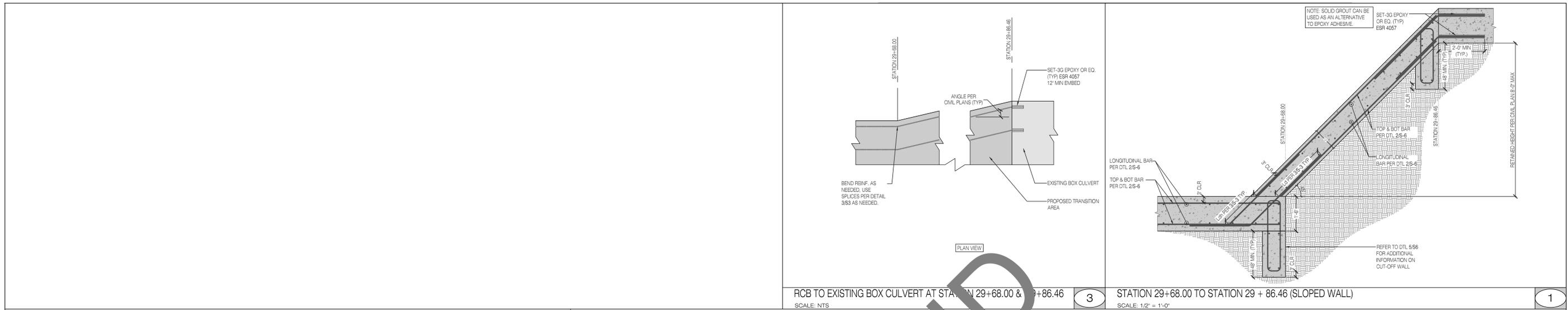
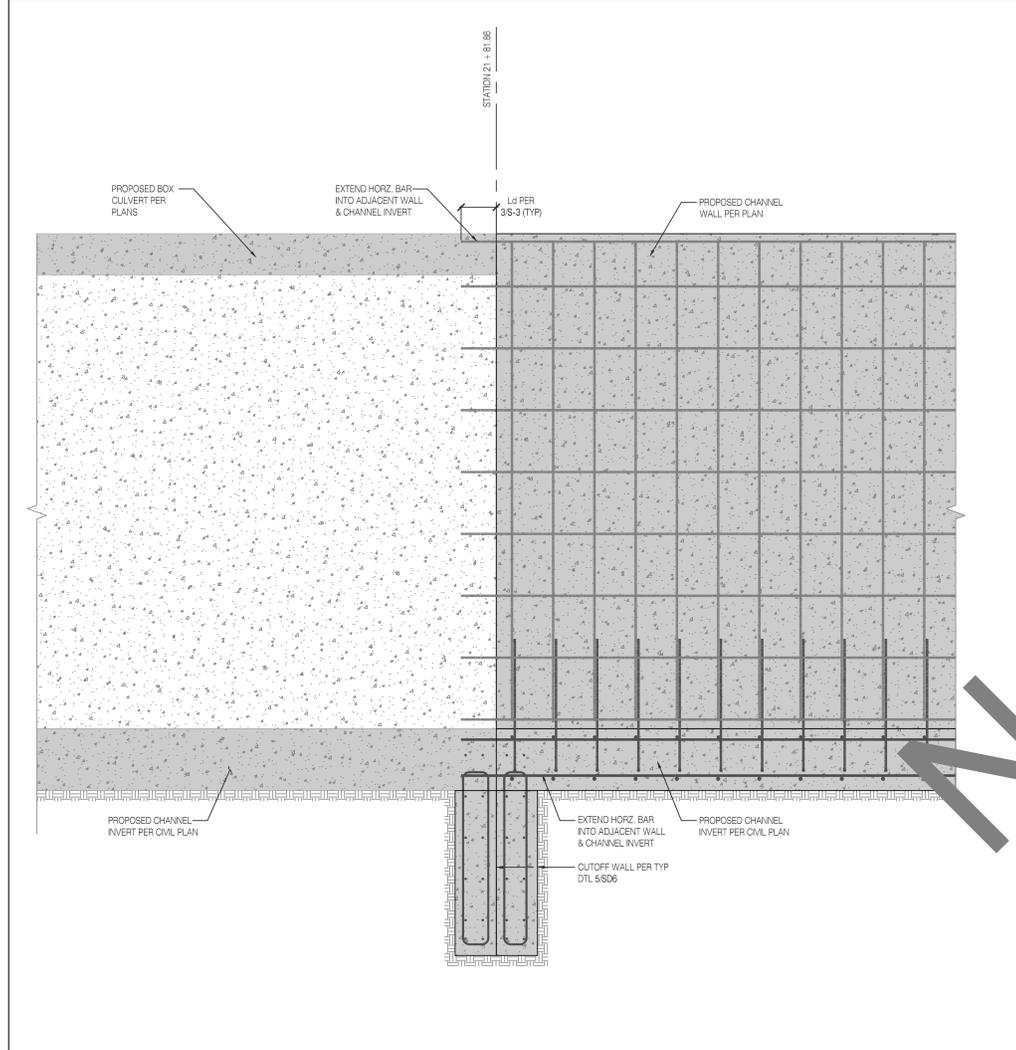


WARNING: ALL INDIVIDUALS INTERESTED IN BIDDING ON THIS PROJECT MUST OBTAIN THE FINAL PLANS AND SPECIFICATIONS FROM THE DEPARTMENT MANAGING THE PROJECT OR AS OTHERWISE STATED IN THE ADVERTISEMENT FOR BIDS FOR THE PROJECT. DO NOT USE THE PLANS AND SPECIFICATIONS POSTED ON THE CLERK OF THE BOARD'S WEBSITE FOR BIDDING ON THIS PROJECT.

