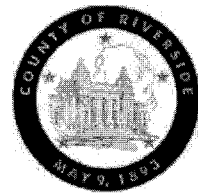


SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA



ITEM  
3.46  
(ID # 4435)

MEETING DATE:  
Tuesday, June 20, 2017


FROM : TLMA-TRANSPORTATION:

SUBJECT: TRANSPORTATION AND LAND MANAGEMENT AGENCY/ TRANSPORTATION:  
Approval of Amendment No. 2 to the Service Agreement by and between the  
County of Riverside and the City of Jurupa Valley for the Troth Street and Pyrite  
Street Sidewalk Improvements. 2nd District. [\$1,468,000 - Total Cost]; Local  
Funds 100%

RECOMMENDED MOTION: That the Board of Supervisors:

1. Approve Amendment No. 2 to the Service Agreement by and between the County of  
Riverside (County) and the City of Jurupa Valley (City) for the Troth Street and Pyrite  
Street Sidewalk Improvements; and
2. Authorize the Chairman of the Board to execute the same.

**ACTION: Policy**


  
Patricia Romo, Director of Transportation 6/6/2017

---

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Jeffries, seconded by Supervisor Tavaglione and duly  
carried by unanimous vote, IT WAS ORDERED that the above matter is approved as  
recommended.

Ayes: Jeffries, Tavaglione, Washington, Perez and Ashley  
Nays: None  
Absent: None  
Date: June 20, 2017  
xc: Transp.

Kecia Harper-Ihem  
Clerk of the Board  
By:   
Deputy

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,  
STATE OF CALIFORNIA**

<b>FINANCIAL DATA</b>	<b>Current Fiscal Year:</b>	<b>Next Fiscal Year:</b>	<b>Total Cost:</b>	<b>Ongoing Cost</b>
<b>COST</b>	\$ 749,040	\$ 718,960	\$ 1,468,000	\$
<b>NET COUNTY COST</b>	\$	\$	\$	\$
<b>SOURCE OF FUNDS:</b> City of Jurupa Valley (100%). There are no General Funds used in this project.			<b>Budget Adjustment:</b> No	
			<b>For Fiscal Year:</b> 16/17 & 17/18	

**C.E.O. RECOMMENDATION:** Approve

**BACKGROUND:**

**Summary**

In August 2014, the City successfully competed to receive Active Transportation Program (ATP) funds for the Troth Street and Pyrite Street safe routes to school sidewalk project. The ATP Program is administered by the California Department of Transportation (Caltrans) who requires agencies to have a Master Agreement with Caltrans to receive federal funds.

To assist the City to secure the Active Transportation Program (ATP) funding, the County agreed to act as the Lead Administrator on behalf of the City and submit funding documents to the California Department of Transportation (Caltrans) for approval.

On March 24, 2015 (Agenda Item 3-38), the Board of Supervisors approved the Service Agreement between the County and the City for the Troth Street and Pyrite Street Sidewalk Improvement Projects. This Agreement outlined the roles and responsibilities of the County and City to complete the design and construction of the sidewalk projects.

Amendment No. 1 to the Service Agreement, approved by the Board on July 12, 2016 as Agenda Item 3-46, amended the Service Agreement for the City to provide the funding necessary to complete the construction for the Pyrite Street project.

Amendment No. 2 to the Service Agreement, amends the agreement for the City to provide the funding necessary to construct the Troth Street project.

The County will provide the administrative, technical, managerial, and support services necessary for the construction phase of the project and the City will fund 100% of the cost to construct. The total Troth Street project cost is estimated to be approximately \$1,468,000, the County will invoice Caltrans for reimbursement of the ATP funding allocated for the Troth Street project. At the conclusion of the project, and final reconciliation, the County will refund any unused funds back to the City.

The environmental document for the project was approved by the City and the Notice of Exemption was filed March 23, 2015. The Amendment No. 2 to the Service Agreement was approved by the Jurupa Valley City Council at their regular meeting of June 1, 2017.

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,  
STATE OF CALIFORNIA**

Troth Sidewalk Improvement Project Number: C5-0082

Acceptance of the Low Bid and Award of Contract for the Troth Street Sidewalk project appears as a companion Item on the Board of Supervisors Agenda this same day.

**Impact on Residents and Businesses**

The proposed improvements will improve safety and enhance operational efficiency for pedestrians and local traffic on Troth Street around Troth Street Elementary School. The project is scheduled to begin in June 2017 and expected to be completed in September 2017.

**SUPPLEMENTAL:**

**Additional Fiscal Information**

The County will submit invoices to Caltrans for reimbursement and reimburse the City for any amount over and above their local match contribution.

**Contract History and Price Reasonableness**

N/A

**ATTACHMENTS:**

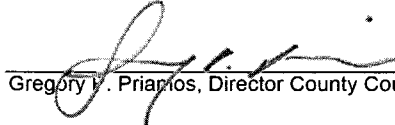
Vicinity Map

Amendment No. 2



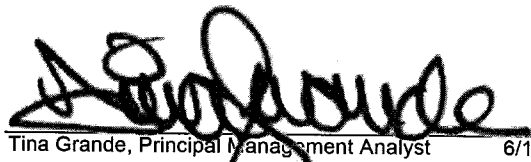
Marsha Victor, Chief Deputy County Counsel

6/8/2017



Gregory H. Priamos, Director County Counsel

6/8/2017



Tina Grande, Principal Management Analyst

6/13/2017

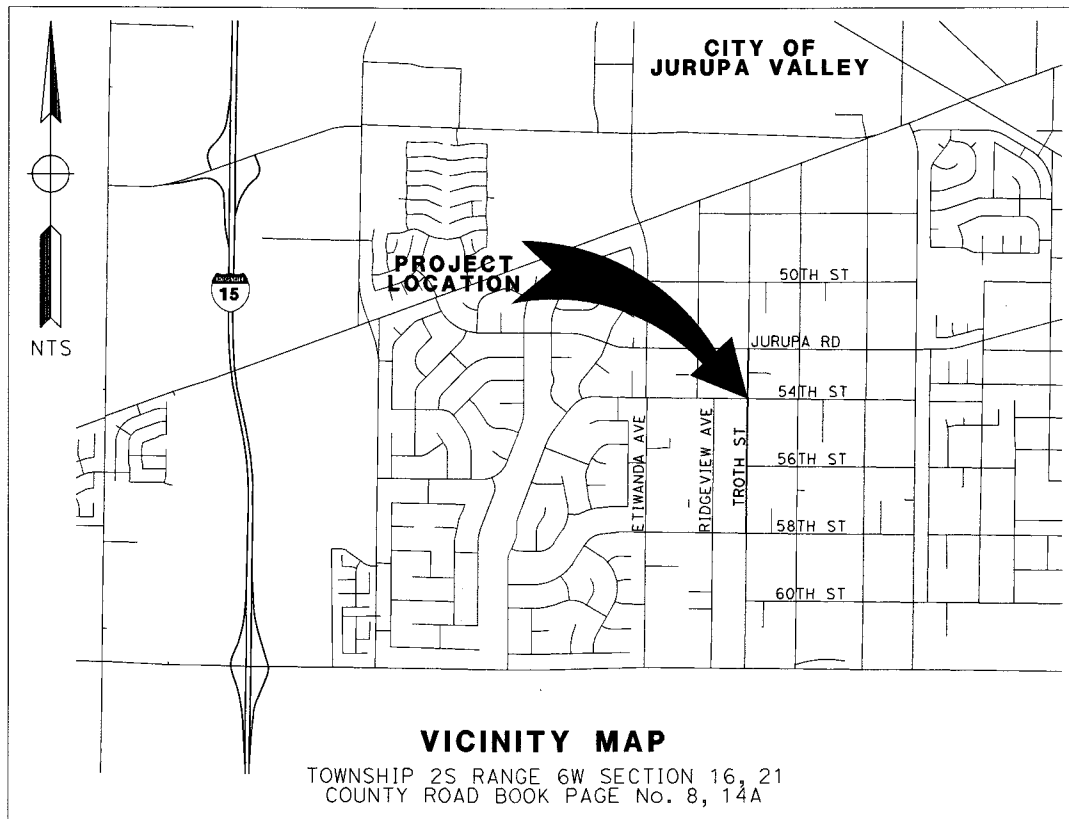
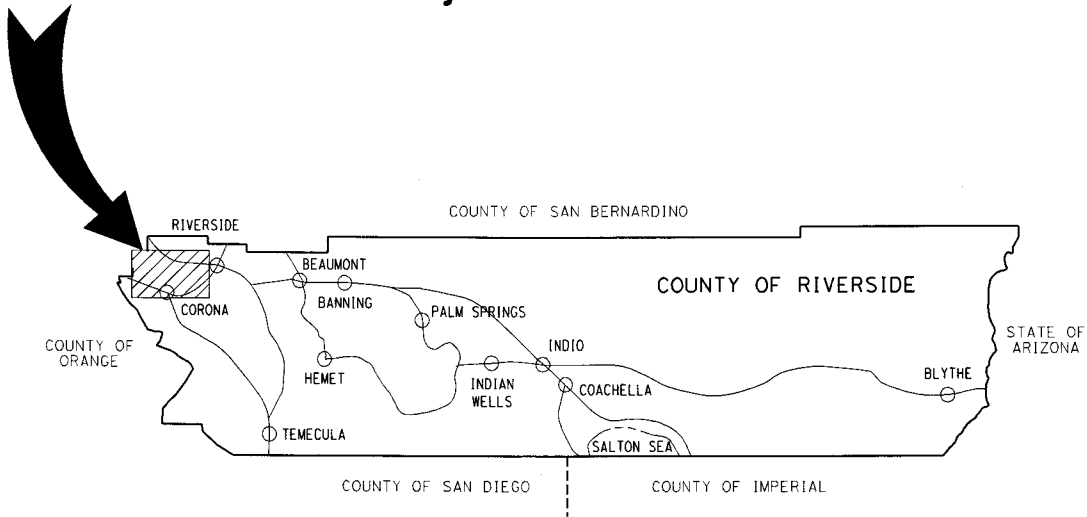


Gregory H. Priamos, Director County Counsel

6/8/2017

COUNTY OF RIVERSIDE  
TRANSPORTATION DEPARTMENT

Troth Street  
Sidewalk Improvement Project  
58th Street to Jurupa Road  
City of Jurupa Valley  
Project No. C5-0082



*Troth Street and Pyrite Street Sidewalk Improvements*

**AMENDMENT NO. 2**

**SERVICE AGREEMENT BY AND BETWEEN**

**COUNTY OF RIVERSIDE AND CITY OF JURUPA VALLEY**

**FOR**

**TROTH STREET AND PYRITE STREET SIDEWALK IMPROVEMENTS**

This Amendment No. 2 (hereinafter the "Amendment") to an agreement is made and entered into this 20<sup>th</sup> day of June, 2017, by and between the County of Riverside, (hereinafter "COUNTY"), and the City of Jurupa Valley (hereinafter "CITY"), for the provision of certain activities related to the design and construction of Troth Street and Pyrite Street sidewalk projects located within the jurisdictional boundaries of CITY.

**RECITALS**

- A. The COUNTY and CITY have entered into an agreement entitled "Cooperative Agreement by and between Riverside County and CITY for "Troth Street and Pyrite Street Sidewalk Improvements" that was approved by COUNTY on March 24, 2015 as Board Item 3-38 (hereinafter the "Agreement"). The Agreement provides the terms and conditions, scope of work, schedule and budget for the completion of the project.
- B. Amendment No. 1 to the Service Agreement by and between COUNTY and CITY, amended the agreement to provide funding necessary to complete the construction phase of the Pyrite Street project.
- C. It is now desired to amend the Agreement (hereinafter "Amendment No. 2") providing changes to the estimated project costs as provided under Exhibit C.

**AGREEMENT**

NOW THEREFORE, in consideration of the mutual promises contained herein, the parties hereto agree as follows:

- 1. Section 2, the following paragraphs are added.
  - 2d. To approve the transfer of a portion of the unused balance from PROJECT 2, Pyrite Street, Deposit No. 2, in the amount of six hundred thousand dollars (\$600,000), herein described to as Deposit No. 3, to PROJECT 1, Troth Street.
  - 2e. To Deposit with COUNTY, prior to COUNTY award of the construction contract for PROJECT 1, Troth Street and upon written request by COUNTY, an additional six hundred thirty five thousand dollars (\$635,000) (the "Deposit 4").

JUN 20 2017 3.46

*Troth Street and Pyrite Street Sidewalk Improvements*

1 2f. Deposits No. 1, 3 & 4 represent one hundred percent (100%) of the costs for the COUNTY PS&E Phase  
2 services and the Construction Phase services for PROJECT 1, Troth Street, including additional design  
3 services, Construction contingency, Construction Management & Inspection, Survey and Construction  
4 and as provided in Exhibit "C" – Amendment No. 2.

5 2g. The total project cost of PROJECT 1, Troth Street, is estimated at one million four hundred sixty eight  
6 thousand dollars (\$1,468,000) comprised of "Deposit 1" two hundred thirty three thousand dollars  
7 (\$233,000), "Deposit 3" six hundred thousand dollars (\$600,000), and "Deposit 4" six hundred thirty five  
8 thousand dollars (\$635,000).

9  
10 2. Section 3, the following paragraphs are added.

