



Public Works works for the Public

COUNTY OF IMPERIAL

DEPARTMENT OF PUBLIC WORKS

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El Centro, CA  
92243

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**COUNTY OF IMPERIAL PUBLIC WORKS**  
**Heber Avenue Improvements from 10th Street to Fawcett Road (Westside);**  
**County Project No. 6515**

**ADDENDUM NO. 3** **September 13, 2021**

This *ADDENDUM* is hereby made part of the Contract Documents and specifications to the same extent as if originally included therein, and shall be signed by the Bidder and included with the proposal.

- 1. THE PROJECT PLANS HAVE BEEN REPLACED.** Bidders are directed to use the new set of plans dated 9/9/2021 hereby attached and entitled:

HEBER AVENUE ROAD WIDENING AND SIDEWALK IMPROVEMENTS  
COUNTY PROJECT NO. 6515

The new set of plans is also available at Imperial County Public Works Department's website under "Projects Out to Bid" at:

<https://publicworks.imperialcounty.org/projects-out-to-bid/>

It is recommended that original set of plans be destroyed to avoid any confusion.

- 2. REPLACE the Bid Item List, Page 2 of Notice to Bidders with the revised Bid Item List hereby attached.**
- 3. REPLACE DIVISION XIV – DOCUMENTS TO BE EXECUTED BY BIDDER with attached pages 53 to 67.**

John A. Gay, P.E., Director of Public Works

**Acknowledgement of Addendum No. 3**

The general contractor is responsible for advising any and all subcontractors of this change. Each bidder must acknowledge receipt of this addendum in the noted space below and where indicated on the Bidder's Proposal Section of the Special Provisions. This Addendum must be attached to the proposal.

License No: \_\_\_\_\_

Print or Type Company Name: \_\_\_\_\_

Print or Type Authorized Name: \_\_\_\_\_

Authorized Signature of Contractor: \_\_\_\_\_

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

**Heber Avenue Improvements from 10th Street to Fawcett Road  
(Westside)  
County Project No. 6515**

**ATTACHMENTS FOR ADDENDUM NO. 3**

## BID ITEM LIST

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity
1	999990	MOBILIZATION	LS	1
2	120100 120090	TEMPORARY TRAFFIC CONTROL	LS	1
3	130100 130200 130640	WATER POLLUTION CONTROL	LS	1
4	170103	CLEARING AND GRUBBING (LS)	LS	1
5	190101	ROADWAY EXCAVATION	CY	2,260
6	260203	CLASS 2 AGGREGATE BASE (CY)	CY	1,817
7	390132	HOT MIX ASPHALT (TYPE A)	TON	1,100
8	397005	TACK COAT	TON	1.9
9	398200	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	2,130
10	730045A	MINOR CONCRETE (CROSS GUTTER)	CY	8.1
11	731504	MINOR CONCRETE (CURB AND GUTTER)	CY	120
12	731516	MINOR CONCRETE (DRIVEWAY)	CY	88
13	731521	MINOR CONCRETE (SIDEWALK)	CY	87
14	731623	MINOR CONCRETE (CURB RAMP)	CY	2.3
15	730070	DETECTABLE WARNING SURFACE	SQFT	60
16	780250A	ADJUST FIRE HYDRANT	EA	2
17	780254A	ADJUST WATER VALVE COVER	EA	3
18	780256A	ADJUST WATER METER COVER	EA	26
19	780258A	ADJUST SEWER MANHOLE FRAME AND COVER	EA	8
20	800320	CHAIN LINK FENCE (TYPE CL-4)	LF	70
21	803050	REMOVE CHAIN LINK FENCE	LF	82
22	820840A	SIGNING, STRIPING AND PAVEMENT MARKINGS	LS	1
23	870700A	SOLAR FLASHING BEACON SYSTEM (2 ASSEMBLIES PER SYSTEM)	EA	2
24	070030	LEAD COMPLIANCE PLAN	LS	1
25		SURVEYING AND CONSTRUCTION STAKING	LS	1
26		MONUMENT PRESERVATION / PERPETUATION	LS	1

**DIVISION XIV  
DOCUMENTS TO BE EXECUTED BY BIDDER**

(Because some colored inks will not reproduce in copy machines, please use black ink to complete this proposal.)  
(DO NOT DETACH)

**PROPOSAL TO THE COUNTY OF IMPERIAL**

DEPARTMENT OF PUBLIC WORKS  
County Project No. 6515

NAME OF BIDDER \_\_\_\_\_

BUSINESS P.O. BOX \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

BUSINESS STREET ADDRESS \_\_\_\_\_

*(Please include even if P.O. Box used)*

CITY, STATE, ZIP \_\_\_\_\_

TELEPHONE NO:      AREA CODE (      ) \_\_\_\_\_

FAX NO:              AREA CODE (      ) \_\_\_\_\_

CONTRACTOR LICENSE NO. \_\_\_\_\_

EMAIL ADDRESS \_\_\_\_\_

The work for which this proposal is submitted is for construction in conformance with the special provisions (including the payment of not less than the State general prevailing wage rates or Federal minimum wage rates), the project plans described below, including any addenda thereto, the contract annexed hereto, and also in conformance with the 2018 California Department of Transportation Standard Plans, Standard Specifications, and the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished.

The special provisions for the work to be done are dated July 27, 2021 and are entitled:

**COUNTY OF IMPERIAL  
DEPARTMENT OF PUBLIC WORKS**

**NOTICE TO BIDDERS  
SPECIAL PROVISIONS  
PROPOSAL AND BID BOOK  
FOR**

**HEBER AVENUE IMPROVEMENTS FROM 10<sup>TH</sup> STREET TO FAWCETT ROAD  
(WESTSIDE)  
County of Imperial Project No. 6515**

The project plans for the work to be done were approved: September 9, 2021 and are entitled:

**HEBER AVENUE IMPROVEMENTS FROM 10<sup>TH</sup> STREET TO FAWCETT ROAD  
(WESTSIDE)  
County of Imperial Project No. 6515**

Bids are to be submitted for the entire work. The amount of the bid for comparison purposes will be the total of all items.

The bidder shall set forth for each unit basis item of work an item price and a total for the item, and for each lump sum item a total for the item, all in clearly legible figures in the respective spaces provided for this purpose. In the case of unit basis items the amount set forth under the "Total" column shall be the extension of the item price bid on the basis of the estimated quantity for the item.

In case of discrepancy between the unit price and the total set forth for a unit basis item, the item price shall prevail, provided in (a) or (b), as follows:

- (a) If the amount set forth as a unit price is unreadable or otherwise unclear, or is omitted, or is the same as the amount of the entry in the item total column, then the amount set forth in the item total column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the unit price;
- (b) (Decimal Errors) If the product of the entered unit price and the estimated quantity is exactly off by a factor of ten, one hundred, etc., or one-tenth, or one-hundredth, etc. from the entered total, the discrepancy will be resolved by using the entered unit price or item total, whichever most closely approximates percentage-wise the unit price or item total in the County of Imperial's Final Estimate of cost.

If both the unit price and the item total are unreadable or otherwise unclear, or are omitted, the bid may be deemed irregular. Likewise if the item total for a lump sum item is unreadable or otherwise unclear, or is omitted, the bid may be deemed irregular unless the project being bid has only a single item and a clear, readable total bid is provided.

Symbols such as commas and dollar signs will be ignored and have no mathematical significance in establishing any unit price or item total or lump sums. Written unit prices, item totals and lump sums will be interpreted according to the number of digits and, if applicable, decimal placement. Cents symbols also have no significance in establishing any unit price or item total since all figures are assumed to be expressed in dollars and/or decimal fractions of a dollar. Bids on lump sum items shall be item totals only; if any unit price for a lump sum item is included in a bid and it differs from the item total, the items total shall prevail.

The foregoing provisions for the resolution of specific irregularities cannot be so comprehensive as to cover every omission, inconsistency, error or other irregularity which may occur in a bid. Any situation not specifically provided for will be determined in the discretion of the County of Imperial, and that discretion will be exercised in the manner deemed by the County of Imperial to best protect the public interest in the prompt and economical completion of the work. The decision of the County of Imperial respecting the amount of a bid, or the existence or treatment of an irregularity in a bid, shall be final.

If this proposal shall be accepted and the undersigned shall fail to enter into the contract and furnish the 2 bonds in the sums required by the State Contract Act, with surety satisfactory to the *County of Imperial*, within 8 days, not including Saturdays, Sundays and legal holidays, after the bidder has received notice from the *County of Imperial* that the contract has been awarded, the *County of Imperial* may, at its option, determine that the bidder has

abandoned the contract, and thereupon this proposal and the acceptance thereof shall be null and void and the forfeiture of the security accompanying this proposal shall operate and the same shall be the property of the *County of Imperial*.

The undersigned, as bidder, declares that the only persons or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion with any other person, firm, or corporation; that he has carefully examined the location of the proposed work, the annexed proposed form of contract, and the plans therein referred to; and he proposes, and agrees if this proposal is accepted, that he will contract with the *County of Imperial*, in the form of the copy of the contract annexed hereto, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish all the materials specified in the contract, in the manner and time therein prescribed, and according to the requirements of the Engineer as therein set forth, and that he will take in full payment therefore the following prices, to wit:

### BID ITEM LIST

Item No.	Item Code	ITEM DESCRIPTION	Unit	Quantity	ITEM PRICE	TOTAL
1	999990	MOBILIZATION	LS	1		
2	120100 120090	TEMPORARY TRAFFIC CONTROL	LS	1		
3	130100 130200 130640	WATER POLLUTION CONTROL	LS	1		
4	170103	CLEARING AND GRUBBING (LS)	LS	1		
5	190101	ROADWAY EXCAVATION	CY	2,260		
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7	390132	HOT MIX ASPHALT (TYPE A)	TON	1,100		
8	397005	TACK COAT	TON	1.9		
9	398200	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	2,130		
10	730045 A	MINOR CONCRETE (CROSS GUTTER)	CY	8.1		
11	731504	MINOR CONCRETE (CURB AND GUTTER)	CY	120		
12	731516	MINOR CONCRETE (DRIVEWAY)	CY	88		
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14	731623	MINOR CONCRETE (CURB RAMP)	CY	2.3		
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16	780250 A	ADJUST FIRE HYDRANT	EA	2		
17	780254 A	ADJUST WATER VALVE COVER	EA	3		
18	780256 A	ADJUST WATER METER COVER	EA	26		
19	780258 A	ADJUST SEWER MANHOLE FRAME AND COVER	EA	8		
20	800320	CHAIN LINK FENCE (TYPE CL-4)	LF	70		
21	803050	REMOVE CHAIN LINK FENCE	LF	82		
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24	070030	LEAD COMPLIANCE PLAN	LS	1		
25		SURVEYING AND CONSTRUCTION STAKING	LS	1		
26		MONUMENT PRESERVATION / PERPETUATION	LS	1		

Total \_\_\_\_\_



Accompanying this proposal is \_\_\_\_\_

(NOTICE: INSERT THE WORDS "CASH(\$ \_\_\_\_\_)," "CASHIER'S CHECK,"  
"CERTIFIED CHECK," OR "BIDDER'S BOND," AS THE CASE MAY BE.)

in amount equal to at least ten percent of the total of the bid.

The names of all persons interested in the foregoing proposal as principals are as follows:

**IMPORTANT NOTICE:** *If bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a copartnership, state true name of firm, also names of all individual copartners composing firm; if bidder or other interested person is an individual, state first and last names in full.*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Licensed in conformance with an act providing for the registration of Contractors,

License No. \_\_\_\_\_ Classification(s) \_\_\_\_\_

**ADDENDA**

This Proposal is submitted with respect to the changes to the contract included in addenda number/s

\_\_\_\_\_  
*(Fill in addenda numbers if addenda have been received and insert, in this Proposal, any Engineer's Estimate sheets that were received as part of the addenda.)*

By my signature on this proposal I certify, under penalty of perjury under the laws of the State of California, that the foregoing questionnaire and statements of Public Contract Code Sections 10162, 10232 and 10285.1 are true and correct and that the bidder has complied with the requirements of Section 8103 of the Fair Employment and Housing Commission Regulations (Chapter 5, Title 2 of the California Administrative Code). By my signature on this proposal I further certify, under penalty of perjury under the laws of the State of California and the United States of America, that the Noncollusion Affidavit required by Title 23 United States Code, Section 112 and Public Contract Code Section 7106; and the Title 49 Code of Federal Regulations, Part 29 Debarment and Suspension Certification are true and correct.

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



\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature and Title of Bidder

Business Address \_\_\_\_\_

Place of Business \_\_\_\_\_

Place of Residence \_\_\_\_\_

**COUNTY OF IMPERIAL  
DEPARTMENT OF PUBLIC WORKS  
BIDDER'S BOND**

KNOW ALL MEN BY THESE PRESENTS,

We \_\_\_\_\_,  
\_\_\_\_\_, as Principal,

and \_\_\_\_\_  
as SURETY are bound unto the County of Imperial, State of California, hereafter referred to as "Obligee", in the penal sum of TEN PERCENT (10%) of THE TOTAL AMOUNT OF THE BID of the Principal submitted to the Obligee for the work described below, for the payment of which sum we bind ourselves, jointly and severally

**THE CONDITION OF THIS OBLIGATION IS SUCH, THAT:**

Whereas, the Principal is submitted the Obligee, For \_\_\_\_\_

\_\_\_\_\_  
(Copy here the exact description of work, including location as it appears on the proposal)

For which bids are to be opened at \_\_\_\_\_ on \_\_\_\_\_  
(insert place where bids will be opened) (insert date of bid opening)

NOW, THEREFORE, If the Principal is awarded the contract and, within the time and manner required under the specifications, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in accordance with the bid, and files two bonds with the Obligee, one to guarantee faithful performance of the contract and the other to guarantee payment for labor and materials, as required by law, then this obligation shall be null and void; otherwise, it shall be and remain in full force.

In the event suit is brought upon this bond by the Obligee and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the court.

Dated: \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Principal  
\_\_\_\_\_  
Surety  
By \_\_\_\_\_  
Attorney-in-fact

**CERTIFICATE OF ACKNOWLEDGEMENT**

State of California  
County of Imperial, SS

On this \_\_\_\_\_ Day of \_\_\_\_\_ in the year 20\_\_\_\_ before me \_\_\_\_\_,  
\_\_\_\_\_, personally appeared \_\_\_\_\_, personally known to me  
(or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this instrument as the attorney-in-fact of \_\_\_\_\_, and acknowledged to me that he (she) subscribed the name of the said company thereto as surety, and his (her) own name as attorney-in-fact.

(SEAL)

\_\_\_\_\_  
Notary Public

## **PUBLIC CONTRACT CODE**

### **PUBLIC CONTRACT CODE SECTION 10285.1 STATEMENT**

In conformance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder has \_\_\_\_\_, has not \_\_\_\_\_ been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

Note: The bidder must place a checkmark after "has" or "has not" in one of the blank spaces provided. The above Statement is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

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### **PUBLIC CONTRACT CODE SECTION 10162 QUESTIONNAIRE**

In conformance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes \_\_\_\_\_ No \_\_\_\_\_

If the answer is yes, explain the circumstances in the following space.

## **PUBLIC CONTRACT CODE 10232 STATEMENT**

In conformance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two-year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

Note: The above Statement and Questionnaire are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement and Questionnaire.  
Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

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**NONCOLLUSION AFFIDAVIT TO BE EXECUTED  
BY BIDDER AND SUBMITTED WITH BID**

(Title 23 United States Code Section 112 and  
Public Contract Code 7106)

**To the County of Imperial  
Department of Public Works**

In conformance with Title 23 United States Code Section 112 and Public Contract Code 7106 the bidder declares 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 therefor, 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.

Note:           The above Non-collusion Affidavit is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Non-collusion Affidavit.  
Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

The Bidder shall list the name and address, Contractor license number, and description of portion of work subcontracted of each subcontractor to whom the Bidder proposes to subcontract portions of the work, as required by the provisions of the Standard Specifications and of the special provisions.

**LIST OF SUBCONTRACTORS**

Business Name and Location	California Contractor License Number	Description of Portion of Work	Bid Items Numbers	Percentage of Bid Item Subcontracted

*(THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THIS PROPOSAL SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATIONS WHICH ARE A PART OF THIS PROPOSAL)*

## EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

The bidder \_\_\_\_\_, proposed subcontractor \_\_\_\_\_, hereby certifies that he has \_\_\_\_\_, has not \_\_\_\_\_, participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

**Note:** The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

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\_\_\_\_\_  
Signature

## DEBARMENT AND SUSPENSION CERTIFICATION

TITLE 49, CODE OF FEDERAL REGULATIONS, PART 29

The bidder, under penalty of perjury, certifies that, except as noted below, he/she or any other 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 agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal 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.

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Notes: Providing false information may result in criminal prosecution or administrative sanctions. The above certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.



**DISCLOSURE OF LOBBYING ACTIVITIES**

COMPLETE THIS FORM TO DISCLOSE LOBBYING ACTIVITIES PURSUANT TO 31 U.S.C. 1352

<p><b>1. Type of Federal Action:</b></p> <p><input type="checkbox"/> a. contract  <input type="checkbox"/> b. grant  <input type="checkbox"/> c. cooperative agreement  <input type="checkbox"/> d. loan  <input type="checkbox"/> e. loan guarantee  <input type="checkbox"/> f. loan insurance</p>	<p><b>2. Status of Federal Action:</b></p> <p><input type="checkbox"/> a. bid/offer/application  <input type="checkbox"/> b. initial award  <input type="checkbox"/> c. post-award</p>	<p><b>3. Report Type:</b></p> <p><input type="checkbox"/> a. initial  <input type="checkbox"/> b. material change</p> <p style="text-align: right;"><b>For Material Change Only:</b>                  year _____ quarter _____                  date of last report _____</p>
<p><b>4. Name and Address of Reporting Entity</b></p> <p><input type="checkbox"/> Prime                      <input type="checkbox"/> Subawardee                  Tier _____, if known</p> <p style="text-align: center;">Congressional District, if known</p>	<p><b>5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:</b></p> <p style="text-align: center;">Congressional District, if known</p>	
<p><b>6. Federal Department/Agency:</b></p>	<p><b>7. Federal Program Name/Description:</b></p> <p style="text-align: right;">CFDA Number, if applicable _____</p>	
<p><b>8. Federal Action Number, if known:</b></p>	<p><b>9. Award Amount, if known:</b></p>	
<p><b>10. a. Name and Address of Lobby Entity</b> (If individual, last name, first name, MI)</p>	<p><b>b. Individuals Performing Services</b> (including address if different from No. 10a) (last name, first name, MI)</p>	
(attach Continuation Sheet(s) if necessary)		
<p><b>11. Amount of Payment (check all that apply)</b></p> <p>\$ _____ <input type="checkbox"/> actual    <input type="checkbox"/> planned</p>	<p><b>13. Type of Payment (check all that apply)</b></p> <p><input type="checkbox"/> a. retainer  <input type="checkbox"/> b. one-time fee  <input type="checkbox"/> c. commission  <input type="checkbox"/> d. contingent fee  <input type="checkbox"/> e. deferred  <input type="checkbox"/> f. other, specify _____</p>	
<p><b>12. Form of Payment (check all that apply):</b></p> <p><input type="checkbox"/> a. cash  <input type="checkbox"/> b. in-kind; specify: nature _____                  value _____</p>		
<p><b>14. Brief Description of Services Performed or to be performed and Date(s) of Service, including officer(s), employee(s), or member(s) contacted, for Payment Indicated in Item 11:</b></p> <p style="text-align: center;">(attach Continuation Sheet(s) if necessary)</p>		
<p><b>15. Continuation Sheet(s) attached:</b>    Yes <input type="checkbox"/>    No <input type="checkbox"/></p>		
<p><b>16. Information requested through this form is authorized by Title 31 U.S.C. Section 1352. This disclosure of lobbying reliance was placed by the tier above when his transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semiannually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</b></p>		
<p>Signature: _____</p> <p>Print Name: _____</p> <p>Title: _____</p> <p>Telephone No.: _____ Date: _____</p>		<p>Authorized for Local Reproduction Standard Form - LLL</p>
<p><b>Federal Use Only:</b></p>		

**INSTRUCTIONS FOR COMPLETION OF SF-LLL,  
DISCLOSURE OF LOBBYING ACTIVITIES**

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of covered Federal action or a material change to previous filing pursuant to title 31 U.S.C. section 1352. The filing of a form is required for such payment or agreement to make payment to lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress an officer or employee of Congress or an employee of a Member of Congress in connection with a covered Federal action. Attach a continuation sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence, the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last, previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District if known. Check the appropriate classification of the reporting entity that designates if it is or expects to be a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the first tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in Item 4 checks "Subawardee" then enter the full name, address, city, state and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organization level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identification in item 1 (e.g., Request for Proposal (RFP) number, Invitation for Bid (IFB) number, grant announcement number, the contract grant, or loan award number, the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitments for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influenced the covered Federal action.  
(b) Enter the full names of the individual(s) performing services and include full address if different from 10 (a). Enter Last Name, First Name and Middle Initial (MI).
11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (item 4) to the lobbying entity (item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
12. Check the appropriate box. Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
13. Check the appropriate box. Check all boxes that apply. If other, specify nature.
14. Provide a specific and detailed description of the services that the lobbyist has performed or will be expected to perform and the date(s) of any services rendered. Include all preparatory and related activity not just time spent in actual contact with Federal officials. Identify the Federal officer(s) or employee(s) contacted or the officer(s) employee(s) or Member(s) of Congress that were contacted.
15. Check whether or not a continuation sheet(s) is attached.
16. The certifying official shall sign and date the form, print his/her name title and telephone number.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503.

SF-LLL-Instructions Rev 06-04-00-ENRDP



# COUNTY OF IMPERIAL

## HEBER AVENUE STREET WIDENING AND SIDEWALK IMPROVEMENT COUNTY PROJECT No. 6515



### GENERAL NOTES

#### STREET IMPROVEMENT GENERAL NOTES

- COUNTY ENCROACHMENT PERMIT CONDITIONS AND PROVISIONS SHALL TAKE PRECEDENCE OVER THE APPROVED PLANS AND SPECIFICATIONS FOR ANY CONFLICTS.
- THE STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH IMPERIAL COUNTY STANDARDS (OR CALTRANS IF IN STATE ROW) AND AS APPROVED BY THE PUBLIC WORKS DIRECTOR (OR CALTRANS).
- APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
- ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF BERM, CURB, CROSS-GUTTER AND PAVING.
- THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER THAT IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- UTILITIES COORDINATION

NO LESS THAN 3 WORKING DAYS PRIOR TO ANY EXCAVATION OR TRENCHING, EACH CONTRACTOR DOING SUCH WORK SHALL CONTACT THE FOLLOWING AGENCIES SO THAT EXISTING UNDERGROUND UTILITIES MAY BE LOCATED. THE AGENCY MAY REQUIRE AN INSPECTOR TO BE PRESENT.

- |   |                  |
|---|------------------|
| 1. APPROPRIATE WATER/SEWER UTILITY      | TO BE DETERMINED |
| 2. IMPERIAL IRRIGATION DISTRICT (POWER) | (760) 339-9280   |
| 3. IMPERIAL IRRIGATION DISTRICT (WATER) | (760) 339-9263   |
| 4. PACIFIC BELL                         | (800) 422-4133   |
| 5. THE GAS CO.                          | 811              |
| 6. CATV                                 | (800) 312-6512   |

#### EXISTING UNDERGROUND UTILITIES

BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES. LOCATION OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY CONTRACTOR PRIOR TO CONSTRUCTION OF WORK.

CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HERON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

ACCURATE VERIFICATIONS AS TO SIZE, LOCATION AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL NOTIFY THE SOUTHERN CALIFORNIA GAS COMPANY, PACIFIC BELL, TELEPHONE COMPANY, IMPERIAL IRRIGATION DISTRICT AND ANY OTHER AFFECTED UTILITY AGENCIES PRIOR TO STARTING HIS WORK NEAR SUCH UTILITY FACILITIES AND SHALL COORDINATE HIS WORK WITH UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTACT "UNDERGROUND SERVICE ALERT" AT 811 (formerly 1-800-422-4133).

- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS AND BEAR THE COST OF RELOCATIONS, IF NEEDED.
- NOT USED
- NO PAVING SHALL BE DONE UNTIL EXISTING POWER POLES ARE RELOCATED OUTSIDE THE AREAS TO BE PAVED.
- NOT USED
- ALL SIGNS TO BE ALUMINUM WITH 3M HIGH INTENSITY TYPE REFLECTIVE FACE OR EQUIVALENT.
- CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR SHALL DO ALL NEW STRIPING AND SANDBLASTING OF REDUNDANT STRIPING.
- THE CONSTRUCTION OF ONE PCC STANDARD DRIVEWAY PER LOT, LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OF WORK, PCC SURFACING OF DRIVEWAY TO EXTEND FROM CURB TO PROPERTY LINE UNLESS OTHERWISE SHOWN.

- THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AN ENCROACHMENT PERMIT FROM THE COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS FOR ANY EXCAVATION OR CONSTRUCTION WITHIN COUNTY ROAD RIGHT-OF-WAY. FOR INSPECTIONS, 48 HOUR MINIMUM NOTICE IS REQUIRED, (442) 265-1818. ADDITIONALLY, UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED TWO WORKING DAYS BEFORE THE CONTRACTOR MAY EXCAVATE. THEY'RE CONTACT NUMBER 811 (formally (800) 422-4133). ALL WORK AND MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS OR THEIR REPRESENTATIVE.
- NO REVISIONS OF ANY KIND SHALL BE MADE TO THESE PLANS WITHOUT THE PRIOR WRITTEN APPROVAL OF BOTH THE COUNTY ENGINEER (OR HIS REPRESENTATIVE) AND THE ENGINEER OF RECORD. A REPRODUCIBLE AS-BUILT PLAN SET WILL BE PROVIDED TO THE PUBLIC WORKS DEPARTMENT AS A CONDITION OF SUBSTANTIAL CONSTRUCTION COMPLETION AND PRIOR TO ACCEPTANCE.
- ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS. THE IMPERIAL COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS AND ENCROACHMENT PERMIT CONDITIONS, ANY REFERENCED STANDARDS AND SPECIFICATIONS AND THE SPECIFICATIONS & THE REQUIREMENTS OF THE AGENCIES REFERRED TO HEREIN. ALL WORK SHOWN OR INDICATED BY THESE PLANS SHALL BE COMPLETED IN ACCORDANCE WITH THE STANDARDS, POLICIES AND REGULATIONS OF IMPERIAL COUNTY; WHERE, OR IF, CONFLICTS OCCUR, THEN THE IMPERIAL COUNTY REQUIREMENTS SHALL GOVERN.
- UNLESS SPECIFICALLY INDICATED OTHERWISE METHODS EMPLOYED AND MATERIAL USED IN THE CONSTRUCTION OF ALL OFFSITE IMPROVEMENTS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE "STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED MAY 2006". ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL AS REQUIRED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DIVISION OF SAFETY AND TO ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS AND STANDARDS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A GENERAL CONSTRUCTION ACTIVITY STORM WATER PERMIT FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF WATER QUALITY. CONTACT "STATE WATER RESOURCES CONTROL BOARD, DIVISION OF WATER QUALITY, ATTENTION: STORM WATER PERMIT UNIT, P.O. BOX 1977, SACRAMENTO, CALIFORNIA, 95812".
- CONSTRUCTION PROJECTS DISTURBING MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNER/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD, PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.
- NOT USED
- EXISTING STORM DRAIN PIPES/CULVERTS WHETHER TO BE CONNECTED TO, EXTENDED, ADJUSTED, DRAINED TO, OR JUST IN PROJECT VICINITY SHALL BE REPAIRED AND/OR CLEANED TO MAKE THEM FUNCTIONAL AND ACCEPTABLE AS DIRECTED BY THE PUBLIC WORKS DIRECTOR.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT WORK AREA TRAFFIC CONTROL HANDBOOK OR AS DIRECTED BY THE IMPERIAL COUNTY TRAFFIC ENGINEER.
- ANY EXISTING SURVEY MONUMENTS OR COUNTY RECOGNIZED BENCHMARKS SHALL BE PROTECTED BY THE CONTRACTOR. SHOULD ANY SUCH MONUMENTS OR BENCHMARKS BE REMOVED, DAMAGED, OBLITERATED OR ALTERED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER RESETTLEMENT OF THE SAME AS PER THE SUBDIVISION MAP ACT, THE PROFESSIONAL LAND SURVEYORS ACT AND TO THE SATISFACTION OF THE COUNTY SURVEYOR/DIRECTOR OF PUBLIC WORKS. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER.
- NOT USED
- DUST SHALL BE CONTROLLED BY THE CONTRACTOR IN ACCORDANCE WITH ALL IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT (APCD) FUGITIVE DUST CONTROL RULES AND REGULATIONS AND SHALL COMPLY WITH THEIR PERMITTING REQUIREMENTS, IF APPLICABLE.

#### GRADING PLAN GENERAL NOTES

- NOT USED
- FINAL APPROVAL OF THESE GRADING PLANS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE. FINAL CURB GRADE ELEVATIONS MAY REQUIRE CHANGES IN THESE PLANS.
- IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
- NOT USED
- NOT USED
- NOT USED
- NOT USED
- NOT USED
- ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTOURED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SURFACES.

- NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SLIDING, SCOUR OR OTHER DAMAGE, WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THE PLAN. THE COUNTY WILL HOLD THE PERMITEE RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.
- SPECIAL CONDITION: IF ANY ARCHEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING OPERATION, SUCH OPERATION WILL CEASE IMMEDIATELY AND THE PERMITEE WILL NOTIFY THE DIRECTOR OF THE PLANNING DEPARTMENT AND THE DISCOVERY. GRADING OPERATION WILL NOT RECOMMENCE UNTIL THE PERMITEE HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PLANNING TO DO SO.
- THE CONSTRUCTION OF ONE PCC STANDARD DRIVEWAY PER LOT, LOCATION TO BE DETERMINED IN THE FIELD BY ENGINEER OF WORK AND APPROVED BY COUNTY PUBLIC WORKS INSPECTOR. PCC SURFACING OF DRIVEWAY TO EXTEND FROM CURB TO PROPERTY LINE.
- ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE APPENDIX CHAP. 33, AS AMENDED BY TITLE 9 LAND USE ORDINANCE.
- ALL PROPERTY CORNERS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AND/OR GRADING.
- DURING ROUGH GRADING OPERATIONS AND PRIOR TO THE CONSTRUCTION OF ANY PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHALL BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO CONTIGUOUS PROPERTIES.
- DUST SHALL BE CONTROLLED IN ACCORDANCE WITH THE APPROVED PM10 PLAN. APPROVAL SHALL BE BY IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT.
- NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL THE EXISTING GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL AND OTHER DELETERIOUS MATERIAL.
- THE MAXIMUM ALLOWABLE CUT AND FILL SLOPES ARE 2:1, UNLESS A SLOPE STABILITY ANALYSIS AUTHORIZES A STEEPER SLOPE AND HAS BEEN APPROVED.
- A 5' WIDE BY 1' HIGH BERM, OR EQUIVALENT, SHALL BE CONSTRUCTED ALONG THE TOP OF ALL FILL SLOPES OVER 5' IN VERTICAL HEIGHT. ALL SLOPES LESS THAN OR EQUAL TO 5' SHALL HAVE A BERM TO PREVENT DRAINAGE FROM ERODING SAME.
- NOT USED
- NO OBSTRUCTION OF FLOOD PLAINS OR NATURAL WATER COURSES WILL BE PERMITTED.
- ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION DURING STORM CONDITIONS. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT CONTIGUOUS PROPERTIES DURING GRADING OPERATIONS.
- NOT USED
- A SUITABLY QUALIFIED AND REGISTERED PROFESSIONAL SHALL SUBMIT A WRITTEN CERTIFICATION TO THE PUBLIC WORKS DEPARTMENT THAT THE FINAL GRADING HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS FOR ALL GRADING DESIGNATED AS "ENGINEERED GRADING". AS-BUILT PLANS SHALL BE PROVIDED PRIOR TO FINAL ACCEPTANCE.

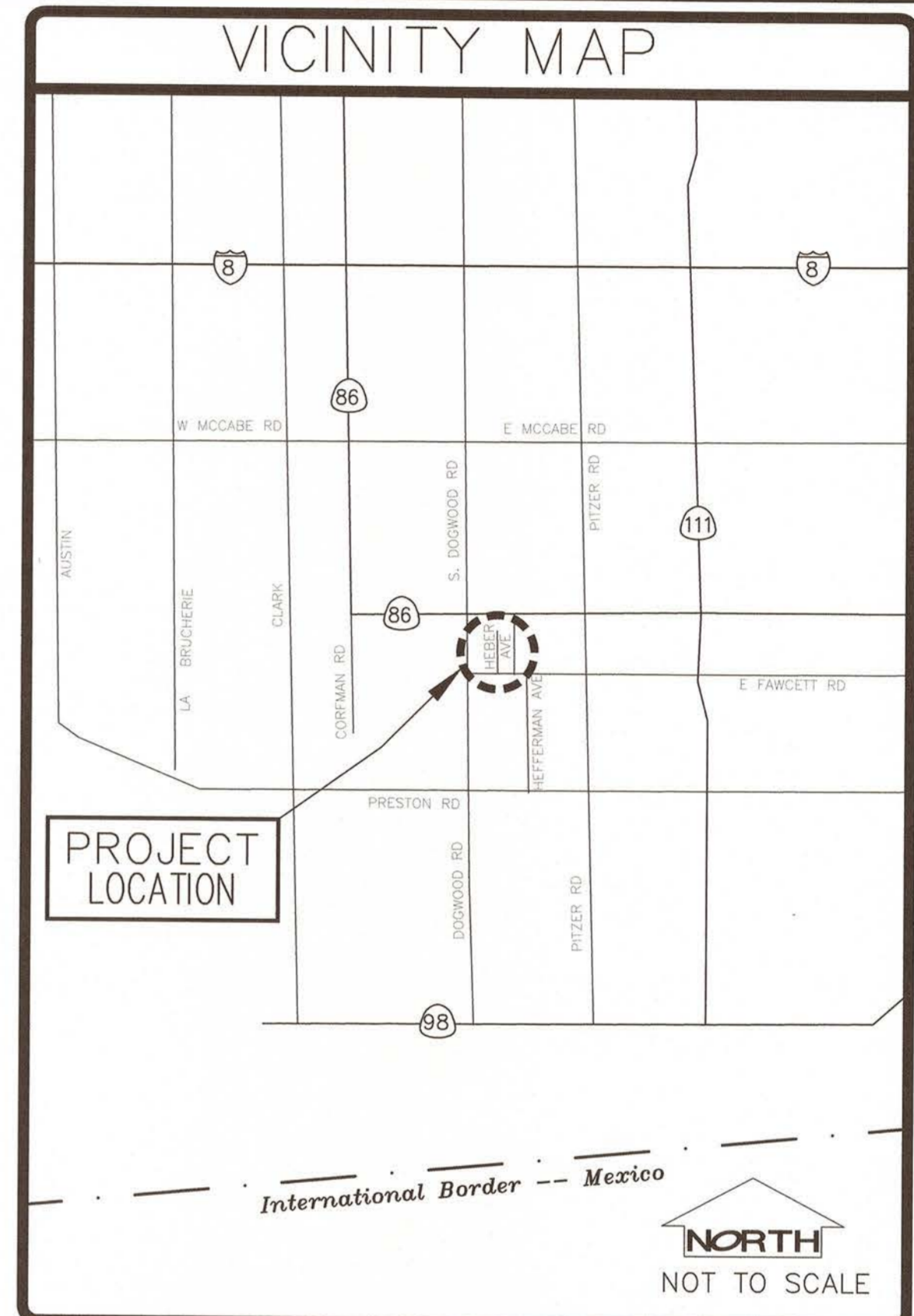
### SOILS ENGINEER'S CERTIFICATION

A GEOTECHNICAL REPORT FOR THIS PROJECT WAS PERFORMED BY UNDERSIGNED OR UNDER MY SUPERVISION.

THE REPORT TITLED:  
LIMITED GEOTECHNICAL STUDY REPORT,  
HEBER AVENUE SIDEWALK IMPROVEMENTS  
HEBER, IMPERIAL COUNTY, CA.  
DATED: AUGUST 14, 2020.

THESE PLANS HAVE BEEN REVIEWED BY THE UNDERSIGNED AND FOUND TO BE IN GENERAL CONFORMANCE WITH THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL REPORT.

*Carl Henderson* 7/19/2021 DATE  
CARL FRANCISCO HENDERSON  
LICENSE No. GE 2886  
EXPIRATION DATE 06/30/2023



### EARTHWORK

CUT VOLUME:	MAXIMUM SLOPE: N/A
FILL VOLUME:	
NET VOLUME:	

### ABBREVIATIONS

AGG.	AGGREGATE	MIN	MINIMUM
APPROX.	APPROXIMATE	N	NORTH
Asph.	ASPHALT	N/O	NORTH OF
B.M.	BENCHMARK	N.T.S.	NOT TO SCALE
CL	CENTERLINE	PROP.	PROPOSED
CLR OR CL	CLEARANCE	REINF.	REINFORCEMENT
CONC.	CONCRETE	R/W OR ROW	RIGHT-OF-WAY
E	EAST	RD	ROAD
E/O	EAST OF	STA.	STATION
E.P.	EDGE OF PAVEMENT	S	SOUTH
EL. OR ELEV.	ELEVATION	S/O	SOUTH OF
EX. OR EXIST.	EXISTING	T.P.	TOP OF PAVEMENT
F.L.	FLOW LINE	THK.	THICK
F.S.	FINISH SURFACE	TYP	TYPICAL
L.F.	LINEAL FEET	W	WEST
MAX	MAXIMUM	W/O	WEST OF

TOPOGRAPHICAL SURVEY CONDUCTED BY:  
MAP AND DIGITAL DATA PREPARED BY:  
SURVEY GROUND CONTROL PROVIDED BY:  
SURVEY VERTICAL CONTROL PROVIDED BY:

### SYMBOLS

ITEM NO.	ITEM	SYMBOL
1	STREET R/W LINE	---
2	STREET C/L	---
3	CABLE TV	---
4	DRAIN (FIELD)	---
5	EX. EDGE OF ASPH.	---
6	PROP. EDGE OF ASPH.	---
7	EX. ASPHALT CONC.	---
8	PROP. ASPHALT CONC.	---
9	EDGE OF DIRT	---
10	GUARD RAIL	---
11	ROAD STRIPING	---
12	CONTOURS - MAJOR	---
13	CONTOURS - MINOR	---
14	CONTROL	---
15	SPOT ELEVATION	---
16	BENCHMARK (SEE DESCRIPTION)	---
17	BORROW PIT ELEVATIONS	---
18	PROPOSED BORROW PIT	---
19	LIMIT OF RECONSTRUCTION	---
20	CROSS GUTTER	---

### SHEET INDEX

1	TITLE SHEET
2-3	SURVEY CONTROL TOPOGRAPHIC
4-5	DEMOLITION PLAN
6-7	CIVIL DETAILS
8	FENCE REPLACEMENT DETAILS
9-12	PLAN & PROFILE
13-14	DRIVEWAY AND PEDESTRIAN RAMP DETAILS
15-18	EROSION CONTROL
19	SIGNING AND STRIPING
20-25	TRAFFIC CONTROL
26	FUNDING ACKNOWLEDGEMENT SIGN

### BENCHMARK

PROJECT BENCHMARK:  
BENCHMARK : SEE SHEET 2, SURVEY CONTROL TOPOGRAPHIC No. 1

### DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT 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 COUNTY OF IMPERIAL IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

*Darab Bouzarjomehri*  
DARAB BOUZARJOMEHRI, P.E.  
NVS, INC.  
15092 AVENUE OF SCIENCE, SUITE 200  
SAN DIEGO, CA 92128  
R.C.E.: 54870  
EXP. DATE: 6/30/22

3/17/21 DATE

REVISION	DATE	COMMENTS

PREPARED UNDER THE DIRECT SUPERVISION OF:

*Darab Bouzarjomehri*  
DARAB BOUZARJOMEHRI, P.E.  
NVS  
3/17/2021 DATE

54870 R.C.E. No.  
6/30/22 REG. EXP.

*John A. Gay*  
JOHN A. GAY  
REGISTERED PROFESSIONAL ENGINEER  
No. 62028  
Exp. 9-30-21  
CIVIL  
STATE OF CALIFORNIA

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
APPROVED FOR CONSTRUCTION BY:

*John A. Gay*  
JOHN A. GAY, P.E.  
ROAD COMMISSIONER  
9/30/21 DATE

62028 R.C.E. No.  
9/30/21 REG. EXP.

PUBLIC WORKS DEPARTMENT  
COUNTY OF IMPERIAL  
EL CENTRO, CALIFORNIA

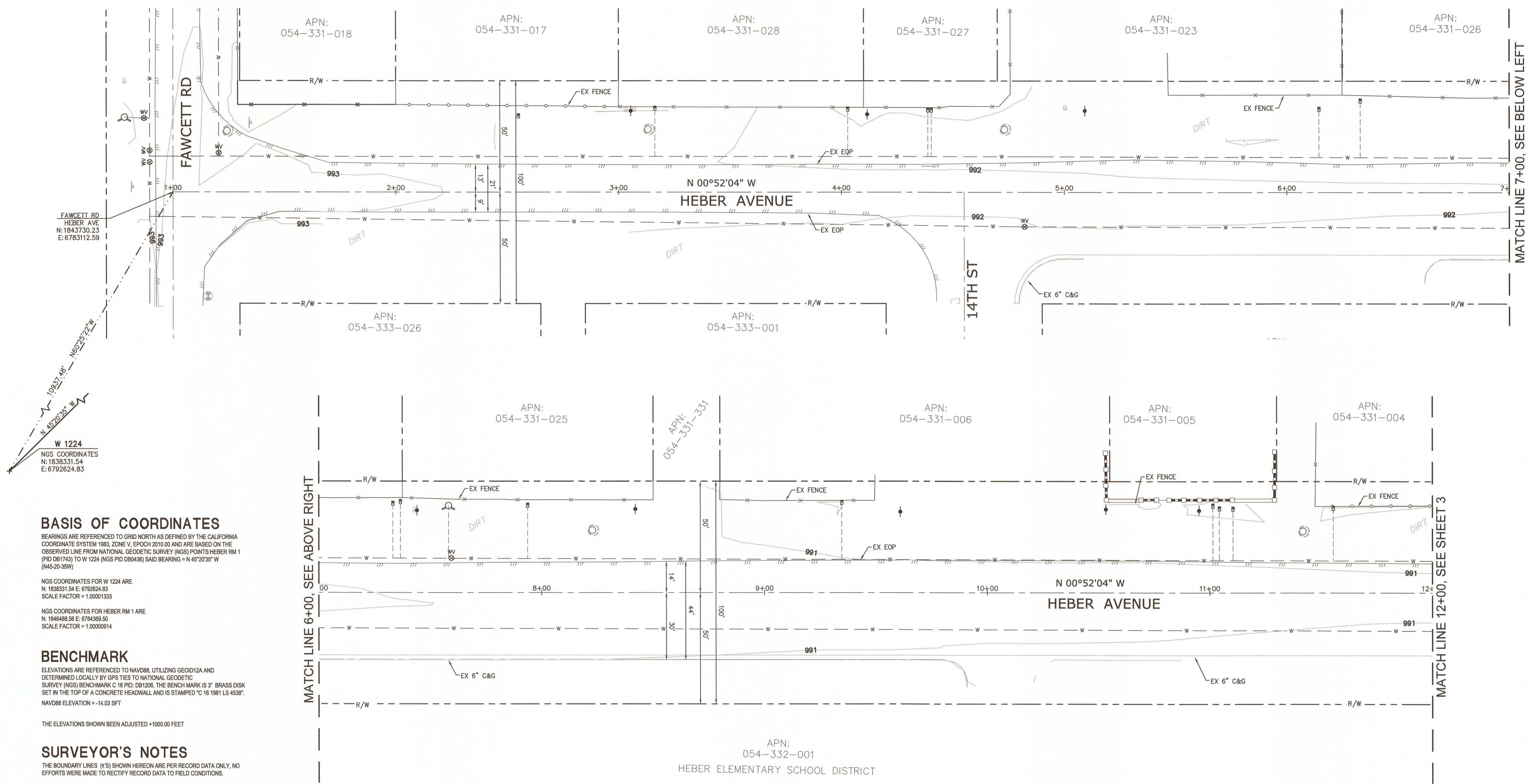
DATE 9/2/2021  
DRAWN SD  
SCALE AS SHOWN  
CHECKED DB

HEBER AVENUE ROAD WIDENING  
AND SIDEWALK IMPROVEMENTS  
COUNTY PROJECT No. 6515

TITLE SHEET

REFERENCE R-985

SHEET 1 OF 26



FAWCETT RD  
HEBER AVE  
N: 1843730.23  
E: 6783112.59

W 1224  
NGS COORDINATES  
N: 1838331.54  
E: 6792624.83

N 45°20'35" W  
10937.48'  
N 62°28'52" W  
16028.52'

**BASIS OF COORDINATES**

BEARINGS ARE REFERENCED TO GRID NORTH AS DEFINED BY THE CALIFORNIA COORDINATE SYSTEM 1983, ZONE V, EPOCH 2010.00 AND ARE BASED ON THE OBSERVED LINE FROM NATIONAL GEODETIC SURVEY (NGS) POINTS: HEBER RM 1 (PID DB1743) TO W 1224 (NGS PID DB0436) SAID BEARING = N 45°20'35" W (N45-20-35W)

NGS COORDINATES FOR W 1224 ARE  
N: 1838331.54 E: 6792624.83  
SCALE FACTOR = 1.00001333

NGS COORDINATES FOR HEBER RM 1 ARE  
N: 1846488.66 E: 6784369.50  
SCALE FACTOR = 1.00000914

**BENCHMARK**

ELEVATIONS ARE REFERENCED TO NAVD88, UTILIZING GEOID12A AND DETERMINED LOCALLY BY GPS TIES TO NATIONAL GEODETIC SURVEY (NGS) BENCHMARK C 16 PID: DB1206. THE BENCHMARK IS 3" BRASS DISK SET IN THE TOP OF A CONCRETE HEADWALL AND IS STAMPED "C 16 1981 LS 4538". NAVD88 ELEVATION = -14.03 SFT

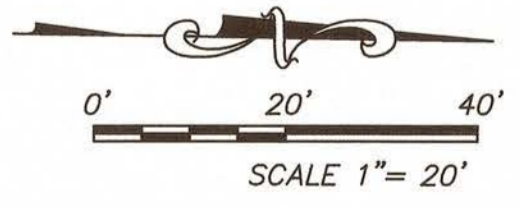
THE ELEVATIONS SHOWN BEEN ADJUSTED +1000.00 FEET

**SURVEYOR'S NOTES**

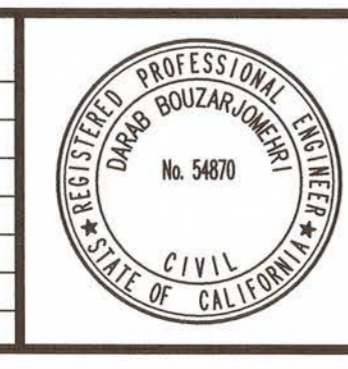
THE BOUNDARY LINES (L'S) SHOWN HEREON ARE PER RECORD DATA ONLY, NO EFFORTS WERE MADE TO RECTIFY RECORD DATA TO FIELD CONDITIONS.