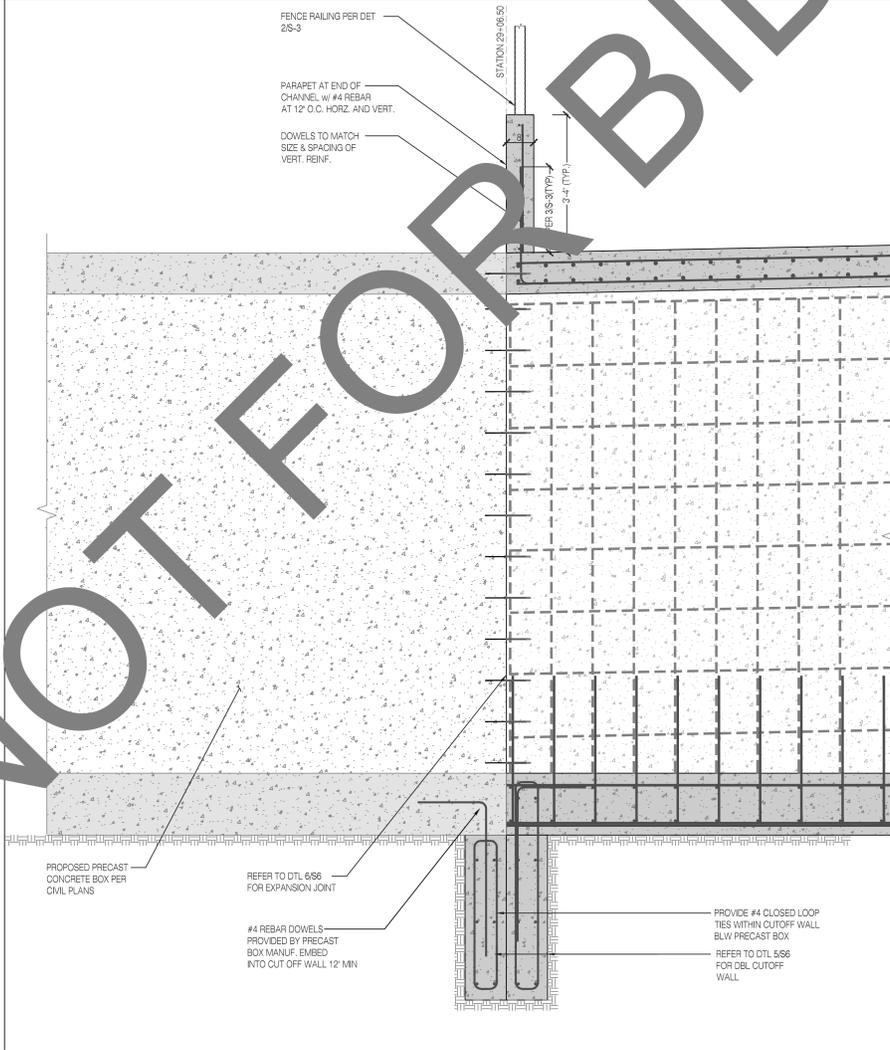


RCB TO EXISTING BOX CULVERT AT STATION 29+68.00 & 29+86.46
SCALE: NTS

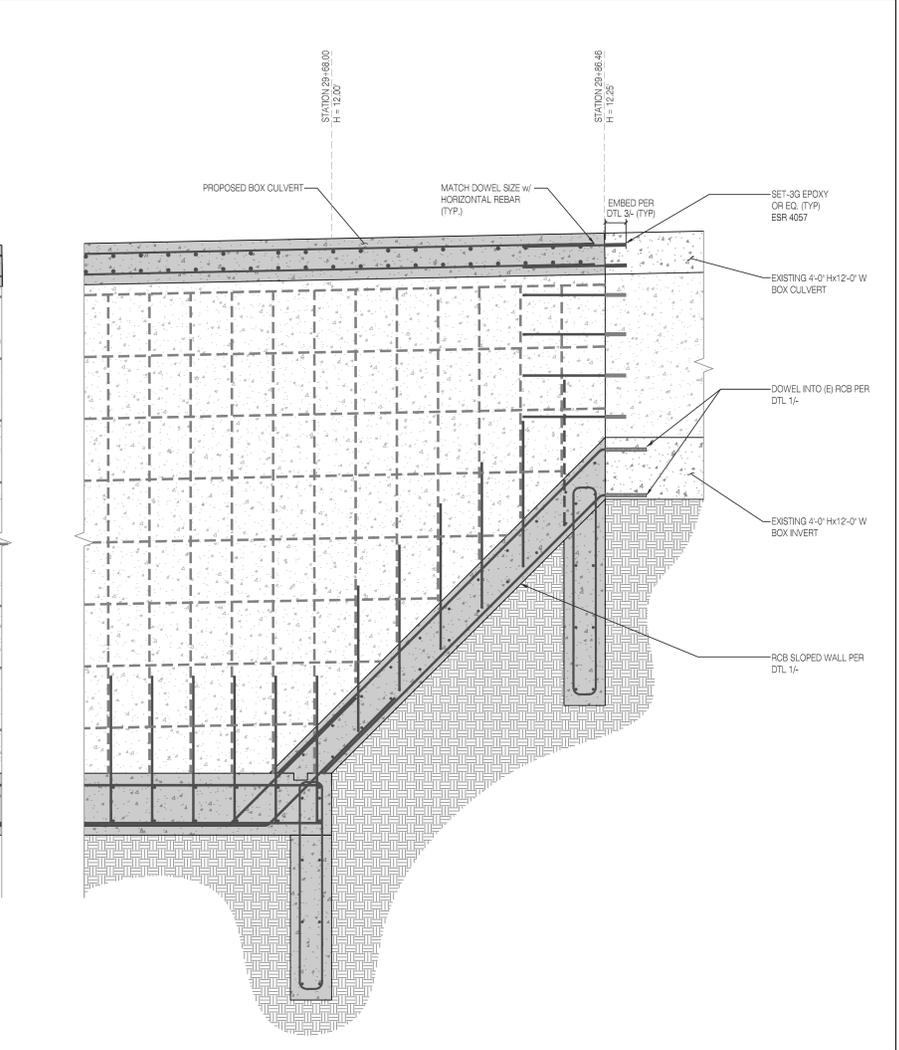
STATION 29+68.00 TO STATION 29+86.46 (SLOPED WALL)
SCALE: 1/2" = 1'-0"



RCB TO REINFORCED CONCRETE CHANNEL CONNECTION STATION 14+63.29, 16+46.31, 21+11.86, AND 21+81.86
SCALE: 1/2" = 1'-0"

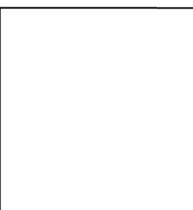


CULVERT TRANSITION INTO EXISTING CONCRETE BOX CULVERT
SCALE: NTS



RCB SLOPED WALL PER DTL 1-1

SUBMITTED BY: *Sandy Fong* 2024.02.29
SANDY FONG, P.E. DATE
 REVIEWED BY: *Shawn Lothrop*
SHAWN LOTHROP, S.E. DATE
 INNOVATIVE STRUCTURAL ENGINEERING, INC
 27369 VIA INDUSTRIA TEMECULA CA 92590
 TELE: 951.600.0032
 DESIGNED BY: S.F. REV'D BY: S.L. DRAWN BY: S.F.

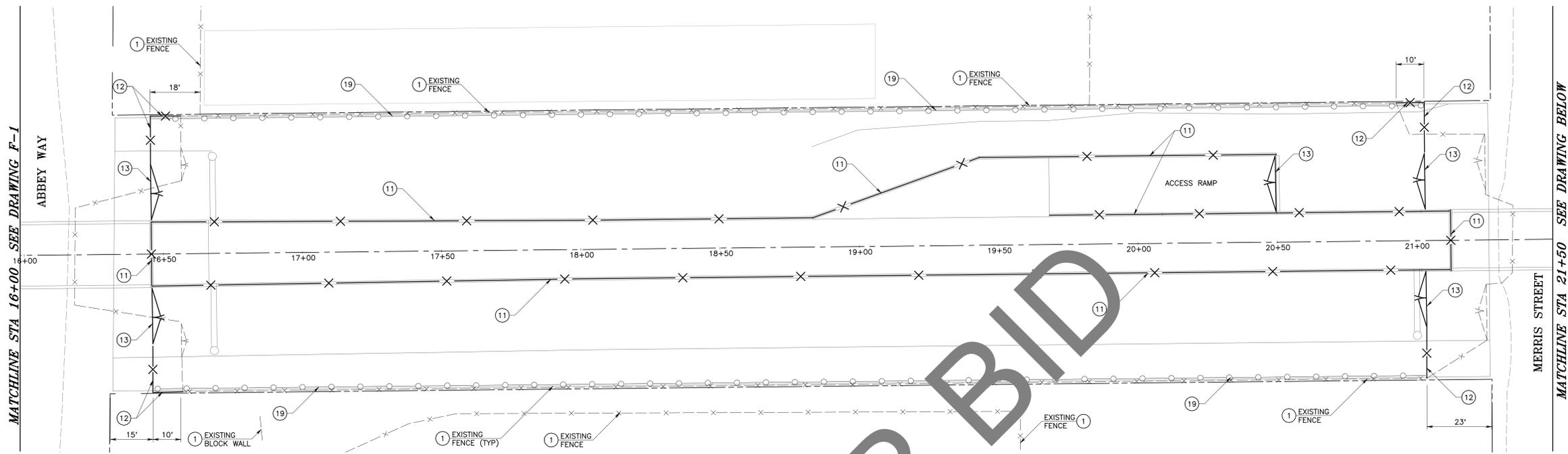


REVISIONS			
MARK	DATE	DESCRIPTION	BY:

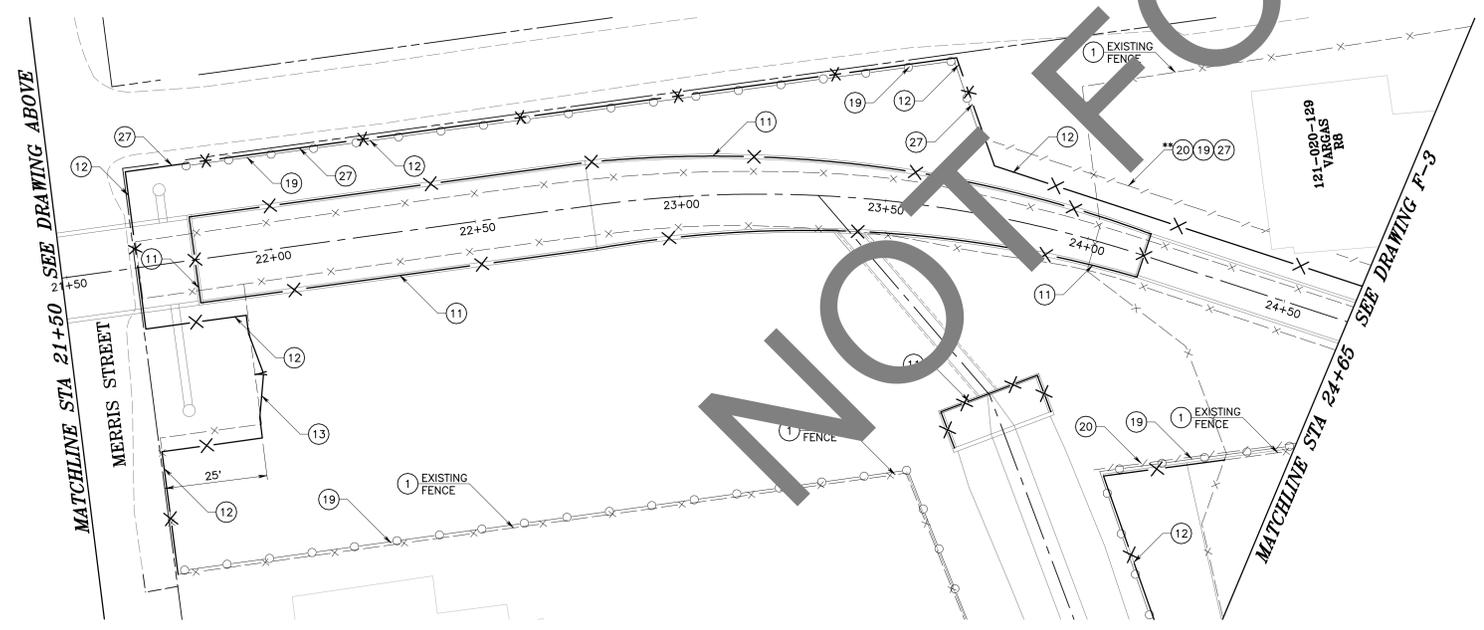
SUBMITTED BY: *Eloy Ruvalcaba* 3/13/2024
ELOY RUVALCABA, P.E. DATE
 RECOMMENDED BY: *David L. Drake*
DAVID L. DRAKE, P.E. DATE
 APPROVED BY: *Mohamad M. Khalil*
MOHAMAD M. KHALIL, P.E. DATE
 DEPUTY DIRECTOR
 PROJ. ENGR. E.R. DESIGNED BY: --/-- REV'D BY: D.D. DRAWN BY: --

SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT
PLUNGE CREEK SYSTEM
ELDER CREEK
STRUCTURAL PLANS AND DETAILS

DATE: DEC 2023
 SCALE:
 FILE NO.: 3-205-1C
 DRAWING NO.: S-7
 SHEET NO.: 21 of 29



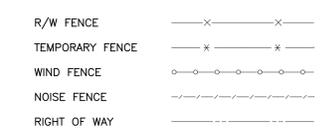
FENCE PLAN
STA 16+00 TO STA 21+50
SCALE 1" = 20'



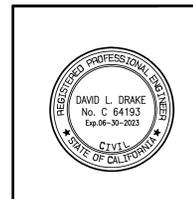
FENCE PLAN
STA 21+50 TO STA 24+65
SCALE 1" = 20'

CONSTRUCTION NOTES:

- 1 PROTECT IN PLACE
- 11 INSTALL 6.0' CHAIN LINK CHANNEL FENCE PER SBCFCD SPECIAL DRAWING II ON DWG FCD-2
- 12 INSTALL 6.0' CHAIN LINK FENCE PER SBCFCD SPECIAL DRAWING I ON DWG FCD-1
- 13 INSTALL 20.0' WIDE DOUBLE DRIVE GATE PER SBCFCD SPECIAL DRAWING I ON DWG FCD-1
- 19 INSTALL TEMPORARY SITE BLOCK WIND SCREEN
- **20 INSTALL TEMPORARY NOISE BARRIER
- 27 INSTALL TEMPORARY FENCE



