation System	LS	1	\$11,759.12	\$11,759.12	Yes	
54	541330		WPCP Development	LS	1	\$8,360.78	\$8,360.78	Yes	
55	237310		WPCP Implementation	LS	1	\$7,675.96	\$7,675.96	Yes	

Line Item Subtotals

Section Title	Line Total
Main Bid	\$1,499,229.08
Grand Total	\$1,499,229.08

Line Totals (Unit Price * Quantity)								
Item Num	Section	Item Code	Description	Reference	Unit of Measure	Quantity	L C Paving & Sealing, Inc. - Unit Price	L C Paving & Sealing, Inc. - Line Total
1	Main Bid	524126	Bonds (Payment and Performance)	1-7.2.1	LS	1	\$27,923.57	\$27,923.57
2	Main Bid	237310	Caltrans Encroachment Permit Submittal (EOC Type I)	2-2.3	AL	1	\$2,000.00	\$2,000.00
3	Main Bid	237310	Port of San Diego Encroachment Permit (EOC Type I)	2-2.3	AL	1	\$2,000.00	\$2,000.00
4	Main Bid	541820	Exclusive Community Liaison Services	5-10.4	LS	1	\$9,621.10	\$9,621.10
5	Main Bid	237310	Mobilization	7-3.4.1	LS	1	\$13,774.29	\$13,774.29
6	Main Bid		Field Orders (EOC Type II)	7-3.9	AL	1	\$201,000.00	\$201,000.00
7	Main Bid	237310	Excavate and Export (Unclassified)	300-2.9	CY	15	\$408.06	\$6,120.90
8	Main Bid	237310	Asphalt Pavement Repair	301-1.7	SF	50	\$75.24	\$3,762.00
9	Main Bid	237310	Adjust Existing Water Meter Box Frame and Cover to Grade	301-1.7	EA	2	\$627.29	\$1,254.58
10	Main Bid	237310	Adjust Existing Electrical Pull Box Frame and Cover to Grade	301-1.7	EA	68	\$584.10	\$39,718.80
11	Main Bid	237310	Asphalt Concrete	302-5.9	TON	30	\$222.66	\$6,679.80
12	Main Bid	237310	Cross Gutter	303-5.9	SF	490	\$22.80	\$11,172.00
13	Main Bid	237310	Additional Curb and Gutter Removal and Replacement	303-5.9	LF	250	\$59.23	\$14,807.50

14	Main Bid	237310	Historical and Contractor Date Stamps and Impressions	303-5.9	EA	17	\$342.35	\$5,819.95
15	Main Bid	237310	Median Sidewalk Installation	303-5.9	SF	500	\$12.24	\$6,120.00
16	Main Bid	237310	Additional New Curb and Gutter	303-5.9	LF	155	\$35.57	\$5,513.35
17	Main Bid	237310	Median Removal and Repair	303-5.9	LS	1	\$17,944.50	\$17,944.50
18	Main Bid	237310	Curb Ramp Type A with Detectable Warning Tiles	303-5.10.2	EA	94	\$5,222.23	\$490,889.62
19	Main Bid	237310	Curb Ramp Type A (Dowel) with Detectable Warning Tiles	303-5.10.2	EA	9	\$4,435.84	\$39,922.56
20	Main Bid	237310	Curb Ramp Type B with Detectable Warning Tiles	303-5.10.2	EA	39	\$3,518.81	\$137,233.59
21	Main Bid	237310	Curb Ramp Type C1 with Detectable Warning Tiles	303-5.10.2	EA	8	\$5,879.60	\$47,036.80
22	Main Bid	237310	Curb Ramp Type Blended Transition with Detectable Warning Tiles	303-5.10.2	EA	3	\$7,616.95	\$22,850.85
23	Main Bid	237310	Curb Ramp Type A with Detectable Warning Tiles at Northeast Corner of Columbia Street and Ash Street	303-5.10.2	EA	2	\$8,025.76	\$16,051.52