**NV5**

15092 AVENUE OF SCIENCE, SUITE 200  
SAN DIEGO, CA 92128  
P: 858.385.0500 WWW.NV5.COM



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
*Darab Bouzarjomehri*  
DARAB BOUZARJOMEHRI, P.E.  
NV5  
3/17/2021  
DATE

54870  
R.C.E. No.  
6/30/22  
REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
APPROVED FOR CONSTRUCTION BY:  
*John A. Gay*  
JOHN A. GAY, P.E.  
ROAD COMMISSIONER  
9/2/21  
DATE

62028  
R.C.E. No.  
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REG. EXP.

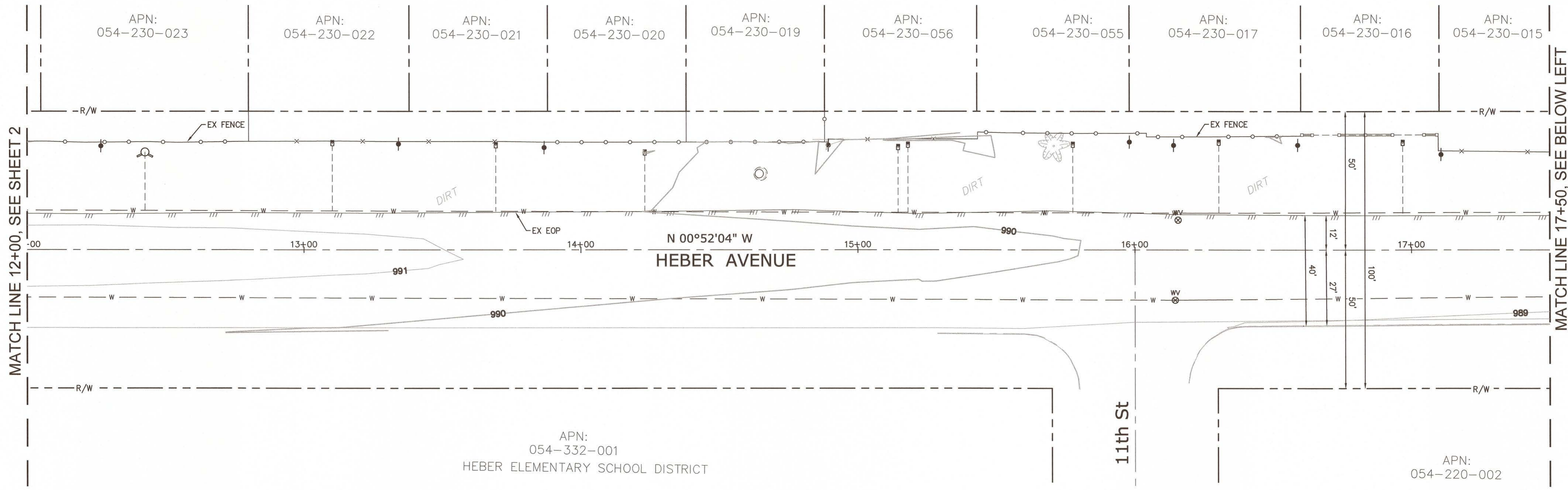
PUBLIC WORKS DEPARTMENT  
COUNTY OF IMPERIAL  
EL CENTRO, CALIFORNIA

DATE 9/2/2021  
DRAWN SD  
SCALE AS SHOWN  
CHECKED DB

HEBER AVENUE ROAD WIDENING  
AND SIDEWALK IMPROVEMENTS  
COUNTY PROJECT No. 6515

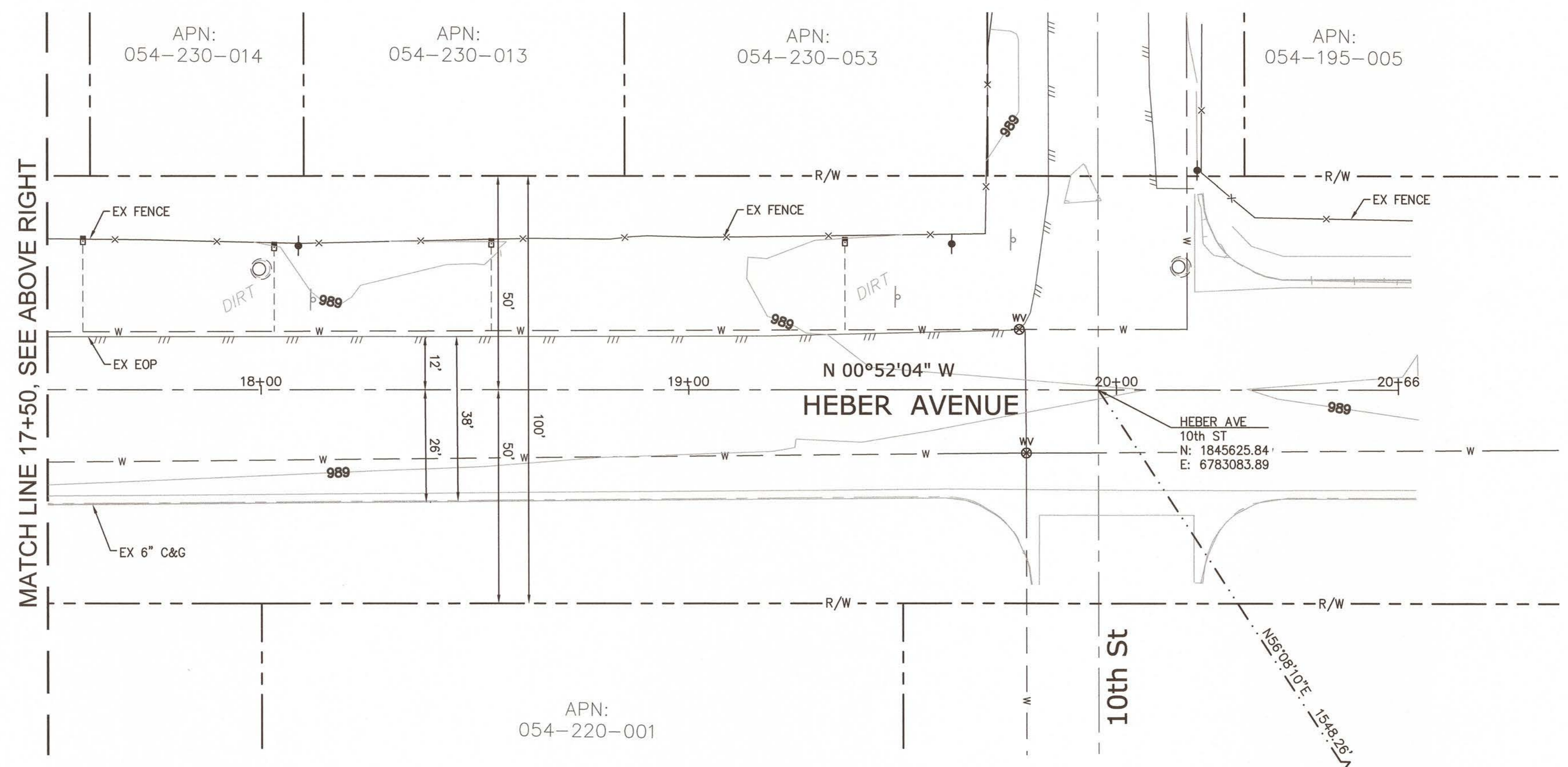
SURVEY CONTROL  
TOPOGRAPHIC NO. 1  
REFERENCE R-985  
SHEET 2 OF 26

N:\20-0000787\Cadd\Civil\787 Topo.dwg | Sep-02-2021 | 13:24

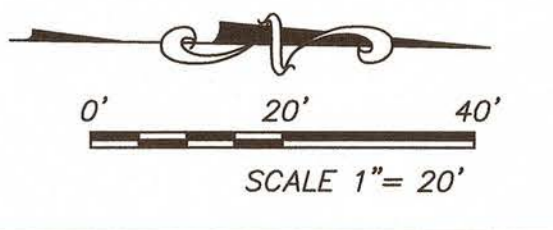
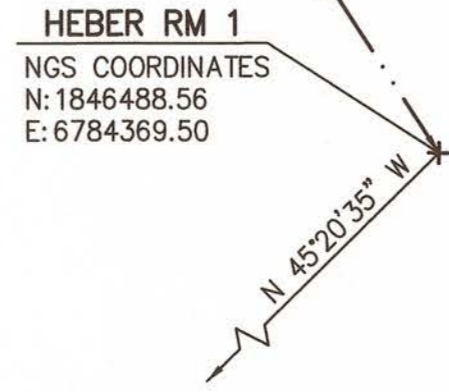


MATCH LINE 12+00, SEE SHEET 2

MATCH LINE 17+50, SEE BELOW LEFT



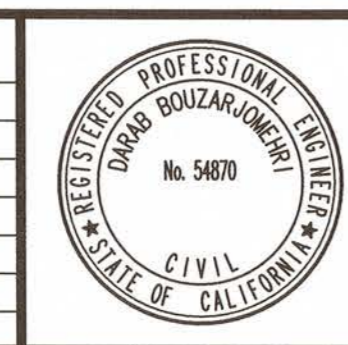
MATCH LINE 17+50, SEE ABOVE RIGHT



**NV5**

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SAN DIEGO, CA 92128  
P: 858.385.0500 WWW.NV5.COM

REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
*Darab Bouzarjomehri*  
DARAB BOUZARJOMEHRI, P.E.  
NV5  
3/17/2021  
DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
APPROVED FOR CONSTRUCTION BY:  
*John A. Gay*  
JOHN A. GAY, P.E.  
ROAD COMMISSIONER  
6/30/22  
REG. EXP.

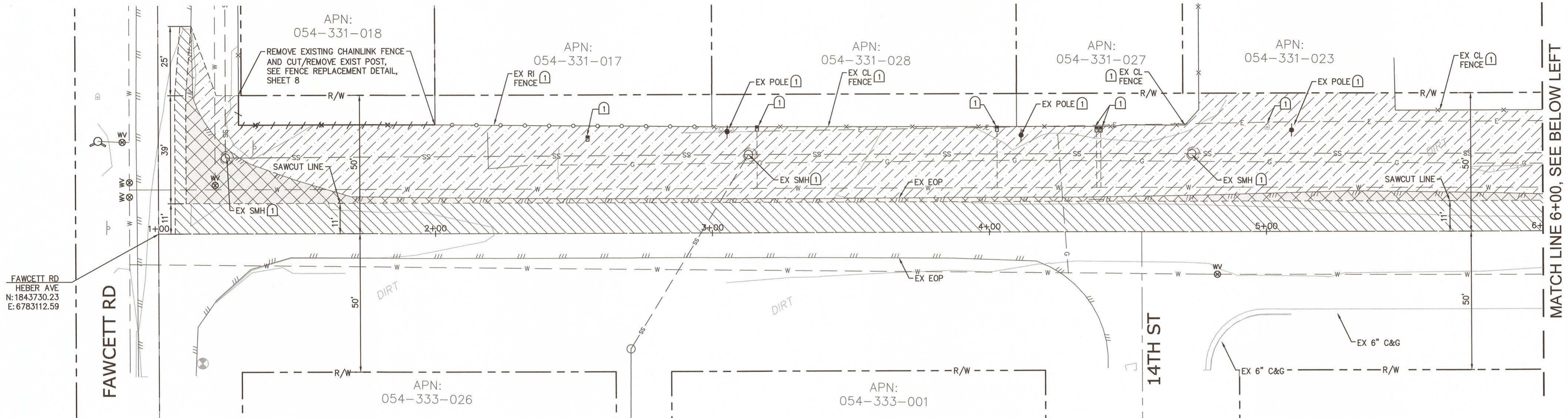
COUNTY OF IMPERIAL  
PUBLIC WORKS DEPARTMENT  
EL CENTRO, CALIFORNIA

DATE 9/2/2021  
DRAWN SD  
SCALE AS SHOWN  
CHECKED DB

HEBER AVENUE ROAD WIDENING  
AND SIDEWALK IMPROVEMENTS  
COUNTY PROJECT No. 6515

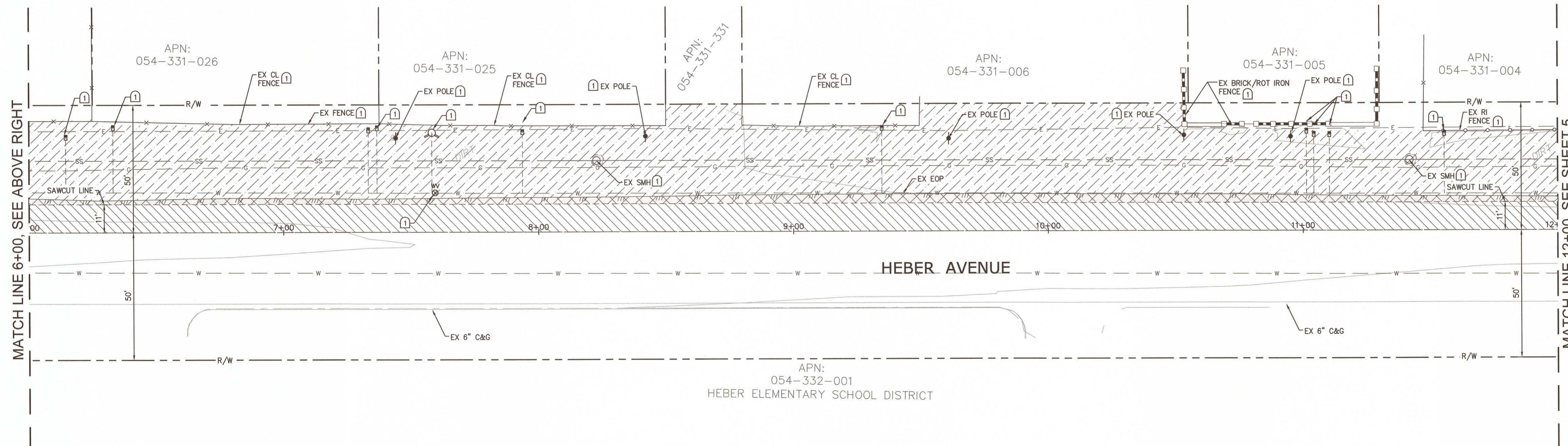
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TOPOGRAPHIC NO. 2  
REFERENCE  
R -985  
SHEET 3 OF 26

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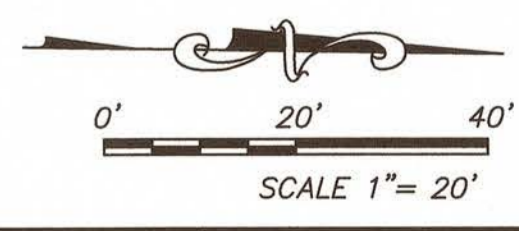


**DEMOLITION NOTES**  
 1 PROTECT IN PLACE

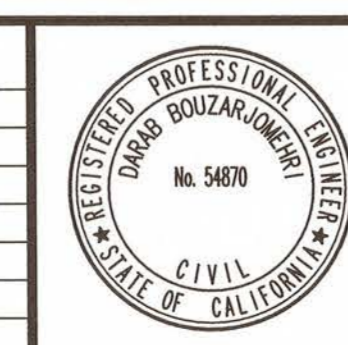
- LEGEND**
- CLEAR AND GRUB
  - SAWCUT AND REMOVE EXIST AC PAVEMENT, WIDTH VARIES
  - EXIST AC PAVEMENT MILLING, DEPTH VARIES



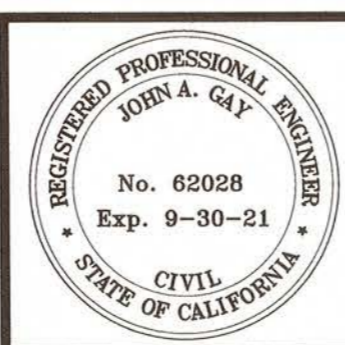
**NV5**  
 15092 AVENUE OF SCIENCE, SUITE 200  
 SAN DIEGO, CA 92128  
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REVISION	DATE	COMMENTS



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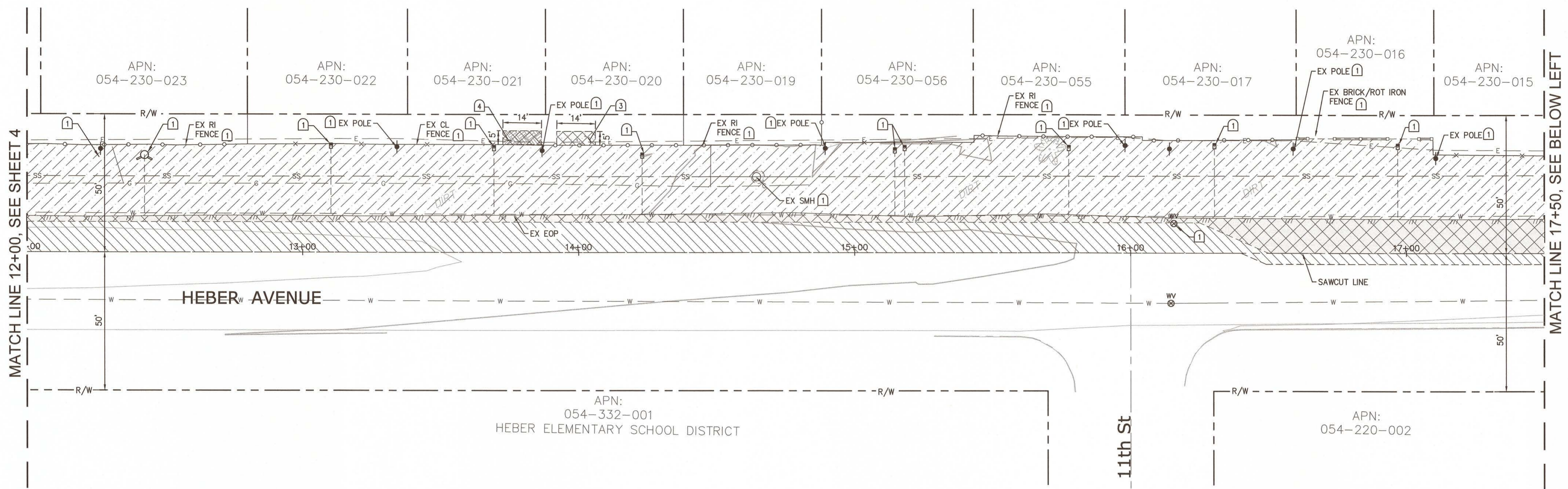
PUBLIC WORKS DEPARTMENT  
 COUNTY OF IMPERIAL  
 EL CENTRO, CALIFORNIA

DATE 9/2/2021  
 DRAWN SD  
 SCALE AS SHOWN  
 CHECKED DB

**HEBER AVENUE ROAD WIDENING AND SIDEWALK IMPROVEMENTS**  
 COUNTY PROJECT No. 6515

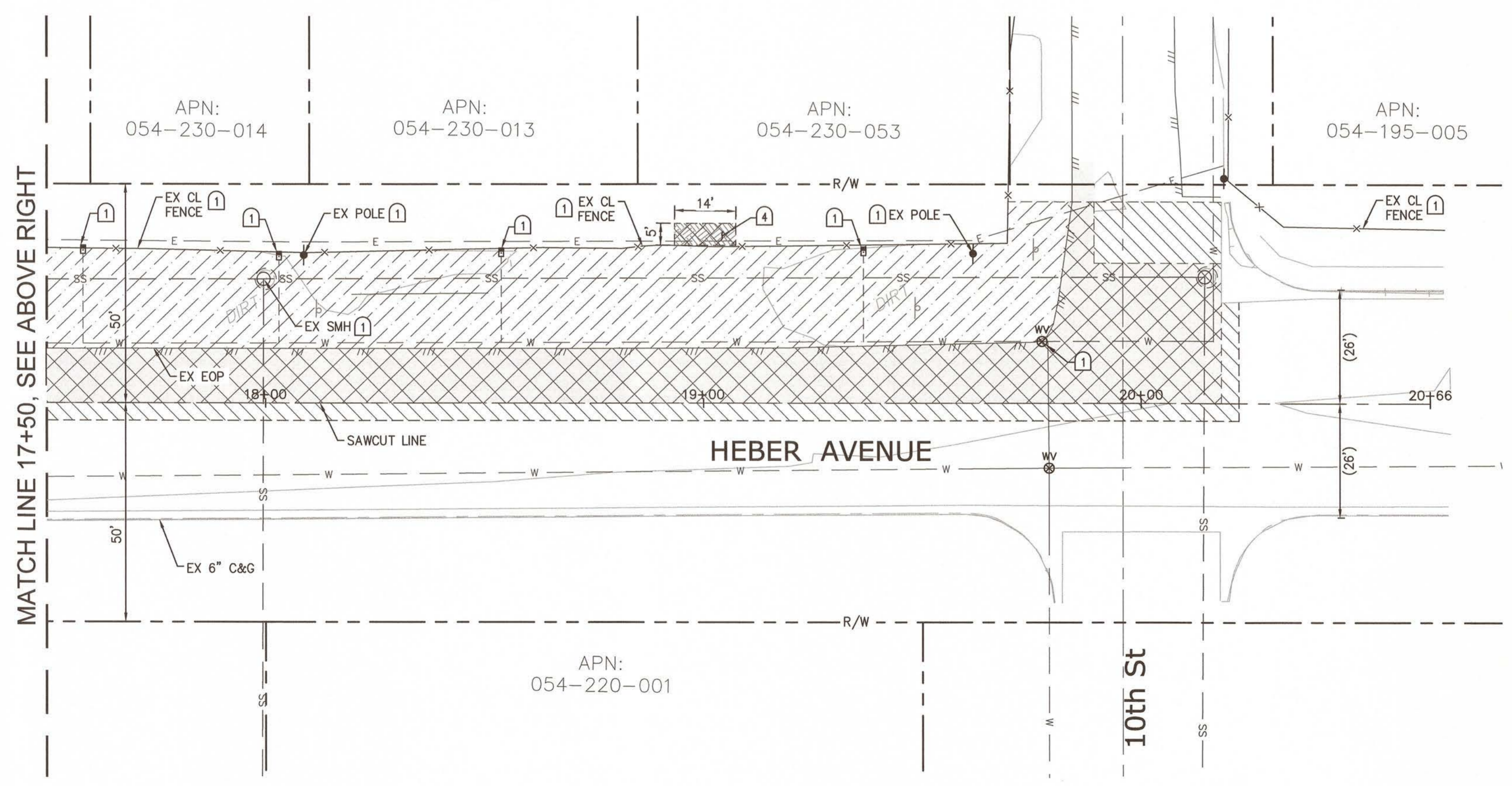
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 REFERENCE R-985  
 SHEET 4 OF 26

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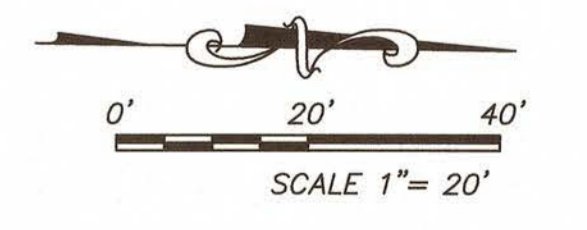


- DEMOLITION NOTES**
- 1 PROTECT IN PLACE
  - 3 SAWCUT AND REMOVE PORTION OF EXISTING CONCRETE DRIVEWAY, SEE "5' ENCROACHMENT DRIVEWAY CONNECTION DETAIL" ON SHEET 7
  - 4 REMOVE PORTION OF EXISTING DIRT DRIVEWAY, SEE "5' ENCROACHMENT DRIVEWAY CONNECTION DETAIL" ON SHEET 7

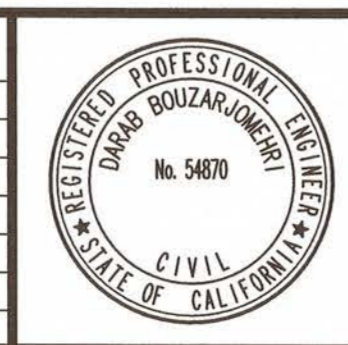
- LEGEND**
- CLEAR AND GRUB
  - SAWCUT AND REMOVE EXIST AC PAVEMENT, WIDTH VARIES
  - COLD PLANE AC PVMT
  - SAWCUT AND REMOVE PORTION OF EXISTING CONCRETE DRIVEWAY
  - REMOVE PORTION OF EXISTING DIRT DRIVEWAY, DEPTH = 2'-0"



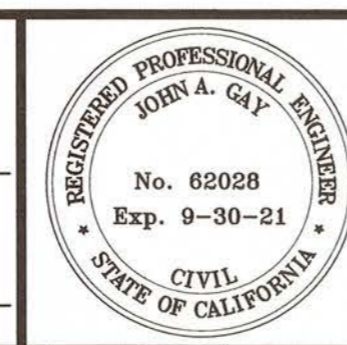
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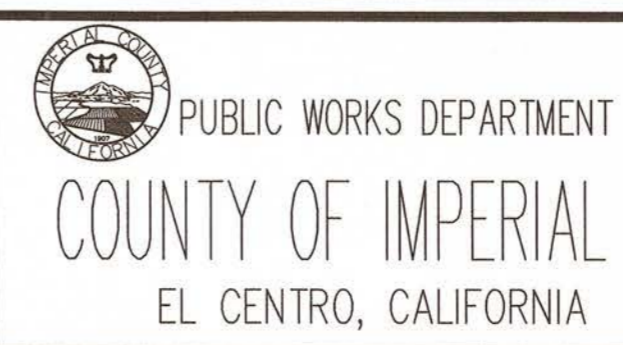
REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
  
 DARAB BOUZARJOMEHRI, P.E.  
 NV5  
 3/17/2021  
 DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
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 JOHN A. GAY, P.E.  
 ROAD COMMISSIONER  
 62028  
 R.C.E. No.  
 9/30/21  
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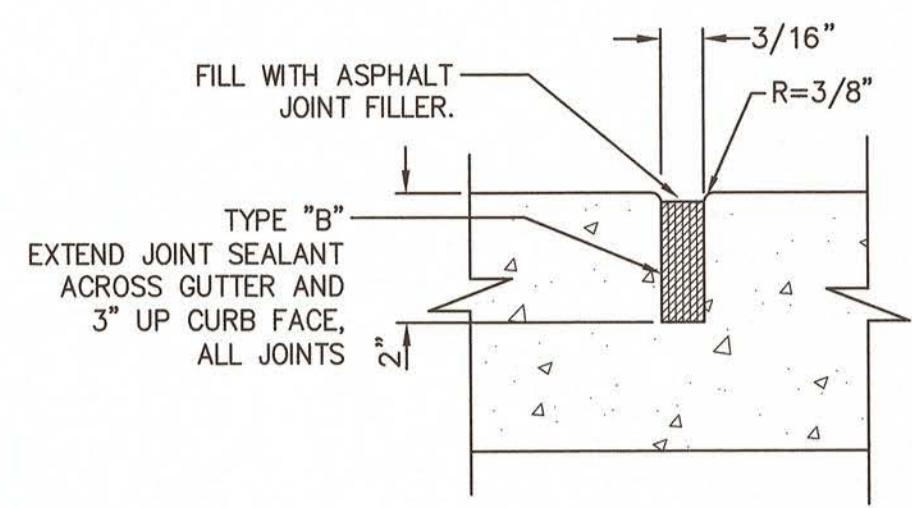


DATE 9/2/2021  
 DRAWN SD  
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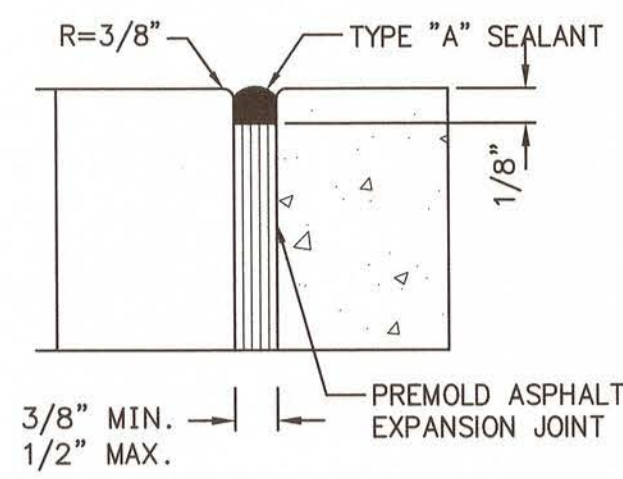
**HEBER AVENUE ROAD WIDENING AND SIDEWALK IMPROVEMENTS**  
 COUNTY PROJECT No. 6515

<b>DEMOLITION NO. 2</b>	
REFERENCE R-985	SHEET 5 OF 26

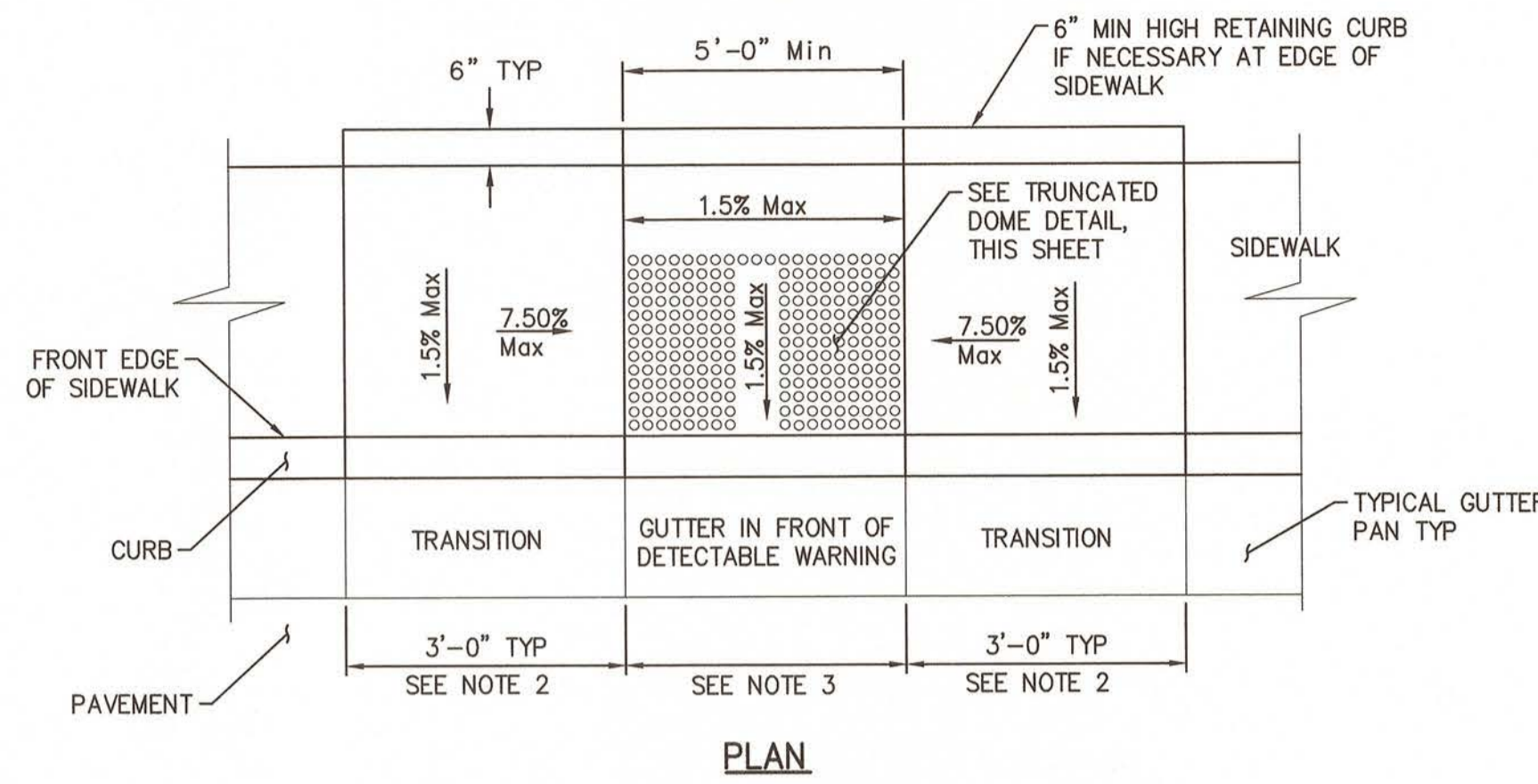
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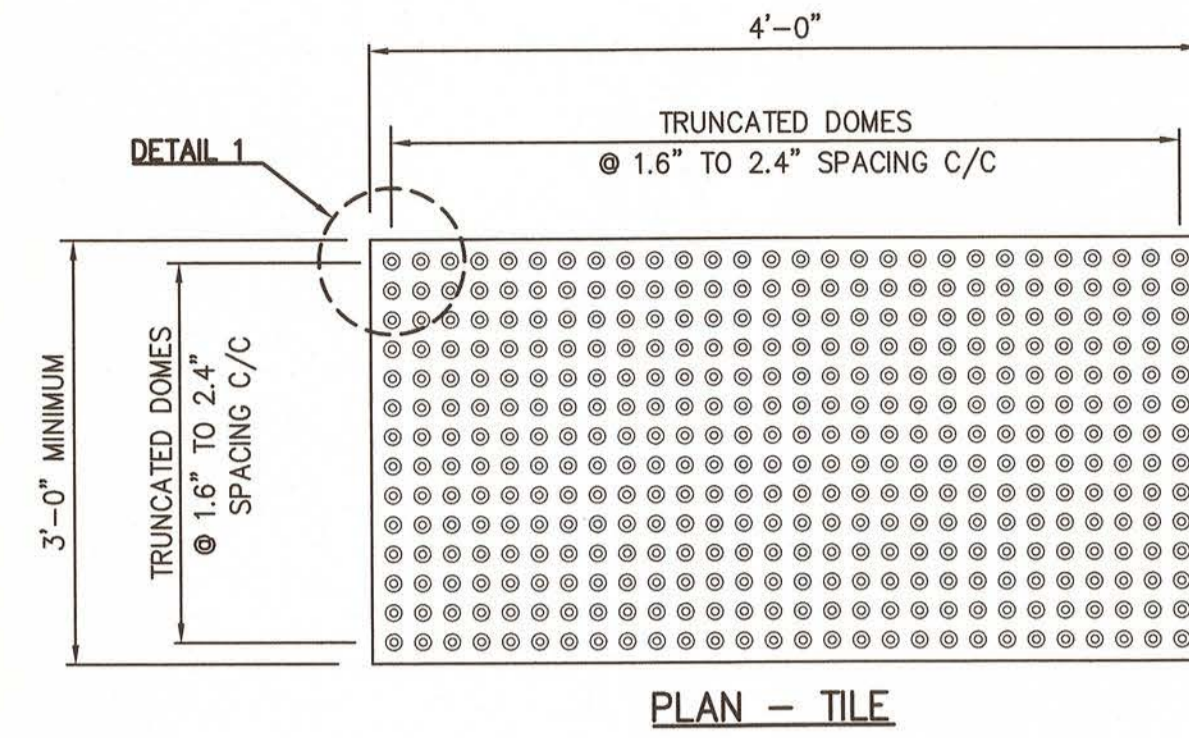
**WEAKENED PLANE JOINT**  
AT 15'-0" O.C. (TYP.)



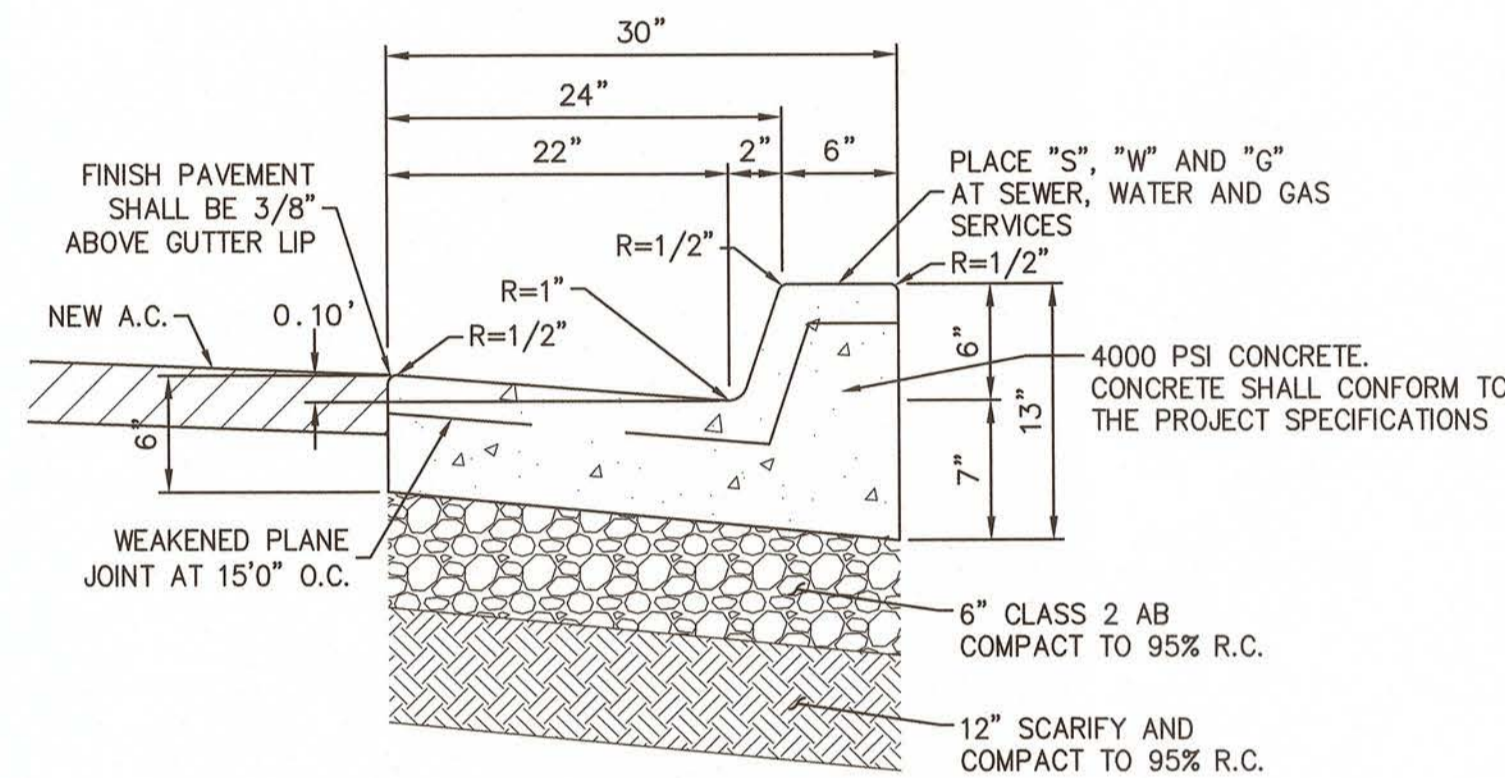
**EXPANSION JOINT**  
AT 45'-0" O.C. (TYP.)



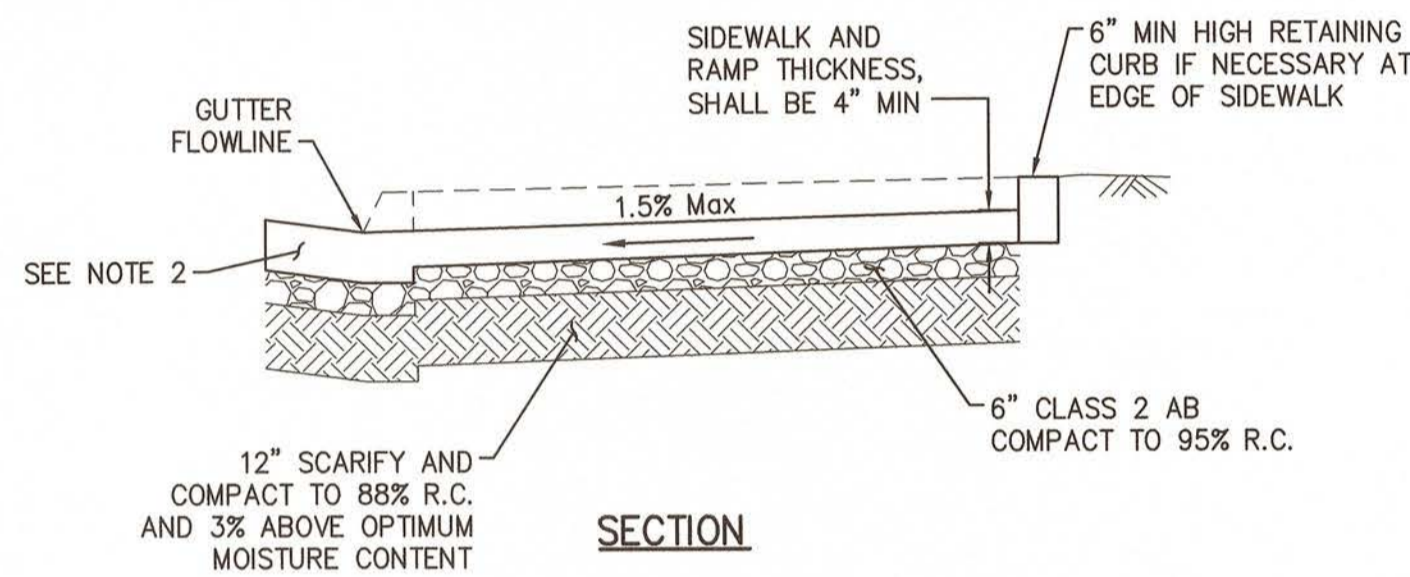
**PLAN**



**PLAN - TILE**



**SECTION**



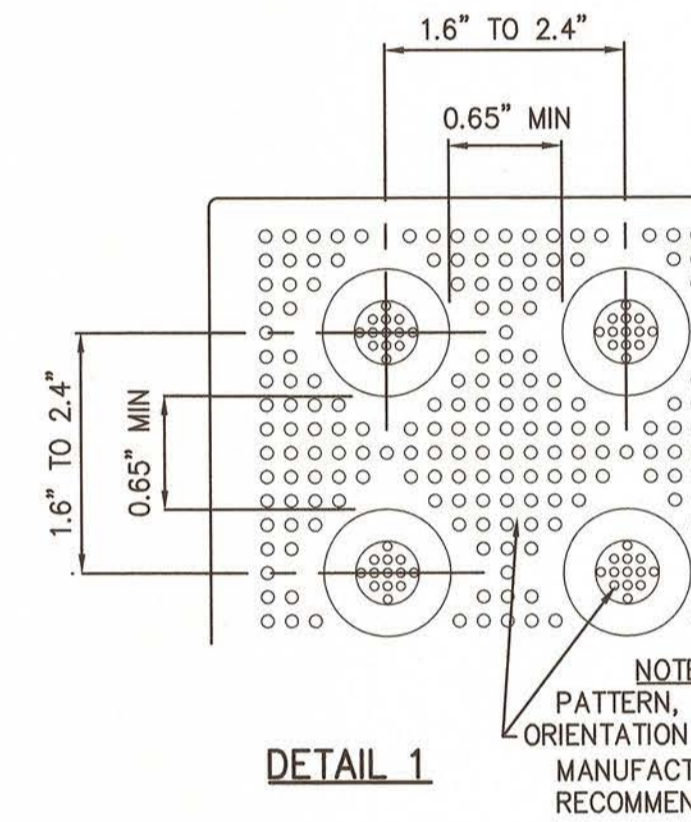
**SECTION**

**NOTES:**

1. THE DETECTABLE WARNING SURFACE WILL BE A RECTANGLE AS SHOWN AT BACK OF CURB, UNLESS MODIFIED IN THE PROJECT PLANS. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP A MAXIMUM GAP OF 1" INCH IS ALLOWED ON EACH SIDE OF RAMP.
2. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO AND WITHIN 24 INCHES OF THE CURB RAMP SHALL NOT BE STEEPER THAN 1V:20H (5.0%). GUTTER PAN SLOPE SHALL NOT EXCEED 1" OF DEPTH FOR EACH 2'-0" OF WIDTH.
3. TRANSITION GUTTER PAN SLOPE SHALL NOT EXCEED 1" OF DEPTH FOR EACH 2'-0" OF WIDTH TO MATCH TYPICAL GUTTER PAN SLOPE.

**PEDESTRIAN CURB RAMP**

NO SCALE



**DETAIL 1**

**NOTES:**

1. DETECTABLE WARNING SURFACE COLOR SHALL BE YELLOW CONFORMING TO FEDERAL STANDARDS 595B TABLE IV, COLOR NO. 33538, OR AS SPECIFIED BY THE COUNTY. COLOR SHALL BE HOMOGENEOUS THROUGHOUT THE TILE.
2. TRUNCATED DOME TOP DIAMETER OF 50% OF BASE DIAMETER MINIMUM TO 65% OF THE BASE DIAMETER MAXIMUM.

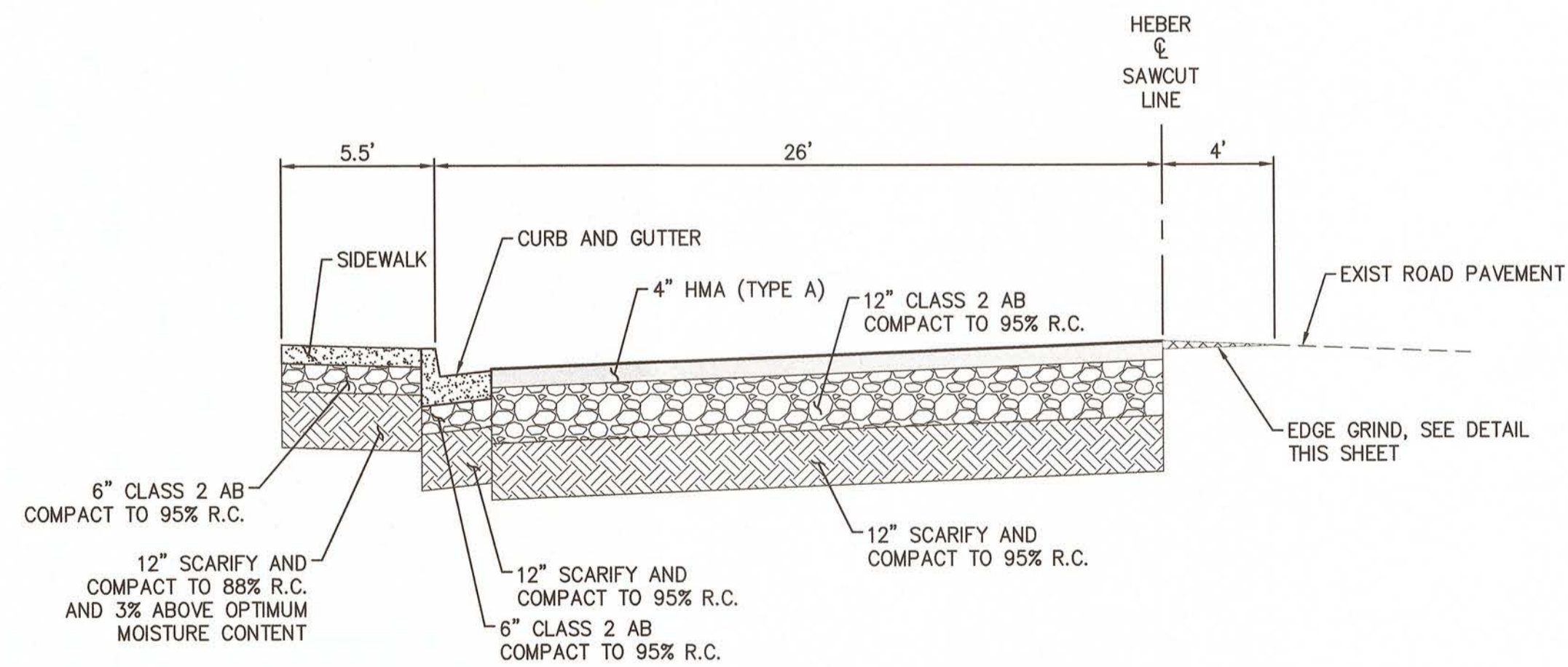
**TRUNCATED DOMES**

NO SCALE

- NOTES:**
1. EXPANSION JOINTS TO BE INSTALLED AT ALL B.C.'S, E.C.'S CURB RETURNS AND STRUCTURES IN ADDITION TO 45' O.C.
  2. CURB AND GUTTER SHALL BE CLASS "3" CONCRETE WHICH SHALL ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI IN ACCORDANCE WITH ASTM C39/C39M-99 AND SHALL CONTAIN 1-1/2 LBS. POLYPROPYLENE FIBER PER CUBIC YARD. POLYPROPYLENE FIBER BY FIBERMESH CO., FORTA MONO, O.A.E
  3. WIDTH OF STANDARD STREET SECTIONS SHOWN ON PLANS ARE TO CURB LINES UNLESS OTHERWISE INDICATED.
  4. CURING COMPOUND SHALL BE SPRAYED UNIFORMLY ON EXPOSED SURFACES. HYDRO-CURE CLEAR CC-309-1W, OR APPROVED EQUAL.
  5. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE MINOR FINISHING SHALL BE DONE TO PROVIDE AN ACCEPTABLE FINISH AND THE WEAKENED PLANE JOINT MAY BE SAWCUT.
  6. ALL METAL FORM STAKES MUST HAVE PROTECTIVE DEVICES SUCH AS "MUSHROOMS" INSTALLED AT ALL TIMES DURING USE, TO ADEQUATELY INSURE THE PUBLIC SAFETY.
  7. ALL EXPOSED SURFACES TO HAVE A SMOOTH TROWEL FINISH. DRY SACK FINISH WILL NOT BE ALLOWED.
  8. THE CURB EDGES SHALL BE PLACED TRUE TO LINE AND GRADE. VERTICAL ELEVATIONS SHALL NOT VARY MORE THAN ±0.01' WITH A MAXIMUM VARIANCE OF 0.02' FROM DESIGN GRADE OCCURRING IN ANY GIVEN 100 FEET SECTION. THE HORIZONTAL CURB EDGES SHALL NOT VARY MORE THAN 1/4" INCH IN ANY GIVEN 100 FOOT SECTION.

