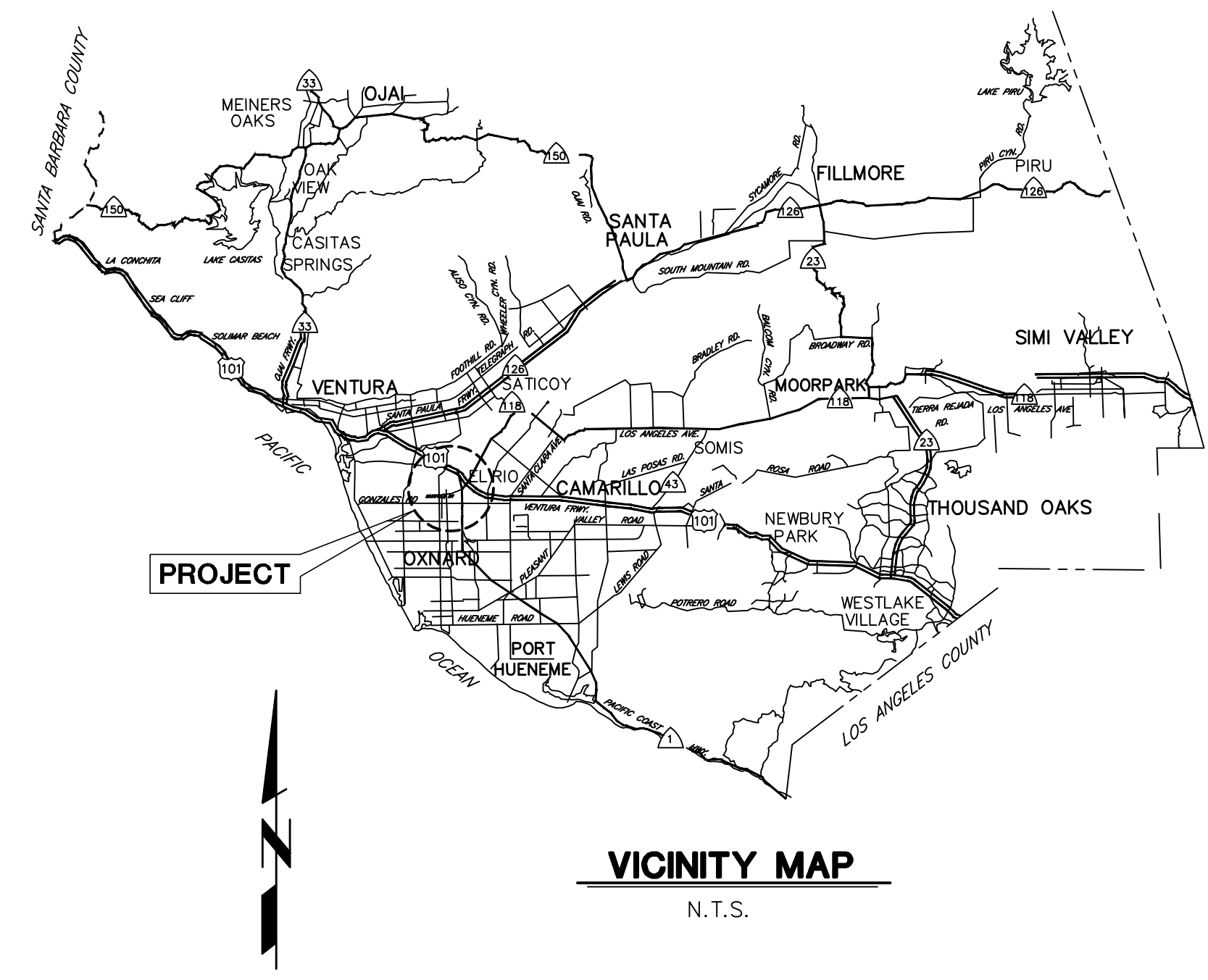


**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION
ZONE 2
SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
IN THE CITY OF OXNARD**



GENERAL NOTES

1. ELEVATIONS SHOWN ARE IN US FEET, NORTH AMERICAN VERTICAL DATUM OF 1988.
2. STATIONS SHOWN ON DRAWINGS ARE ALONG CENTERLINE OF STRUCTURE.
3. E.G.L. AND H.G.L. ARE SHOWN FOR FUTURE REFERENCE BY THE DISTRICT ONLY.
4. NUMBERS IN \square INDICATE BID ITEMS UNDER WHICH PAYMENT WILL BE MADE.
5. LETTERS AND NUMBERS IN \ominus INDICATE THE DETAIL CALL-OUT AND SHEET ON WHICH REFERENCE DETAIL IS SHOWN.
6. NUMBERS IN \triangle REFER TO NOTES ON THE SAME SHEET UNLESS OTHERWISE NOTED.
7. TREES DESIGNATED BY \odot SHALL BE REMOVED. ALL OTHERS SHALL BE PROTECTED, UNLESS OTHERWISE NOTED.
8. TOPOGRAPHY AND CROSS SECTIONS FOR THIS PROJECT WERE TAKEN FROM SURVEYS PERFORMED IN 07/2013. CONTRACTOR TO VERIFY EXISTING ELEVATIONS PRIOR TO CONSTRUCTION.
9. SOIL TEST BORINGS FOR THE PROJECT WERE MADE IN 12/2013, 01/2014, 02/2016, AND 04/2016 AND THEIR LOCATION IS MARKED BY THE SYMBOL \bullet . SUBSURFACE SOIL INVESTIGATION RESULTS ARE FURNISHED FOR INFORMATION ONLY, IN ACCORDANCE WITH SUBSECTION 2-7 OF THE STANDARD SPECIFICATIONS, AND NO WARRANTY IS MADE THEREFOR.
10. EXISTING IMPROVEMENTS WITHIN THE RIGHT OF WAY AND WORK AREAS SHALL REMAIN AND SHALL BE PROTECTED UNLESS OTHERWISE NOTED. DAMAGED IMPROVEMENTS SHALL BE REPLACED IN KIND TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO CONSTRUCTION.
11. UTILITIES ARE SHOWN AS KNOWN TO EXIST AT TIME OF SURVEY. UTILITIES MAY HAVE BEEN OMITTED, MISPLACED, AND/OR RELOCATED. CONTRACTOR SHALL EXERCISE CARE IN EXCAVATION AND SHALL PROTECT ALL UTILITIES.
12. SYMBOL \blacktriangle INDICATES THE LOCATION OF THE HORIZONTAL AND VERTICAL CONTROL POINTS WHICH WILL BE FURNISHED BY THE AGENCY FOR THE CONTRACTOR'S USE.
13. CONTRACTOR SHALL NOTIFY UTILITY OWNERS A MINIMUM OF 48 HOURS PRIOR TO STARTING WORK IN AREAS AFFECTING THEIR FACILITIES:

CITY OF OXNARD	TEL. NO. (805) 385-7894	TAI CHAU
VENTURA REGIONAL SANITATION DISTRICT (VRSD)	TEL. NO. (805) 658-4679	MATT BAUMGARDNER
RIVER RIDGE GOLF COURSE	TEL. NO. (805) 340-8500	JOSH KENNEY
SOUTHERN CALIFORNIA GAS COMPANY	TEL. NO. (818) 707-3902	MARK LAVIN
SOUTHERN CALIFORNIA EDISON COMPANY	TEL. NO. (805) 336-5083	LEO TREBELS
UNION PACIFIC RAIL AUTHORITY	TEL. NO. (805) 249-0959	HOOVER SANCHEZ

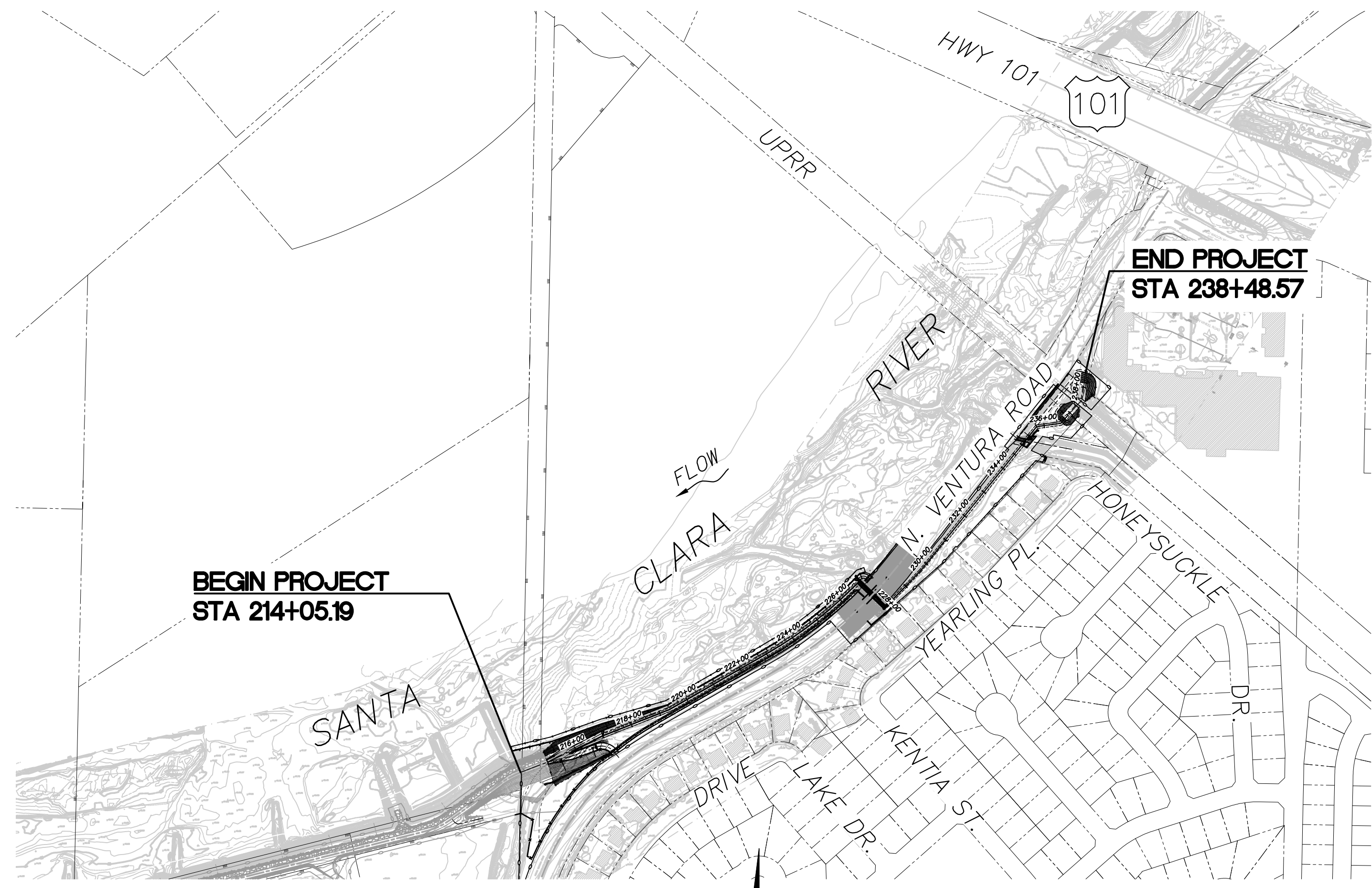
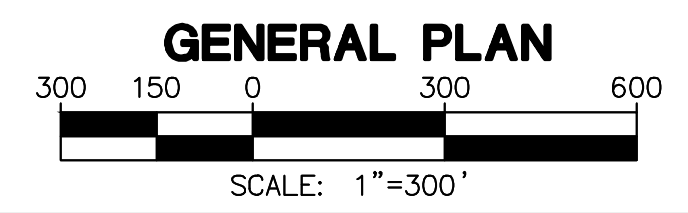
UNDERGROUND SERVICE ALERT
1-800-422-4133
CALL USA/SC
FOR UNDERGROUND LOCATION
2 WORKING DAYS BEFORE YOU DIG

REFERENCE DOCUMENTS
SANTA CLARA RIVER LEVEE FROM
VENTURA ROAD TO S.P.R.R. BRIDGE
STA. 31+50 TO STA. 54+63±
DRAWING NO. Y2-0341

**INDEX OF STANDARD PLANS
USED BY REFERENCE**

SPPWC STANDARD PLANS:
606-3 HAND RAIL TYPE A

HYDROLOGY DATA	
Q 50	= 161397 CFS
Q 100	= 227000 CFS
Q DESIGN	= 250000 CFS



INDEX TO SHEETS	
SHEET NO.	TITLE
1.	GENERAL PLAN
2.	SHEET INDEX
3.	FLOODWALL ALIGNMENT AND SURVEY CONTROL
4.	PLAN AND PROFILE FROM STA 214+05.19 TO STA 223+00.00
5.	PLAN AND PROFILE FROM STA 223+00.00 TO STA 231+00.00
6.	PLAN AND PROFILE FROM STA 231+00.00 TO STA 238+28.95
7.	MISCELLANEOUS RAMP PROFILES
8.	MISCELLANEOUS RAMP PROFILE
9.	FLOODBREAK BARRIER DETAILS
10.	VENTURA ROAD TRANSITION DETAILS
11.	UTILITY PLAN AND DETAILS
12.	EL RIO DRAIN RCB PLAN AND PROFILE
13.	SHEET PILE GENERAL PLAN AND PROFILE
14.	SHEET PILE PROFILE STA 10+00.00 TO STA 15+90.74
15.	SHEET PILE PROFILE STA 15+90.74 TO STA 21+81.47
16.	SHEET PILE PROFILE STA 21+81.47 TO STA 23+14.64
17.	SHEET PILE GENERAL NOTES, WALER BEAM, AND ANCHOR DETAILS
18.	SHEET PILE ANCHOR DETAILS
19.	SHEET PILE DETAILS NO. 1
20.	SHEET PILE DETAILS NO. 2
21.	SHEET PILE DETAILS NO. 3
22.	SHEET PILE DETAILS NO. 4
23.	SHEET PILE ANCHOR SECTIONS
24.	SHEET PILE ANCHOR SECTION AND SCHEDULE
25.	FLOODWALL PLAN AND PROFILE STA 217+00 TO STA 236+90
26.	FLOODWALL TYPICAL SECTIONS
27.	EL RIO DRAIN - CHANNEL, RCB, AND HEADWALL DETAILS
28.	EL RIO DRAIN - CHANNEL, RCB, AND HEADWALL
29.	TYPICAL STRUCTURAL DETAILS
30.	FLOOD GATE FOUNDATION PLAN, SECTIONS AND DETAILS
31.	BANK PROTECTION AND ACCESS ROAD DETAILS
32.	FENCE DETAILS
33.	ADDITIONAL OUTLET AND FLAP GATE DETAILS
34.	CROSS SECTIONS STA 215+00 TO STA 222+00
35.	CROSS SECTIONS STA 224+00 TO STA 234+00
36.	CROSS SECTIONS STA 236+00 TO STA 237+00
37.	LANDSCAPE DEMOLITION PLAN
38.	LANDSCAPE PLAN
39.	PLANTING LEGEND, NOTES, AND DETAILS
40.	IRRIGATION PLAN
41.	IRRIGATION LEGEND, NOTES, AND DETAILS
42.	SIGNING AND STRIPING
43.	STAGE 1 TRAFFIC CONTROL
44.	STAGE 1 TRAFFIC CONTROL
45.	STAGE 2 TRAFFIC CONTROL
46.	STAGE 2 TRAFFIC CONTROL
47.	STAGE 3 TRAFFIC CONTROL
48.	STAGE 3 TRAFFIC CONTROL
49.	STAGE 3 TRAFFIC CONTROL
50.	STAGE 4 TRAFFIC CONTROL
51.	STAGE 4 TRAFFIC CONTROL
52.	STAGE 2 DETOUR PLANS
53.	STAGE 3 DETOUR PLANS
54.	SOIL BORING LOGS
55.	FLOOD GATE DETAILS 1 (FLOODBREAK)
56.	FLOOD GATE DETAILS 2 (FLOODBREAK)
57.	FLOOD GATE DETAILS 3 (FLOODBREAK)
58.	FLOOD GATE DETAILS 4 (FLOODBREAK)
59.	FLOOD GATE DETAILS 5 (FLOODBREAK)
60.	FLOOD GATE DETAILS 6 (FLOODBREAK)
61.	CONTROL ROOM ELECTRICAL PLANS
62.	RIGHT OF WAY MAP



REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

8/1/2024
R.C.E. DATE

8/15/2024
DATE
WATERSHED DEPUTY DIRECTOR
8/16/2024
DATE
WATERSHED DIRECTOR
8/16/2024
DATE
AGENCY DIRECTOR

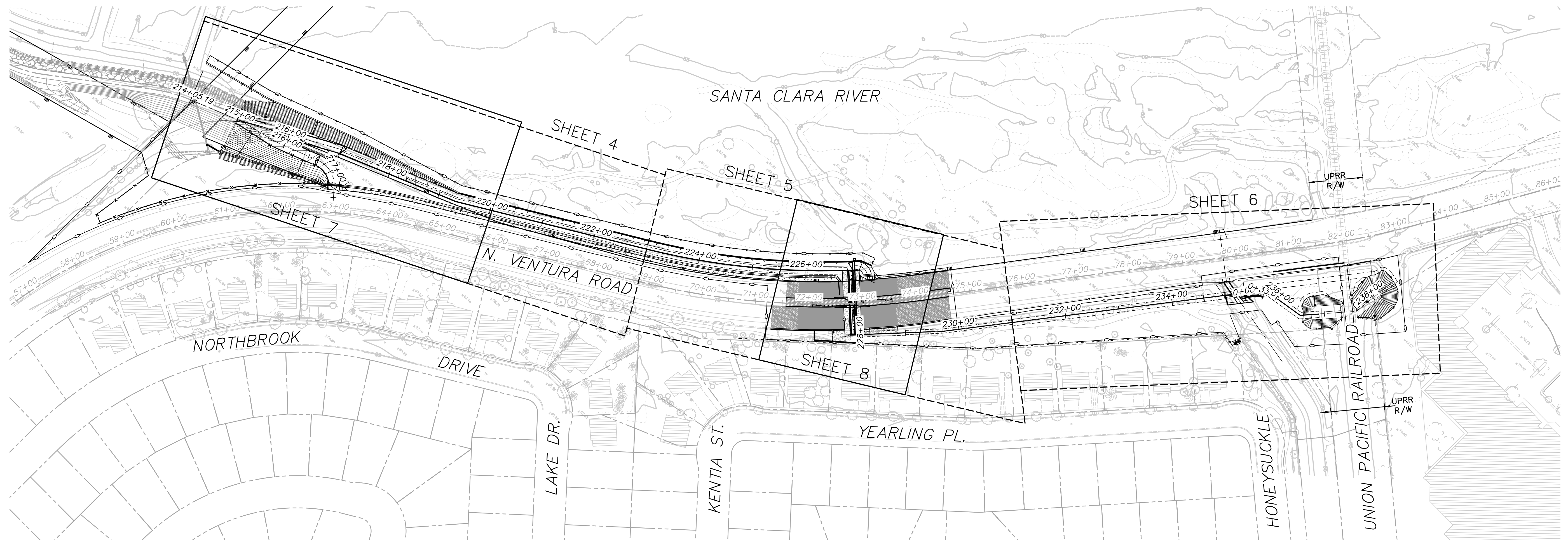
**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION**

SPEC. NO.
WP25-05
PROJ. NO.
82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**

GENERAL PLAN

SHEET 1
OF 62
DRAWING SET NO.
WPD-2-388



STANDARD LINES

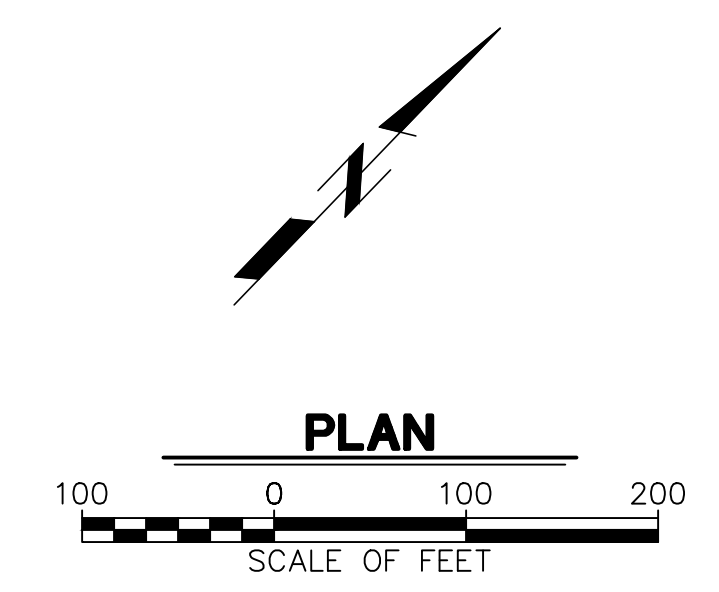
CENTER LINE @	---
PROPERTY LINES	----
VCWPD RIGHT OF WAY	-----
CITY/UPRR RIGHT OF WAY	-----
WORK AREA LIMITS	-----
NEW GAS	—G—
EXISTING GAS	-G-
EXISTING GAS TO BE REMOVED	#####G#####
NEW WATER	-W-
EXISTING WATER	-W-
EXISTING WATER TO BE REMOVED	#####W#####
NEW RECYCLED WATER	-RW-
EXISTING RECYCLED WATER	-RW-
EXISTING RECYCLED WATER TO BE REMOVED	#####RW#####
EXISTING SEWER	-SS-
FENCE	-x-x-x-
FLOW LINE	~~~~~>
RAILROAD (SINGLE)	=====>
FLOODWALL	-----
FLOODWALL FOOTING	-----
MAINTENANCE ROAD	-----
SHEET PILE	-----

MATERIALS

REMOVE INTERFERING EXISTING CONCRETE MEDIAN, MEDIAN CURB, AND AC, AND CONSTRUCT PORTLAND CEMENT CONCRETE (PCC)	
ASPHALTIC CONCRETE (AC)	
REMOVE AND REPLACE EXISTING AC	
REMOVE INTERFERING EXISTING CONCRETE MEDIAN, MEDIAN CURB, AND AC, AND CONSTRUCT MEDIAN	
CMB	
CONCRETE CAP	
1/4-TON CONCRETED ROCK RIPRAP	
1 TON RIPRAP	
EXISTING ROCK LEVEE	

MISCELLANEOUS

WATER SURFACE		B.M. (BENCH MARK)	
EXISTING ELEVATION (720)		FINISH ELEVATION 720	
HORIZONTAL CONTROL MONUMENT			
APPROXIMATE SOIL BORING LOCATION		B-6	
APPROXIMATE CPT LOCATION		C-2	



PLOT DATE: 7/23/24

SAVE DATE: 7/23/24 106684 K:\PROJECTS\ZONE2\SANTA CLARA RIVER\82045_SANTA CLARA RIVER LEVEE_SCR3_PH2\DESIGN\DESIGN DRAWINGS\05_PERCENT_PLANS\SANTA CLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-002 SHEET 2.DWG

D				
C				
B				
A				
△	REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKERINTL.COM

David Meier
 R.C.E. 8/1/2024

DESIGNED	NZ	DATE	8/14/2024
DRAWN	NZ, EC	DATE	8/15/2024
CHECKED	AL	DATE	8/16/2024

**VENTURA COUNTY
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION**

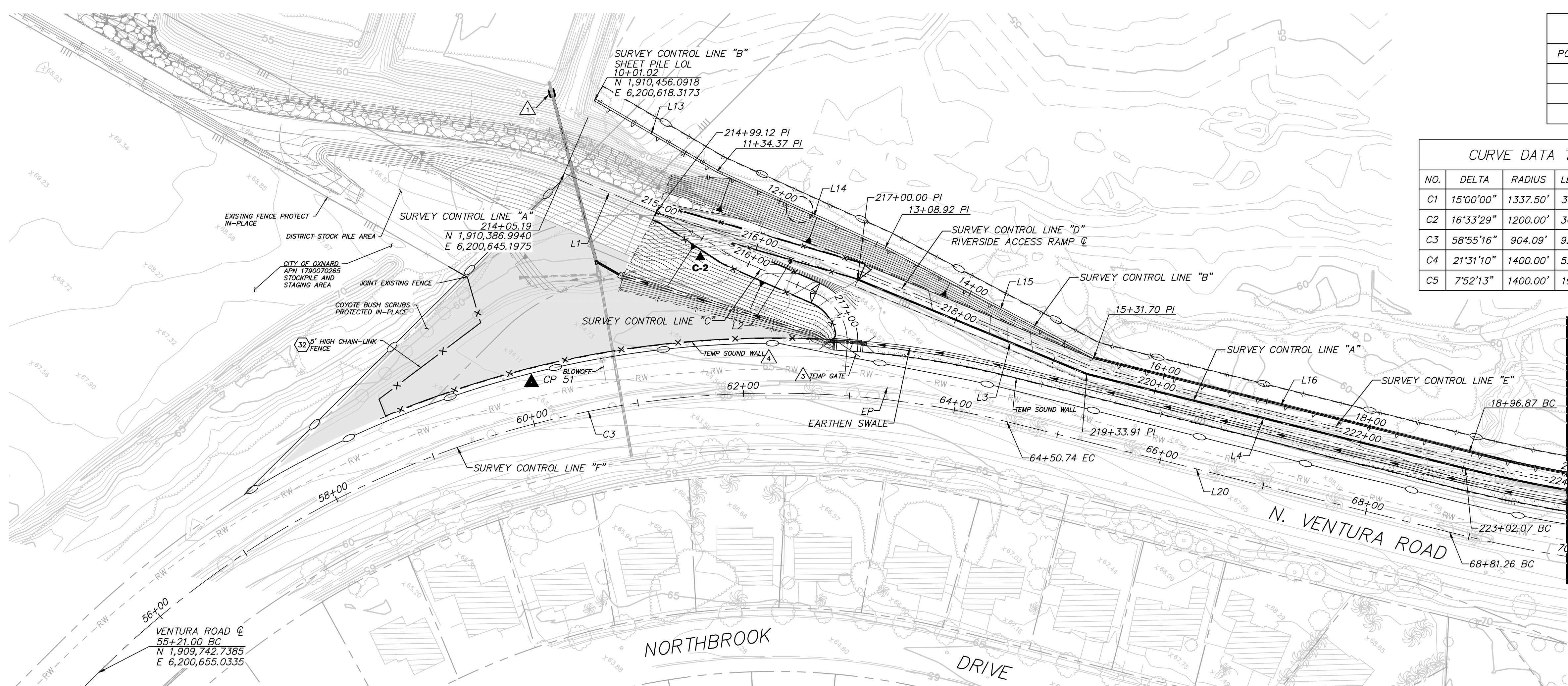
SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**

SHEET INDEX



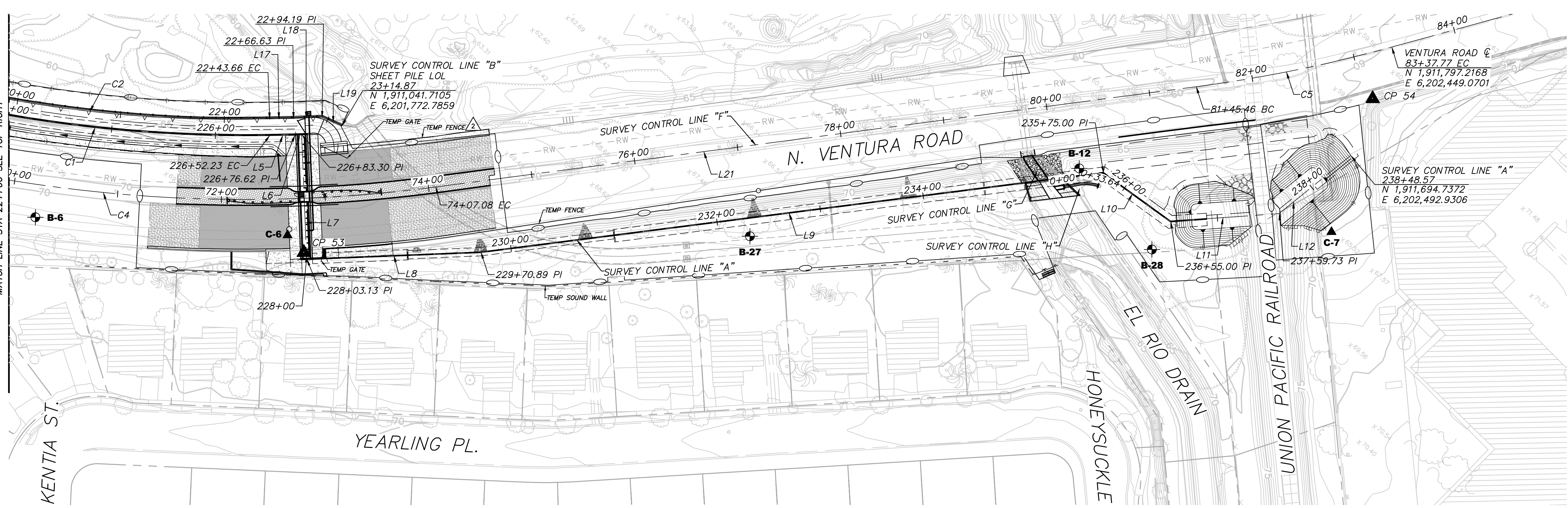
SHEET	2
OF	62
DRAWING NO.	WPD-2-388



SURVEY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP51	1910223.3450	6200759.5620	63.750	MAG NAIL
CP53	1910929.0540	6201830.8540	69.762	MAG NAIL
CP54	1911749.0410	6202470.2190	60.994	SCRIBED

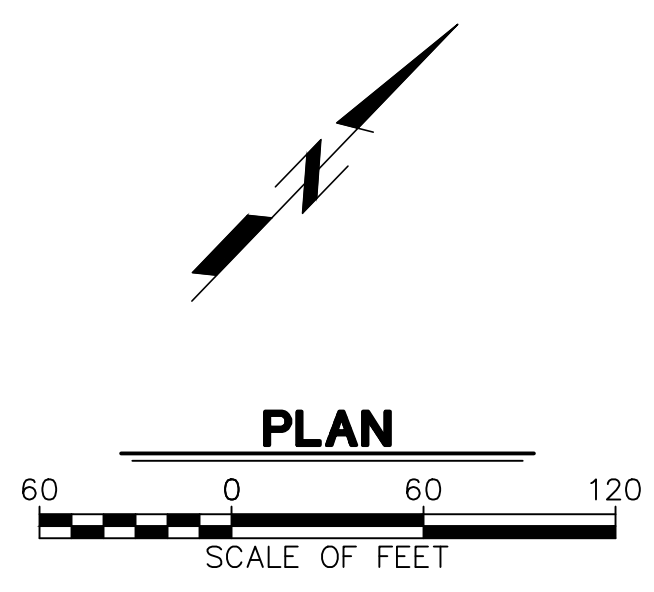
CURVE DATA TABLE				STATION		
NO.	DELTA	RADIUS	LENGTH	TANGENT	BC	EC
C1	15°00'00"	1337.50'	350.16'	176.09'	223+02.07	226+52.23
C2	16°33'29"	1200.00'	346.79'	174.61'	18+96.87	22+43.66
C3	58°55'16"	904.09'	929.74'	510.69'	55+21.00	64+50.74
C4	21°31'10"	1400.00'	525.82'	266.04'	68+81.26	74+07.08
C5	7°52'13"	1400.00'	192.31'	96.31'	81+45.46	83+37.77

LINE DATA TABLE		
NO.	BEARING	LENGTH
L1	N69°10'14"E	93.93'
L2	N64°37'45"E	200.88'
L3	N68°33'30"E	233.91'
L4	N60°08'16"E	368.17'
L5	N45°08'16"E	24.39'
L6	N43°49'08"E	6.68'
L7	S46°10'52"E	119.83'
L8	N43°49'08"E	167.76'
L9	N38°51'03"E	604.11'
L10	N81°59'41"E	80.00'
L11	N42°06'29"E	104.73'
L12	N7°06'29"E	88.84'
L13	N76°21'46"E	133.35'
L14	N70°30'34"E	174.55'
L15	N74°02'22"E	222.77'
L16	N60°07'11"E	365.17'
L17	N45°09'00"E	22.97'
L18	N43°51'14"E	27.55'
L19	N70°26'01"E	20.68'
L20	N60°08'16"E	430.52'
L21	N38°37'05"E	738.38'



NOTES:

- CONSTRUCT RC OUTLET STRUCTURE A (ZZ 33) (22)
- CONSTRUCT TEMPORARY CHAIN LINK FENCE (74)
- CONSTRUCT TEMPORARY CHAIN LINK GATE (87)
- CONSTRUCT TEMPORARY CONSTRUCTION SOUND BARRIER WALL (88)



DATE: 7/31/24

SAVE DATE: 7/31/24 JENNA.CLARK H:\PDATA\136628\CADD\STRM\WATER\DLV\REACH 4\6628-SD-003.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 MBAKERINTL.COM

8/1/2024
 R.C.E. DATE

DESIGNED: NZ
 NZ, EC
 DRAWN: AL
 CHECKED:

8/14/2024
 DATE
 8/15/2024
 DATE
 8/16/2024
 DATE

WATERSHED PROJECT MANAGER
 WATERSHED DEPUTY DIRECTOR
 WATERSHED DIRECTOR

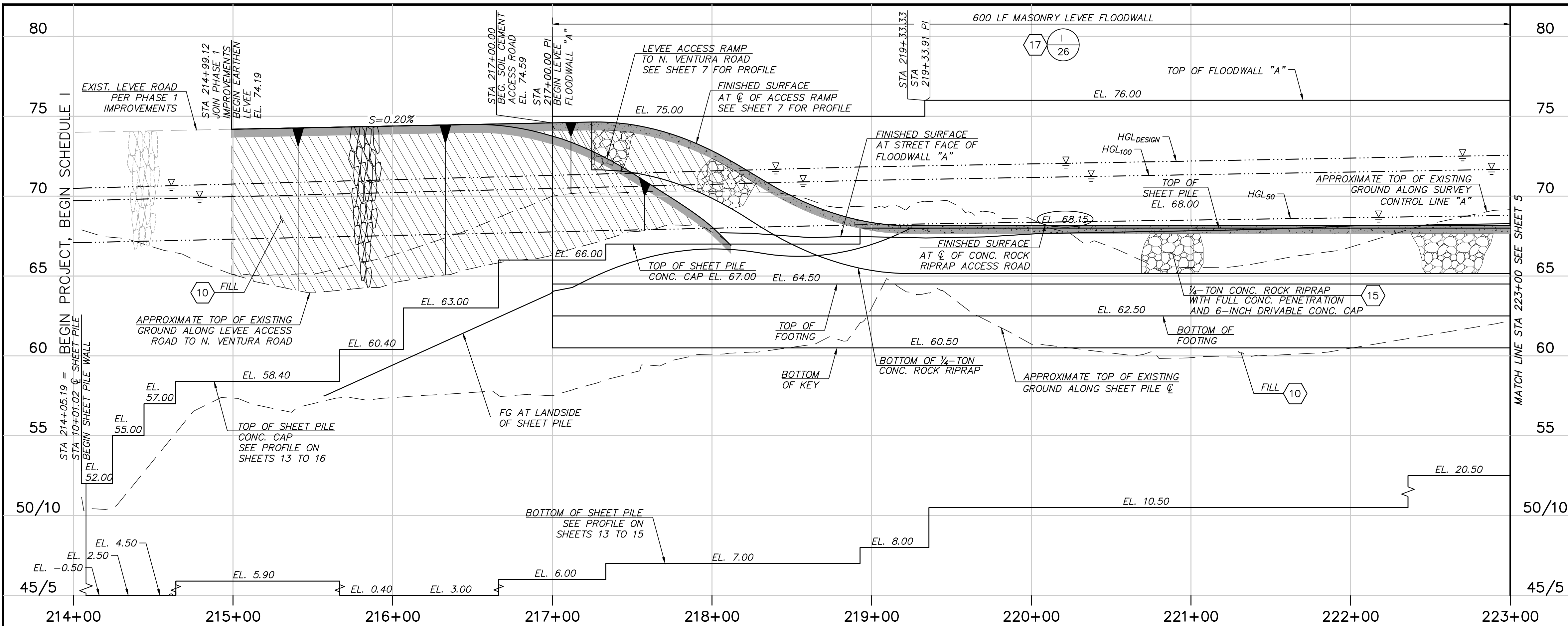
**VENTURA COUNTY
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION**

SPEC. NO.
 WP25-05
 PROJ. NO.
 82045

**SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 FLOODWALL ALIGNMENT AND SURVEY CONTROL**

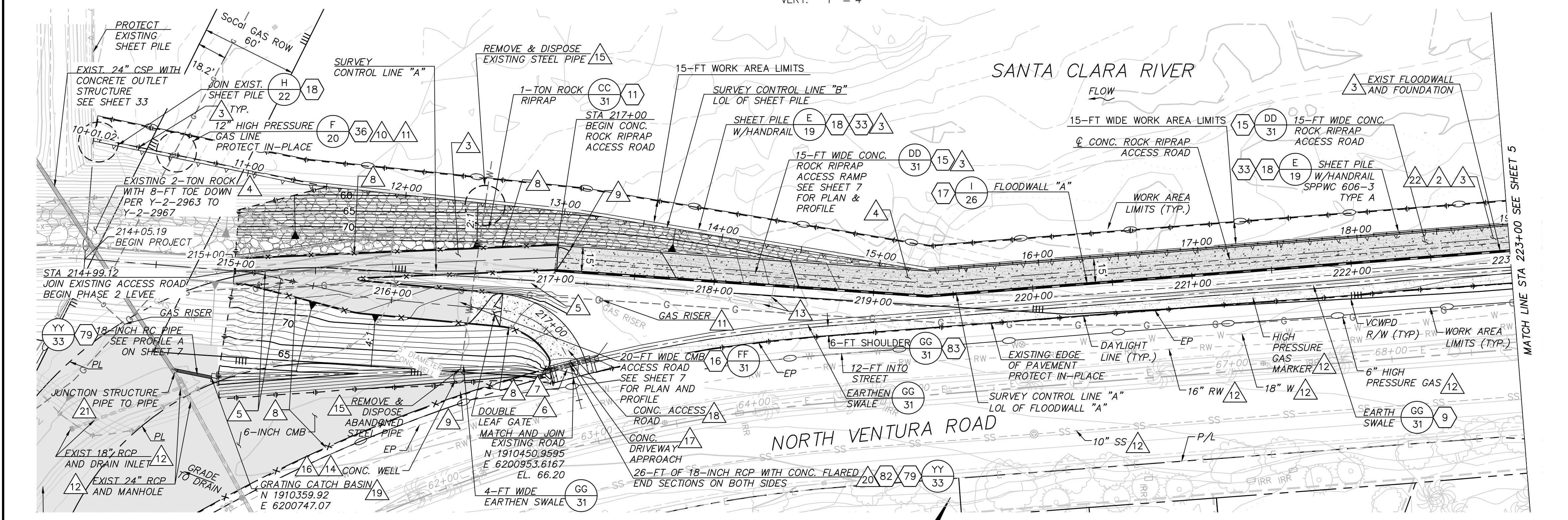
SHEET **3**
 OF **62**
 DRAWING SET NO.
 WPD-2-388





PROFILE

SCALE: HORZ: 1" = 40'
VERT: 1" = 4'



PLAN

SCALE OF FEET
0 40 80

NOTES:

1. WORK AREA LIMITS SHALL BE STAKED WITH VISIBLE FLAGGING AND ALL EQUIPMENT SHALL BE OPERATED WITHIN THE WORK AREA LIMITS.
2. ALL INTERFERING VEGETATION, TREES, DOWNED TREES, STUMPS, LOGS, BUSHES, SHRUBS, WILLOWS, REEDS, EUCALYPTUS, OLIVES, PALMS, PEPPER, ETC. WITHIN THE WORK AREA LIMITS SHALL BE REMOVED TO MINIMUM 3-FT BELOW GRADE AND DISPOSED OF AT AN APPROVED OFFSITE LOCATION.
3. REMOVE AND DISPOSE OF EXISTING CONCRETE ROCK RIPRAP, BROKEN CONCRETE SLABS, CONCRETE RUBBLE, MASONRY BLOCK WALL, ABANDONED IRRIGATION PIPES, WATER LINES, ELECTRICAL CONDUITS, WOOD AND METAL SCRAPS, HOUSEHOLD APPLIANCES, SCRAP CARS, EQUIPMENT PARTS, PLASTIC, TRASH, DEBRIS, ETC. WITHIN THE WORK AREA LIMITS TO AN APPROVED OFFSITE LOCATION.
4. REMOVE, STOCKPILE ONSITE, AND REINSTALL INTERFERING PORTION OF EXISTING ROCK RIPRAP BANK PROTECTION. ALL INTERFERING ROCK SHALL BE REMOVED PRIOR TO PLACING SHEET PILE (TYPICAL).
5. CONTRACTOR SHALL REMOVE POSTS, RAILS, AND DISPOSE EXISTING CMB, AC AND PMB AT AN APPROVED OFFSITE LOCATION AND SCARIFY THE ACCESS ROAD PRIOR TO PLACING FILL MATERIAL.
6. INSTALL 20-FT WIDE BY 5-FT HIGH DOUBLE LEAF CHAIN LINK GATE.
7. EXISTING TRAFFIC SIGNS SHALL BE PROTECTED IN-PLACE OR RE-ESTABLISHED AT THE END OF PROJECT (TYPICAL). AFFECTED DIRECTIONAL SIGNS SHALL BE TEMPORARILY ESTABLISHED DURING CONSTRUCTION.
8. INSTALL 5-FT HIGH CHAIN LINK FENCE WITH TOP RAIL.
9. INSTALL 15-FT WIDE BY 5-FT HIGH SINGLE LEAF CHAIN LINK GATE.
10. CONTRACTOR SHALL NOTIFY THE GAS COMPANY TO COORDINATE THEIR PRESENCE DURING SHEET PILE INSTALLATION OPERATIONS.
11. EXISTING GAS LINE SHALL BE POTHOLED PRIOR TO CONSTRUCTION.
12. PROTECT ALL EXISTING FACILITIES IN-PLACE WITHIN THE WORK AREA LIMITS UNLESS OTHERWISE NOTED ON THE PLANS.
13. REMOVE AND DISPOSE EXISTING CHAIN LINK FENCE AND GATE TO LIMITS SHOWN.
14. CONTRACTOR SHALL EXCAVATE AND REMOVE THE EXISTING 16"-6" DEEP, 5-FT DIAMETER CONCRETE WELL.
15. CONTRACTOR SHALL CUT THE EXISTING STEEL PIPE 5-FT BELOW GROUND AND FILL THE REMAINING STEEL PIPE WITH CONCRETE.
16. STEEL PLATE COVERING EXISTING WELL SHALL BE REMOVED AND DELIVERED TO SATICOY MAINTENANCE YARD AT 11201 RIVERBANK DRIVE, VENTURA, CA 93004. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION, LOGISTICS AND DELIVERY OF THE STEEL PLATE.
17. CONSTRUCT 8-INCH THICK CONCRETE DRIVEWAY APPROACH PER SPPWC-110-2 TYPE "A" (W=20'), (Y=5'-8"), (X=4'-0").
18. CONSTRUCT 8-INCH THICK CONCRETE ACCESS ROAD WITH #4 REBAR 12-INCH O.C. EACH WAY WITH EXPANSION JOINT EVERY 10-FT.
19. INSTALL ALLEY GRATING CATCH BASIN WITH 2 GRATES PER SPPWC 305-3. USE MONOLITHIC CATCH BASIN CONNECTION STEEL REINFORCEMENT PER 308-2, V=4-FT, T=8-INCH, REBAR #4 @ 8-INCH BOTH WAYS.
20. INSTALL CONCRETE FLARED END SECTIONS PER CALTRANS STANDARD PLAN D94-B, TYPE A.
21. CONSTRUCT PIPE TO PIPE JUNCTION STRUCTURE PER SPPWC 340-2. A=45" B=18" C=30" D1=24" D2=24".
22. ALL EXISTING EUCALYPTUS TREES, ALONG SOUTH BANK OF SANTA CLARA RIVER FROM STA. 13+00 TO 23+50 SHALL BE REMOVED TO A MINIMUM 3-FT BELOW GROUND AND DISPOSED OF AT AN APPROVED OFFSITE LOCATION.

SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\B2045_SANTACLARARIVERLEVEE_SCR3_PH2_DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-004 SHEET 4.DWG

REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 300
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

8/1/2024
R.C.E.

DESIGNED	NZ	DATE	8/14/2024
DRAWN	NZ, EC	DATE	8/15/2024
CHECKED	AL	DATE	8/16/2024

Watershed Project Manager
Watershed Deputy Director
Watershed Director

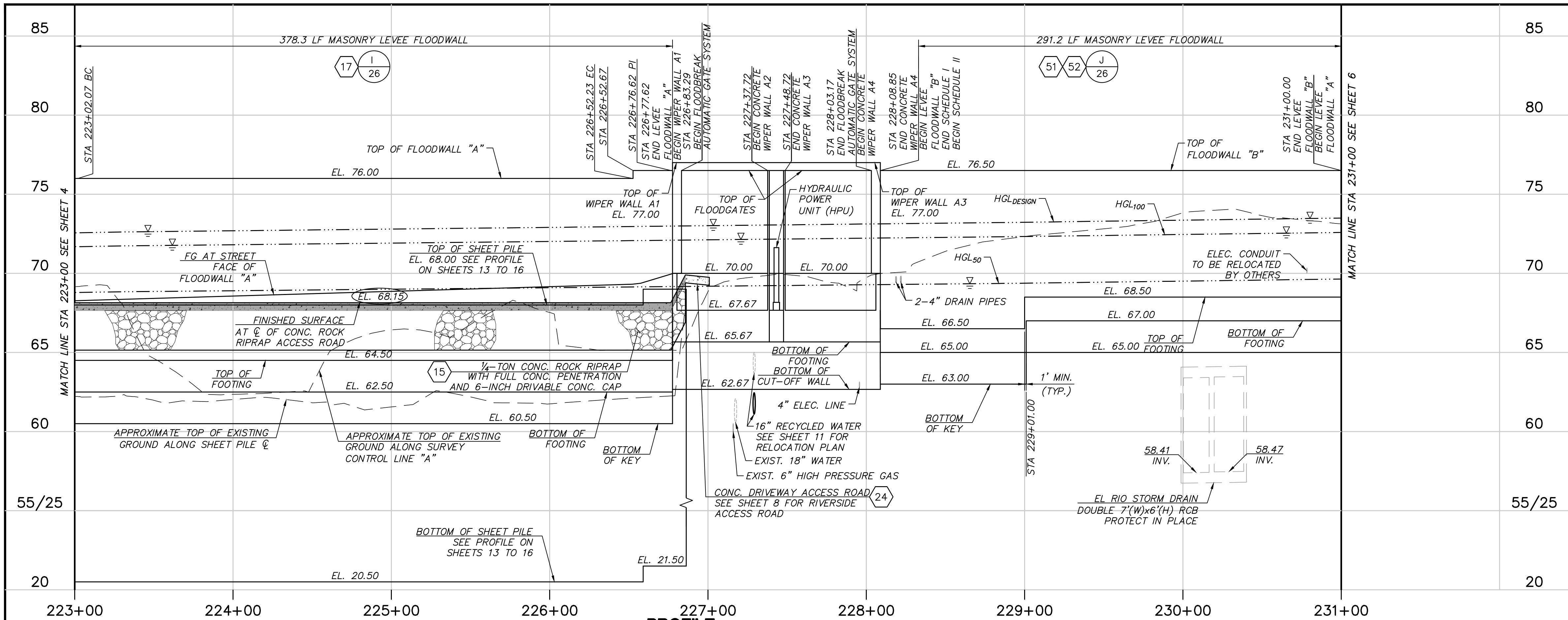
**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION**

SPEC. NO.
WP25-05
PROJ. NO.
82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
PLAN AND PROFILE STA 214+05.19 TO STA 223+00.00**

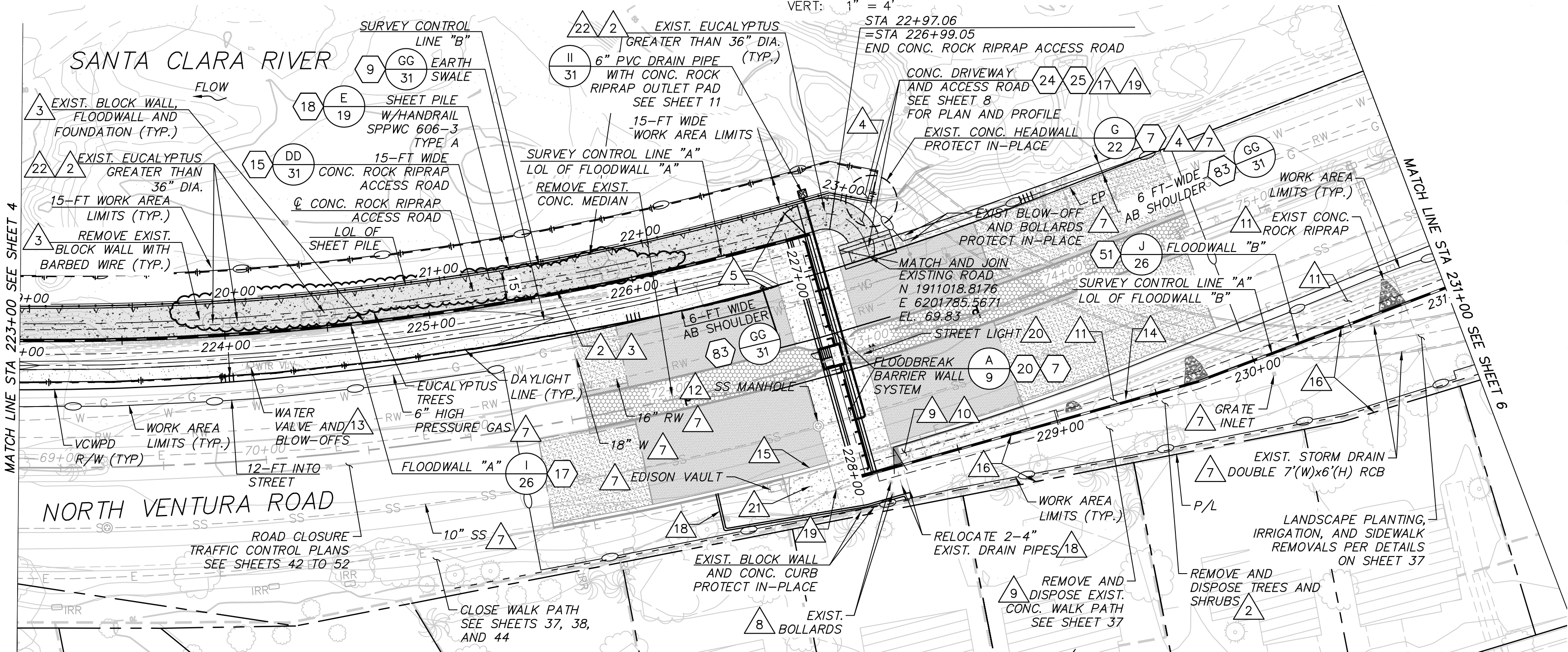
SHEET 4 OF 62
DRAWING NO. WPD-2-388





PROFILE

SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'



PLAN



NOTES:

1. WORK AREA LIMITS SHALL BE STAKED WITH VISIBLE FLAGGING AND ALL EQUIPMENT SHALL BE OPERATED WITHIN THE WORK AREA LIMITS.
2. ALL EXISTING VEGETATION INCLUDING BUT NOT LIMITED TO, LIMBS, GRASSES, VINES, TREES, DOWNED TREES, STUMPS, LOGS, BUSHES, SHRUBS, WILLOWS, GIANT REEDS, EUCALYPTUS, OLIVES, PALMS, AND PEPPERS WITHIN THE WORK AREA LIMITS SHALL BE REMOVED TO A MINIMUM 3-FT BELOW GRADE AND DISPOSED OF AT AN APPROVED OFFSITE LOCATION.
3. REMOVE AND DISPOSE OF ALL MATERIALS WITHIN THE WORK AREA LIMITS INCLUDING, BUT NOT LIMITED TO, EXISTING CONCRETE ROCK RIPRAP, BROKEN CONCRETE SLABS, CONCRETE RUBBLE, MASONRY BLOCK WALL, ABANDONED IRRIGATION PIPES, WATER LINES, ELECTRICAL CONDUITS, WOOD AND METAL SCRAPS, HOUSEHOLD APPLIANCES, SCRAP CARS, BARB WIRE, EQUIPMENT PARTS, PLASTIC, TRASH, DEBRIS, ETC. WITHIN THE WORK AREA LIMITS TO AN APPROVED OFFSITE LOCATION.
4. REMOVE AND DISPOSE OF INTERFERING PORTIONS OF EXISTING ROCK RIPRAP AND CONC. ROCK RIPRAP BANK PROTECTION. ALL INTERFERING ROCK SHALL BE REMOVED PRIOR TO PLACING SHEET PILE (TYPICAL).
5. INSTALL 15-FT WIDE BY 5-FT HIGH SINGLE LEAF CHAIN LINK GATE.
6. EXISTING HIGH PRESSURE GAS LINE UNDER FLOODBREAK GATE AND THE EXISTING HIGH PRESSURE GAS RISER, HAS BEEN RELOCATED OR WILL BE RELOCATED BY THE GAS COMPANY PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COOPERATE AND COORDINATE WITH THE GAS COMPANY.
7. PROTECT ALL EXISTING FACILITIES IN-PLACE WITHIN THE WORK AREA LIMITS UNLESS OTHERWISE NOTED ON THE PLANS. SEE SHEET 11 FOR UTILITY IMPROVEMENTS.
8. REMOVE AND DISPOSE EXISTING BOLLARDS. CONTRACTOR SHALL INSTALL REMOVABLE, STEEL BOLLARDS AT THE SAME LOCATION AFTER COMPLETION OF CONC. WALKWAY.
9. REMOVE AND DISPOSE OF INTERFERING EXISTING CONCRETE SIDEWALK AND WALK PATH, DRIVEWAY, CURB AND GUTTER.
10. CONSTRUCT CONCRETE SIDEWALK AND CONCRETE WALK PATH.
11. REMOVE AND DISPOSE INTERFERING CONC. ROCK RIPRAP.
12. ADJUST SEWER MANHOLE TO FINISHED GRADE. SEE SHEET 10 FOR RIM ELEVATION.
13. ADJUST WATER VALVE AND BLOW-OFFS TO FINISHED GRADE.
14. CONSTRUCT 1/4-TON CONCRETED ROCK RIPRAP ON VENTURA ROAD SIDE OF FLOODWALL BETWEEN EXISTING CONC. ROCK RIPRAP AND FLOODWALL FROM STA 228+00 TO STA 236+90.
15. CONSTRUCT CONCRETE CURB AND GUTTER TO MATCH EXISTING.
16. ALL EXISTING TREES AND LANDSCAPE WITHIN NEW FLOODWALL AND EXISTING BLOCK WALL SHALL BE REMOVE AND DISPOSED OF AT AN APPROVED OFFSITE LOCATION.
17. CONSTRUCT 8" THICK CONCRETE DRIVEWAY PER SPPWC-110-2 TYPE "A" (W=20') (Y=5'-8").
18. REMOVE AND DISPOSE OF INTERFERING DRAIN PIPES. INSTALL 4" DRAIN PIPES PER LOCATION SHOWN ON SHEET 11.
19. CONSTRUCT 8" THICK ACCESS DRIVE WITH #4 REBAR 12" O.C. EACH WAY, WITH EXPANSION JOINT EVERY 10-FT.
20. CONTRACTOR SHALL NOTIFY, COORDINATE AND COOPERATE WITH SOUTHERN CALIFORNIA EDISON (SCE) EIGHT WEEKS PRIOR TO REMOVAL OF CONCRETE MEDIAN, SCE WILL DE-ENERGIZE THE EXISTING STREET LIGHT AND RELOCATE TO STA. 73+00.
21. CONSTRUCT 8-INCH THICK CONCRETE DRIVEWAY PER SPPWC-110-2 TYPE B (W=20'), (Y=5'-8"), (X=4').
22. ALL EXISTING EUCALYPTUS TREES, ALONG SOUTH BANK OF SANTA CLARA RIVER FROM STA. 13+00 TO STA. 23+50 SHALL BE REMOVED TO A MINIMUM 3-FT BELOW GROUND AND DISPOSED OF AT AN APPROVED OFFSITE LOCATION.

DATE: 7/23/24

SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVERLEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-005 SHEET 5.DWG

D				
C				
B				
A				
Δ	REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

8/1/2024
R.C.E.

DESIGNED	NZ	DATE	8/14/2024
DRAWN	NZ, EC	DATE	8/15/2024
CHECKED	AL	DATE	8/16/2024
		DATE	

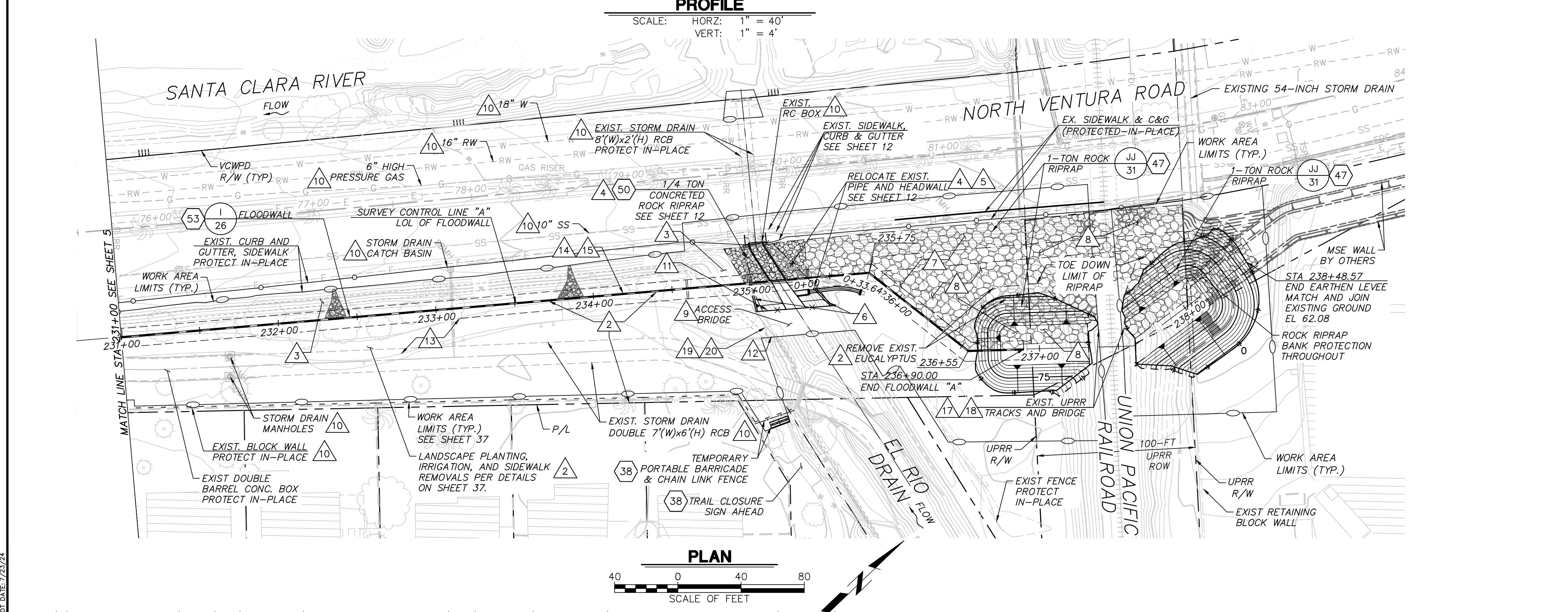
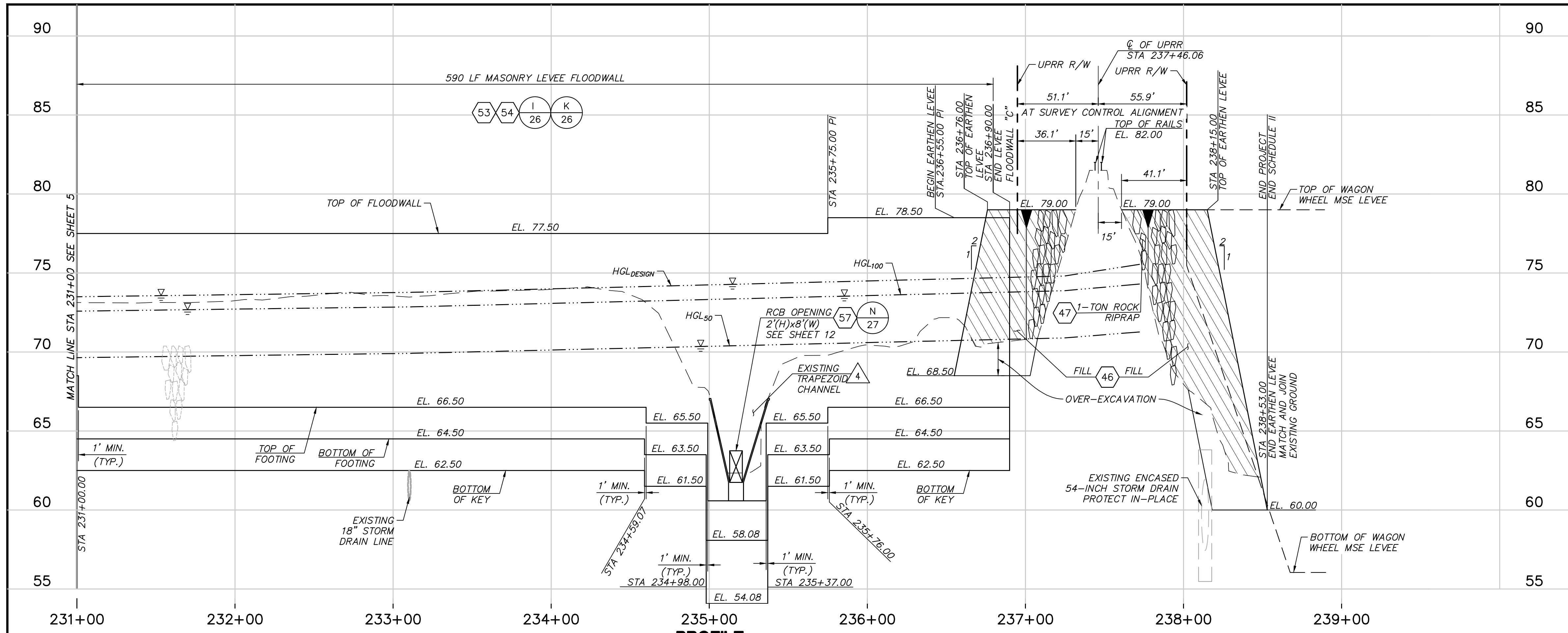
**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION**

SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
PLAN AND PROFILE STA 223+00.00 TO STA 231+00.00

SHEET	5
OF	62
DRAWING NO.	WPD-2-388





NOTES:

1. WORK AREA LIMITS SHALL BE STAKED WITH VISIBLE FLAGGING AND ALL EQUIPMENT SHALL BE OPERATED WITHIN THE WORK AREA LIMITS.
2. ALL EXISTING VEGETATION, TREES, DOWNED TREES, STUMPS, LOGS, BUSHES, SHRUBS, WILLOWS, GIANT REEDS, EUCALYPTUS, OLIVES, PALMS, PEPPER, ETC. WITHIN THE WORK AREA LIMITS, SHALL BE REMOVED TO MINIMUM 3-FT BELOW GRADE AND DISPOSED OF AT AN APPROVED OFFSITE LOCATION.
3. CONTRACTOR SHALL PROTECT THE EXISTING CONCRETED ROCK RIPRAP IN-PLACE. DAMAGED OR REMOVED ROCK RIPRAP SHALL BE PLACED IN-KIND OR BETTER TO THE SATISFACTION OF THE PROJECT ENGINEER.
4. CONTRACTOR SHALL SAWCUT, REMOVE AND DISPOSE EXISTING CONCRETE TRAPEZOIDAL CHANNEL INVERT, BANK, STORM DRAIN PIPE HEADWALL, STEEL TUBE FENCE, AND CHAIN LINK FENCE. THE EXISTING CONCRETE CATCH BASIN AND HEADWALL AT VENTURA ROAD SHALL BE REMOVED TO THE LIMITS SHOWN ON SHEET 12.
5. CONSTRUCT CONCRETE CHANNEL AND RC OUTLET STRUCTURE A.
6. INSTALL 5-FT HIGH CHAIN LINK FENCE WITH TOP RAIL.
7. PLACE 4-FT THICK 1-TON ROCK RIPRAP BETWEEN THE FLOODWALL AND EXISTING SIDEWALK.
8. REMOVE EXISTING BOULDERS AND ROCKS. WITHIN RAIL ROAD RIGHT-OF-WAY.
9. CONTRACTOR SHALL PROTECT THE EXISTING ACCESS BRIDGE IN-PLACE. ANY DAMAGE SHALL BE REPAIRED IN-KIND OR BETTER TO THE SATISFACTION OF THE PROJECT ENGINEER.
10. PROTECT ALL EXISTING FACILITIES IN-PLACE WITHIN THE WORK AREA LIMITS UNLESS OTHERWISE NOTED ON THE PLANS.
11. REMOVE AND DISPOSE EXISTING WROUGHT IRON FENCE DOWNSTREAM OF THE BRIDGE.
12. CONTRACTOR SHALL PROTECT THE EXISTING FENCE IN-PLACE. DAMAGED OR REMOVED FENCE SHALL BE REPLACED IN-KIND OR BETTER TO THE SATISFACTION OF THE PROJECT ENGINEER.
13. REMOVE AND DISPOSE EXISTING CONCRETE WALK PATH.
14. REMOVE AND DISPOSE INTERFERING CONC. ROCK RIPRAP THROUGHOUT THE FLOODWALL.
15. CONSTRUCT 1/4-TON CONCRETED ROCK RIPRAP ON VENTURA ROAD SIDE OF THE FLOODWALL BETWEEN EXISTING CONC. ROCK RIPRAP AND FLOODWALL FROM STA 228+00 TO STA 235+36.
16. CONTRACTOR SHALL MEET ALL THE UPRR REQUIREMENTS WHEN WORKING WITHIN THE UPRR RIGHT-OF-WAY.
17. PROTECT EXISTING RAILROAD TRACKS AND BRIDGE IN-PLACE. BRIDGE MEMBERS MUST REMAIN VISIBLE AT ALL TIMES FOR INSPECTIONS. LOADING OF ANY BRIDGE MEMBERS IS NOT PERMITTED. PLACEMENT OF NEW ROCK RIPRAP SHALL MATCH AND JOIN THE EXISTING ROCK AND EMBANKMENT SLOPE AT THE SATISFACTION OF THE FIELD ENGINEER.
18. A MINIMUM OF 15-FEET OF SEPARATION BETWEEN THE CENTER OF THE UPRR TRACKS AND PROPOSED IMPROVEMENTS SHALL BE MAINTAINED AT ALL TIMES. CONSTRUCTION PERSONNEL AND EQUIPMENT SHALL NOT CROSS OVER THE TRACKS AT ANY TIME.
19. REMOVE AND DISPOSE EXISTING DOUBLE LEAF GATE.
20. INSTALL 18-FT WIDE BY 5-FT HIGH DOUBLE LEAF CHAIN LINK GATE.

REVISION	DESCRIPTION	APP.	DATE

Michael Baker International
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@INTL.COM

8/1/2024
 R.C.E. DATE

DESIGNED	NZ	DATE	8/14/2024
DRAWN	NZ, EC	DATE	8/15/2024
CHECKED	AL	DATE	8/16/2024

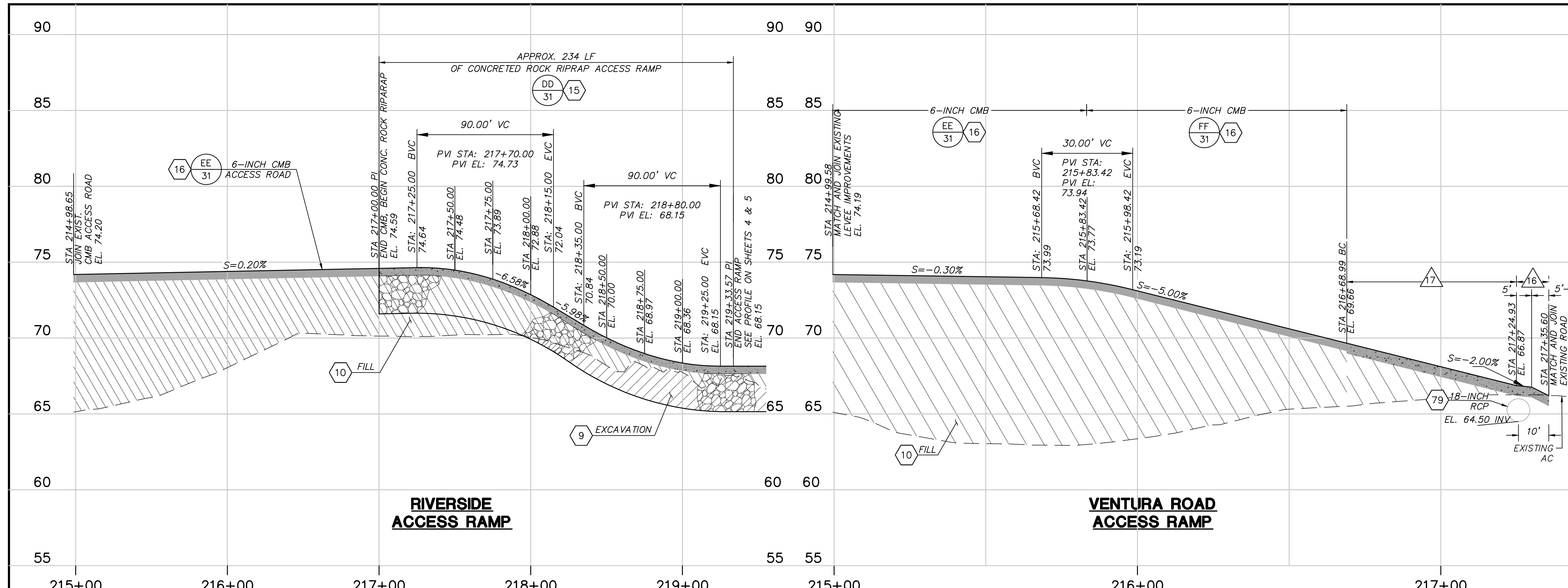
VENTURA COUNTY PUBLIC WORKS AGENCY
WATERSHED PROTECTION

SPEC. NO.	WP25-05
PROJ. NO.	82045

SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 PLAN AND PROFILE STA 231+00.00 TO STA 238+28.95

SHEET	6
OF	62
DRAWING NO.	WPD-2-388

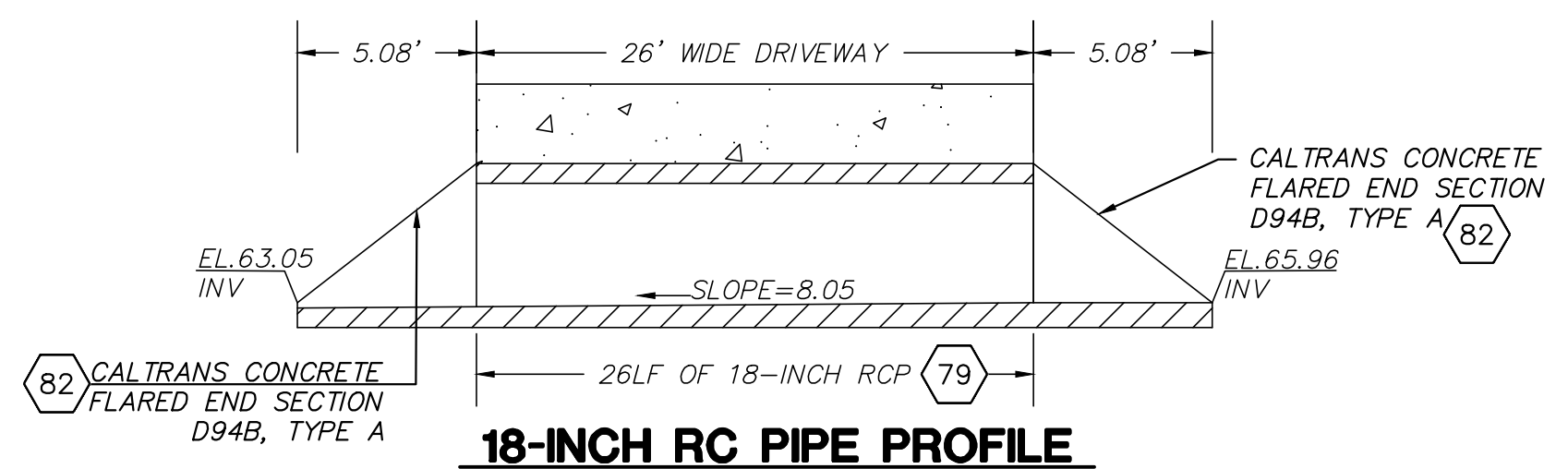




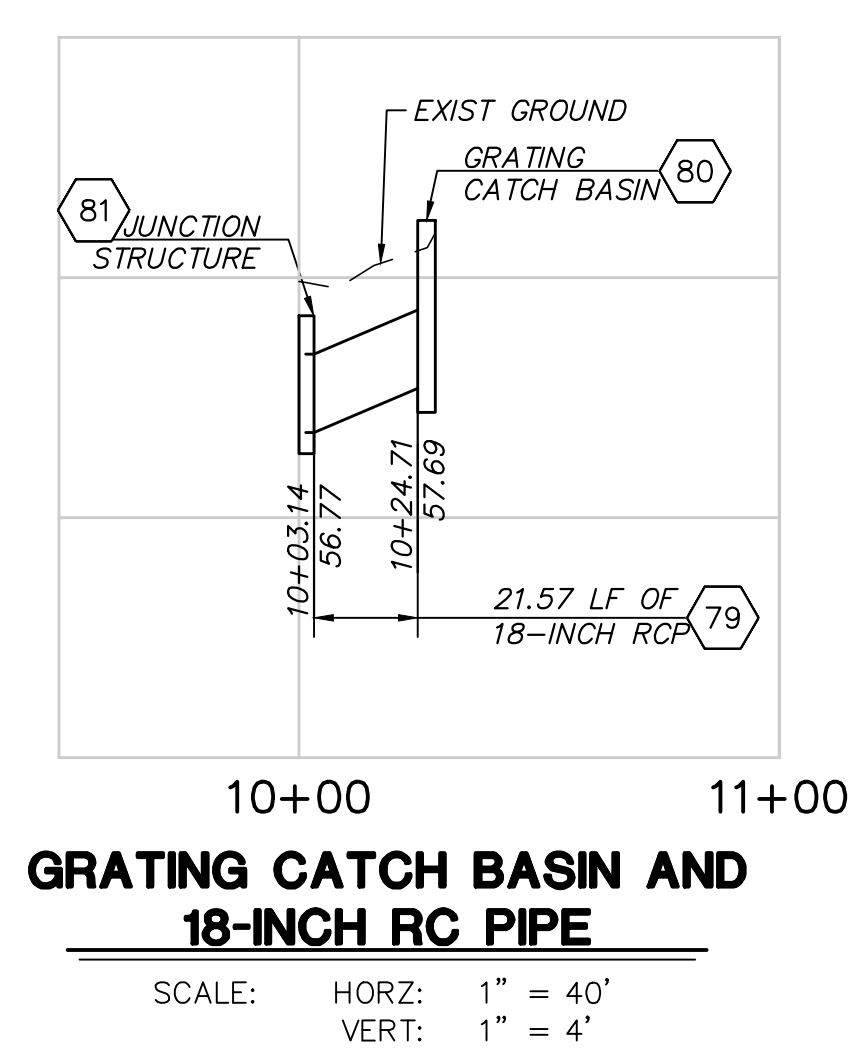
- NOTES:**
1. WORK AREA LIMITS SHALL BE STAKED WITH VISIBLE FLAGGING AND ALL EQUIPMENT SHALL BE OPERATED WITHIN THE WORK AREA LIMITS.
 2. ALL EXISTING VEGETATION, TREES, DOWNED TREES, STUMPS, LOGS, BUSHES, SHRUBS, WILLOWS, REEDS, EUCALYPTUS, OLIVES, PALMS, PEPPER, ETC. WITHIN THE WORK AREA LIMITS SHALL BE REMOVED TO MINIMUM 3'-FT BELOW GRADE AND DISPOSED OF AT AN APPROVED OFFSITE LOCATION.
 3. REMOVE AND DISPOSE OF EXISTING CONCRETE ROCK RIPRAP, BROKEN CONCRETE SLABS, CONCRETE RUBBLE, MASONRY BLOCK WALL, BARB WIRE FENCE, CHAIN LINK FENCE AND GATE, PIPE RAIL FENCE, ABANDONED IRRIGATION PIPES, WATER LINES, ELECTRICAL CONDUITS, WOOD AND METAL SCRAPS, HOUSEHOLD APPLIANCES, SCRAP CAR, EQUIPMENT PARTS, PLASTIC, TRASH, DEBRIS, ETC. WITHIN THE WORK AREA LIMITS TO AN APPROVED OFFSITE LOCATION.
 4. REMOVE, STOCKPILE ONSITE, AND REINSTALL INTERFERING PORTION OF EXISTING ROCK RIPRAP BANK PROTECTION. ALL INTERFERING ROCK SHALL BE REMOVED PRIOR TO PLACING SHEET PILE (TYPICAL).
 5. CONTRACTOR SHALL REMOVE AND DISPOSE EXISTING CMB, AC AND PMD AT AN APPROVED OFFSITE LOCATION AND SCARIFY THE ACCESS ROAD PRIOR TO PLACING FILL MATERIAL.
 6. INSTALL 20'-FT WIDE BY 5'-FT HIGH DOUBLE LEAF CHAIN LINK GATE.
 7. EXISTING TRAFFIC SIGNS SHALL BE PROTECTED IN-PLACE OR RE-ESTABLISHED AT THE END OF PROJECT (TYPICAL).
 8. INSTALL 5'-FT HIGH CHAIN LINK FENCE WITH TOP RAIL.
 9. INSTALL 15'-FT WIDE BY 5'-FT HIGH SINGLE LEAF CHAIN LINK GATE.
 10. CONTRACTOR SHALL NOTIFY THE GAS COMPANY TO COORDINATE THEIR PRESENCE DURING SHEET PILE INSTALLATION OPERATIONS.
 11. CONTRACTOR SHALL COOPERATE AND COORDINATE WITH THE GAS COMPANY FOR ADJUSTMENT OF EXISTING HIGH PRESSURE GAS RISER. CONTRACTOR SHALL NOTIFY THE GAS COMPANY PRIOR TO CONSTRUCTION TO COORDINATE THE FINAL ELEVATION.
 12. CONTRACTOR SHALL EXCAVATE AND REMOVE THE EXISTING 16'-6" DEEP BY 5'-FT DIAMETER CONCRETE WELL.
 13. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING FENCE AND GATE.
 14. CONTRACTOR SHALL REMOVE AND DISPOSE THE INTERFERING ABANDONED STEEL PIPE AND FILL THE REMAINING STEEL PIPE WITH CONCRETE.
 15. PROTECT ALL EXISTING FACILITIES IN-PLACE WITHIN THE WORK AREA LIMITS UNLESS OTHERWISE NOTED ON THE PLANS.
 16. CONSTRUCT 9'-INCH THICK AC PAVEMENT DRIVEWAY APPROACH PER SPPWC-110-2 TYPE 'A', (W=20'), (Y=5'-8"), (X=4).
 17. CONSTRUCT 9'-INCH THICK CONCRETE DRIVEWAY WITH #4 REBAR 12'-INCH O.C. EACH WAY WITH EXPANSION JOINT EVERY 10'-FT.

LINE 'D' PROFILE
SCALE: HORZ: 1" = 40'
VERT: 1" = 4'

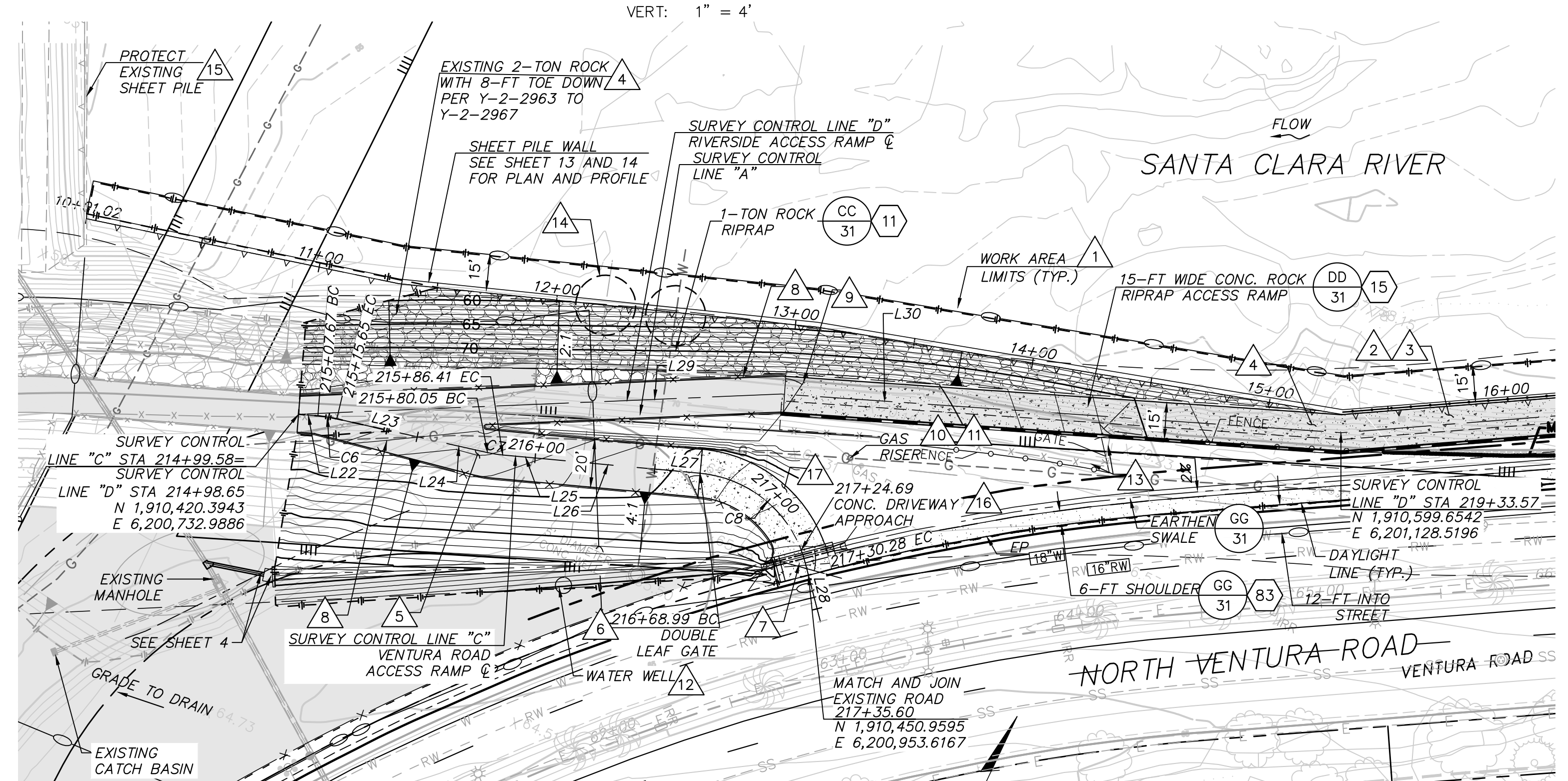
LINE 'C' PROFILE
SCALE: HORZ: 1" = 20'
VERT: 1" = 4'



18-INCH RC PIPE PROFILE



GRATING CATCH BASIN AND 18-INCH RC PIPE
SCALE: HORZ: 1" = 40'
VERT: 1" = 4'



PLAN
SCALE OF FEET

CURVE DATA TABLE					STATION	
NO.	DELTA	RADIUS	LENGTH	TANGENT	BC	EC
C6	8°52'30"	51.53'	7.98'	4.00'	215+07.67	215+15.65
C7	7°17'34"	50.00'	6.36'	3.19'	215+80.05	215+86.41
C8	7°01'35"	50.00'	61.29'	35.16'	216+68.98	217+30.27

LINE DATA TABLE		
NO.	BEARING	LENGTH
L22	N69°10'14"E	8.09'
L23	N77°11'53"E	39.89'
L24	N77°11'53"E	24.51'
L25	N69°54'19"E	19.05'
L26	N69°54'19"E	50.00'
L27	N69°54'19"E	13.52'
L28	S39°51'51"E	25.37'
L29	N62°12'35"E	201.35'
L30	N68°33'30"E	233.57'



REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker International
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

DESIGNED: NZ
DATE: 8/14/2024

DRAWN: NZ, EC
DATE: 8/15/2024

CHECKED: AL
DATE: 8/16/2024

APPROVED: [Signature]
DATE: 8/1/2024

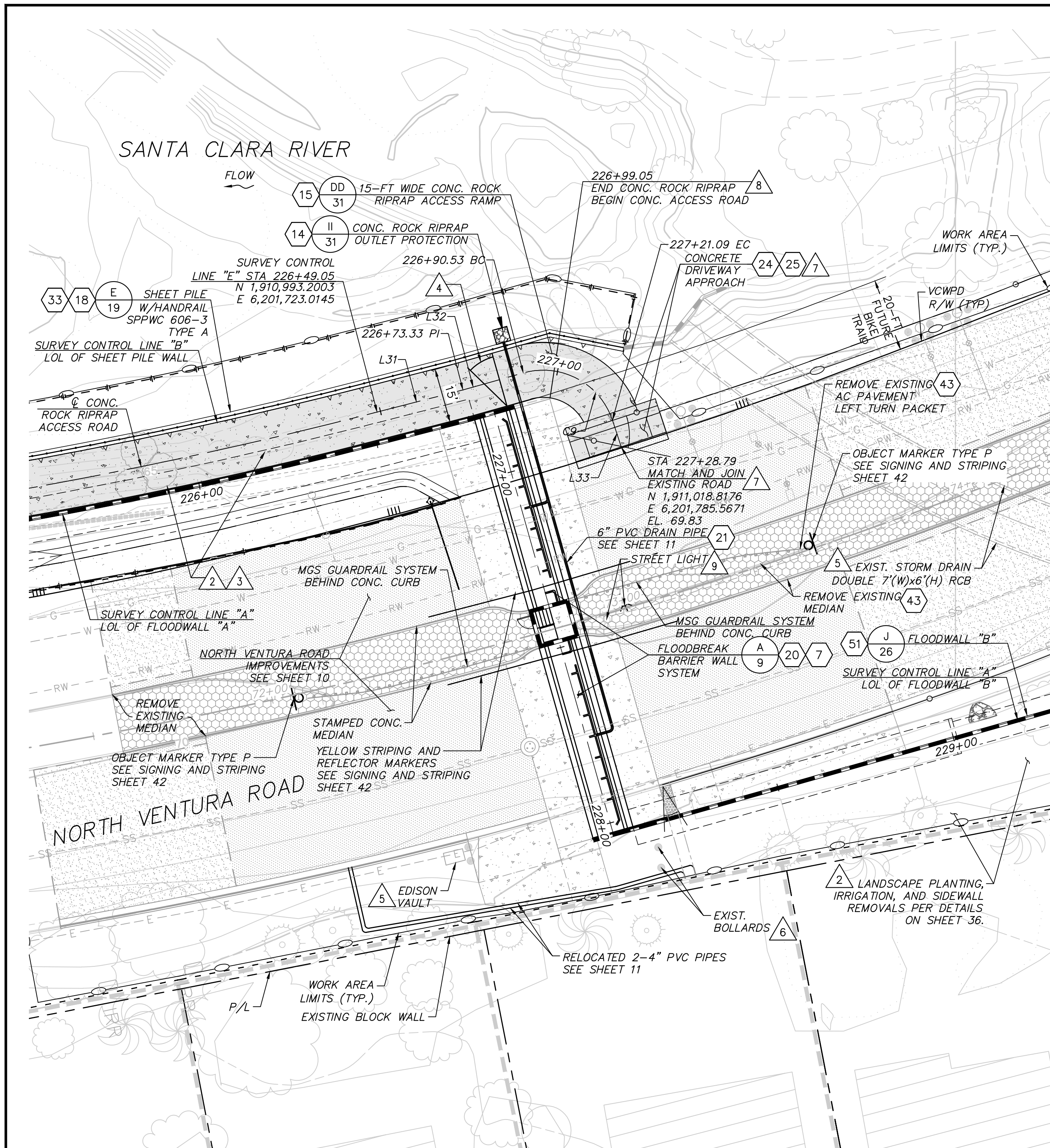
VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

WATERSHED PROJECT MANAGER: [Signature] 8/14/2024
WATERSHED DEPUTY DIRECTOR: [Signature] 8/15/2024
WATERSHED DIRECTOR: [Signature] 8/16/2024

SPEC. NO. WP25-05
PROJ. NO. 82045

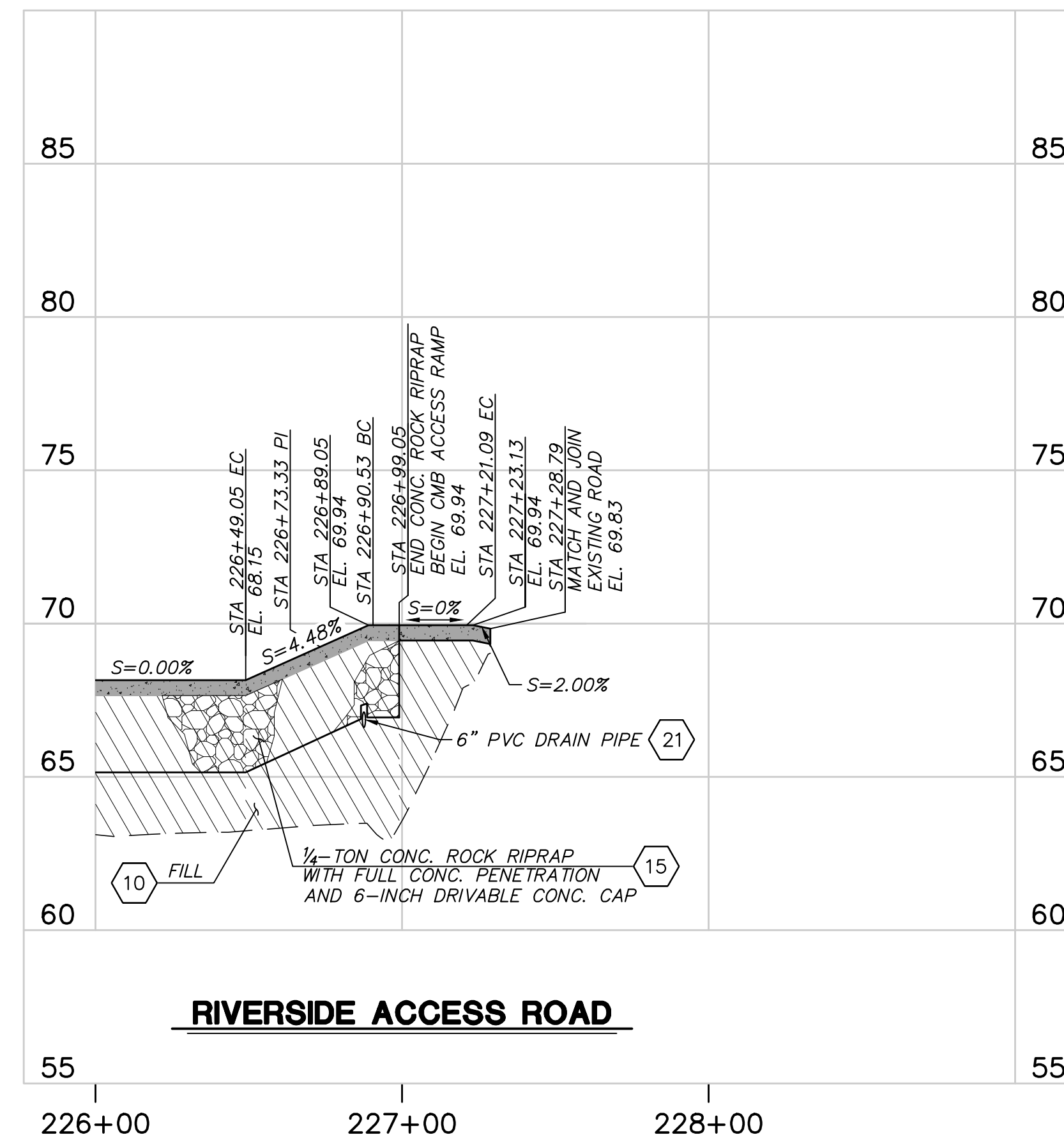
SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
MISCELLANEOUS RAMP PROFILES

SHEET 7 OF 62
DRAWING NO. WPD-2-388



**FLOODBREAK WALL LAYOUT
AT NORTH VENTURA ROAD**

SCALE: 1"=20'

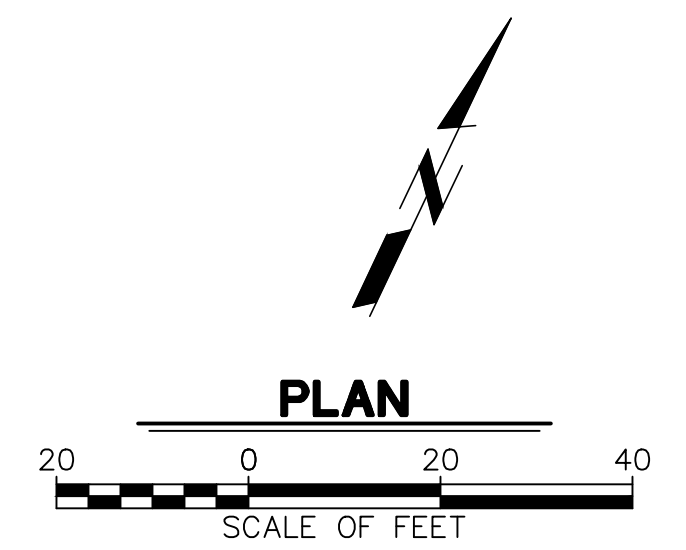


NOTES:

1. WORK AREA LIMITS SHALL BE STAKED WITH VISIBLE FLAGGING AND ALL EQUIPMENT SHALL BE OPERATED WITHIN THE WORK AREA LIMITS.
2. ALL EXISTING VEGETATION, TREES, DOWNED TREES, STUMPS, LOGS, BUSHES, SHRUBS, WILLOWS, REEDS, EUCALYPTUS, OLIVES, PALMS, PEPPER, ETC. WITHIN THE WORK AREA LIMITS SHALL BE REMOVED TO MINIMUM 3-FT BELOW GRADE AND DISPOSED OF AT AN APPROVED OFFSITE LOCATION.
3. REMOVE AND DISPOSE OF EXISTING ROCK RIPRAP CONCRETED ROCK RIPRAP, BROKEN CONCRETE SLABS, CONCRETE RUBBLE, MASONRY BLOCK WALL, BARB WIRE FENCE, CHAIN LINK FENCE AND GATE PIPE RAIL FENCE, CONC. MEDIAN, ABANDONED IRRIGATION PIPES, WATER LINES, ELECTRICAL CONDUITS, WOOD AND METAL SCRAPS, HOUSEHOLD APPLIANCES, SCRAP CARS, EQUIPMENT PARTS, PLASTIC, TRASH, DEBRIS ETC. WITHIN THE WORK AREA LIMITS TO AN APPROVED OFFSITE LOCATION.
4. INSTALL 15-FT WIDE BY 5-FT HIGH SINGLE LEAF CHAIN LINK FENCE GATE.
5. PROTECT ALL EXISTING FACILITIES IN-PLACE WITHIN THE WORK AREA LIMITS UNLESS OTHERWISE NOTED ON THE PLANS.
6. REMOVE AND DISPOSE EXISTING BOLLARDS. CONTRACTOR SHALL INSTALL REMOVABLE, STEEL BOLLARDS AT THE SAME LOCATION AFTER COMPLETION OF CONC. WALKWAY.
7. CONSTRUCT 8" THICK CONCRETE DRIVEWAY APPROACH PER SPPWC-110-2 TYPE 'A' (W=20'), (Y=5'-8").
8. CONSTRUCT 9" THICK CONCRETE ROAD WITH #4 REBAR 12" O.C. EACH WAY, WITH EXPANSION JOINT EVERY 10-FT.
9. CONTRACTOR SHALL NOTIFY, COORDINATE AND COOPERATE WITH SOUTHERN CALIFORNIA EDISON (SCE) EIGHT WEEKS PRIOR TO REMOVAL OF CONCRETE MEDIAN, SCE WILL DE-ENERGIZE THE EXISTING STREET LIGHT AND RELOCATE TO STA. 73+00.

CURVE DATA TABLE					STATION	
NO.	DELTA	RADIUS	LENGTH	TANGENT	BC	EC
C9	87°32'24"	20.00'	30.56'	19.16'	226+86.56	227+19.20

LINE DATA TABLE		
NO.	BEARING	LENGTH
L31	N45°08'16"E	24.29'
L32	N43°49'08"E	17.20'
L33	S48°38'28"E	7.70'



SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\B2045_SANTACLARARIVER\VEE_SCR3_PH2_DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-008_SHEET 8.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

8/1/2024
R.C.E. DATE

DESIGNED	NZ	DATE	8/14/2024
DRAWN	NZ, EC	DATE	8/15/2024
CHECKED	AL	DATE	8/16/2024

**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION**

DESIGNED BY: [Signature]
WATERSHED PROJECT MANAGER
DATE: 8/14/2024

DRAWN BY: [Signature]
WATERSHED DESIGN DIRECTOR
DATE: 8/15/2024

CHECKED BY: [Signature]
WATERSHED DIRECTOR
DATE: 8/16/2024

SPEC. NO.	WP25-05
PROJ. NO.	82045

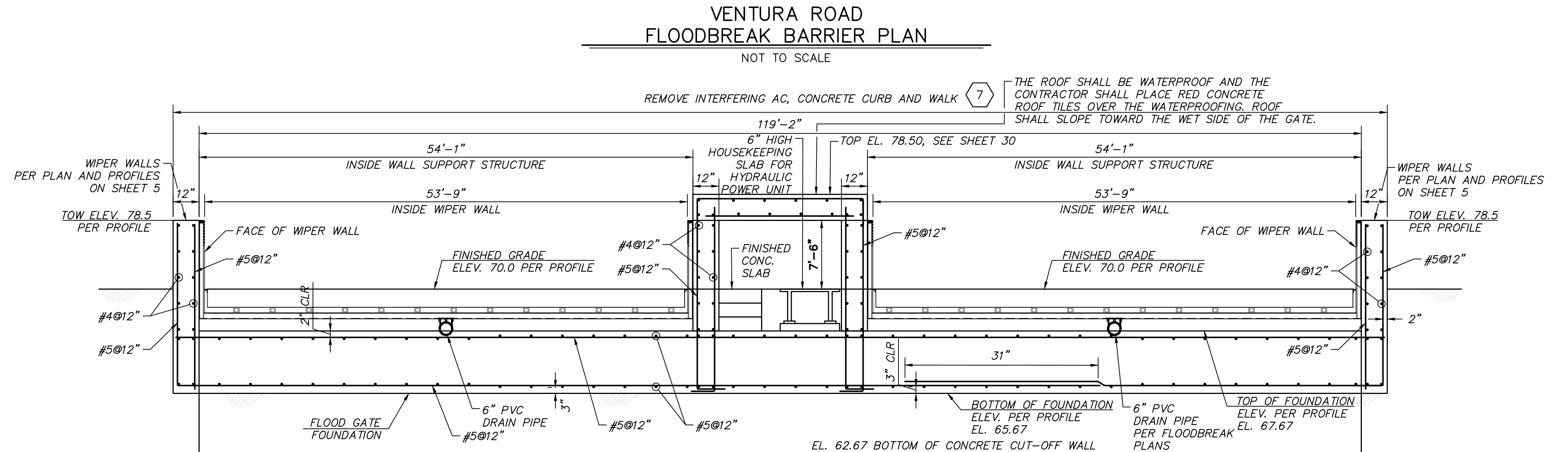
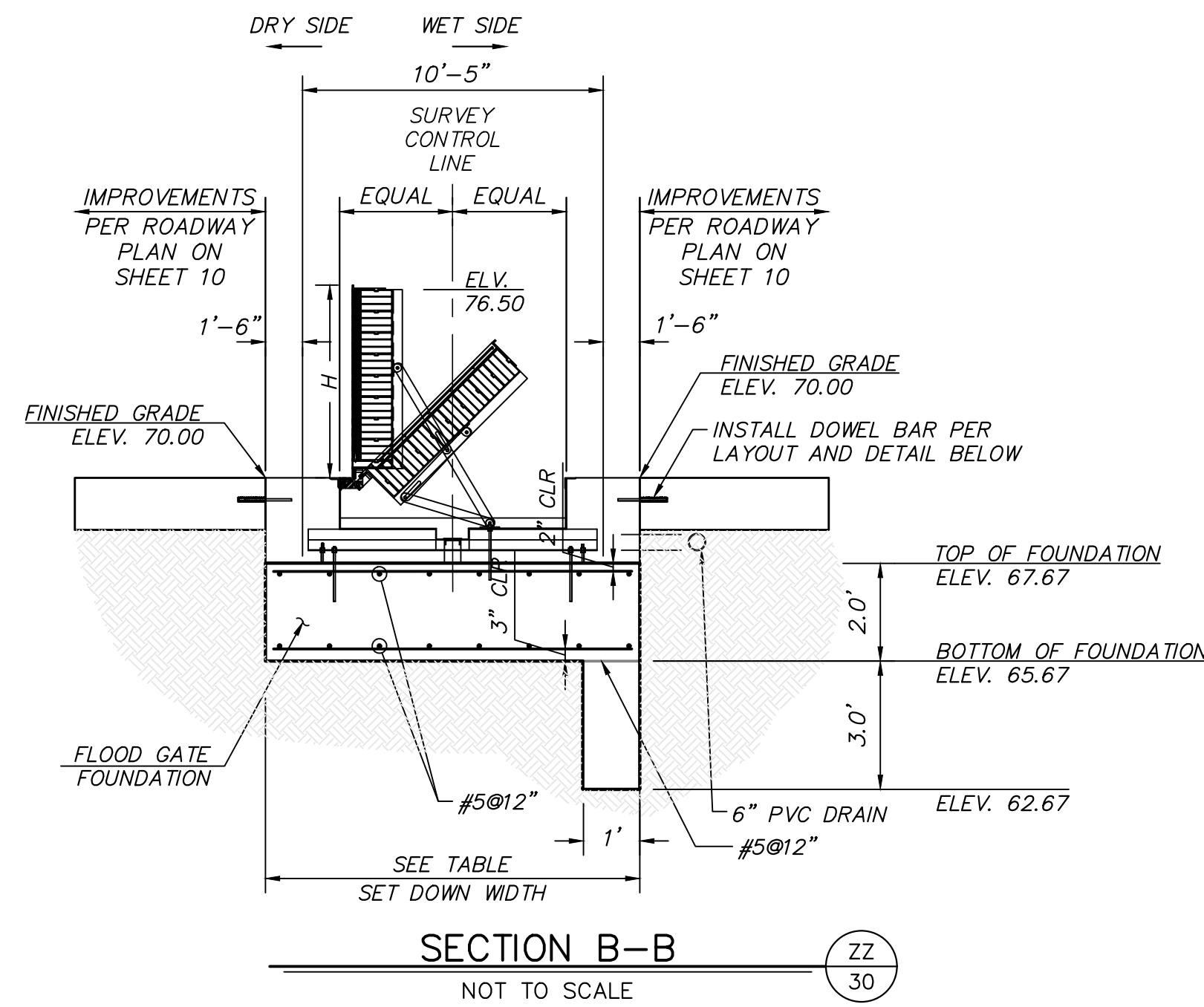
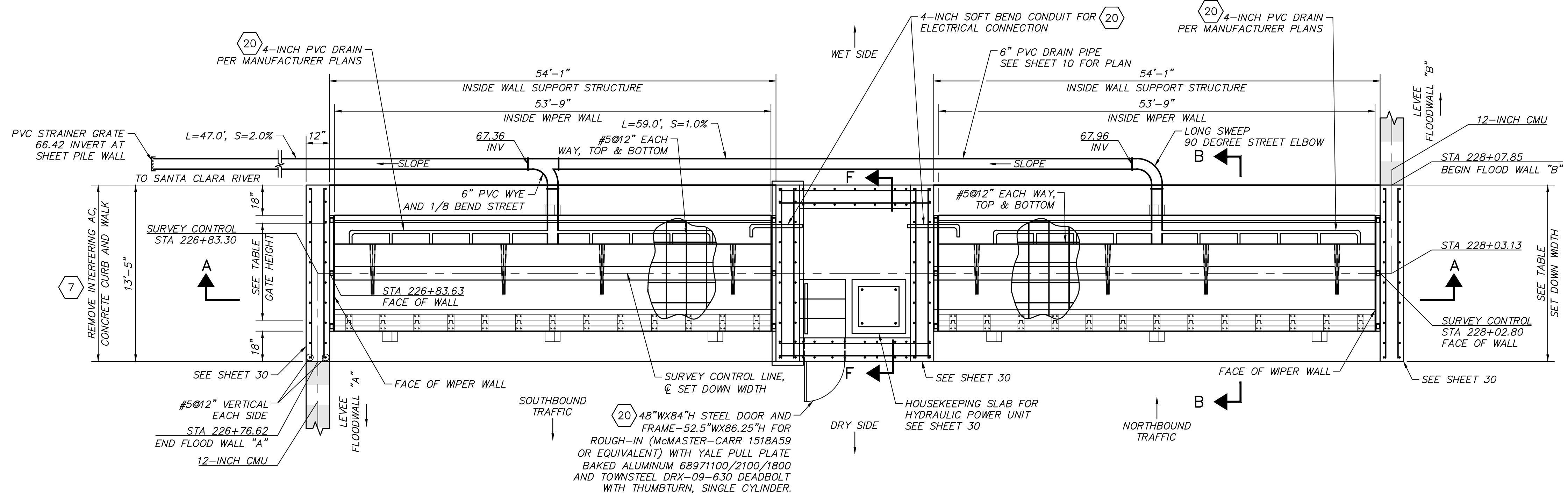
**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**

MISCELLANEOUS RAMP PROFILE

SHEET	8
OF	62
DRAWING NO.	WPD-2-388

VENTURA ROAD SOUTHBOUND GATE	
GATE LENGTH (L) INSIDE WIPER WALL	54'-1"
INSIDE WALL SUPPORT STRUCTURE	53'-9"
GATE HEIGHT (H)	6'-6"
SET DOWN WIDTH (W)	13'-5"
FINISHED GRADE ELEVATION AT HINGE	70.00
TOP OF FOUNDATION ELEVATION	67.67
BOTTOM OF FOUNDATION ELEVATION	65.67

VENTURA ROAD NORTHBOUND GATE	
GATE LENGTH (L) INSIDE WIPER WALL	54'-1"
INSIDE WALL SUPPORT STRUCTURE	53'-9"
GATE HEIGHT (H)	6'-6"
SET DOWN WIDTH (W)	13'-5"
FINISHED GRADE ELEVATION AT HINGE	70.00
TOP OF FOUNDATION ELEVATION	67.67
BOTTOM OF FOUNDATION ELEVATION	65.67



NOTES:
 1. TRANSVERSE JOINT SPACING MAY BE ADJUSTED TO NO LESS THAN 10' AND NO MORE THAN 14' TO CONFORM TO BRIDGES, CHANGE IN PAVEMENT TYPE, AND HARDENED CONCRETE PAVEMENT.

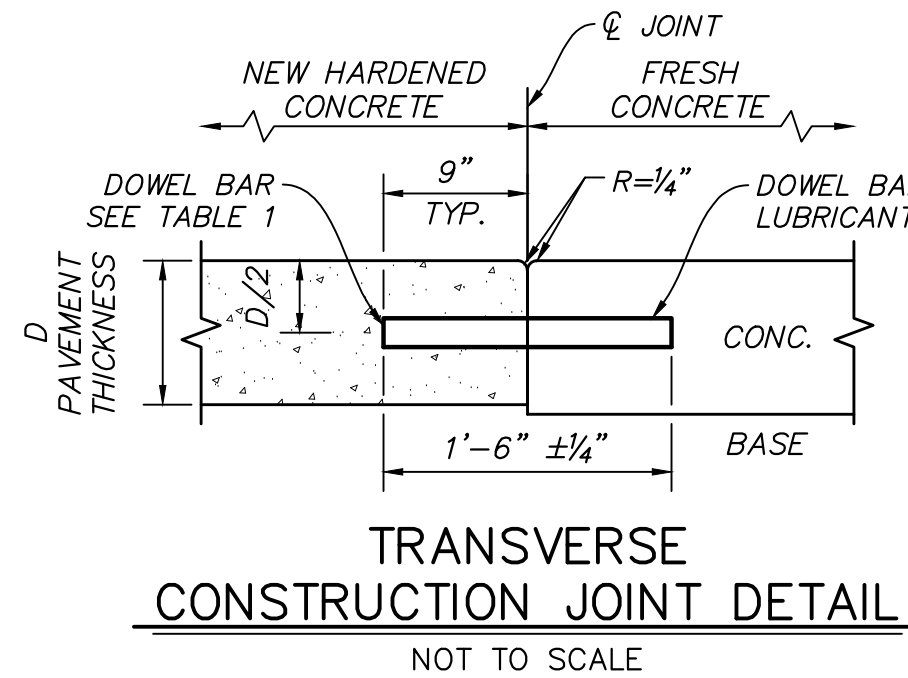
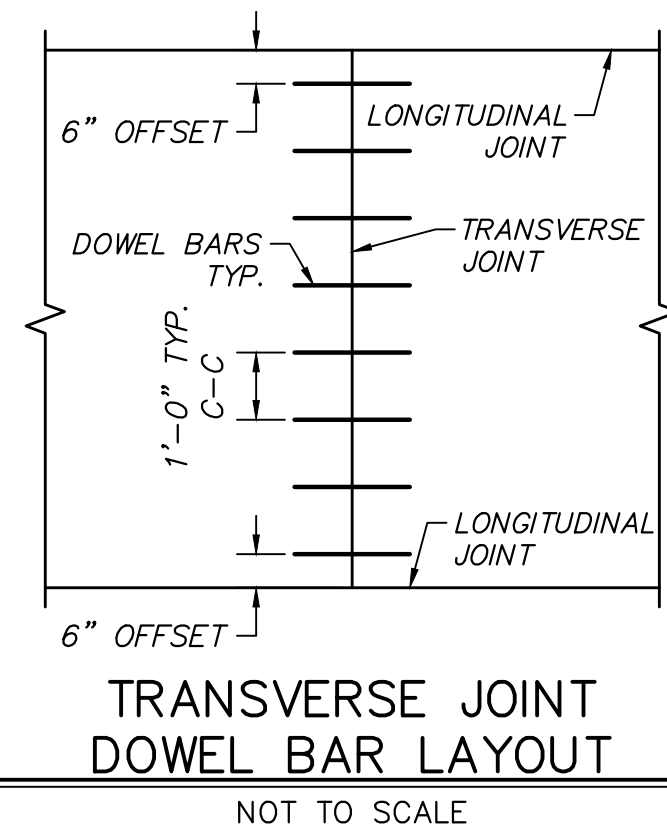
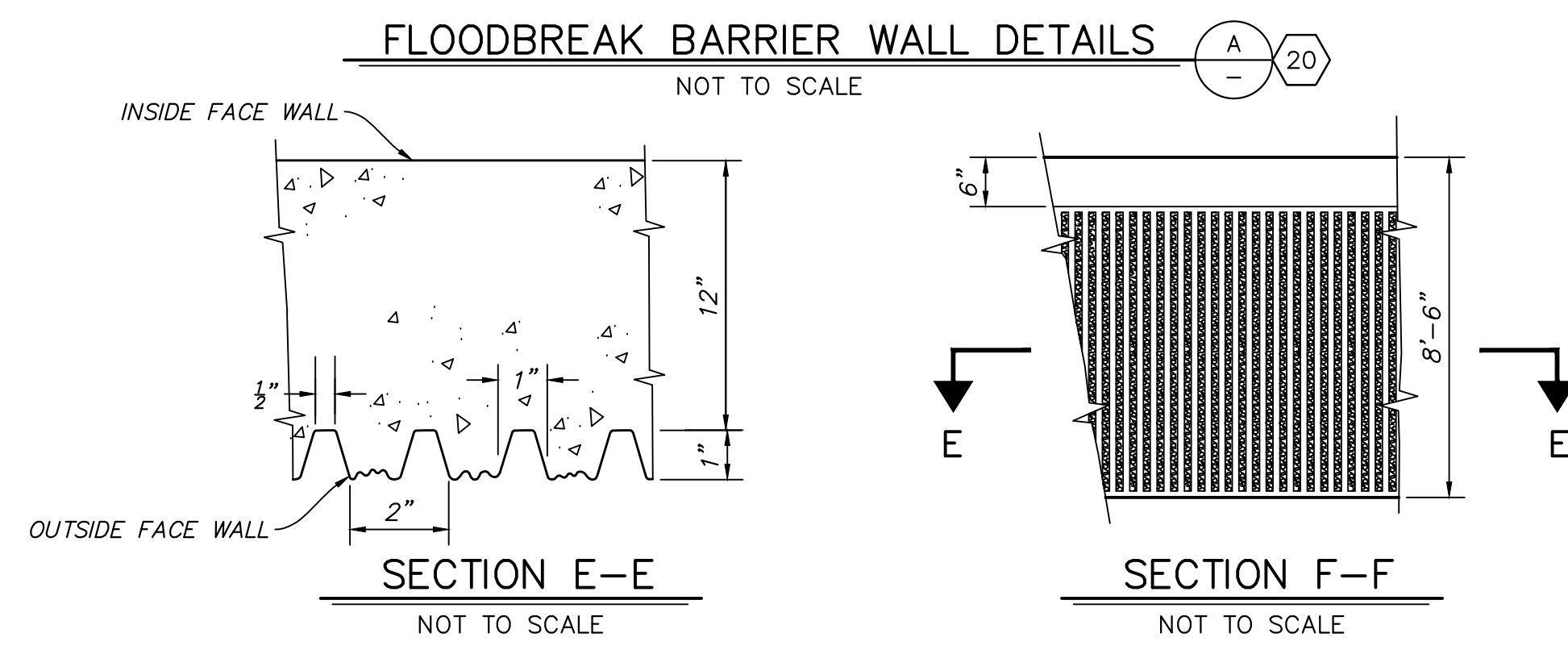


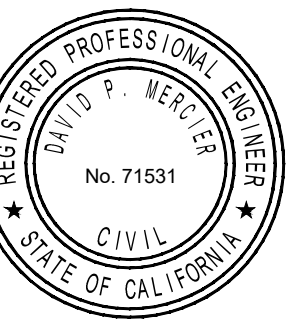
TABLE 1
 DOWEL BAR DIAMETER TABLE

PAVEMENT THICKNESS	0.65' > 0.65' - 0.85'	> 0.85'
MINIMUM DOWEL* BAR DIAMETER	1"	1 1/4"

*THE DRILLED HOLE DIAMETER MUST BE 1/8" TO 3/16" LARGER THAN THE BAR DIAMETER.



