

**ADDENDUM NO. 1  
SANTA ANA RIVER FLOOD WALL REMEDIATION  
WORK ORDER: F02613  
AREA: Colton & San Bernardino**

**BIDS OPEN 10:00 AM, TUESDAY, NOVEMBER 5, 2019**

**By Email via ePro System or Facsimile and Regular Mail with Telephone Confirmation (Paper Plan Holders)**

**Amend the Construction Drawings as follows:**

1. Sheet 3 of 11 (Drawing No. P-2): Delete and replace with attached Sheet 3A of 11; added additional bollard removals.
2. Sheet 4 of 11 (Drawing No. P-2): Delete and replace with attached Sheet 4A of 11; revised fence limits in plan view and added additional bollard removals.
3. Sheet 5 of 11 (Drawing No. P-3): Delete and replace with attached Sheet 5A of 11; revised limits of existing concrete pavement and asphalt pavement, added additional tree and bollard removal.
4. Sheet 6 of 11 (Drawing No. P-3): Delete and replace with attached Sheet 6A of 11; added additional sign relocation.
5. Sheet 7 of 11 (Drawing No. D-1): Delete and replace with attached Sheet 7A of 11; revised limits of sections, added new typical section.
6. Sheet 8 of 11 (Drawing No. D-2): Delete and replace with attached Sheet 8A of 11; revised label of Typical Flood Wall to Typical Parapet Wall for clarity.

**Amend the Special Provisions as follows:**

7. **Bid Proposal Package (Loose Insert), replace the following pages:**

Replace page P-3 with attached Addendum 1, P-3. **This page shall be used for bidding purposes.**

The addition of these requirements shall be considered in concert with existing documents in preparation of bids. **THE BIDDER'S CERTIFICATION FOR THIS ADDENDUM NO. 1 SHALL BE SIGNED BY THE SAME PERSON WHO SIGNS THE PROPOSAL AND SHALL BE SUBMITTED WITH THE PROPOSAL. ANY proposal not accompanied by a signed BIDDER'S CERTIFICATION (below) acknowledging receipt of this Addendum No. 1 will NOT be accepted.**

**KEVIN BLAKESLEE, PE**, Director  
Department of Public Works  
By:



Mohammad Ali, P.E., Chief  
Contracts Division

MA:LW:mb  
Attachment: as noted

**BIDDER'S CERTIFICATION**

**By my signature hereunder, I acknowledge receipt of Addendum No. 1 and I fully understand the intent and detail of Addendum No. 1, which I have considered in my preparation of the attached proposal.**

\_\_\_\_\_  
Bidder's Signature

\_\_\_\_\_  
Date

**Note: The page containing the executed BIDDER'S CERTIFICATION (just this page), must be included with the proposal.**

Project: Santa Ana River Floodwall Remediation

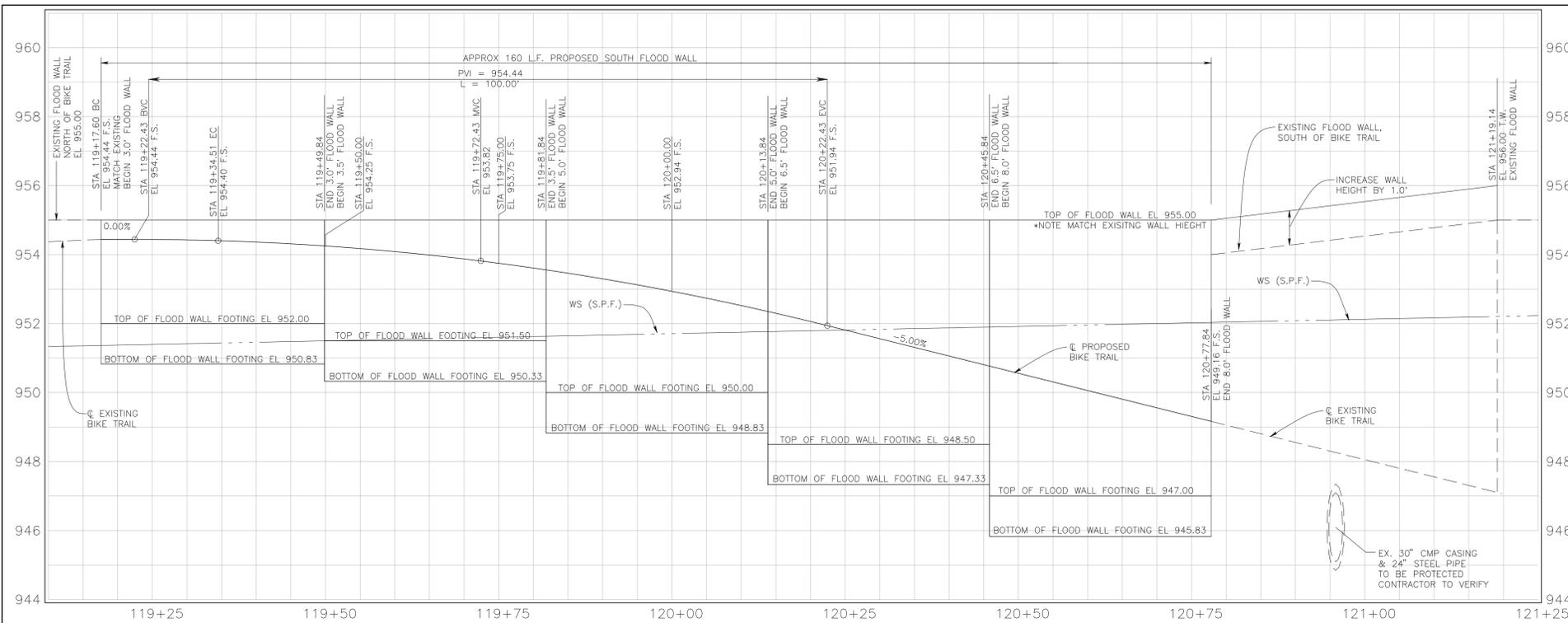
W.O.#: F02613

Limits: South Levee @ S.P.R.R. and @ "E" Street

Item No.	Approx. Quant.	Meas. Unit	Item Description	Unit Price	Total
1	1	L.S.	Job Site Management	\$	\$
2	1	L.S.	Mobilization	\$	\$
3	1	L.S.	Develop Water & Power Supply	\$	\$
4	1	L.S.	Construction Protection, Diversion & Control of Water	\$	\$
5	1	L.S.	Trench Excavation Safety / Shoring	\$	\$
6	1	L.S.	Traffic Control System	\$	\$
7	1	L.S.	Clearing & Grubbing	\$	\$
8	1	L.S.	On-Site Environmental Mitigation	\$	\$
9	1	L.S.	Locate and Protect Existing Utilities	\$	\$
10	240	L.F.	Remove Existing Chain Link Fence	\$	\$
11	600	S.Y.	Remove Existing Concrete Pavement & Slope Protection	\$	\$
12	1,160	S.Y.	Remove Existing Asphalt Concrete Pavement	\$	\$
13	725	C.Y.	Structure Excavation	\$	\$
14	2,000	C.Y.	Wall Backfill & Embankment	\$	\$
15	1,275	C.Y.	Import Borrow	\$	\$
16	28	C.Y.	Class 1 Concrete - Reinforced Concrete Parapet Wall	\$	\$
17	390	C.Y.	Class 1 Concrete - Reinforced Concrete Flood Wall and Flood Wall Extension	\$	\$
18	434	C.Y.	Class 1 Concrete - Reinforced Concrete Pavement	\$	\$
19	83	C.Y.	Class 1 Concrete - Reinforced Concrete Slope Protection	\$	\$
20	8	C.Y.	Class 1 Concrete - Cross-gutter & Down Chute	\$	\$
21	45	C.Y.	Class 1 Concrete - Cut Off Walls for Pavement and Slopes	\$	\$
22	445	L.F.	Install Chain Link Fence- R/W (Type CL-6)	\$	\$
23	1	L.S.	Paint 4" Traffic Stripe & Pavement Markings	\$	\$
24	4	EA.	Remove & Dispose Trees and Stumps	\$	\$
25	10	EA.	Relocate Signs	\$	\$
26	1	EA.	Relocate Pipe Gate	\$	\$
27	2	EA.	Install Pipe Gate (L=12' & L=14')	\$	\$
28	5	EA.	Remove & Salvage Bollards	\$	\$
29	1	EA.	Adjust Gate to Grade	\$	\$

