INDEX OF SHEETS SHEET TITLE TITLE SHEET GN-1 GENERAL NOTES X-1 TYPICAL CROSS SECTIONS ROADWAY PLAN & PROFILE CONSTRUCTION DETAILS C-1 EROSION CONTROL PLAN DRAINAGE PLAN & PROFILES D-1 DRAINAGE DETAILS DRAINAGE DETAILS & QUANTITIES D - 3SC-1 STAGE CONSTRUCTION & TRAFFIC HANDLING PLAN ROAD CLOSURE DETOUR PLAN SIGNING & PAVEMENT DELINEATION PLAN SPD-1 RIGHT-OF-WAY, EASEMENTS, & TREE REMOVAL PLAN R-1 R-2 LOG OF TEST BORING 17-30 ST-1 - ST-14 STRUCTURAL PLANS

COUNTY OF EL DORADO, CA COMMUNITY DEVELOPMENT SERVICES DEPARTMENT OF TRANSPORTATION

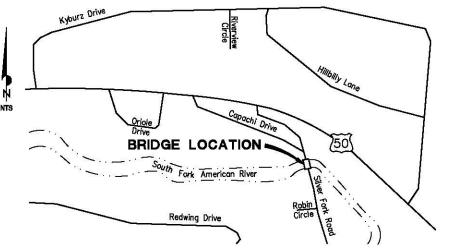
PROJECT PLANS FOR THE CONSTRUCTION OF SILVER FORK ROAD AT SOUTH FORK AMERICAN RIVER - BRIDGE REHABILITATION

> IN THE COUNTY OF EL DORADO, DISTRICT 3 KYBURZ, CA

To be supplemented with Standard Plans and Specifications dated 2010, including 2010 Revised Standard Specifications, of the California Department of Transportation, unless otherwise noted.



CALIFORNIA STATE MAP



PROJECT SITE MAP

NOT TO SCALE



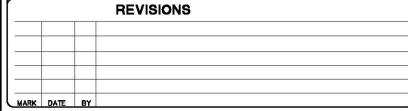
LOCATION MAP NOT TO SCALE

FEDERAL AID PROJECT BRLO-5925(095)

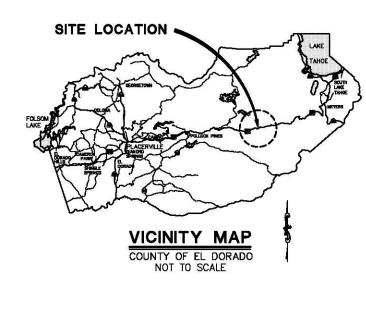


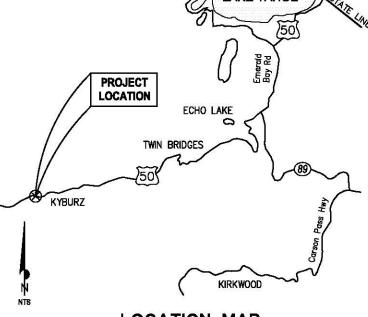
11-22-17

CONTRACTOR'S LICENSE CLASSIFICATION: Bidders shall be properly licensed to perform the Work pursuant to the State Contractor's License Act (Business and Professions Code section 7000 et seq.) and shall possess a CLASS A LICENSE or equivalent combination of Classes required by the categories and type of Work included in the Contract Documents and Plans. Failure of the successful Bidder to obtain proper and adequate licensing at the time bids are submitted shall constitute a failure to execute the Contract, and forfeiture as provided under that section.