ARCHITECTURAL CONCRETE FINISH FOR OUTER FACE OF THE UTILITY WALLS
 NOT TO SCALE



SAVE DATE: 7/30/24 106664 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVER\LEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-009_SHEET 9.DWG

REVISION	DESCRIPTION	APP.	DATE
A			
B			
C			
D			

Michael Baker International
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 MBAKERINTL.COM

8/1/2024
 R.C.E. DATE

DESIGNED: NZ, EC 8/14/2024
 DRAWN: AL 8/15/2024
 CHECKED: 8/16/2024

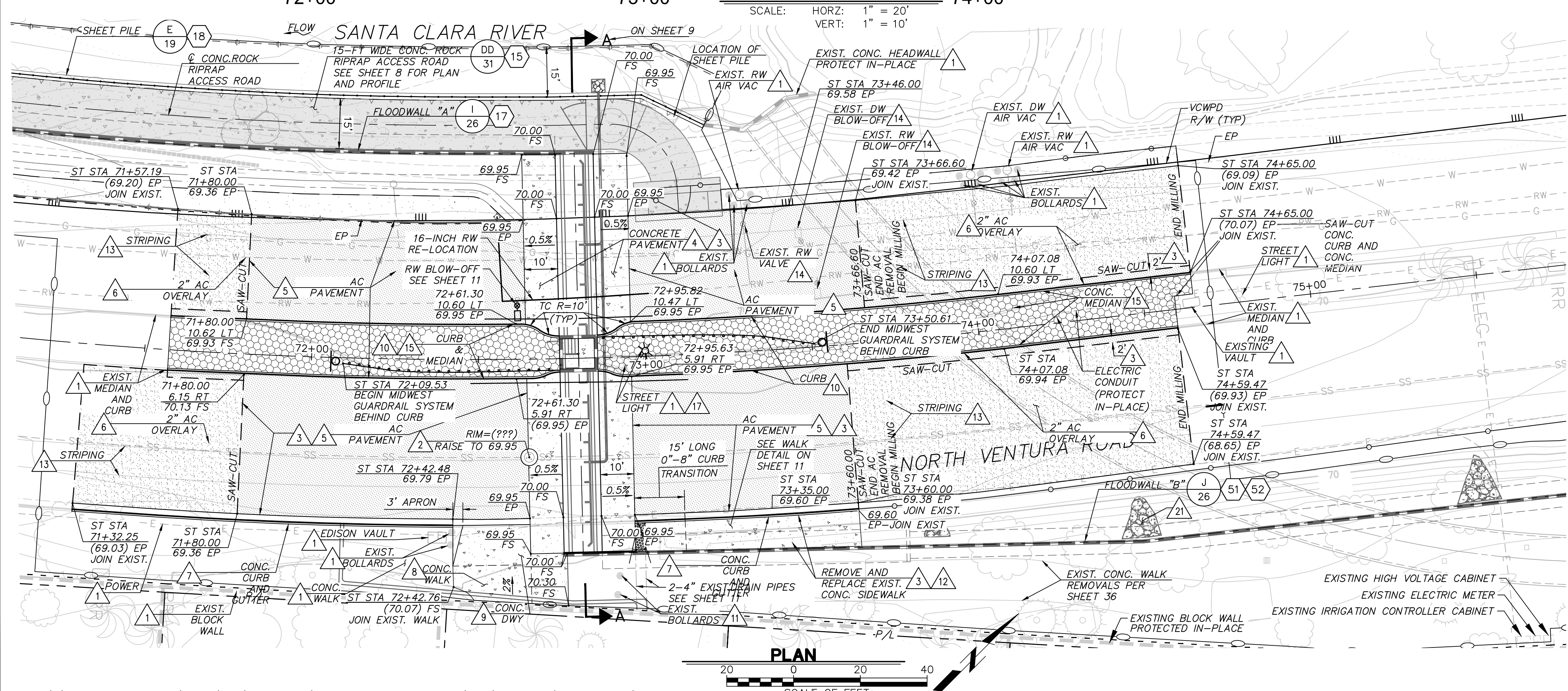
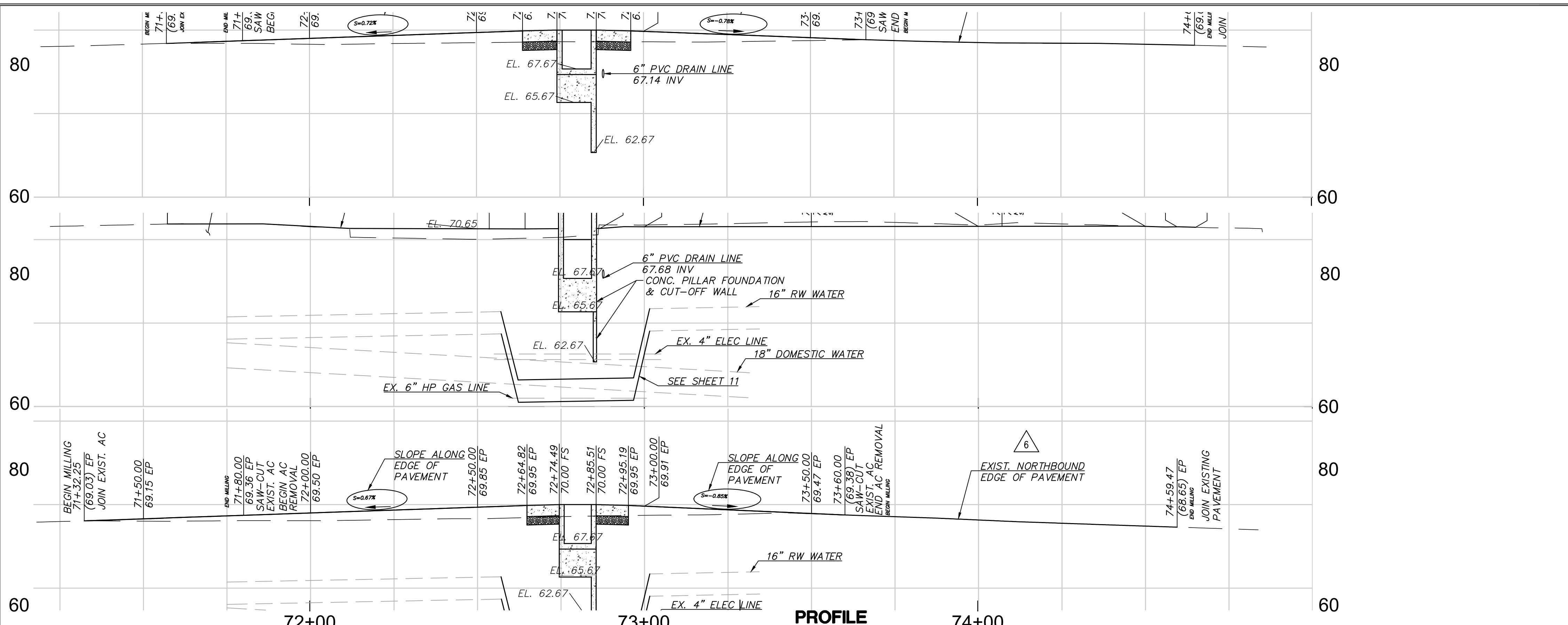
WATERSHED PROJECT MANAGER
 WATERSHED DEPUTY DIRECTOR
 WATERSHED DIRECTOR

VENTURA COUNTY
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION

SPEC. NO. WP25-05
 PROJ. NO. 82045

SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 FLOODBREAK BARRIER DETAILS

SHEET 9 OF 62
 DRAWING NO. WPD-2-388



- NOTES:**
- PROTECT ALL EXISTING FACILITIES IN-PLACE WITHIN THE WORK AREA LIMITS UNLESS OTHERWISE NOTED ON THE PLANS. ANY DAMAGE TO THE EXISTING IMPROVEMENTS SHALL BE REPAIRED/REPLACED IN KIND TO THE DISTRICT'S SATISFACTION AT THE CONTRACTOR'S OWN EXPENSE. (43)
 - ADJUST SEWER MANHOLE TO FINISHED GRADE. (43)
 - SAW-CUT, REMOVE AND DISPOSE EXISTING CONCRETE CURB, GUTTER, WALK, DRIVEWAY, AC PAVEMENT AND BASE AND INTERFERING GROUTED RIPRAP. (43)
 - RECOMPACT SUBBASE TO 95% RELATIVE COMPACTION. CONSTRUCT 8" THICK CONCRETE PAVEMENT (560-C-3250) ON 8" AB WITH #4 REBAR 12" O.C. EACH WAY. 16-FT MAX EXPANSION JOINT SPACING. INSTALL TRANSVERSE DOWEL BARS PER DETAIL ON SHEET 9. (26)
 - RECOMPACT BASE TO 95% RELATIVE COMPACTION. MATCH EXISTING AC PAVEMENT THICKNESS PLUS ONE INCH OVER 6-INCH PMB BASE. (69)
 - GRIND EXISTING AC PAVEMENT TO ACHIEVE A MINIMUM OF 2" OVERLAY AND MATCH FINISHED GRADES SHOWN PER PLAN. (70)
 - CONSTRUCT 8" CURB WITH 24" GUTTER PER CITY OF OXNARD STANDARD PLATE 111, TYPE A2-B. (68)
 - CONSTRUCT 8" THICK CONCRETE WALK AND ACCESS DRIVE WITH #4 REBAR 12" O.C. EACH WAY, PER CITY OF OXNARD STANDARD PLATE 112 AND 113. (65)
 - CONSTRUCT 8" THICK CONCRETE DRIVEWAY APPROACH PER SPPWC-110-2 TYPE "B" (W=20'), (Y=5'-B"), (X=4'). (63)
 - CONSTRUCT 8" CONCRETE MEDIAN CURB PER CITY OF OXNARD STANDARD PLATE 111, TYPE A1-B. (66)
 - REMOVE AND DISPOSE EXISTING BOLLARDS. CONTRACTOR SHALL INSTALL REMOVABLE, STEEL BOLLARDS AT THE SAME LOCATION AFTER COMPLETION OF CONC. WALKWAY. (71) (KK 31)
 - CONSTRUCT 4" THICK CONCRETE SIDEWALK PER CITY OF OXNARD STANDARD PLATE 112 AND 113. (65)
 - REPLACE EXISTING STRIPING IN KIND. (73)
 - ADJUST WATER VALVES AND BLOW-OFFS TO FINISHED GRADE. (43)
 - SAWCUT AND REMOVE INTERFERING PORTIONS OF EXISTING AC, CONC. MEDIAN, AND MEDIAN CONC. CURB. CONSTRUCT CONCRETE MEDIAN TO MATCH EXISTING MEDIAN HEIGHT, PATTERN AND STAMPED CONCRETE COLOR. (67)
 - THE GAS COMPANY WILL RELOCATE THE 6-INCH HIGH PRESSURE GAS LINE AND RISER. CONTRACTOR SHALL NOTIFY, COORDINATE, AND COOPERATE WITH THE GAS COMPANY FOUR WEEKS PRIOR TO EXCAVATION, FOR RELOCATION OF INTERFERING GAS LINE OR GAS RISER. (43)
 - CONTRACTOR SHALL NOTIFY, COORDINATE, AND COOPERATE WITH SOUTHERN CALIFORNIA EDISON (SCE) EIGHT WEEKS PRIOR TO REMOVAL OF CONCRETE MEDIAN, SCE WILL DE-ENERGIZE THE EXISTING STREET LIGHT AND RELOCATE TO STA 73+00.00. CONTRACTOR SHALL REMOVE THE EXISTING STREETLIGHT CONCRETE FOOTING AND CONSTRUCT A NEW FOOTING AT NEW LOCATION. (43)
 - CONTRACTOR SHALL VERIFY ALL ELEVATIONS AT TIE-POINTS AND TIE-LINES WHERE NEW STREET IMPROVEMENT MEET THE EXISTING. PROVIDING SMOOTH TRANSITIONS AND POSITIVE DRAINAGE. IF THE EXISTING GRADE IS DIFFERENT THAN SHOWN HEREON CONTRACTOR SHALL NOTIFY THE ENGINEER, AND SHALL NOT BEGIN WORK UNTIL THE CHANGED CONDITIONS HAVE BEEN INVESTIGATED AND REVISED. (43)
 - CONTRACTOR SHALL COORDINATE LIMITS OF WORK WITH THE CITY OF OXNARD. CITY WILL REMOVE INTERFERING PORTIONS OF WATER SERVICE (VALVE BOX, VALVE, BFP AND PIPING) AS REQUIRED. (43)
 - CONTRACTOR SHALL PLACE FINAL PAVEMENT LIFT ON THE NEW AND OVERLAY AREAS AT THE SAME TIME. (43)
 - REMOVE AND DISPOSE INTERFERING CONCRETE ROCK RIPRAP, AND PLACE NEW CONCRETE RIPRAP BETWEEN REMAINING RIPRAP AND NEW FLOODWALL. (43) (50)

REVISION	DESCRIPTION	APP.	DATE

Michael Baker International
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@INTL.COM

8/1/2024
 R.C.E. DATE

DESIGNED	SD	8/14/2024
DRAWN	DT	8/15/2024
CHECKED	AL	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

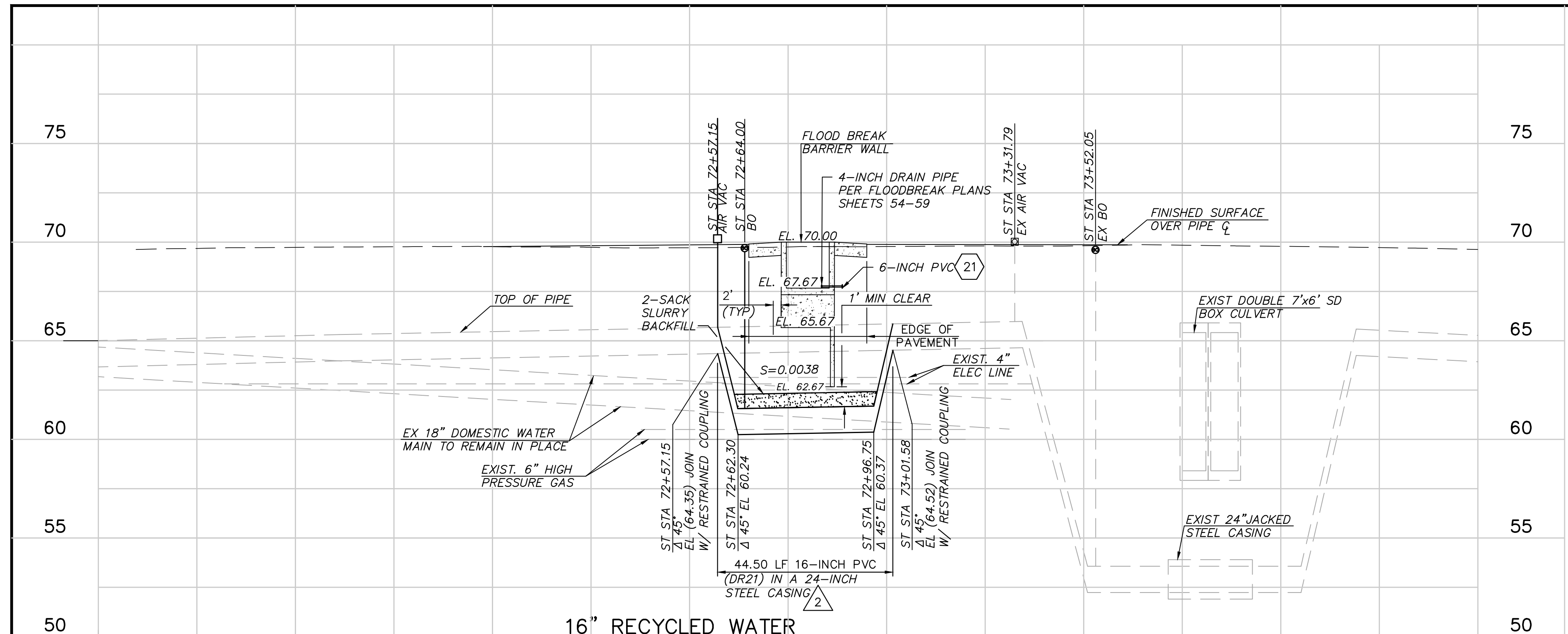
WATERSHED PROJECT MANAGER
 WATERSHED DEPUTY DIRECTOR
 WATERSHED DIRECTOR

SPEC. NO.	WP25-05
PROJ. NO.	82045

SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 VENTURA ROAD TRANSITION DETAILS

SHEET 10 OF 62
 DRAWING NO. WPD-2-388

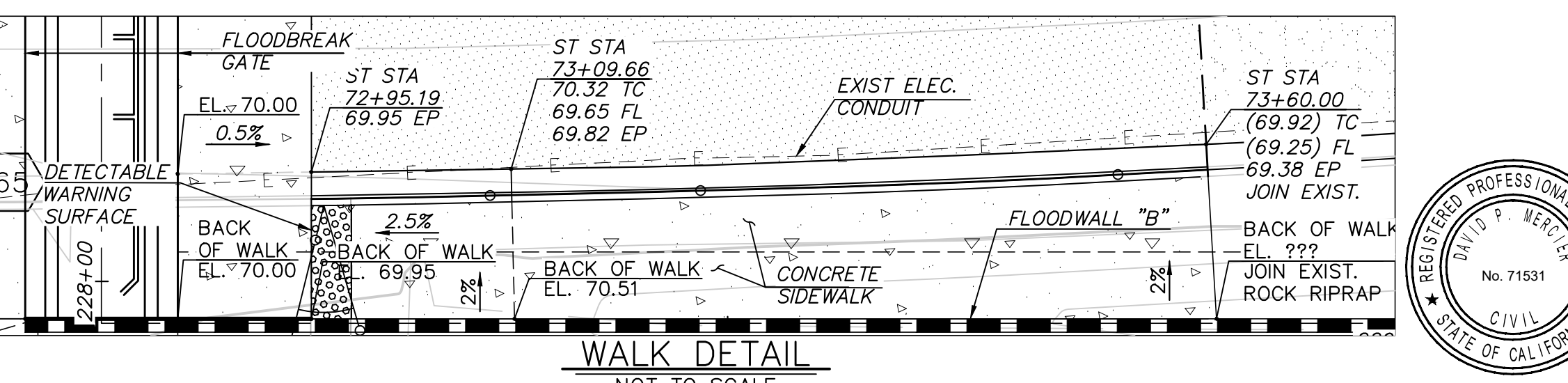
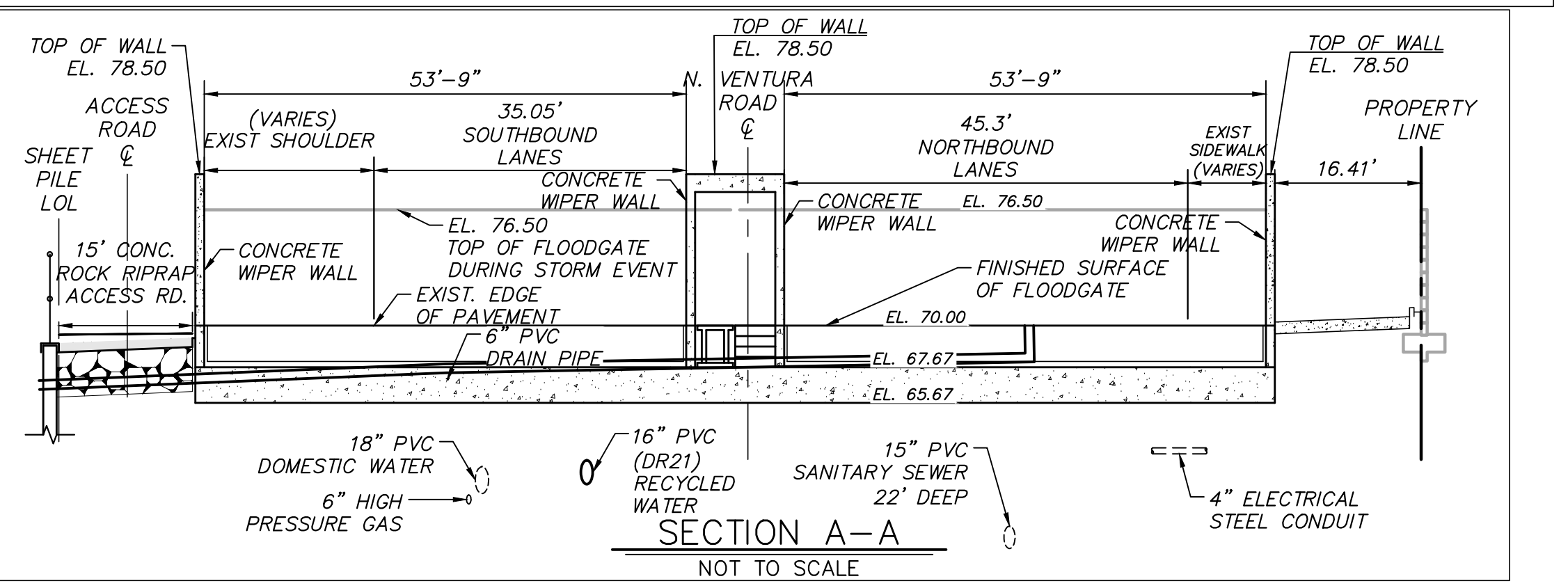
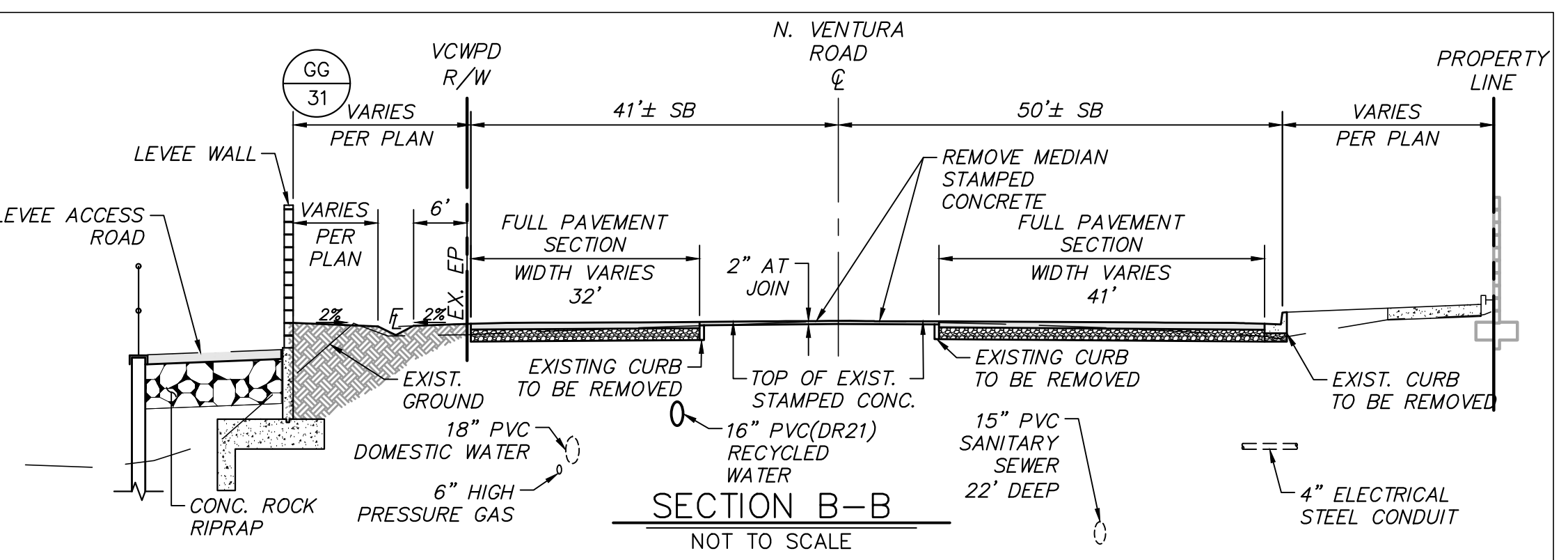
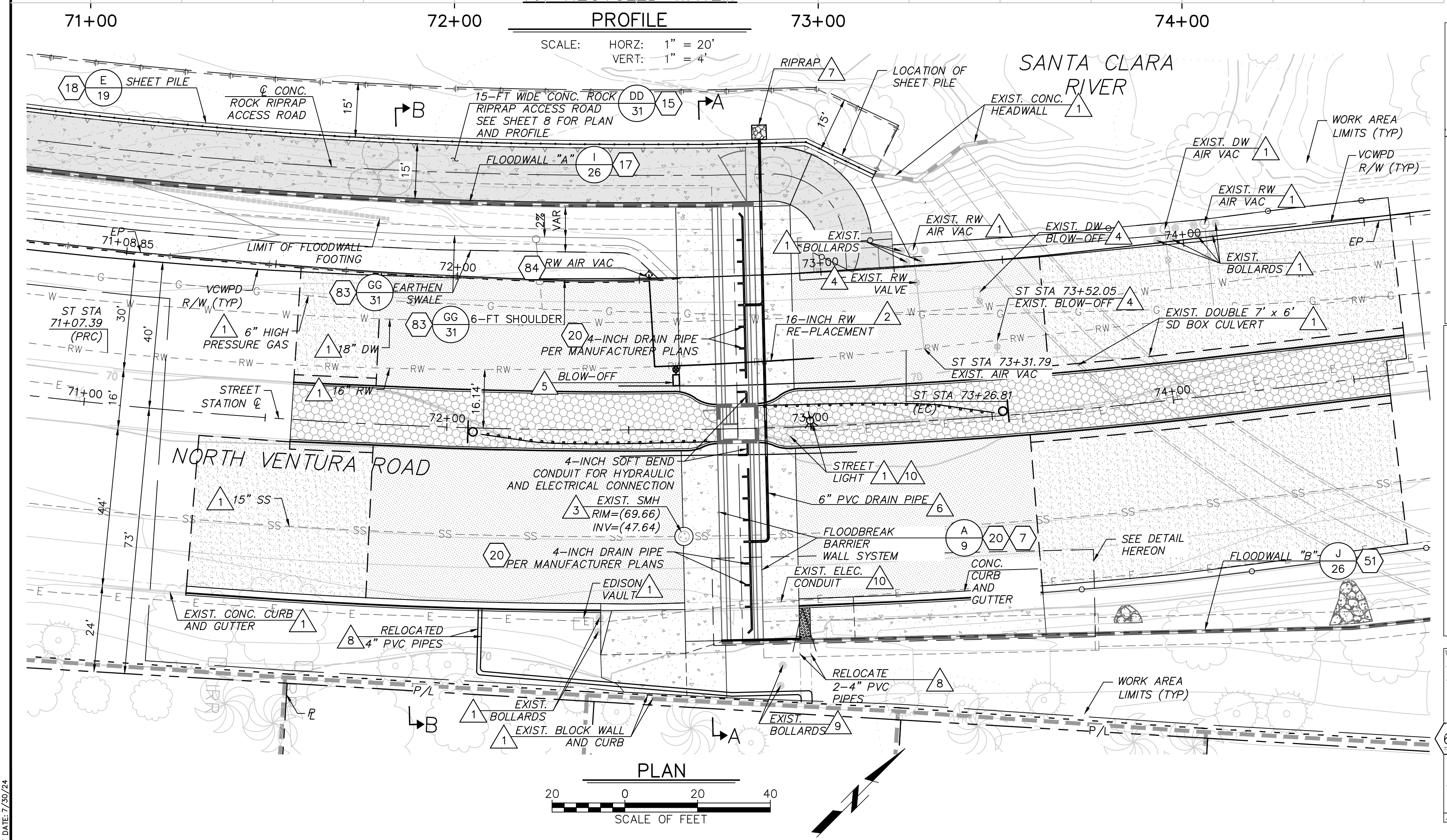




NOTES:

- EXISTING IMPROVEMENTS AND UTILITIES WITHIN THE WORK AREA LIMITS SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED. DAMAGED IMPROVEMENTS SHALL BE REPLACED IN KIND TO ITS ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE PROJECT ENGINEER AT CONTRACTOR'S EXPENSE.
- INSTALL 16-INCH PVC (DR 21) RECYCLED WATER LINE PER CITY OF OXNARD SPECIFICATIONS AND TRENCH BACKFILL STANDARD PLATE 602. ALSO PIPELINE TO BE BACKFILLED WITH 2-SACK CEMENT SLURRY PER PROFILE HEREON. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF OXNARD PRIOR TO CONSTRUCTION.
- ADJUST SEWER MANHOLE TO FINISHED GRADE.
- ADJUST WATER VALVES AND BLOW-OFFS TO FINISHED GRADE
- INSTALL BLOW-OFF ASSEMBLY PER CITY OF OXNARD STANDARD PLATE 307.
- INSTALL 6" PVC DRAIN PIPE PER FLOODBREAK ROADWAY GATE SPECIFICATIONS AND DETAILS. ELEVATIONS PER DETAIL ON SHEET 9.
- CONSTRUCT 4-FT BY 4-FT 1/4-TON CONC. ROCK RIPRAP APRON.
- RELOCATE 4" PVC DRAIN PIPES PER LOCATION SHOWN ON PLAN. CONTRACTOR SHALL VERIFY THE LOCATION AND INVERT ELEVATION OF THE PIPES AT THE CONCRETE CURB ADJACENT TO THE EXISTING PROPERTY LINE WALL. CUT THE EXISTING SIDEWALK OR BORE UNDER. BORE THROUGH EXISTING CONCRETE CURB.
- REMOVE AND DISPOSE EXISTING BOLLARDS. CONTRACTOR SHALL INSTALL REMOVABLE, STEEL BOLLARDS AT THE SAME LOCATION AFTER COMPLETION OF CONC. WALKWAY.
- CONTRACTOR SHALL NOTIFY, COORDINATE AND COOPERATE WITH SOUTHERN CALIFORNIA EDISON (SCE) EIGHT WEEKS PRIOR TO REMOVAL OF CONCRETE MEDIAN. SCE WILL DE-ENERGIZE THE EXISTING STREET LIGHT, AND RELOCATE TO STA 73+00.00.
- THE GAS COMPANY HAS RELOCATED THE 6-INCH HIGH PRESSURE GAS LINE AND RISER. CONTRACTOR SHALL NOTIFY, COORDINATE, AND COOPERATE WITH THE GAS COMPANY FOUR WEEKS PRIOR TO EXCAVATION.
- PROVIDE AND INSTALL BLOWOFF PER CITY STANDARD PLATE 703. BLOWOFF PIPE CROSSING WATER LINE TO BE ROUTED UNDER WITH MINIMUM 12" CLEARANCE.
- PROVIDE AND INSTALL AIR VACUUM & AIR RELEASE VALVE PER CITY STANDARD PLATE 702.
- PROVIDE THRUST BLOCK PER DETAIL ON SHEET RW-13.

- 60
- 43
- 43
- 61
- 21
- 14
- 31
- 62
- 71
- 31
- KK



DATE: 7/29/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\B2045_SANTACLARARIVERLEVEE_SCR3_PH2\DESIGN\DRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6828-SD-07-001 SHEET 11.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 MBAKERINTL.COM

8/1/2024
 R.C.E.

DESIGNED	SD	8/14/2024
DRAWN	DT	8/15/2024
CHECKED	AL	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

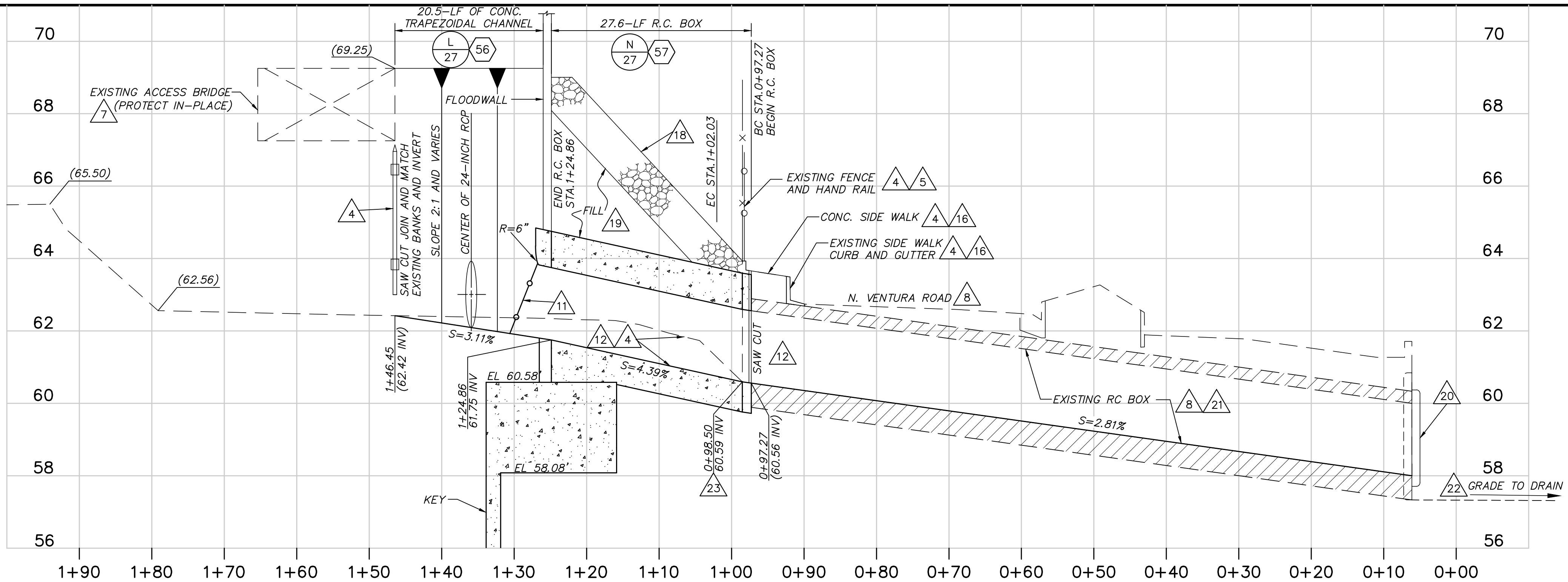
WATERSHED PROJECT MANAGER
 WATERSHED SUPERVISOR
 WATERSHED DIRECTOR

SPEC. NO.	WP25-05
PROJ. NO.	82045

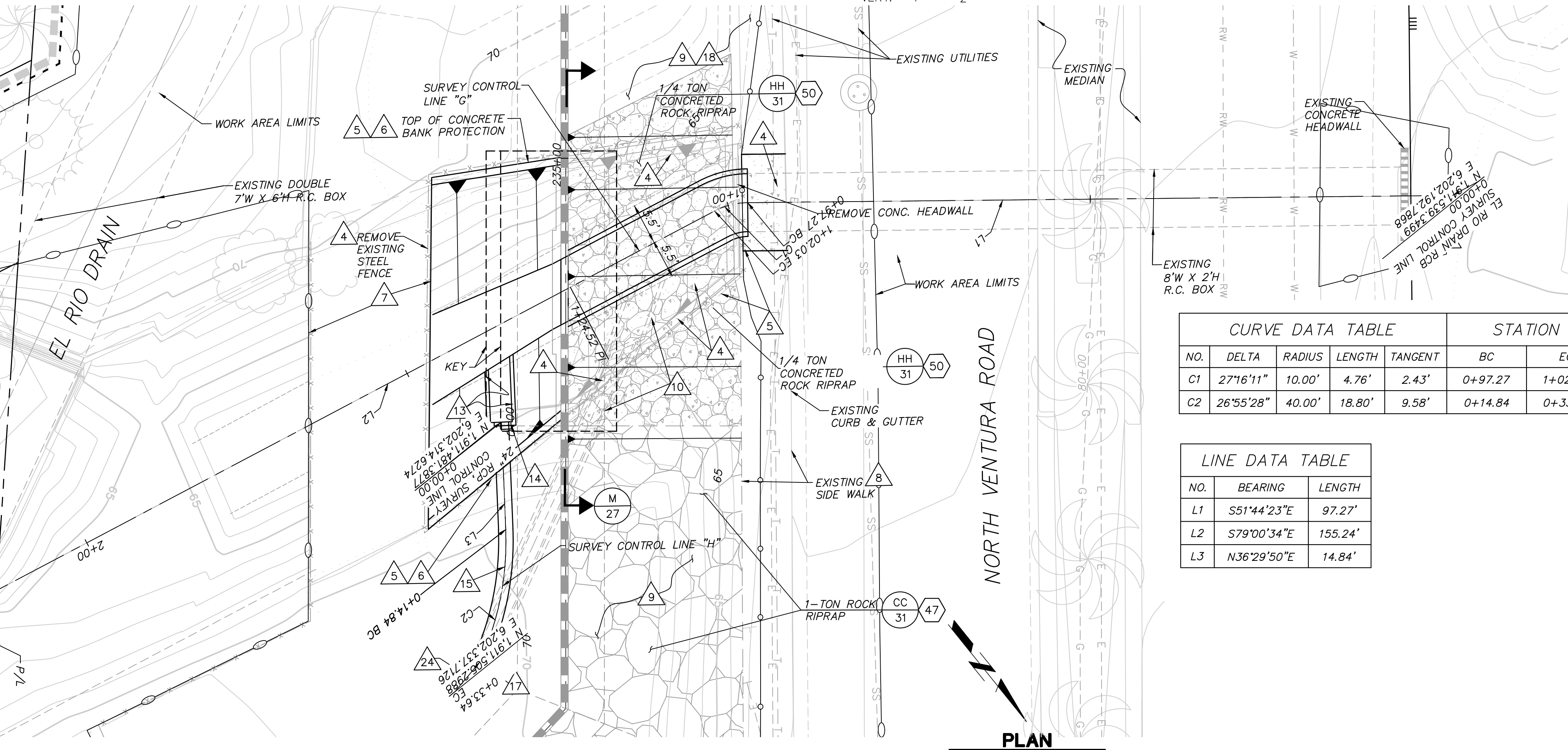
SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2 UTILITY PLAN AND DETAILS

SHEET	11
OF	62
DRAWING NO.	WPD-2-388





PROFILE
SCALE: HORIZ: 1" = 10'
VERT: 1" = 2'



PLAN

CURVE DATA TABLE					STATION	
NO.	DELTA	RADIUS	LENGTH	TANGENT	BC	EC
C1	27°16'11"	10.00'	4.76'	2.43'	0+97.27	1+02.03
C2	26°55'28"	40.00'	18.80'	9.58'	0+14.84	0+33.64

LINE DATA TABLE		
NO.	BEARING	LENGTH
L1	S51°44'23"E	97.27'
L2	S79°00'34"E	155.24'
L3	N36°29'50"E	14.84'

NOTES:

- WORK AREA LIMITS SHALL BE STAKED WITH VISIBLE FLAGGING AND ALL EQUIPMENT SHALL BE OPERATED WITHIN THE WORK AREA LIMITS.
- ALL EXISTING VEGETATION, TREES, DOWNED TREES, STUMPS, LOGS, BUSHES, SHRUBS, WILLOWS, REEDS, EUCALYPTUS, OLIVES, PALMS, PEPPER, ETC. WITHIN THE WORK AREA LIMITS SHALL BE REMOVED TO MINIMUM 3-FT BELOW GRADE AND DISPOSED OF AT AN APPROVED OFFSITE LOCATION.
- CONTRACTOR SHALL NOTIFY THE UTILITY OWNERS AND PROTECT ALL UTILITIES IN-PLACE.
- CONTRACTOR SHALL SAW-CUT, REMOVE, AND DISPOSE OF THE EXISTING CONCRETE TRAPEZOIDAL CHANNEL, INVERT AND BANK, CONC. CATCH BASIN, CONC. HEADWALL, INTERFERING CONC. SIDEWALK, CURB AND GUTTER, STORM DRAIN DOWNSTREAM OF EXISTING BRIDGE, PIPE HEADWALL, STEEL DEBRIS SCREEN FENCE, AND CHAIN LINK FENCE.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING CONCRETE CATCH BASIN, RAILS, AND CHAIN LINK FENCE.
- INSTALL 5-FT HIGH CHAIN LINK FENCE WITH TOP RAIL.
- CONTRACTOR SHALL PROTECT THE EXISTING ACCESS BRIDGE IN-PLACE. ANY DAMAGE SHALL BE REPAIRED IN-KIND OR BETTER TO THE SATISFACTION OF THE PROJECT ENGINEER, AT CONTRACTOR'S EXPENSE.
- PROTECT ALL EXISTING FACILITIES IN-PLACE WITHIN THE WORK AREA LIMITS UNLESS OTHERWISE NOTED ON THE PLANS. ANY DAMAGE TO THE EXISTING IMPROVEMENTS SHALL BE REPLACED IN KIND TO THE ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE PROJECT ENGINEER AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING CONCRETE ROCK RIPRAP INTERFERING WITH CONSTRUCTION OF THE FLOODWALL, R.C. BOX, AND ALL OTHER IMPROVEMENTS.
- SAW-CUT, REMOVE AND DISPOSE EXISTING HEADWALL AND INTERFERING PORTIONS OF REINFORCED CONCRETE PIPE.
- INSTALL CATCH BASIN FACE PLATE ASSEMBLY AND PROTECTION BAR PER SPPWC STANDARD PLAN 310-3.
- CONTRACTOR SHALL SAW-CUT, REMOVE, AND DISPOSE 5-FT OF EXISTING RC BOX. THE INVERT SLOPE OF NEW RC BOX SHALL BE AN EXTENSION OF THE EXISTING BOX AND PER PROFILE HEREON.
- CONSTRUCT RC OUTLET STRUCTURE A.
- CONSTRUCT RC COLLAR FOR 24-INCH RC PIPE.
- CONSTRUCT 24-INCH RC PIPE. ALL PIPE JOINTS SHALL BE MORTARED INSIDE AND OUTSIDE.
- CONSTRUCT CONCRETE CURB, GUTTER, AND SIDEWALK TO MATCH EXISTING PER CITY OF OXNARD STANDARD INCLUDING 6-INCH CURB AT BACK OF SIDE WALK.
- SAW-CUT EXISTING RC PIPE OR REMOVE AT EXISTING JOINT. THE ENGINEER SHALL INSPECT THE EXISTING PIPE TO DETERMINE ITS USE. IF DEEMED UNNECESSARY THE CONTRACTOR SHALL PLUG/ABANDON THE REMAINING RC PIPE PER THE DIRECTION OF THE ENGINEER. IF DEEMED NECESSARY THE CONTRACTOR SHALL CLEAN THE RC PIPE TO ALLOW IT TO DRAIN.
- CONSTRUCT 1/4-TON CONCRETE ROCK RIPRAP BANK PROTECTION.
- RC BOX SHALL BE BACK FILLED TO MEET THE EXISTING SLOPE GRADES UPSTREAM AND DOWNSTREAM OF EXISTING RC CHANNEL PRIOR TO PLACING CONCRETE ROCK RIPRAP.
- INSTALL 8-FT W X 2-FT H FLAP GATE AT THE RIVER SIDE FACE OF RC BOX.
- CONTRACTOR SHALL REMOVE AND DISPOSE EXISTING DEBRIS AND SEDIMENT FROM INSIDE OF THE EXISTING R.C. BOX.
- CONTRACTOR SHALL GRADE THE CHANNEL IN FRONT OF EXISTING R.C. BOX WITHIN SANTA CLARA RIVER FOR A DISTANCE OF APPROXIMATELY 200 FT TO ALLOW THE EXISTING R.C. BOX TO DRAIN.
- THE CONTRACTOR SHALL VERIFY THE ELEVATION AND ADJUST IN THE FIELD.
- CONTRACTOR SHALL SEARCH AND INVESTIGATE THE ORIGIN AND SOURCES OF THE EXISTING 24-INCH RCP AND REPORT BACK TO THE PROJECT MANAGER FOR ADDITIONAL DESIGN PURPOSES.



SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVER\LEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-012_SHEET 12.DWG

REVISION	DESCRIPTION	APP.	DATE

Michael Baker International
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

8/1/2024
R.C.E.

DESIGNED	NZ	DATE	8/14/2024
DRAWN	NZ, EC	DATE	8/15/2024
CHECKED	AL	DATE	8/16/2024

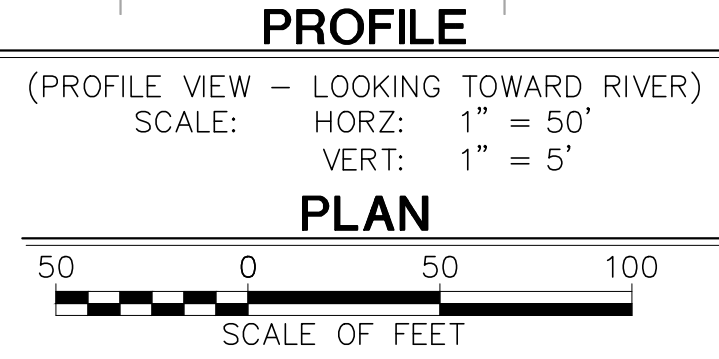
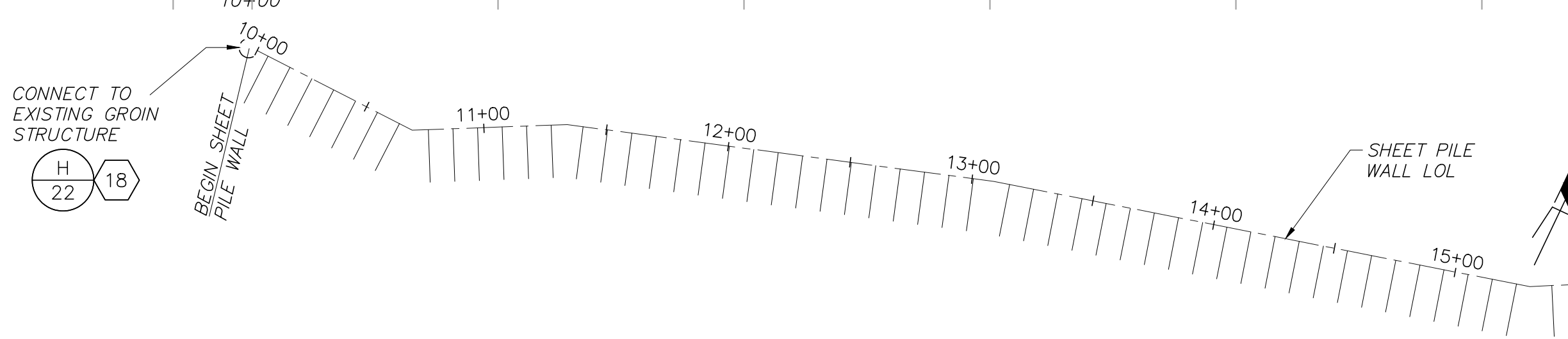
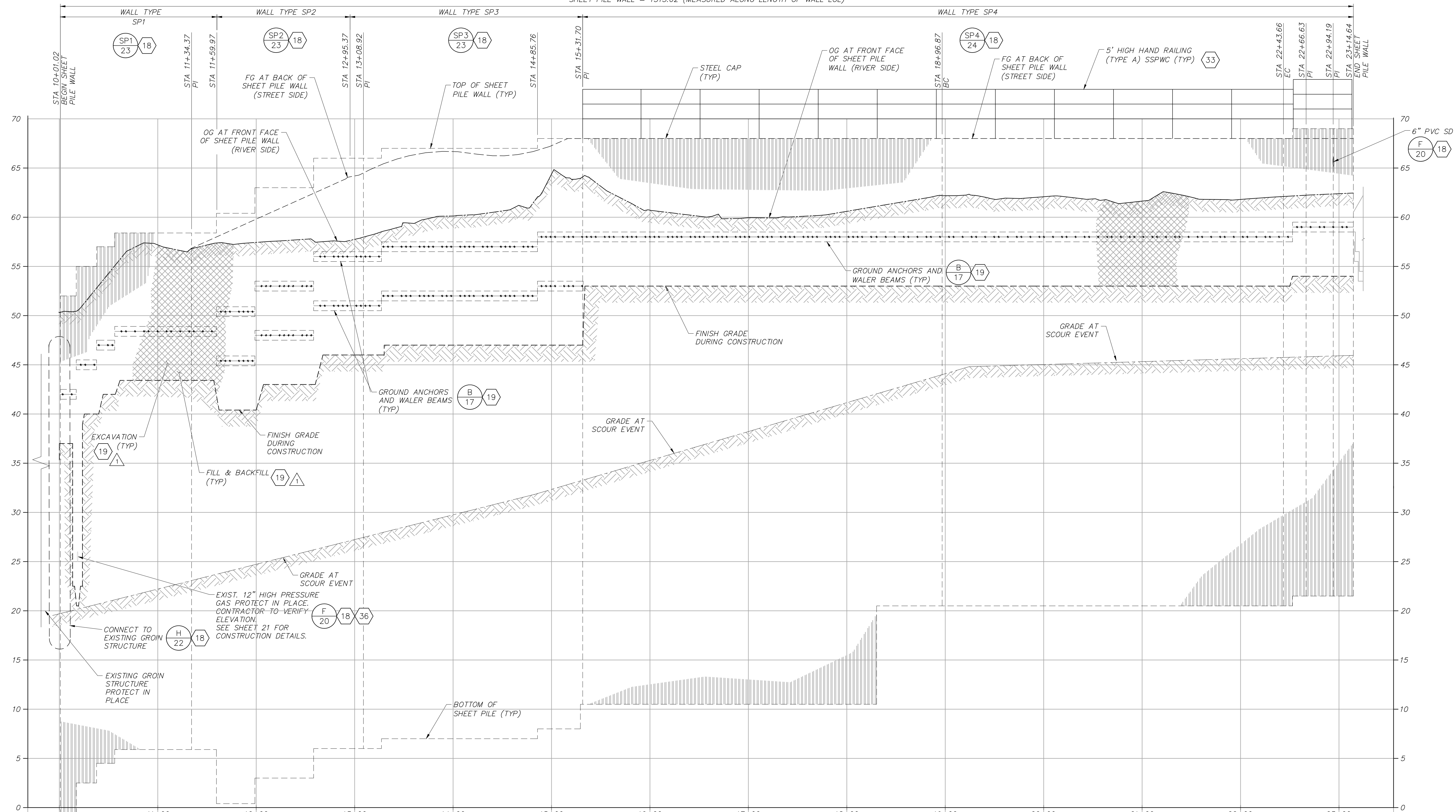
**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION**

SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
EL RIO DRAIN RCB PLAN AND PROFILE

SHEET	12
OF	62
DRAWING NO.	WPD-2-388

SHEET PILE WALL = 1313.62 (MEASURED ALONG LENGTH OF WALL LOL)



NOTES:
 1. THE COSTS OF EXCAVATING AND BACKFILLING FOR THE INSTALLATION OF THE GROUND ANCHORS ARE INCLUDED IN THE COSTS OF THE GROUND ANCHORS.



REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM

Michael Embley
 R.C.E.
 8/1/2024

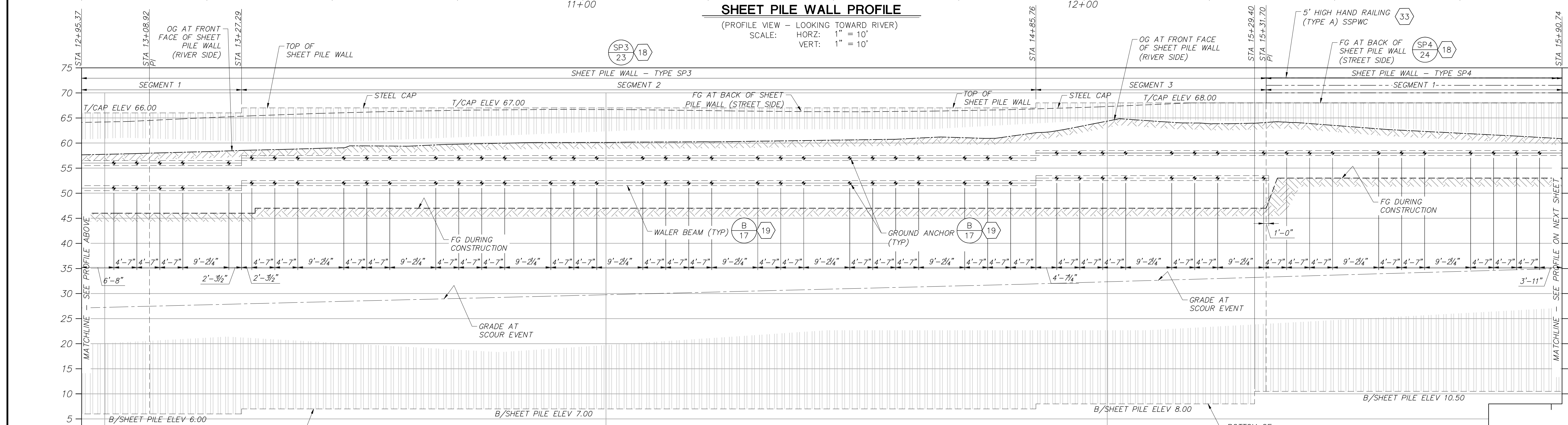
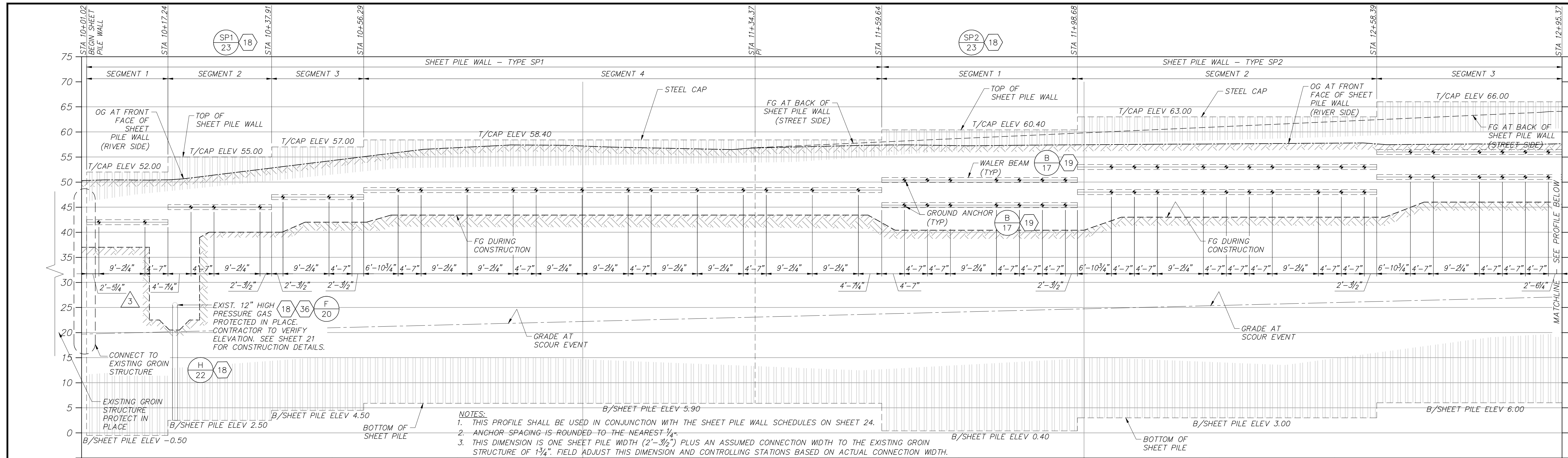
DESIGNED	ME, LN	8/14/2024
DRAWN	CS	8/15/2024
CHECKED	CS	8/16/2024

**VENTURA COUNTY
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION**

SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
 SHEET PILE GENERAL PLAN AND PROFILE

SHEET	13
OF	62
DRAWING NO.	WPD-2-388



NOTES:
 1. THIS PROFILE SHALL BE USED IN CONJUNCTION WITH THE SHEET PILE WALL SCHEDULES ON SHEET 24.
 2. ANCHOR SPACING IS ROUNDED TO THE NEAREST 1/4".

REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MINTL.COM

Michael Embrey
 R.C.E.
 8/1/2024

DESIGNED	ME, LN	8/14/2024
DRAWN	CS	8/15/2024
CHECKED	CS	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

DATE: 8/14/2024
 DATE: 8/15/2024
 DATE: 8/16/2024

SPEC. NO.	WP25-05
PROJ. NO.	82045

SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2

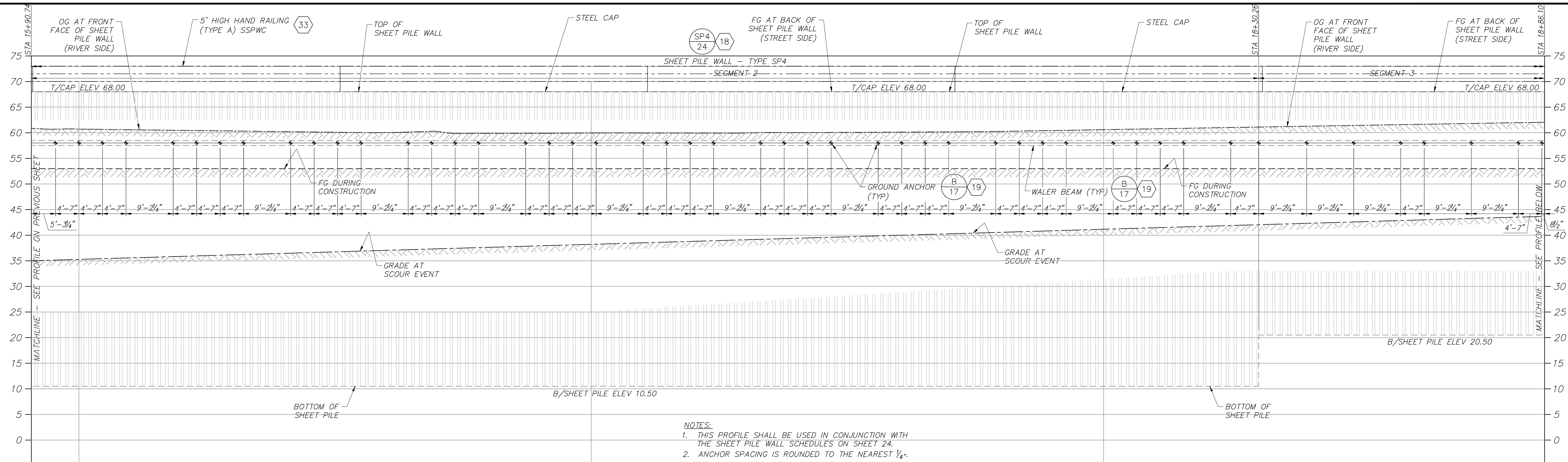
SHEET PILE PROFILE STA 10+00.00 TO STA 15+90.74

SHEET	14
OF	62
DRAWING NO.	WPD-2-388



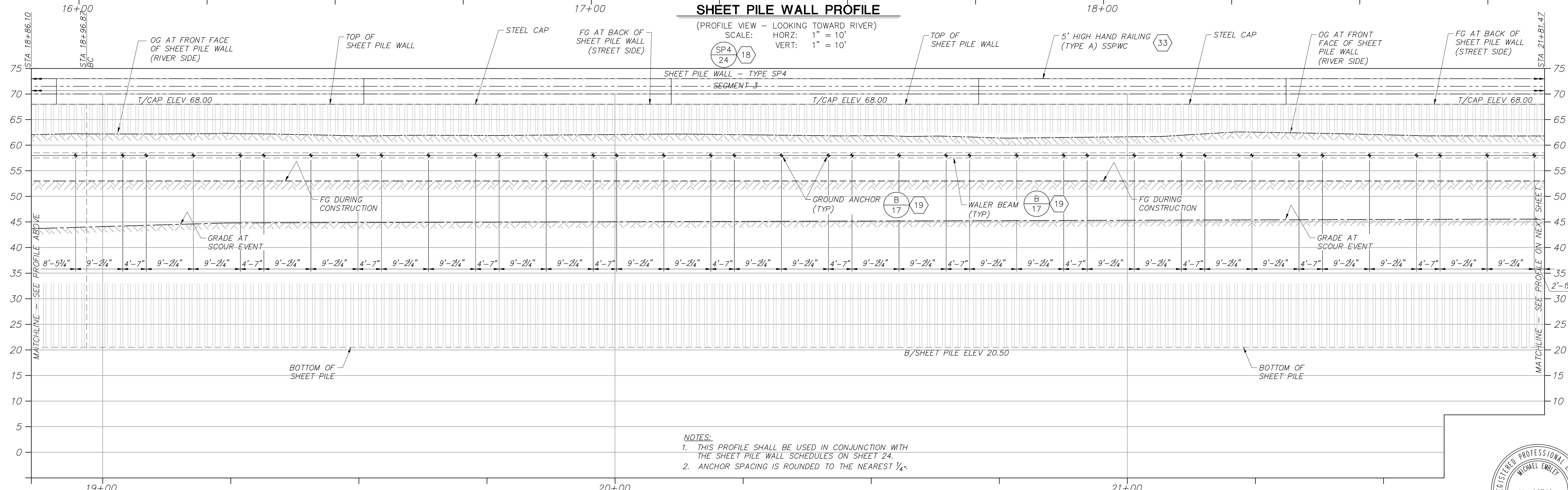
DATE: 8/1/24

H:\panda\136628\CADD\Struct\DWG\SCR3-PH2\002-SP-6628-5014.dwg, Plotter: Aug 01, 2024 - 4:01pm



NOTES:
 1. THIS PROFILE SHALL BE USED IN CONJUNCTION WITH THE SHEET PILE WALL SCHEDULES ON SHEET 24.
 2. ANCHOR SPACING IS ROUNDED TO THE NEAREST 1/4\"/>

SHEET PILE WALL PROFILE
 (PROFILE VIEW - LOOKING TOWARD RIVER)
 SCALE: HORZ: 1" = 10'
 VERT: 1" = 10'



NOTES:
 1. THIS PROFILE SHALL BE USED IN CONJUNCTION WITH THE SHEET PILE WALL SCHEDULES ON SHEET 24.
 2. ANCHOR SPACING IS ROUNDED TO THE NEAREST 1/4\"/>

SHEET PILE WALL PROFILE
 (PROFILE VIEW - LOOKING TOWARD RIVER)
 SCALE: HORZ: 1" = 10'
 VERT: 1" = 10'

Type text here



REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM

Michael Embrey
 R.C.E.
 8/1/2024

DESIGNED	ME, LN	DATE	8/14/2024
DRAWN	CS	DATE	8/15/2024
CHECKED	CS	DATE	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

SPEC. NO.	WP25-05
PROJ. NO.	82045

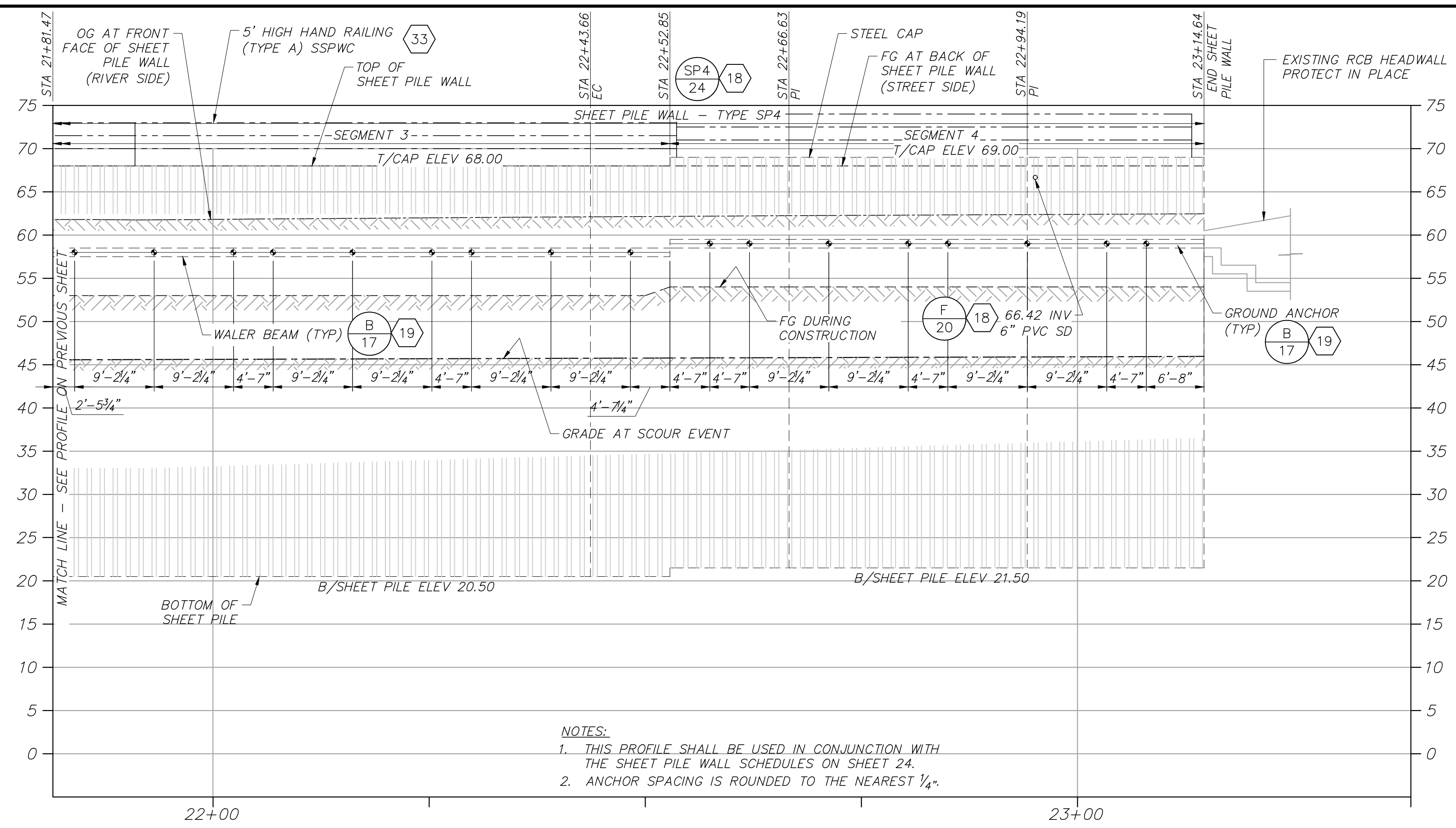
SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 SHEET PILE PROFILE STA 15+90.74 TO STA 21+81.47

SHEET	15
OF	62
DRAWING NO.	WPD-2-388

© 2024 DATE: 8/1/24

SAVE DATE: 7/30/24 FARHAD.HAKEMI H:\PDATA\136628\CADD\STRUCT\DLV\SCR3-PH2\003-SP-6628-S015.DWG

H:\pdta\136628\CADD\Struct\DLV\SCR3-PH2\003-SP-6628-S015.dwg, Plotter: Aug 01, 2024 - 4:01pm



NOTES:
 1. THIS PROFILE SHALL BE USED IN CONJUNCTION WITH THE SHEET PILE WALL SCHEDULES ON SHEET 24.
 2. ANCHOR SPACING IS ROUNDED TO THE NEAREST 1/4".

SHEET PILE WALL PROFILE
 (PROFILE VIEW - LOOKING TOWARD RIVER)
 SCALE: HORZ: 1" = 10'
 VERT: 1" = 10'

SHEET PILE WALL TYPE SP1 SCHEDULE

SHEET PILE WALL TYPE	SEGMENT	T/CAP ELEV	ANCHOR ELEV	B/SHEET PILE ELEV
SP1	1	52.00	42.00	-0.50
SP1	2	55.00	45.00	2.50
SP1	3	57.00	47.00	4.50
SP1	4	58.40	48.40	5.90

SHEET PILE WALL TYPE SP2 SCHEDULE

SHEET PILE WALL TYPE	SEGMENT	T/CAP ELEV	UPPER ANCHOR ELEV	LOWER ANCHOR ELEV	B/SHEET PILE ELEV
SP2	1	60.40	50.40	45.40	0.40
SP2	2	63.00	53.00	48.00	3.00
SP2	3	66.00	56.00	51.00	6.00

SHEET PILE WALL TYPE SP3 SCHEDULE

SHEET PILE WALL TYPE	SEGMENT	T/CAP ELEV	UPPER ANCHOR ELEV	LOWER ANCHOR ELEV	B/SHEET PILE ELEV
SP3	1	66.00	56.00	51.00	6.00
SP3	2	67.00	57.00	52.00	7.00
SP3	3	68.00	58.00	53.00	8.00

SHEET PILE WALL TYPE SP4 SCHEDULE

SHEET PILE WALL TYPE	SEGMENT	T/CAP ELEV	ANCHOR ELEV	B/SHEET PILE ELEV
SP4	1	68.00	58.00	10.50
SP4	2	68.00	58.00	10.50
SP4	3	68.00	58.00	20.50
SP4	4	69.00	59.00	21.50

DATE: 8/1/24

SAVE DATE: 7/30/24 FARHAD.HAKEMI H:\PDATA\136628\CADD\STRUC\DLV\SCR3-PH2\004-SP-6628-S016.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKERINTL.COM

Michael Embrey
 R.C.E. 8/1/2024

DESIGNED	ME, LN	8/14/2024
DRAWN	CS	8/15/2024
CHECKED	CS	8/16/2024

**VENTURA COUNTY
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION**

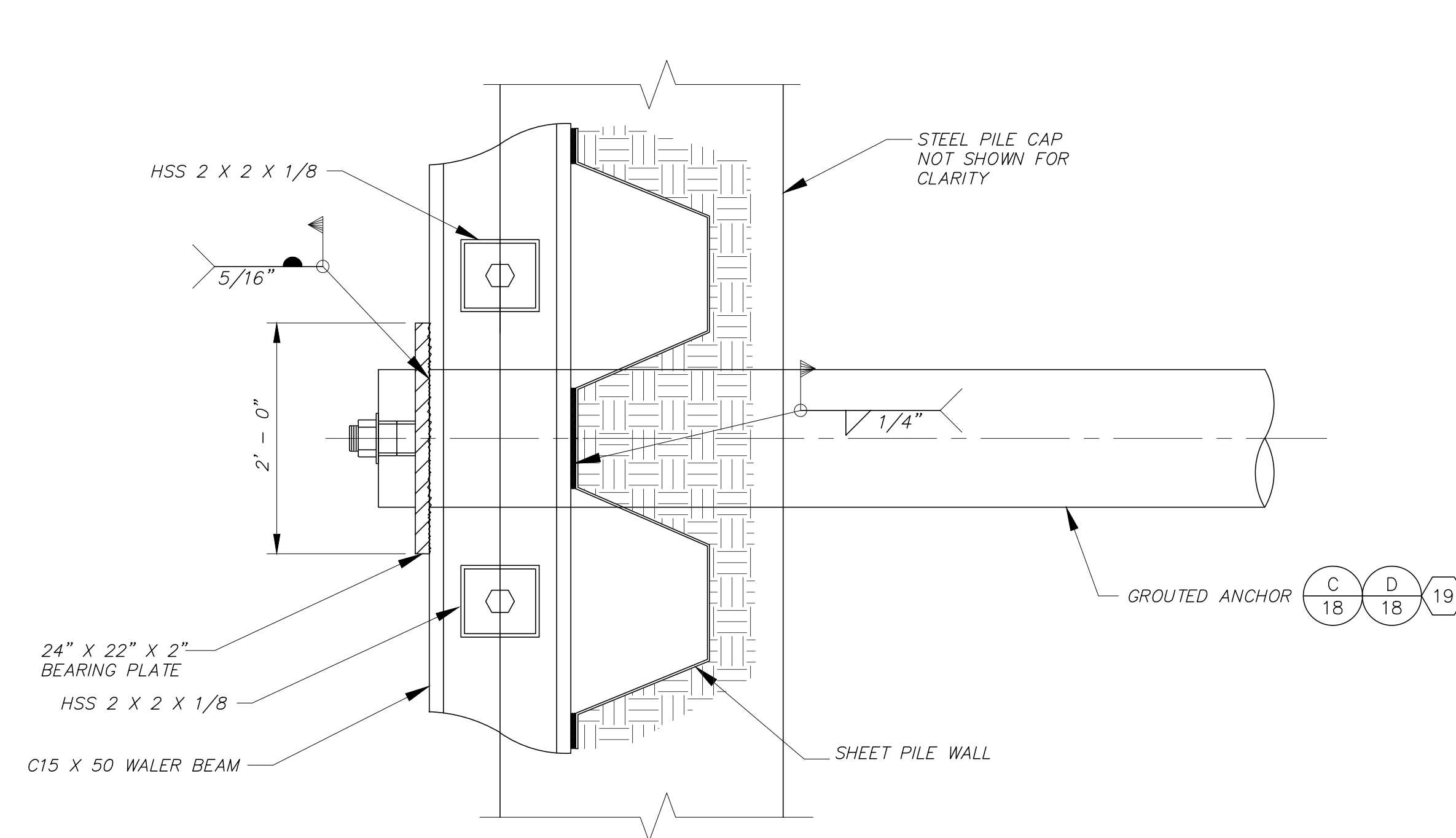
SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
 SHEET PILE PROFILE STA 21+81.47 TO STA 23+14.64

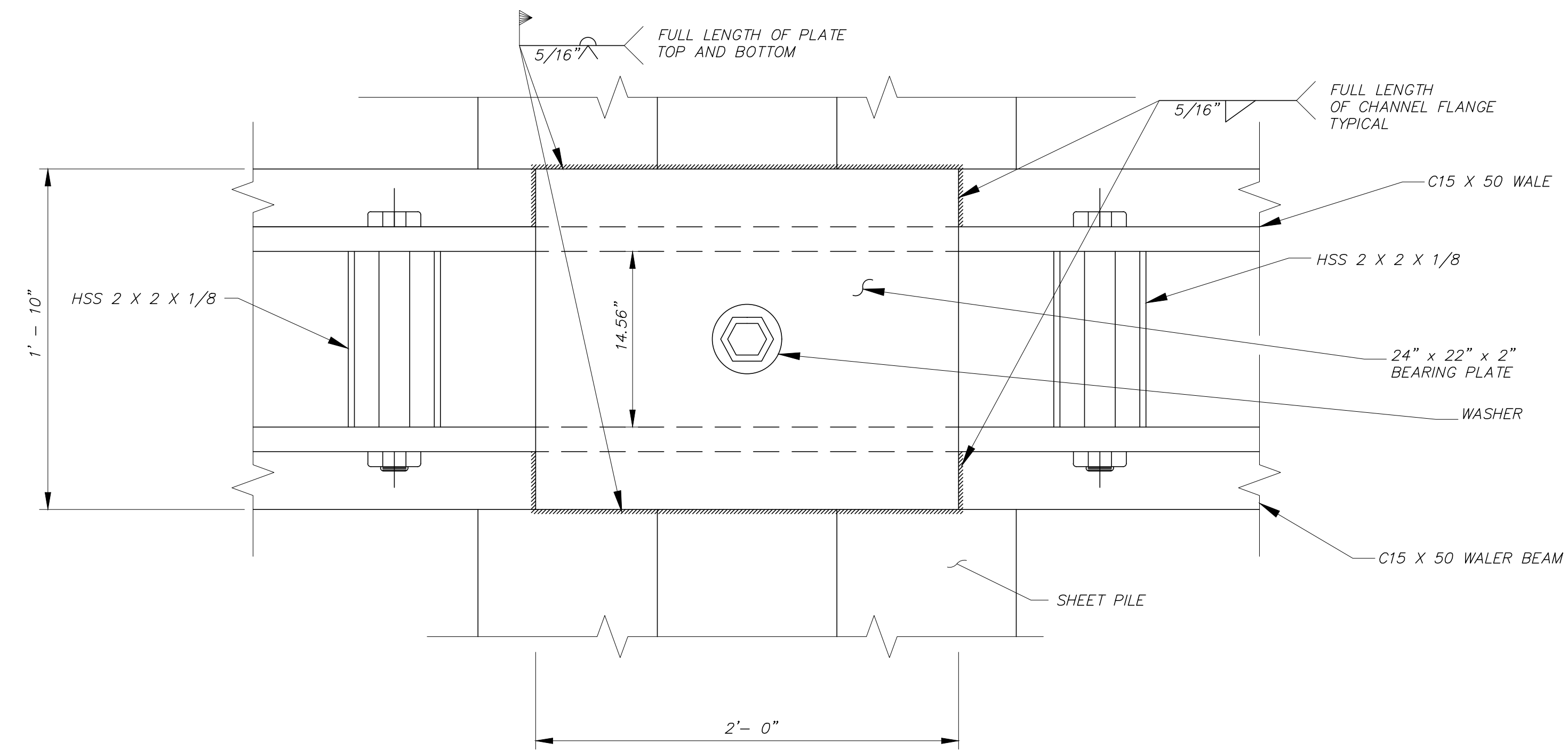


SHEET	16
OF	62
DRAWING NO.	WPD-2-388

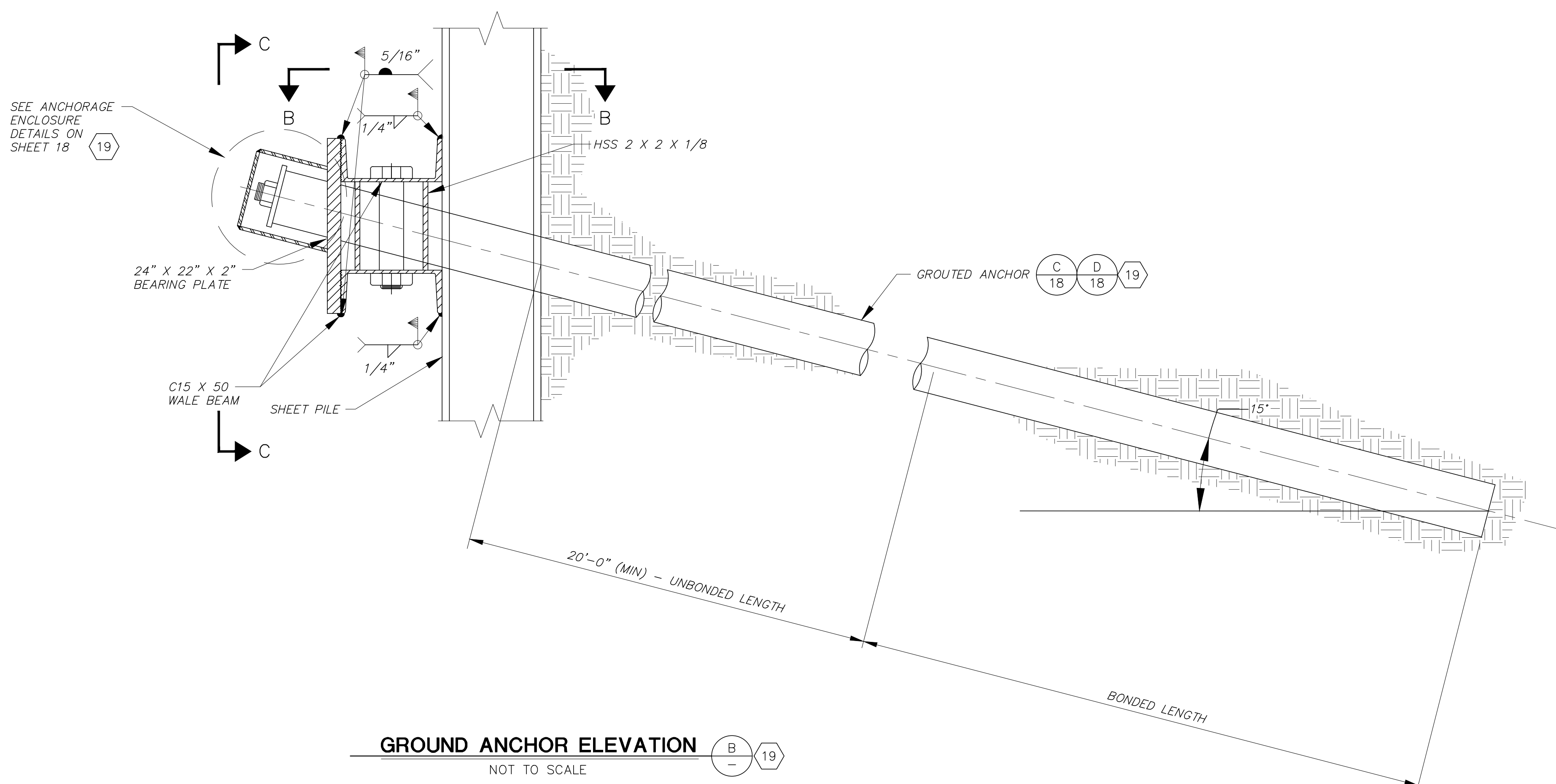
H:\pd\136628\CADD\Struc\DLV\SCR3-PH2\004-SP-6628-S016.dwg, Plotter: Aug 01, 2024 - 4:01pm



TYPICAL ANCHOR CONNECTION - SECTION B-B
NOT TO SCALE



SECTION C-C
NOT TO SCALE



GROUND ANCHOR ELEVATION
NOT TO SCALE

SHEET PILE GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS AND EXISTING CONDITIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
2. ALL SHEET PILE SECTION NAMES AND STRUCTURAL PROPERTIES ARE REFERENCED FROM SKYLINE STEEL STANDARD SECTIONS:

 SKYLINE STEEL, LLC
 8 WOODHOLLOW ROAD
 PARSIPPANY, NJ 07054
 PHONE: 973-428-6100
 WWW.SKYLINESTEEL.COM
3. CONTRACTOR SHALL PROVIDE THE REQUIRED SKYLINE STEEL STRUCTURAL SHEETPILE SECTIONS, OR ENGINEER APPROVED EQUAL.
4. ALL SHEET PILE STEEL SHALL BE GRADE 50 OR BETTER.



REVISION	DESCRIPTION	APP.	DATE

Michael Baker International
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM

Michael Embrey
 R.C.E.
 8/1/2024

DESIGNED	ME, LN	8/14/2024
DRAWN	CS	8/15/2024
CHECKED	CS	8/16/2024

**VENTURA COUNTY
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION**

SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
 SHEET PILE GENERAL NOTES, WALER BEAM, AND ANCHOR
 DETAILS

SHEET	17
OF	62
DRAWING NO.	WPD-2-388

GENERAL NOTES

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION WITH CALIFORNIA AMENDMENTS.

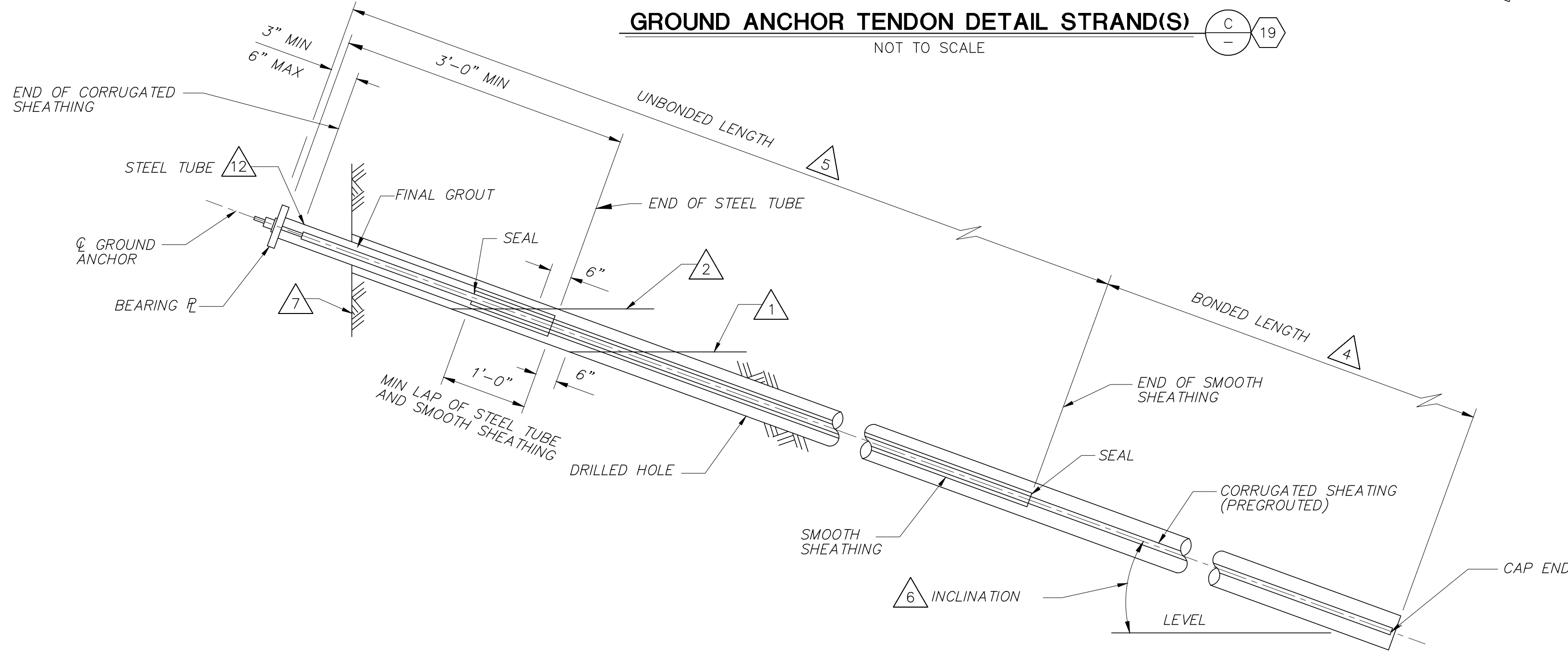
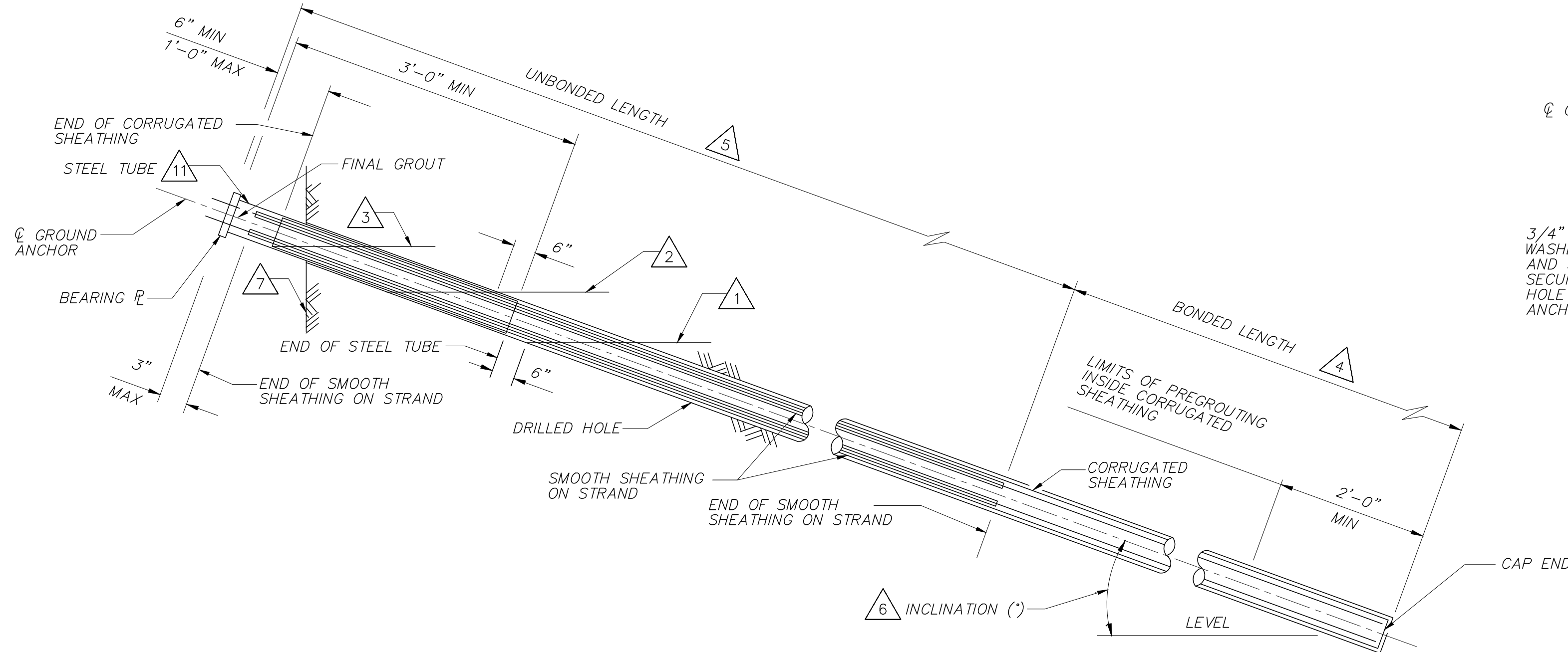
PRESTRESSING STEEL:
 BARS - ASTM DESIGNATION: A722 TYPE II (150 KSI)
 STRAND TENDONS-ASTM DESIGNATION: A416 (270 KSI LOW RELAXATION STEEL)

FTL = FACTORED TEST LOAD PER ANCHOR (KIPS)
 FPU = MINIMUM TENSILE STRENGTH OF PRESTRESSING STEEL
 AS = MINIMUM CROSS SECTIONAL AREA OF PRESTRESSING STEEL IN GROUND ANCHOR (SQUARE INCH)

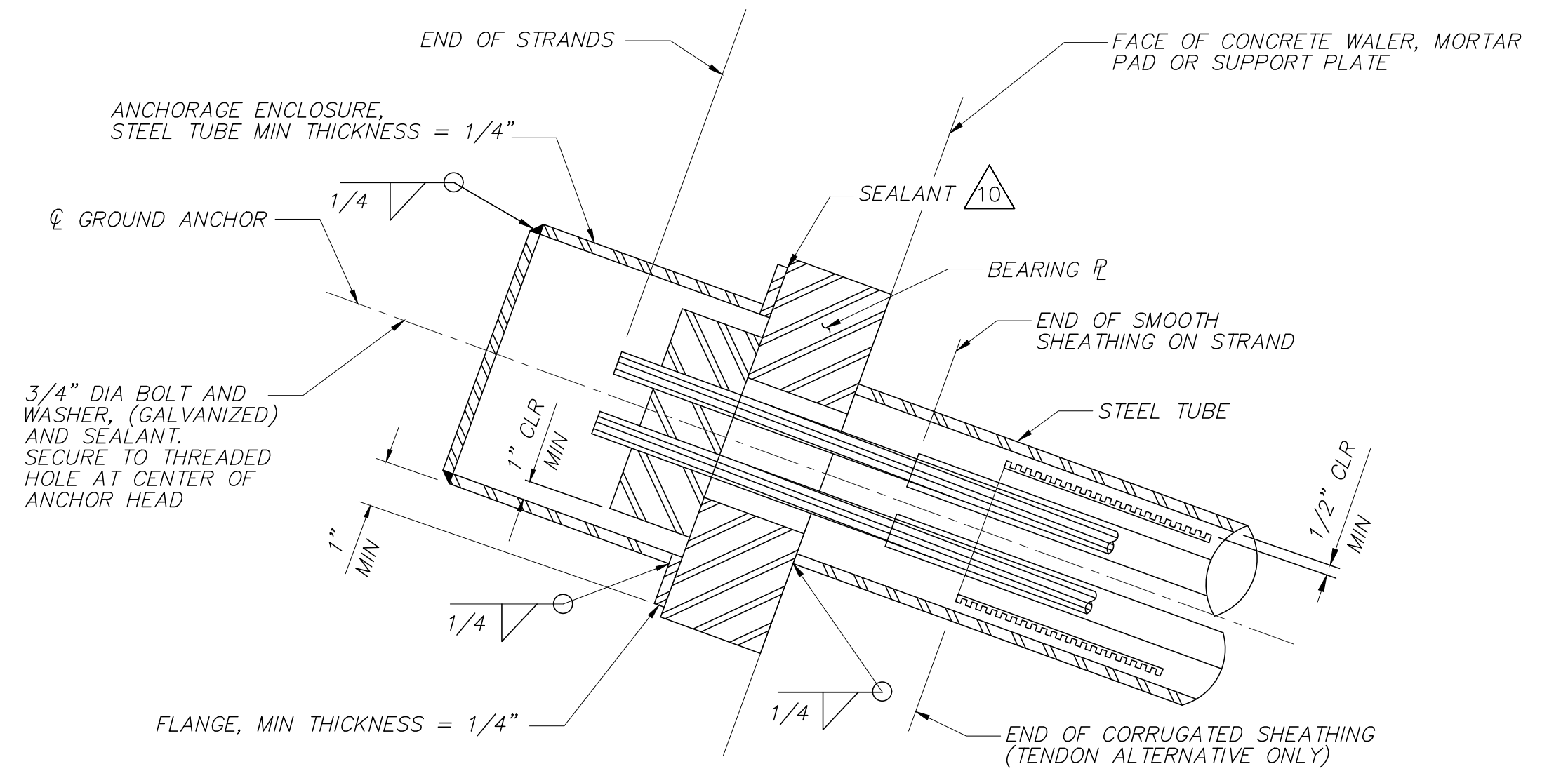
$AS(MIN) = \frac{1.0 FTL}{0.75 FPU}$ (STRANDS)
 $AS(MIN) = \frac{1.0 FTL}{0.80 FPU}$ (BARS)

NOTES:

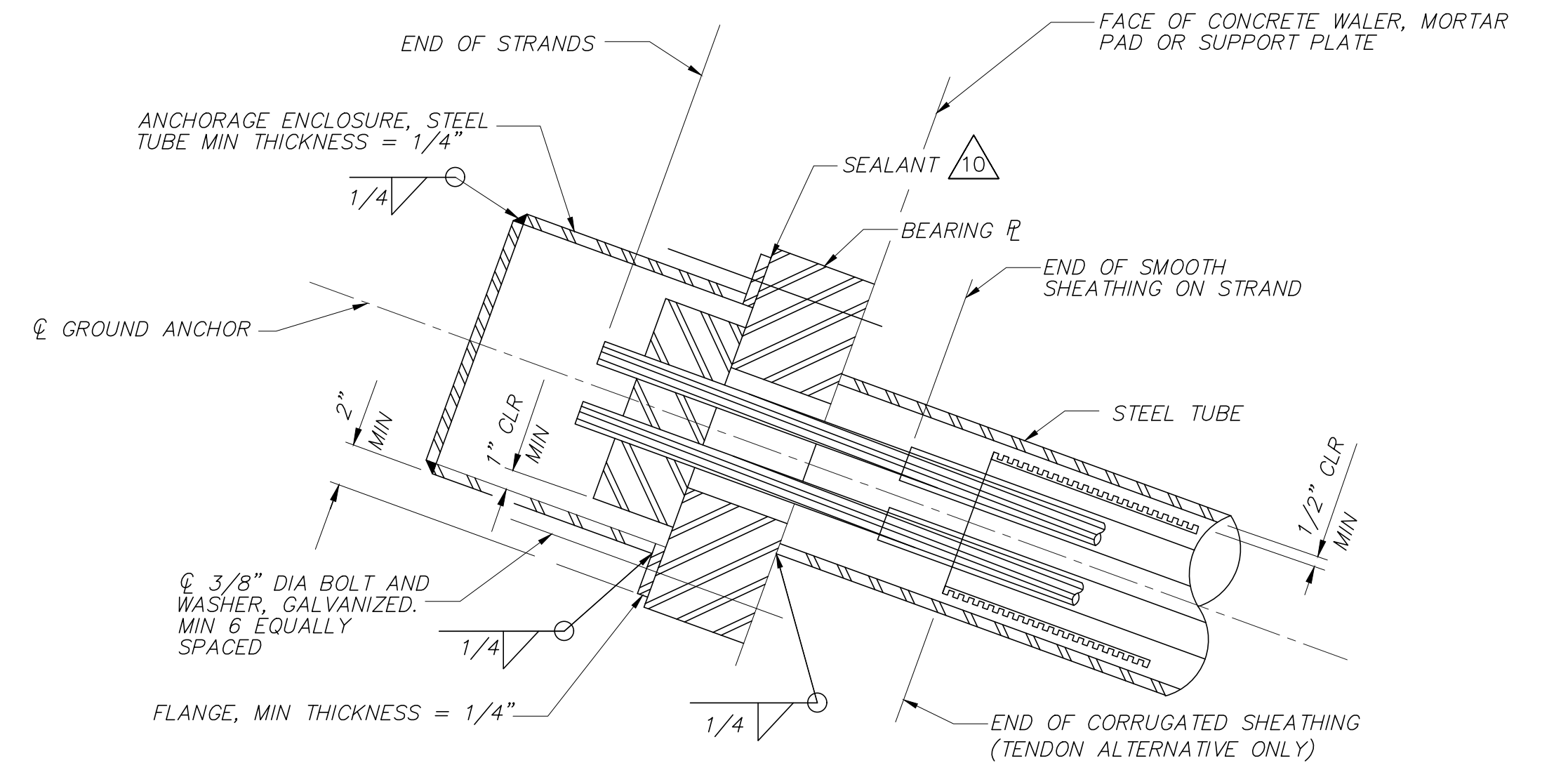
- LEVEL OF INITIAL GROUTING FOR DRILLED HOLE 6" IN DIAMETER OR SMALLER.
- LEVEL OF SECONDARY GROUTING.
- LEVEL OF INITIAL GROUTING INSIDE CORRUGATED SHEATHING.
- BONDED LENGTH SHALL BE DETERMINED BY THE CONTRACTOR. BONDED LENGTH SHALL BE A MINIMUM OF 20'-0".
- FOR UNBONDED LENGTH, SEE SHEET 17 (20 FT MIN.)
- INCLINATION SHALL BE 15 DEGREES, SEE SHEET 17.
- FACE OF WALL EXCAVATION AND SHEET PILE WALL.
- ANCHORAGE ENCLOSURE SHALL ONLY BE USED WHEN ANCHOR HEAD ASSEMBLY IS NOT ENCLOSED IN CONCRETE.
- ANCHORAGE ENCLOSURE SHALL HAVE PROVISIONS TO ALLOW INJECTING GROUT AT LOW END AND VENTING AT HIGH END. GALVANIZE AFTER FABRICATION.
- SILICONE SEALANT TO COVER FULL WIDTH OF FLANGE.
- STEEL TUBE (MIN THICKNESS = 1/4") WELDED TO BEARING PLATE. GALVANIZE ASSEMBLY AFTER FABRICATION.
- STEEL TUBE WELDED TO BEARING PLATE. INSIDE DIAMETER OF STEEL TUBE (MIN THICKNESS = 1/4") TO BE 1" GREATER THAN OUTSIDE DIAMETER OF SMOOTH SHEATHING.
- GALVANIZE ASSEMBLY AFTER FABRICATION.
- FOR OTHER WALL DETAILS, SEE PROJECT PLANS.



GROUND ANCHOR TENDON DETAIL STRAND(S)
 NOT TO SCALE



ANCHORAGE ENCLOSURE DETAILS - ALTERNATIVE X
 NOT TO SCALE



ANCHORAGE ENCLOSURE DETAILS - ALTERNATIVE Y
 NOT TO SCALE



REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM

Michael Embley
 R.C.E.
 8/1/2024

DESIGNED	DATE
ME, LN	8/14/2024
DRAWN	DATE
CS	8/15/2024
CHECKED	DATE
CS	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

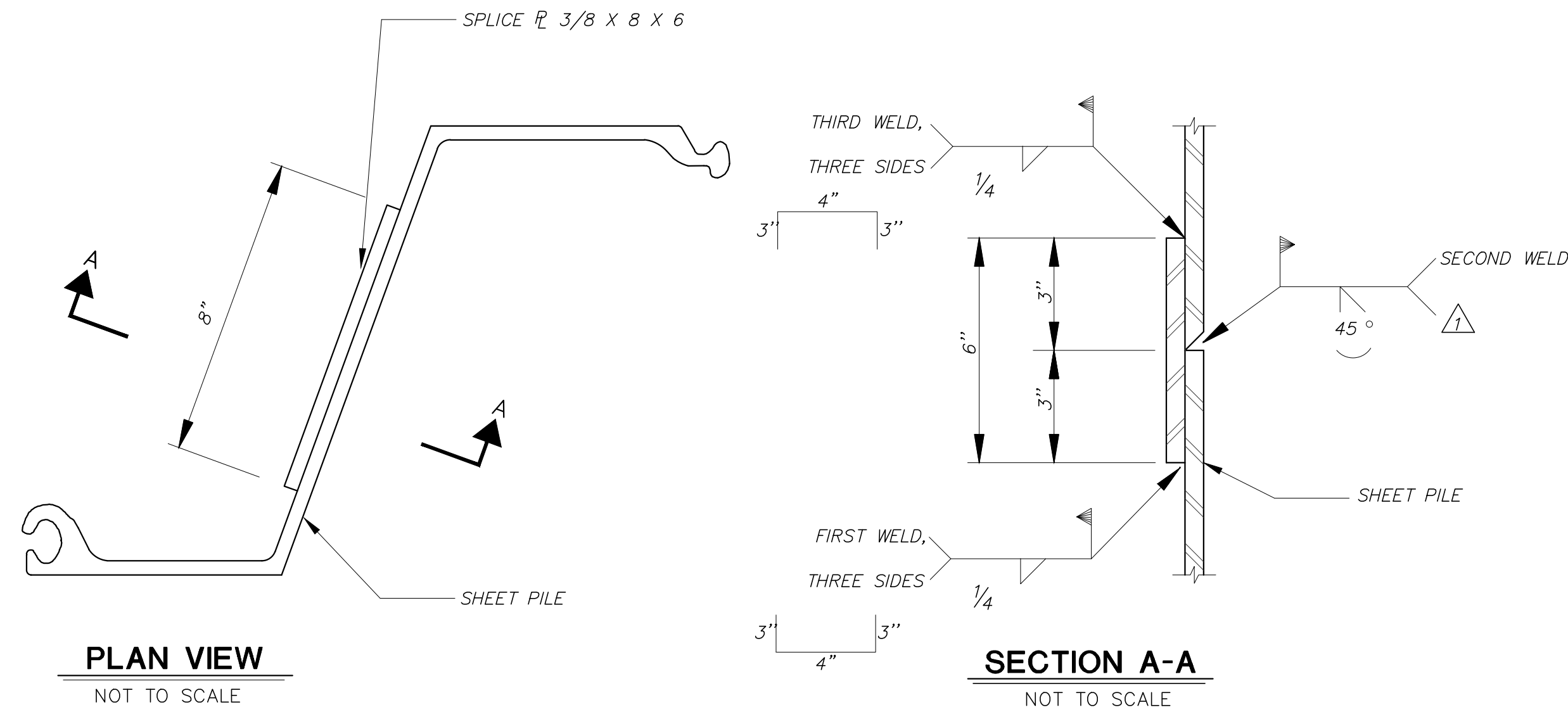
DESIGNED: ME, LN 8/14/2024
 DRAWN: CS 8/15/2024
 CHECKED: CS 8/16/2024

SPEC. NO.	WP25-05
PROJ. NO.	82045

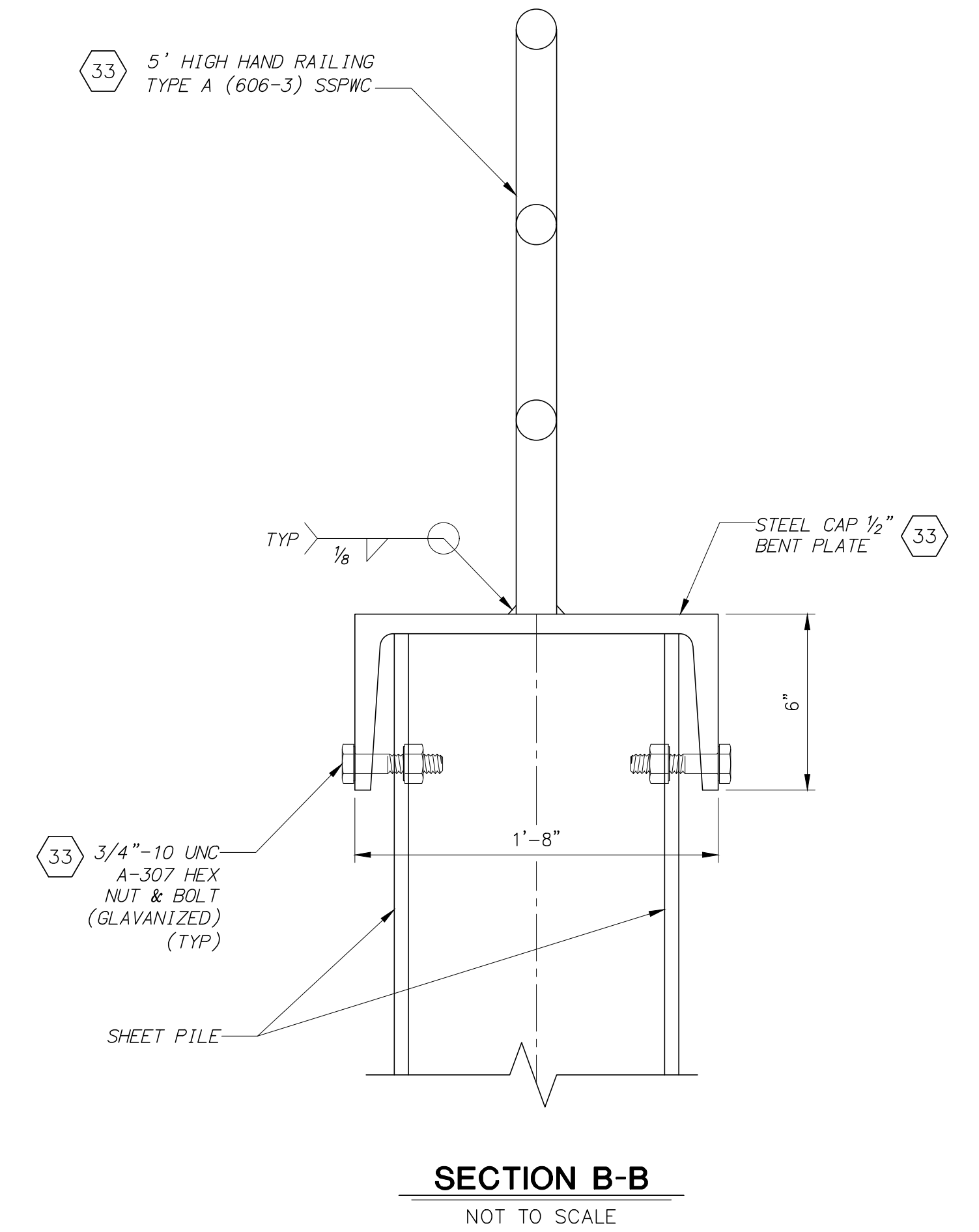
SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 SHEET PILE ANCHOR DETAILS

SHEET	18
OF	62
DRAWING NO.	WPD-2-388

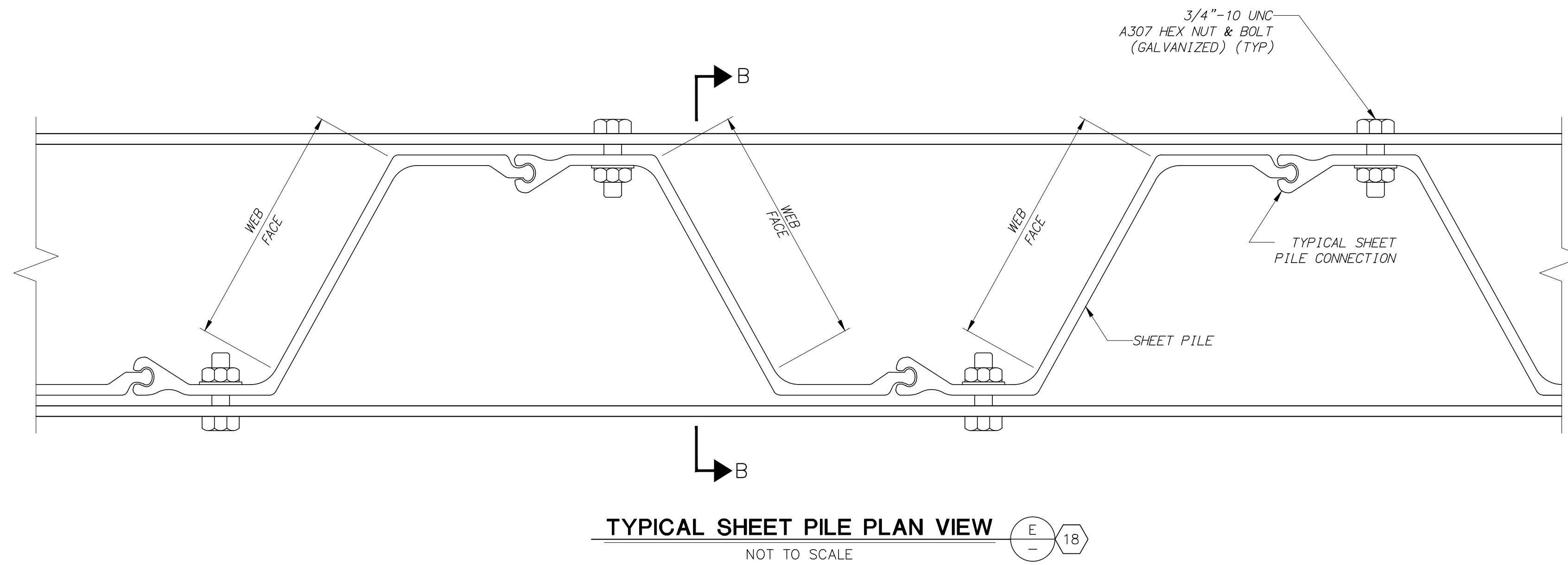
NOTES:
 1. GROOVE WELD SHALL EXTEND THE FULL LENGTH OF THE SHEET PILE WEB AND FLANGES EXCLUDING THE INTERLOCKS.



SHEET PILE SPLICE DETAIL
 NOT TO SCALE



SECTION B-B
 NOT TO SCALE



TYPICAL SHEET PILE PLAN VIEW
 NOT TO SCALE



REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKERINTL.COM

Michael Embrey
 R.C.E. 8/1/2024

DESIGNED	ME, LN	8/14/2024
DRAWN	CS	8/15/2024
CHECKED	CS	8/16/2024

**VENTURA COUNTY
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION**

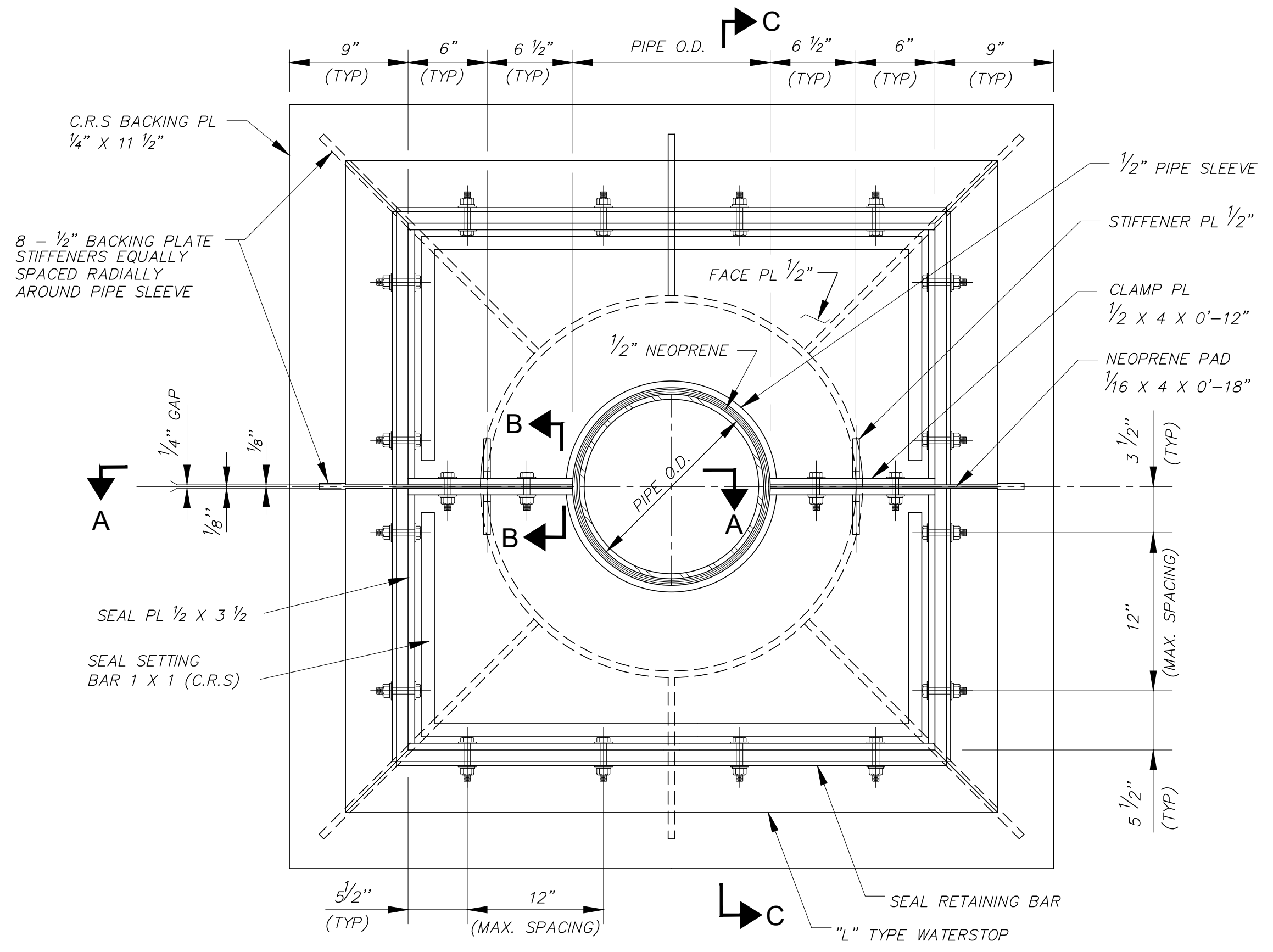
SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**

SHEET PILE DETAILS NO. 1

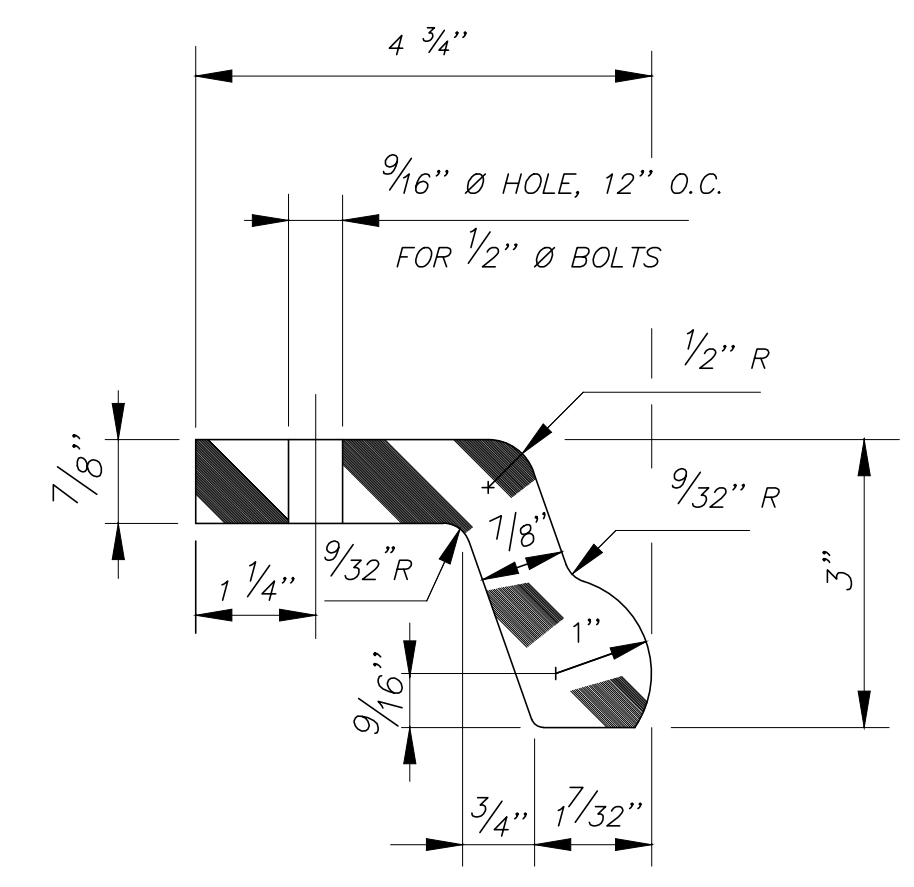
SHEET	19
OF	62
DRAWING NO.	WPD-2-388

BUCKHORN RUBBER PRODUCTS, INC.
MOLD NO. 6404.
SPECIFICATION: NATURAL-177
OR EQUAL

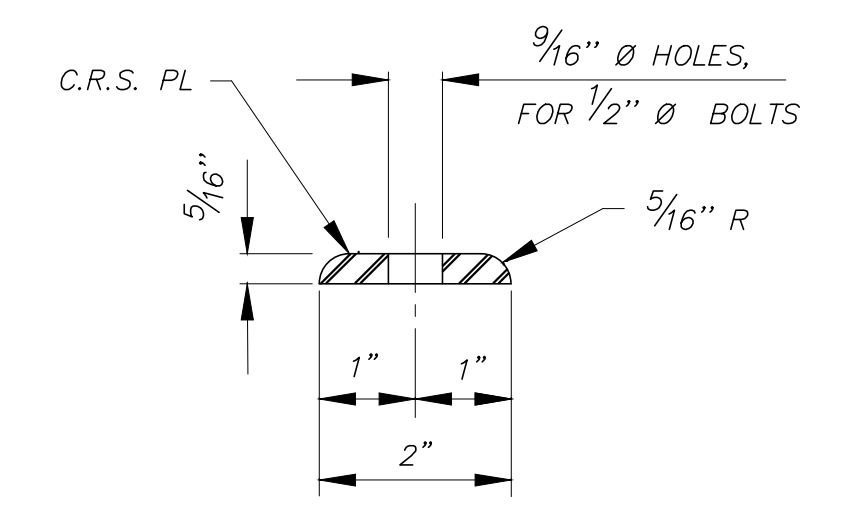


FLOOD SIDE ELEVATION

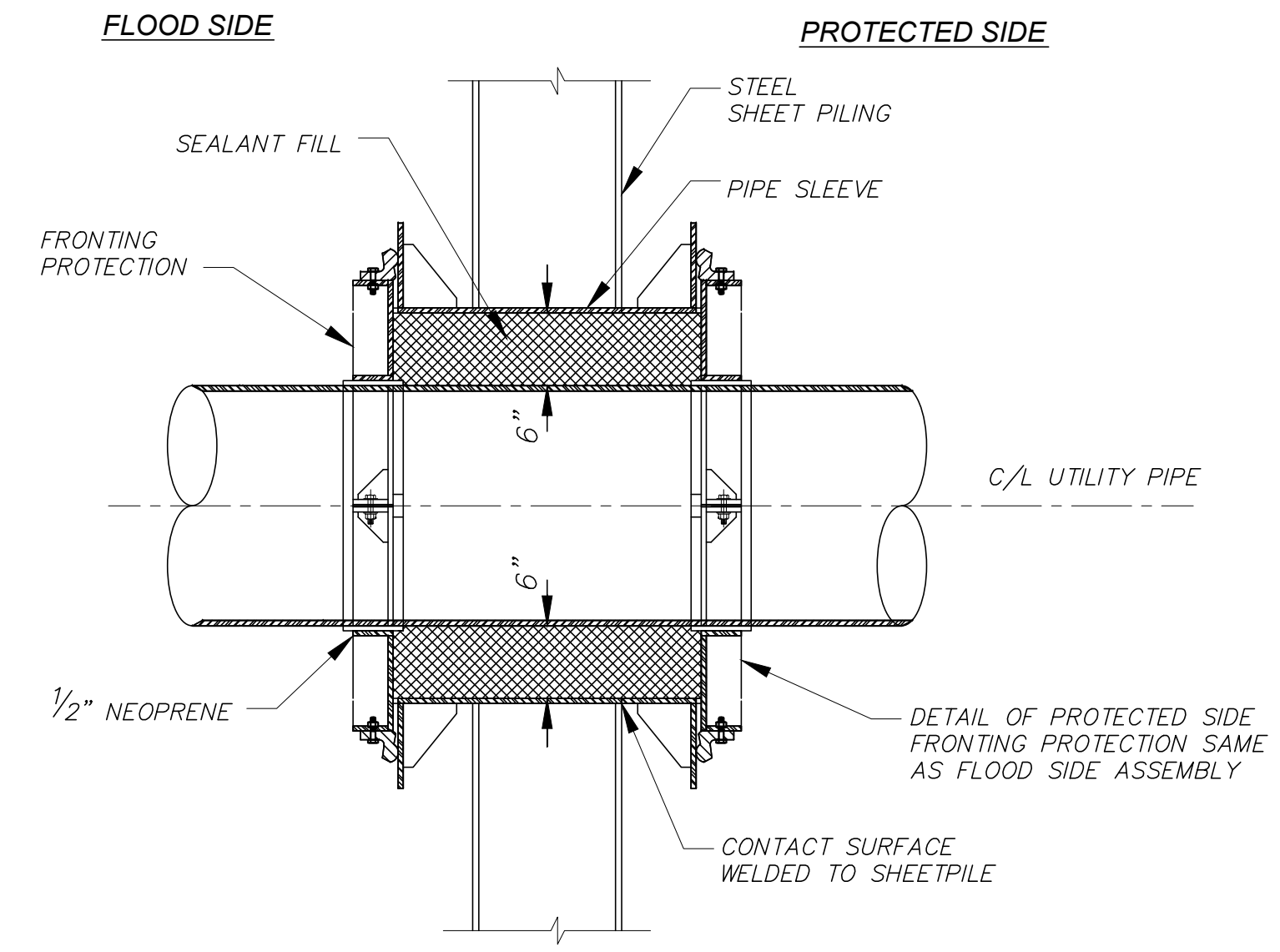
FRONTING PROTECTION UTILITY DETAIL
SCALE: 1 1/2" = 1'-0"



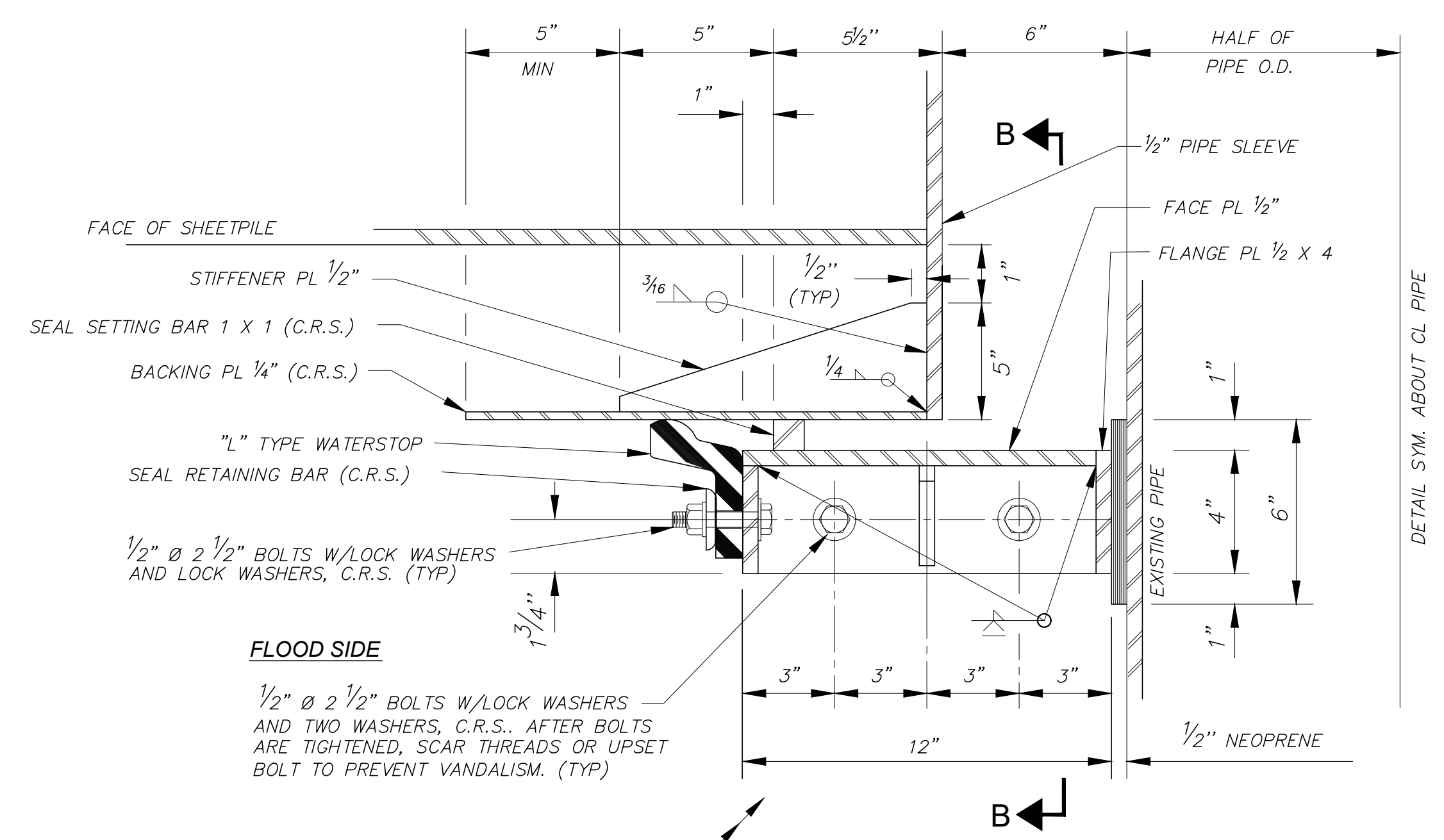
" L " TYPE WATERSTOP
SCALE: 6" = 1'-0"



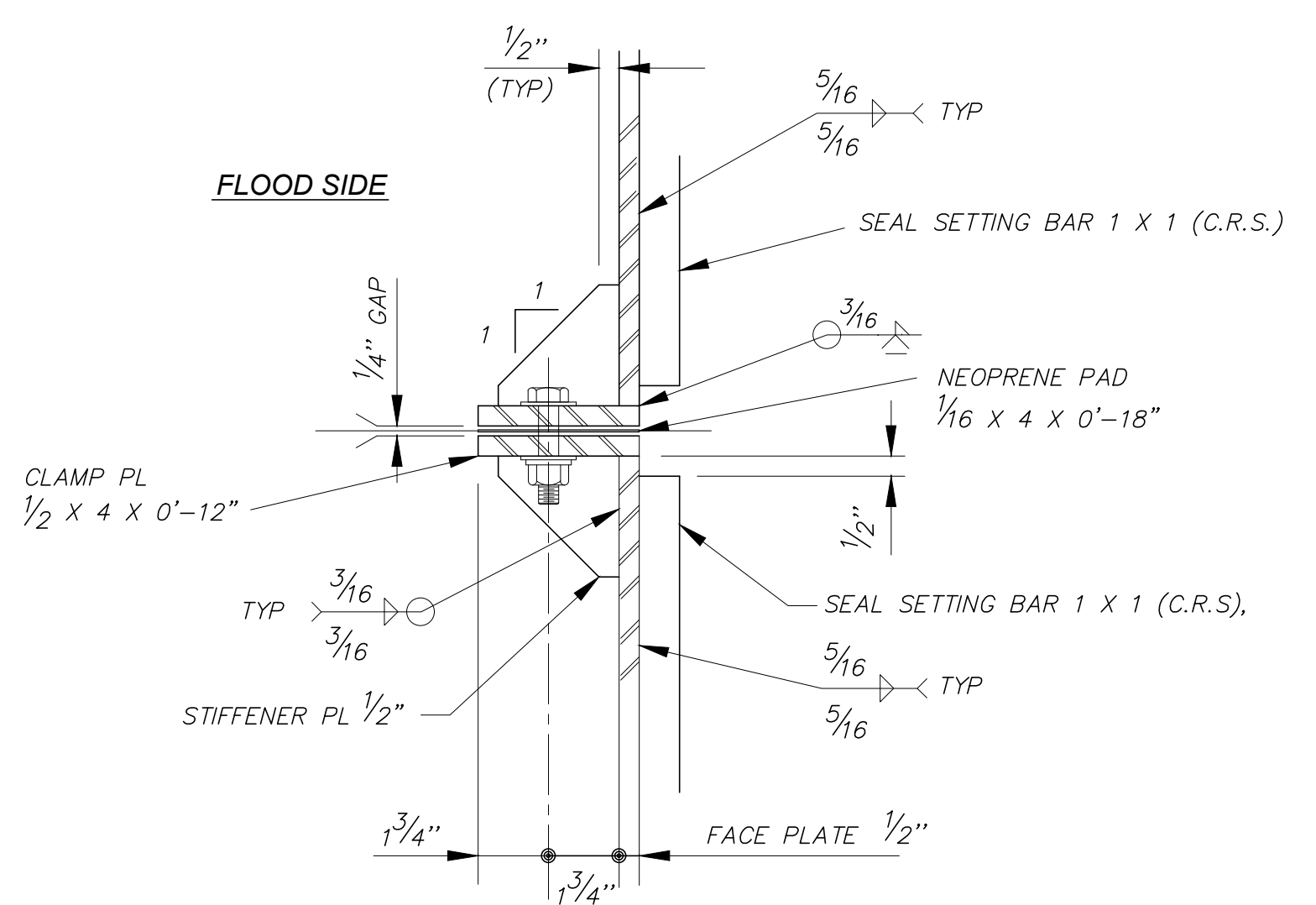
SEAL RETAINING BAR
SCALE: 6" = 1'-0"



SECTION THRU SHEETPILE WALL C-C
NOT TO SCALE



SECTION A-A
SCALE: 3" = 1'-0"



SECTION B-B
SCALE: 3" = 1'-0"

- NOTES:**
1. SET SEAL FOR A MINIMUM OF A 1/4" INITIAL DEFLECTION.
 2. THIS DETAIL IS BASED ON THE NEW WALL FACE BEING PERPENDICULAR TO THE PIPE.
 3. GAS AND PETROLEUM PIPELINES MAY REQUIRE THAT A 1.5" MINIMUM CONCRETE COATING BE APPLIED BEFORE THE SLEEVE IS INSTALLED.
 4. ALL FLANGE MATERIAL ATTACHED TO THE SHEET PILE SHALL BE STEEL.
 5. ALL MATERIAL FOR FRONTING PROTECTION SHALL BE ALUMINUM, UNLESS OTHERWISE NOTED.
 6. ALL STRUCTURAL ALUMINUM PLATES SHALL BE ASTM B 209, TYPE 6061-T6.
 7. ALL CORROSION-RESISTANT STEEL (C.R.S.) SHALL BE TYPE 316.
 8. WELDS SHOWN ARE TYPICAL FOR SIMILAR JOINTS AND ALL WELDS ON WALL SIDE OF FACE PLATE SHALL BE FLUSH WITH BASE METAL.
 9. AFTER THE TWO FRAMES ARE LOOSELY CLAMPED ON THE PIPE, THE TOTAL ASSEMBLY SHALL BE PUSHED AGAINST THE WALL, SETTING THE SEALS, THEN TIGHTEN CLAMP PLATES TO CLOSE THE 1/4" GAP.
 10. UPON COMPLETION OF THE ASSEMBLY, APPLY AN ANAEROBIC ADHESIVE (LOCTITE THREADLOCKER 290 OR EQUAL) TO ALL NUT AND BOLT JUNCTURES.