11 3b. The total cost for the COUNTY PS&E Phase services and the COUNTY Construction Phase services for  
12 PROJECT 1, Troth Street, including PS&E, additional design services, Construction contingency,  
13 Construction Management & Inspection, Survey and Construction, is estimated to be \$1,468,000 as  
14 detailed in Exhibit "C" – Amendment No. 2.

15 3. Paragraph 17. is amendment and replaced with:

16 17. Exhibit C is amended and replaced with the attached Exhibit "C" – Amendment No. 2.

17 4. Except for the extent specifically modified or amended hereunder, all the terms, covenants, and  
18 conditions of the Agreement shall remain in full force and effect between the parties hereto.

19  
20 IN WITNESS HEREOF, the parties hereto have caused this Amendment to the Agreement to be duly executed  
21 this day and year first written above.

APPROVALS

COUNTY Approvals

RECOMMENDED FOR APPROVAL:

 Dated: 6/17/17

PATRICIA ROMO  
Director of Transportation

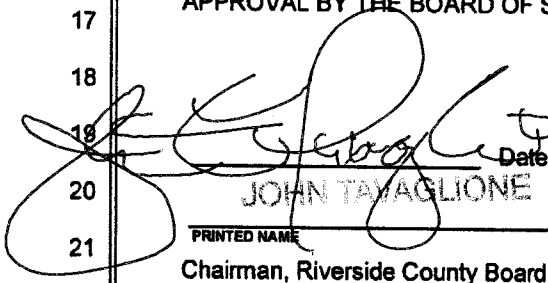
APPROVED AS TO FORM:

GREGORY P. PRIAMOS, COUNTY COUNSEL

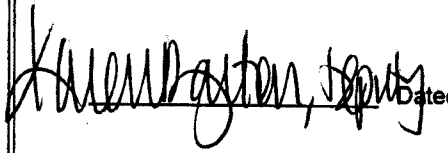
 Dated: 6/18/17

By Deputy

APPROVAL BY THE BOARD OF SUPERVISORS

 Dated: JUN 20 2017  
JOHN TAYAAGLIONE  
PRINTED NAME  
Chairman, Riverside County Board of Supervisors

ATTEST:

 Dated: JUN 20 2017  
Clerk of the Board (SEAL)

CITY Approvals

APPROVED BY:

 Dated: 6/14/17  
GARY THOMPSON  
PRINTED NAME

City Manager

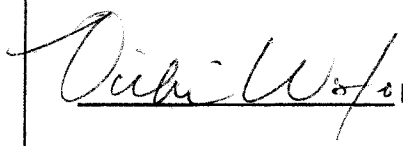
APPROVED AS TO FORM:

 Dated: 6/14/17

PRINTED NAME

City Attorney

ATTEST:

 Dated: 6/14/17  
PRINTED NAME  
City Clerk

## Troth Street and Pyrite Street Sidewalk Improvements

## EXHIBIT C – PROJECT BUDGET

## AMENDMENT NO. 2

**COST ESTIMATE:****LOCATION 1: TROTH STREET SIDEWALK IMPROVEMENTS**

TASK	ATP GRANT FUNDS	CITY FUNDS	TOTAL
<b>PS&amp;E PHASE</b>			
PS&E, Preliminary Survey, Environmental Clearance Document Review, Right of Entry and Right of Way Documents and Utility Coordination	\$ 125,000	\$ 108,000	\$ 233,000
Additional design services; survey, descriptions, exhibits and estimates to minimize Right of Way takes and Right of Entry requirements	\$ 0	\$ 235,000	\$ 235,000
Right of Way Acquisition	\$ 0	\$ 0	\$ 0
Utility Relocation (non-prior rights)	\$ 0	\$ 0	\$ 0
<b>TOTAL COST PS&amp;E PHASE</b>	<b>\$ 125,000</b>	<b>\$ 343,000</b>	<b>\$ 468,000</b>

TASK	ATP GRANT FUNDS	CITY FUNDS	TOTAL
<b>CONSTRUCTION PHASE</b>			
Construction Contingency	\$ 25,000	\$ 49,000	\$ 74,000
Construction Management & Inspection, Survey	\$ 50,000	\$ 137,000	\$ 187,000
Construction	\$ 427,000	\$ 312,000	\$ 739,000
<b>TOTAL COST CONSTRUCTION PHASE</b>	<b>\$ 502,000</b>	<b>\$ 498,000</b>	<b>\$ 1,000,000</b>

<b>TOTAL COST OF PROJECT</b>	<b>\$ 627,000</b>	<b>\$ 841,000</b>	<b>\$ 1,468,000</b>
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**Deposit Summary for PROJECT 1, Troth Street**

Deposit 1	\$233,000	Service Agreement (Item 3-38, March 25, 2015)
Deposit 3	\$600,000	Portion of unused balance from Deposit 2, Amendment No. 1 (Item 3-46, July 12, 2106)
<u>Deposit 4</u>	<u>\$635,000</u>	Amendment No. 2, described herein
<b>Deposit Total</b>	<b>\$1,468,000</b>	



COUNTY OF RIVERSIDE  
**CITY OF JURUPA VALLEY**

**BASIS OF BEARING**

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 6, BASED LOCALLY ON CONTROL STATIONS "AJ1896", AND "AJ1892" (NAD 83) (NSR2007) AS SHOWN HEREON. ALL BEARINGS SHOWN ON THIS MAP ARE GRID QUOTED BEARINGS AND DISTANCES FROM REFERENCE MAPS OR DEEDS ARE AS SHOWN PER THAT RECORD REFERENCE. ALL DISTANCES SHOWN ARE GROUND DISTANCES UNLESS SPECIFIED OTHERWISE. GRID DISTANCES MAY BE OBTAINED BY MULTIPLYING THE GROUND DISTANCE BY A COMBINATION FACTOR OF 1.00000970. CALCULATIONS WERE MADE AT TRAY P1 104 WITH COORDINATES OF: N: 290669.825, E: 6177651.458, USING AN ELEVATION OF 101.16.

**BENCH MARK**

M.L. 15-64 DATUM NGVD29 ELEV: 674.773'

**TROTH STREET**

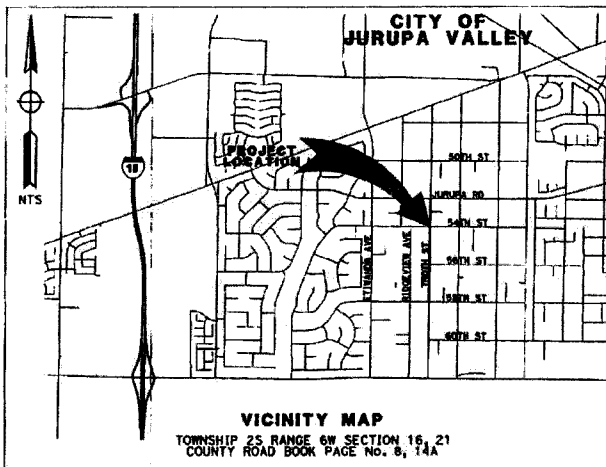
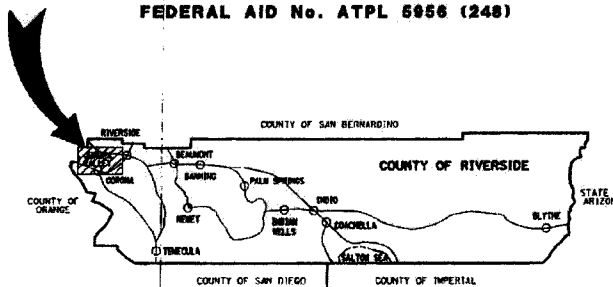
**SIDEWALK PROJECT**  
 58TH STREET TO JURUPA ROAD

WO No. C5-0082

FEDERAL AID No. ATPL 5956 (248)

**ABBREVIATIONS & LEGEND**

AB	AGGREGATE BASE	R	RADIUS
AC	ASPHALT CONCRETE	RESURF	RESURFACING
BC	BEGIN CURVE	RG	ROLLING GATE
BCR	BEGIN CURB RETURN	R/R	REMOVE AND REPLACE
BEG	BEGIN	RT	RIGHT
BO	BLOW OFF	R/W	RIGHT OF WAY
BW	BACK OF SIDEWALK	SARWC	SANTA ANA RIVER WATER COMPANY
BWI	BLOCK WALL AND WROUGH IRON COMBINE	SCE	SOUTHERN CALIFORNIA EDISON
CAB	CABINET	SG	SWING GATE
C&G	CURB AND GUTTER	SHLD	SHOULDER
C	CENTER LINE	SNS	STREET NAME SIGN
CL	CHAIN LINK	ST	STREET
CONC	CONCRETE	TC	TOP OF CURB
CONST	CONSTRUCTION	TRANS	TRANSITION
DNF	DRIVEWAY	TYP	TYPICAL
E	ELECTRICAL	VERT	VERTICAL
EC	END CURVE	WI	WROUGH IRON
ECR	END CURB RETURN	WM	WATER METER
EP	EDGE OF PAVEMENT	WV	WATER VALVE
EX	EXISTING		GAS
FH	FIRE HYDRANT		ELECTRIC
FL	FLOW LINE		STOM DRAIN
GW	GUY WIRE		WATER
HORIZ	HORIZONTAL		MAIL BOX
IC	IRRIGATION CONTROL		MANHOLE
L	LENGTH		WATER VALVE
LF	LINEAR FEET		PEDESTAL
LT	LEFT		GUIDE WIRE
MAX	MAXIMUM		
MB	MAILBOX		
MG	MAN GATE		
MH	MANHOLE		
MIN	MINIMUM		
NTS	NOT TO SCALE		
P.E.C.	PERMIT TO ENTER AND CONSTRUCT		
PED	PEDESTAL		
PL	PROPERTY LINE		
PP	POWER POLE		
PROP	PROPERTY		



**INDEX OF SHEETS**

SHEET No.	DESCRIPTION
1	TITLE
2	TYPICAL CROSS SECTIONS & DETAILS
3 - 10	LAYOUT

CONCURRED BY	CONCURRED BY	PREPARED BY	TITLE	SHEET No.
JIM SMITH PUBLIC WORKS DIRECTOR CITY OF JURUPA VALLEY DATE: 3-15-17	PATRICIA BOND DIRECTOR COUNTY OF RIVERSIDE DATE: 3/14/17	MICHAEL D. MAJETNO PROJECT MANAGER COUNTY OF RIVERSIDE DATE: 3/14/17	CITY OF JURUPA VALLEY <b>TROTH STREET</b> SIDEWALK PROJECT	1 of 10

THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, (800) 227-2600, AND ALL CONCERNED UTILITY COMPANIES AT LEAST TWO WORKING DAYS IN ADVANCE OF EXCAVATION.

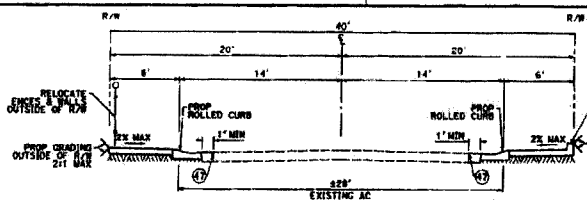
PREPARED LAST BY: SDC 02/01/2014

USERNAME -> chayan  
 DGN FILE -> C5-0082.dgn

WO C5-0082

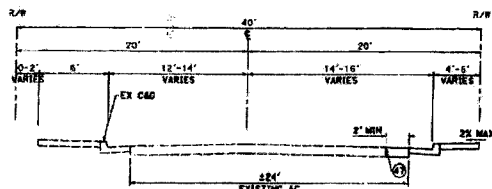
COUNTY FILE No.

