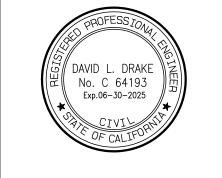


CABLE RAILING (REMOVABLE PROTECTIVE BARRIER)						
SPAN	NO. OF POSTS	4"ø PIPE, L.F.	6"ø PIPE, L.F.	1/2"ø STEEL CABLE, L.F.	NO. OF COVERS	NO. OF CLAMPS
110'	12	84	48	480	12	32

## CABLE RAILING DETAILS (REMOVABLE PROTECTIVE BARRIERS)

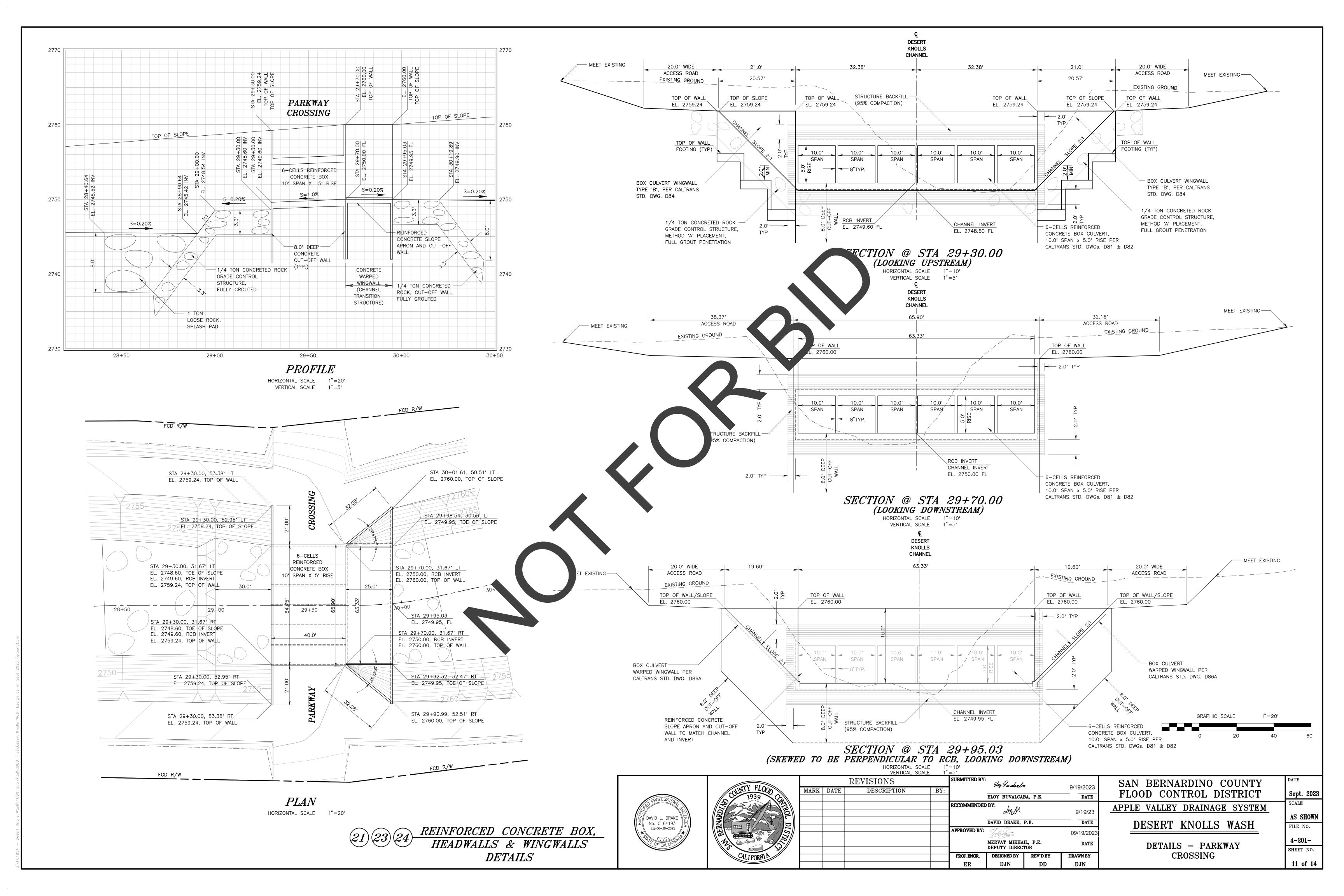


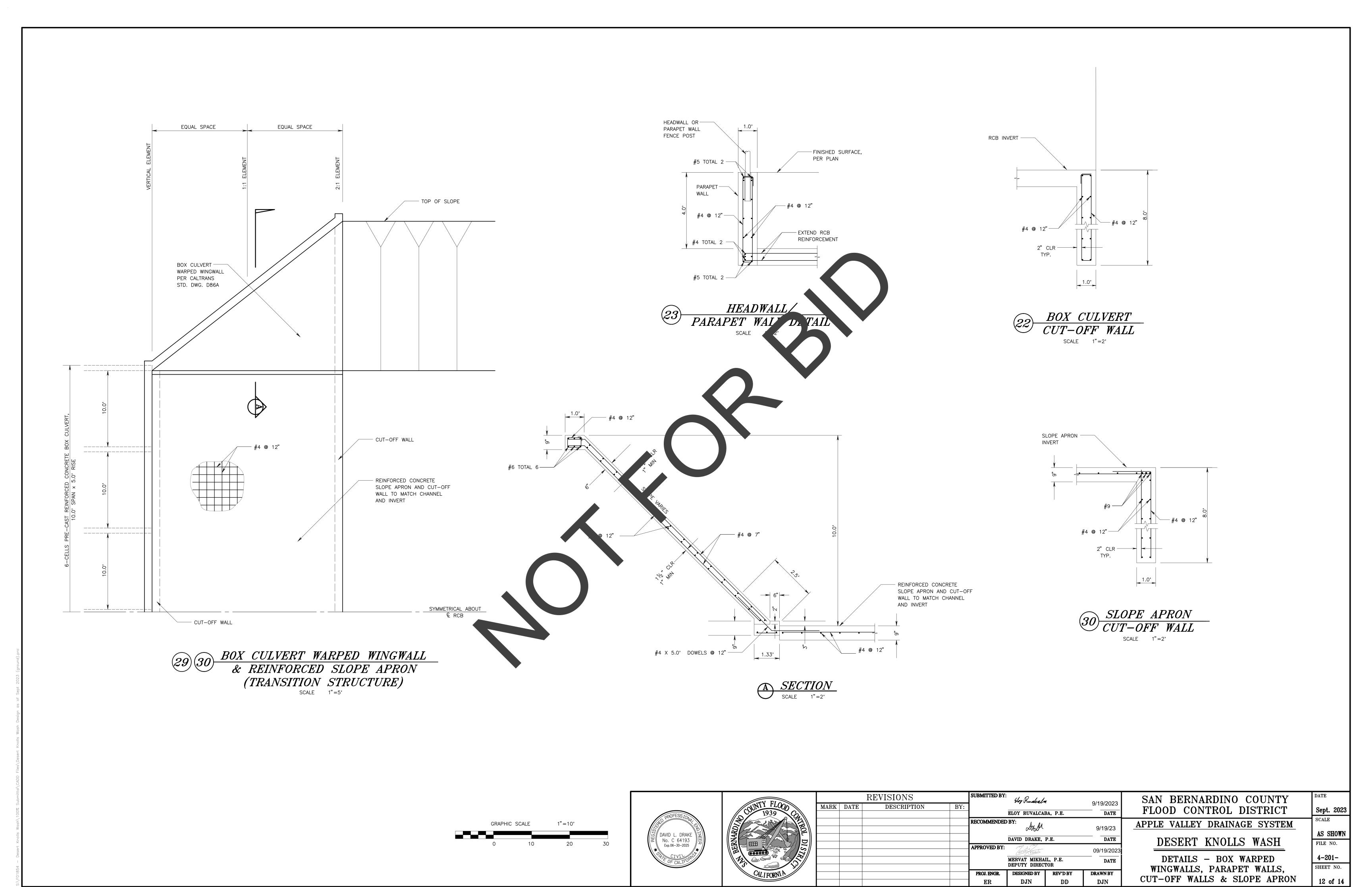


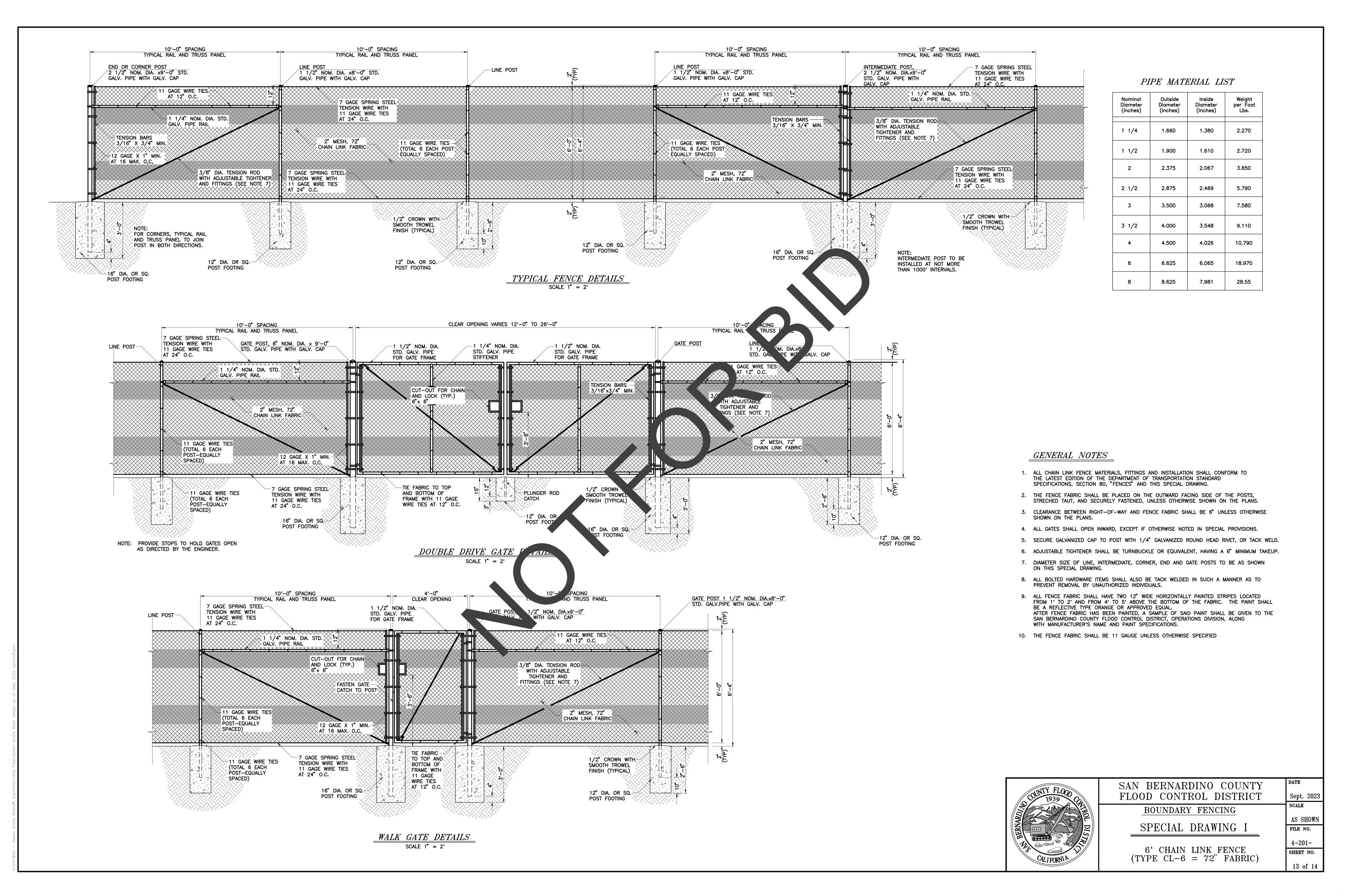
REVISIONS			SUBMITTED BY:	Eloy Runalcalo	7	0/40/0000		
<b>IARK</b>	DATE	DESCRIPTION	BY:	1			9/19/2023	
					ELOY RUVALCA	BA, P.E.	DATE	
				RECOMMENDED BY:			9/19/23	
					DAVID DRAKE,	P.E.	DATE	
				APPROVED BY:		09/19/2023		
				MERVAT MIKHAIL, P.E. DEPUTY DIRECTOR			DATE	
				PROJ. ENGR.	DESIGNED BY	REV'D BY	DRAWN BY	
				ER	DJN	DD	DJN	