DATE: 8/1/24

SAVE DATE: 1/11/24 MAKENZIE.ODONNELL H:\PDATA\136628\CADD\STRUC\DLV\SCR3-PH2\008-SP-6628-5020.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

Michael Embrey
R.C.E.
8/1/2024
DATE

DESIGNED	ME, LN	8/14/2024
DRAWN	CS	8/15/2024
CHECKED	CS	8/16/2024

**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION**

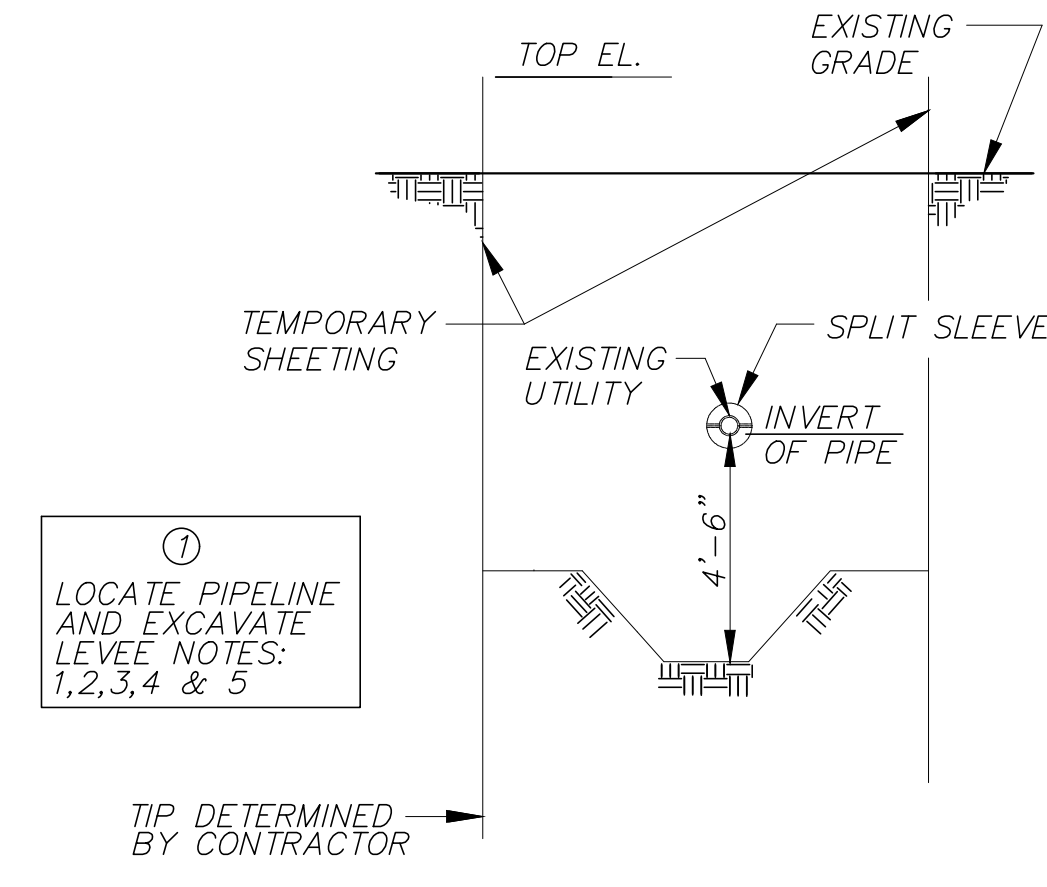
SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
SHEET PILE DETAILS NO. 2

SHEET	20
OF	62
DRAWING NO.	WPD-2-388



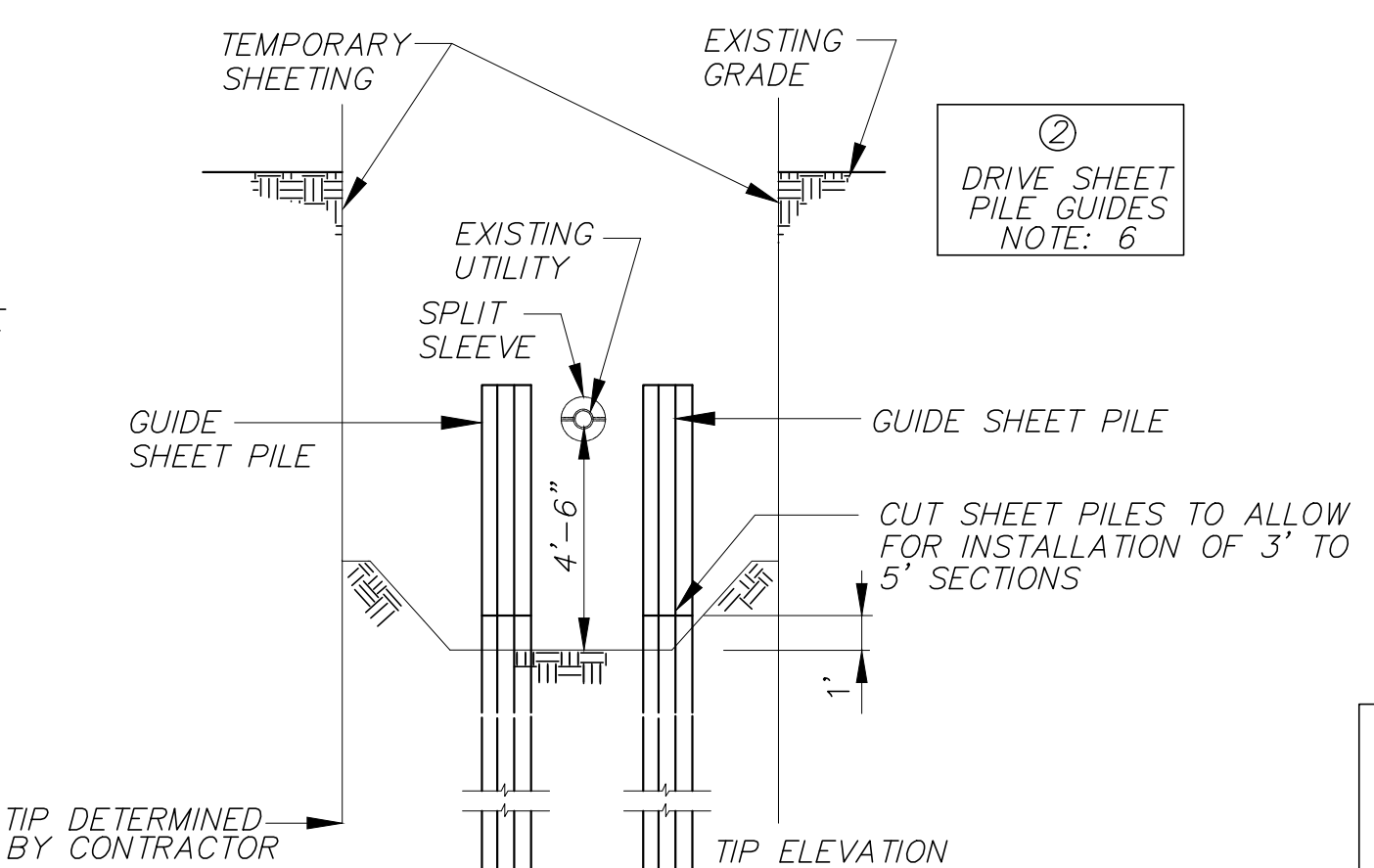
H:\pd\136628\CADD\Struc\DLV\SCR3-PH2\008-SP-6628-5020.dwg, Plotter: Aug 01, 2024 - 4:03pm



① LOCATE PIPELINE AND EXCAVATE LEVEE NOTES: 1, 2, 3, 4 & 5

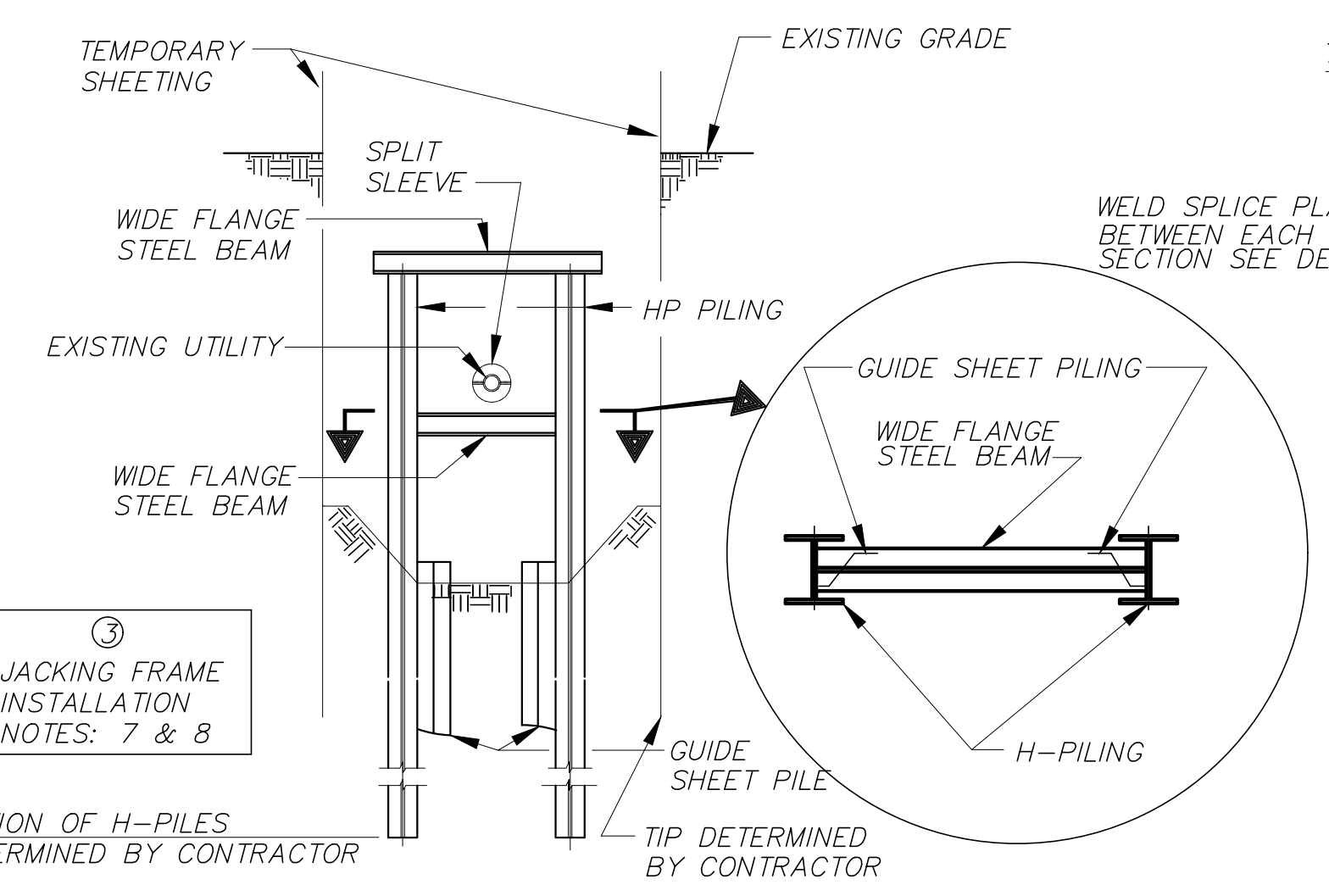
SHEET PILING NOTE: MINIMUM SECTION OF SHEET PILING TO BE DETERMINED BY USACE.

EXCAVATION NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE EXCAVATION, SEE JACKING NOTES 4 & 5.

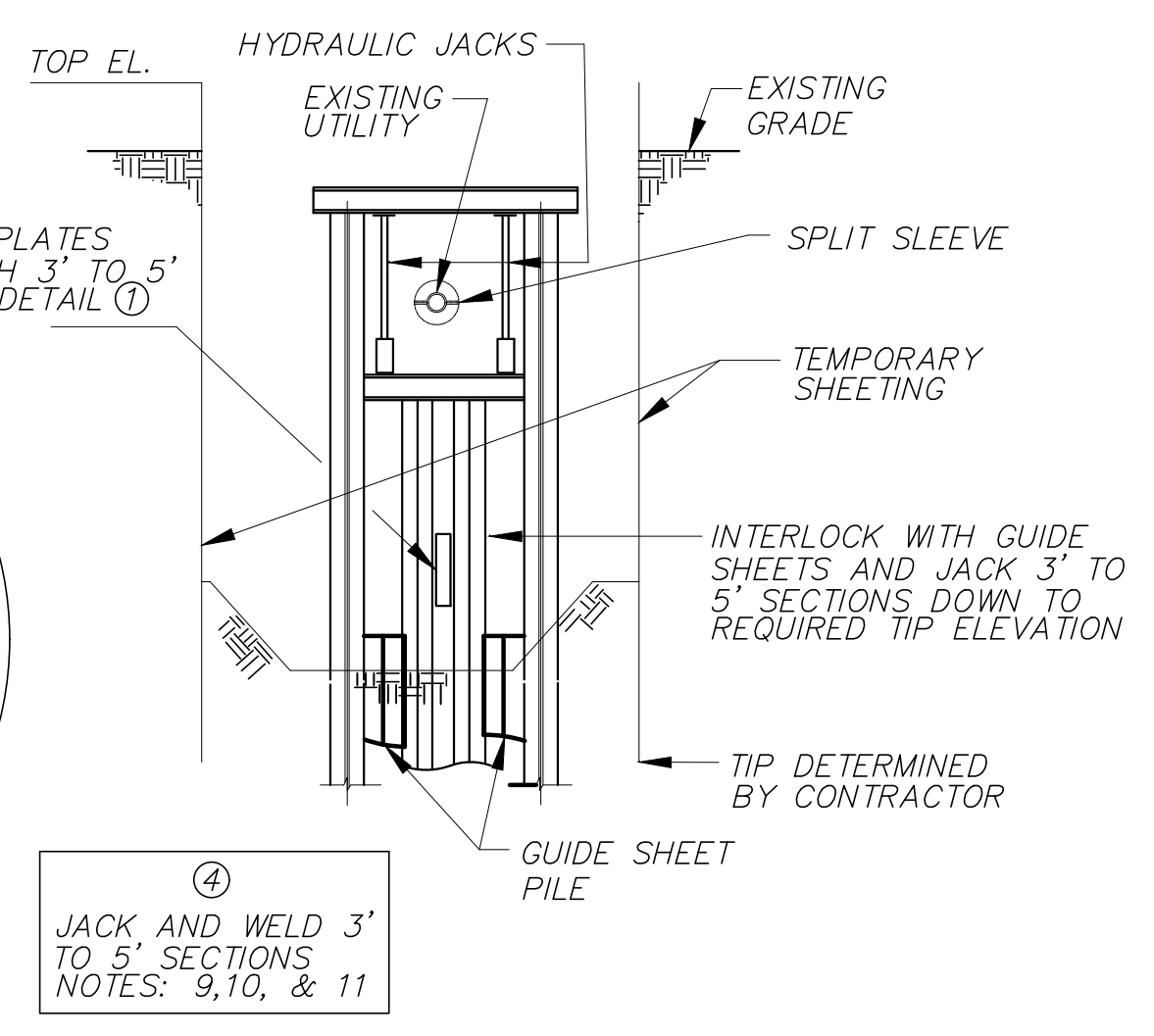


② DRIVE SHEET PILE GUIDES NOTE: 6

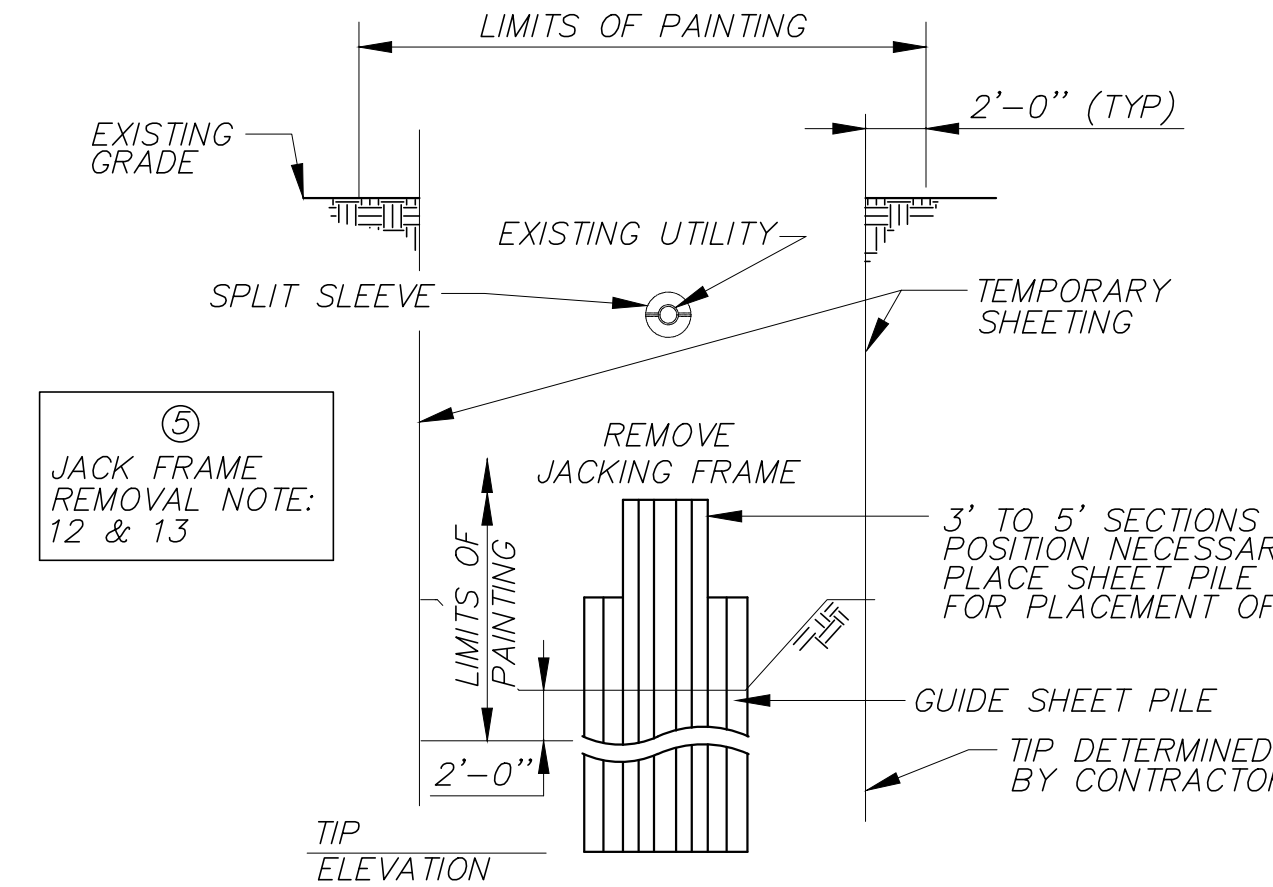
TIP ELEVATION OF H-PILES TO BE DETERMINED BY CONTRACTOR



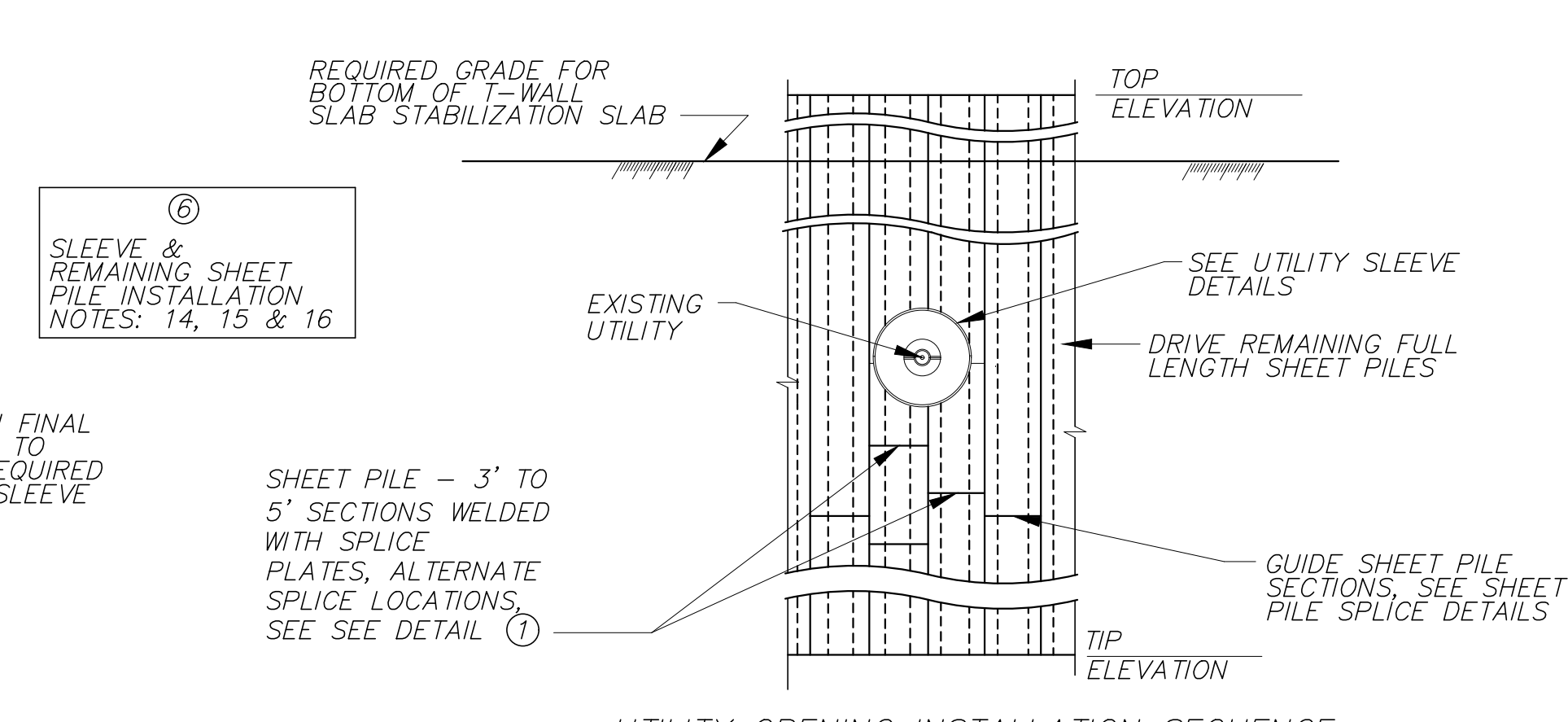
③ JACKING FRAME INSTALLATION NOTES: 7 & 8



④ JACK AND WELD 3' TO 5' SECTIONS NOTES: 9, 10, & 11



⑤ JACK FRAME REMOVAL NOTE: 12 & 13



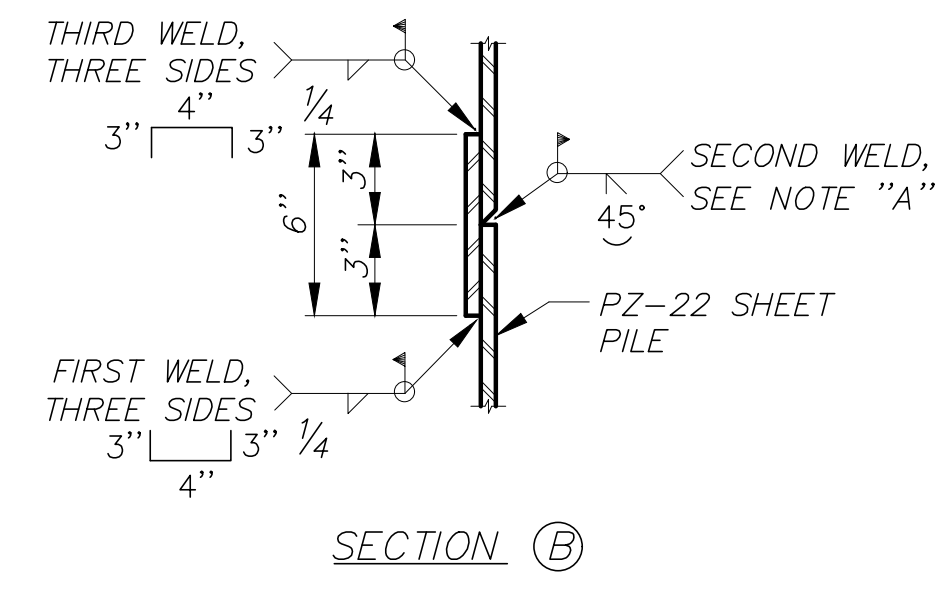
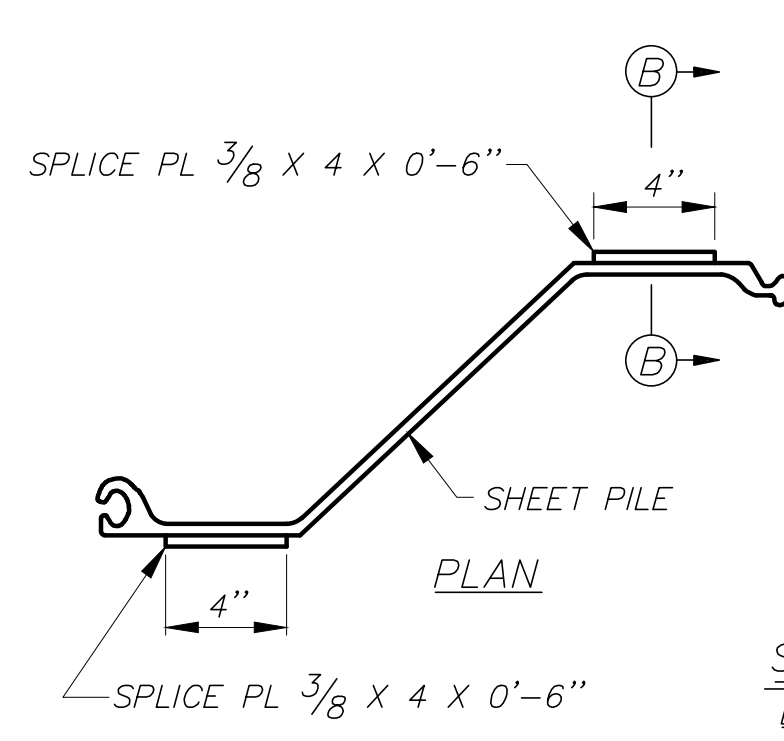
⑥ SLEEVE & REMAINING SHEET PILE INSTALLATION NOTES: 14, 15 & 16

UTILITY OPENING INSTALLATION SEQUENCE

GENERAL NOTES:

- ANY PIPELINE PENETRATION THRU THE FLOOD PROTECTION SHALL CONFORM TO USACE PERMIT STANDARDS DRAWINGS 5A THRU 5C, FILE NUMBER H-8-29027, DATED OCTOBER 2002, AS SHOWN ON DRAWING 13.
- STEEL PIPE SLEEVES SHALL BE ASTM A53, TYPE S, GRADE B, PLAIN END. FOR OUTER EDGES WITH DIAMETER LESS THAN OR EQUAL TO 24 INCHES.

SLEEVE SCHEDULE	
SHEET PILE DEPTH "D"	SLEEVE LENGTH
12" OR LESS	3'-0"
GREATER THAN 12"	3'-4"



SHEET PILE SPLICE DETAIL

NOTE "A": GROOVE WELD SHALL EXTEND THE FULL LENGTH OF THE SHEET PILE WEB AND FLANGES EXCLUDING THE INTERLOCKS.
 SPLICE PLATE NOTE: TWO SPLICE PLATES PER SHEET PILE MINIMUM ON ANY SHEET PILE SPLICE.
 WELD NOTE: WELDS SHOWN ON SECTION B

JACKING NOTES:

- RESERVED
- CONTRACTOR FOR THE UTILITY SHALL LOCATE, MARK, EXCAVATE AND EXPOSE THE UTILITY AS NECESSARY FOR PLACEMENT OF THE SPLIT SLEEVE CARRIER. MARKERS PLACED FOR THE UTILITY SHALL BE CLEARLY VISIBLE, SO THE CONTRACTOR CAN CLEARLY LOCATE THE UTILITY DURING CONSTRUCTION. PERMANENT MARKERS SHALL BE PLACED BY THE CONTRACTOR FOR THE UTILITY AFTER COMPLETION OF THE CONSTRUCTION PROJECT.
- CONTRACTOR FOR THE UTILITY SHALL PLACE THE UTILITY IN THE SPLIT-SLEEVE CARRIER PRIOR TO ANY WORK BY THE CONTRACTOR. THE CONTRACTOR MAY BE REQUIRED BY THE UTILITY OWNER TO SUPPORT THE UTILITY WITHIN THE EXCAVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION ACTIVITIES REGARDING EXCAVATING FOR AND DRIVING OF THE SHEET PILE AND PLACING THE RELOCATION/UTILITY THROUGH THE SHEET PILE WALL.
- THE CONTRACTOR SHALL EXCAVATE THE EXISTING GROUND TO AN ELEVATION 4'-6" BELOW OF THE INVERT OF THE PIPELINE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE EXCAVATION. THE DESIGN SHALL BE STAMPED BY A REGISTERED ENGINEER, LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.
- THE CONTRACTOR SHALL DRIVE TWO (2) SHEET PILE GUIDES AS SHOWN IN SEQUENCE 2 ABOVE.
- THE CONTRACTOR SHALL DRIVE H-PILES TO A DEPTH DETERMINED BY DESIGN CALCULATIONS.
- THE CONTRACTOR SHALL WELD A WIDE FLANGE (WF) CROSS BEAM TO THE TOP OF THE H-PILES AND INSTALL WIDE FLANGE (WF) JACKING BEAM WITH HYDRAULIC JACKS SUPPORTED BY THE CROSS BEAM.

- THE CONTRACTOR SHALL INTERLOCK 3' TO 5' LENGTH SHEET PILES AND JACK BETWEEN SHEET PILE GUIDES AS SHOWN IN SEQUENCE 4.
- AFTER THE FIRST 3' TO 5' PANEL HAS BEEN DRIVEN, RAILROAD GATE CONTRACTOR SHALL WELD THE NEXT 3' TO 5' PANEL TO THE PREVIOUS PANEL USING SPLICE PLATES (SEE SHEET PILE SPLICE DETAIL).
- RAILROAD GATE CONTRACTOR SHALL REPEAT STEPS IN NOTES 9 AND 10 UNTIL THE SHEET PILING BELOW THE PIPELINE IS DRIVEN TO AN ELEVATION REQUIRED FOR PLACEMENT OF SHEET PILES WHICH ARE NECESSARY FOR PLACEMENT OF OUTER SLEEVE.
- THE CONTRACTOR SHALL REMOVE JACKING FRAME.
- ALL SHEET PILE ABOVE AN ELEVATION TWO (2) FEET BELOW THE EXCAVATION SHALL BE PAINTED IN ACCORDANCE WITH SPECIFICATIONS. THE HORIZONTAL LIMITS OF PAINTING SHALL BE TWO (2) FEET BEYOND THE EDGE OF THE EXCAVATION.
- THE CONTRACTOR SHALL INSTALL SHEET PILING NECESSARY TO PLACE SLEEVE, AND AFTER SLEEVE PLACEMENT IS COMPLETE, PLACE THE REMAINING SHEET PILE.
- THE CONTRACTOR SHALL INSTALL SHEET PILING TO GRADE. NOTE: IF PILING BELOW THE UTILITY IS DRAGGED DOWNWARD DURING DRIVING OF ADJACENT PILING, CONTRACTOR SHALL ADD LENGTH BY WELDING NEW PILING TO REQUIRED GRADE. DO NOT PULL SHEET PILE UP TO GRADE.
- THE CONTRACTOR SHALL BACKFILL THE EXCAVATION WITH THE SAME MATERIAL EXCAVATED TO THE REQUIRED GRADE. THE MATERIAL SHALL BE REPLACED WITHOUT COMPACTION AND AS CLOSE TO ITS IN-SITU STATE AS POSSIBLE. AT NO TIME SHALL THE SHEET PILE BE PULLED TO GRADE IF IT HAS MOVED.

DATE: 8/1/24

SAVE DATE: 1/11/24 MAKENZIE.ODONNELL H:\PDATA\136628\CADD\STRUC\DLV\SCR3-PH2\009-SP-6628-5021.DWG

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM
 Michael Embrey
 R.C.E. 8/1/2024

DESIGNED	ME, LN	8/14/2024
DRAWN	CS	8/15/2024
CHECKED	CS	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

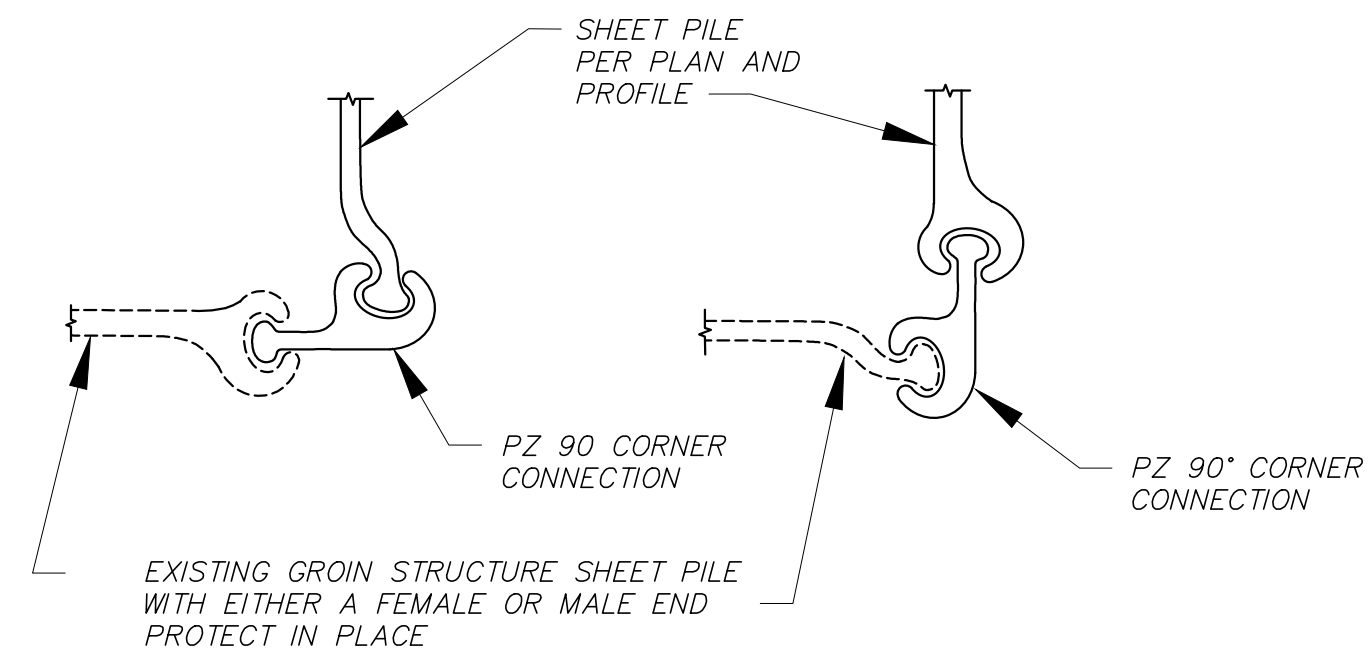
SPEC. NO.	WP25-05
PROJ. NO.	82045

SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 SHEET PILE DETAILS NO. 3



SHEET	21
OF	62
DRAWING NO.	WPD-2-388

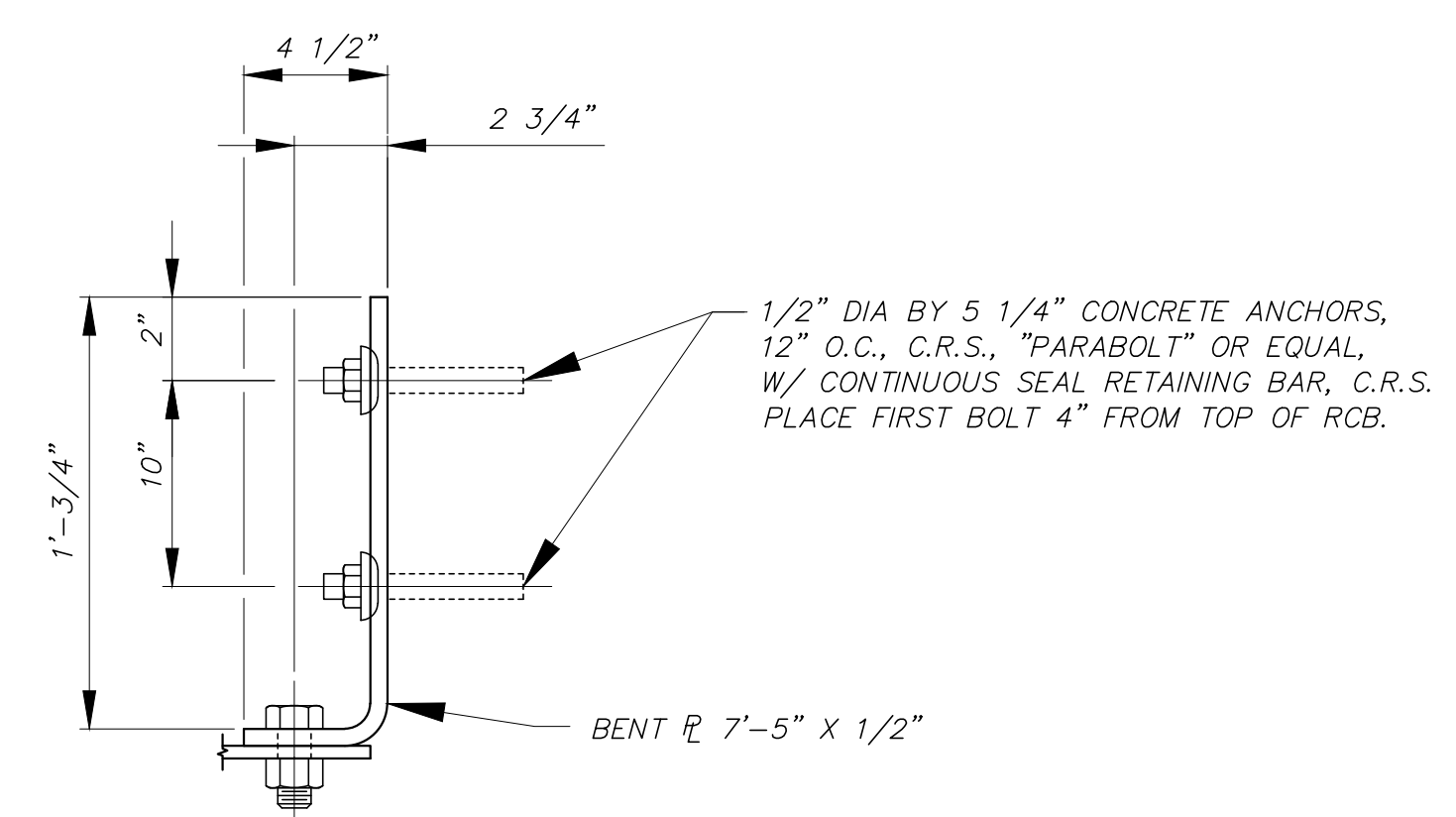
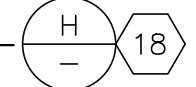
H:\pd\136628\CADD\Struc\DLV\SCR3-PH2\009-SP-6628-5021.dwg, Plotter: Aug 01, 2024 - 4:03pm



NOTE:
THE CONTRACTOR SHALL VERIFY EXISTING CONDITION
BEFORE ORDERING OR FABRICATING ANY MATERIAL

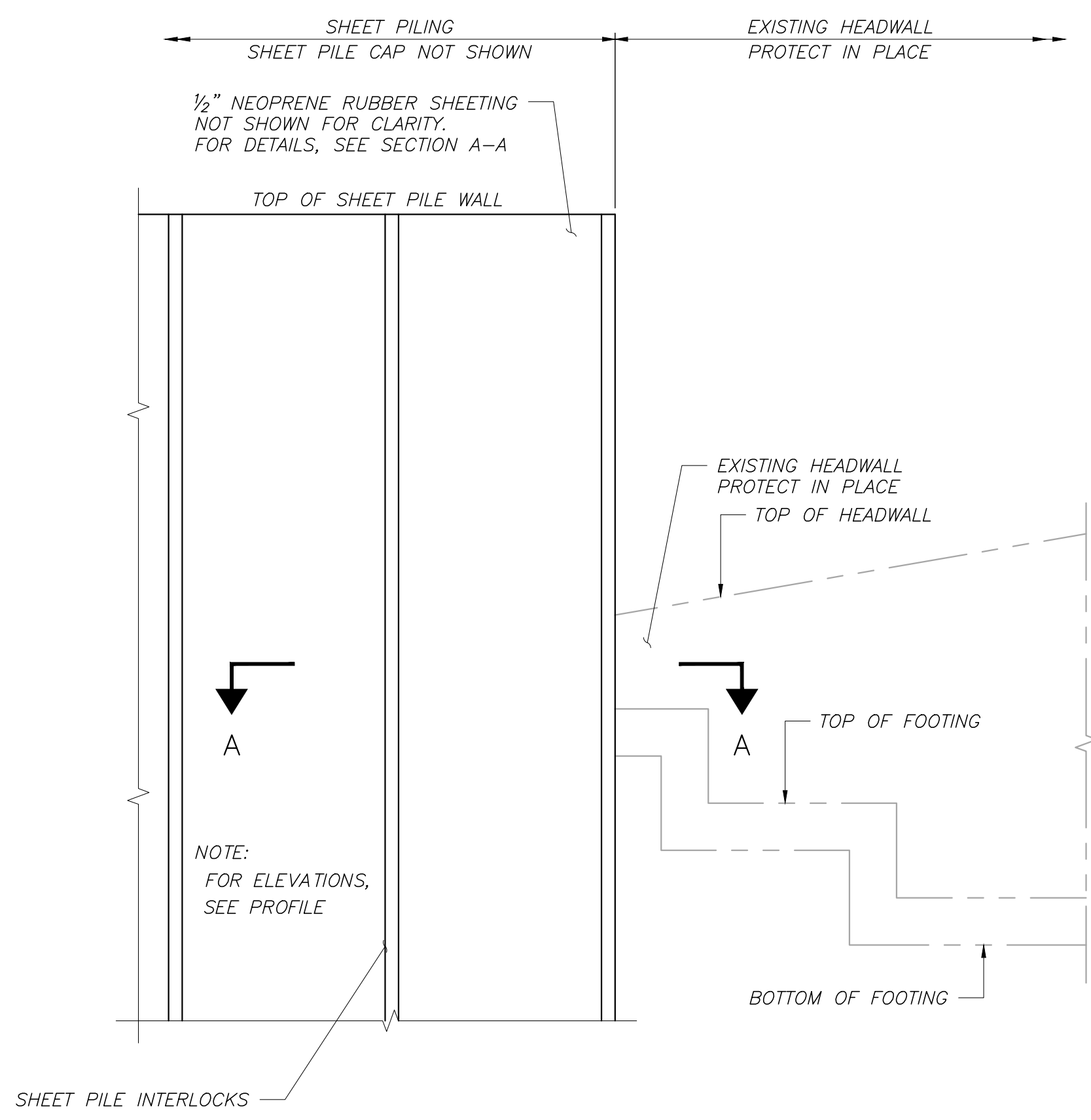
SHEET PILE TO EXISTING GROIN STRUCTURE CONNECTION

NOT TO SCALE



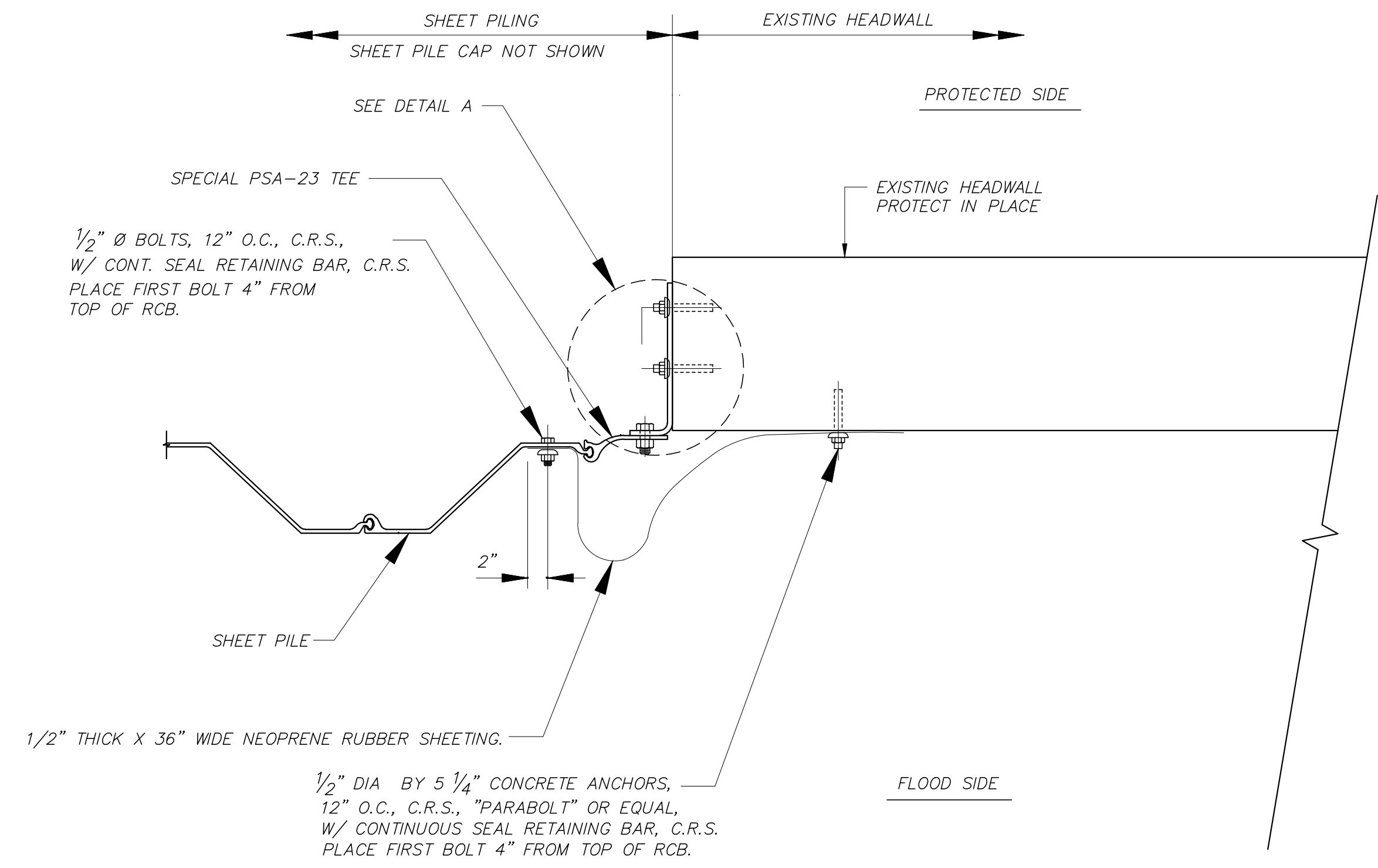
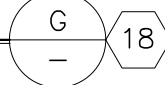
DETAIL A

NOT TO SCALE



SHEET PILE TO EXISTING REINFORCED CONCRETE BOX (RCB) CULVERT

SCALE: 3/8" = 1'-0"



SECTION A-A

NOT TO SCALE

DATE: 8/1/24

SAVE DATE: 1/11/24 MAKENZIE.ODONNELL H:\PDATA\136628\CADD\STRUC\DLV\SCR3-PH2\010-SP-6628-5022.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

Michael Embrey 8/1/2024
R.C.E. DATE

DESIGNED	ME, LN	8/14/2024
DRAWN	CS	8/15/2024
CHECKED	CS	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

Michael Embrey DISTRICT PROJECT MANAGER
Michael Embrey DEPUTY DIRECTOR
Michael Embrey DISTRICT DIRECTOR

SPEC. NO.	WP25-05
PROJ. NO.	82045

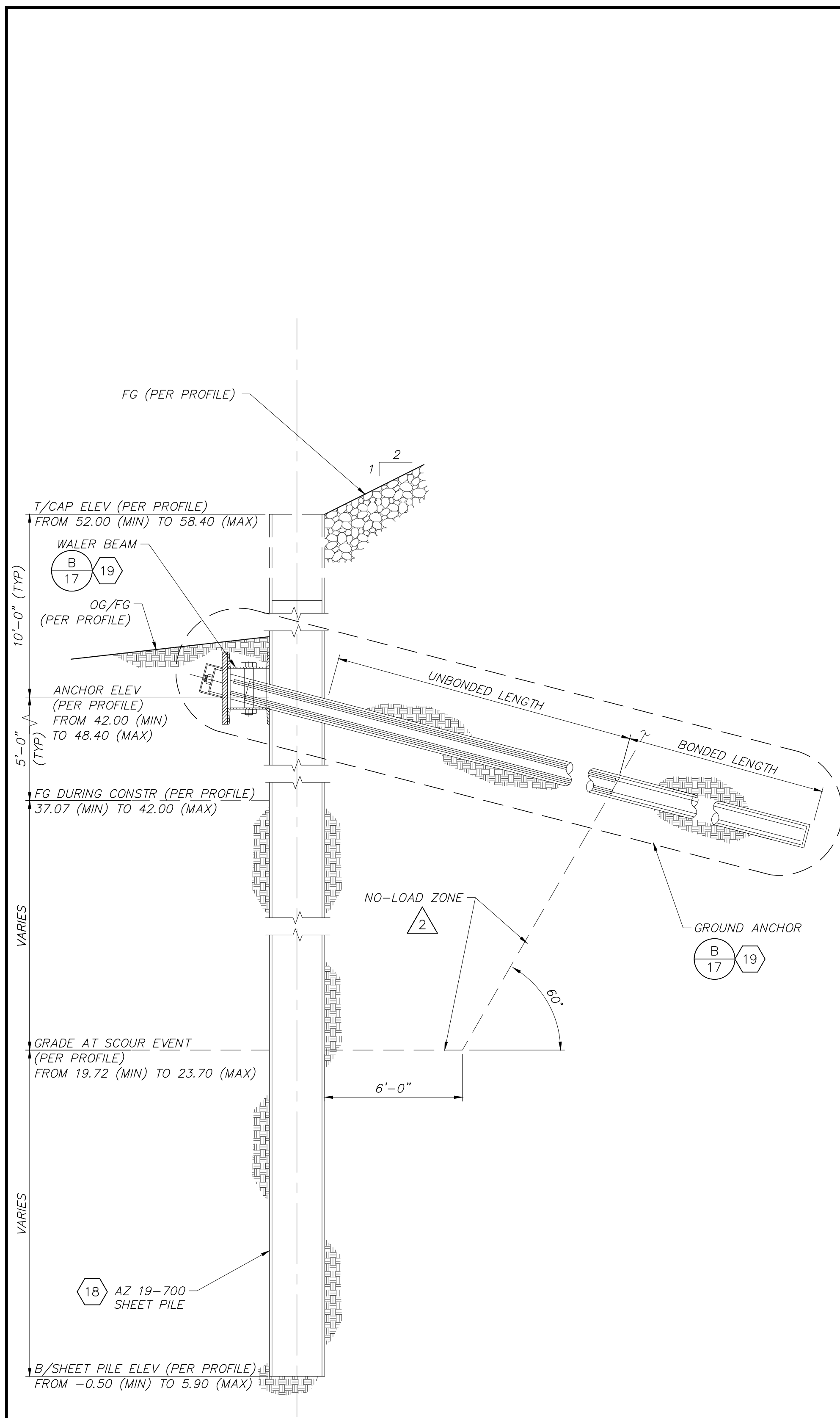
SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2

SHEET PILE DETAILS NO. 4

SHEET	22
OF	62
DRAWING NO.	WPD-2-388

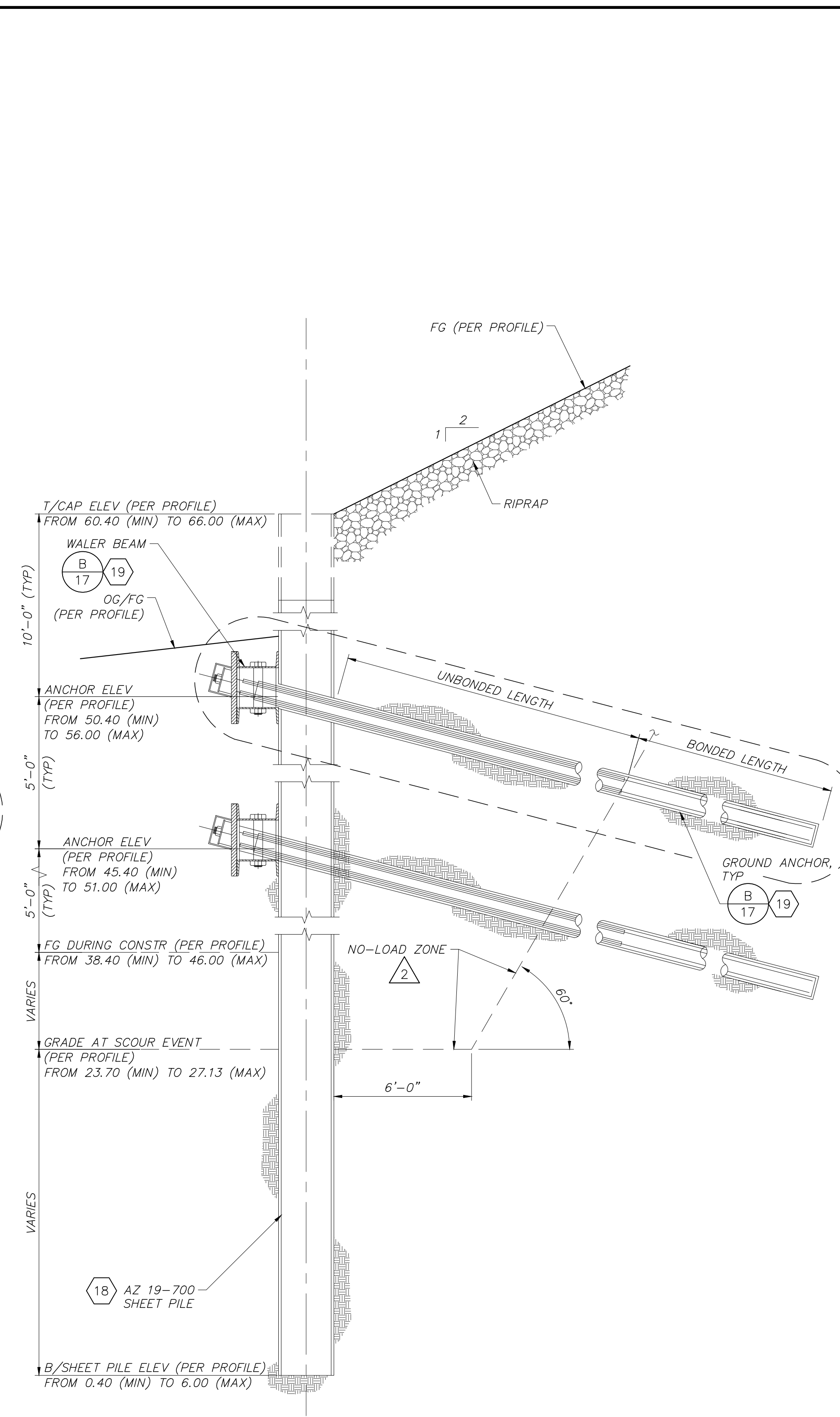


H:\pd\136628\CADD\Struc\DLV\SCR3-PH2\010-SP-6628-5022.dwg, Plotter: Aug 01, 2024 - 4:03pm



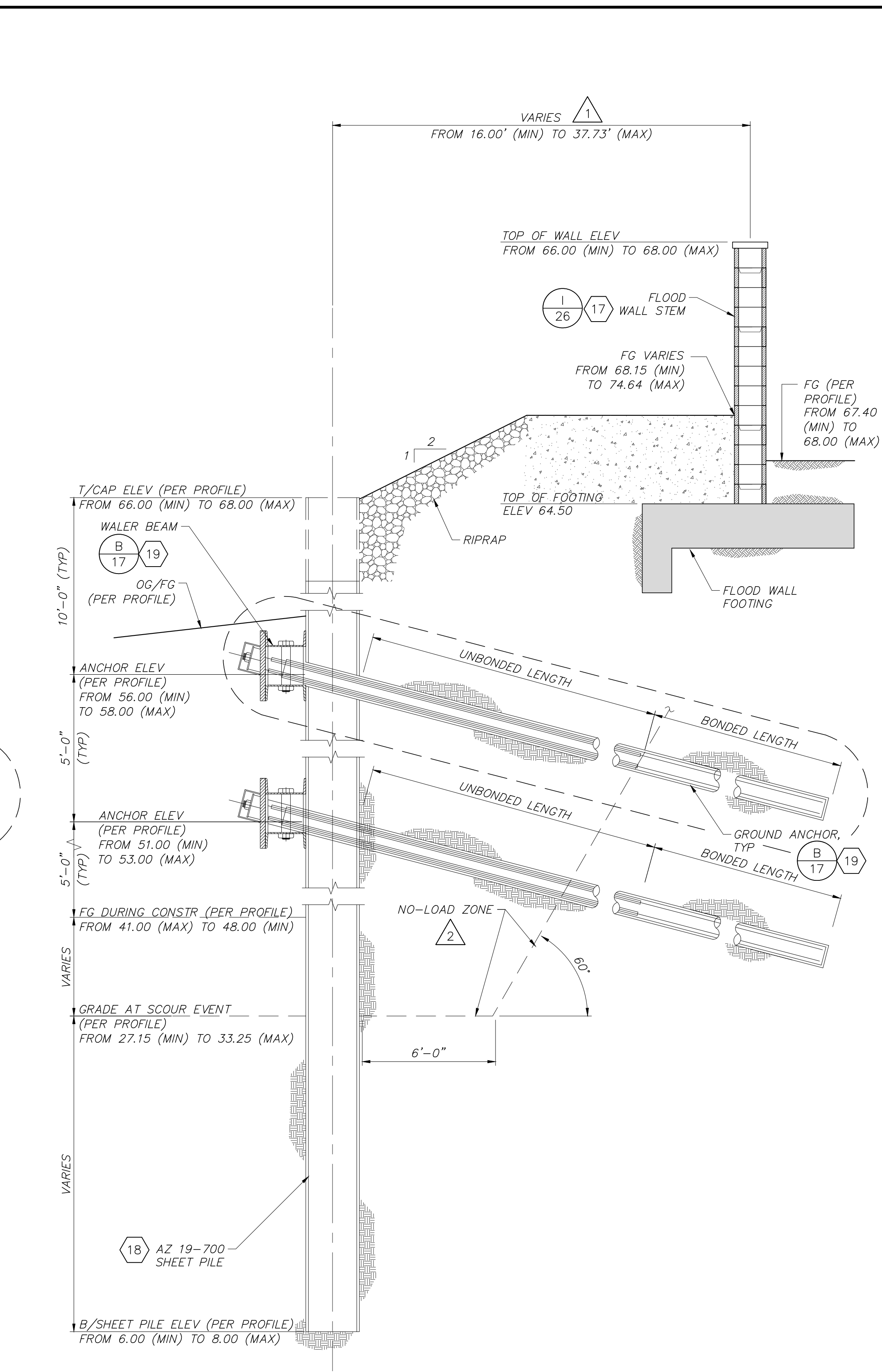
TYPE SP1 SHEET PILE WALL- TYPICAL SECTION (SP1)

LOOKING UPSTREAM
SCALE: 3/8"=1'-0"



TYPE SP2 SHEET PILE WALL- TYPICAL SECTION (SP2)

LOOKING UPSTREAM
SCALE: 3/8"=1'-0"



TYPE SP3 SHEET PILE WALL- TYPICAL SECTION (SP3)

LOOKING UPSTREAM
SCALE: 3/8"=1'-0"

NOTES:

- SEE "FLOODWALL PLAN AND PROFILE STA 217+00 TO STA 236+90" AND "SHEET PILE PROFILE STA 10+00.00 TO STA 15+77.16" SHEETS.
- ANCHORS SHALL NOT BE BONDED IN THE NO-LOAD ZONE.

SAVE DATE: 1/11/24 MAKENZIE.ODONNELL H:\PDATA\136628\CADD\STRUC\DLV\SCR3-PH2\011-SP-6628-5023.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

Michael Embrey
R.C.E.
8/1/2024
DATE

DESIGNED	ME, LN	8/14/2024
DRAWN	CS	8/15/2024
CHECKED	CS	8/16/2024

**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION**

SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**

SHEET PILE ANCHOR SECTIONS

SHEET	23
OF	62
DRAWING NO.	WPD-2-388



H:\pd\136628\CADD\Struc\DLV\SCR3-PH2\011-SP-6628-5023.dwg, Plotter: Aug 01, 2024 - 4:04pm

GENERAL NOTES

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION WITH CALIFORNIA AMENDMENTS.

PRESTRESSING STEEL:
 BARS - ASTM DESIGNATION: A722 TYPE II (150 KSI)

STRAND TENDONS-ASTM DESIGNATION: A416 (270 KSI LOW RELAXION STEEL)

FTL = FACTORED TEST LOAD PER ANCHOR (KIPS)

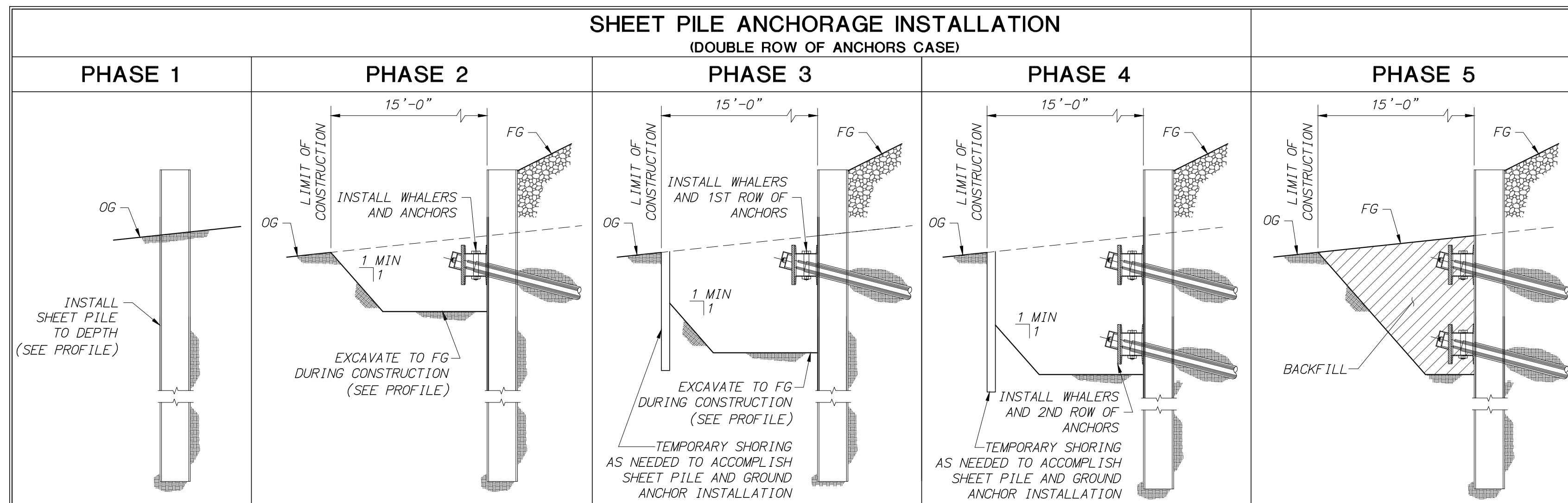
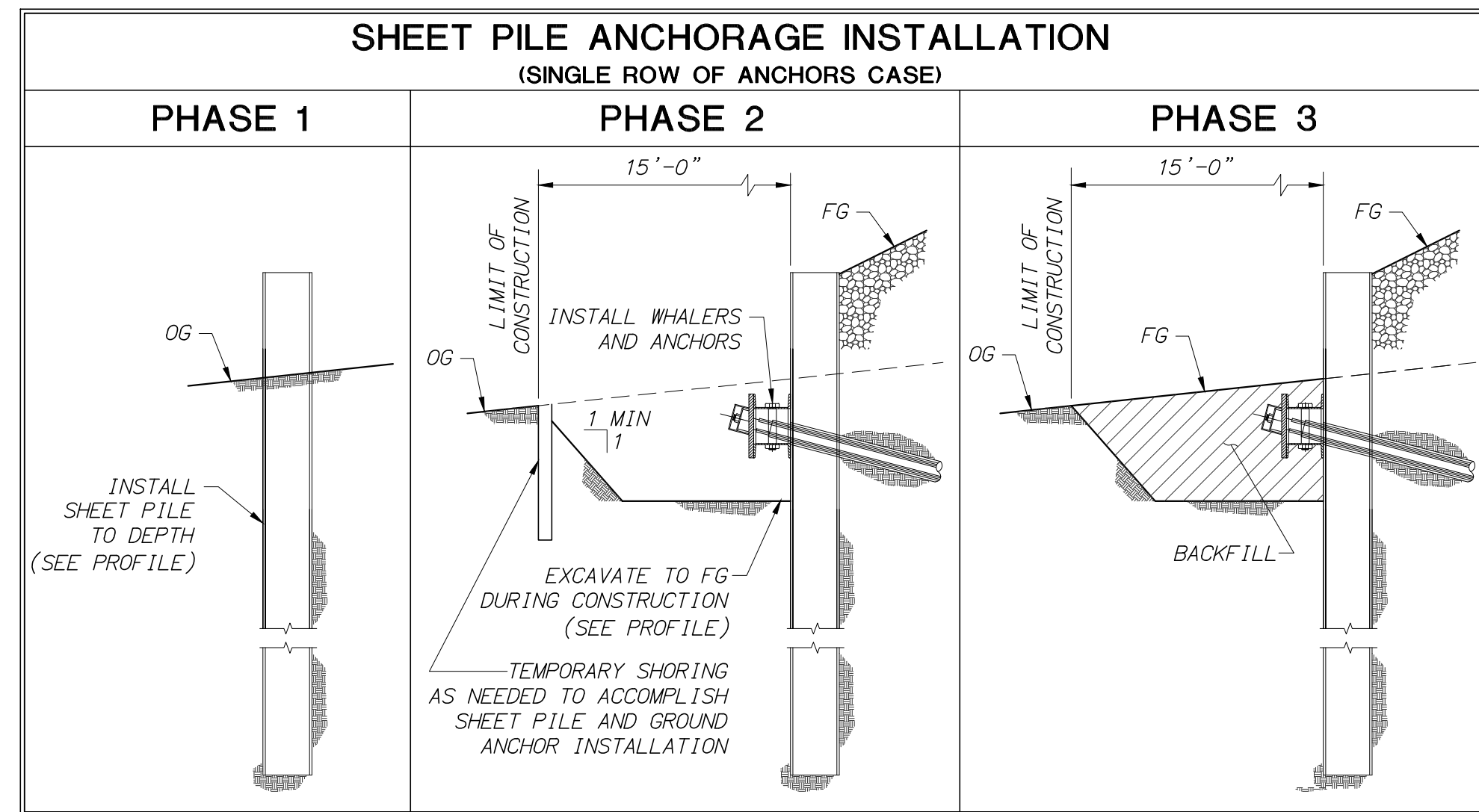
FPU = MINIMUM TENSIL STRENGTH OF PRESTRESSING STEEL

AS = MINIMUM CROSS SECTIONAL AREA OF PRESTRESSING STEEL IN GROUND ANCHOR (SQUARE INCH)

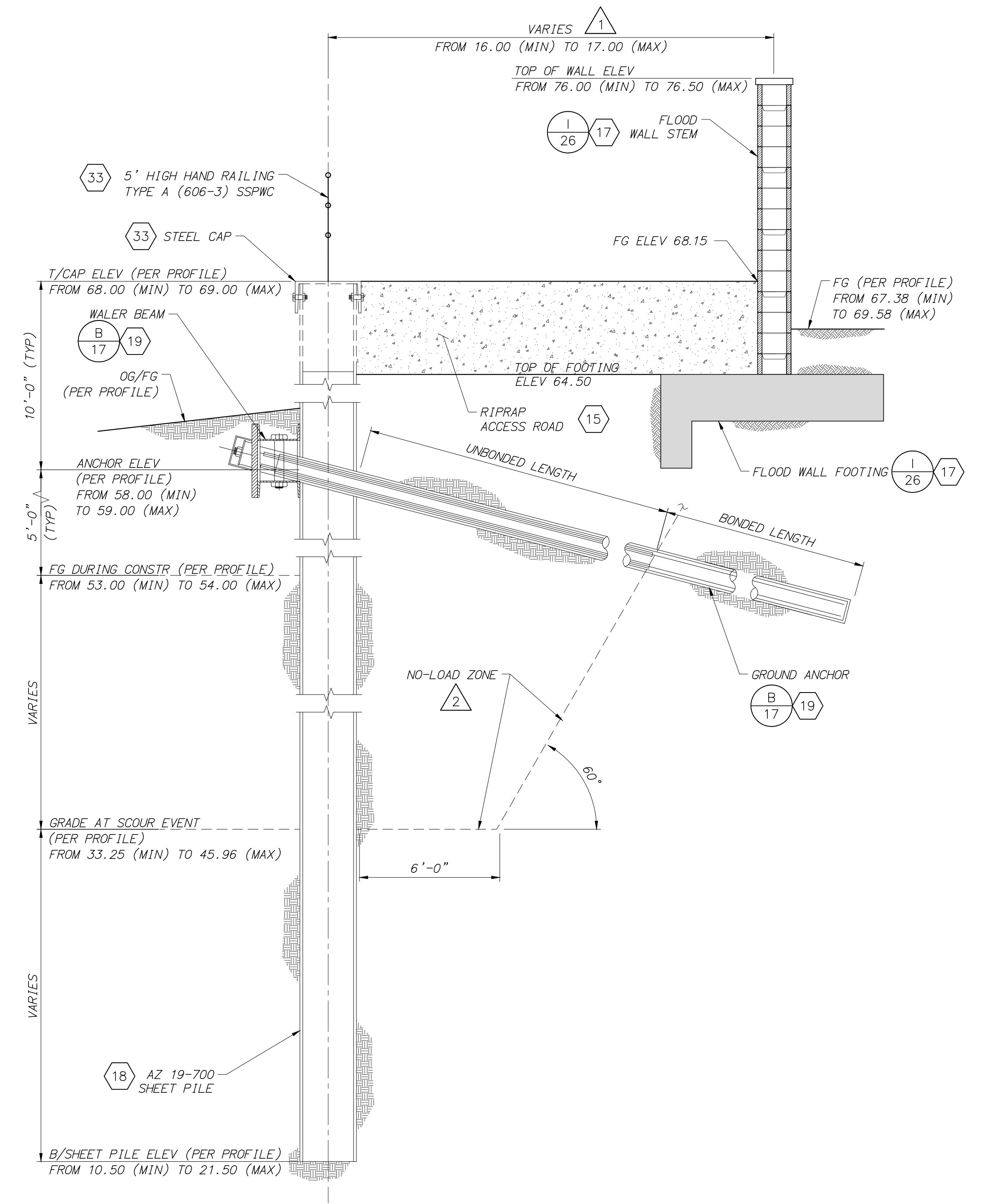
AS(MIN) = $\frac{1.0 \text{ FTL}}{0.75 \text{ FPU}}$ (STRANDS)

AS(MIN) = $\frac{1.0 \text{ FTL}}{0.80 \text{ FPU}}$ (BARS)

Station		Anchor 1					Anchor 2				
Beginning	End	Elevation	FDL	FTL	LL	Lub	Elevation	FDL	FTL	LL	Lub
10+01.02	10+17.24	42	229	230	153	20	-	-	-	-	-
10+17.24	10+37.91	45	229	230	153	21	-	-	-	-	-
10+37.91	10+56.29	47	229	230	153	22	-	-	-	-	-
10+56.29	11+59.64	48.4	229	230	153	23	-	-	-	-	-
11+59.64	11+98.68	50.4	134	135	89	23	45.4	181	185	121	20
11+98.68	12+58.39	53	134	135	89	24	48	217	220	146	21
12+58.39	12+95.37	56	134	135	89	25	51	217	220	146	22
12+95.37	13+27.29	56	134	135	89	25	51	217	220	146	22
13+27.29	14+85.76	57	134	135	89	24	52	217	220	146	22
14+85.76	15+31.70	58	134	135	89	22	53	181	185	121	20
15+31.70	18+30.26	58	227	230	152	21	-	-	-	-	-
18+30.26	22+52.85	58	226	230	151	20	-	-	-	-	-
22+52.85	23+14.64	59	226	230	151	20	-	-	-	-	-



ANCHORAGE INSTALLATION - SEQUENCE OF CONSTRUCTION
NO SCALE



TYPE SP4 SHEET PILE WALL- TYPICAL SECTION (SP4)
LOOKING UPSTREAM
SCALE: 3/8"=1'-0"

NOTES:

- SEE "FLOODWALL PLAN AND PROFILE STA 217+00 TO STA 236+90", "SHEET PILE PROFILE STA 10+00.00 TO STA 15+77.16", AND "SHEET PILE PROFILE STA 15+77.16 TO STA 21+67.89" SHEETS.
- ANCHORS SHALL NOT BE BONDED IN THE NO-LOAD ZONE.

DATE: 8/1/24

SAVE DATE: 7/30/24 FARHAD.HAKEMI H:\PDATA\136628\CADD\STRUC\DLV\SCR3-PH2\012-SP-6628-5024.DWG

REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM

Michael Embrey
 R.C.E.
 8/1/2024
 DATE

DESIGNED	ME, LN	DATE	8/14/2024
DRAWN	CS	DATE	8/15/2024
CHECKED	CS	DATE	8/16/2024

**VENTURA COUNTY
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION**

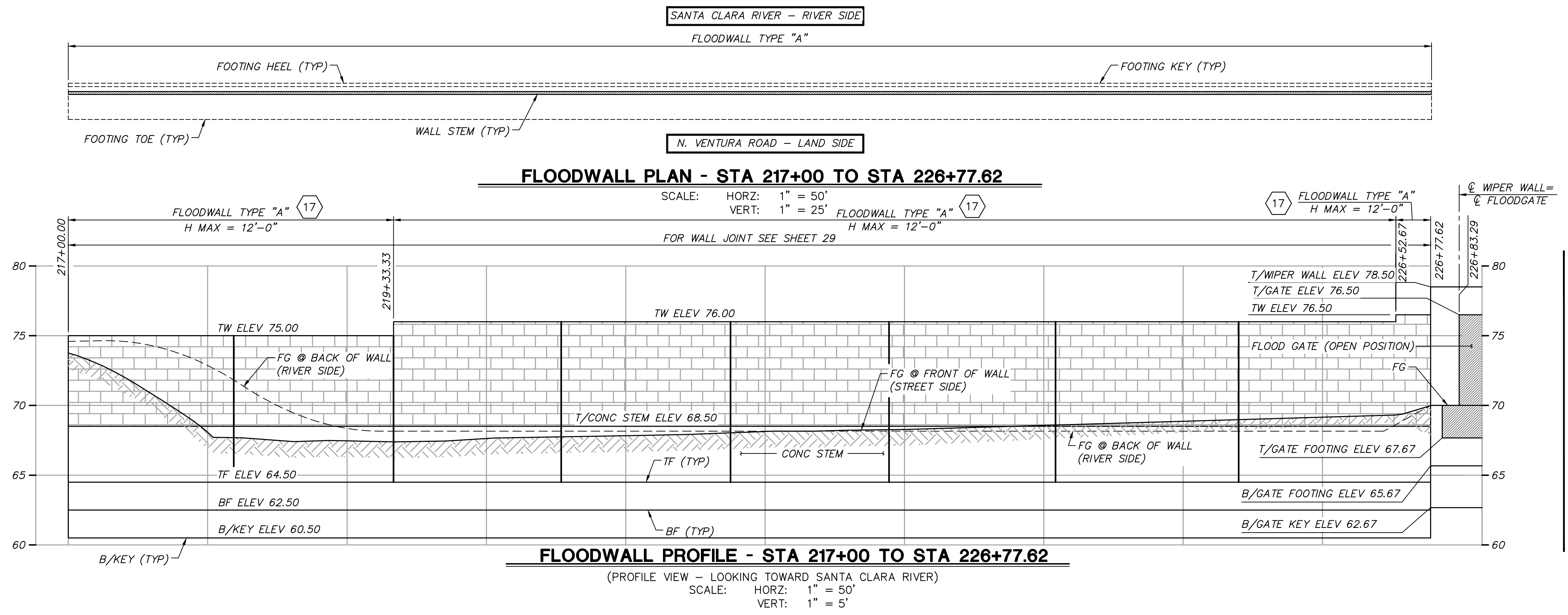
SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
 SHEET PILE ANCHOR SECTION AND SCHEDULE

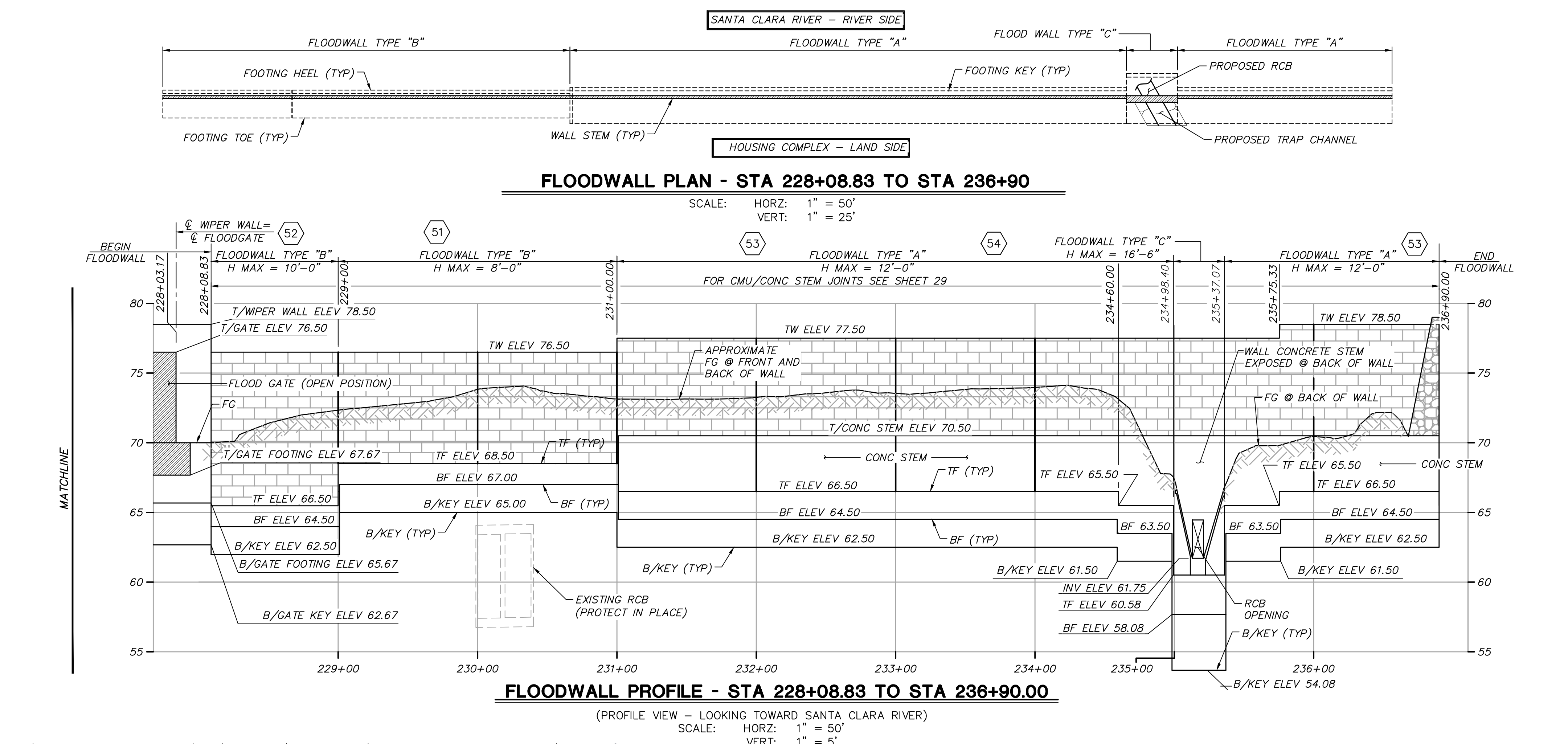


SHEET	24
OF	62
DRAWING NO.	WPD-2-388

H:\pdata\136628\CADD\Struc\DLV\SCR3-PH2\012-SP-6628-5024.dwg, Plotter: Aug 01, 2024 - 4:04pm



- ABBREVIATIONS LEGEND:**
- T/CONC = TOP OF CONCRETE
 - T/WIPER = TOP OF WIPER WALL
 - TW = TOP OF WALL
 - TF = TOP OF FOOTING
 - BF = BOTTOM OF FOOTING
 - B/KEY = BOTTOM OF KEY
 - FG = FINISHED GRADE
 - ELEV = ELEVATION



DATE: 7/23/24

SAVE DATE: 7/11/24 106664 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVERLEVEE_SCR3_PH2_DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\013-FW-6628-5025 SHEET 25.DWG

D				
C				
B				
A				
△	REVISION	DESCRIPTION	APP.	DATE

Michael Baker International
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@INTL.COM

8/1/2024
 R.C.E. DATE

DESIGNED	CC, AL, CS	8/14/2024
DRAWN	CC, AL, CS	8/15/2024
CHECKED	CS	8/16/2024

DISTRICT PROJECT MANAGER
 DISTRICT DIRECTOR

**COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION DISTRICT**

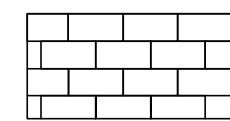
SPEC. NO.
 WP25-05
 PROJ. NO.
 82045

**SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
 FLOODWALL PLAN AND PROFILE STA 217+00 TO STA 236+90

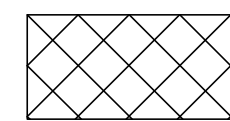
SHEET 25
 OF 62
 DRAWING NO.
 WPD-2-388



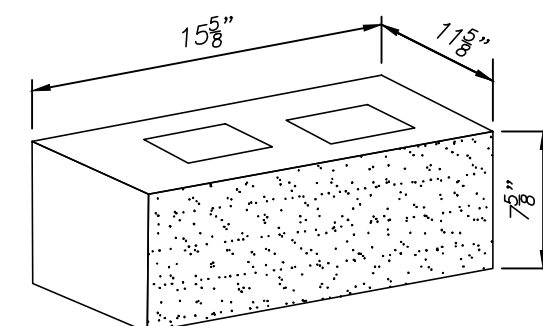
LEGEND:



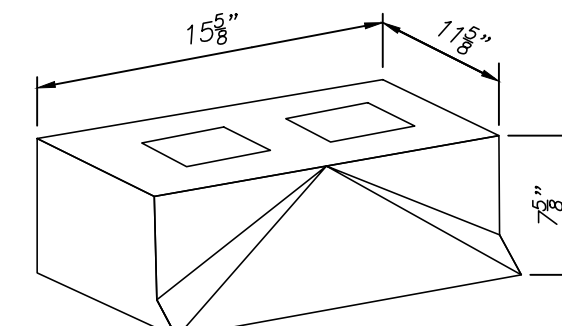
BLOCK "A"
SPLIT-FACE BLOCK
COLOR: SANDSTONE
TEXTURE: SPLIT-FACE ON N. VENTURA ROAD



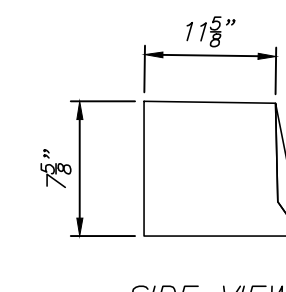
BLOCK "B"
SHADOW BLOCK
COLOR: CHAMPAGNE
TEXTURE: SHADOW FACE ON N. VENTURA ROAD



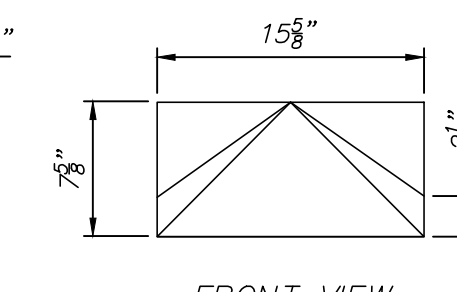
BLOCK "A"
SPLIT-FACE BLOCK
COLOR: SANDSTONE
TEXTURE: SPLIT-FACE ON N. VENTURA ROAD
16"x12"x8" NOMINAL SIZE



BLOCK "B"
SHADOW BLOCK
COLOR: CHAMPAGNE
TEXTURE: SHADOW FACE ON N. VENTURA ROAD



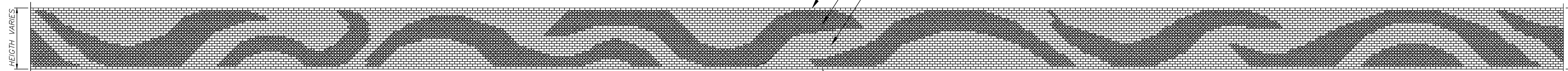
SIDE VIEW



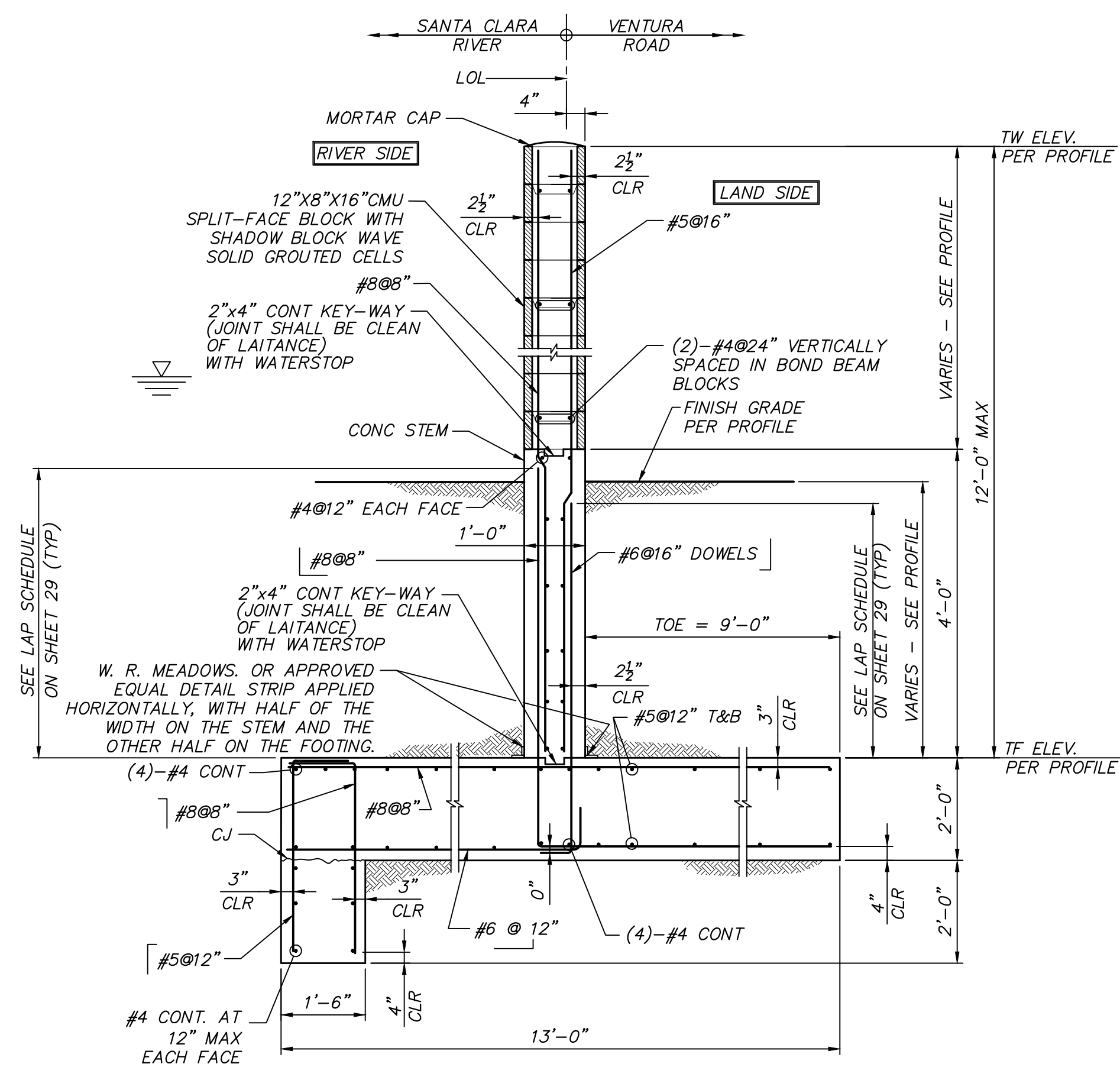
FRONT VIEW

MASONRY BLOCK DETAILS
NOT TO SCALE

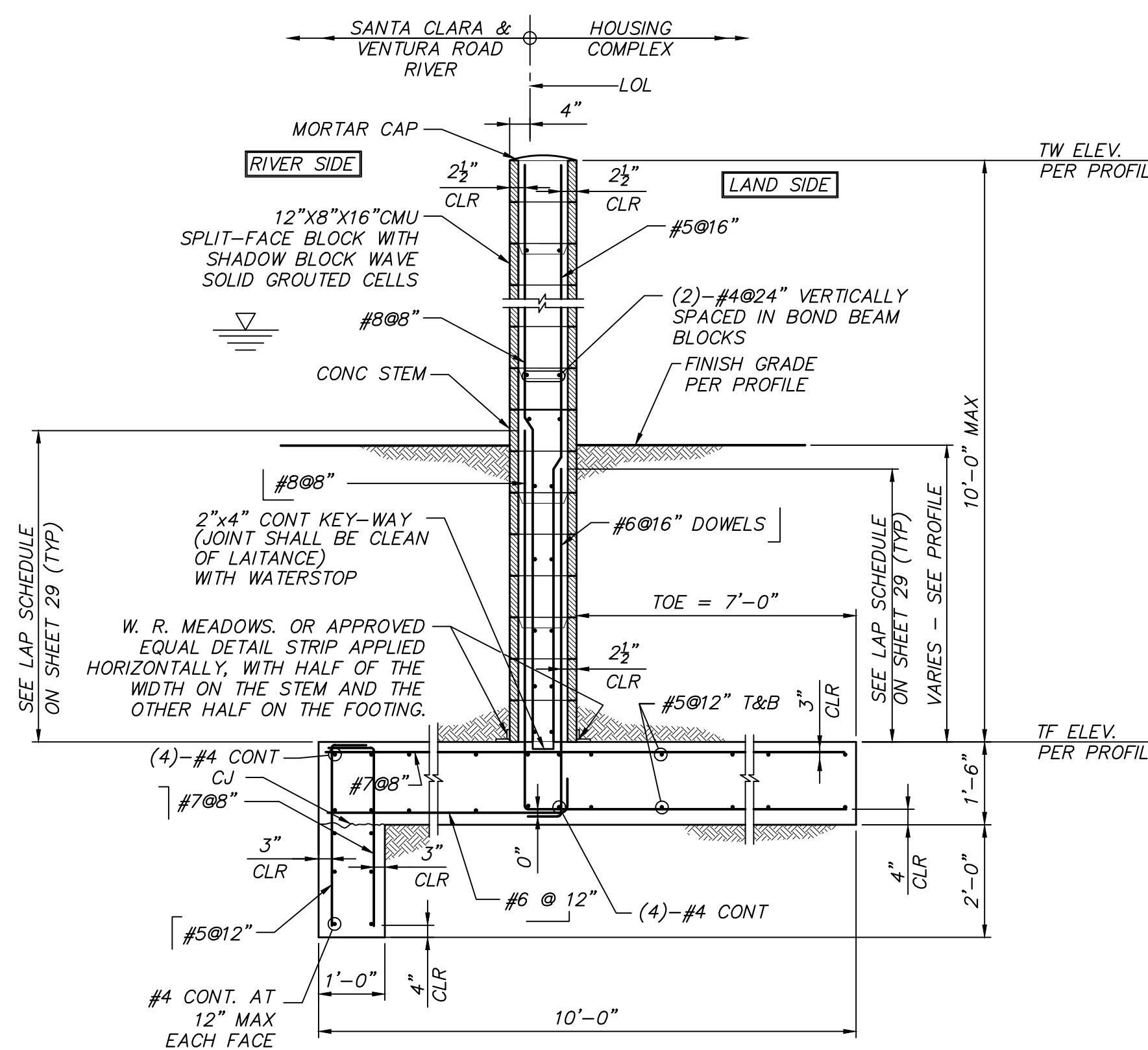
ONE BLOCK CLEARANCE FROM TOP OF WALL
SHADOW BLOCK "WAVE DESIGN"
SPLIT-FACE BLOCK



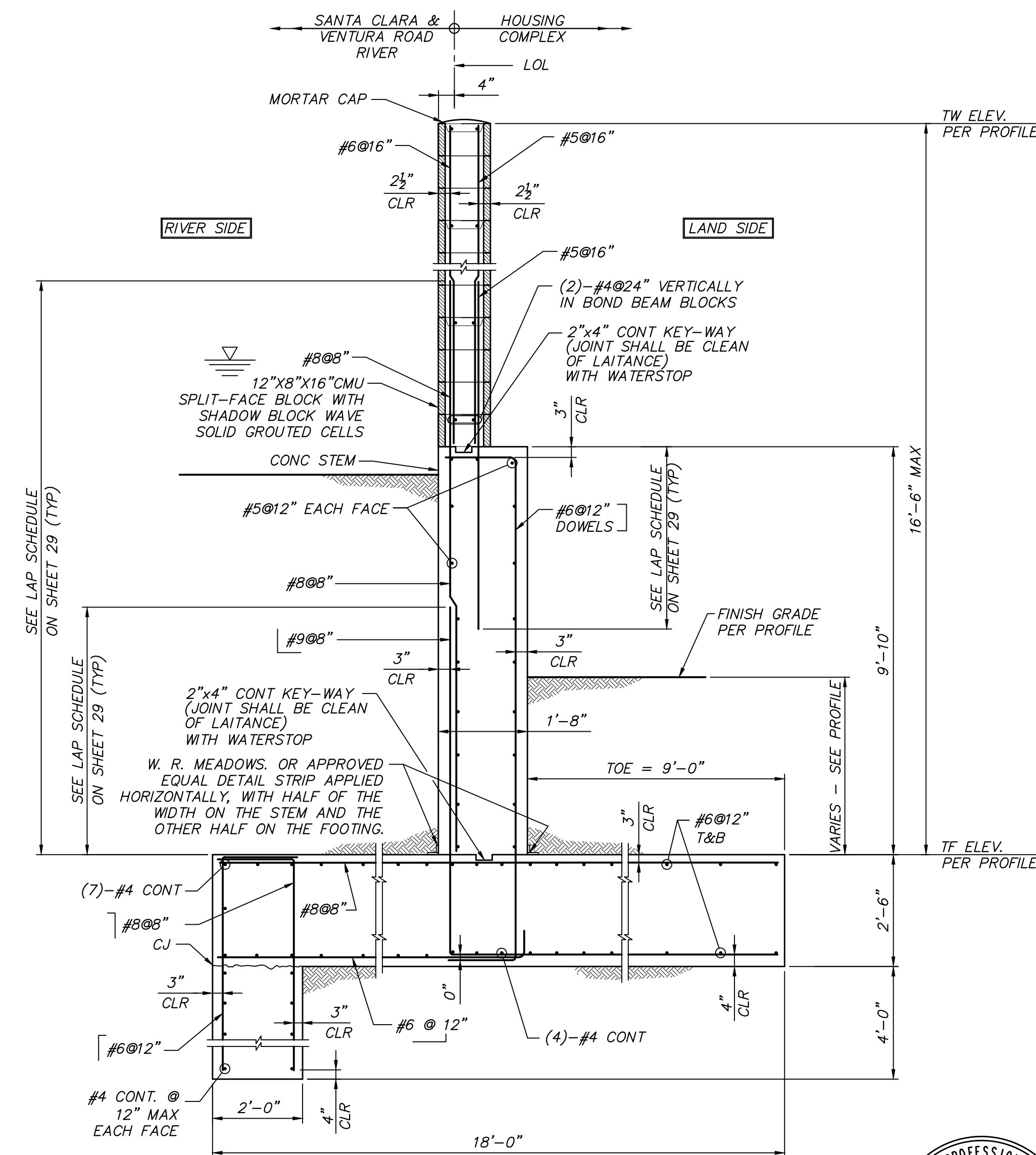
PROPOSED FLOODWALL WAVE PATTERN (TYP.)
NOT TO SCALE



FLOODWALL TYPE "A" - TYPICAL SECTION
NOT TO SCALE



FLOODWALL TYPE "B" - TYPICAL SECTION
NOT TO SCALE



FLOODWALL TYPE "C" - TYPICAL SECTION
NOT TO SCALE

DATE: 7/29/24

SAVE DATE: 7/30/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVERLEV_ELEV_SCR3_PH2_DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\014-FW-6628-S026 SHEET 26.DWG

REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

8/1/2024
R.C.E. DATE

DESIGNED	CC, AL, CS	8/14/2024
DRAWN	CC, AL, CS	8/15/2024
CHECKED	CS	8/16/2024

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT

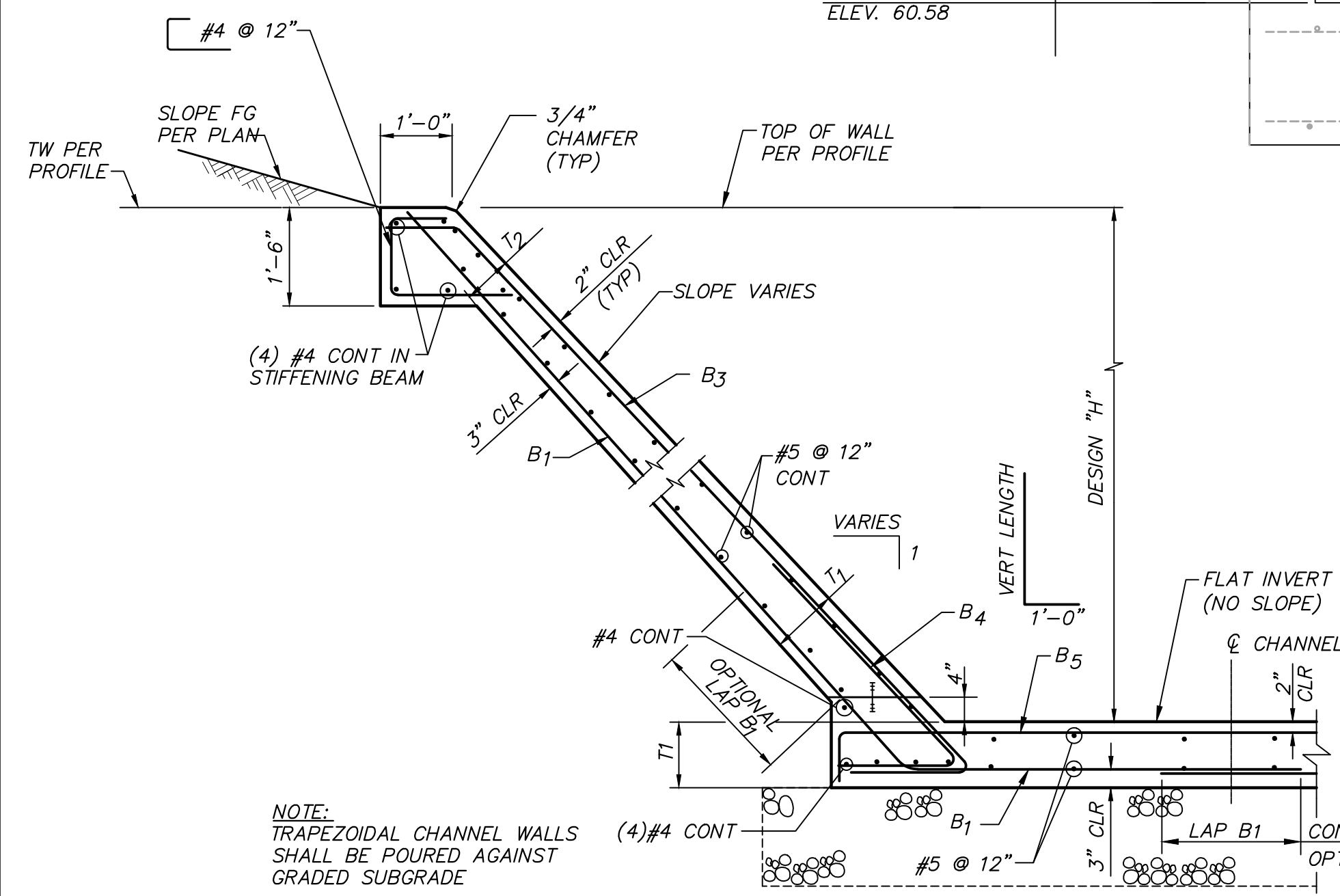
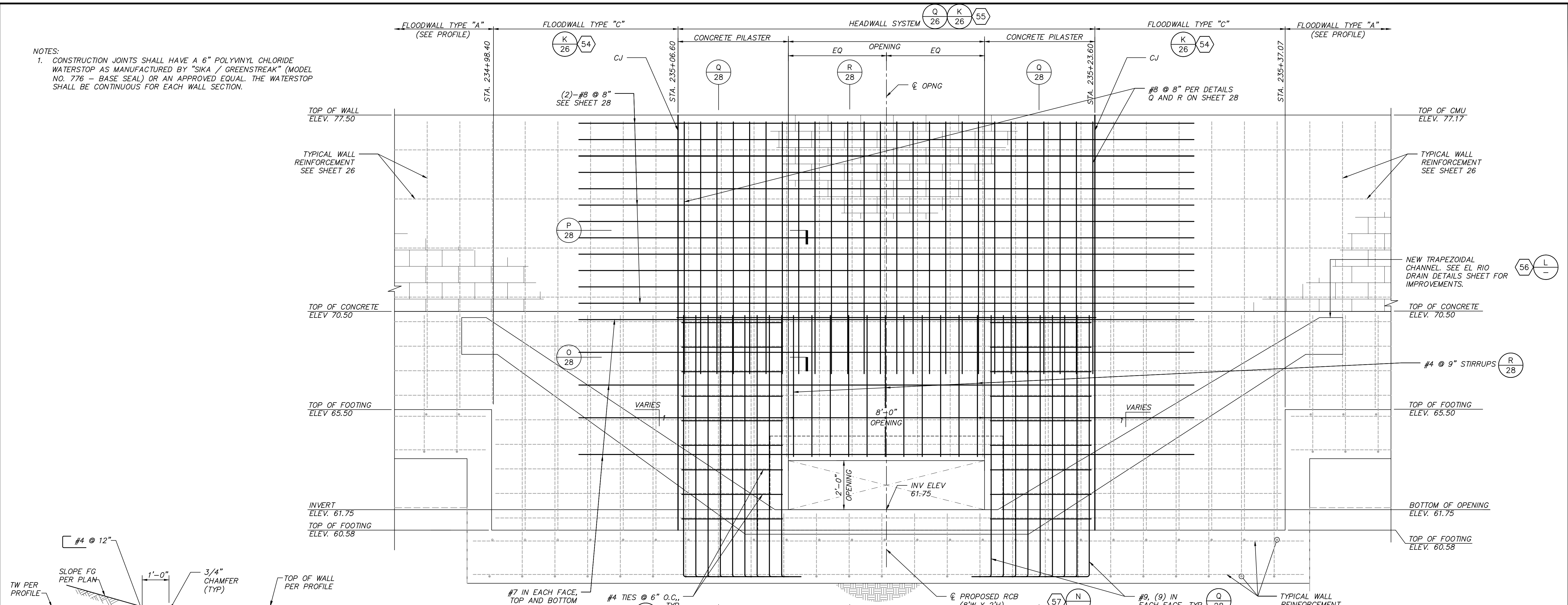
SPEC. NO.	WP25-05
PROJ. NO.	82045

SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
FLOODWALL TYPICAL SECTIONS



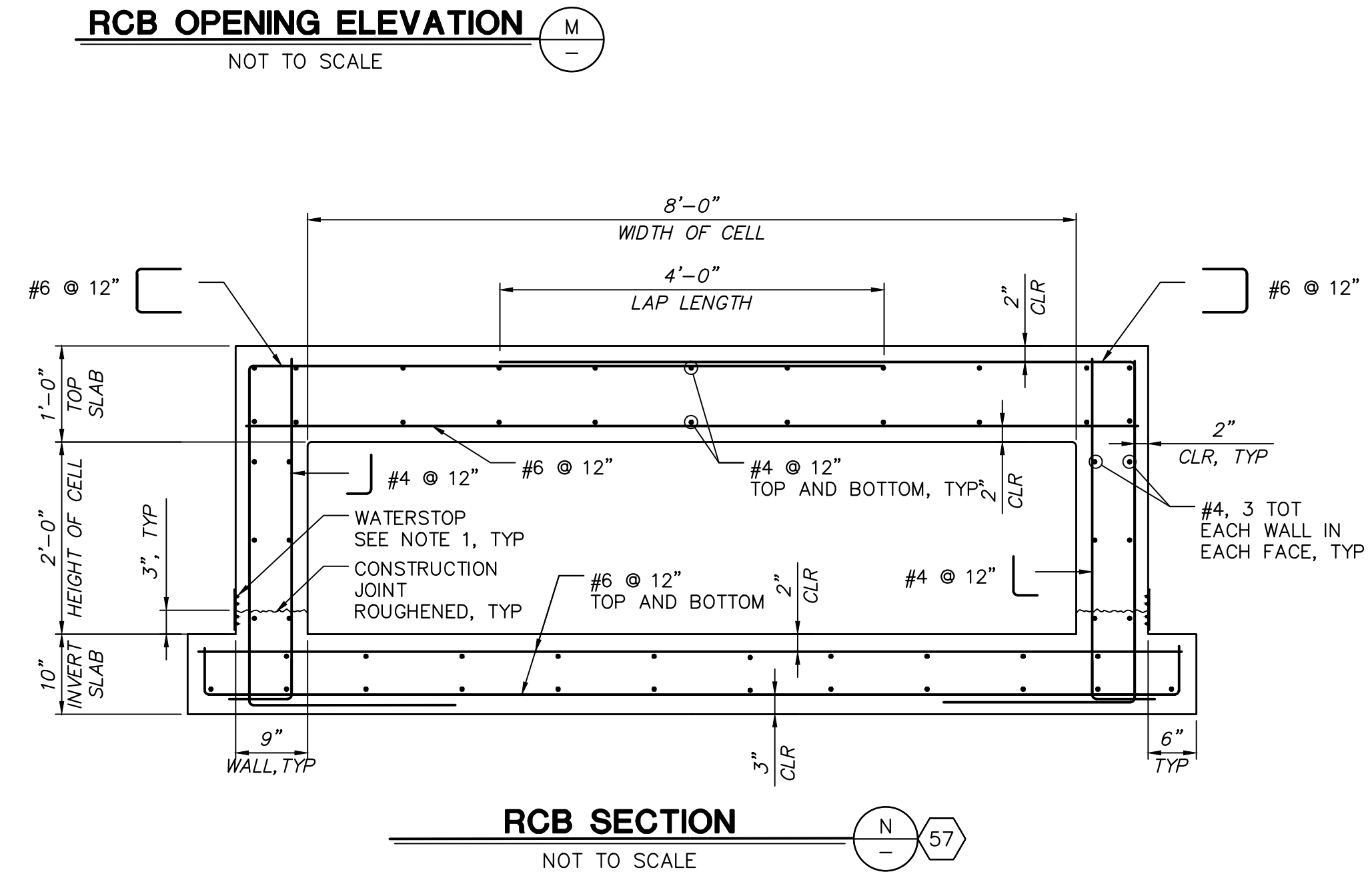
SHEET	26
OF	62
DRAWING NO.	WPD-2-388

NOTES:
 1. CONSTRUCTION JOINTS SHALL HAVE A 6" POLYVINYL CHLORIDE WATERSTOP AS MANUFACTURED BY "SIKA / GREENSTREAK" (MODEL NO. 776 - BASE SEAL) OR AN APPROVED EQUAL. THE WATERSTOP SHALL BE CONTINUOUS FOR EACH WALL SECTION.



TRAPEZOIDAL CHANNEL REINFORCING SCHEDULE										
SECTION DATA		B1			B3			B5		
ELEMENT	MAX DESIGN HEIGHT	T1	T2	BAR NO. & SPACING	VERT. LENGTH	HORIZ. LENGTH	BAR NO. & SPACING	VERT. LENGTH	BAR NO. & SPACING	HORIZ. LENGTH
±1.7:1 SLOPE TO ±1.5:1 SLOPE	11'-4"	1'-6"	1'-0"	#6 @ 12"	CONT	6'-1"	#6 @ 12"	CONT	#6 @ 12"	14'-0"

TRAPEZOIDAL CHANNEL SECTION (L) 56
 NOT TO SCALE



RCB SECTION (N) 57
 NOT TO SCALE

SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVER\LEV_ELEV_SCR3_PH2\DESIGN\DRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\015-FW-6628\5027 SHEET 27.DWG

D				
C				
B				
A				
△	REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM

DESIGNED: CC, AL, CS DATE: 8/14/2024
 DISTRICT PROJECT MANAGER
 DRAWN: CC, AL, CS DATE: 8/15/2024
 CHECKED: CS DATE: 8/16/2024
 DISTRICT DIRECTOR

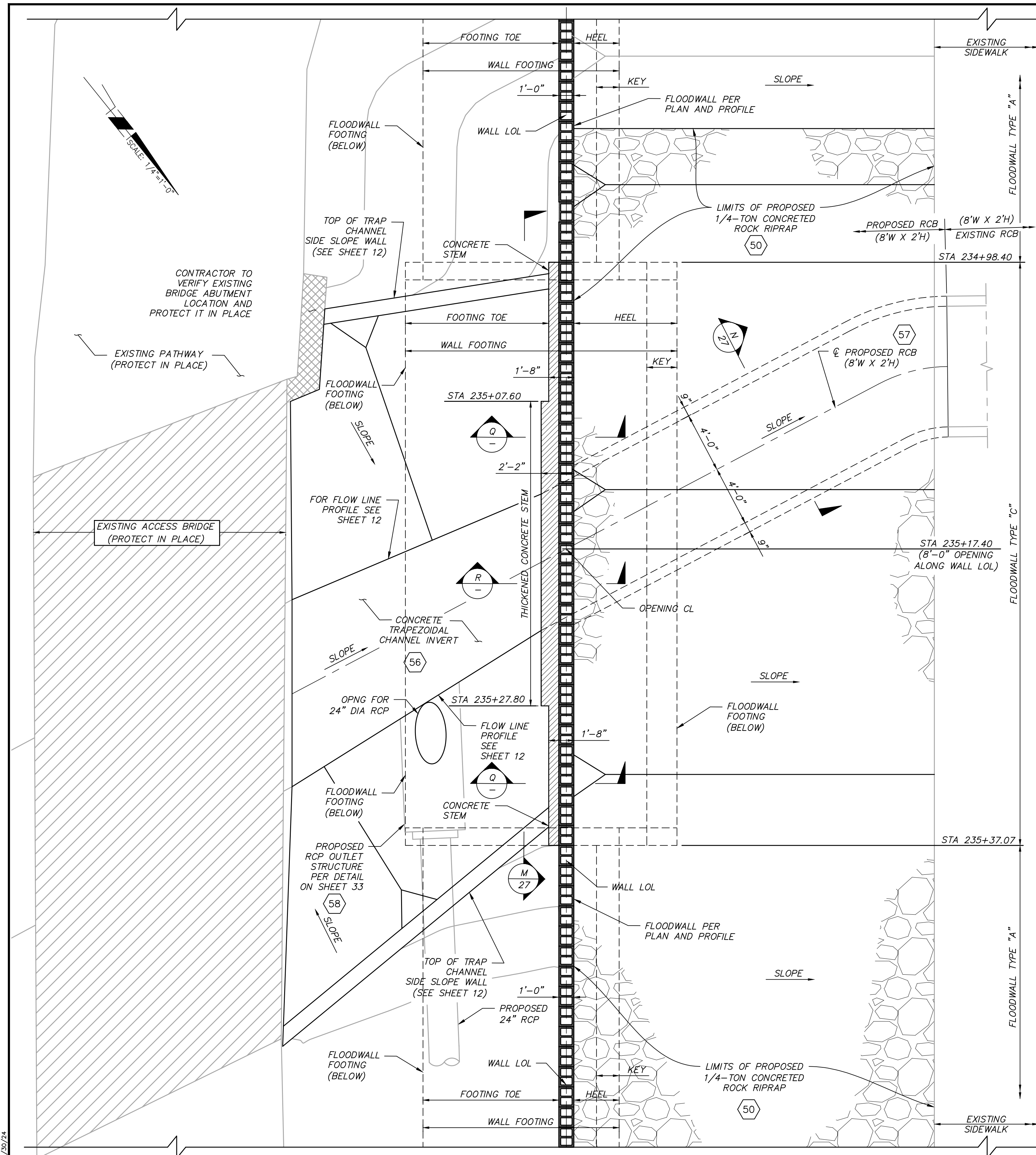
**COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION DISTRICT**

SPEC. NO. WP25-05
 PROJ. NO. 82045

**SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
 EL RIO DRAIN - CHANNEL, RCB, HEADWALL DETAILS

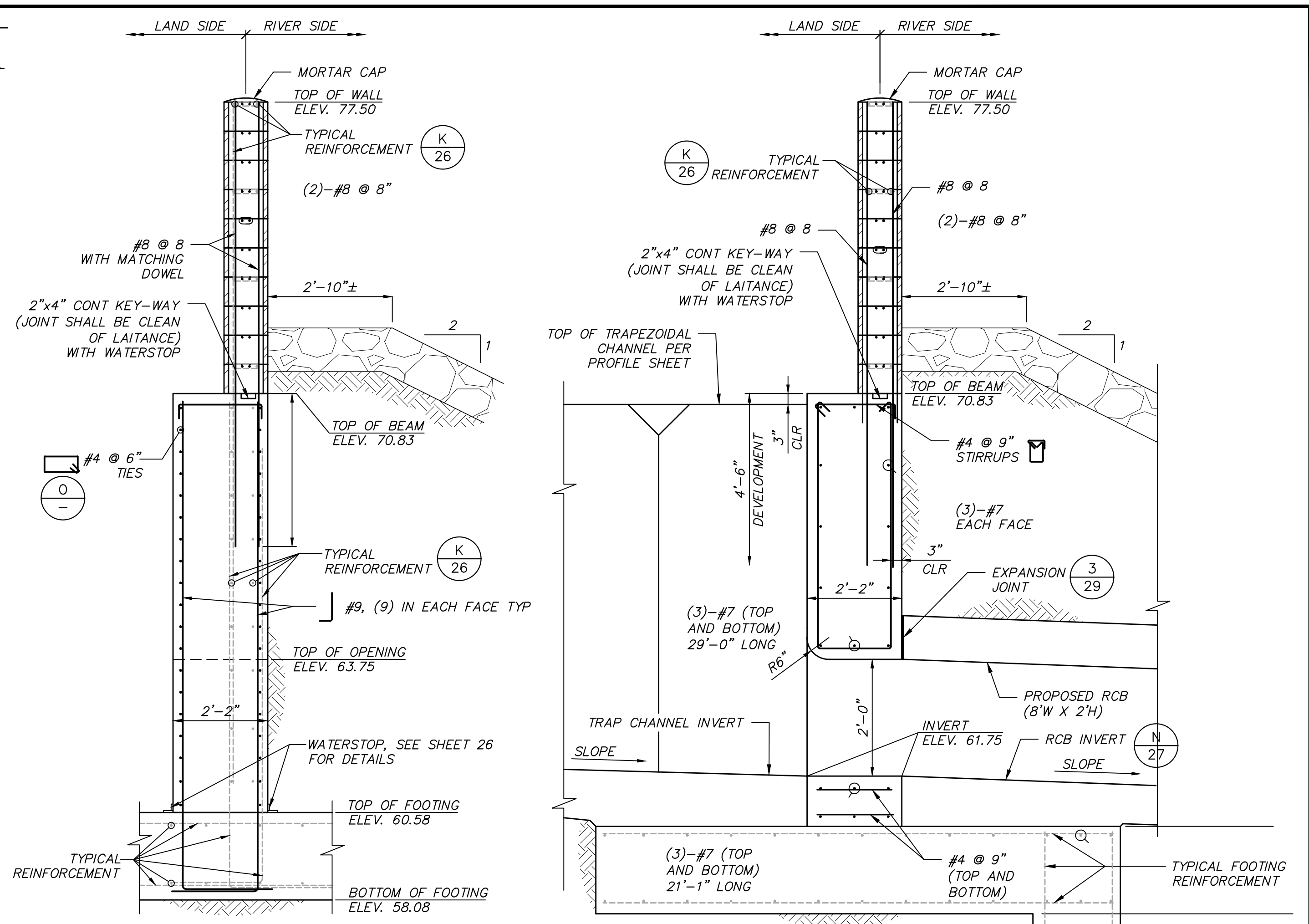
SHEET 27 OF 62
 DRAWING NO. WPD-2-388





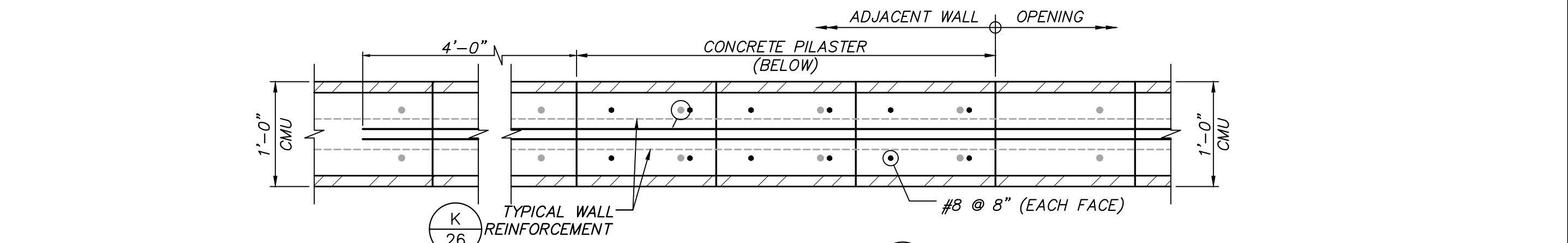
FLOOD WALL PLAN AT EL RIO DRAIN

SCALE: 1/4" = 1'-0"



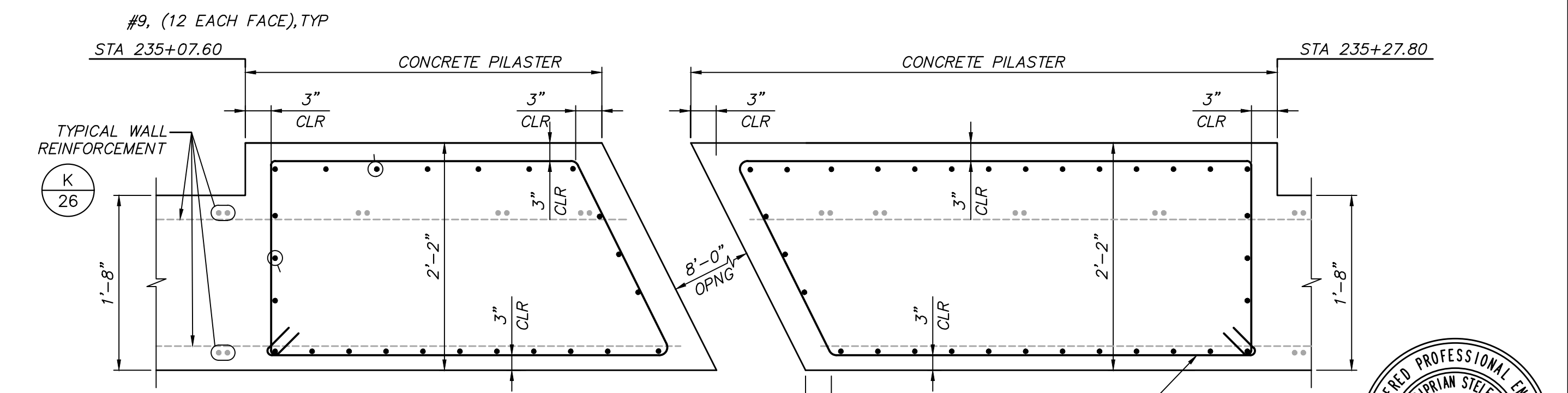
SECTION Q-55 NOT TO SCALE

SECTION R-55 NOT TO SCALE



SECTION K-26 NOT TO SCALE

SECTION P-55 NOT TO SCALE



SECTION O-55 NOT TO SCALE

SAVE DATE: 7/30/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVER\LEVEE_SCR3_PH2\DESIGN\DRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\016-FW-6628-5028 SHEET 28.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 MBAKERINTL.COM

8/1/2024
 R.C.E. DATE

CC, AL, CS
 DESIGNED DATE 8/14/2024

CC, AL, CS
 DRAWN DATE 8/15/2024

CS
 CHECKED DATE 8/16/2024

DISTRICT PROJECT MANAGER
 DISTRICT DIRECTOR

COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION DISTRICT

SPEC. NO. WP25-05
 PROJ. NO. 82045

SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 EL RIO DRAIN - CHANNEL, RCB AND HEADWALL



SHEET 28 OF 62
 DRAWING NO. WPD-2-388

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE PROJECT SPECIFIC SPECIAL PROVISIONS.
2. NO REVISION SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.