C5-0082 TROTH STREET



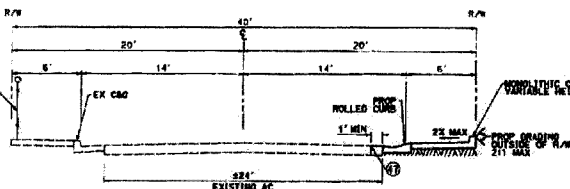
**TROTH STREET**

37+09 TO 39+68 (6,7)  
42+68 TO 45+81 (7,8)  
NTS



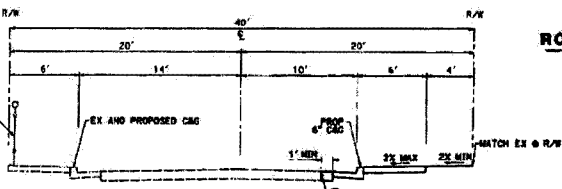
**TROTH STREET**

39+69 TO 42+58 (2,3)  
42+58 TO 45+81 (7,8)  
NTS



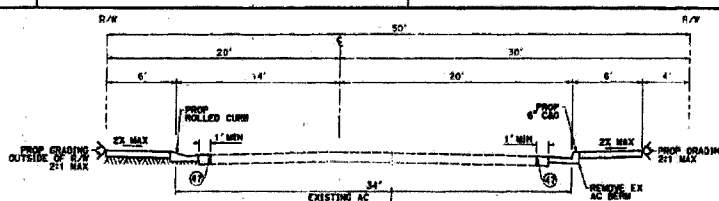
**TROTH STREET**

45+82 TO 48+50 (2,3)  
48+50 TO 52+34 (3)  
52+34 TO 55+50 (3-5)  
NTS



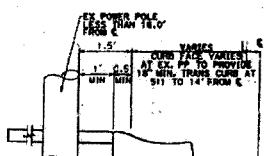
**TROTH STREET**

55+51 TO 58+81 (1)  
58+81 TO 62+62 (3)  
62+62 TO 66+81 (6)  
NTS



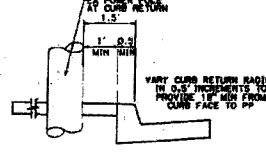
**TROTH STREET**

39+68 TO 42+58 (7)  
NTS



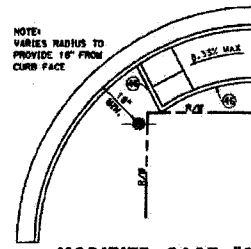
**EX POWER POLE DETAIL & PROPOSED CURB**

NTS



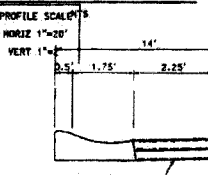
**EX POWER POLE DETAIL & CURB RETURN**

NTS



**MODIFIED CASE "B"**

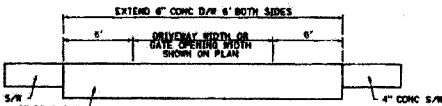
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**TYPICAL SECTION**

PAYMENT SECTION AT PROPOSED CURB

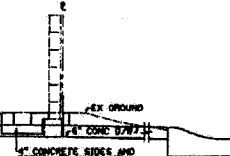
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**TYPICAL SECTION**

CONCRETE SIDEWALK AT DRIVEWAY LOCATIONS WITH ROLLED CURB

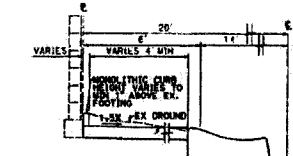
NTS



**ROLLING GATE CONSTRUCTION DETAIL**

CONSTRUCTION SLOT FOR ROLLING GATE

NTS



**TYPICAL SECTION**

MONOLITHIC CONCRETE CURB & EXISTING WALL FOOTING

NTS

**CONSTRUCTION NOTES:**

- 1 PROTECT IN PLACE
- 2 MATCH-AS-BUILD EXISTING
- 3 REMOVE TREE
- 4 NOT USED
- 5 ITEMS NOTED TO BE REMOVED PER CLEAR & GRUB SPECIAL PROVISIONS OR AS DIRECTED BY ENGINEER
- 6 NOT USED
- 7 NOT USED
- 8 NOT USED
- 9 ADJUST UTILITY BOX TO GRADE BY OWNER
- 10 RELOCATE GAS METER TO BENDING SIDEWALK BY SCO
- 11 WATER METER TO BE ADJUSTED TO GRADE OR RELOCATED BY SANTA ANA RIVER WATER COMPANY
- 12 ADJUST FIRE HYDRANT TO GRADE OR RELOCATE. SEE SPECIAL PROVISIONS
- 13 ADJUST WATER VALVE COVER TO GRADE. SEE SPECIAL PROVISIONS
- 14 ADJUST STORM DRAIN MANHOLE TO GRADE. SEE SPECIAL PROVISIONS
- 15 RELOCATE STREET SIGN AS DIRECTED BY ENGINEER
- 16 RELOCATE EXISTING IRRIGATION CLEAR OF IMPROVEMENTS, OR AS DIRECTED BY ENGINEER
- 17 RELOCATE OR INSTALL NEW MAILBOX ON "X" WOOD POST. INSPECTOR TO COORDINATE WITH PROPERTY OWNER
- 18 NOT USED
- 19 RELOCATE WROUGHT IRON FENCE AS SHOWN
- 20 RELOCATE/RECONSTRUCT CHAIN LINK FENCE WITH NEW FENCE ROCKS
- 21 RELOCATE/RECONSTRUCT CHAIN LINK GATE WITH NEW FENCE ROCKS AND ADJUST IMPROVEMENTS
- 22 RELOCATE/ADJUST ROLLING GATE
- 23 RELOCATE GATE AS SHOWN
- 24 NOT USED
- 25 GRADE SLOPE AT 5:1 MAX ADJACENT TO BACK OF PROPOSED SIDEWALK
- 26 PLACE 0.50" CLASS 2 AB
- 27 PLACE 0.37" MB
- 28 PLACE VARIABLE THICKNESS AC OVERLAY, 6" WIDTH
- 29 PLACE 5" AC DIKE PER RCTD STD NO. 212
- 30 PLACE 4" AC DRIVEWAY AS SHOWN
- 31 NOT USED
- 32 NOT USED
- 33 SAWCUT AND REMOVE EXISTING DRIVEWAY. PLACE 6" PCC DRIVEWAY AS SHOWN
- 34 CONSTRUCT TYPE A-B CONCRETE CURB AND OUTER PER RCTD STD NO. 207
- 35 CONSTRUCT TYPE C CONCRETE CURB PER RCTD STD NO. 202
- 36 CONSTRUCT CONCRETE DRIVEWAY APPROACH PER RCTD STD NO. 207
- 37 CONSTRUCT CROSS OUTER AND SPANDREL PER RCTD STD NO. 209
- 38 CONSTRUCT 2" CATCH BASIN PER RCTD STD NO. 300 WITH OUTER DEPRESSION PER RCTD STD NO. 311, CASE C
- 39 CONSTRUCT 5.5' WIDE, 6" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
- 40 CONSTRUCT 5.5' WIDE, 4" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
- 41 CONSTRUCT MONOLITHIC CONCRETE CURB ADJACENT TO BACK OF SIDEWALK OR SIDE OF DRIVEWAY. HEIGHT VARIES
- 42 CONSTRUCT CURB RAMP PER RCTD STD NO. 403, CASE A
- 43 CONSTRUCT CURB RAMP PER RCTD STD NO. 403, CASE B OR CASE C MODIFIED AS SHOWN
- 44 REMOVE EXISTING AND RECONSTRUCT CURB RAMP PER CALTRANS STD NO. 403B, CASE C
- 45 CONSTRUCT CONCRETE CURB AT BACK OF CURB RAMP. HEIGHT VARIES TO MEET EXISTING GROUND
- 46 SAWCUT
- 47 REMOVE EXISTING ASPHALT, REGRADE UNDERLYING BASE AND RECONSTRUCT TO 20%. PLACE 0.37" MB.
- 48 REMOVE EXISTING ASPHALT AND 0.5' UNDERLYING SOIL. CONSTRUCT STRUCTURAL SECTION USING 5.5' MIN OVER 48 OR 51-2.5" BENCH SHALLOW UTILITIES EXIST WITHIN THE STRUCTURAL SECTION ZONE SPECIFY TYPE OF & DEPTH OF ALL SUBGRADE PLANE BEFORE PLACING THE AGGREGATE. BACK THE SUBGRADE WITH REPAIRED & COMPACTED SOIL. FOLLOWED BY STATIC ROLLING THE SECOND ROLL THEN BE LAID FOLLOW BY THE BASE AND HEIGHT RECOMMEND TO CHECK WITH THE AFFECTED UTILITY AGENCIES ON WHAT THEIR MINIMUM SOIL COVER RECOMMENDATION.

BORDER REVISED 09/01/2013

NOTE:  
CURB TO CENTERLINE WIDTH VARIES TO PROVIDE 4" TYP, 3" MIN.  
MIN CLEARANCES AROUND EX WALL, POWER POLES & GUIDE STRIPS  
RELATIVE BORDER SCALE  
IS IN INCHES

DESIGNED BY  
APPROVED BY:

DATE: 2-19-17

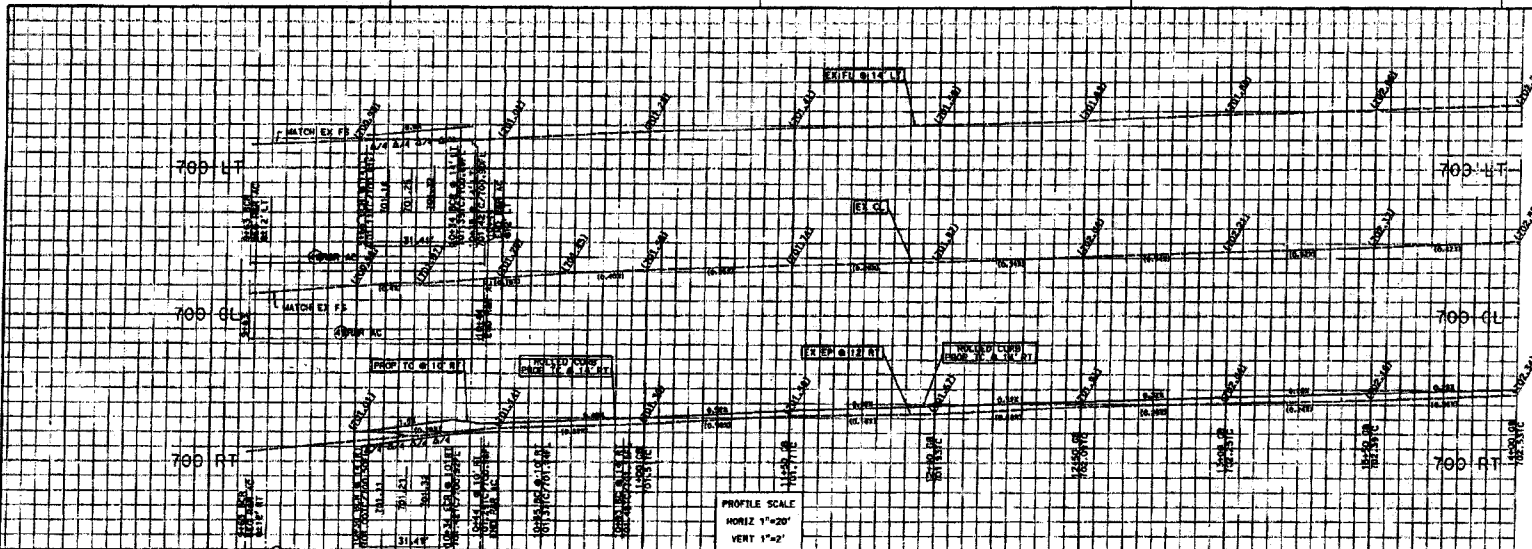
PROJECT: TROTH STREET SIDEWALK PROJECT  
COUNTY OF RIVERSIDE

TYPICAL CROSS SECTION	SHEET No.
TROTH STREET SIDEWALK PROJECT	X-1
	SHEET 2 OF 10

ISSUANCE #3786061  
DGN FILE #3-CB-0082 ON X-01 - REV-2.dgn

WO C5-0082

COUNTY FILE NO.