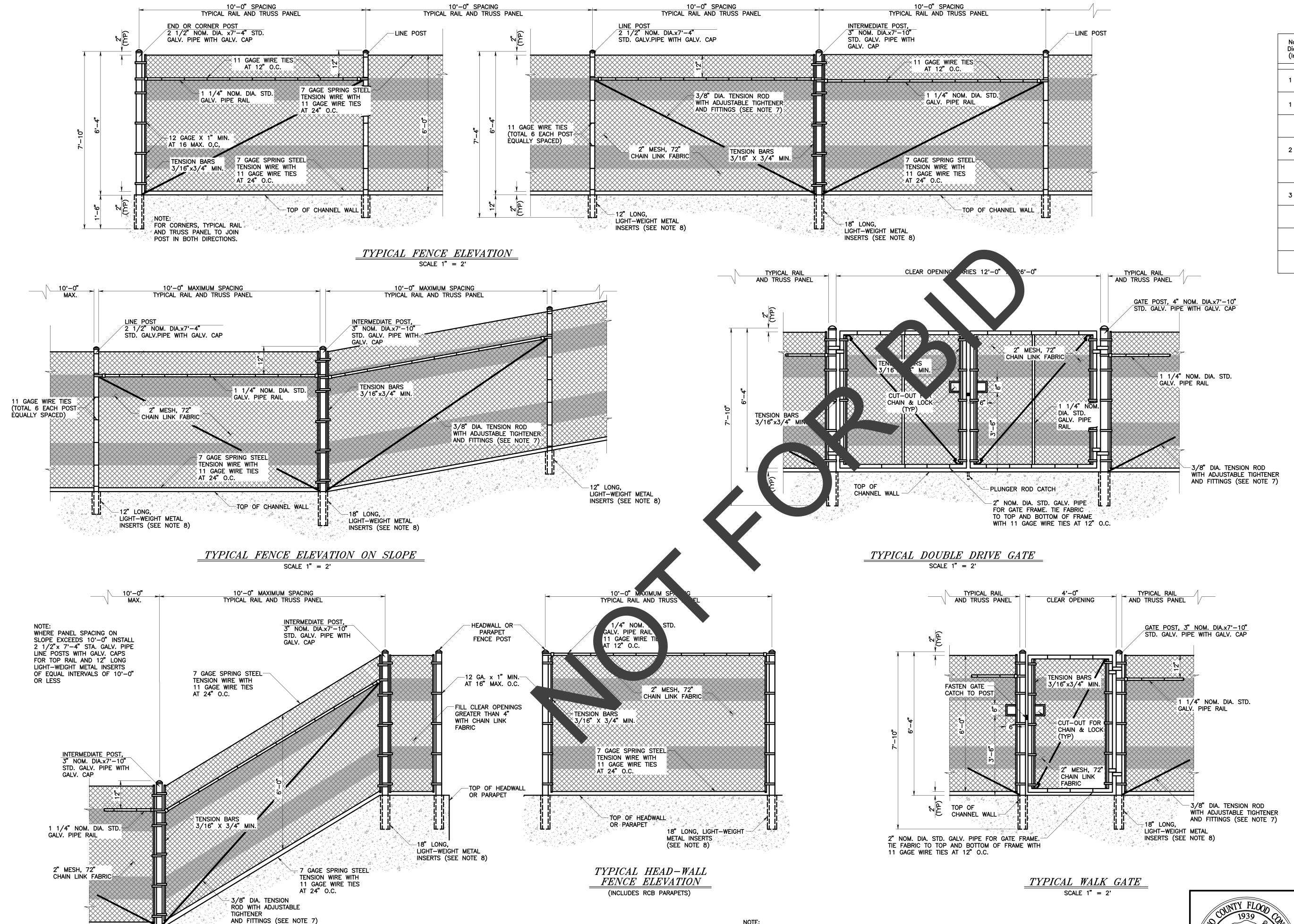
SAN BERNARDINO COUNTY	DATE
FLOOD CONTROL DISTRICT	Sept. 2023
APPLE VALLEY DRAINAGE SYSTEM	SCALE
	AS SHOWN
DESERT KNOLLS WASH	FILE NO.