FOUNDATION:

1. FOUNDATION EXCAVATIONS SHALL BE VISUALLY OBSERVED BY THE SOIL ENGINEER FOR COMPLIANCE WITH THE REQUIREMENTS OF THE SOILS REPORT PRIOR TO PLACEMENT OF REINFORCING STEEL OR CONCRETE. A CERTIFICATION FOR COMPACTION OF BACKFILL FROM THE GEOTECHNICAL ENGINEER SHALL BE PROVIDED TO THE COUNTY INSPECTOR PRIOR TO FINAL SIGN OFF AND ACCEPTANCE OF FLOODWALL.
2. ALL FOOTINGS SHALL BE EMBEDDED 18" MINIMUM INTO COMPETENT UNDISTURBED NATURAL SOIL OR CERTIFIED COMPACTED FILL, UNLESS NOTED OTHERWISE IN SOILS REPORT.
3. SOILS BENEATH FOOTINGS SHALL BE PREMOISTENED AND COMPACTED TO MINIMUM GEOTECHNICAL REQUIREMENTS PRIOR TO PLACING CONCRETE.
4. BACKFILL SHALL NOT BE PLACED BEHIND THE WALL UNTIL THE GROUT HAS ATTAINED THE SPECIFIED 28 DAY COMPRESSIVE STRENGTH.

CONCRETE:

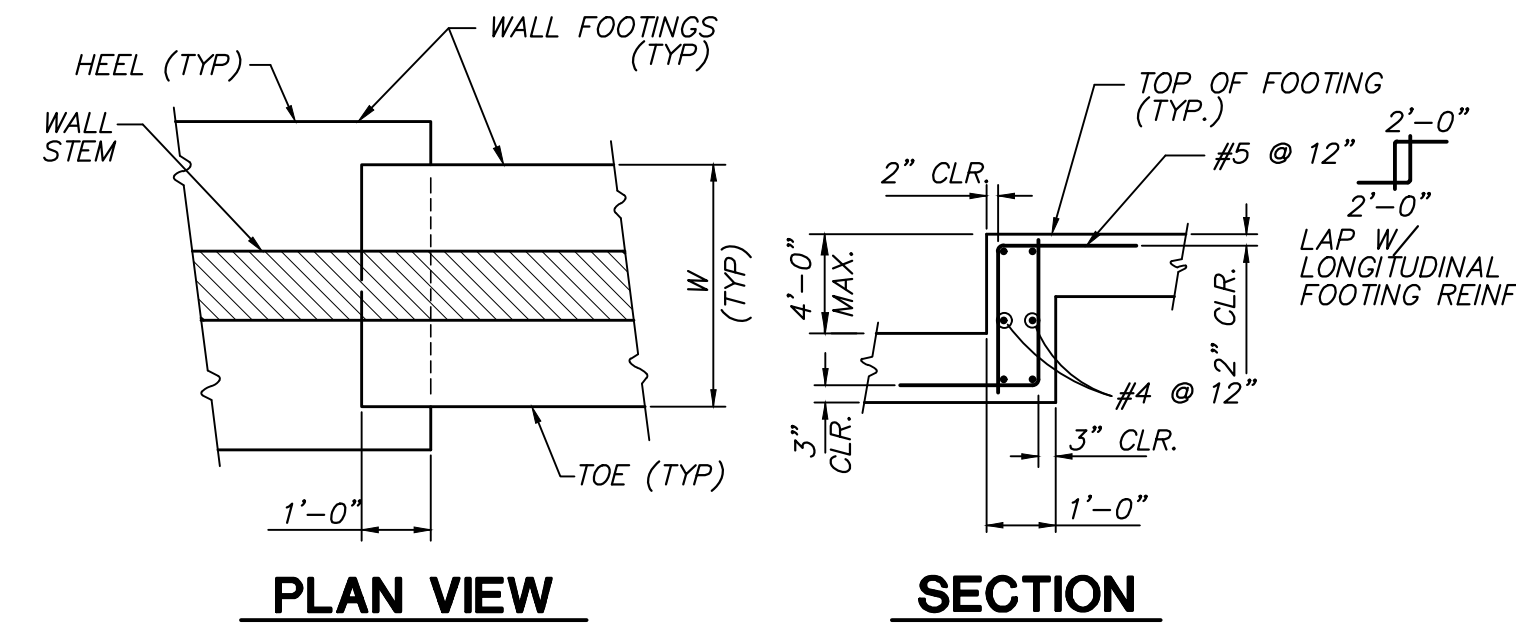
1. CONCRETE SHALL HAVE A MINIMUM 28-DAY ULTIMATE STRENGTH OF 4,000 PSI.
2. PORTLAND CEMENT SHALL CONFORM TO ASTM C150 AND SHALL BE TYPE II/V.
3. AGGREGATE SHALL CONFORM TO ASTM C-33 FOR NORMAL WEIGHT CONCRETE.
4. READY MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C-94.
5. ADMIXTURES SHALL NOT BE USED UNLESS APPROVED BY THE ENGINEER.
6. CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST ACI CODE (ACI 318) AND DETAILING MANUAL (ACI 315) UNLESS OTHERWISE DETAILED OR NOTED ON DRAWINGS.
7. EXPOSED EDGES OF CONCRETE MEMBERS SHALL BE CHAMFERED 3/4" X 3/4".

REINFORCING STEEL:

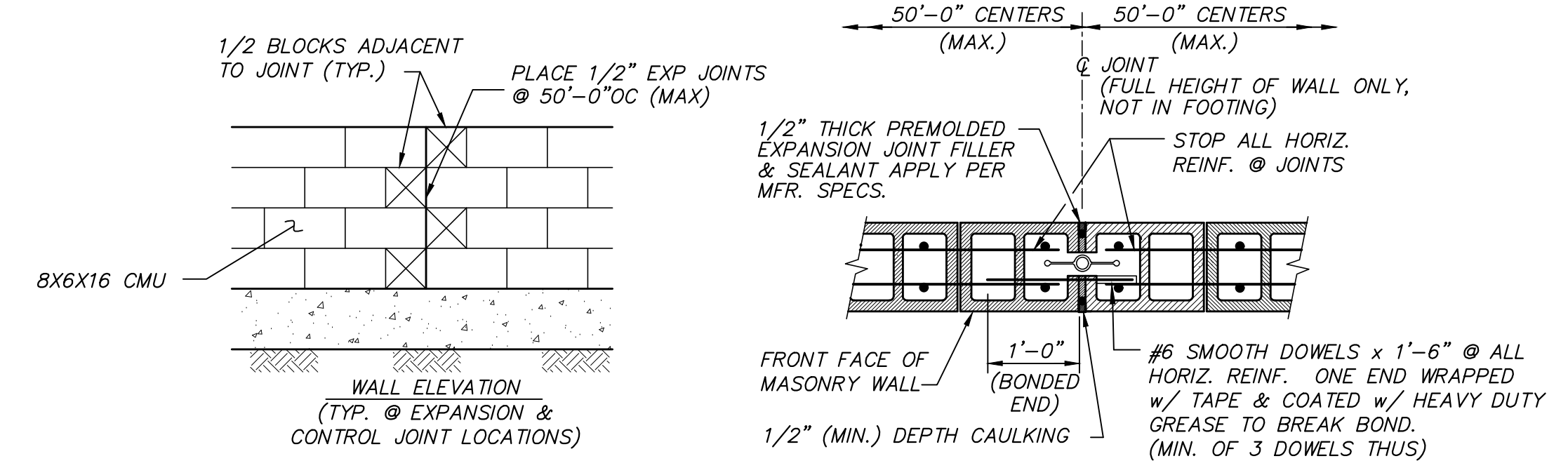
1. REINFORCING STEEL SHALL BE DEFORMED BARS, CONFORMING TO ASTM A615, LATEST REVISION AND SHALL BE GRADE 60.
3. REINFORCING IS TO BE SECURELY TIED IN PLACE PRIOR TO CASTING CONCRETE OR PLACING GROUT.
4. SUPPORT REINFORCING OFF GRADE WITH DENSE CONCRETE BLOCKS. NO BRICK OR POROUS CONCRETE WILL BE PERMITTED TO SUPPORT REINFORCING.
5. VERTICAL REINFORCEMENT TO BE HELD IN PLACE AT TOP, BOTTOM AND INTERVALS NOT EXCEEDING 200 BAR DIAMETERS.
6. FOR STANDARD HOOKS, LAPS AND BENDS, SEE REINFORCEMENT DETAILS THIS SHEET.

MASONRY:

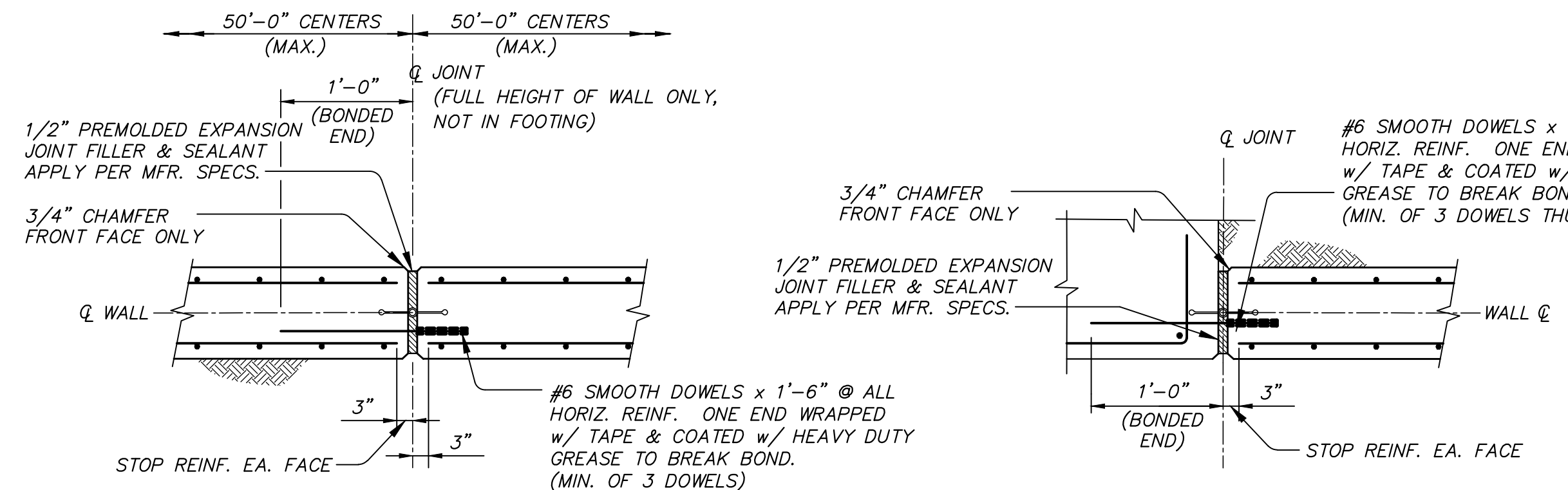
1. CONCRETE MASONRY UNITS (CMU) SHALL BE NORMAL WEIGHT UNITS CONFORMING TO ASTM C90, WITH A MINIMUM COMPRESSIVE STRENGTH f_m OF 1,500 PSI.
2. BLOCKS ARE 12"x8"x16" "SPLIT FACE BLOCK". COLOR SHALL BE SELECTED BY THE COUNTY. SPECIALLY SHAPED BLOCKS SHALL BE USED WHERE REQUIRED.
3. CONTRACTOR SHALL SUBMIT SAMPLE OF BLOCKS TO THE COUNTY FOR APPROVAL PRIOR TO START OF CONSTRUCTION.
4. MORTAR SHALL CONFORM TO ASTM C270 AND SHALL BE TYPE S FOR REGULAR STRENGTH MASONRY WITH A MINIMUM COMPRESSIVE STRENGTH OF 1,800PSI.
5. GROUT SHALL CONFORM TO ASTM C476 AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,000PSI FOR REGULAR STRENGTH MASONRY.
6. ADDITIVES AND ADMIXTURES TO MORTAR OR GROUT SHALL NOT BE USED UNLESS APPROVED BY THE ENGINEER. THE USE OF FLY ASH IS NOT PERMITTED AS AN ADDITIVE, ADMIXTURE OR CEMENT REPLACEMENT.
7. MASONRY SHALL BE LAID IN RUNNING BONDS AND SHALL BE FULLY GROUTED IN 4' MAXIMUM LIFTS.
8. MASONRY SHALL BE ERECTED TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS. DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CELLS CONTAINING REINFORCING STEEL.
9. PROVIDE CONTROL JOINTS AND EXPANSION JOINTS IN WALLS (NOT FOOTINGS) PER DETAILS SHOWN ON THIS SHEET.
10. SPECIAL INSPECTION FOR BLOCKS AND GROUT IS REQUIRED FOR MASONRY CONSTRUCTION.



TYPICAL FOOTING STEP DETAIL (1) NOT TO SCALE

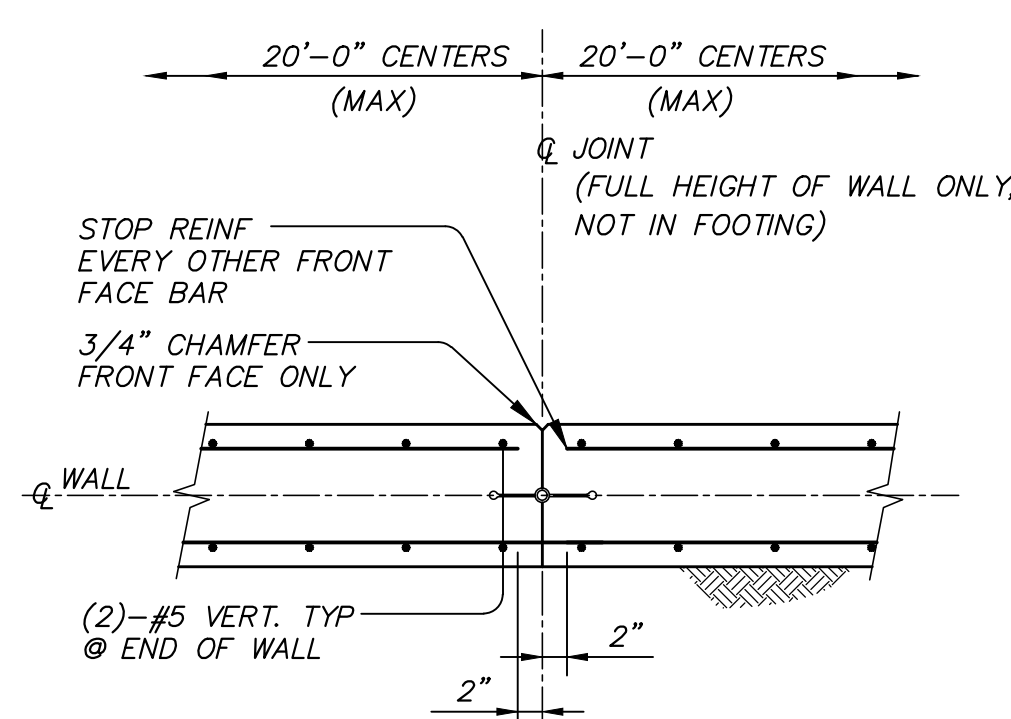


TYPICAL MASONRY WALL EXPANSION JOINT (2) NOT TO SCALE

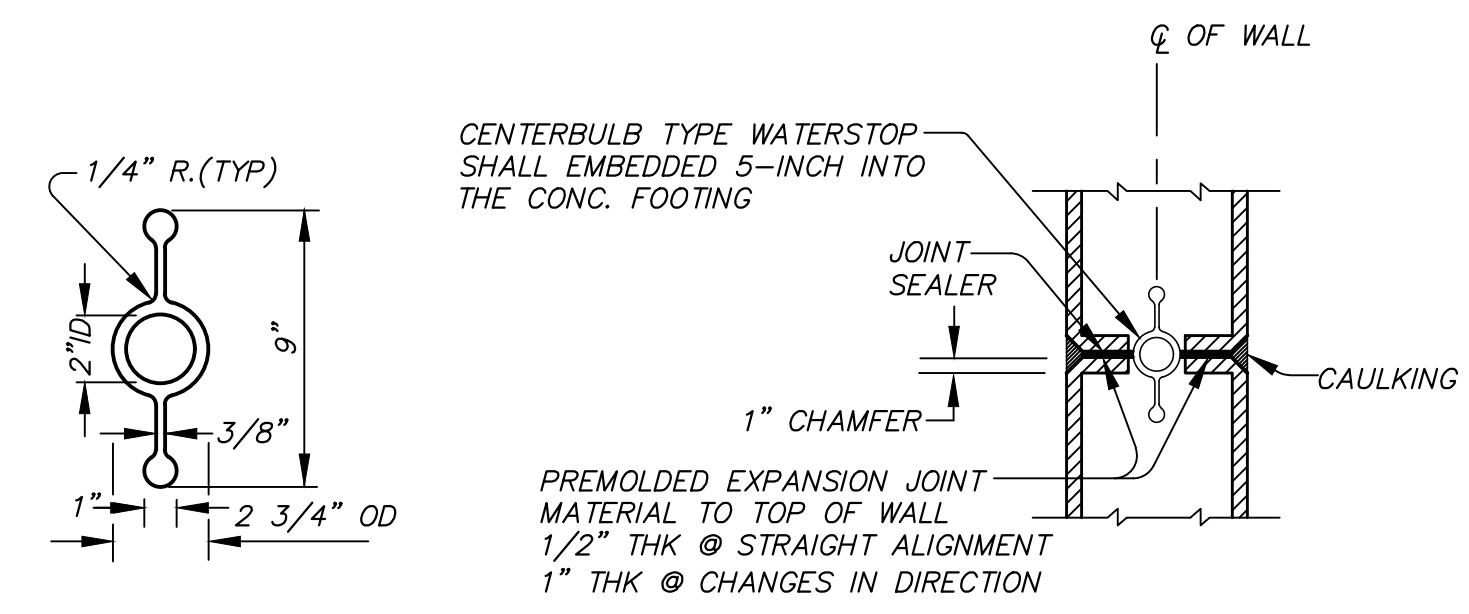


PLAN SECTION - WALL TO WALL (3) **ELEVATION SECTION - TOP SLAB TO WALL**

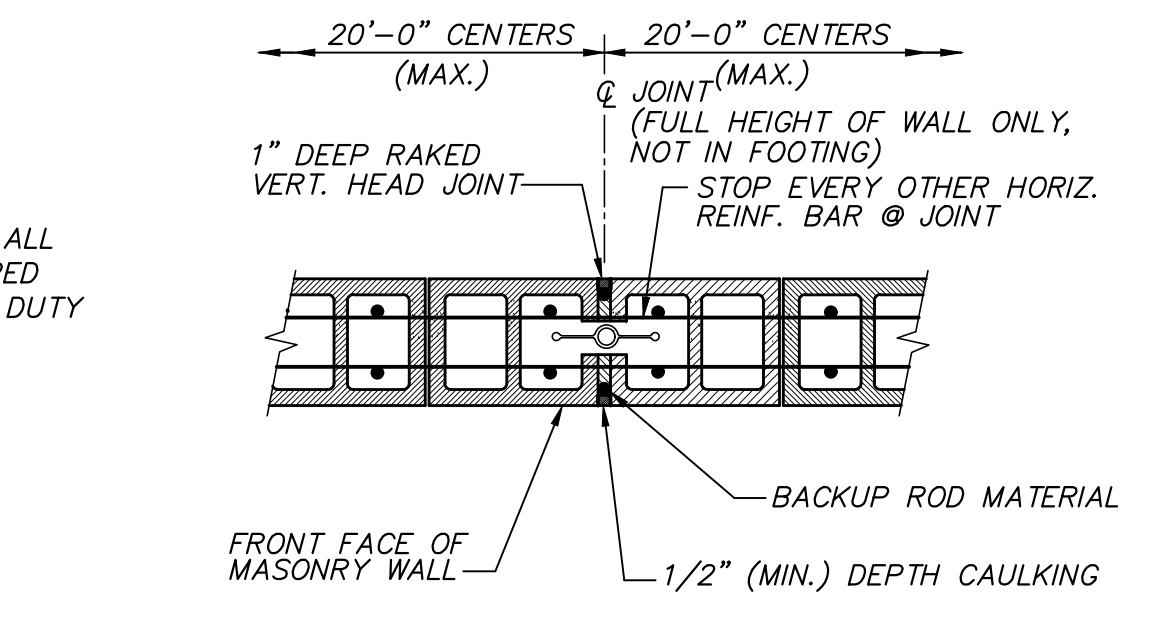
TYPICAL CONCRETE EXPANSION JOINTS (3) NOT TO SCALE



PLAN SECTION (5) **TYPICAL CONCRETE WALL CONTROL JOINT** NOT TO SCALE



EXPANSION JOINT WATERSTOP DETAIL (7) NOT TO SCALE



TYPICAL MASONRY WALL CONTROL JOINT (4) NOT TO SCALE

REINFORCEMENT DETAILS (6) NOT TO SCALE

STIRRUPS AND TIES

90° HOOK

180° HOOK

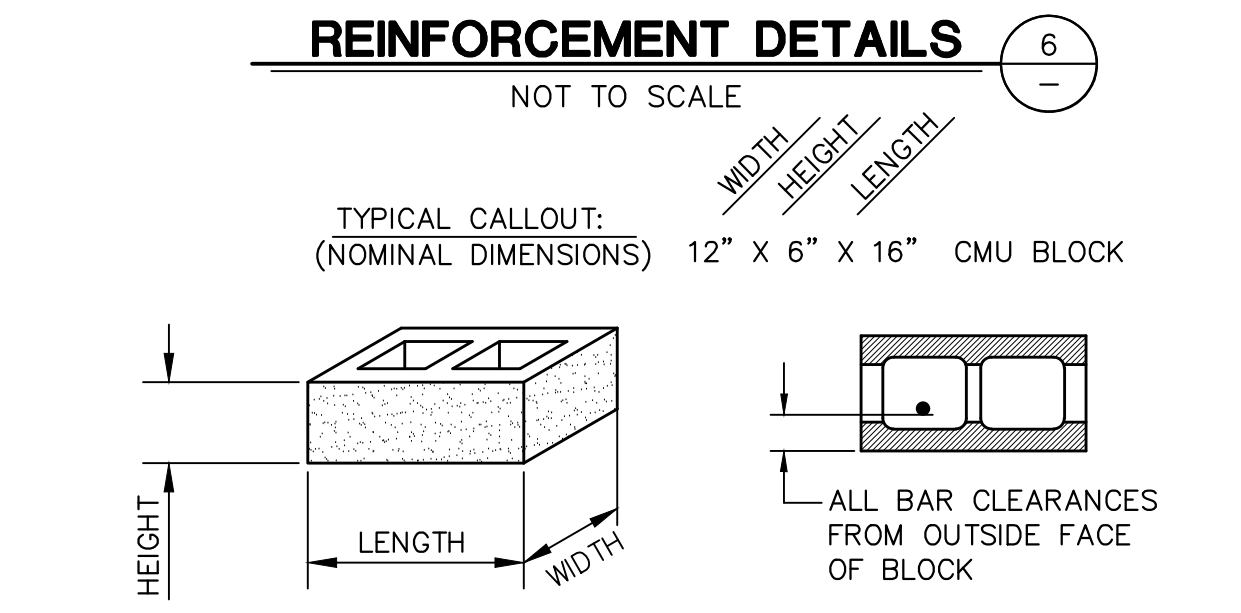
LAP PER SCHED. ABV. UNLESS DETAILED OTHERWISE

1" OR 1-1/2d OR 1-1/3 MAX AGGREGATE 6 MAX. SLOPE & OFFSET

LAP SCHEDULE			
$f'_c = 4,000 \text{ psi}$			
$f'_m = 1,500 \text{ psi}$			
$F_y = 60,000 \text{ psi}$			
BAR SIZE	TOP BARS	OTHER BARS	BARS IN MASONRY
#4	2'-3"	1'-8"	3'-2"
#5	2'-8"	2'-0"	4'-0"
#6	3'-3"	2'-6"	4'-10"
#7	5'-0"	3'-9"	5'-7"
#8	6'-6"	4'-11"	6'-5"
#9	7'-2"	5'-6"	6'-9"

BEND SCHEDULE	
BAR SIZES	D
#3 THRU #8	6d
#9 THRU #11	8d

d = DIAMETER OF REINF. BAR



REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL

5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

DESIGNED: CC, AL, CS 8/14/2024
DATE

DRAWN: CC, AL, CS 8/15/2024
DATE

CHECKED: CS 8/16/2024
DATE

8/1/2024
R.C.E. DATE

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT

DESIGNED: 8/14/2024
DATE

DRAWN: 8/15/2024
DATE

CHECKED: 8/16/2024
DATE

SPEC. NO. WP25-05
PROJ. NO. 82045

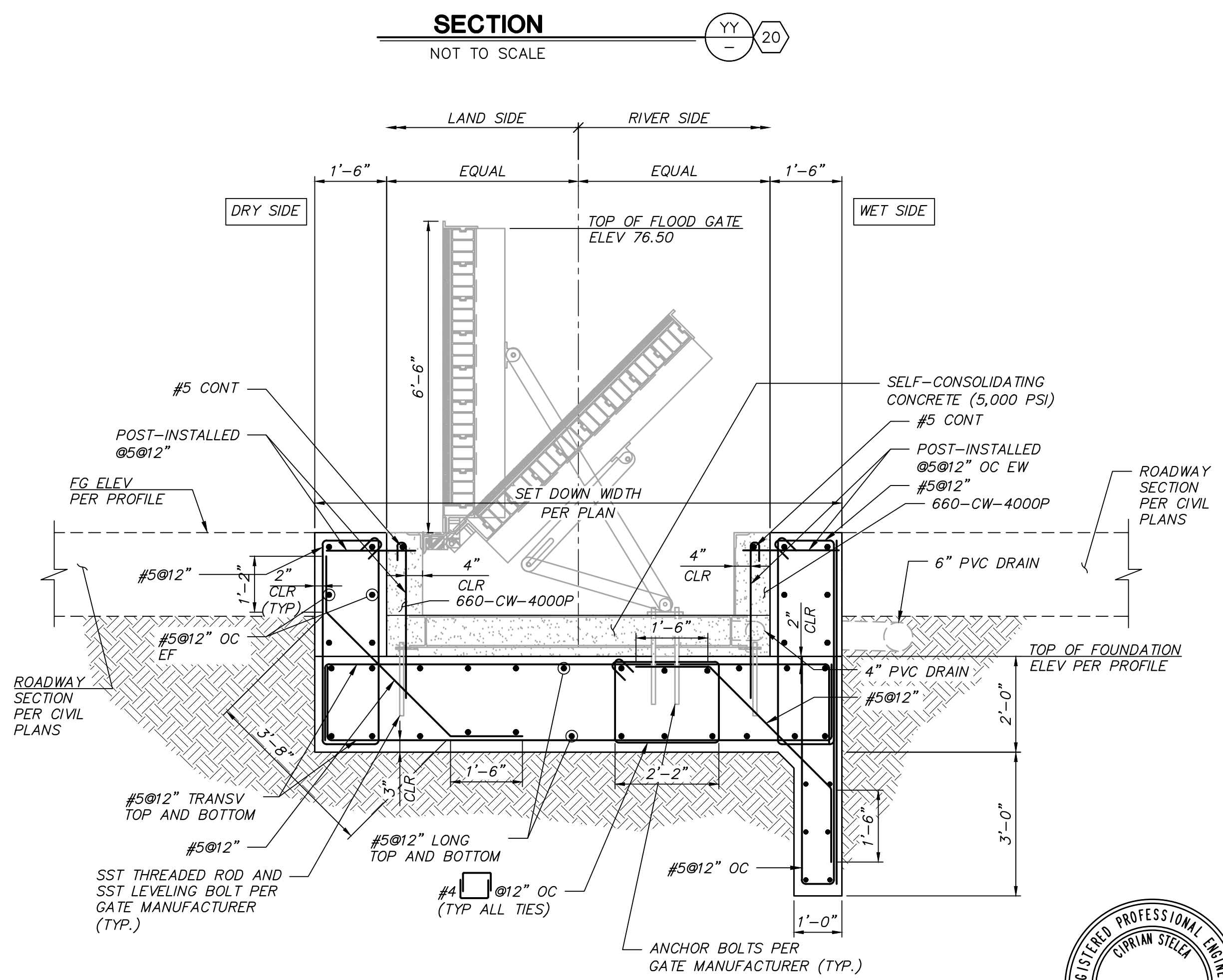
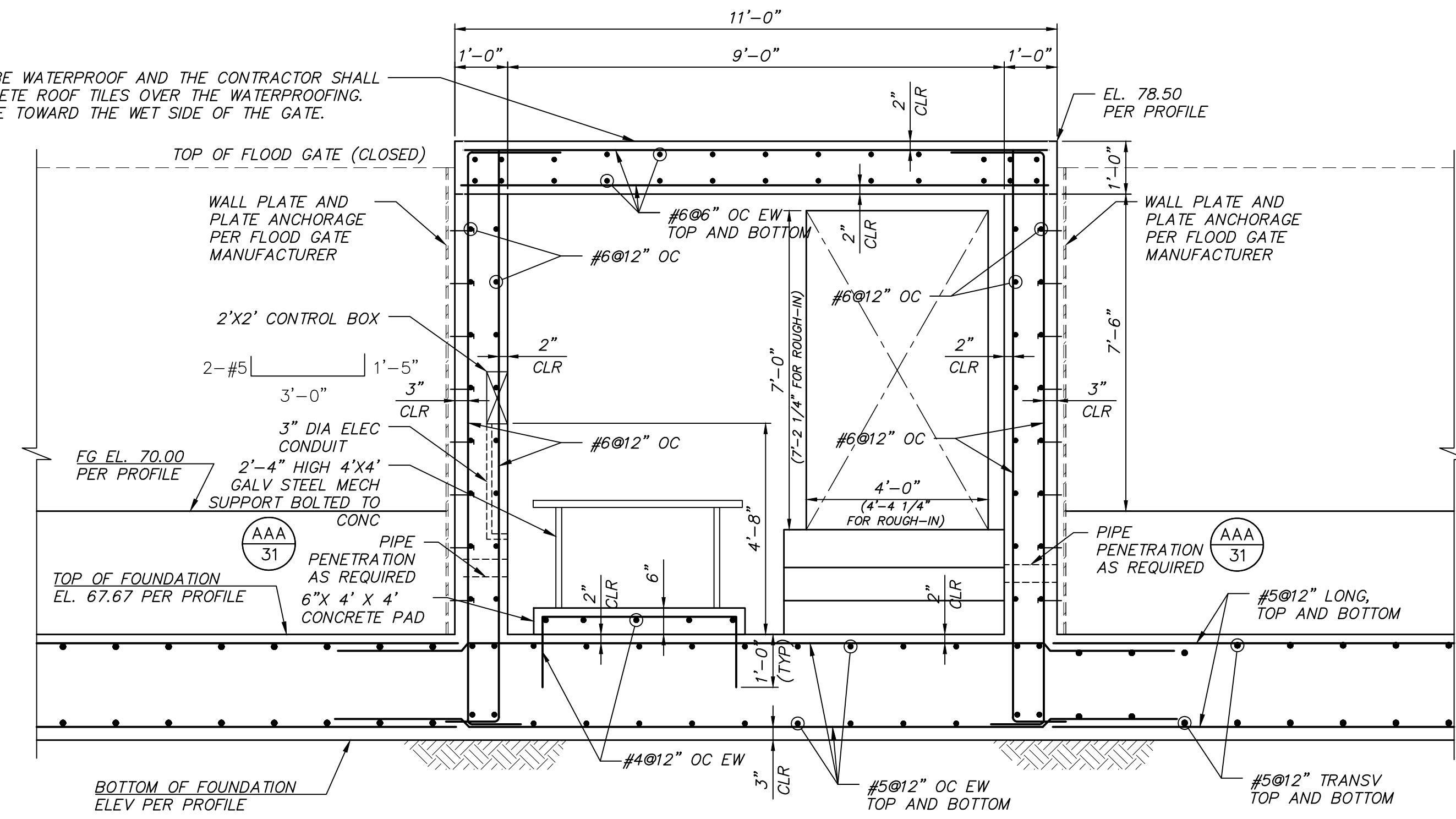
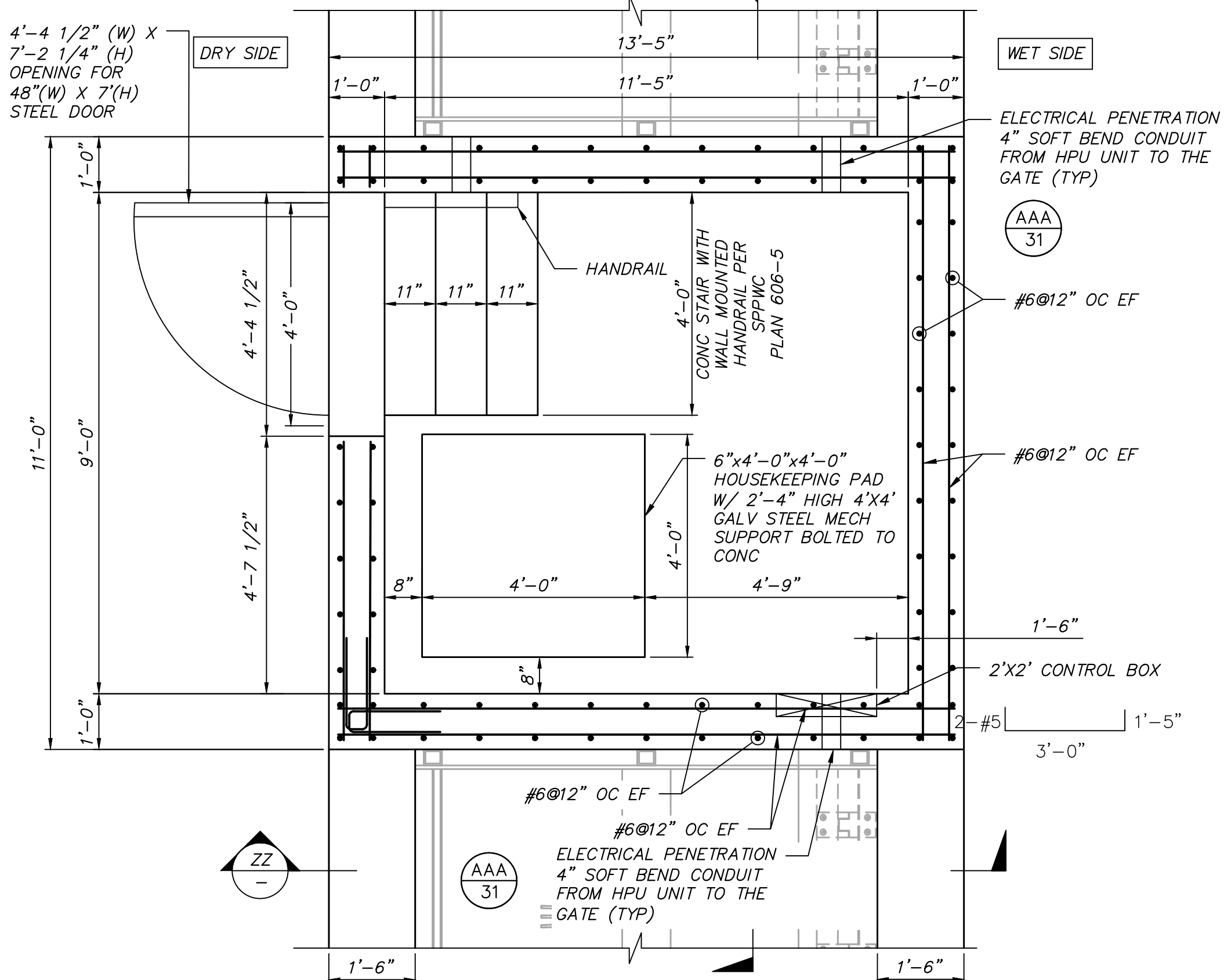
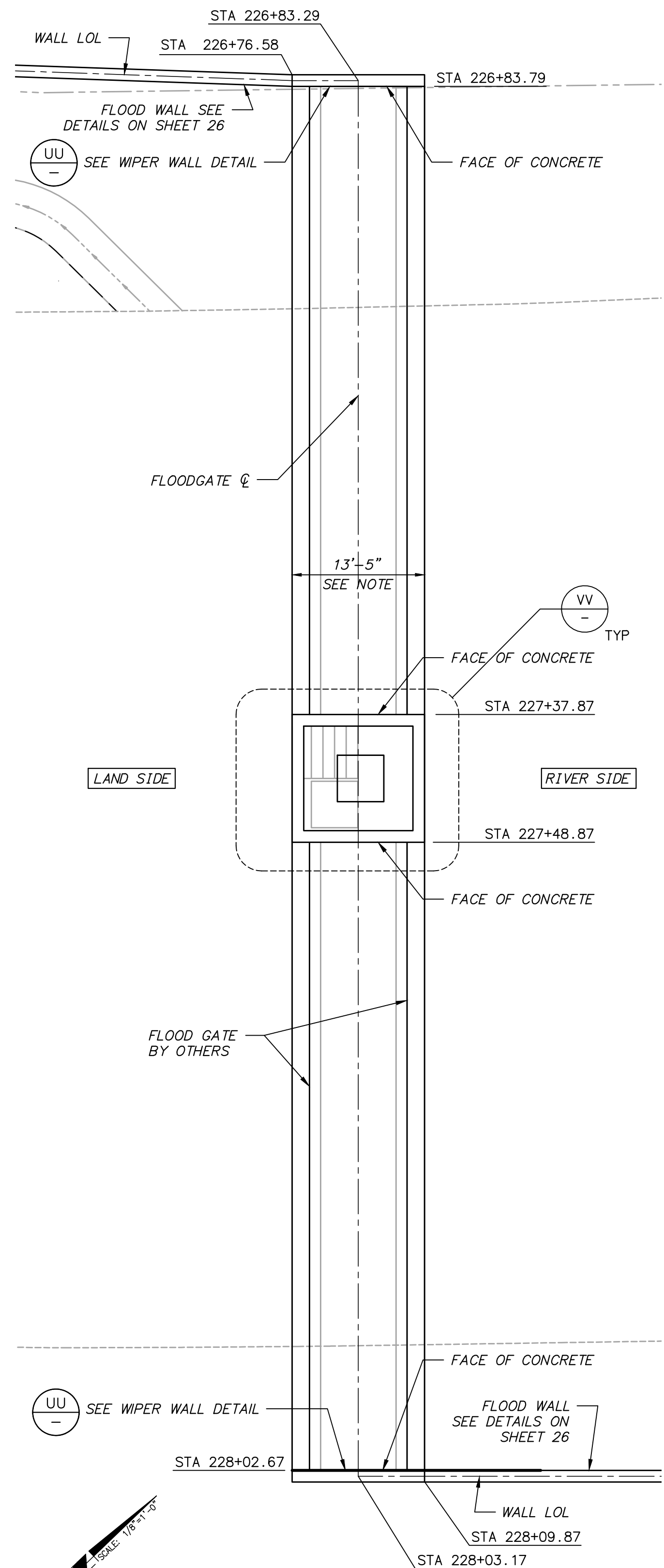
SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
TYPICAL STRUCTURAL DETAILS

SHEET 29 OF 62
DRAWING NO. WPD-2-388



DATE: 8/1/24

H:\pdr\136628\CADD\Struct\DWG\SCR3-PH2\017-FW-6628-5029.dwg, Plotter: Aug 01, 2024 - 10:40am



FLOODGATE FOUNDATION PLAN
NOT TO SCALE

CONTROL ROOM PLAN
NOT TO SCALE

FLOOD GATE SECTION
NOT TO SCALE

NOTE:
CONTRACTOR TO VERIFY/COORDINATE THE FLOODGATE DIMENSIONS PRIOR TO ORDERING OR FABRICATING ANY MATERIALS WITH FLOODGATE MANUFACTURER.

REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

8/1/2024
R.C.E. DATE

DESIGNED	CC, AL, CS	8/14/2024
DRAWN	CC, AL, CS	8/15/2024
CHECKED	CS	8/16/2024

**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT**

SPEC. NO.
WP25-05
PROJ. NO.
82045

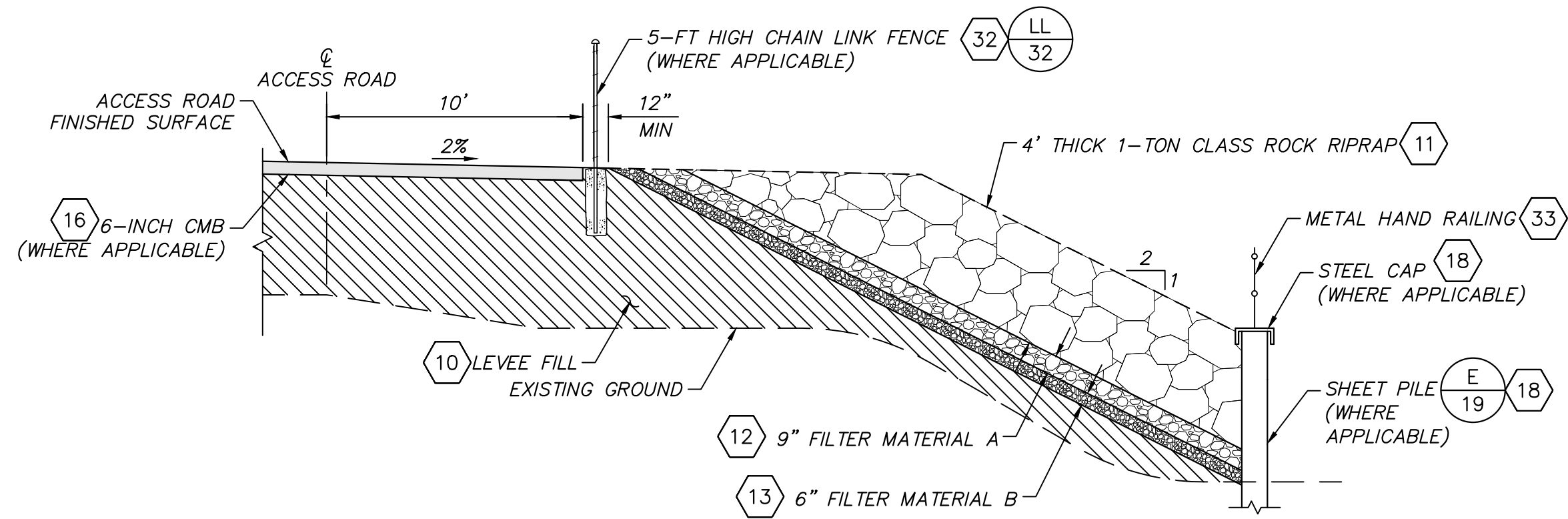
**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
FLOODGATE FOUNDATION PLAN, SECTIONS AND DETAILS**

SHEET **30**
OF **62**
DRAWING NO.
WPD-2-388

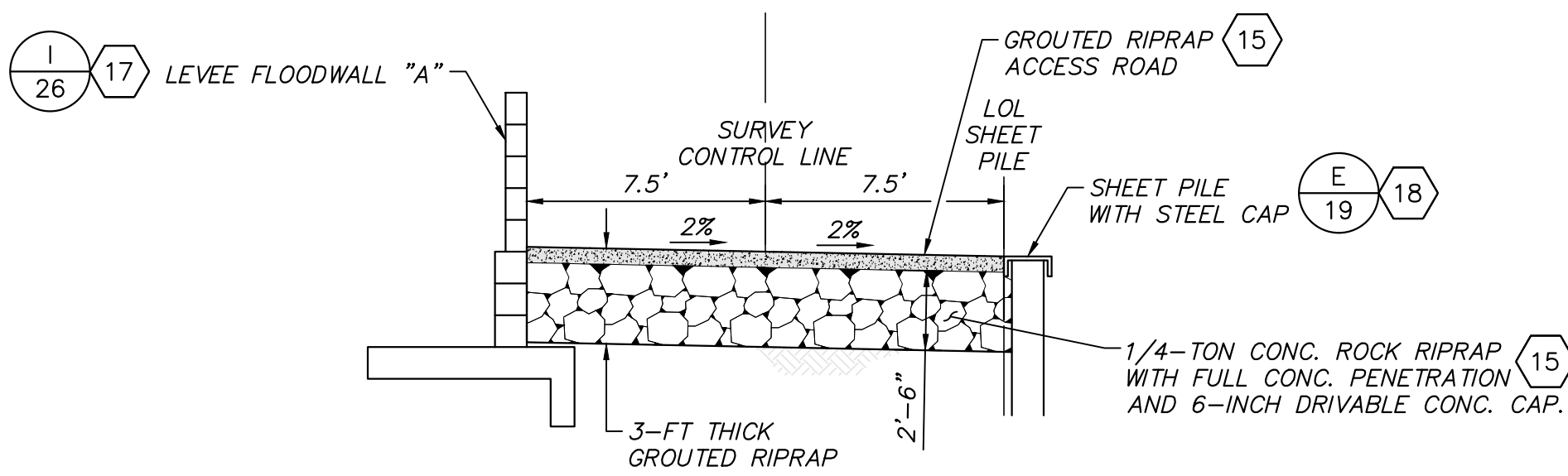


DATE: 8/1/24

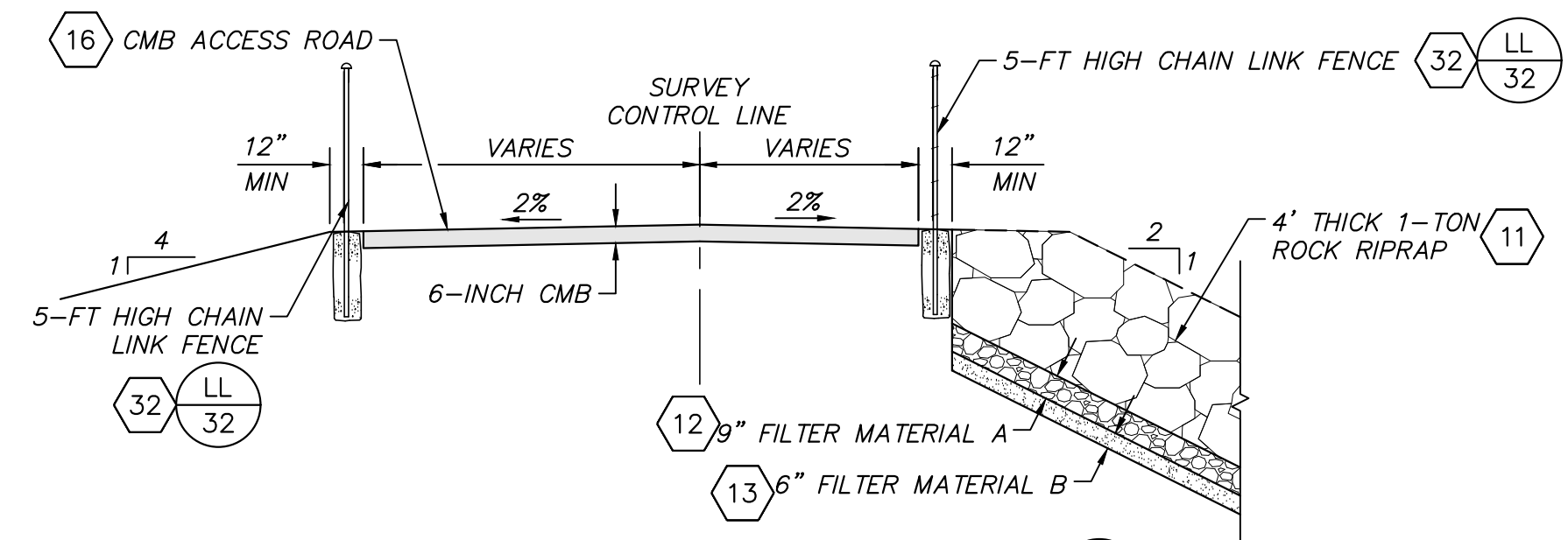
H:\pdr\136628\CADD\Struct\DWG\SCR3-PH2\018-FW-6628-5030.dwg, Plotter: Aug 01, 2024 - 10:39am



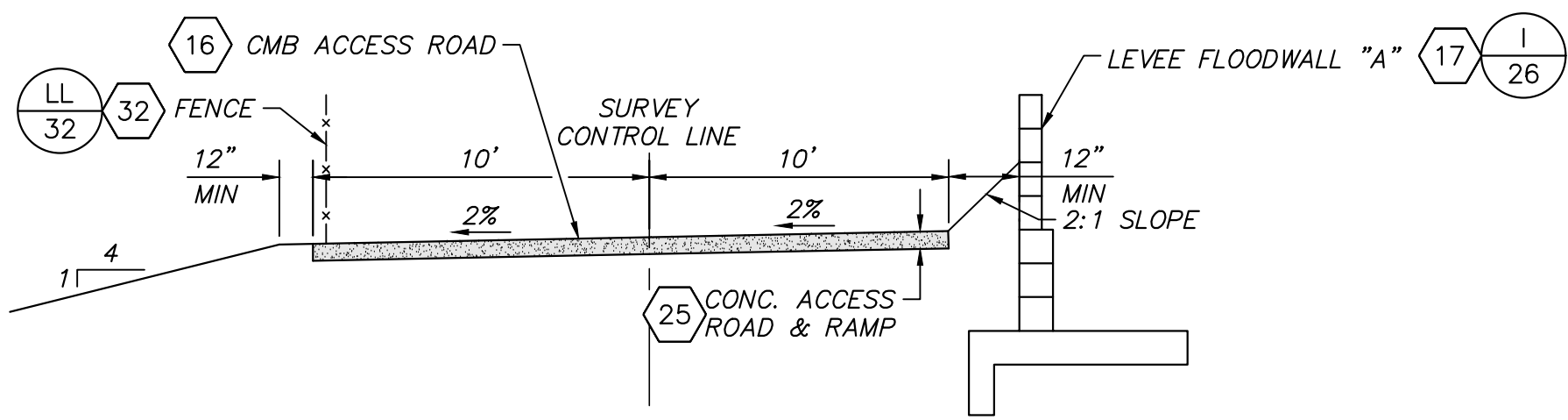
1-TON ROCK RIPRAP BANK PROTECTION DETAIL (CC) NOT TO SCALE



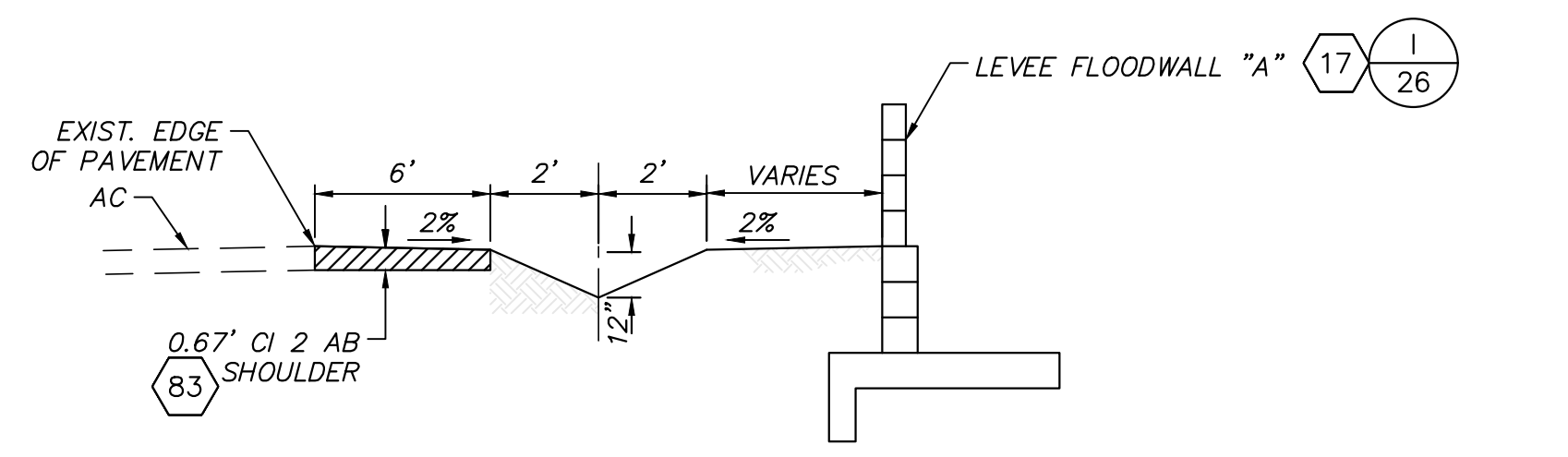
1/4-TON CONCRETED ROCK RIPRAP ACCESS ROAD DETAIL (DD) NOT TO SCALE



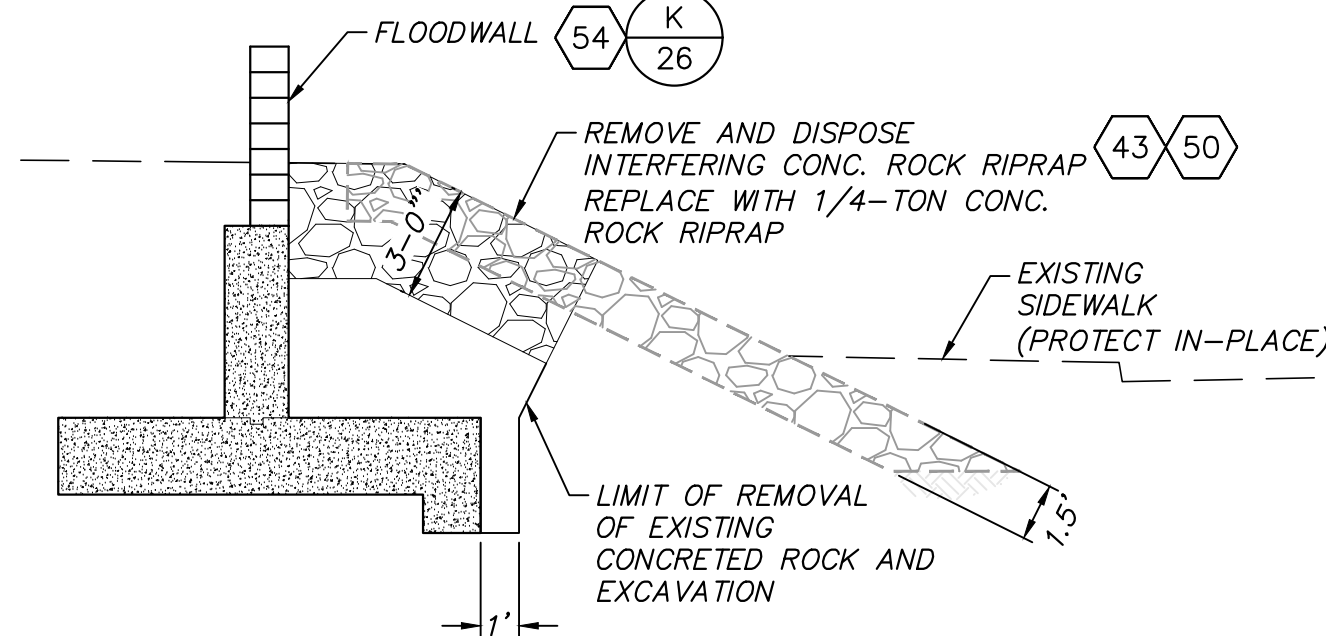
CMB ACCESS ROAD DETAIL (EE) NOT TO SCALE



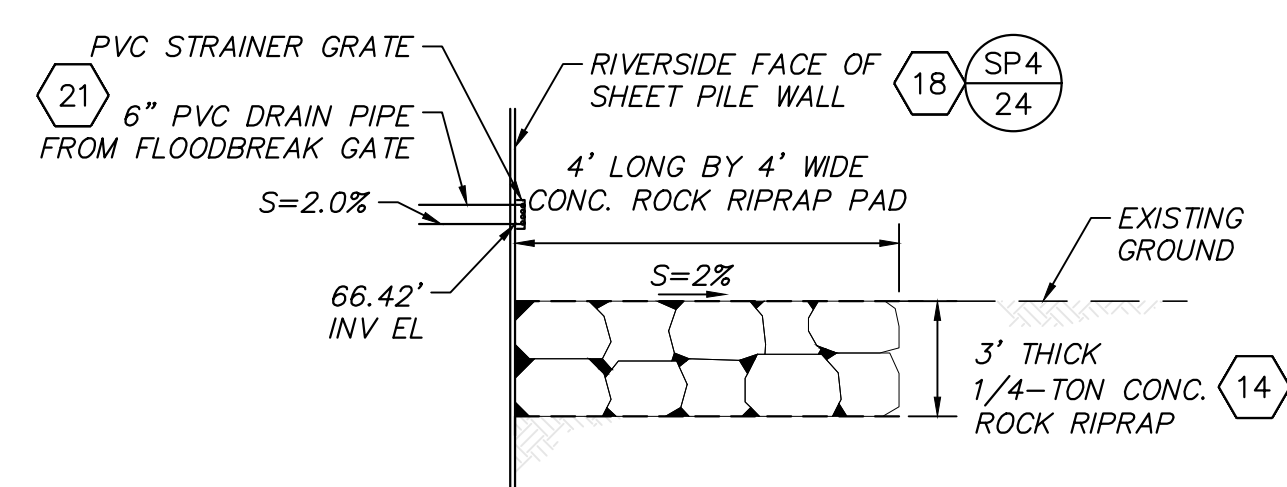
CMB ACCESS RAMP DETAIL (FF) NOT TO SCALE



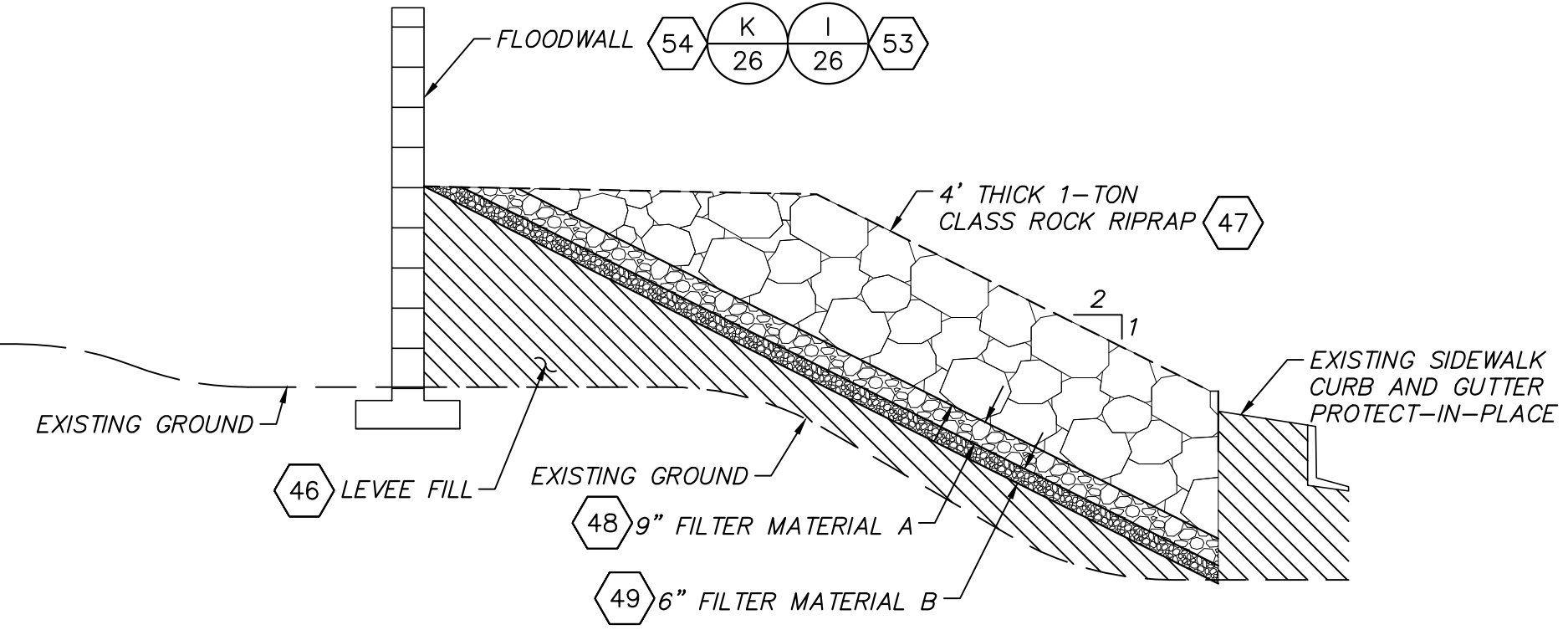
EARTH SWALE DETAIL (GG) NOT TO SCALE



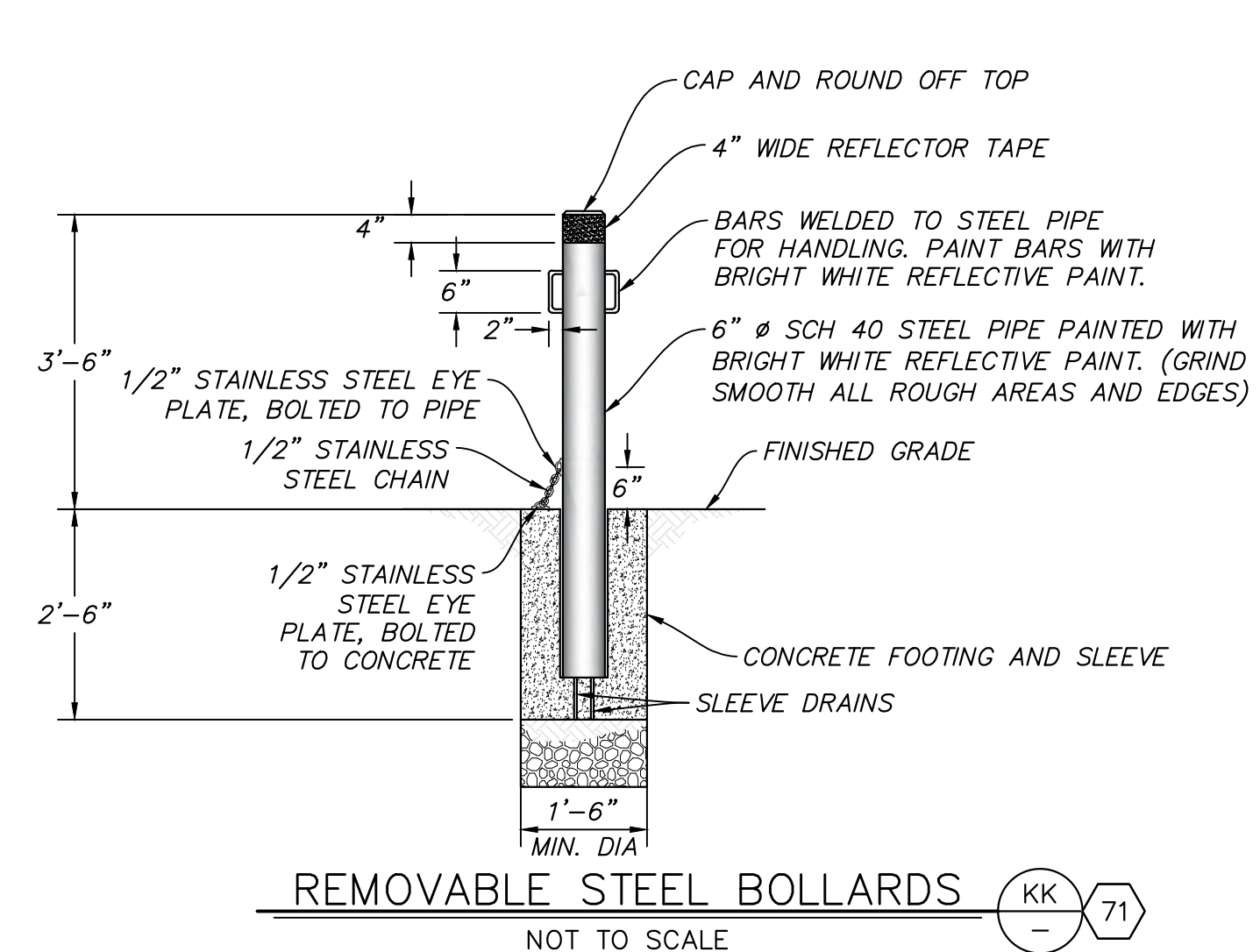
1/4-TON CONCRETE ROCK RIPRAP BANK PROTECTION DETAIL (HH) NOT TO SCALE STA. 228+10.00 TO 235+00.00



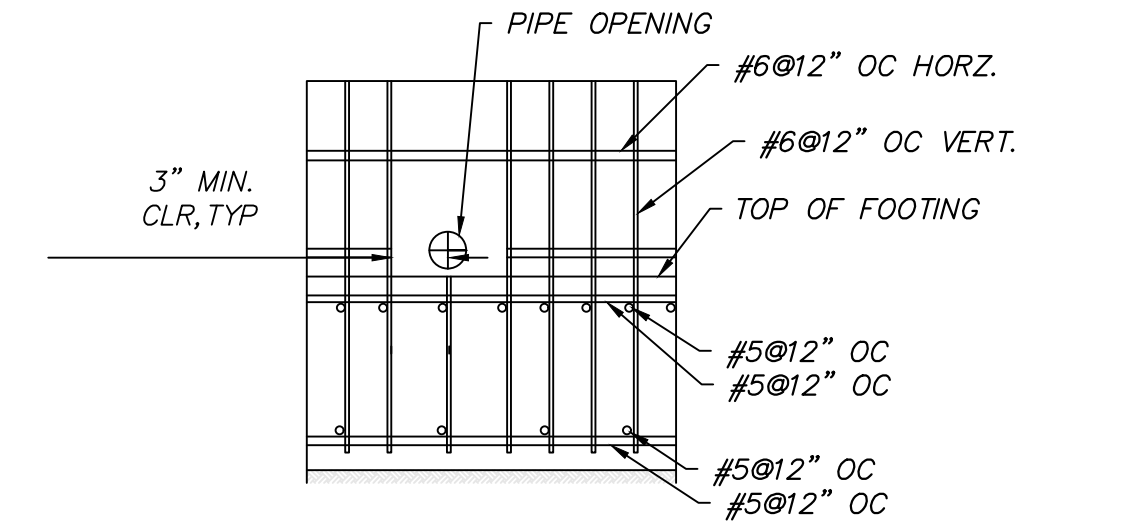
ROCK RIPRAP PAD AT 6" PVC DRAIN PIPE OUTLET (II) NOT TO SCALE



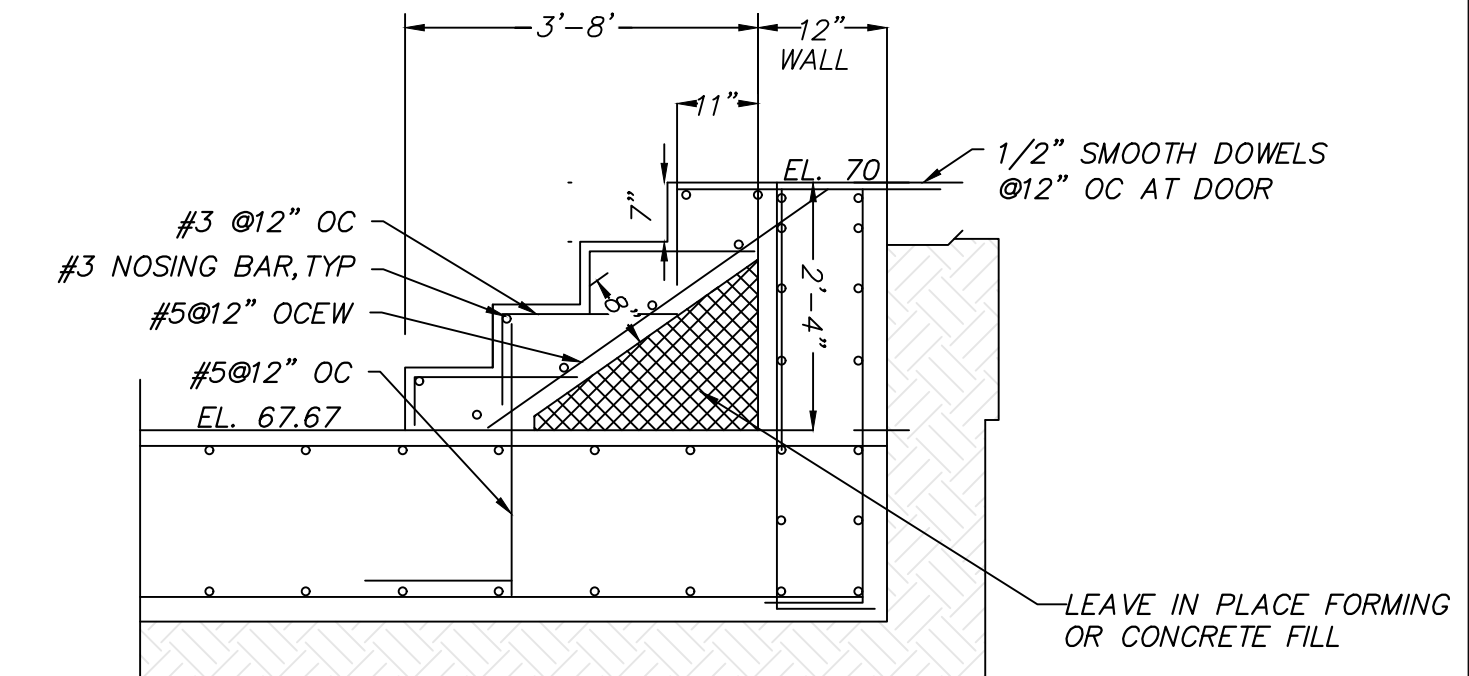
1-TON ROCK RIPRAP BANK PROTECTION DETAIL (JJ) NOT TO SCALE



REMOVABLE STEEL BOLLARDS (KK) NOT TO SCALE



PIPE PENETRATION IN CONTROL ROOM FOUNDATION DETAIL (AAA) NOT TO SCALE



STAIR DETAIL (BBB) NOT TO SCALE

DATE: 7/23/24

SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVER\LEVLEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-030\SHEET 31.DWG

D				
C				
B				
A				
△	REVISION	DESCRIPTION	APP.	DATE

Michael Baker International
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@INTL.COM

8/1/2024
 R.C.E.

DESIGNED	NZ	DATE	8/14/2024
DRAWN	NZ, EC	DATE	8/15/2024
CHECKED	AL	DATE	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

SPEC. NO.	WP25-05
PROJ. NO.	82045

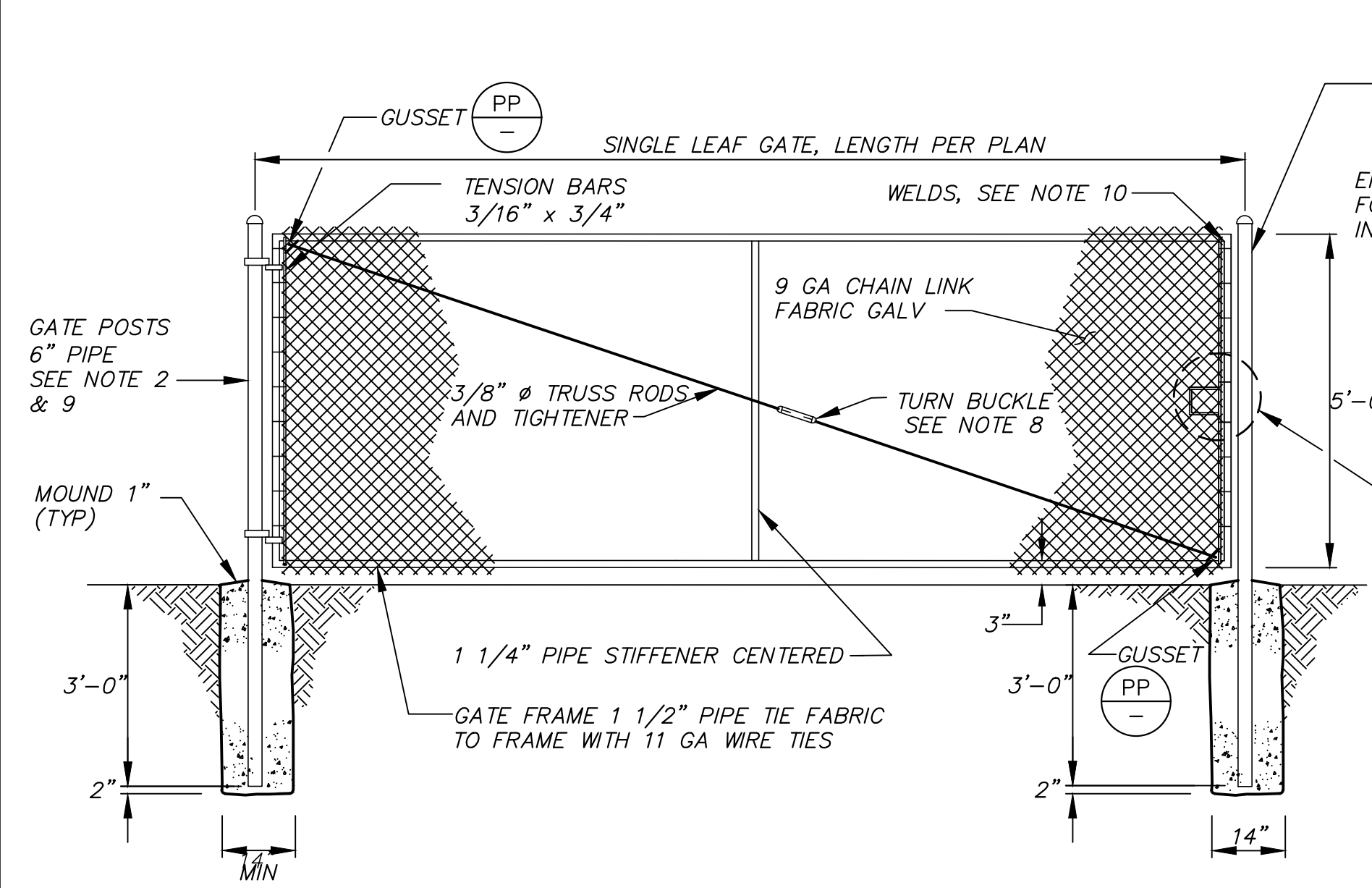
SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 BANK PROTECTION AND ACCESS ROAD DETAILS

SHEET	31
OF	62
DRAWING NO.	WPD-2-388

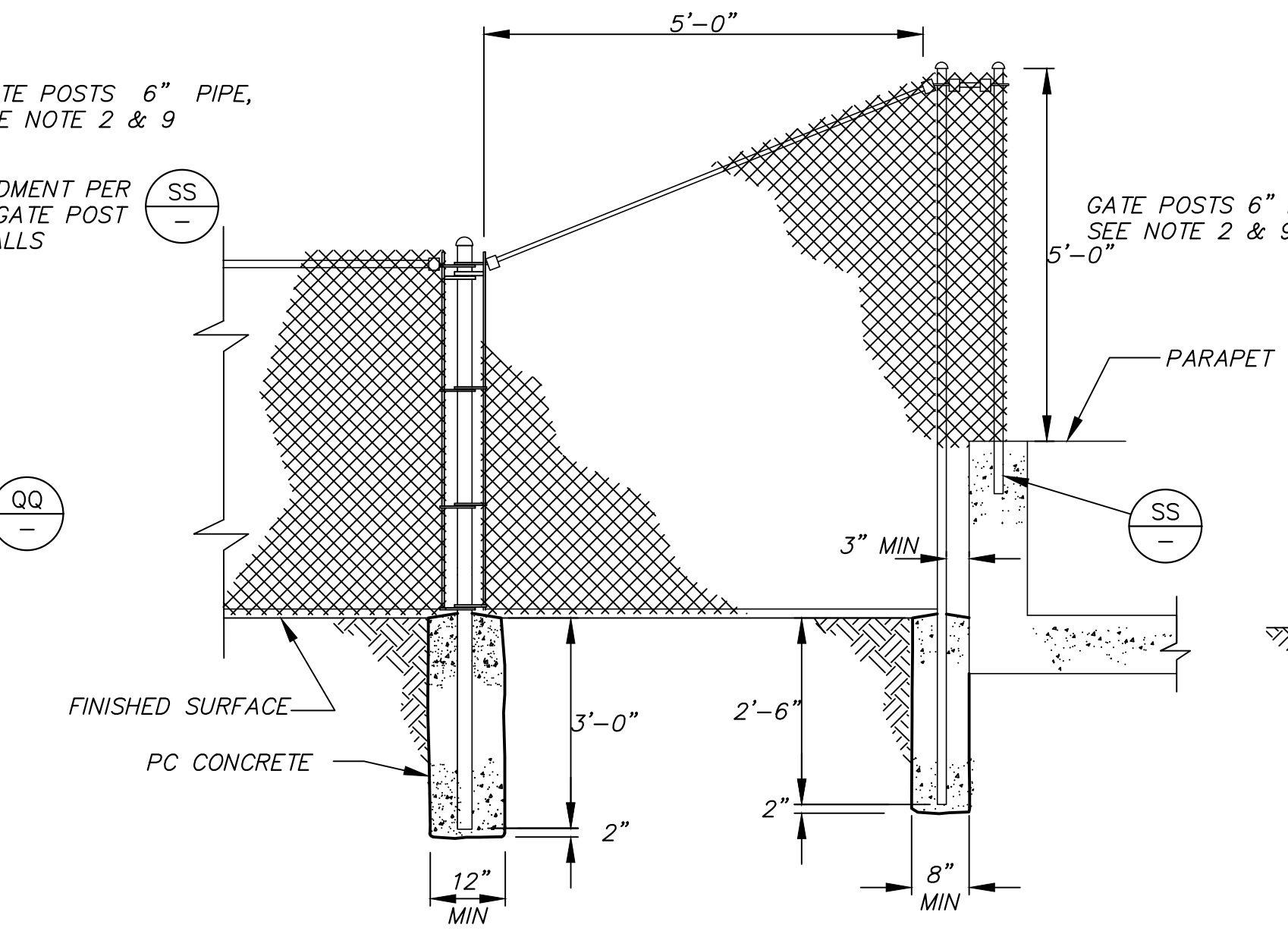


FENCE NOTES.

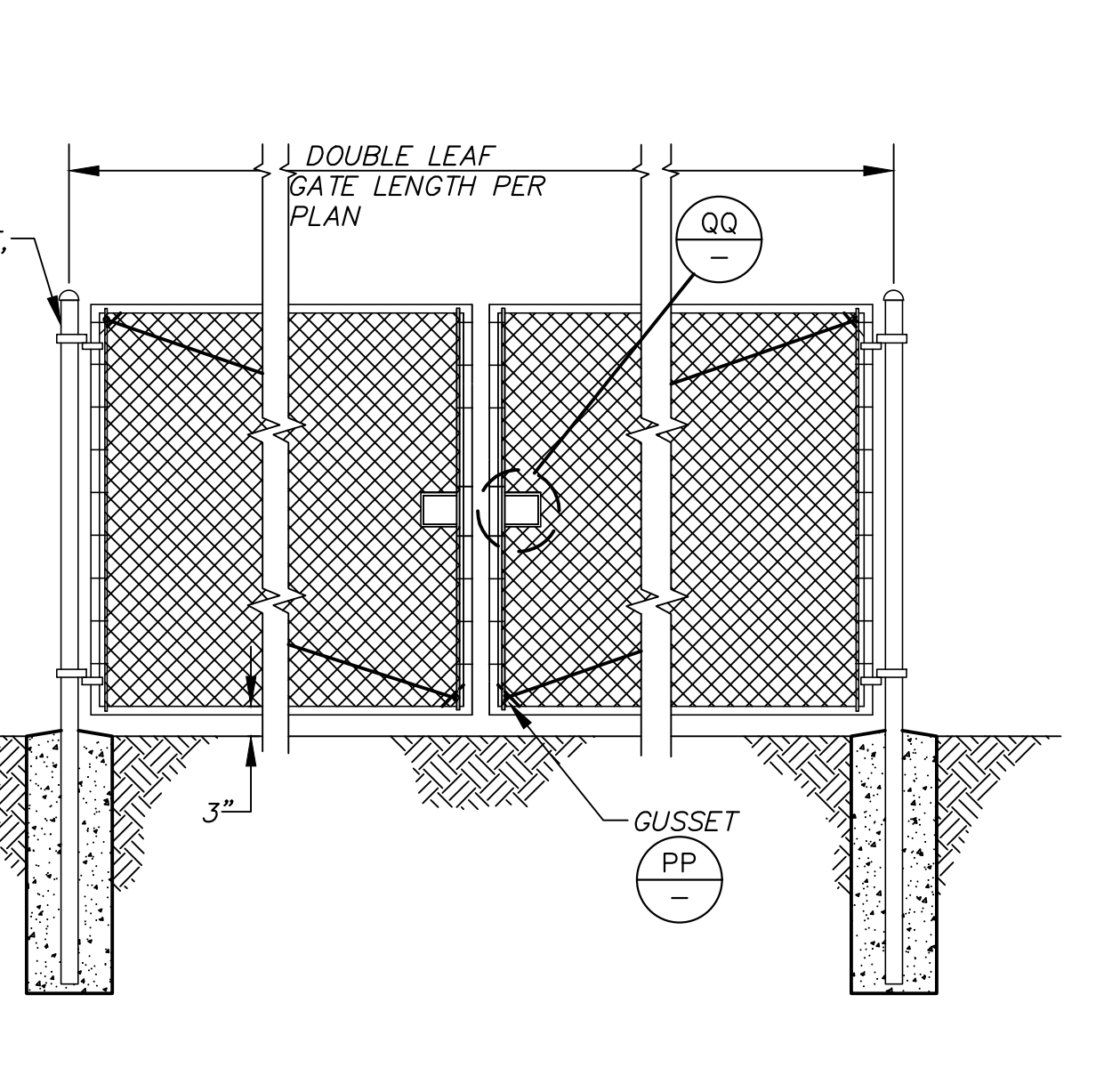
- FOR CONFIGURATION OF TOP AND BOTTOM EDGE OF CHAIN LINK FABRIC SEE SPECIFICATION.
- SECURE DRIVE FIT GALVANIZED CAP TO POST WITH 1/4" ROUND HEAD RIVET.
- INTERMEDIATE AND SLOPE POSTS SHALL BE INSTALLED AT NOT MORE THAN 300' INTERVALS ALONG FENCE LINE AND AT GRADE CHANGES EXCEEDING 5%.
- SEE POST EMBEDMENT DETAIL SHOWN HEREON FOR POST EMBEDMENT IN CHANNEL WALL.
- EYE TOPS MAY BE USED FOR LINE POSTS AT LOCATIONS WHERE NO TENSION ROD IS REQUIRED.
- ALL SURFACES SHALL MEET THE MINIMUM REQUIREMENTS OF COATING AS PER SSPWC 210-3.2 AND TABLE 210-3.2(A).
- GATE LATCH SHALL BE LOCATED SO THAT THE GATE IS HELD COMPLETELY OFF OF THE ACCESS ROAD AND SHALL ATTACH TO THE GATE BETWEEN 2/3 AND 3/4 OF THE DISTANCE FROM THE SWING GATE POST.
- THREADED ROD WITH NUT MAYBE USED IN PLACE OF TURN BUCKLE.
- GATE POSTS SHALL BE CAPPED WITH 6" GALVANIZED STEEL CAP AFTER BEING COMPLETELY FILLED WITH CONCRETE.
- WELDS SHALL BE SLOT OR FILLET WELDS EQUAL TO THICKNESS OF PIPE. WELD ALL JOINTS ALL AROUND.
- 4'-FT LONG 3/8" GALVANIZED LOCKING CHAIN WELDED AT THE CENTER TO GATE FRAME PIPE AND GALVANIZE THE WELDING AREA.
- GATE LATCH COMPOSED OF 1/4-INCH GRADE 30 HOT DIP GALVANIZED CHAIN, 8 INCHES IN LENGTH. CHAIN SHALL BE WELDED TO THE SWINGING FACE OF THE GATE FRAME PIPE WITH A 1" X 3 1/2" BRONZE BOLT SNAP ATTACHED TO THE END. THE AREA OF THE WELD SHALL BE GALVANIZED.



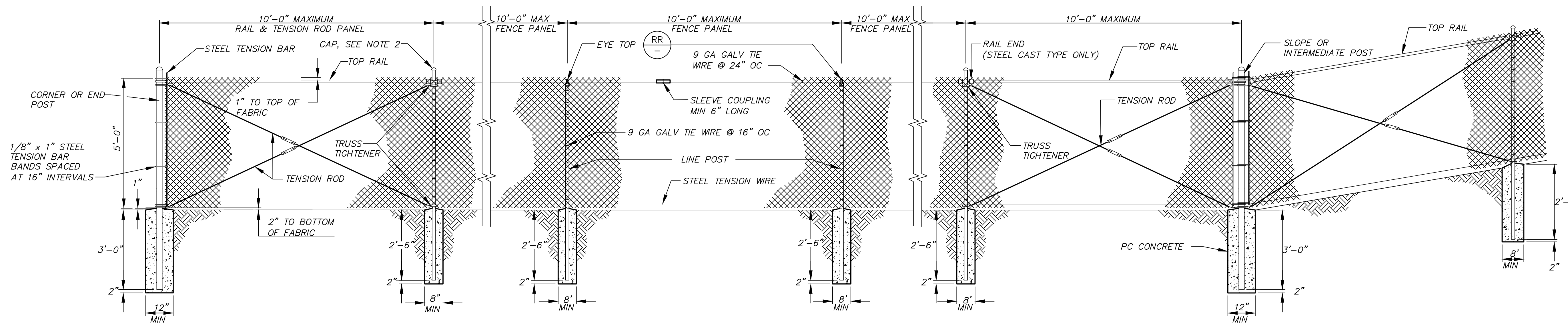
TYPICAL ACCESS ROAD SINGLE LEAF GATE DETAIL (MM)
NOT TO SCALE



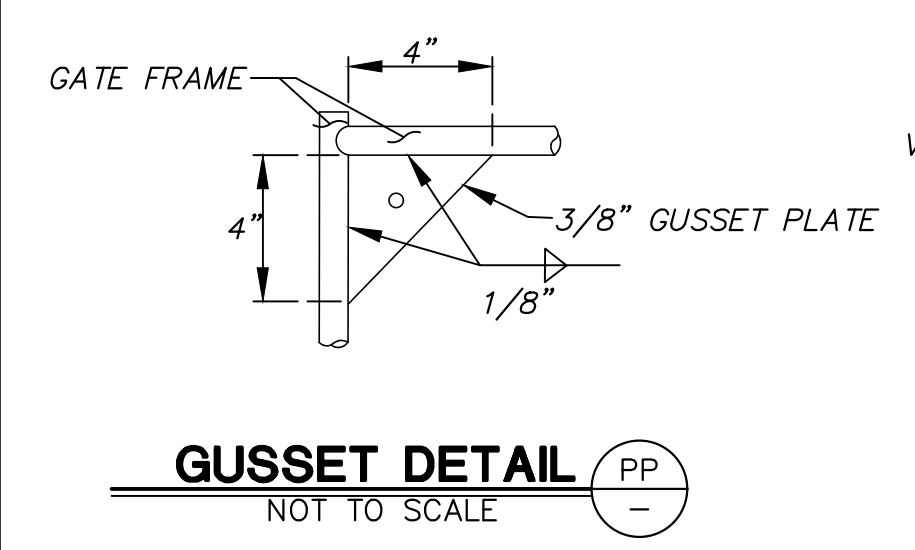
TYPICAL FENCE TRANSITION DETAIL (OO)
NOT TO SCALE



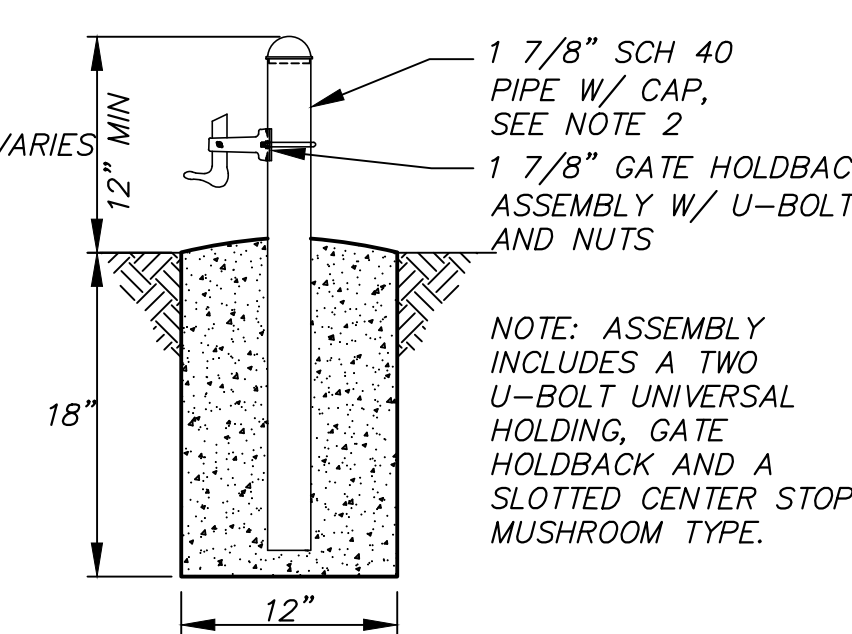
TYPICAL ACCESS ROAD DOUBLE LEAF GATE DETAIL (NN)
NOT TO SCALE



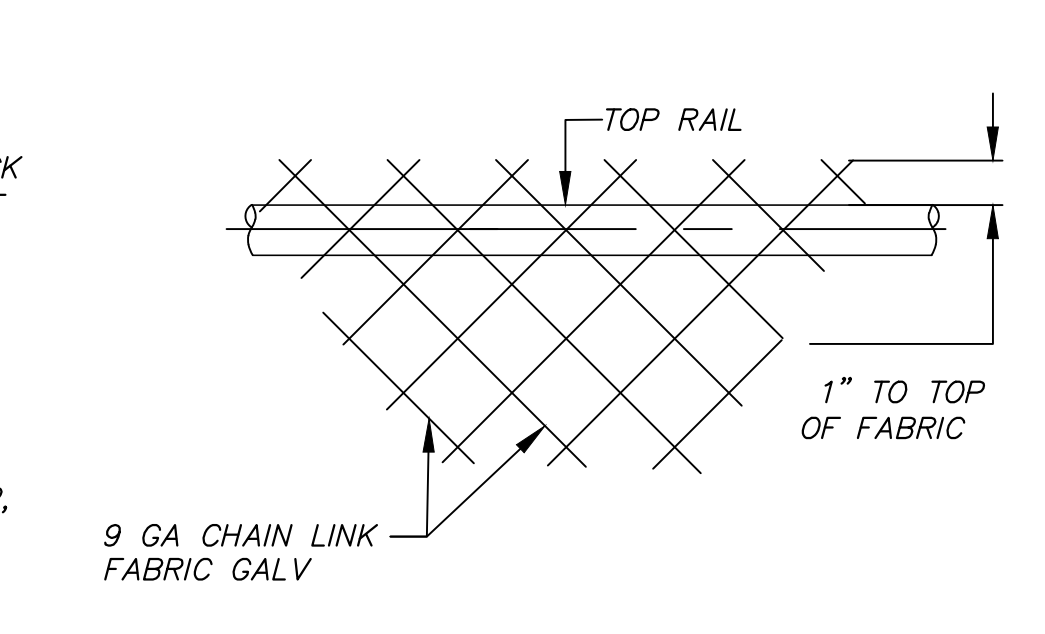
TYPICAL FENCE DETAIL (LL)
NOT TO SCALE



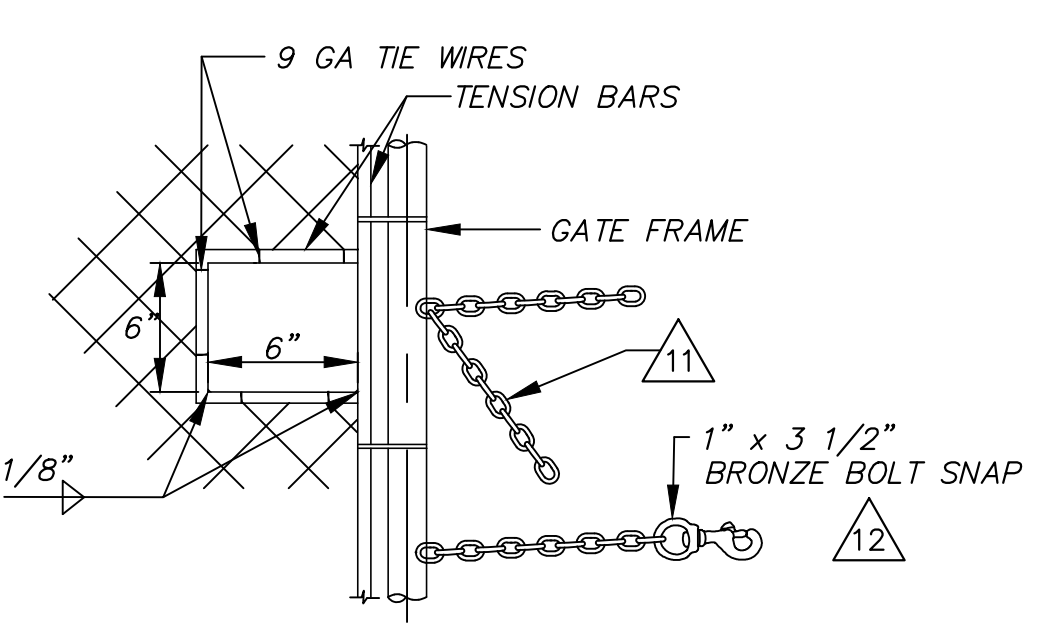
GUSSET DETAIL (PP)
NOT TO SCALE



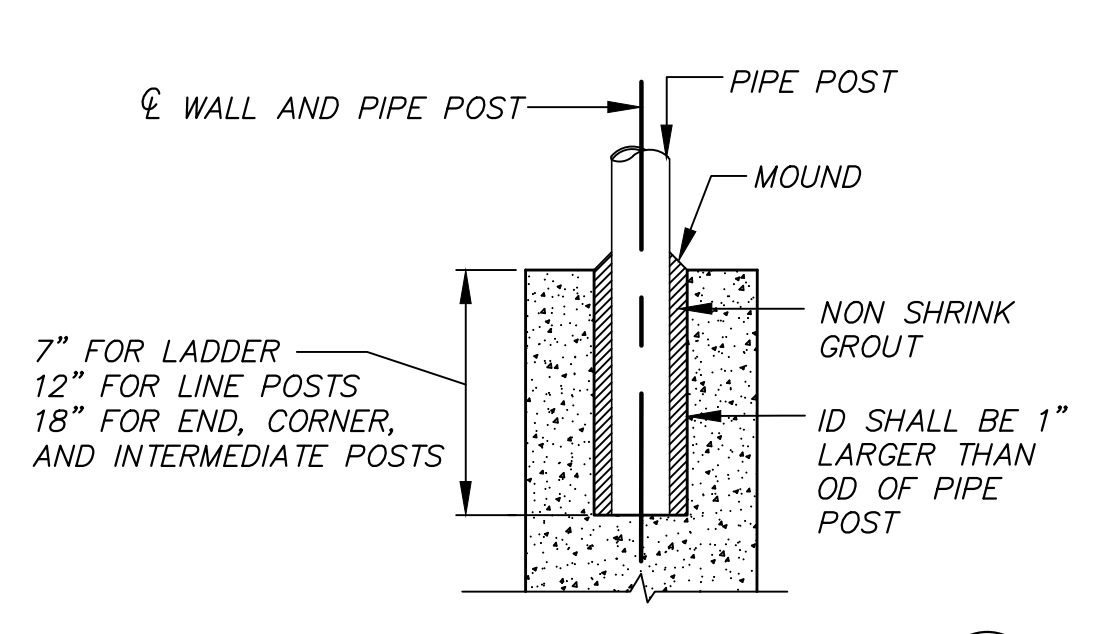
GATE LATCH DETAIL (UU)
NOT TO SCALE



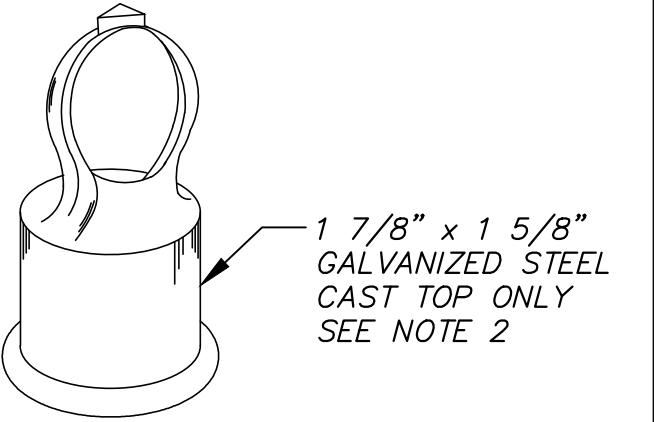
RAIL AND TOP FENCE DETAIL (TT)
NOT TO SCALE



CHAIN AND LOCK CUT-OUT DETAIL (QQ)
NOT TO SCALE



POST EMBEDMENT IN REINFORCED CONCRETE DETAIL (SS)
NOT TO SCALE



EYE TOP DETAIL (RR)
NOT TO SCALE



SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\B2045_SANTACLARARIVERLEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-031 SHEET 32.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker International
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

8/1/2024
R.C.E. DATE

DESIGNED	NZ	8/14/2024
DRAWN	NZ, EC	8/15/2024
CHECKED	AL	8/16/2024

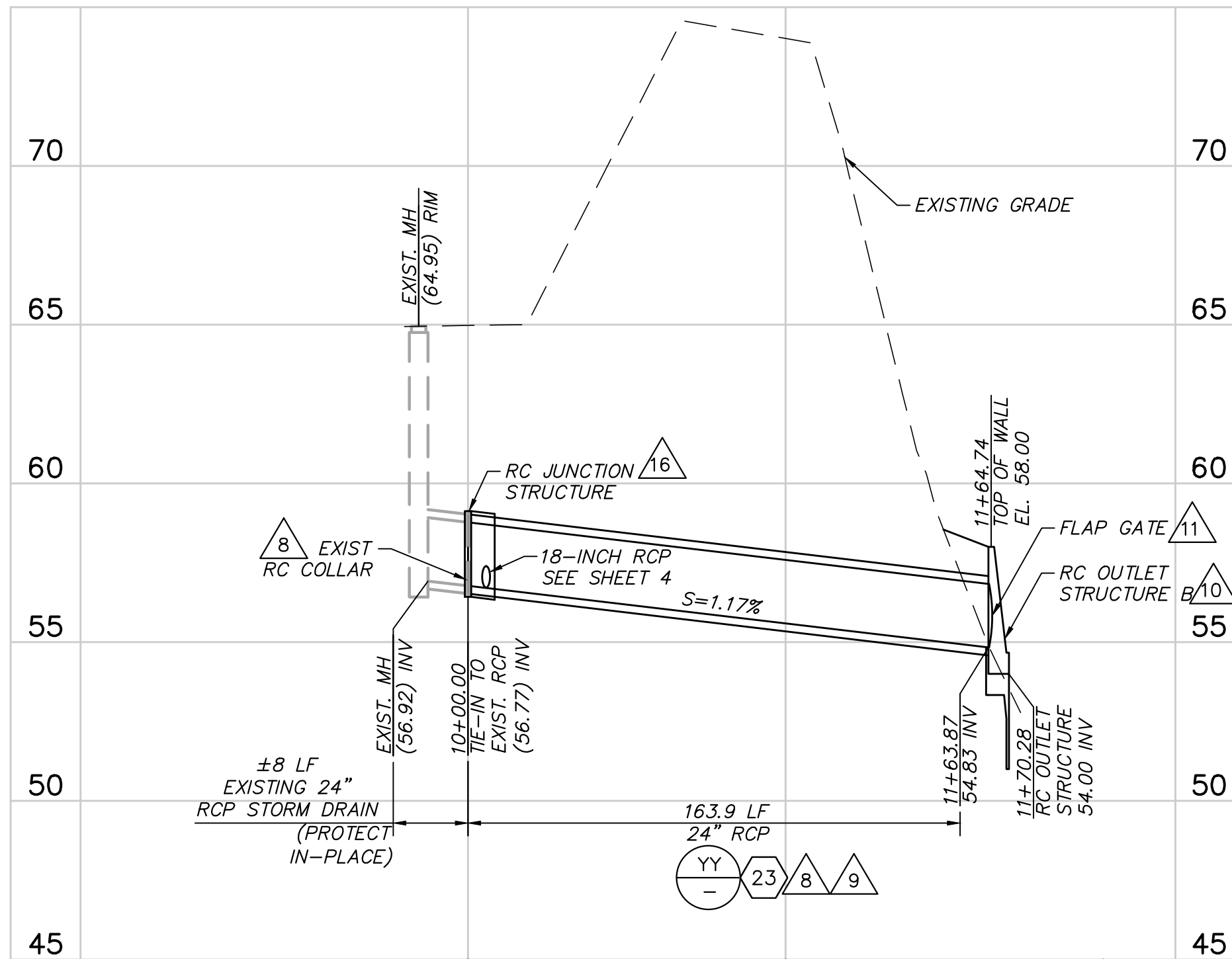
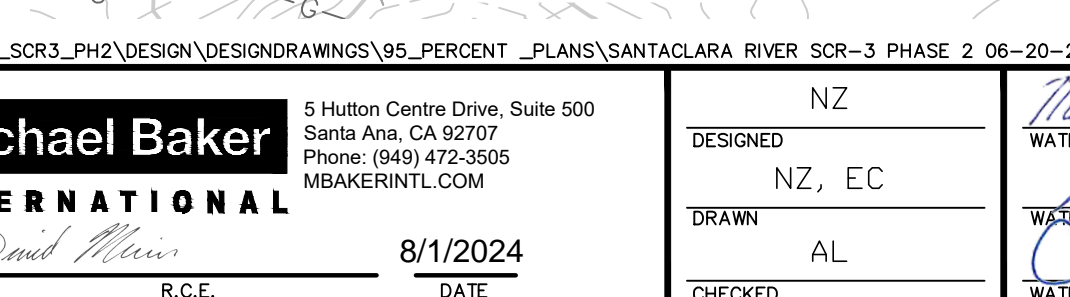
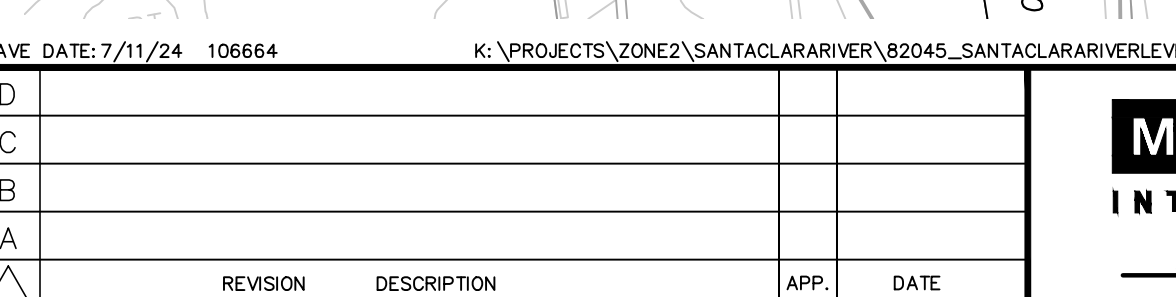
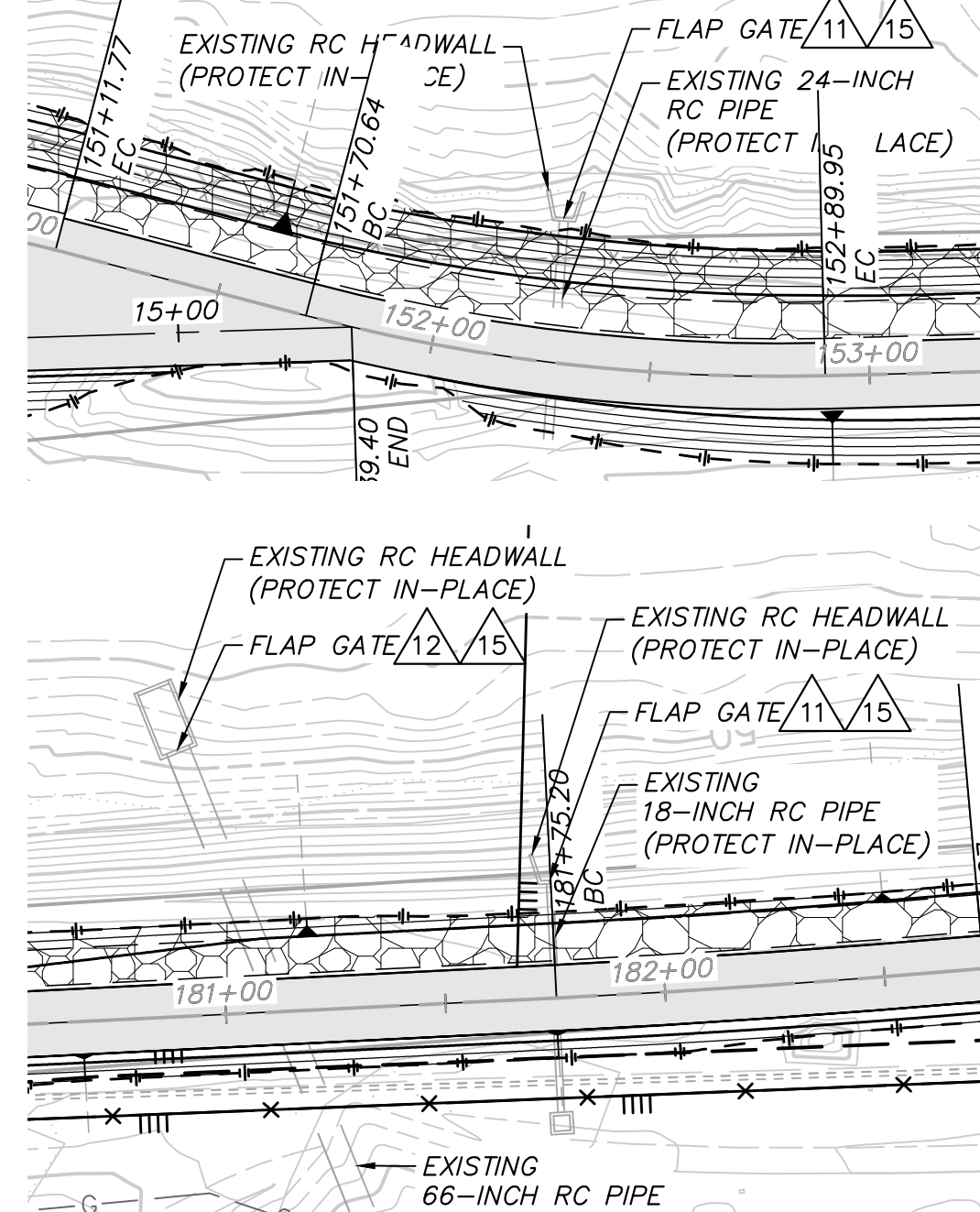
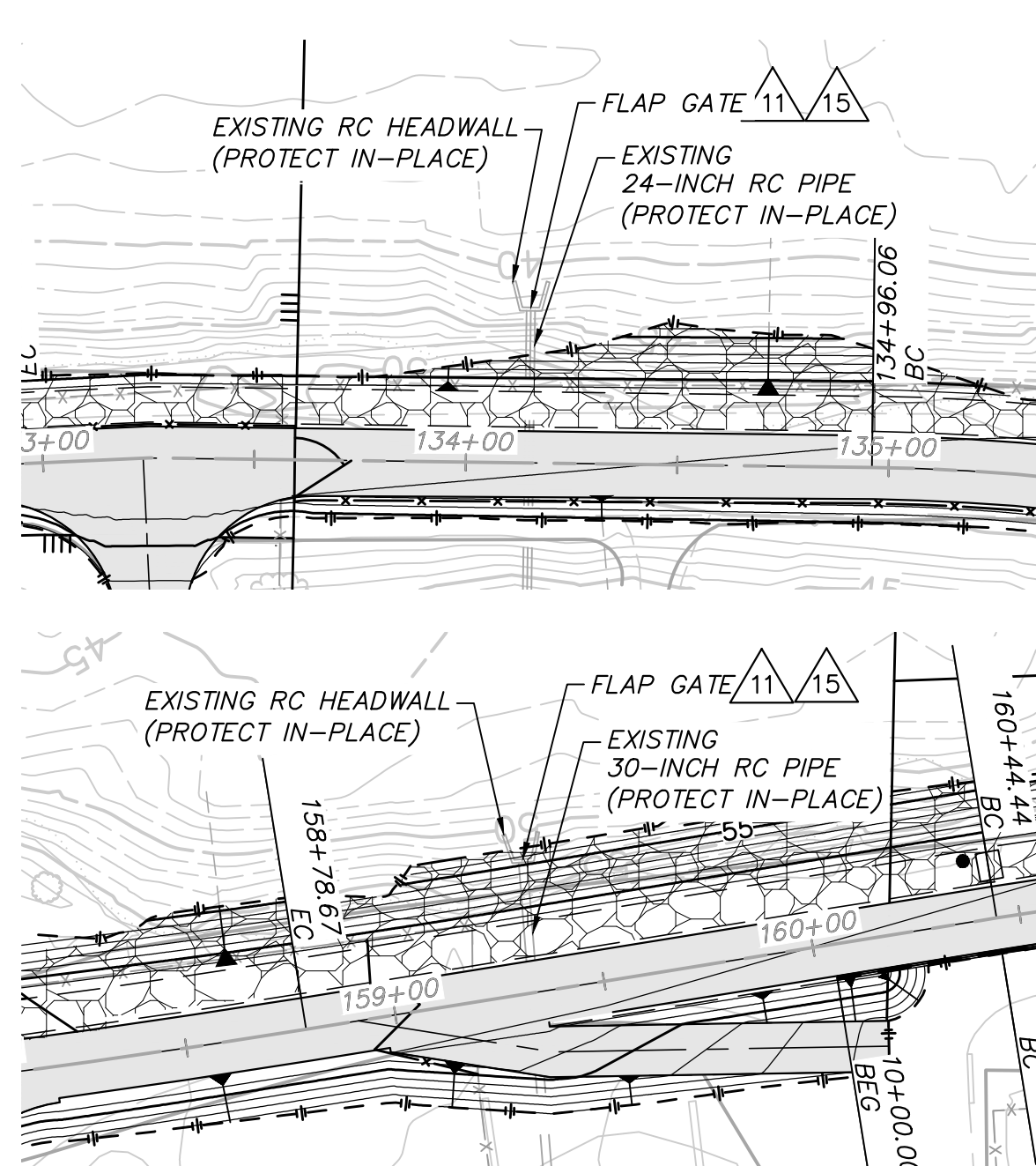
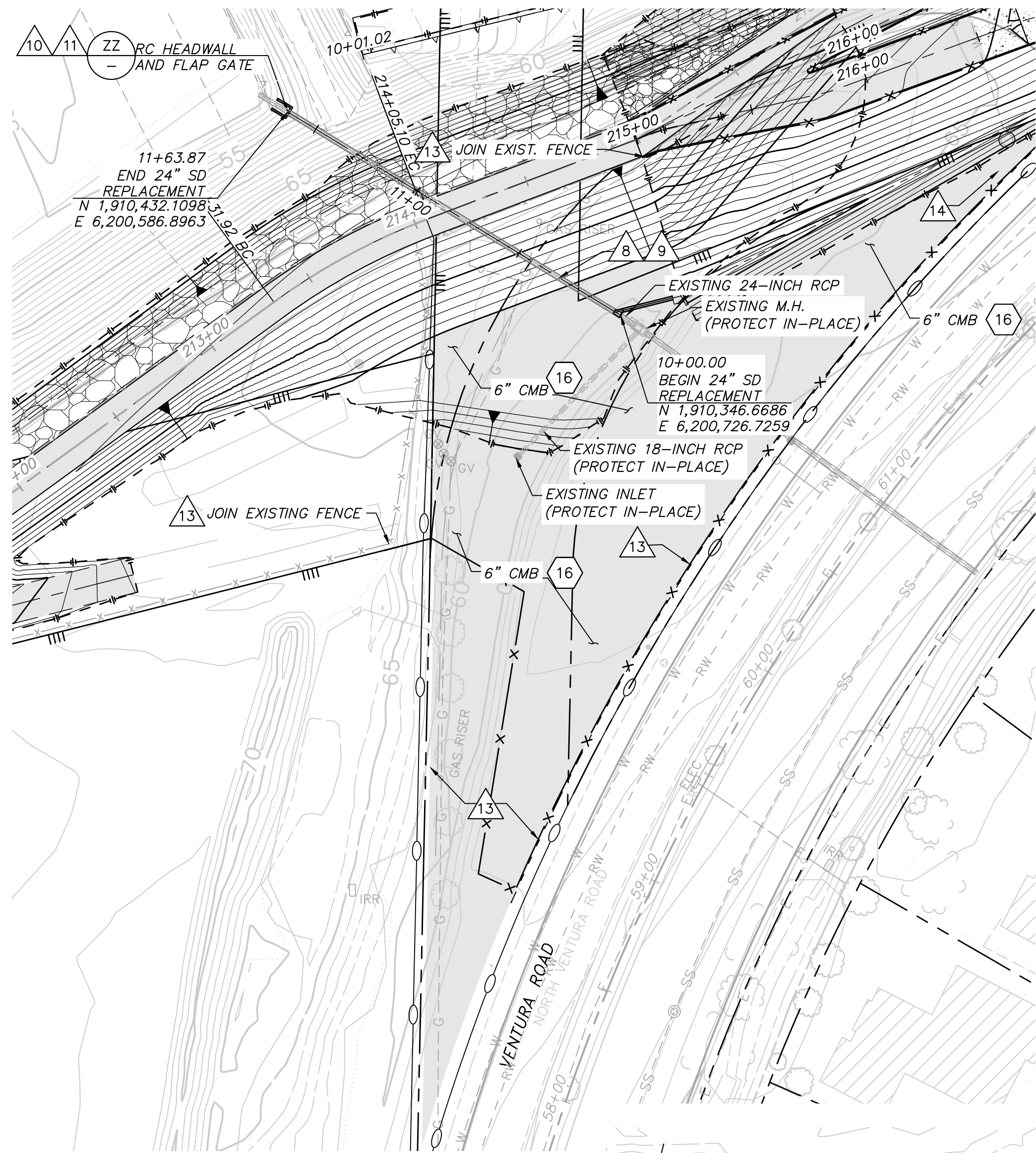
WATERSHED PROJECT MANAGER
WATERSHED DEPUTY DIRECTOR
WATERSHED DIRECTOR

VENTURA COUNTY PUBLIC WORKS AGENCY
WATERSHED PROTECTION

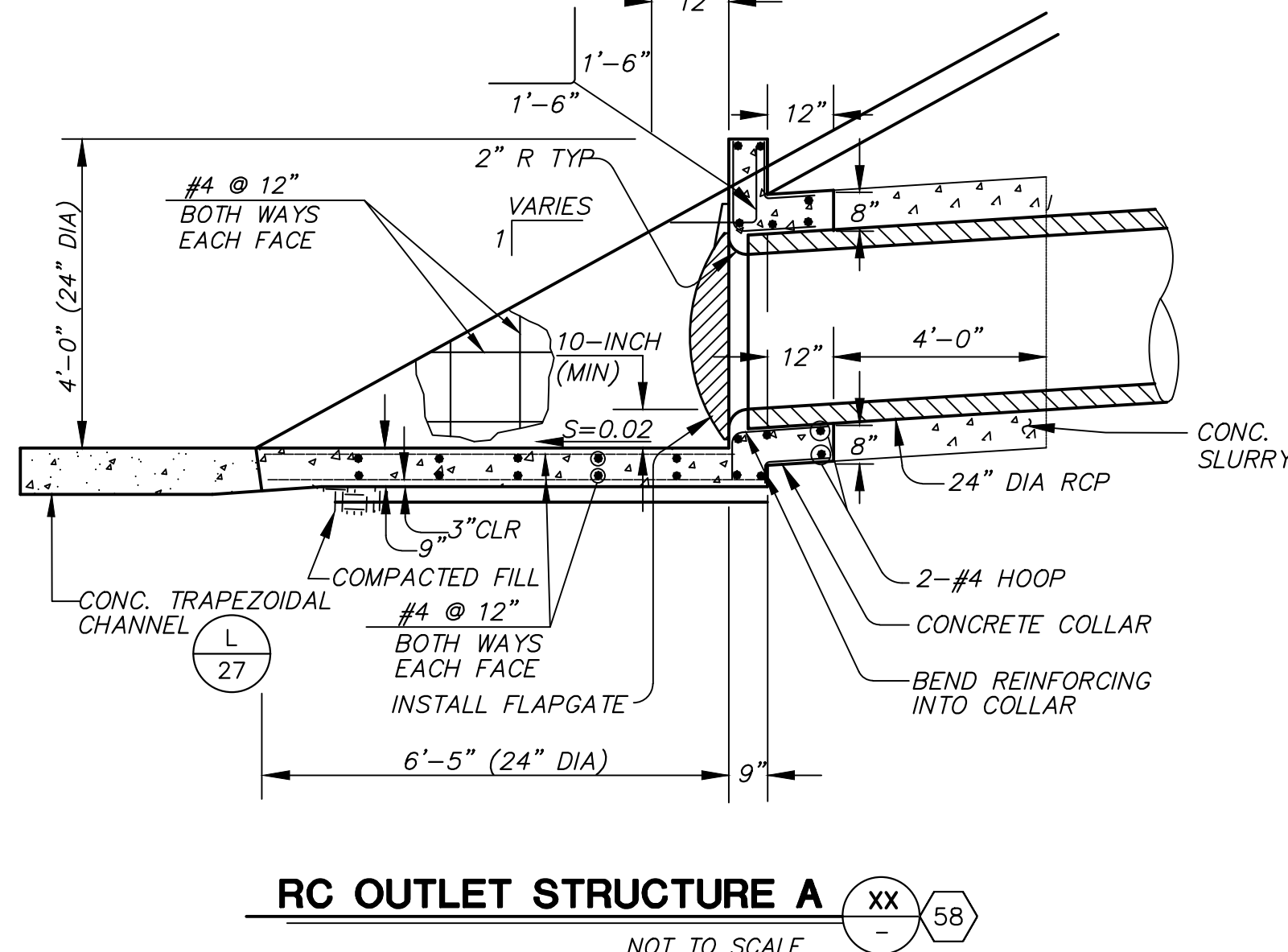
SPEC. NO.	WP25-05
PROJ. NO.	82045

SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
FENCE DETAILS

SHEET	32
OF	62
DRAWING NO.	WPD-2-388



- CONTRACTOR SHALL INSTALL WATERMAN F-10 OR EQUIVALENT FLAPGATE WITH BRONZE SEATS AND STAINLESS STEEL HARDWARE. THE SIZE SHALL MATCH EXISTING 18-INCH, 24-INCH, AND 30-INCH RC PIPES.
- CONTRACTOR SHALL INSTALL WATERMAN F-10 OR EQUIVALENT FLAPGATE WITH BRONZE SEATS AND STAINLESS STEEL HARDWARE. THE SIZE SHALL MATCH EXISTING 66-INCH RC PIPE.
- INSTALL 5-FT HIGH CHAIN LINK FENCE WITH TOP RAIL.
- INSTALL 15-FT WIDE BY 5-FT HIGH SINGLE LEAF CHAIN LINK GATE.
- REFERENCE SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3)-PHASE 1 RECORD DRAWINGS Y-2-3894, Y-2-3896, Y-2-3897, AND Y-2-3900.
- CONSTRUCT PIPE TO PIPE JUNCTION STRUCTURE PER SPPWC 340-2.