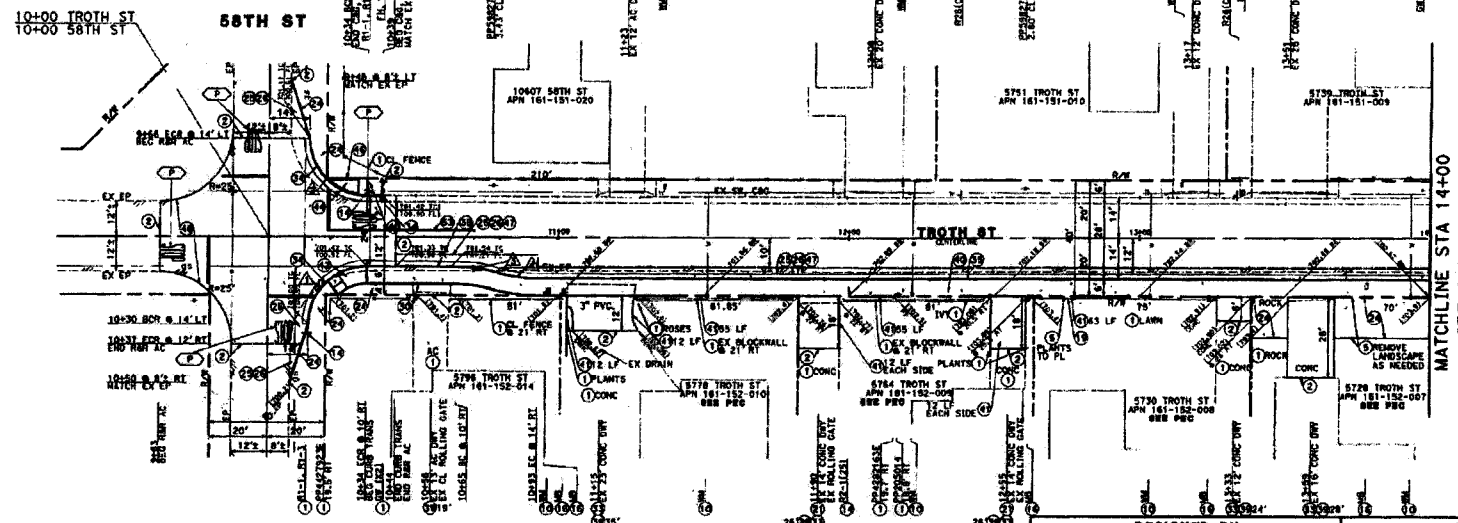


**CONSTRUCTION NOTES:**

- 1) PROTECT IN PLACE
- 2) MATCH/JOIN EXISTING
- 3) ITEMS NOTED TO BE REMOVED PER CLEAR & GRUB SPECIAL PROVISIONS OR AS DIRECTED BY ENGINEER
- 4) WATER METER TO BE ADJUST TO GRADE OR RELOCATE BY SANTA ANA RIVER WATER COMPANY
- 5) RELOCATE STREET SIGN AS DIRECTED BY ENGINEER
- 6) RELOCATED FENCE POSTS TO BE CENTERED ON MONOLITHIC CONCRETE CURB AND INSTALLED PRIOR TO SIDEWALK CONSTRUCTION.
- 7) RELOCATE/ADJUST ROLLING GATE.
- 8) GRADE SLOPE AT 5:1 MAX ADJACENT TO BACK OF PROPOSED SIDEWALK
- 9) PLACE 0.50" CLASS 2 AB
- 10) PLACE 0.33" HMA
- 11) PLACE 4" AC DRIVEWAY AS SHOWN
- 12) SAWCUT AND REMOVE EXISTING DRIVEWAY. PLACE 4" PCC DRIVEWAY AS SHOWN
- 13) CONSTRUCT TYPE A-B CONCRETE CURB AND GUTTER PER RCD STD NO. 200
- 14) CONSTRUCT TYPE C CONCRETE CURB PER RCD STD NO. 202
- 15) CONSTRUCT 5.5' WIDE 4" THICK CONCRETE SIDEWALK PER RCD STD NO. 401
- 16) CONSTRUCT 5.5' WIDE 4" THICK CONCRETE SIDEWALK PER RCD STD NO. 401
- 17) CONSTRUCT MONOLITHIC CONCRETE CURB ADJACENT TO BACK OF SIDEWALK OR SIDE OF DRIVEWAY. HEIGHT VARIES
- 18) CONSTRUCT CURB RAMP PER RCD STD NO. 403, "CASE B" OR "CASE B" MODIFIED AS SHOWN
- 19) REMOVE EXISTING AND RECONSTRUCT CURB RAMP PER CALTRANS STD NO. 488B, "CASE C"
- 20) CONSTRUCT CONCRETE CURB AT BACK OF CURB RAMP. HEIGHT VARIES TO MEET EXISTING GROUND
- 21) SAWCUT
- 22) REMOVE EXISTING ASPHALT, REGRADE UNDERLYING BASE AND RECOMPACT TO 95%. PLACE 0.33" HMA.
- 23) PAINT 50' LONG DETAIL 21 PER CALTRANS STD 422A

**LEGEND:**

- ◻ PAVEMENT MARKING

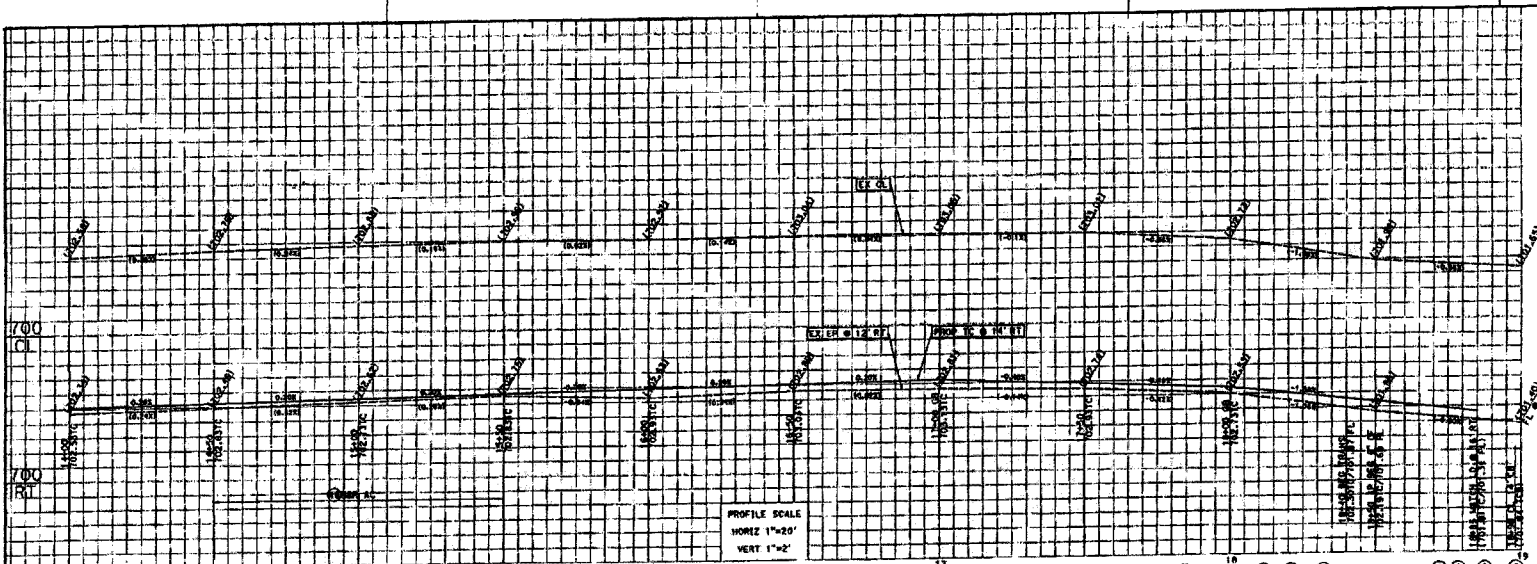


CURVE DATA				
CURVE	R	T	L	A
1	20'	20.00'	31.41'	90°00'00"
2	20'	20.00'	31.41'	90°00'00"
3	20'	1.14'	14.18'	16°18'23"
4	20'	1.14'	14.18'	16°18'23"

DESIGNED BY  
 APPROVED BY: *[Signature]*  
 MICHAEL G. ORTENGREN  
 PROJECT MANAGER  
 COUNTY OF RIVERSIDE  
 DATE

LAYOUT  
**TROTH STREET  
 SIDEWALK PROJECT**  
 STA 10+00 TO STA 14+00

SHEET No.  
**L-1**  
 SHEET 3 OF 10

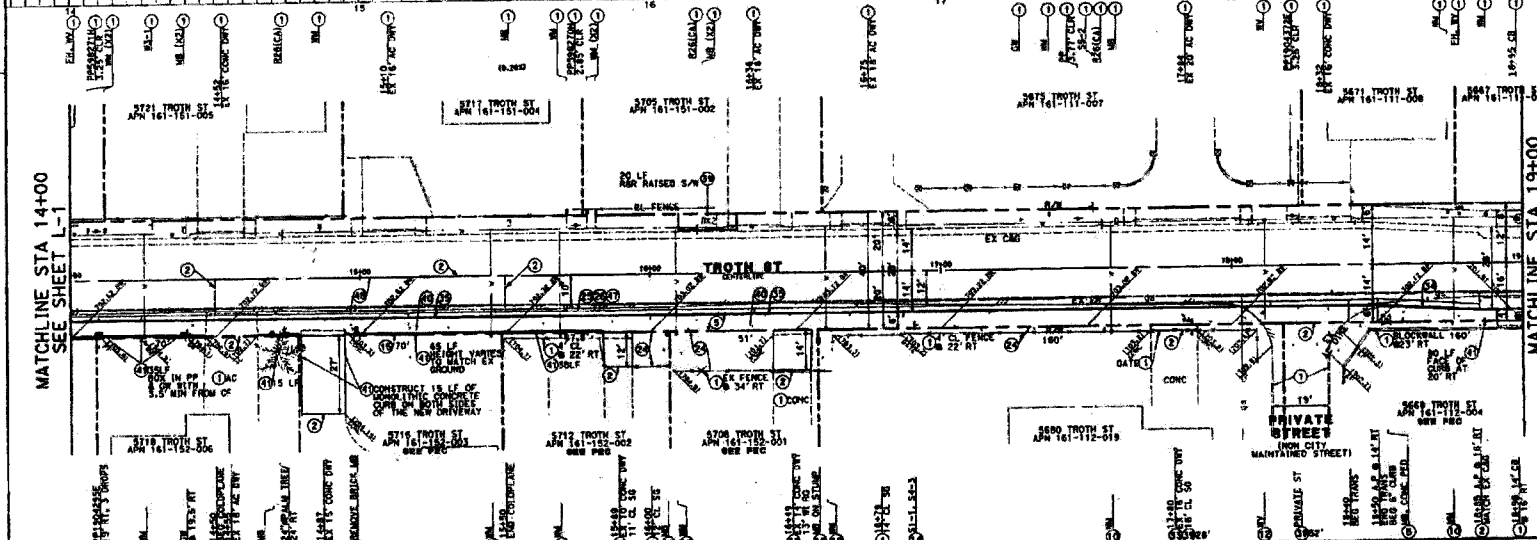


**CONSTRUCTION NOTES:**

1. PROTECT IN PLACE
2. MATCH/ADD EXISTING
3. ITEMS NOTED TO BE REMOVED PER CLEAR & GRUB SPECIAL PROVISIONS OR AS DIRECTED BY ENGINEER
4. WATER METER TO BE ADJUSTED TO GRADE OR RELOCATED BY SANTA ANA RIVER WATER COMPANY
5. ADJUST WATER VALVE COVER TO GRADE. SEE SPECIAL PROVISIONS
6. RELOCATE STREET SIGN AS DIRECTED BY ENGINEER
7. RELOCATE EXISTING IRRIGATION CLEAR OF IMPROVEMENTS, OR AS DIRECTED BY ENGINEER
8. RELOCATE OR INSTALL NEW MAILBOX ON 4"x4" WOOD POST. INSPECTOR TO COORDINATE WITH PROPERTY OWNER
9. GRADE SLOPE AT 5:1 MAX ADJACENT TO BACK OF PROPOSED SIDEWALK
10. PLACE 0.5" CLASS 2 AS
11. SAWCUT AND REMOVE EXISTING DRIVEWAY. PLACE 4" PCC DRIVEWAY AS SHOWN
12. CONSTRUCT TYPE A-C CONCRETE CURB AND GUTTER PER RCTD STD NO. 200
13. CONSTRUCT TYPE C CONCRETE CURB PER RCTD STD NO. 202
14. CONSTRUCT 5.5" WIDE, 4" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
15. CONSTRUCT 5.5" WIDE, 4" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
16. CONSTRUCT METALLIC CONCRETE CURB ADJACENT TO BACK OF SIDEWALK OR SIDE OF DRIVEWAY. HEIGHT VARIES
17. SAWCUT
18. REMOVE EXISTING ASPHALT. REGRADE UNDERLYING BASE AND RECOMPACT TO 95%. PLACE 0.5" INHA.

**LEGEND:**

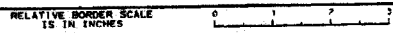
- ◻ PAVEMENT MARKING

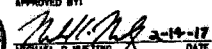



MATCHLINE STA 14+00  
SEE SHEET L-1

MATCHLINE STA 19+00  
SEE SHEET L-3

**TROTH ST**

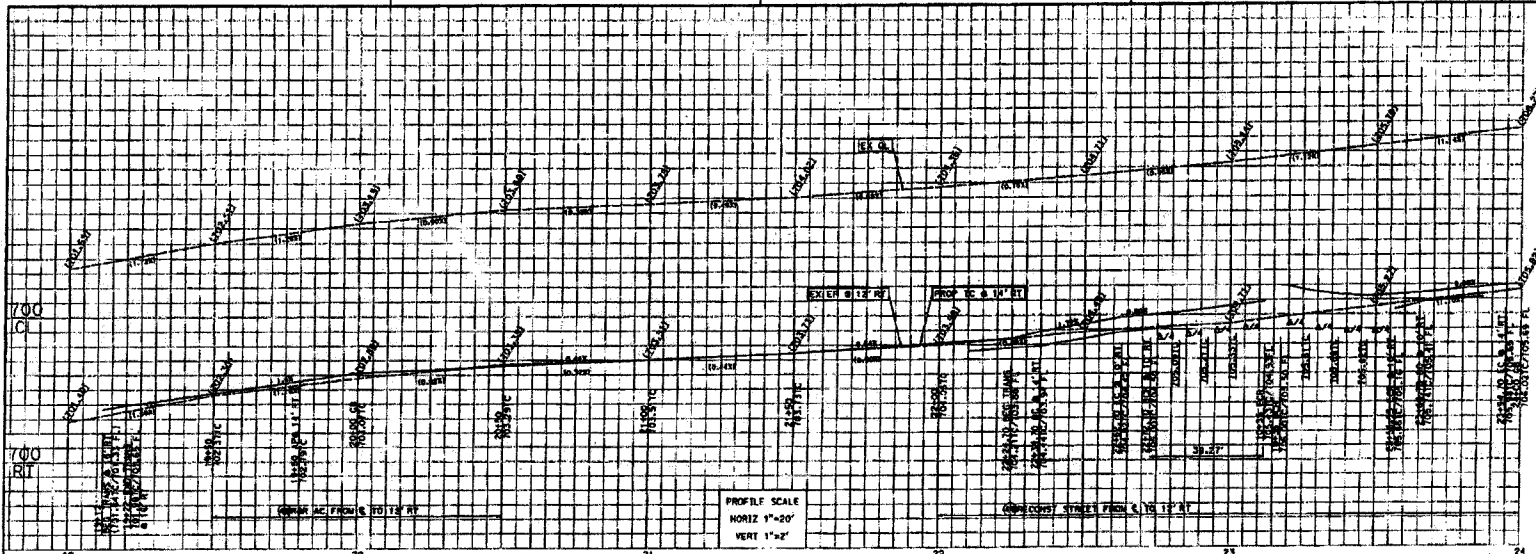


DESIGNED BY  MICHAEL O. MARLING REGISTERED PROFESSIONAL ENGINEER COUNTY OF RIVERSIDE	LAYOUT	SHEET NO. <b>L-2</b> SHEET 4 OF 10
APPROVED BY  DATE 3-19-17	<b>TROTH STREET SIDEWALK PROJECT</b> STA 14+00 TO STA 19+00	

USERNAME: g31boc11  
DGN FILE: s3-c5-0082.dwg L-02 - REV.2.dwg

NO C5-0082

COUNTY FILE NO.