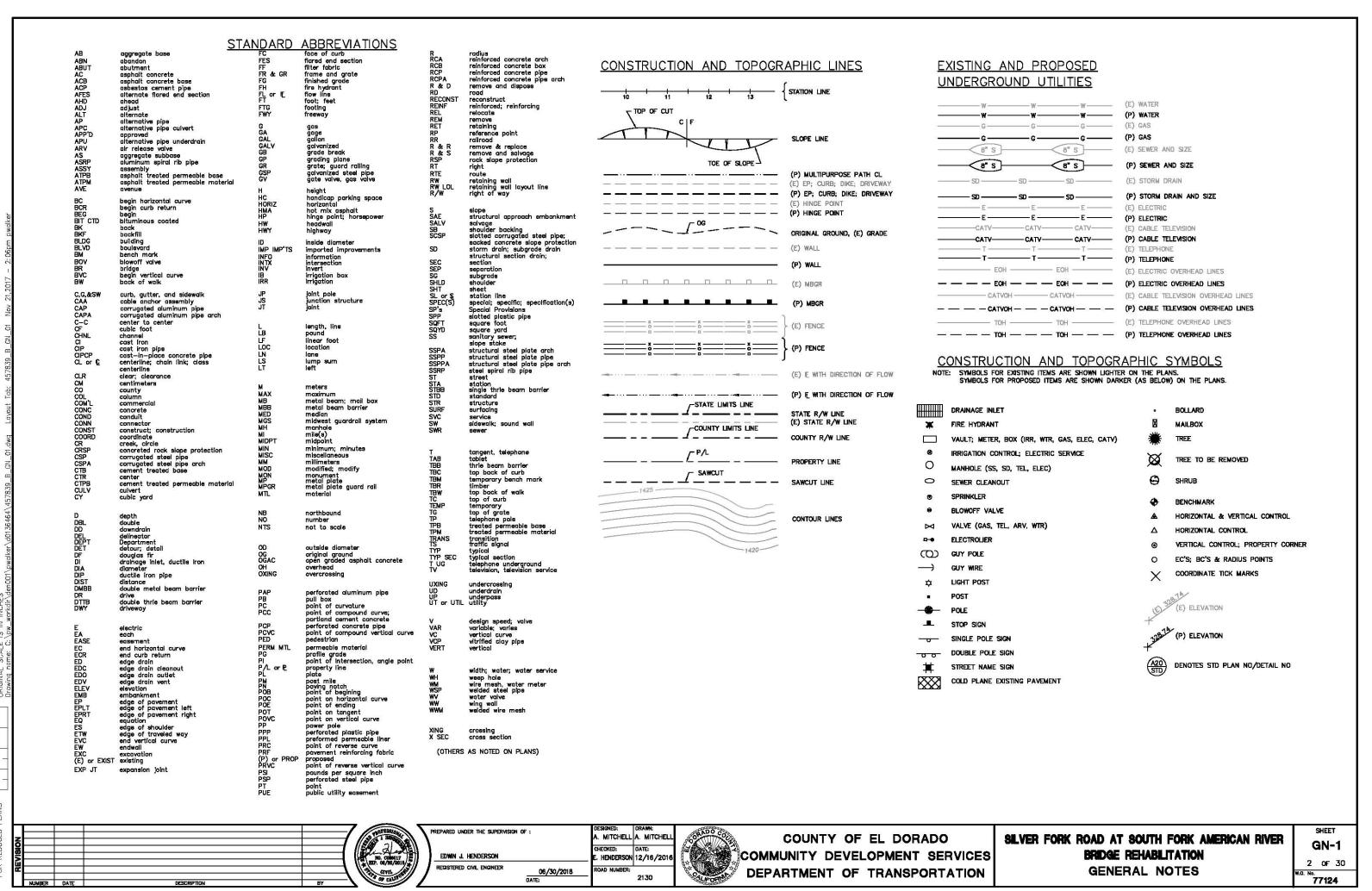