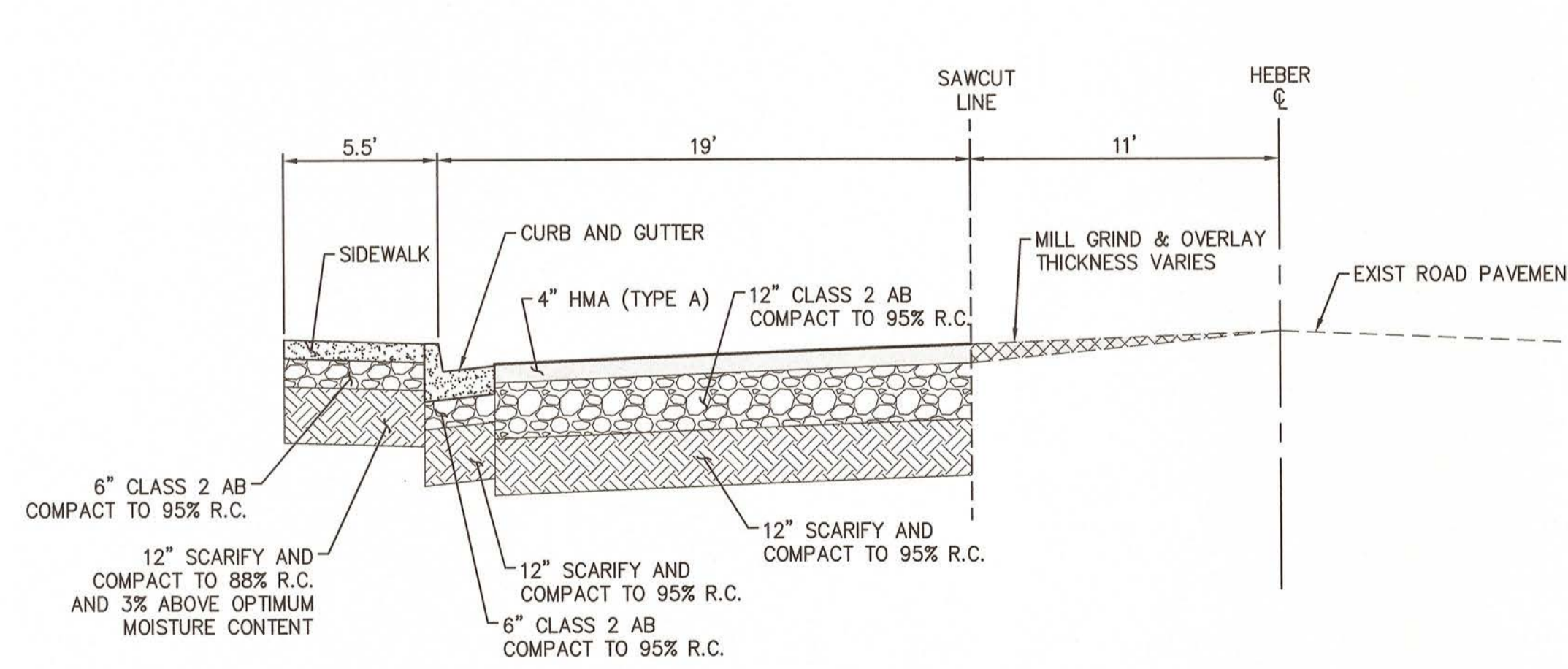
**CURB AND GUTTER DETAIL**

NO SCALE



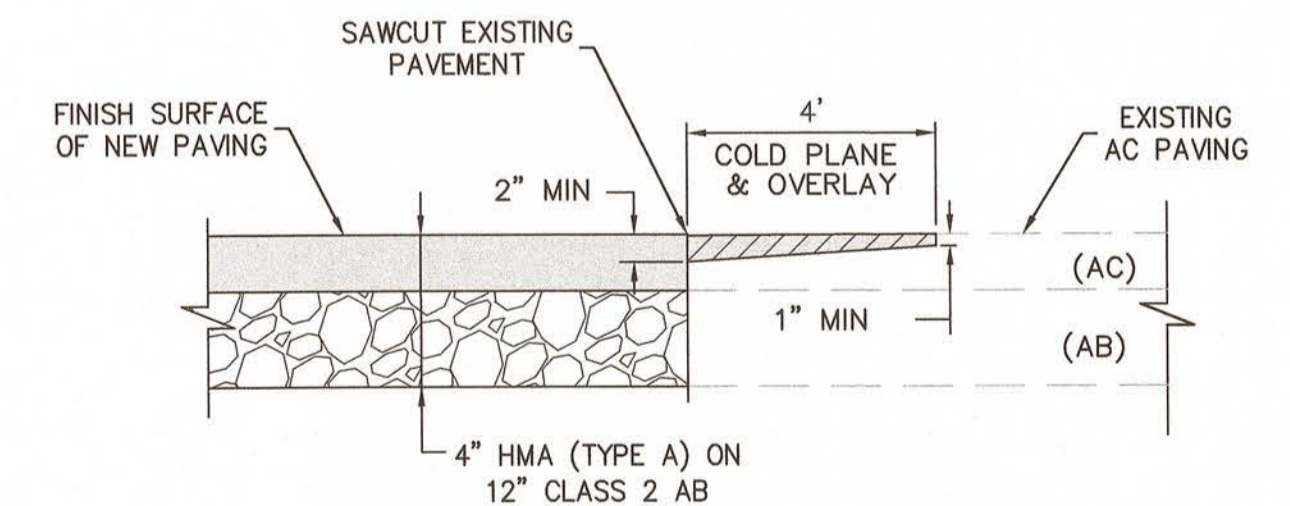
**TYPICAL 26' CROSS SECTION**

NO SCALE



**TYPICAL 30' CROSS SECTION**

NO SCALE



**EDGE GRIND DETAIL**

NO SCALE

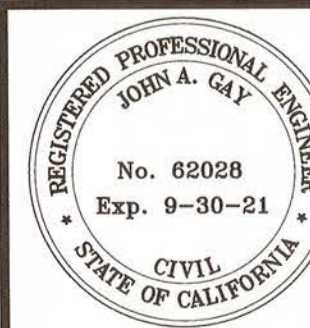
**NVS**

15092 AVENUE OF SCIENCE, SUITE 200  
SAN DIEGO, CA 92128  
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REVISION	DATE	COMMENTS



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DARAB BOUZARJOMEHRI, P.E.  
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COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
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ROAD COMMISSIONER  
6/30/22  
DATE

PUBLIC WORKS DEPARTMENT  
COUNTY OF IMPERIAL  
EL CENTRO, CALIFORNIA

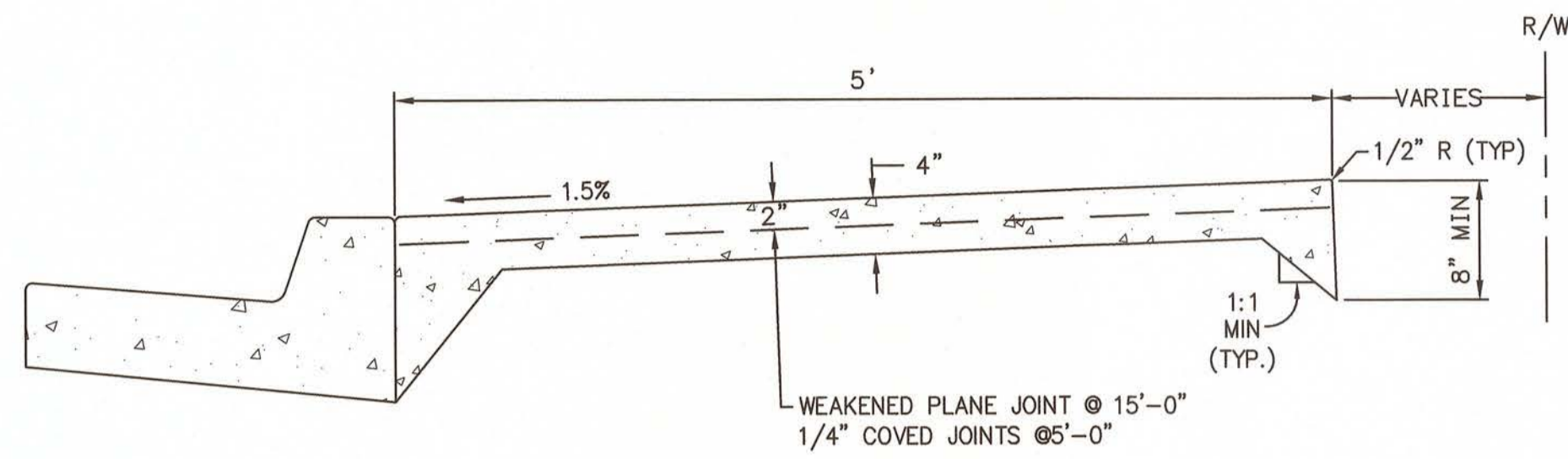
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CHECKED DB

HEBER AVENUE ROAD WIDENING  
AND SIDEWALK IMPROVEMENTS  
COUNTY PROJECT No. 6515

**CIVIL DETAILS No. 1**  
REFERENCE R-985  
SHEET 6 OF 26

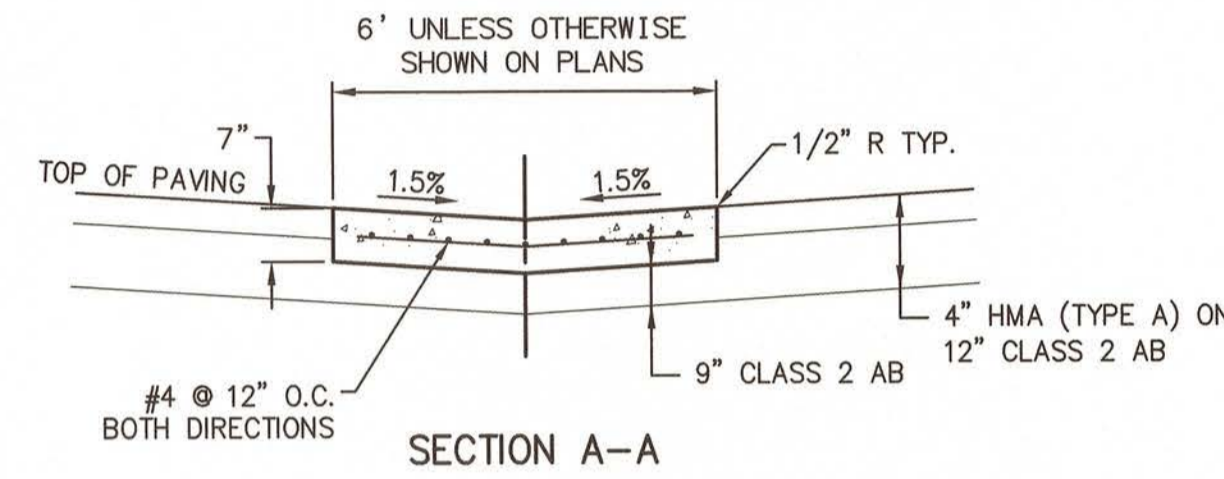
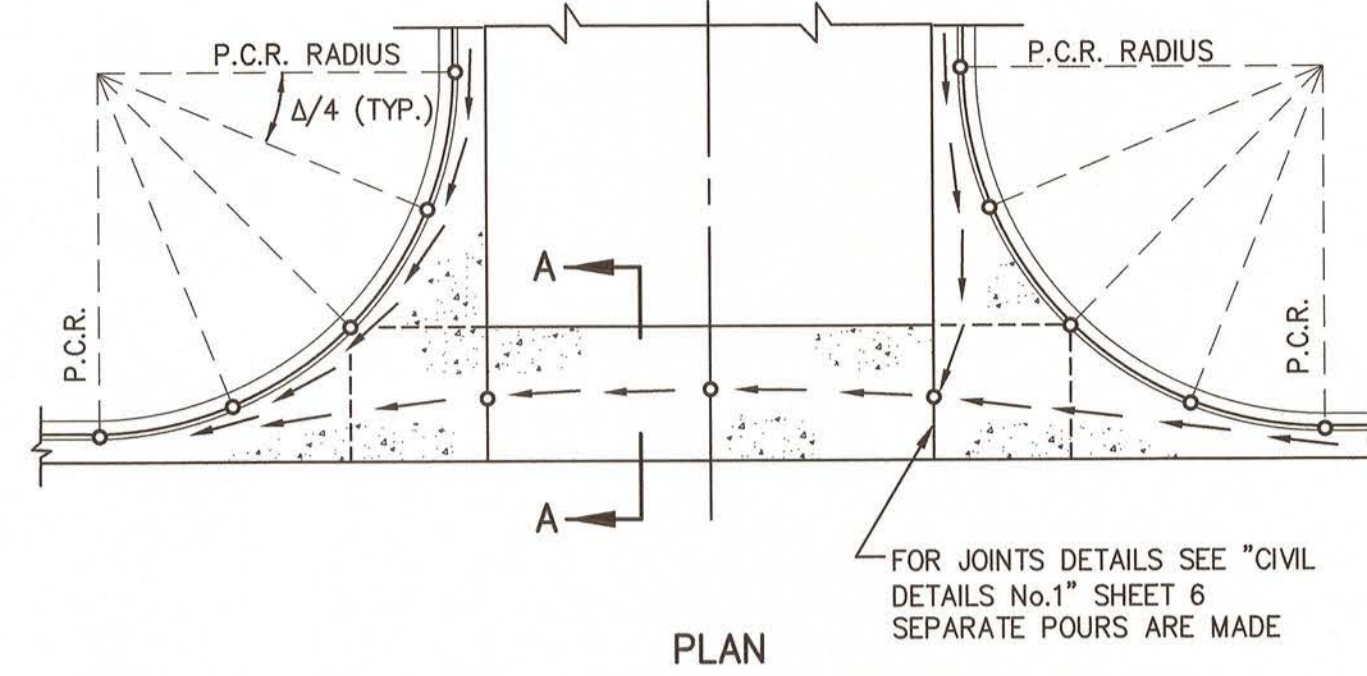
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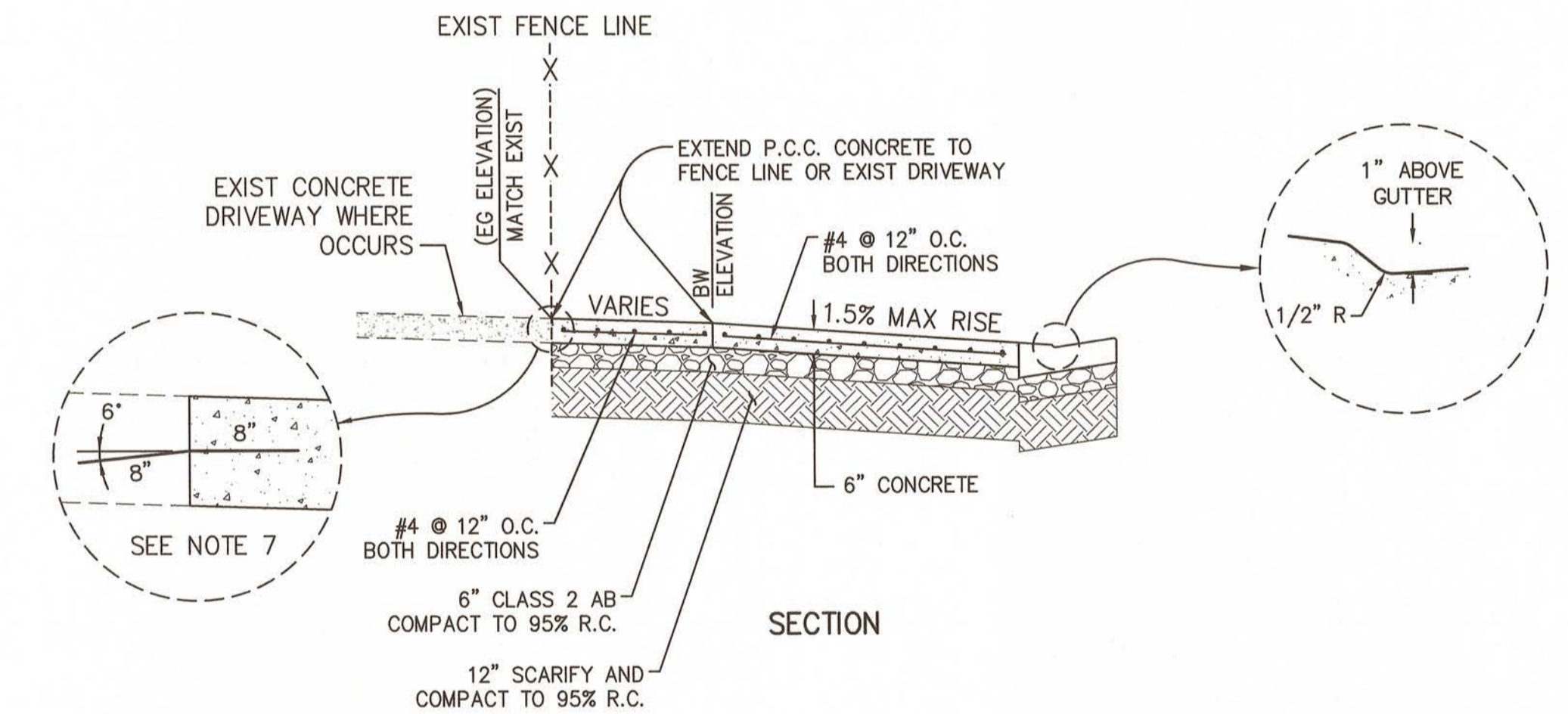
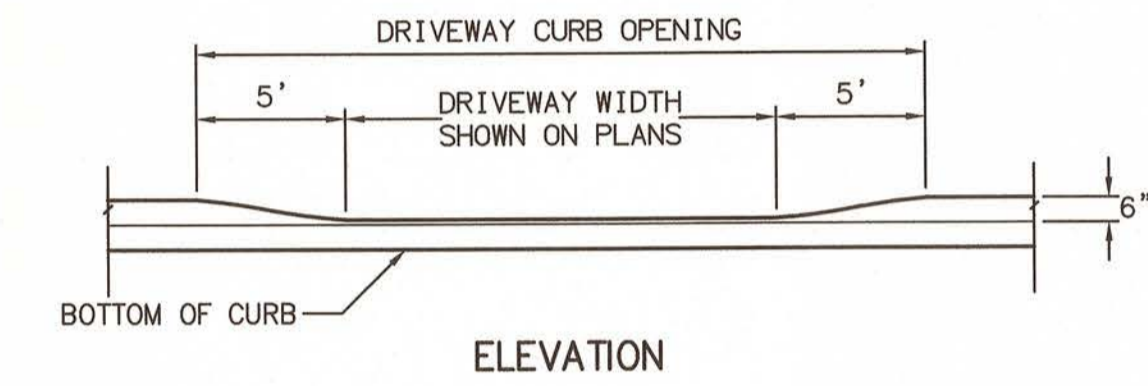
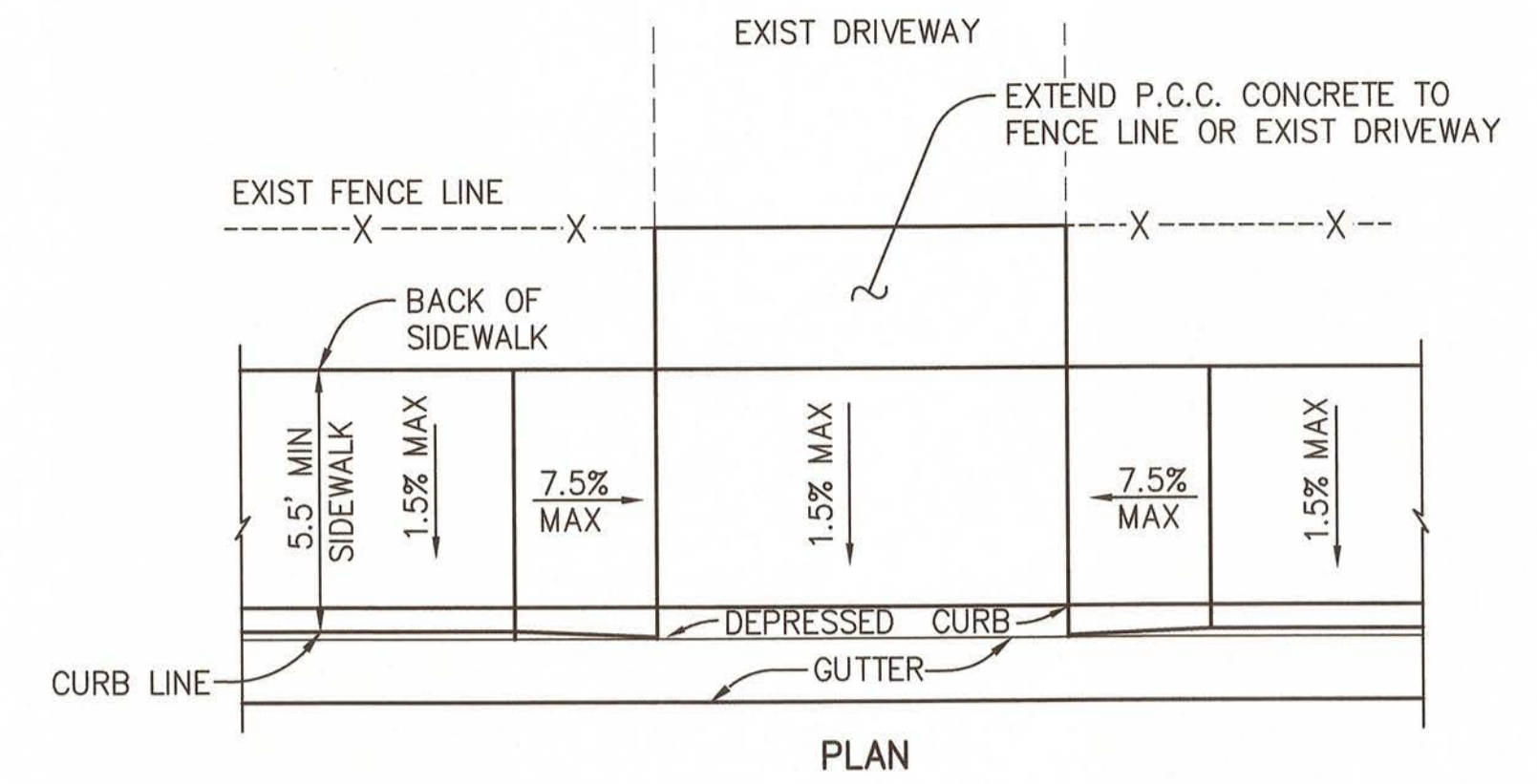
- NOTE:
1. ALL METAL FORM STAKES MUST HAVE PROTECTIVE DEVICES SUCH AS "MUSHROOMS" INSTALLED AT ALL TIMES DURING USE, TO ADEQUATELY INSURE PUBLIC SAFETY.
  2. EXPANSION JOINTS TO BE INSTALLED AT ALL B.C.'S, E.C.'S, CURB RETURNS AND STRUCTURES IN ADDITION TO 45' O.C.
  3. FOR JOINTS DETAILS SEE "CIVIL DETAILS No.1" SHEET 6
  4. SIDEWALK AND CURB SHALL NOT BE POURED MONOLITHIC.
  5. SEE SUBGRADE DEPTH IN TYPICAL CROSS SECTIONS. SEE "CIVIL DETAILS No. 1" SHEET 6.
  6. CONTIGUOUS SIDEWALK SHALL BE CLASS "3" CONCRETE WHICH SHALL ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI IN ACCORDANCE WITH ASTM C39/C39M-99 AND SHALL CONTAIN 1-1/2 LBS. POLYPROPYLENE FIBER PER CUBIC YARD. POLYPROPYLENE FIBER BY FIBERMESH CO., FORTA MONO, O.A.E.

**CONTIGUOUS SIDEWALK DETAIL**  
NO SCALE



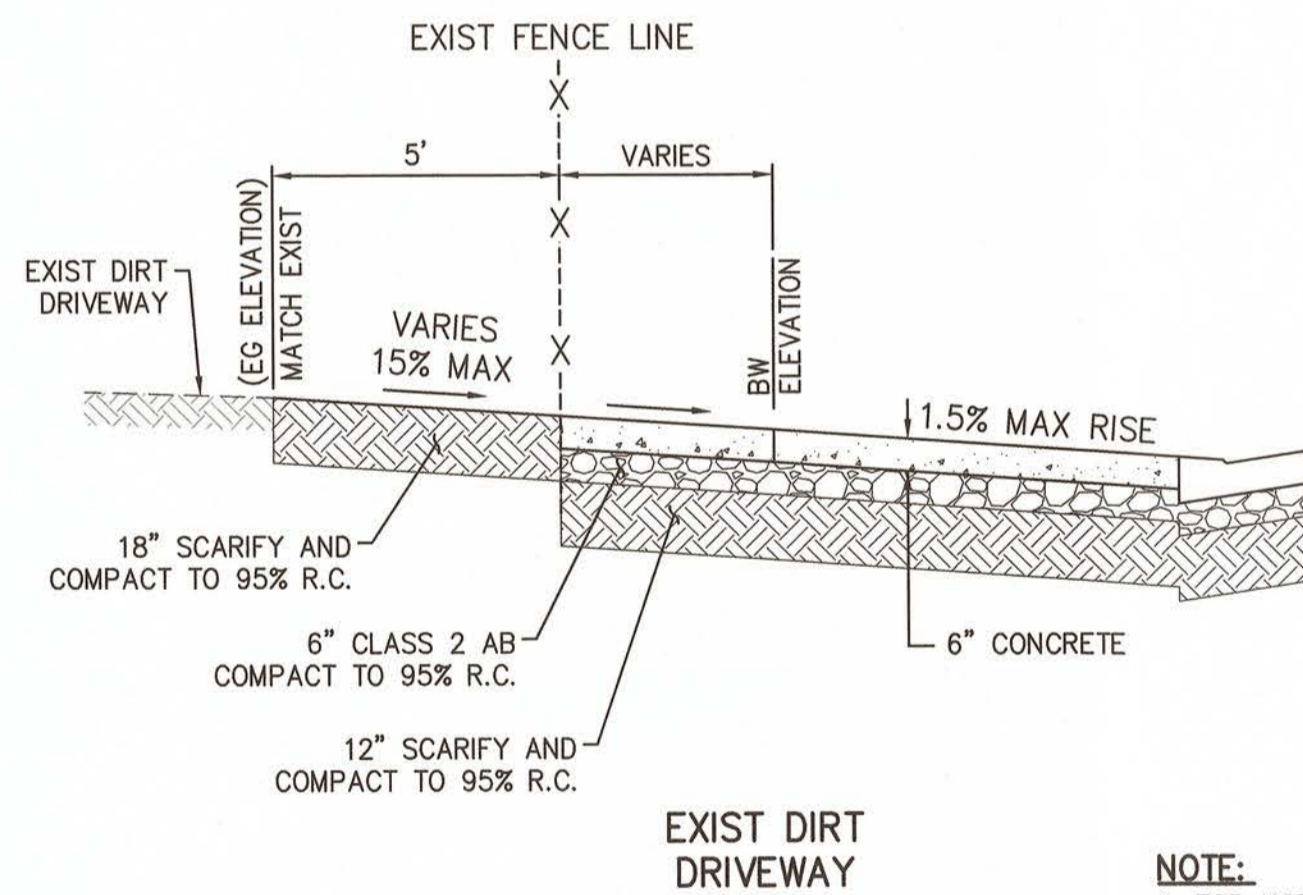
- NOTE:
1. CONCRETE SHALL BE 4000 PSI IN ACCORDANCE WITH ASTM C39/C39M-99.
  2. --- = WEAKENED PLANE JOINTS.
  3. --- = TYPICAL FLOWLINES.
  4. ○ = ELEVATIONS TO BE SHOWN ON PLANS.
  5. RETURN SEGMENTS TO BE 7" THICK.
  6. CURB BETWEEN P.C.R.'S SHALL BE CONSIDERED AS PART OF THE CROSS GUTTER.
  7. IN ALL CASES SUBGRADE SHALL BE COMPACTED TO 95% MIN. RELATIVE COMPACTION TO DEPTH OF 12".

**CROSS GUTTER**  
NO SCALE



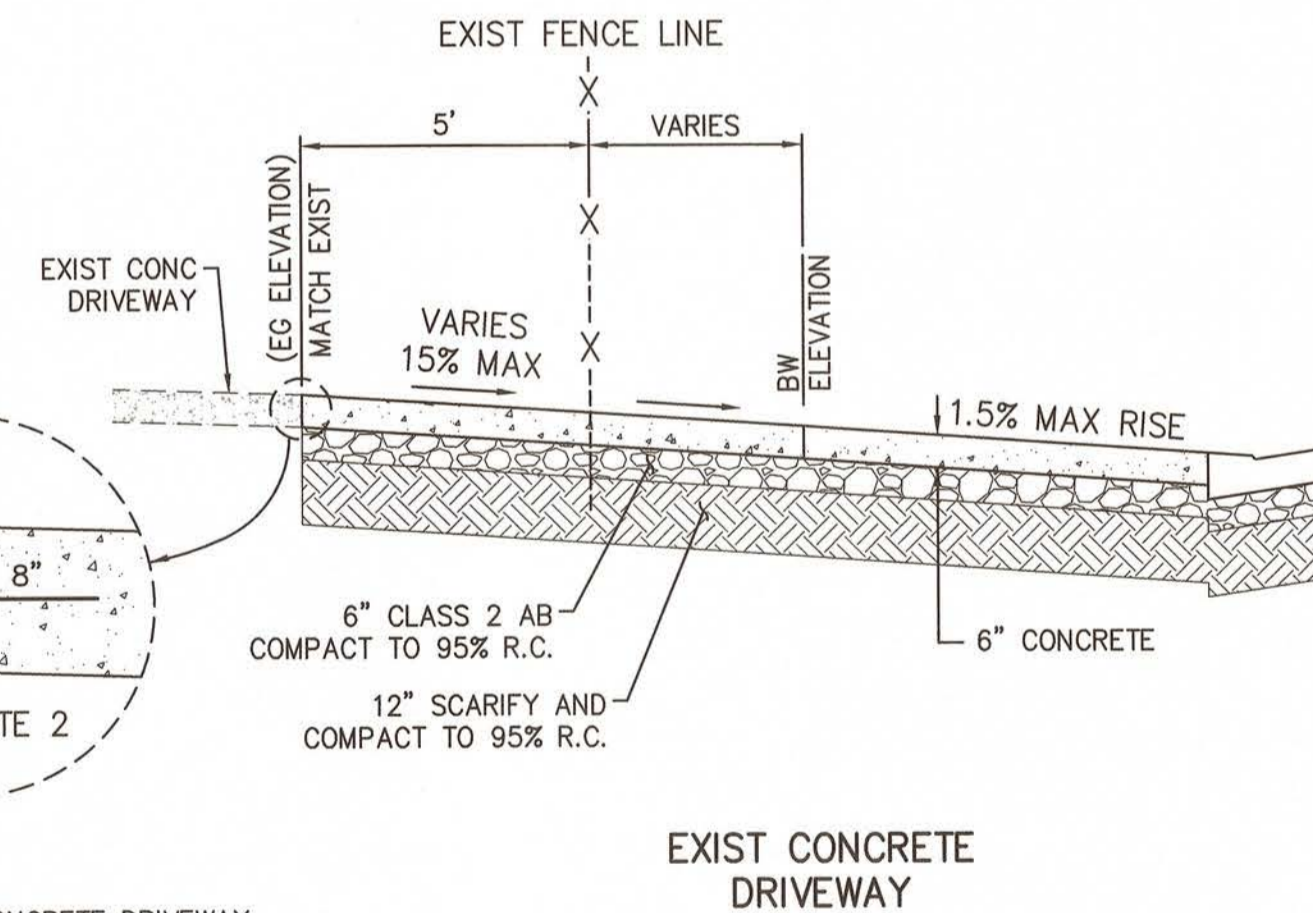
- NOTES:
1. NO CONCRETE SHALL BE PLACED UNTIL FORMS AND SUBGRADE ARE INSPECTED BY THE AGENCY.
  2. FOR RESIDENTIAL USE, CONCRETE SHALL BE 4000 PSI IN ACCORDANCE WITH ASTM C39/C39M-99
  3. FOR JOINTS DETAILS SEE "CIVIL DETAILS No.1" SHEET 6.
  4. PLACE EXPANSION JOINT AT RIGHT-OF-WAY.
  5. DIMENSIONS SHOWN REFLECT A 6" CURB HEIGHT.
  6. RAMP LENGTH CALCULATIONS ARE BASED ON X-1" TO ACCOUNT FOR THE 1" DRIVEWAY LIP.
  7. CONNECT EXISTING CONCRETE DRIVEWAYS TO THE PROPOSED DRIVEWAY SLAB BY DRILL AND EPOXY ONE ROW OF 16" LONG #4 DOWELS AT 16" O.C. SPACING HORIZONTALLY. INSTALL DOWELS INTO THE EXISTING DRIVEWAY SLAB PRIOR TO FORMING SLAB AND CASTING THE PROPOSED DRIVEWAY SLAB.

**CONCRETE DRIVEWAY CONNECTION DETAIL**  
NO SCALE



- NOTE:
1. FOR NOTES AND REBAR REINFORCEMENT DETAILS SEE "CONCRETE DRIVEWAY CONNECTION DETAIL" THIS SHEET
  2. CONNECT EXISTING CONCRETE DRIVEWAYS TO THE PROPOSED DRIVEWAY SLAB BY DRILL AND EPOXY ONE ROW OF 16" LONG #4 DOWELS AT 16" O.C. SPACING HORIZONTALLY. INSTALL DOWELS INTO THE EXISTING DRIVEWAY SLAB PRIOR TO FORMING SLAB AND CASTING THE PROPOSED DRIVEWAY SLAB.

**5' ENCROACHMENT DRIVEWAY CONNECTION DETAIL**  
NO SCALE

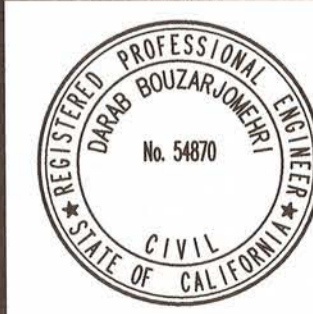


**EXIST CONCRETE DRIVEWAY**

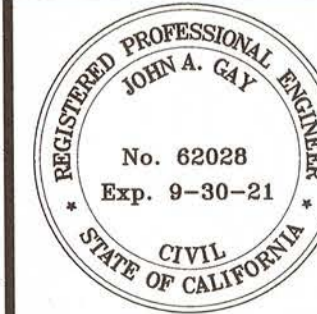
**NV5**

15092 AVENUE OF SCIENCE, SUITE 200  
SAN DIEGO, CA 92128  
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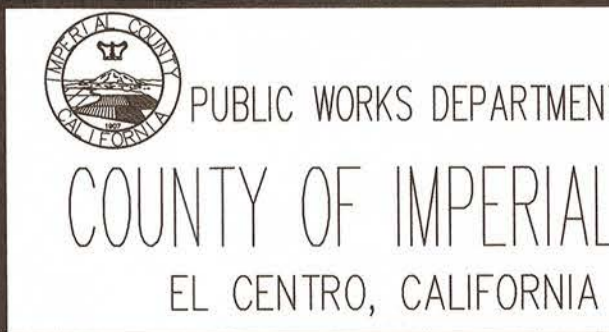
REVISION	DATE	COMMENTS



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NV5  
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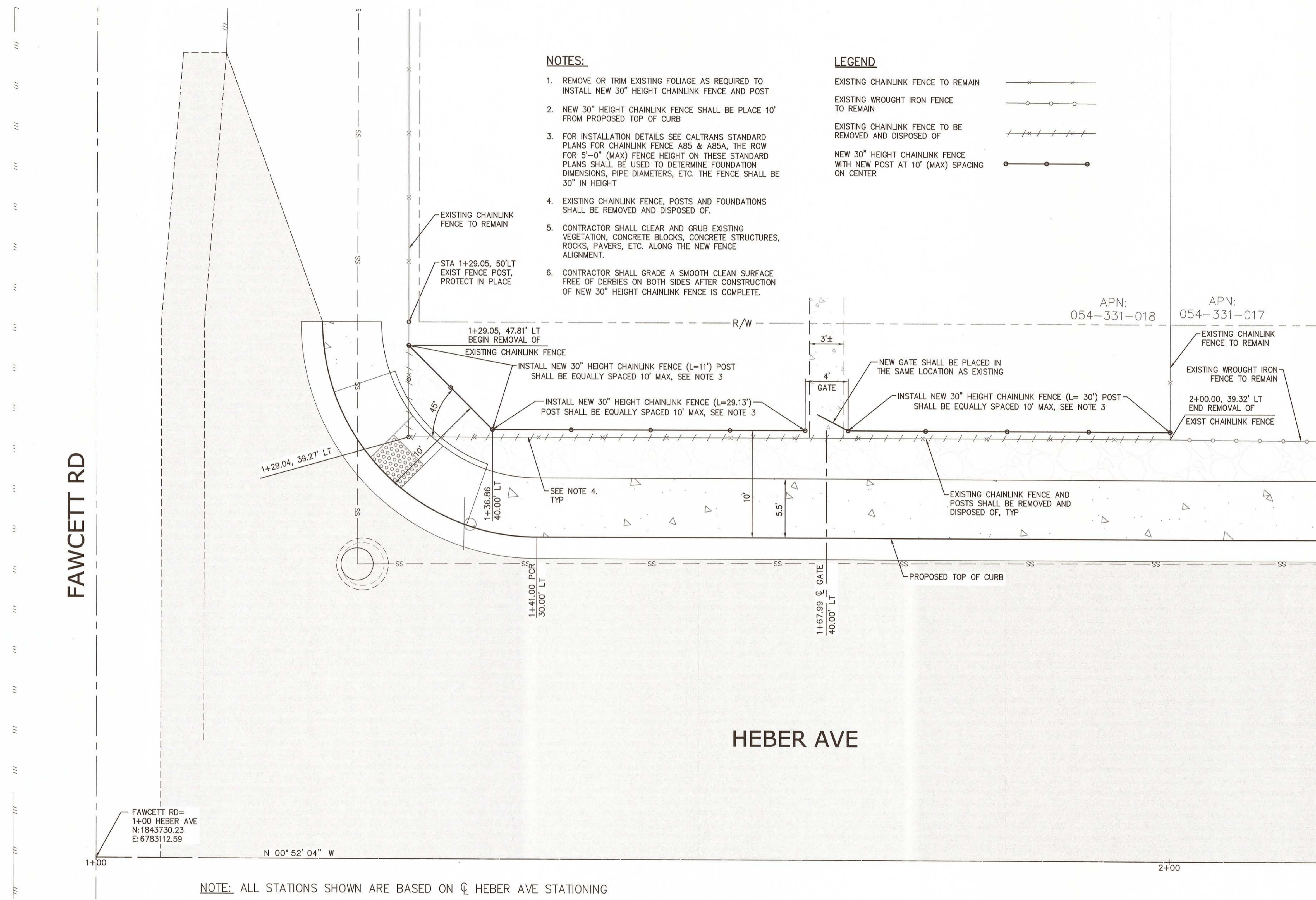
DATE 9/2/2021  
DRAWN SD  
SCALE AS SHOWN  
CHECKED DB

HEBER AVENUE ROAD WIDENING  
AND SIDEWALK IMPROVEMENTS  
COUNTY PROJECT No. 6515

CIVIL DETAILS No. 2

REFERENCE  
R-985

SHEET 7 OF 26



**NOTES:**

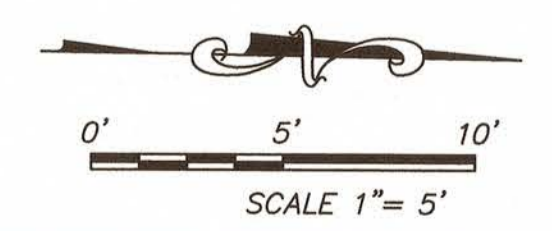
1. REMOVE OR TRIM EXISTING FOLIAGE AS REQUIRED TO INSTALL NEW 30" HEIGHT CHAINLINK FENCE AND POST
2. NEW 30" HEIGHT CHAINLINK FENCE SHALL BE PLACE 10' FROM PROPOSED TOP OF CURB
3. FOR INSTALLATION DETAILS SEE CALTRANS STANDARD PLANS FOR CHAINLINK FENCE AB5 & AB5A, THE ROW FOR 5'-0" (MAX) HEIGHT ON THESE STANDARD PLANS SHALL BE USED TO DETERMINE FOUNDATION DIMENSIONS, PIPE DIAMETERS, ETC. THE FENCE SHALL BE 30" IN HEIGHT
4. EXISTING CHAINLINK FENCE, POSTS AND FOUNDATIONS SHALL BE REMOVED AND DISPOSED OF.
5. CONTRACTOR SHALL CLEAR AND GRUB EXISTING VEGETATION, CONCRETE BLOCKS, CONCRETE STRUCTURES, ROCKS, PAVERS, ETC. ALONG THE NEW FENCE ALIGNMENT.
6. CONTRACTOR SHALL GRADE A SMOOTH CLEAN SURFACE FREE OF DERBIES ON BOTH SIDES AFTER CONSTRUCTION OF NEW 30" HEIGHT CHAINLINK FENCE IS COMPLETE.

**LEGEND**

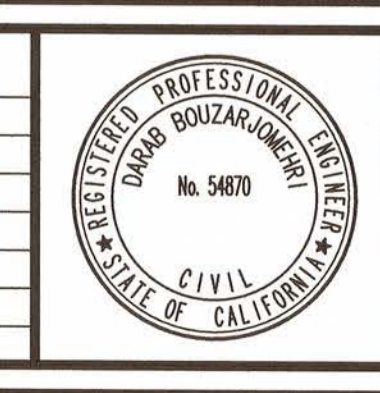
- EXISTING CHAINLINK FENCE TO REMAIN
- EXISTING WROUGHT IRON FENCE TO REMAIN
- EXISTING CHAINLINK FENCE TO BE REMOVED AND DISPOSED OF
- NEW 30" HEIGHT CHAINLINK FENCE WITH NEW POST AT 10' (MAX) SPACING ON CENTER

NOTE: ALL STATIONS SHOWN ARE BASED ON  $\odot$  HEBER AVE STATIONING

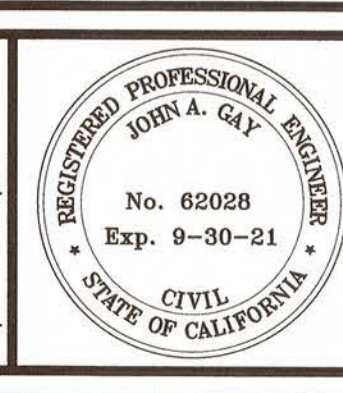
**NIV5**  
 15092 AVENUE OF SCIENCE, SUITE 200  
 SAN DIEGO, CA 92128  
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REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
  
 DARAB BOUZARJOMEHRI, P.E.  
 NVS  
 3/17/2021 DATE  
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COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
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 ROAD COMMISSIONER  
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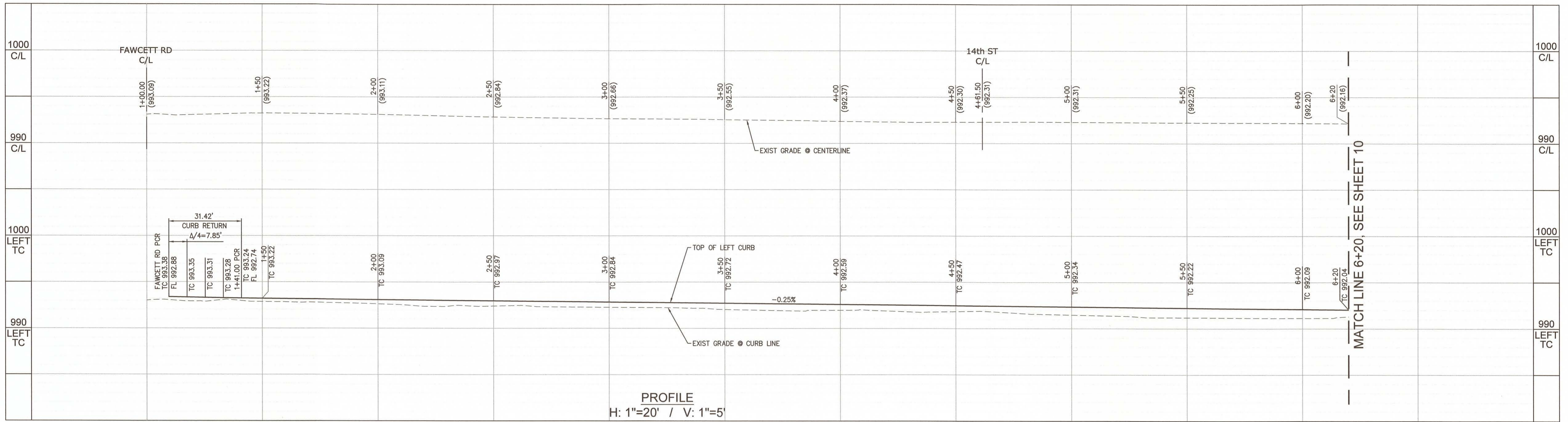
PUBLIC WORKS DEPARTMENT  
**COUNTY OF IMPERIAL**  
 EL CENTRO, CALIFORNIA

DATE 9/8/2021  
 DRAWN SD  
 SCALE AS SHOWN  
 CHECKED DB

**HEBER AVENUE ROAD WIDENING AND SIDEWALK IMPROVEMENTS**  
 COUNTY PROJECT No. 6515

**FENCE REPLACEMENT DETAILS**  
 REFERENCE R-985  
 SHEET 8 OF 26

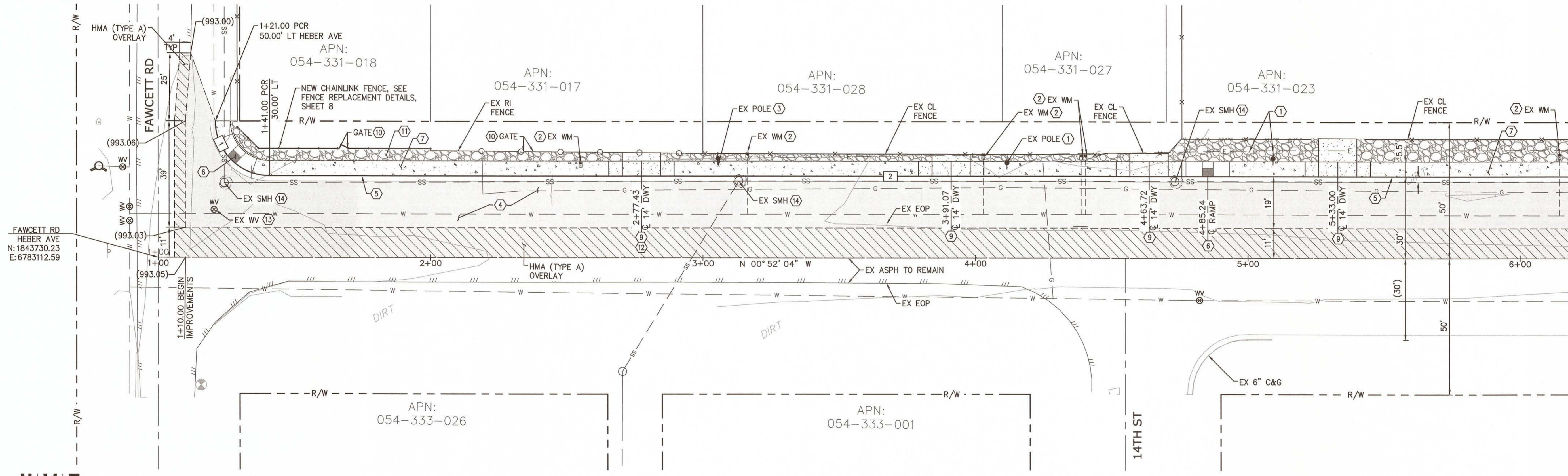
N:\20-0000787\Cadd\Civil\787\_Fence.dwg[Sep-08-2021:15:47



PROFILE  
H: 1"=20' / V: 1"=5'

CURB DATA				
NO	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	$\Delta=90^{\circ}00'00''$	20.00'	31.42'	(5)
2	N 00° 52' 04" W	-	459.00'	(5)

NOTE:  
FOR CONCRETE DRIVEWAY AND PEDESTRIAN RAMP DETAILS  
SEE "DRIVEWAY AND PEDESTRIAN RAMP DETAILS No. 1 & 2"



PLAN  
SCALE: 1"=20'

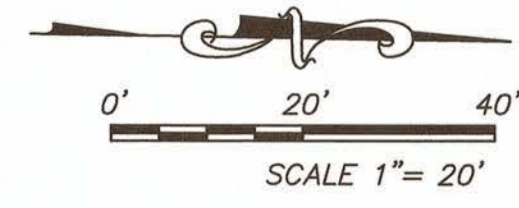
CONSTRUCTION NOTES

- (1) PROTECT IN PLACE
- (2) ADJUST TO GRADE
- (3) TO BE RELOCATED BY OTHERS
- (4) 4" HMA (TYPE A) OVER 12" CI 2 AB WITH 12" SCARIFY AND COMPACT TO 95% R.C.
- (5) 6" CURB AND GUTTER FOR DETAILS SEE "CIVIL DETAILS No. 1"
- (6) CASE "C" PEDESTRIAN RAMP FOR DETAILS SEE "CIVIL DETAILS No. 1"
- (7) CONTIGUOUS SIDEWALK FOR DETAILS SEE "CIVIL DETAILS No. 2"
- (8) CONCRETE CROSS GUTTER FOR DETAILS SEE "CIVIL DETAILS No. 2"
- (9) CONCRETE DRIVEWAY FOR DETAILS SEE "DRIVEWAY AND PEDESTRIAN RAMP DETAILS No. 1 & 2" & "CIVIL DETAILS No. 2" WIDTH AS SHOWN ON PLANS
- (10) EXIST MAN GATE, ACCESS SHALL BE MAINTAINED
- (11) GAPS BETWEEN THE PROPOSED BACK OF SIDEWALK AND THE EXISTING FENCE SHALL BE FILLED WITH CLASS 2 AGGREGATE BASE.
- (12) CONNECT EXISTING CONCRETE DRIVEWAYS TO THE PROPOSED DRIVEWAY SLAB BY DRILL AND EPOXY ONE ROW OF 16" LONG #4 DOWELS AT 16" O.C. SPACING HORIZONTALLY. INSTALL DOWELS INTO THE EXISTING DRIVEWAY SLAB PRIOR TO FORMING SLAB AND CASTING THE PROPOSED DRIVEWAY SLAB.
- (13) WATER VALVES:
  1. ADJUST WATER VALVE COVER TO GRADE. PLACE CONCRETE RING PER HEBER PUBLIC UTILITY DISTRICT STANDARD DETAIL W-103
- (14) SEWER MANHOLES:
  1. CONTRACTOR SHALL PROVIDE A VERTICAL GASKET IN THE MANHOLE RIM TO PROVIDE A WATERTIGHT MANHOLE COVER, AND PREVENT STORM WATER INFILTRATION INTO THE SEWER MANHOLE. SEE SPECIAL PROVISIONS.
  2. CONTRACTOR SHALL EXPOSE THE SEWER MANHOLE UPPER CONE AND ROTATE THE CONE TO LOCATE THE MANHOLE COLLAR AND COVER AWAY FROM THE CURB AND GUTTER FLOW LINE.
  3. PLACE GRADE RINGS AS REQUIRED TO ADJUST THE MANHOLE COVER TO GRADE.
  4. INSTALL A 1'-0" WIDE, 1'-0" DEEP CONCRETE RING CIRCUMFERENTIALLY AROUND THE MANHOLE FRAME. PLACE THE CONCRETE RING FLUSH WITH THE ADJACENT PAVEMENT.
  5. REUSE THE EXISTING MANHOLE FRAME AND COVER, UNLESS DAMAGED DURING THE WORK. ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED WITH IDENTICAL NEW ITEMS AT NO EXPENSE TO THE COUNTY.