**CONSTRUCTION NOTES:**

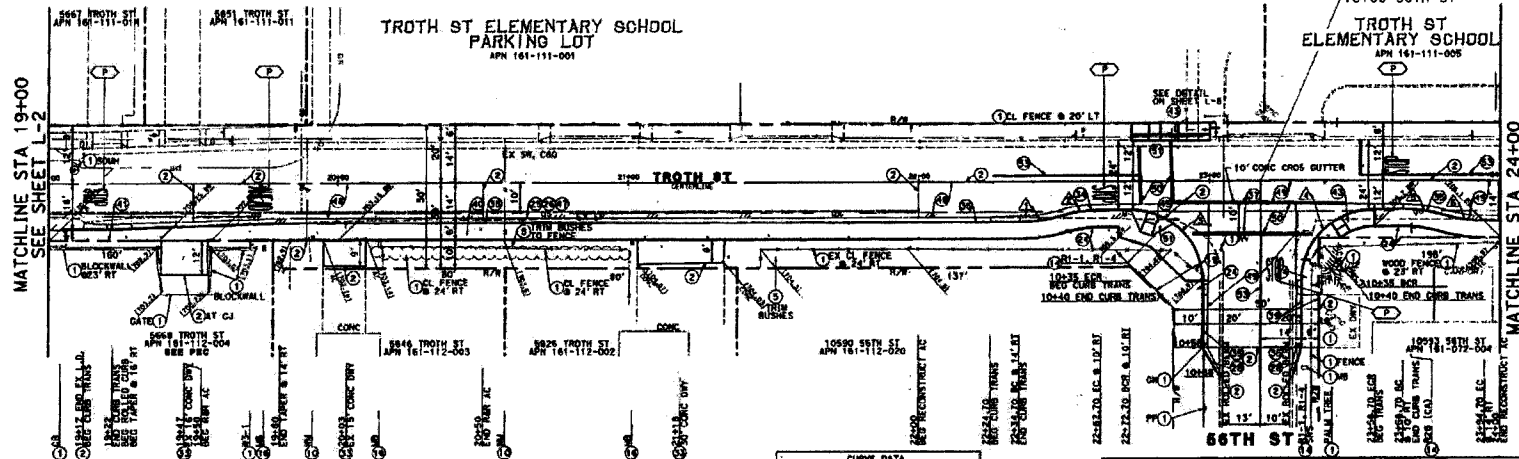
- 1 PROTECT IN PLACE
- 2 MATCH/JOIN EXISTING
- 3 ITEMS NOTED TO BE REMOVED PER CLEAR & GRUB SPECIAL PROVISIONS OR AS DIRECTED BY ENGINEER
- 4 WATER METER TO BE ADJUSTED TO GRADE OR RELOCATED BY SANTA ANA RIVER WATER COMPANY
- 5 ADJUST FIRE HYDRANT TO GRADE OR RELOCATE. SEE SPECIAL PROVISIONS
- 6 ADJUST WATER VALVE COVER TO GRADE. SEE SPECIAL PROVISIONS
- 7 RELOCATE STREET SIGN AS DIRECTED BY ENGINEER
- 8 RELOCATE OR INSTALL NEW MAILBOX ON 4"X4" ROOF POST. INSPECTOR TO COORDINATE WITH PROPERTY OWNER
- 9 RELOCATE/RECONSTRUCT CHAIN LINK FENCE WITH NEW FENCE POSTS
- 10 BRIDGE SLOPE AT 5:1 MAX ADJACENT TO BACK OF PROPOSED SIDEWALK
- 11 PLACE 0.50" CLASS 2 AS
- 12 PLACE 0.33" HMA
- 13 PLACE 6" AC DRIVE PER RCTD STD NO. 212
- 14 SAWCUT AND REMOVE EXISTING DRIVEWAY. PLACE 8" PCC DRIVEWAY AS SHOWN
- 15 CONSTRUCT TYPE A-B CONCRETE CURB AND CUTTER PER RCTD STD NO. 200
- 16 CONSTRUCT TYPE C CONCRETE CURB PER RCTD STD NO. 202
- 17 CONSTRUCT CROSS CUTTER AND SPANDREL PER RCTD STD NO. 401
- 18 CONSTRUCT 5'-8" WIDE, 6" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
- 19 CONSTRUCT 5'-8" WIDE, 4" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
- 20 CONSTRUCT MONOLITHIC CONCRETE CURB ADJACENT TO BACK OF SIDEWALK OR SIDE OF DRIVEWAY. HEIGHT VARIES
- 21 CONSTRUCT CURB RAMP PER RCTD STD NO. 403, "CASE A"
- 22 CONSTRUCT CURB RAMP PER RCTD STD NO. 403, "CASE B" OR "CASE B" MODIFIED AS SHOWN
- 23 SAWCUT
- 24 REMOVE EXISTING ASPHALT. REGRADE UNDERLYING BASE AND RECOMPACT TO 95%. PLACE 0.33" HMA.
- 25 REMOVE EXISTING ASPHALT AND 0.5' UNDERLYING SOIL. CONSTRUCT STRUCTURAL SECTION USING 0.33" HMA OVER 0.5' AS CLC 3.0. DRUM SHALL OF UTILITIES ELIIT WITHIN THE STRUCTURAL SECTION ZONE. SPECIFY THE USE OF A GEOTEXT AT THE SUBGRADE PLANE BEFORE PLACING THE AGGREGATE BASE. THE SUBGRADE WILL BE PREPARED BY SURFACING THE SOIL FOLLOWED BY STATIC ROLLING. THE GEOTEXT WILL THEN BE LAID FOLLOW BY THE BASE AND FINALLY RECOMBED TO CHECK WITH THE AFFECTED UTILITY AGENCIES ON WHAT THEIR MINIMUM SOIL COVER REQUIREMENT.
- 26 PAINT 10' WIDE YELLOW THERMOPLASTIC CROSSWALK PER CALTRANS STD A24F (BASIC)
- 27 PLACE RAPID RECTANGULAR FLASHING BEACON WITH PEDESTRIAN PUSH BUTTON
- 28 PLACE RAPID RECTANGULAR FLASHING BEACON WITH PEDESTRIAN PUSH BUTTON

**LEGEND:**

- PAVEMENT MARKING

MATCHLINE STA 19+00  
SEE SHEET L-2

MATCHLINE STA 24+00  
SEE SHEET L-4



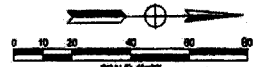
CURVE	R	T	L	Δ
1	50'	7.14'	14.19'	16°15'33"
2	50'	7.14'	14.19'	16°15'33"
3	25'	25.07'	39.27'	89°59'57"
4	25'	25.07'	39.27'	90°00'03"
5	50'	7.14'	14.19'	16°15'33"
6	50'	7.14'	14.19'	16°15'33"

**TROTH ST**

DESIGNED BY  
APPROVED BY  
*[Signature]*  
DATE: 2-17-17

LAYOUT  
**TROTH STREET  
SIDEWALK PROJECT**  
STA 19+00 TO STA 24+00

SHEET No.  
**L-3**  
5 of 10



ORDER REVISED 08/01/2015

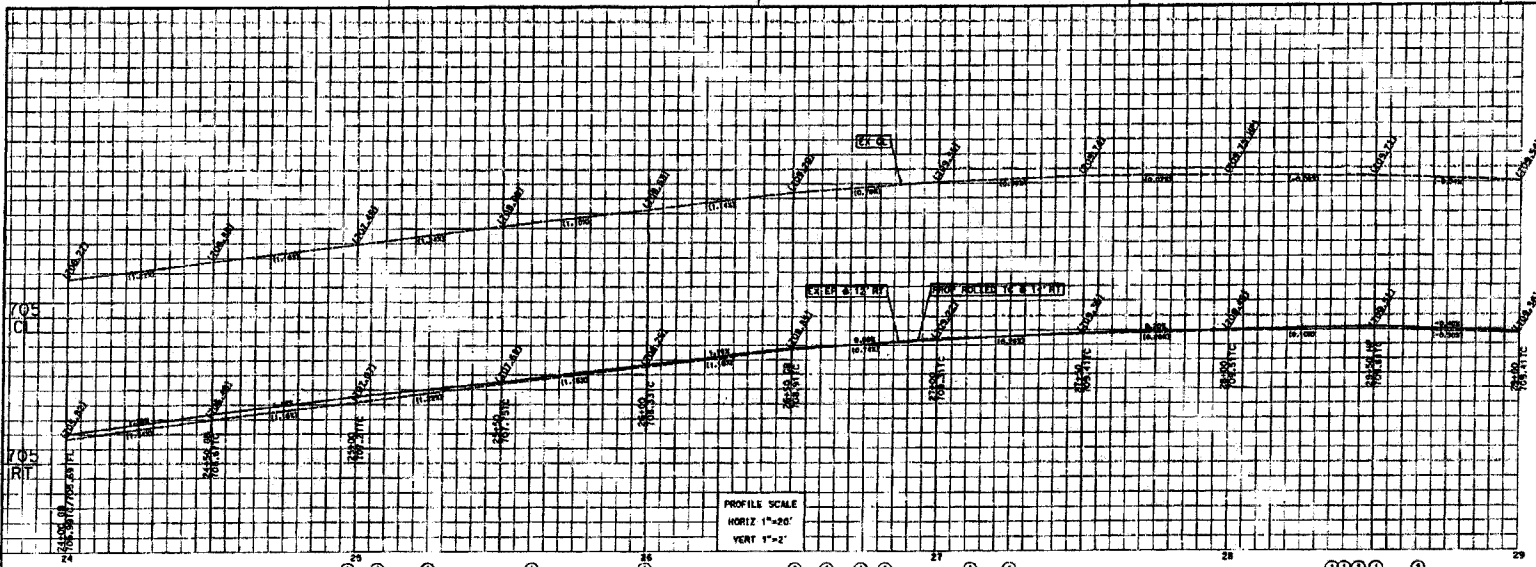
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WO CS-0082

COUNTY FILE NO.

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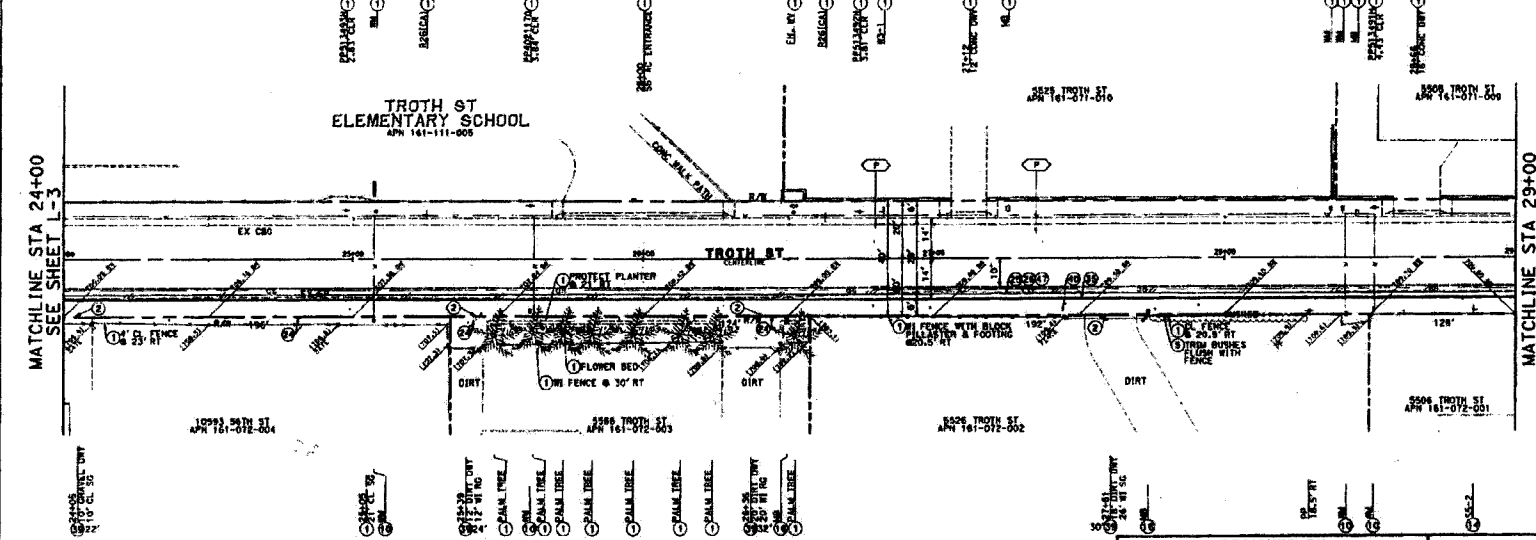