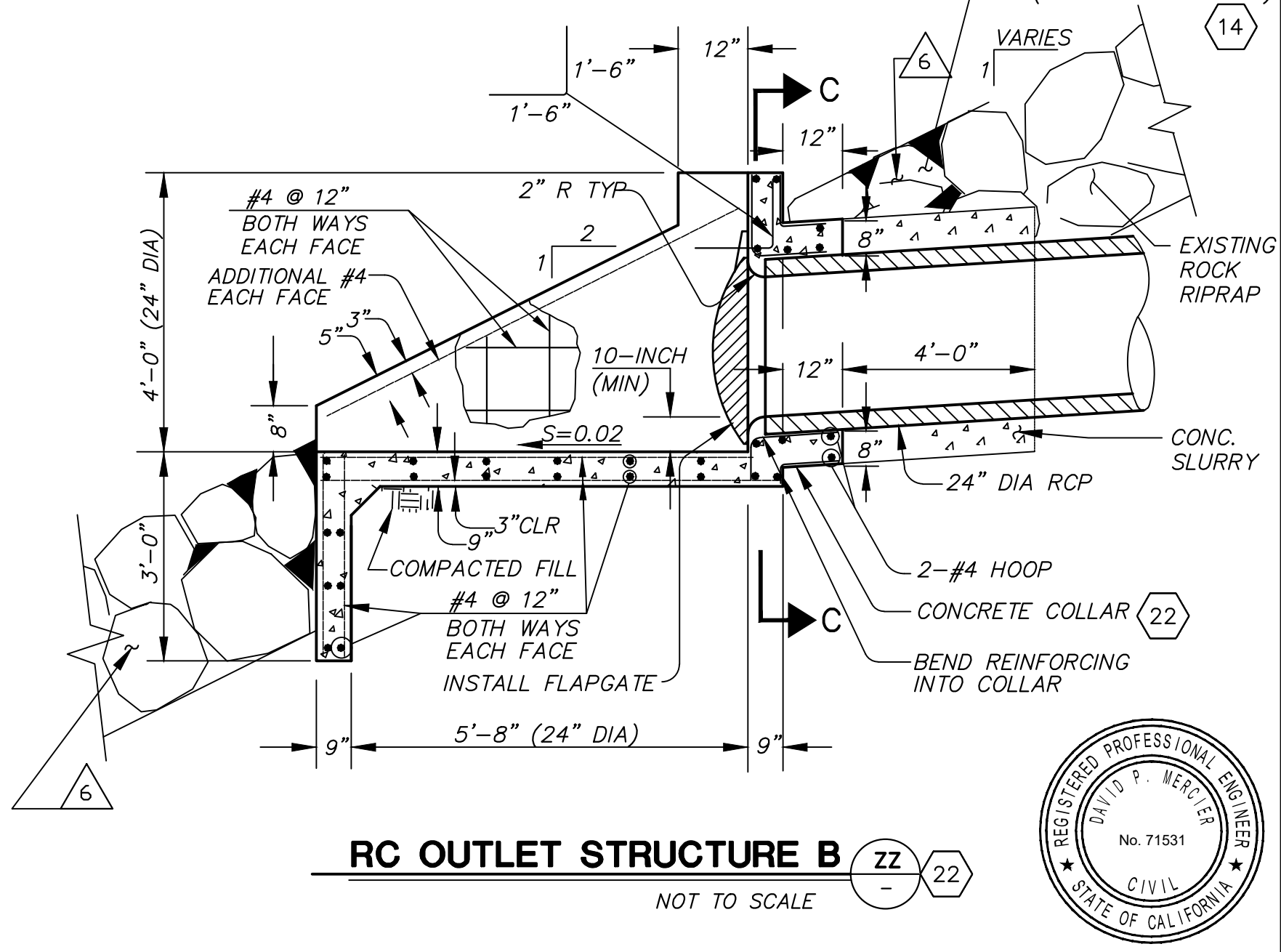
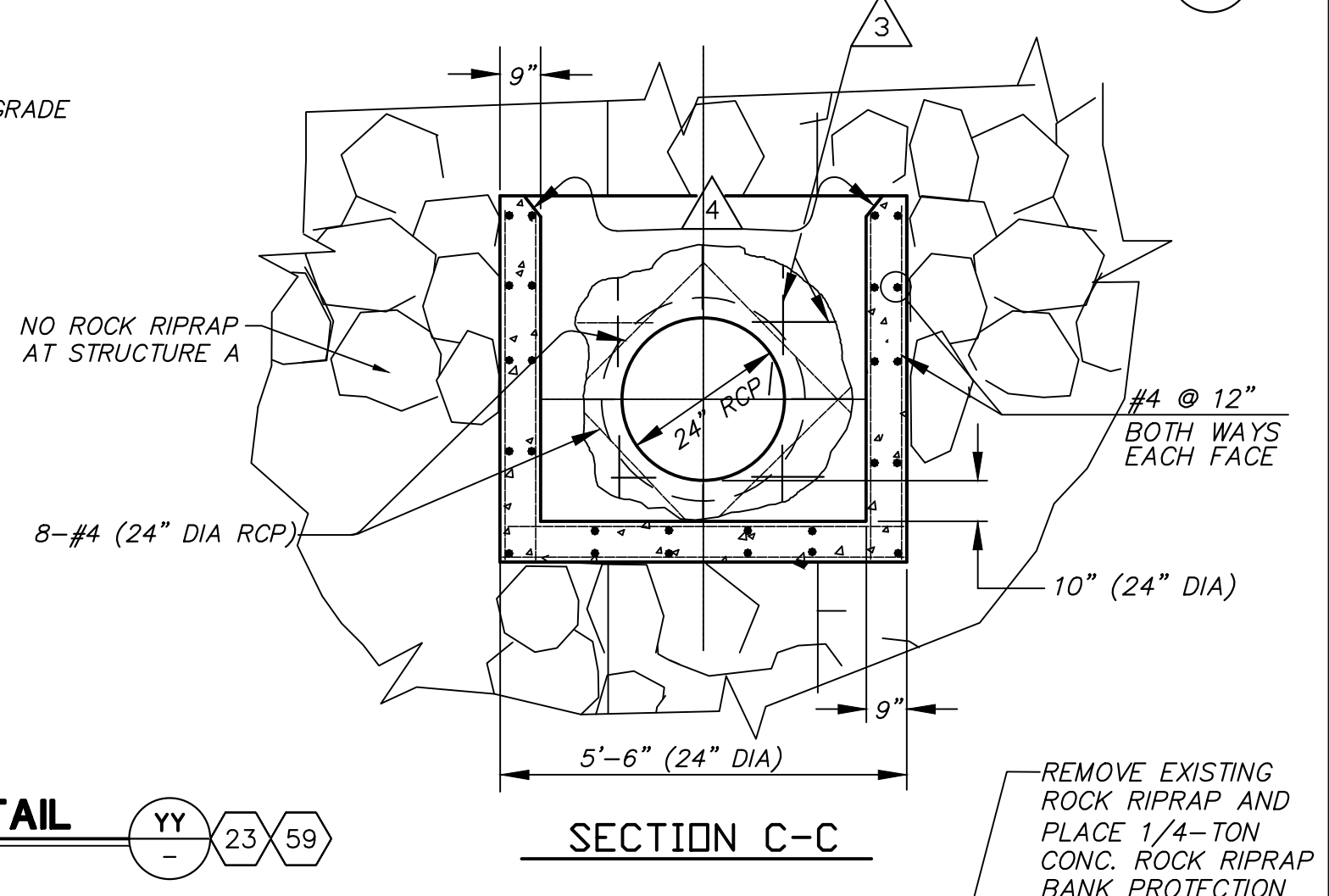
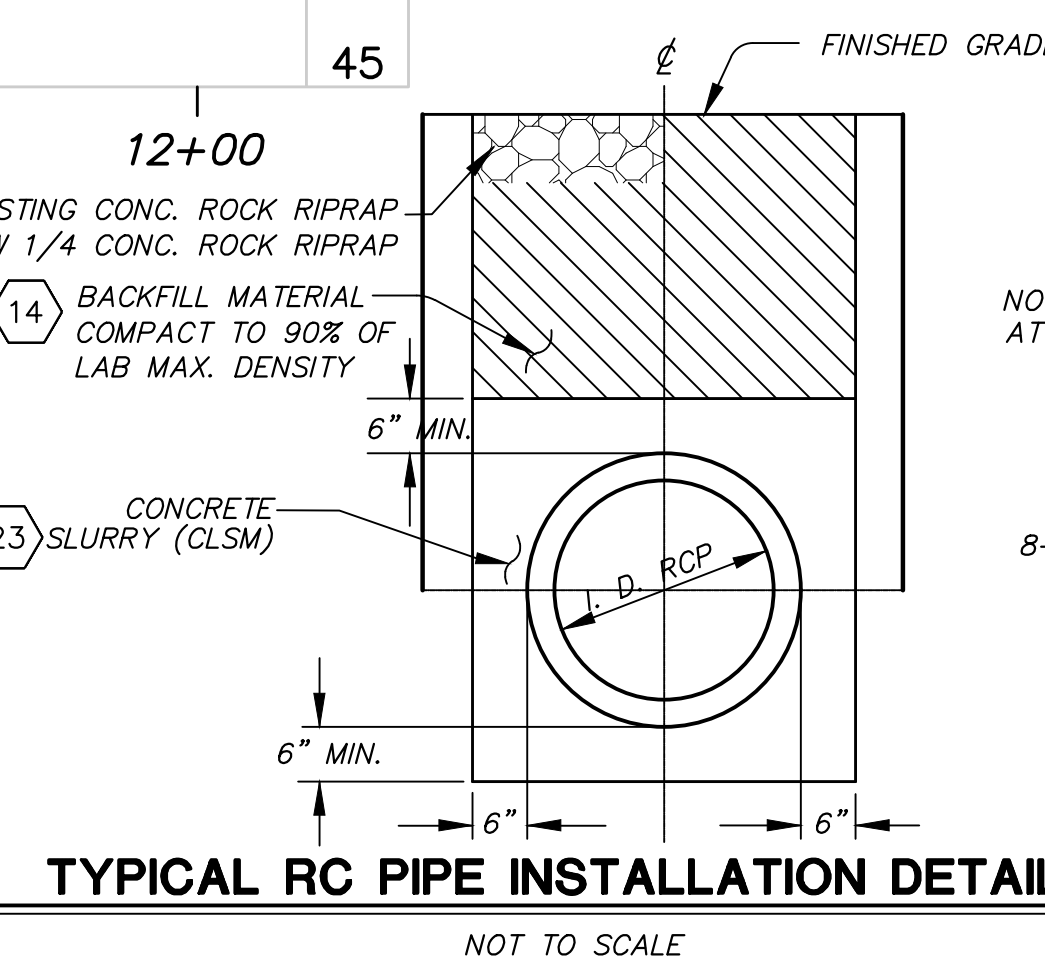


- NOTES:**
- DIMENSIONS FROM FACE OF CONCRETE TO STEEL ARE TO THE NEAREST EDGE OF THE BAR AND SHALL BE ONE AND ONE-HALF INCHES UNLESS OTHERWISE SHOWN.
 - ALL REINFORCING STEEL SHALL BE #4 BARS AT 12" C.C. EACH WAY, BOTH FACE MAXIMUM SPACING EXCEPT AS SHOWN OTHERWISE.
 - REINFORCEMENT DETAILS SHALL CONFORM TO CHAPTER SEVEN OF ACI CODE 318-02.
 - ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED OR ROUNDED 3/4".
 - ALL LAP SPLICES SHALL CONFORM TO ACI 318-02. LONGITUDINAL STEEL SHALL BE LAPPED 24 BAR DIAMETERS AT SPLICES. TRANSVERSE STEEL SHALL BE LAPPED USING THE FOLLOWING TABLE.

BAR SIZE	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18
LENGTH OF LAP SPLICE	25"	31"	38"	54"	62"	70"	79"	87"	TENSION LAP SPLICING NOT PERMITTED	

THE LAP LENGTH SHALL BE BASED ON THE SMALLER SIZE BAR.

- A STRIP OF TWO FEET WIDE ABOUT THE PERIMETER OF THE RC OUTLET STRUCTURE SHALL BE CONCRETED WITH FULL PENETRATION CONTINUING UP TO EXISTING FLOW LINE.
- CONTRACTOR SHALL FILL AND COMPACT TO 90 PERCENT RELATIVE COMPACTION PRIOR TO PIPE TRENCHING.
- SAW-CUT, REMOVE, AND DISPOSE OF EXISTING RC COLLAR 24-INCH DIA CSP. CONCRETED ROCK RIPRAP, ROCK RIPRAP AND FLAP GATE.
- CONTRACTOR SHALL FOLLOW EXISTING 24-INCH DIA. CSP ALIGNMENT AND CONSTRUCT 24-INCH DIA. RCP FROM THE END OF EXISTING 24-INCH RCP TO NEW RC OUTLET STRUCTURE.
- CONTRACTOR SHALL CONSTRUCT RC OUTLET STRUCTURE B AND FLAP GATE. SEE PROFILE HEREON.



REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker International
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@INTL.COM

DESIGNED: NZ
 DRAWN: AL
 CHECKED: [Signature]
 DATE: 8/1/2024

DESIGNED: NZ
 DATE: 8/14/2024

DRAWN: NZ, EC
 DATE: 8/15/2024

CHECKED: AL
 DATE: 8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY
WATERSHED PROTECTION

DESIGNED: NZ
 DATE: 8/14/2024

DRAWN: NZ, EC
 DATE: 8/15/2024

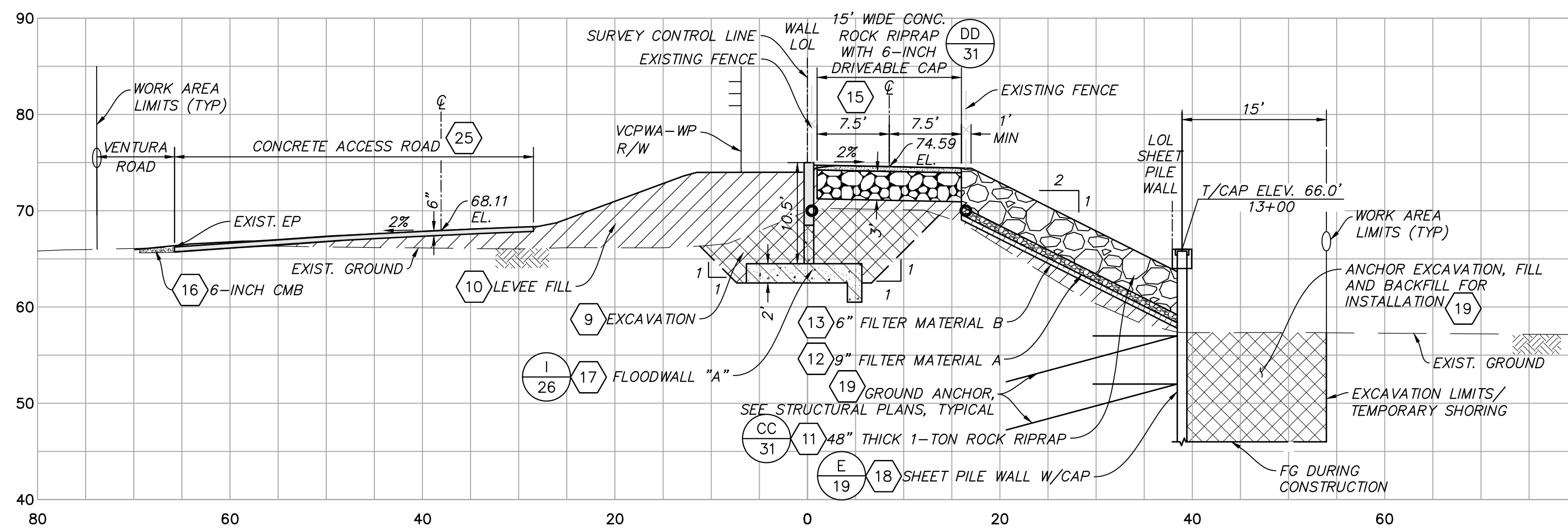
CHECKED: AL
 DATE: 8/16/2024

SPEC. NO.: WP25-05
 PROJ. NO.: 82045

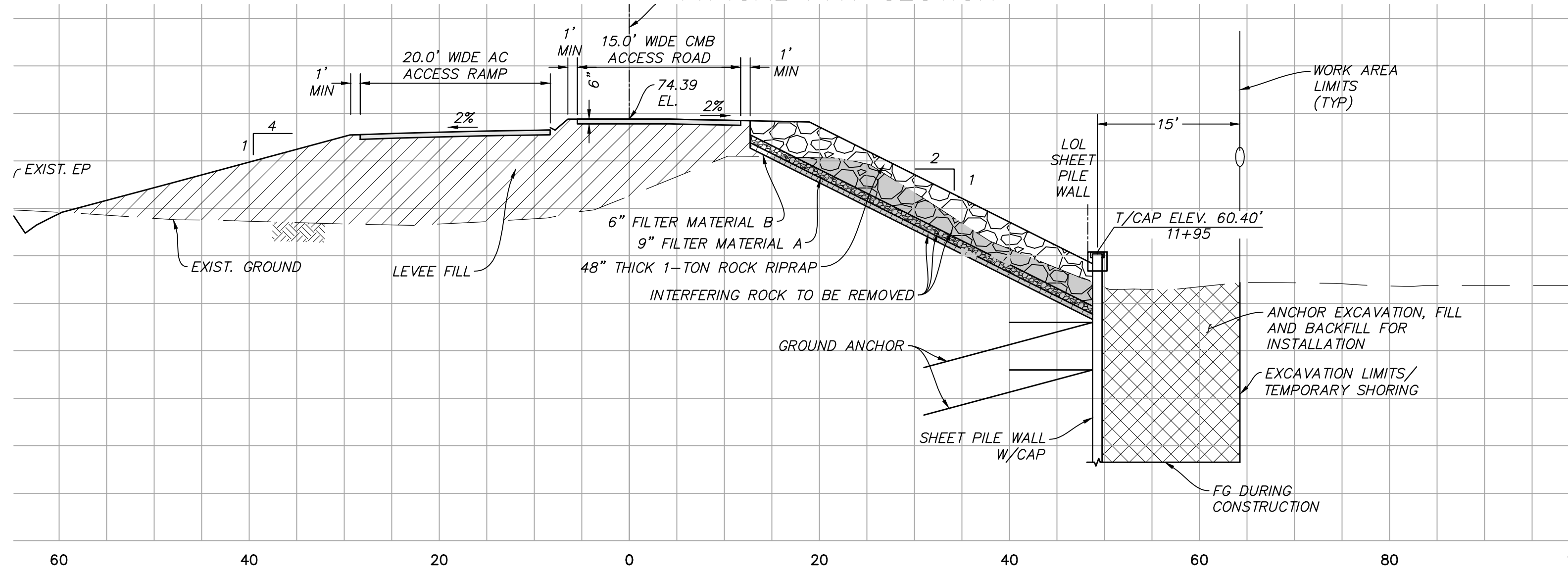
SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 ADDITIONAL OUTLET AND FLAP GATE DETAILS

SHEET 33 OF 62
 DRAWING NO. WPD-2-388

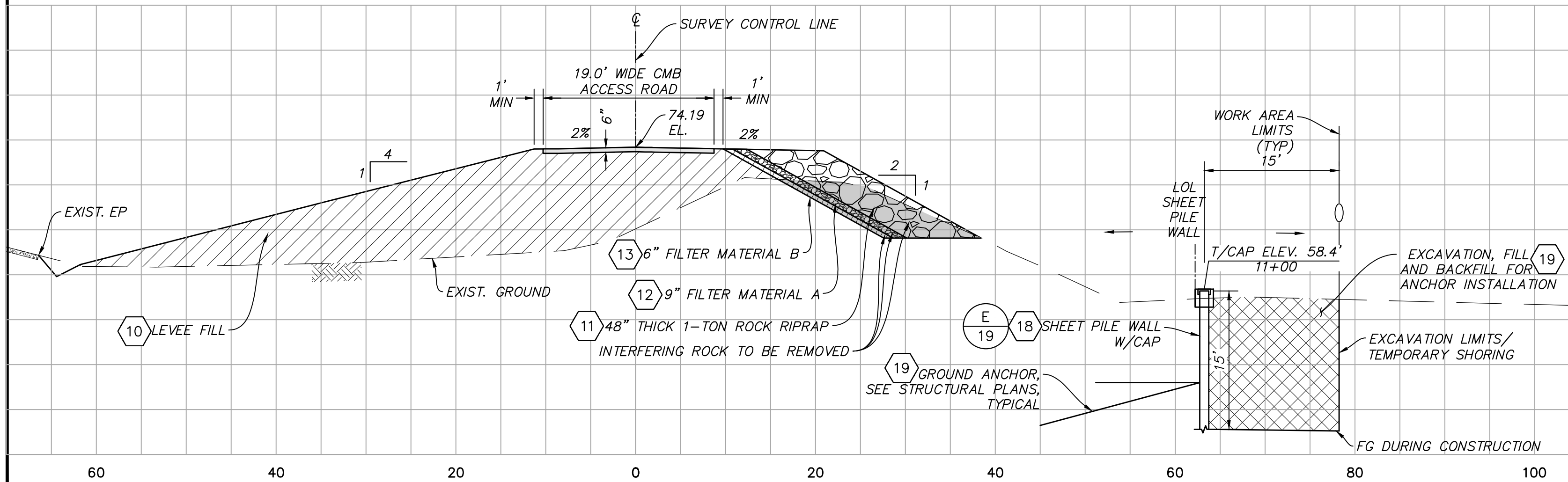




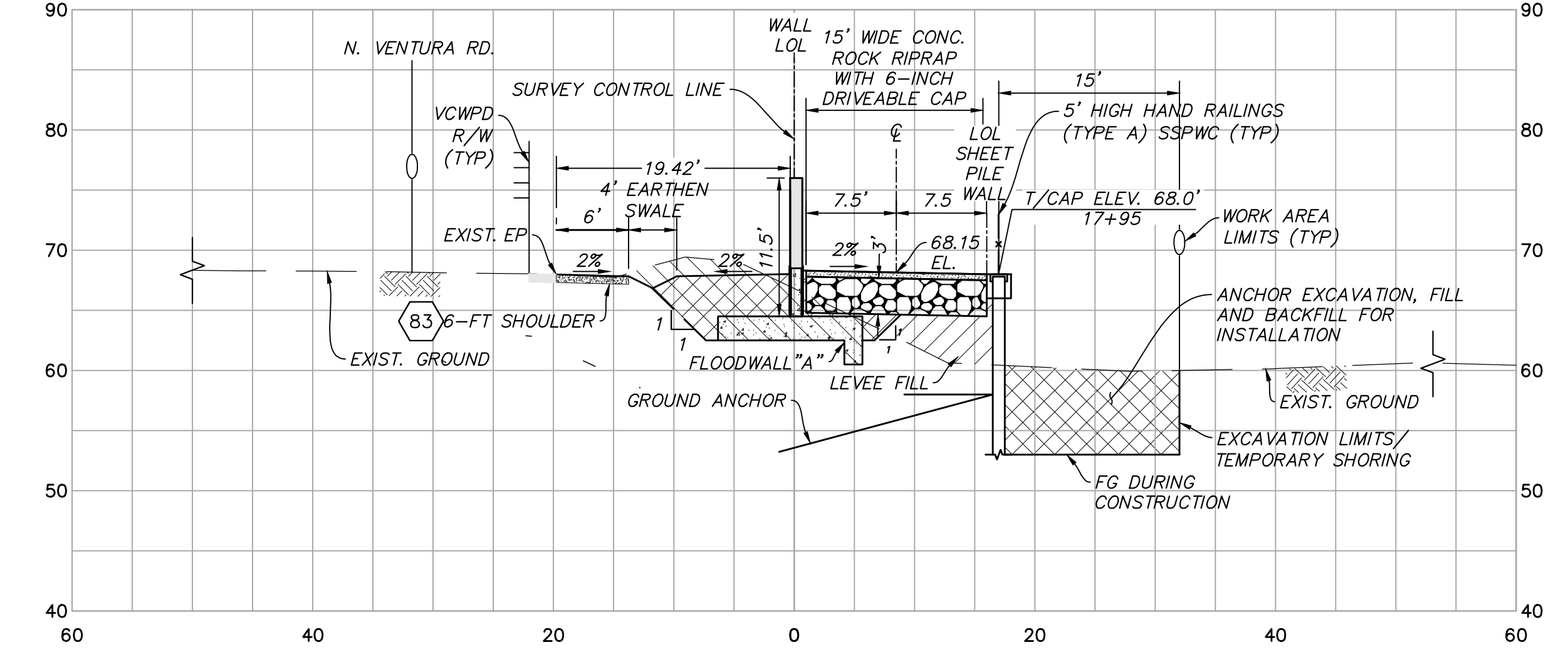
STA. 217+00
TYPICAL PAY SECTION



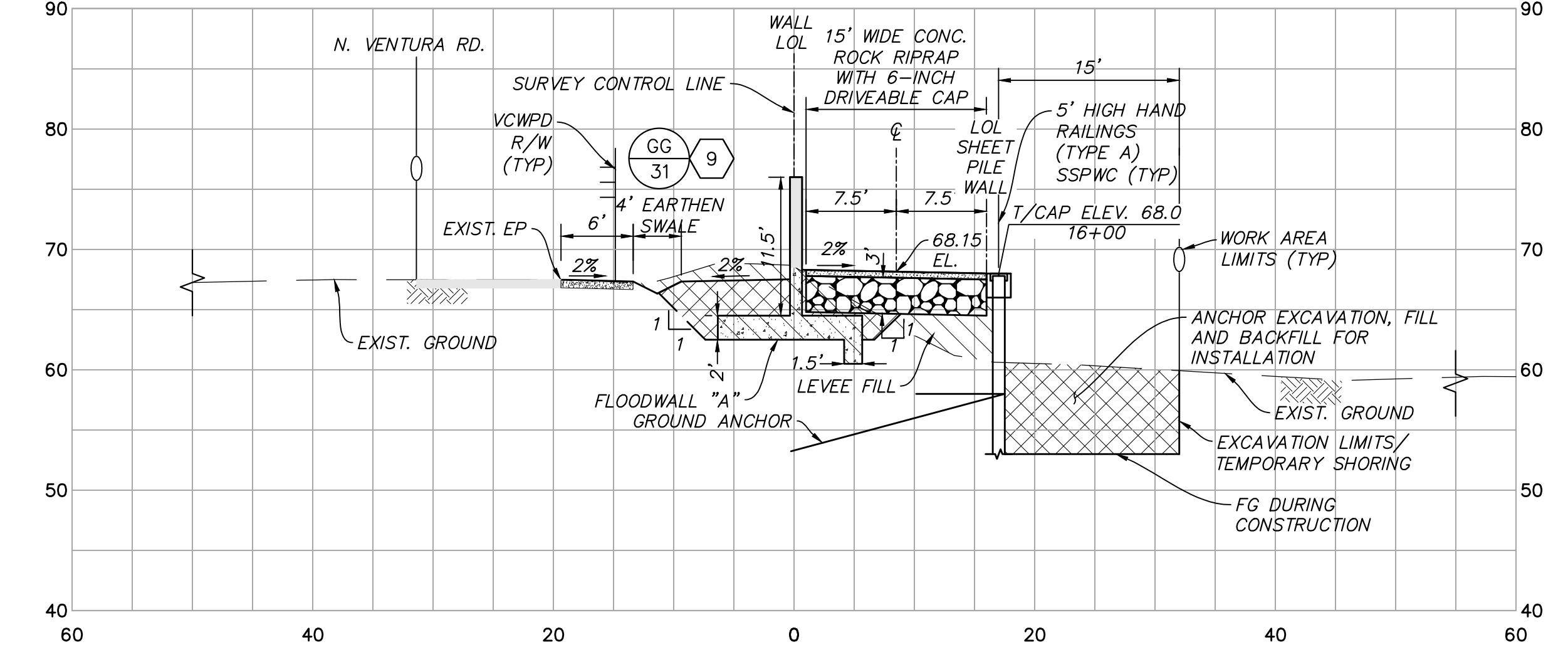
STA. 216+00



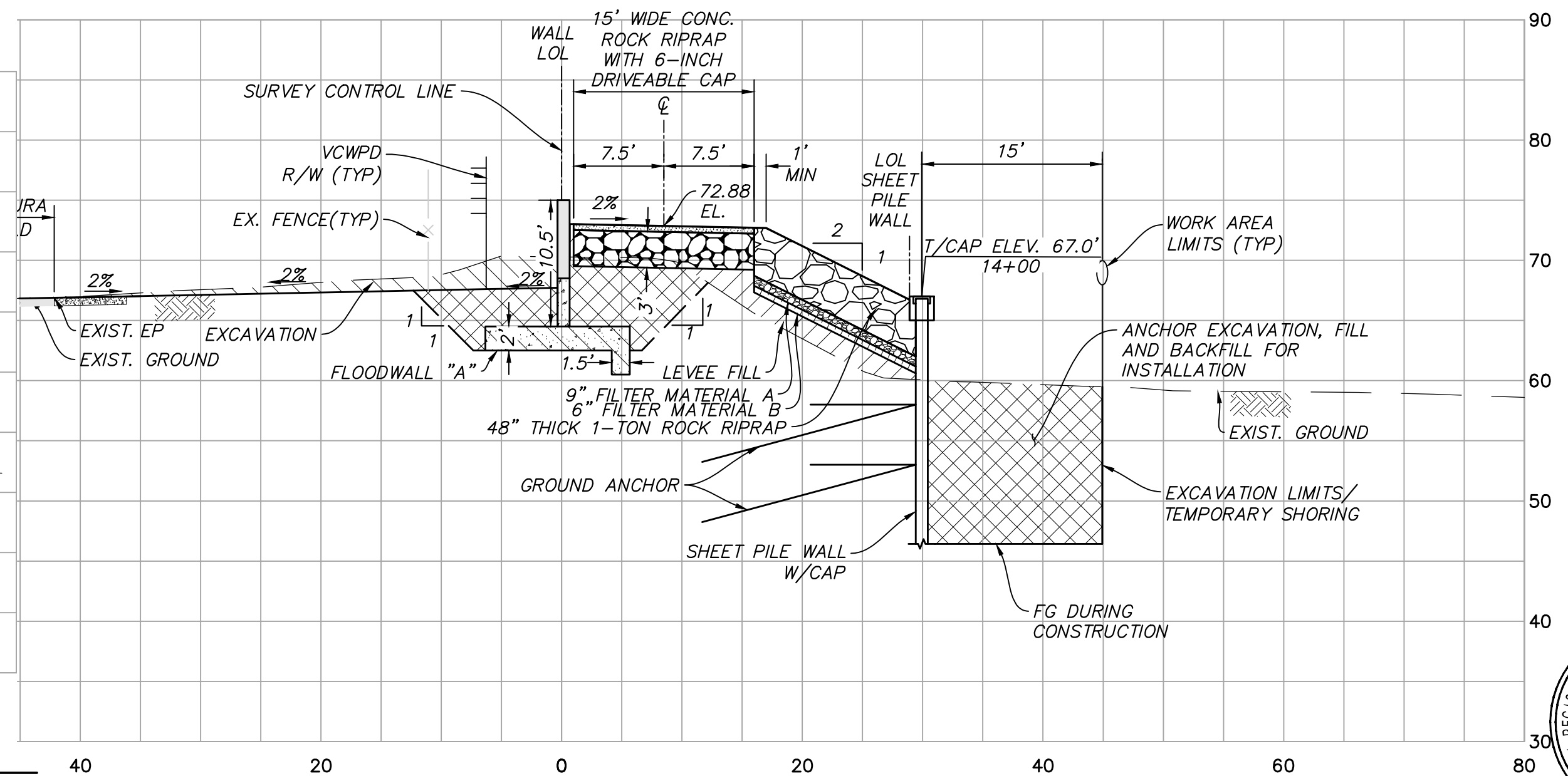
STA. 215+00
TYPICAL PAY SECTION



STA. 222+00



STA. 220+00



STA. 218+00

CROSS SECTIONS
SCALE: HORZ: 1" = 10'
VERT: 1" = 10'

SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVER\LEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-033\SHEET 34.DWG

D				
C				
B				
A				
△	REVISION	DESCRIPTION	APP.	DATE

Michael Baker International
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

8/1/2024
R.C.E.

DESIGNED	NZ	DATE	8/14/2024
DRAWN	NZ, EC	DATE	8/15/2024
CHECKED	AL	DATE	8/16/2024

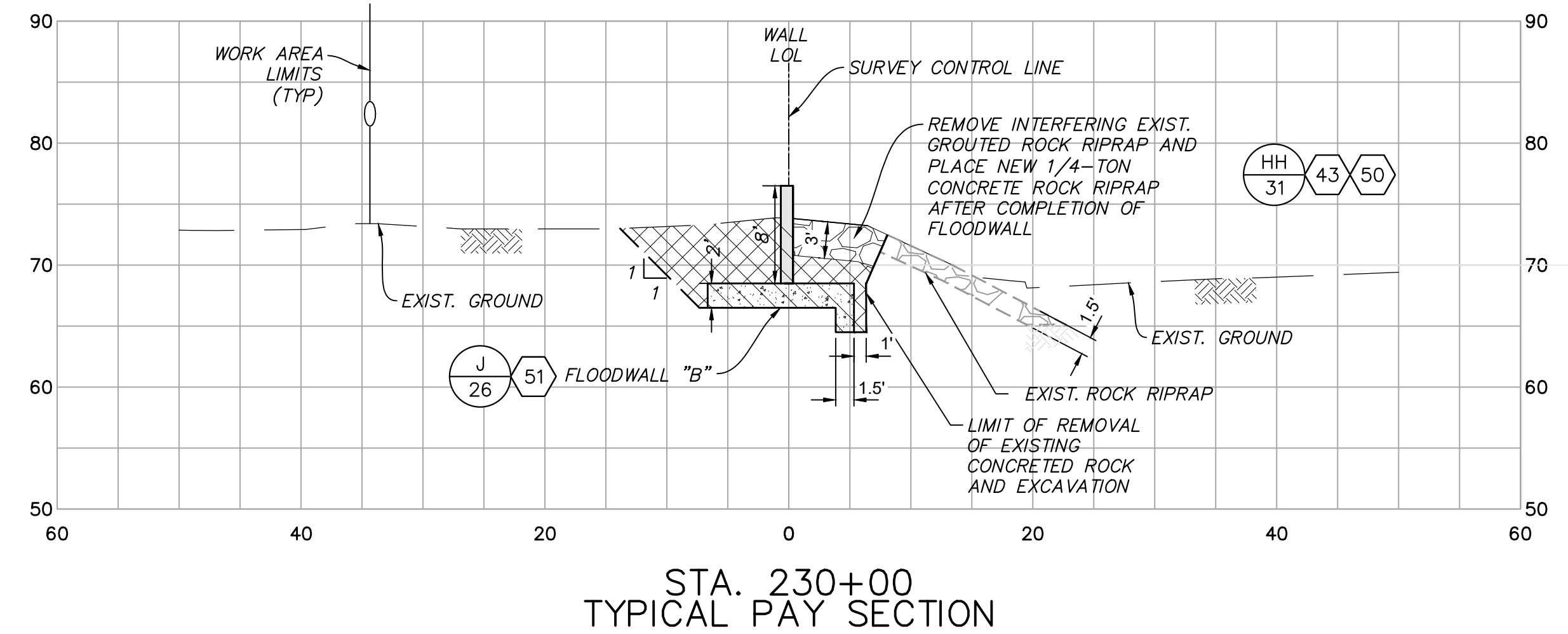
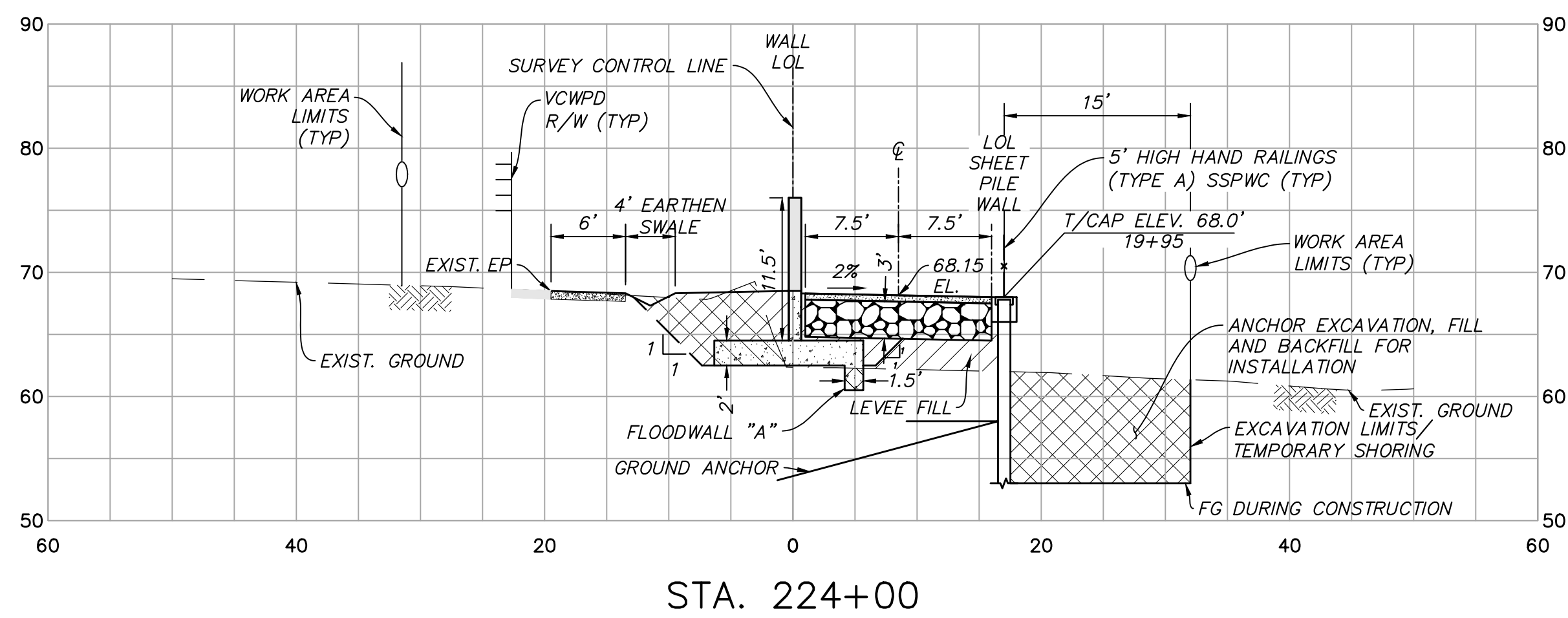
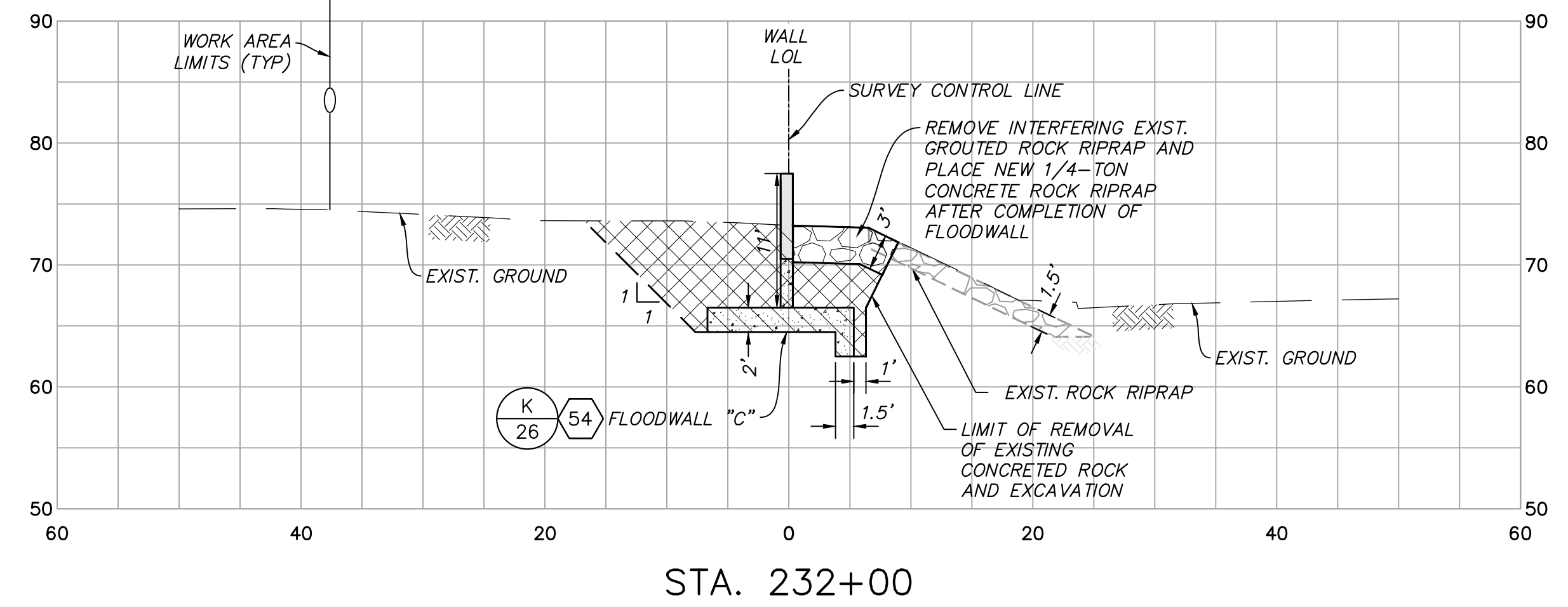
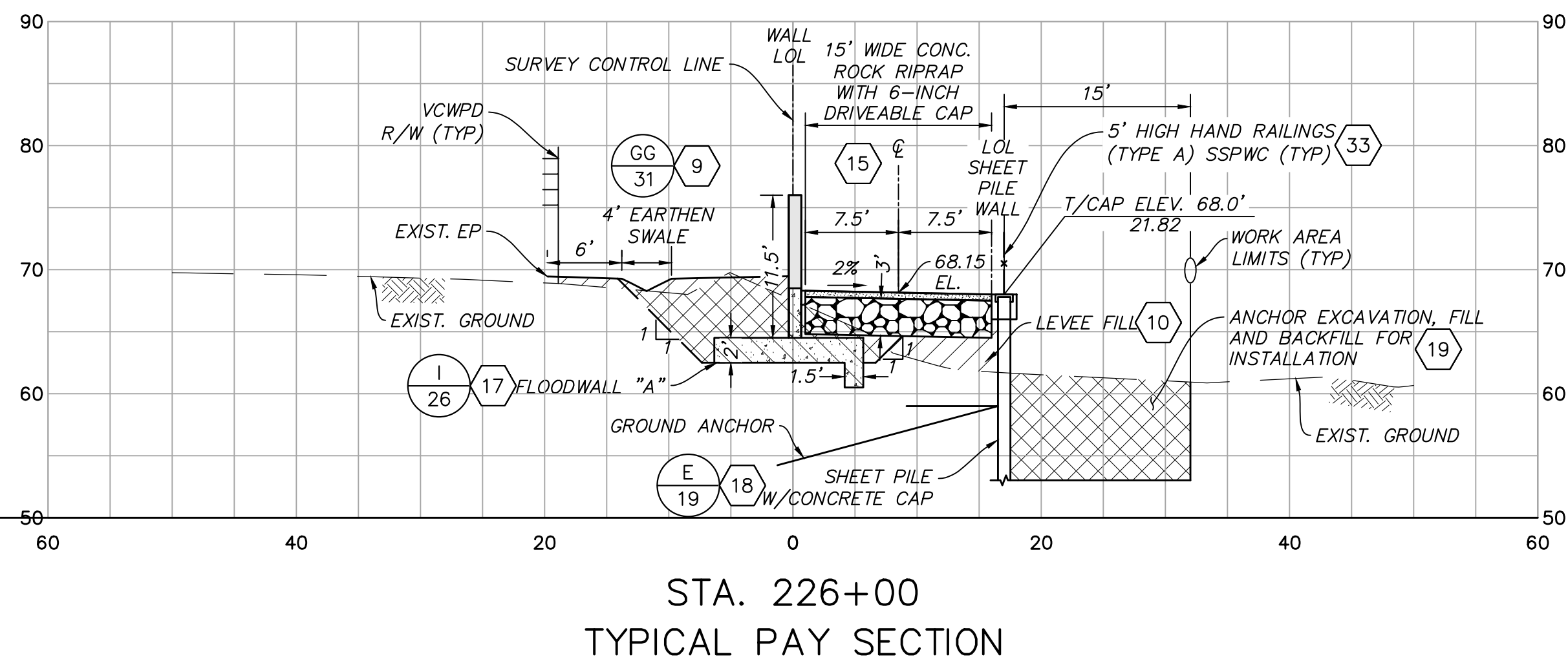
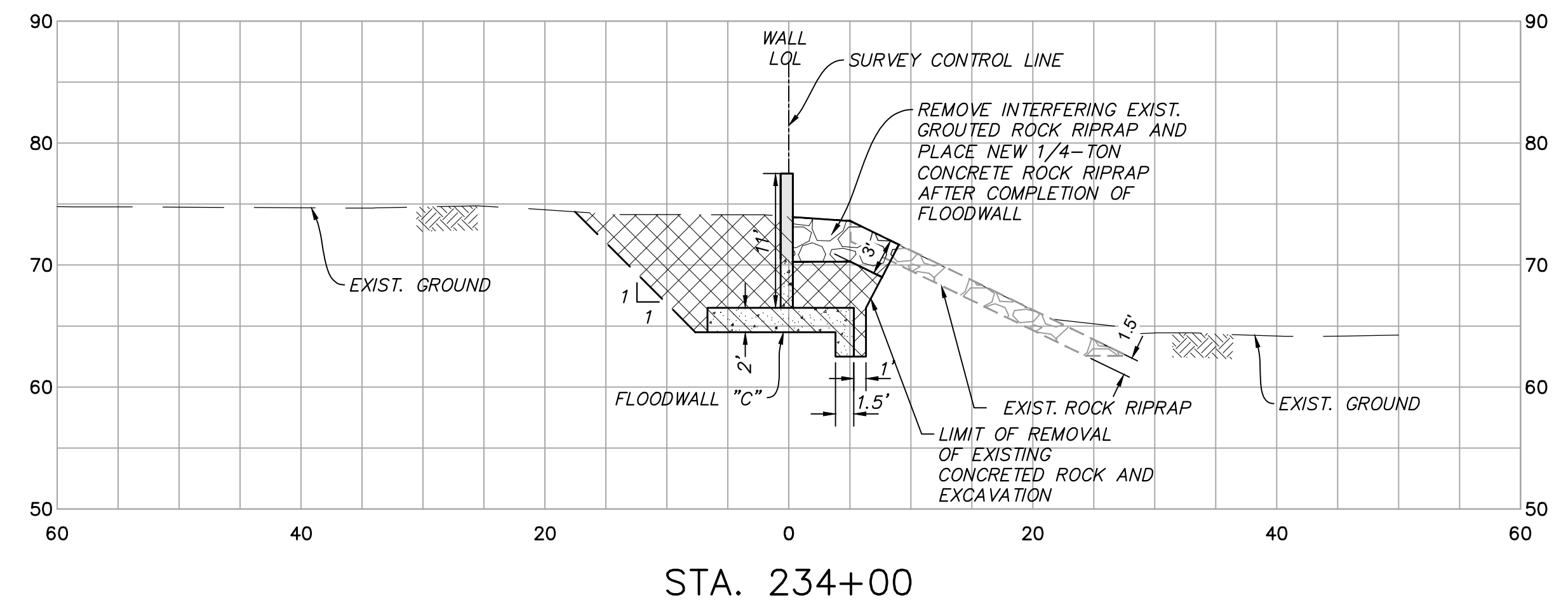
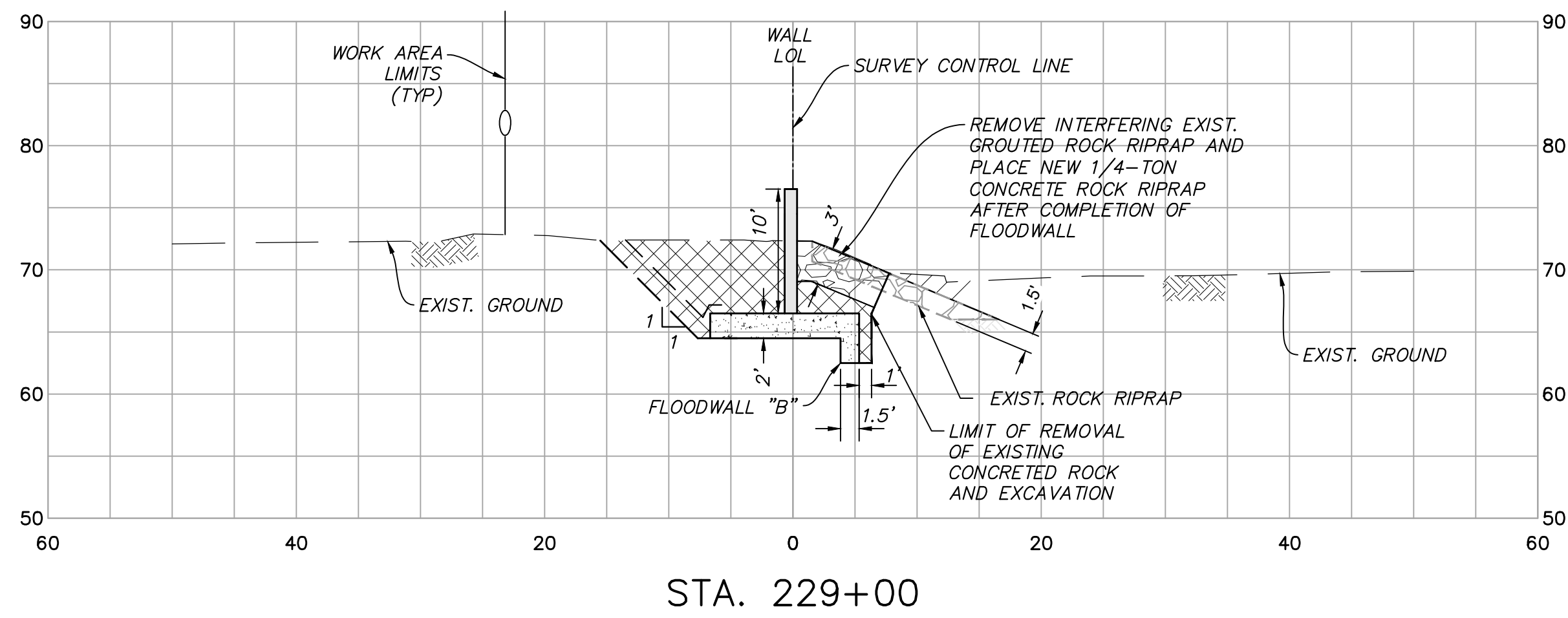
**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT**

SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
CROSS SECTIONS STA 215+00 TO STA STA 222+00



SHEET	34
OF	62
DRAWING NO.	WPD-2-388



NOTES:

- CONTRACTOR SHALL PROTECT THE EXISTING CONCRETED ROCK RIPRAP IN PLACE. DAMAGED OR REMOVED ROCK RIPRAP SHALL BE PLACED IN-KIND OR BETTER TO THE SATISFACTION OF THE ENGINEER.

CROSS SECTIONS

SCALE: HORZ: 1" = 10'
VERT: 1" = 10'



SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVERLEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-034\SHEET 35.DWG

D				
C				
B				
A				
△	REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

David Morris
R.C.E.
8/1/2024

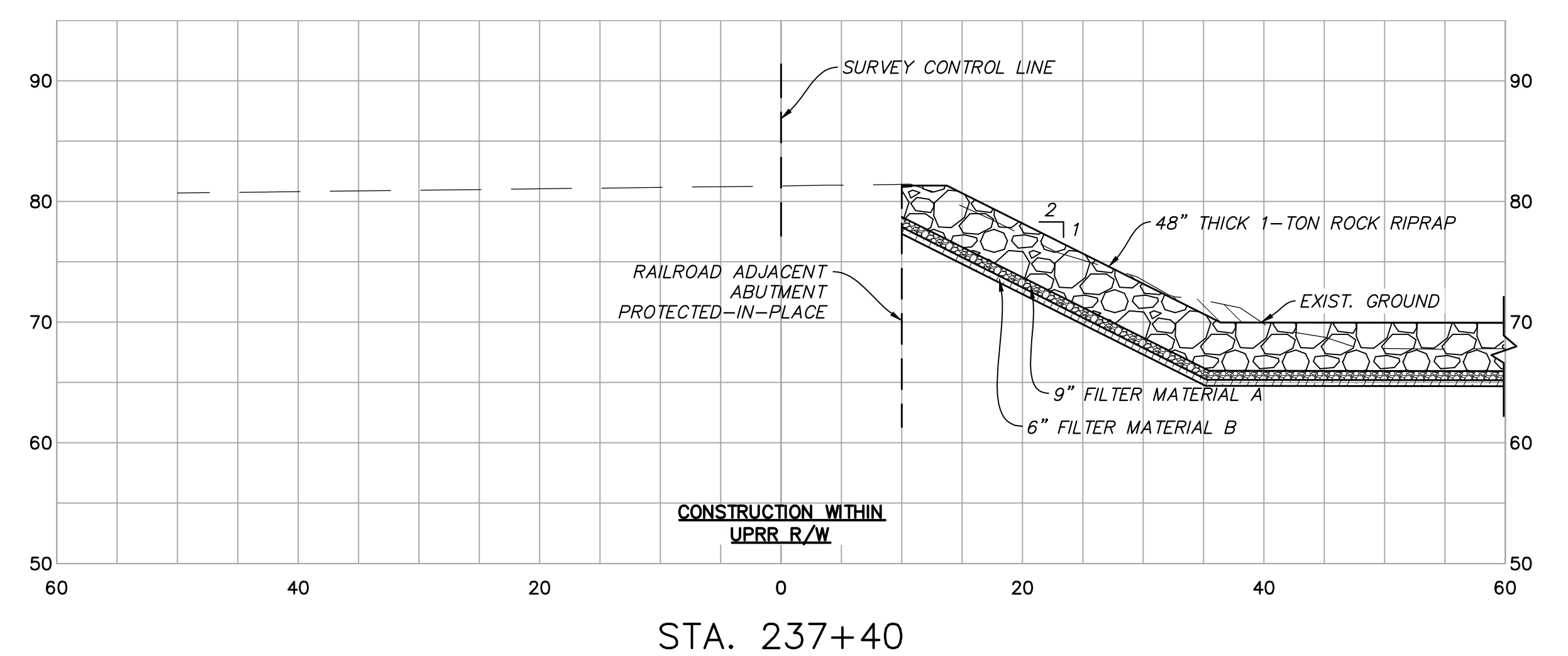
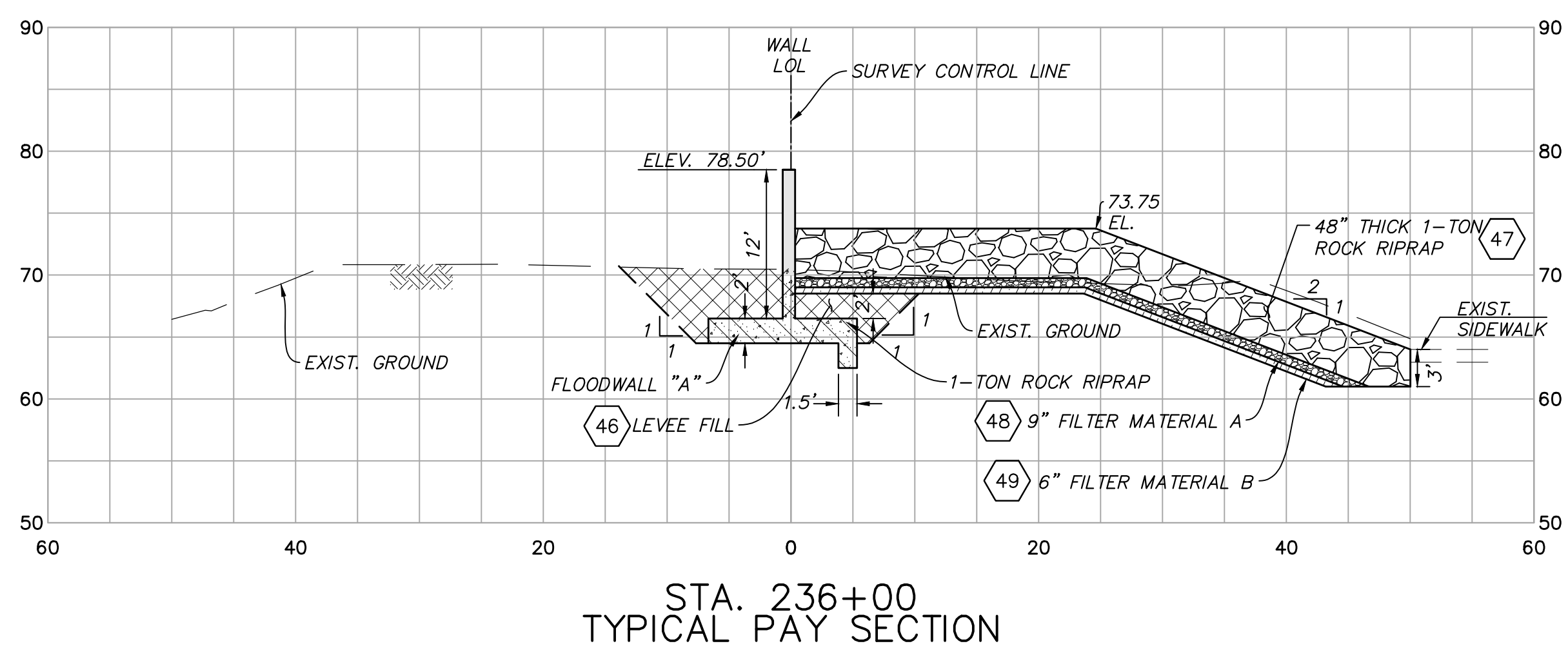
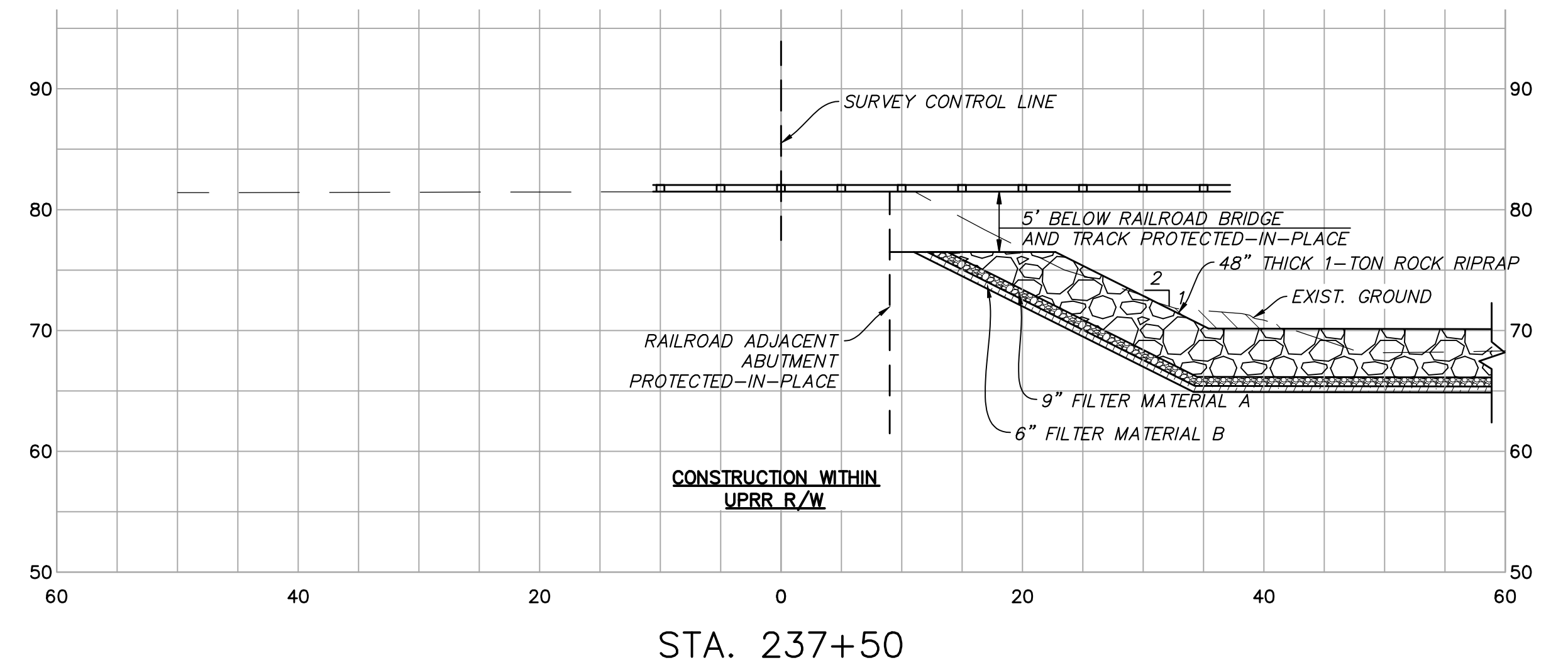
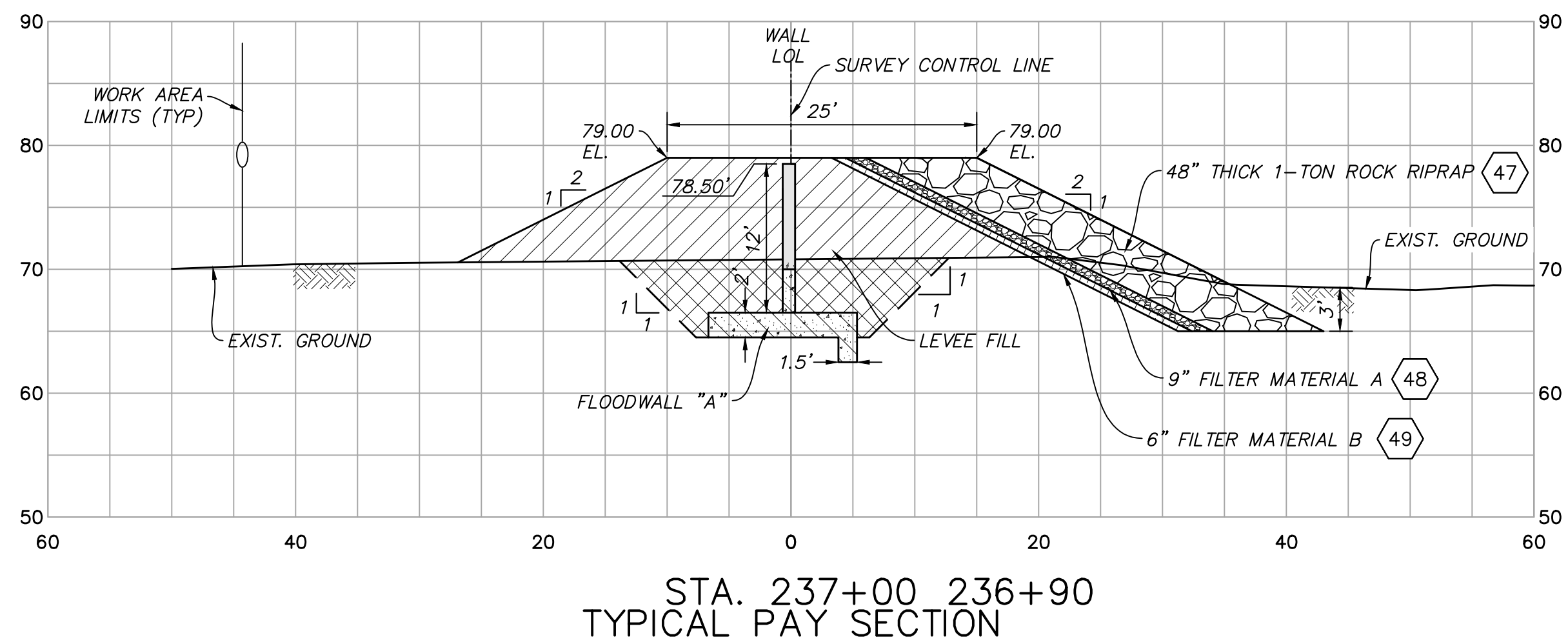
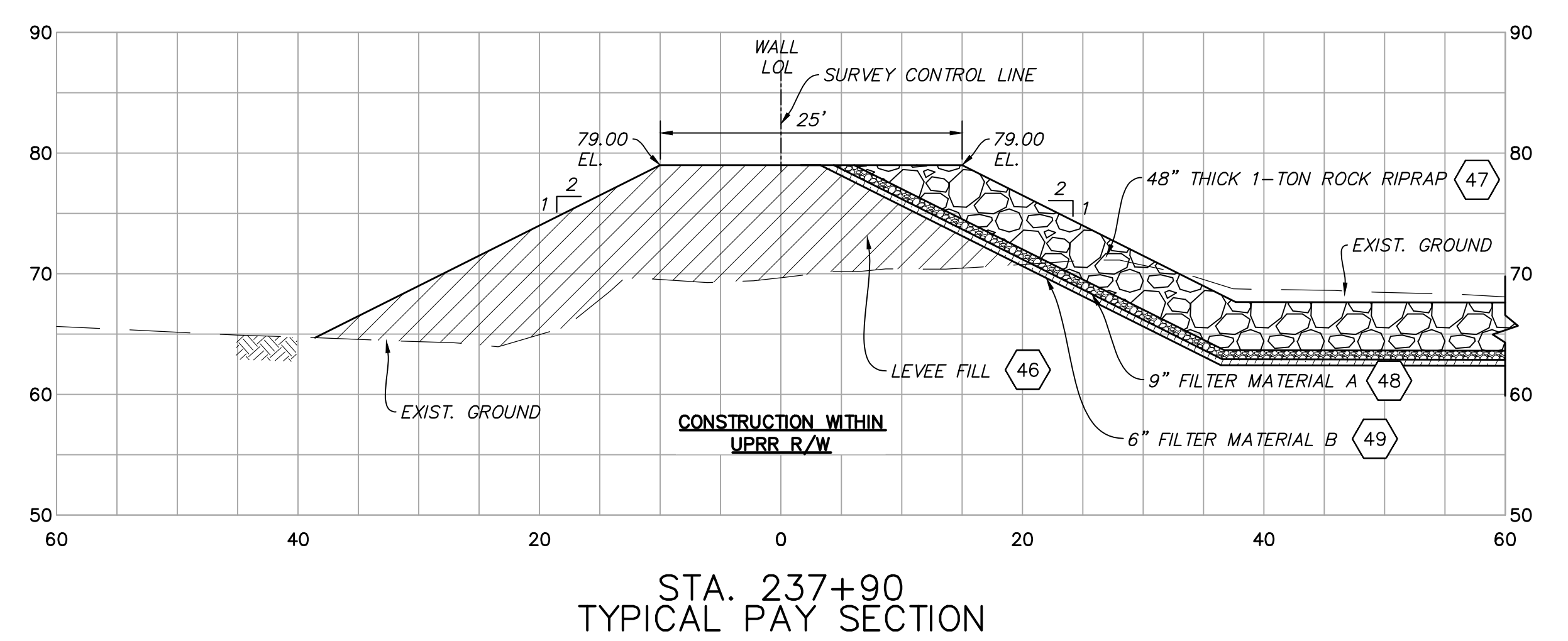
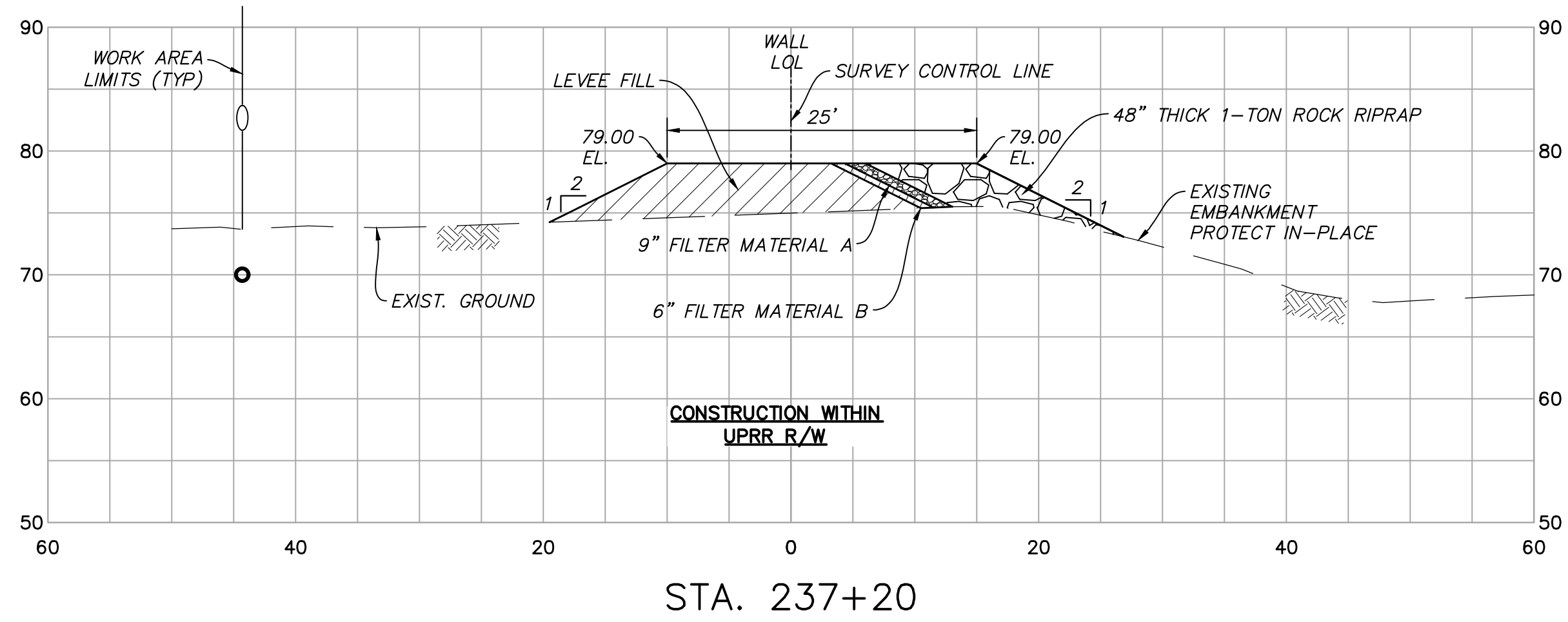
DESIGNED	NZ	DATE	8/14/2024
DRAWN	NZ, EC	DATE	8/15/2024
CHECKED	AL	DATE	8/16/2024

**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT**

SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
CROSS SECTIONS STA 224+00 TO STA STA 234+00**

SHEET	35
OF	62
DRAWING NO.	WPD-2-388



CROSS SECTIONS

SCALE: HORIZ: 1" = 10'
VERT: 1" = 10'



SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVER\LEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-035 SHEET 36.DWG

D				
C				
B				
A				
△	REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

David Moore
R.C.E.
8/1/2024

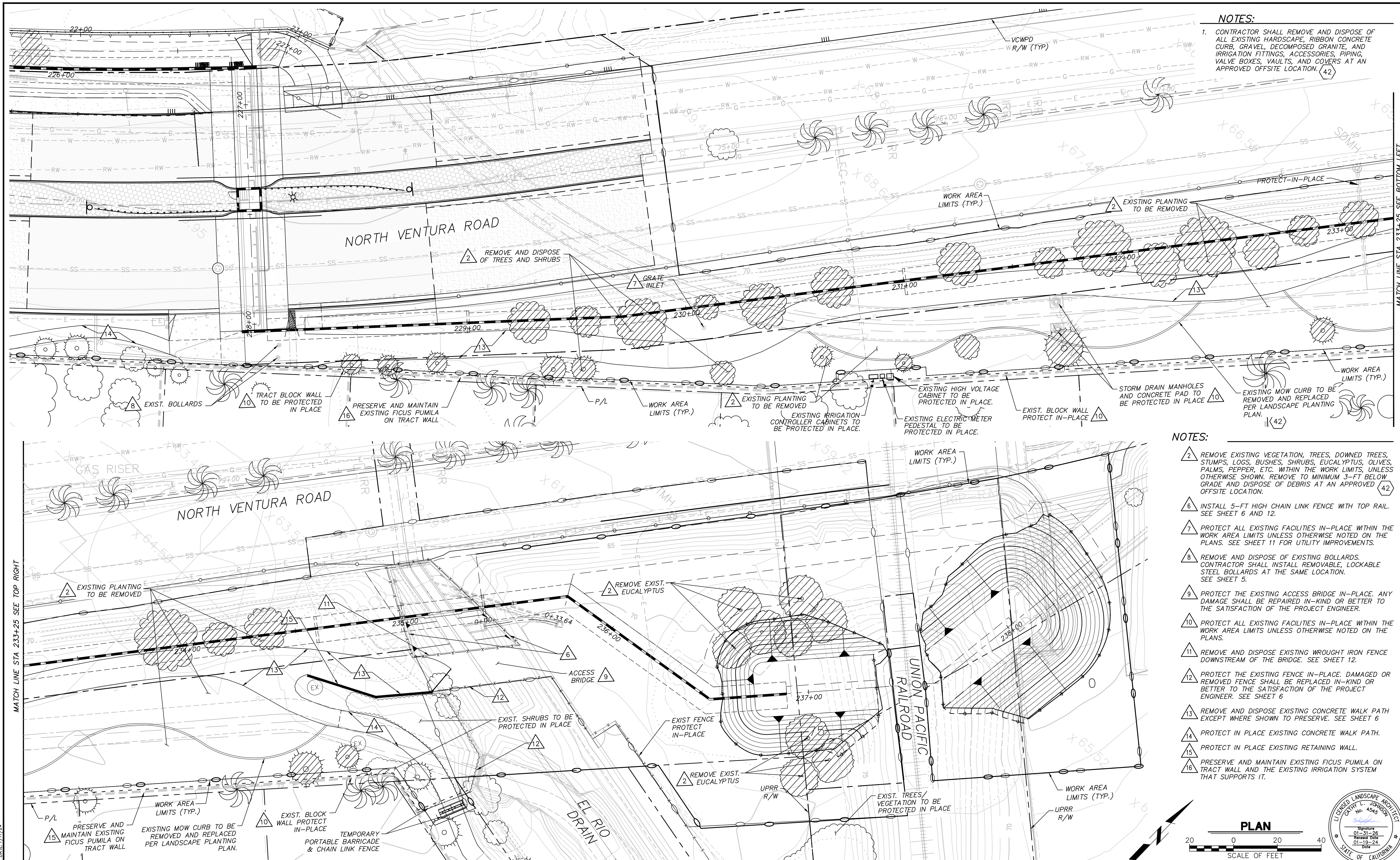
DESIGNED	NZ	DATE	8/14/2024
DRAWN	NZ, EC	DATE	8/15/2024
CHECKED	AL	DATE	8/16/2024

**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT**

SPEC. NO.	WP25-05
PROJ. NO.	82045

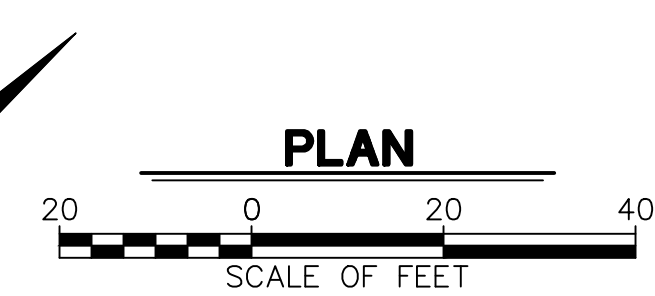
**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
CROSS SECTIONS STA 236+00 TO STA STA 237+00

SHEET	36
OF	62
DRAWING NO.	WPD-2-388



NOTES:
 1. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING HARDSCAPE, RIBBON CONCRETE CURB, GRAVEL, DECOMPOSED GRANITE, AND IRRIGATION FITTINGS, ACCESSORIES, PIPING, VALVE BOXES, VAULTS, AND COVERS AT AN APPROVED OFFSITE LOCATION. (42)

- NOTES:**
- 2 REMOVE EXISTING VEGETATION, TREES, DOWNED TREES, STUMPS, LOGS, BUSHES, SHRUBS, EUCALYPTUS, OLIVES, PALMS, PEPPER, ETC. WITHIN THE WORK LIMITS, UNLESS OTHERWISE SHOWN. REMOVE TO MINIMUM 3-FT BELOW GRADE AND DISPOSE OF DEBRIS AT AN APPROVED OFFSITE LOCATION. (42)
 - 6 INSTALL 5-FT HIGH CHAIN LINK FENCE WITH TOP RAIL. SEE SHEET 6 AND 12.
 - 7 PROTECT ALL EXISTING FACILITIES IN-PLACE WITHIN THE WORK AREA LIMITS UNLESS OTHERWISE NOTED ON THE PLANS. SEE SHEET 11 FOR UTILITY IMPROVEMENTS.
 - 8 REMOVE AND DISPOSE OF EXISTING BOLLARDS. CONTRACTOR SHALL INSTALL REMOVABLE, LOCKABLE STEEL BOLLARDS AT THE SAME LOCATION. SEE SHEET 5.
 - 9 PROTECT THE EXISTING ACCESS BRIDGE IN-PLACE. ANY DAMAGE SHALL BE REPAIRED IN-KIND OR BETTER TO THE SATISFACTION OF THE PROJECT ENGINEER.
 - 10 PROTECT ALL EXISTING FACILITIES IN-PLACE WITHIN THE WORK AREA LIMITS UNLESS OTHERWISE NOTED ON THE PLANS.
 - 11 REMOVE AND DISPOSE EXISTING WROUGHT IRON FENCE DOWNSTREAM OF THE BRIDGE. SEE SHEET 12.
 - 12 PROTECT THE EXISTING FENCE IN-PLACE. DAMAGED OR REMOVED FENCE SHALL BE REPLACED IN-KIND OR BETTER TO THE SATISFACTION OF THE PROJECT ENGINEER. SEE SHEET 6
 - 13 REMOVE AND DISPOSE EXISTING CONCRETE WALK PATH EXCEPT WHERE SHOWN TO PRESERVE. SEE SHEET 6
 - 14 PROTECT IN PLACE EXISTING CONCRETE WALK PATH.
 - 15 PROTECT IN PLACE EXISTING RETAINING WALL.
 - 16 PRESERVE AND MAINTAIN EXISTING FIGUS PUMILA ON TRACT WALL AND THE EXISTING IRRIGATION SYSTEM THAT SUPPORTS IT.



SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVER\LEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\136628 - SANTA CLARA RIVER_LARCH\6628-037-DM SHEET 37.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 MBAKERINTL.COM

8/1/2024
 R.C.E. DATE

DESIGNED	CJ	DATE	8/14/2024
DRAWN	CJ, EC	DATE	8/15/2024
CHECKED		DATE	8/16/2024

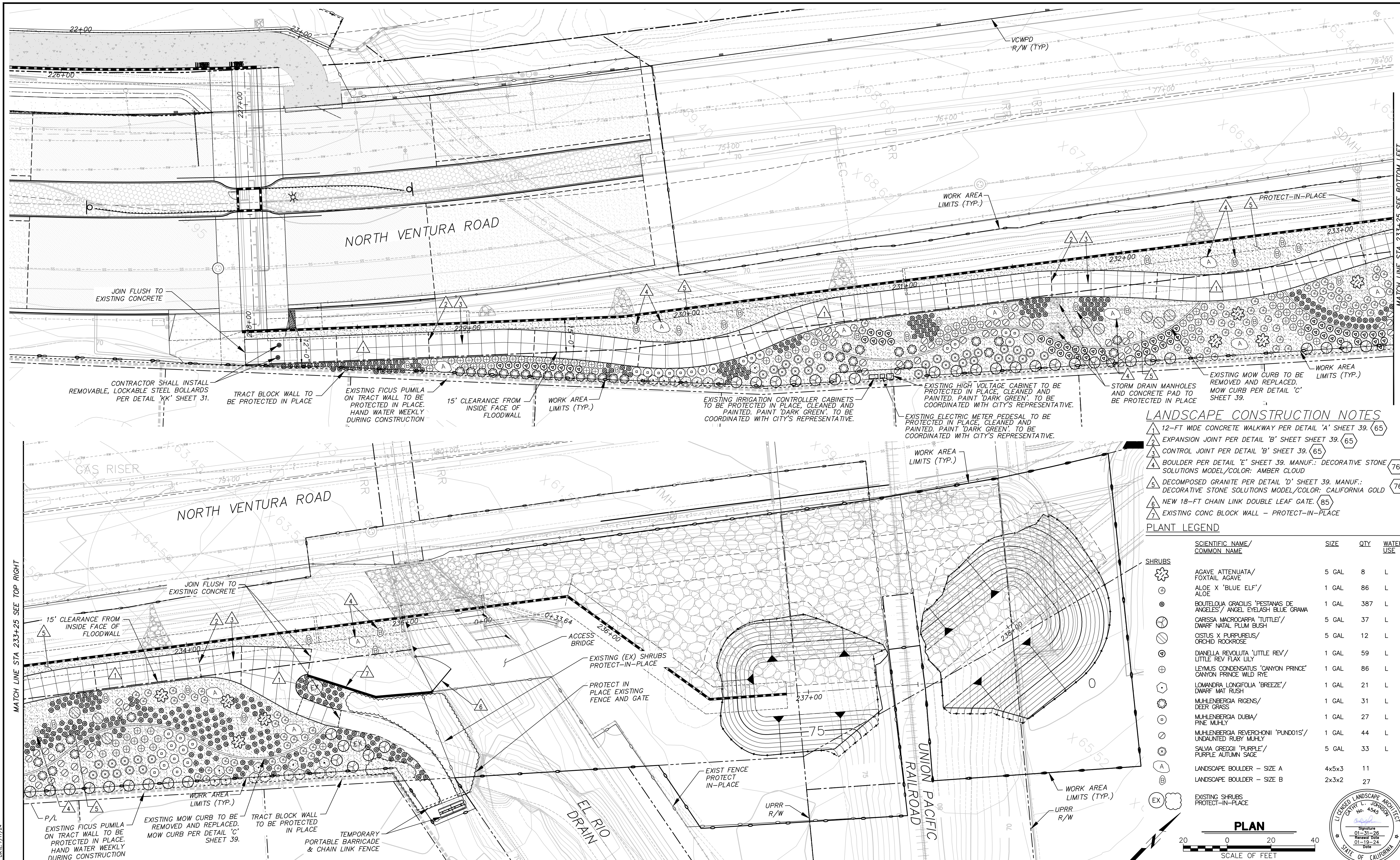
VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

WATERSHED PROJECT MANAGER
 WATERSHED DEPUTY DIRECTOR
 WATERSHED DIRECTOR

SPEC. NO.	WP25-05
PROJ. NO.	82045

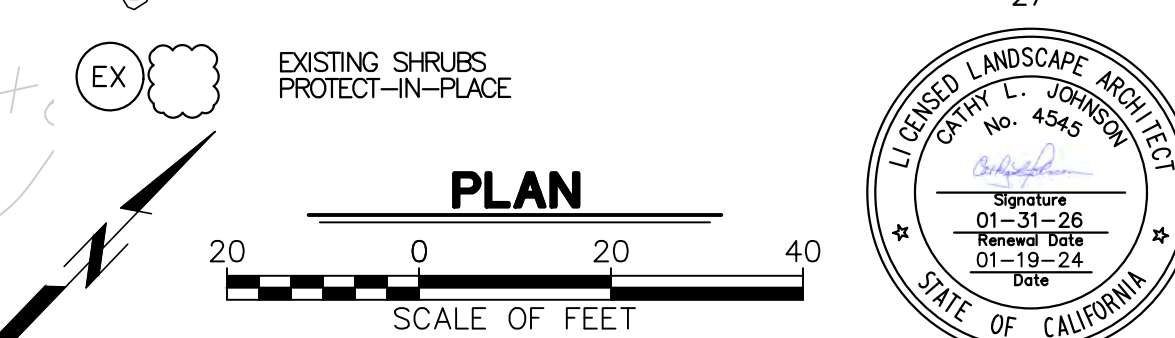
SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 LANDSCAPE DEMOLITION PLAN

SHEET	37
OF	62
DRAWING NO.	WPD-2-388



- LANDSCAPE CONSTRUCTION NOTES**
- 12-FT WIDE CONCRETE WALKWAY PER DETAIL 'A' SHEET 39. (65)
 - EXPANSION JOINT PER DETAIL 'B' SHEET 39. (65)
 - CONTROL JOINT PER DETAIL 'B' SHEET 39. (65)
 - BOULDER PER DETAIL 'E' SHEET 39. MANUF.: DECORATIVE STONE SOLUTIONS MODEL/COLOR: AMBER CLOUD (76)
 - DECOMPOSED GRANITE PER DETAIL 'D' SHEET 39. MANUF.: DECORATIVE STONE SOLUTIONS MODEL/COLOR: CALIFORNIA GOLD (76)
 - NEW 18-FT CHAIN LINK DOUBLE LEAF GATE. (85)
 - EXISTING CONC BLOCK WALL - PROTECT-IN-PLACE
- PLANT LEGEND**

SCIENTIFIC NAME/ COMMON NAME	SIZE	QTY	WATER USE
SHRUBS			
AGAVE ATTENUATA/ FOXTAIL AGAVE	5 GAL	8	L
ALOE X 'BLUE ELF'/ ALOE	1 GAL	86	L
BOUTELOUA GRACILIS 'PESTANAS DE ANGELES'/ ANGEL EYELASH BLUE GRAMA	1 GAL	387	L
CARISSA MACROCARPA 'TUTTLE'/ DWARF NATAL FLUM BUSH	5 GAL	37	L
OSTIS X PURPUREUS/ ORCHID ROCKROSE	5 GAL	12	L
DIANELLA REVOLUTA 'LITTLE REV'/ LITTLE REV FLAX LILY	1 GAL	59	L
LEYMUS CONDENSATUS 'CANYON PRINCE' CANYON PRINCE WILD RYE	1 GAL	86	L
LOMANDRA LONGIFOLIA 'BREEZE'/ DWARF MAT RUSH	1 GAL	21	L
MUHLENBERGIA RIGENS/ DEER GRASS	1 GAL	31	L
MUHLENBERGIA DUBA/ PINE MUHLY	1 GAL	27	L
MUHLENBERGIA REVERCHONII 'FUND01S'/ UNDAUNTED RUBY MUHLY	1 GAL	44	L
SALVA GREGGII 'PURPLE'/ PURPLE AUTUMN SAGE	5 GAL	33	L
LANDSCAPE BOULDER - SIZE A	4x5x3	11	
LANDSCAPE BOULDER - SIZE B	2x3x2	27	
EXISTING SHRUBS PROTECT-IN-PLACE			



SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVER\SCR-3_PHASE 2_06-20-2024\136628 - SANTA CLARA RIVER_LARCH\6628-038-PL1 SHEET 38.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 MBAKERINTL.COM

8/1/2024
 R.C.E. DATE

DESIGNED	CJ	8/14/2024
DRAWN	CJ, EC	8/15/2024
CHECKED		8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

WATERSHED PROJECT MANAGER
 WATERSHED DEPUTY DIRECTOR
 WATERSHED DIRECTOR

SPEC. NO.	WP25-05
PROJ. NO.	82045

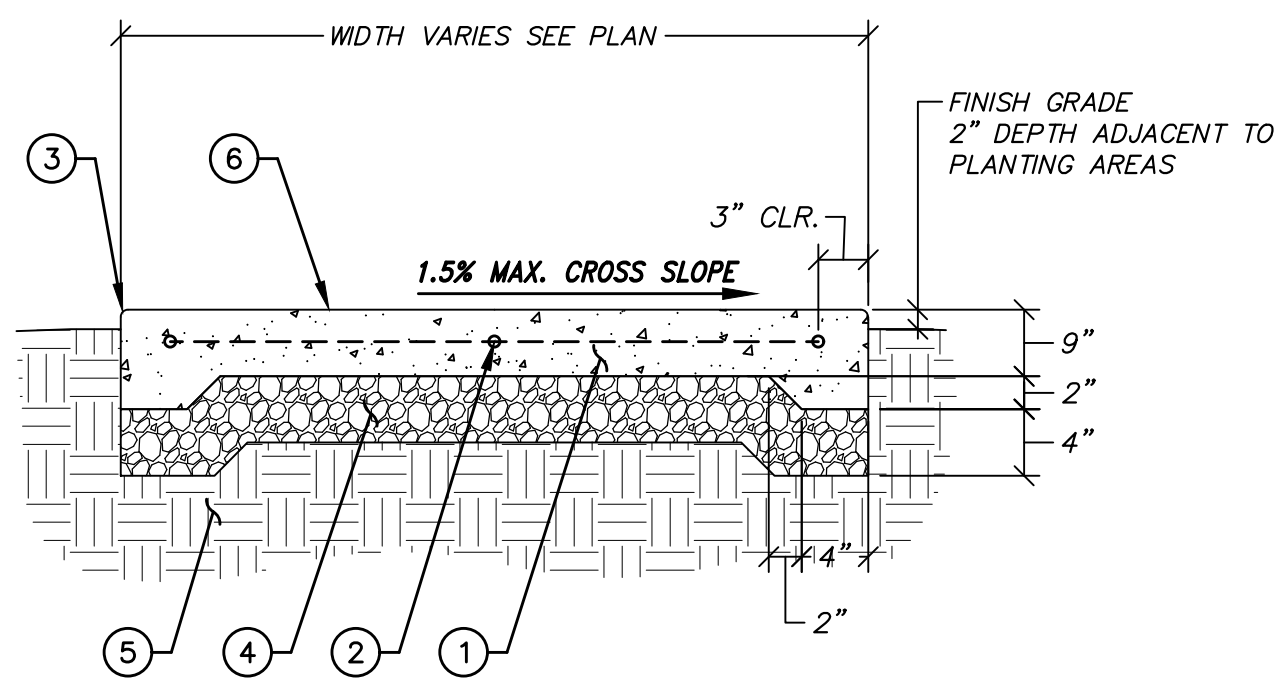
SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2

LANDSCAPE PLAN

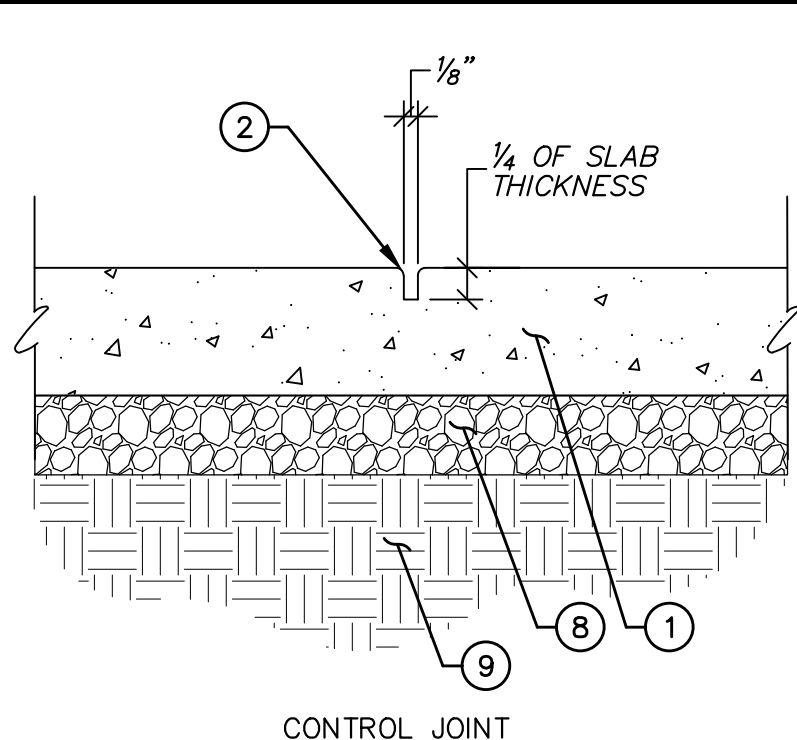
SHEET	38
OF	62
DRAWING NO.	WPD-2-388



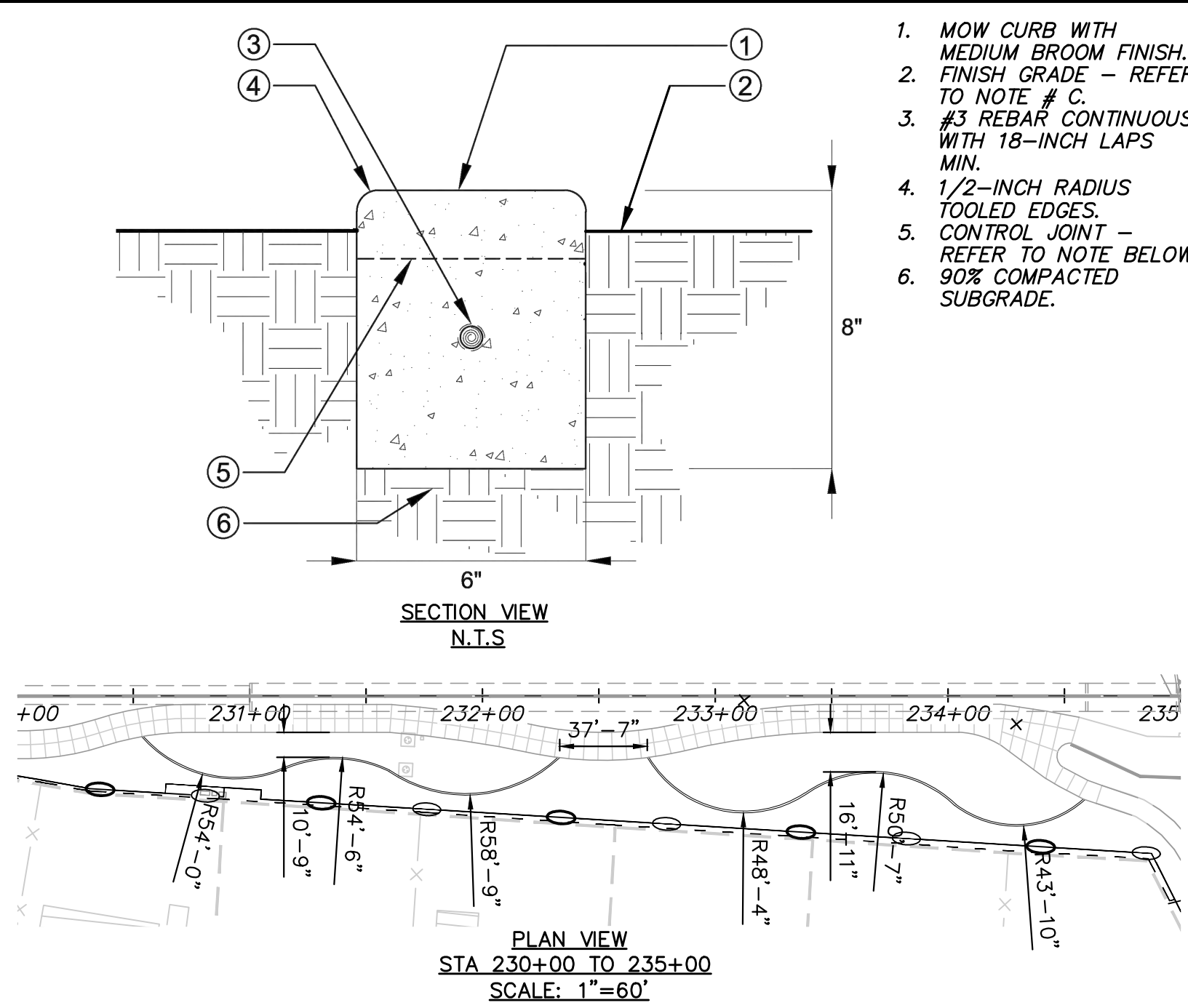
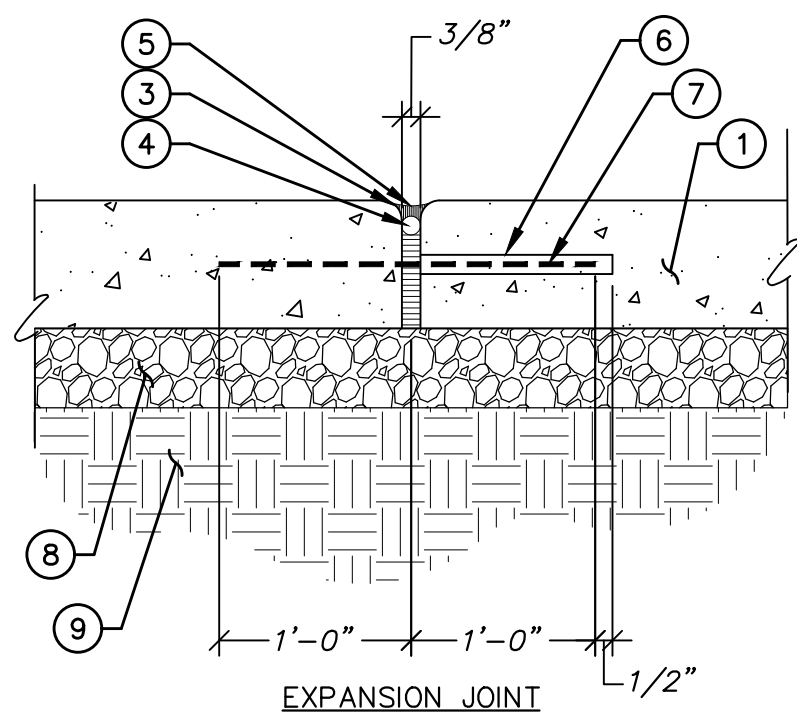
- 1 CONCRETE PAVING - COLOR AND FINISH PER PLANS AND SPECIFICATIONS. SHALL BE 560-C-3250.
- 2 #4 REBAR AT 12" O.C. EACH WAY CENTERED IN SLAB.
- 3 1/2" TOOLED RADIUS EDGE, BOTH SIDES.
- 4 CRUSHED AGGREGATE BASE 95% RELATIVE COMPACTION.
- 5 90% MOISTURE COMPACTED SUBGRADE.
- 6 FINISH GRADE.



- NOTES:
1. INSTALL EXPANSION JOINTS AND CONTROL JOINTS PER DETAIL 'B' THIS SHEET.

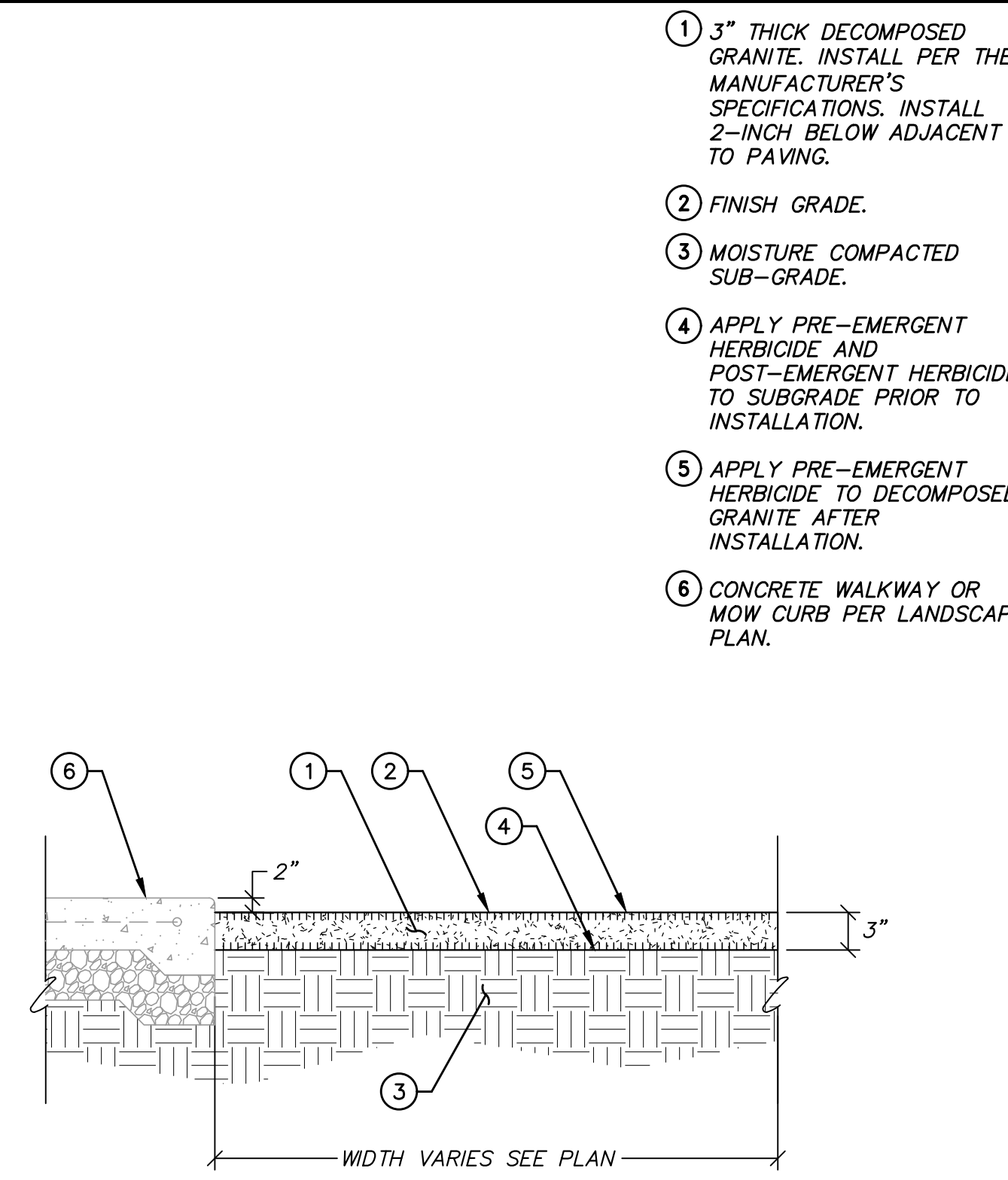


- 1 CONCRETE PAVING.
- 2 1/8" WIDE TOOLED JOINT WITH 1/4" RADIUS.
- 3 1/8" RADIUS TOOLED EXPANSION JOINT. 3/8" WIDE CONSISTING OF PRE-MOLDED JOINT FILLER. PLACED EVERY 10' INTERVALS. COLD JOINT PLACED EVERY 5' INTERVAL.
- 4 BACKER ROD.
- 5 EXPANSION JOINT SEALANT INSTALLED ABOVE BACKER ROD TO FILL WIDTH OF JOINT, 1/4" BELOW TOP OF CONCRETE. THICKNESS BETWEEN 1/4" AND 1/2".
- 6 PLASTIC SLEEVE ON ONE SIDE CENTERED IN SLAB TO CREATE SLIP-JOINT FOR #4 REBAR.
- 7 #4 REBAR AT 12" O.C. AT EXPANSION JOINTS.
- 8 CRUSHED AGGREGATE BASE PER PAVING DETAIL.
- 9 MOISTURE COMPACTED SUBGRADE PER PAVING DETAIL.



- NOTES:
A. WEAKENED PLANE JOINT - 10 FEET O.C. MAXIMUM. CUT CONCRETE WITH TROWEL EDGE TO DEPTH OF REBAR. TOOL FINISH JOINT USING GROOVER WITH 1.5-INCH DEEP BIT.
B. ISOLATION / EXPANSION JOINT - PLACE AT ENDS OF MOW CURB ABUTTING OTHER IMPROVEMENTS (TYP.).
C. FINISH GRADE SHALL BE 2 INCHES IN PLANTING AREAS (BELOW TOP OF MOW CURB).
D. CONCRETE SHALL BE CLASS 560-C-3250.

- 1 MOW CURB WITH MEDIUM BROOM FINISH.
- 2 FINISH GRADE - REFER TO NOTE # C.
- 3 #3 REBAR CONTINUOUS WITH 18-INCH LAPS MIN.
- 4 1/2-INCH RADIUS TOOLED EDGES.
- 5 CONTROL JOINT - REFER TO NOTE BELOW.
- 6 90% COMPACTED SUBGRADE.



- 1 3" THICK DECOMPOSED GRANITE. INSTALL PER THE MANUFACTURER'S SPECIFICATIONS. INSTALL 2-INCH BELOW ADJACENT TO PAVING.
- 2 FINISH GRADE.
- 3 MOISTURE COMPACTED SUB-GRADE.
- 4 APPLY PRE-EMERGENT HERBICIDE AND POST-EMERGENT HERBICIDE TO SUBGRADE PRIOR TO INSTALLATION.
- 5 APPLY PRE-EMERGENT HERBICIDE TO DECOMPOSED GRANITE AFTER INSTALLATION.
- 6 CONCRETE WALKWAY OR MOW CURB PER LANDSCAPE PLAN.

A CONCRETE PAVING

N.T.S.

B CONCRETE JOINTS

N.T.S.

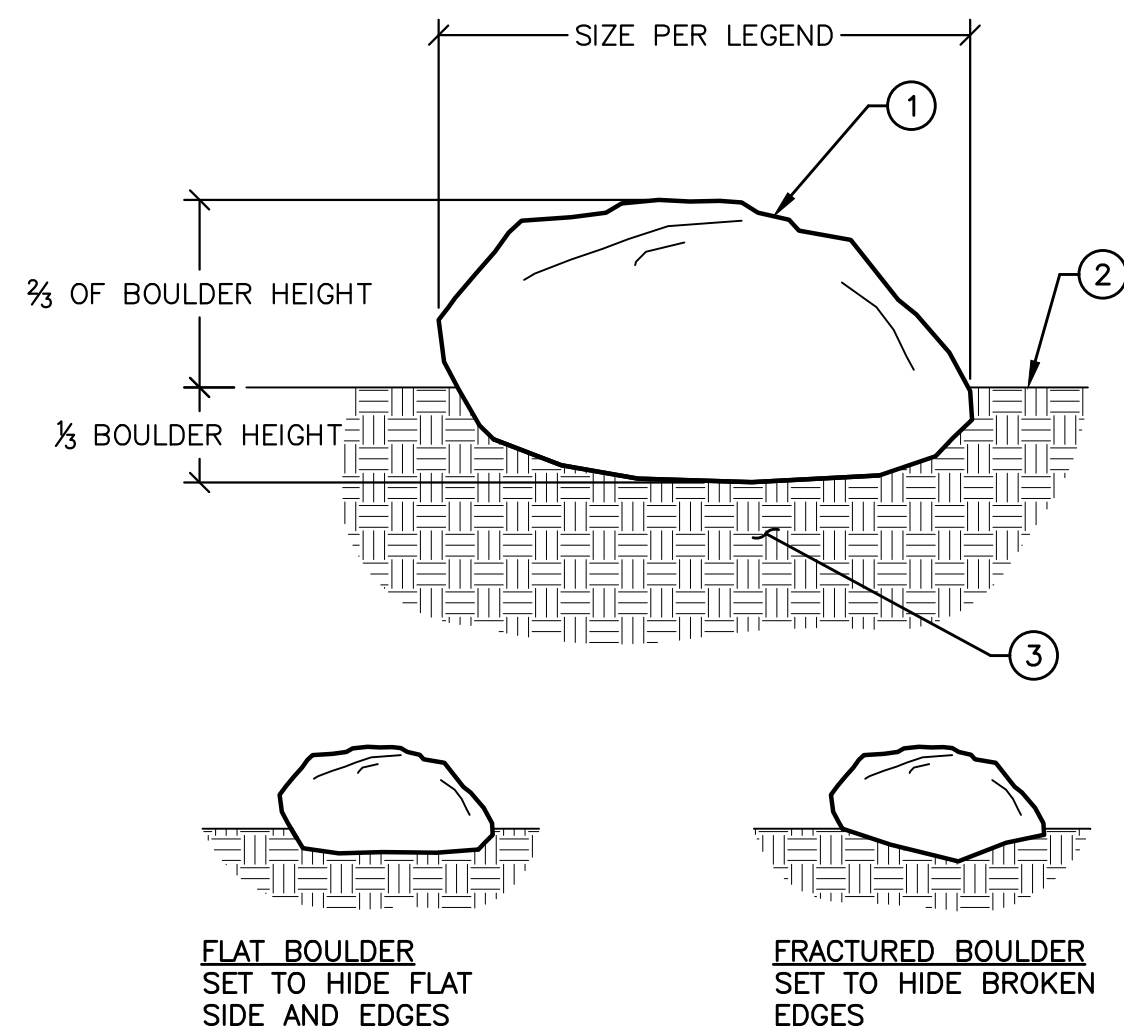
C CONCRETE MOW CURB

N.T.S.

D DECOMPOSED GRANITE

N.T.S.

- 1 LANDSCAPE BOULDER PER THE LANDSCAPE PLAN AND SPECIFICATIONS.
- 2 FINISH GRADE.
- 3 90% MOISTURE COMPACTED SUBGRADE BELOW BOULDER LOCATIONS.



- NOTES:
1. BOULDERS SHALL NOT BE EVENLY SPACED APART AND SHALL BE GROUPED AS SHOWN ON THE LANDSCAPE PLAN TO APPEAR NATURAL IN THE LANDSCAPE.
2. THE BOULDER LOCATIONS AND PLACEMENT SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT OR DISTRICT'S RESIDENT ENGINEER PRIOR TO PLACEMENT.

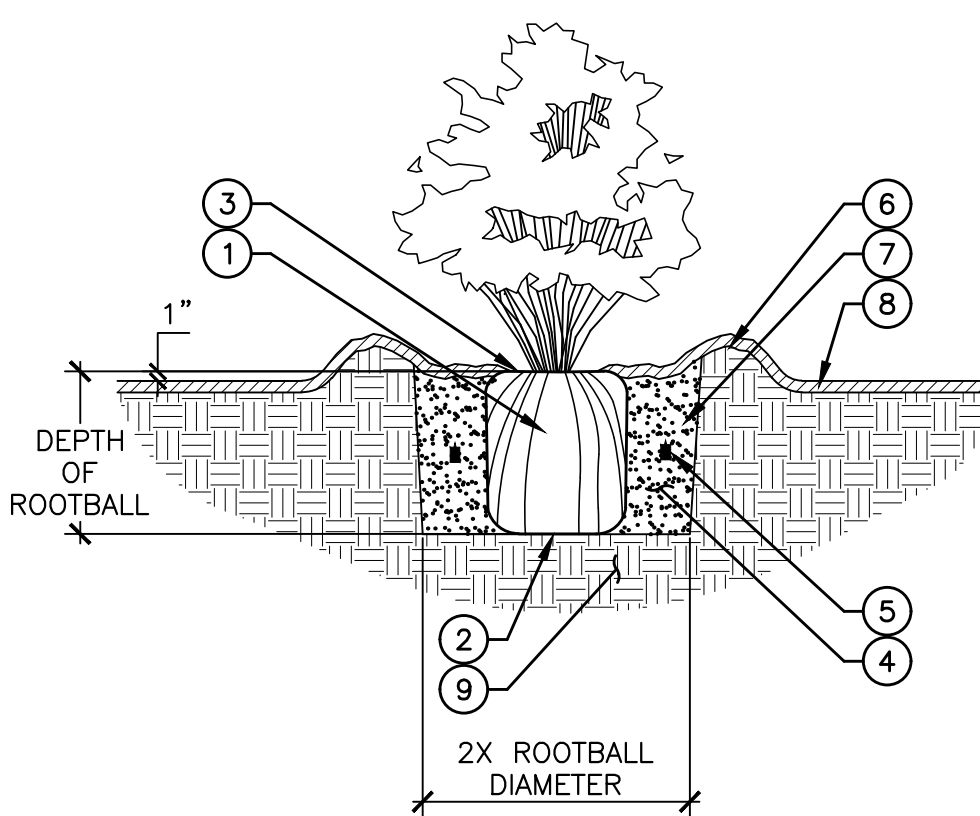
E LANDSCAPE BOULDERS

N.T.S.

F SHRUB PLANTING

N.T.S.

- 1 SHRUB ROOTBALL.
- 2 DIG PLANTING PIT TWO TIMES THE DIAMETER AND ONE TIMES THE DEPTH OF THE ROOTBALL. SCARIFY SIDES OF PLANT PIT.
- 3 SET THE ROOTBALL IN THE PLANTING PIT SO THAT ROOT CROWN IS 1" ABOVE FINISH GRADE.
- 4 PLACE BACKFILL MATERIAL PER THE SPECIFICATIONS, TAMPING AND SETTLING AROUND ROOTBALL.
- 5 FERTILIZER TABLETS PER THE SPECIFICATIONS.
- 6 CREATE 4" HIGH IRRIGATION BASIN AT THE EDGE OF THE PLANTING PIT.
- 7 IRRIGATE WITH HOSE TO SETTLE BACKFILL AND BERM, FILLING BASIN. TAMP TO REMOVE AIR POCKETS AND ADD ADDITIONAL BACKFILL AS NECESSARY.
- 8 IN ALL PLANTING AREAS, INSTALL 3" LAYER OF DECOMPOSED GRANITE MULCH PER THE SPECIFICATIONS. INSTALL 3" AWAY FROM PLANT CENTER.
- 9 EXISTING SUBGRADE.