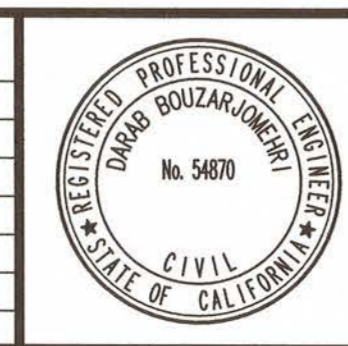
MATCH LINE 6+20, SEE SHEET 10

MATCH LINE 6+20, SEE SHEET 10

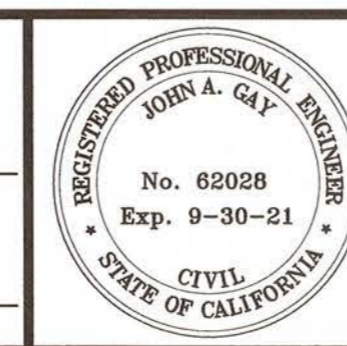
**NV5**  
15092 AVENUE OF SCIENCE, SUITE 200  
SAN DIEGO, CA 92128  
P: 858.385.0500 WWW.NV5.COM



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
*Darab Bouzarjomehri*  
DARAB BOUZARJOMEHRI, P.E.  
NV5  
3/17/2021  
DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
APPROVED FOR CONSTRUCTION BY:  
*John A. Gay*  
JOHN A. GAY, P.E.  
ROAD COMMISSIONER  
9/30/21  
DATE

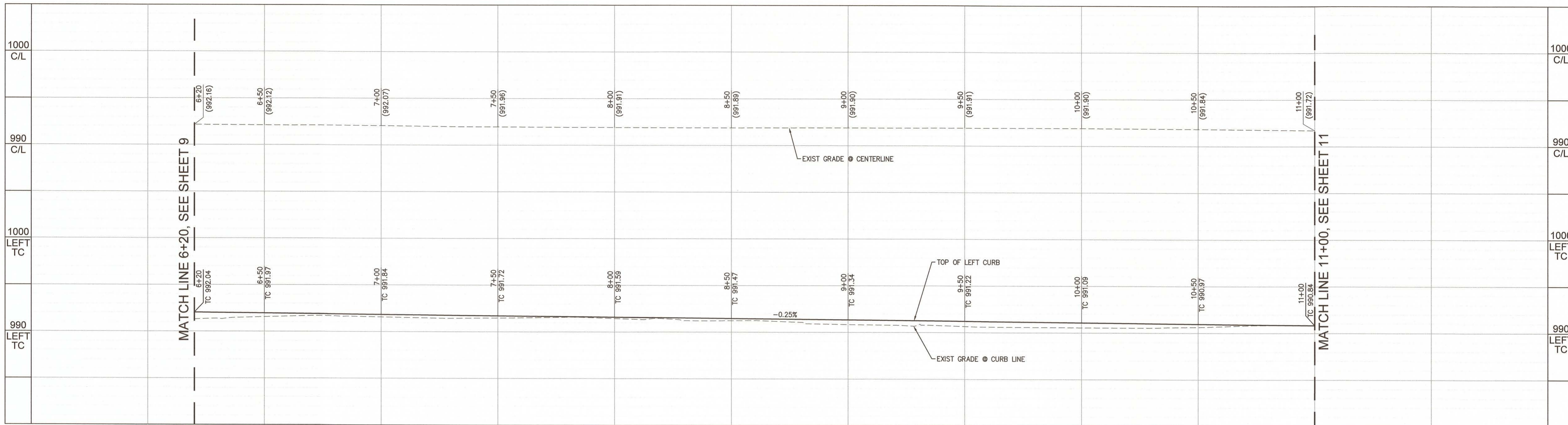
COUNTY OF IMPERIAL  
PUBLIC WORKS DEPARTMENT  
EL CENTRO, CALIFORNIA

DATE 9/2/2021  
DRAWN SD  
SCALE AS SHOWN  
CHECKED DB

HEBER AVENUE ROAD WIDENING  
AND SIDEWALK IMPROVEMENTS  
COUNTY PROJECT No. 6515

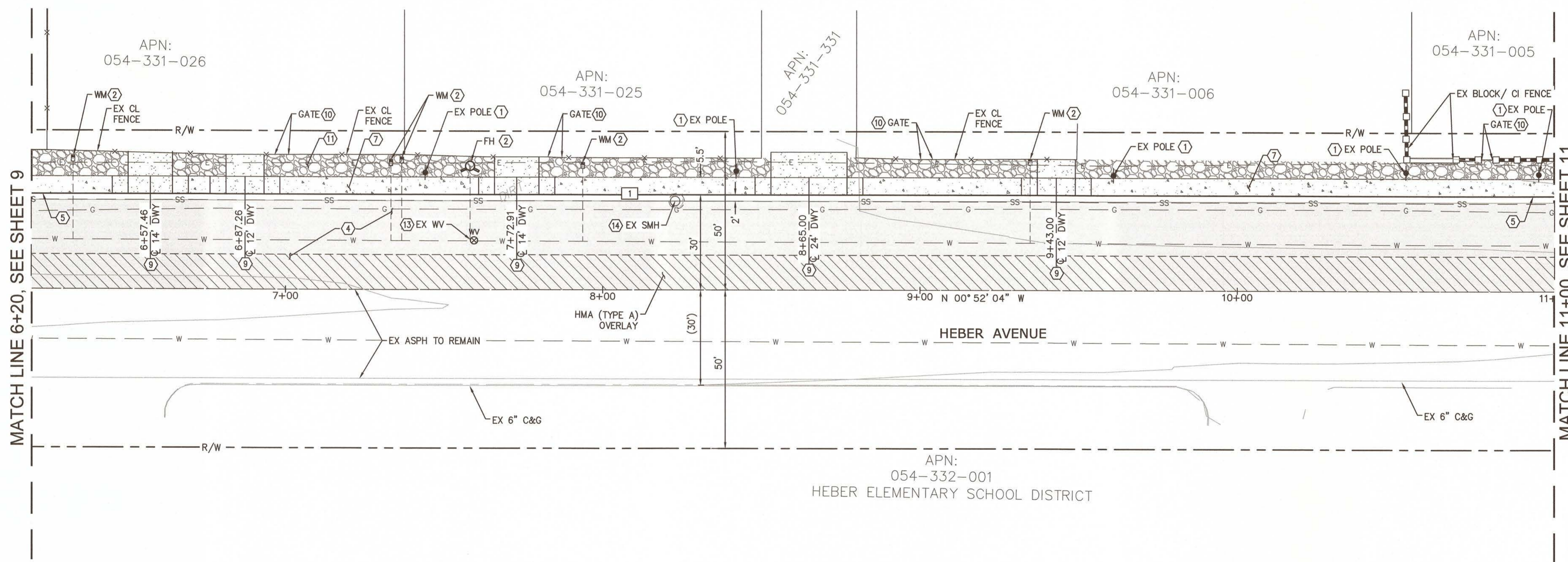
HEBER AVE PLAN & PROFILE  
1+00 TO 6+00  
REFERENCE R-985  
SHEET 9 OF 26

N:\20-0000787\Cadd\Civil\787\_P&P.dwg | Sen-02-2021-13-25



CURB DATA				
NO	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N 00° 52' 04" W	-	500.00'	(5)

NOTE:  
FOR CONCRETE DRIVEWAY AND PEDESTRIAN RAMP DETAILS  
SEE "DRIVEWAY AND PEDESTRIAN RAMP DETAILS No. 1 & 2"



- CONSTRUCTION NOTES**
- (1) PROTECT IN PLACE
  - (2) ADJUST TO GRADE
  - (3) TO BE RELOCATED BY OTHERS
  - (4) 4" HMA (TYPE A) OVER 12" CI 2 AB WITH 12" SCARIFY AND COMPACT TO 95% R.C.
  - (5) 6" CURB AND GUTTER FOR DETAILS SEE "CIVIL DETAILS No. 1"
  - (6) CASE "C" PEDESTRIAN RAMP FOR DETAILS SEE "CIVIL DETAILS No. 1"
  - (7) CONTIGUOUS SIDEWALK FOR DETAILS SEE "CIVIL DETAILS No. 2"
  - (8) CONCRETE CROSS GUTTER FOR DETAILS SEE "CIVIL DETAILS No. 2"
  - (9) CONCRETE DRIVEWAY FOR DETAILS SEE "DRIVEWAY AND PEDESTRIAN RAMP DETAILS No. 1 & 2" AND "CIVIL DETAILS No. 2" WIDTH AS SHOWN ON PLANS
  - (10) EXIST MAN GATE, ACCESS SHALL BE MAINTAINED
  - (11) GAPS BETWEEN THE PROPOSED BACK OF SIDEWALK AND THE EXISTING FENCE SHALL BE FILLED WITH CLASS 2 AGGREGATE BASE.
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  - (13) WATER VALVES:
    1. ADJUST WATER VALVE COVER TO GRADE. PLACE CONCRETE RING PER HEBER PUBLIC UTILITY DISTRICT STANDARD DETAIL W-103
  - (14) SEWER MANHOLES:
    1. CONTRACTOR SHALL PROVIDE A VERTICAL GASKET IN THE MANHOLE RIM TO PROVIDE A WATERTIGHT MANHOLE COVER, AND PREVENT STORM WATER INFILTRATION INTO THE SEWER MANHOLE. SEE SPECIAL PROVISIONS.
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    3. PLACE GRADE RINGS AS REQUIRED TO ADJUST THE MANHOLE COVER TO GRADE.
    4. INSTALL A 1'-0" WIDE, 1'-0" DEEP CONCRETE RING CIRCUMFERENTIALLY AROUND THE MANHOLE FRAME. PLACE THE CONCRETE RING FLUSH WITH THE ADJACENT PAVEMENT.
    5. REUSE THE EXISTING MANHOLE FRAME AND COVER, UNLESS DAMAGED DURING THE WORK. ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED WITH IDENTICAL NEW ITEMS AT NO EXPENSE TO THE COUNTY.

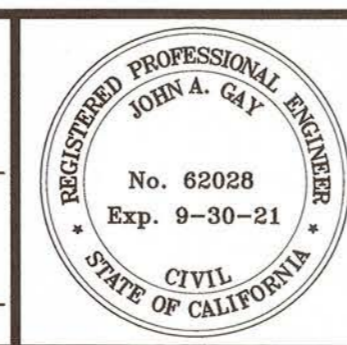
**NV5**  
 15092 AVENUE OF SCIENCE, SUITE 200  
 SAN DIEGO, CA 92128  
 P: 858.385.0500 WWW.NV5.COM

SCALE 1" = 20'

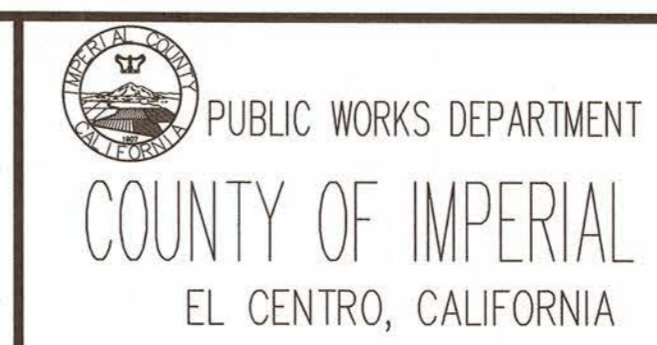
REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
 Darab Bouzarjomehri, P.E.  
 NV5  
 3/17/2021  
 DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
 APPROVED FOR CONSTRUCTION BY:  
 John A. Gay, P.E.  
 ROAD COMMISSIONER  
 6/30/22  
 REG. EXP.

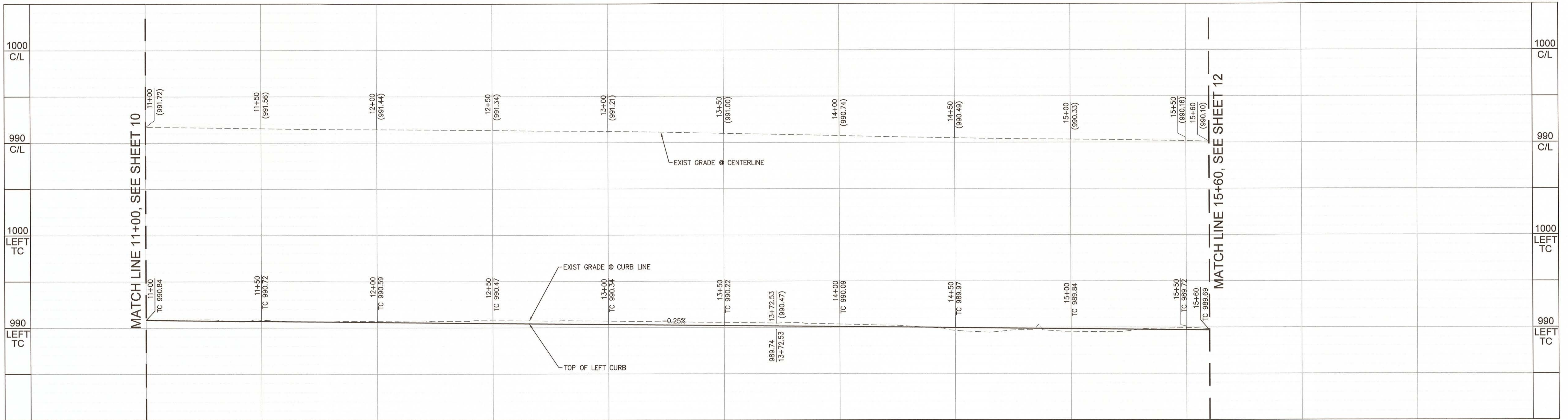


DATE 9/2/2021  
 DRAWN SD  
 SCALE AS SHOWN  
 CHECKED DB

**HEBER AVENUE ROAD WIDENING AND SIDEWALK IMPROVEMENTS**  
 COUNTY PROJECT No. 6515

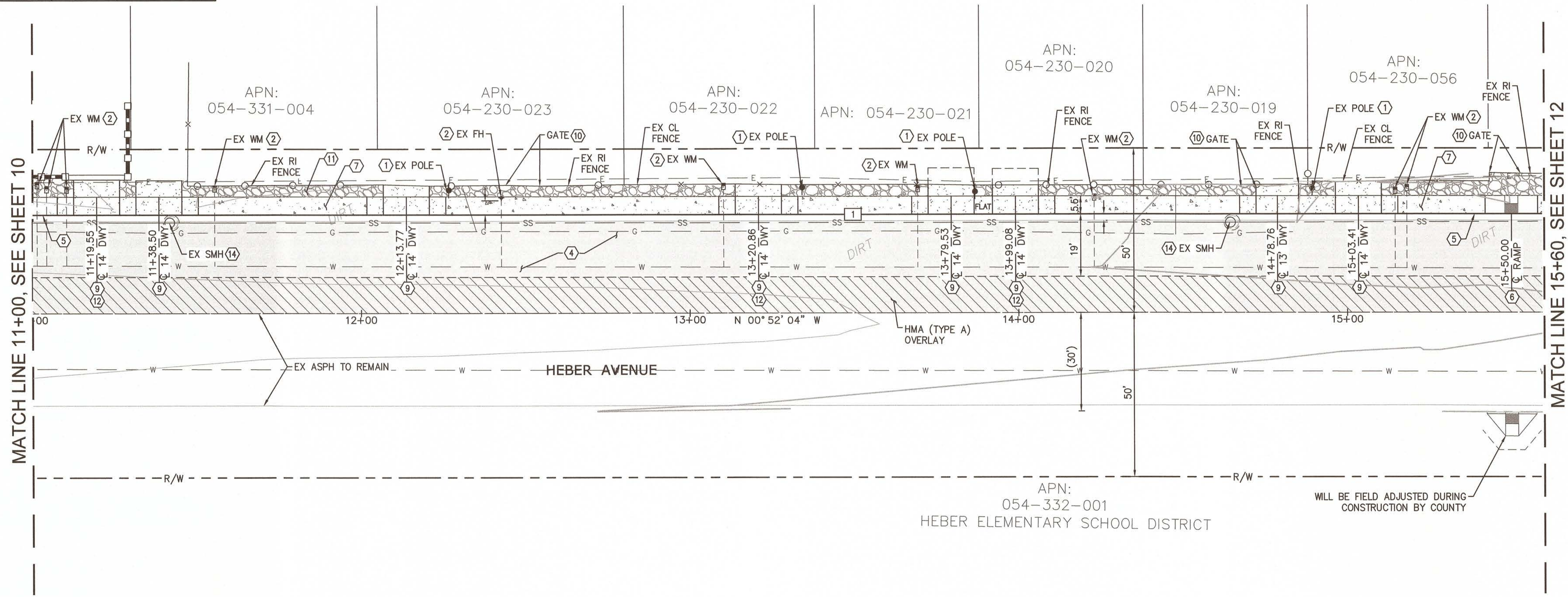
HEBER AVE PLAN & PROFILE	
6+00 TO 11+00	
REFERENCE	SHEET
R-985	10 OF 26

N:\90-0000787\Coord\Civil\787 PaP.dwg | San-02-2021-13-25



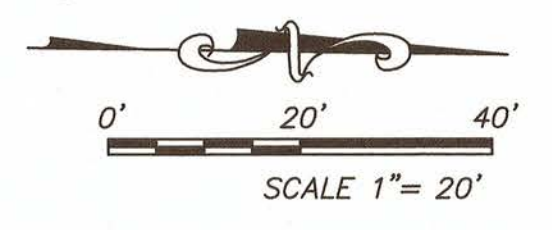
CURB DATA			
NO	DELTA/BEARING	RADIUS	LENGTH
1	N 00° 52' 04" W	-	460.00'

NOTE:  
FOR CONCRETE DRIVEWAY AND PEDESTRIAN RAMP DETAILS  
SEE "DRIVEWAY AND PEDESTRIAN RAMP DETAILS No. 1 & 2"

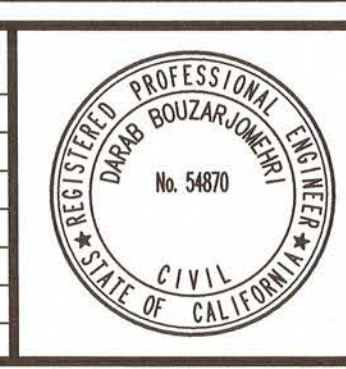


- CONSTRUCTION NOTES**
- 1 PROTECT IN PLACE
  - 2 ADJUST TO GRADE
  - 3 TO BE RELOCATED BY OTHERS
  - 4 4" HMA (TYPE A) OVER 12" CI 2 AB WITH 12" SCARIFY AND COMPACT TO 95% R.C.
  - 5 6" CURB AND GUTTER FOR DETAILS SEE "CIVIL DETAILS No. 1"
  - 6 CASE "C" PEDESTRIAN RAMP FOR DETAILS SEE "CIVIL DETAILS No. 1"
  - 7 CONTIGUOUS SIDEWALK FOR DETAILS SEE "CIVIL DETAILS No. 2"
  - 8 CONCRETE CROSS GUTTER FOR DETAILS SEE "CIVIL DETAILS No. 2"
  - 9 CONCRETE DRIVEWAY FOR DETAILS SEE "DRIVEWAY AND PEDESTRIAN RAMP DETAILS No. 1 & 2" & "CIVIL DETAILS No. 2" WIDTH AS SHOWN ON PLANS
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  - 13 WATER VALVES:
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  - 14 SEWER MANHOLES:
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**NV5**  
15092 AVENUE OF SCIENCE, SUITE 200  
SAN DIEGO, CA 92128  
P: 858.385.0500 WWW.NV5.COM

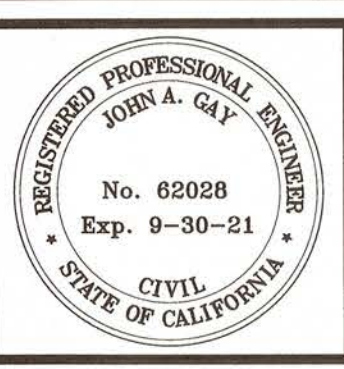


REVISION	DATE	COMMENTS



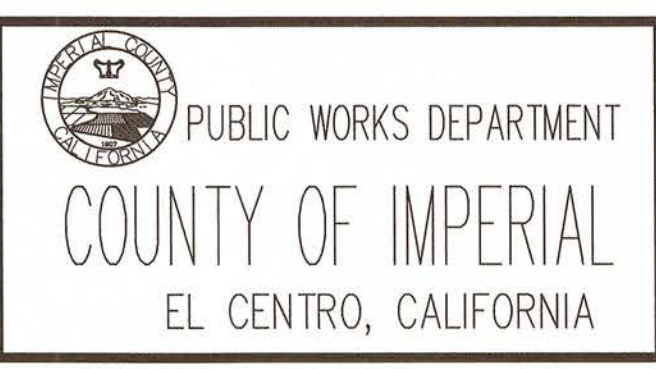
PREPARED UNDER THE DIRECT SUPERVISION OF:  
*Darab Bouzarjomehri*  
DARAB BOUZARJOMEHRI, P.E.  
NV5  
3/17/2021  
DATE

54870  
R.C.E. No.  
6/30/22  
REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
APPROVED FOR CONSTRUCTION BY:  
*John A. Gay*  
JOHN A. GAY, P.E.  
ROAD COMMISSIONER  
9/30/21  
DATE

62028  
R.C.E. No.  
9/30/21  
REG. EXP.

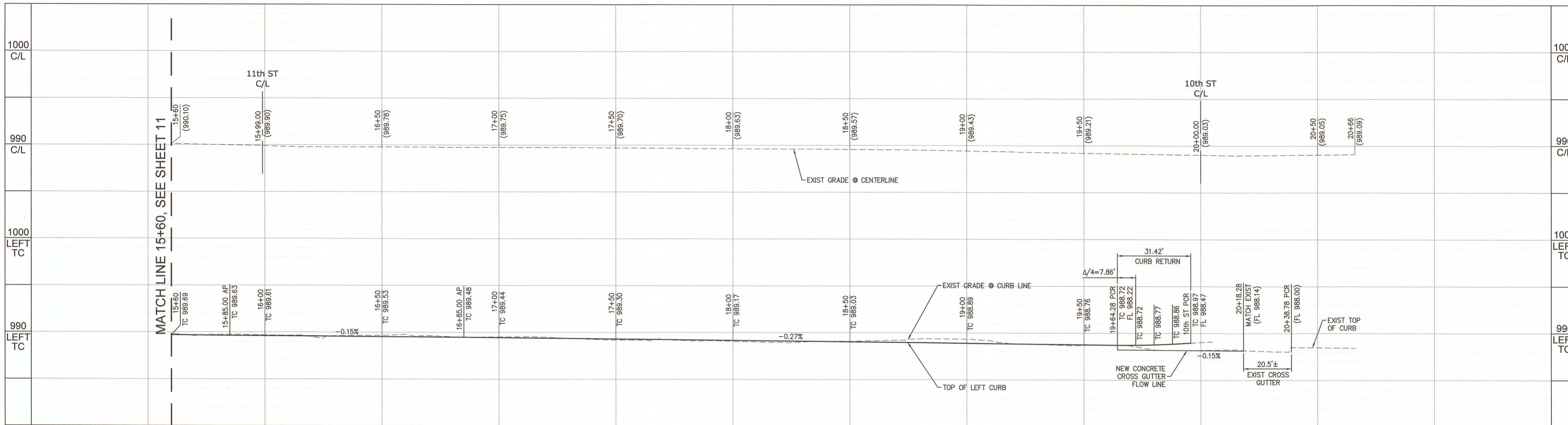


DATE 9/2/2021  
DRAWN SD  
SCALE AS SHOWN  
CHECKED DB

**HEBER AVENUE ROAD WIDENING AND SIDEWALK IMPROVEMENTS**  
COUNTY PROJECT No. 6515

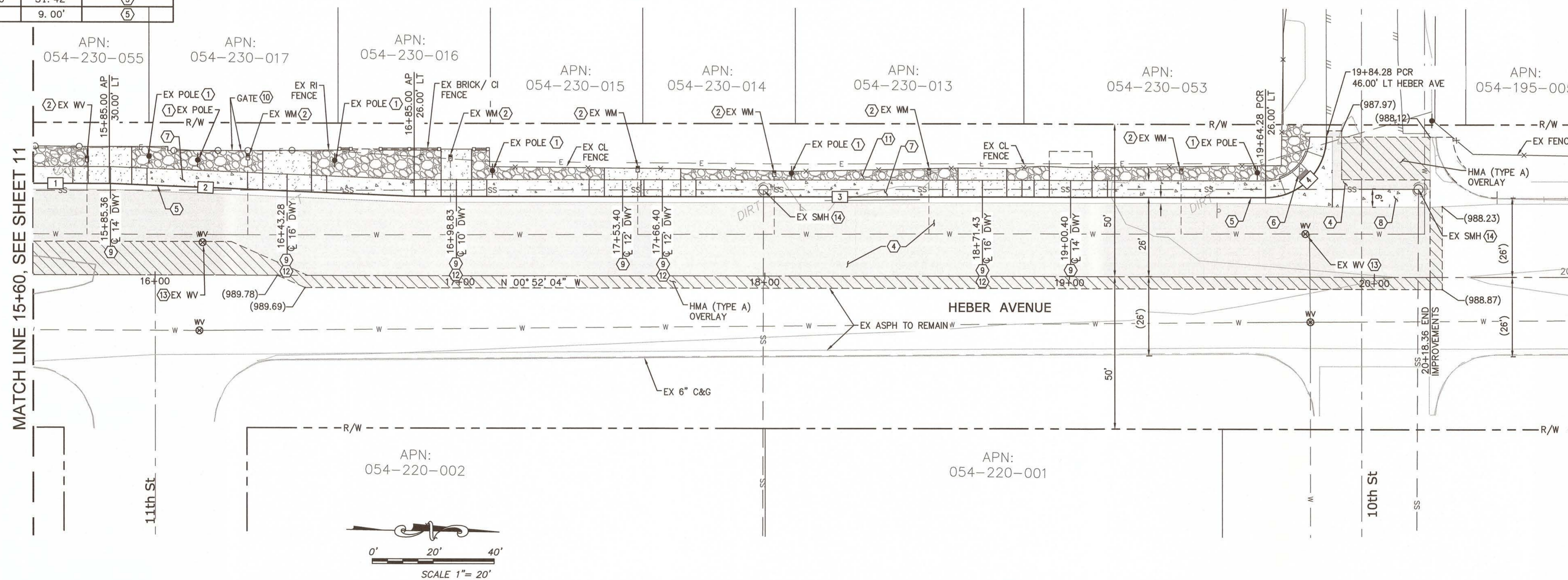
HEBER AVE PLAN & PROFILE	
11+00 TO 15+60	
REFERENCE R-985	SHEET 11 OF 26

N:\20-0000787\Code\Civil\787 PaP.dwg | Sen-02-2021-13-25



CURB DATA				
NO	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N 00° 52' 04" W	-	25.00'	(5)
2	N 01° 25' 23" E	-	100.08'	(5)
3	N 00° 52' 04" W	-	279.28'	(5)
4	Δ=90° 00' 00"	20.00'	31.42'	(5)
5	N 89° 07' 56" E	-	9.00'	(5)

NOTE:  
FOR CONCRETE DRIVEWAY AND PEDESTRIAN RAMP DETAILS  
SEE "DRIVEWAY AND PEDESTRIAN RAMP DETAILS No. 1 & 2"

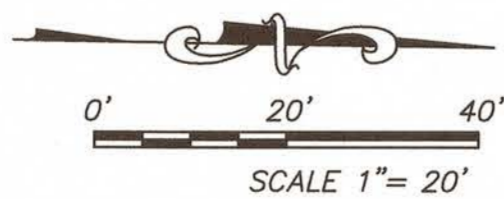


**CONSTRUCTION NOTES**

- (1) PROTECT IN PLACE
- (2) ADJUST TO GRADE
- (3) TO BE RELOCATED BY OTHERS
- (4) 4" HMA (TYPE A) OVER 12" CI 2 AB WITH 12" SCARIFY AND COMPACT TO 95% R.C.
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- (9) CONCRETE DRIVEWAY FOR DETAILS SEE "DRIVEWAY AND PEDESTRIAN RAMP DETAILS No. 1 & 2" & "CIVIL DETAILS No. 2" WIDTH AS SHOWN ON PLANS
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**NV5**

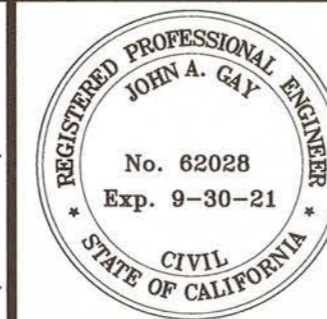
15092 AVENUE OF SCIENCE, SUITE 200  
SAN DIEGO, CA 92128  
P: 858.385.0500 WWW.NV5.COM



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
*Darab Bouzarjomehri*  
DARAB BOUZARJOMEHRI, P.E.  
NV5  
3/17/2021  
DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
APPROVED FOR CONSTRUCTION BY:  
*John A. Gay*  
JOHN A. GAY, P.E.  
ROAD COMMISSIONER  
4/9/21  
DATE

PUBLIC WORKS DEPARTMENT  
COUNTY OF IMPERIAL  
EL CENTRO, CALIFORNIA

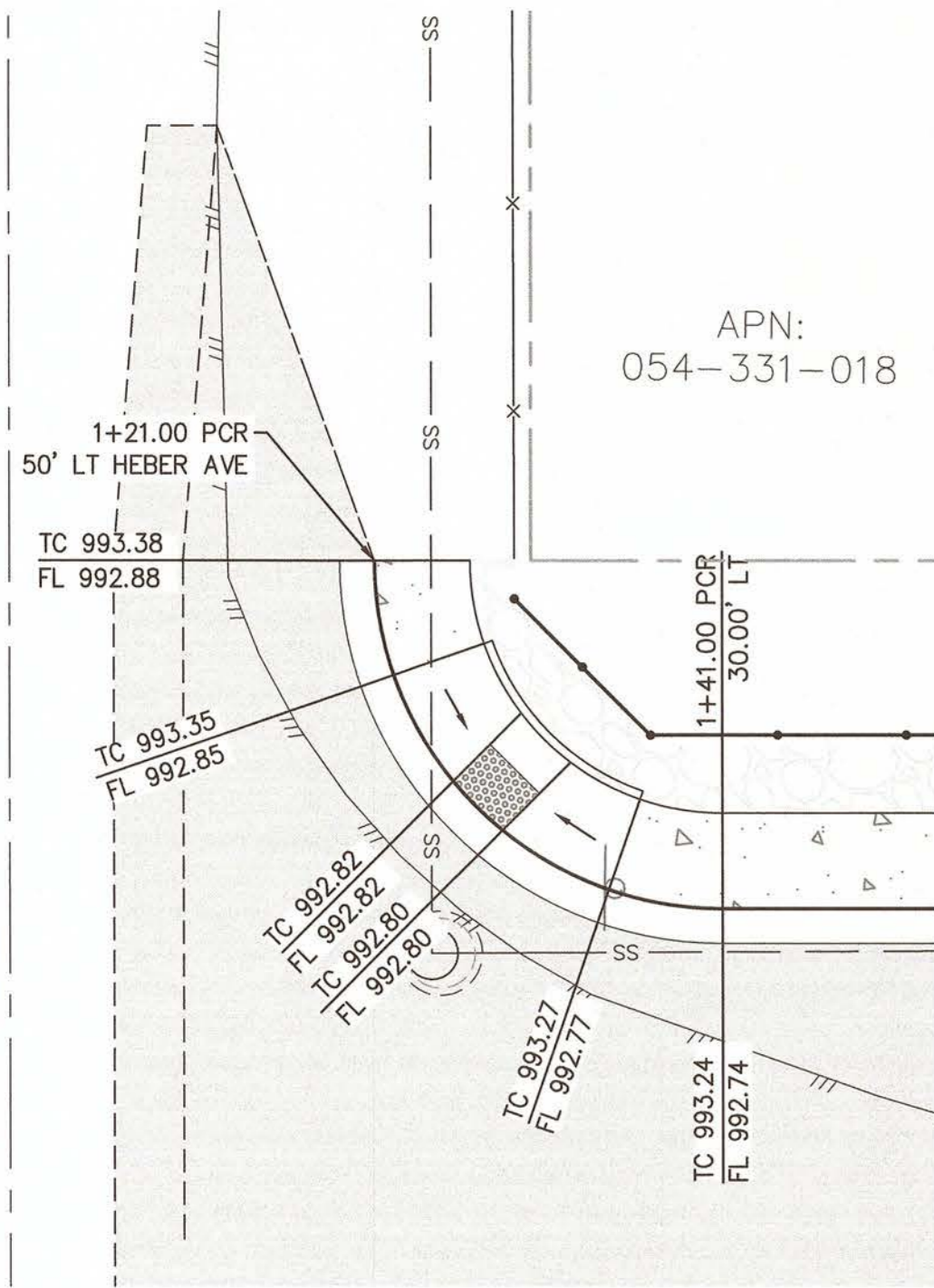
DATE 9/2/2021  
DRAWN SD  
SCALE AS SHOWN  
CHECKED DB

HEBER AVENUE ROAD WIDENING  
AND SIDEWALK IMPROVEMENTS  
COUNTY PROJECT No. 6515

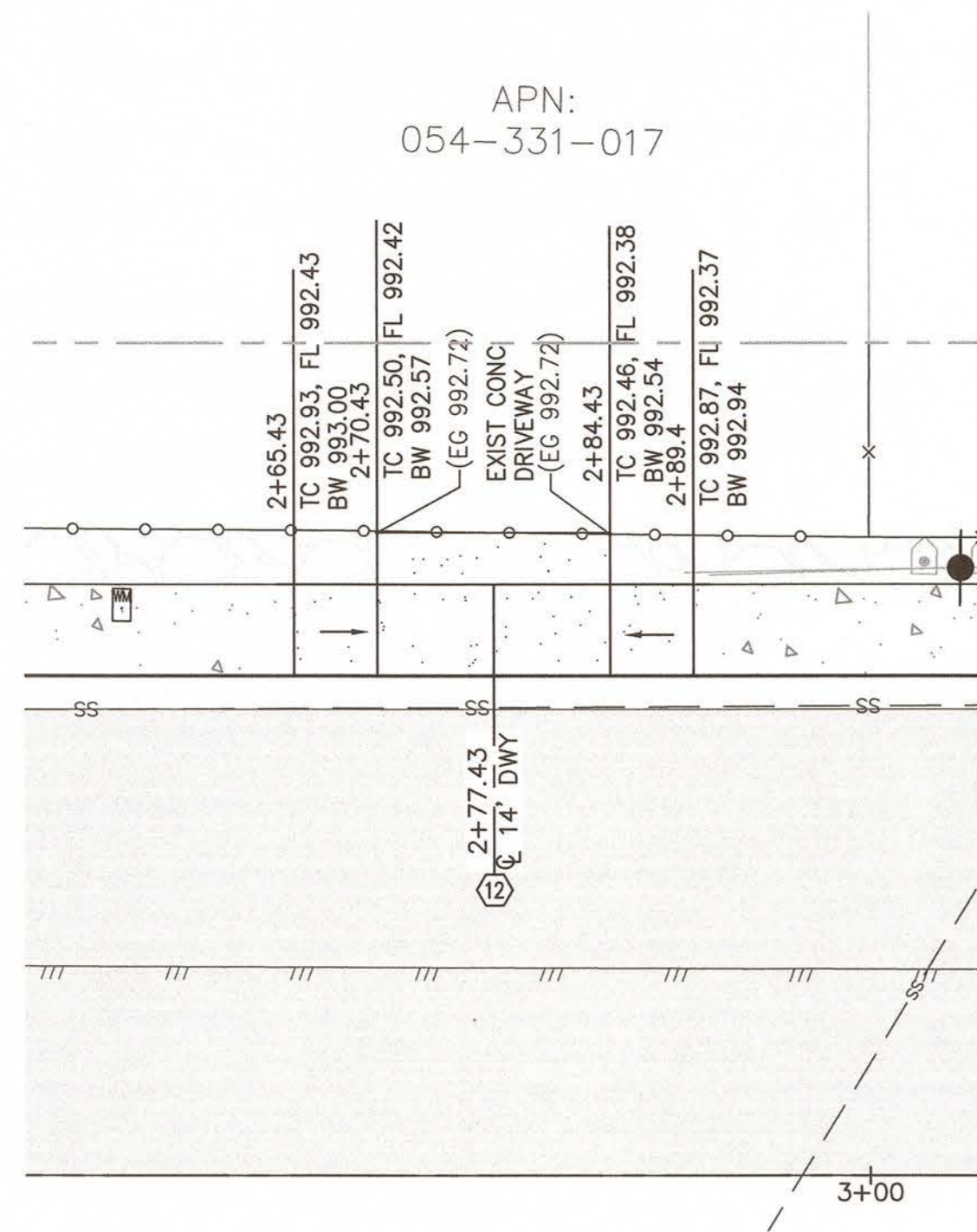
HEBER AVE PLAN & PROFILE  
15+60 TO 20+18.28  
REFERENCE R-985  
SHEET 12 OF 26