**CONSTRUCTION NOTES:**

- 1) PROTECT IN PLACE
- 2) MATCH/JOIN EXISTING
- 3) ITEMS NOTED TO BE REMOVED PER CLEAR & GRUB SPECIAL PROVISIONS OR AS DIRECTED BY ENGINEER
- 4) WATER METER TO BE ADJUSTED TO GRADE OR RELOCATED BY SANTA ANA RIVER WATER COMPANY
- 5) RELOCATE STREET SIGN AS DIRECTED BY ENGINEER
- 6) RELOCATE & INSTALL NEW MAILBOX ON 4"x4" WOOD POST. INSPECTOR TO COORDINATE WITH PROPERTY OWNER
- 7) GRADE SLOPE AT 5:1 MAX ADJACENT TO BACK OF PROPOSED SIDEWALK
- 8) PLACE 6.50' CLASS 2 AD
- 9) PLACE 0.33" MHA
- 10) CONSTRUCT TYPE C CONCRETE CURB PER RCTD STD NO. 202
- 11) CONSTRUCT 5.5' WIDE, 4" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
- 12) CONSTRUCT 5.5' WIDE, 4" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
- 13) SAWCUT

**LEGEND:**

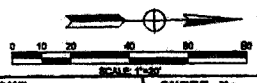
- PAVEMENT MARKING



MATCHLINE STA 24+00  
SEE SHEET L-3

MATCHLINE STA 29+00  
SEE SHEET L-5

- 1) 12" DIA. TREE
- 2) 12" DIA. TREE
- 3) 12" DIA. TREE
- 4) 12" DIA. TREE
- 5) 12" DIA. TREE
- 6) 12" DIA. TREE
- 7) 12" DIA. TREE
- 8) 12" DIA. TREE
- 9) 12" DIA. TREE
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- 92) 12" DIA. TREE
- 93) 12" DIA. TREE
- 94) 12" DIA. TREE
- 95) 12" DIA. TREE
- 96) 12" DIA. TREE
- 97) 12" DIA. TREE
- 98) 12" DIA. TREE
- 99) 12" DIA. TREE
- 100) 12" DIA. TREE



**TROTH ST**

**DESIGNED BY**

**APPROVED BY:** *Michael D. Metten* 2-14-17 DATE  
MICHAEL D. METTEN  
PROJECT MANAGER  
COUNTY OF RIVERSIDE

**LAYOUT**

**TROTH STREET  
SIDEWALK PROJECT**

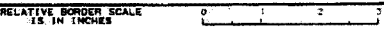
**STA 24+00 TO STA 29+00**

**SHEET No.**

**L-4**

**6 of 10**

BORDER REVISED 08/01/2013

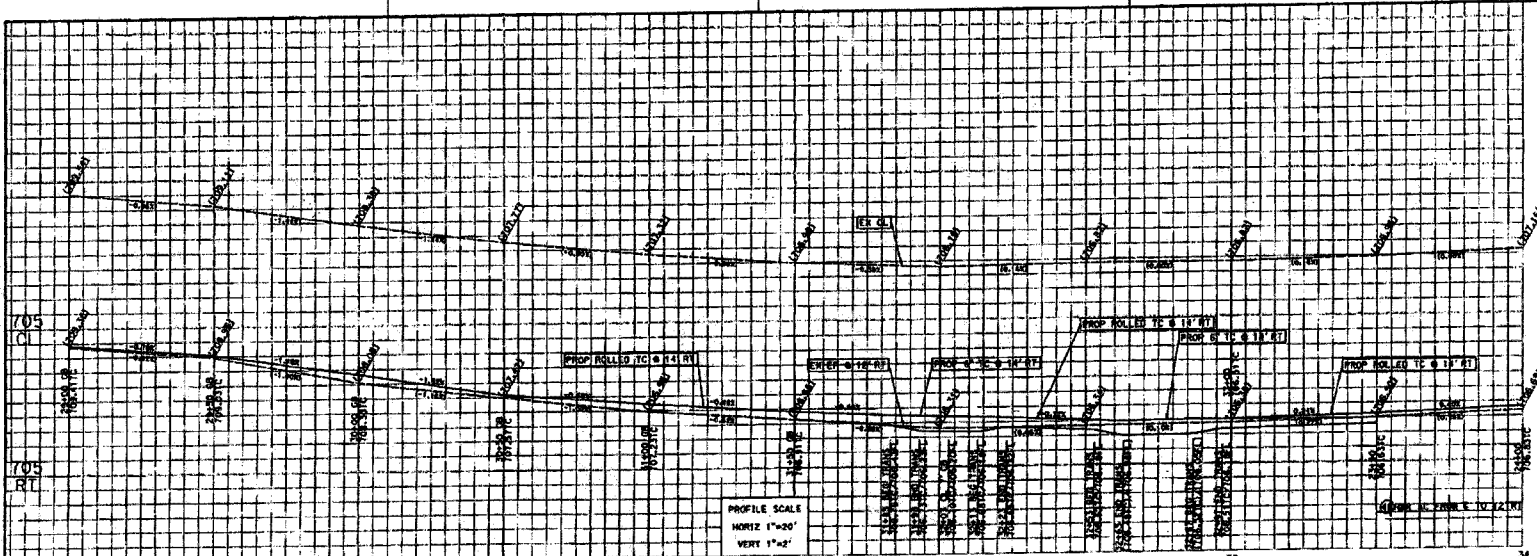


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DCN FILE: C3-0082.dwg L-04 - REV-2.0.dwg

WO C5-0082

COUNTY FILE NO.

3/22/2017 TROTH ST SIDEWALK PROJECT STA 24+00 TO STA 29+00  
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 3/22/2017 TROTH ST SIDEWALK PROJECT STA 24+00 TO STA 29+00

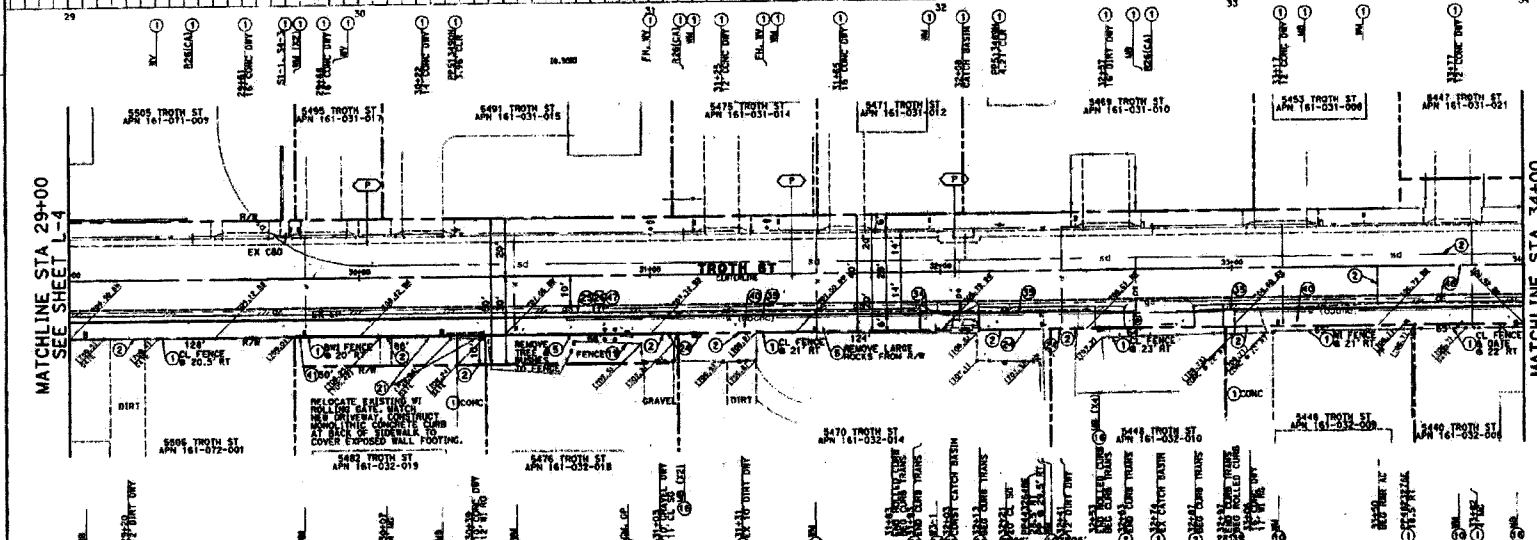


**CONSTRUCTION NOTES:**

- 1) PROTECT IN PLACE
- 2) MATCH/JOIN EXISTING
- 3) ITEMS NOTED TO BE REMOVED PER CLEAR & GRUB SPECIAL PROVISIONS OR AS DIRECTED BY ENGINEER
- 4) RELOCATE GAS METER TO BEHIND SIDEWALK BY SCC
- 5) WATER METER TO BE ADJUSTED TO GRADE OR RELOCATED BY SANTA ANA RIVER WATER COMPANY
- 6) RELOCATE STREET SIGN AS DIRECTED BY ENGINEER
- 7) RELOCATE OR INSTALL NEW MAILBOX ON 4"x4" WOOD POST. INSPECTOR TO COORDINATE WITH PROPERTY OWNER
- 8) RELOCATE/RECONSTRUCT CHAIN LINK FENCE WITH NEW FENCE POSTS
- 9) RELOCATE/ADJUST ROLLING GATE
- 10) GRADE SLOPE AT 5% MAX ADJACENT TO BACK OF PROPOSED SIDEWALK
- 11) PLACE 0.50' CLASS 2 AD
- 12) PLACE 0.37' HMA
- 13) SAWCUT AND REMOVE EXISTING DRIVEWAY. PLACE 6" FOC DRIVEWAY AS SHOWN
- 14) CONSTRUCT TYPE A-S CONCRETE CURB AND UTTER PER RCTD STD NO. 200
- 15) CONSTRUCT TYPE C CONCRETE CURB PER RCTD STD NO. 202
- 16) CONSTRUCT 7" CATCH BASIN PER RCTD STD NO. 300 WITH UTTER DEPRESSION PER RCTD STD NO. 311, CASE C
- 17) CONSTRUCT 5.5' WIDE, 6" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
- 18) CONSTRUCT 3.5' WIDE, 4" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
- 19) CONSTRUCT MONOLITHIC CONCRETE CURB ADJACENT TO BACK OF SIDEWALK OR SIDE OF DRIVEWAY. HEIGHT VARIES
- 20) SAWCUT
- 21) REMOVE EXISTING ASPHALT, REGRADE UNDERLYING BASE AND RECOMPACT TO 95%. REPAVE 0.35' HMA.