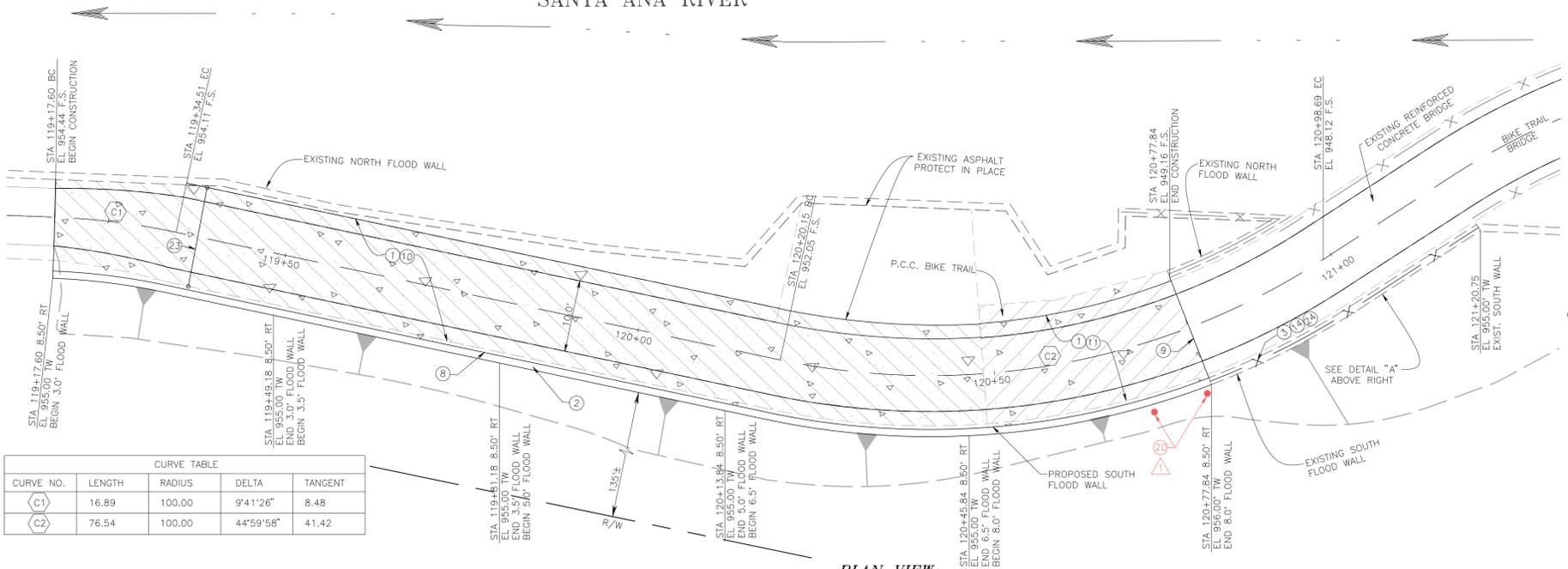
**PROJECT TOTAL: \$**

S:\02613 - Santa Ana River Floodwall Repair\Active\FINAL DESIGN\Santa Ana River Floodwall Repair - (Redesign).Oct 2018 with Revisions.pro



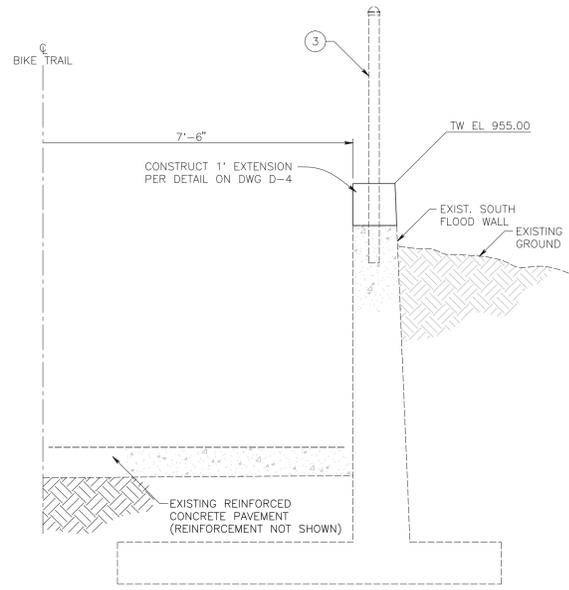
**PROFILE VIEW**  
HORIZONTAL SCALE 1" = 10'  
VERTICAL SCALE 1" = 2'

**SANTA ANA RIVER**

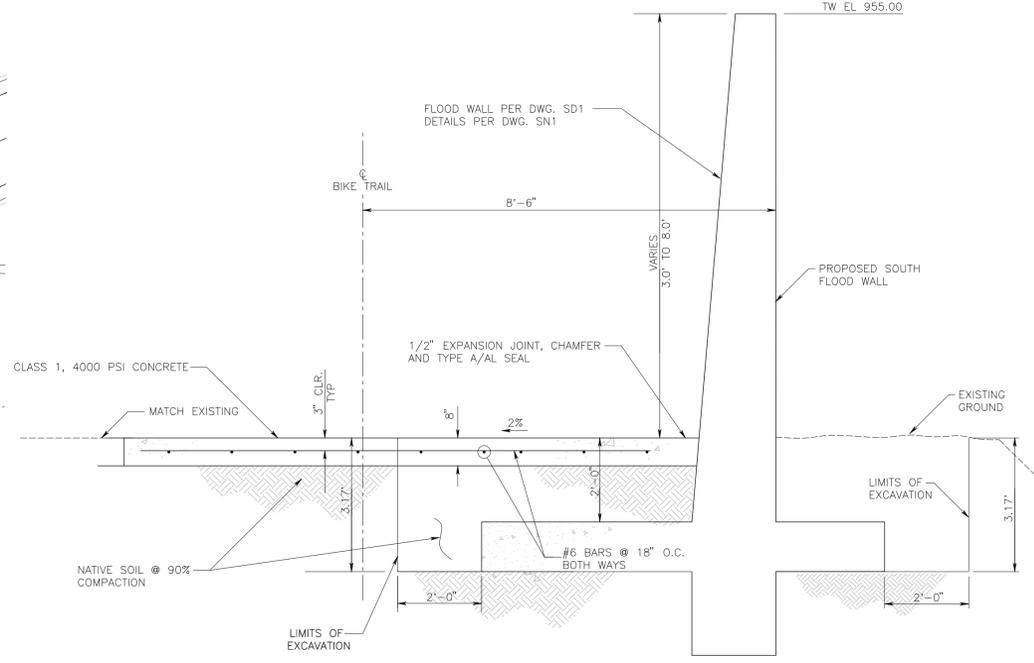


CURVE TABLE				
CURVE NO.	LENGTH	RADIUS	DELTA	TANGENT
C1	16.89	100.00	9°41'26"	8.48
C2	76.54	100.00	44°59'58"	41.42

**PLAN VIEW**  
SCALE 1" = 10'



**DETAIL "A"**  
1" = 2'



**TYPICAL FLOOD WALL**  
NTS

**CONSTRUCTION NOTES:**

- 1 CONSTRUCT CONCRETE BIKE TRAIL SEE DETAIL ON DWG. D-2
- 2 CONSTRUCT FLOOD WALL PER SD1 ON DWG. D-3 AND SN1 ON DWG. D-4
- 3 REMOVE EXISTING CHAIN LINK FENCE /OR GATE.
- 8 INSTALL 1/2" EXPANSION JOINT AND TYPE A/AL SEAL AT TRAIL SLAB/FLOOD WALL INTERFACE
- 9 CONSTRUCT ARTICULATED EXPANSION JOINT AT CONCRETE BIKE TRAIL PAVEMENT SEE DETAIL ON DWG. D-1
- 10 REMOVE AND DISPOSE OF EXISTING ASPHALT CONCRETE PAVEMENT
- 11 REMOVE AND DISPOSE OF EXISTING CONCRETE PAVEMENT
- 14 INSTALL CHAIN LINK FENCE SEE DETAIL ON DWG. D-5
- 23 INSTALL PIPEGATE PER SBC FCD STD. DRAWING SP-209 L=14.0'
- 24 EXTEND EXISTING FLOOD WALL BY 1.0' AND DOWEL PER DETAIL ON DWG. D-4
- 25 REMOVE AND SALVAGE BOLLARD