AS SHOWN FILE NO. DETAILS - CABLE RAILING (REMOVABLE PROTECTIVE BARRIERS) 4-201-SHEET NO. 10 of 14









TYPICAL HEAD-WALL

FENCE ELEVATION

(INCLUDES RCB PARAPETS)

TOP OF

CHANNEL WALL

WHERE SPACING EXCEEDS 10'-0" INSTALL 2 1/2"x 7'-4" STA. GALV. PIPE LINE POSTS WITH GALV. EYE

LIGHT-WEIGHT METAL INSERTS OF EQUAL INTERVALS OF 10'-0"

OR LESS

TYPE CAPS FOR TOP RAIL AND 12" LONG

## PIPE MATERIAL LIST

Nominal Diameter (Inches)	Outside Diameter (Inches)	Inside Diameter (Inches)	Weight per Foot Lbs.
1 1/4	1.660	1.380	2.270
1 1/2	1.900	1.610	2.720
2	2.375	2.067	3.650
2 1/2	2.875	2.469	5.790
3	3.500	3.068	7.580
3 1/2	4.000	3.548	9.110
4	4.500	4.026	10.790
6	6.625	6.065	18.970
8	8.625	7.981	28.55

## GENERAL NOTES

- 1. ALL CHAIN LINK FENCE MATERIALS, FITTINGS AND INSTALLATION SHALL CONFORM TO THE LATEST EDITION OF THE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, SECTION 80, "FENCES" AND THIS SPECIAL DRAWING.
- 2. THE FENCE FABRIC SHALL BE PLACED ON THE OUTWARD FACING SIDE OF THE POSTS, STRECHED TAUT, AND SECURELY FASTENED, UNLESS OTHERWISE SHOWN ON THE PLANS.
- 3. THE FENCE FABRIC SHALL BE 9 GAUGE UNLESS OTHERWISE SPECIFIED.
- 4. ALL GATES SHALL OPEN INWARD, EXCEPT IF OTHERWISE NOTED IN THE SPECIAL PROVISIONS.
- 5. ALL GATE HINGES SHALL BE HEAVY DUTY MALLEABLE IRON OR STEEL, INDUSTRIAL SEVICE TYPE 270 DEGREE SWING, NON-REMOVEABLE OF APPROVED QUALITY AND DESIGN, AND SHALL BE FASTENED FROM THE INSIDE.
- 6. SECURE GALVANIZED CAP TO POST WITH 1/4" GALVANIZED ROUND HEAD RIVET, OR TACK WELD.
- 7. ADJUSTABLE TIGHTENER SHALL BE TURNBUCKLE OR EQUIVALENT, HAVING A 6" MINIMUM TAKEUP.
- 8. LIGHT-WEIGHT METAL INSERTS SHALL BE SHEET METAL TUBES WITH I.D. 3/4" GREATER THAN O.D. OF PIPE USED. POSTS ARE TO BE GROUTED INTO
- 9. ALL BOLTED HARDWARE ITEMS SHALL ALSO BE TACK WELDED IN SUCH A WAY MANNER AS TO PREVENT REMOVAL BY UNAUTHORIZED INDIVIDUALS.
- 10. ALL FENCE FABRIC SHALL HAVE TWO 12" WIDE HORIZONTALLY PAINTED STRIPES LOCATED FROM 1' TO 2' AND FROM 4' TO 5' ABOVE THE BOTTOM OF THE FABRIC. THE PAINT SHALL BE A REFLECTIVE TYPE ORANGE OR APPROVED EQUAL. AFTER FENCE FABRIC HAS BEEN PAINTED, A SAMPLE OF SAID PAINT SHALL BE GIVEN TO THE SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT, OPERATIONS DIVISION, ALONG WITH MANUFACTURER'S NAME AND PAINT SPECIFICATIONS.
- 11. FOR WALL THICKNESSES 12" OR GREATER, USE POST SIZES AS SHOWN. FOR WALL THICKNESS LESS THAN 12", USE POST SIZES AS FOLLOWS: END, CORNER, INTERMEDIATE, HEADWALL, PARAPET & WALK GATE POSTS — 21/2" NOM. DIA. LINE POSTS — 2" NOM. DIA. DOUBLE DRIVE GATE POSTS - 3" NOM. DIA.

SAN BERNARDINO COUNTY	DATE
FLOOD CONTROL DISTRICT	Sept. 2023
CHANNEL WALL FENCING	SCALE
SPECIAL DRAWING II	AS SHOWN FILE NO.
	4-201-

6' CHAIN LINK FENCE (TYPE CL-6 = 72" FABRIC)

SHEET NO. 14 of 14