**LEGEND:**

- (P) PAVEMENT MARKING



MATCHLINE STA 29+00  
SEE SHEET L-4

MATCHLINE STA 34+00  
SEE SHEET L-6

**TROTH ST**

RELATIVE BORDER SCALE  
1/8" IN INCHES

DESIGNED BY  
APPROVED BY: *[Signature]*  
MICHAEL O. WELSH  
PROJECT MANAGER  
COUNTY OF RIVERSIDE  
DATE

LAYOUT  
**TROTH STREET  
SIDEWALK PROJECT**  
STA 29+00 TO STA 34+00

SHEET No.  
**L-5**  
PAGE 7 OF 10

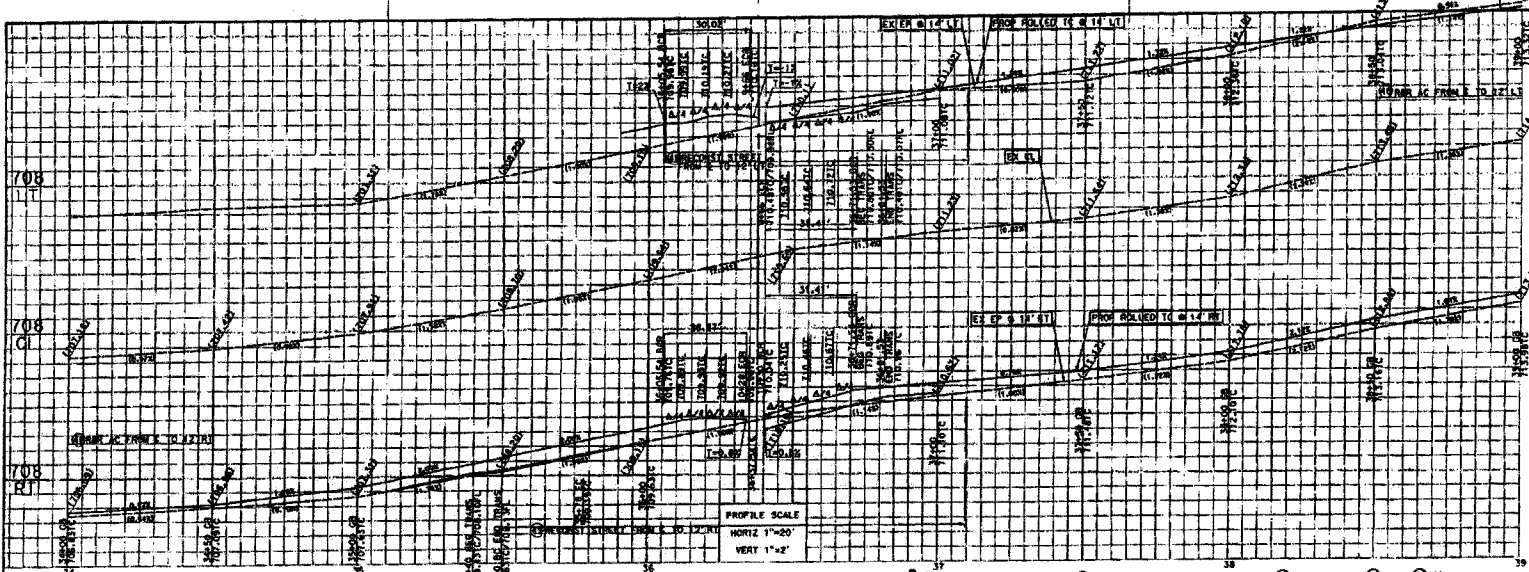
BORDER REVISED 08/01/2013

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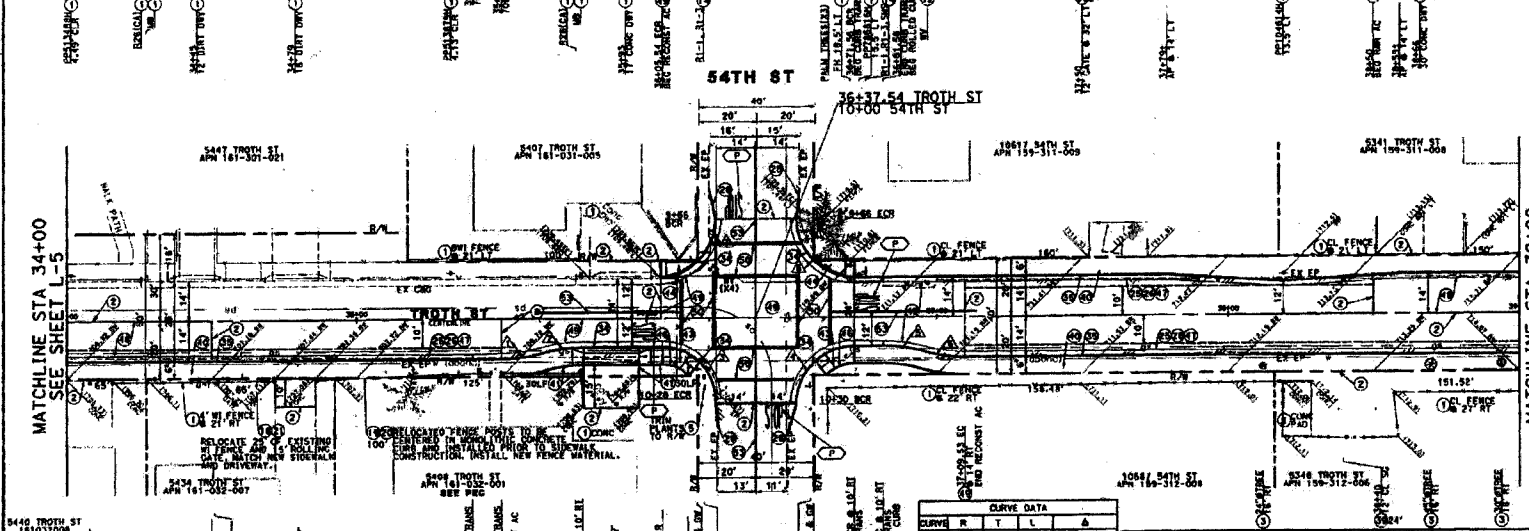
WO C5-0082

COUNTY  
FILE NO.

DATE PLOTTED: 08/01/2013 10:51:15 AM



- CONSTRUCTION NOTES:**
- 1 PROTECT IN PLACE
  - 2 MATCH/JOIN EXISTING
  - 3 REMOVE TREE
  - 4 ITEMS NOTED TO BE REMOVED PER CLEAR & GRUB SPECIAL PROVISIONS OR AS DIRECTED BY ENGINEER
  - 5 WATER METER TO BE ADJUSTED TO GRADE OR RELOCATED BY SANTA ANA RIVER WATER COMPANY
  - 6 ADJUST WATER VALVE COVER TO GRADE. SEE SPECIAL PROVISIONS
  - 7 RELOCATE STREET SIGN AS DIRECTED BY ENGINEER
  - 8 RELOCATE OR INSTALL NEW MAILBOX ON 4"X4" WOOD POST. INSPECTOR TO COORDINATE WITH PROPERTY OWNER
  - 9 RELOCATE MOUNTAIN IRON FENCE AS SHOWN
  - 10 RELOCATE/RECONSTRUCT CHAIN LINK FENCE WITH NEW FENCE POSTS
  - 11 RELOCATE/RECONSTRUCT CHAIN LINK GATE WITH NEW FENCE POSTS TO MATCH IMPROVEMENTS
  - 12 RELOCATE/ADJUST ROLLING GATE
  - 13 PLACE 0.50' CLASS 2 AB
  - 14 PLACE 0.33' HVA
  - 15 PLACE 6" AC OTKE PER RCTD STD NO. 212
  - 16 SARCUT AND REMOVE EXISTING DRIVEWAY. PLACE 6" PCC DRIVEWAY AS SHOWN
  - 17 CONSTRUCT TYPE A-B CONCRETE CURB AND CUTTER PER RCTD STD NO. 209
  - 18 CONSTRUCT TYPE C CONCRETE CURB PER RCTD STD NO. 202
  - 19 CONSTRUCT CONCRETE DRIVEWAY APPROACH PER RCTD STD NO. 207
  - 20 CONSTRUCT 3.5' WIDE 6" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
  - 21 CONSTRUCT 3.5' WIDE 4" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
  - 22 CONSTRUCT MONOLITHIC CONCRETE CURB ADJACENT TO BACK OF SIDEWALK ON SIDE OF DRIVEWAY. HEIGHT VARIES
  - 23 CONSTRUCT CURB RAMP PER RCTD STD NO. 403. "CASE B" OR "CASE C" MODIFIED AS SHOWN
  - 24 REMOVE EXISTING AND RECONSTRUCT CURB RAMP PER CALTRANS STD NO. 488B, "CASE C"
  - 25 CONSTRUCT CONCRETE CURB AT BACK OF CURB RAMP. HEIGHT VARIES TO MEET EXISTING GROUND
  - 26 SARCUT
  - 27 REMOVE EXISTING ASPHALT. REGRADE UNDERLYING BASE AND COMPACT TO 95%. PLACE 0.35 HVA.
  - 28 REMOVE EXISTING ASPHALT AND 0.5' UNDERLYING SOIL. CONSTRUCT STRUCTURAL SECTION USING 0.35 HVA OVER 0.50' AB CL-2. WHERE SHALLOW UTILITIES EXIST WITHIN THE STRUCTURAL SECTION ZONE, SPECIFY THE USE OF A GEGRID AT THE SUPERPAVE PLACEMENT THE APPROPRIATE BASE. THE SUPERPAVE WILL BE PREPARED BY SAMPLING THE SOIL, FOLLOWED BY STATIC ROLLING. THE GEGRID WILL THEN BE LAID FOLLOW BY THE USER AND SOIL FIRMNESS TO CHECK WITH THE AFFECTED AGENCIES ON WHAT THEIR MINIMUM SOIL COVER REQUIREMENT.
  - 29 PAINT 10" WIDE YELLOW THERMOPLASTIC CROSSWALK PER CALTRANS STD 424E (BASIC)
  - 30 PAINT 30" LONG DETAIL 21 PER CALTRANS STD 420A



- LEGEND:**
- PAYMENT MARKING
- SCALE 1"=20'

**CURVE DATA**

CURVE	R	T	L	Δ
▲	30'	7.14'	14.19'	18°16'33"
▲	60'	7.14'	14.19'	18°16'33"
▲	18'	18'	28.27'	89°59'40"
▲	20'	19.99'	31.41'	89°59'26"
▲	80'	7.14'	14.19'	18°16'33"
▲	90'	7.14'	14.19'	18°16'33"
▲	20'	18.85'	30.02'	89°59'23"
▲	20'	20.02'	31.41'	90°02'42"

DESIGNED BY

APPROVED BY: *[Signature]*

DATE

SEAL: CIVIL ENGINEER, STATE OF CALIFORNIA, COUNTY OF RIVERSIDE

LAYOUT

**TROTH STREET SIDEWALK PROJECT**

STA 34+00 TO STA 39+00

SHEET 8 of 10

SHEET NO. **L-6**

WO C-0082

COUNTY FILE NO.

**TROTH ST**

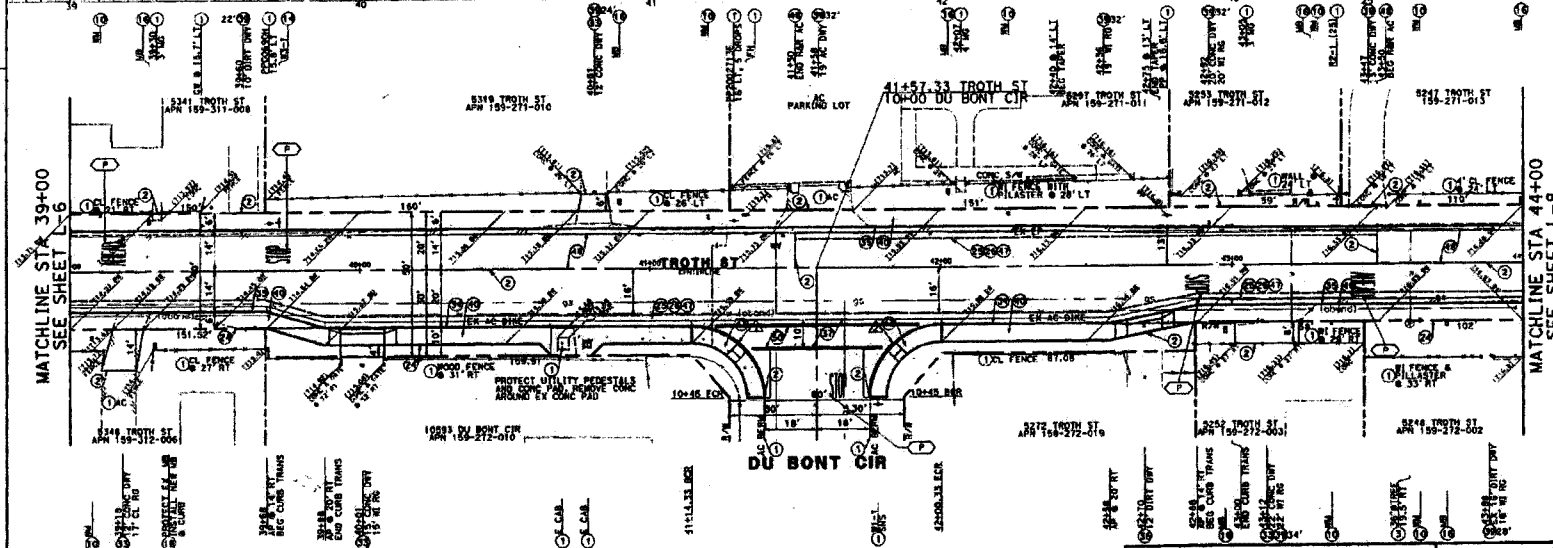
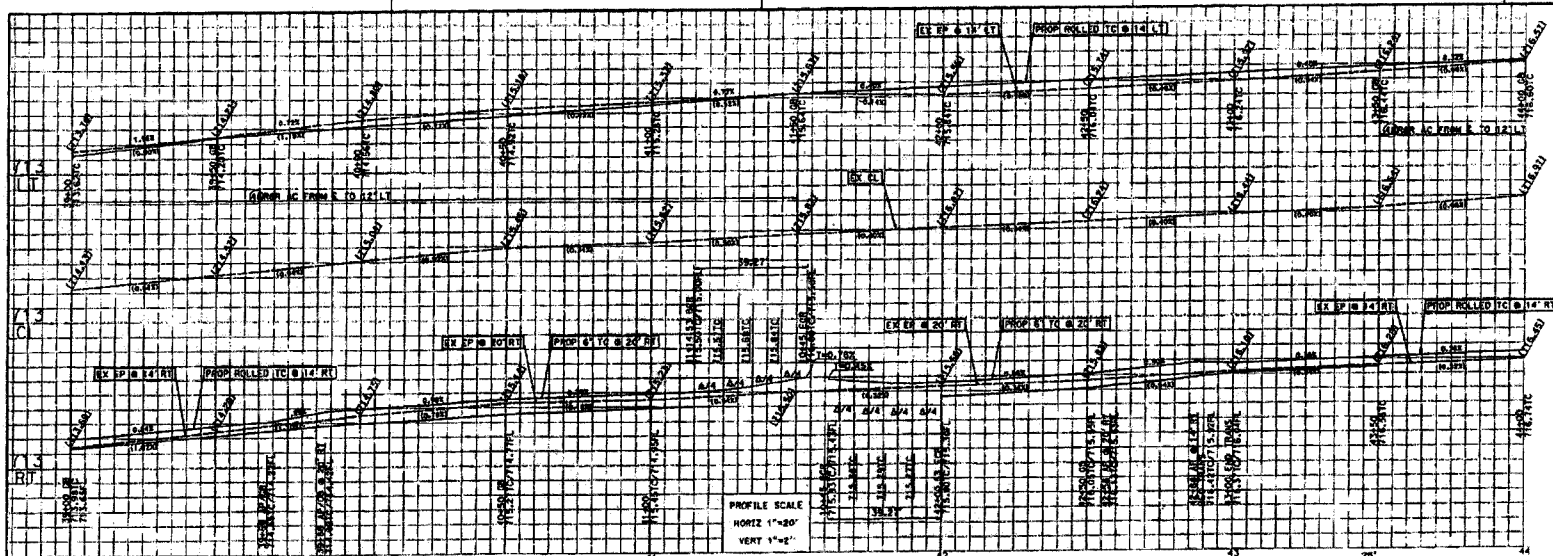
RELATIVE BORDER SCALE 15 IN INCHES