**LEGEND:**

- REMOVE CONCRETE
- REMOVE AC
- CONSTRUCT REINF. CONC. PAVEMENT



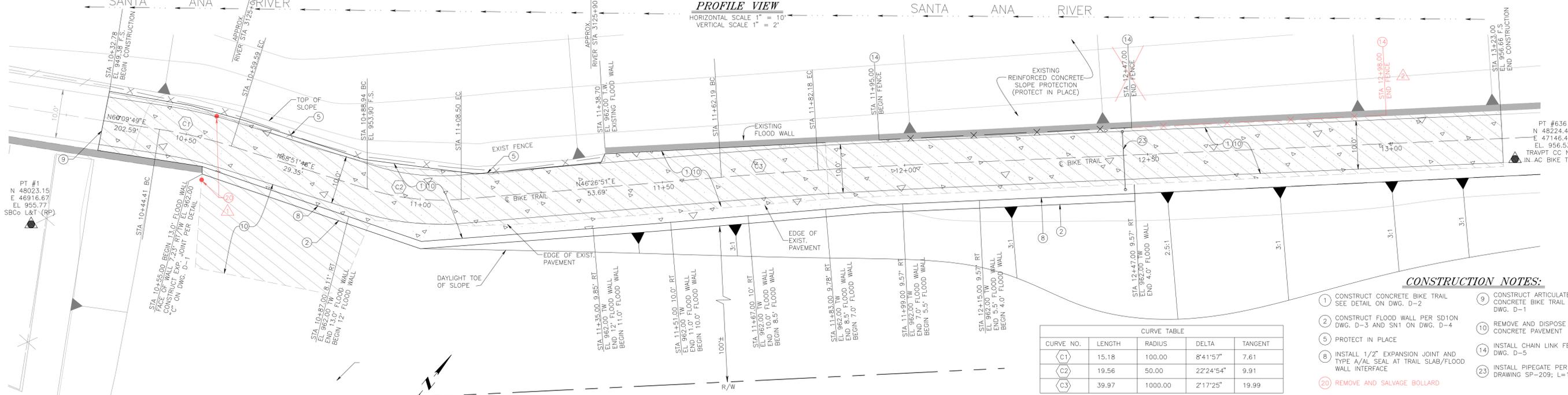
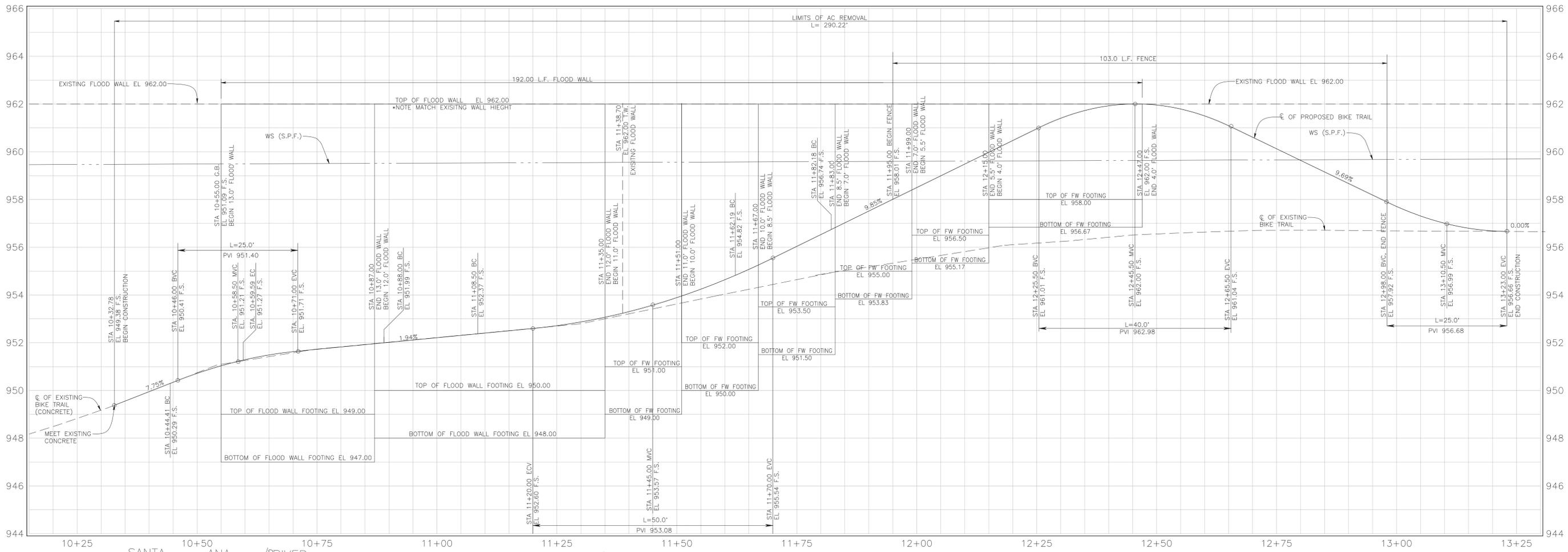
REVISIONS			
MARK	DATE	DESCRIPTION	BY:
Δ	10.24.2019	ADDITIONAL BOLLARD REMOVALS	JG

<b>SUBMITTED BY:</b>			
JOHNNY GAYMAN, P.E.		DATE	
<b>RECOMMENDED BY:</b>			
ERWIN FOGERSON, P.E.		DATE	
<b>APPROVED BY:</b>			
DAVID R. DOUBLET, P.E.		DATE	
PROJ. ENGR.	DESIGNED BY	REV'D BY	DRAWN BY
JG	JG	E.F.	ML

**SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT**  
**SANTA ANA RIVER SYSTEM**  
**SANTA ANA RIVER FLOOD WALL REMEDIATION**  
LOCATION 1  
S.A.R. STA 3119+80  
PLAN, PROFILE, AND SECTION

DATE	JUL 2019
SCALE	VARIABLES
FILE NO.	2-701-1B
DRAWING NO.	P-1
SHEET NO.	3A OF 11

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CURVE NO.	LENGTH	RADIUS	DELTA	TANGENT
(C1)	15.18	100.00	8°41'57"	7.61
(C2)	19.56	50.00	22°24'54"	9.91
(C3)	39.97	1000.00	2°17'25"	19.99

- CONSTRUCTION NOTES:**
- 1) CONSTRUCT CONCRETE BIKE TRAIL SEE DETAIL ON DWG. D-2
  - 2) CONSTRUCT FLOOD WALL PER SD10N DWG. D-3 AND SN1 ON DWG. D-4
  - 5) PROTECT IN PLACE
  - 8) INSTALL 1/2" EXPANSION JOINT AND TYPE A/JAL SEAL AT TRAIL SLAB/FLOOD WALL INTERFACE
  - 20) REMOVE AND SALVAGE BOLLARD
  - 9) CONSTRUCT ARTICULATED EXPANSION JOINT AT CONCRETE BIKE TRAIL PAVEMENT SEE DETAIL ON DWG. D-1
  - 10) REMOVE AND DISPOSE OF EXISTING ASPHALT CONCRETE PAVEMENT
  - 14) INSTALL CHAIN LINK FENCE SEE DETAIL ON DWG. D-5
  - 23) INSTALL PIPEGATE PER SBC FCD STD. DRAWING SP-209; L=12.0'

- LEGEND:**
- REMOVE AC
  - CONSTRUCT REINF. CONC. PAVEMENT



MARK	DATE	DESCRIPTION	BY:
▲	10.11.2019	ADDITIONAL BOLLARD REMOVALS	JG
▲	10.11.2019	REVISE FENCE LIMITS	JG

<b>SUBMITTED BY:</b>			
JOHNNY GAYMAN, P.E.		DATE	
<b>RECOMMENDED BY:</b>			
ERWIN FOGERSON, P.E.		DATE	
<b>APPROVED BY:</b>			
DAVID R. DOUBLET, P.E. DEPUTY DIRECTOR		DATE	
<b>PROJ. ENGR.</b>	<b>DESIGNED BY</b>	<b>REV'D BY</b>	<b>DRAWN BY</b>
JG	JG	EF	ML

**SAN BERNARDINO COUNTY  
FLOOD CONTROL DISTRICT**

**SANTA ANA RIVER SYSTEM**

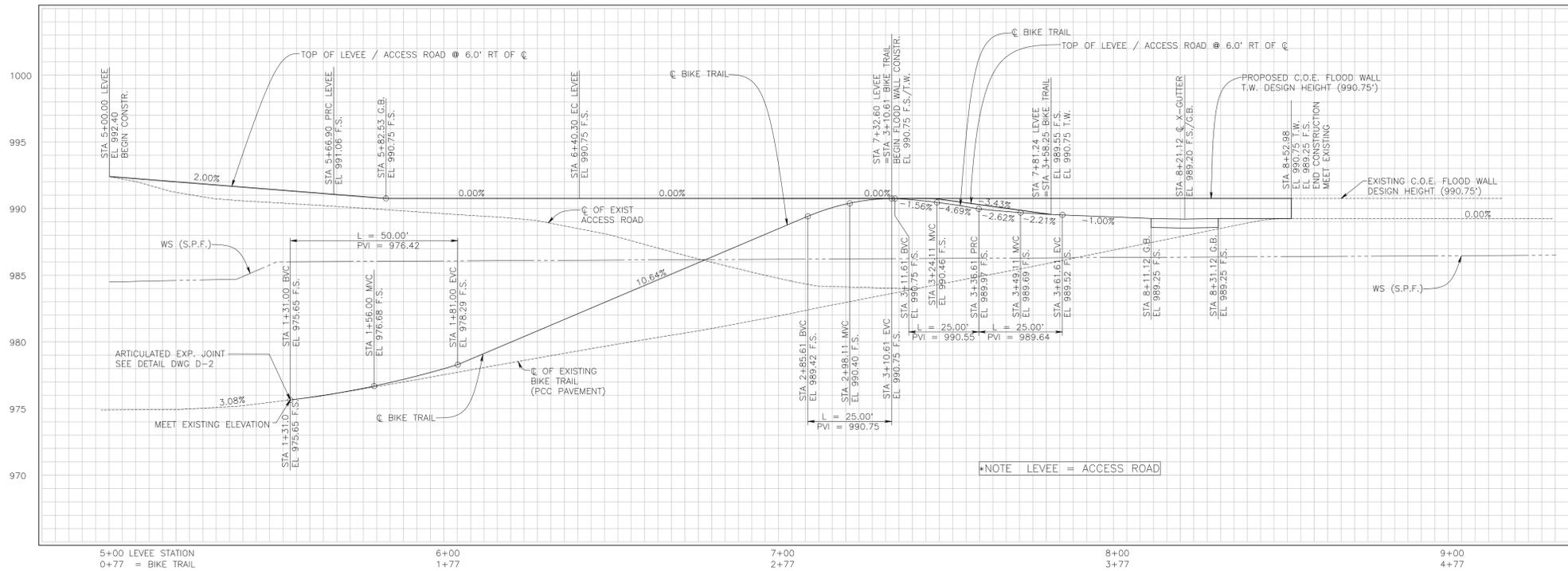
**SANTA ANA RIVER  
FLOOD WALL REMEDIATION**