N:\20-0000787\Conrad\Civil\787\_P&P.dwg Tscen-02-2021-13-25

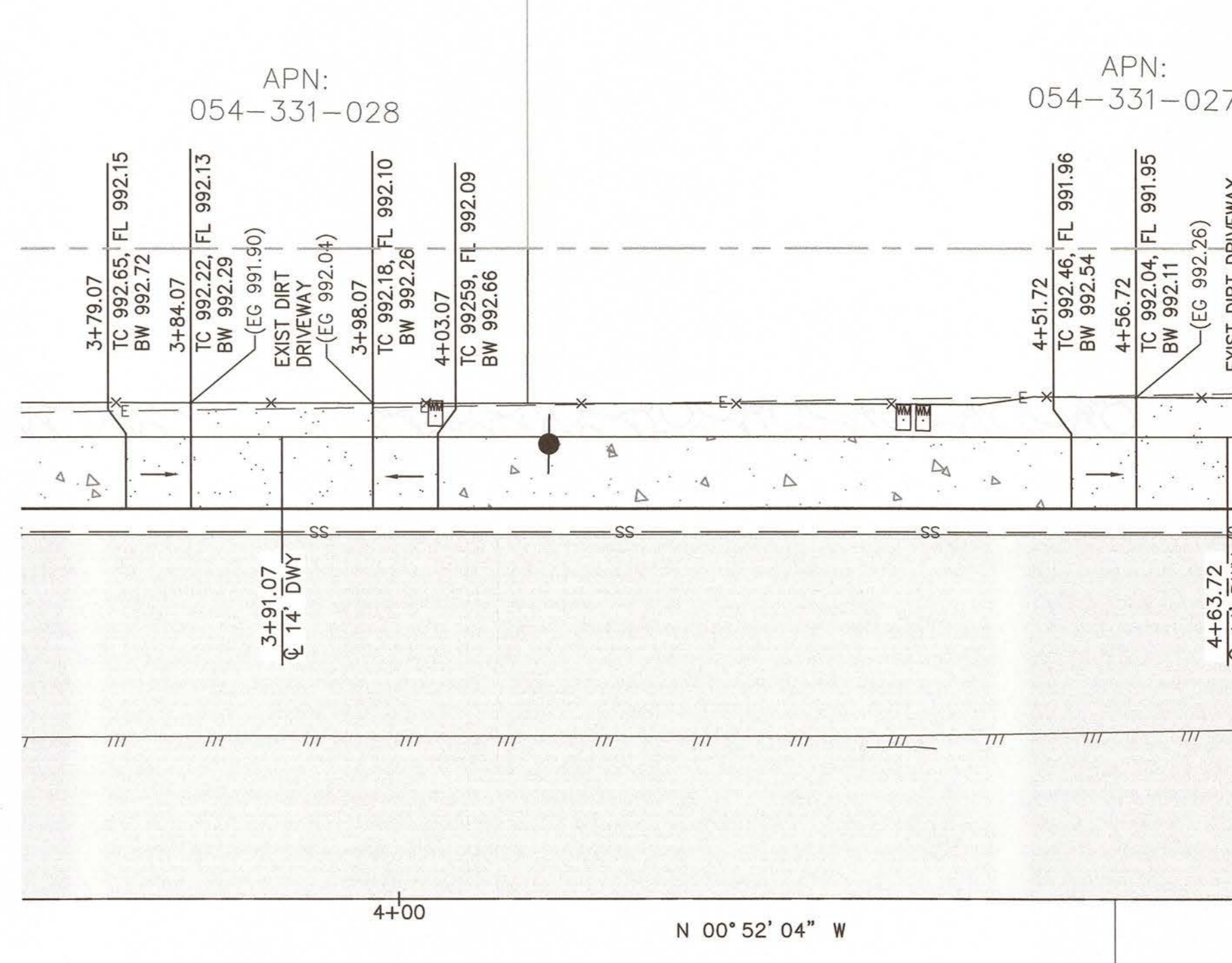
**FAWCETT RD**



**PEDESTRIAN RAMP 1**

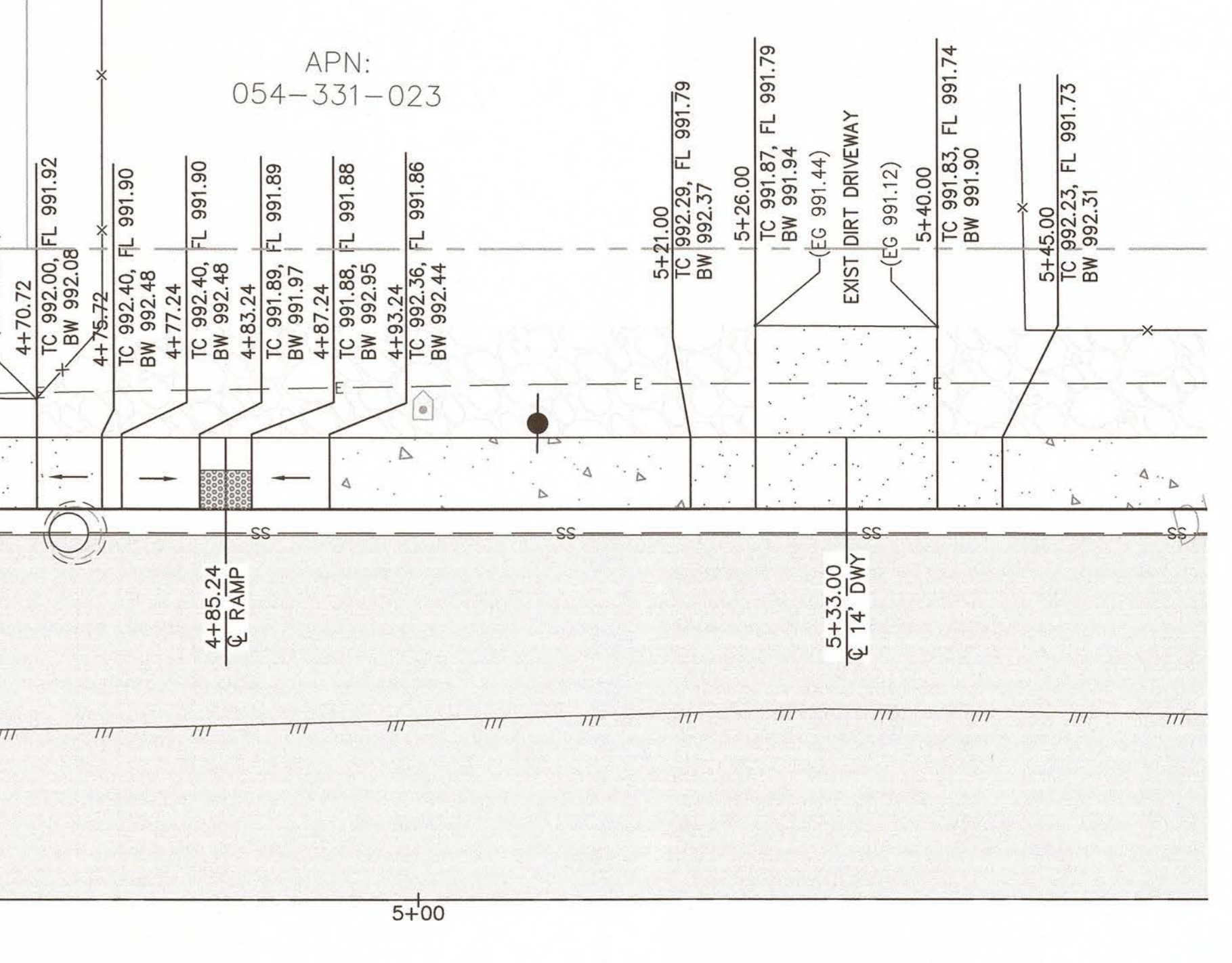


**DRIVEWAY 1**



**DRIVEWAY 2**

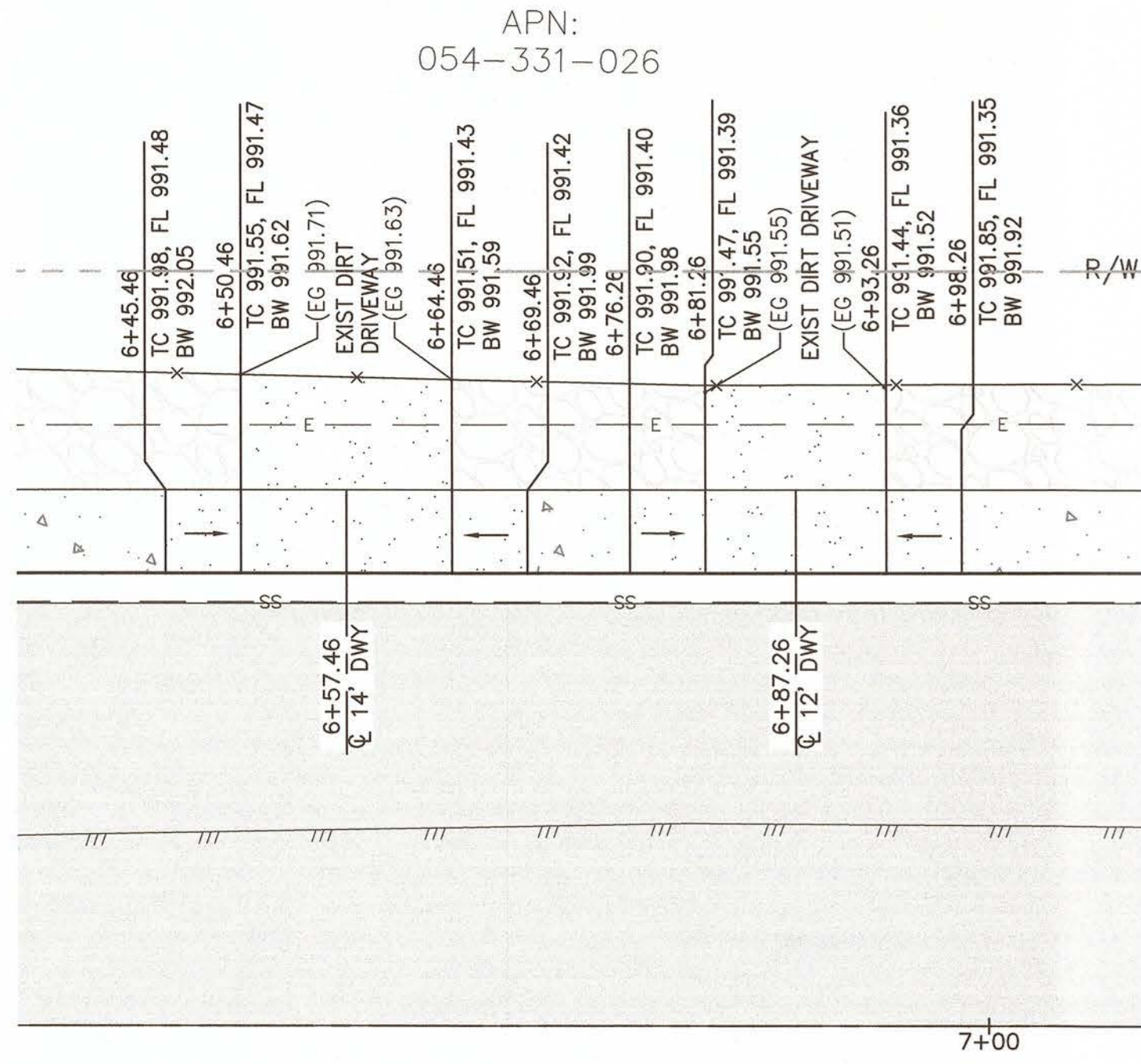
**DRIVEWAY 3**



**PEDESTRIAN RAMP 2**

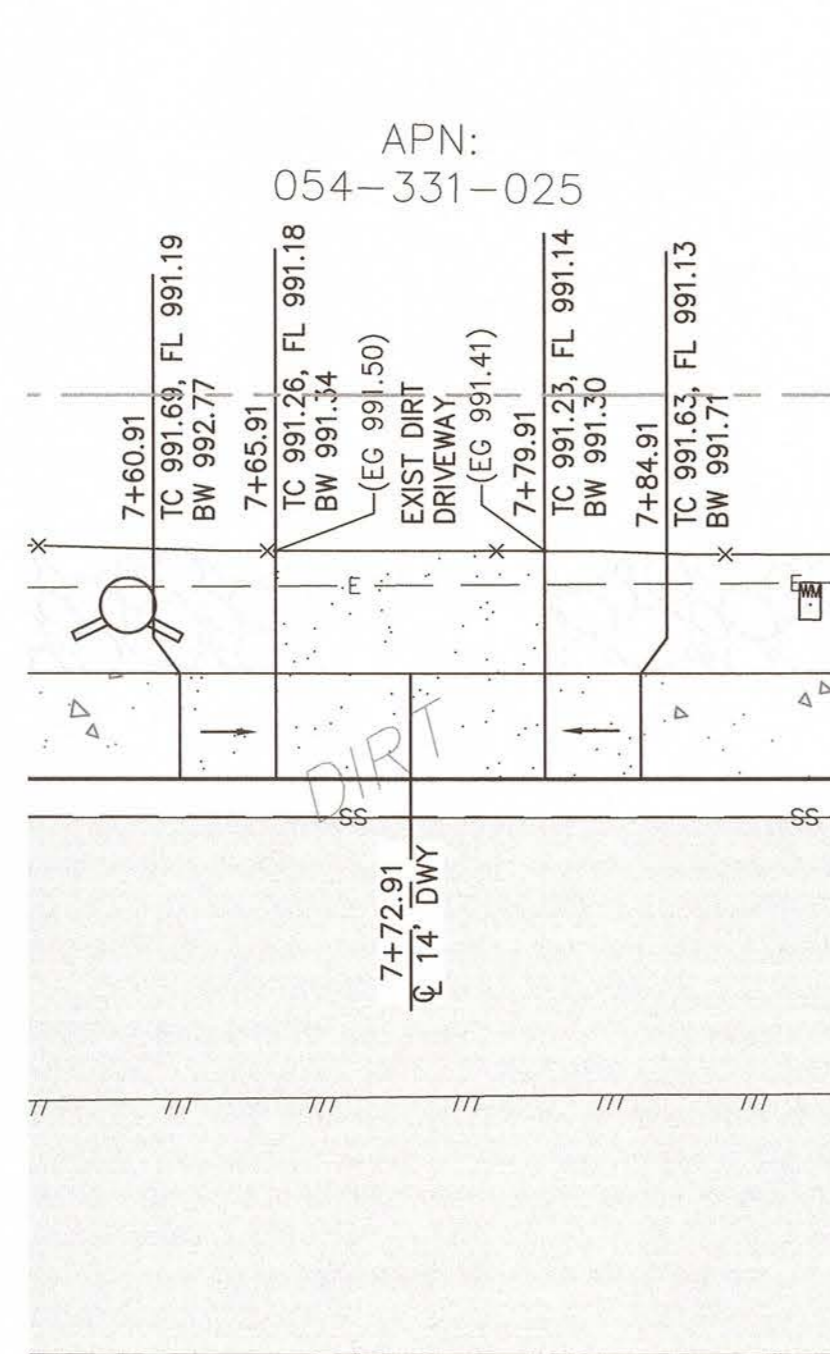
**DRIVEWAY 4**

CONNECT EXISTING CONCRETE DRIVEWAYS TO THE PROPOSED DRIVEWAY SLAB BY DRILL AND EPOXY ONE ROW OF 16" LONG #4 DOWELS AT 16" O.C. SPACING HORIZONTALLY. INSTALL DOWELS INTO THE EXISTING DRIVEWAY SLAB PRIOR TO FORMING SLAB AND CASTING THE PROPOSED DRIVEWAY SLAB. (SEE "CONCRETE DRIVEWAY" DETAIL ON "CIVIL DETAILS No.2" SHEET)

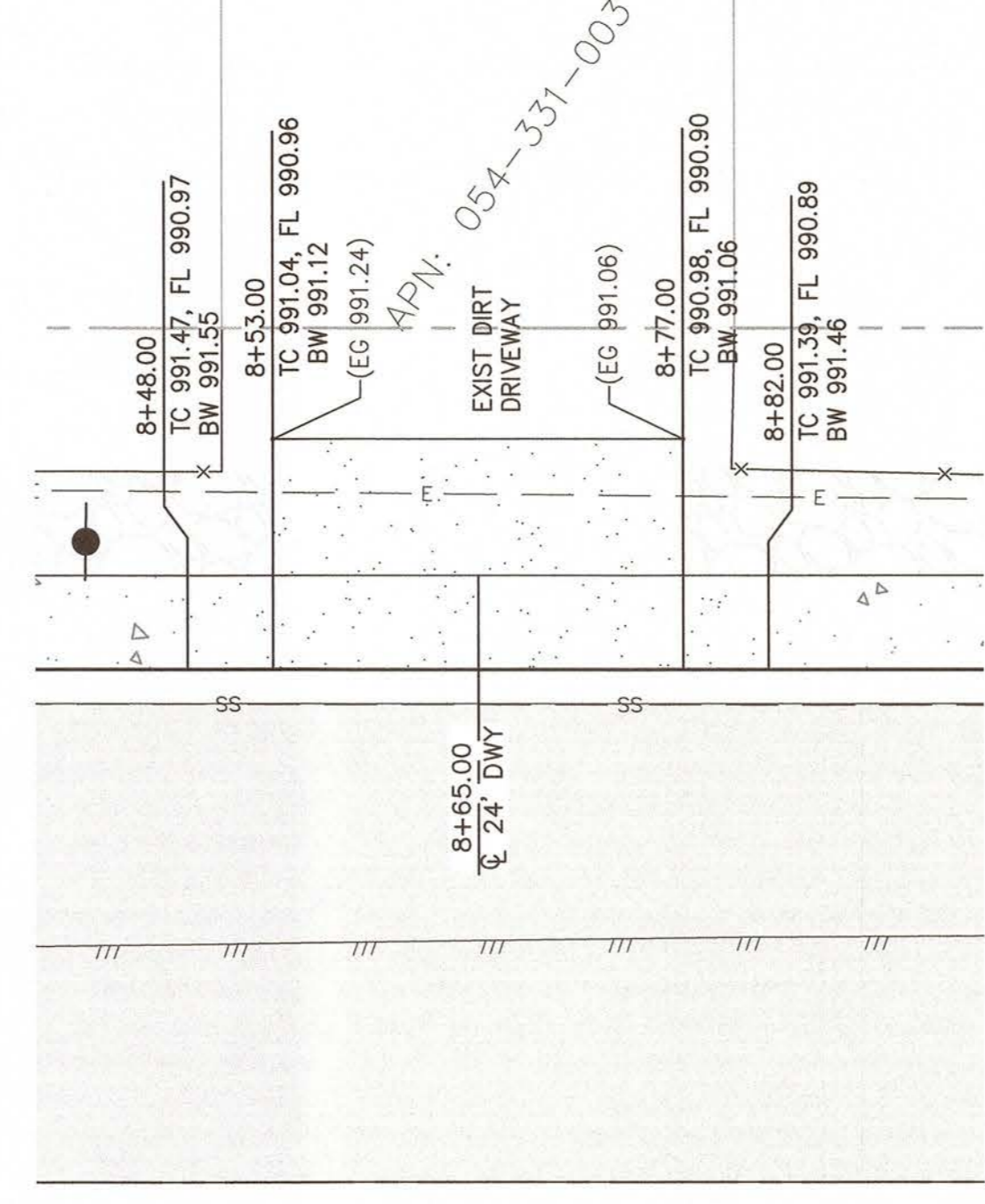


**DRIVEWAY 5**

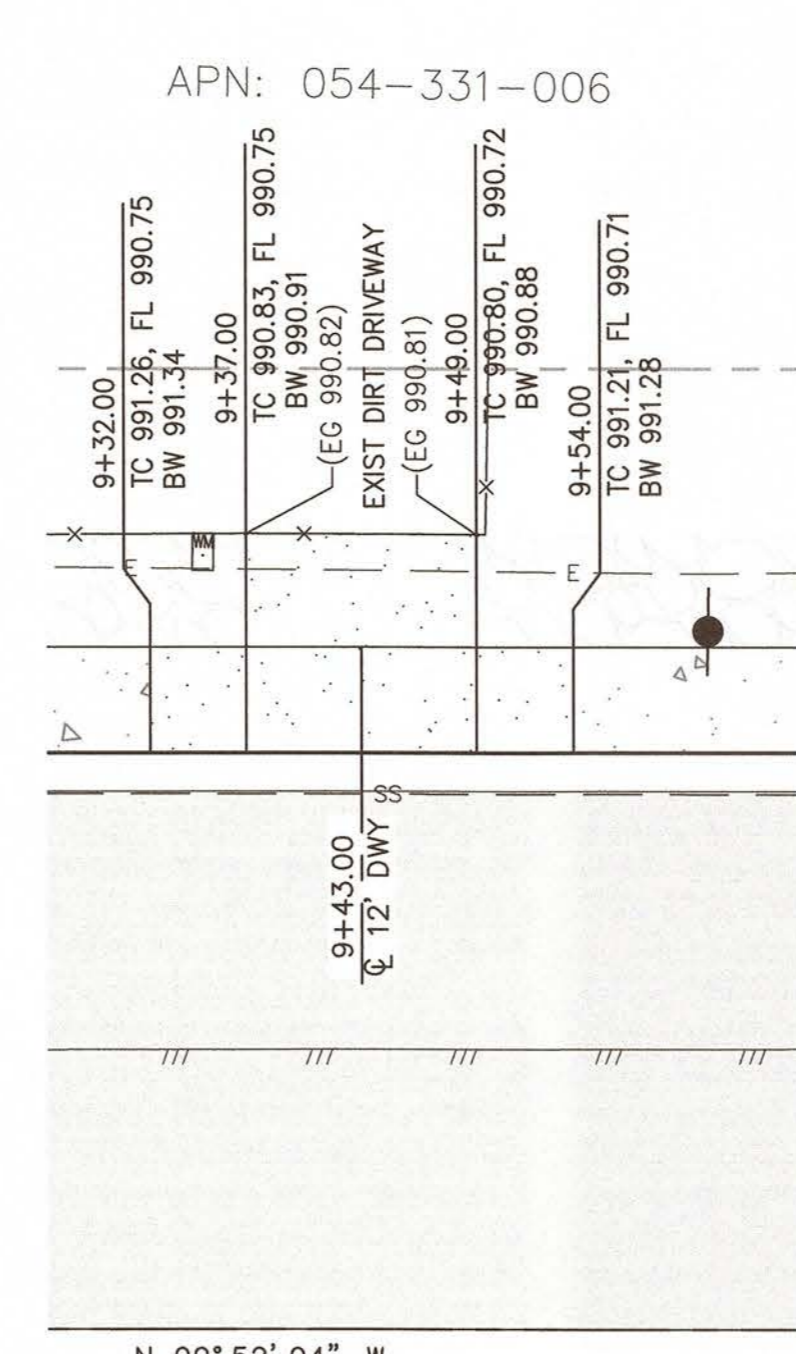
**DRIVEWAY 6**



**DRIVEWAY 7**



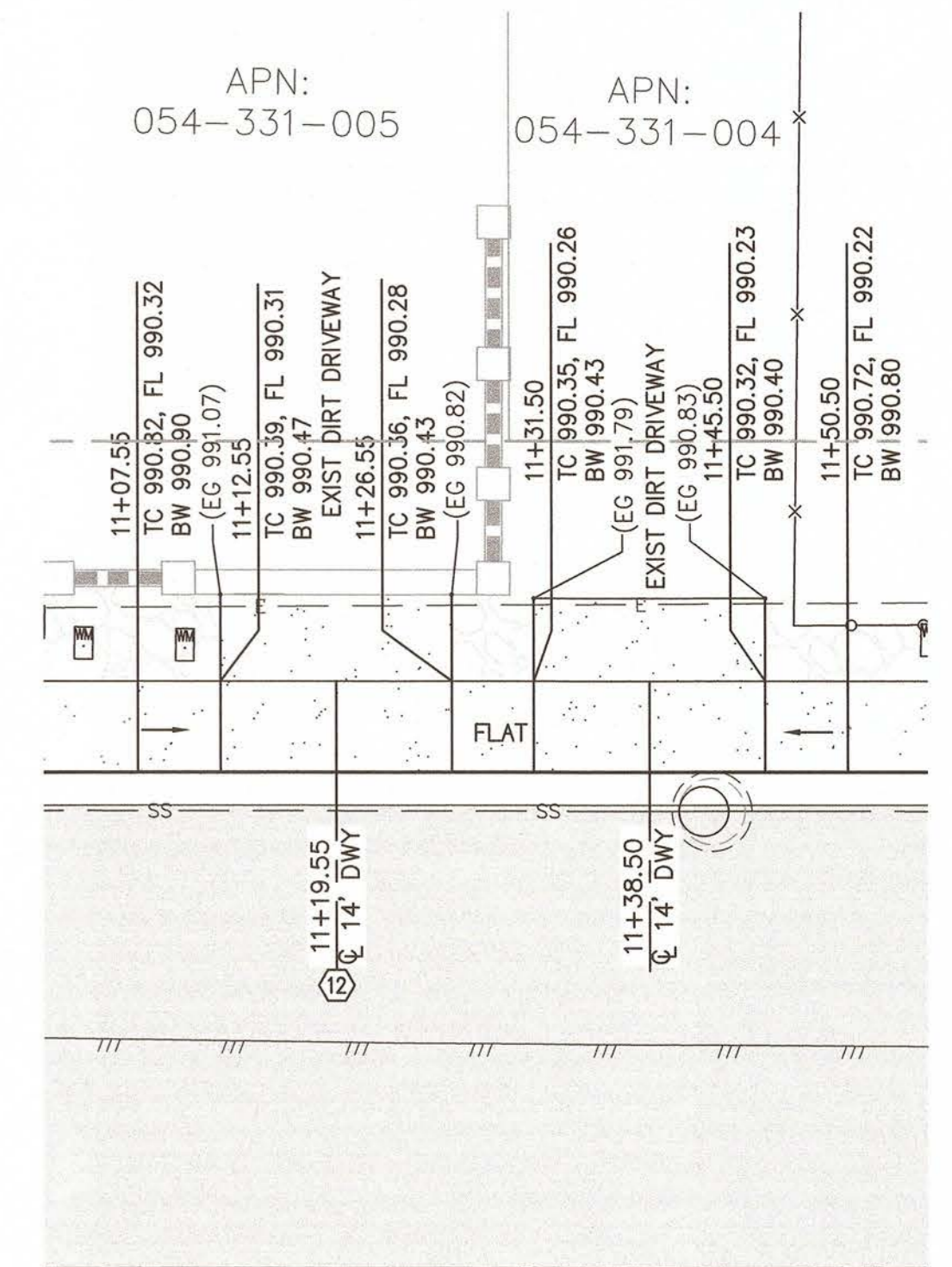
**DRIVEWAY 8**



**DRIVEWAY 9**



**DRIVEWAY 10  
REMOVED**

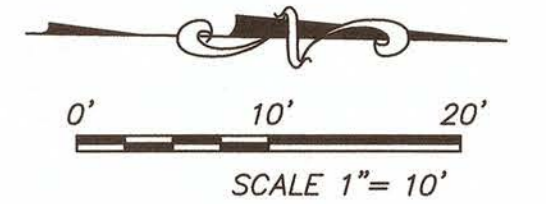


**DRIVEWAY 11 & 11a**



15092 AVENUE OF SCIENCE, SUITE 200  
SAN DIEGO, CA 92128  
P: 858.385.0500 WWW.NV5.COM

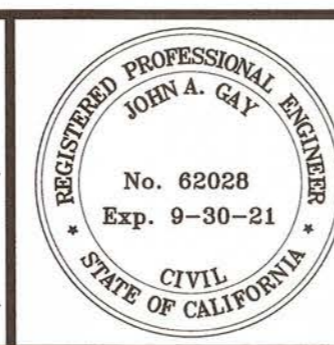
**PLAN**  
SCALE: 1"=20'



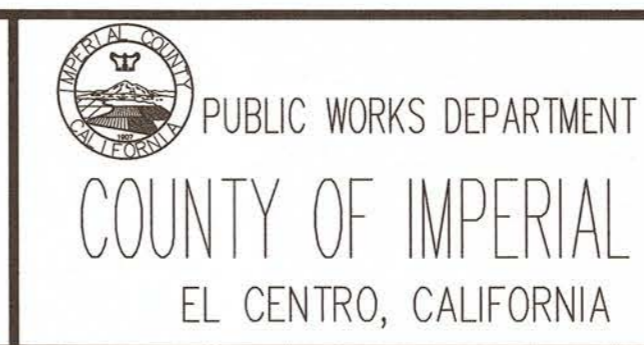
REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
*Darab Bouzarjomehri*  
DARAB BOUZARJOMEHRI, P.E.  
NV5  
3/17/2021  
DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
APPROVED FOR CONSTRUCTION BY:  
*John A. Gay*  
JOHN A. GAY, P.E.  
ROAD COMMISSIONER  
9/9/21  
DATE



DATE 9/2/2021  
DRAWN SD  
SCALE AS SHOWN  
CHECKED DB

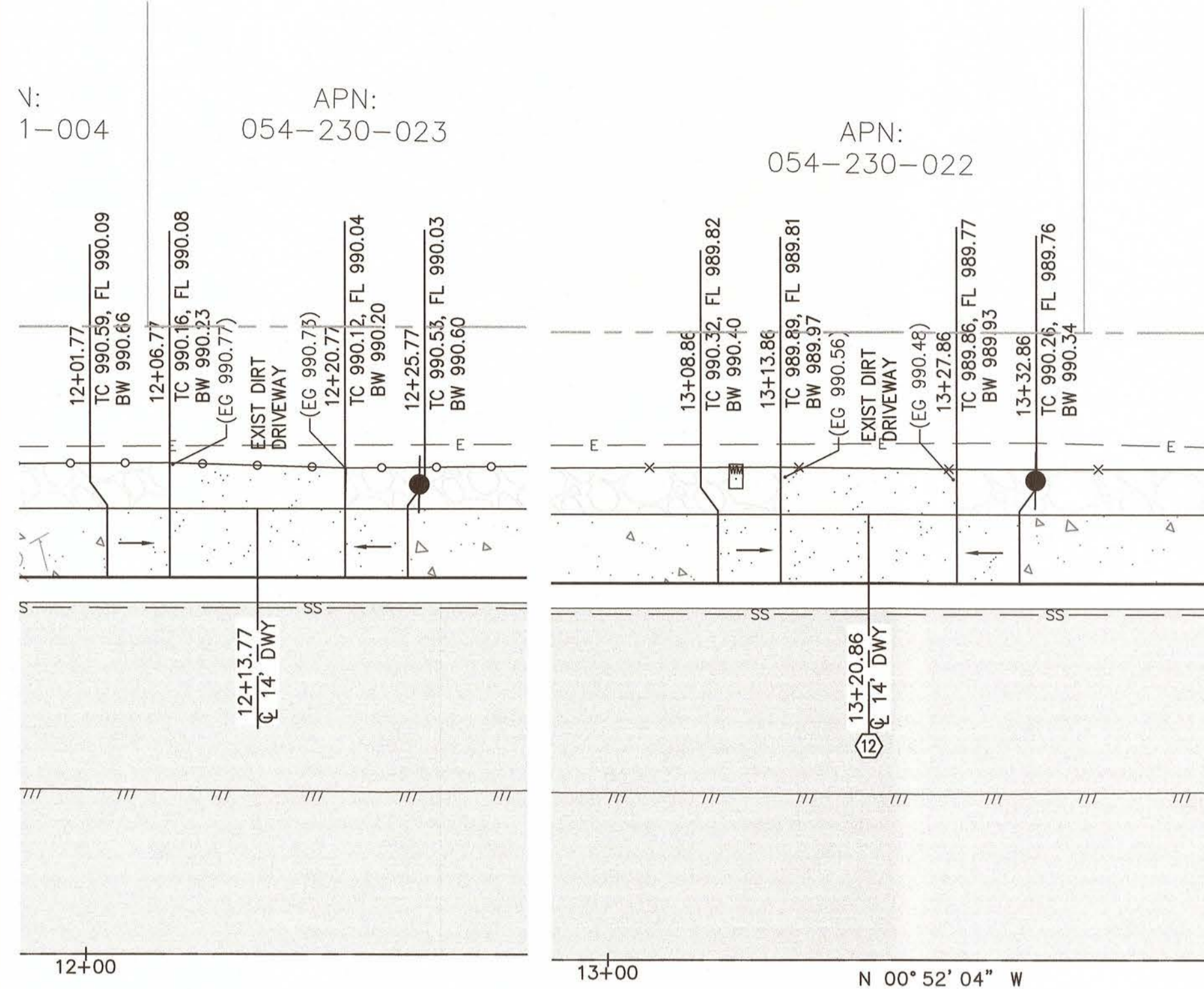
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AND SIDEWALK IMPROVEMENTS  
COUNTY PROJECT No. 6515

<b>DRIVEWAY AND PEDESTRIAN RAMP DETAILS No. 1</b>	
REFERENCE R-985	SHEET 13 OF 26

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V:  
1-004

APN:  
054-230-023

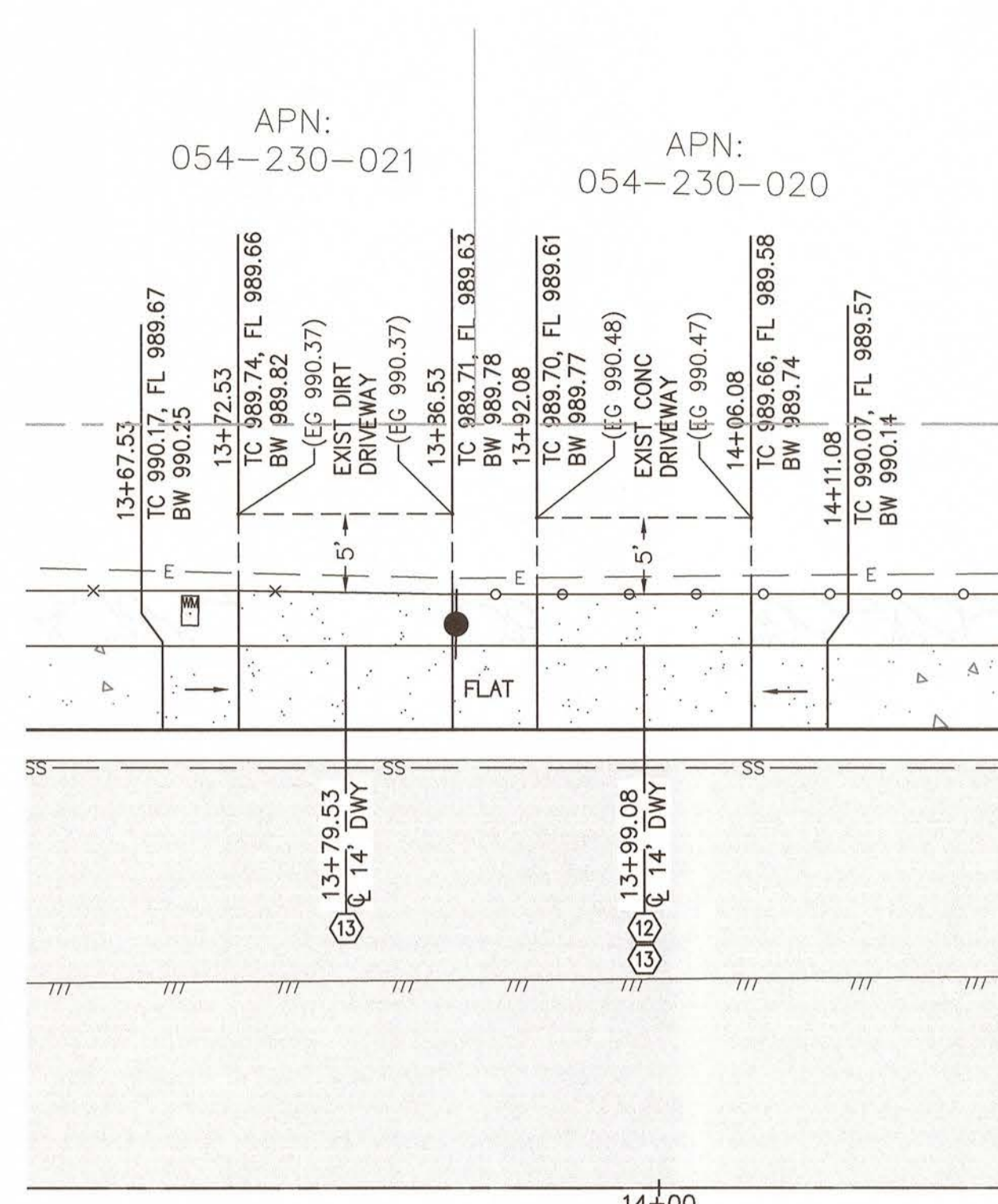


DRIVEWAY 12

DRIVEWAY 13

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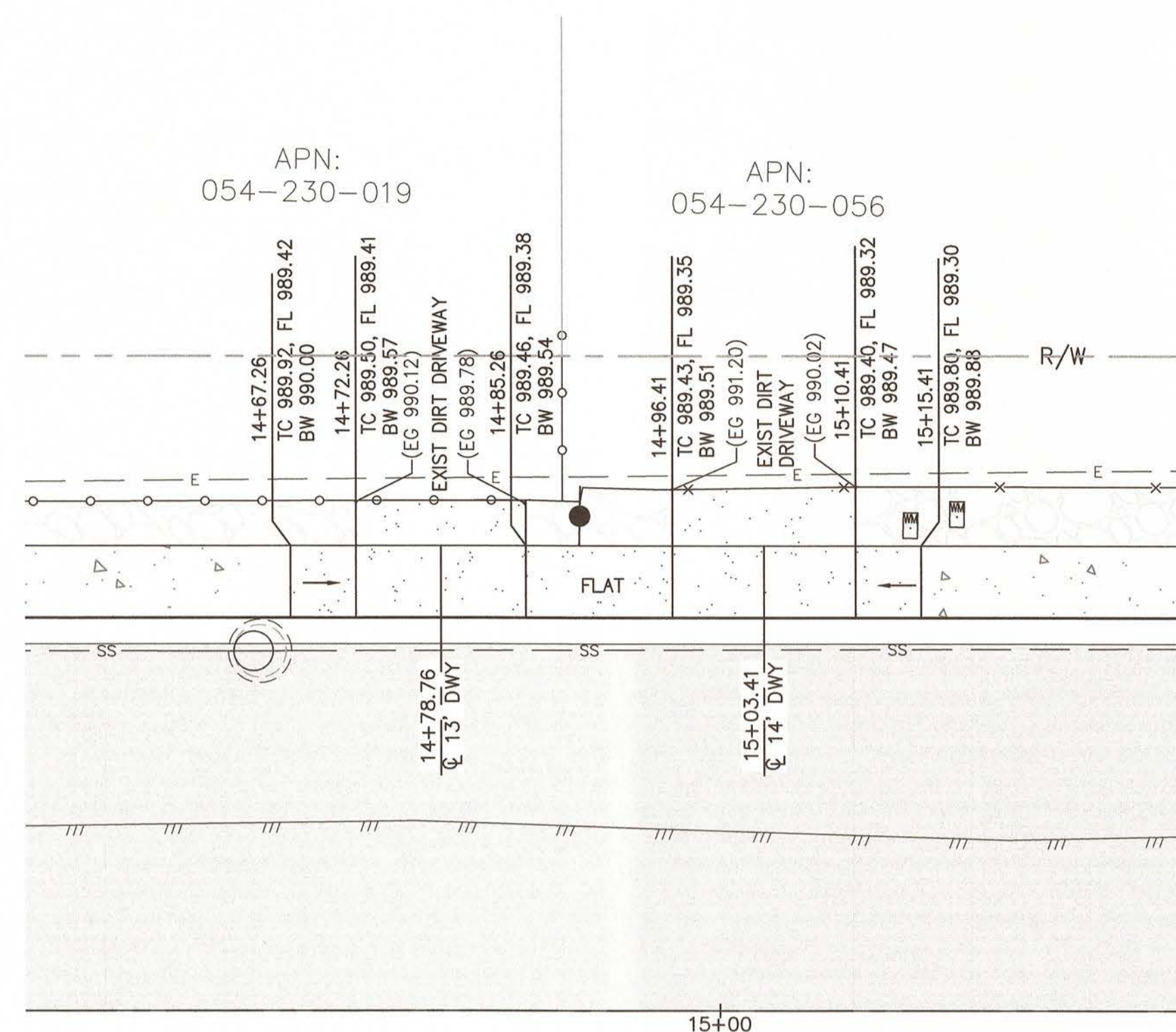
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DRIVEWAY 14 & 15

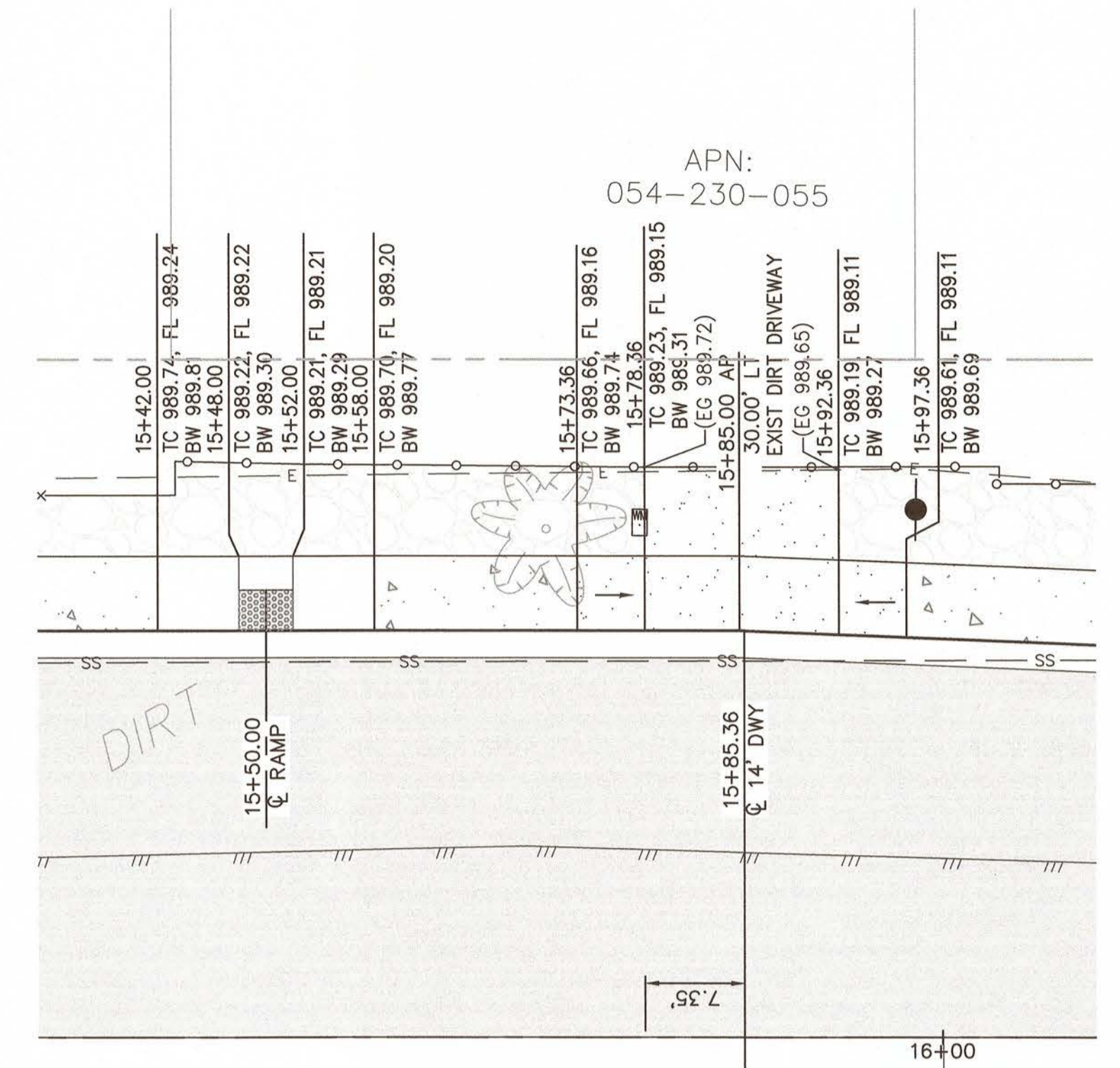
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054-230-019

APN:  
054-230-056



DRIVEWAY 16 & 17

APN:  
054-230-055



PEDESTRIAN RAMP 3  
DRIVEWAY 18

- (12) CONNECT EXISTING CONCRETE DRIVEWAYS TO THE PROPOSED DRIVEWAY SLAB BY DRILL AND EPOXY ONE ROW OF 16" LONG #4 DOWELS AT 16" O.C. SPACING HORIZONTALLY. INSTALL DOWELS INTO THE EXISTING DRIVEWAY SLAB PRIOR TO FORMING SLAB AND CASTING THE PROPOSED DRIVEWAY SLAB. (SEE "CONCRETE DRIVEWAY" DETAIL ON "CIVIL DETAILS No.2" SHEET)
- (13) SEE 5' ENCROACHMENT DRIVEWAY CONNECTION DETAIL, SHEET 8

APN:  
054-230-017

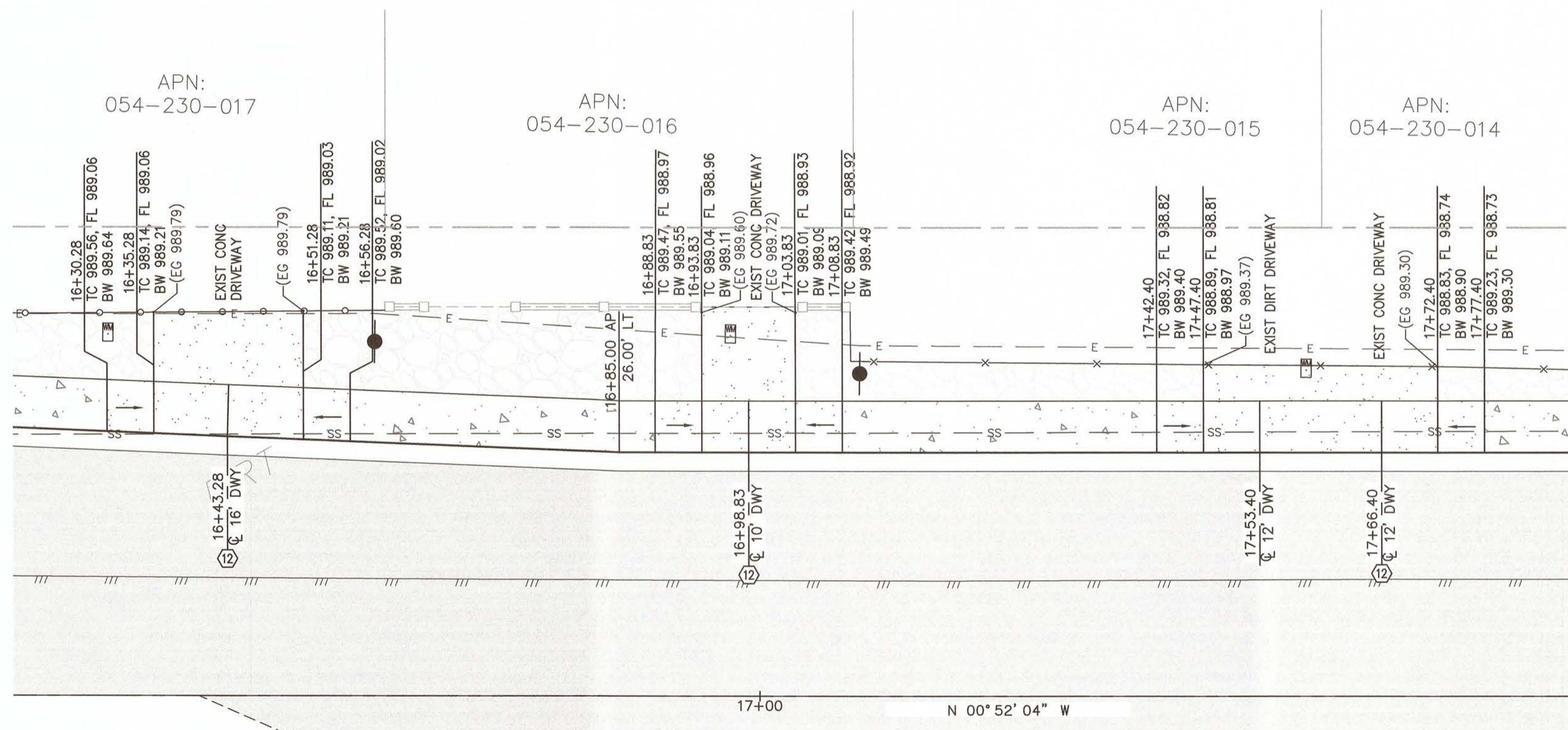
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054-230-014

APN:  
054-230-013

APN:  
054-230-053



DRIVEWAY 19

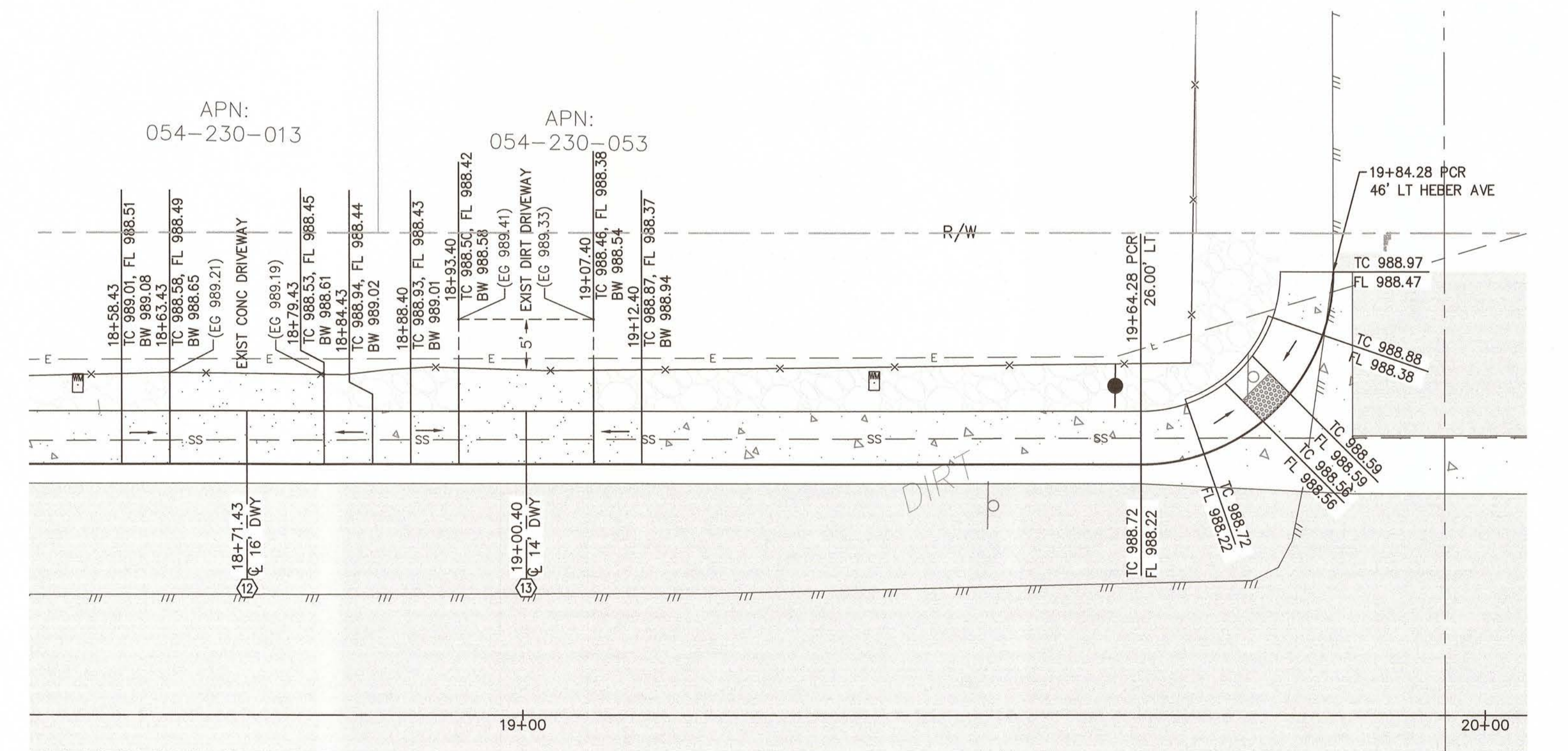
DRIVEWAY 20  
REMOVED

DRIVEWAY 21

DRIVEWAY 22 & 23

APN:  
054-230-013

APN:  
054-230-053



DRIVEWAY 24 & 25

PEDESTRIAN RAMP 4

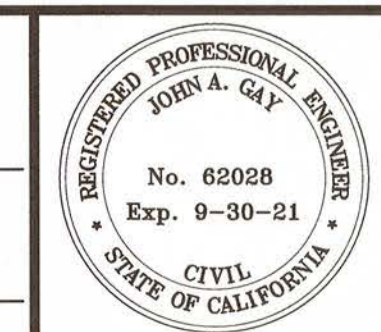


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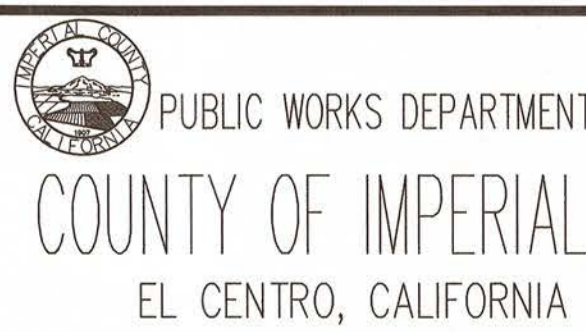
REVISION	DATE	COMMENTS



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 DARAB BOUZARJOMEHRI, P.E.  
 NV5  
 3/17/2021  
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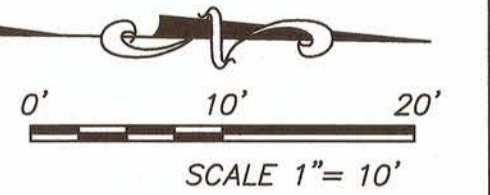
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
 APPROVED FOR CONSTRUCTION BY:  
  
 JOHN A. GAY, P.E.  
 ROAD COMMISSIONER  
 9/9/21  
 DATE



DATE 9/2/2021  
 DRAWN SD  
 SCALE AS SHOWN  
 CHECKED DB

HEBER AVENUE ROAD WIDENING  
 AND SIDEWALK IMPROVEMENTS  
 COUNTY PROJECT No. 6515

DRIVEWAY AND PEDESTRIAN RAMP DETAILS No. 2	
REFERENCE R-985	SHEET 14 OF 26



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**EROSION CONTROL NOTES:**

PRIOR TO ANY SOIL DISTURBANCE, TEMPORARY EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED BY THE CONTRACTOR OR QUALIFIED PERSON(S) AS INDICATED BELOW:

1. ALL REQUIREMENTS OF THE CALTRANS, "CONSTRUCTION SITE MONITORING PROGRAM GUIDANCE MANUAL" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND/OR WATER POLLUTION CONTROL PLAN (WPCP) FOR CONSTRUCTION LEVEL BMP'S AND, IF APPLICABLE, THE STORM WATER QUALITY MANAGEMENT PLAN (SWQMP) FOR POST CONSTRUCTION TREATMENT CONTROL BMP'S.
2. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL STORM DRAIN INLETS. INLET PROTECTION IN THE PUBLIC RIGHT OF WAY MAY BE TEMPORARILY REMOVED WHERE IT IS PRONE TO FLOODING PRIOR TO A RAIN EVENT AND REINSTALLED AFTER RAIN IS OVER.
3. ALL CONSTRUCTION BMPS SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.
4. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING, AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION AND SEDIMENT CONTROL MEASURES.
5. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SUB-CONTRACTORS AND SUPPLIERS ARE AWARE OF ALL STORM WATER QUALITY MEASURES AND IMPLEMENT SUCH MEASURES. FAILURE TO COMPLY WITH THE APPROVED SWPPP/WPCP WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS, CIVIL PENALTIES AND/OR STOP WORK NOTICES.
6. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF ALL SILT, DEBRIS AND MUD ON AFFECTED AND ADJACENT STREET(S) AND WITHIN STORM DRAIN SYSTEM DUE TO CONSTRUCTION VEHICLES/EQUIPMENT AND CONSTRUCTION ACTIVITY AT THE END OF EACH WORK DAY.
7. THE CONTRACTOR SHALL PROTECT NEW AND EXISTING STORM WATER CONVEYANCE SYSTEMS FROM SEDIMENTATION, CONCRETE RINSE, OR OTHER CONSTRUCTION RELATED DEBRIS AND DISCHARGES WITH THE APPROPRIATE BMPS THAT ARE ACCEPTABLE TO THE ENGINEER AND AS INDICATED IN THE SWPPP/WPCP.
8. THE CONTRACTOR OR QUALIFIED PERSON SHALL CLEAR DEBRIS, SILT AND MUD FROM ALL DITCHES AND SWALES PRIOR TO AND AFTER EACH RAIN EVENT.
9. IF A NON-STORM WATER DISCHARGE LEAVES THE SITE, THE CONTRACTOR SHALL IMMEDIATELY STOP THE ACTIVITY AND REPAIR THE DAMAGES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF THE DISCHARGE, AS SOON AS PRACTICAL, ANY AND ALL WASTE MATERIAL, SEDIMENT AND DEBRIS FROM EACH NON STORM WATER DISCHARGE SHALL BE REMOVED FROM THE STORM DRAIN CONVEYANCE SYSTEM AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
10. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID DEPLOYMENT OF CONSTRUCTION BMPS WHEN RAIN IS IMMINENT.
11. THE CONTRACTOR SHALL RESTORE AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL BMPS TO WORKING ORDER YEAR ROUND.
12. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES DUE TO GRADING INACTIVITY OR UNFORESEEN CIRCUMSTANCES TO PREVENT NON-STORM WATER AND SEDIMENT-LADEN DISCHARGES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
14. ALL EROSION AND SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED SWPPP/WPCP SHALL BE INSTALLED AND MAINTAINED. ALL EROSION AND SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE PROPERLY DOCUMENTED AND INSTALLED TO THE SATISFACTION OF THE RESIDENT ENGINEER.
15. UPON NOTIFICATION BY THE RESIDENT ENGINEER, THE CONTRACTOR SHALL ARRANGE FOR MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION AND SEDIMENT CONTROL MEASURES AND OTHER BMPS RELATIVE TO ANTICIPATED CONSTRUCTION ACTIVITIES.
16. THE CONTRACTOR AND/OR QUALIFIED PERSON SHALL CONDUCT VISUAL INSPECTIONS DAILY AND MAINTAIN ALL BMPS AS NEEDED. VISUAL INSPECTIONS AND MAINTENANCE OF ALL BMPS SHALL BE CONDUCTED BEFORE, DURING AND AFTER EVERY RAIN EVENT AND EVERY 24 HOURS DURING ANY PROLONGED RAIN EVENT. THE CONTRACTOR SHALL MAINTAIN AND REPAIR ALL BMPS AS SOON AS POSSIBLE AS SAFETY ALLOWS.
17. DISTURBED SOILS SUCH AS THOSE FROM TRENCH EXCAVATION ARE REQUIRED TO BE HAULED AWAY, BACKFILLED INTO THE TRENCH, AND/OR COVERED (E.G., METAL PLATES, PAVEMENT, PLASTIC COVERS OVER SPOIL PILES) AT END OF THE CONSTRUCTION DAY.
18. THE INFORMATION ON THIS PLAN IS INTENDED TO BE USED AS A GUIDELINE FOR THE CONTRACTOR AND SUBCONTRACTOR TO INSTALL WATER POLLUTION CONTROL DEVICES. QUALIFIED PERSONNEL MAY ADJUST/MODIFY BMPS PER FIELD CONDITIONS.