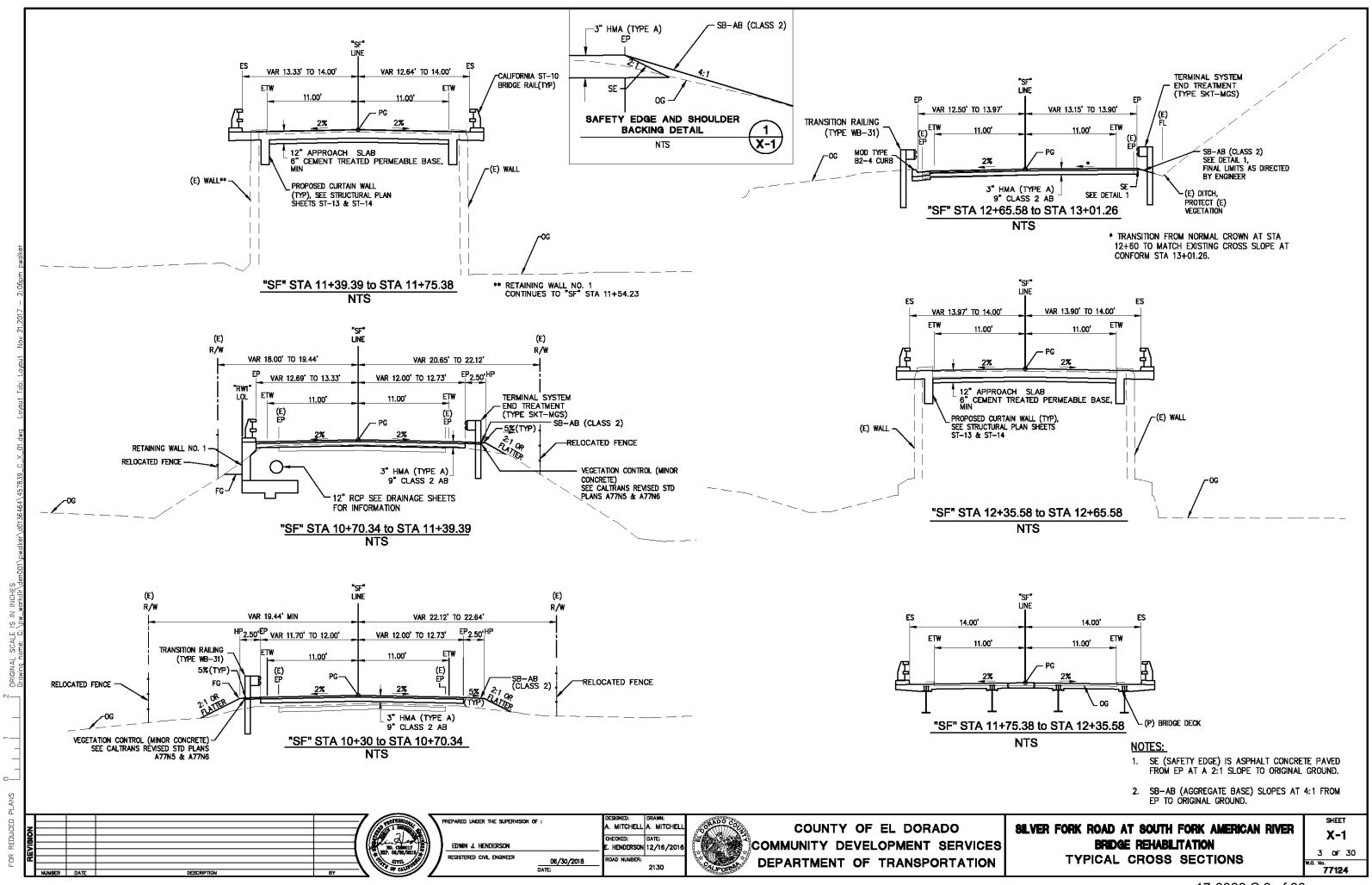


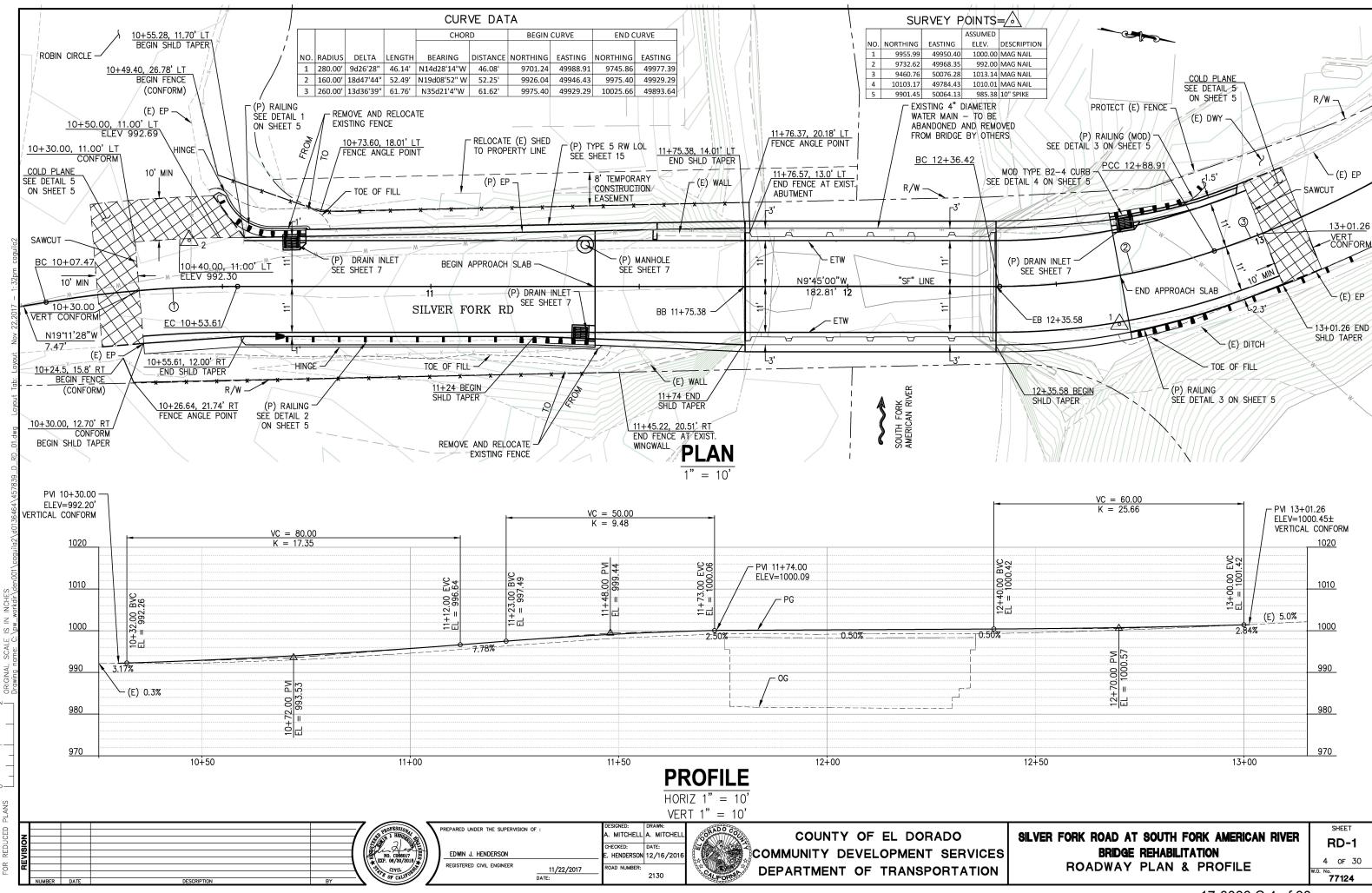