LOCATION NO. 2  
S.A.R. STA 3125+00 TO STA 3127+77  
PLAN AND PROFILE

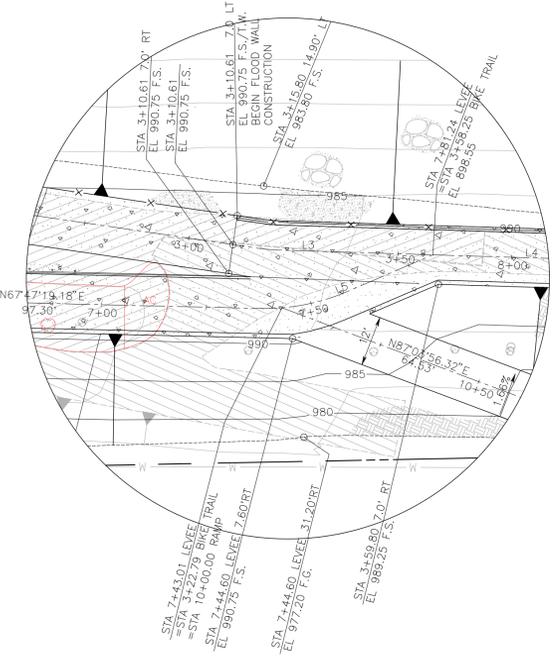
<b>DATE</b>	JUL 2019
<b>SCALE</b>	VARIABLES
<b>FILE NO.</b>	2-701-1B
<b>DRAWING NO.</b>	P-2
<b>SHEET NO.</b>	4A OF 11

REVISION OCT 11, 2019

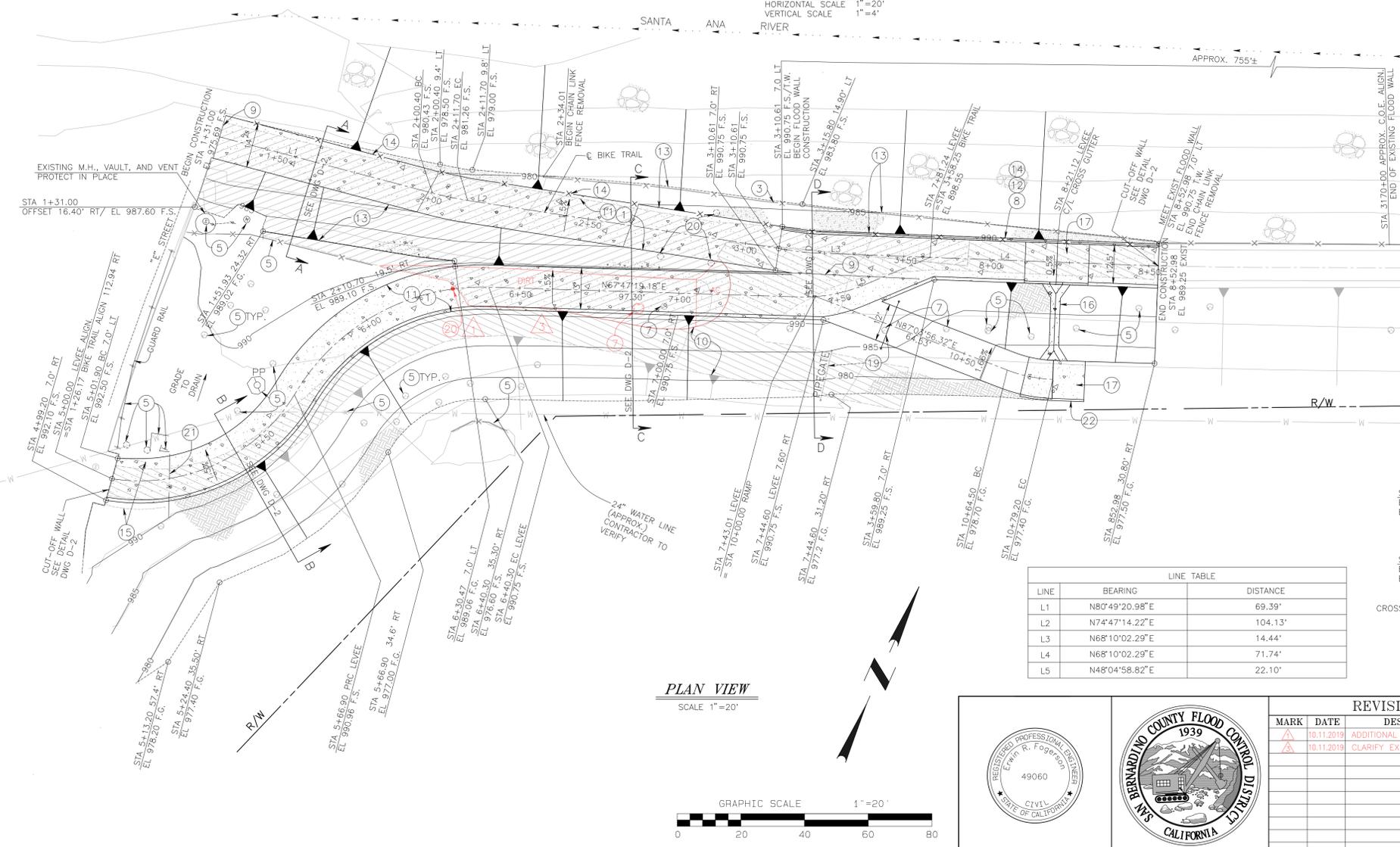
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**PROFILE VIEW**  
HORIZONTAL SCALE 1"=20'  
VERTICAL SCALE 1"=4'

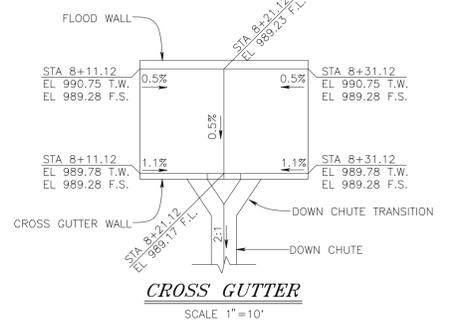


**CLOSE-UP PLAN VIEW**  
SCALE 1"=20'



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

LINE	BEARING	DISTANCE
L1	N80°49'20.98"E	69.39'
L2	N74°47'14.22"E	104.13'
L3	N68°10'02.29"E	14.44'
L4	N68°10'02.29"E	71.74'
L5	N48°04'58.82"E	22.10'



**CROSS GUTTER**  
SCALE 1"=10'

**CONSTRUCTION NOTES:**

- 1 CONSTRUCT CONCRETE BIKE TRAIL SEE DETAIL ON DWG. D-2
- 3 REMOVE EXISTING CHAIN LINK FENCE /OR GATE.
- 5 PROTECT IN PLACE
- 7 REMOVE TREE
- 8 INSTALL 1/2" EXPANSION JOINT AND TYPE A/AL SEAL AT TRAIL SLAB/FLOOD WALL INTERFACE
- 9 CONSTRUCT ARTICULATED EXPANSION JOINT AT CONCRETE BIKE TRAIL PAVEMENT SEE DETAIL ON DWG. D-1
- 10 REMOVE AND DISPOSE OF EXISTING ASPHALT CONCRETE PAVEMENT
- 11 REMOVE AND DISPOSE OF EXISTING CONCRETE PAVEMENT
- 12 CONSTRUCT FLOOD WALL SEE DETAIL ON DWG D-2
- 13 CONSTRUCT REINFORCED CONCRETE SLOPE PROTECTION SEE DETAIL ON DWG. D-2
- 14 INSTALL CHAIN LINK FENCE SEE DETAIL ON DWG D-5
- 15 REMOVE AND DISPOSE EXISTING A.C. DIKE
- 16 CONSTRUCT DOWN CHUTE SEE DETAILS ON DWG D-2
- 17 CONSTRUCT CROSS GUTTER SEE DETAILS ON DWG D-2
- 19 RELOCATE PIPEGATE
- 20 REMOVE & SALVAGE BOLLARD
- 21 ADJUST GATE TO GRADE
- 22 CONSTRUCT 2' CUTOFF WALL PER CROSS GUTTER SECTION DETAIL ON DWG D-2

**LEGEND:**

- REMOVE CONC.
- REMOVE AC
- CONST. REINF. CONC. SLOPE PROTECTION AND TRAIL



REVISIONS				SUBMITTED BY:	
MARK	DATE	DESCRIPTION	BY:	JOHNNY GAYMAN, P.E.	DATE
▲	10.11.2019	ADDITIONAL BOLLARD REMOVALS	JG		
▲	10.11.2019	CLARIFY EXISTING CONDITION	JG		
APPROVED BY:				RECOMMENDED BY:	
DAVID R. DOUBLET, P.E. DEPUTY DIRECTOR				ERWIN FOGERSON, P.E.	
DATE				DATE	
PROJ. ENGR.	DESIGNED BY	REV'D BY	DRAWN BY		
JG	JG/KM	EF	KM		