AGRONOMIC SOILS REPORT NOTE:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ONE (1) AGRONOMIC SOILS TESTS AND INSTALL PLANT MATERIAL PER REPORT AND SOIL RECOMMENDATIONS. (76)

PLANTING NOTES

1. PLANTING WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION "GREEN BOOK" LATEST EDITION (A COPY SHALL BE KEPT ON THE SITE AT ALL TIMES) AND THE SPECIFICATION SPECIAL PROVISIONS.
2. PLANT QUANTITIES ARE SHOWN FOR CONTRACTOR'S CONVENIENCE IN ESTIMATING ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE PLANT MATERIAL FOR EACH SYMBOL SHOWN ON THE PLANTING PLAN. (76)
3. ALL WORK SHALL BE SUBJECT TO THE DISTRICT'S RESIDENT ENGINEER'S ACCEPTANCE AS A CONDITION OF COMPLETION OF WORK BY THE CONTRACTOR.
4. THE PLANTING PLAN IS DIAGRAMMATIC. MINOR ADJUSTMENTS IN PLANT LOCATIONS MAY BE MADE AT THE DISCRETION OF THE DISTRICT'S RESIDENT ENGINEER.
5. ALL PLANT MATERIAL SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE DISTRICT'S RESIDENT ENGINEER PRIOR TO INSTALLATION. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
6. ALL NURSERY TYING MATERIAL AND MARKING TAPES SHALL BE REMOVED AT THE TIME OF PLANTING. (76)
7. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS OF ALL EXISTING UTILITIES, SITE CONDITIONS, STRUCTURES, PROPERTY LINES, AND SERVICES BEFORE COMMENCING WORK TO ENSURE THAT THERE IS NO DAMAGE DURING CONSTRUCTION. THE LOCATIONS OF THESE CONDITIONS SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE DISTRICT'S RESIDENT ENGINEER. THE CONTRACTOR IS RESPONSIBLE TO REPAIR AND REPLACE ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION WITH NO ADDITIONAL COST TO THE OWNER.
8. PLANT MATERIAL LOCATED ADJACENT TO ANY LIGHT STANDARDS, UTILITY EQUIPMENT, DRIVEWAYS, ETC. SHALL BE ADJUSTED TO MAINTAIN A SUITABLE CLEARANCE AS APPROVED BY THE DISTRICT'S RESIDENT ENGINEER. TREES SHALL NOT BE INSTALLED OVER UNDERGROUND UTILITIES.
9. ALL PLANTING AREAS SHALL HAVE A 3" LAYER OF DECOMPOSED GRANITE MULCH PER THE SPECIFICATIONS. (76)
10. SEE THE SPECIFICATION SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

DATE: 7/11/24

SAVE DATE: 7/11/24 106664 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVER\SC3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\136628 - SANTA CLARA RIVER_LARCH\6628-039-P01 SHEET 39.DWG

REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

8/1/2024
R.C.E. DATE

DESIGNED	CJ	DATE	8/14/2024
DRAWN	CJ, EC	DATE	8/15/2024
CHECKED	--	DATE	8/16/2024

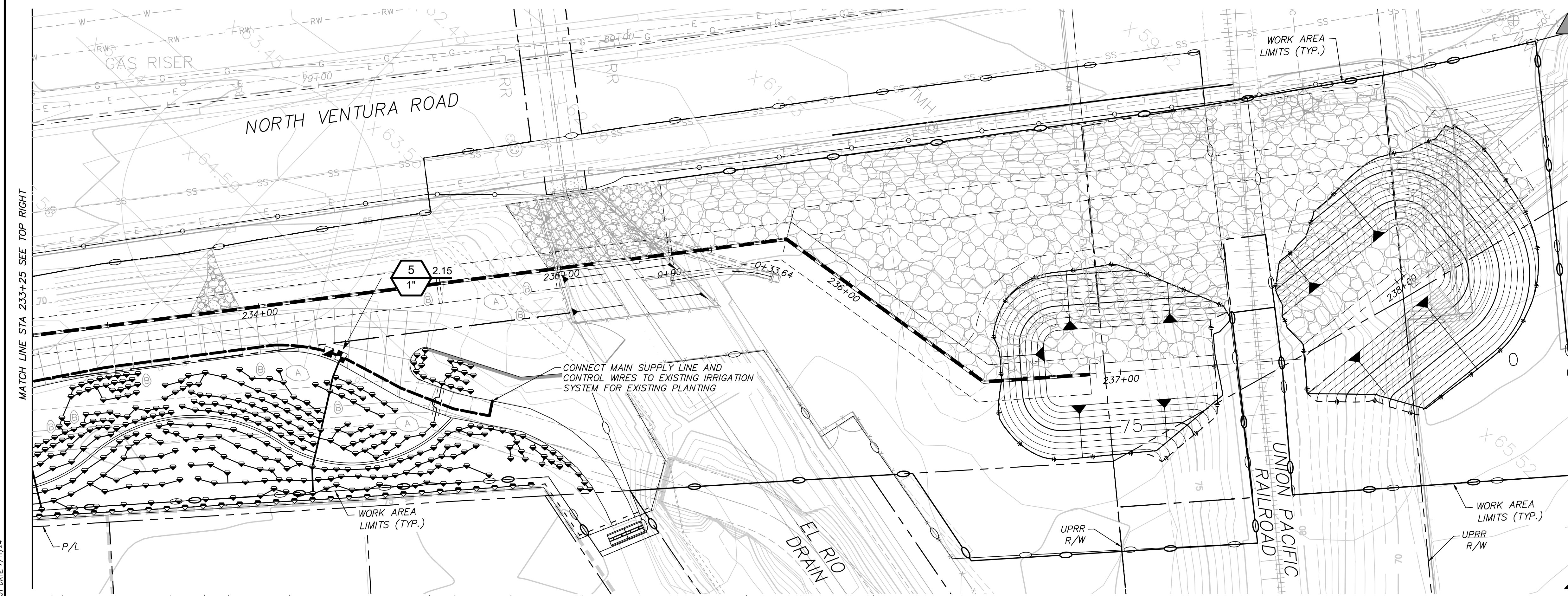
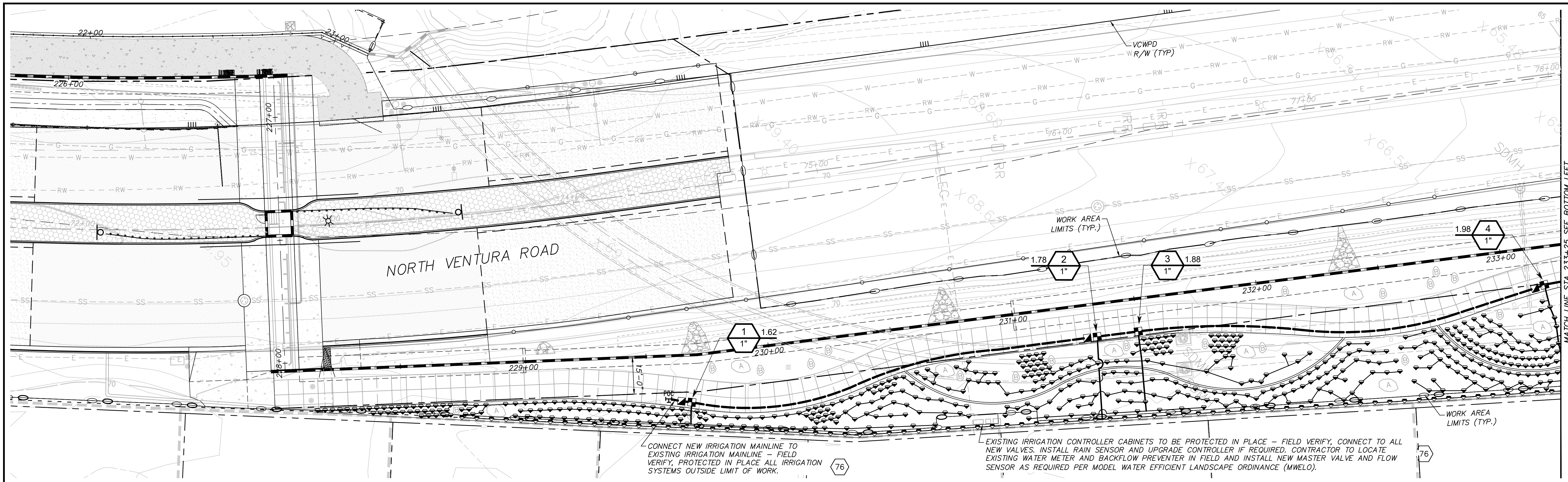
**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION**

SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
PLANTING NOTES AND DETAILS

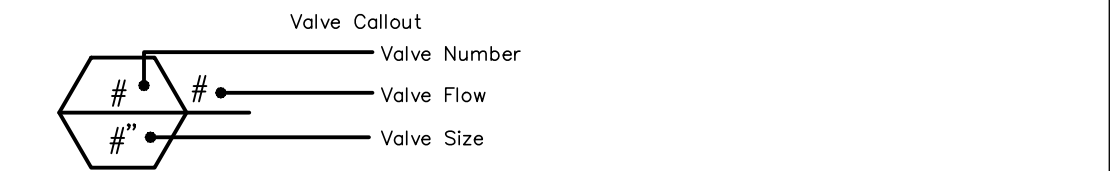


SHEET	39
OF	62
DRAWING NO.	WPD-2-388

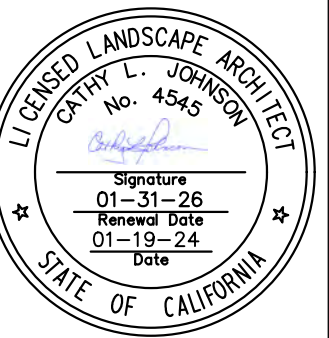
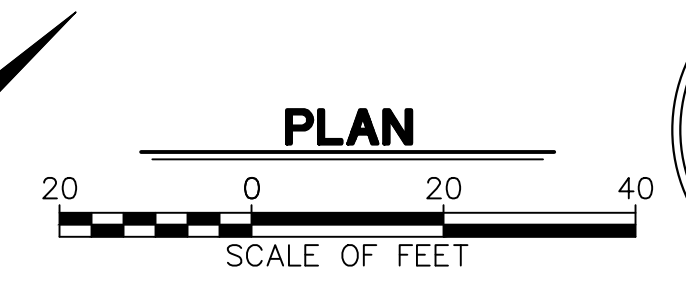


IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD XCZ-100-PRB-COM 1" WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1IN. BALL VALVE WITH 1IN. PESB VALVE AND 1IN. PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3 GPM-20 GPM
	TORO T-DPC-DC DPC02 SINGLE OUTLET EMITTER. SELF-FLUSHING, PRESSURE COMPENSATING, WITH COLOR-CODED DUST CAP. 1.0 GPH=BLACK. INSTALL ONE EMITTER PER EACH NEW SHRUB AND ONE EMITTER PER EACH EXISTING VINE WITHIN THE LIMIT OF WORK.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD 33-DLRC 3/4" 3/4IN. BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, DOUBLE TRACK KEY LUG, AND 2-PIECE BODY.
	POINT OF CONNECTION - EXISTING IRRIGATION MAINLINE - FIELD VERIFY, PROTECT IN PLACE
	IRRIGATION LATERAL LINE: 3/4" PVC SCHEDULE 40
	IRRIGATION LATERAL LINE: TORO-BLUE STRIPE POLY HOSE 3/4"
	IRRIGATION MAINLINE: PVC SCHEDULE 40 - SIZE TO MATCH EXISTING.
	PIPE SLEEVE: PVC SCHEDULE 40, 2X PIPE SLEEVED



SEE SHEET 41 FOR IRRIGATION NOTES AND DETAILS



SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\B2045_SANTACLARARIVERLEVEE_SCR3_PH2_DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\136628 - SANTA CLARA RIVER_LARCH\6628-040-IR1 SHEET 40.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 MBAKERINTL.COM

8/1/2024
 R.C.E. DATE

DESIGNED	CJ	DATE	8/14/2024
DRAWN	CJ, EC	DATE	8/15/2024
CHECKED		DATE	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

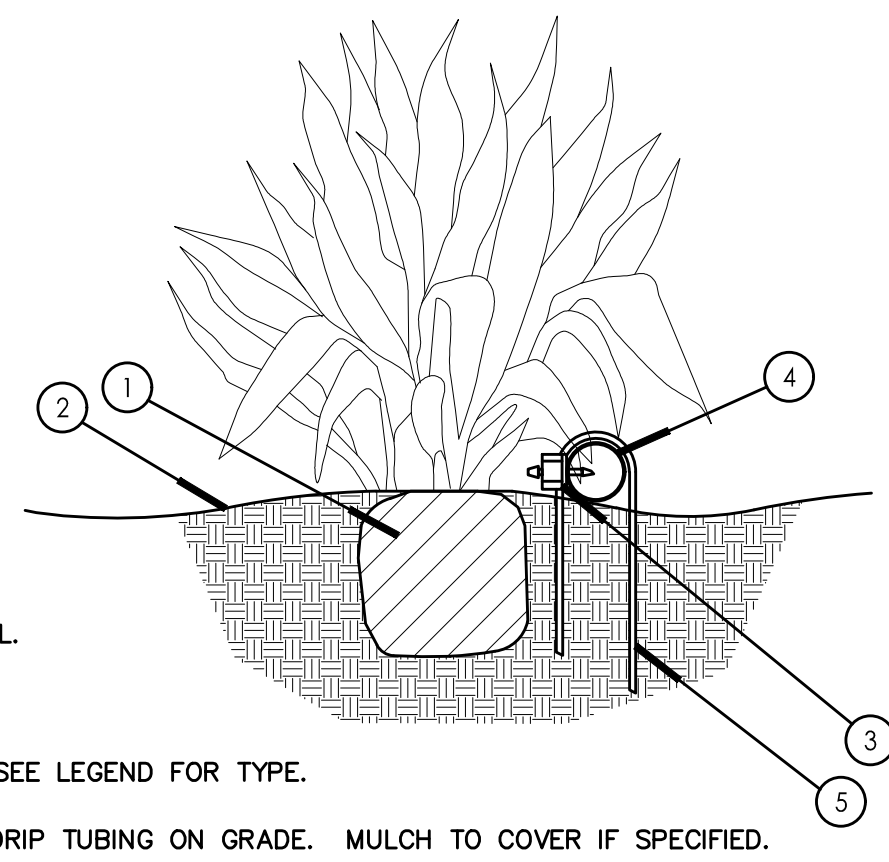
WATERSHED PROJECT MANAGER
 WATERSHED DEPUTY DIRECTOR
 WATERSHED DIRECTOR

SPEC. NO.	WP25-05
PROJ. NO.	82045

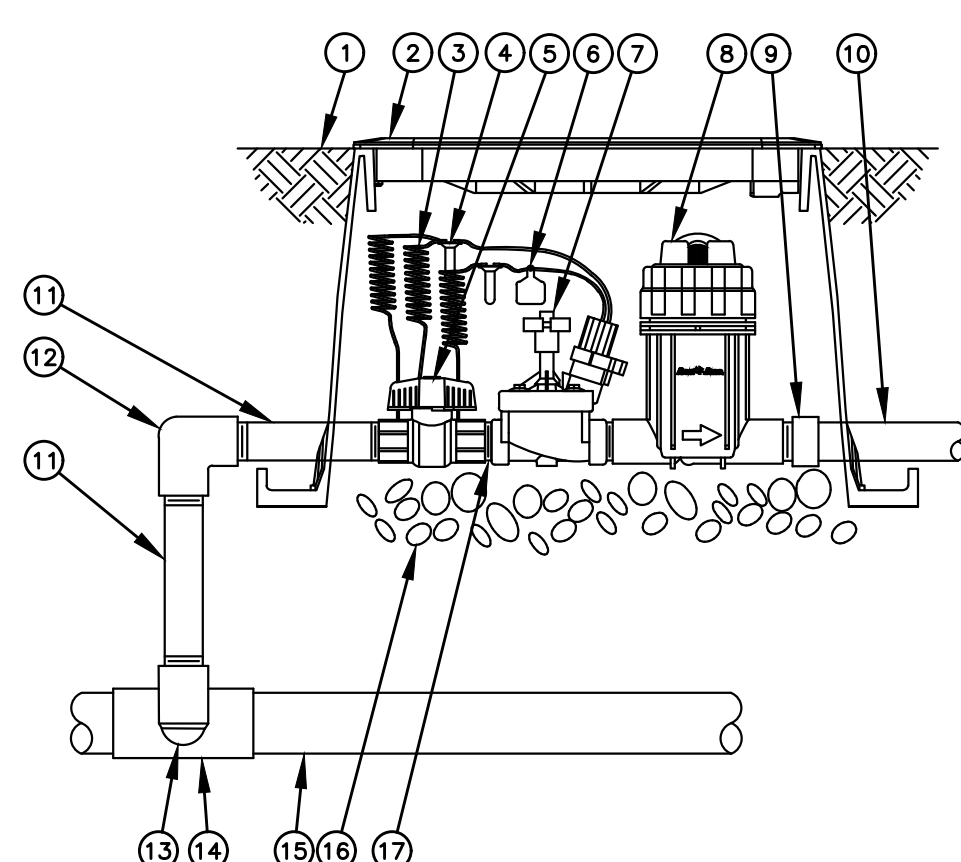
SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2

IRRIGATION PLAN

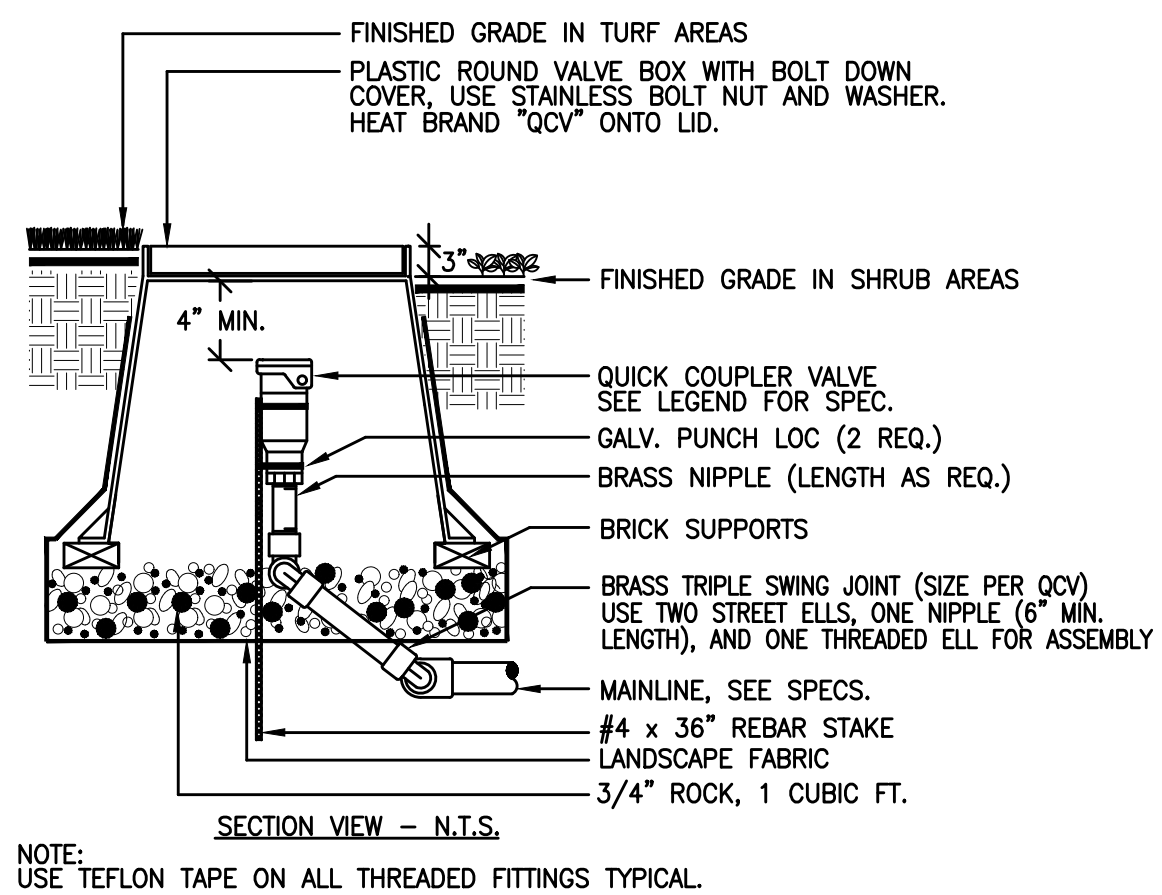
SHEET	40
OF	62
DRAWING NO.	WPD-2-388



- ① SHRUB ROOT BALL.
- ② FINISH GRADE.
- ③ DRIP EMITTER - SEE LEGEND FOR TYPE.
- ④ POLY ETHYLENE DRIP TUBING ON GRADE. MULCH TO COVER IF SPECIFIED.
- ⑤ GALVANIZED TIE-DOWN STAKE. 6" MIN. LENGTH.



- ① FINISH GRADE/TOP OF MULCH
- ② VALVE BOX W/ GREEN COVER: RAIN BIRD VB-STD
- ③ 30-INCH LINEAR LENGTH OF WIRE, COILED
- ④ WATERPROOF CONNECTION: RAIN BIRD DB SERIES
- ⑤ 1-INCH BALL VALVE (INCLUDED IN XCZ-PRB-100-COM KIT) ID TAG
- ⑥ REMOTE CONTROL VALVE: RAIN BIRD PESB-R-PRS-D WITH PRESSURE REGULATING MODULE
- ⑦ PRESSURE REGULATING QUICK CHECK BASKET FILTER: RAIN BIRD PRB-QKCHK-100 (INCLUDED IN XCZ-PRB-100-COM KIT)
- ⑧ PVC SCH 40 FEMALE ADAPTOR
- ⑨ LATERAL PIPE
- ⑩ PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- ⑪ PVC SCH 40 ELL
- ⑫ PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
- ⑬ PVC SCH 40 TEE OR ELL
- ⑭ MAINLINE PIPE
- ⑮ 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- ⑯ PVC SCH 80 NIPPLE, CLOSE



NOTE: USE TEFLON TAPE ON ALL THREADED FITTINGS TYPICAL.

A DRIP EMITTER

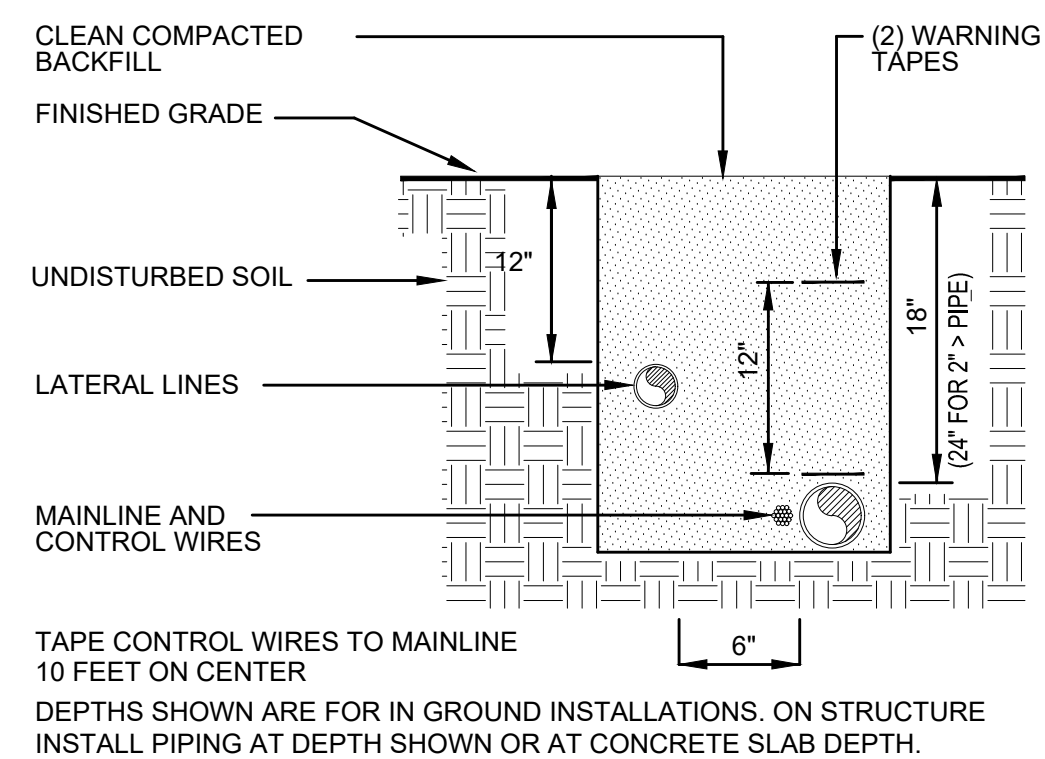
SCALE: NTS

B DRIP VALVE ASSEMBLY

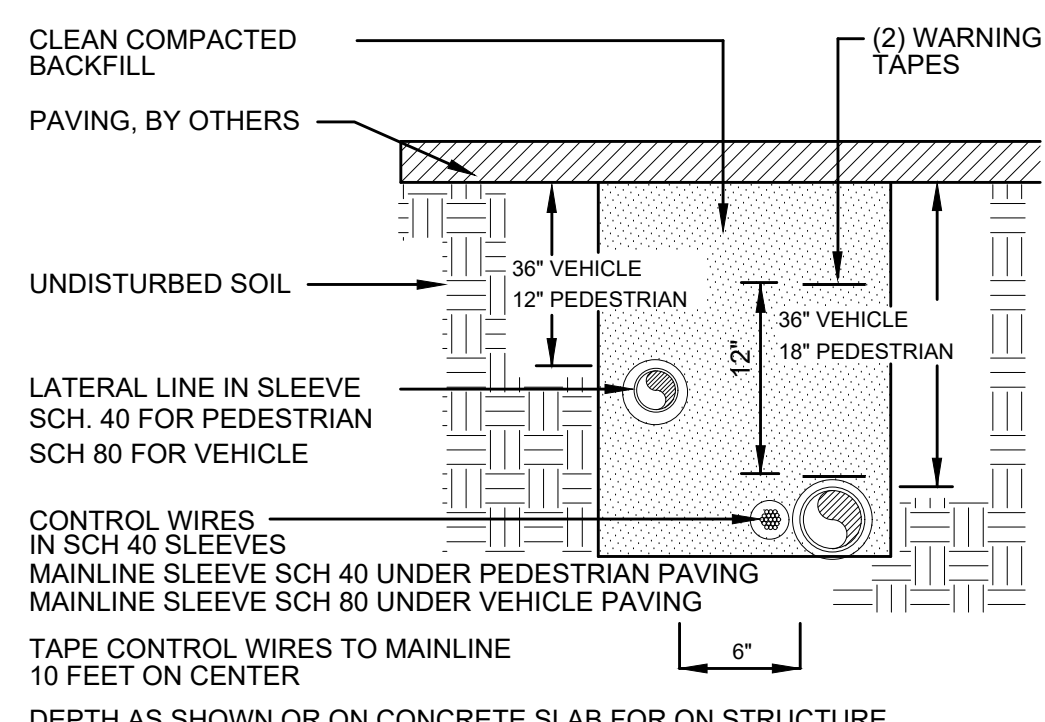
N.T.S. SCALE: NTS

C QUICK COUPLER VALVE

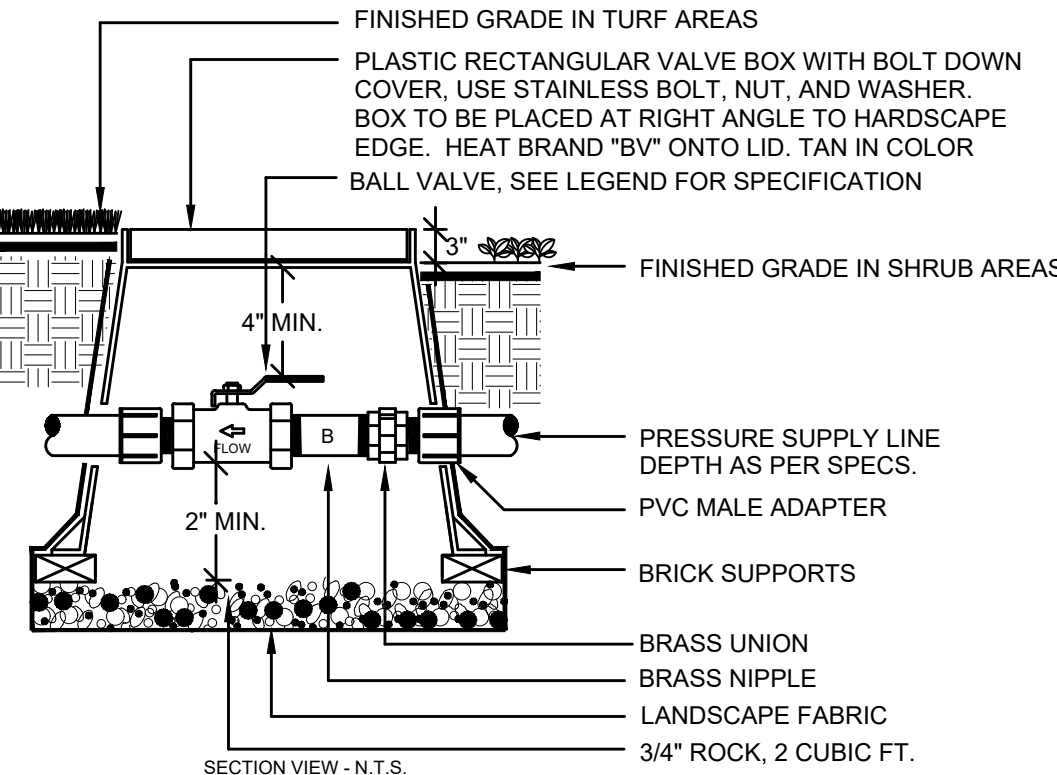
SCALE: NTS



TAPE CONTROL WIRES TO MAINLINE 10 FEET ON CENTER
 DEPTHS SHOWN ARE FOR IN GROUND INSTALLATIONS. ON STRUCTURE INSTALL PIPING AT DEPTH SHOWN OR AT CONCRETE SLAB DEPTH.



- NOTES:
- SLEEVES SHALL BE TWO TIMES THE DIAMETER OF LATERAL LINE, MAINLINE, AND WIRE BUNDLE SIZE, AND A MINIMUM OF 2 INCH SIZE. INSTALL SEPARATE SLEEVES FOR EACH USE, PHONE LINE, CONTROL WIRING, GROUND WIRE AND ELECTRICAL POWER WIRES, ETC.
 - ALL WIRE SLEEVES SHALL HAVE A PULL ROPE REMAINING. MARK EACH SLEEVE FOR FUTURE USE WITH A SCORE MARK ON THE ADJACENT CONCRETE CURB. ALL WIRE SLEEVES SHALL EXTEND AT LEAST 24 INCH PAST THE EDGE OF THE PAVING. ALL WIRE SLEEVE ENDS SHALL BE SEALED USING AN AEROSOL FOAM.



NOTE: BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BALL VALVE. INSTALL AT RIGHT ANGLE TO HARDSCAPE EDGE. INSTALL VALVE OFF-CENTER IN BOX.
 INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE INSTALLATION AT MAIN LINE DEPTH.

D PIPE INSTALLATION

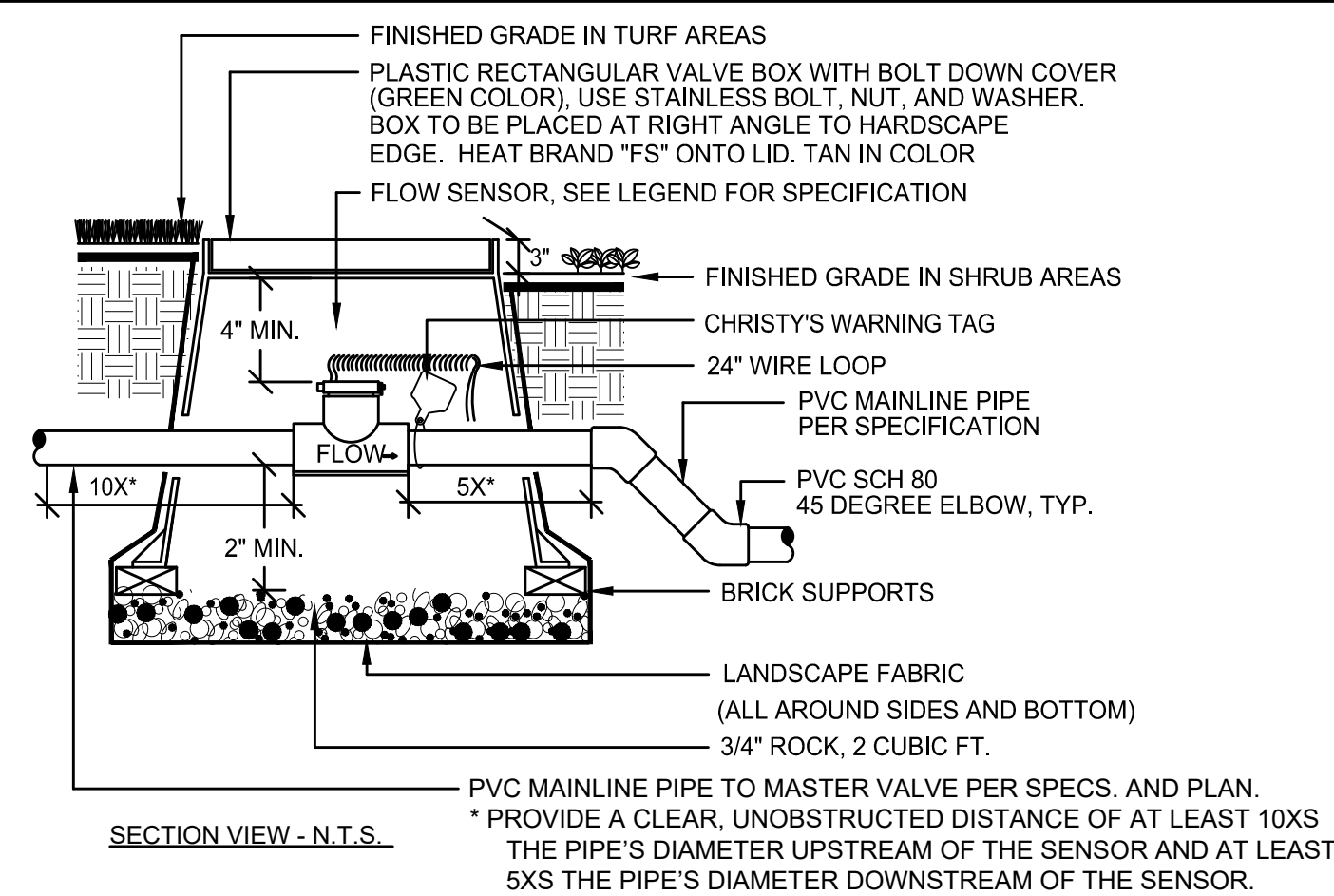
SCALE: NTS

E SLEEVE INSTALLATION

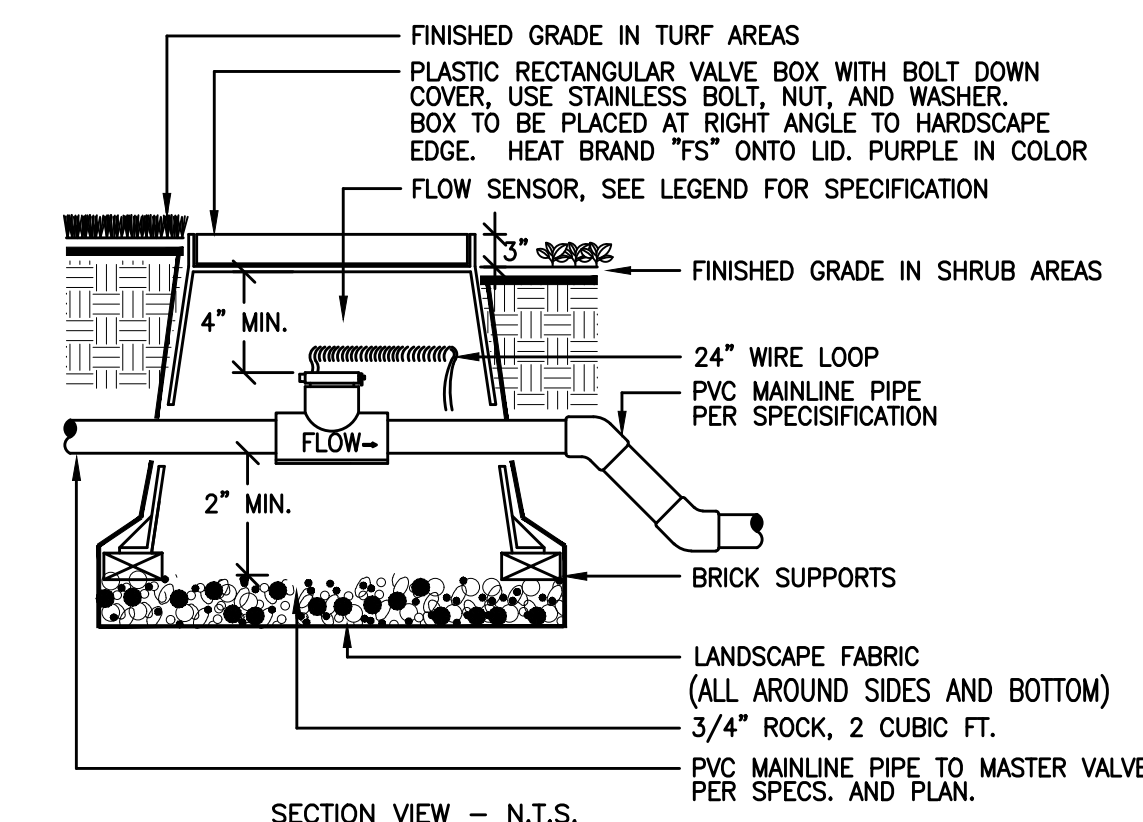
SCALE: NTS

F BALL VALVE

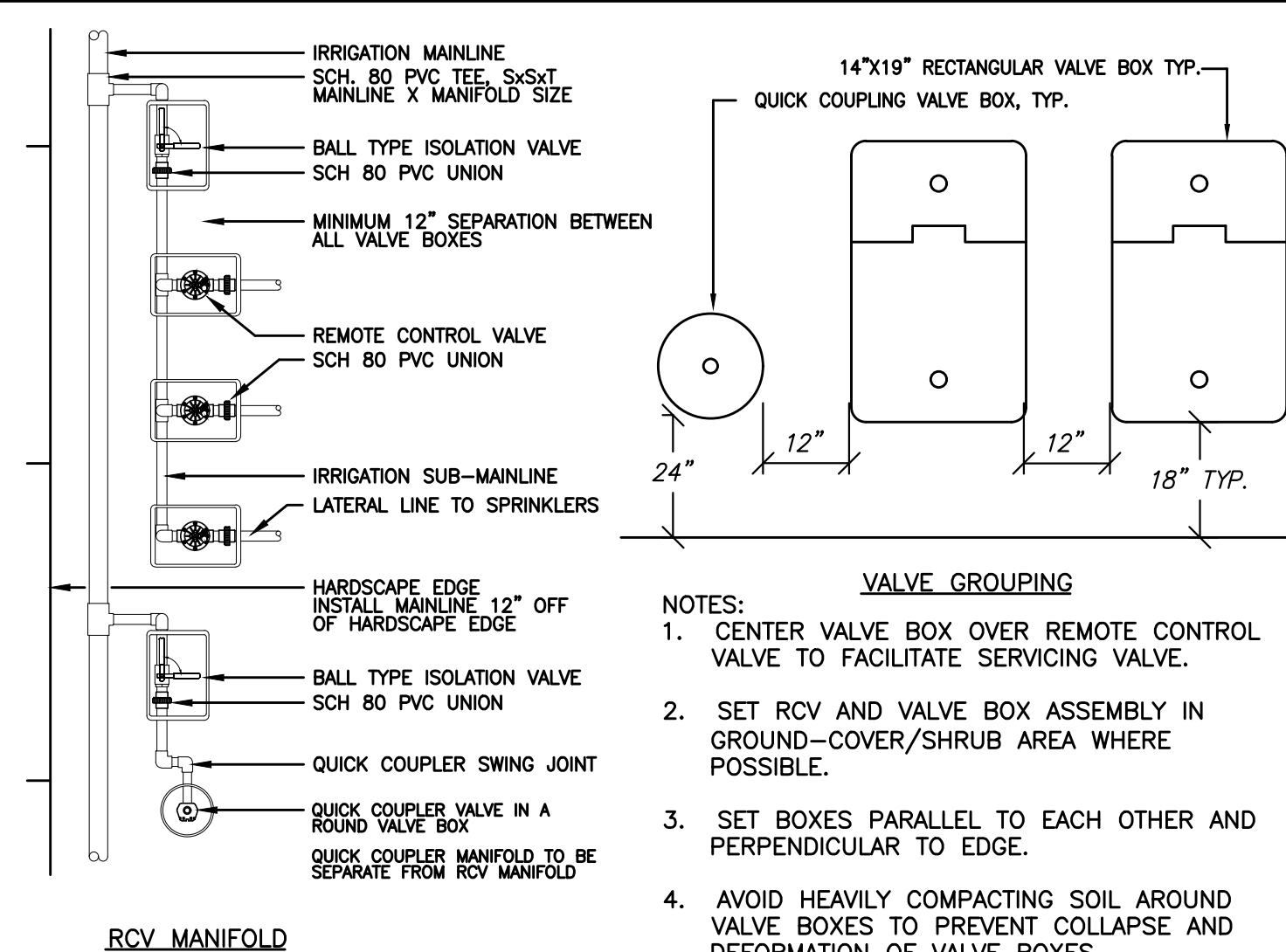
SCALE: NTS



- NOTES:
- INSTALL FLOW SENSOR AS PER THE MANUFACTURER'S RECOMMENDATIONS, WIRE TO IRRIGATION CONTROLLER.
 - USE 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH ON THE DOWN-STREAM SIDE OF THE FLOW SENSOR.
 - ALL FITTINGS (PVC) ON CONSTANT PRESSURE MAINLINE SHALL BE SCH80 PVC.



NOTE: INSTALL FLOW SENSOR AS PER THE MANUFACTURER'S RECOMMENDATIONS, WIRE TO IRRIGATION CONTROLLER.
 USE 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH ON THE DOWN-STREAM SIDE OF THE FLOW SENSOR.



RCV MANIFOLD

G MASTER VALVE

SCALE: NTS

H FLOW SENSOR

SCALE: NTS

I RCV MANIFOLD/VALVE GROUPING

SCALE: NTS

IRRIGATION NOTES

- ALL LANDSCAPE AND IRRIGATION SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH VENTURA COUNTY LANDSCAPE REGULATIONS, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION "GREENBOOK" LATEST EDITION (A COPY SHALL BE KEPT ON THE SITE AT ALL TIMES), THE SPECIFICATION SPECIAL PROVISIONS, LOCAL CODES AND ORDINANCES, AND ALL OTHER LANDSCAPE RELATED CITY AND REGIONAL STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR ANY ENCROACHMENT INTO ADJACENT PROPERTY, R.O.W.'S, EASEMENTS, SETBACKS OR ANY OTHER LEGAL PROPERTY RESTRICTIONS EITHER MARKED OR UNMARKED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL REPAIR/REPLACE, AT NOT ADDITIONAL COST TO THE OWNER, ANY DAMAGE TO UNDERGROUND UTILITIES THAT MAY OCCUR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ACTIVITIES WITH ALL AGENCIES AND OTHER TRADES.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON PLANS AT THE SITE PRIOR TO COMMENCEMENT OF ANY WORK. ALL DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO PROJECT LANDSCAPE ARCHITECT AND THE OWNER'S FIELD REPRESENTATIVE FOR DIRECTION. ANY CONTINUATION OF WORK IS AT THE CONTRACTOR RISK AND EXPENSE.
- THE CONTRACTOR SHALL ONLY APPLY SUFFICIENT WATER TO PROMOTE HEALTHY GROWTH OF THE PLANT MATERIAL. AT NO TIME WILL THE CONTRACTOR APPLY WATER AT A RATE OF FREQUENCY WHICH CAUSES RUN-OFF OR SOIL SATURATION.
- THE WORK ON THESE PLANS IS DIAGRAMMATIC. ALL ITEMS, I.E. CONTROLLERS, VALVES, MAINLINES, SLEEVES, WIRES, IRRIGATION HEADS ETC. ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY AND SHALL BE INSTALLED IN PLANTING AREAS, TYPICAL. DO NOT SCALE DIMENSIONS. DETAIL DRAWINGS MAY CLARIFY LOCATION OF SOME ITEMS. THE CONTRACTOR SHALL NOT LOCATE ANY ITEMS WHERE IT IS OBVIOUS THAT THEY ARE IN CONFLICT WITH UNDERGROUND UTILITIES, STRUCTURES, OTHER IMPROVEMENTS, OR VEHICULAR OR PEDESTRIAN SAFETY CONSIDERATIONS.
- THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM OPERATING PRESSURE OF 50 PSI. CONTRACTOR SHALL VERIFY WATER PRESSURES PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCES BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S FIELD REPRESENTATIVE.
- SLEEVE IRRIGATION WIRING UNDER ALL PAVING. SLEEVE IRRIGATION LATERALS UNDER ALL PAVING. SLEEVE MAINLINE UNDER ALL PAVING. ALL SLEEVES TO 2x SIZE OF PIPE TO BE SLEEVED.
- USE CHECK VALVES AS REQUIRED TO ELIMINATE LOW HEAD DRAINAGE.
- AN IRRIGATION AUDIT REPORT SHALL BE COMPLETED AT THE TIME OF FINAL INSPECTION. CONTRACTOR WILL BE REQUIRED TO HIRE A THIRD PARTY CERTIFIED LANDSCAPE IRRIGATION AUDITOR TO PROVIDE AN AUDIT REPORT TO THE CITY ON THE NEW AND MODIFIED PORTIONS OF THE IRRIGATION SYSTEM IN CONFORMANCE WITH AB 1881 REQUIREMENTS. CONTRACTOR WILL ALSO BE RESPONSIBLE TO MAKE ANY RECOMMENDED REPAIR OR CORRECTIONS THAT RESULT FROM THE IRRIGATION AUDIT REPORT AT NO COST TO THE CITY.
- A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE DESIGNER OR THE LANDSCAPE PLANS, IRRIGATION PLANS, OR LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.
- A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.
- PIPING AND WIRE CONDUIT PENETRATIONS THROUGH WALLS AND INSTALLATION OF ANY IRRIGATION EQUIPMENT UNDER PAVING MUST BE COORDINATED WITH THE GENERAL CONTRACTOR AND CONTRACTORS OF ALL VARIOUS TRADES THAT MAY BE INVOLVED TO ELIMINATE PROBLEMS THAT MAY ARISE FROM INACCESSIBILITY OR DAMAGE TO ANOTHER TRADE'S WORK.
- CONTRACTOR SHALL MEET WITH THE CITY MAINTENANCE REPRESENTATIVE AT THE PROJECT SITE TO LOCATE EXISTING IRRIGATION WATER METERS, BACK FLOW PREVENTER, CONTROLLER, VALVES, MAINLINE, AND ALL OTHER PERTINENT SITE INFORMATION.
- PRIOR TO DEMOLITION AND INSTALLATION OF NEW IMPROVEMENTS, CONTRACTOR SHALL IDENTIFY ITEMS TO BE REMOVED AND/OR RELOCATED. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING IRRIGATION WATER TO EXISTING LANDSCAPE AREAS ADJOINING THE LIMIT OF WORK AND AREAS AFFECTED BY THE NEW IMPROVEMENTS. THE CONTRACTOR SHALL BARE ALL COSTS ASSOCIATED WITH LACK OF IRRIGATION WATER.
- CONTRACTOR SHALL BE PRESENT DURING GRADING OPERATIONS TO PERFORM NECESSARY SERVICES AND PROVIDE ALL EQUIPMENT NECESSARY FOR CAPPING THE EXISTING SYSTEM AND MAKING NECESSARY ADJUSTMENTS TO EXISTING SYSTEMS TO ENSURE SYSTEMS REMAIN OPERATIONAL TO THOSE AREAS LOCATED OUTSIDE THE LIMIT OF WORK DEPICTED ON THESE PLANS.
- SCOPE OF WORK: UNLESS OTHERWISE SPECIFIED, THE CONSTRUCTION OF IRRIGATION SYSTEMS SHALL INCLUDE THE FURNISHING, INSTALLING AND TESTING OF ALL MAIN LINE, POINT OF CONNECTION, LATERAL LINE, RISERS AND FITTINGS; AND THE FURNISHING AND INSTALLING OF SPRINKLER HEADS, AUTOMATIC CONTROLLERS, CONTROL WIRES (TO VALVES) ELECTRICAL CONTROL VALVES, EXCAVATION AND BACKFILL AND ALL OTHER WORK IN ACCORDANCE WITH AB1881, VENTURE COUNTY REQUIREMENTS, THESE PLANS, DETAILS AND NOTES.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, PROPERTY, TRANSPORTATION AND PERFORM ALL OPERATIONS REQUIRED FOR A COMPLETE AND OPERABLE IRRIGATION SYSTEM AS INDICATED ON, OR REASONABLY IMPLIED BY THE DRAWINGS AND/OR NOTES, INCLUDED AS A PART OF THE IRRIGATION WORK, BUT NOT LIMITED BY IT, ARE THE FOLLOWING ITEMS.
- INSTALL COMPLETE OPERABLE INDEPENDENT, AUTOMATIC, IRRIGATION SYSTEMS PER THE PLANS, DETAILS, LEGEND, AND NOTES.
- ALL IRRIGATION WORK SHALL BE GUARANTEED BY THE CONTRACTOR AS TO MATERIALS AND WORKMANSHIP, INCLUDING SETTLING OF BACKFILLED TRENCHES BELOW GRADE FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL ACCEPTANCE OF THE WORK.
- SEE THE SPECIFICATION SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

76

SAVE DATE: 7/11/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\B2045_SANTACLARARIVER\SC3_PH2_DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\136628 - SANTA CLARA RIVER_LARCH_6628-041-ID1 SHEET 41.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			
△			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 MBAKERINTL.COM

8/11/2024
 R.C.E. DATE

DESIGNED: CJ DATE: 8/14/2024
 DRAWN: C.J., EC DATE: 8/15/2024
 CHECKED: -- DATE: 8/16/2024

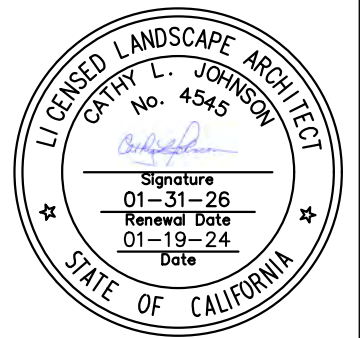
WATERSHED PROJECT MANAGER
 WATERSHED DEPUTY DIRECTOR
 WATERSHED DIRECTOR

VENTURA COUNTY PUBLIC WORKS AGENCY
WATERSHED PROTECTION

SPEC. NO.: WP25-05
 PROJ. NO.: 82045

SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 IRRIGATION NOTES AND DETAILS

SHEET 41 OF 62
 DRAWING NO. WPD-2-388



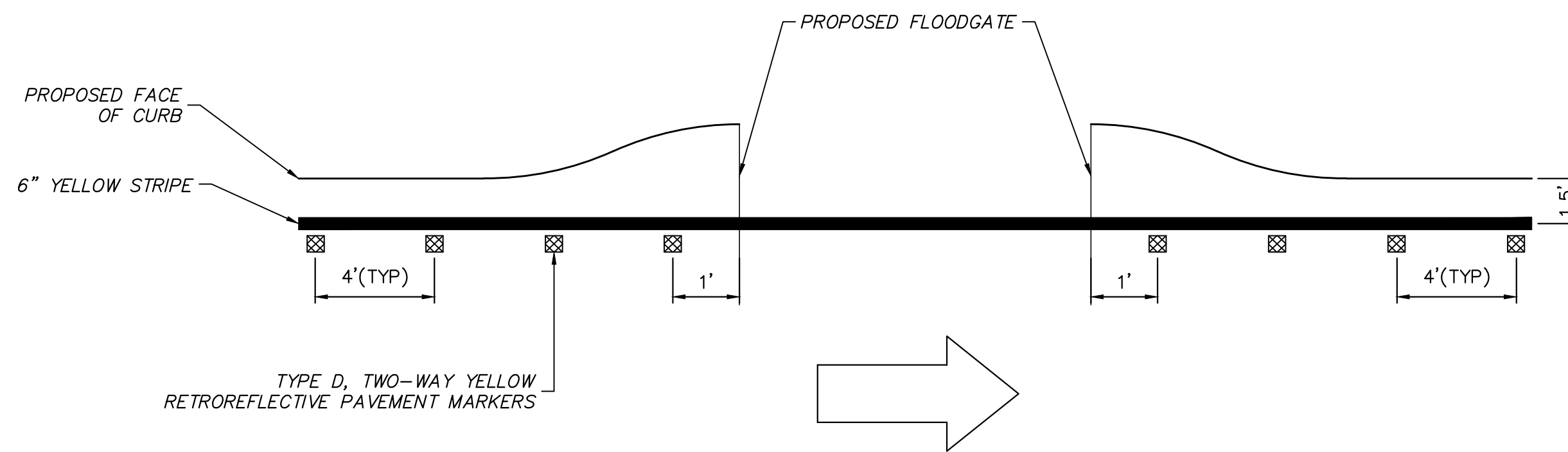
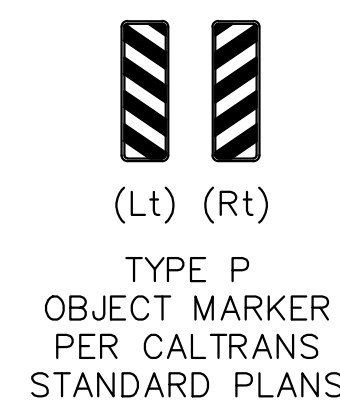
SIGNING AND STRIPING GENERAL NOTES

1. INSTALLATION OF ALL STRIPING, SIGNS, AND PAVEMENT MARKERS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL SIGNING AND STRIPING SHALL CONFORM TO THE MOST RECENTLY ADOPTED EDITION OF THE FOLLOWING MANUALS:
 - 2.1 CITY OF OXNARD STANDARD DRAWINGS
 - 2.2 2018 CALTRANS STANDARD PLANS AND SPECIFICATIONS.
 - 2.3 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD).
3. ALL SIGNING AND STRIPING IS SUBJECT TO THE APPROVAL OF THE CITY ENGINEER PRIOR TO INSTALLATION AND/OR REMOVAL.
4. THE CONTRACTOR SHALL REMOVE ALL CONFLICTING STRIPING, PAVEMENT MARKINGS, AND LEGENDS BY SANDBLASTING AND/OR GRINDING. SANDBLAST AREAS FOR PAVEMENT MARKING LEGENDS AND ARROWS SHALL BE RECTANGULAR. ALL SANDBLASTED AREAS SHALL BE FOG SEALED WITH AN SSI EMULSION. ANY DEBRIS SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
5. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLANS SHALL BE NEW SIGNS PROVIDED AND INSTALLED BY THE CONTRACTOR, EXCEPT FOR EXISTING SIGNS SPECIFICALLY INDICATED TO REMAIN.
6. THE CONTRACTOR SHALL NOTIFY CITY TRAFFIC ENGINEER A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING. NO STRIPING WORK SHALL START UNTIL THE CITY INSPECTOR HAS APPROVED TO "CAT-TRACK" MARKINGS.
7. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE APPLIED IN TWO COATS. IF BLEEDING, CURLING OR DISCOLORATION OCCURS FOLLOWING APPLICATION OF SECOND COAT, UNSATISFACTORY AREAS SHALL BE GIVEN AN ADDITIONAL COAT, OR COATS, OF PAINT.

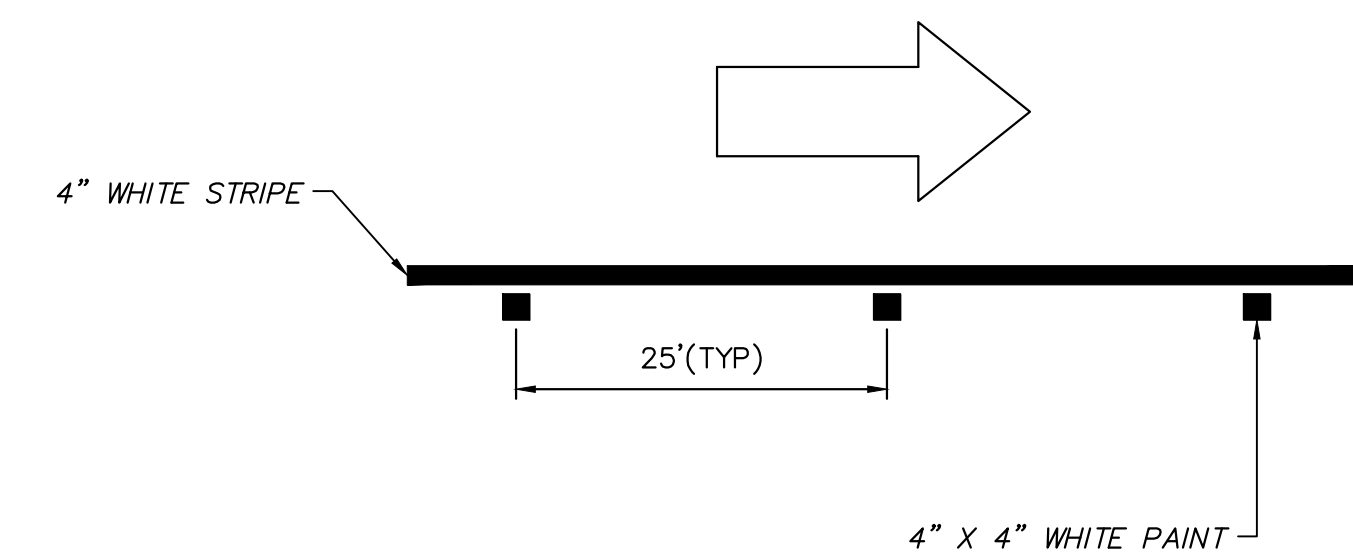
LEGEND AND CONSTRUCTION NOTES THIS SHEET:

- [E] EXISTING SIGN AND/OR STRIPING TO REMAIN
- [IS] INSTALL SIGN AS SHOWN
- [#] INSTALL CALTRANS STRIPING DETAIL PER NUMBER NOTED IN ACCORDANCE WITH THE 2018 CALTRANS STANDARD PLANS, INCLUDING INSTALLATION OF RAISED PAVEMENT MARKERS.
- [PM] INSTALL PAVEMENT MARKING OR STRIPING AS NOTED.
- † EXISTING SIGN ON POST
- † PROPOSED SIGN ON POST
- xx' PROPOSED LANE DIMENSION
- (xx') EXISTING LANE DIMENSION
- ⇨ DIRECTION OF TRAVEL

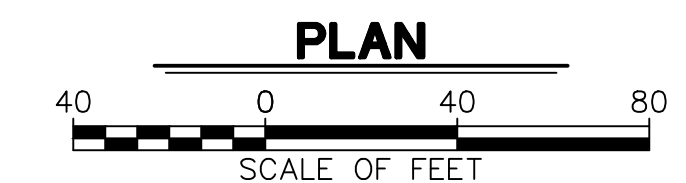
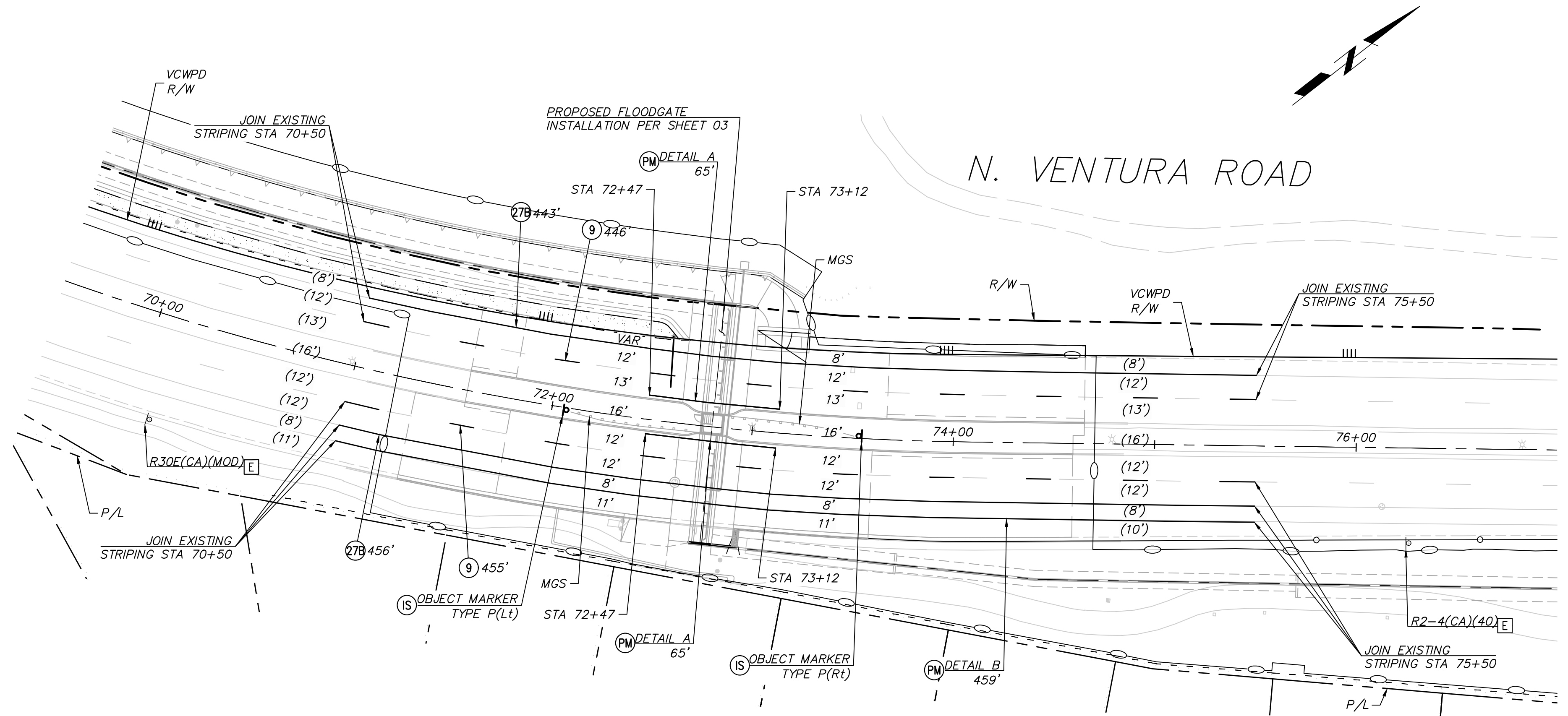
NEW SIGN LEGEND:



PAVEMENT DELINEATION "DETAIL A"
NO SCALE



PAVEMENT DELINEATION "DETAIL B"
NO SCALE



PLOT DATE: 7/23/24

SAVE DATE: 7/23/24 106684 K:\PROJECTS\ZONE2\SANTA CLARA RIVER\82045_SANTA CLARA RIVER LEVEE_SCR3_PH2_DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTA CLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-PD-001\SHEET 42.DWG

REVISION	DESCRIPTION	APP.	DATE

Michael Baker International
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@INTL.COM

Michael Baker
 R.C.E. 10/07/22
 DATE

DESIGNED	AT	8/14/2024
DRAWN	AT	8/15/2024
CHECKED	RB	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

WATERSHED PROJECT MANAGER: *[Signature]* 8/14/2024
 WATERSHED DEPUTY DIRECTOR: *[Signature]* 8/15/2024
 WATERSHED DIRECTOR: *[Signature]* 8/16/2024

SPEC. NO.	WP25-05
PROJ. NO.	82045

SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 SIGNING AND STRIPING

SHEET	42
OF	62
DRAWING NO.	WPD-2-388

TRAFFIC CONTROL GENERAL NOTES:

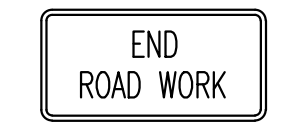
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL THE TRAFFIC CONTROL DEVICES AS SHOWN HEREON, AS WELL AS ANY ADDITIONAL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED TO ENSURE THE SAFE MOVEMENT OF TRAFFIC AND PEDESTRIANS THROUGH OR AROUND THE WORK ZONE, AND PROVIDE MAXIMUM PROTECTION AND SAFETY TO CONSTRUCTION WORKERS.
- ALL TRAFFIC CONTROL DEVICES AND THEIR PLACEMENT SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), 2014 EDITION, REVISION 6.
- FIELD CHANGES, OTHER THAN MINOR ADJUSTMENTS APPROVED BY THE CITY'S INSPECTOR OR AUTHORIZED AGENT, MUST BE AUTHORIZED IN WRITING BY THE CITY OF OXNARD TRANSPORTATION SERVICES MANAGER OR CITY TRAFFIC ENGINEER AND PRIVATE ENGINEER.
- PLAN IMPLEMENTATION AND DEVICE PLACEMENT SHALL BE PERFORMED BY TRAINED PERSONNEL.
- ALL FLAGGERS SHALL BE CERTIFIED AS REQUIRED BY CAL OSHA.
- TRAFFIC CONTROL DEVICES MUST BE MONITORED AND MAINTAINED BY THE CONTRACTOR AT ALL TIMES.
- TEMPORARY NO PARKING SIGNS MUST BE PLACED 72 HOURS IN ADVANCE OF SCHEDULE CLOSURE.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS, RESIDENCES AND BUSINESS AT ALL TIMES UNLESS OTHERWISE NOTED. CONTRACTOR SHALL NOTIFY ALL AFFECTED RESIDENCES AND BUSINESSES THREE BUSINESS DAYS IN ADVANCE PRIOR TO CLOSURE OF A DRIVEWAY OR ACCESS.
- CONTRACTOR SHALL NOTIFY CONSTRUCTION SERVICES AT (805) 797-0818 TWO (2) BUSINESS DAYS PRIOR TO THE START OF WORK.

- ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED AT THE END OF THE WORKING DAY. WORKING HOURS AUTHORIZED BY THE CITY OF OXNARD SHALL NOT BE VIOLATED. VIOLATIONS MAY RESULT IN A STOP-WORK ISSUED BY THE CITY INSPECTOR.
- TRAFFIC CONTROL DEVICES TO REMAIN IN PLACE OVERNIGHT SHALL BE LIGHTED.
- TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED ON PRIVATE PROPERTY.
- CONTRACTOR AND PM SHALL CONTACT GOLD COAST TRANSIT AT LEAST THREE BUSINESS DAYS BEFORE ANY WORK NEAR A BUS STOP OR THE OTC.
- FLAGGERS SHALL BE USED WHILE WORKING NEAR DRIVEWAYS TO HELP VEHICLES ENTER AND EXIT.
- FLAGGERS SHALL BE USED WHILE WORKING NEAR INTERSECTIONS TO HELP VEHICLES AND PEDESTRIANS.
- WORKING HOURS ARE FROM 9:00 AM TO 4:00 PM NEAR A SIGNALIZED INTERSECTION.
- CONTRACTOR SHALL CONTACT THE CITY TRAFFIC ENGINEER IN ADVANCE, AT LEAST THREE BUSINESS DAYS TO ARRANGE ANY TRAFFIC SIGNAL MODIFICATION/CONFIGURATION FOR THIS PROJECT.
- AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF WORK, THE CONTRACTORS SHALL PROVIDE PORTABLE CHANGEABLE MESSAGE SIGNS IN ALL DIRECTIONS OF TRAVEL (INCLUDING SIDE STREETS), TO WARN THE PUBLIC OF THE WORK.

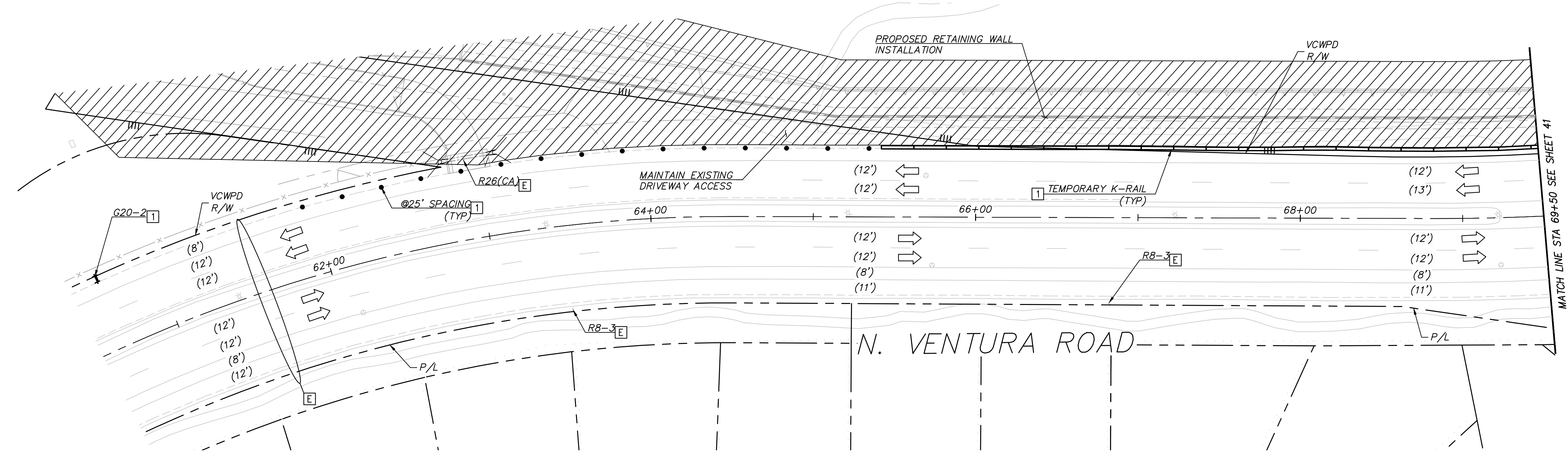
LEGEND AND CONSTRUCTION NOTES THIS SHEET:

- [E] EXISTING SIGN AND/OR STRIPING TO REMAIN
- [1] PROVIDE CONSTRUCTION SIGNS, BARRICADES, DELINEATORS, CRASH CUSHIONS (TYP)
- (S) SIGNALIZED INTERSECTION
- ⊥ TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN
- ⊥ TYPE II BARRICADE
- p SIGN ON POST
- CHANNELIZER/DELINEATOR (TYP)
- ⊠ FLASHING ARROW SIGN (FAS)
- ← DIRECTION OF TRAVEL
- [12'] CONSTRUCTION LANE DIMENSION
- (12') EXISTING LANE DIMENSION
- ▨ WORK AREA THIS STAGE

TRAFFIC CONTROL SIGNS THIS SHEET



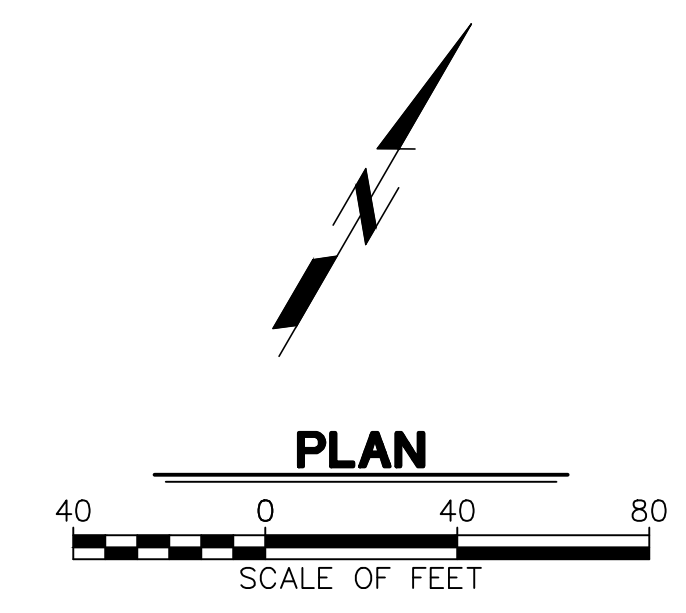
G20-2



Notify Construction Services at (805) 797-3071
2 days prior to start of work or for weekend work.

City of Oxnard Traffic Engineering Division
Phone #: (805) 385-7927 Email: miguel.guillen@oxnard.org

City of Oxnard
APPROVED BY:
[Signature] 01/30/2023
KUMAR NEPPALI/TRANSP. SERVICES MANAGER DATE



DATE: 12/20/22

SAVE DATE: 12/19/22 ALDRIN.DORADO H:\PDATA\136628\CADD\TRANSPW\DLV\STAGE\6628-TC-001.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

[Signature] 12/21/22
R.C.E. DATE

DESIGNED	AD	8/14/2024
DRAWN	AD	8/15/2024
CHECKED	RB	8/16/2024

WATERSHED PROJECT MANAGER
WATERSHED DEPUTY DIRECTOR
WATERSHED DIRECTOR

**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION**

SPEC. NO.	WP25-05
PROJ. NO.	82045

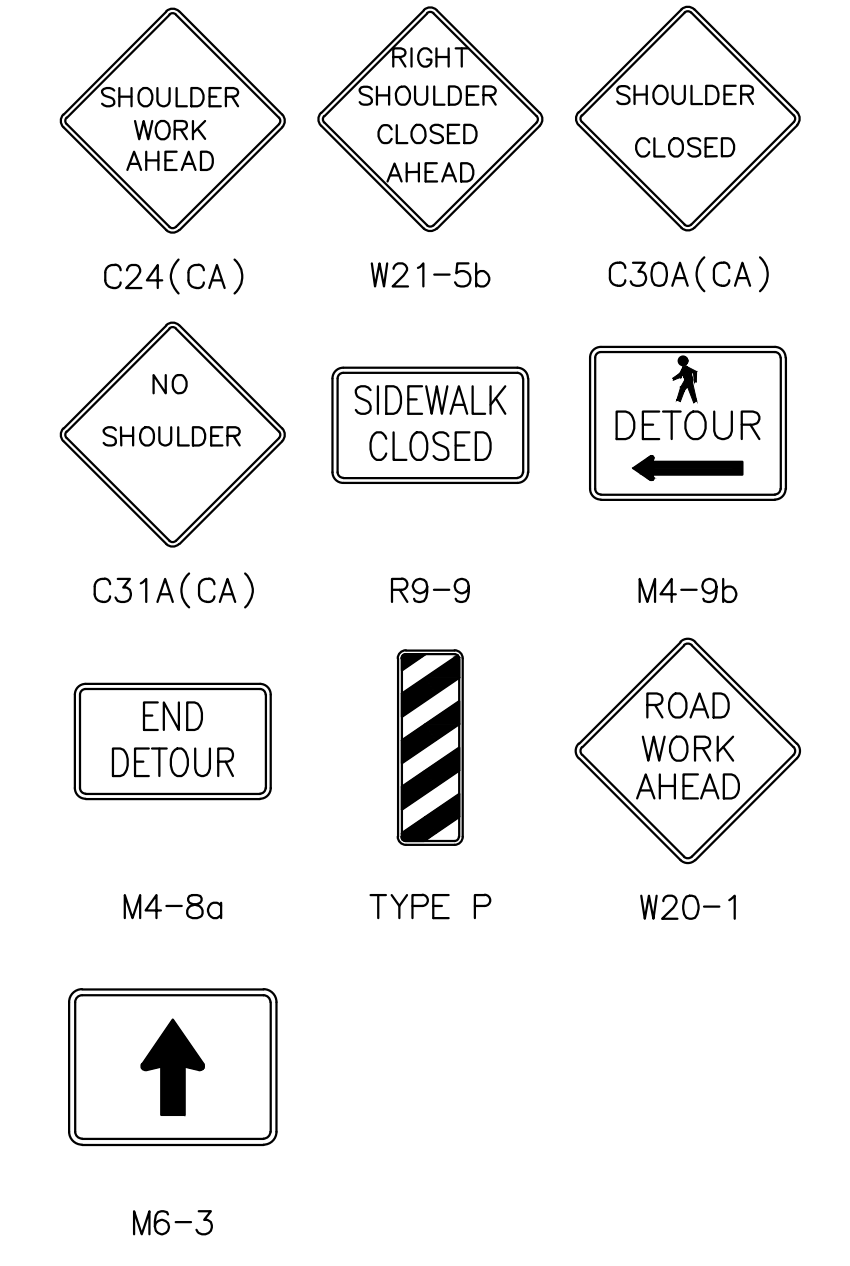
**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**

STAGE 1 TRAFFIC CONTROL

SHEET	43
OF	62
DRAWING SET NO.	WPD-2-388

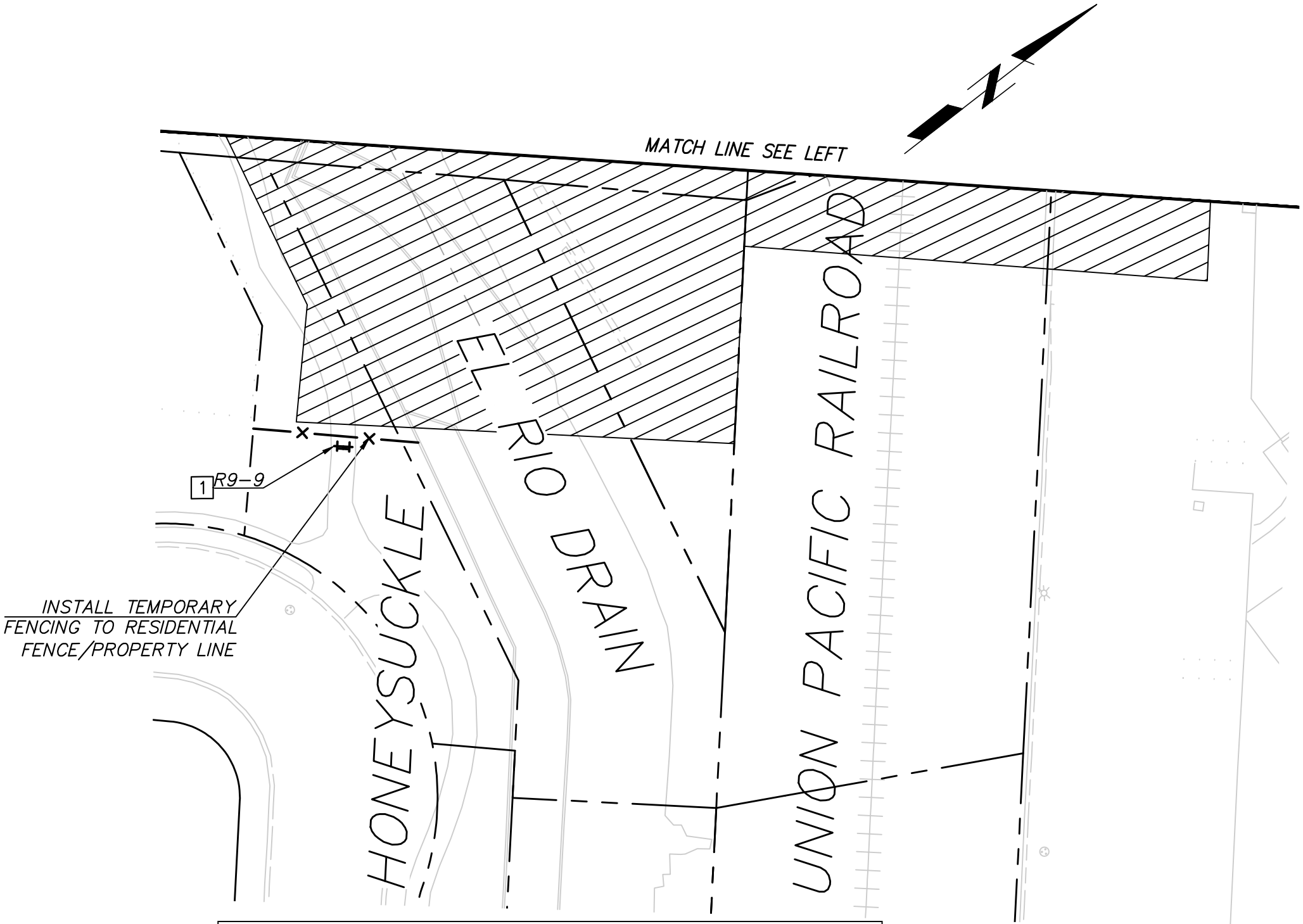
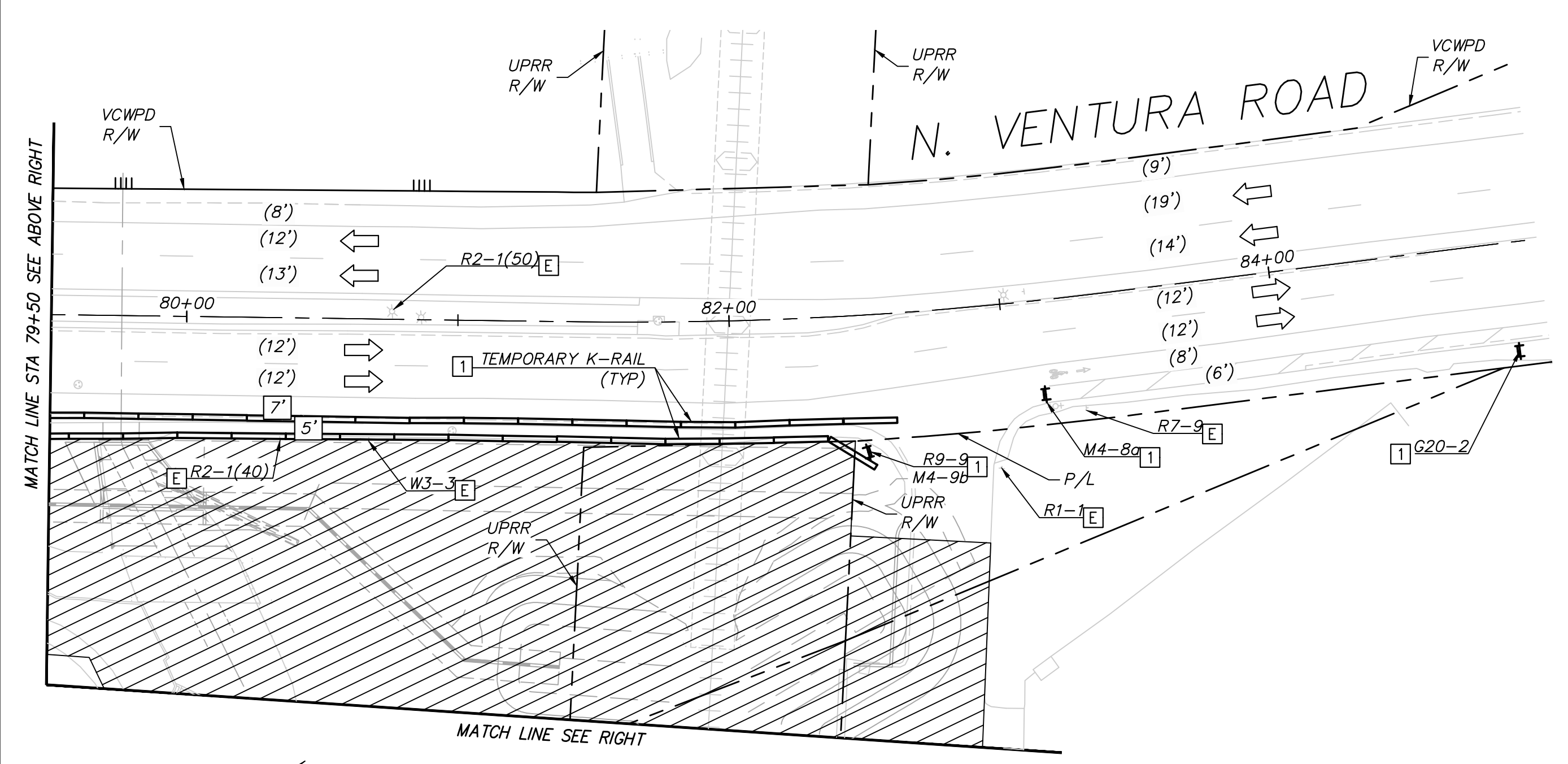
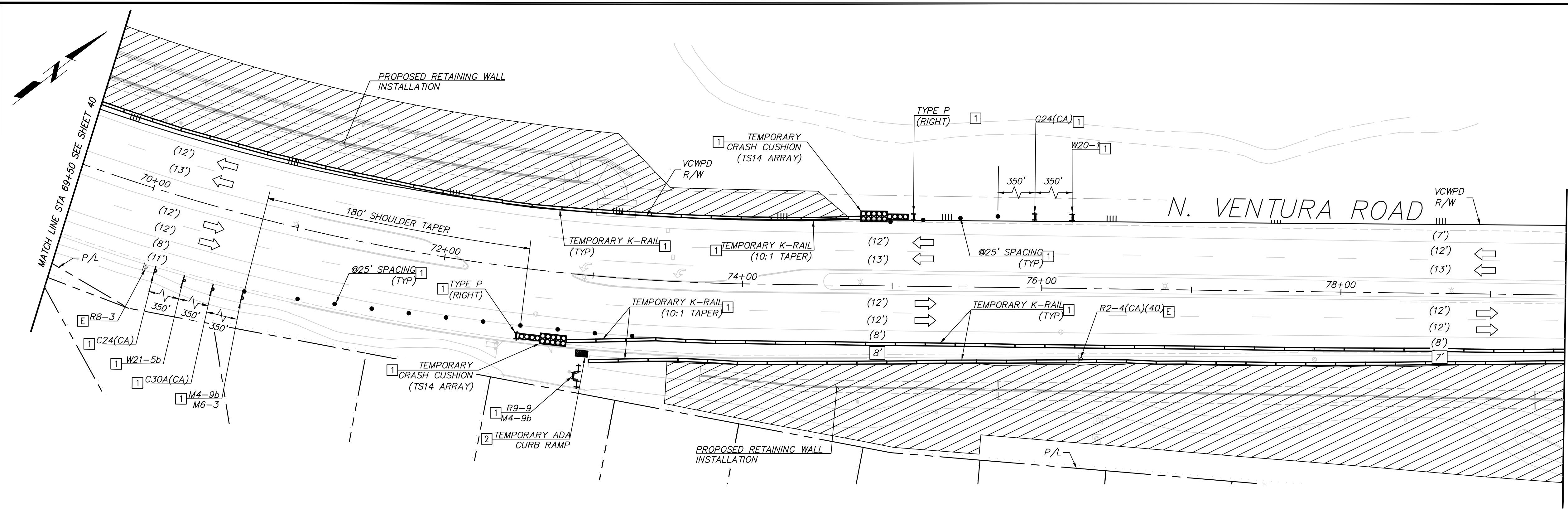
2022_0207_1/11

TRAFFIC CONTROL SIGNS THIS SHEET



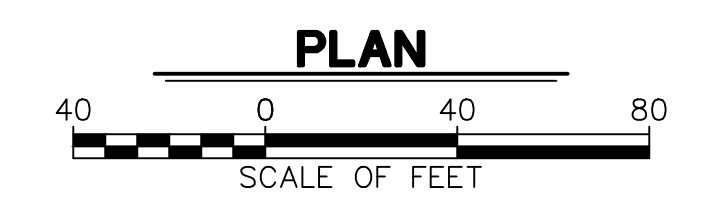
LEGEND AND CONSTRUCTION NOTES THIS SHEET:

- [E] EXISTING SIGN AND/OR STRIPING TO REMAIN
- [1] PROVIDE CONSTRUCTION SIGNS, BARRICADES, DELINEATORS, CRASH CUSHIONS (TYP)
- [2] INSTALL TEMPORARY ADA COMPLIANT RAMP
- (S) SIGNALIZED INTERSECTION
- ⊥ TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN
- ⊥ TYPE II BARRICADE
- P SIGN ON POST
- CHANNELIZER/DELINEATOR (TYP)
- ⚡ FLASHING ARROW SIGN (FAS)
- ← DIRECTION OF TRAVEL
- [12'] CONSTRUCTION LANE DIMENSION
- (12') EXISTING LANE DIMENSION
- ▨ WORK AREA THIS STAGE



City of Oxnard
 APPROVED BY:
[Signature]
 01/30/2023
 KUMAR NEPPALLI/TRANSP. SERVICES MANAGER DATE

Notify Construction Services at (805) 797-3071
 2 days prior to start of work or for weekend work.
 City of Oxnard Traffic Engineering Division
 Phone #: (805) 385-7927 Email: miguel.guillen@oxnard.org



REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 MBakerINTL.COM

[Signature]
 R.C.E. 12/21/22

DESIGNED	AD	8/14/2024
DRAWN	AD	8/15/2024
CHECKED	RB	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY
WATERSHED PROTECTION

SPEC. NO. WP25-05
 PROJ. NO. 82045

SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 STAGE 1 TRAFFIC CONTROL

SHEET 44 OF 62
 DRAWING SET NO. WPD-2-388

NOTE:

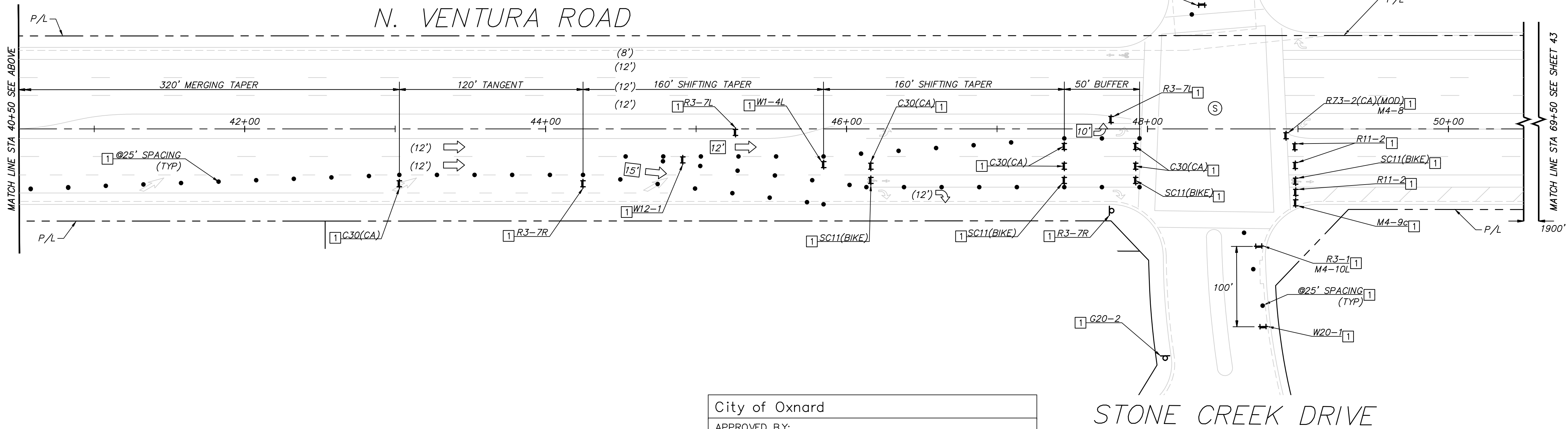
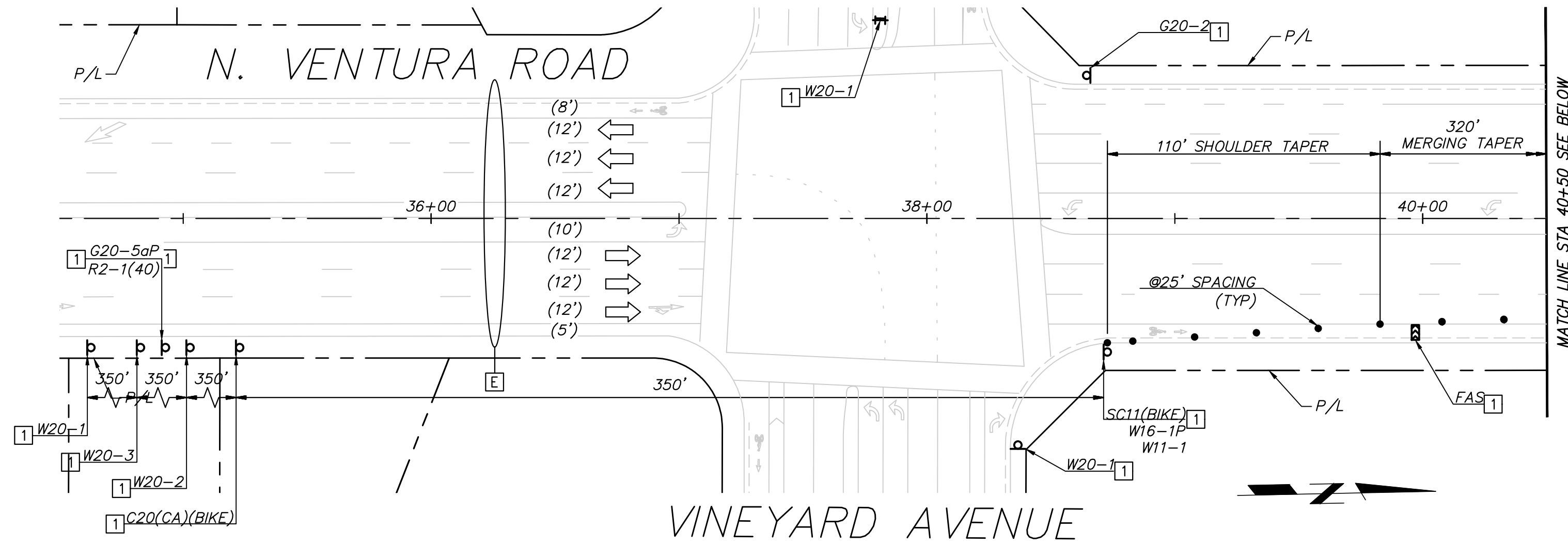
SEE SHEET 49 FOR DETOUR PLANS

LEGEND AND CONSTRUCTION NOTES THIS SHEET:

- [E] EXISTING SIGN AND/OR STRIPING TO REMAIN
- [1] PROVIDE CONSTRUCTION SIGNS, BARRICADES, DELINEATORS, CRASH CUSHIONS (TYP)
- (S) SIGNALIZED INTERSECTION
- ++ TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN
- ++ TYPE II BARRICADE
- p SIGN ON POST
- CHANNELIZER/DELINEATOR (TYP)
- [FAS] FLASHING ARROW SIGN (FAS)
- [>] DIRECTION OF TRAVEL
- [12'] CONSTRUCTION LANE DIMENSION
- (12') EXISTING LANE DIMENSION
- [Hatched Box] WORK AREA THIS STAGE

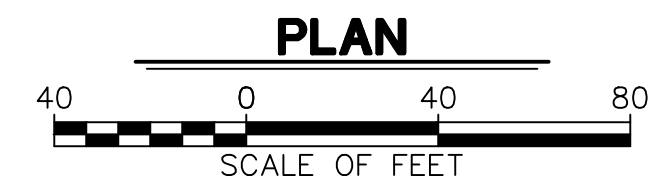
TRAFFIC CONTROL SIGNS THIS SHEET

R2-1, R3-1, R3-2, R3-7L, R3-7R
 R11-2, R73-2(CA)(MOD), SC11(BIKE), W1-4L, W11-1
 W12-1, W16-1P, W20-1, W20-2, W20-3
 END ROAD WORK, WORK ZONE, DETOUR, DETOUR, DETOUR
 G20-2, G20-5aP, M4-8, M4-10L, M4-10R
 M4-9c, C20(CA)(BIKE), C30(CA)



City of Oxnard
 APPROVED BY:
 [Signature]
 01/30/2023
 KUMAR NEPPALI/TRANSP. SERVICES MANAGER DATE

Notify Construction Services at (805) 797-3071
 2 days prior to start of work or for weekend work.
 City of Oxnard Traffic Engineering Division
 Phone #: (805) 385-7927 Email: miguel.guillen@oxnard.org



REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM

12/21/22
 R.C.E. DATE

DESIGNED	AD	8/14/2024
DRAWN	AD	8/15/2024
CHECKED	RB	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

SPEC. NO. WP25-05
 PROJ. NO. 82045

SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 STAGE 2 TRAFFIC CONTROL

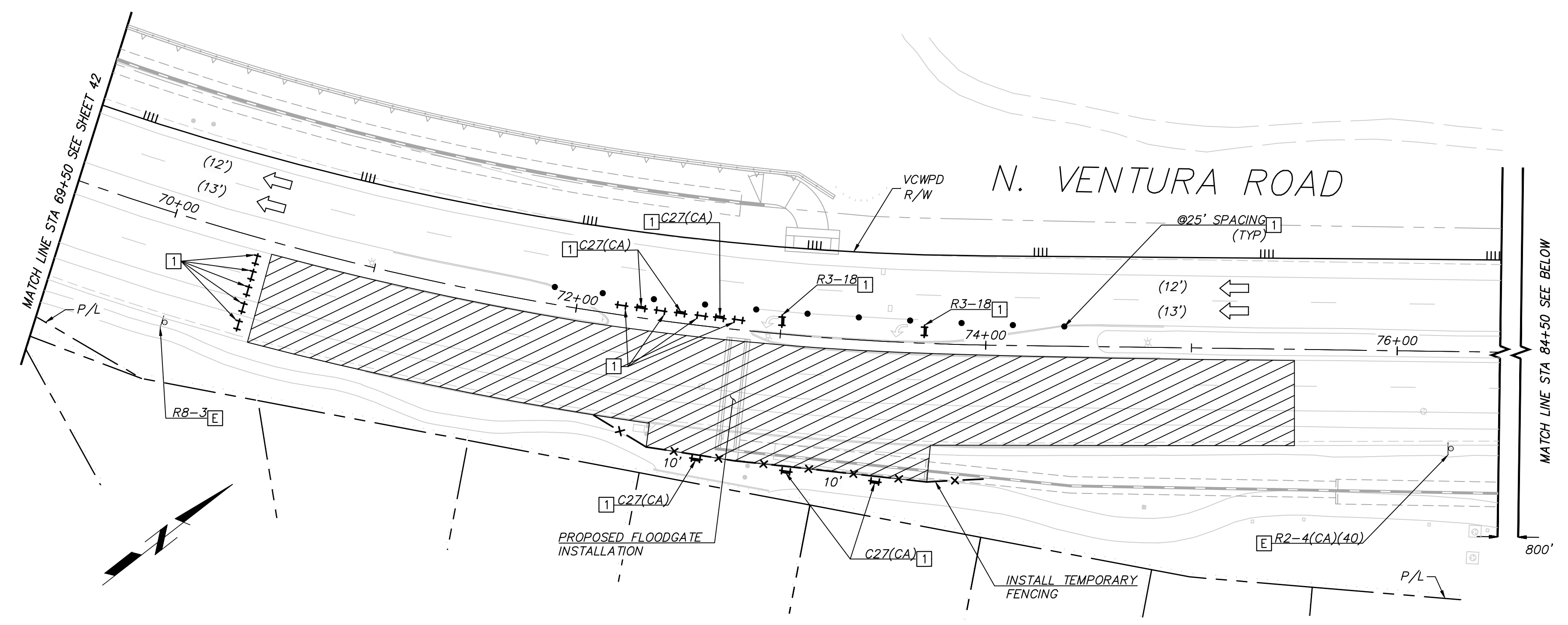
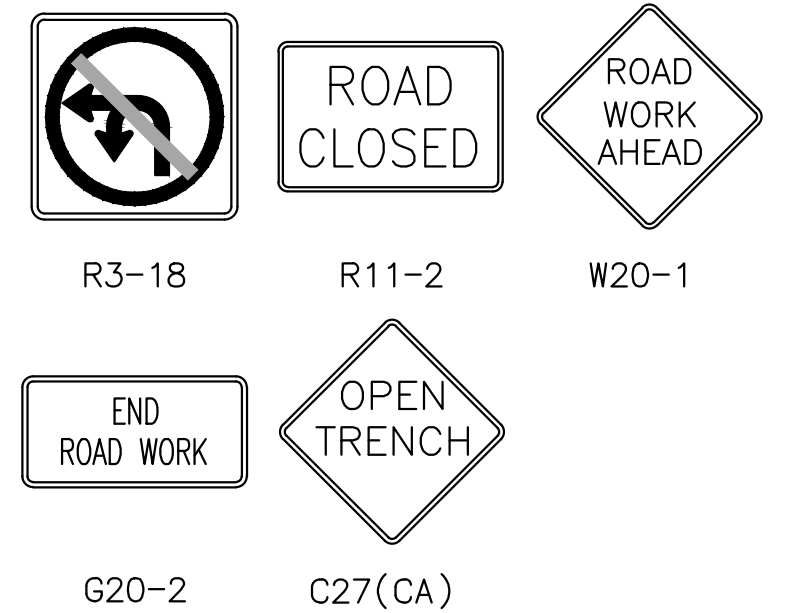
SHEET 45 OF 62
 DRAWING SET NO. WPD-2-388

2022_0207_3/11

NOTE:

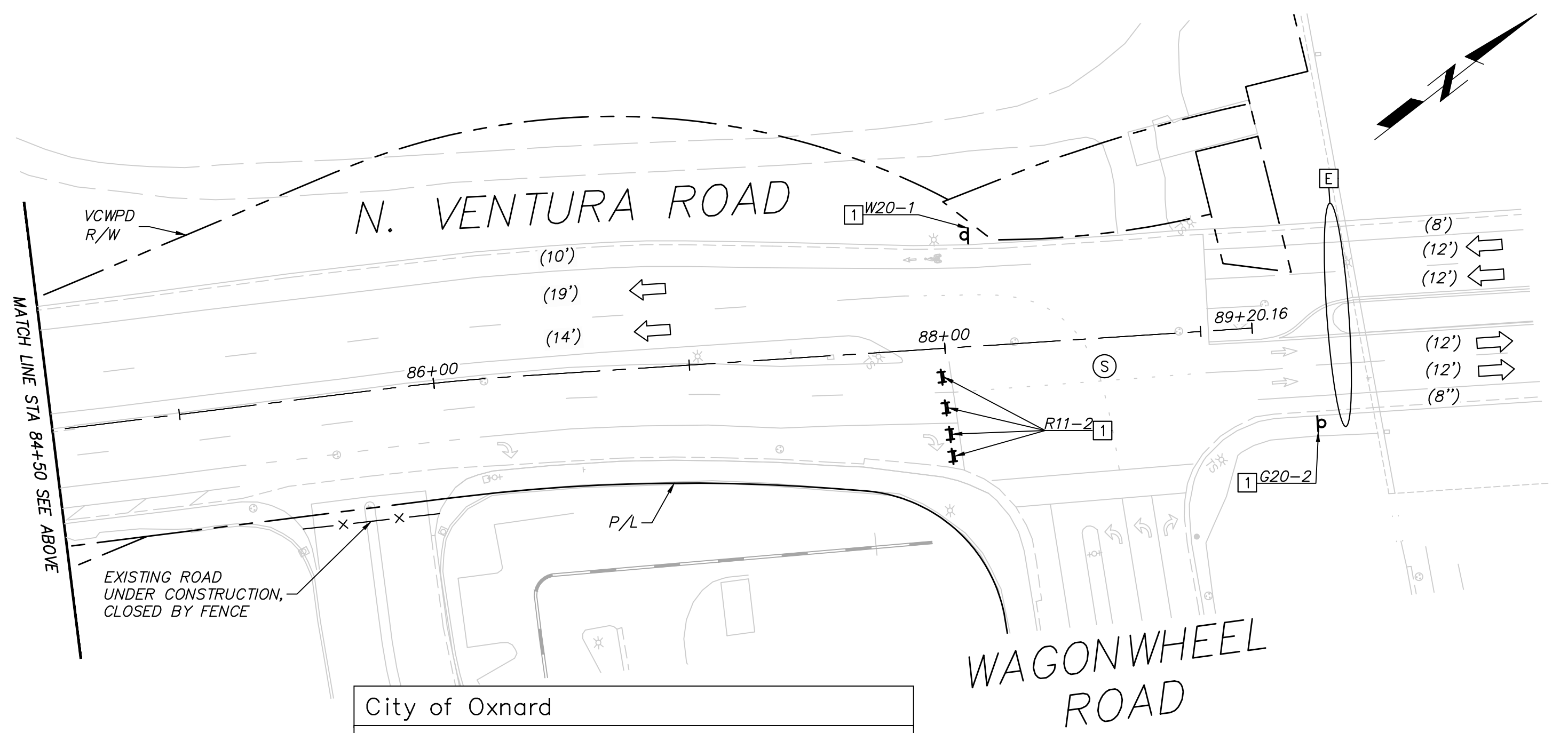
SEE SHEET 49 FOR DETOUR PLANS

TRAFFIC CONTROL SIGNS THIS SHEET



LEGEND AND CONSTRUCTION NOTES THIS SHEET:

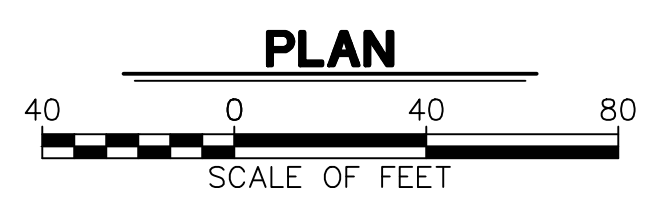
- [E] EXISTING SIGN AND/OR STRIPING TO REMAIN
- [1] PROVIDE CONSTRUCTION SIGNS, BARRICADES, DELINEATORS, CRASH CUSHIONS (TYP)
- (S) SIGNALIZED INTERSECTION
- † TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN
- ++ TYPE II BARRICADE
- ⊥ SIGN ON POST
- CHANNELIZER/DELINEATOR (TYP)
- ⚡ FLASHING ARROW SIGN (FAS)
- ⇐ DIRECTION OF TRAVEL
- [12'] CONSTRUCTION LANE DIMENSION
- (12') EXISTING LANE DIMENSION
- ▨ WORK AREA THIS STAGE



City of Oxnard
 APPROVED BY:

 01/30/2023
 KUMAR NEPPALLI/TRANSP. SERVICES MANAGER DATE

Notify Construction Services at (805) 797-3071
 2 days prior to start of work or for weekend work.
 City of Oxnard Traffic Engineering Division
 Phone #: (805) 385-7927 Email: miguel.guillen@oxnard.org



REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM
 12/21/22
 R.C.E. DATE

DESIGNED	AD	8/14/2024
DRAWN	AD	8/15/2024
CHECKED	RB	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

WATERSHED PROJECT MANAGER:
 WATERSHED DEPUTY DIRECTOR:
 WATERSHED DIRECTOR:

SPEC. NO. WP25-05
 PROJ. NO. 82045

SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 STAGE 2 TRAFFIC CONTROL

SHEET 46 OF 62
 DRAWING SET NO. WPD-2-388

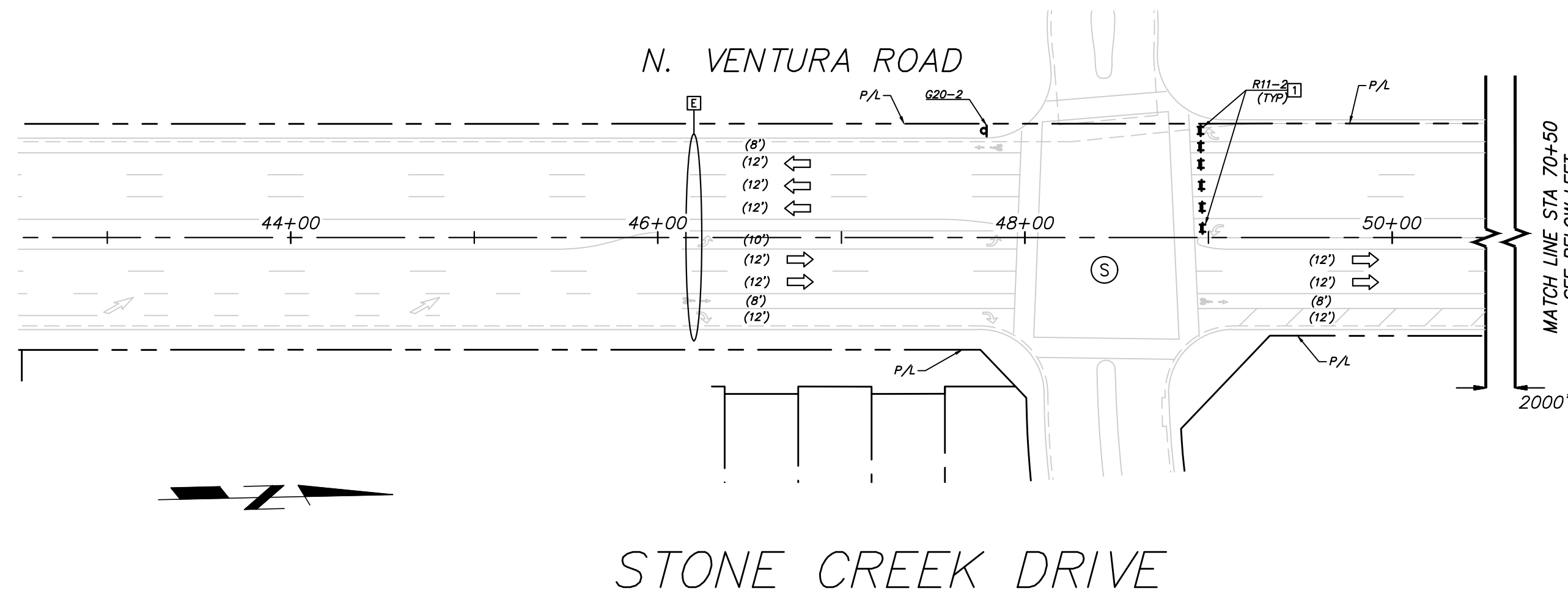
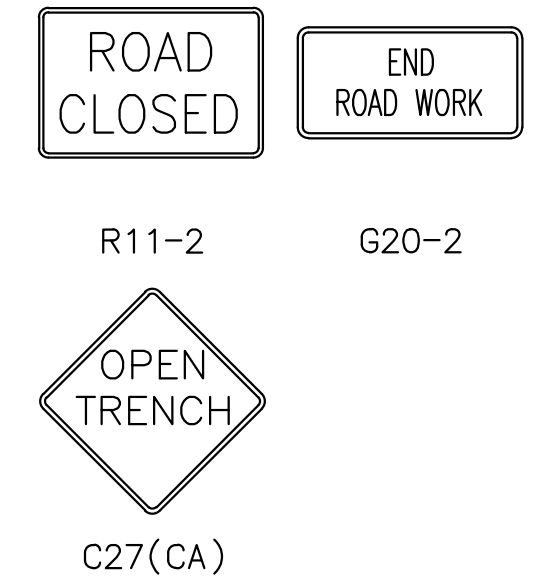
PLOT DATE: 12/20/22

2022_0207_4/11

NOTE:

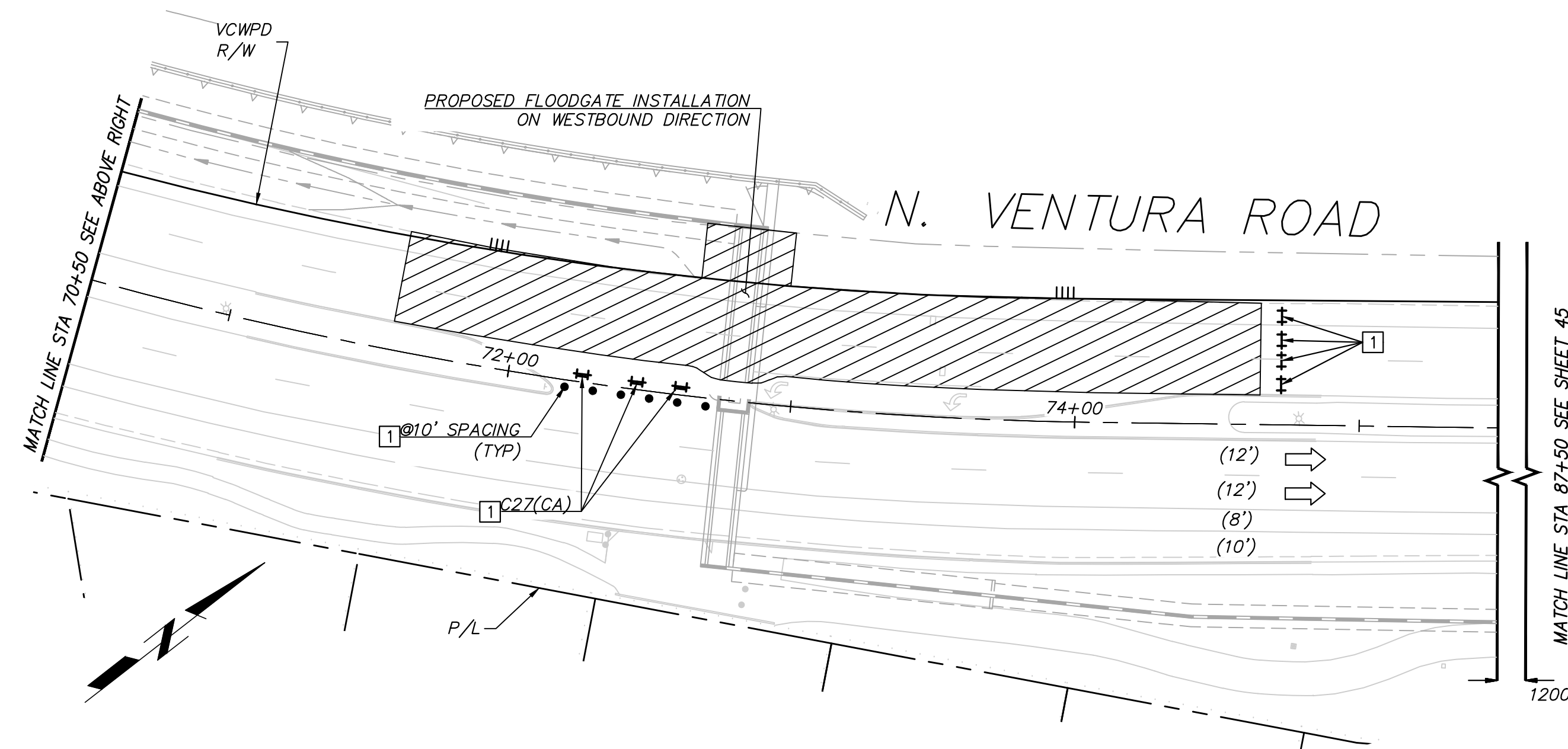
SEE SHEET 50 FOR DETOUR PLANS

TRAFFIC CONTROL SIGNS THIS SHEET



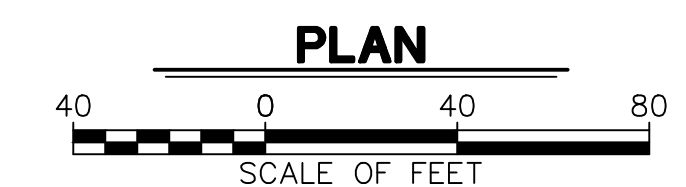
LEGEND AND CONSTRUCTION NOTES THIS SHEET:

- [E] EXISTING SIGN AND/OR STRIPING TO REMAIN
- [I] PROVIDE CONSTRUCTION SIGNS, BARRICADES, AND DELINEATORS, CRASH CUSHIONS (TYP)
- (S) SIGNALIZED INTERSECTION
- ++ TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN
- ++ TYPE II BARRICADE
- ⊥ SIGN ON POST
- CHANNELIZER/DELINEATOR (TYP)
- ⚡ FLASHING ARROW SIGN (FAS)
- ← DIRECTION OF TRAVEL
- [12'] CONSTRUCTION LANE DIMENSION
- (12') EXISTING LANE DIMENSION
- ▨ WORK AREA THIS STAGE



City of Oxnard
 APPROVED BY: *[Signature]* 01/30/2023
 KUMAR NEPPALI/TRANSP. SERVICES MANAGER DATE

Notify Construction Services at (805) 797-3071
 2 days prior to start of work or for weekend work.
 City of Oxnard Traffic Engineering Division
 Phone #: (805) 385-7927 Email: miguel.guillen@oxnard.org



PLOT DATE: 12/20/22

SAVE DATE: 12/19/22 ALDRIN.DORADO H:\PDATA\136628\CADD\TRANSPW\DLV\STAGE\6628-TC-005.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM

[Signature] 12/21/22
 R.C.E. DATE

DESIGNED	AD	8/14/2024
DRAWN	AD	8/15/2024
CHECKED	RB	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

WATERSHED PROJECT MANAGER: *[Signature]* 8/14/2024
 WATERSHED SUPERVISOR: *[Signature]* 8/15/2024
 WATERSHED DIRECTOR: *[Signature]* 8/16/2024

SPEC. NO.	WP25-05
PROJ. NO.	82045

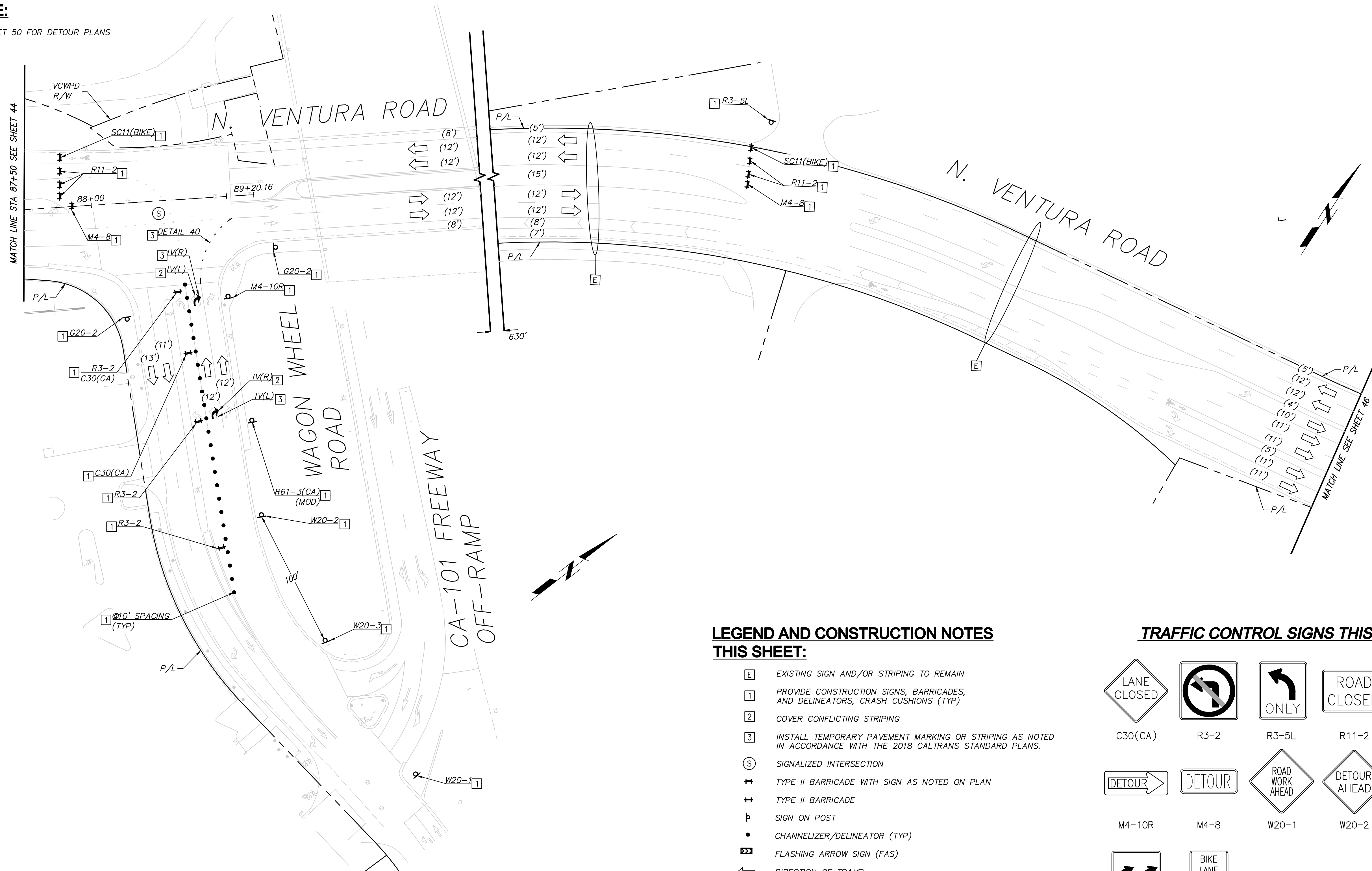
SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 STAGE 3 TRAFFIC CONTROL

SHEET	47
OF	62
DRAWING SET NO.	WPD-2-388

2022_0207_5/11

NOTE:

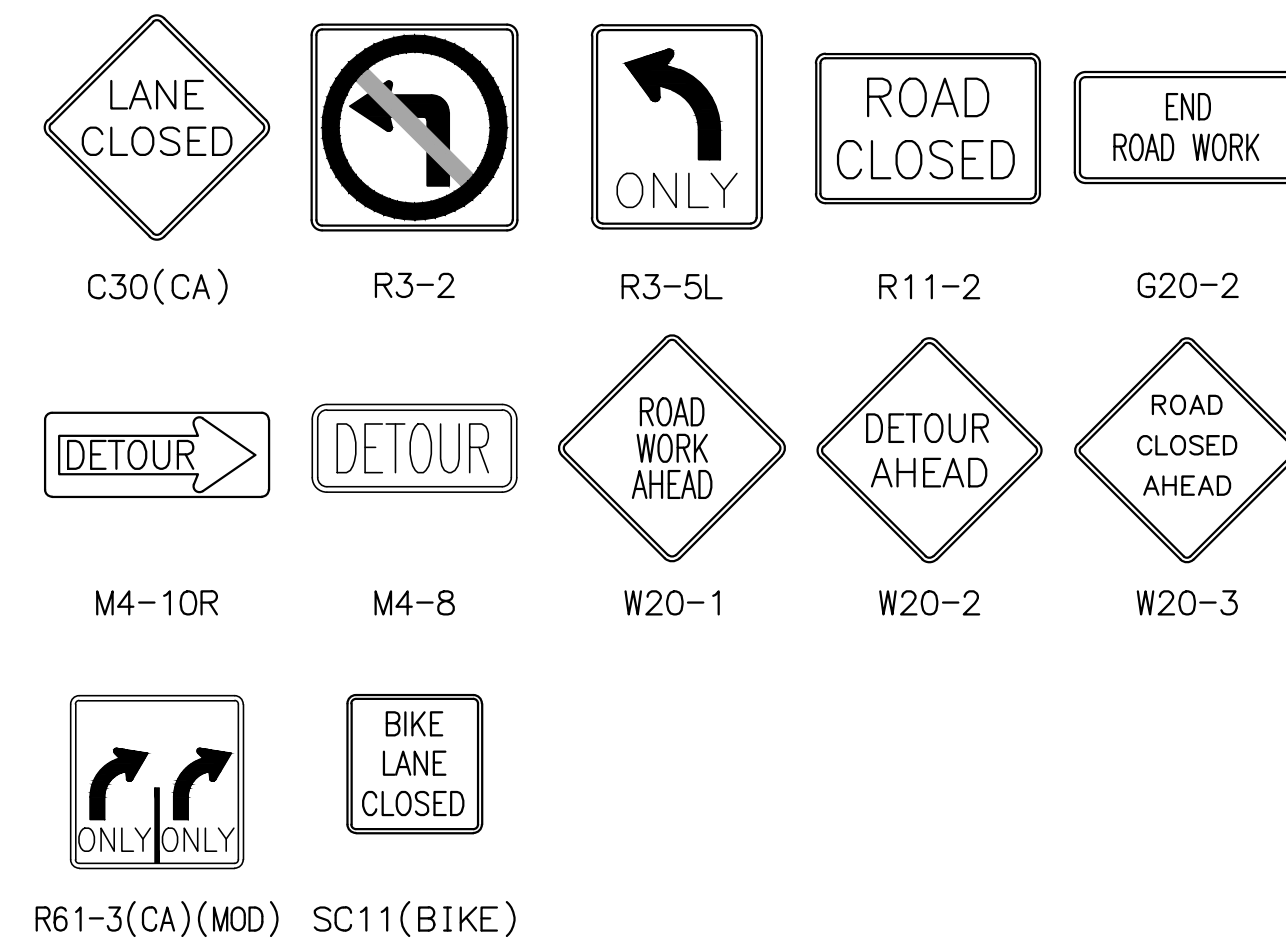
SEE SHEET 50 FOR DETOUR PLANS



LEGEND AND CONSTRUCTION NOTES THIS SHEET:

- [E] EXISTING SIGN AND/OR STRIPING TO REMAIN
- [1] PROVIDE CONSTRUCTION SIGNS, BARRICADES, AND DELINEATORS, CRASH CUSHIONS (TYP)
- [2] COVER CONFLICTING STRIPING
- [3] INSTALL TEMPORARY PAVEMENT MARKING OR STRIPING AS NOTED IN ACCORDANCE WITH THE 2018 CALTRANS STANDARD PLANS.
- (S) SIGNALIZED INTERSECTION
- [+] TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN
- [+] TYPE II BARRICADE
- [P] SIGN ON POST
- [•] CHANNELIZER/DELINEATOR (TYP)
- [FA] FLASHING ARROW SIGN (FAS)
- [←] DIRECTION OF TRAVEL
- [12'] CONSTRUCTION LANE DIMENSION
- (12') EXISTING LANE DIMENSION
- [Hatched Box] WORK AREA THIS STAGE

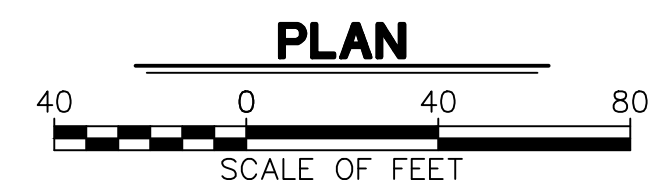
TRAFFIC CONTROL SIGNS THIS SHEET



Notify Construction Services at (805) 797-3071
2 days prior to start of work or for weekend work.