NOTES:
**WHEN TEMPORARY NOISE BARRIER IS REMOVED, TEMPORARY FENCE AND WIND SCREEN SHALL BE INSTALLED IN ITS PLACE

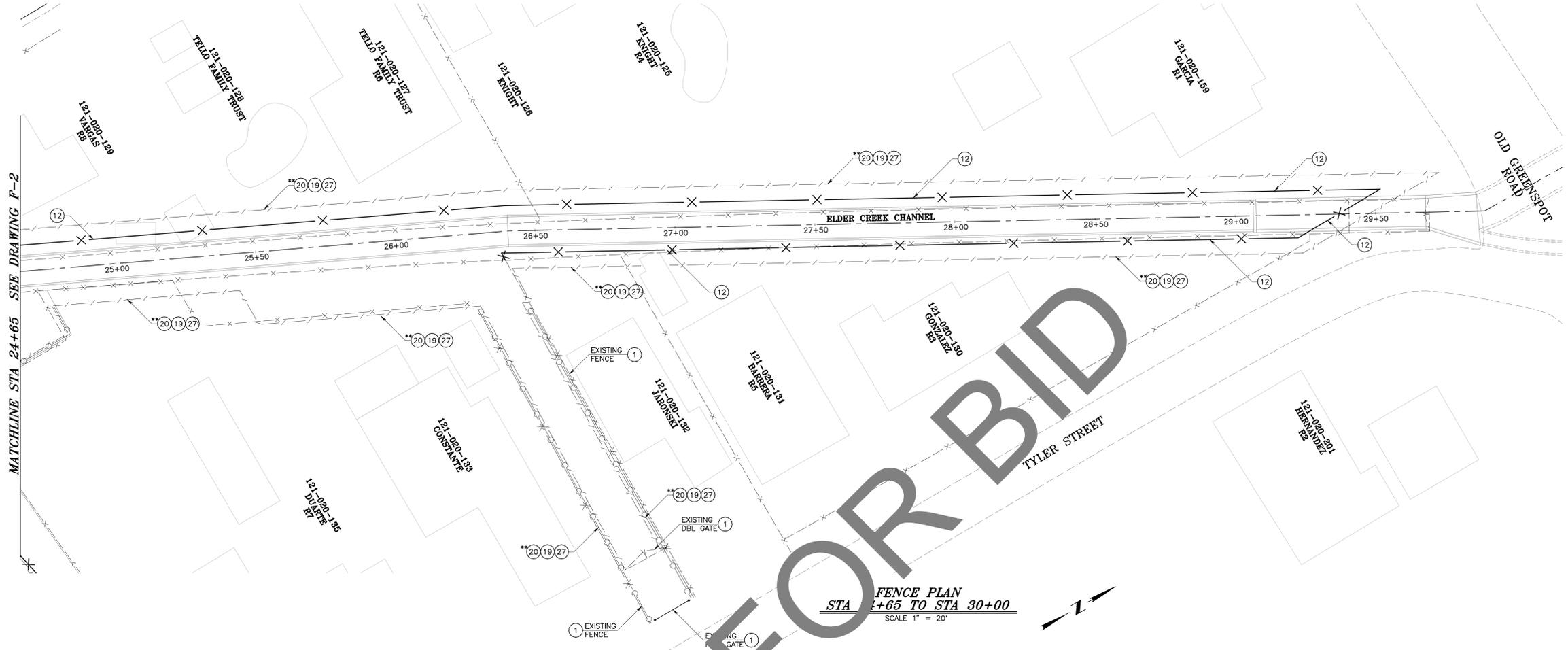


REVISIONS			
MARK	DATE	DESCRIPTION	BY:

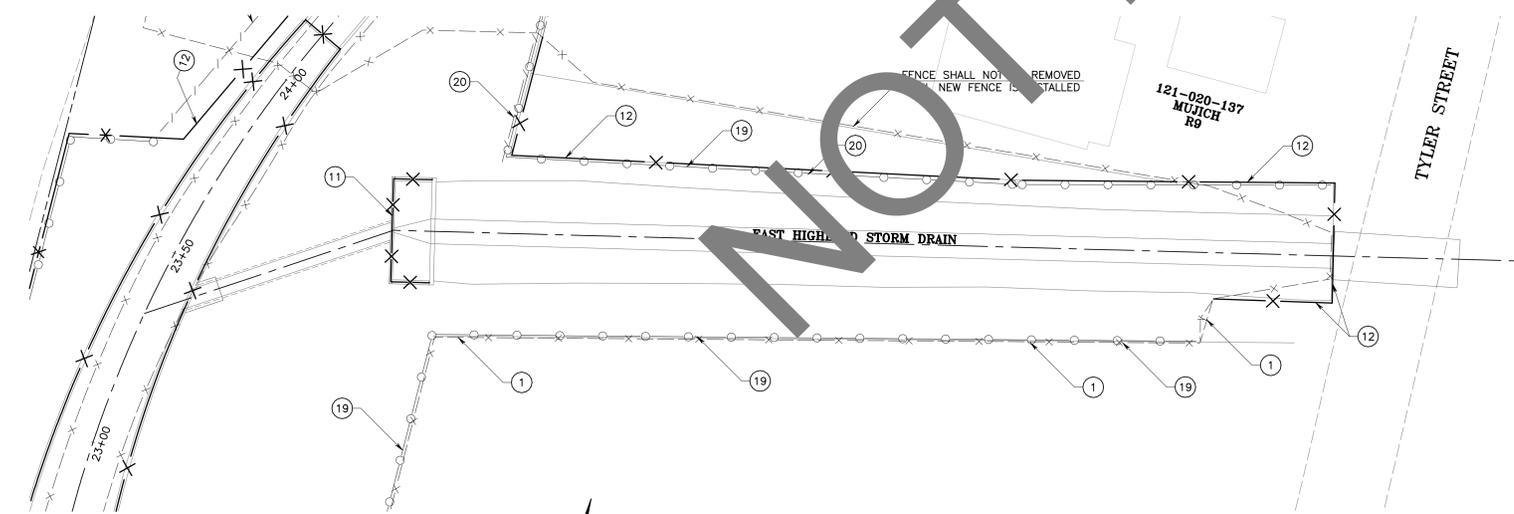
SUBMITTED BY:		<i>Eloy Ruvalcaba</i>	3/13/2024
BY:		ELOY RUVALCABA, P.E.	DATE
RECOMMENDED BY:		<i>David L. Drake</i>	3/13/24
DAVID L. DRAKE, P.E.		DATE	
APPROVED BY:		<i>Mervat Michael</i>	3/21/24
MERVAT MICHAEL, P.E.		DEPUTY DIRECTOR	DATE
PROJ. ENGR.	DESIGNED BY	REV'D BY	DRAWN BY
D.D.	E.R./D.B.	D.D.	D.B.

SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT		DATE MAR 2024
PLUNGE CREEK SYSTEM ELDER CREEK CHANNEL		SCALE 1" = 20'
FENCE PLAN STA 16+00 TO STA 24+65		FILE NO. 3-205-1C
		DRAWING NO. F-2
		SHEET NO. 23 OF 29

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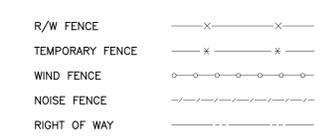
FENCE PLAN
STA 24+65 TO STA 30+00
 SCALE 1" = 20'



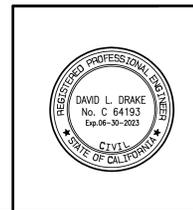
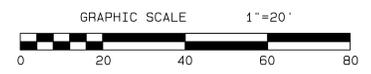
FENCE PLAN
EAST HIGHLAND STORM DRAIN
 SCALE 1" = 20'

CONSTRUCTION NOTES:

- 1 PROTECT IN PLACE
- 11 INSTALL 6.0' CHAIN LINK CHANNEL FENCE PER SBCFCD SPECIAL DRAWING II ON DWG FCD-2
- 12 INSTALL 6.0' CHAIN LINK FENCE PER SBCFCD SPECIAL DRAWING I ON DWG FCD-1
- 13 INSTALL 20.0' WIDE DOUBLE DRIVE GATE PER SBCFCD SPECIAL DRAWING I ON DWG FCD-1
- 19 INSTALL TEMPORARY SITE BLOCK WIND SCREEN
- **20 INSTALL TEMPORARY NOISE BARRIER
- 27 INSTALL TEMPORARY FENCE