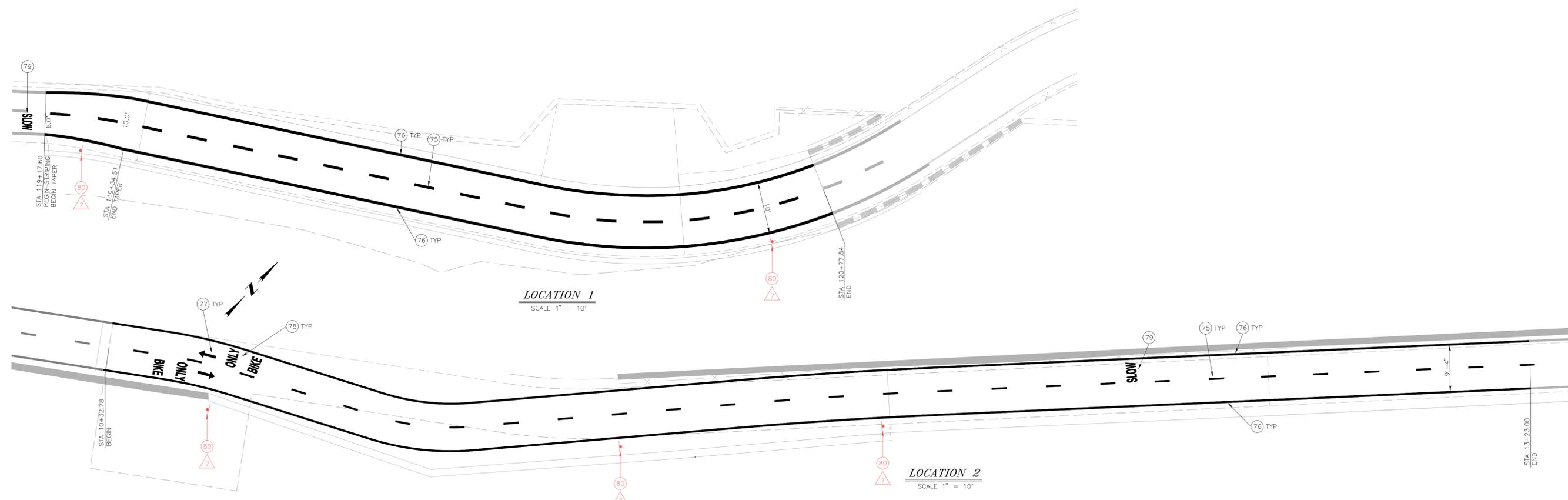
**SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT**  
SANTA ANA RIVER SYSTEM  
**SANTA ANA RIVER FLOOD WALL REMEDIATION**  
LOCATION NO. 3  
S.A.R. STA 3161+50 TO STA 3170+00  
PLAN, PROFILE, AND SECTION

DATE	JUL 2019
SCALE	VARIABLES
FILE NO.	2-701-1A
DRAWING NO.	P-3
SHEET NO.	5A OF 11

REVISION OCT 11, 2019

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SANTA ANA RIVER



**LOCATION 1**  
SCALE 1" = 10'

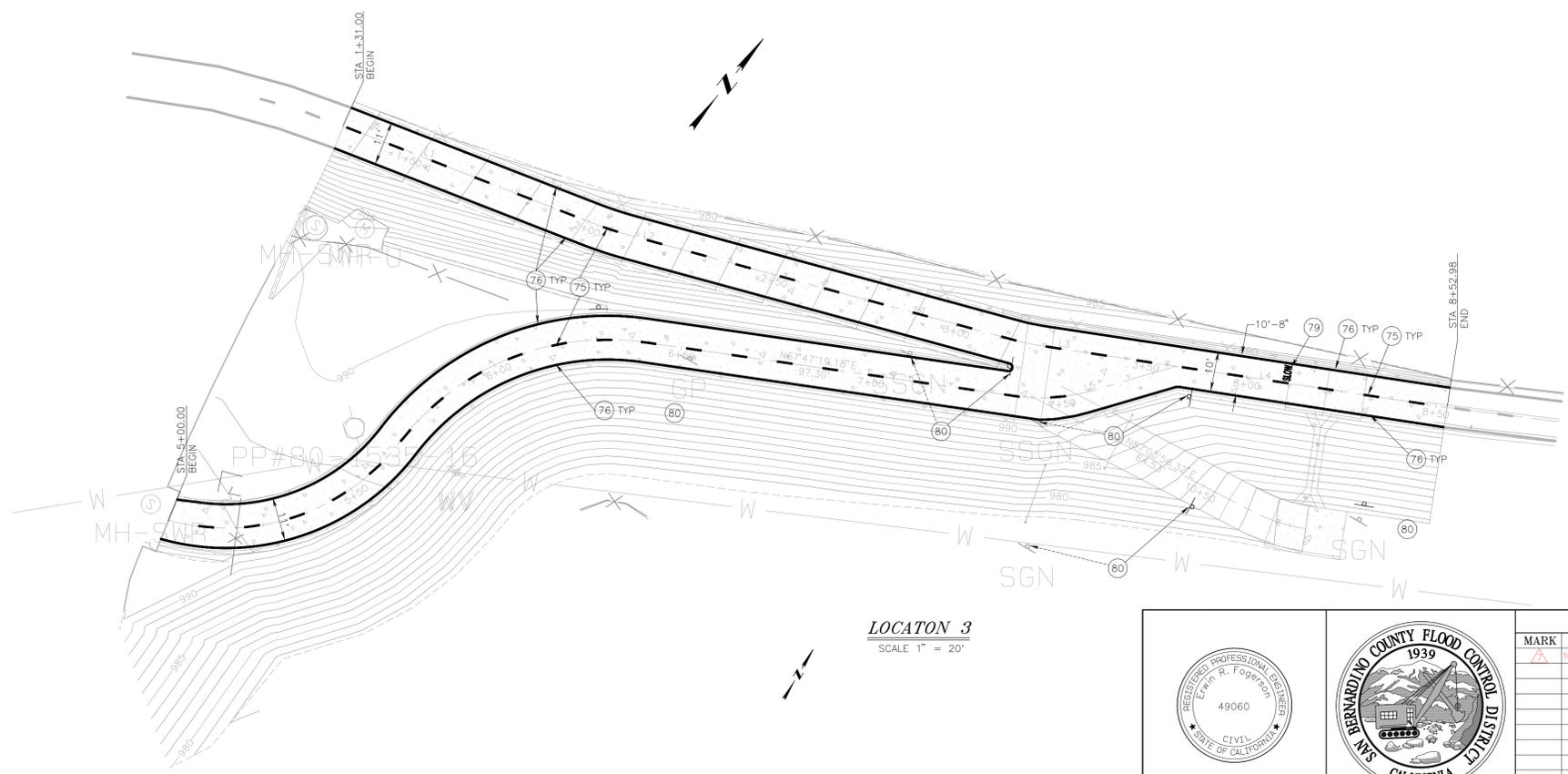
**LOCATION 2**  
SCALE 1" = 10'

**NOTES:**

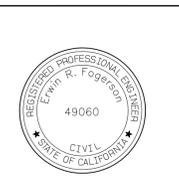
1. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE PAINTED IN CONFORMANCE WITH THE 2015 CALTRANS STANDARD PLANS
2. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE RETROREFLECTIVE PAINT, 2 COATS.
3. ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS NOT SHOWN ON PLANS SHALL BE REMOVED BY CONTRACTOR. REMOVAL SHALL BE ACCOMPLISHED BY WET SANDBLASTING, GRINDING, OR AS DIRECTED BY ENGINEER.

**CONSTRUCTION NOTES:**

- (75) PAINT 4-INCH DASHED WHITE LINE PER CALTRANS 2015 STD PLAN A20D, DETAIL 39A MODIFIED
- (76) PAINT 4-INCH SOLID WHITE EDGE LINE PER CALTRANS 2015 STD PLAN A20D, DETAIL 39 MODIFIED
- (77) PAINT ARROW PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24A, BIKE LANE ARROW
- (78) PAINT "BIKE ONLY" PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24E
- (79) PAINT "SLOW" PAVEMENT MARKING PER CALTRANS 2015 STD PLAN A24D
- (80) RELOCATE SIGN



**LOCATON 3**  
SCALE 1" = 20'



REVISIONS			
MARK	DATE	DESCRIPTION	BY:
△	10.24.2019	ADDITIONAL SIGN RELOCATION	JG

<b>SUBMITTED BY:</b>			
JOHNNY GAYMAN, P.E.		DATE	
<b>RECOMMENDED BY:</b>			
ERWIN FOGERSON, P.E.		DATE	
<b>APPROVED BY:</b>			
DAVID R. DOUBLET, P.E. DEPUTY DIRECTOR		DATE	
<b>PROJ. ENGR.</b>	<b>DESIGNED BY</b>	<b>REV'D BY</b>	<b>DRAWN BY</b>
JG	JG	EF	ML