City of Oxnard Traffic Engineering Division
Phone #: (805) 385-7927 Email: miquel.guillen@oxnard.org

City of Oxnard
APPROVED BY:
[Signature]
01/30/2023
KUMAR NEPPALLI/TRANSP. SERVICES MANAGER DATE



REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

[Signature]
12/21/22
R.C.E. DATE

DESIGNED	XX	8/14/2024
DRAWN	XX	8/15/2024
CHECKED	XX	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

WATERSHED PROJECT MANAGER
WATERSHED DEPUTY DIRECTOR
WATERSHED DIRECTOR

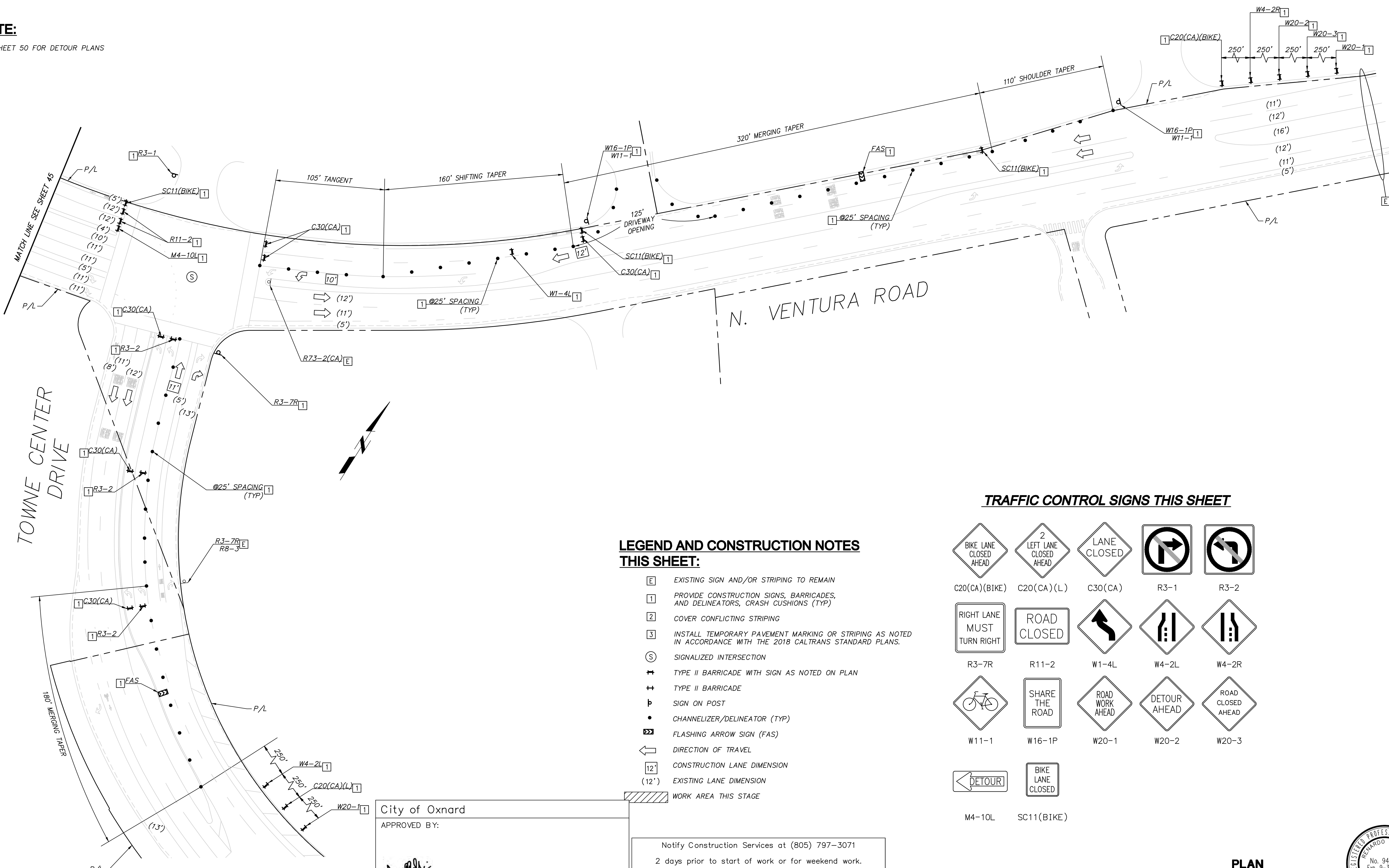
SPEC. NO. WP25-05
PROJ. NO. 82045

SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
STAGE 3 TRAFFIC CONTROL

SHEET 48 OF 62
DRAWING SET NO. WPD-2-388

NOTE:

SEE SHEET 50 FOR DETOUR PLANS



LEGEND AND CONSTRUCTION NOTES THIS SHEET:

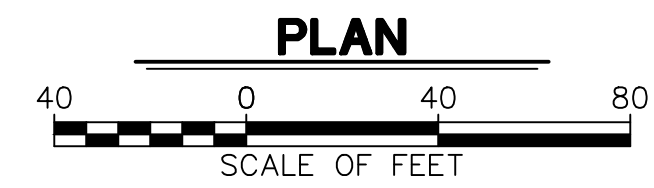
- [E] EXISTING SIGN AND/OR STRIPING TO REMAIN
- [1] PROVIDE CONSTRUCTION SIGNS, BARRICADES, AND DELINEATORS, CRASH CUSHIONS (TYP)
- [2] COVER CONFLICTING STRIPING
- [3] INSTALL TEMPORARY PAVEMENT MARKING OR STRIPING AS NOTED IN ACCORDANCE WITH THE 2018 CALTRANS STANDARD PLANS.
- (S) SIGNALIZED INTERSECTION
- [+] TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN
- [+] TYPE II BARRICADE
- [P] SIGN ON POST
- [•] CHANNELIZER/DELINEATOR (TYP)
- [FAS] FLASHING ARROW SIGN (FAS)
- [←] DIRECTION OF TRAVEL
- [12'] CONSTRUCTION LANE DIMENSION
- [12'] EXISTING LANE DIMENSION
- [Hatched Box] WORK AREA THIS STAGE

TRAFFIC CONTROL SIGNS THIS SHEET

C20(CA)(BIKE)	C20(CA)(L)	C30(CA)	R3-1	R3-2
R3-7R	R11-2	W1-4L	W4-2L	W4-2R
W11-1	W16-1P	W20-1	W20-2	W20-3
M4-10L	SC11(BIKE)			

City of Oxnard
 APPROVED BY: *[Signature]*
 01/30/2023
 KUMAR NEPPALLI/TRANSP. SERVICES MANAGER DATE

Notify Construction Services at (805) 797-3071
 2 days prior to start of work or for weekend work.
 City of Oxnard Traffic Engineering Division
 Phone #: (805) 385-7927 Email: miguel.guillen@oxnard.org



REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker International
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM

[Signature]
 12/21/22
 R.C.E. DATE

DESIGNED	AD	8/14/2024
DRAWN	AD	8/15/2024
CHECKED	RB	8/16/2024

Watershed Project Manager: *[Signature]*
 Watershed Deputy Director: *[Signature]*
 Watershed Director: *[Signature]*

VENTURA COUNTY PUBLIC WORKS AGENCY
WATERSHED PROTECTION

SPEC. NO. WP25-05
 PROJ. NO. 82045

SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 STAGE 3 TRAFFIC CONTROL

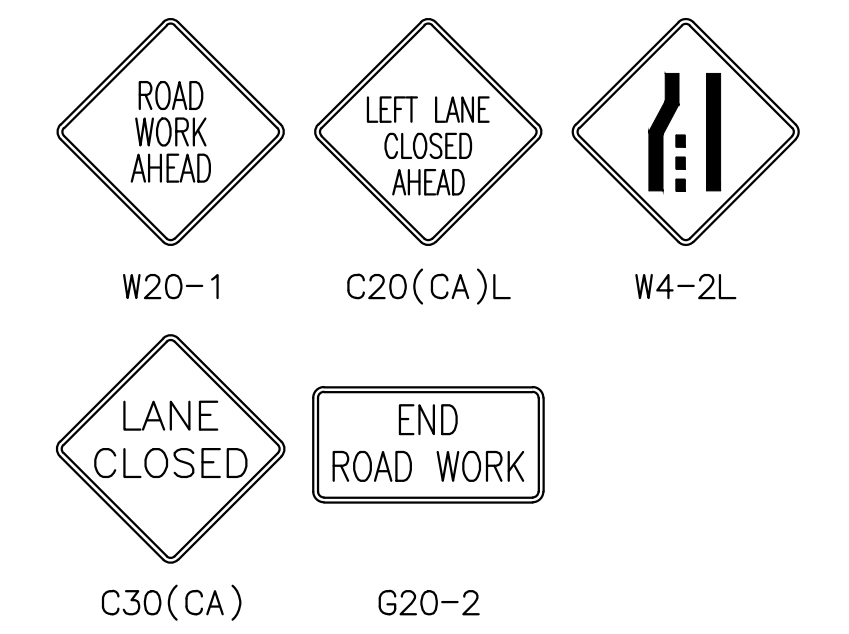
SHEET 49 OF 62
 DRAWING SET NO. WPD-2-388

PLOT DATE: 12/20/22

SAVE DATE: 12/19/22 ALDRIN.DORADO H:\PDATA\136628\CADD\TRANSPW\DLV\STAGE\6628-TC-007.DWG

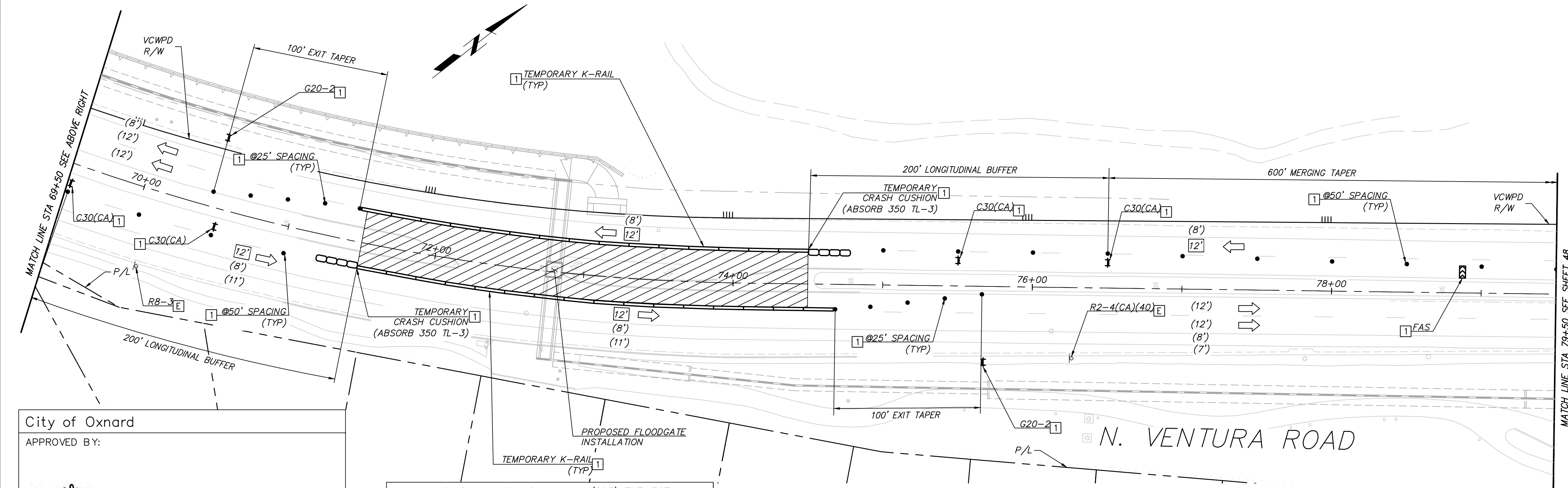
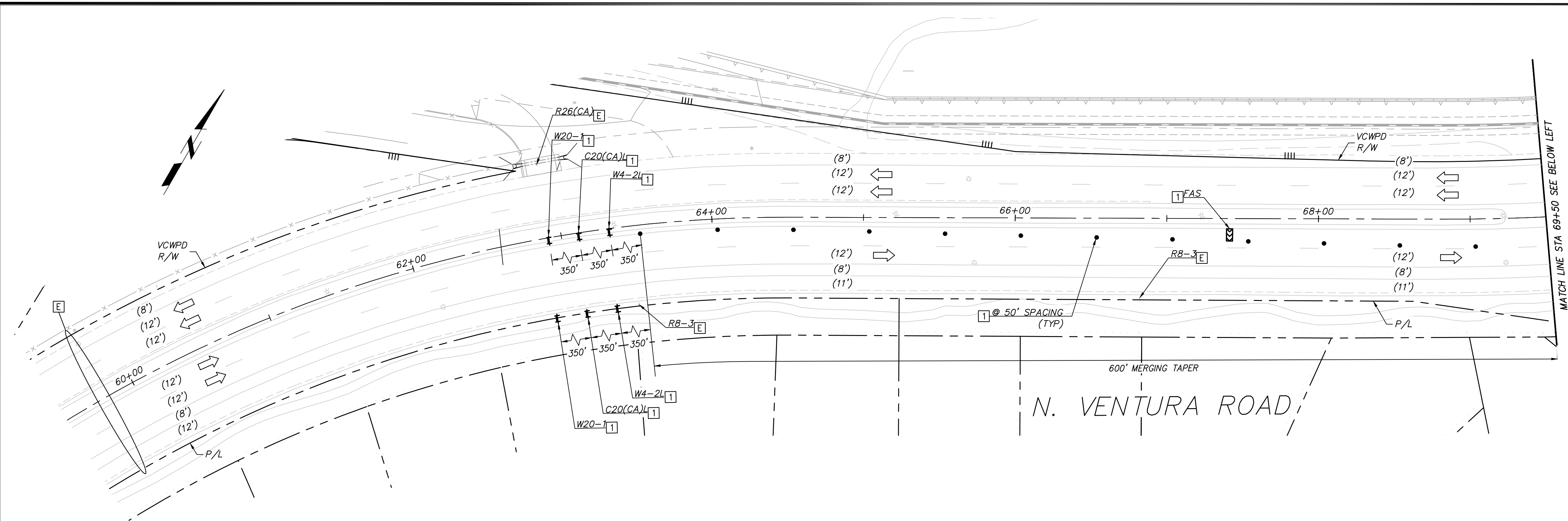
2022_0207_7/11

TRAFFIC CONTROL SIGNS THIS SHEET



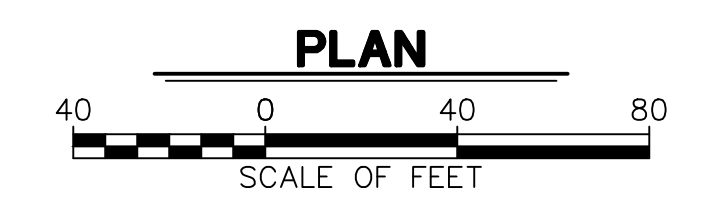
LEGEND AND CONSTRUCTION NOTES THIS SHEET:

- [E] EXISTING SIGN AND/OR STRIPING TO REMAIN
- [1] PROVIDE CONSTRUCTION SIGNS, BARRICADES, AND DELINEATORS, CRASH CUSHIONS (TYP)
- (S) SIGNALIZED INTERSECTION
- [+]
- [+]
- [P]
- [•]
- [FAS]
- [←]
- [12']
- [12']
- [//] WORK AREA THIS STAGE



City of Oxnard
 APPROVED BY: *[Signature]*
 01/30/2023
 KUMAR NEPPALLI/TRANSP. SERVICES MANAGER DATE

Notify Construction Services at (805) 797-3071
 2 days prior to start of work or for weekend work.
 City of Oxnard Traffic Engineering Division
 Phone #: (805) 385-7927 Email: miguel.guillen@oxnard.org



REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM

DESIGNED	AD	8/14/2024
DRAWN	AD	8/15/2024
CHECKED	RB	8/16/2024

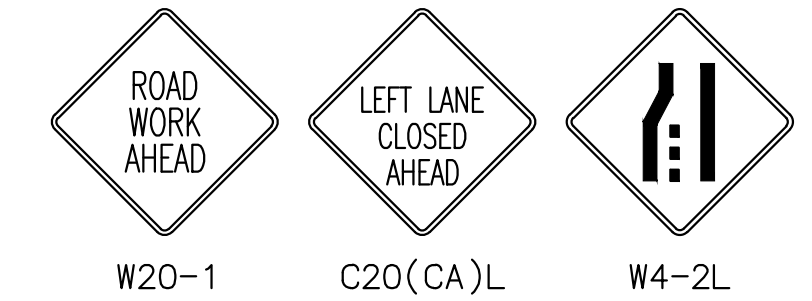
VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

SPEC. NO.	WP25-05
PROJ. NO.	82045

SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 STAGE 4 TRAFFIC CONTROL

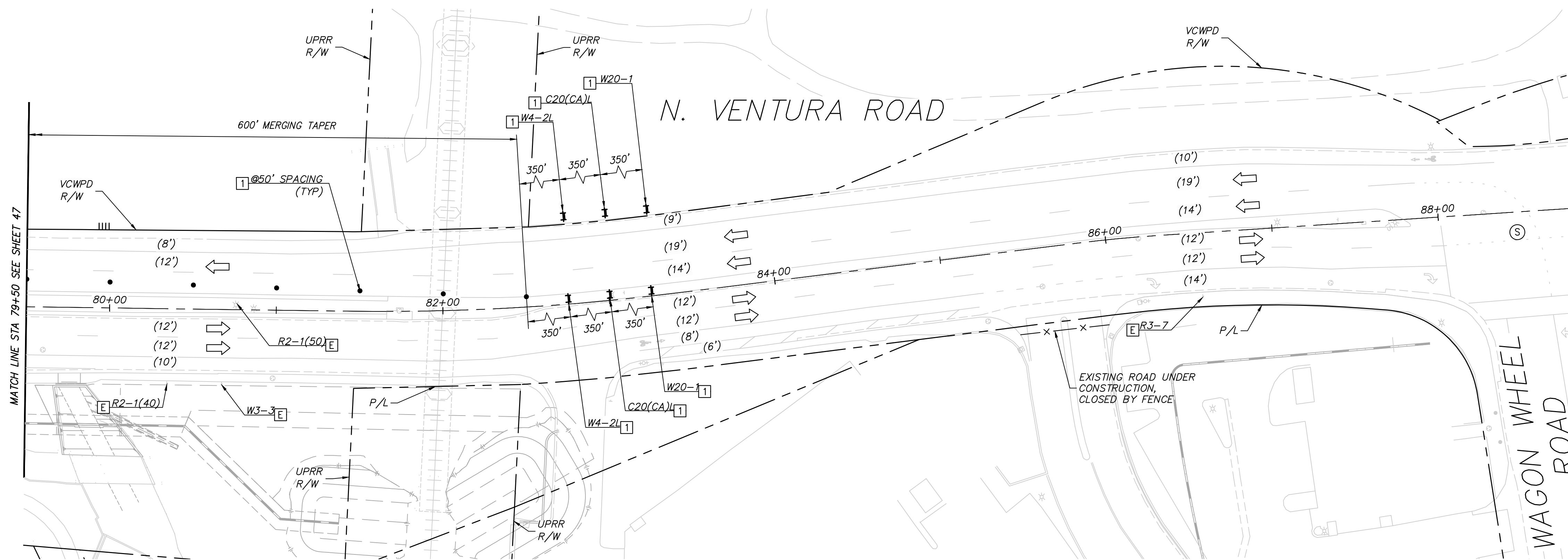
SHEET	50
OF	62
DRAWING SET NO.	WPD-2-388

TRAFFIC CONTROL SIGNS THIS SHEET



LEGEND AND CONSTRUCTION NOTES THIS SHEET:

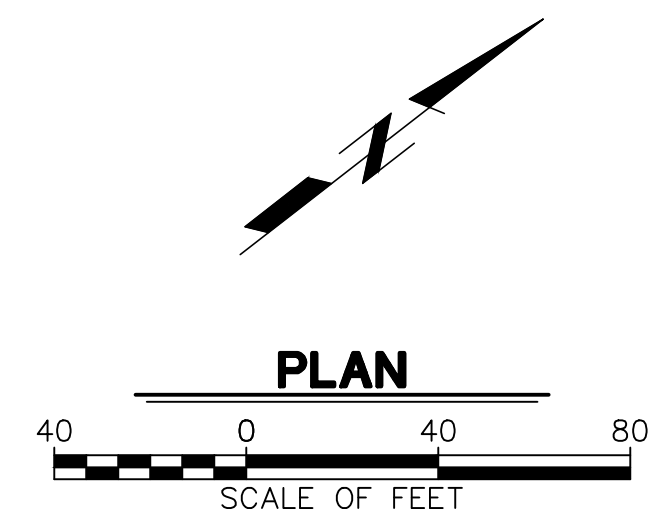
- [E] EXISTING SIGN AND/OR STRIPING TO REMAIN
- [1] PROVIDE CONSTRUCTION SIGNS, BARRICADES, AND DELINEATORS, CRASH CUSHIONS (TYP)
- (S) SIGNALIZED INTERSECTION
- ++ TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN
- ++ TYPE II BARRICADE
- ⊥ SIGN ON POST
- CHANNELIZER/DELINEATOR (TYP)
- ⚡ FLASHING ARROW SIGN (FAS)
- ← DIRECTION OF TRAVEL
- [12] CONSTRUCTION LANE DIMENSION
- (12') EXISTING LANE DIMENSION
- ▨ WORK AREA THIS STAGE



Notify Construction Services at (805) 797-3071
 2 days prior to start of work or for weekend work.
 City of Oxnard Traffic Engineering Division
 Phone #: (805) 385-7927 Email: miguel.guillen@oxnard.org

City of Oxnard
 APPROVED BY:

 01/30/2023
 KUMAR NEPPALLI/TRANSP. SERVICES MANAGER DATE



PLOT DATE: 12/20/22

SAVE DATE: 12/20/22 ALDRIN.DORADO H:\PDATA\136628\CADD\TRANSPW\DLV\STAGE\6628-TC-009.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM

Rosendo B. Guillen
 R.C.E. DATE: 12/21/22

DESIGNED	AD	8/14/2024
DRAWN	AD	8/15/2024
CHECKED	RB	8/16/2024

**VENTURA COUNTY
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION**

SPEC. NO.	WP25-05
PROJ. NO.	82045

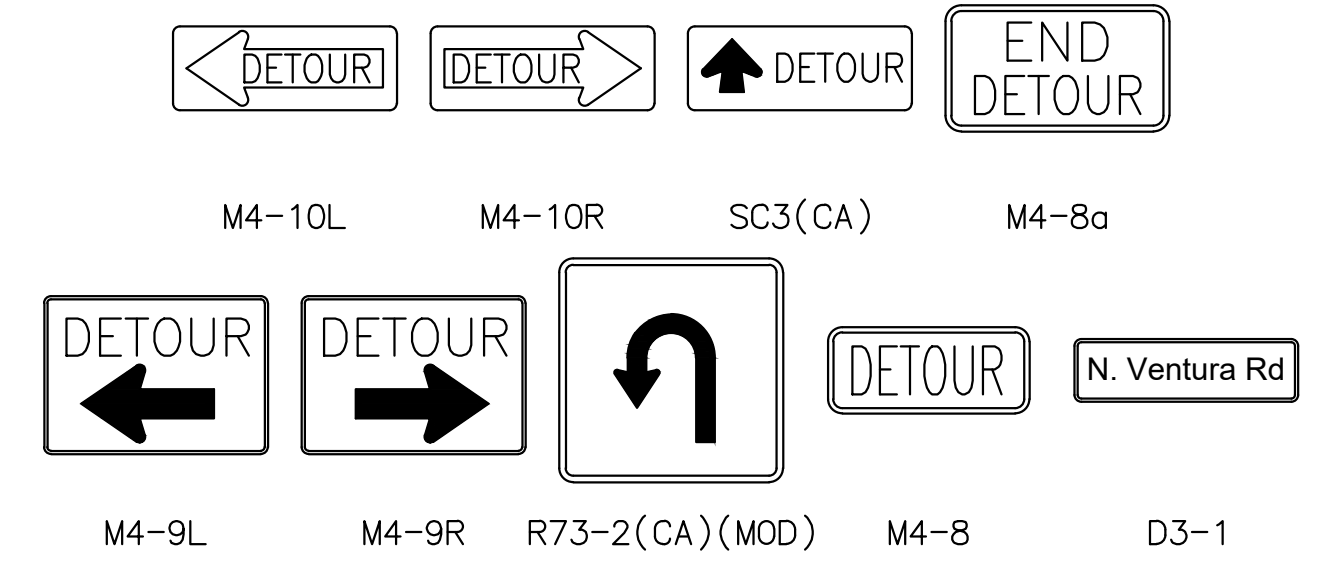
**SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2**
 STAGE 4 TRAFFIC CONTROL

SHEET	51
OF	62
DRAWING SET NO.	WPD-2-388

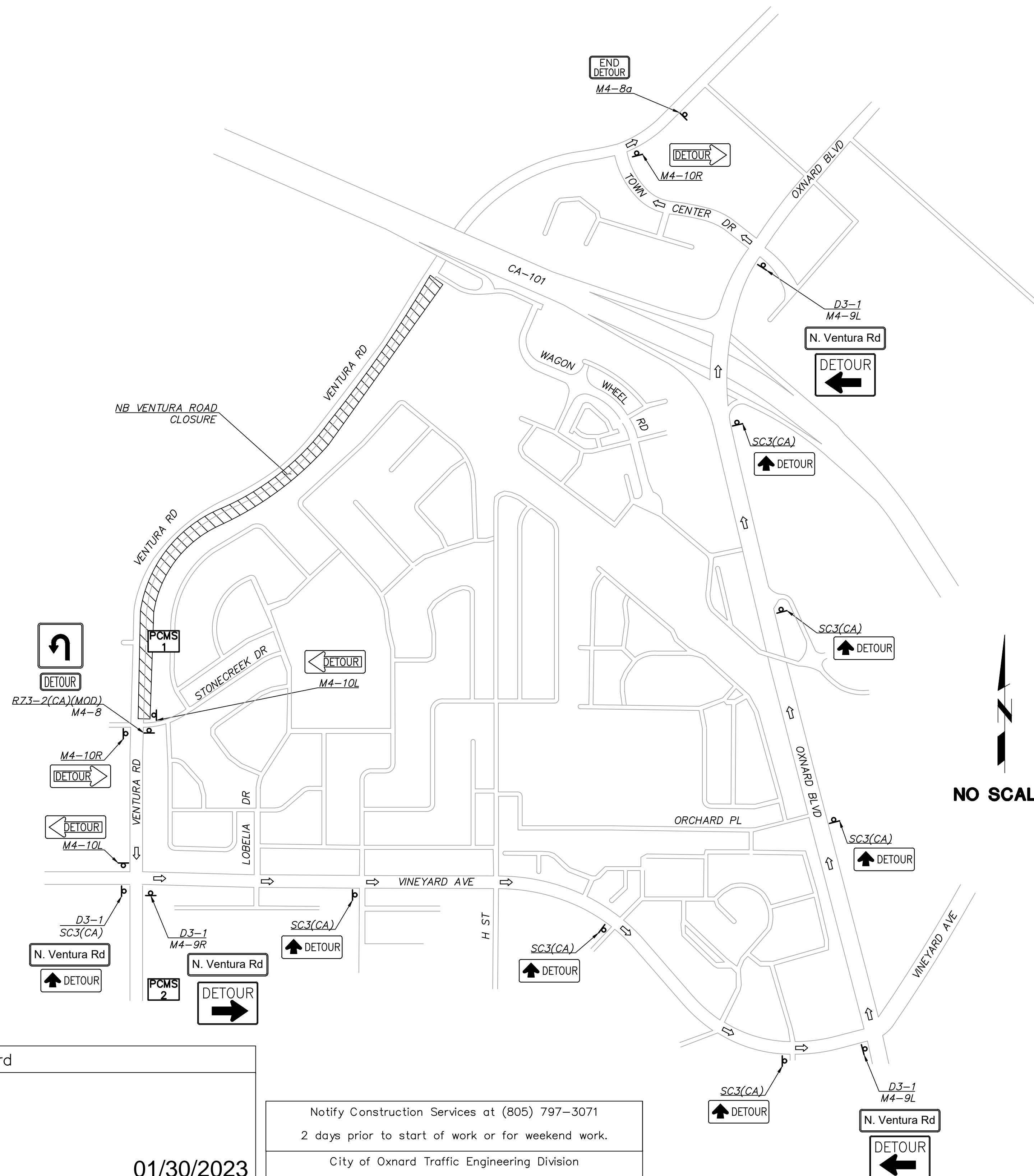
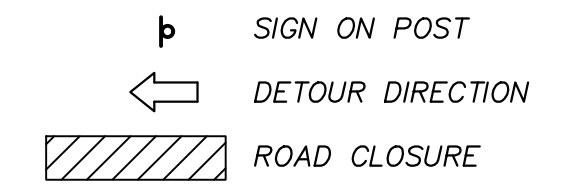
TRAFFIC CONTROL GENERAL NOTES:

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL THE TRAFFIC CONTROL DEVICES AS SHOWN HEREON, AS WELL AS ANY ADDITIONAL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED TO ENSURE THE SAFE MOVEMENT OF TRAFFIC AND PEDESTRIANS THROUGH OR AROUND THE WORK ZONE, AND PROVIDE MAXIMUM PROTECTION AND SAFETY TO CONSTRUCTION WORKERS.
- ALL TRAFFIC CONTROL DEVICES AND THEIR PLACEMENT SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), 2014 EDITION, REVISION 6.
- FIELD CHANGES, OTHER THAN MINOR ADJUSTMENTS APPROVED BY THE CITY'S INSPECTOR OR AUTHORIZED AGENT, MUST BE AUTHORIZED IN WRITING BY THE CITY OF OXNARD TRANSPORTATION SERVICES MANAGER OR CITY TRAFFIC ENGINEER AND PRIVATE ENGINEER.
- PLAN IMPLEMENTATION AND DEVICE PLACEMENT SHALL BE PERFORMED BY TRAINED PERSONNEL.
- ALL FLAGGERS SHALL BE CERTIFIED AS REQUIRED BY CAL OSHA.
- TRAFFIC CONTROL DEVICES MUST BE MONITORED AND MAINTAINED BY THE CONTRACTOR AT ALL TIMES.
- TEMPORARY NO PARKING SIGNS MUST BE PLACED 72 HOURS IN ADVANCE OF SCHEDULED CLOSURE.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS, RESIDENCES AND BUSINESS AT ALL TIMES UNLESS OTHERWISE NOTED. CONTRACTOR SHALL NOTIFY ALL AFFECTED RESIDENCES AND BUSINESSES THREE BUSINESS DAYS IN ADVANCE PRIOR TO CLOSURE OF A DRIVEWAY OR ACCESS.
- CONTRACTOR SHALL NOTIFY CONSTRUCTION SERVICES AT (805) 797-0818 TWO (2) BUSINESS DAYS PRIOR TO THE START OF WORK.
- ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED AT THE END OF THE WORKING DAY. WORKING HOURS AUTHORIZED BY THE CITY OF OXNARD SHALL NOT BE VIOLATED. VIOLATIONS MAY RESULT IN A STOP-WORK ISSUED BY THE CITY INSPECTOR.
- TRAFFIC CONTROL DEVICES TO REMAIN IN PLACE OVERNIGHT SHALL BE LIGHTED.
- TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED ON PRIVATE PROPERTY.
- CONTRACTOR AND PM SHALL CONTACT GOLD COAST TRANSIT AT LEAST THREE BUSINESS DAYS BEFORE ANY WORK NEAR A BUS STOP OR THE OTC.
- FLAGGERS SHALL BE USED WHILE WORKING NEAR DRIVEWAYS TO HELP VEHICLES ENTER AND EXIT.
- FLAGGERS SHALL BE USED WHILE WORKING NEAR INTERSECTIONS TO HELP VEHICLES AND PEDESTRIANS.
- WORKING HOURS ARE FROM 9:00 AM TO 4:00 PM NEAR A SIGNALIZED INTERSECTION.
- CONTRACTOR SHALL CONTACT THE CITY TRAFFIC ENGINEER IN ADVANCE, AT LEAST THREE BUSINESS DAYS TO ARRANGE ANY TRAFFIC SIGNAL MODIFICATION/CONFIGURATION FOR THIS PROJECT.
- AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF WORK, THE CONTRACTORS SHALL PROVIDE PORTABLE CHANGEABLE MESSAGE SIGNS IN ALL DIRECTIONS OF TRAVEL (INCLUDING SIDE STREETS), TO WARN THE PUBLIC OF THE WORK.
- CONTRACTOR SHALL PROVIDE PCMS 1 AND PCMS 2 TWO MONTHS PRIOR TO THE START OF VENTURA ROAD CLOSURE.

TRAFFIC CONTROL SIGNS THIS SHEET



LEGEND AND CONSTRUCTION NOTES THIS SHEET:



NO SCALE

MESSAGE 2 MONTHS PRIOR TO CONSTRUCTION

PCMS 1	VENTURA ROAD CLOSED DATE THRU DATE
PCMS 2	VENTURA ROAD CLOSED DATE THRU DATE

MESSAGE DURING CONSTRUCTION

PCMS 2	VENTURA ROAD CLOSED DETOUR AHEAD
--------	-------------------------------------

City of Oxnard
 APPROVED BY: *[Signature]*
 01/30/2023
 KUMAR NEPPALLI/TRANSP. SERVICES MANAGER DATE

Notify Construction Services at (805) 797-3071
 2 days prior to start of work or for weekend work.
 City of Oxnard Traffic Engineering Division
 Phone #: (805) 385-7927 Email: miguel.guillen@oxnard.org



DATE: 12/20/22

SAVE DATE: 12/20/22 JAVIER.RUEDAS H:\PDATA\136628\CADD\TRANSPW\DLV\STAGE\6628-TC-DET-001.DWG

REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@MBAKERINTL.COM
 12/21/22
 R.C.E. DATE

DESIGNED	AD	8/14/2024
DRAWN	AD	8/15/2024
CHECKED	RB	8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

SPEC. NO.	WP25-05
PROJ. NO.	82045

SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 STAGE 2 DETOUR PLANS

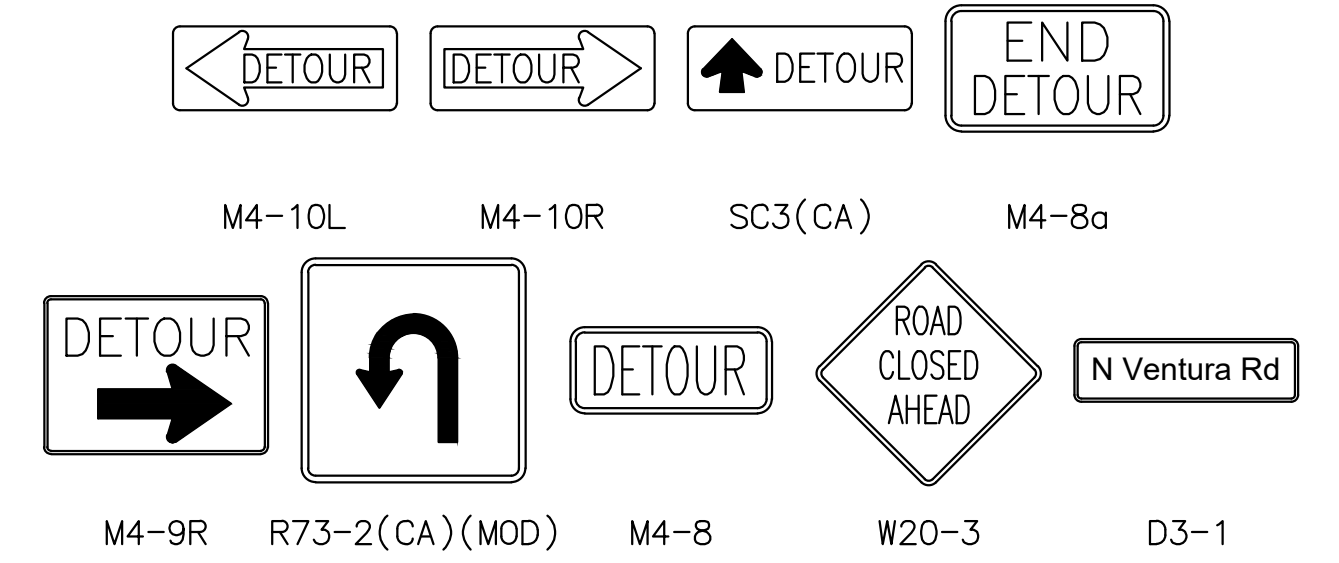
SHEET	52
OF	62
DRAWING SET NO.	WPD-2-388

2022_0207_10/11

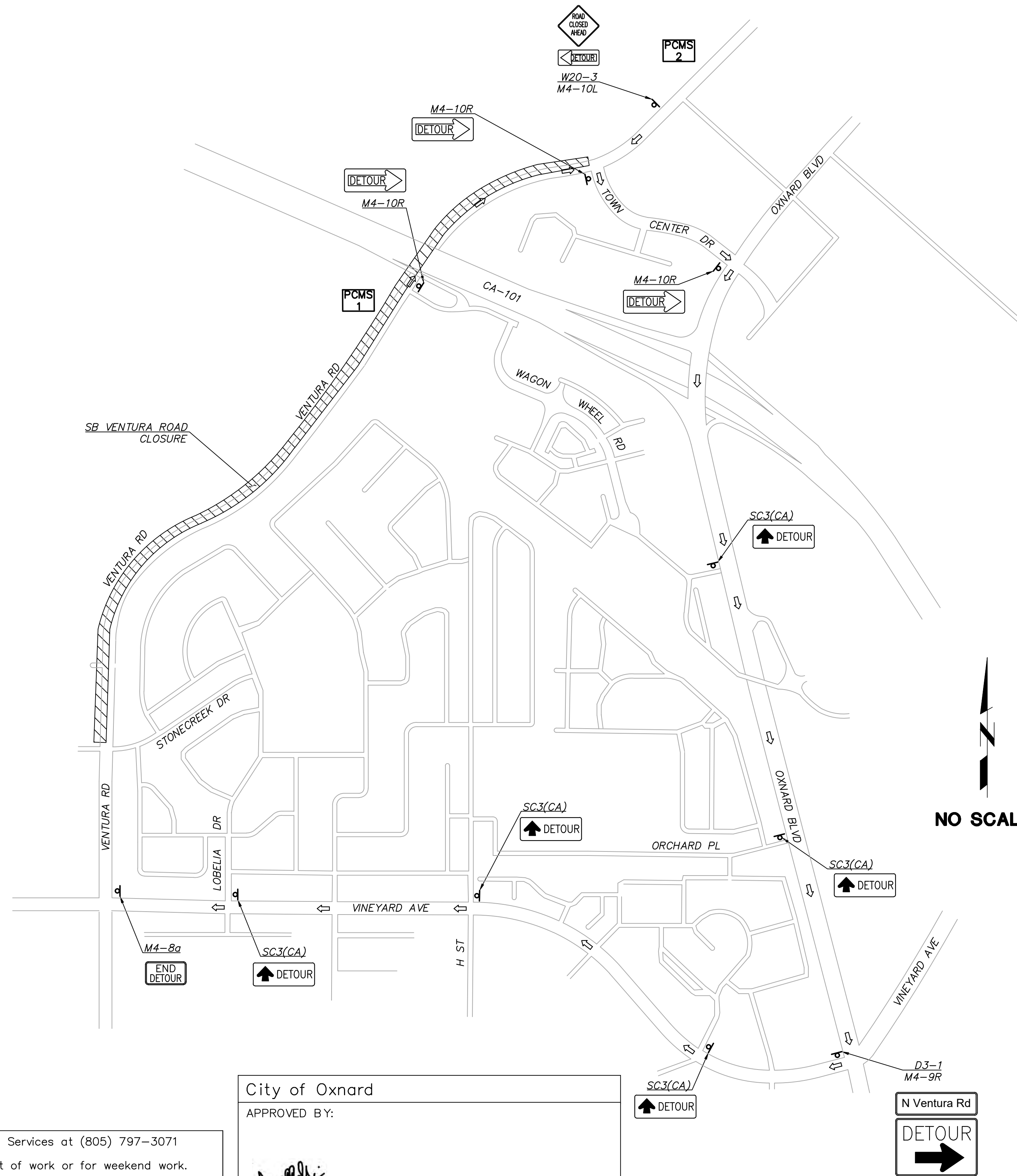
TRAFFIC CONTROL GENERAL NOTES:

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL THE TRAFFIC CONTROL DEVICES AS SHOWN HEREON, AS WELL AS ANY ADDITIONAL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED TO ENSURE THE SAFE MOVEMENT OF TRAFFIC AND PEDESTRIANS THROUGH OR AROUND THE WORK ZONE, AND PROVIDE MAXIMUM PROTECTION AND SAFETY TO CONSTRUCTION WORKERS.
- ALL TRAFFIC CONTROL DEVICES AND THEIR PLACEMENT SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), 2014 EDITION, REVISION 6.
- FIELD CHANGES, OTHER THAN MINOR ADJUSTMENTS APPROVED BY THE CITY'S INSPECTOR OR AUTHORIZED AGENT, MUST BE AUTHORIZED IN WRITING BY THE CITY OF OXNARD TRANSPORTATION SERVICES MANAGER OR CITY TRAFFIC ENGINEER AND PRIVATE ENGINEER.
- PLAN IMPLEMENTATION AND DEVICE PLACEMENT SHALL BE PERFORMED BY TRAINED PERSONNEL.
- ALL FLAGGERS SHALL BE CERTIFIED AS REQUIRED BY CAL OSHA.
- TRAFFIC CONTROL DEVICES MUST BE MONITORED AND MAINTAINED BY THE CONTRACTOR AT ALL TIMES.
- TEMPORARY NO PARKING SIGNS MUST BE PLACED 72 HOURS IN ADVANCE OF SCHEDULED CLOSURE.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS, RESIDENCES AND BUSINESS AT ALL TIMES UNLESS OTHERWISE NOTED. CONTRACTOR SHALL NOTIFY ALL AFFECTED RESIDENCES AND BUSINESSES THREE BUSINESS DAYS IN ADVANCE PRIOR TO CLOSURE OF A DRIVEWAY OR ACCESS.
- CONTRACTOR SHALL NOTIFY CONSTRUCTION SERVICES AT (805) 797-0818 TWO (2) BUSINESS DAYS PRIOR TO THE START OF WORK.
- ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED AT THE END OF THE WORKING DAY. WORKING HOURS AUTHORIZED BY THE CITY OF OXNARD SHALL NOT BE VIOLATED. VIOLATIONS MAY RESULT IN A STOP-WORK ISSUED BY THE CITY INSPECTOR.
- TRAFFIC CONTROL DEVICES TO REMAIN IN PLACE OVERNIGHT SHALL BE LIGHTED.
- TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED ON PRIVATE PROPERTY.
- CONTRACTOR AND PM SHALL CONTACT GOLD COAST TRANSIT AT LEAST THREE BUSINESS DAYS BEFORE ANY WORK NEAR A BUS STOP OR THE OTC.
- FLAGGERS SHALL BE USED WHILE WORKING NEAR DRIVEWAYS TO HELP VEHICLES ENTER AND EXIT.
- FLAGGERS SHALL BE USED WHILE WORKING NEAR INTERSECTIONS TO HELP VEHICLES AND PEDESTRIANS.
- WORKING HOURS ARE FROM 9:00 AM TO 4:00 PM NEAR A SIGNALIZED INTERSECTION.
- CONTRACTOR SHALL CONTACT THE CITY TRAFFIC ENGINEER IN ADVANCE, AT LEAST THREE BUSINESS DAYS TO ARRANGE ANY TRAFFIC SIGNAL MODIFICATION/CONFIGURATION FOR THIS PROJECT.
- AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF WORK, THE CONTRACTORS SHALL PROVIDE PORTABLE CHANGEABLE MESSAGE SIGNS IN ALL DIRECTIONS OF TRAVEL (INCLUDING SIDE STREETS), TO WARN THE PUBLIC OF THE WORK.
- CONTRACTOR SHALL PROVIDE PCMS 1 AND PCMS 2 TWO MONTHS PRIOR TO THE START OF VENTURA ROAD CLOSURE.

TRAFFIC CONTROL SIGNS THIS SHEET



LEGEND AND CONSTRUCTION NOTES THIS SHEET:



NO SCALE

MESSAGE 2 MONTHS PRIOR TO CONSTRUCTION

PCMS 1	VENTURA ROAD CLOSED DATE THRU DATE
PCMS 2	VENTURA ROAD CLOSED DATE THRU DATE

MESSAGE DURING CONSTRUCTION

PCMS 2	VENTURA ROAD CLOSED DETOUR AHEAD
--------	-------------------------------------

Notify Construction Services at (805) 797-3071
2 days prior to start of work or for weekend work.
City of Oxnard Traffic Engineering Division
Phone #: (805) 385-7927 Email: miguel.guillen@oxnard.org

City of Oxnard
APPROVED BY:
[Signature]
01/30/2023
KUMAR NEPPALLI/TRANSP. SERVICES MANAGER DATE



REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM
R.C.E. 12/21/22

DESIGNED: AD 8/14/2024
DRAWN: AD 8/15/2024
CHECKED: RB 8/16/2024
Watershed Project Manager
Watershed Deputy Director
Watershed Director

VENTURA COUNTY PUBLIC WORKS AGENCY
WATERSHED PROTECTION

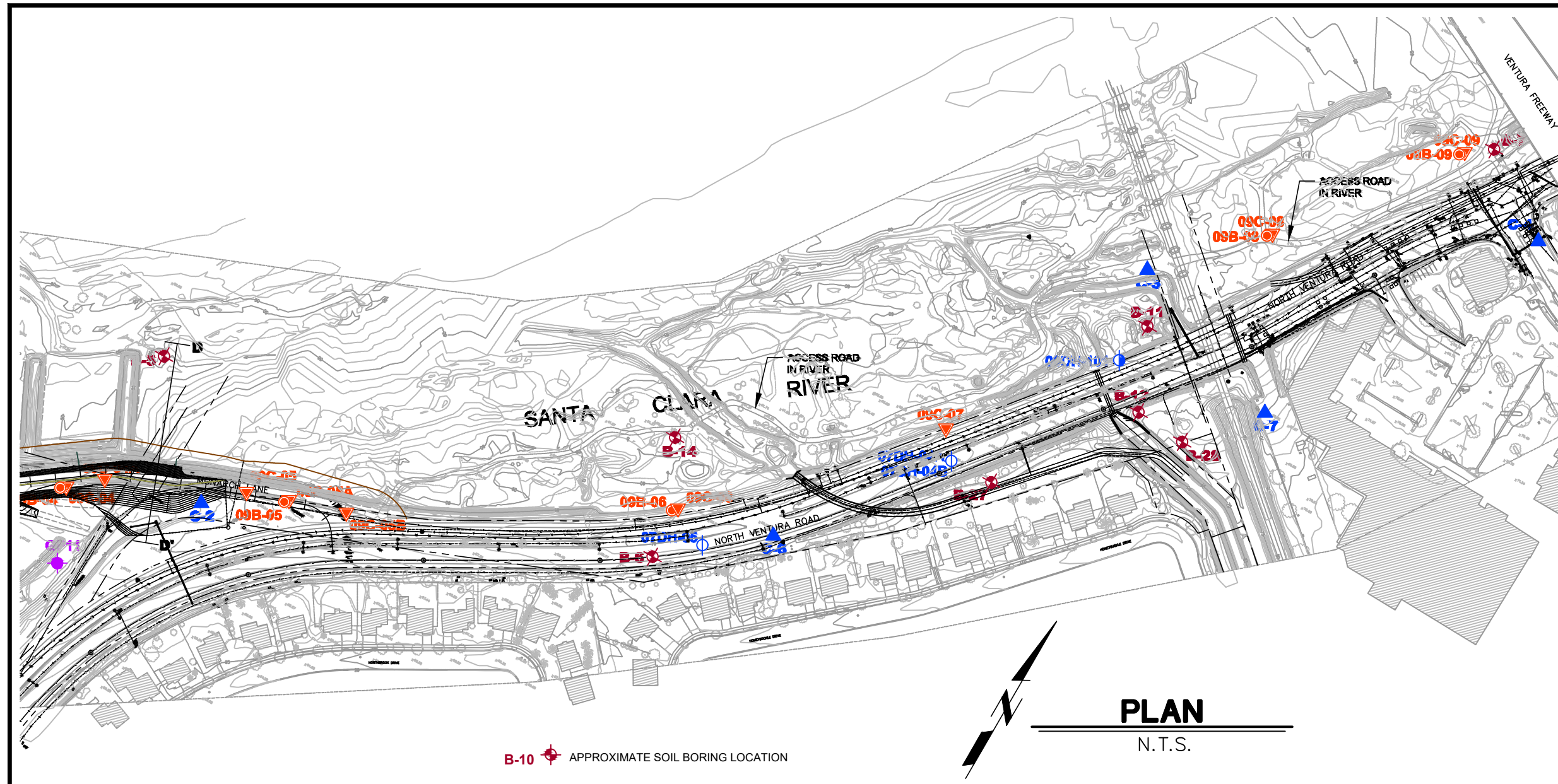
SPEC. NO. WP25-05
PROJ. NO. 82045

SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
STAGE 3 DETOUR PLANS

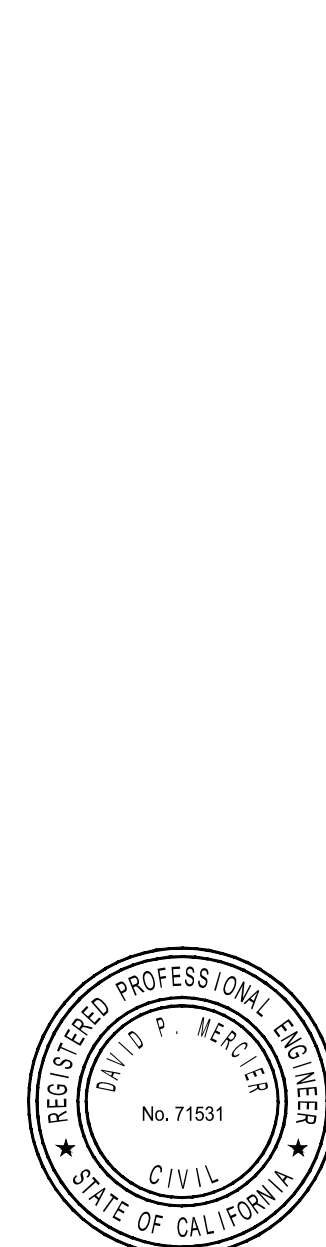
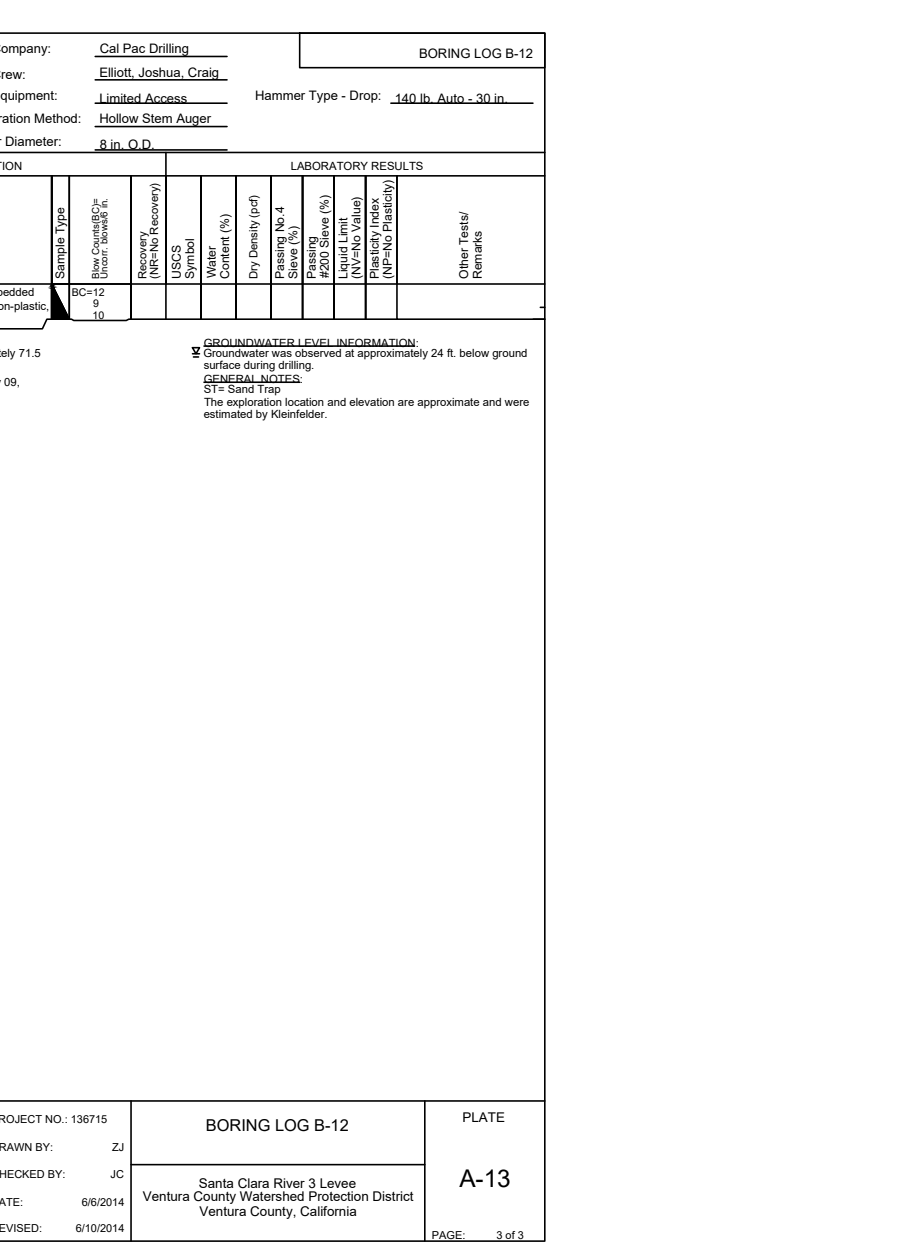
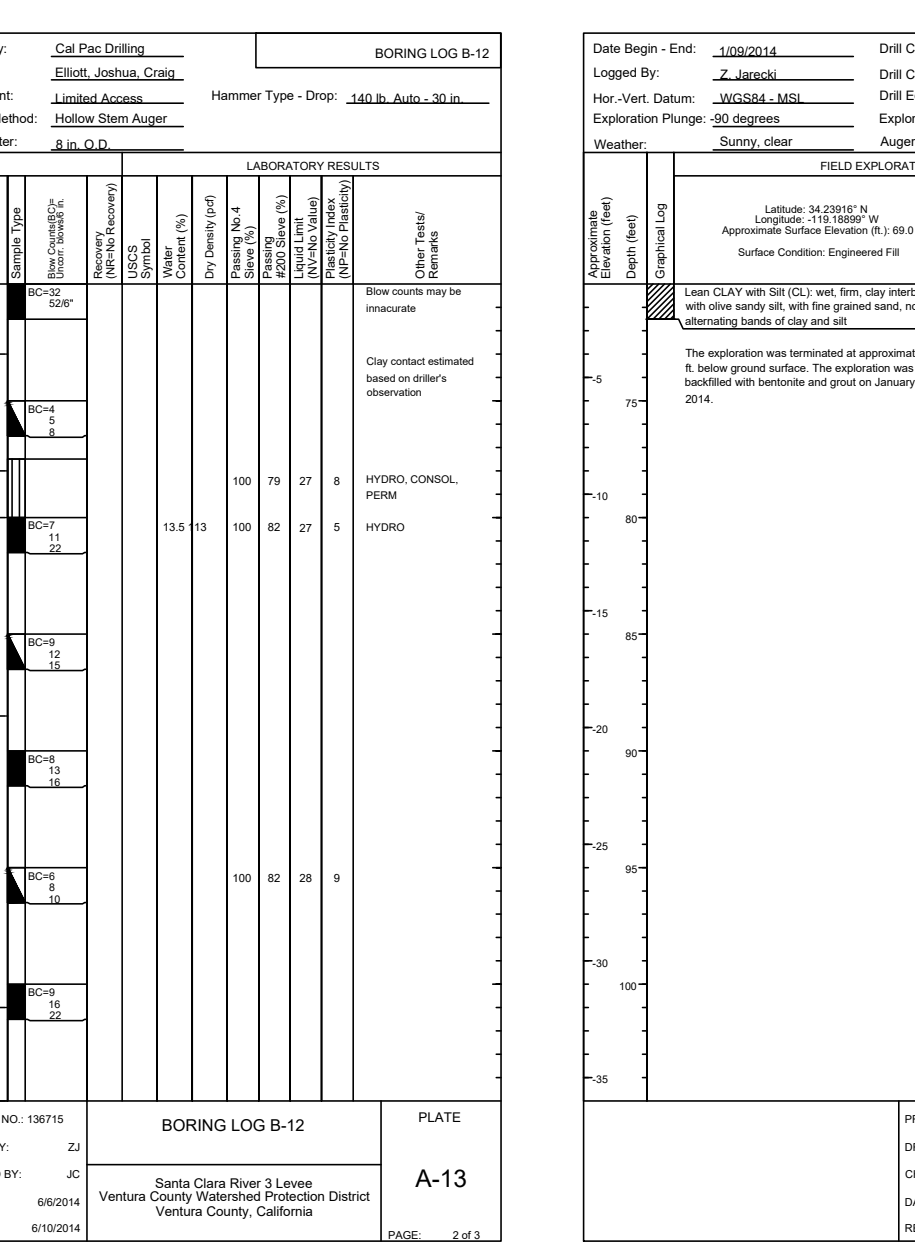
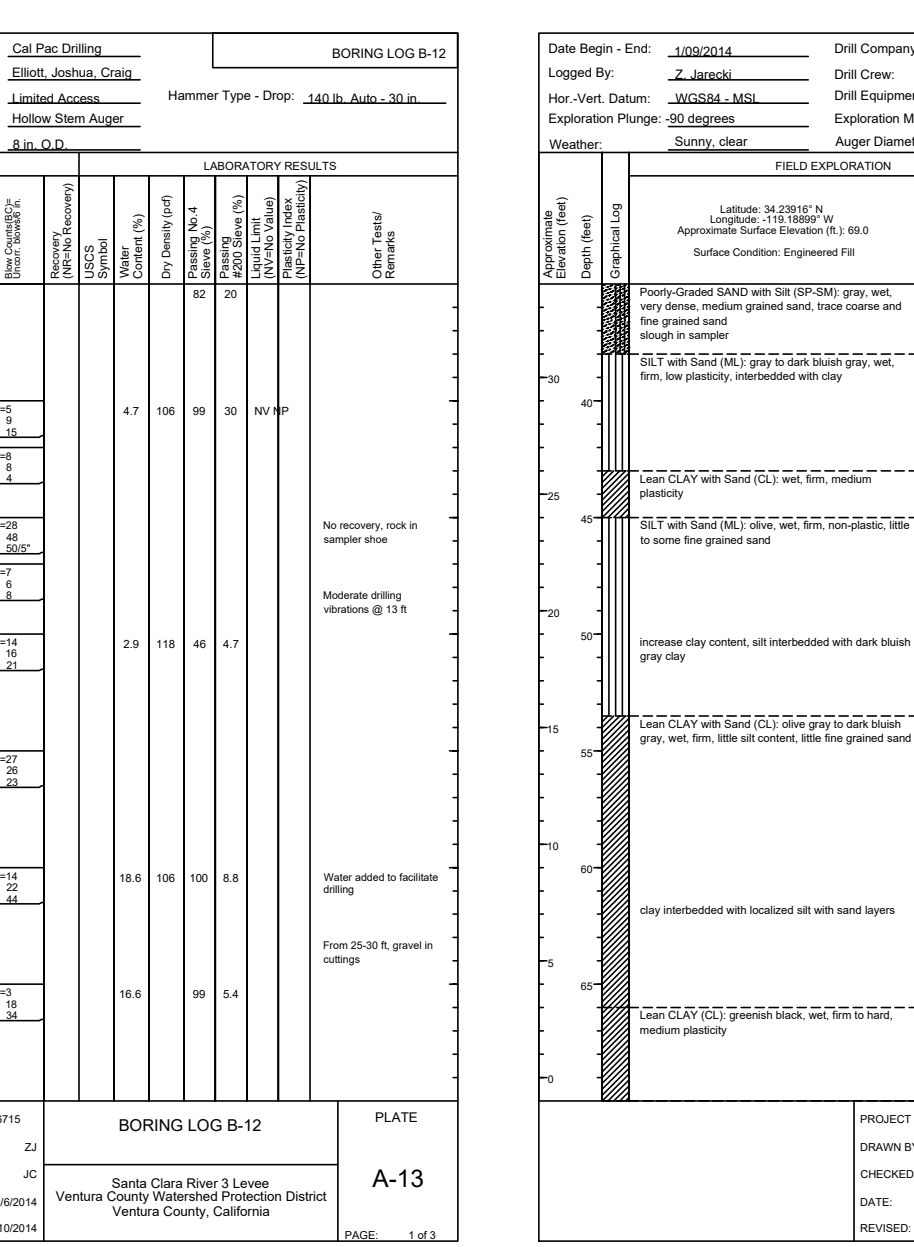
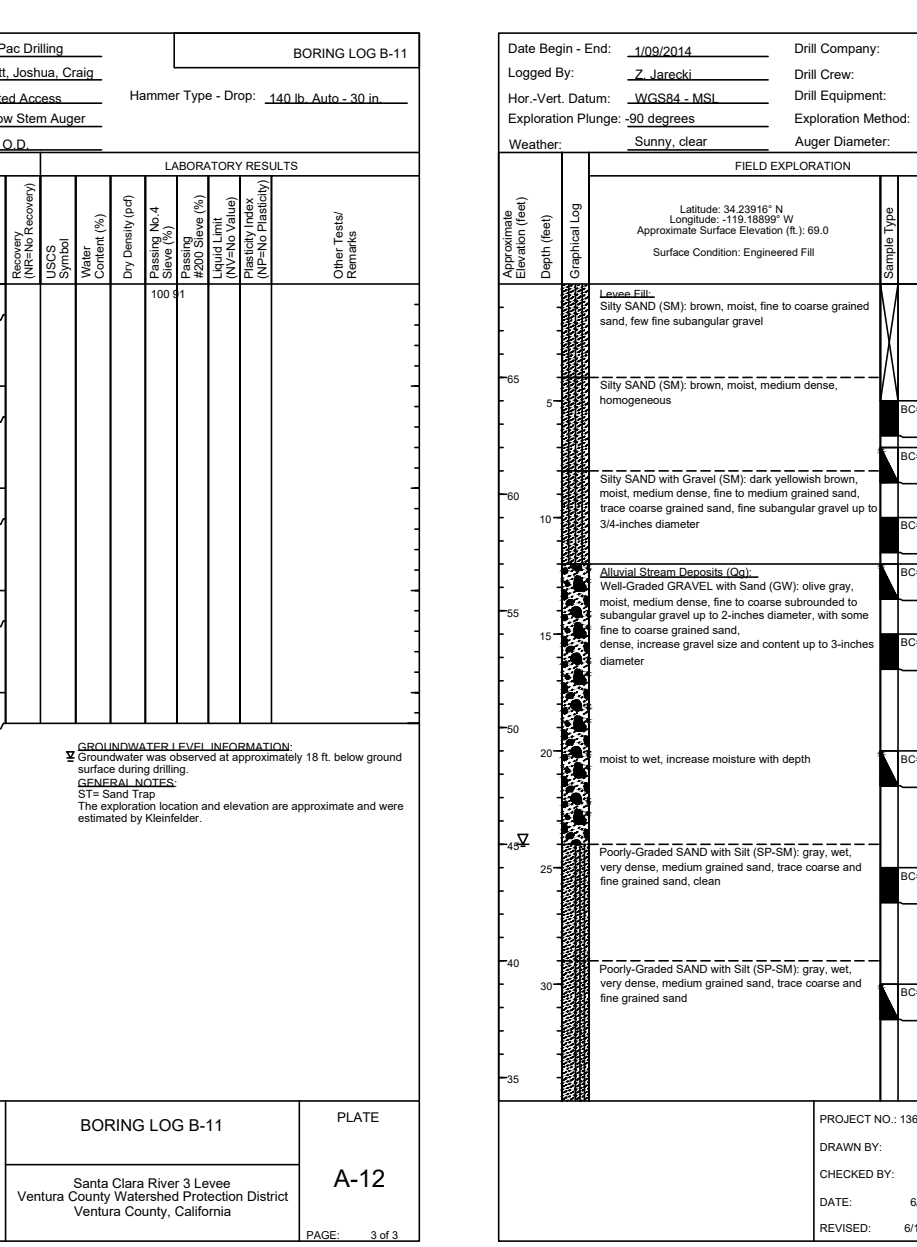
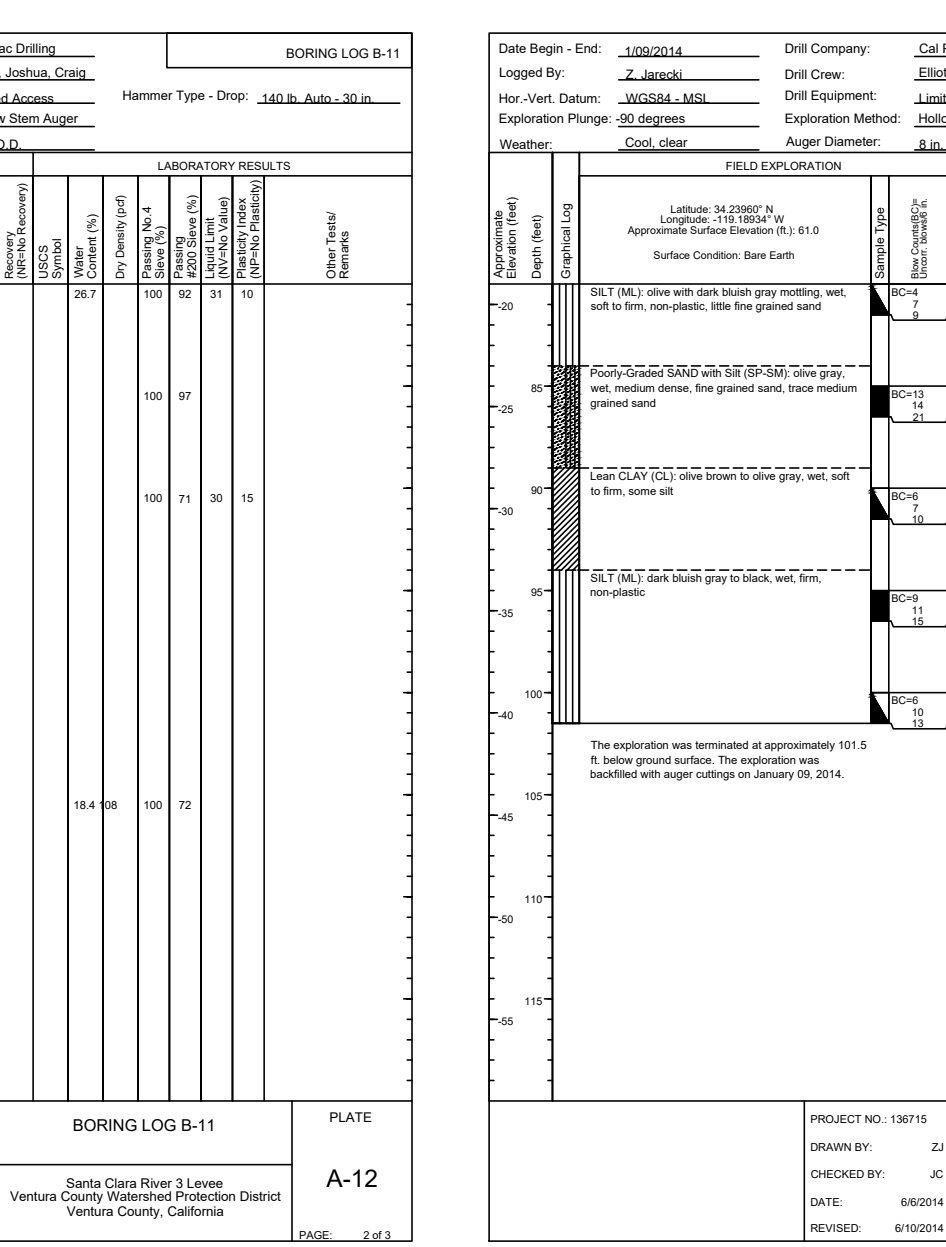
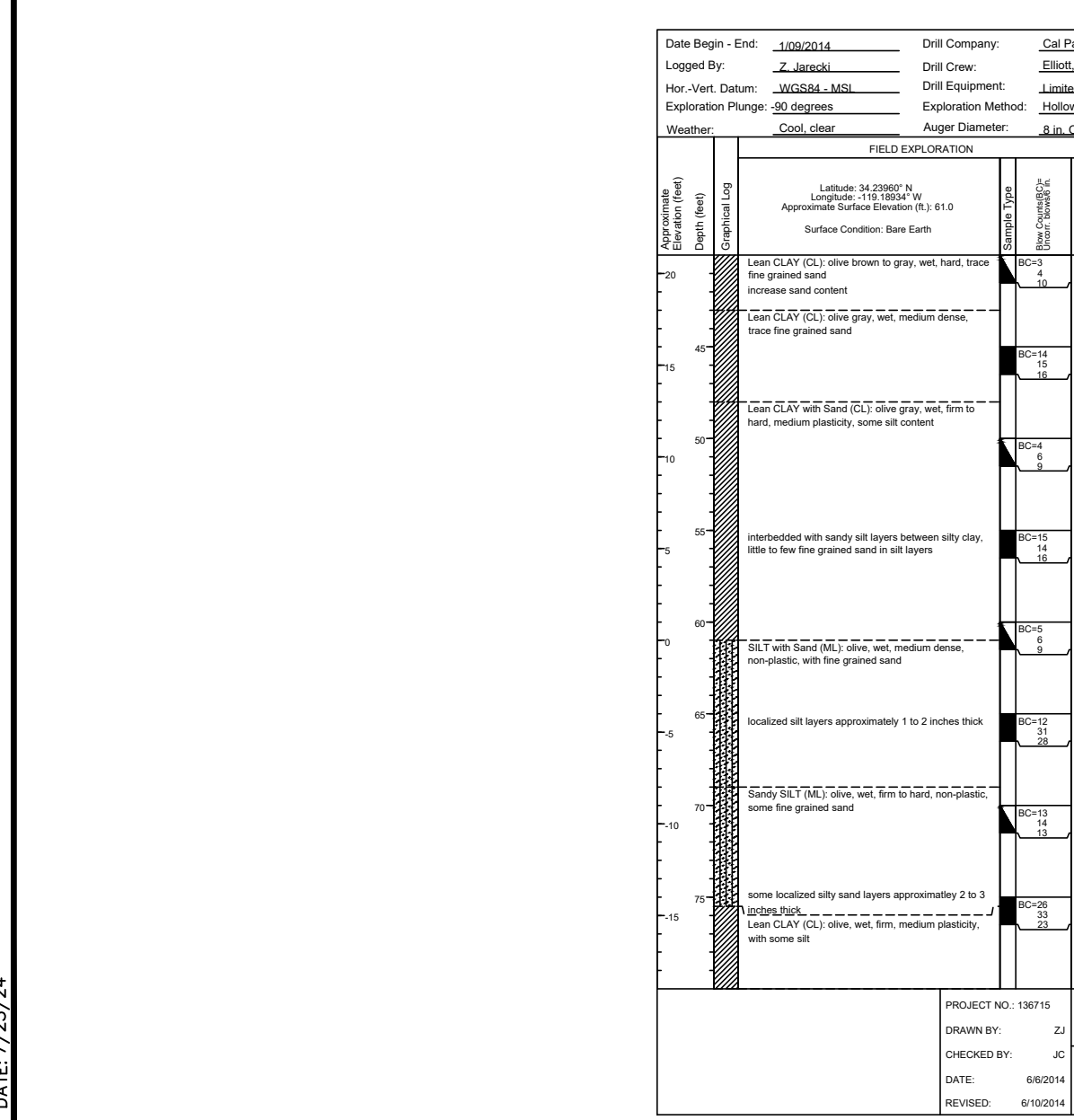
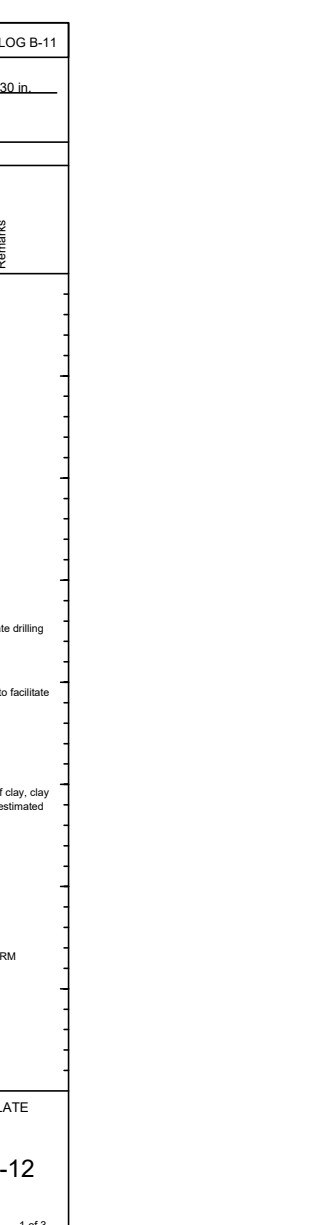
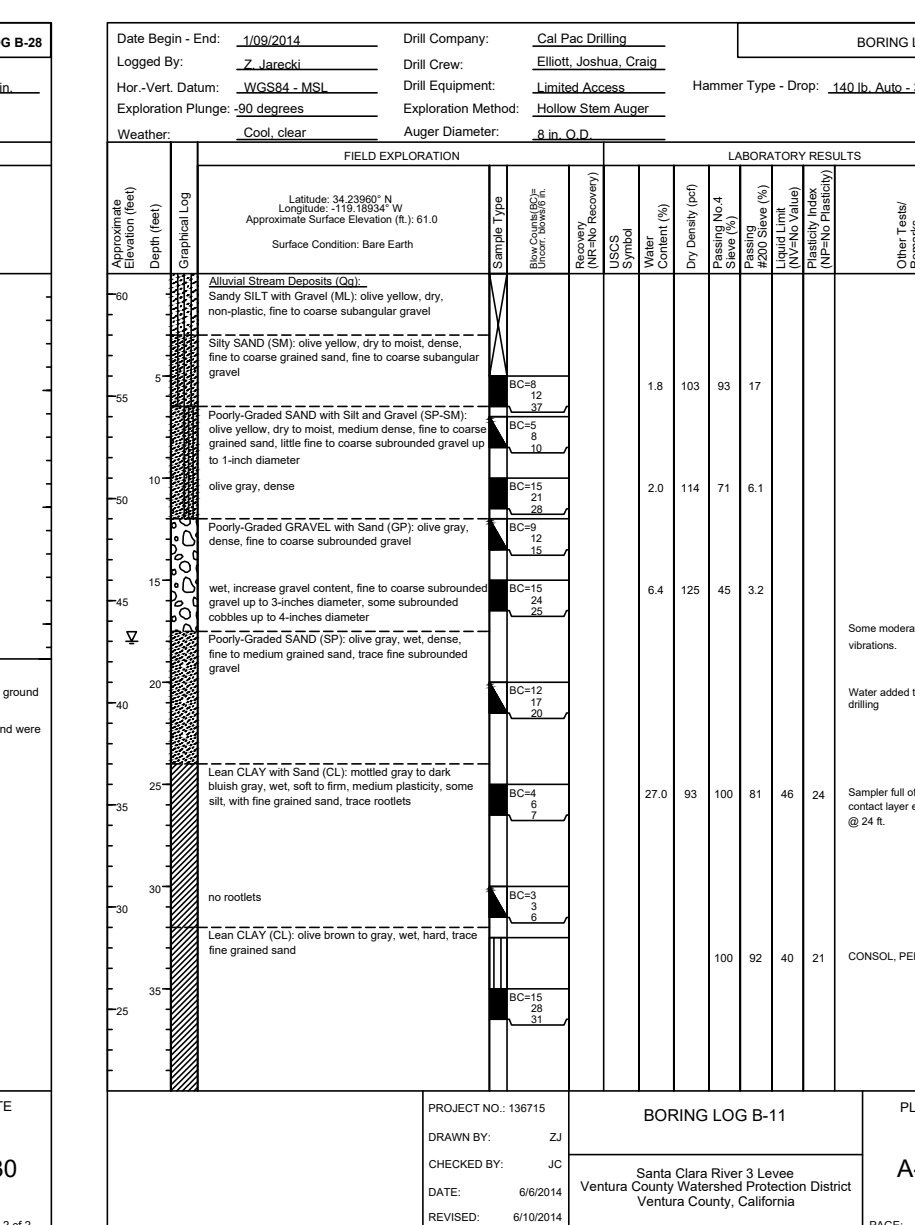
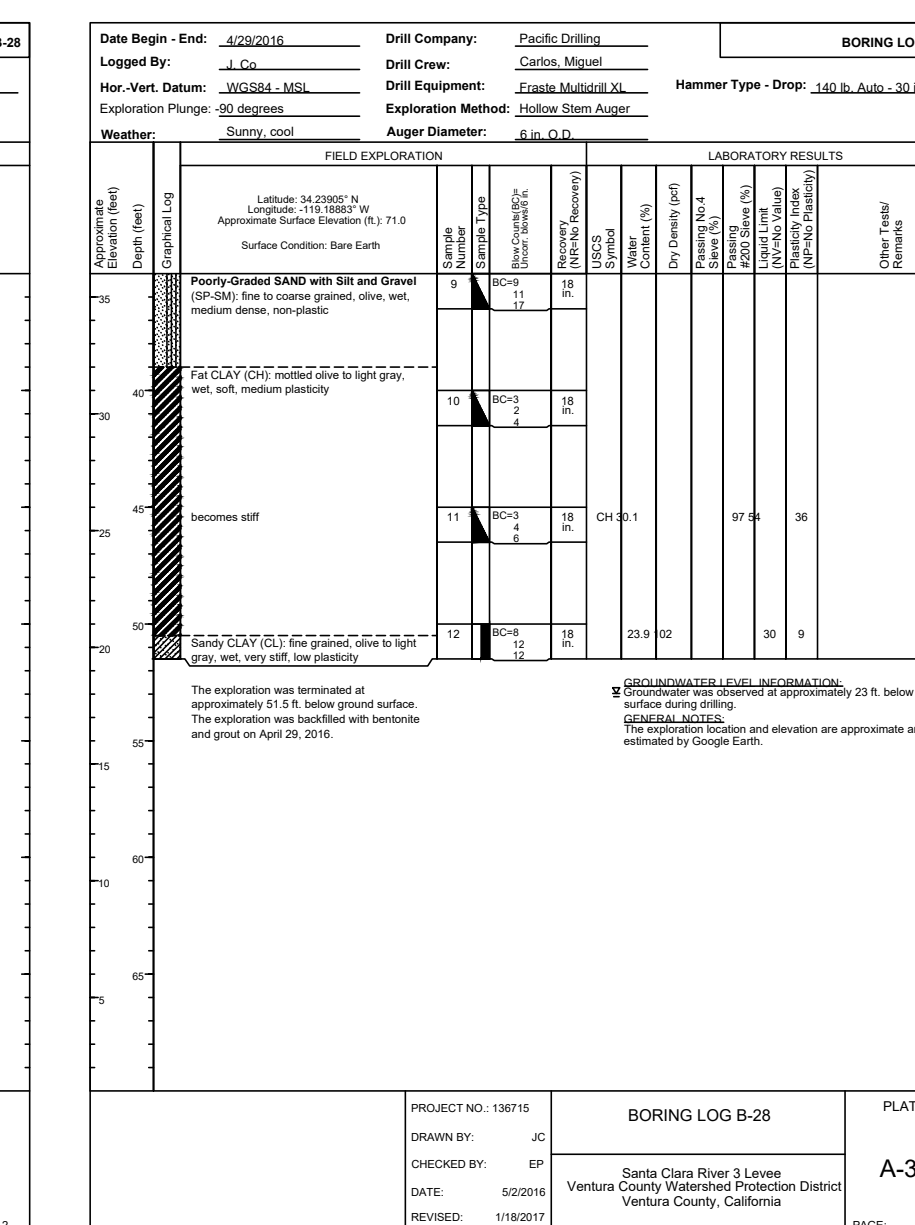
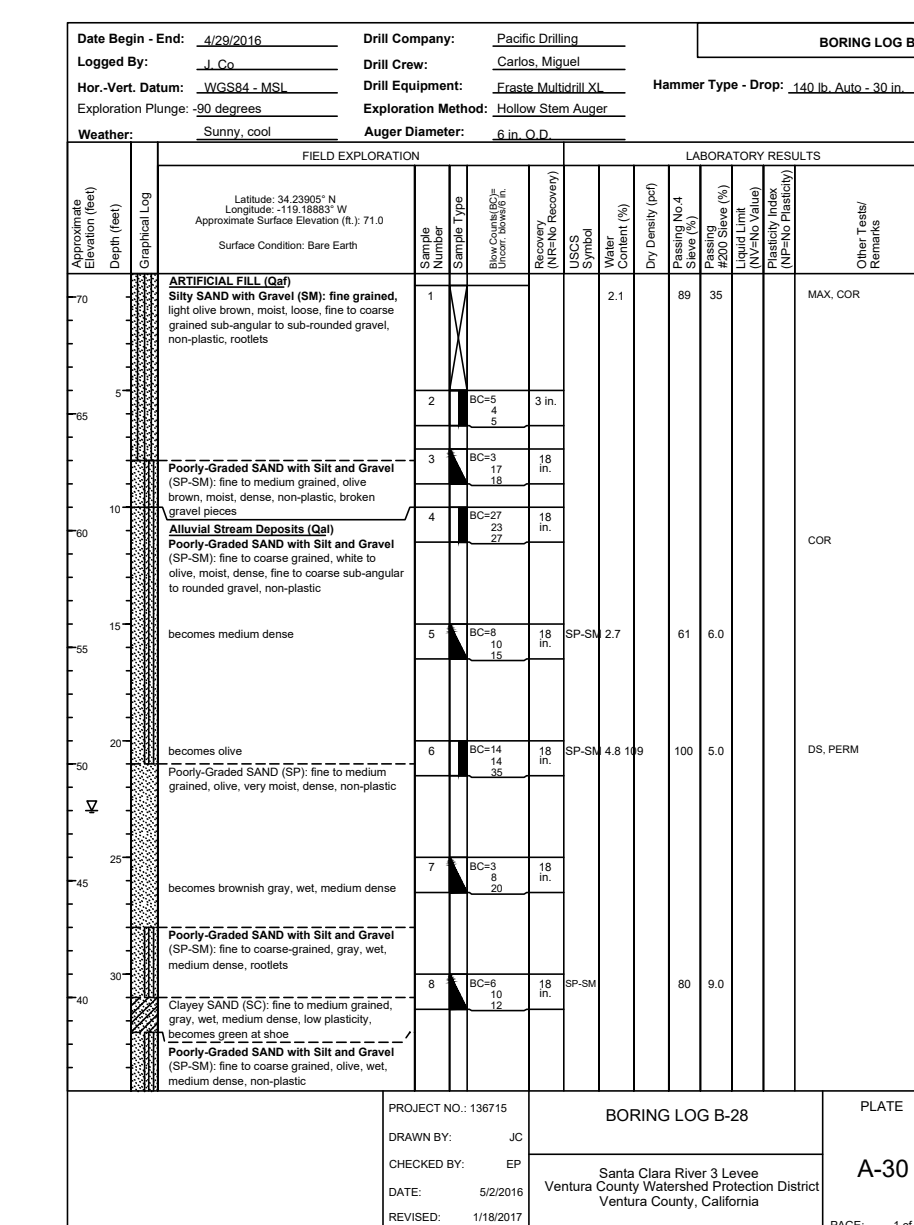
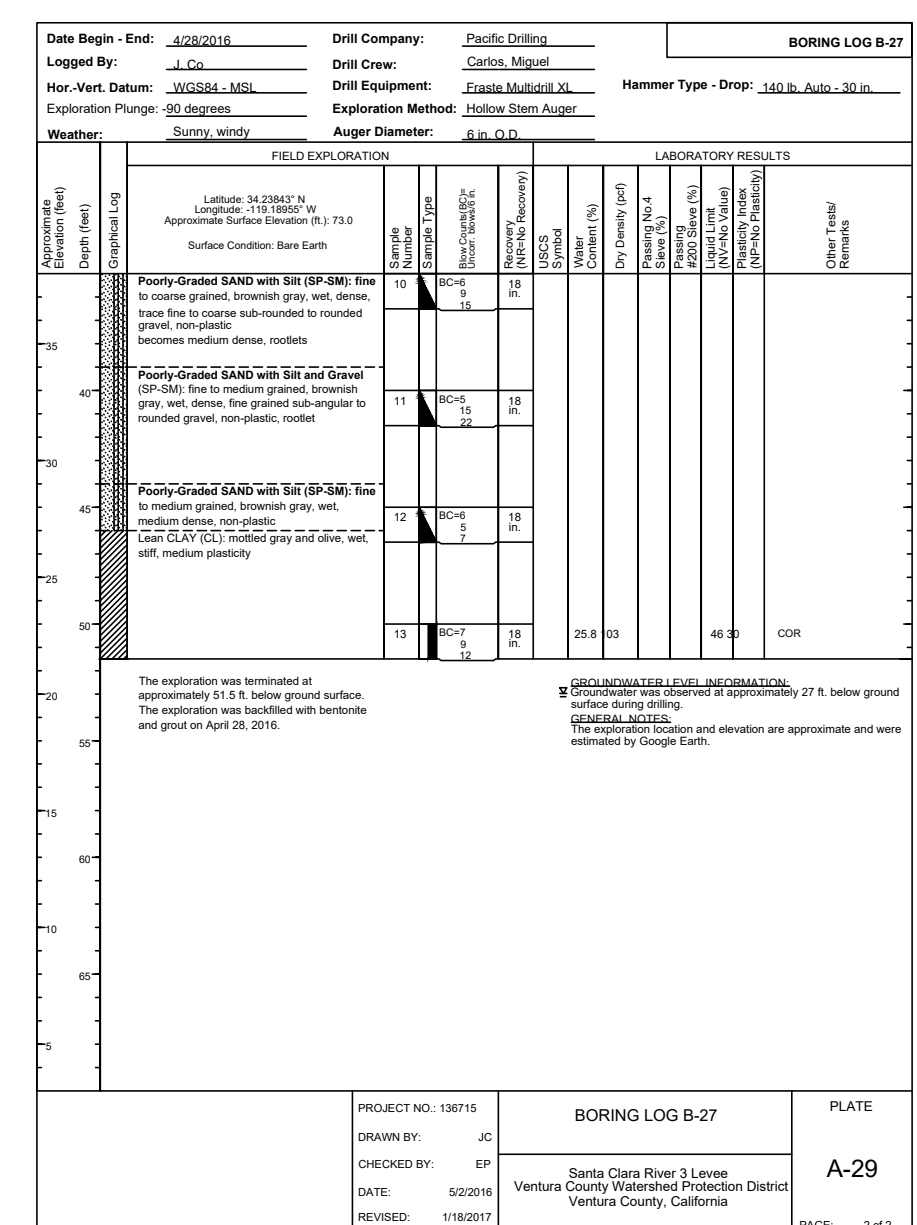
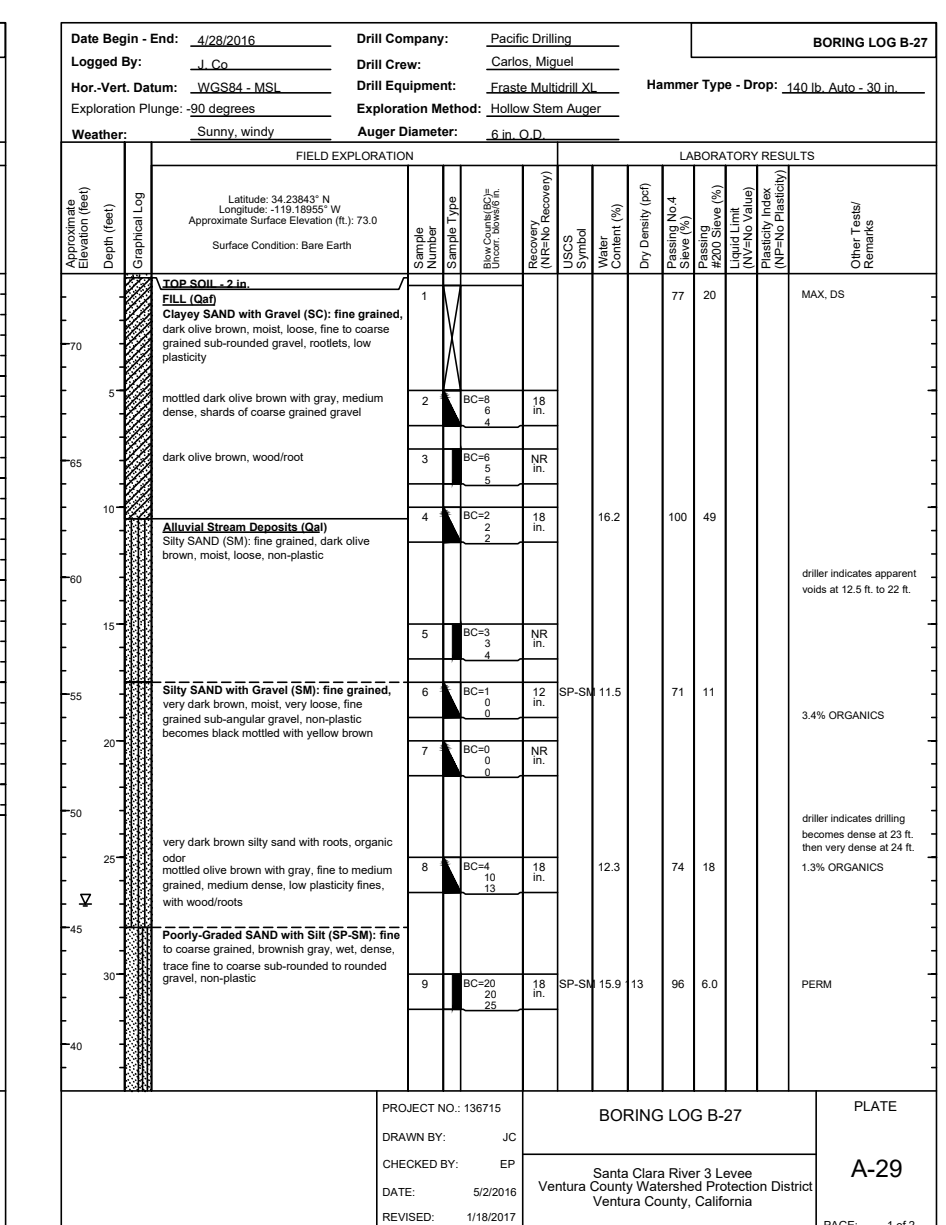
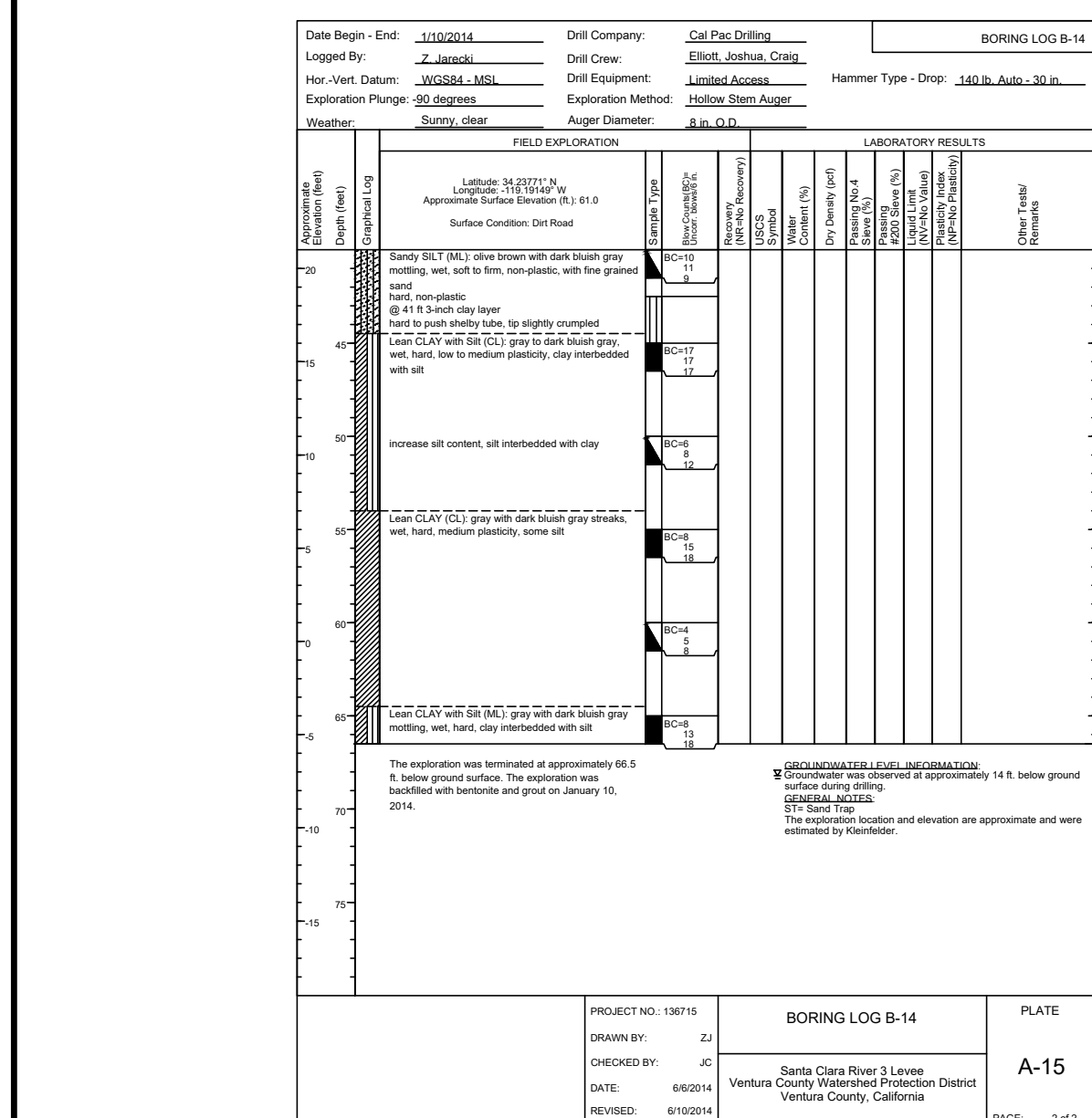
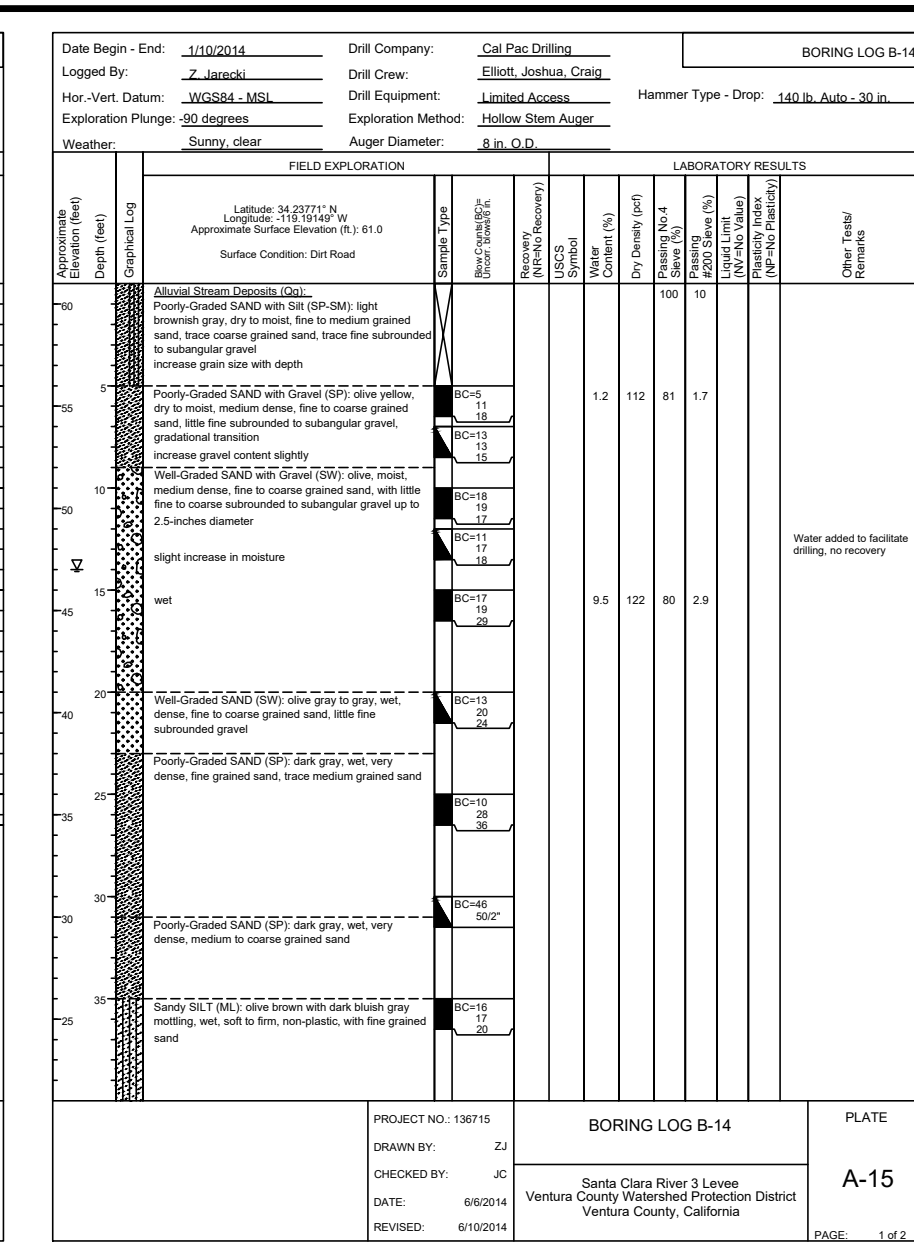
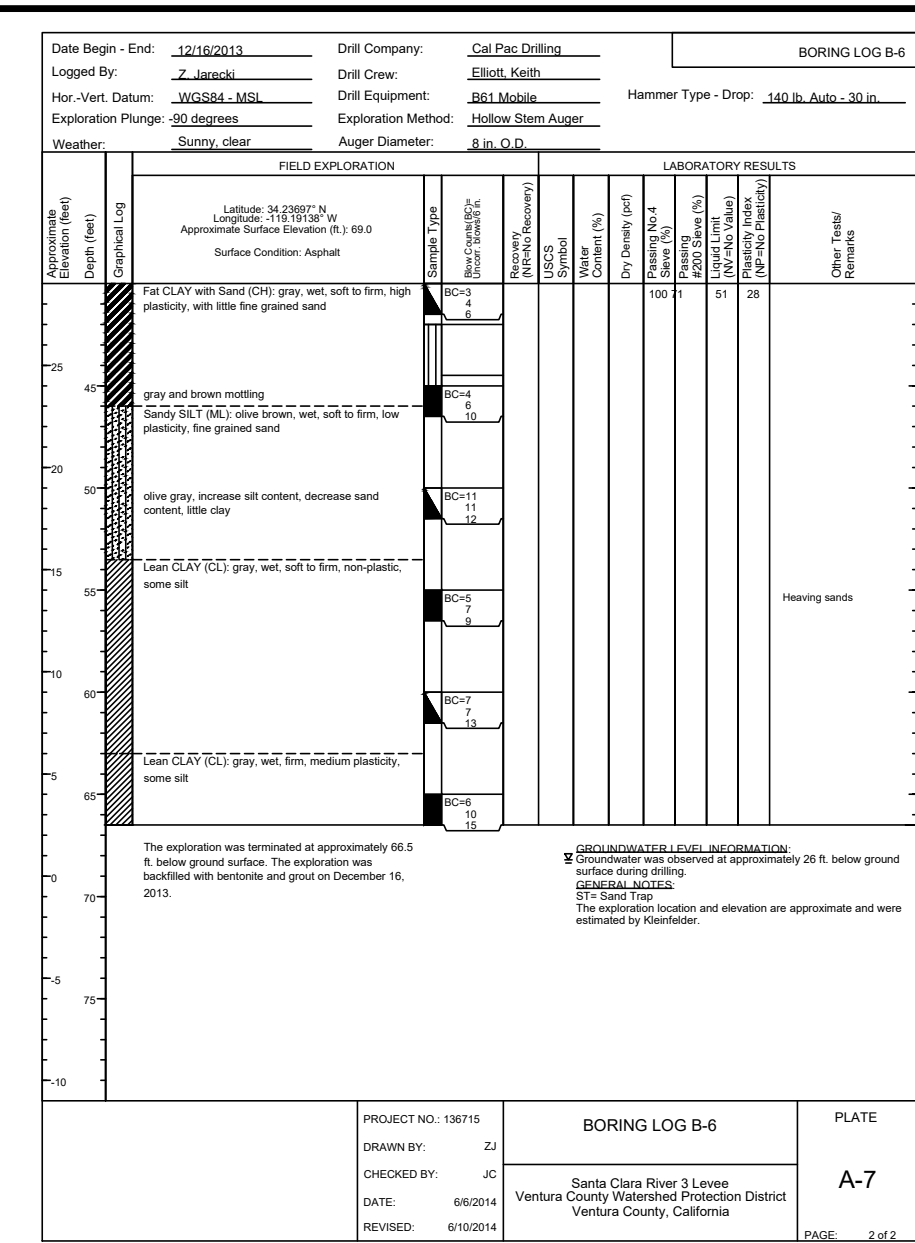
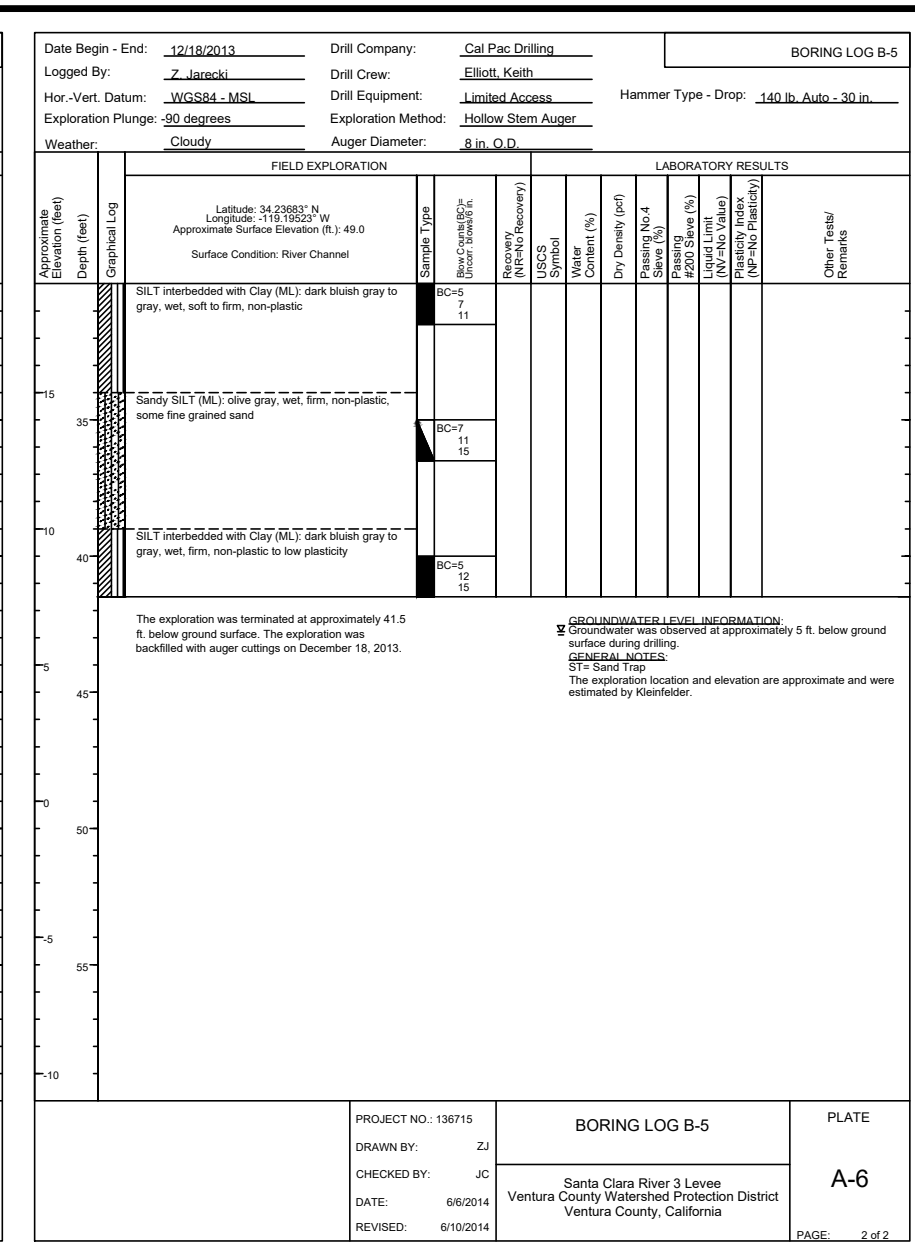
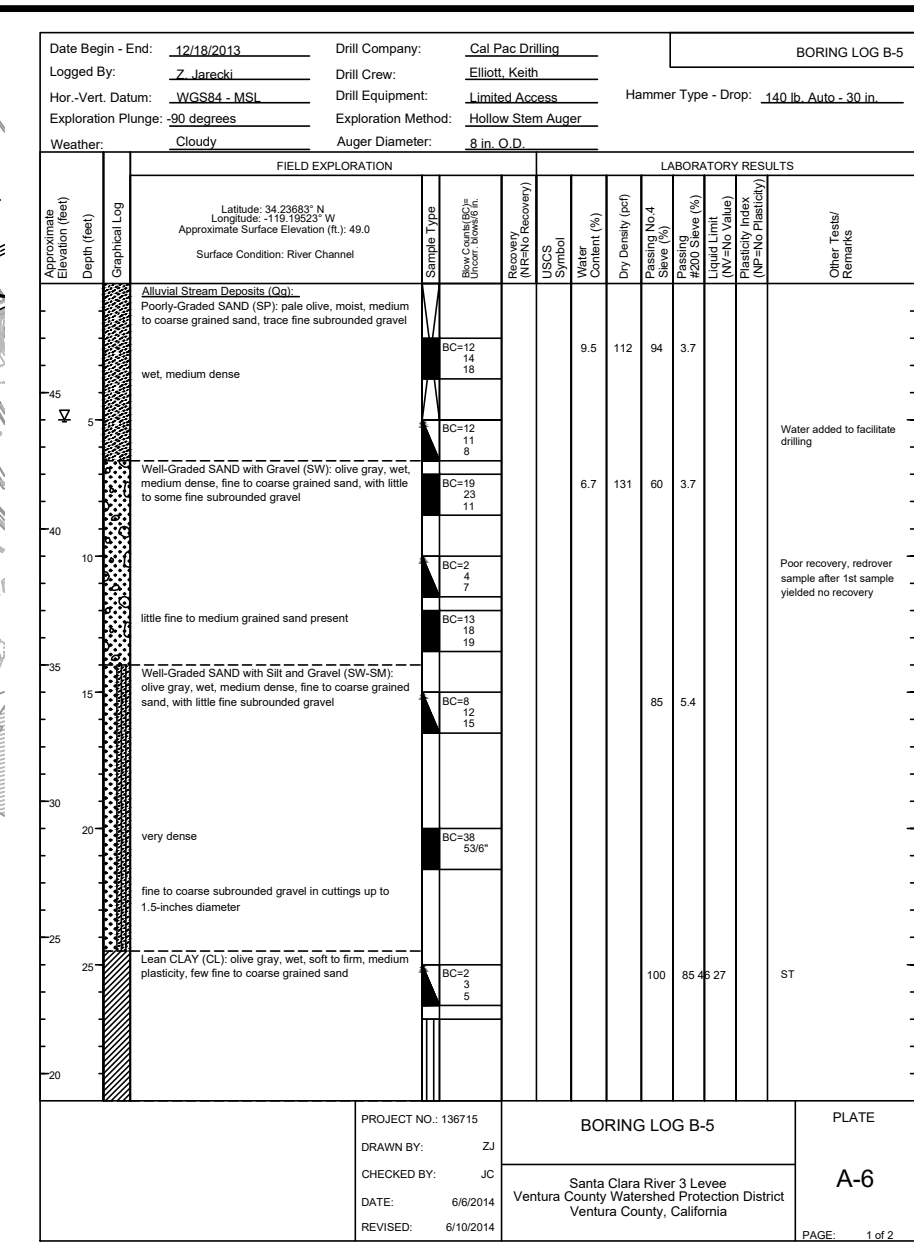
SHEET 53 OF 62
DRAWING SET NO. WPD-2-385

DATE: 12/20/22

2022_0207_11/11



B-10 APPROXIMATE SOIL BORING LOCATION



SAVE DATE: 7/23/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\B2045_SANTACLARARIVER\LEVEE_SCR3_PH2\DESIGN\DESIGNRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\SOIL BORING LOGS SHEET 54.DWG

D				
C				
B				
A				
△	REVISION	DESCRIPTION	APP.	DATE

Michael Baker International
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 MBKINTERNL.COM

DESIGNED: *[Signature]* 8/14/2024
 DRAWN: *[Signature]* 8/15/2024
 CHECKED: *[Signature]* 8/16/2024

DESIGNED: *[Signature]* 8/14/2024
 DRAWN: *[Signature]* 8/15/2024
 CHECKED: *[Signature]* 8/16/2024

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

WATERSHED PROJECT MANAGER
 WATERSHED DEPUTY DIRECTOR
 WATERSHED DIRECTOR

SPEC. NO. WP25-05
 PROJ. NO. 82045

SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2

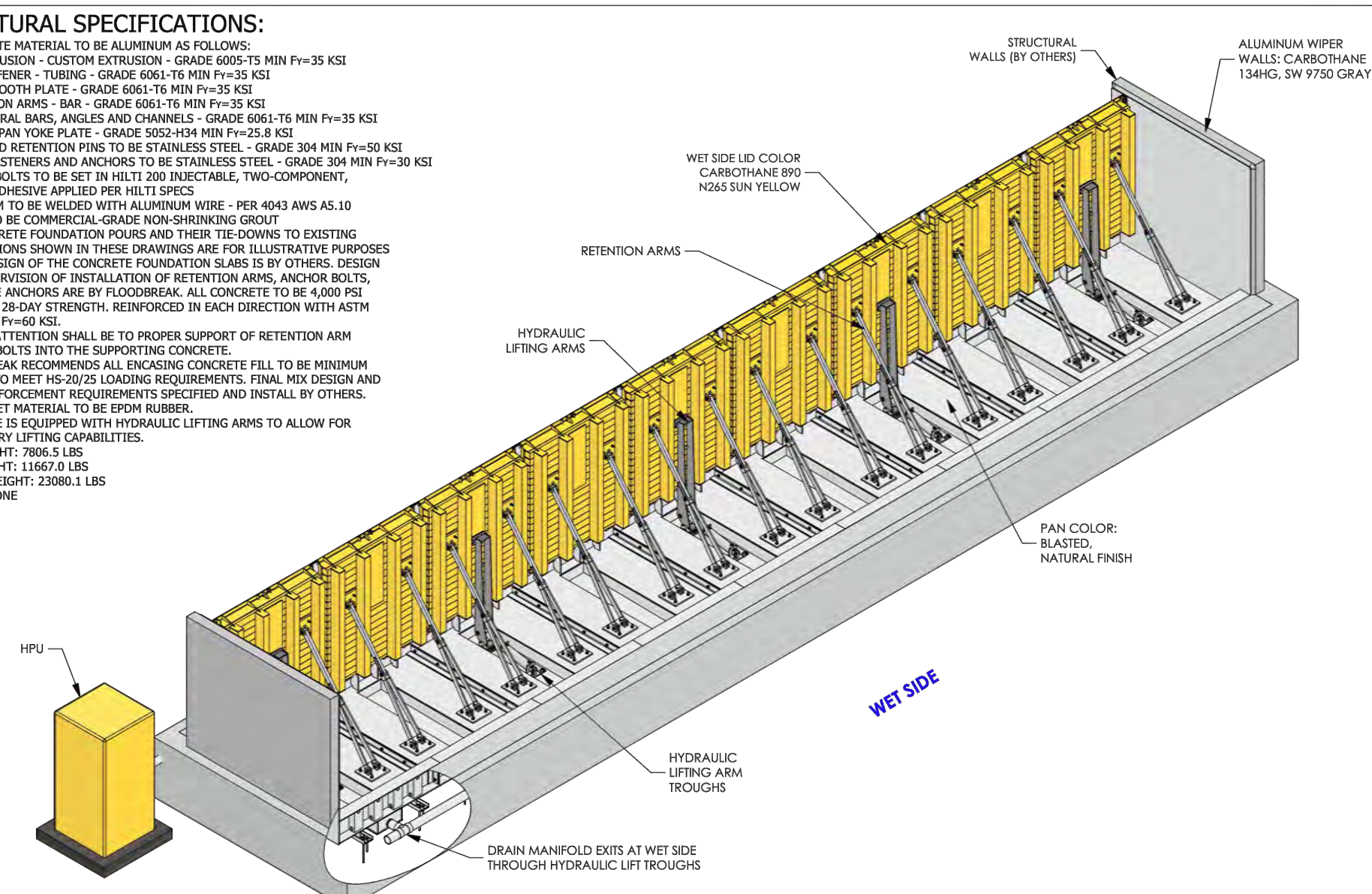
SOIL BORING LOGS

SHEET 54 OF 62
 DRAWING NO. WPD-2-388



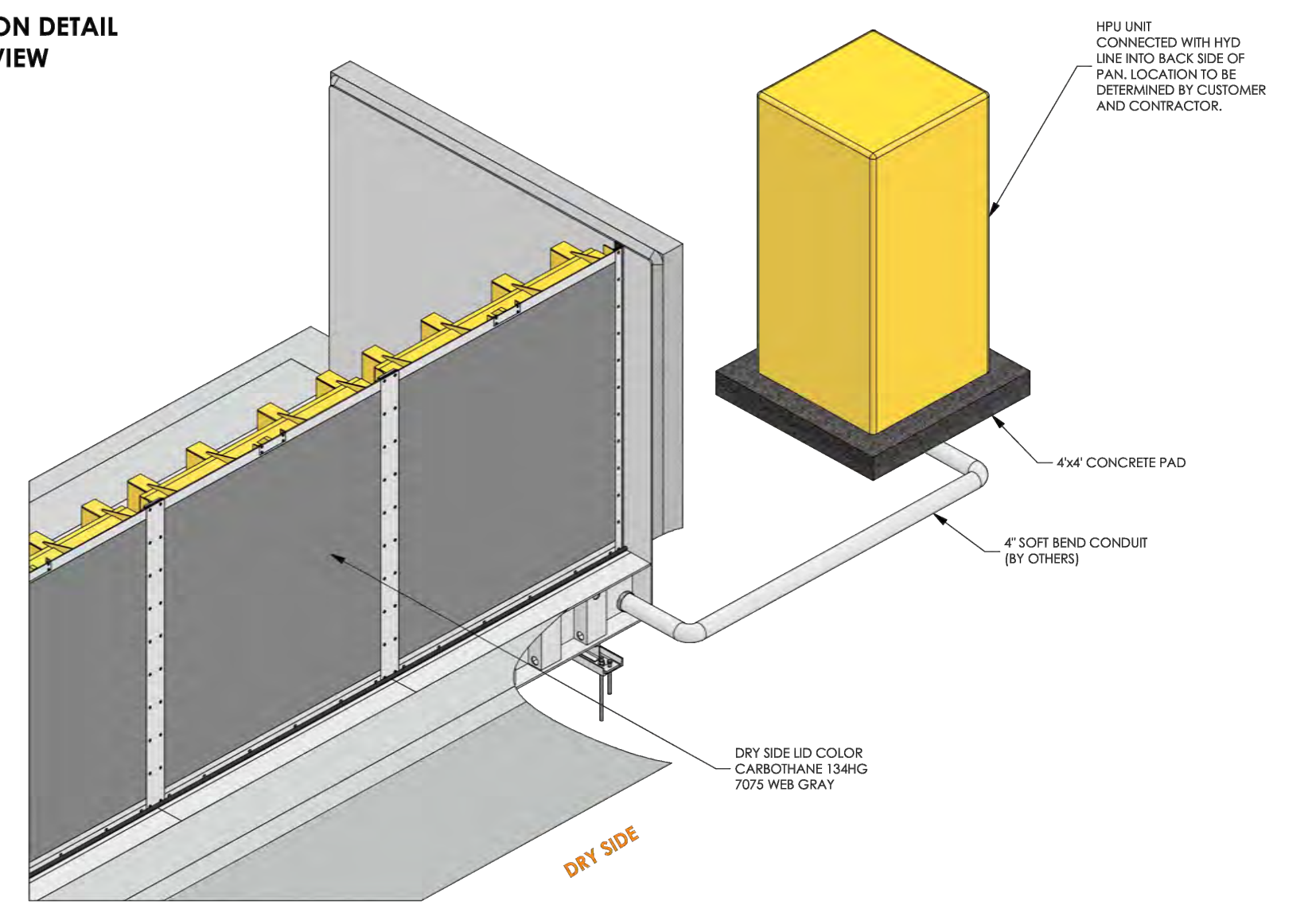
STRUCTURAL SPECIFICATIONS:

- FLOODGATE MATERIAL TO BE ALUMINUM AS FOLLOWS:
 - LID EXTRUSION - CUSTOM EXTRUSION - GRADE 6061-T6 MIN F_y=35 KSI
 - LID STIFFENER - TUBING - GRADE 6061-T6 MIN F_y=35 KSI
 - PAN - SMOOTH PLATE - GRADE 6061-T6 MIN F_y=35 KSI
 - RETENTION ARMS - BAR - GRADE 6061-T6 MIN F_y=35 KSI
 - STRUCTURAL BARS, ANGLES AND CHANNELS - GRADE 6061-T6 MIN F_y=35 KSI
 - LID AND PAN YOKE PLATE - GRADE 5052-H34 MIN F_y=25.5 KSI
 - HINGE AND RETENTION PINS TO BE STAINLESS STEEL - GRADE 304 MIN F_y=50 KSI
 - BOLTS, FASTENERS AND ANCHORS TO BE STAINLESS STEEL - GRADE 304 MIN F_y=30 KSI
 - ANCHOR BOLTS TO BE SET IN HILTI 200 INJECTABLE, TWO-COMPONENT, HYBRID ADHESIVE APPLIED PER HILTI SPECS
 - ALUMINUM TO BE WELDED WITH ALUMINUM WIRE - PER 4043 AWS AS.10
 - GROUT TO BE COMMERCIAL-GRADE NON-SHRINKING GROUT
 - ALL CONCRETE FOUNDATION POURS AND THEIR TIE-BOLDS TO EXISTING FOUNDATIONS SHOWN IN THESE DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY. DESIGN OF THE CONCRETE FOUNDATION SLABS IS BY OTHERS. DESIGN AND SUPERVISION OF INSTALLATION OF RETENTION ARMS, ANCHOR BOLTS, AND GATE ANCHORS ARE BY FLOODBREAK. ALL CONCRETE TO BE 4,000 PSI MINIMUM 28-DAY STRENGTH, REINFORCED IN EACH DIRECTION WITH ASTM A615 MIN F_y=60 KSI.
 - SPECIAL ATTENTION SHALL BE TO PROPER SUPPORT OF RETENTION ARM ANCHOR BOLTS INTO THE SUPPORTING CONCRETE.
 - FLOODBREAK RECOMMENDS ALL ENCASED CONCRETE FILL TO BE MINIMUM 3500PSI TO MEET HS-20/25 LOADING REQUIREMENTS. FINAL MIX DESIGN AND ANY REINFORCEMENT REQUIREMENTS SPECIFIED AND INSTALL BY OTHERS.
 - ALL GASKET MATERIAL TO BE EPDM RUBBER.
 - THIS GATE IS EQUIPPED WITH HYDRAULIC LIFTING INSTALL TO ALLOW FOR SECONDARY LIFTING CAPABILITIES.
 - PAN WEIGHT: 7806.5 LBS
LID WEIGHT: 11607.0 LBS
TOTAL WEIGHT: 23980.1 LBS
 - SLOPE: NONE



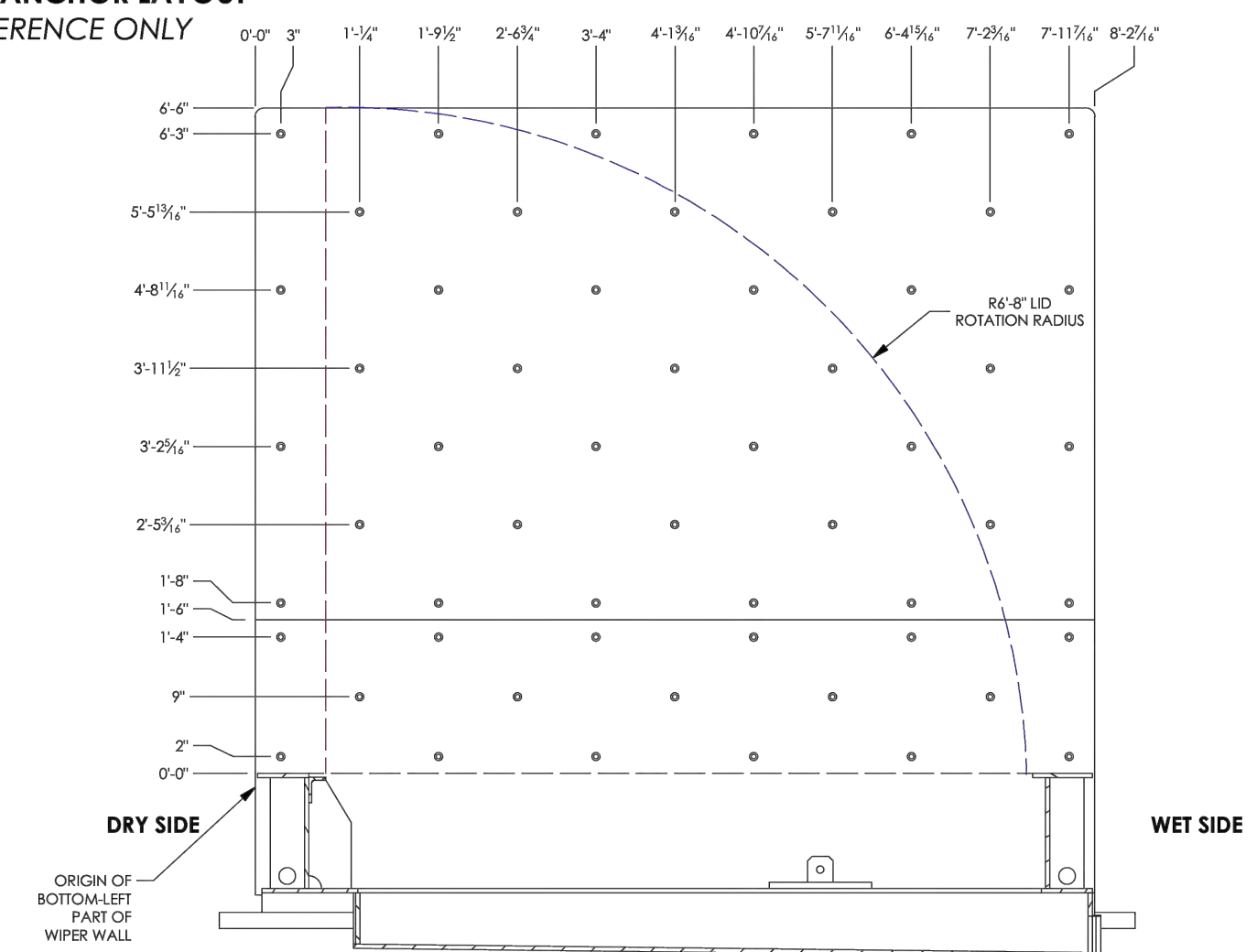
FINISH	SEE W/O	CONTRACT	TBD	FloodBreak	
SERIAL	TBD	PRODUCT	ROADWAY GATE	NAME	DATE
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK LLC, AND IS COVERED BY U.S. PATENTS AT PAT: HTTP://FLOODBREAK.COM/PATENTS/ AND PATENTS PENDING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK LLC IS PROHIBITED.					
DRAWN	VB	11/30/2022	SCR-3	EXAMPLE	
CHECKED	JWB	11/30/2022	54'-1" L x 6'-6" H		
APPROVED	NE	11/30/2022			
REV	DATE	DESCRIPTION	BY	DATE	APP
A		01367-RG42-00000-00			0
		N/A			1 OF 23

HPU CONNECTION DETAIL DRY SIDE VIEW



FINISH	SEE W/O	CONTRACT	TBD	FloodBreak	
SERIAL	TBD	PRODUCT	ROADWAY GATE	NAME	DATE
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK LLC, AND IS COVERED BY U.S. PATENTS AT PAT: HTTP://FLOODBREAK.COM/PATENTS/ AND PATENTS PENDING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK LLC IS PROHIBITED.					
DRAWN	VB	11/30/2022	SCR-3	EXAMPLE	
CHECKED	JWB	11/30/2022	54'-1" L x 6'-6" H		
APPROVED	NE	11/30/2022			
REV	DATE	DESCRIPTION	BY	DATE	APP
A		01367-RG42-00000-00			0
		N/A			2 OF 23

WIPER WALL ANCHOR LAYOUT FOR REFERENCE ONLY



RIGHT WIPER WALL SHOWN

FINISH	SEE W/O	CONTRACT	TBD	FloodBreak	
SERIAL	TBD	PRODUCT	ROADWAY GATE	NAME	DATE
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK LLC, AND IS COVERED BY U.S. PATENTS AT PAT: HTTP://FLOODBREAK.COM/PATENTS/ AND PATENTS PENDING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK LLC IS PROHIBITED.					
DRAWN	VB	11/30/2022	SCR-3	EXAMPLE	
CHECKED	JWB	11/30/2022	54'-1" L x 6'-6" H		
APPROVED	NE	11/30/2022			
REV	DATE	DESCRIPTION	BY	DATE	APP
A		01367-RG42-00000-00			0
		N/A			3 OF 23

PLOT DATE: 7/23/24

SAVE DATE: 7/23/24 106664 K:\PROJECTS\ZONE2\SANTA CLARA RIVER\82045_SANTA CLARA RIVER LEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTA CLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-055_SHEET 55.DWG

REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

8/1/2024
R.C.E.