DATE: 05/01/2013

USER: JAE -> JAE001

SOV FILE -> C:\JAE\006 60 L-06 - REV-2.dwg





- CONSTRUCTION NOTES:**
- ① PROTECT IN PLACE
  - ② MATCH/JOIN EXISTING
  - ③ REMOVE TREE
  - ④ WATER METER TO BE ADJUSTED TO GRADE OR RELOCATED BY SANTA ANA RIVER WATER COMPANY
  - ⑤ RELOCATE STREET SIGN AS DIRECTED BY ENGINEER
  - ⑥ REMOVE OR INSTALL NEW MAILBOX ON 4"x4" WOOD POST. INSPECTOR TO COORDINATE WITH PROPERTY OWNER
  - ⑦ GRADE SLOPE AT 511 MAX ADJACENT TO BACK OF PROPOSED SIDEWALK
  - ⑧ PLACE 0.50' CLASS 2 AB
  - ⑨ PLACE 0.35" INPA
  - ⑩ SAWCUT AND REMOVE EXISTING DRIVEWAY. PLACE 8" PCC DRIVEWAY AS SHOWN
  - ⑪ CONSTRUCT TYPE A-B CONCRETE CURB AND OUTER PER RCTD STD NO. 200
  - ⑫ CONSTRUCT TYPE C CONCRETE CURB PER RCTD STD NO. 202
  - ⑬ CONSTRUCT CONCRETE DRIVEWAY APPROACH PER RCTD STD NO. 207
  - ⑭ CONSTRUCT CONCRETE DRIVEWAY PER RCTD STD NO. 209
  - ⑮ CONSTRUCT CROSS OUTER AND SPANREL PER RCTD STD NO. 209
  - ⑯ CONSTRUCT 5.5' WIDE, 4" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
  - ⑰ CONSTRUCT 5.5' WIDE, 4" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
  - ⑱ CONSTRUCT CURB RAMP PER RCTD STD NO. 403, CASE B OR CASE B' MODIFIED AS SHOWN
  - ⑲ SAWCUT
  - ⑳ REMOVE EXISTING ASPHALT, REGRADE UNDERLYING BASE AND RECOMPACT TO 95%. PLACE 0.50' INPA.
  - ㉑ PAINT 10" WIDE YELLOW THERMOPLASTIC CROSSWALK PER CALTRANS STD 242F (BASIC)

**LEGEND:**

- Ⓜ PAVEMENT MARKING



**TROTH ST**

CURVE DATA					
CURVE	R	T	L	A	Δ
Δ	25'	28'	30.77'	90°00'00"	90°00'00"
Δ	25'	28'	30.27'	90°00'00"	90°00'00"

DESIGNED BY

APPROVED BY: *[Signature]*

PROJECT MANAGER: MICHAEL G. HESTING

COUNTY OF RIVERSIDE

LAYOUT

**TROTH STREET SIDEWALK PROJECT**

STA 39+00 TO STA 44+00

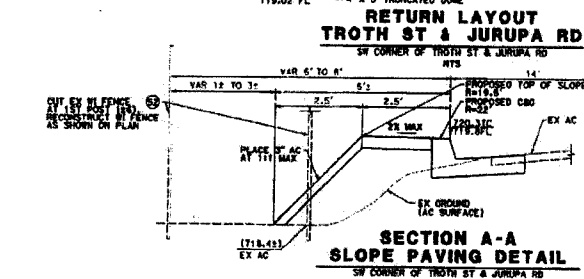
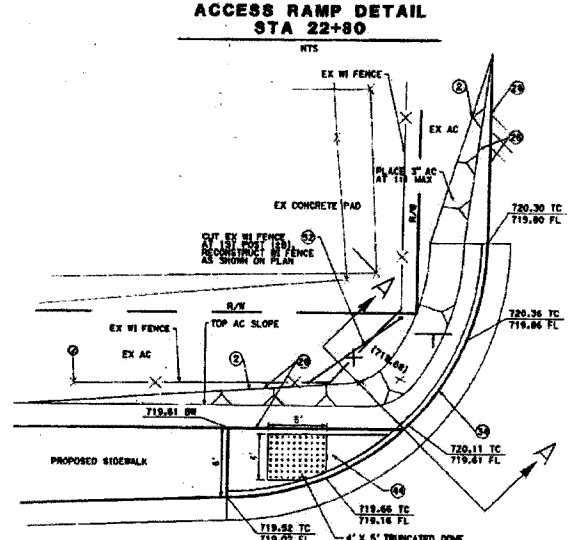
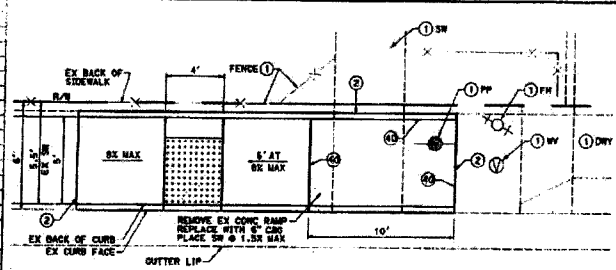
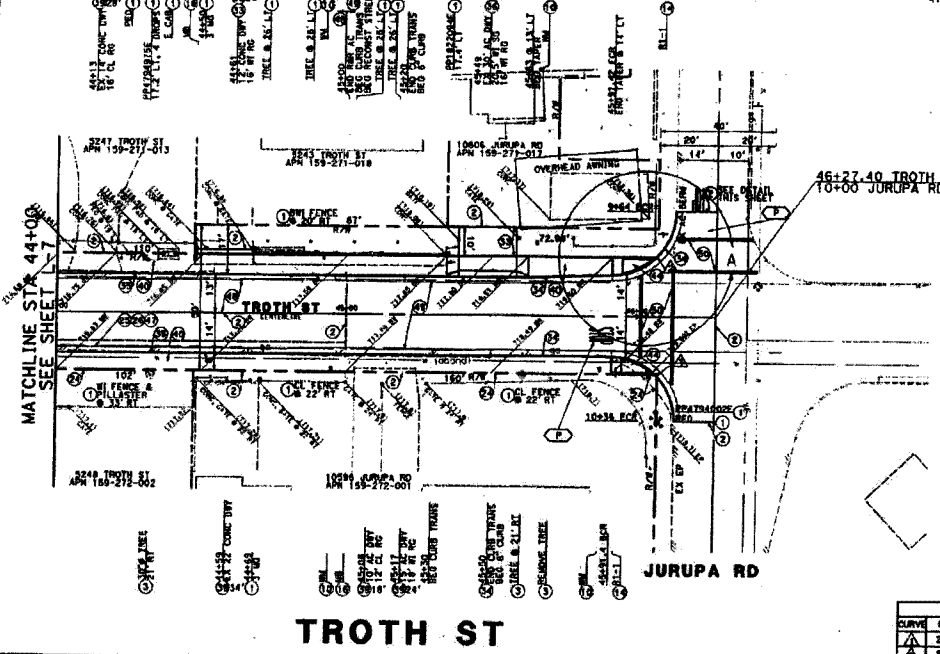
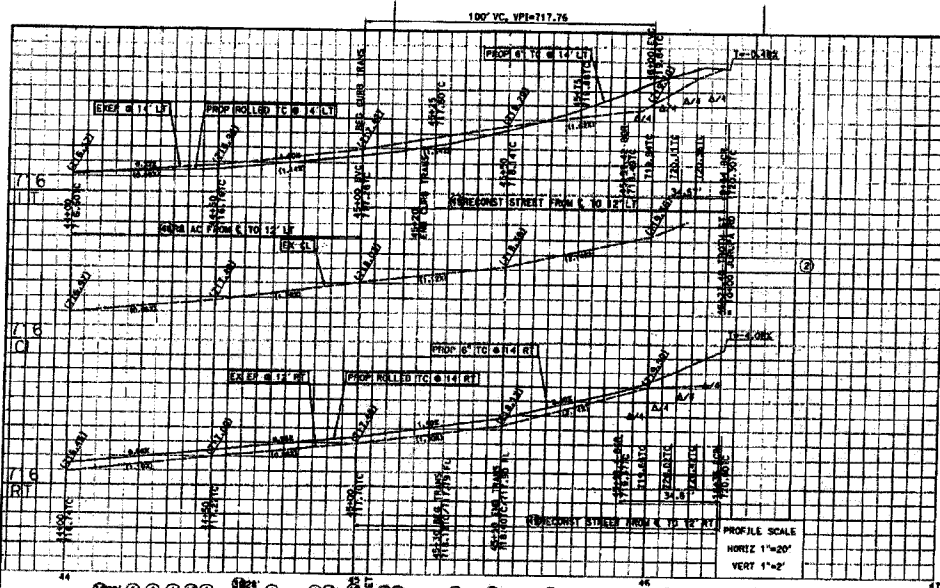
SHEET 9 of 10

RELATIVE BORDER SCALE IS 1/8 INCHES

LAST NUMBER IS PROJECT FILE NO. L-02 150-272-001

NO C5-0082

COUNTY FILE NO.



- CONSTRUCTION NOTES:**
- PROTECT IN PLACE
  - MATCH/JOIN EXISTING
  - REMOVE TREE
  - WATER METER TO BE ADJUSTED TO GRADE OR RELOCATED BY SANTA ANA RIVER WATER COMPANY
  - RELOCATE OR INSTALL NEW MAILBOX ON 4"X4" WOOD POST, INSPECTOR TO COORDINATE WITH PROPERTY OWNER
  - CONCRETE SLOPE AT 5:1 MAX ADJACENT TO BACK OF PROPOSED SIDEWALK
  - PLACE 0.50" CLASS 2 AB
  - PLACE 0.33" SMA
  - PLACE 6" AC DIKE PER RCTD STD NO. 212
  - SAWCUT AND REMOVE EXISTING DRIVEWAY. PLACE 4" PCC DRIVEWAY AS SHOWN PER RCTD STD NO. 500
  - CONSTRUCT TYPE C CONCRETE CURB PER RCTD STD NO. 202
  - CONSTRUCT CONCRETE DRIVEWAY APPROACH PER RCTD STD NO. 207
  - CONSTRUCT 5.5' WIDE, 6" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
  - CONSTRUCT 5.5' WIDE, 4" THICK CONCRETE SIDEWALK PER RCTD STD NO. 401
  - REMOVE EXISTING AND RECONSTRUCT CURB RAMP PER CALTRANS STD NO. 888B, "CASE C"
  - SAWCUT
  - REMOVE EXISTING ASPHALT, REGRADE UNDERLYING BASE AND RECOMPACT TO 95%. PLACE 0.33" SMA.
  - REMOVE EXISTING ASPHALT AND 0.5" UNDERLYING SOIL. CONSTRUCT STRUCTURAL SECTION USING 0.33" SMA OVER 0.50" AS CL-2. WHERE SHALLOW UTILITIES EXIST WITHIN THE STRUCTURAL SECTION ZONE, VERIFY THE USE OF A RECORD AT THE SUBGRADE PLANE BEFORE PLACING THE ADORETE BASE. THE SUBGRADE WILL BE PREPARED BY DAMPENING THE SOIL FOLLOWED BY STATIC ROLLING. THE SECOND ROLL WILL BE LAID FOLLOW BY THE BASE AND AC. HIGHLY RECOMMENDED TO CHECK WITH THE AFFECTED UTILITY AGENCIES ON WHAT THEIR MINIMUM SOIL COVER REQUIREMENT.
  - PAINT 10" WIDE YELLOW THERMOPLASTIC CROSSWALK PER CALTRANS STD 124P (BASEC)
  - RELOCATE EXISTING IRON FENCE AS SHOWN. CUT FENCE AT NEAREST POST TO CORNER POST. RELOCATE CORNER POST ONLY. CONTRACTOR TO COORDINATE WORK WITH PROPERTY OWNER.

**LEGEND:**

PAVEMENT MARKING

DESIGNED BY APPROVED BY <i>M. J. H. H.</i> MICHAEL J. HARTING PROJECT MANAGER COUNTY OF RIVERSIDE	LAYOUT	SHEET No. <b>L-8</b> SHEET 10 OF 10
TROTH STREET SIDEWALK PROJECT STA 44+00 TO STA 47+00		RD C5-0082
APPROVED BY: [Signature]		COUNTY FILE No.

**CURVE DATA**

CURVE	R	T	L	Δ
1	22'	22'	34.57'	90°00'00"
2	22'	22'	34.57'	90°00'00"

BORDER REVISED 08/01/2013

RELATIVE BORDER SCALE  
15 INCHES

11/23/2009 10:27 AM 2009/11/23 10:27 AM 2009/11/23 10:27 AM 2009/11/23 10:27 AM