NOTES:
 **WHEN TEMPORARY NOISE BARRIER IS REMOVED, TEMPORARY FENCE AND WIND SCREEN SHALL BE INSTALLED IN ITS PLACE

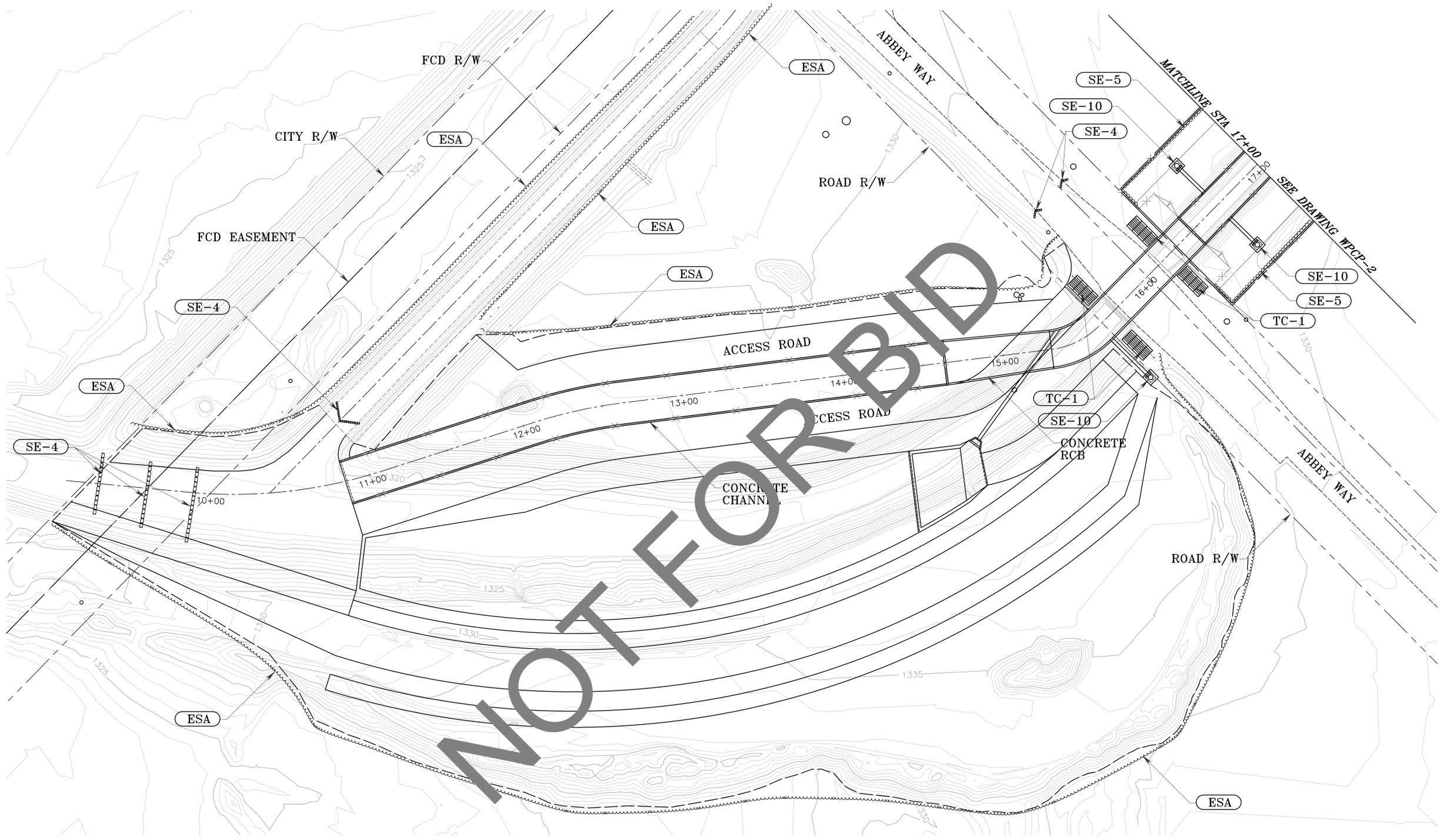


REVISIONS		
MARK	DATE	DESCRIPTION

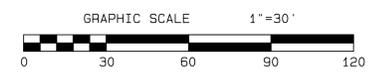
SUBMITTED BY: ELOY RUVALCABA, P.E.		3/13/2024
RECOMMENDED BY: DAVID L. DRAKE, P.E.		
APPROVED BY: MERVAT MICHAEL, P.E. DEPUTY DIRECTOR		3/21/24
PROJ. ENGR. D.D.	DESIGNED BY E.R./D.B.	REV'D BY D.D.
		DRAWN BY D.B.

SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT		DATE MAR 2024
PLUNGE CREEK SYSTEM		SCALE 1" = 20'
ELDER CREEK CHANNEL		FILE NO. 3-205-1C
FENCE PLAN		DRAWING NO. F-3
STA 24+65 TO STA 29+75 AND EAST HIGHLAND STORM DRAIN		SHEET NO. 24 OF 29

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TEMPORARY WATER POLLUTION CONTROL PLAN
SCALE 1" = 30'



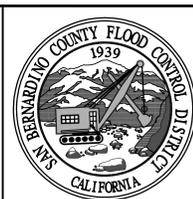
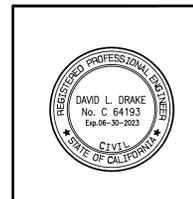
TEMPLATE

NOTES:

- STD BMP'S FOR PAVING, CONCRETE WORK, DEMOLITION, STOCK PILE MANAGEMENT, SEPTIC WASTE, SPILL PREVENTION, EQUIPMENT FUELING/MAINTENANCE, ETC. SHALL BE EMPLOYED.
- STREET SWEEPING SHALL BE EMPLOYED DAILY.
- THE USE OF TEMPORARY WATER POLLUTION CONTROL PLAN MATERIALS POTENTIALLY HARMFUL TO FISH AND WILDLIFE SPECIES, SUCH AS MONO-FILAMENT NETTING (EROSION CONTROL MATTING) OR SIMILAR MATERIAL SHALL BE PROHIBITED WITHIN AND ADJACENT TO CDFW JURISDICTIONAL AREAS. ALL FIBER ROLLS, STRAW WATTLES, AND/OR HAY BALES UTILIZED WITHIN AND ADJACENT TO THE PROJECT SITE SHALL BE MADE OF LOOSE-WEAVE MESH THAT IS NOT FUSED AT THE INTERSECTIONS OF THE WEAVE, SUCH AS JUTE, OR COCONUT (COIR) FIBER, OR OTHER PRODUCTS WITHOUT WELDED WEAVES. NON-WELDED WEAVES REDUCE ENTANGLEMENT RISKS TO WILDLIFE BY ALLOWING ANIMALS TO PUSH THROUGH THE WEAVE, WHICH EXPANDS WHEN SPREAD.

LEGEND:

- SE-1 SILT FENCE
- SE-3 SEDIMENT TRAP
- SE-4 CHECK DAM
- SE-5 FIBER ROLLS (SEE NOTE #3 ON THIS DRAWING)
- SE-10 STORM DRAIN INLET PROTECTION
- TC-1 STABILIZED CONSTRUCTION ENTRANCE (LOCATION MAY VARY)
- ESA ENVIRONMENTALLY SENSITIVE FENCE