SAN BERNARDINO COUNTY  
FLOOD CONTROL DISTRICT

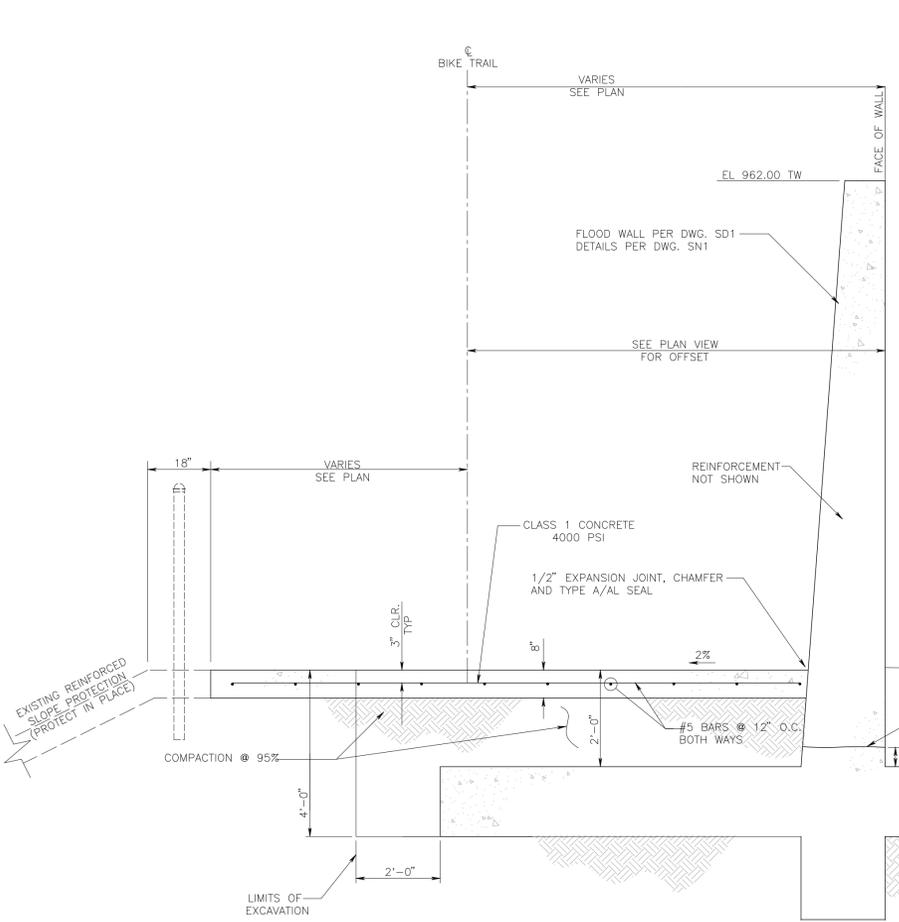
SANTA ANA RIVER SYSTEM

SANTA ANA RIVER  
FLOOD WALL REMEDIATION

LOCATION NO. 1, 2, & 3 -  
SIGN & STRIPING PLAN

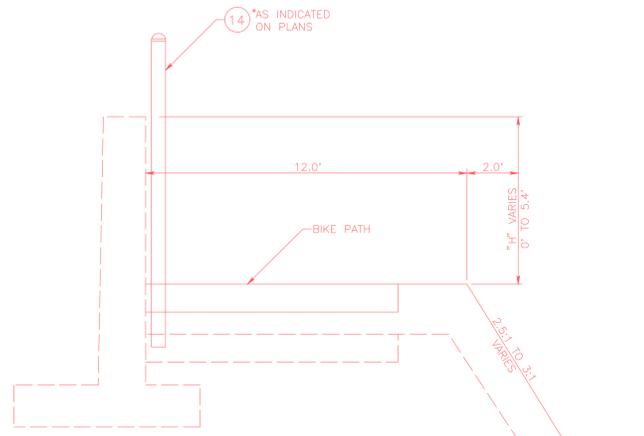
DATE	JUL 2019
SCALE	VARIABLES
FILE NO.	2-701-1B
DRAWING NO.	P-4
SHEET NO.	6A OF 11

S:\F02613 - Santa Ana River Floodwall Final Design\Santa Ana River Floodwall Repair - (Redesign)\Oct 2018 with Revisions.prd  
 Repair\Active\FINAL DESIGN\Santa Ana River Floodwall Repair - (Redesign)\Oct 2018 with Revisions.prd

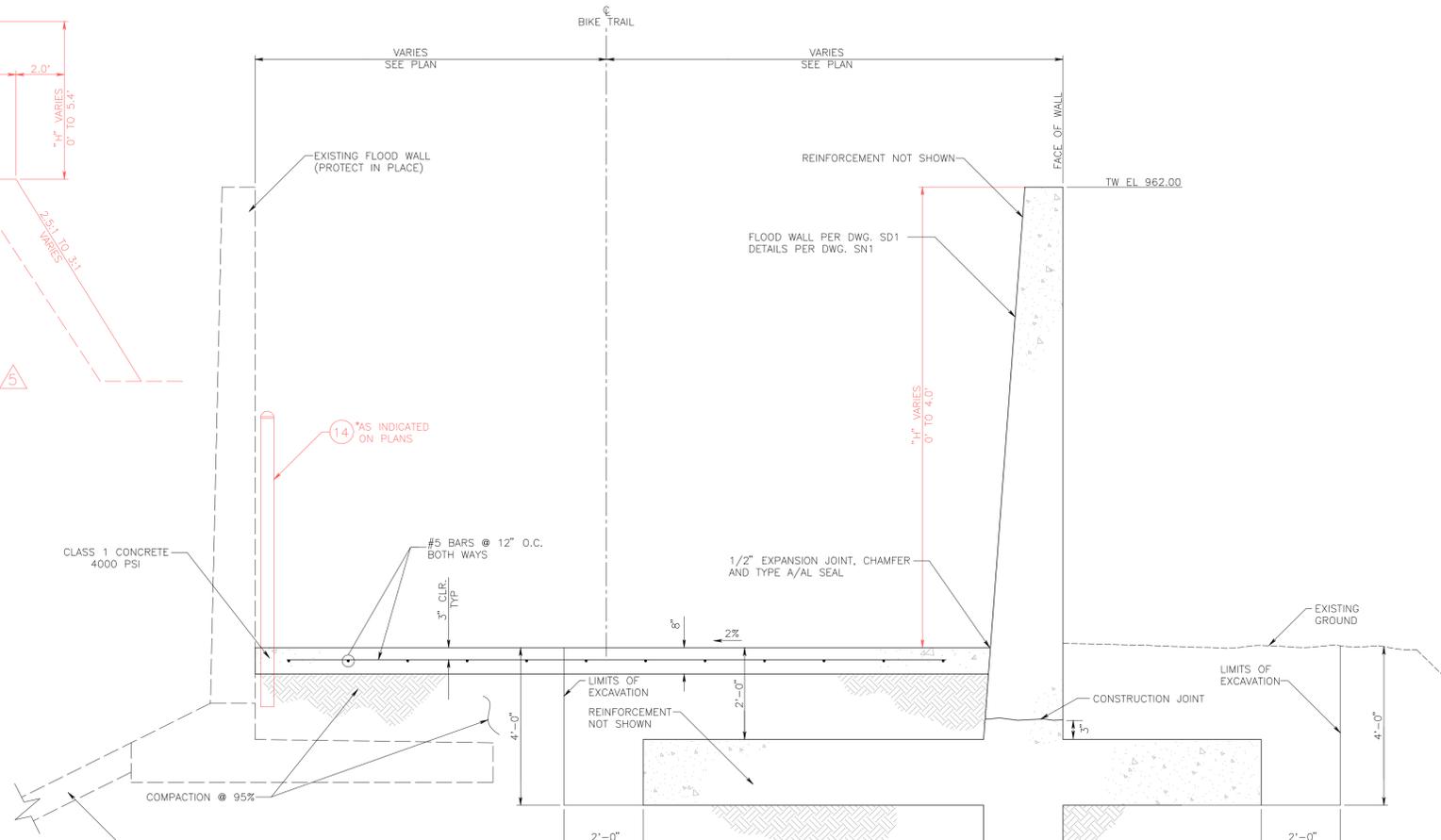


**STA 10+32.78 TO STA 11+38.70**  
**LOCATION 2 - TYPICAL SECTION**  
~~STA 10+55.00 TO STA 11+35.00~~  
 SCALE 1" = 2'

\*NOTE: PROVIDE TRAVERSE WEAKENED PLANE JOINTS AND SEAL PER DETAIL "E" @ 15' MAX (FORM OR TOOL)

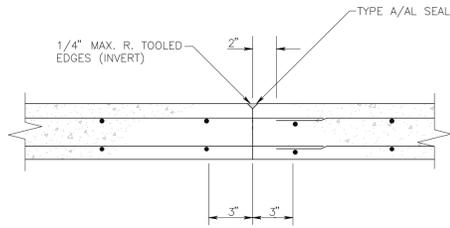


**LOCATION 2 - TYPICAL SECTION**  
**STA. 12+47.00 TO STA. 13+23.00**  
 SCALE 1" = 2'

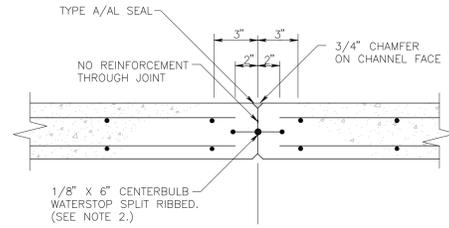


**STA. 11+38.70 TO STA. 12+47.00**  
**LOCATION 2 - TYPICAL SECTION**  
~~STA. 11+35.00 TO 12+47.00~~  
 SCALE 1" = 2'

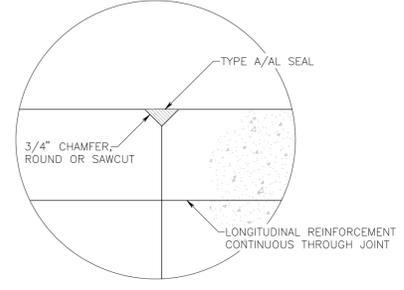
**CONSTRUCTION NOTES:**  
 14 REMOVE AND INSTALL WITH NEW FENCE; SEE DETAILS ON DWG D-5 BIKE TRAIL STA 1+31.00 TO STA 4+30.00



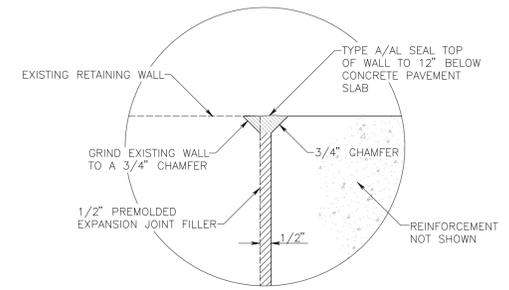
**CONSTRUCTION JOINT TYPE "J"**  
 (TYPICAL FOR INVERT, SLOPES AND WALL FOOTINGS)  
 NOT TO SCALE



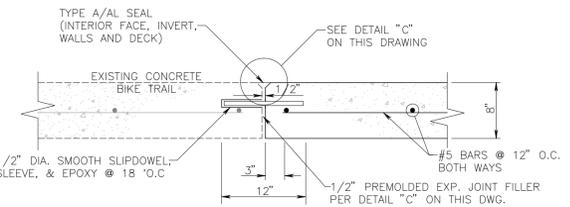
**CONTRACTION JOINT TYPE "B"**  
 (TYPICAL FOR WALLS)  
 NOT TO SCALE



**LONGITUDINAL/TRAVERSE WEAKEN PLANE JOINT SEAL DETAIL "E"**  
 NOT TO SCALE



**RETAINING WALL EXPANSION JOINT SEAL DETAIL "C"**  
 NOT TO SCALE



**ARTICULATED EXPANSION JOINT CONCRETE TRAIL PAVEMENT**  
 NOT TO SCALE

TRANSVERSE AND LONGITUDINAL JOINTS IN INVERT SLAB WILL BE REQUIRED AT THE END OF EACH CONTINUOUS POURING OPERATION AND SHALL BE CONSTRUCTION JOINT TYPE "J".  
 VERTICAL JOINTS IN CHANNEL WALLS WILL BE REQUIRED AT INTERVAL OF 16 FEET AND SHALL BE CONTRACTION JOINT TYPE "B".