**STANDARD DRAWINGS & GUIDANCE DOCUMENTS**

1. CALTRANS CONSTRUCTION SITE MONITORING PROGRAM GUIDANCE MANUAL (AUGUST 2013 EDITION)
2. CALTRANS CONSTRUCTION SITE BMP MANUAL (MAY 2017 EDITION)
3. CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK.

**CONSTRUCTION NOTES**

- ① INSTALL SILT FENCE. SEE BMP SC-1 FOR INSTALLATION INSTRUCTIONS.
- ② INSTALL FIBER ROLLS. SEE BMP SC-5 FOR INSTALLATION INSTRUCTIONS.
- ③ INSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT. SEE BMP TC-1 FOR INSTALLATION INSTRUCTIONS.
- ④ WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL AREA. SEE BMPS WM-1 THRU WM-10 FOR INSTALLATION INSTRUCTIONS AND PROCEDURES.
- ⑤ INSTALL GRAVEL BAG CHECK DAMS TO SLOW SHEET FLOW AND ALLOW SEDIMENT TO SETTLE. SEE BMP SC-6 FOR INSTALLATION INSTRUCTIONS.
- ⑥ MAINTAINING CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.

**NOTES:**

1. BMP FACT SHEETS CAN BE FOUND IN APPENDIX I OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT OR IN THE CASQA STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK -- CONSTRUCTION (NOVEMBER 2009).
2. QSP TO RECOMMEND ADDITIONAL BMPS AND UPDATE PLAN DURING CONSTRUCTION ACCORDING TO SITE CONDITIONS.
3. QSD SHALL BE NOTIFIED IF THERE IS ADDITION OF STAGING AREA(S) NOT WITHIN THE LIMITS OF CONSTRUCTION. AMENDMENT SHALL BE NOTED.

**LEGEND**

THE FOLLOWING COMPONENTS WILL CHANGE AS CONSTRUCTION PROGRESSES. THE SWPPP MAP MUST BE UPDATED IN THE FIELD TO REFLECT ACTUAL SITE CONDITIONS.

DESCRIPTION	CASQA STD. DWG.	SYMBOL
SURFACE FLOW DIRECTION		→
STORM WATER SAMPLING & MONITORING LOCATION		▲
STORM WATER RUN-ON LOCATION		★
LIMITS OF CONSTRUCTION		--- (Red dashed line)
SURFACE IMPROVEMENTS		□
SILT FENCE	① SE-1	— □ — □ —
FIBER ROLLS	② SE-5	— FR — FR —
STABILIZED CONSTRUCTION ENTRANCE	③ TC-1	⊙ ⊙ ⊙ ⊙ ⊙ ⊙ ⊙ ⊙ ⊙ ⊙
WASTE MANAGEMENT & MATERIAL DELIVERY/STORAGE	④ WM-1	⊞ ⊞ ⊞ ⊞ ⊞ ⊞ ⊞ ⊞ ⊞ ⊞
GRAVEL BAG BERM	⑤ SE-6	⊞ ⊞ ⊞ ⊞ ⊞ ⊞ ⊞ ⊞ ⊞ ⊞
CONCRETE WASHOUT FACILITY	⑥	□



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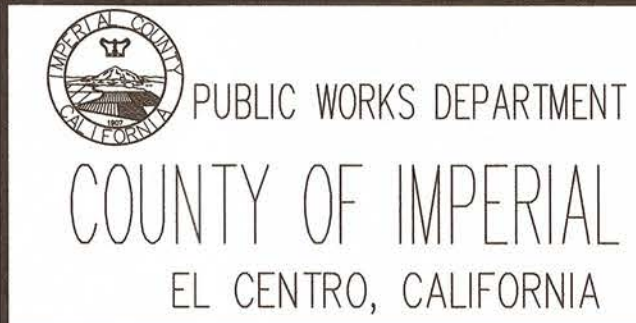
REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
  
 DARAB BOUZARJOMEHRI, P.E.  
 NVS  
 3/17/2021 DATE  
 54870 R.C.E. No.  
 6/30/22 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
 APPROVED FOR CONSTRUCTION BY:  
  
 JOHN A. GAY, P.E.  
 ROAD COMMISSIONER  
 9/30/21 DATE  
 62028 R.C.E. No.  
 9/30/21 REG. EXP.



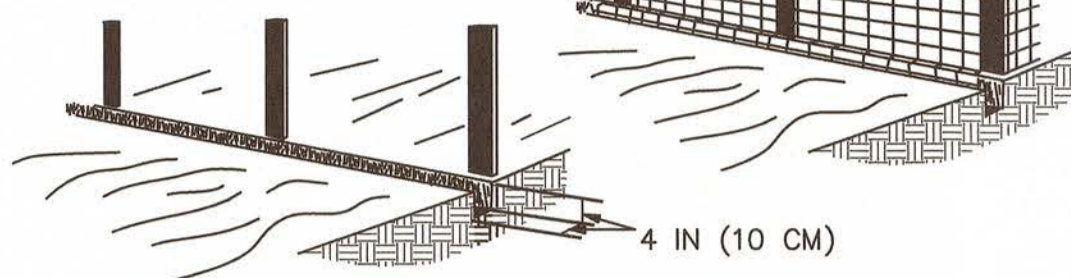
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 DRAWN SD  
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HEBER AVENUE ROAD WIDENING  
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 COUNTY PROJECT No. 6515

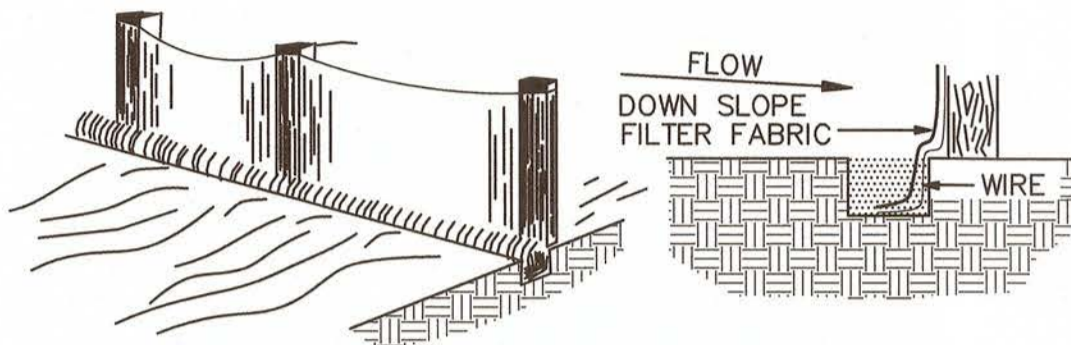
EROSION CONTROL NO. 1	
REFERENCE R-985	SHEET 15 OF 26

No. 190-00007877 (Cont'd) (Civil) 787 EC\_Aerial (Rev. 02-2021) 1 of 26

1. SET POSTS AND EXCAVATE A 4 BY 4 IN (10 BY 10 CM) TRENCH UPSLOPE FROM AND ALONG THE LINE OF POSTS.
2. STAPLE WIRE FENCING TO THE POSTS ON UPSLOPE SIDE.



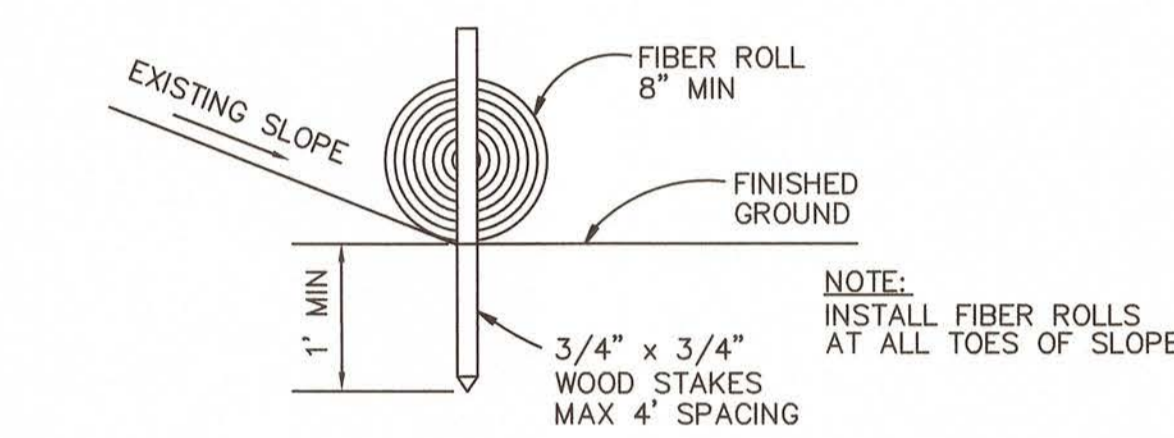
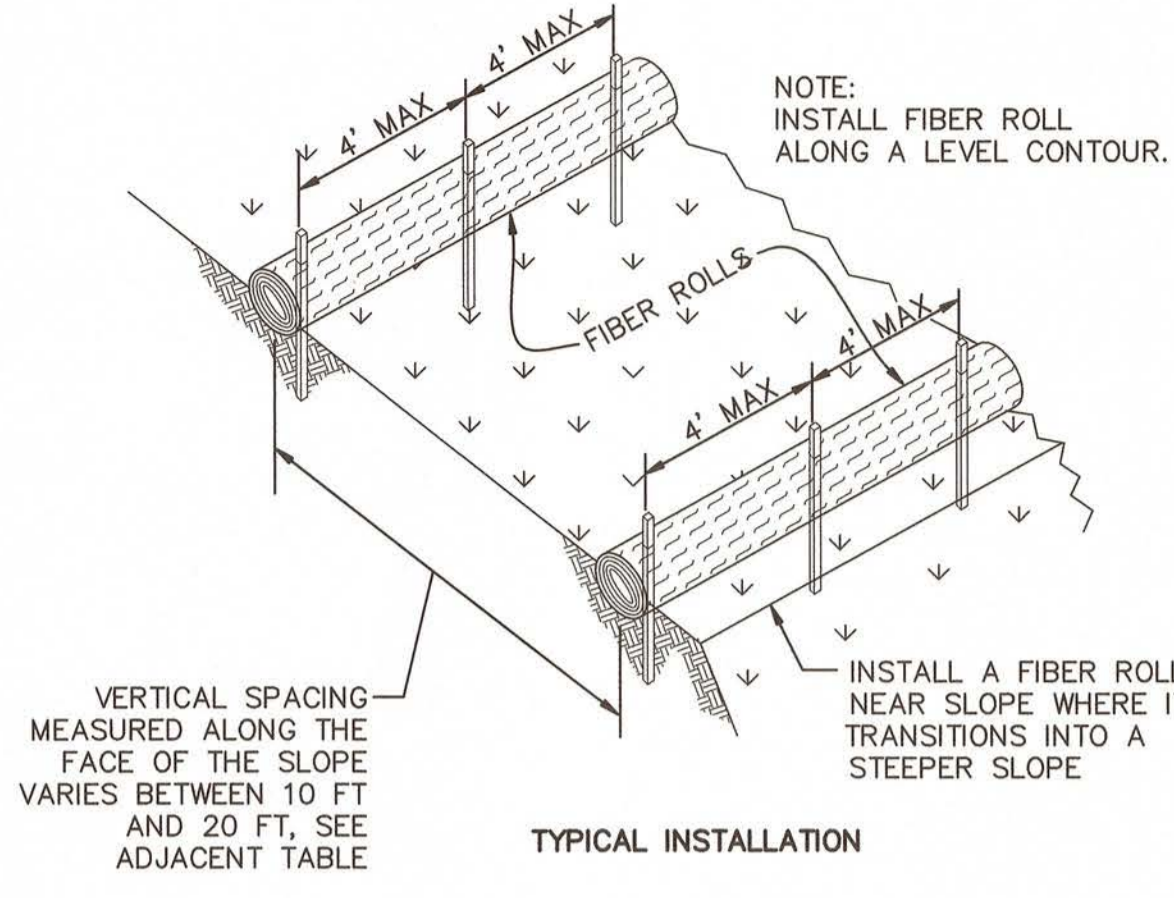
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



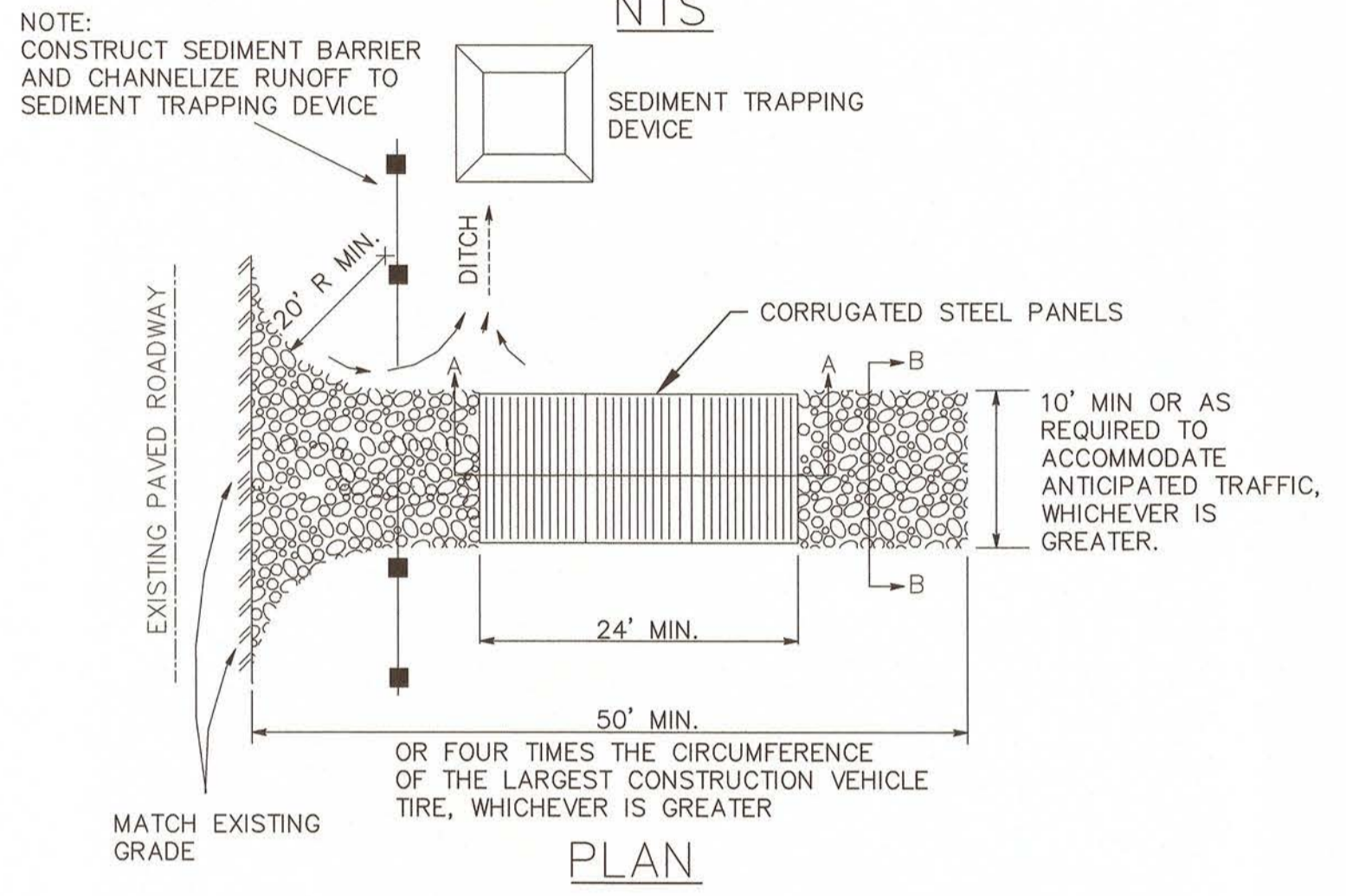
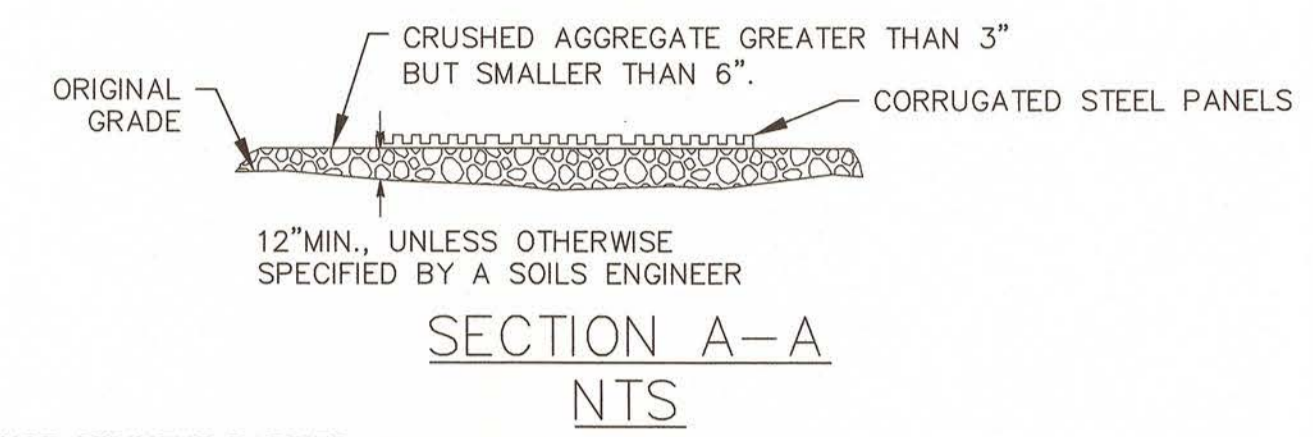
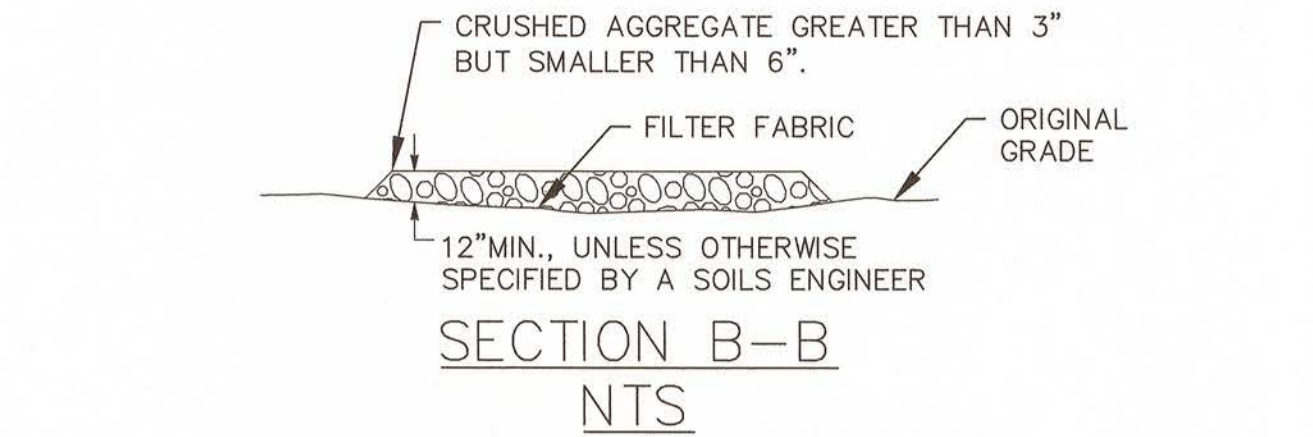
NOTES

1. SILT FENCE TO BE LOCATED WITHIN 5 FEET OF TOP OR TOE OF SLOPE WHERE APPLICABLE.
2. SILT FENCE WILL TERMINATE 1 FOOT ON EITHER SIDE OF RIP RAP ENERGY DISSIPATORS.

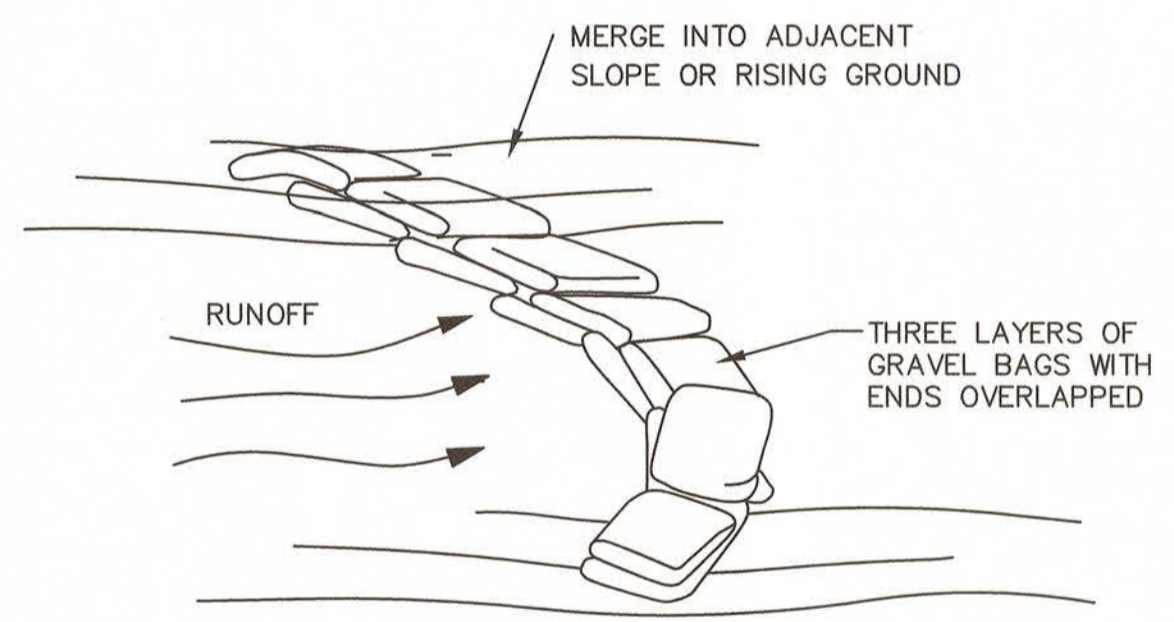
1 SILT FENCE DETAIL  
NO SCALE SC-1



2 FIBER ROLL  
NO SCALE SC-5



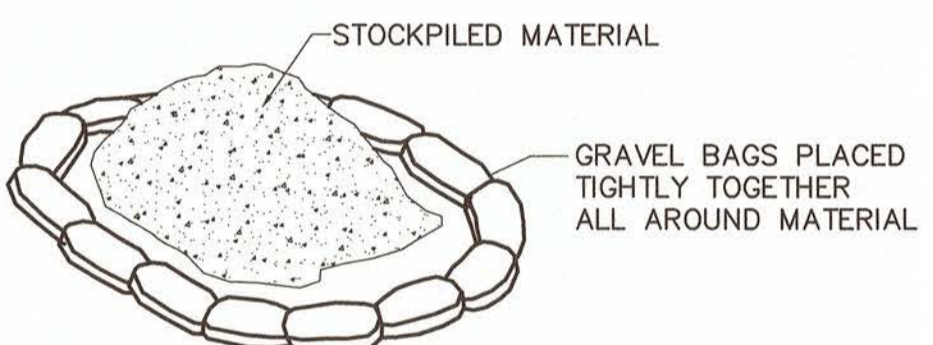
3 STABILIZED CONSTRUCTION ENTRANCE  
NO SCALE TC-1



GRADE INTERVAL	
LESS THAN 2%	AS REQUIRED/200' MAX.
2% TO 4%	100 FEET
4% TO 10%	50 FEET
OVER 10%	25 FEET

NOTE:  
PLACE GRAVEL BAGS PER INTERVAL SHOWN ABOVE AND AS INDICATED ON PLAN.

5 GRAVEL BAG BERM  
NO SCALE SC-6



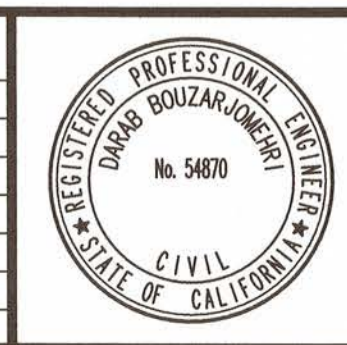
1. DIRT AND OTHER CONSTRUCTION RELATED MATERIALS WILL BE PLACED ON-SITE AND MUST BE CONTAINED WITH GRAVEL BAGS OR OTHER MEASURES TO PREVENT TRANSPORT TO THE STORM DRAIN SYSTEM.
2. ANY CONSTRUCTION MATERIAL STORED OR STOCKPILED ON-SITE SHALL BE PROTECTED FROM BEING TRANSPORTED BY THE FORCE OF WIND OR WATER.
3. STOCKPILES MUST BE COVERED AND SECURED FROM WIND AND RAIN AT THE END OF EACH DAY AND PRIOR TO A FORECASTED RAIN EVENT.

4 STOCKPILE MANAGEMENT  
NO SCALE WM-3

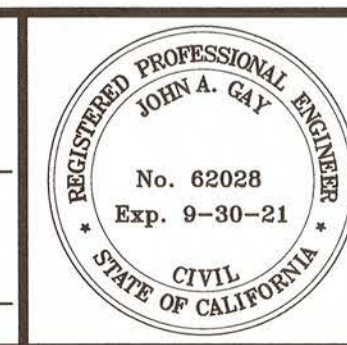
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*Darab Bouzarjomehri*  
DARAB BOUZARJOMEHRI, P.E.  
NV5  
3/17/2021  
DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
APPROVED FOR CONSTRUCTION BY:  
*John A. Gay*  
JOHN A. GAY, P.E.  
ROAD COMMISSIONER  
9/30/21  
DATE

PUBLIC WORKS DEPARTMENT  
COUNTY OF IMPERIAL  
EL CENTRO, CALIFORNIA

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HEBER AVENUE ROAD WIDENING  
AND SIDEWALK IMPROVEMENTS  
COUNTY PROJECT No. 6515

EROSION CONTROL NO. 2  
REFERENCE R-985  
SHEET 16 OF 26

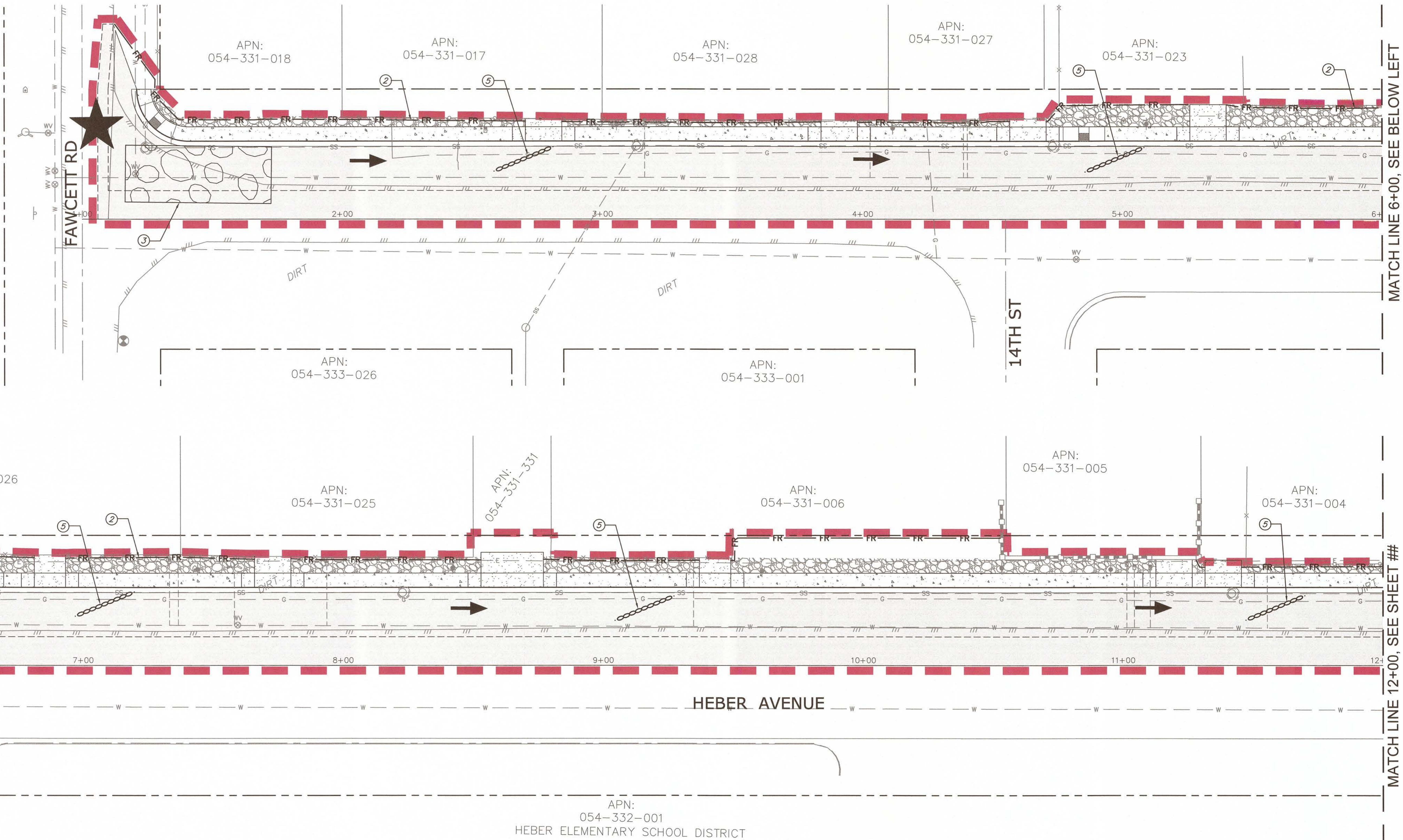
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**GENERAL NOTES:**

1. AS CONSTRUCTION PROGRESSES, IT IS THE RESPONSIBILITY OF THE QSP TO UPDATE THIS WATER POLLUTION CONTROL PLAN TO REFLECT CURRENT SITE CONDITIONS AND BMP'S.
2. ACCORDING TO PERMIT PART 2.2, DISCHARGERS SHALL PROVIDE EFFECTIVE SOILS COVER FOR INACTIVE AREAS AND FILL FINISHED SLOPES, OPEN SPACE, UTILITY BACKFILL, AND COMPLETED LOTS. INACTIVE AREAS OF CONSTRUCTION ARE DEFINED AS AREAS THAT HAVE BEEN DISTURBED AND ARE NOT SCHEDULED TO BE RE-DISTURBED FOR AT LEAST FOURTEEN(14) DAYS.
3. THE CONTRACTOR SHALL MARK ON MAP WHEN & WHERE SOIL COVERAGE (HYDRO MULCH, SOIL BINDER, OR EQUIVALENT) IS APPLIED AS NEEDED DURING THE CONSTRUCTION OPERATION.
4. CONTRACTOR TO INSTALL FENCES PRIOR TO CONSTRUCTION.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE INSTALLED PRIOR TO ANY WORK TAKING PLACE.
6. CONTRACTOR TO SIZE STAGING AREAS BASED ON USE, STOCKPILE, AND STORAGE REQUIREMENTS PER PROJECT PHASE.

**PROJECT RISK LEVEL PER GENERAL PERMIT STORMWATER PERMIT:**

- RISK LEVEL 1
- RISK LEVEL 2
- RISK LEVEL 3



MATCH LINE 6+00, SEE ABOVE RIGHT

MATCH LINE 12+00, SEE SHEET #

MATCH LINE 6+00, SEE BELOW LEFT

**LEGEND**

THE FOLLOWING COMPONENTS WILL CHANGE AS CONSTRUCTION PROGRESSES. THE SWPPP MAP MUST BE UPDATED IN THE FIELD TO REFLECT ACTUAL SITE CONDITIONS.

DESCRIPTION	CASQA STD. DWG.	SYMBOL
SURFACE FLOW DIRECTION		→
STORM WATER SAMPLING & MONITORING LOCATION		▲
STORM WATER RUN-ON LOCATION		★
LIMITS OF CONSTRUCTION		—
SURFACE IMPROVEMENTS		□
SILT FENCE	① SE-1	—
FIBER ROLLS	② SE-5	— FR — FR —

DESCRIPTION	CASQA STD. DWG.	SYMBOL
STABILIZED CONSTRUCTION ENTRANCE	③ TC-1	▨
WASTE MANAGEMENT & MATERIAL DELIVERY/STORAGE	④ WM-1	▨
GRAVEL BAG BERM	⑤ SE-6	—
CONCRETE WASHOUT FACILITY		□

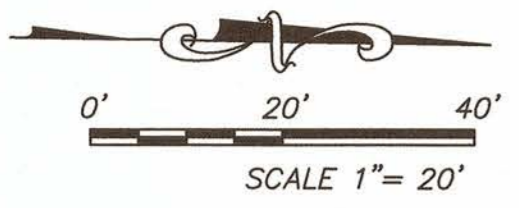
**CONSTRUCTION NOTES:**

1. INSTALL SILT FENCE. SEE BMP SE-1 FOR INSTALLATION INSTRUCTIONS.
2. INSTALL FIBER ROLLS. SEE BMP SE-5 FOR INSTALLATION INSTRUCTIONS.
3. INSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT. SEE BMP TC-1 FOR INSTALLATION INSTRUCTIONS.
4. WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL AREA. SEE BMPS WM-1 THRU WM-10 FOR INSTALLATION INSTRUCTIONS AND PROCEDURES.
5. INSTALL GRAVEL BAG CHECK DAMS TO SLOW SHEET FLOW AND ALLOW SEDIMENT TO SETTLE.
6. COMBINED VEHICLE CLEANING, FUELING AND MAINTENANCE STORAGE AREA. SEE BMPS NS-8, NS-9 AND NS-10 FOR INSTALLATION INSTRUCTIONS.

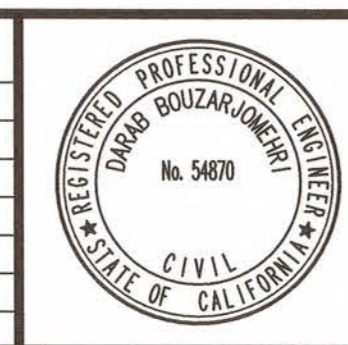
**NOTES:**

1. BMP FACT SHEETS CAN BE FOUND IN APPENDIX I OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT ON IN THE CASQA STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK - CONSTRUCTION (NOVEMBER 2009).
2. QSP TO RECOMMEND ADDITIONAL BMPS AND UPDATE PLAN DURING CONSTRUCTION ACCORDING TO SITE CONDITIONS.
3. QSD SHALL BE NOTIFIED IF THERE IS ADDITION OF STAGING AREA(S) NOT WITHIN THE LIMITS OF CONSTRUCTION. AMENDMENT SHALL BE NOTED.

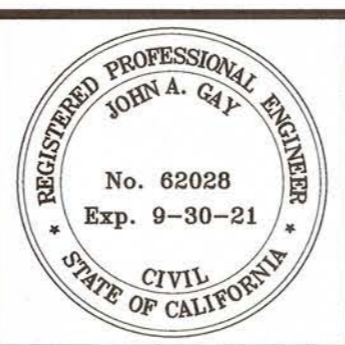
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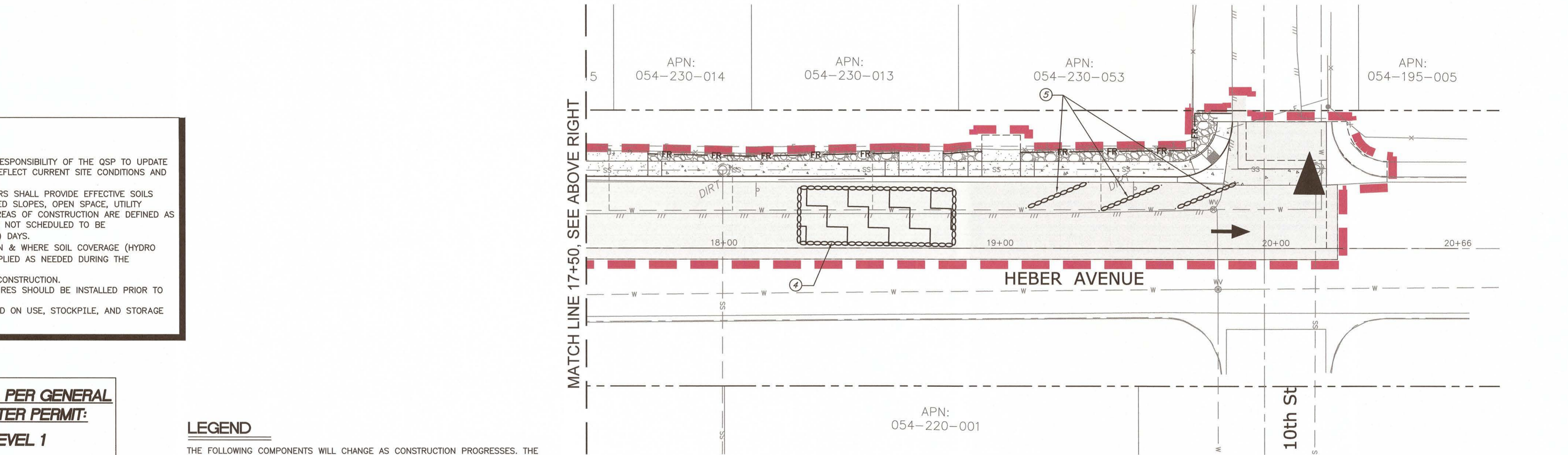
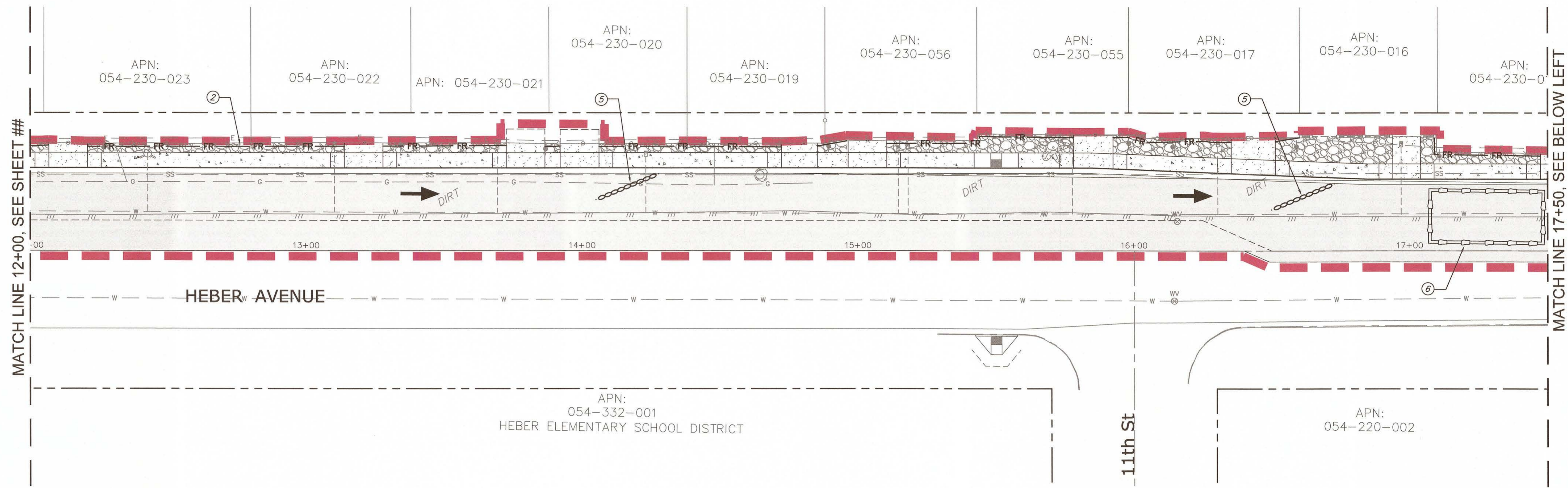
**COUNTY OF IMPERIAL**  
 PUBLIC WORKS DEPARTMENT  
 EL CENTRO, CALIFORNIA

DATE 9/2/2021  
 DRAWN SD  
 SCALE AS SHOWN  
 CHECKED DB

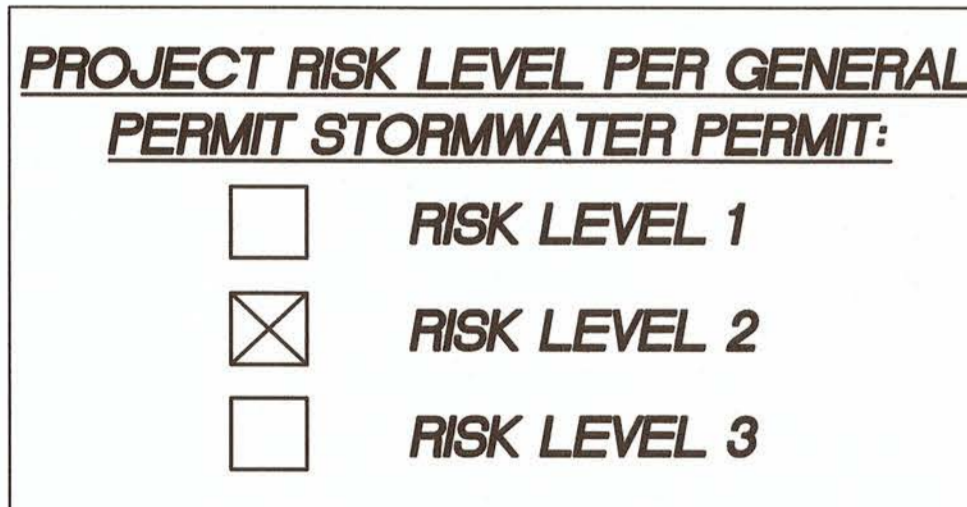
**HEBER AVENUE ROAD WIDENING AND SIDEWALK IMPROVEMENTS**  
 COUNTY PROJECT No. 6515

**EROSION CONTROL NO. 3**  
 REFERENCE R-985  
 SHEET 17 OF 26

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- GENERAL NOTES:**
- AS CONSTRUCTION PROGRESSES, IT IS THE RESPONSIBILITY OF THE QSP TO UPDATE THIS WATER POLLUTION CONTROL PLAN TO REFLECT CURRENT SITE CONDITIONS AND BMP'S.
  - ACCORDING TO PERMIT PART 2.2, DISCHARGERS SHALL PROVIDE EFFECTIVE SOILS COVER FOR INACTIVE AREAS AND FILL FINISHED SLOPES, OPEN SPACE, UTILITY BACKFILL, AND COMPLETED LOTS. INACTIVE AREAS OF CONSTRUCTION ARE DEFINED AS AREAS THAT HAVE BEEN DISTURBED AND ARE NOT SCHEDULED TO BE RE-DISTURBED FOR AT LEAST FOURTEEN(14) DAYS.
  - THE CONTRACTOR SHALL MARK ON MAP WHEN & WHERE SOIL COVERAGE (HYDRO MULCH, SOIL BINDER, OR EQUIVALENT) IS APPLIED AS NEEDED DURING THE CONSTRUCTION OPERATION.
  - CONTRACTOR TO INSTALL FENCES PRIOR TO CONSTRUCTION.
  - ALL EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE INSTALLED PRIOR TO ANY WORK TAKING PLACE.
  - CONTRACTOR TO SIZE STAGING AREAS BASED ON USE, STOCKPILE, AND STORAGE REQUIREMENTS PER PROJECT PHASE.



**LEGEND**

THE FOLLOWING COMPONENTS WILL CHANGE AS CONSTRUCTION PROGRESSES. THE SWPPP MAP MUST BE UPDATED IN THE FIELD TO REFLECT ACTUAL SITE CONDITIONS.