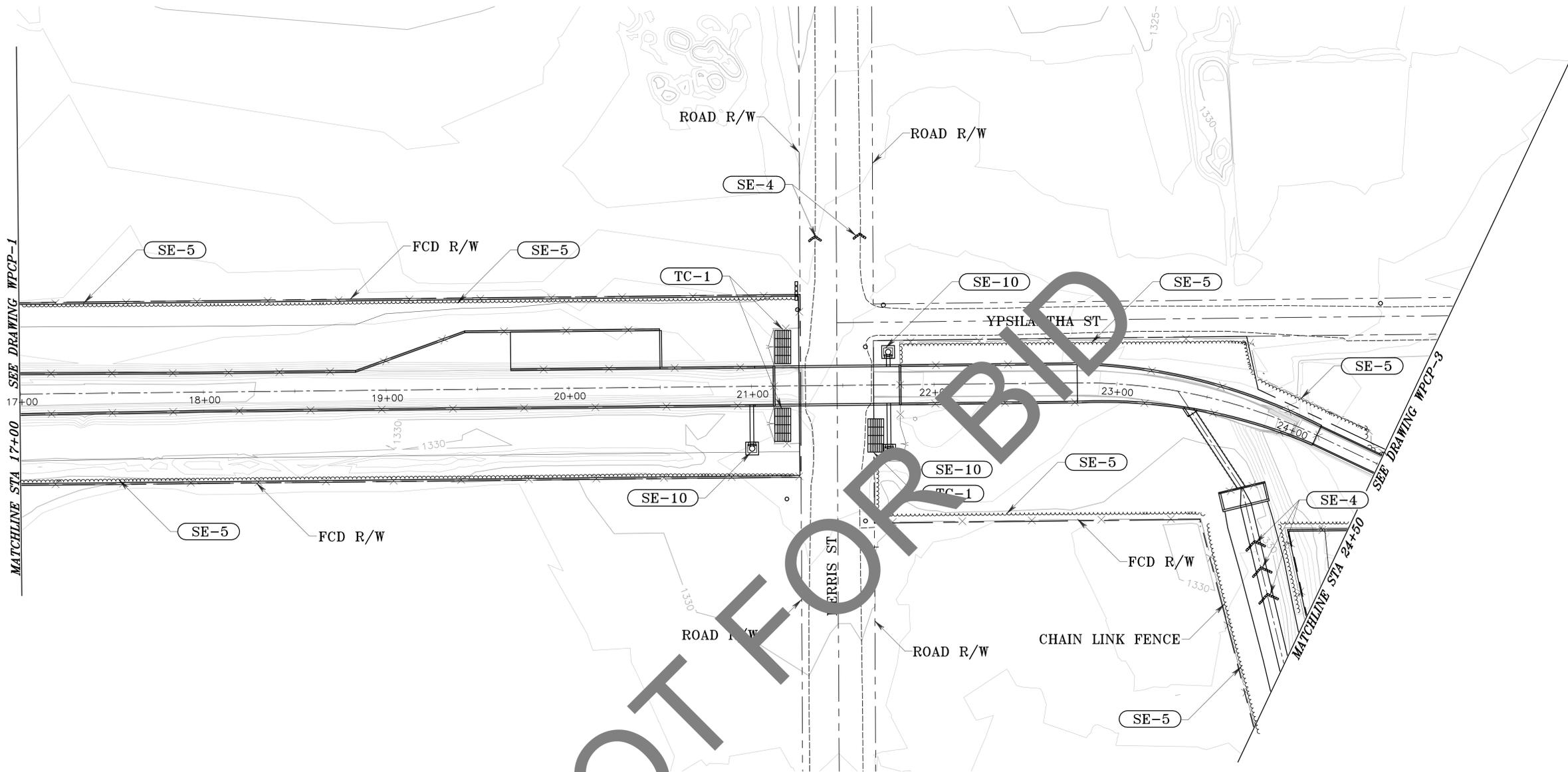
REVISIONS			
MARK	DATE	DESCRIPTION	BY:

SUBMITTED BY: <i>Eloy Ruvalcaba</i>				3/13/2024
ELOY RUVALCABA, P.E.				DATE
RECOMMENDED BY: <i>David L. Drake</i>				3/13/24
DAVID L. DRAKE, P.E.				DATE
APPROVED BY: <i>Mervat Miskell</i>				3/21/24
MERVAT MISKELL, P.E.				DATE
PROJ. ENGR. D.D.	DESIGNED BY E.R./D.B.	REV'D BY D.D.	DRAWN BY D.B.	

SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT
PLUNGE CREEK SYSTEM
ELDER CREEK CHANNEL
TEMPORARY WATER POLLUTION CONTROL PLAN
STA 9+25 TO STA 17+00

DATE	MAR 2024
SCALE	1" = 30'
FILE NO.	3-205-1C
DRAWING NO.	WPCP-1
SHEET NO.	25 OF 29

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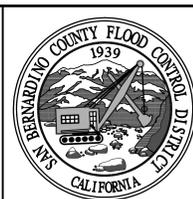
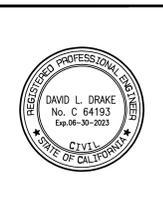
TEMPORARY WATER POLLUTION CONTROL PLAN
SCALE 1" = 30'

LEGEND:

- SE-1 SILT FENCE
- SE-4 CHECK DAM
- SE-5 FIBER ROLLS (SEE NOTE #3 ON THIS DRAWING)
- SE-10 STORM DRAIN INLET PROTECTION
- TC-1 STABILIZED CONSTRUCTION ENTRANCE (LOCATION MAY VARY)

NOTES:

1. STD BMP'S FOR PAVING, CONCRETE WORK, DEMOLITION, STOCK PILE MANAGEMENT, SEPTIC WASTE, SPILL PREVENTION, EQUIPMENT FUELING/MAINTENANCE, ETC. SHALL BE EMPLOYED.
2. STREET SWEEPING SHALL BE EMPLOYED DAILY.
3. THE USE OF TEMPORARY WATER POLLUTION CONTROL PLAN MATERIALS POTENTIALLY HARMFUL TO FISH AND WILDLIFE SPECIES, SUCH AS MONO-FILAMENT NETTING (EROSION CONTROL MATTING) OR SIMILAR MATERIAL SHALL BE PROHIBITED WITHIN AND ADJACENT TO CDFW JURISDICTIONAL AREAS. ALL FIBER ROLLS, STRAW WATTLES, AND/OR HAY BALES UTILIZED WITHIN AND ADJACENT TO THE PROJECT SITE SHALL BE MADE OF LOOSE-WEAVE MESH THAT IS NOT FUSED AT THE INTERSECTIONS OF THE WEAVE, SUCH AS JUTE, OR COCONUT (COIR) FIBER, OR OTHER PRODUCTS WITHOUT WELDED WEAVES. NON-WELDED WEAVES REDUCE ENTANGLEMENT RISKS TO WILDLIFE BY ALLOWING ANIMALS TO PUSH THROUGH THE WEAVE, WHICH EXPANDS WHEN SPREAD.



REVISIONS		
MARK	DATE	DESCRIPTION

SUBMITTED BY: <i>Eloy Ruvalcaba</i>		DATE: 3/13/2024
ELOY RUVALCABA, P.E.		DATE
RECOMMENDED BY: <i>David L. Drake</i>		DATE: 3/13/24
DAVID L. DRAKE, P.E.		DATE
APPROVED BY: <i>Mervat Michael</i>		DATE: 3/21/24
MERVAT MICHAEL, P.E. DEPUTY DIRECTOR		DATE
PROJ. ENGR. D.D.	DESIGNED BY E.R./D.B.	REV'D BY D.D.
		DRAWN BY D.B.