**TYPICAL JOINT DETAILS**  
 NOT TO SCALE

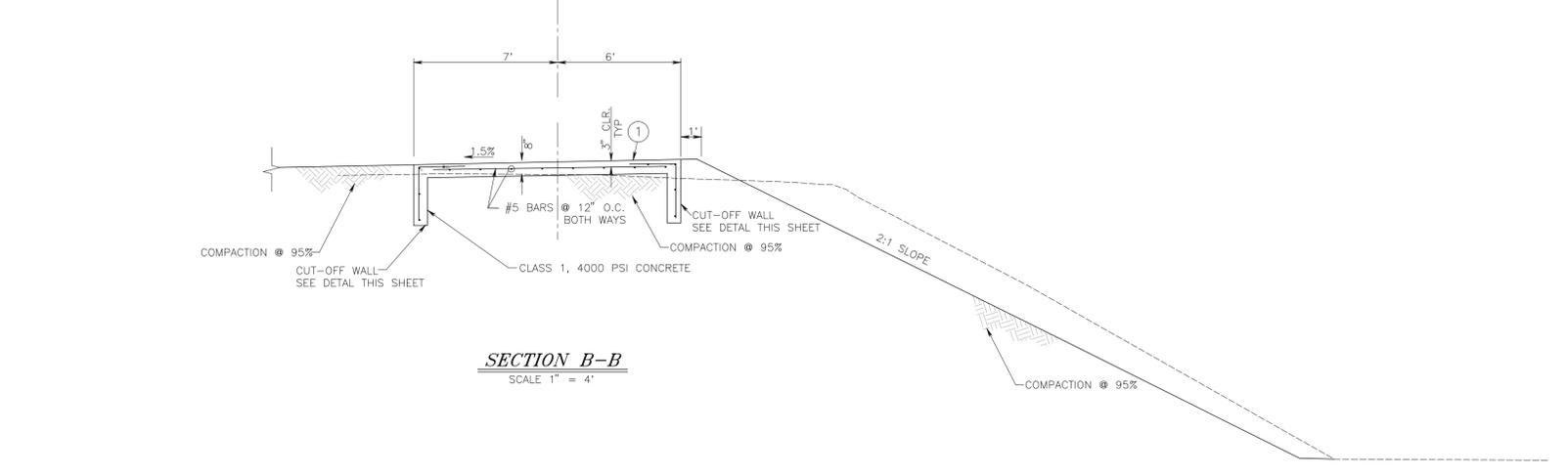
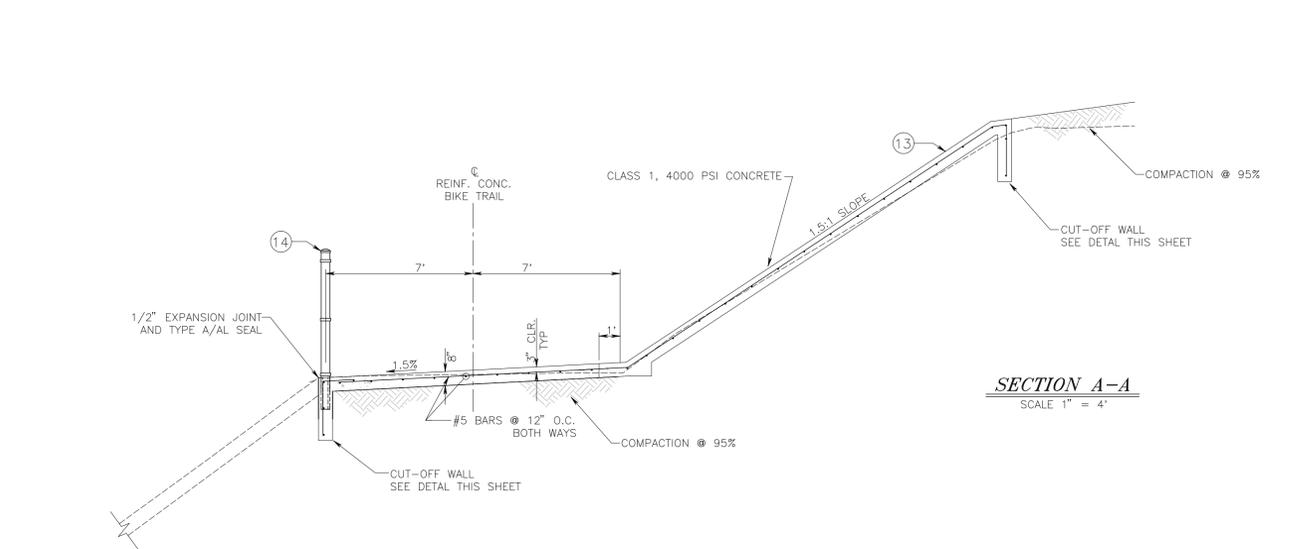
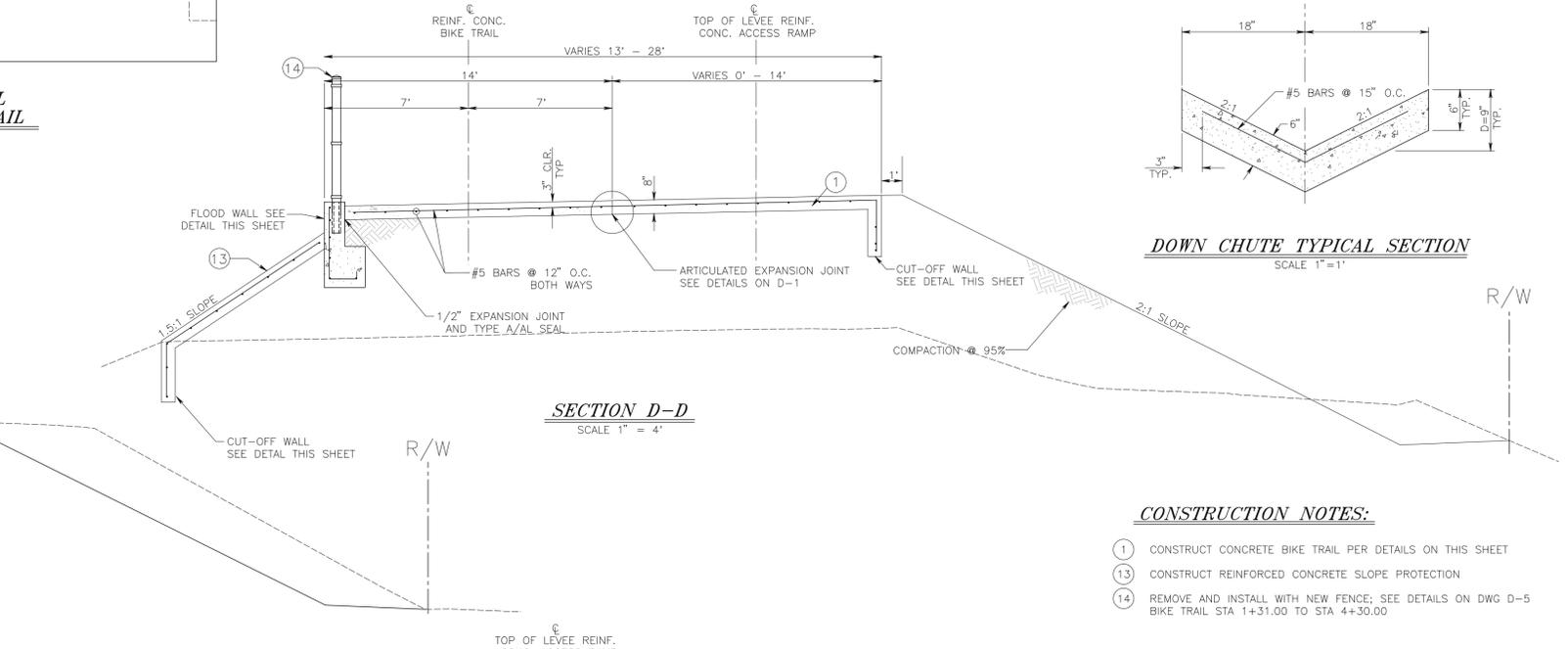
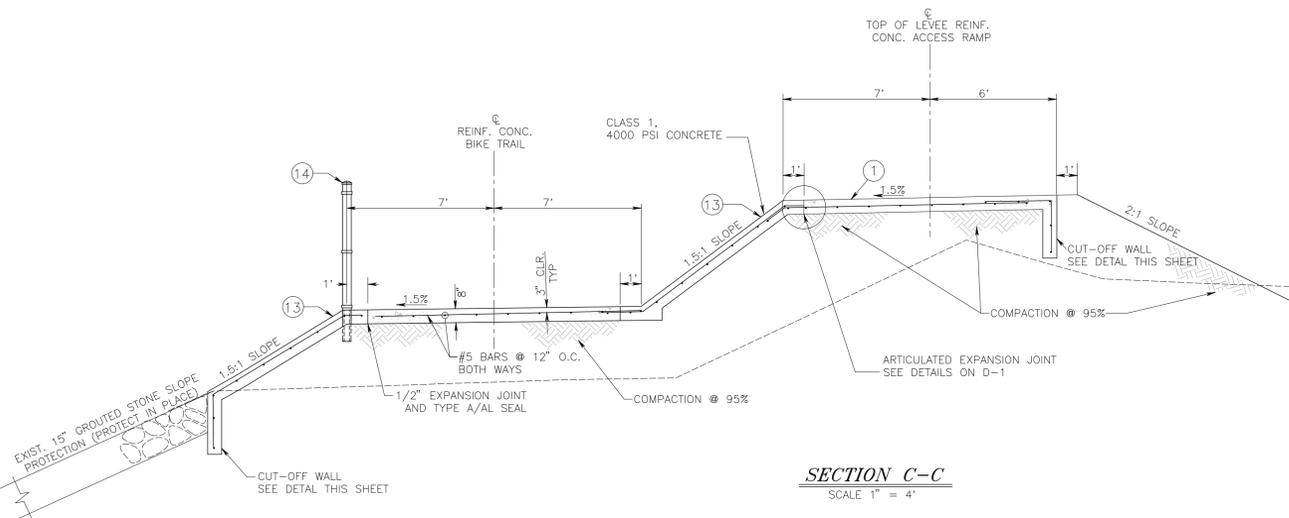
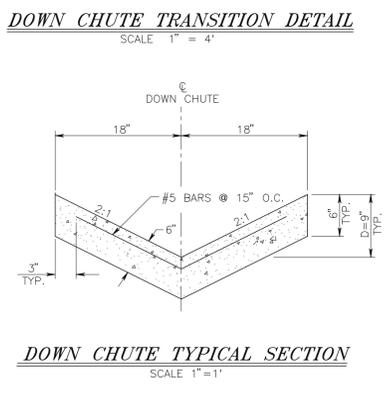
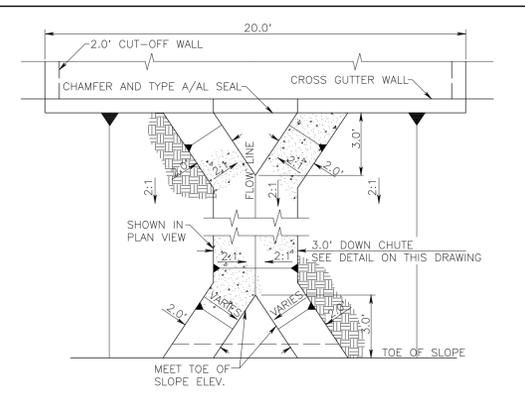
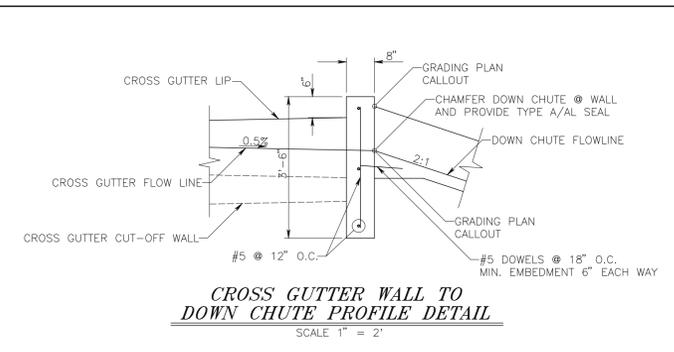
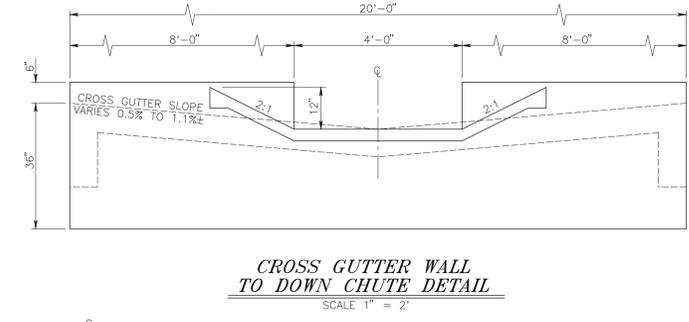
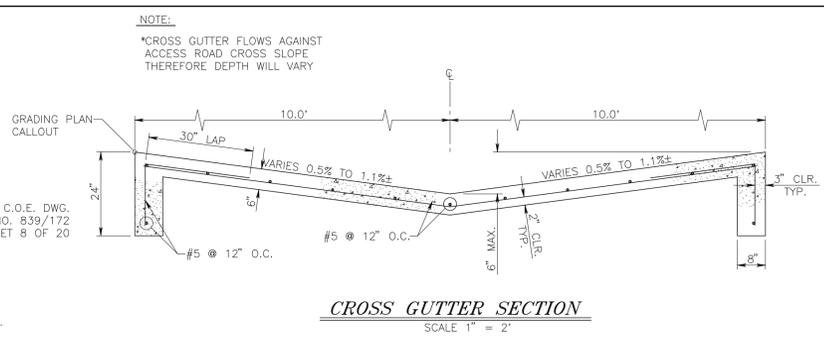
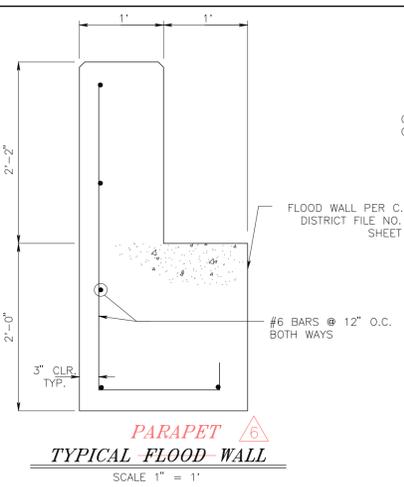
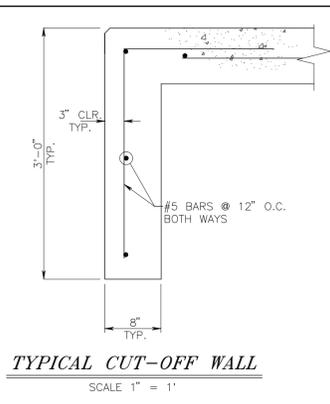