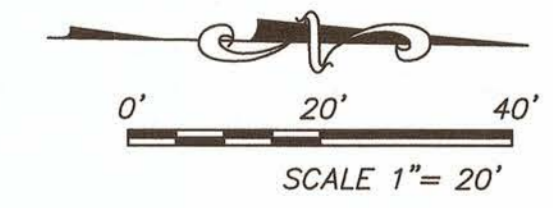
DESCRIPTION	CASQA STD. DWG.	SYMBOL
SURFACE FLOW DIRECTION		
STORM WATER SAMPLING & MONITORING LOCATION		
STORM WATER RUN-ON LOCATION		
LIMITS OF CONSTRUCTION		
SURFACE IMPROVEMENTS		
SILT FENCE	① SE-1	
FIBER ROLLS	② SE-5	

DESCRIPTION	CASQA STD. DWG.	SYMBOL
STABILIZED CONSTRUCTION ENTRANCE	③ TC-1	
WASTE MANAGEMENT & MATERIAL DELIVERY/STORAGE	④ WM-1	
GRAVEL BAG BERM	⑤ SE-6	
CONCRETE WASHOUT FACILITY		

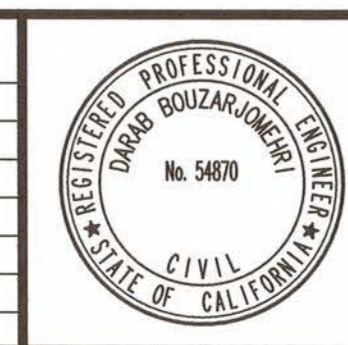
- CONSTRUCTION NOTES:**
- INSTALL SILT FENCE. SEE BMP SE-1 FOR INSTALLATION INSTRUCTIONS.
  - INSTALL FIBER ROLLS. SEE BMP SE-5 FOR INSTALLATION INSTRUCTIONS.
  - INSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT. SEE BMP TC-1 FOR INSTALLATION INSTRUCTIONS.
  - WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL AREA. SEE BMPs WM-1 THRU WM-10 FOR INSTALLATION INSTRUCTIONS AND PROCEDURES.
  - INSTALL GRAVEL BAG CHECK DAMS TO SLOW SHEET FLOW AND ALLOW SEDIMENT TO SETTLE.
  - COMBINED VEHICLE CLEANING, FUELING AND MAINTENANCE STORAGE AREA. SEE BMPs NS-8, NS-9 AND NS-10 FOR INSTALLATION INSTRUCTIONS.

- NOTES:**
- BMP FACT SHEETS CAN BE FOUND IN APPENDIX I OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT ON IN THE CASQA STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK - CONSTRUCTION (NOVEMBER 2009).
  - QSP TO RECOMMEND ADDITIONAL BMPs AND UPDATE PLAN DURING CONSTRUCTION ACCORDING TO SITE CONDITIONS.
  - QSD SHALL BE NOTIFIED IF THERE IS ADDITION OF STAGING AREA(S) NOT WITHIN THE LIMITS OF CONSTRUCTION. AMENDMENT SHALL BE NOTED.

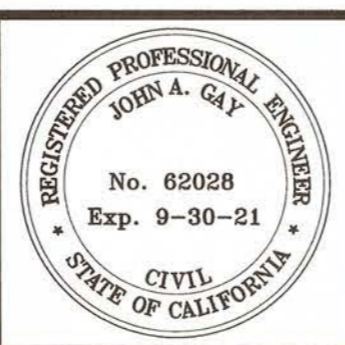
**NV5**  
 15092 AVENUE OF SCIENCE, SUITE 200  
 SAN DIEGO, CA 92128  
 P: 858.385.0500 WWW.NV5.COM



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
  
 DARAB BOUZARJOMEHRI, P.E.  
 NV5  
 3/17/2021 DATE  
 54870 R.C.E. No.  
 6/30/22 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
 APPROVED FOR CONSTRUCTION BY:  
  
 JOHN A. GAY, P.E.  
 ROAD COMMISSIONER  
 9/9/21 DATE  
 62028 R.C.E. No.  
 9/30/21 REG. EXP.

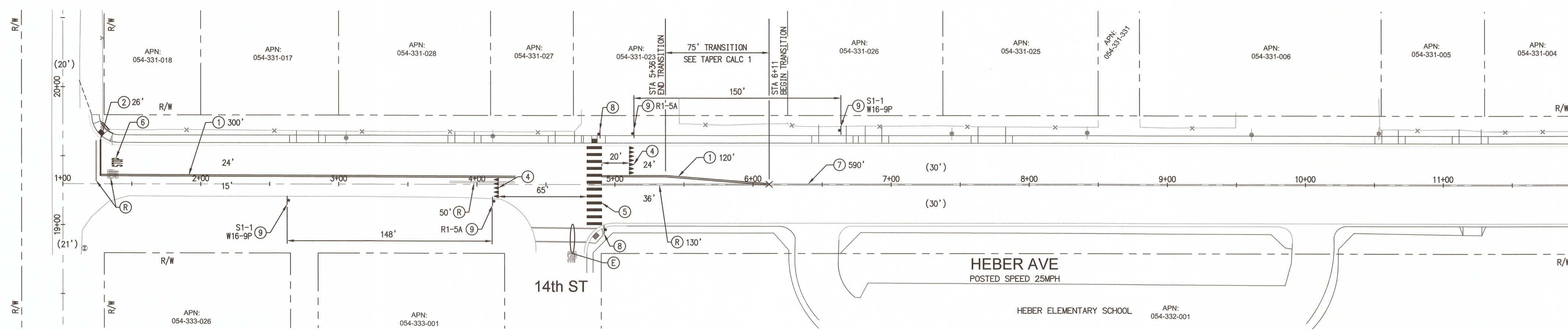
PUBLIC WORKS DEPARTMENT  
 COUNTY OF IMPERIAL  
 EL CENTRO, CALIFORNIA

DATE 9/2/2021  
 DRAWN SD  
 SCALE AS SHOWN  
 CHECKED DB

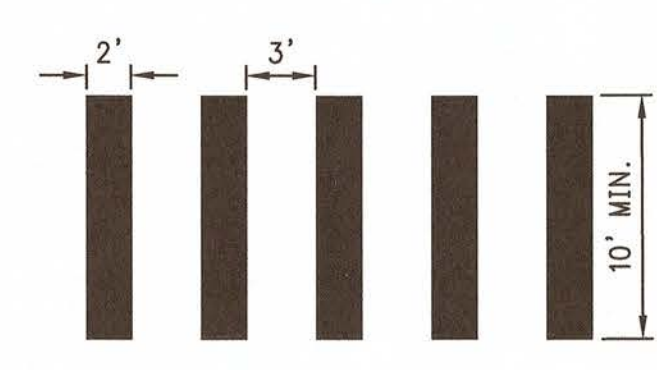
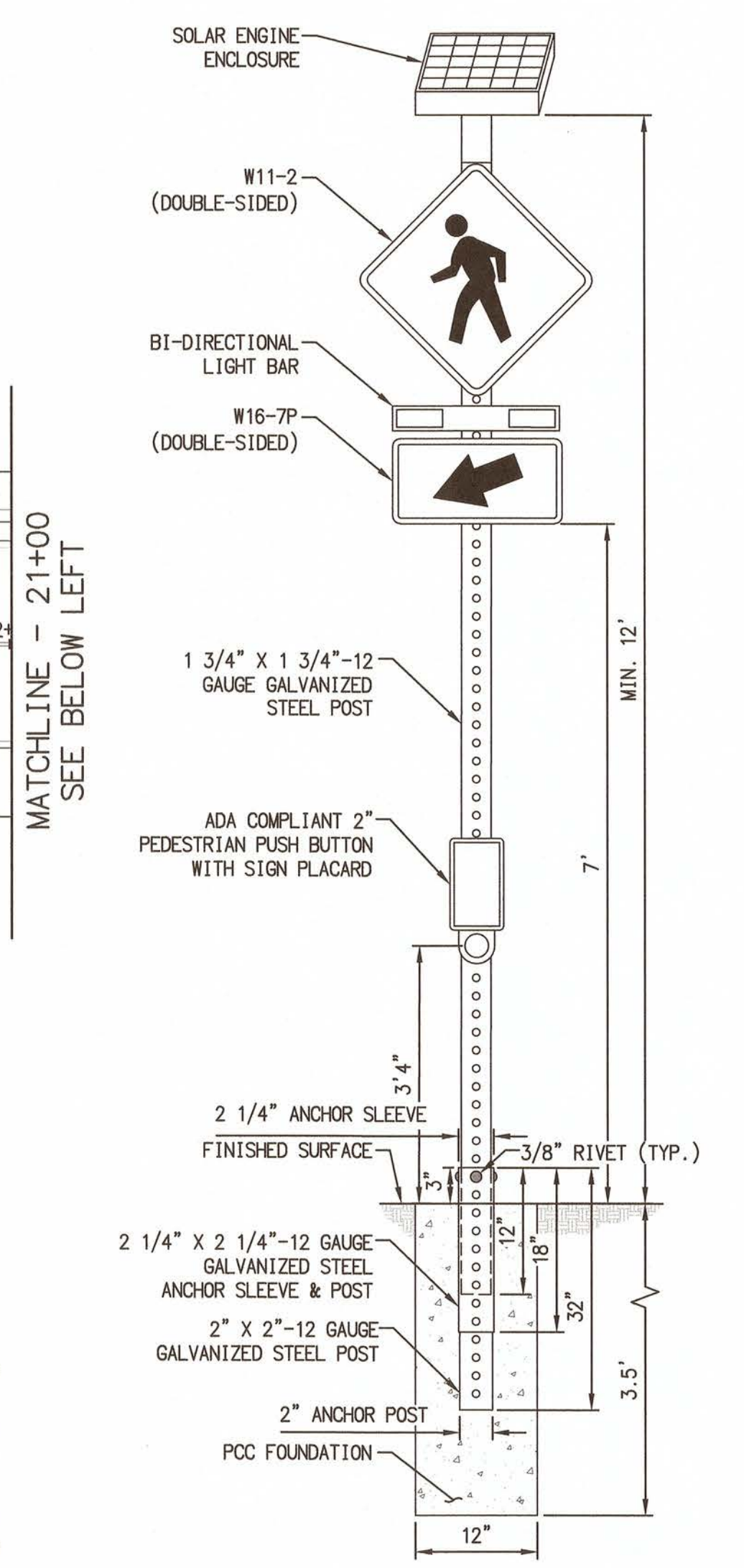
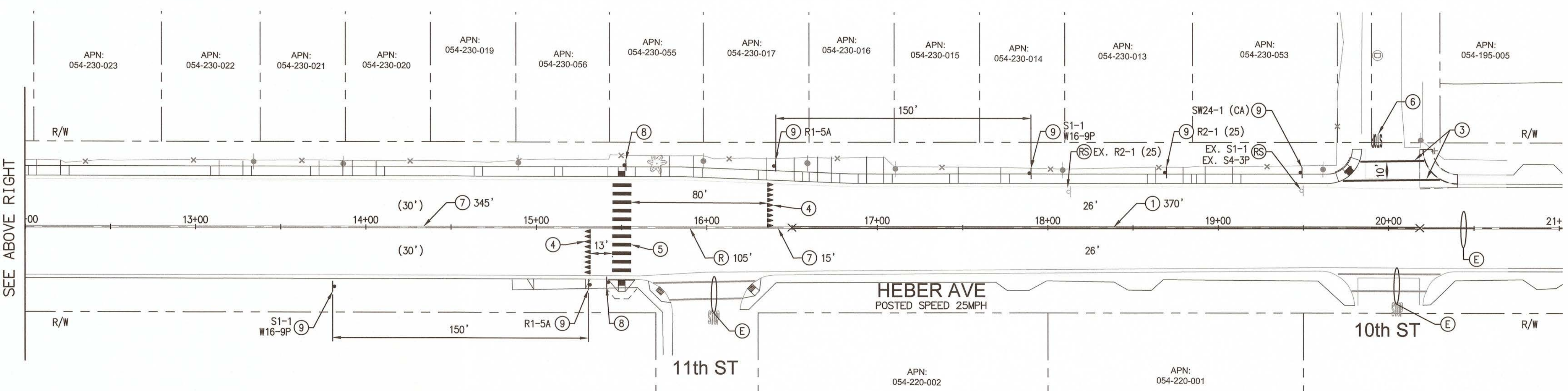
HEBER AVENUE ROAD WIDENING  
 AND SIDEWALK IMPROVEMENTS  
 COUNTY PROJECT No. 6515

EROSION CONTROL NO. 4  
 REFERENCE R-985  
 SHEET 18 OF 26

N:\120-0000787\_Cadd\Civil\787\_EC.dwg | Scan-09-2021 | 13.26

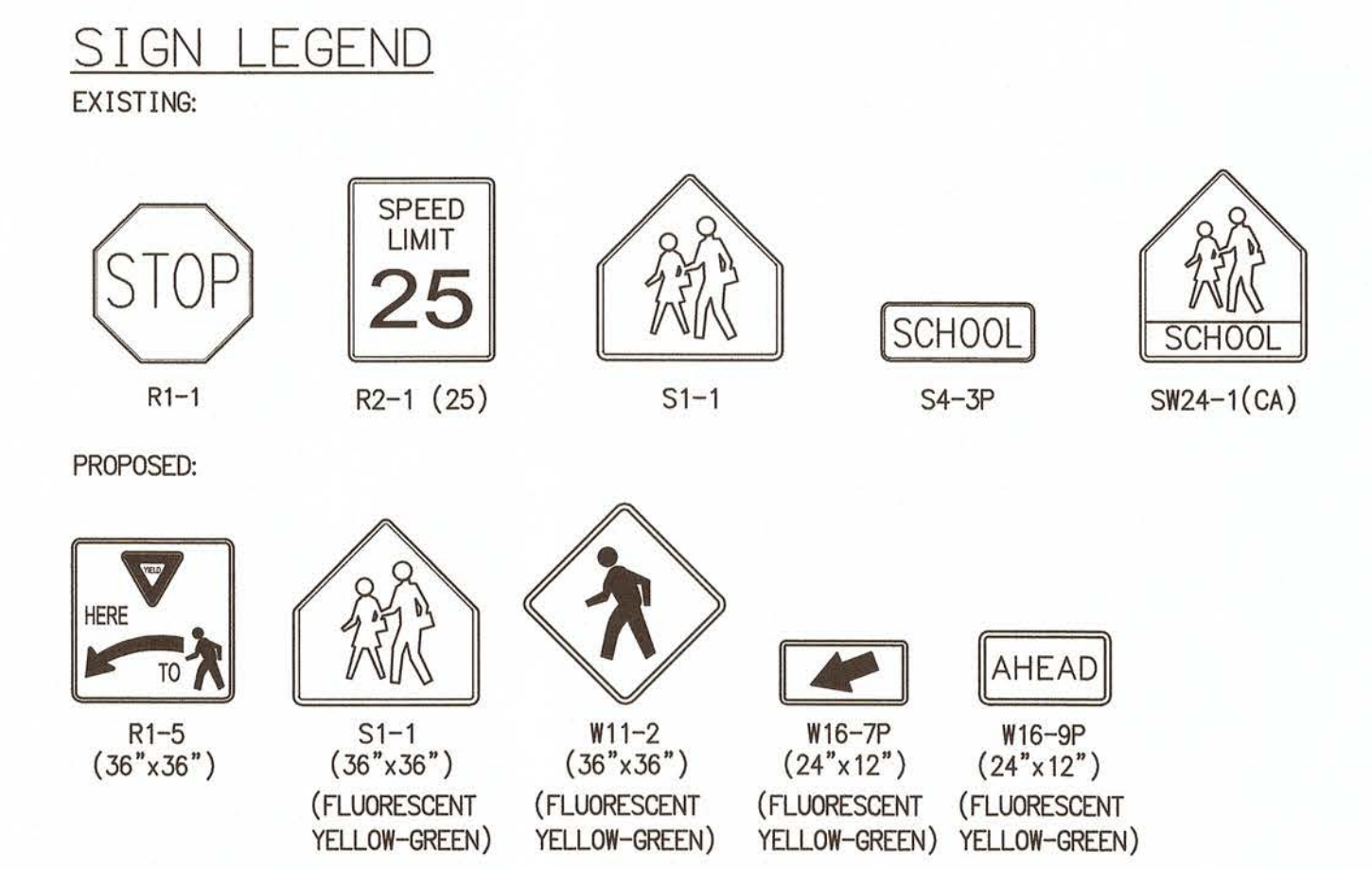


FAWCETT RD



DETAIL "A"  
CONTINENTAL CROSSWALK  
N.T.S.

DETAIL "B"  
FLASHING BEACON DETAIL  
N.T.S.



**CONSTRUCTION NOTES**

- 1 INSTALL DOUBLE YELLOW NO PASSING ZONE LINE PER CALTRANS STANDARD PLAN A20A, DETAIL 22.
- 2 INSTALL 12" WHITE LIMIT LINE PER CALTRANS STANDARD PLAN A24E.
- 3 INSTALL 12" THERMOPLASTIC SOLID YELLOW CROSSWALK LINE PER CALTRANS STANDARD PLAN A24F.
- 4 INSTALL WHITE TRIANGLE YIELD LINE PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24E.
- 5 INSTALL YELLOW CONTINENTAL CROSSWALK PAVEMENT MARKING PER DETAIL "A" THIS SHEET.
- 6 INSTALL THERMOPLASTIC "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- 7 REFRESH EXISTING CENTERLINE STRIPING PER CALTRANS STANDARD PLAN A20A, DETAIL 22.
- 8 FURNISH AND INSTALL CARMANAH R920 SOLAR RECTANGULAR RAPID FLASHING BEACON (RRFB) (OR APPROVED EQUAL) SYSTEM COMPLETE WITH PROPER BRACKETING, MOUNTING HARDWARE, SIGNS, PUSH BUTTONS, WIRING, ETC. W11-2 AND W16-7P SIGNS SHALL BE FLUORESCENT YELLOW-GREEN AND PLACED BACK TO BACK ON EACH POST. LIGHTBAR SHALL BE CONFIGURED BI-DIRECTIONALLY WITH TWO-PIECE MOUNTING BRACKET. SOLAR ENGINE ENCLOSURE SHALL BE MOUNTED ON TOP OF POLE AND SEALED WATER TIGHT. CONTRACTOR SHALL VERIFY WIRELESS COMMUNICATION BETWEEN EACH RRFB. MOUNT RRFB SYSTEM ON GALVANIZED STEEL BREAK-AWAY POST WITH FOUNDATION COMPLETE. FOUNDATION SHALL MAINTAIN 1' MINIMUM CLEARANCE WITH EXISTING UTILITIES. POST SHALL HAVE A MINIMUM HEIGHT OF 12'. SEE DETAIL "B" THIS SHEET FOR MORE DETAILS.
- 9 FURNISH AND INSTALL SIGN AND BREAK-AWAY POST PER DETAIL "B" ON THIS SHEET. BOTTOM OF SIGN SHALL BE 7' MINIMUM ABOVE FINISHED SURFACE. SIGN PER PLAN.
- (E) EXISTING SIGN OR STRIPING TO REMAIN.
- (R) REMOVE EXISTING CONFLICTING STRIPING, PAVEMENT MARKING OR ARROW AS NOTED BY GRINDING.
- (S) REMOVE EXISTING SIGN AND POST.

**LEGEND**

- MATCH EXISTING STRIPING \_\_\_\_\_ X
- EXISTING SIGN ON POST \_\_\_\_\_ d
- PROPOSED SIGN ON NEW POST \_\_\_\_\_ d

**TAPER LENGTH CALCULATIONS:**

1. TAPER = L = (6') X (25)<sup>2</sup> / 60 = 63' MINIMUM

L = LENGTH OF TRANSITION FOR SPEEDS OF 40 MPH OR LESS  

$$= \frac{W \times S^2}{60}$$

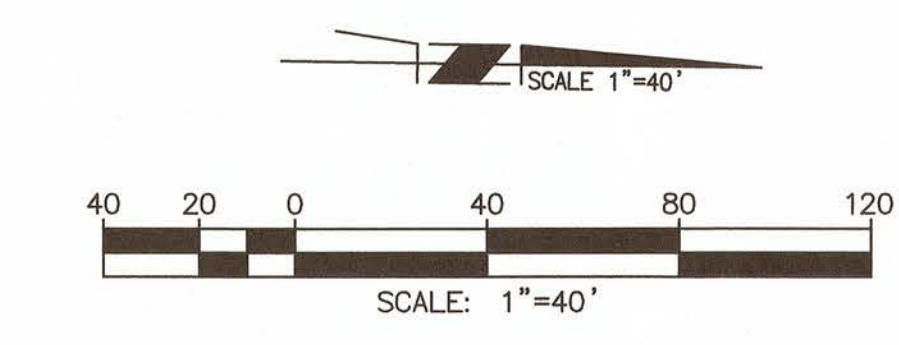
W = OFFSET  
 S = DESIGN SPEED

**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF THESE PROJECT DRAWINGS AND SPECIFICATIONS BY THE COUNTY OF IMPERIAL IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

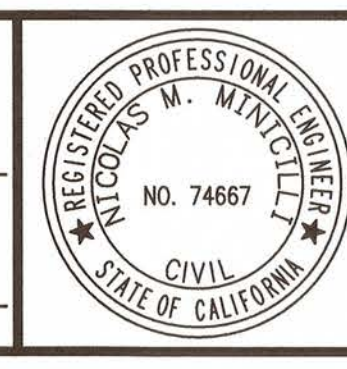
BY: *Nicolas M. Minicilli* DATE: 3-18-2021  
 NICOLAS M. MINICILLI  
 R.C.E. NO.: 74667 EXPIRATION DATE: 12-31-2021



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
*Nicolas M. Minicilli*  
 NICOLAS M. MINICILLI, P.E.  
 STC TRAFFIC, INC.  
 74667 R.C.E. No.  
 3/18/2021 DATE  
 12/31/2021 REG. EXP.



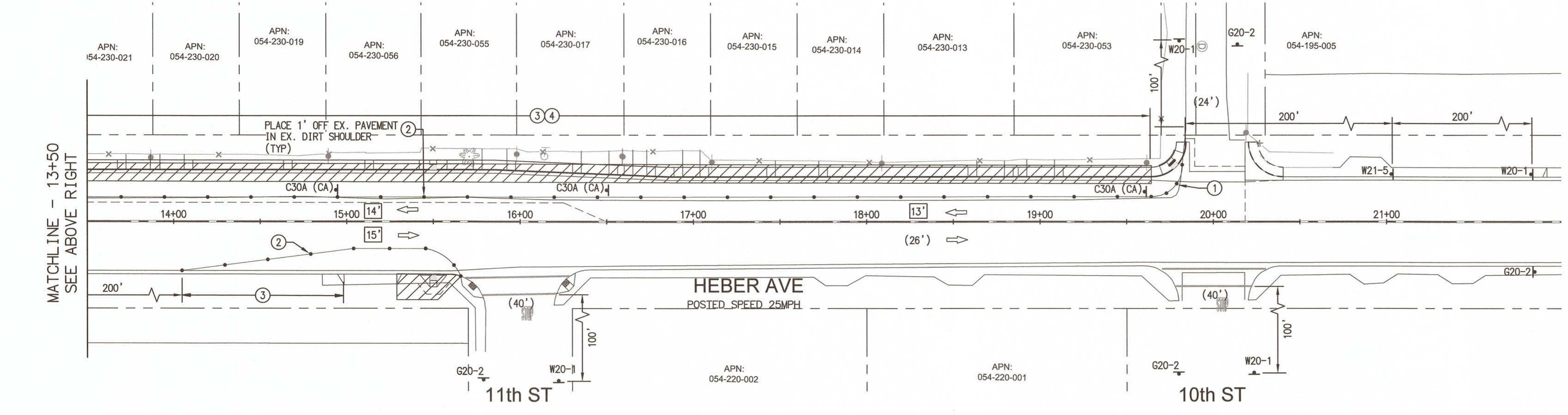
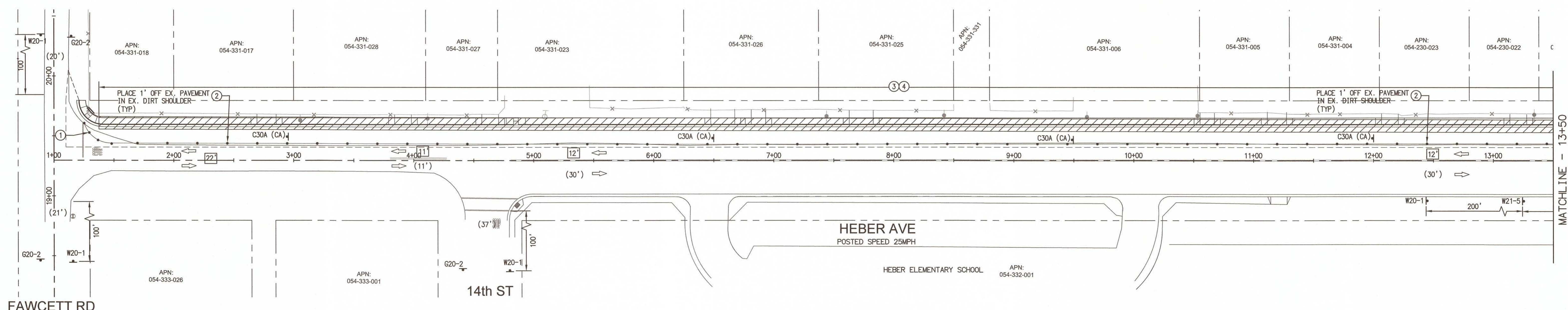
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
 APPROVED FOR CONSTRUCTION BY:  
*John A. Gay*  
 JOHN A. GAY, P.E.  
 ROAD COMMISSIONER  
 62028 R.C.E. No.  
 9/30/21 REG. EXP.



DATE: 3/18/2021  
 DRAWN: JWW  
 SCALE: AS SHOWN  
 CHECKED: NM

HEBER AVENUE ROAD WIDENING AND SIDEWALK IMPROVEMENTS  
 COUNTY PROJECT No. 6515

SIGNING AND STRIPING	
REFERENCE	R 985
SHEET	19 OF 26



**CONSTRUCTION NOTES**

- ① CONES SHALL BE PLACED IN 10' INTERVALS.
- ② CONES SHALL BE PLACED IN 25' INTERVALS.
- ③ TEMPORARY "NO PARKING" IN WORK ZONE LIMITS.
- ④ CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL DRIVEWAYS AT ALL TIMES.

**WORK TO BE DONE**

INSTALLATION OF CURB, GUTTER, AND SIDEWALK

**HOURS OF WORK**

8: 30 AM TO 3: 30 PM

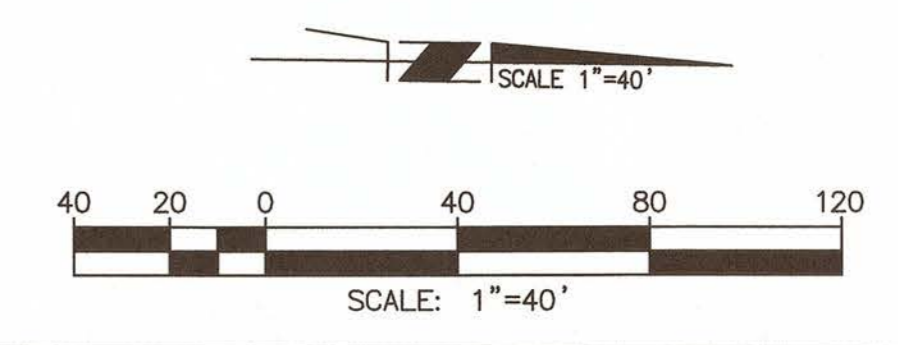
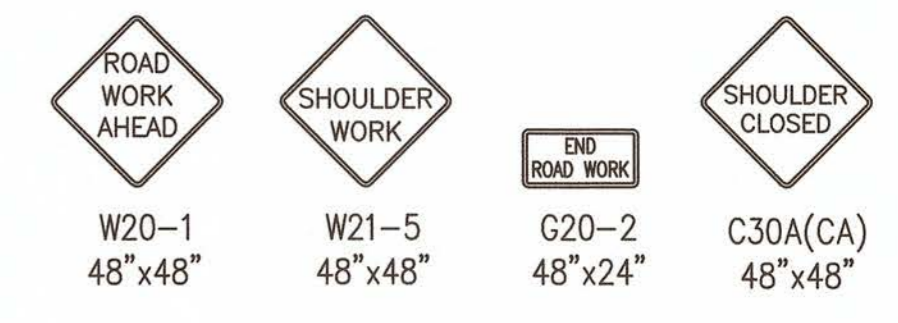
**STAGE 1**

SHOULDER CLOSURE FOR WORK ON NORTH SIDE OF HEBER AVE.  
SHOULDER CLOSURE FOR PEDESTRIAN RAMP WORK ON SOUTH SIDE OF HEBER AVE.

**LEGEND**

- ▨ WORK AREA
- ↑ TEMPORARY CONSTRUCTION SIGN (AS NOTED ON PLAN)
- PORTABLE CONES
- \* PORTABLE FLASHING BEACON
- ⇨ DIRECTION OF TRAFFIC
- ⚡ TYPE II BARRICADE WITH CONSTRUCTION SIGN
- (XX) EXISTING LANE WIDTH
- ▭ MINIMUM PROPOSED CONSTRUCTION LANE WIDTH

**SIGN LEGEND**



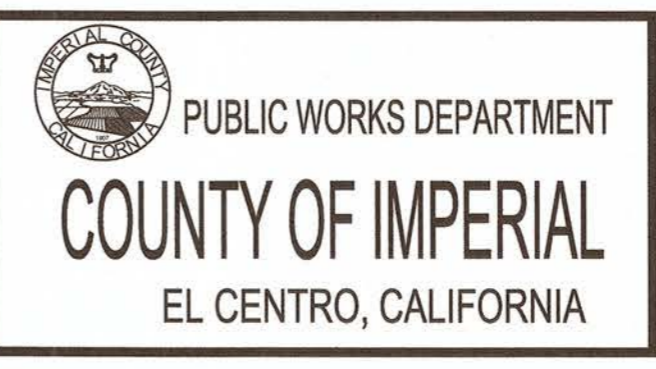
REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
 [Signature]  
 NICOLAS M. MINICILLI, P.E.  
 STC TRAFFIC, INC.  
 74667 R.C.E. No.  
 3/18/2021 DATE  
 12/31/2021 REG. EXP.



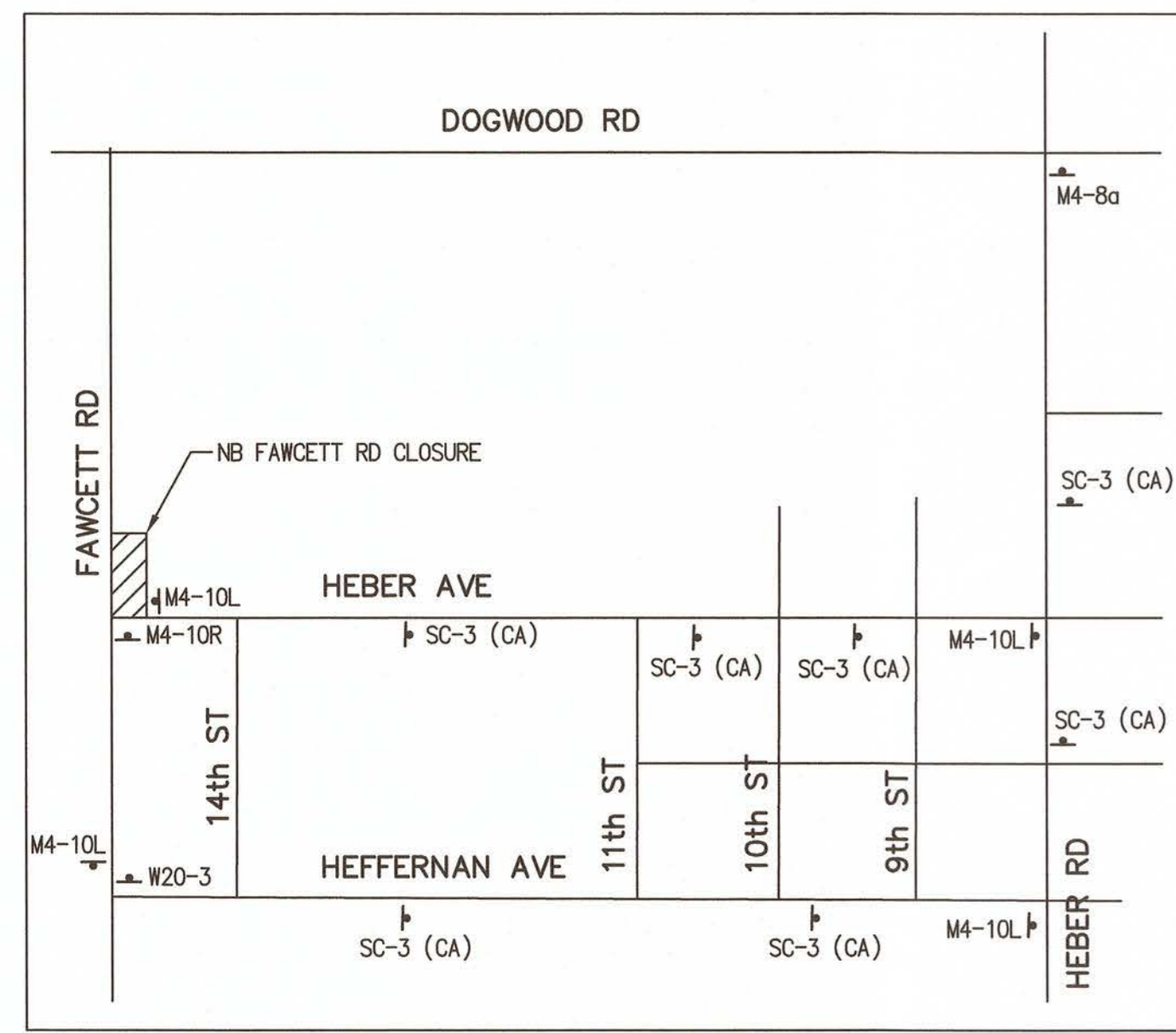
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
 APPROVED FOR CONSTRUCTION BY:  
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 JOHN A. GAY, P.E.  
 ROAD COMMISSIONER  
 62028 R.C.E. No.  
 9/9/21 DATE  
 9/30/21 REG. EXP.



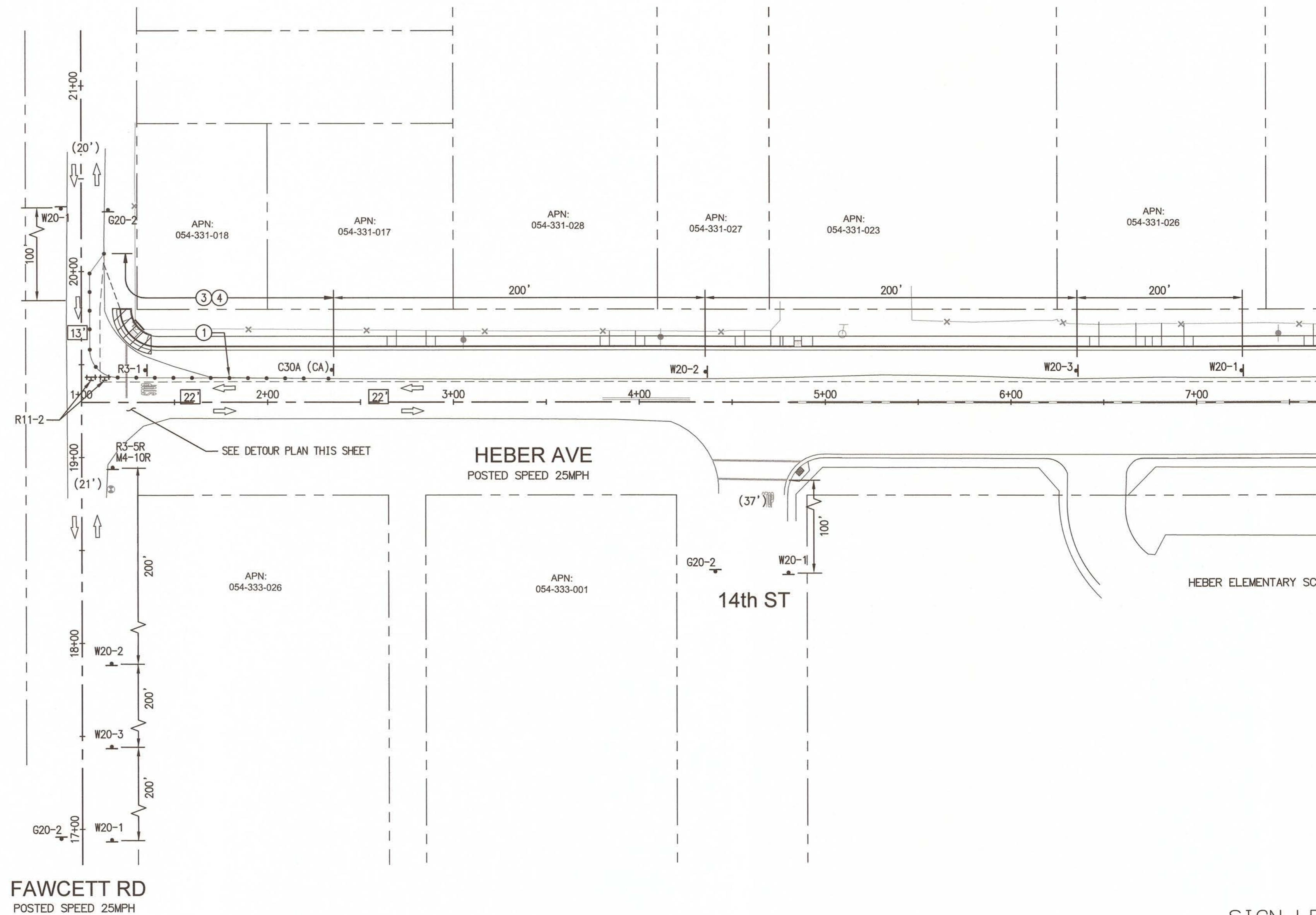
DATE: 3/15/2021  
 DRAWN: JW  
 SCALE: AS SHOWN  
 CHECKED: NM

**HEBER AVENUE ROAD WIDENING AND SIDEWALK IMPROVEMENTS**  
 COUNTY PROJECT No. 6515

TRAFFIC CONTROL STAGE 1	
REFERENCE	R 985
SHEET	20 OF 26

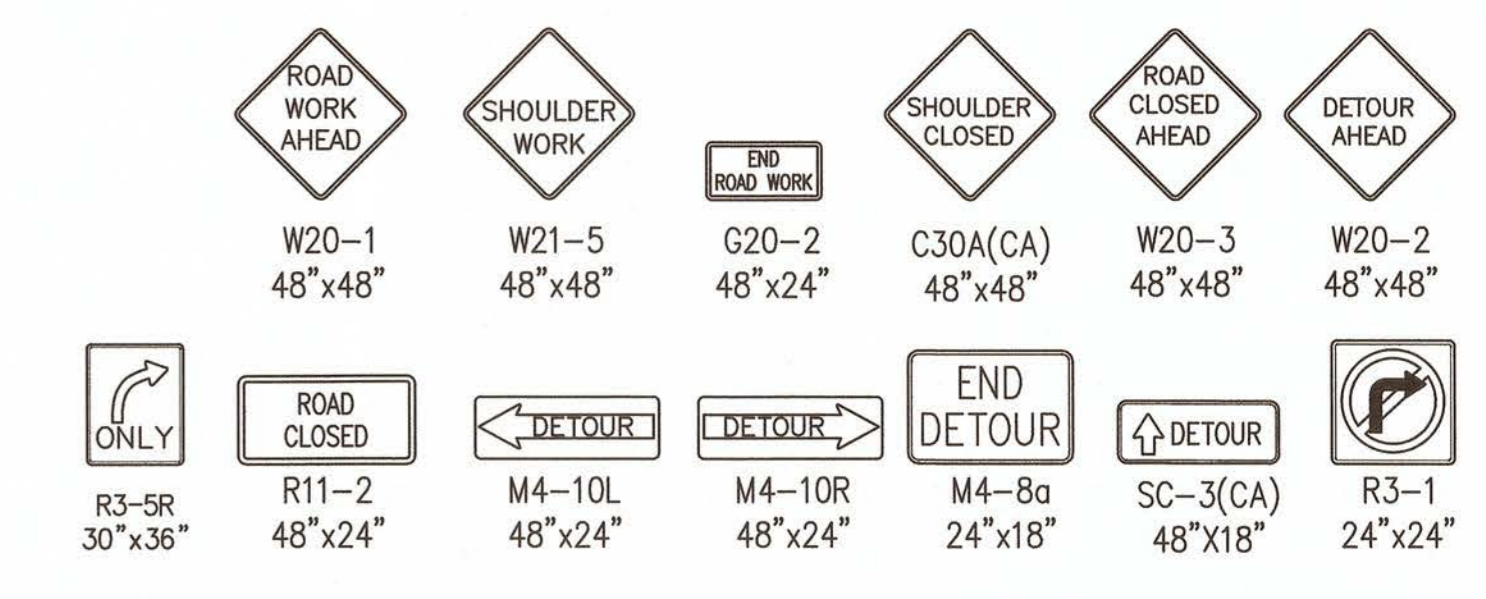


DETOUR PLAN



FAWCETT RD  
POSTED SPEED 25MPH

SIGN LEGEND



LEGEND

- WORK AREA
- TEMPORARY CONSTRUCTION SIGN (AS NOTED ON PLAN)
- PORTABLE CONES
- PORTABLE FLASHING BEACON
- DIRECTION OF TRAFFIC
- TYPE II BARRICADE WITH CONSTRUCTION SIGN
- EXISTING LANE WIDTH
- MINIMUM PROPOSED CONSTRUCTION LANE WIDTH

CONSTRUCTION NOTES

- 1 CONES SHALL BE PLACED IN 10' INTERVALS.
- 2 CONES SHALL BE PLACED IN 25' INTERVALS.
- 3 TEMPORARY "NO PARKING" IN WORK ZONE LIMITS.
- 4 CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL DRIVEWAYS AT ALL TIMES.

WORK TO BE DONE

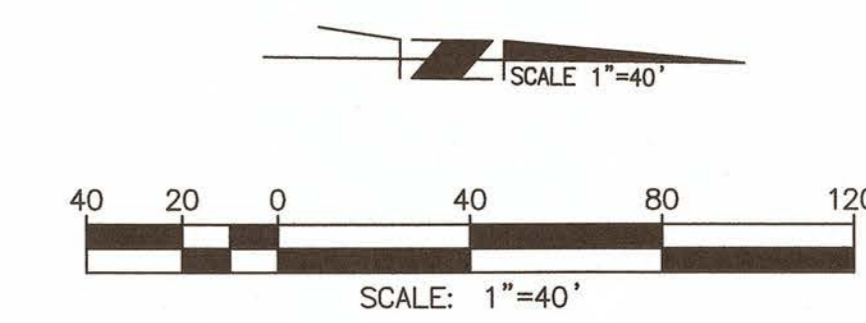
INSTALLATION OF CURB RETURN WITH GUTTER AND SIDEWALK

HOURS OF WORK

8:30 AM TO 3:30 PM

STAGE 2

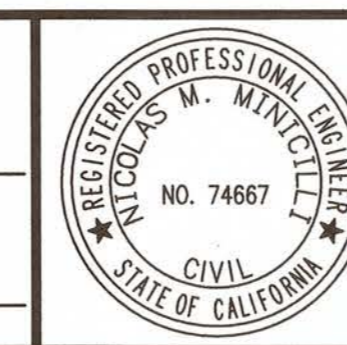
SHOULDER CLOSURE ON WB HEBER AVE AND ROAD CLOSURE ON NB FAWCETT RD FOR WORK ON NORTHEAST CORNER.



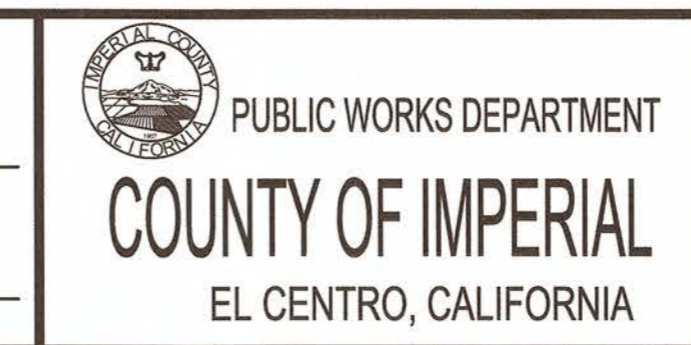
REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
  
 NICOLAS M. MINICILLI, P.E.  
 STC TRAFFIC, INC.  
 74667 R.C.E. No.  
 3/18/2021 DATE 12/31/2021 REG. EXP.



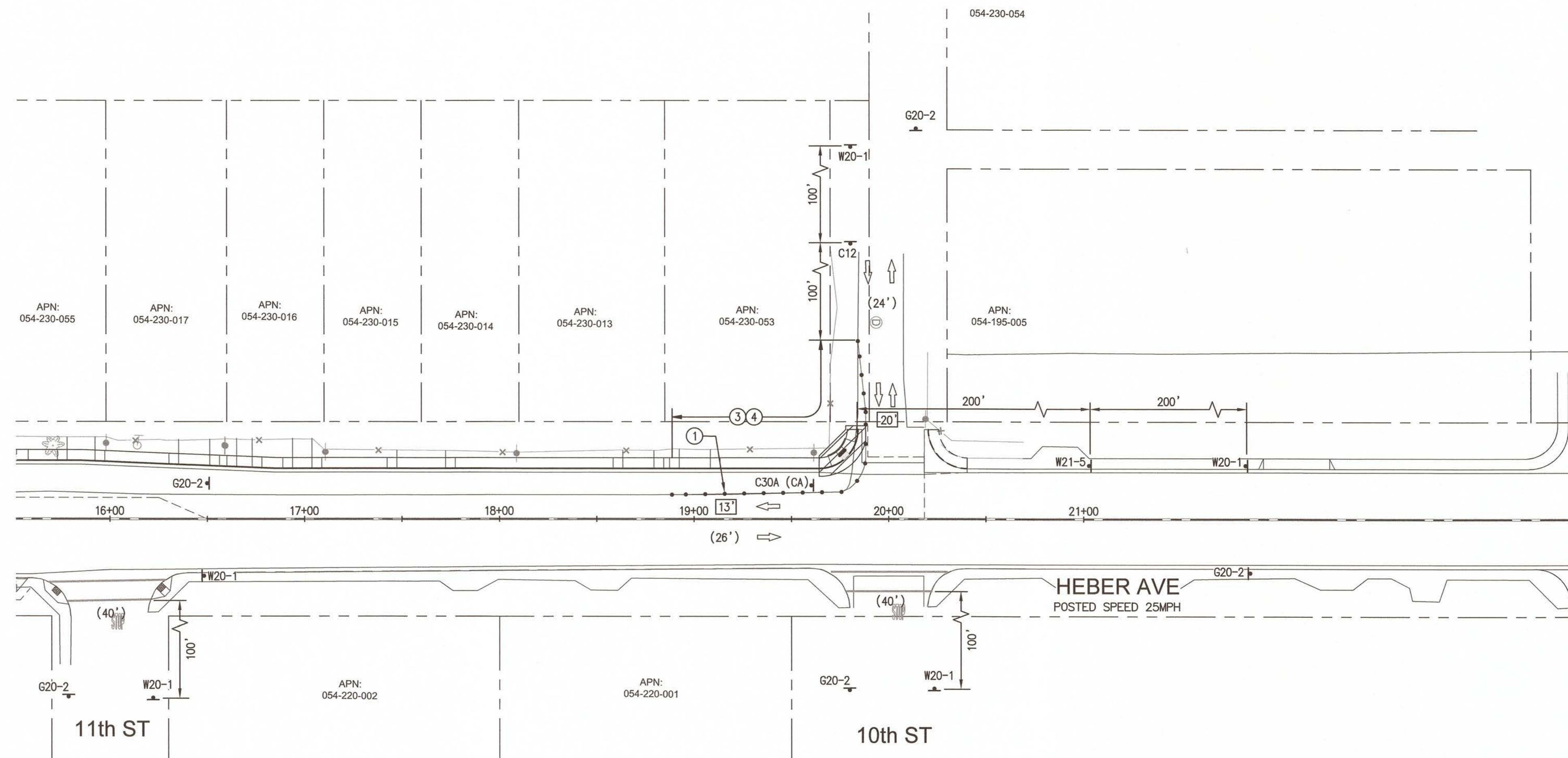
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
 APPROVED FOR CONSTRUCTION BY:  
  
 JOHN A. GAY, P.E.  
 ROAD COMMISSIONER  
 62028 R.C.E. No.  
 9/30/21 REG. EXP.  
 DATE



DATE: 3/15/2021  
 DRAWN: JW  
 SCALE: AS SHOWN  
 CHECKED: NM

HEBER AVENUE ROAD WIDENING  
 AND SIDEWALK IMPROVEMENTS  
 COUNTY PROJECT No. 6515

TRAFFIC CONTROL  
 STAGE 2  
 REFERENCE: R 985  
 SHEET 21 OF 26



**CONSTRUCTION NOTES**

- ① CONES SHALL BE PLACED IN 10' INTERVALS.
- ② CONES SHALL BE PLACED IN 25' INTERVALS.
- ③ TEMPORARY "NO PARKING" IN WORK ZONE LIMITS.
- ④ CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL DRIVEWAYS AT ALL TIMES.