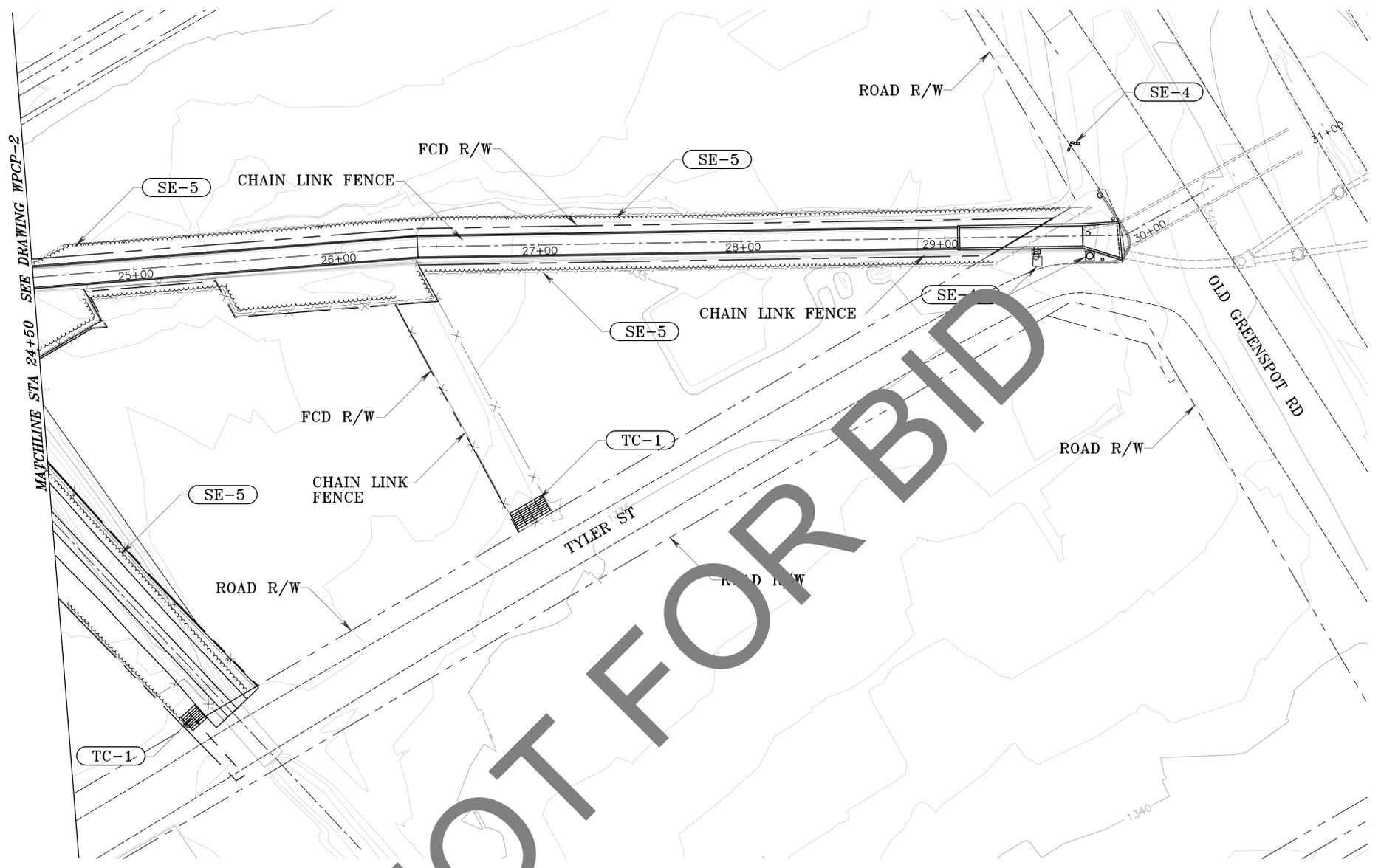
**SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT**

PLUNGE CREEK SYSTEM
ELDER CREEK CHANNEL

**TEMPORARY WATER
POLLUTION CONTROL PLAN
STA 17+00 TO STA 24+50**

DATE	MAR 2024
SCALE	1" = 30'
FILE NO.	3-205-1C
DRAWING NO.	WPCP-2
SHEET NO.	26 OF 29

TEMPLATE



TEMPORARY WATER POLLUTION CONTROL PLAN
SCALE 1" = 30'

LEGEND:

- SE-4 CHECK DAM
- SE-5 FIBER ROLLS (SEE NOTE #3 ON THIS DRAWING)
- SE-10 STORM DRAIN INLET PROTECTION
- TC-1 STABILIZED CONSTRUCTION ENTRANCE (LOCATION MAY VARY)

NOTES:

1. STD BMP'S FOR PAVING, CONCRETE WORK, DEMOLITION, STOCK PILE MANAGEMENT, SEPTIC WASTE, SPILL PREVENTION, EQUIPMENT FUELING/MAINTENANCE, ETC. SHALL BE EMPLOYED.
2. STREET SWEEPING SHALL BE EMPLOYED DAILY.
3. THE USE OF TEMPORARY WATER POLLUTION CONTROL PLAN MATERIALS POTENTIALLY HARMFUL TO FISH AND WILDLIFE SPECIES, SUCH AS MONO-FILAMENT NETTING (EROSION CONTROL MATTING) OR SIMILAR MATERIAL SHALL BE PROHIBITED WITHIN AND ADJACENT TO CDFW JURISDICTIONAL AREAS. ALL FIBER ROLLS, STRAW WATTLES, AND/OR HAY BALES UTILIZED WITHIN AND ADJACENT TO THE PROJECT SITE SHALL BE MADE OF LOOSE-WEAVE MESH THAT IS NOT FUSED AT THE INTERSECTIONS OF THE WEAVE, SUCH AS JUTE, OR COCONUT (GORI) FIBER, OR OTHER PRODUCTS WITHOUT WELDED WEAVES. NON-WELDED WEAVES REDUCE ENTANGLEMENT RISKS TO WILDLIFE BY ALLOWING ANIMALS TO PUSH THROUGH THE WEAVE, WHICH EXPANDS WHEN SPREAD.



REVISIONS		
MARK	DATE	DESCRIPTION

SUBMITTED BY: <i>Eloy Ruvalcaba</i>		3/13/2024
ELOY RUVALCABA, P.E.		DATE
RECOMMENDED BY: <i>David L. Drake</i>		3/13/24
DAVID L. DRAKE, P.E.		DATE
APPROVED BY: <i>Mervat Michael</i>		3/21/24
MERVAT MICHAEL, P.E.		DATE
PROJ. ENGR. D.D.	DESIGNED BY E.R./D.B.	REV'D BY D.D.
		DRAWN BY D.B.

**SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT**

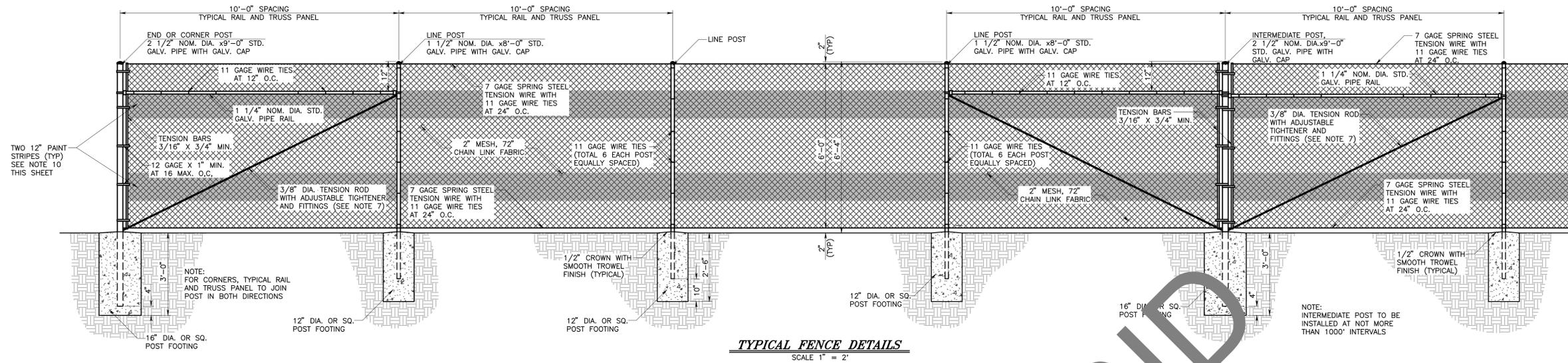
PLUNGE CREEK SYSTEM
ELDER CREEK CHANNEL

**TEMPORARY WATER
POLLUTION CONTROL PLAN
STA 24+50 TO STA 29+50**

DATE	MAR 2024
SCALE	1" = 30'
FILE NO.	3-205-1C
DRAWING NO.	WPCP-3
SHEET NO.	27 OF 29

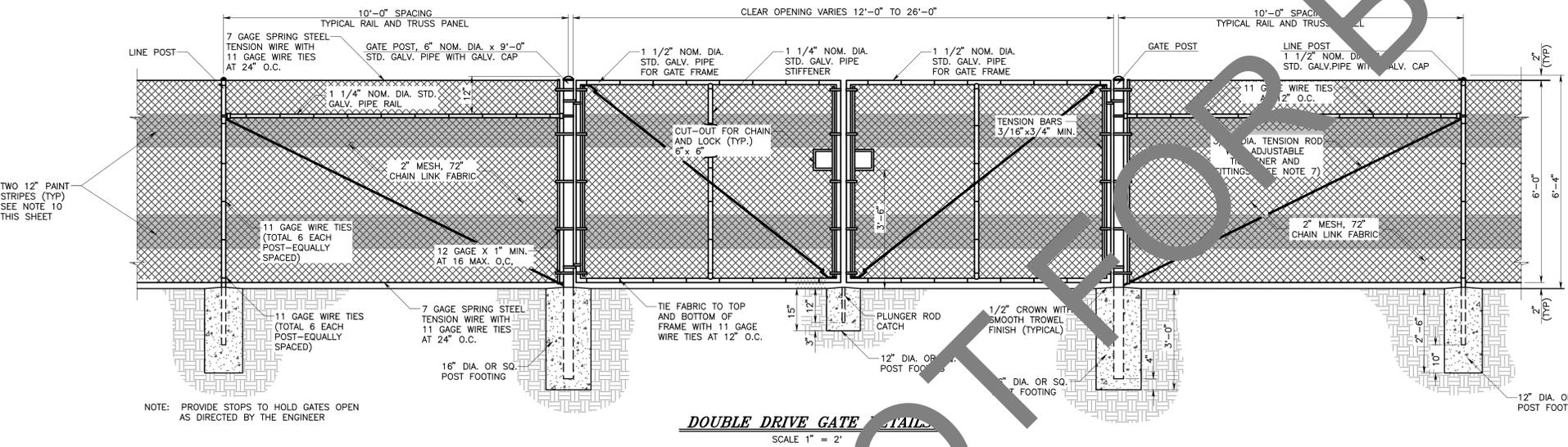
TEMPLATE

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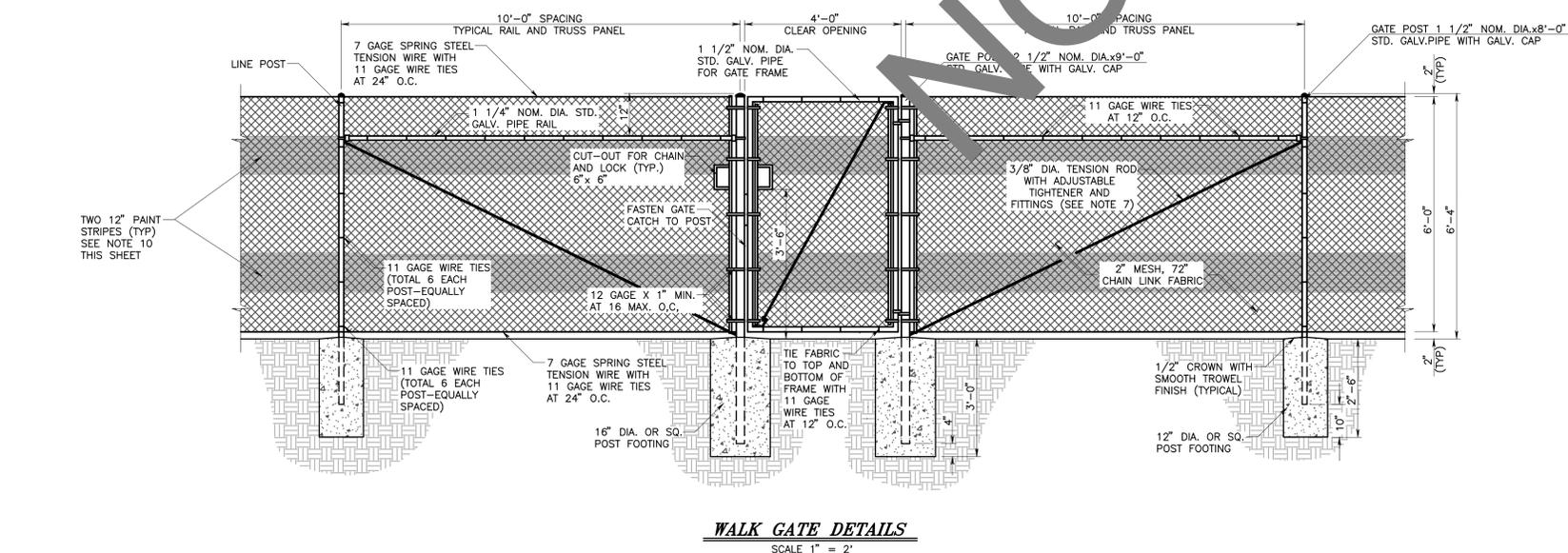
PIPE MATERIAL LIST

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

- 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.
- THE FENCE FABRIC SHALL BE PLACED ON THE OUTWARD FACING SIDE OF THE POSTS, STRETCHED TAUT, AND SECURELY FASTENED, UNLESS OTHERWISE SHOWN ON THE PLANS.
- CLEARANCE BETWEEN RIGHT-OF-WAY AND FENCE FABRIC SHALL BE 6" UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL GATES SHALL OPEN INWARD, EXCEPT IF OTHERWISE NOTED IN SPECIAL PROVISIONS.
- ALL GATE HINGES SHALL BE HEAVY DUTY MALLEABLE IRON OR STEEL, INDUSTRIAL SERVICE TYPE 270 DEGREE SWING, NON-REMOVABLE OF APPROVED QUALITY AND DESIGN, AND SHALL BE FASTENED FROM THE INSIDE.
- SECURE GALVANIZED CAP TO POST WITH 1/4" GALVANIZED ROUND HEAD RIVET, OR TACK WELD.
- ADJUSTABLE TIGHTENER SHALL BE TURNBUCKLE OR EQUIVALENT, HAVING A 6" MINIMUM TAKEUP.
- DIAMETER SIZE OF LINE, INTERMEDIATE, CORNER, END AND GATE POSTS TO BE AS SHOWN ON THIS SPECIAL DRAWING.
- ALL BOLTED HARDWARE ITEMS SHALL ALSO BE TACK WELDED IN SUCH A MANNER AS TO PREVENT REMOVAL BY UNAUTHORIZED INDIVIDUALS.
- 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.
- THE FENCE FABRIC SHALL BE 11 GAUGE UNLESS OTHERWISE SPECIFIED.



**SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT**

**PLUNGE CREEK SYSTEM
ELDER CREEK CHANNEL**

**SPECIAL DRAWING I
6" CHAIN LINK FENCE
(TYPE CL-6 = 72" FABRIC)**

DATE
MAR 2024
SCALE
AS SHOWN
FILE NO.
3-205-1C
DRAWING NO.
FCD-1
SHEET NO.
28 OF 29