24	Main Bid	237310	Curb Ramp Type A with Detectable Warning Tiles at Southwest Corner of G Street and 1st Avenue	303-5.10.2	EA	1	\$8,064.53	\$8,064.53
25	Main Bid	237310	Curb Ramp Type B with Detectable Warning Tiles at Southwest Corner of Imperial Avenue and 15th Street	303-5.10.2	EA	1	\$6,376.18	\$6,376.18
26	Main Bid	237310	Curb Ramp Type A with Detectable Warning Tiles at Northeast Corner of E Street and Front Street	303-5.10.2	EA	1	\$6,461.62	\$6,461.62
27	Main Bid	237310	Curb Ramp Type A with Detectable Warning Tiles at Northwest Corner of Market Street and 1st Avenue	303-5.10.2	EA	1	\$6,254.53	\$6,254.53
28	Main Bid	237310	Detectable Warning Tile (DWT) Installation - Retrofit at Northeast Corner of Broadway and 5th Avenue	303-5.10.2	EA	1	\$522.78	\$522.78
29	Main Bid	237310	Detectable Warning Tile (DWT) Installation - Retrofit at Southwest Corner of C Street and 5th Avenue	303-5.10.2	EA	1	\$522.78	\$522.78
30	Main Bid	237310	Painted Traffic Stripes and Painted Curb Markings	314-4.3.7	LF	1500	\$2.62	\$3,930.00

31	Main Bid	237310	Removal and Replacement of Existing Paint Striping	314-4.3.7	LS	1	\$5,879.56	\$5,879.56
32	Main Bid	237310	Continental Crosswalk	314-4.4.6	SF	12000	\$4.28	\$51,360.00
33	Main Bid	237310	Thermoplastic Traffic Striping	314-4.4.6	LF	2050	\$4.28	\$8,774.00
34	Main Bid	237310	Thermoplastic Pavement Markings	314-4.4.6	LS	1	\$2,672.53	\$2,672.53
35	Main Bid	238910	Tree Removal and Disposal (Less Than 24-Inch Trunk Diameter)	401-7	EA	1	\$3,741.54	\$3,741.54
36	Main Bid	237310	Adjust Existing Manhole Frame and Cover to Grade	403-5	EA	6	\$1,560.96	\$9,365.76
37	Main Bid	237310	Traffic Signal Loop and Appurtenance Replacement (Type E)	404-12	EA	88	\$534.51	\$47,036.88
38	Main Bid	237310	Traffic Signal Loop and Appurtenance Replacement (Type E Modified)	404-12	EA	14	\$561.23	\$7,857.22
39	Main Bid	237310	Traffic Signal Loop and Appurtenance Replacement (Type Q)	404-12	EA	28	\$801.76	\$22,449.28
40	Main Bid	237110	MTS Right of Entry Permit (EOC Type I)	600-5	AL	1	\$2,000.00	\$2,000.00
41	Main Bid	237110	BNSF Encroachment Permit (EOC Type I)	600-5	AL	1	\$2,000.00	\$2,000.00
42	Main Bid	541330	Traffic Control and Working Drawings	601-7	LS	1	\$47,843.95	\$47,843.95
43	Main Bid	237310	Pedestrian Barricade (Type A)	701-2	EA	8	\$641.41	\$5,131.28
44	Main Bid	237310	Protective Railing at Curb Ramps	701-2	EA	5	\$1,924.22	\$9,621.10

45	Main Bid	238210	Remove and Reinstall Traffic Signs	701-2	EA	13	\$374.15	\$4,863.95
46	Main Bid	238210	Remove and Reinstall Existing Light Pole	701-2	EA	1	\$7,483.08	\$7,483.08
47	Main Bid	238210	Relocate and Reinstall Pull Box	701-2	EA	2	\$721.58	\$1,443.16
48	Main Bid	237310	Remove and Reinstall Existing Receptacle	701-2	EA	11	\$801.76	\$8,819.36
49	Main Bid	238210	Pedestrian Push Button, Post and Foundation	701-2	EA	11	\$2,111.30	\$23,224.30
50	Main Bid	238210	Replace Pedestrian Push Button Housing Assembly	701-2	EA	15	\$534.51	\$8,017.65
51	Main Bid	238210	Pedestrian Push Button	701-2	EA	35	\$801.76	\$28,061.60
52	Main Bid	237110	Storm Drain Inlet Stenciling	1002-9	EA	38	\$64.14	\$2,437.32
53	Main Bid	561730	Relocate Irrigation System	801-9	LS	1	\$11,759.12	\$11,759.12
54	Main Bid	541330	WPCP Development	1001-4.2	LS	1	\$8,360.78	\$8,360.78
55	Main Bid	237310	WPCP Implementation	1001-4.2	LS	1	\$7,675.96	\$7,675.96
							Subtotal	\$1,499,229.08
							Total	\$1,499,229.08

COVID-19 VACCINATION ORDINANCE

CONTRACTOR INFORMATION

Company Name: L.C. PAVING & SEALING, INC.