REVISIONS			
MARK	DATE	DESCRIPTION	BY:
△	10.11.2019	REVISE SECTION LIMITS	JG
△	10.11.2019	ADD SECTION	JG

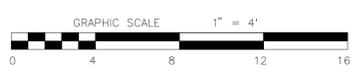
<b>SUBMITTED BY:</b>			
JOHNNY GAYMAN, P.E.		DATE	
<b>RECOMMENDED BY:</b>			
ERWIN FOGERSON, P.E.		DATE	
<b>APPROVED BY:</b>			
DAVID R. DOUBLET, P.E. DEPUTY DIRECTOR		DATE	
<b>PROJ. ENGR.</b>	<b>DESIGNED BY</b>	<b>REV'D BY</b>	<b>DRAWN BY</b>
JG	JG/ML	E.F.	ML

**SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT**  
**SANTA ANA RIVER SYSTEM**  
**SANTA ANA RIVER FLOOD WALL REMEDIATION**  
**LOCATION NO. 2 - SECTION AND DETAILS**

<b>DATE</b>	JUL 2019
<b>SCALE</b>	VARIABLES
<b>FILE NO.</b>	2-701-1B
<b>DRAWING NO.</b>	D-1
<b>SHEET NO.</b>	7A OF 11



- CONSTRUCTION NOTES:**
- 1 CONSTRUCT CONCRETE BIKE TRAIL PER DETAILS ON THIS SHEET
  - 13 CONSTRUCT REINFORCED CONCRETE SLOPE PROTECTION
  - 14 REMOVE AND INSTALL WITH NEW FENCE; SEE DETAILS ON DWG D-5 BIKE TRAIL STA 1+31.00 TO STA 4+30.00



REVISIONS			
MARK	DATE	DESCRIPTION	BY:
Δ	10.11.2019	CLARIFY LABEL	JG

<b>SUBMITTED BY:</b>			
JOHNNY GAYMAN, P.E.		DATE	
<b>RECOMMENDED BY:</b>			
ERWIN FOGERSON, P.E.		DATE	
<b>APPROVED BY:</b>			
DAVID R. DOUBLET, P.E.		DATE	
DUTY DIRECTOR			
<b>PROJ. ENGR.</b>	<b>DESIGNED BY</b>	<b>REV'D BY</b>	<b>DRAWN BY</b>
JG	JG/ML	E.F.	M.L.

<b>SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT</b>		DATE
<b>SANTA ANA RIVER SYSTEM</b>		JUL 2019
<b>SANTA ANA RIVER FLOOD WALL REMEDIATION</b>		SCALE
<b>LOCATION NO. 3 - SECTION AND DETAILS</b>		VARIABLES
		FILE NO.
		2-701-1A
		DRAWING NO.
		D-2
		SHEET NO.
		8A OF 11