DESIGNED	8/14/2024
DRAWN	8/15/2024
CHECKED	8/16/2024

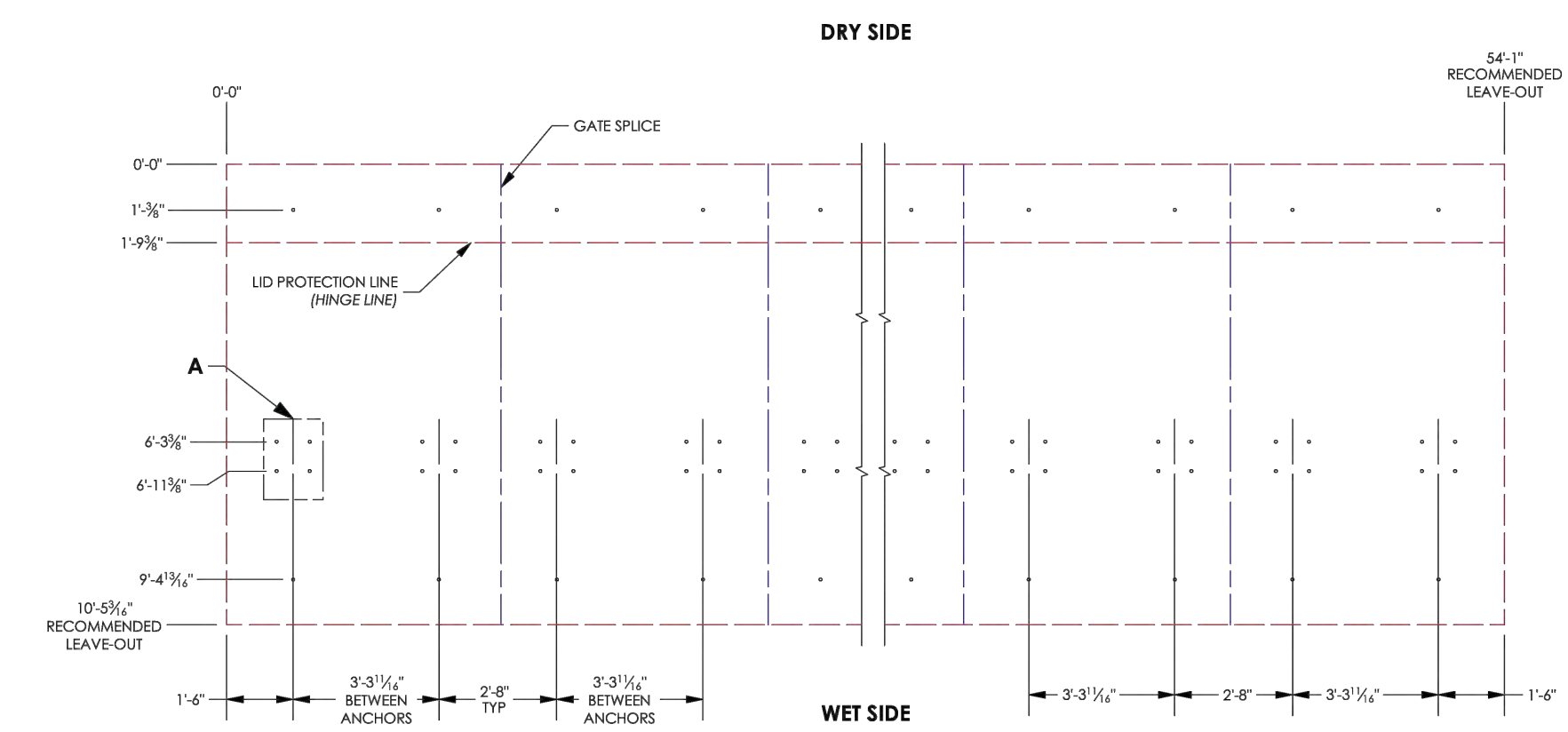
**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION**

SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
FLOOD GATE DETAILS 1 (FLOODBREAK)**

SHEET	55
OF	62
DRAWING NO.	WPD-2-388

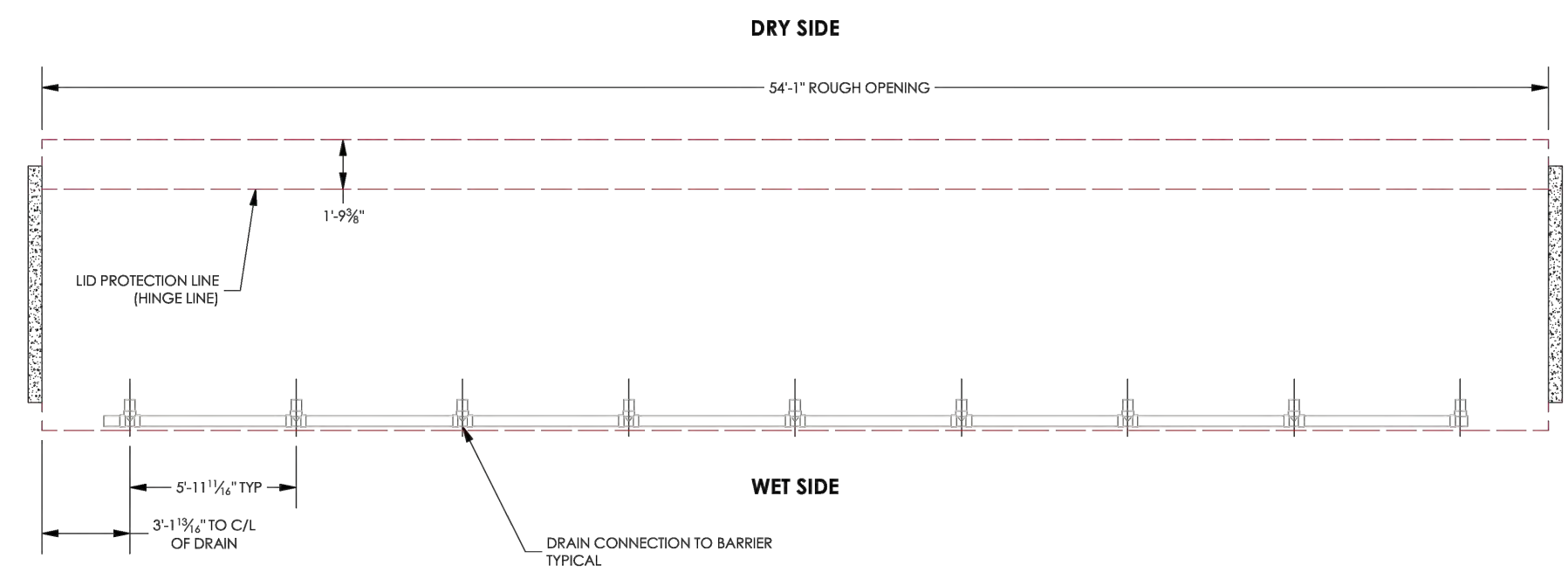
RECTANGLE REPRESENTS THE CONCRETE LEAVE-OUT PLAN VIEW



DETAIL A
ANCHOR PATTERN

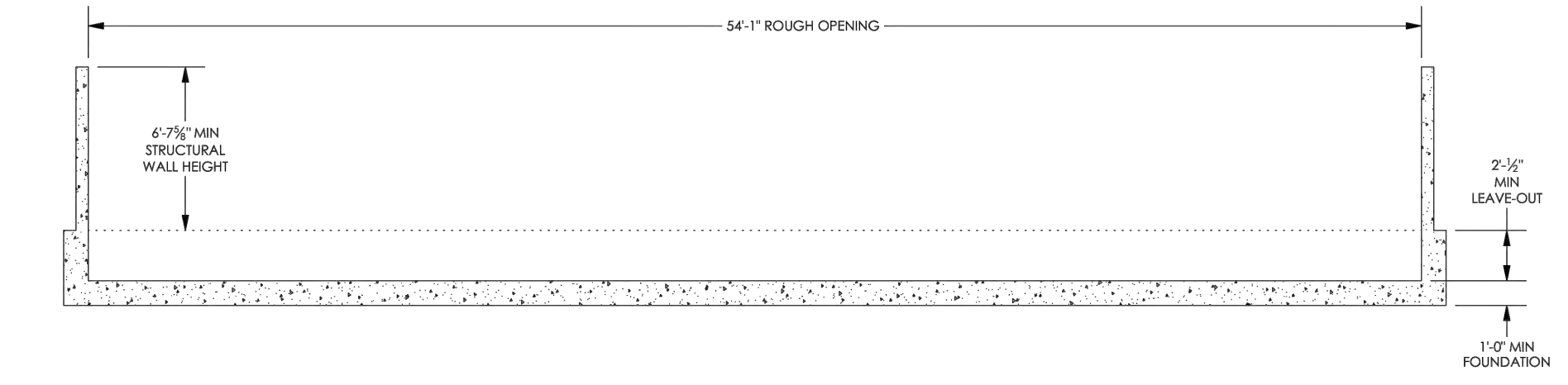
FINISH	SEE WO	CONTRACT	TBD	FloodBreak	
SERIAL	TBD	PRODUCT	ROADWAY GATE	NAME	DATE
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK LLC AND IS COVERED BY U.S. PATENTS AT PAT: http://floodbreak.com/patents/ AND PATENT'S PENDING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK LLC IS PROHIBITED.					
				SCR-3 EXAMPLE 54'-11" L x 6'-6" H	
DO NOT SCALE DRAWING				01367-RG42-00000-00	0
N/A				4 OF 23	

ROUGH OPENING SUMMARY
PLAN VIEW



FINISH	SEE WO	CONTRACT	TBD	FloodBreak	
SERIAL	TBD	PRODUCT	ROADWAY GATE	NAME	DATE
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK LLC AND IS COVERED BY U.S. PATENTS AT PAT: http://floodbreak.com/patents/ AND PATENT'S PENDING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK LLC IS PROHIBITED.					
				SCR-3 EXAMPLE 54'-11" L x 6'-6" H	
DO NOT SCALE DRAWING				01367-RG42-00000-00	0
N/A				5 OF 23	

ROUGH OPENING SUMMARY
LONGITUDINAL ELEVATION VIEW



FINISH	SEE WO	CONTRACT	TBD	FloodBreak	
SERIAL	TBD	PRODUCT	ROADWAY GATE	NAME	DATE
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK LLC AND IS COVERED BY U.S. PATENTS AT PAT: http://floodbreak.com/patents/ AND PATENT'S PENDING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK LLC IS PROHIBITED.					
				SCR-3 EXAMPLE 54'-11" L x 6'-6" H	
DO NOT SCALE DRAWING				01367-RG42-00000-00	0
N/A				6 OF 23	

PLOT DATE: 7/23/24

SAVE DATE: 7/23/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVERLEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-066_SHEET 56.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

David Meier
R.C.E. 8/1/2024

DESIGNED: *Michael Baker* 8/14/2024 DATE
WATERSHED PROJECT MANAGER
DRAWN: *John Baker* 8/15/2024 DATE
WATERSHED DEPUTY DIRECTOR
CHECKED: *John Baker* 8/16/2024 DATE
WATERSHED DIRECTOR

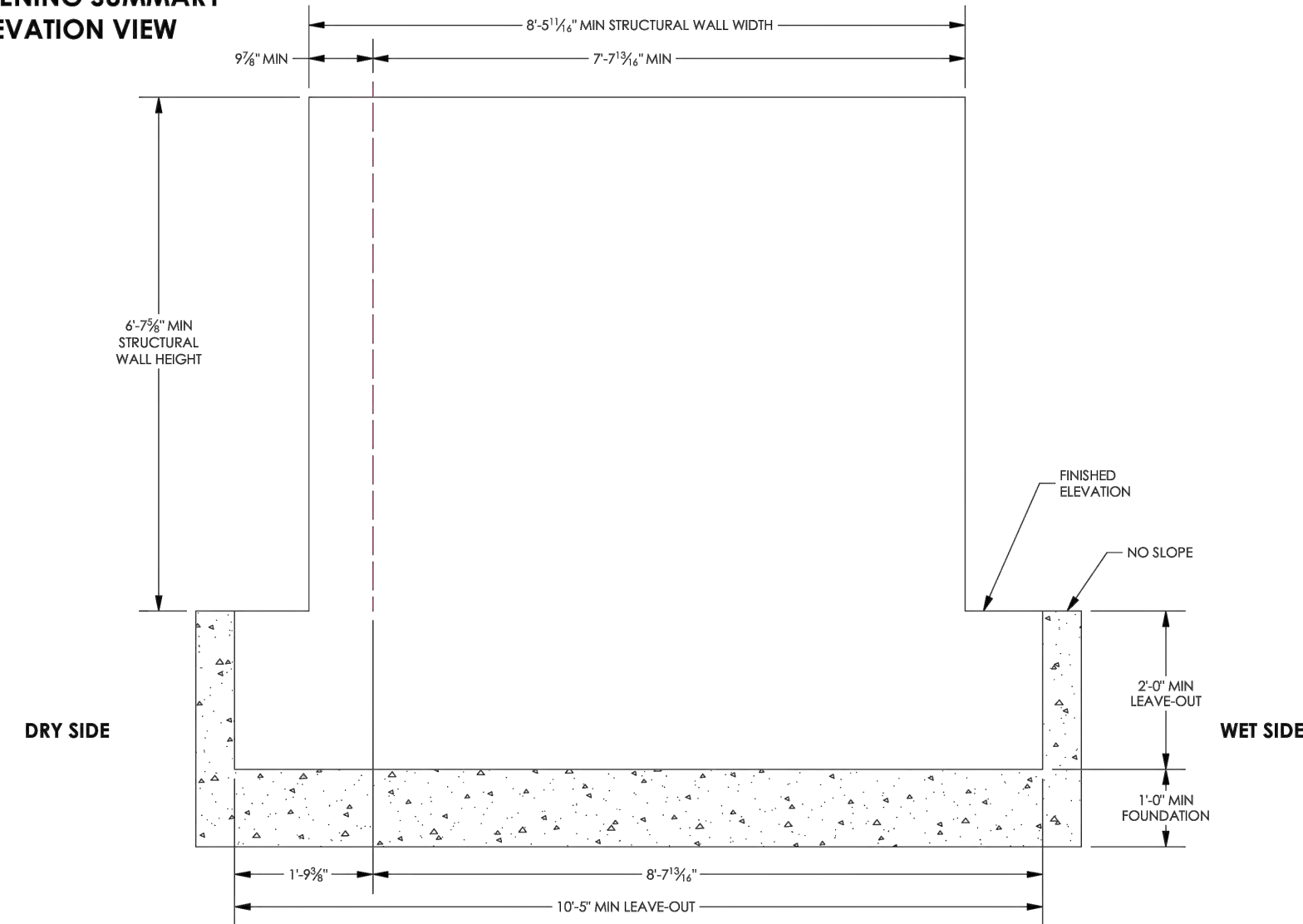
**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION**

SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
FLOOD GATE DETAILS 2 (FLOODBREAK)**

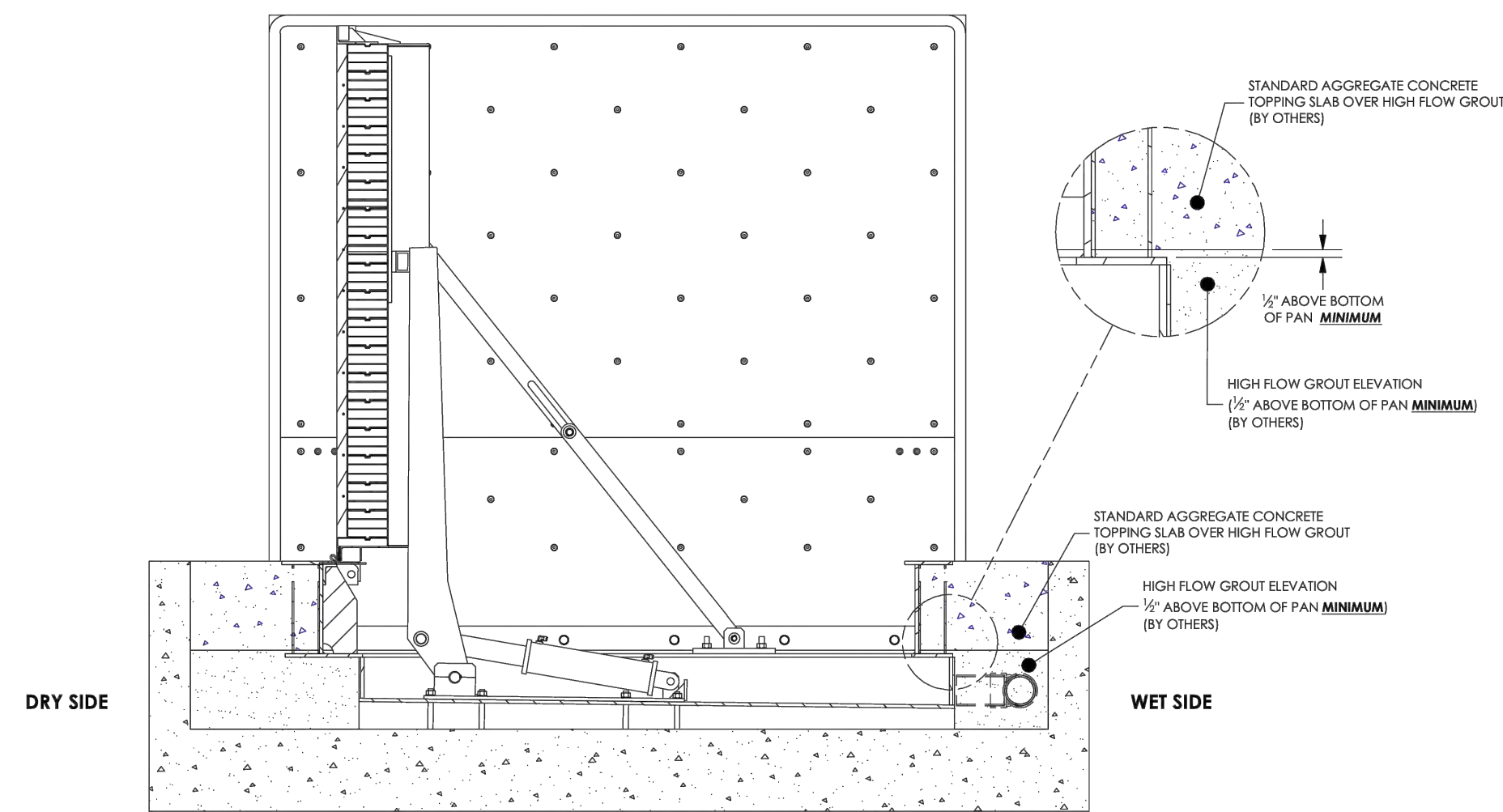
SHEET	56
OF	62
DRAWING NO.	WPD-2-388

**ROUGH OPENING SUMMARY
SIDE ELEVATION VIEW**



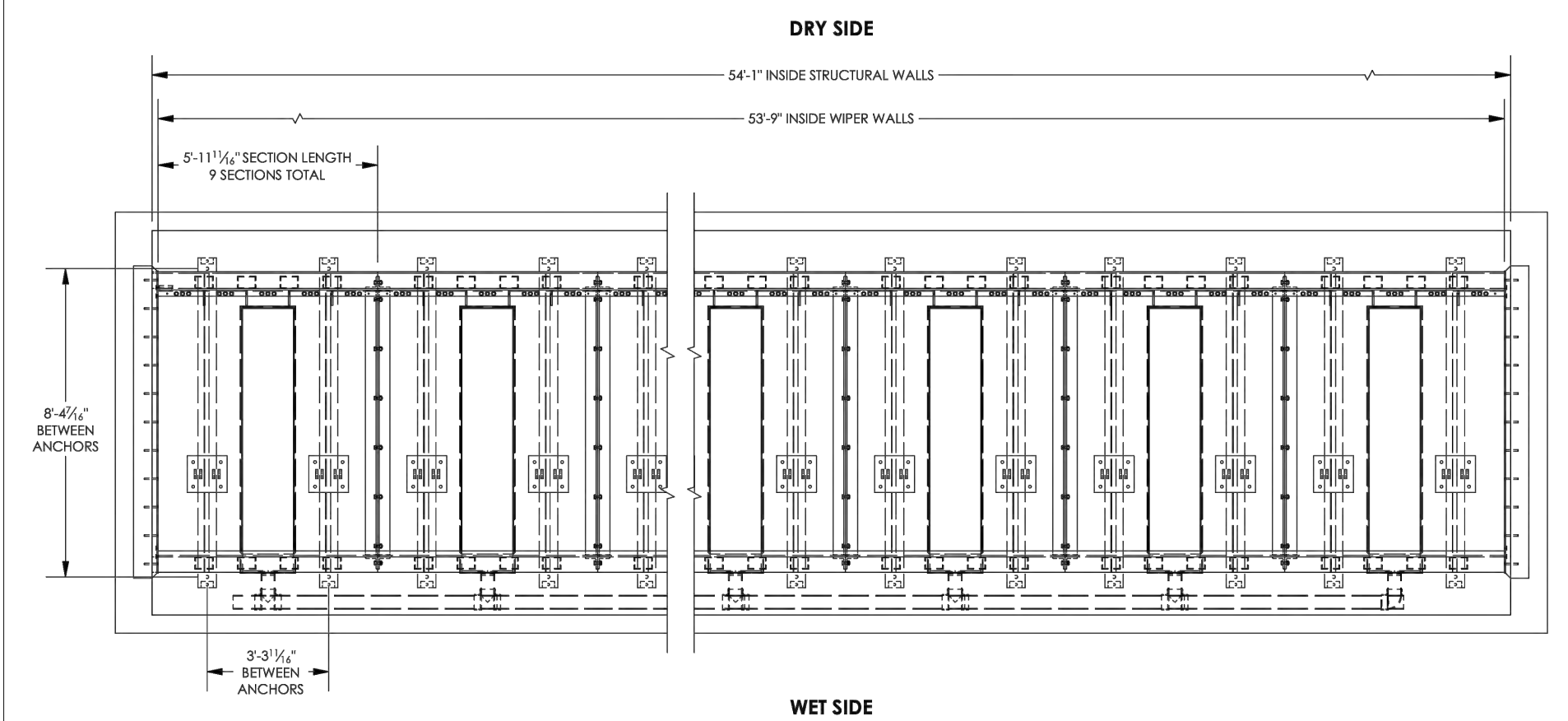
FINISH SERIAL	SEE WO TBD	CONTRACT PRODUCT	TBD ROADWAY GATE	FloodBreak	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK, LLC, AND IS COVERED BY U.S. PATENTS AT PAT: HTTP://FLOODBREAK.COM/PATENTS/ AND INTERESTS PENDING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK, LLC IS PROHIBITED.					
DRAWN	VB	11/30/2022	NE	SCR-3	EXAMPLE
CHECKED	JWB	11/30/2022	NE	54'-1" L x 6'-6" H	
APPROVED	NE	11/30/2022			
DO NOT SCALE DRAWING				A	01367-RG42-00000-00
				N/A	7 OF 23

**ENCASEMENT POURING DETAILS
(NO VOIDS ALLOWED)**



FINISH SERIAL	SEE WO TBD	CONTRACT PRODUCT	TBD ROADWAY GATE	FloodBreak	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK, LLC, AND IS COVERED BY U.S. PATENTS AT PAT: HTTP://FLOODBREAK.COM/PATENTS/ AND INTERESTS PENDING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK, LLC IS PROHIBITED.					
DRAWN	VB	11/30/2022	NE	SCR-3	EXAMPLE
CHECKED	JWB	11/30/2022	NE	54'-1" L x 6'-6" H	
APPROVED	NE	11/30/2022			
DO NOT SCALE DRAWING				A	01367-RG42-00000-00
				N/A	8 OF 23

PLAN VIEW RELATIVE TO LEAVE-OUT



FINISH SERIAL	SEE WO TBD	CONTRACT PRODUCT	TBD ROADWAY GATE	FloodBreak	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK, LLC, AND IS COVERED BY U.S. PATENTS AT PAT: HTTP://FLOODBREAK.COM/PATENTS/ AND INTERESTS PENDING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK, LLC IS PROHIBITED.					
DRAWN	VB	11/30/2022	NE	SCR-3	EXAMPLE
CHECKED	JWB	11/30/2022	NE	54'-1" L x 6'-6" H	
APPROVED	NE	11/30/2022			
DO NOT SCALE DRAWING				A	01367-RG42-00000-00
				N/A	9 OF 23

PLOT DATE: 7/23/24

SAVE DATE: 7/23/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVERLEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-067 SHEET 57.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
Phone: (949) 472-3505
MBAKERINTL.COM

David M...
8/1/2024
R.C.E.

DESIGNED: *[Signature]* 8/14/2024 DATE

WATERSHED PROJECT MANAGER

DRAWN: *[Signature]* 8/15/2024 DATE

WATERSHED DEPUTY DIRECTOR

CHECKED: *[Signature]* 8/16/2024 DATE

WATERSHED DIRECTOR

**VENTURA COUNTY
PUBLIC WORKS AGENCY
WATERSHED PROTECTION**

SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
FLOODGATE DETAILS 3 (FLOODBREAK)**

SHEET	57
OF	62
DRAWING NO.	WPD-2-388

PLOT DATE: 7/23/24

SAVE DATE: 7/23/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVERLEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-058 SHEET 58.DWG

D				
C				
B				
A				
△	REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKERINTL.COM

David Mauer
 R.C.E. 8/1/2024

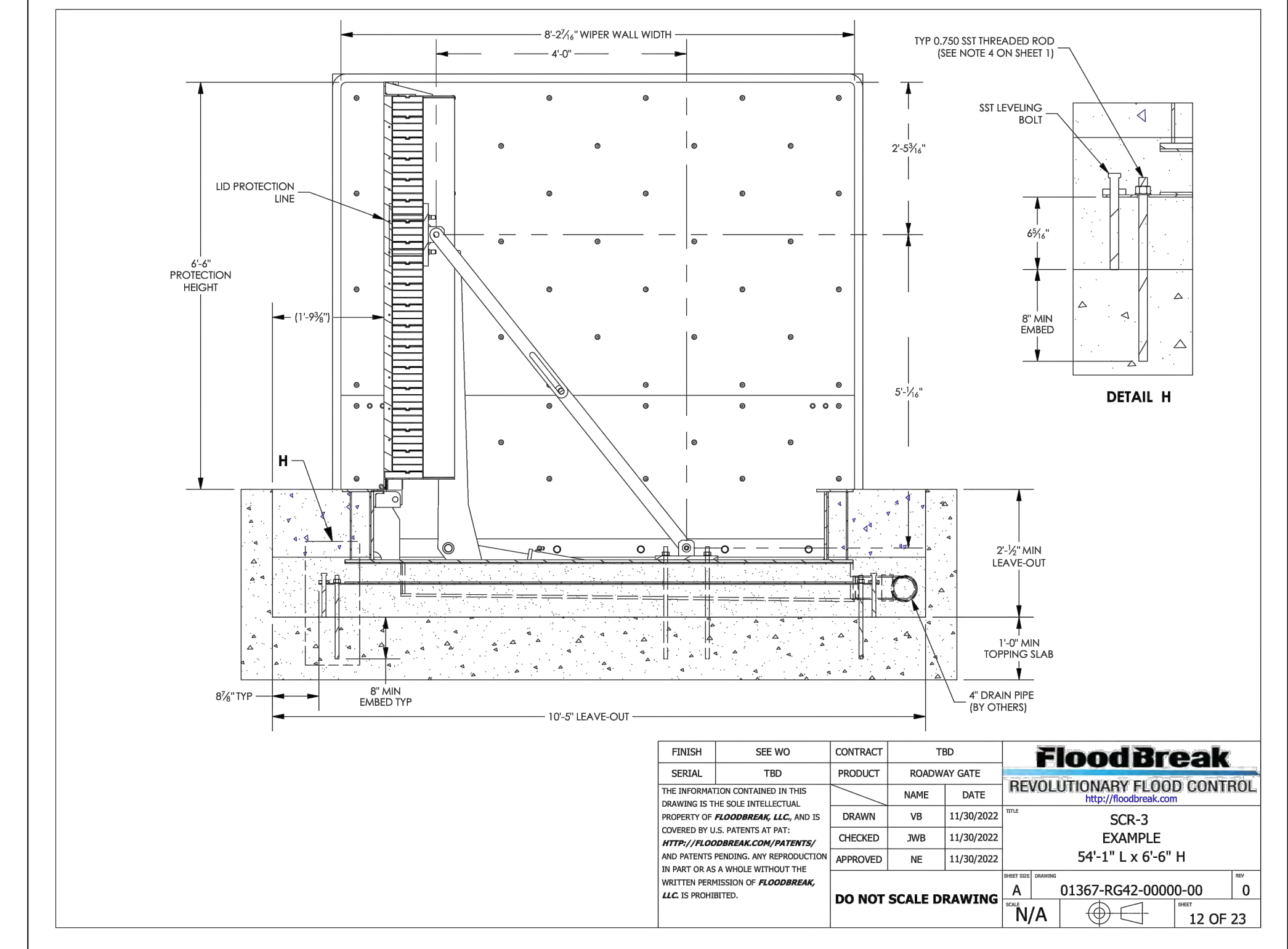
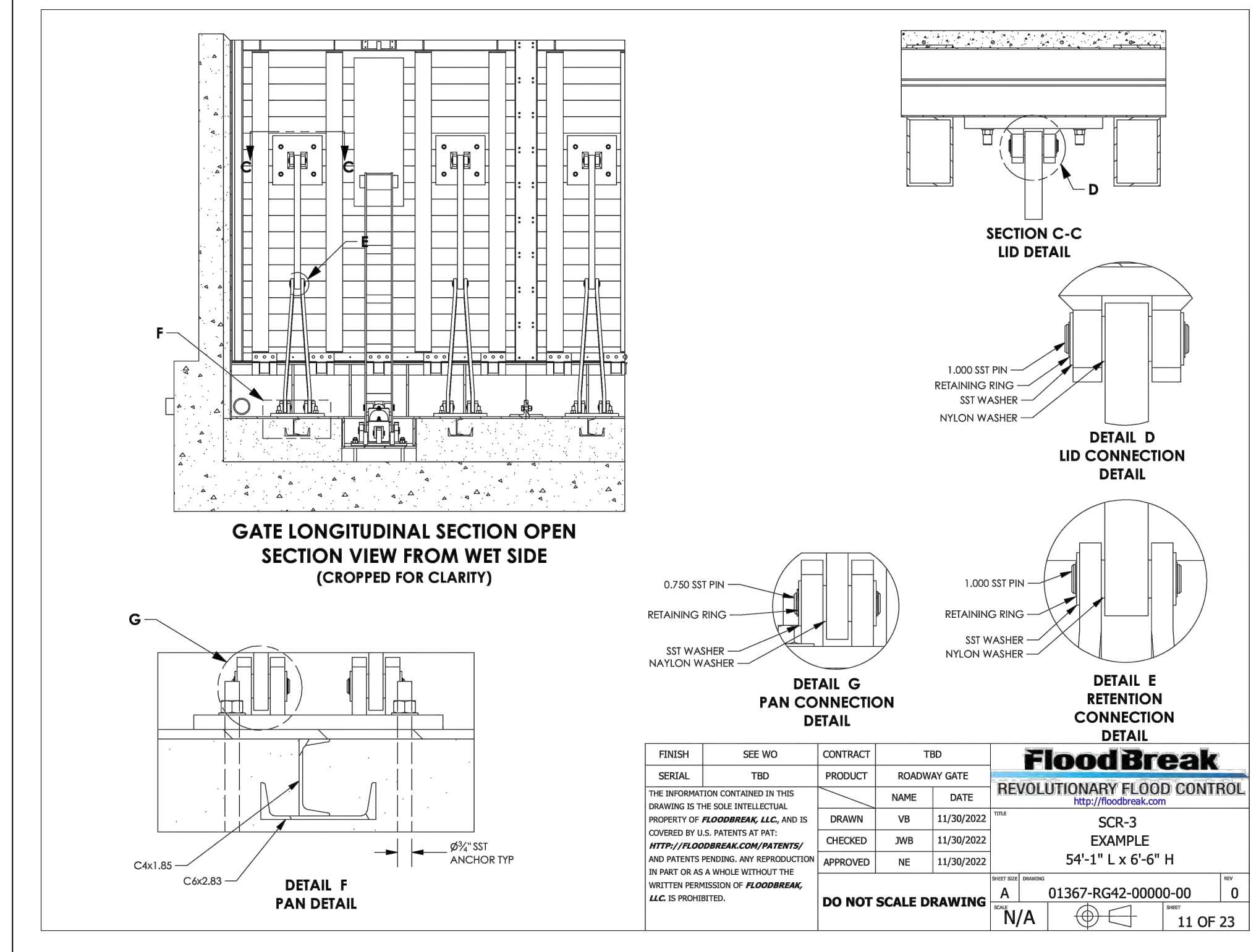
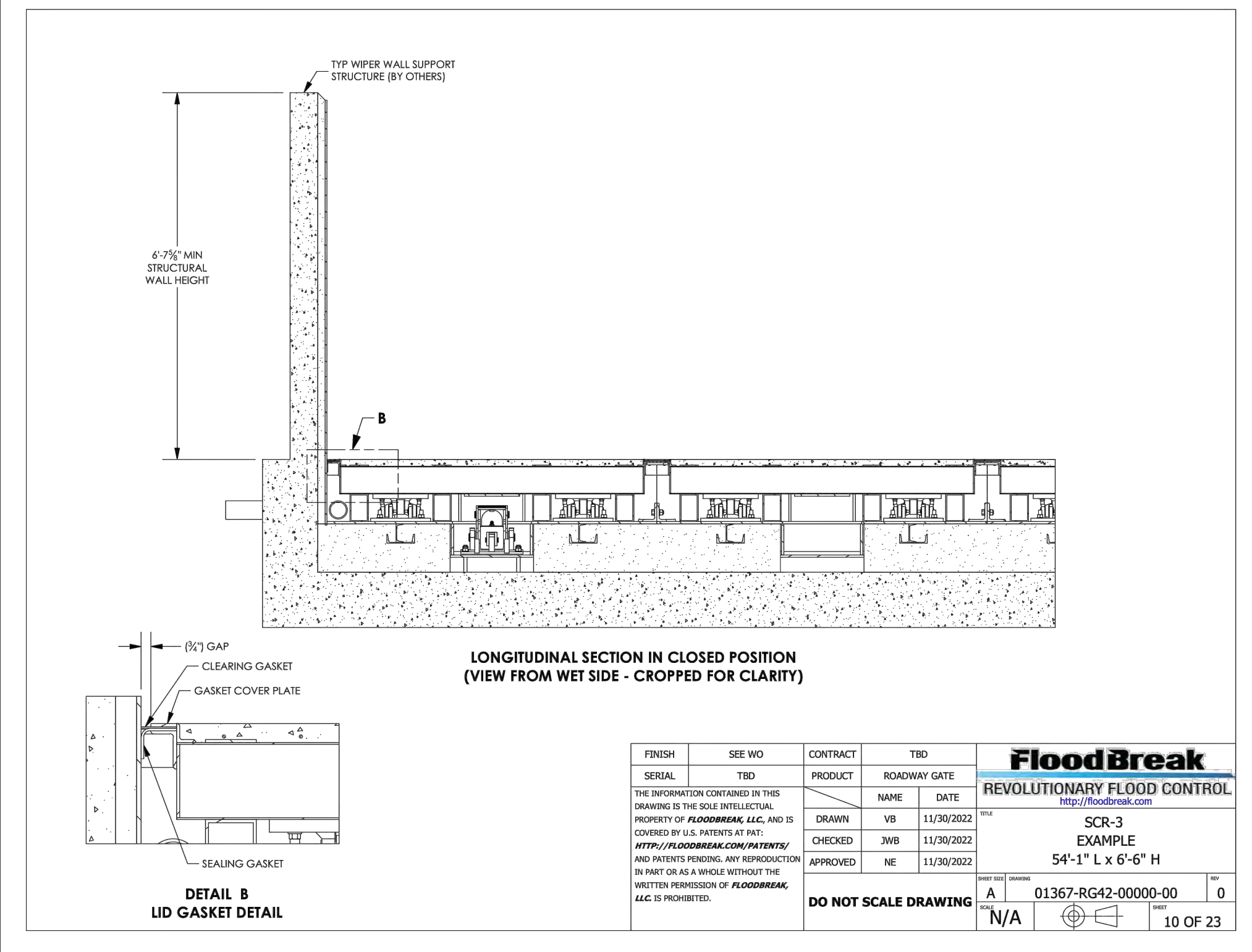
DESIGNED	<i>Mark...</i>	8/14/2024
DATE		
DRAWN	<i>John...</i>	8/15/2024
DATE		
CHECKED	<i>John...</i>	8/16/2024
DATE		

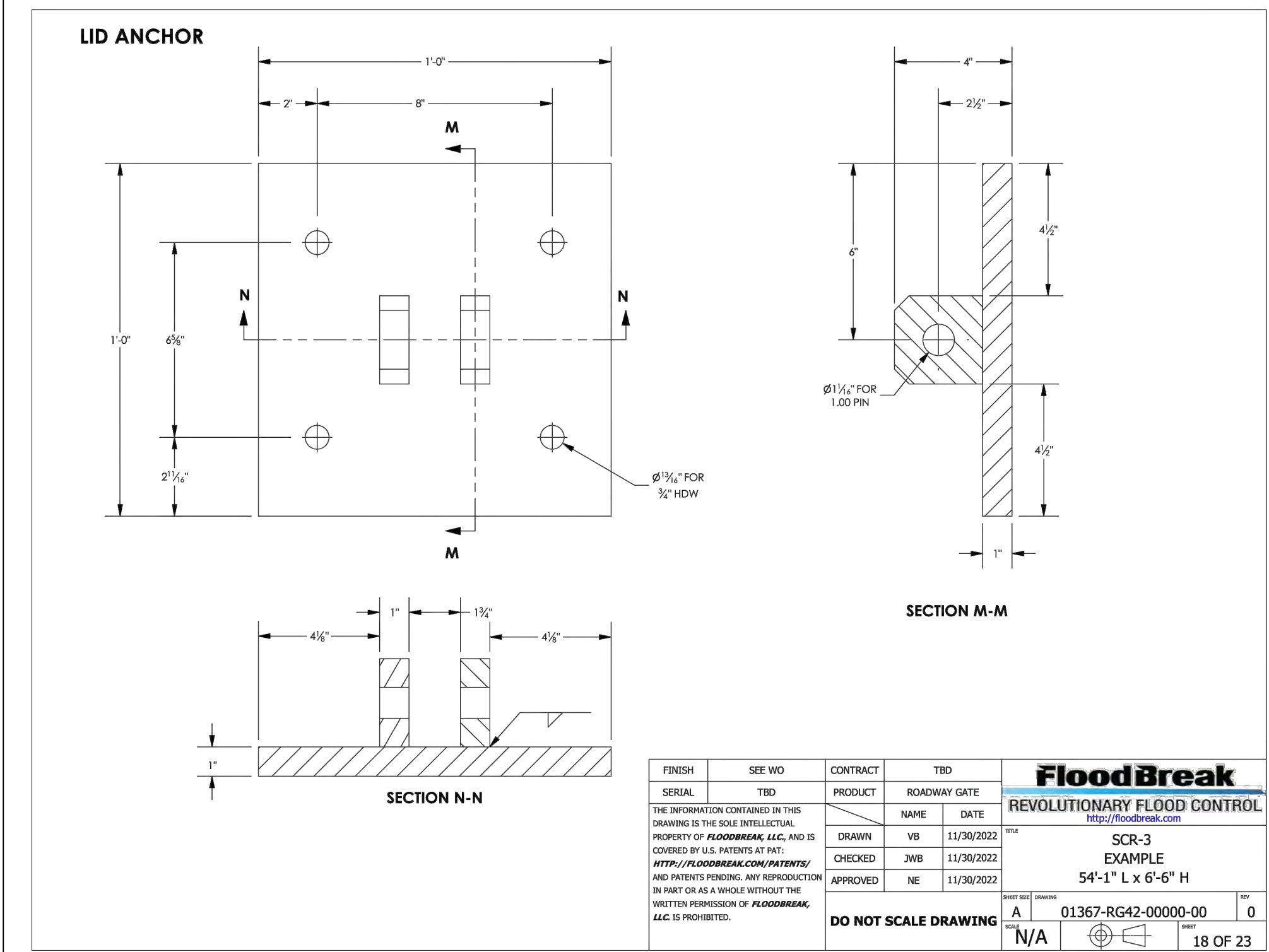
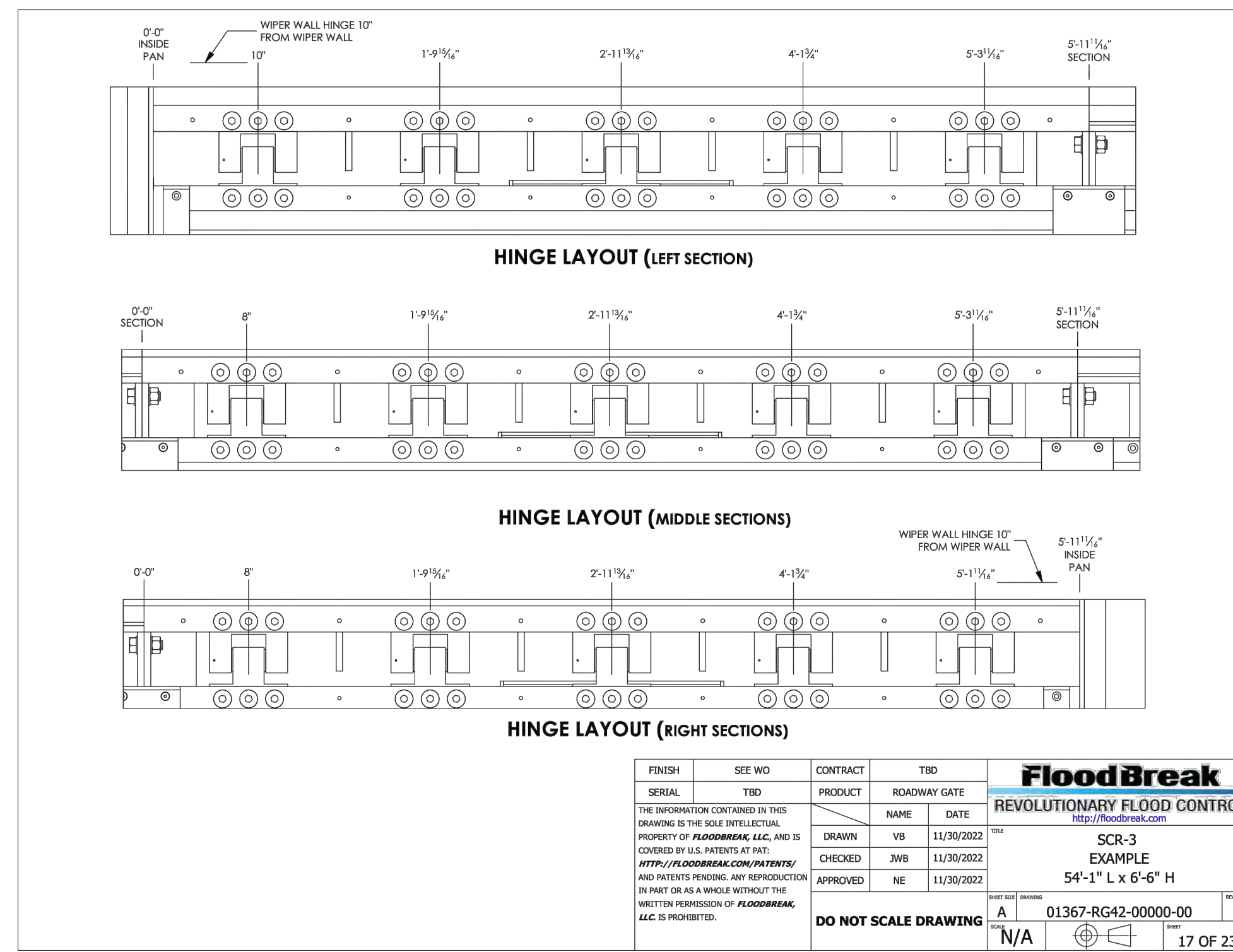
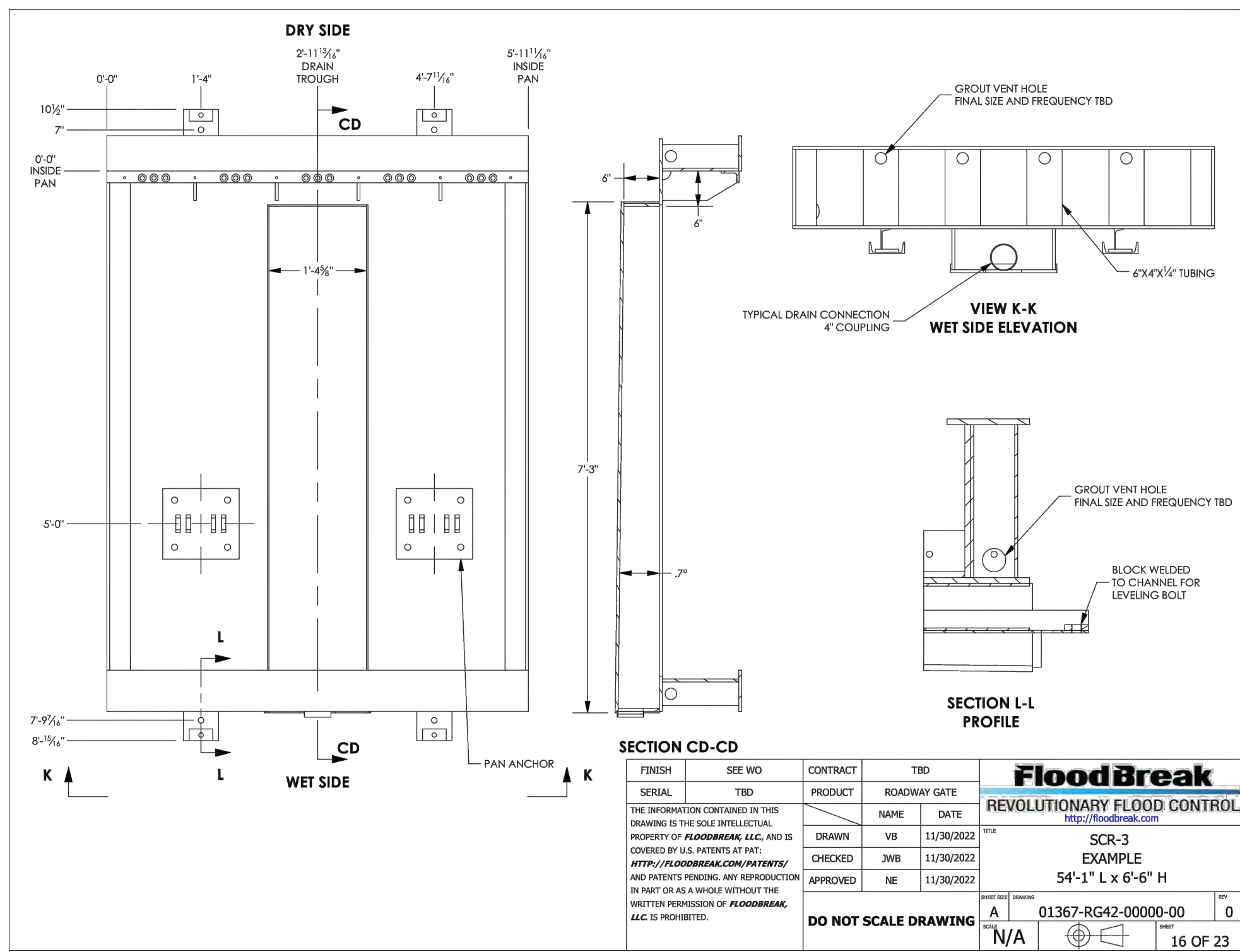
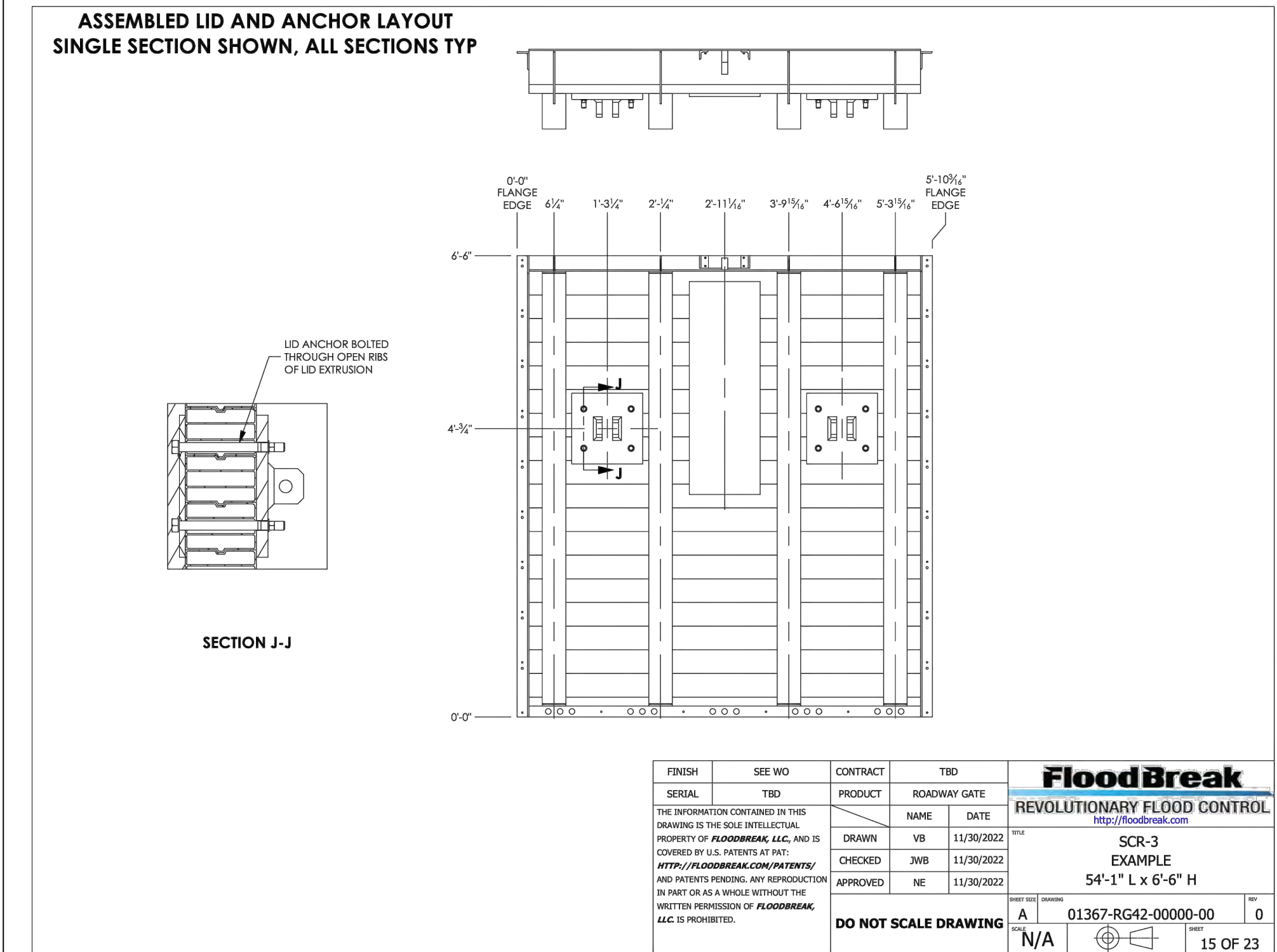
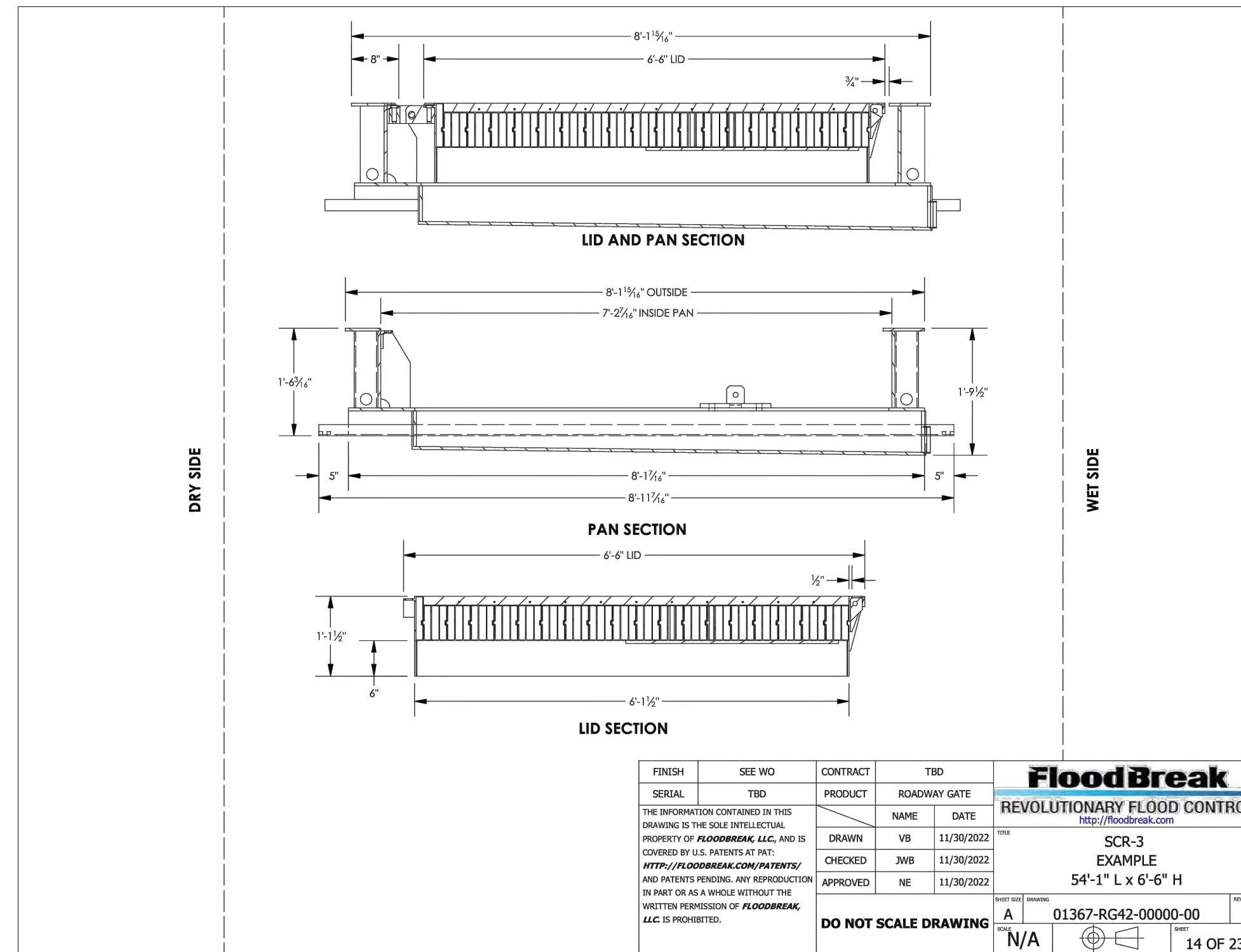
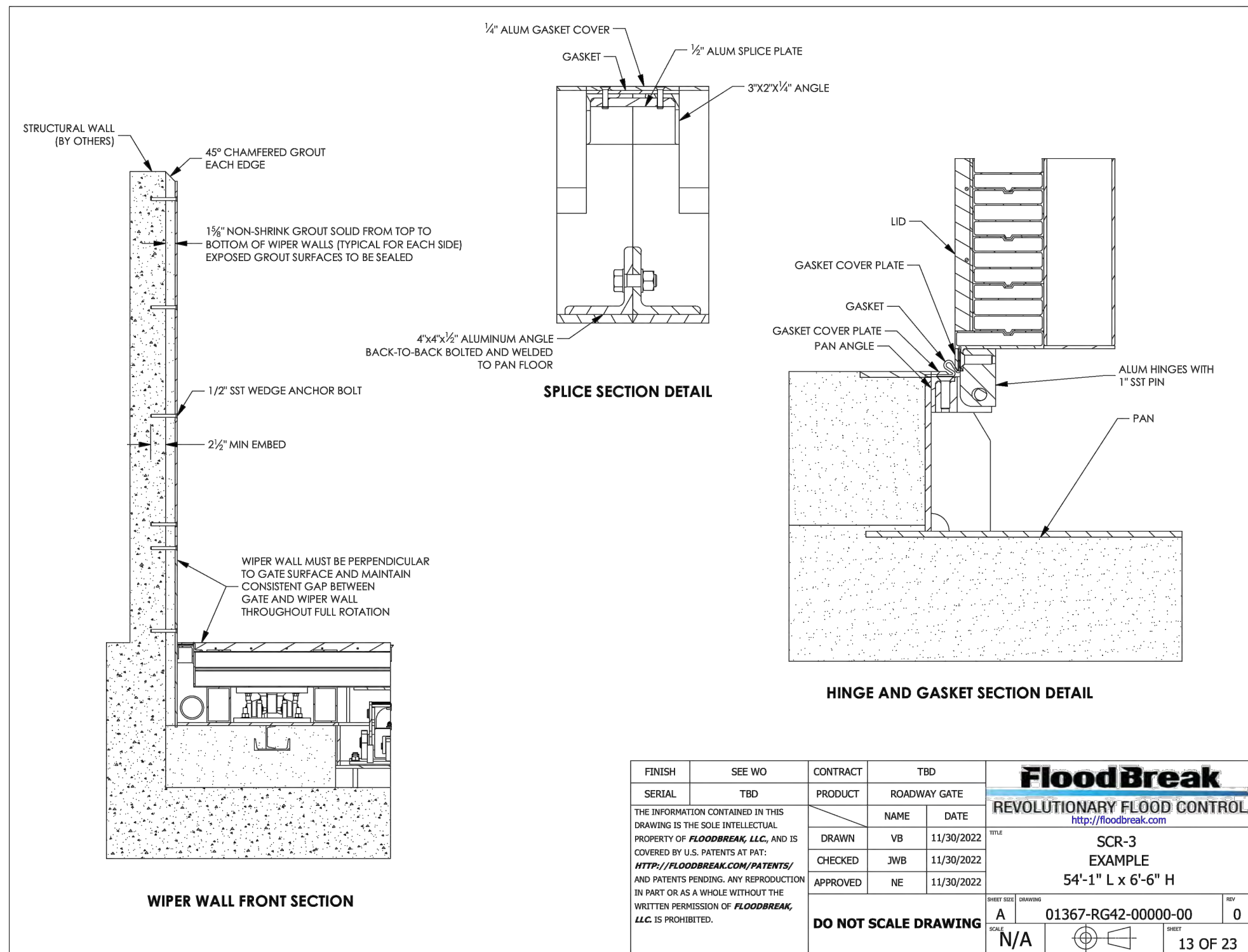
**VENTURA COUNTY
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION**

SPEC. NO.	WP25-05
PROJ. NO.	82045

**SANTA CLARA RIVER LEVEE
 DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 FLOOD GATE DETAILS (FLOODBREAK)**

SHEET	58
OF	62
DRAWING NO.	WPD-2-388





DATE: 7/23/24

SAVE DATE: 7/23/24 106684 K:\PROJECTS\ZONE2\SANTACLARARIVER\82045_SANTACLARARIVER\LEVEE_SCR3_PH2\DESIGN\DESIGNDRAWINGS\05_PERCENT_PLANS\SANTACLARA RIVER SCR-3 PHASE 2 06-20-2024\6628-SD-059_8HEET 59.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 M.BAKER@INTL.COM

DESIGNED: *[Signature]* 8/14/2024
 DATE

DRAWN: *[Signature]* 8/15/2024
 DATE

CHECKED: *[Signature]* 8/16/2024
 DATE

VENTURA COUNTY PUBLIC WORKS AGENCY
 WATERSHED PROTECTION

WATERSHED PROJECT MANAGER: *[Signature]* 8/14/2024
 DATE

WATERSHED DEPUTY DIRECTOR: *[Signature]* 8/15/2024
 DATE

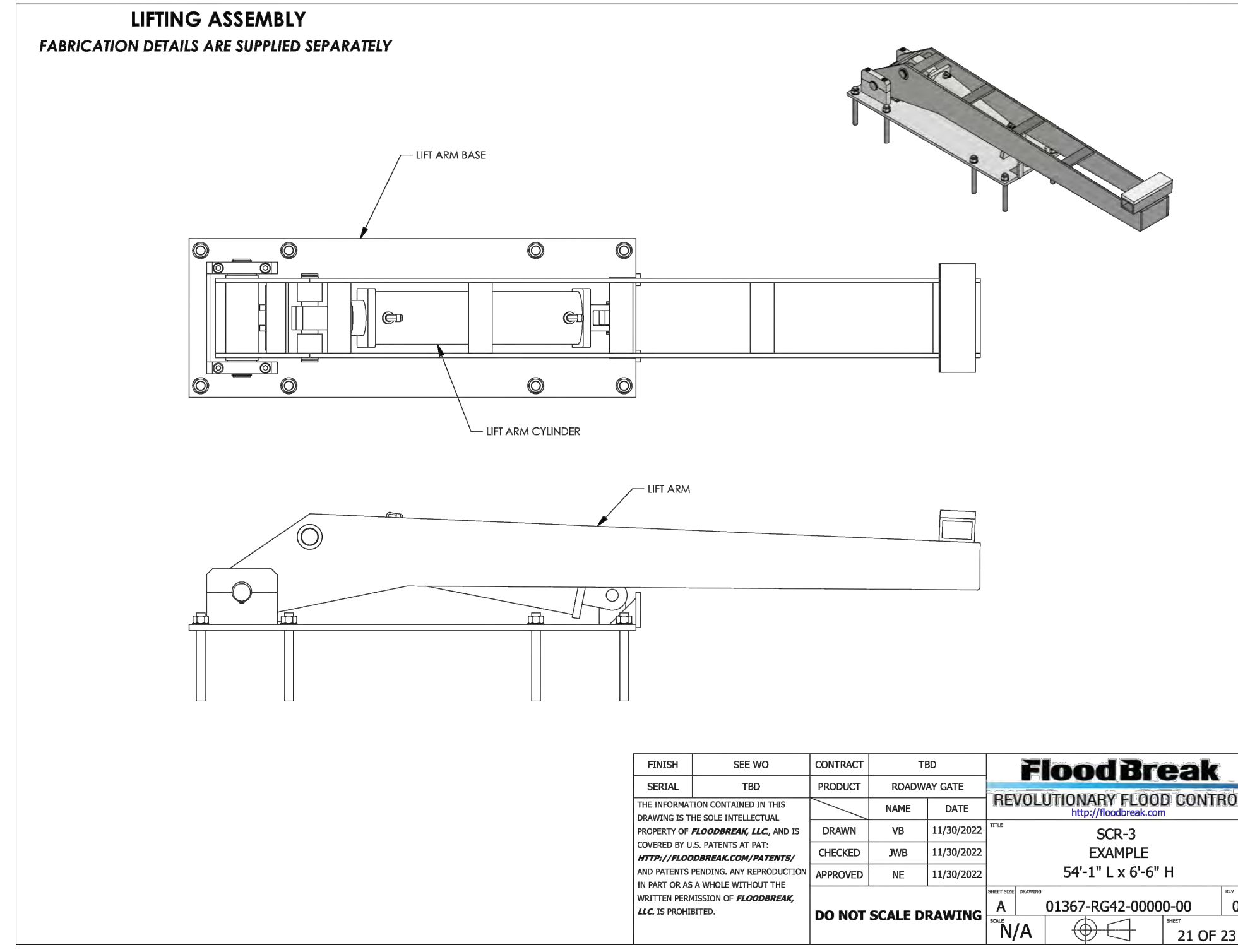
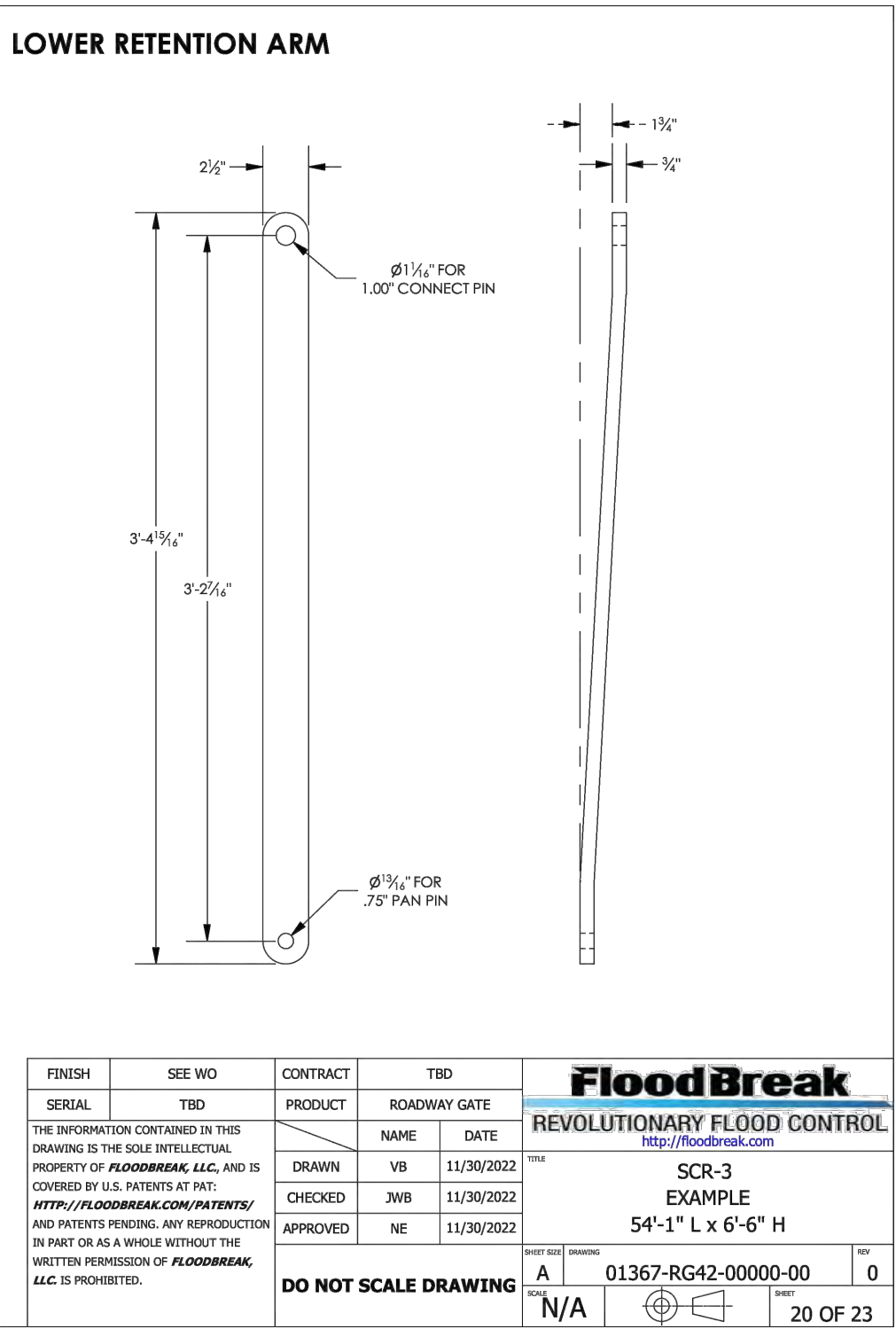
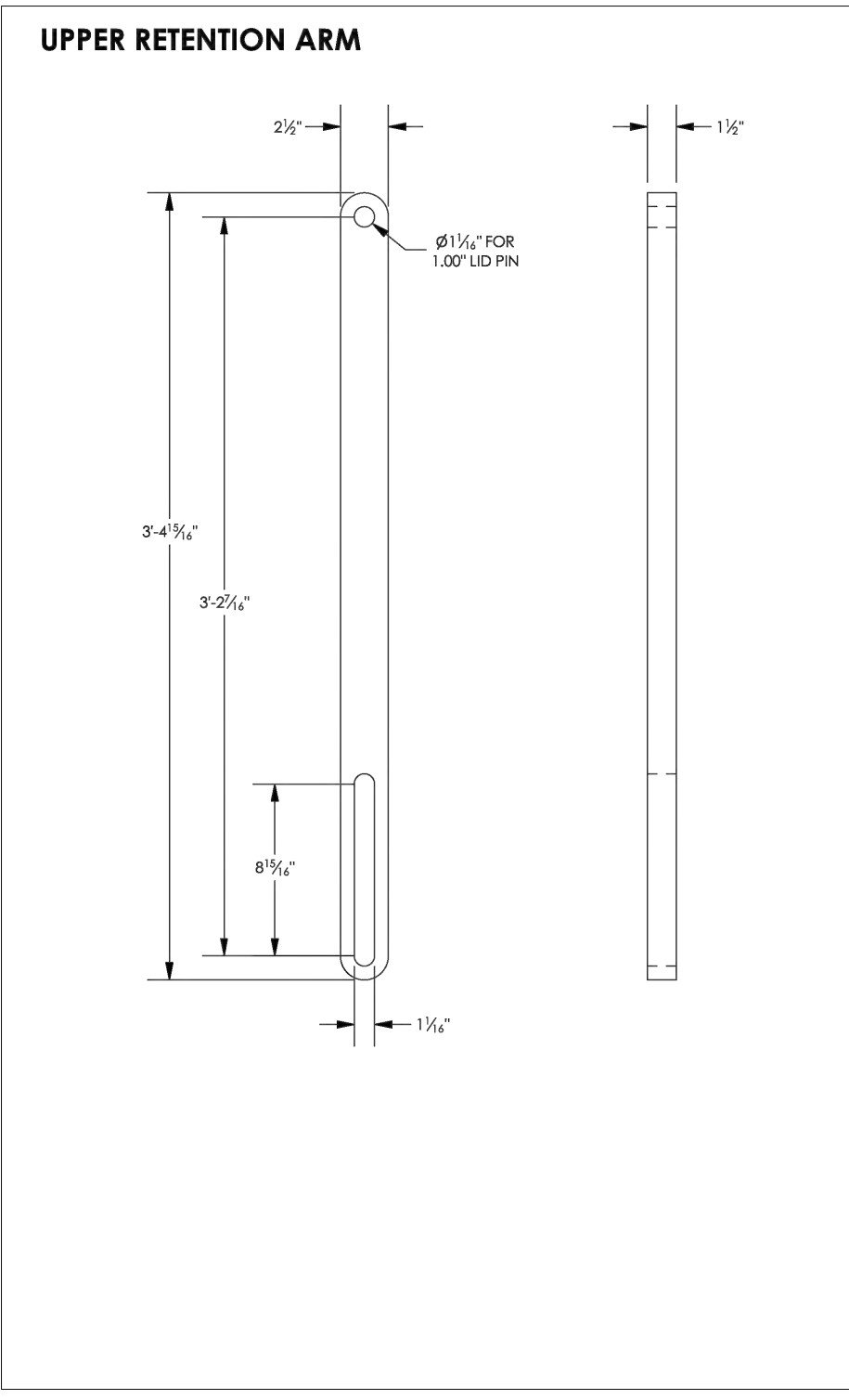
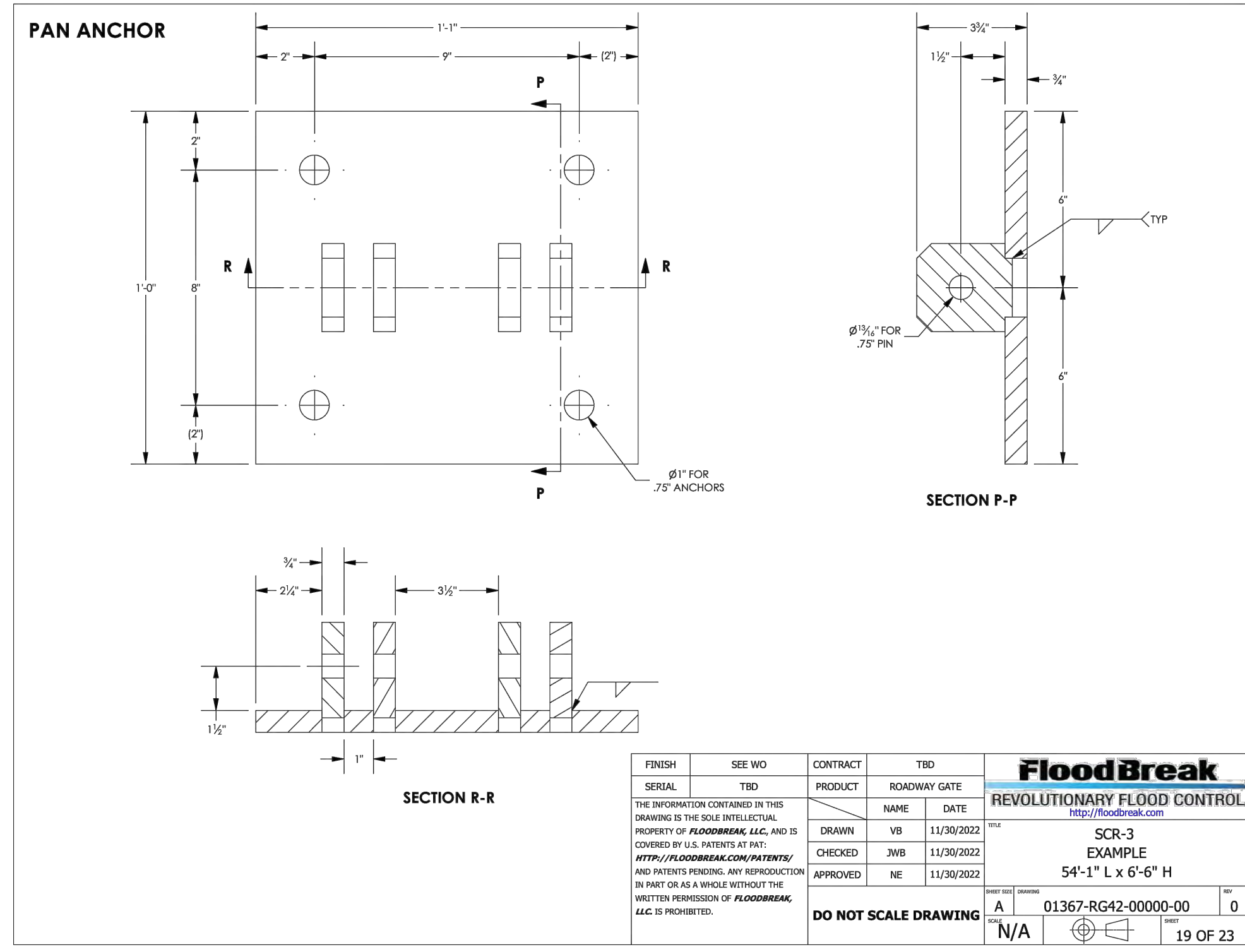
WATERSHED DIRECTOR: *[Signature]* 8/16/2024
 DATE

VENTURA COUNTY PUBLIC WORKS AGENCY
 WATERSHED PROTECTION

SPEC. NO. WP25-05
 PROJ. NO. 82045

SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 FLOOD GATE DETAILS (FLOODBREAK)

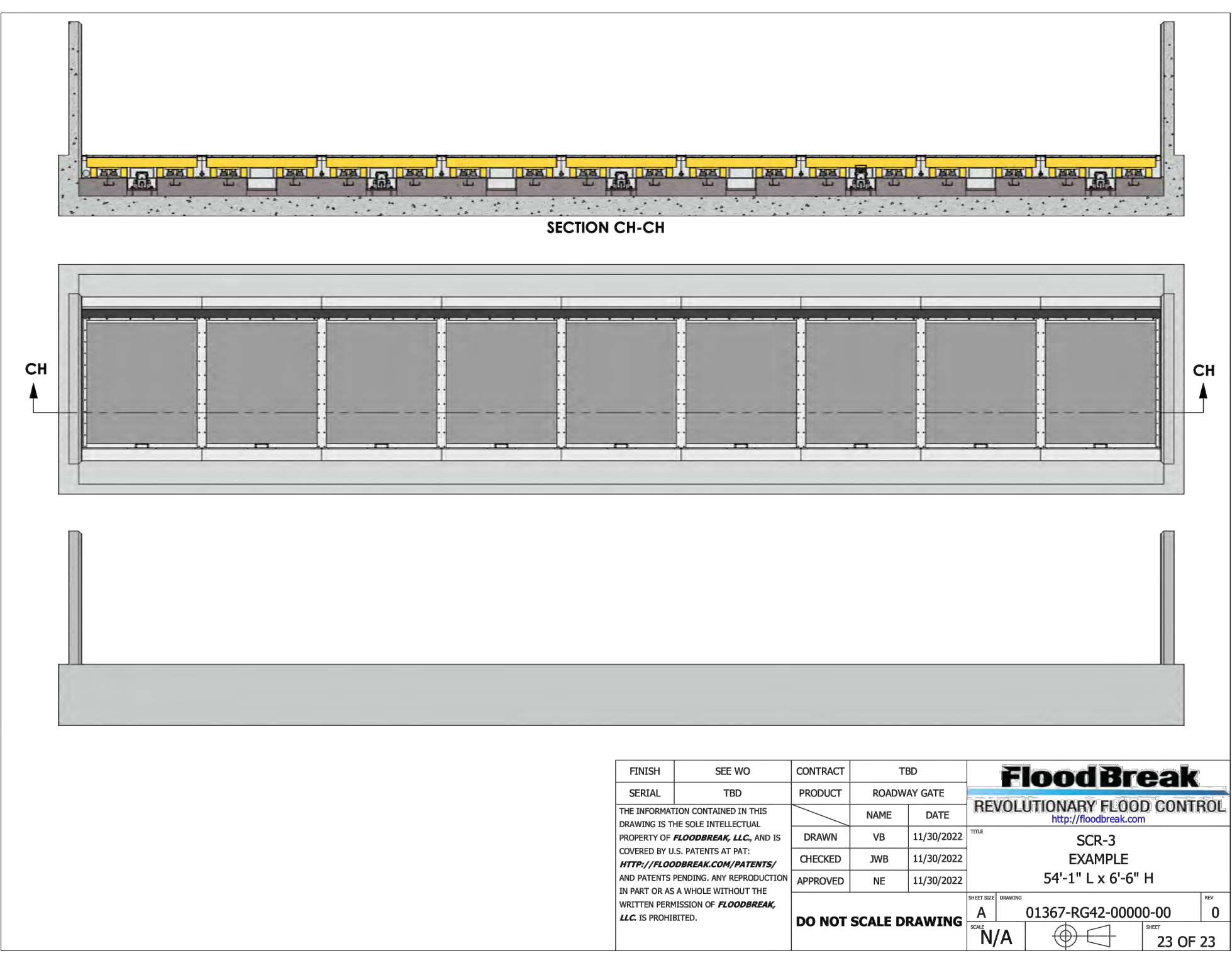
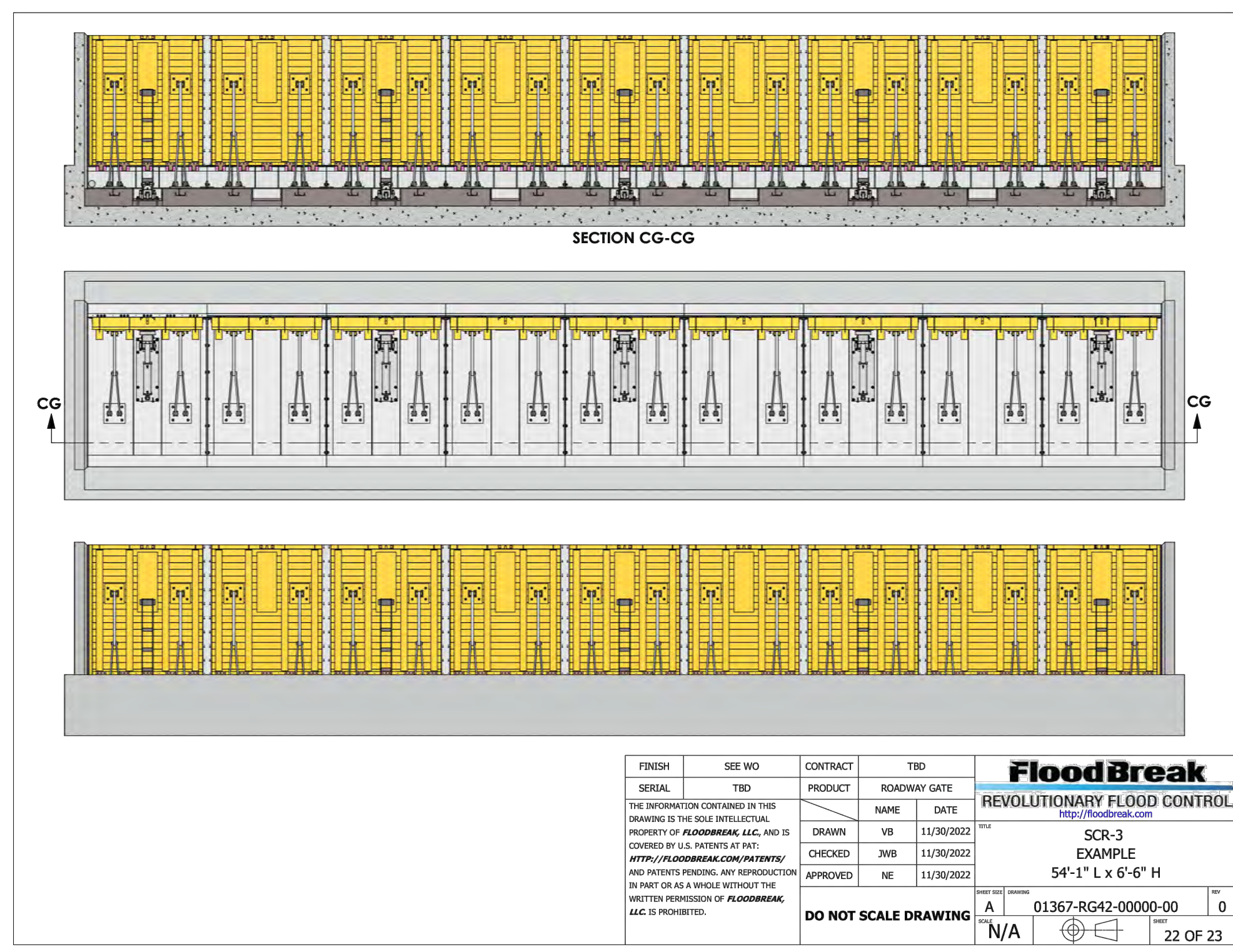
SHEET 59 OF 62
 DRAWING NO. WPD-2-388



FINISH	SEE WD	CONTRACT	TBD
SERIAL	TBD	PRODUCT	ROADWAY DATE
FloodBreak REVOLUTIONARY FLOOD CONTROL http://floodbreak.com			
SCR-3 EXAMPLE 54'-1" L x 6'-6" H			
<small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK LLC AND IS COVERED BY U.S. PATENTS AT PAT: HTTP://FLOODBREAK.COM/PATENTS/ AND INTERESTS HEREIN. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK LLC IS PROHIBITED.</small>	<small>DRAWN</small> VB <small>CHECKED</small> JWB <small>APPROVED</small> NE <small>DATE</small> 11/30/2022	<small>DATE</small> 11/30/2022 <small>DATE</small> 11/30/2022	<small>DATE</small> 11/30/2022
DO NOT SCALE DRAWING			
<small>REV</small> A <small>NO</small> 01367-RG42-00000-00 <small>DATE</small> N/A		<small>REV</small> 0 <small>NO</small> 01367-RG42-00000-00 <small>DATE</small> 19 OF 23	

FINISH	SEE WD	CONTRACT	TBD
SERIAL	TBD	PRODUCT	ROADWAY DATE
FloodBreak REVOLUTIONARY FLOOD CONTROL http://floodbreak.com			
SCR-3 EXAMPLE 54'-1" L x 6'-6" H			
<small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK LLC AND IS COVERED BY U.S. PATENTS AT PAT: HTTP://FLOODBREAK.COM/PATENTS/ AND INTERESTS HEREIN. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK LLC IS PROHIBITED.</small>	<small>DRAWN</small> VB <small>CHECKED</small> JWB <small>APPROVED</small> NE <small>DATE</small> 11/30/2022	<small>DATE</small> 11/30/2022 <small>DATE</small> 11/30/2022	<small>DATE</small> 11/30/2022
DO NOT SCALE DRAWING			
<small>REV</small> A <small>NO</small> 01367-RG42-00000-00 <small>DATE</small> N/A		<small>REV</small> 0 <small>NO</small> 01367-RG42-00000-00 <small>DATE</small> 20 OF 23	

FINISH	SEE WD	CONTRACT	TBD
SERIAL	TBD	PRODUCT	ROADWAY DATE
FloodBreak REVOLUTIONARY FLOOD CONTROL http://floodbreak.com			
SCR-3 EXAMPLE 54'-1" L x 6'-6" H			
<small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK LLC AND IS COVERED BY U.S. PATENTS AT PAT: HTTP://FLOODBREAK.COM/PATENTS/ AND INTERESTS HEREIN. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK LLC IS PROHIBITED.</small>	<small>DRAWN</small> VB <small>CHECKED</small> JWB <small>APPROVED</small> NE <small>DATE</small> 11/30/2022	<small>DATE</small> 11/30/2022 <small>DATE</small> 11/30/2022	<small>DATE</small> 11/30/2022
DO NOT SCALE DRAWING			
<small>REV</small> A <small>NO</small> 01367-RG42-00000-00 <small>DATE</small> N/A		<small>REV</small> 0 <small>NO</small> 01367-RG42-00000-00 <small>DATE</small> 21 OF 23	



FINISH	SEE WD	CONTRACT	TBD
SERIAL	TBD	PRODUCT	ROADWAY DATE
FloodBreak REVOLUTIONARY FLOOD CONTROL http://floodbreak.com			
SCR-3 EXAMPLE 54'-1" L x 6'-6" H			
<small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK LLC AND IS COVERED BY U.S. PATENTS AT PAT: HTTP://FLOODBREAK.COM/PATENTS/ AND INTERESTS HEREIN. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK LLC IS PROHIBITED.</small>	<small>DRAWN</small> VB <small>CHECKED</small> JWB <small>APPROVED</small> NE <small>DATE</small> 11/30/2022	<small>DATE</small> 11/30/2022 <small>DATE</small> 11/30/2022	<small>DATE</small> 11/30/2022
DO NOT SCALE DRAWING			
<small>REV</small> A <small>NO</small> 01367-RG42-00000-00 <small>DATE</small> N/A		<small>REV</small> 0 <small>NO</small> 01367-RG42-00000-00 <small>DATE</small> 22 OF 23	

FINISH	SEE WD	CONTRACT	TBD
SERIAL	TBD	PRODUCT	ROADWAY DATE
FloodBreak REVOLUTIONARY FLOOD CONTROL http://floodbreak.com			
SCR-3 EXAMPLE 54'-1" L x 6'-6" H			
<small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE INTELLECTUAL PROPERTY OF FLOODBREAK LLC AND IS COVERED BY U.S. PATENTS AT PAT: HTTP://FLOODBREAK.COM/PATENTS/ AND INTERESTS HEREIN. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOODBREAK LLC IS PROHIBITED.</small>	<small>DRAWN</small> VB <small>CHECKED</small> JWB <small>APPROVED</small> NE <small>DATE</small> 11/30/2022	<small>DATE</small> 11/30/2022 <small>DATE</small> 11/30/2022	<small>DATE</small> 11/30/2022
DO NOT SCALE DRAWING			
<small>REV</small> A <small>NO</small> 01367-RG42-00000-00 <small>DATE</small> N/A		<small>REV</small> 0 <small>NO</small> 01367-RG42-00000-00 <small>DATE</small> 23 OF 23	

- NOTES:**
- A SIGN SHALL BE POSTED ON EITHER SIDE OF THE FLOODGATE TO NOTIFY THAT STREET SWEEPER SHALL NOT SWEEP OVER THE DECK OF THE FLOODGATE.
 - THE CONTROL UNIT FOR THE FLOODGATE SHALL REQUIRE AN EMERGENCY GENERATOR CONNECTION OUTLET RATED AT THE AGENCIES TEMPORARY GENERATOR CAPACITIES.
 - CONTRACTOR SHALL SUPPLY AN INDOOR AND OUTDOOR 110 POWER OUTLET.
 - THE DRAINAGE CLEANOUT PIPE SHALL HAVE A SCREW CAP IDENTIFYING IT AS A FLOODGATE CLEANOUT, PER O&M.
 - THE "FLOODGATE OPENING LIMITS" SHALL BE MARKED WITH REFLECTIVE TAPE PLACED ON THE WIPER WALLS AT GATES MAXIMUM OPEN POSITION, ON BOTH WIPER WALLS.
 - CONTRACTOR SHALL INSTALL A PERMANENT FENCE AROUND THE WIPER WALL CONCRETE STRUCTURE
 - CONTRACTOR SHALL INSTALL PROPER LIGHTING IN THE CONTROL ROOM, INDOORS AND OUTDOORS.
 - CONTRACTOR SHALL PROVIDE A DEAD BOLT TYPE LOCK FOR THE LOCK ON THE CONTROL ROOM
 - TOP EDGE OF CONCRETE STEPS SHALL HAVE RED OR YELLOW REFLECTIVE PAINT OR TAPE ON EACH STEP.
 - A HANDRAIL SHALL BE ADDED FOR STEPS ON ONE SIDE ONLY.
 - CONTRACTOR SHALL PROVIDE A SOLID METAL DOOR FOR THE CONTROL ROOM DOOR.
 - BEACON LIGHTS ON EITHER THE CONTROL ROOM AND AT THE BUNKER'S HIGHEST OUTER VISUAL POINTS SHALL BE ERRECTED AT FLOODGATE TO PROVIDE PUBLIC NOTIFICATION WHEN GATES ARE ACTIVATED.
 - THE KEY AND LOCK MECHANISM ON THE CONTROL ROOM DOOR AND THE CONTROL CABINET SHOULD BE A GANG KEY THAT ARE OPENED BY THE SAME KEY. SUGGEST THE SAME KEY AND LOCKS THAT ARE USED FOR THE FLOODGATE CONTROL ROOM AND CONTROL CABINET ARE THE SAME AS IN THE SIGNAL CONTROL CABINETS.
 - A PLACARD SHALL BE PLACED INSIDE THE CONTROL ROOM BY THE OPERATIONAL CONTROLS WITH OPERATION INSTRUCTIONS. IT SHOULD SPECIFY THAT MANUALLY OPENING AND CLOSING FLOODGATE IS A TWO-MAN OPERATION.
 - OPERATION MANUAL SHOULD BE KEPT ON THE INSIDE OF THE CONTROL CABINET DOOR.

D				
C				
B				
A				
△	REVISION	DESCRIPTION	APP.	DATE

Michael Baker INTERNATIONAL
 5 Hutton Centre Drive, Suite 500
 Santa Ana, CA 92707
 Phone: (949) 472-3505
 MBAKERINTL.COM

DESIGNED: *[Signature]* 8/14/2024
 DATE

DRAWN: *[Signature]* 8/15/2024
 DATE

CHECKED: *[Signature]* 8/16/2024
 DATE

APP. *[Signature]* 8/11/2024
 DATE

R.C.E.

DESIGNED: *[Signature]* 8/14/2024
 DATE

DRAWN: *[Signature]* 8/15/2024
 DATE

CHECKED: *[Signature]* 8/16/2024
 DATE

VENTURA COUNTY PUBLIC WORKS AGENCY WATERSHED PROTECTION

SPEC. NO.	WP25-05
PROJ. NO.	82045

SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
 FLOOD GATE DETAILS (FLOODBREAK)

SHEET	60
OF	62
DRAWING NO.	WPD-2-388

SYMBOLS & ABBREVIATIONS

- CEILING OR PENDANT FIXTURE, INCANDESCENT, H.I.D. OR C.F.L.
- ⦶ WALL MOUNTED FIXTURE, INCANDESCENT, H.I.D. OR C.F.L.
- ⦶ FLOODLIGHT FIXTURE, INCANDESCENT, OR H.I.D.
- ⦶ FLUORESCENT STRIP FIXTURE
- ⊕ JUNCTION BOX
- ⊕ DUPLEX RECEPTACLE, +15" UNLESS NOTED OTHERWISE
- ⊕ DOUBLE DUPLEX (QUADRUPLEX) RECEPTACLE, +15" U.N.O.
- ⊕ SINGLE RECEPTACLE, +15" UNLESS NOTED OTHERWISE
- ⊕ CONNECTION TO EQUIPMENT AS NOTED
- \$ SINGLE POLE SWITCH, +44" UNLESS NOTED OTHERWISE
- \$ DOUBLE POLE SWITCH, +44" UNLESS NOTED OTHERWISE
- \$ THREE WAY SWITCH, +44" UNLESS NOTED OTHERWISE
- SURFACE MOUNTED PANELBOARD
- FLUSH MOUNTED PANELBOARD
- SWITCHBOARD OR POWER PANEL
- Ⓜ MOTOR
- ⊗ MOTOR STARTER
- ⊠ DISCONNECT SWITCH
- ⊠ FUSIBLE DISCONNECT SWITCH
- WIRING CONCEALED IN CEILING OR WALL
- WIRING CONCEALED IN FLOOR OR UNDERGROUND
- UNLESS OTHERWISE IDENTIFIED, CIRCUITS ARE
- 2 #12-1/2"C. (2 #12 WIRES IN 1/2" CONDUIT)
- /// 3 #12-1/2"C. // /// 5 #12-3/4"C.
- /// 4 #12-3/4"C. // /// 6 #12-1"C.
- > A-1,3HOME RUN TO PANEL "A", CIRCUITS 1 & 3
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- ⬄ TELEPHONE/DATA OUTLET
- ⬅ INTERCOM OUTLET

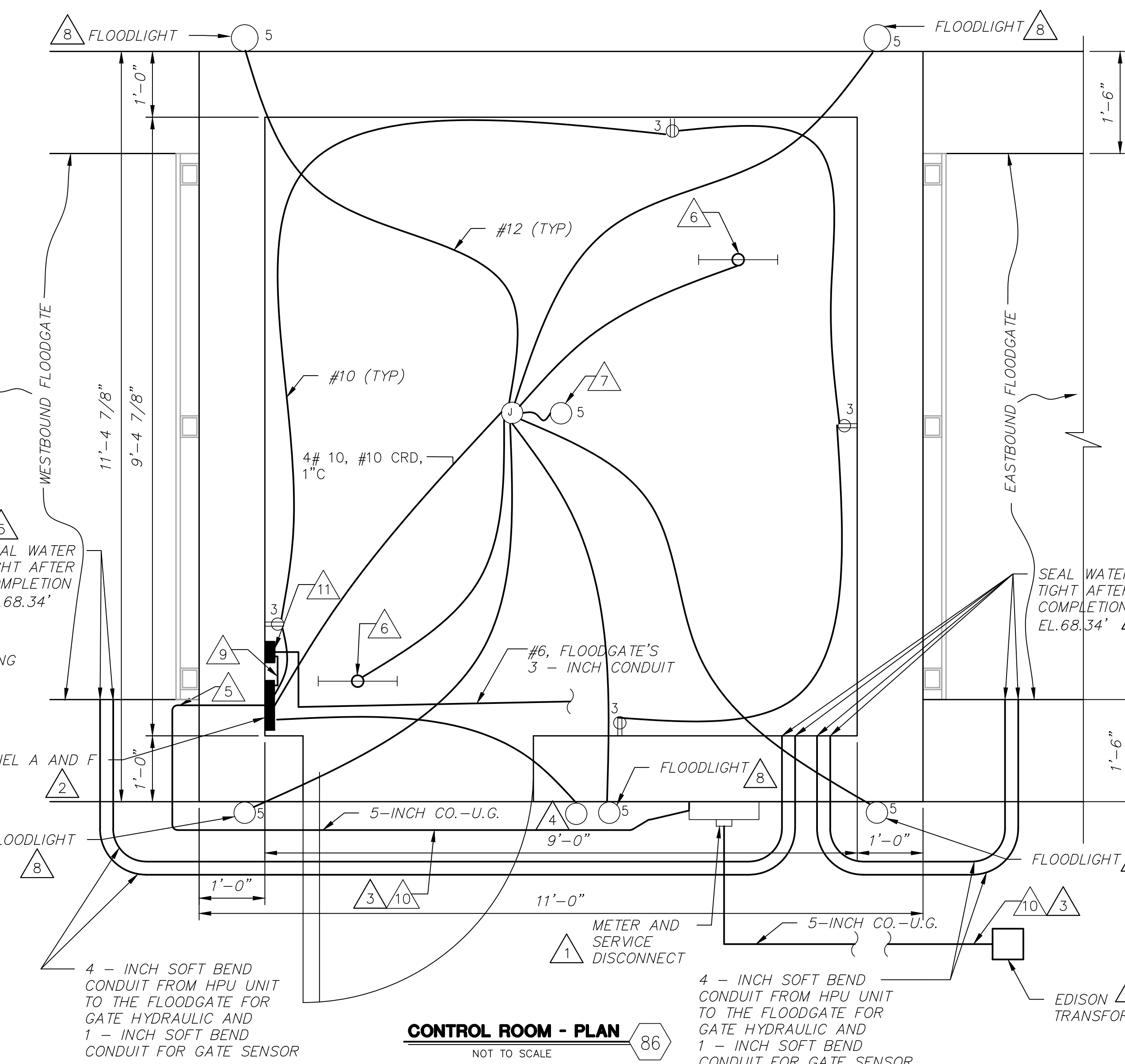
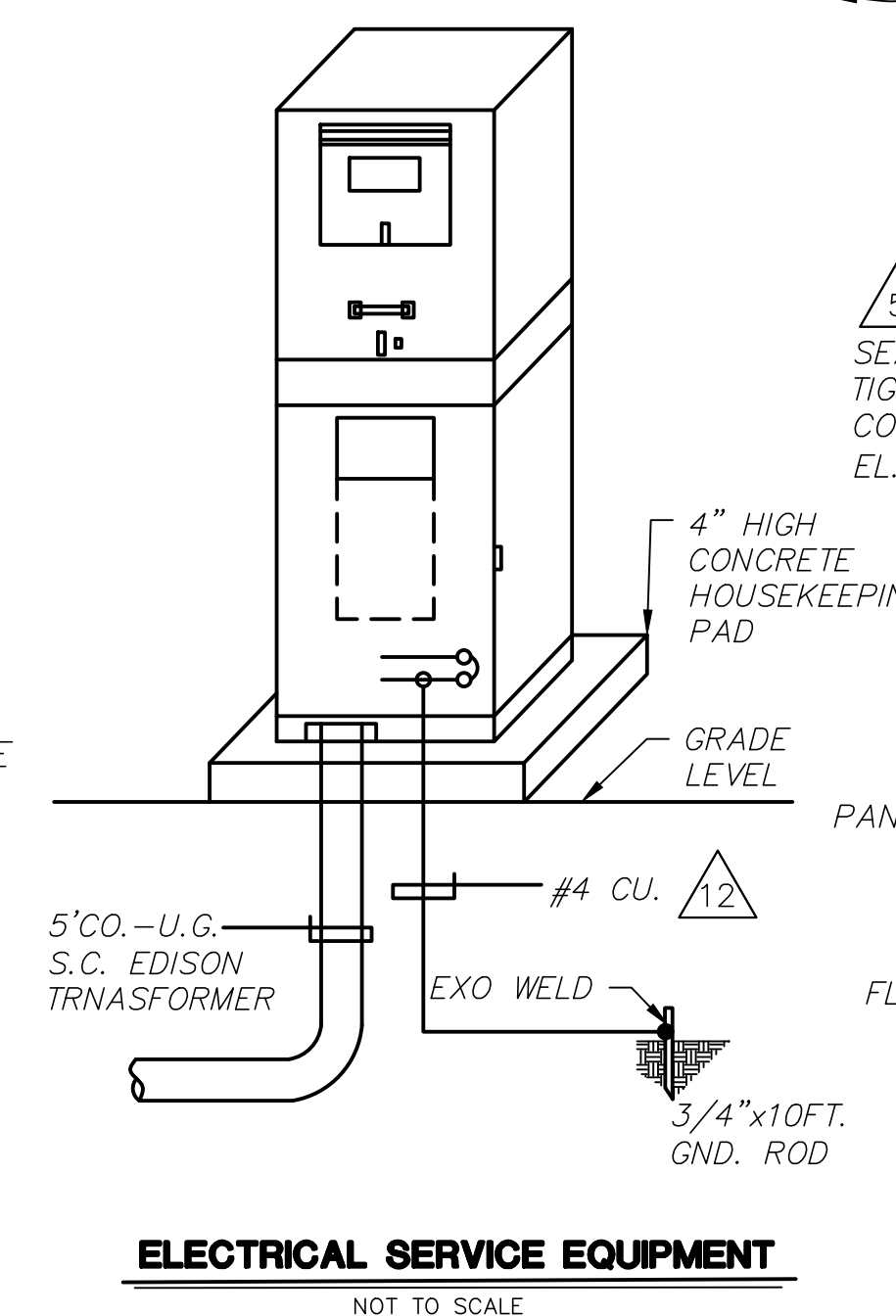
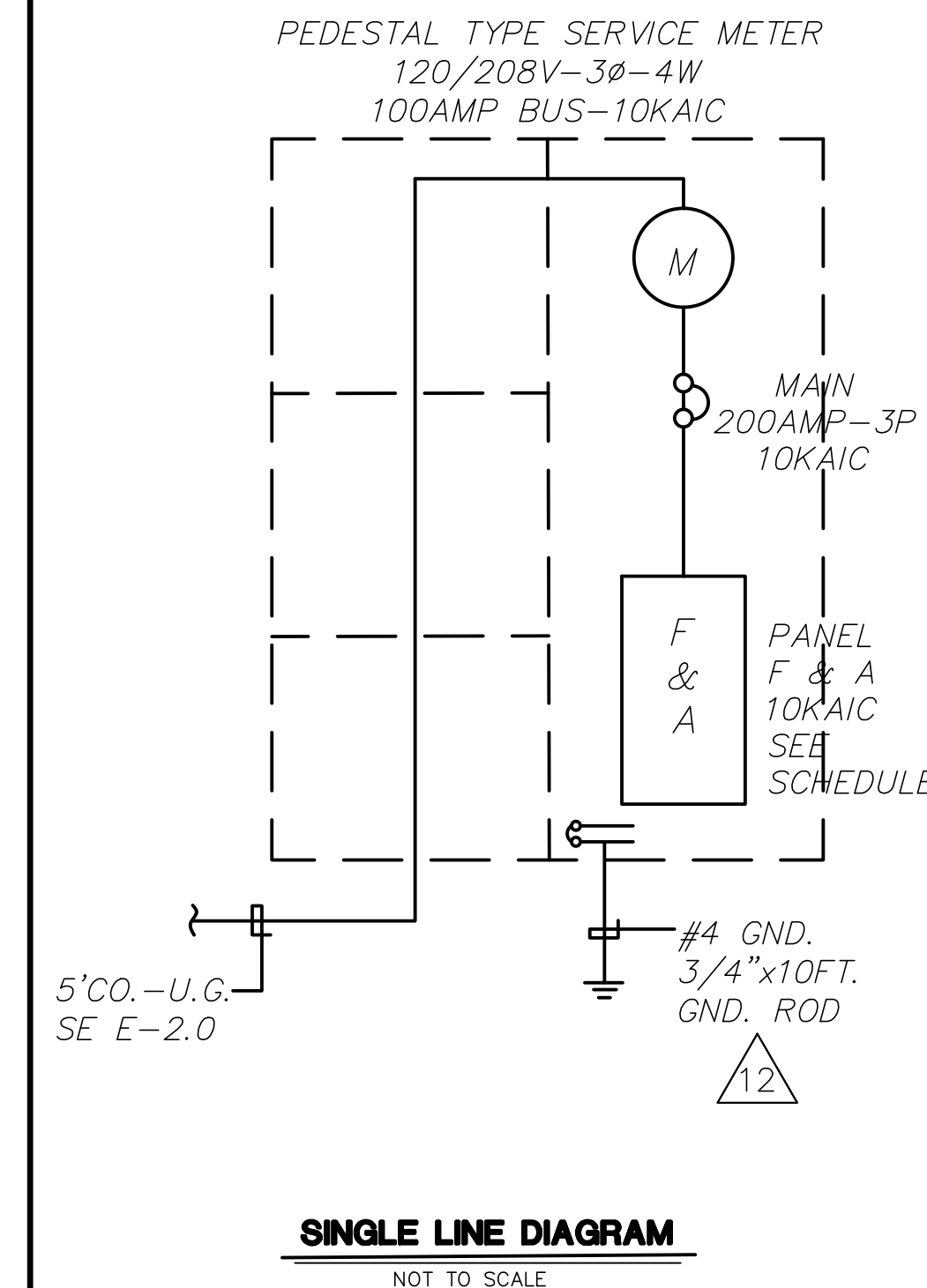
- A AMPERES
- C CONDUIT
- CB CIRCUIT BREAKER
- CO CONDUIT ONLY
- CKT CIRCUIT
- CLG CEILING
- CFL COMPACT FLUORESCENT LAMP
- (E) EXISTING
- GFI GROUND FAULT INTERRUPTER
- GRD GROUND
- HID HIGH INTENSITY DISCHARGE
- HP HORSE POWER
- HPS HIGH PRESSURE SODIUM
- KW KILOWATTS
- TYP TYPICAL
- UG UNDERGROUND
- V VOLTS
- VA VOLTAMPERES
- W WATTS
- WP WEATHERPROOF

PANEL A: 120/240 VOLTS, SINGLE PHASE, THREE WIRE, SOLID NEUTRAL, 100 AMP MAIN LUGS ONLY
10,000 A SHORT CIRCUIT RATING, SURFACE MOUNTING, MFGR. TYPE: LOAD CENTER

REMARKS	LOAD - VOLTAMP	OUTLETS	BREAKER	CIRCUIT	BREAKER	OUTLETS	LOAD - VOLTAMP	REMARKS
	L-1 L-2	LTG REC MISC	A P	NUMBERS	A P	LTG REC MISC	L-1 L-2	
LIGHTS	60	720		15 1 1	2 15 1			LIGHTS
RECEIPT.				20 1 3	4		600	RECEIPT
FLOODLIGHTS	300	4 4		15 1 5	6 15 1	1	100	FLOODLIGHTS
SPARE				20 1 7	8 20 1		360	SPARE
SPARE				9	10			SPARE
SPARE				11	12			SPARE
SPARE				13	14			SPARE
SPARE				15	16			SPARE
CONNECTED LOAD, L-1:	1,060	L-2:	1,680	TOTAL:	2,740 VA,	12 AMPS		
CONTINUOUS LOAD	360 VA @ 125% =	450 VA						
LARGEST MOTOR	1,200 VA @ 125% =	1,500 VA						
REMAINDER	2,380 VA @ 100% =	2,380 VA						
TOTAL COMPUTED LOAD					4,330 VA,	18 AMPS		

(PC): **VA PHOTOCONTROL**

REMARKS	LOAD - VOLTAMP	OUTLETS	BREAKER	CIRCUIT	BREAKER	OUTLETS	LOAD - VOLTAMP	REMARKS
	L-1 L-2	LTG REC MISC	A P	NUMBERS	A P	LTG REC MISC	L-1 L-2 L-3	
FLOOD GATE WEST			80	3	1		7000	FLOOD GATE WEST
208 V-3Φ-58A				5			7000	
SPARE				2				SPARE
SPARE				4				SPARE
SPARE				6				SPARE
FLOOD GATE EAST			80	7			7000	FLOOD GATE EAST
208 V-3Φ-58A				11			7000	
SPARE				8				SPARE
SPARE				10				SPARE
SPARE				12				SPARE
FLOOD GATE WEST	21,000 VA @ 100% =	21,000 VA	58 AMPS					
FLOOD GATE EAST	21,000 VA @ 100% =	21,000 VA	58 AMPS					
					116 AMPS			



GENERAL NOTES

- FURNISH ALL MATERIALS, EQUIPMENT, TOOLS, LABOR AND INCIDENTALS NECESSARY TO COMPLETE THE ELECTRICAL WORK. UNLESS OTHERWISE INDICATED ALL WORK SHALL BE FULLY OPERATIONAL.
- UNLESS OTHERWISE INDICATED ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND TO THE CALIFORNIA ELECTRICAL CODE, CURRENT EDITION.
- PROVIDE TO THE OWNER RECORD DRAWINGS OF THE COMPLETED ELECTRICAL SYSTEM. ACCURATELY DIMENSION THE LOCATIONS OF UNDERGROUND CONDUIT AND CONCEALED CONDUIT STUBS.
- THE ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND THE LOCATIONS INDICATED ARE APPROXIMATE ONLY. INSTALL RACEWAYS, FIXTURES AND EQUIPMENT IN SUCH A MANNER AS TO AVOID INTERFERENCE WITH ARCHITECTURAL AND STRUCTURAL FEATURES AND TO PRESERVE REQUIRED CLEARANCES.
- THE ENGINEER RESERVES THE RIGHT TO MAKE REASONABLE CHANGES IN THE LOCATIONS OF FIXTURES, OUTLETS AND EQUIPMENT PRIOR TO ROUGHING-IN WITHOUT OBLIGATING THE OWNER OR ENGINEER TO ANY ADDITIONAL EXPENSE THEREFOR.
- WIRING FOR POWER AND LIGHTING CIRCUITS SHALL BE IN CONDUIT OR OTHER RACEWAY. CONDUIT EXPOSED TO WEATHER SHALL BE RIGID METAL CONDUIT OR INTERMEDIATE METAL CONDUIT. LIQUIDTIGHT FLEXIBLE METAL CONDUIT SHALL BE USED WHERE FLEXIBILITY IS REQUIRED, E.G. MOTOR CONNECTIONS.
- UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC, EXCEPT THAT ELBOWS IN SERVICE CONDUITS SHALL BE SCHEDULE 80 PVC. THE CONTRACTOR SHALL COORDINATE UNDERGROUND CONDUIT INSTALLATION WITH THE WORK OF OTHER TRADES.
- EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SECTION 307-2.1
- CONDUCTORS SHALL BE OF THE SIZES INDICATED ON THE DRAWING BUT NO SMALLER THAN NO. 12. CONDUCTORS SHALL BE THW OR THWN COPPER.
- GROUND ALL ELECTRICAL SYSTEMS AND EQUIPMENT AS REQUIRED BY CODE. ALL SYSTEM GROUNDING CONDUCTORS SHALL BE COPPER WITH COPPER ALLOY CLAMPS AND CONNECTORS. BURIED OR CONCRETE ENCASED CONNECTIONS SHALL BE WELDED OR COMPRESSION TYPE CONNECTORS.
- STRUCTURES:
 - ALL SUBSTRUCTURES SHALL BE CONSTRUCTED OR INSTALLED TO EDISON SPECIFICATIONS.
 - INSTALL PROTECTION BARRIERS PER USG-830 WHEN REQUIRED IN AREAS EXPOSED TO TRAFFIC, PER EDISON INSPECTOR.
 - ALL CONDUIT LINES AND CONCRETE FLOORED SUBSTRUCTURES SHALL BE WATER TIGHT.
 - ALL GROUNDING MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

REFERENCED NOTES

- NEW 200AMP-120/208V-3Φ-4W GND. SERVICE PEDESTAL IN NEMA 3R MYERS MODEL MEUG16-M100. 10KAIC RATES, CONCRETE BASE AND PHOTOCELL PROVIDE 4" HIGH CONCRETE PAD. SEE DETAIL 6/E-1.0
- PANEL 'F', 120/208V, 3Φ, 4W, 200A MAIN LUGS, SEE PANEL SCHEDULE. PANEL 'A' 120/240V, SINGLE PHASE 3 WIRE 100 AMP MAIN LUGS, SEE PANEL SCHEDULE
- 5" C.O.-U.G. PER EDISON CO. REQUIREMENTS. PROVIDE SCH. 80 PVC SWEEP BEND 36" MIN. RADIUS, 30" MIN. COVER.
- PHOTOCONTROL FOR DAYLIGHT CONTROL OF FLOODLIGHTS, 120V, 1800VA. TORK #2101. MOUNT ON EXTERIOR WALL BELOW ROOF.
- STUB CONDUIT INTO UTILITIES CONTROL ROOM.
- PROVIDE A FLUORESCENT STRIP FIXTURE, 120V, SURFACE MOUNTING, WITH (1) F32T8 LAMP & WIREGUARD. LITHONIA S 1 32 120 GEB WGS.
- RECESSED DOWNLIGHT, 9", WET LOCATION, WITH TEMPERED PRISMATIC GLASS LENS & (1) 26W COMPACT FLUORESCENT LAMP. LITHONIA GOTHAM LGF 1 26TRT 9 RW T73 120. CONNECT TO PHOTOCONTROLLED FLOODLIGHT CIRCUIT.
- BEE'S LIGHTING, LED STANDARD WALL PACK WITH PHOTOCELL 40 WATTS BRAND: RAB LIGHTING COLLECTION: RAB WP123FA SERIES MPN:WP2FA40
- PROVIDE POWER FOR FLOODGATES
- CONTRACTOR TO MAKE POINT OF CONNECTION TO EXISTING TRANSFORMER. VERIFY LOCATION OF EXISTING 5" CONDUIT STUB-OUT FOR NEW FLOOD GATE PEDESTAL.
- FLOOD GATE CONTROLLER PROVIDE 208-3Φ-4W-GND. POER CONNECTION CONTRACTOR TO PROVIDE CONDUIT AND WIRE TO ALL POINTS OF CONNECTIONS TO METER AND FLOOD GATE CONTROLLER AND DEVICES TO MAKE FLOOD GATE FULLY OPERATIONAL.
- 2"C-4#1 + 1#4 GND.

QUANTITIES FOR ELECTRICAL WORKS		
DESCRIPTION	QUANTITIES	UNIT
3/4" PVC CONDUIT	200	L F.
1" PVC CONDUIT	60	L F.
4" PVC CONDUIT	200	L F.
5" PVC CONDUIT	300	L F.
#12 WIRE	150	L F.
#10 WIRE	300	L F.
#8 WIRE	600	L F.
#6 WIRE	600	L F.
#2 WIRE	100	L F.
#4 BARE WIRE	100	L F.
1-1/4" GALVANIZE RIGID STEEL CONDUIT NIPPLE	1	E. A.
RECEPTACLE OUTLET	4	E. A.
LIGHTING OUTLET	7	E. A.
SWITCH OUTLET	2	E. A.
COMMON AND CONTROL OUTLET	2	E. A.
POWER CONNECTIONS	3	E. A.
PANEL, 120/240, 200A MUNEL LUGS ONLY, SOCKET, LD-CONTROL	1	E. A.
200A METER SOCKET AND MAIN SWITCH	1	E. A.
LIGHT FIXTURE, FLOOD LIGHT	4	E. A.
LIGHT FIXTURE, DOWNLIGHT, 20W FLUORESCENCE	1	E. A.
PHOTO CONTROL	1	E. A.

D	DESIGNED	MJ	8/14/2024
C	DRAWN	ND	8/15/2024
B	CHECKED	MJ	8/16/2024
A			
REVISION	DESCRIPTION	APP.	DATE

**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT**

DESIGNED: MJ, 8/14/2024
DRAWN: ND, 8/15/2024
CHECKED: MJ, 8/16/2024

SPEC. NO. WP25-05
PROJ. NO. 82045

**SANTA CLARA RIVER LEVEE
DOWNSTREAM OF UPRR (SCR-3) - PHASE 2
CONTROL ROOM ELECTRICAL PLANS**

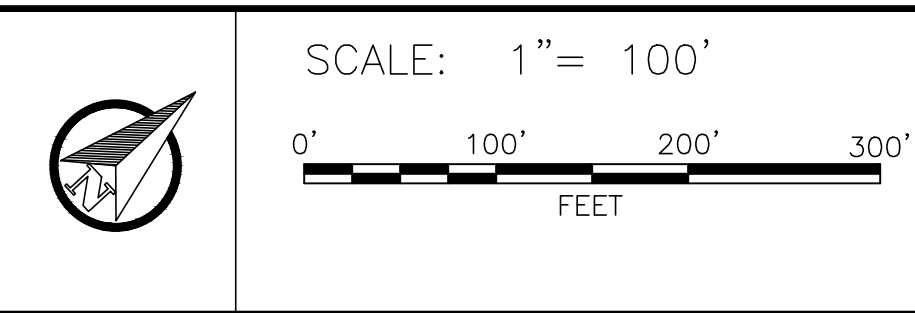
SHEET 61
OF 62
DRAWING NO. WPD-2-388

CURVE DATA							
CURVE	①	②	③	④	⑤	⑥	⑦
DELTA							
RADIUS							
TANGENT							
ARC							

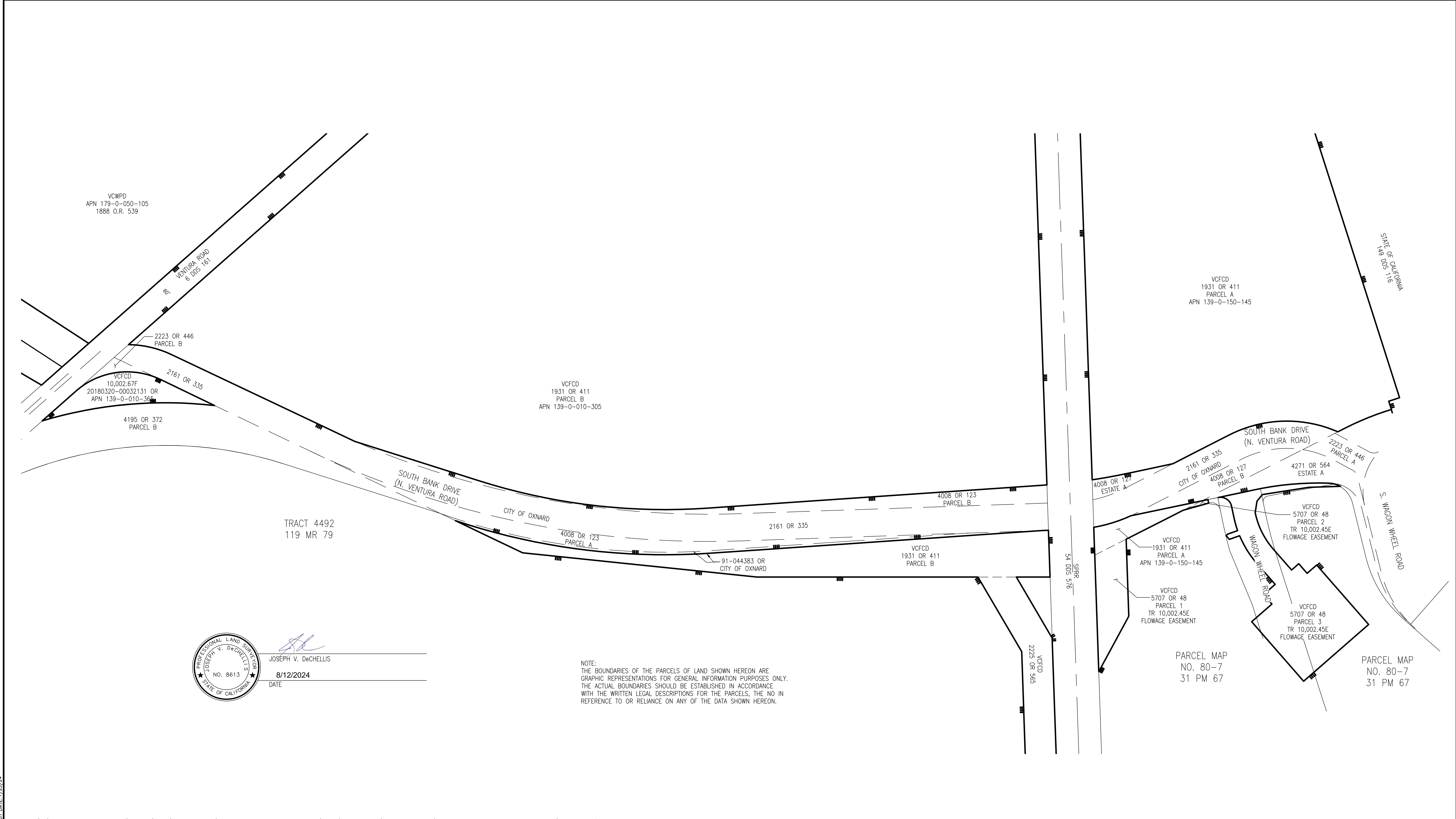
LEGEND	
OPR ODS M MR OR P PM R RS A	CALCULATED FROM RECORD DEEDS MEASURED MISCELLANEOUS RECORDS OFFICIAL RECORDS PROPORTIONED PARCEL MAPS RECORD RECORD OF SURVEYS VENTURA COUNTY STANDARD MONUMENT
	LIMIT OF PROPOSED PERMANENT PRIMARY INTEREST
	LIMIT OF PROPOSED PERMANENT SECONDARY INTEREST
	LIMIT OF PROPOSED TEMPORARY EASEMENT
	INSTRUMENT NUMBER

SURVEY CONTROL:
VCFB 2016-043

BASIS OF BEARINGS:
CCS83, ZONE 5 (US Feet) 2007.00 CSRC Epoch



INSTRUMENT NO.	GRANTOR	AREA		INTEREST	RECORDING DATA DOCUMENT NO.
		PARENT PROP.	TAKE		



JOSEPH V. DeCHELLIS
 DATE: 8/12/2024

NOTE:
THE BOUNDARIES OF THE PARCELS OF LAND SHOWN HEREON ARE GRAPHIC REPRESENTATIONS FOR GENERAL INFORMATION PURPOSES ONLY. THE ACTUAL BOUNDARIES SHOULD BE ESTABLISHED IN ACCORDANCE WITH THE WRITTEN LEGAL DESCRIPTIONS FOR THE PARCELS, THE NO IN REFERENCE TO OR RELIANCE ON ANY OF THE DATA SHOWN HEREON.

REVISION	DESCRIPTION	APP.	DATE	R.C.E.	DATE

**COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION DISTRICT**

SPEC. NO. WP25-05	SANTA CLARA RIVER LEVEE DOWNSTREAM OF UPRR (SCR-3) - PHASE 2 RIGHT OF WAY MAP	SHEET 62 OF 62
PROJ. NO. 82045		DRAWING NO. WPD-2-388