Company Address: 620 ALPINE WAY, ESCONDIDO, CA 92029

Company Contact Name: MARISA HAAS

Contact Phone: 760-752-1743

CONTRACT INFORMATION

Contract Number (if none, purchase order number): K-22-2069-DBB-3

Start Date: TBD

Contract Title (or description): CURB RAMP IMPROVEMENT GROUP 1701

End Date: TBD

TERMS OF COMPLIANCE

The Mandatory COVID-19 Vaccination Policy, outlined in San Diego Ordinance O-21398 (Nov. 29, 2021), requires **ALL** City of San Diego (City) contractors, who interact in close contact with City employees while providing contracted services indoors in City facilities or while performing bargaining unit work while indoors, to be fully vaccinated against COVID-19, effective January 3, 2022, as a condition for provision or continued provision of contracted services.

1. "City contractor" means a person who has contracted with the City of San Diego to provide public works, goods, services, franchise, or consultant services for or on behalf of the City, and includes a subcontractor, vendor, franchisee, consultant, or any of their respective officers, directors, shareholders, partners, managers, employees, or other individuals associated with the contractor, subcontractor, consultant, or vendor. "Person" means any natural person, firm, joint venture, joint stock company, partnership, association, club, company, corporation business trust or organization.
2. "Fully vaccinated" means a person has received, at least 14 days prior, either the second dose in a two-dose COVID-19 vaccine series or a single-dose COVID-19 vaccine, or otherwise meets the criteria for full vaccination against COVID-19 as stated in applicable public health guidance, orders, or law. Acceptable COVID-19 vaccines must be approved by the U.S. Food and Drug Administration (FDA) or authorized for emergency use by the FDA or the World Health Organization.
3. "Close Contact" means a City contractor is **within 6 feet** of a City employee for a **cumulative total of 15 minutes or more over a 24-hour period** (for example, three individual 5-minute exposures for a total of 15 minutes).
4. Contractors who interact in close contact with City employees must fully comply with the City's Mandatory COVID-19 Vaccination Policy, which may include a reporting program that tracks employee vaccination status.
5. Contractors with employees or subcontractors who interact in close contact with City employees must certify that those members of their workforce, and subcontractors regardless of tier, who work at a City facility, are fully vaccinated and that the contractor has a program to track employee compliance.
6. Contractors that have an Occupational Safety and Health Administration compliant testing program for members of their workforce, as a reasonable accommodation, may be considered for compliance.

Non-compliance with the City's Mandatory COVID-19 Vaccination Policy may result in termination of a contract for cause, pursuant to the City's General Terms and Provisions, Reference Standards, and the San Diego Municipal Code.

CONTRACTOR CERTIFICATION

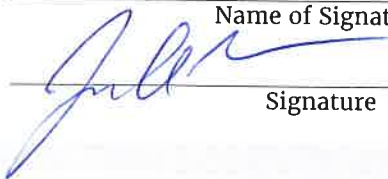
By signing, I JOSE SALINAS, who is an authorized signatory of contractor L.C. PAVING & SEALING, INC., certify under penalty of perjury under the laws of the State of California, compliance with the City's Mandatory COVID-19 Vaccination Policy.

JOSE SALINAS

Name of Signatory

PRESIDENT

Title of Signatory



Signature

03/29/2022

Date

FOR OFFICIAL CITY USE ONLY

Date of Receipt: 03/29/2022

P&C Staff: Rosa Isela Riego

Contract Number: K-22-2069-DBB-3

Date of Receipt:

Compliance Dept. Staff:

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).**

Prime Contractor Name: L.C. PAVING & SEALING, INC.

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: _____	N/A			
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 ****