**WORK TO BE DONE**

INSTALLATION OF CURB RETURN WITH GUTTER AND SIDEWALK.

**HOURS OF WORK**

8:30 AM TO 3:30 PM

**STAGE 3**

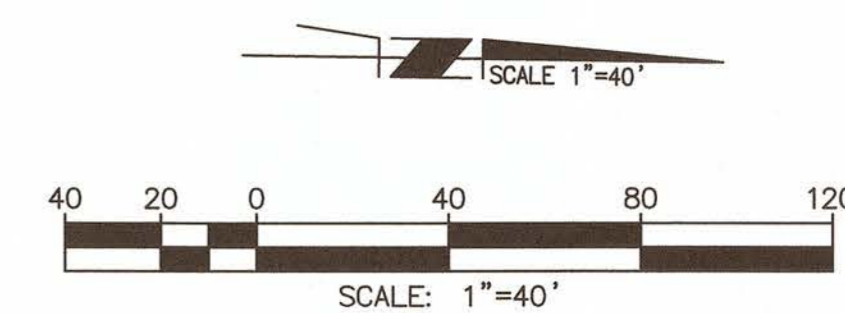
SHOULDER CLOSURE ON WB HEBER AVE SOUTHBOUND 10TH ST FOR WORK ON NORTHWEST CORNER.

**LEGEND**

- WORK AREA
- TEMPORARY CONSTRUCTION SIGN (AS NOTED ON PLAN)
- PORTABLE CONES
- PORTABLE FLASHING BEACON
- DIRECTION OF TRAFFIC
- TYPE II BARRICADE WITH CONSTRUCTION SIGN
- EXISTING LANE WIDTH
- MINIMUM PROPOSED CONSTRUCTION LANE WIDTH

**SIGN LEGEND**

- ROAD WORK AHEAD (W20-1) 48"x48"
- SHOULDER WORK (W21-5) 48"x48"
- END ROAD WORK (G20-2) 48"x24"
- SHOULDER CLOSED (C30A(CA)) 48"x48"
- NARROW LANE (C12) 48"x48"



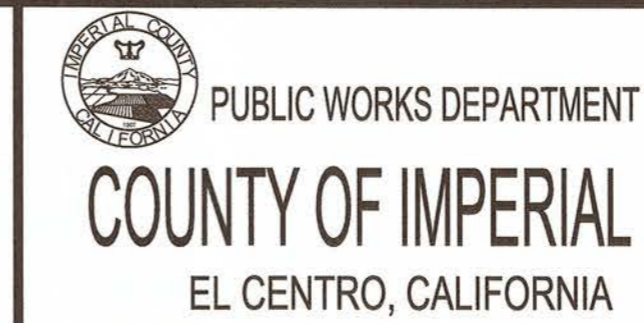
REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
 NICOLAS M. MINICILLI, P.E.  
 STC TRAFFIC, INC.  
 DATE: 3/18/2021  
 R.C.E. No.: 74667  
 REG. EXP.: 12/31/2021



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
 APPROVED FOR CONSTRUCTION BY:  
 JOHN A. GAY, P.E.  
 ROAD COMMISSIONER  
 DATE: 3/19/21  
 R.C.E. No.: 62028  
 REG. EXP.: 9/30/21

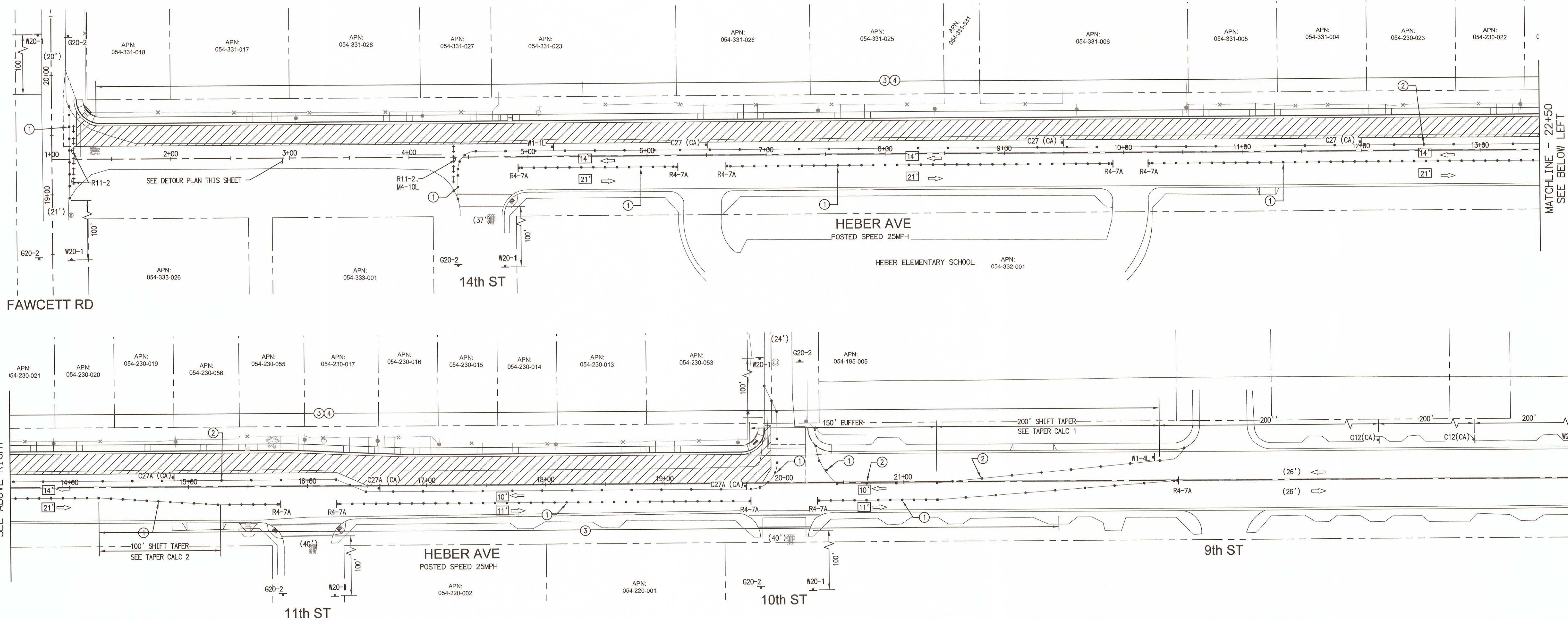


DATE: 3/15/2021  
 DRAWN: JW  
 SCALE: AS SHOWN  
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**HEBER AVENUE ROAD WIDENING AND SIDEWALK IMPROVEMENTS**  
 COUNTY PROJECT No. 6515

TRAFFIC CONTROL STAGE 3	
REFERENCE	R 985
SHEET	22 OF 26





**CONSTRUCTION NOTES**

- ① CONES SHALL BE PLACED IN 10' INTERVALS.
- ② CONES SHALL BE PLACED IN 25' INTERVALS.
- ③ TEMPORARY "NO PARKING" IN WORK ZONE LIMITS.
- ④ CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL DRIVEWAYS AT ALL TIMES.

**WORK TO BE DONE**

INSTALLATION OF PAVEMENT.

**HOURS OF WORK**

8:30 AM TO 3:30 PM

**TAPER LENGTH CALCULATIONS:**

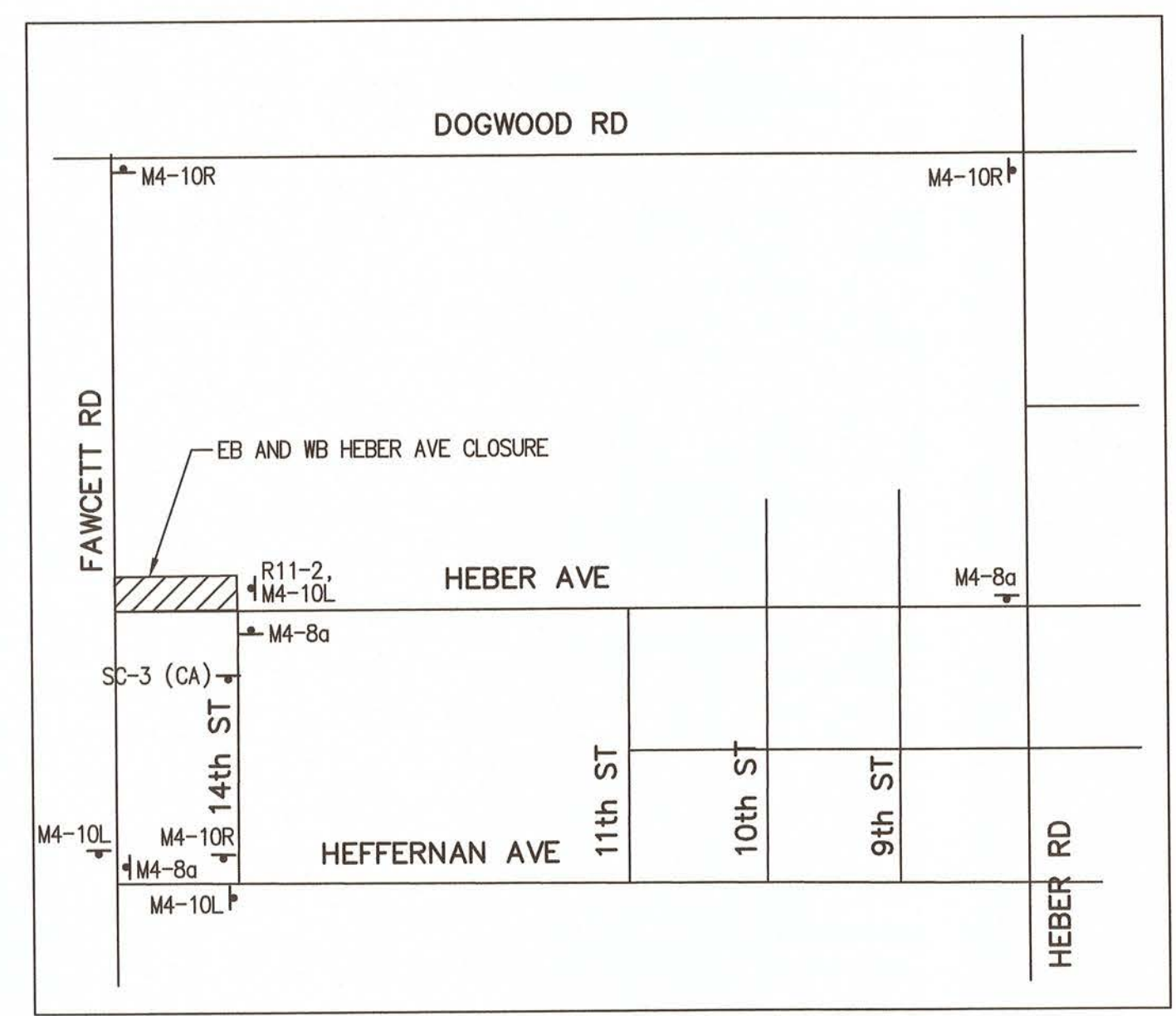
- 1. MIN. SHIFT TAPER =  $L/2 = \frac{(17') \times (25)^2/60}{2} = 88'$  MINIMUM
  - 2. MIN. SHIFT TAPER =  $L/2 = \frac{(6') \times (25)^2/60}{2} = 31'$  MINIMUM
- L = LENGTH OF TRANSITION FOR SPEEDS OF 40 MPH OR LESS  
 $= \frac{W \times S^2}{60}$   
W = OFFSET  
S = DESIGN SPEED

**STAGE 4**

LANE CLOSURE ON WB HEBER AVE FOR PAVEMENT WORK ON NORTH SIDE OF HEBER AVE.

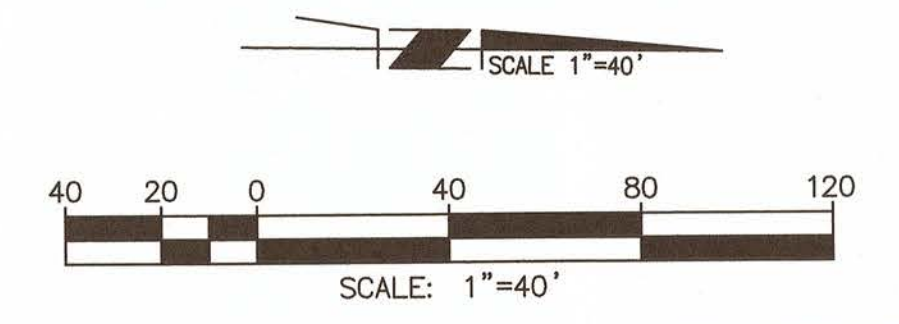
**LEGEND**

- WORK AREA
- TEMPORARY CONSTRUCTION SIGN (AS NOTED ON PLAN)
- PORTABLE CONES
- PORTABLE FLASHING BEACON
- DIRECTION OF TRAFFIC
- TYPE II BARRICADE WITH CONSTRUCTION SIGN
- EXISTING LANE WIDTH
- MINIMUM PROPOSED CONSTRUCTION LANE WIDTH



**SIGN LEGEND**

- ROAD WORK AHEAD
  - DETOUR
  - END ROAD WORK
  - OPEN TRENCH
  - NARROW LANE
  - KEEP RIGHT
  - ROAD CLOSED
  - DETOUR
  - END DETOUR
- W21-5 48"x48"  
W1-4L 48"x48"  
G20-2 48"x24"  
C27 (CA) 48"x48"  
W1-1 48"x48"  
C12 (CA) 48"x48"  
R4-7A 48"x24"  
R11-2 48"x24"  
M4-10L 48"x24"  
M4-10R 48"x24"  
M4-8a 24"x18"



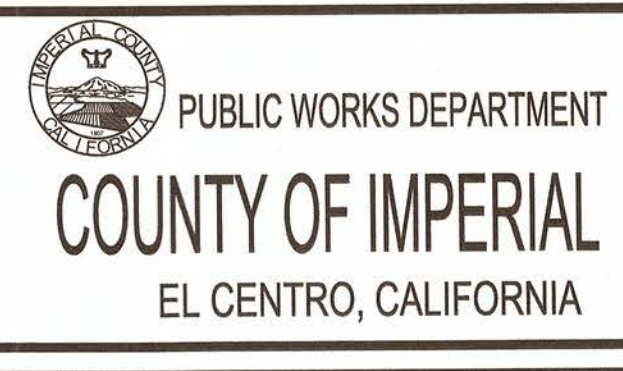
REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
  
NICOLAS M. MINICILLI, P.E.  
STC TRAFFIC, INC.  
3/18/2021 DATE  
74667 R.C.E. No.  
12/31/2021 REG. EXP.



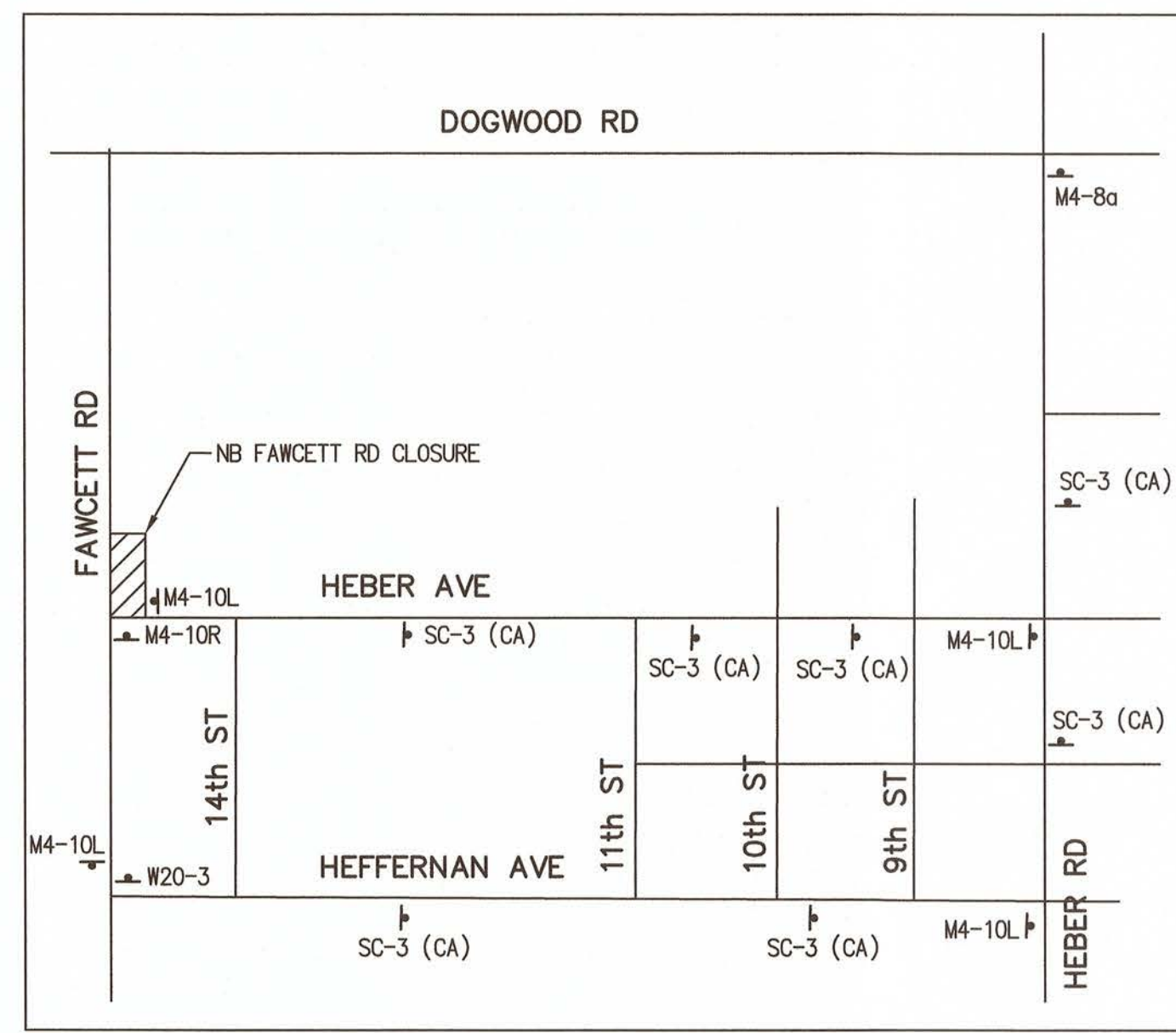
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
APPROVED FOR CONSTRUCTION BY:  
  
JOHN A. GAY, P.E.  
ROAD COMMISSIONER  
9/9/21 DATE  
62028 R.C.E. No.  
9/30/21 REG. EXP.



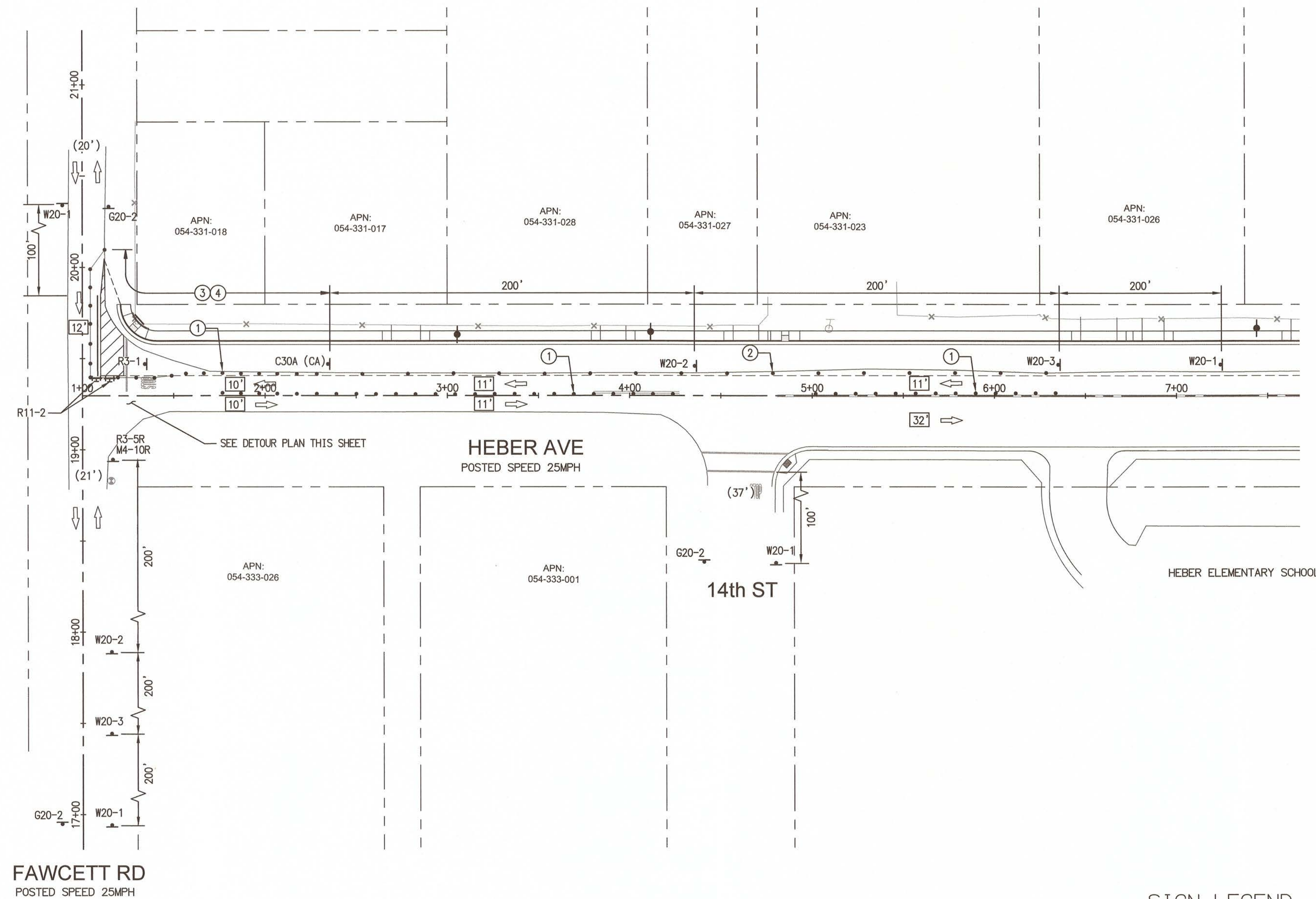
DATE: 3/15/2021  
DRAWN: JW  
SCALE: AS SHOWN  
CHECKED: NM

**HEBER AVENUE ROAD WIDENING AND SIDEWALK IMPROVEMENTS**  
COUNTY PROJECT No. 6515

TRAFFIC CONTROL  
STAGE 4  
REFERENCE  
R 985  
SHEET 23 OF 26



DETOUR PLAN



FAWCETT RD  
POSTED SPEED 25MPH

**CONSTRUCTION NOTES**

- ① CONES SHALL BE PLACED IN 10' INTERVALS.
- ② CONES SHALL BE PLACED IN 25' INTERVALS.
- ③ TEMPORARY "NO PARKING" IN WORK ZONE LIMITS.
- ④ CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL DRIVEWAYS AT ALL TIMES.

**WORK TO BE DONE**

INSTALLATION OF PAVEMENT SECTION.

**HOURS OF WORK**

8:30 AM TO 3:30 PM

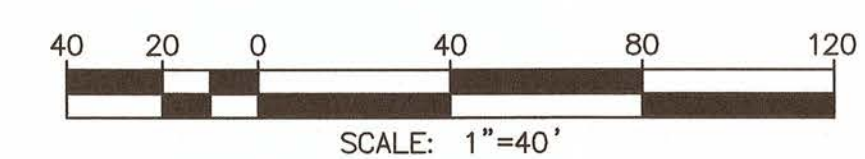
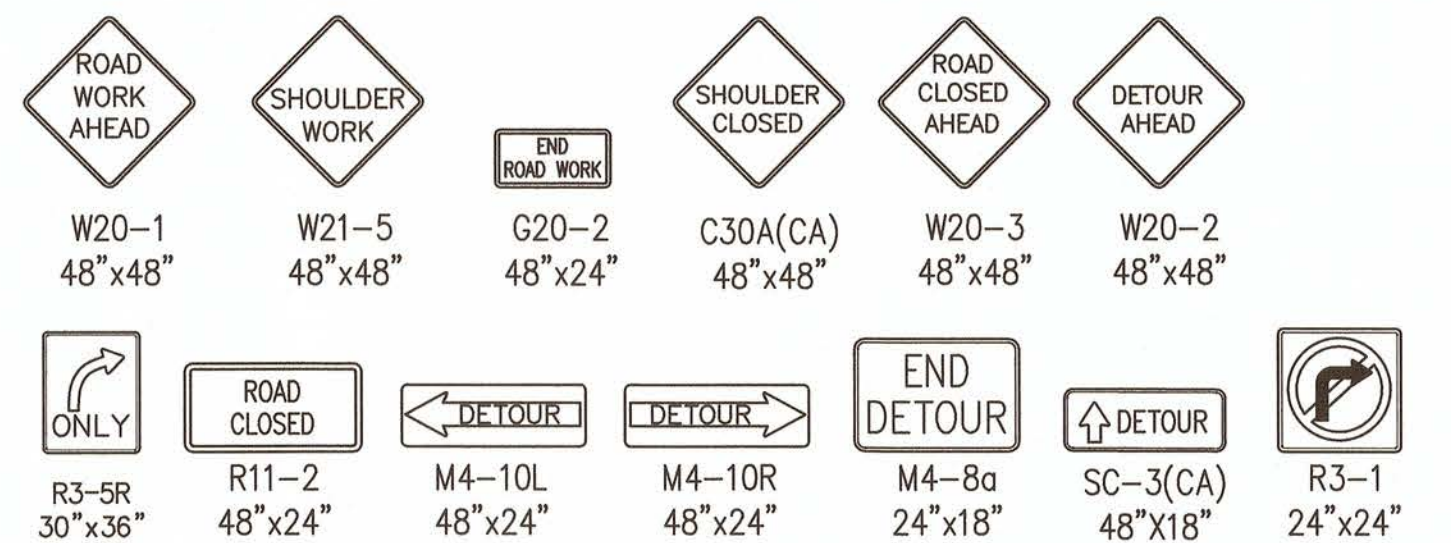
**STAGE 5**

SHOULDER CLOSURE ON WB HEBER AVE AT FAWCETT RD FOR PAVEMENT WORK ON NORTHEAST CORNER.

**LEGEND**

- WORK AREA
- TEMPORARY CONSTRUCTION SIGN (AS NOTED ON PLAN)
- PORTABLE CONES
- PORTABLE FLASHING BEACON
- DIRECTION OF TRAFFIC
- TYPE II BARRICADE WITH CONSTRUCTION SIGN
- EXISTING LANE WIDTH
- MINIMUM PROPOSED CONSTRUCTION LANE WIDTH

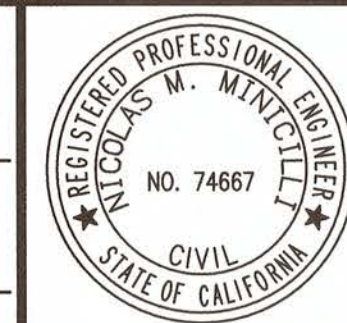
**SIGN LEGEND**



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:  
  
 NICOLAS M. MINICILLI, P.E.  
 STC TRAFFIC, INC.  
 74667 R.C.E. No.  
 3/18/2021 DATE 12/31/2021 REG. EXP.



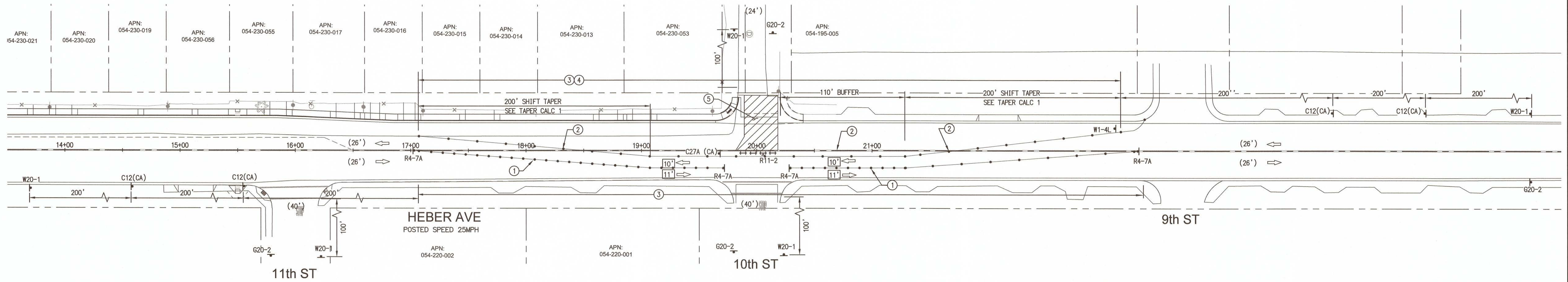
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
 APPROVED FOR CONSTRUCTION BY:  
  
 JOHN A. GAY, P.E.  
 ROAD COMMISSIONER  
 62028 R.C.E. No.  
 9/9/21 DATE 9/30/21 REG. EXP.

PUBLIC WORKS DEPARTMENT  
 COUNTY OF IMPERIAL  
 EL CENTRO, CALIFORNIA

DATE: 3/15/2021  
 DRAWN: JW  
 SCALE: AS SHOWN  
 CHECKED: NM

HEBER AVENUE ROAD WIDENING  
 AND SIDEWALK IMPROVEMENTS  
 COUNTY PROJECT No. 6515

TRAFFIC CONTROL  
 STAGE 5  
 REFERENCE: R 985  
 SHEET 24 OF 26



**CONSTRUCTION NOTES**

- ① CONES SHALL BE PLACED IN 10' INTERVALS.
- ② CONES SHALL BE PLACED IN 25' INTERVALS.
- ③ TEMPORARY "NO PARKING" IN WORK ZONE LIMITS.
- ④ CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL DRIVEWAYS AT ALL TIMES.
- ⑤ CONTRACTOR SHALL MAINTAIN ACCESS TO 10TH STREET FOR LOCAL RESIDENTS ONLY.

**WORK TO BE DONE**

INSTALLATION OF PAVEMENT.

**HOURS OF WORK**

8:30 AM TO 3:30 PM

**TAPER LENGTH CALCULATIONS:**

1. MIN. SHIFT TAPER =  $L/2 = (17') \times (25)^2 / 60 = 88'$  MINIMUM

L = LENGTH OF TRANSITION FOR SPEEDS OF 40 MPH OR LESS  
 $= \frac{W \times S^2}{60}$   
 W = OFFSET  
 S = DESIGN SPEED

**STAGE 6**

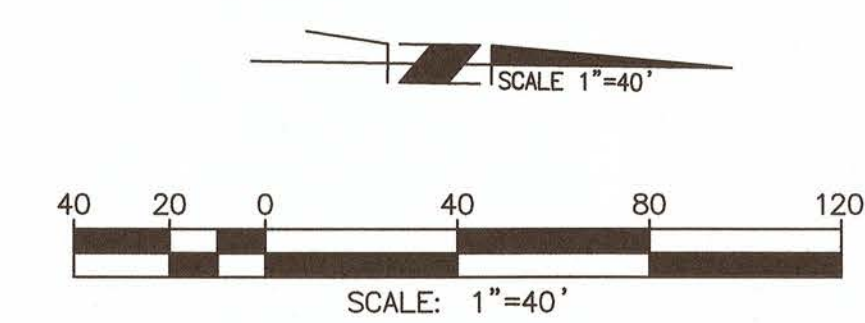
LANE SHIFT ON NB HEBER AVE AT 10TH ST FOR PAVEMENT WORK ON NORTH SIDE OF HEBER AVE.

**LEGEND**

- WORK AREA
- TEMPORARY CONSTRUCTION SIGN (AS NOTED ON PLAN)
- PORTABLE CONES
- PORTABLE FLASHING BEACON
- DIRECTION OF TRAFFIC
- TYPE II BARRICADE WITH CONSTRUCTION SIGN
- EXISTING LANE WIDTH
- MINIMUM PROPOSED CONSTRUCTION LANE WIDTH

**SIGN LEGEND**

- W21-5  
48"x48"
- W1-4L  
48"x48"
- G20-2  
48"x24"
- C27 (CA)  
48"x48"
- W1-1  
48"x48"
- C12 (CA)  
48"x48"
- R4-7A  
48"x24"
- R11-2  
48"x24"



REVISION	DATE	COMMENTS

5865 AVENIDA ENCINAS, STE 142B  
 CARLSBAD, CA 92008  
 PHONE: 760-602-4290  
 WWW.STCTRFFIC.COM

PREPARED UNDER THE DIRECT SUPERVISION OF:  
  
 NICOLAS M. MINICILLI, P.E.  
 STC TRAFFIC, INC.  
 74667 R.C.E. No.  
 12/31/2021 REG. EXP.  
 DATE

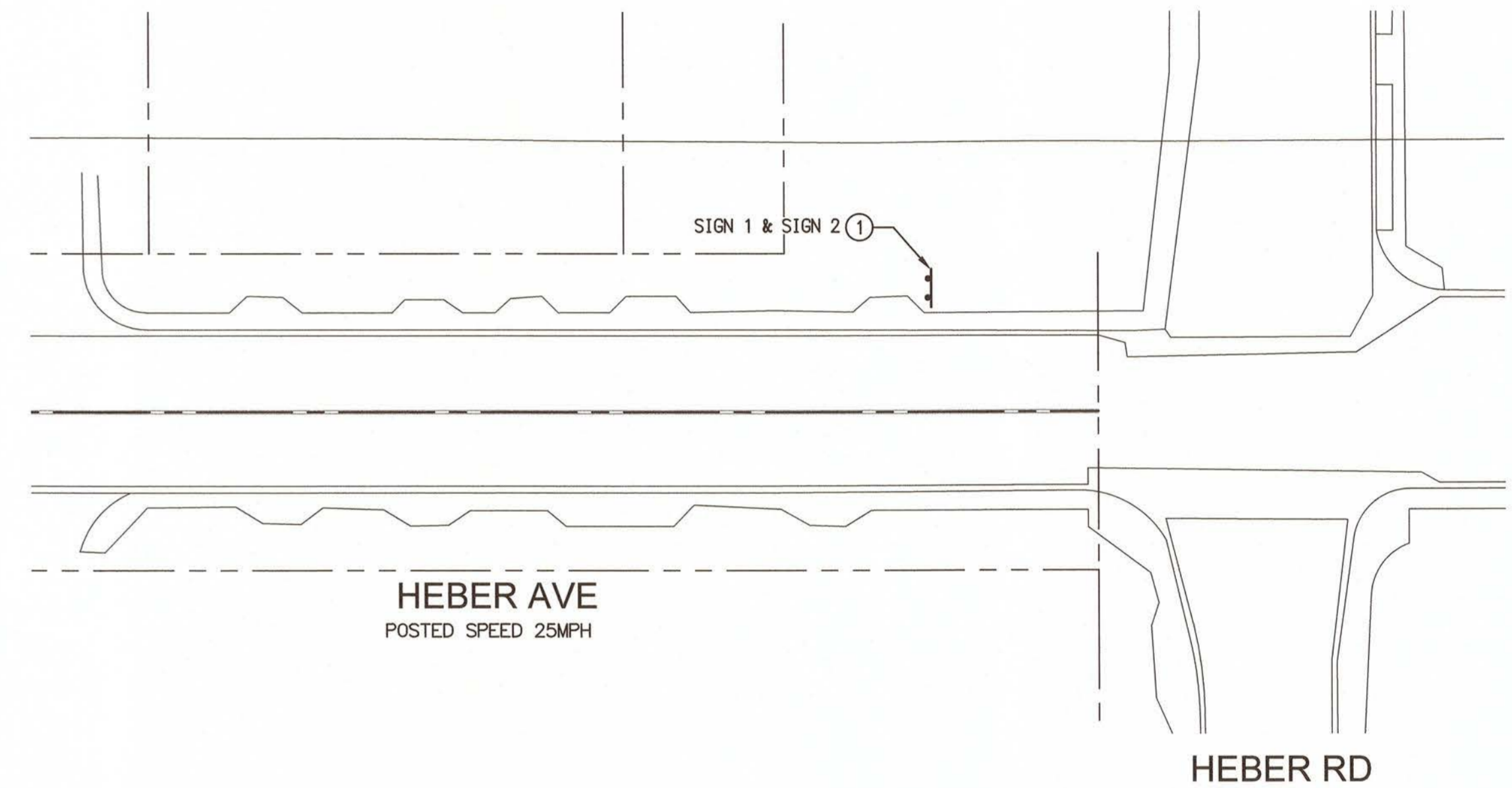
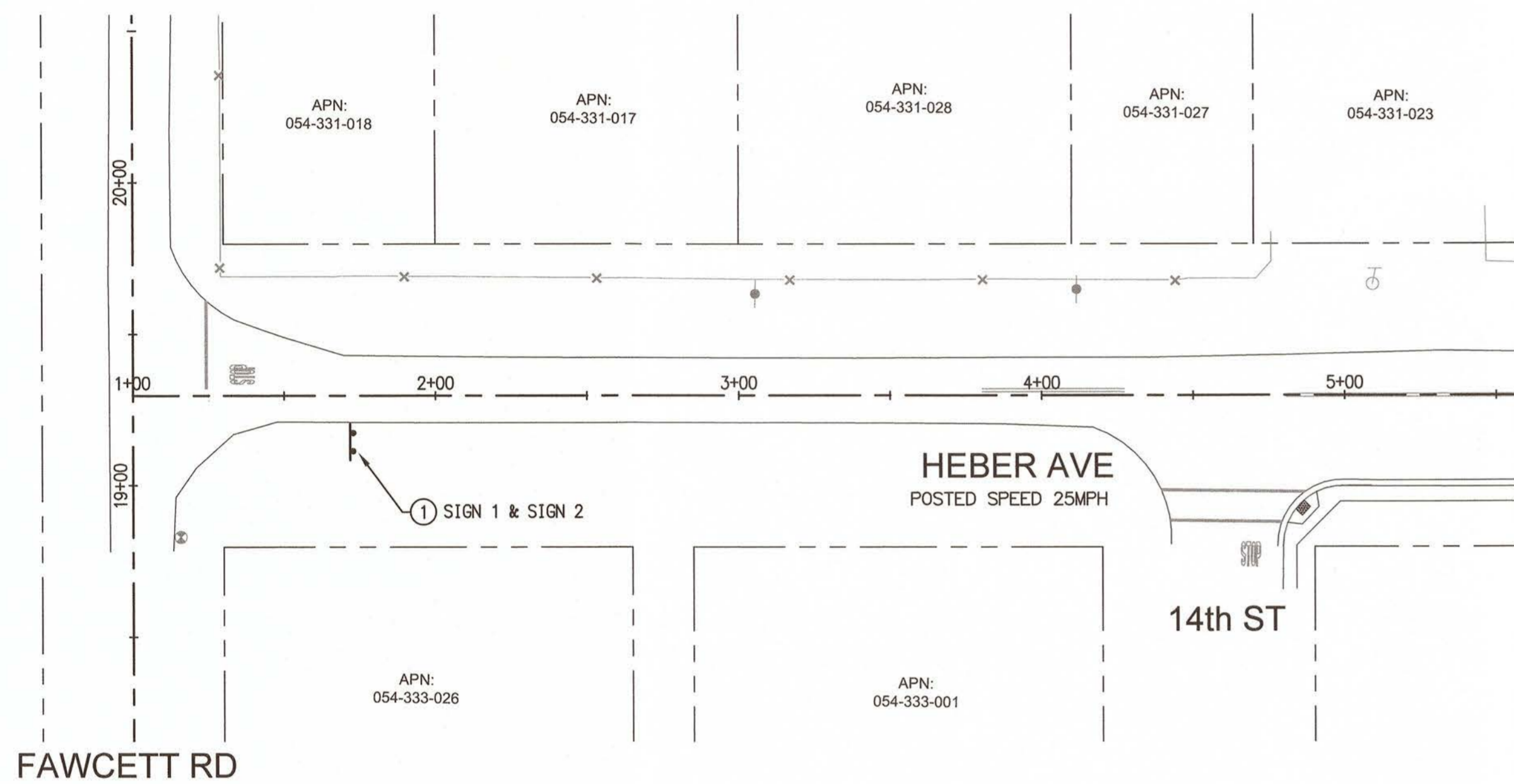
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
 APPROVED FOR CONSTRUCTION BY:  
  
 JOHN A. GAY, P.E.  
 ROAD COMMISSIONER  
 62028 R.C.E. No.  
 9/30/21 REG. EXP.  
 DATE

PUBLIC WORKS DEPARTMENT  
**COUNTY OF IMPERIAL**  
 EL CENTRO, CALIFORNIA

DATE: 3/15/2021  
 DRAWN: JW  
 SCALE: AS SHOWN  
 CHECKED: NM

**HEBER AVENUE ROAD WIDENING  
 AND SIDEWALK IMPROVEMENTS**  
 COUNTY PROJECT No. 6515

TRAFFIC CONTROL  
 STAGE 6  
 REFERENCE  
 R 985  
 SHEET 25 OF 26



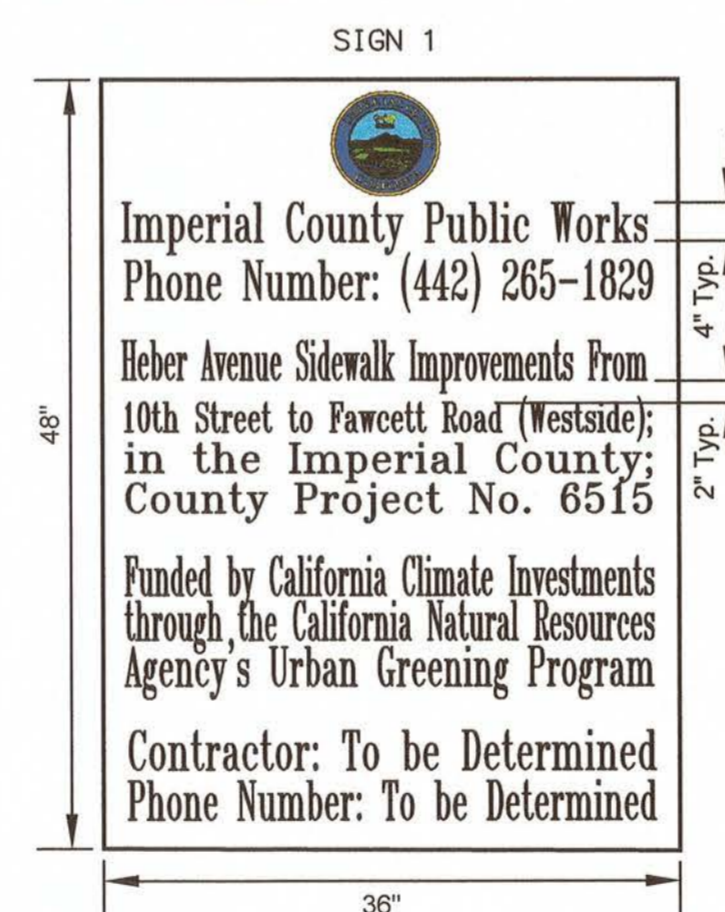
**CONSTRUCTION NOTES**

- ① FURNISH AND INSTALL SIGN 1 AND SIGN 2 ON A DOUBLE POST

**LEGEND**

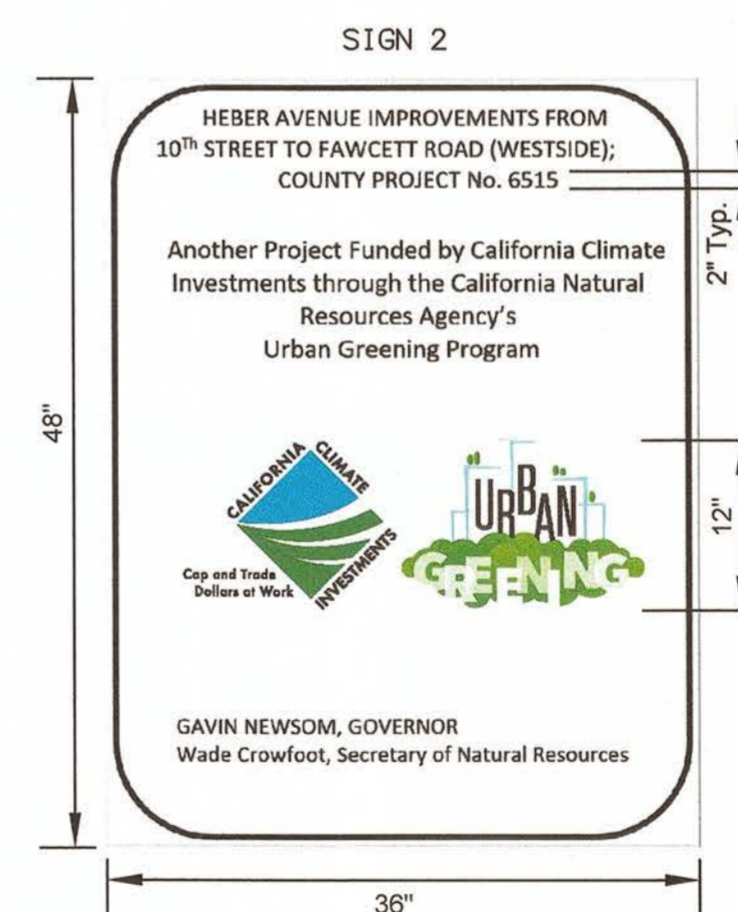
PROPOSED SIGNS ON DOUBLE POST

**SIGN LEGEND**



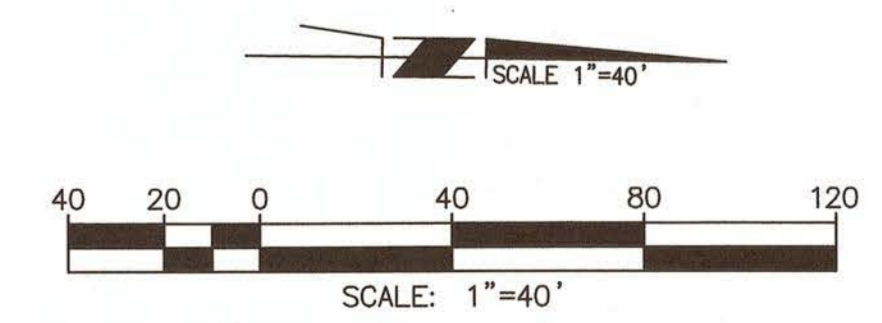
**NOTES: (SIGN 1)**

- The above sign is required at all locations as dictated elsewhere. The above sign is required at all locations as dictated elsewhere in these Special Provisions. in these Special Provisions.
- Contractor shall install a minimum of two signs, visible to the traveling public, at each end of the project as directed by the Engineer.
- The sign shall be reflectorized material on an aluminum base. The sign shall be reflectorized material on an aluminum base.



**NOTES: (SIGN 2)**

- The above sign shall be durable and resistant to the elements and graffiti. The California Department of Parks and Recreation and California Department of Transportation standards can be used as a guide for gauge of metal, quality of paints, mounting specifications, etc.
- Logos shall measure a minimum of 1'x1'.



REVISION	DATE	COMMENTS

5865 AVENIDA ENCINAS, STE 1428  
CARLSBAD, CA 92008  
PHONE: 760-602-4290  
WWW.STCTRAFFIC.COM

PREPARED UNDER THE DIRECT SUPERVISION OF:

*Nicolas M. Minicilli*  
NICOLAS M. MINICILLI, P.E.  
STC TRAFFIC, INC.

74667 R.C.E. No.  
12/31/2021 REG. EXP.  
4/20/2021 DATE

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT  
APPROVED FOR CONSTRUCTION BY:

*John A. Gay*  
JOHN A. GAY, P.E.  
ROAD COMMISSIONER

62028 R.C.E. No.  
9/30/21 REG. EXP.  
9/9/21 DATE

PUBLIC WORKS DEPARTMENT  
**COUNTY OF IMPERIAL**  
EL CENTRO, CALIFORNIA

DATE: 3/15/2021  
DRAWN: JW  
SCALE: AS SHOWN  
CHECKED: NM

**HEBER AVENUE ROAD WIDENING AND SIDEWALK IMPROVEMENTS**  
COUNTY PROJECT No. 6515

FUNDING ACKNOWLEDGEMENT SIGN

REFERENCE: R 985

SHEET 26 OF 26