17-0066 C 1 of 30

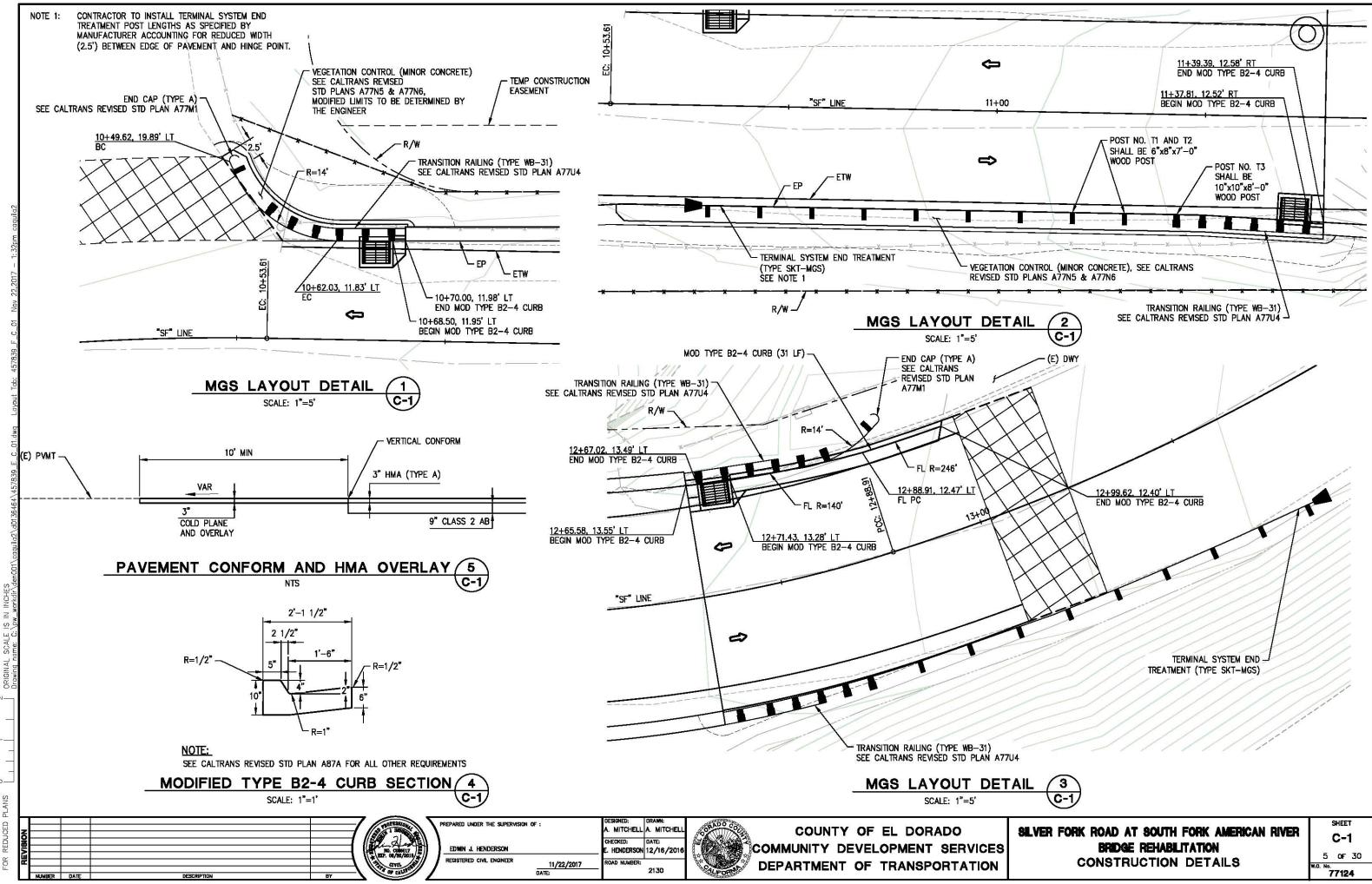
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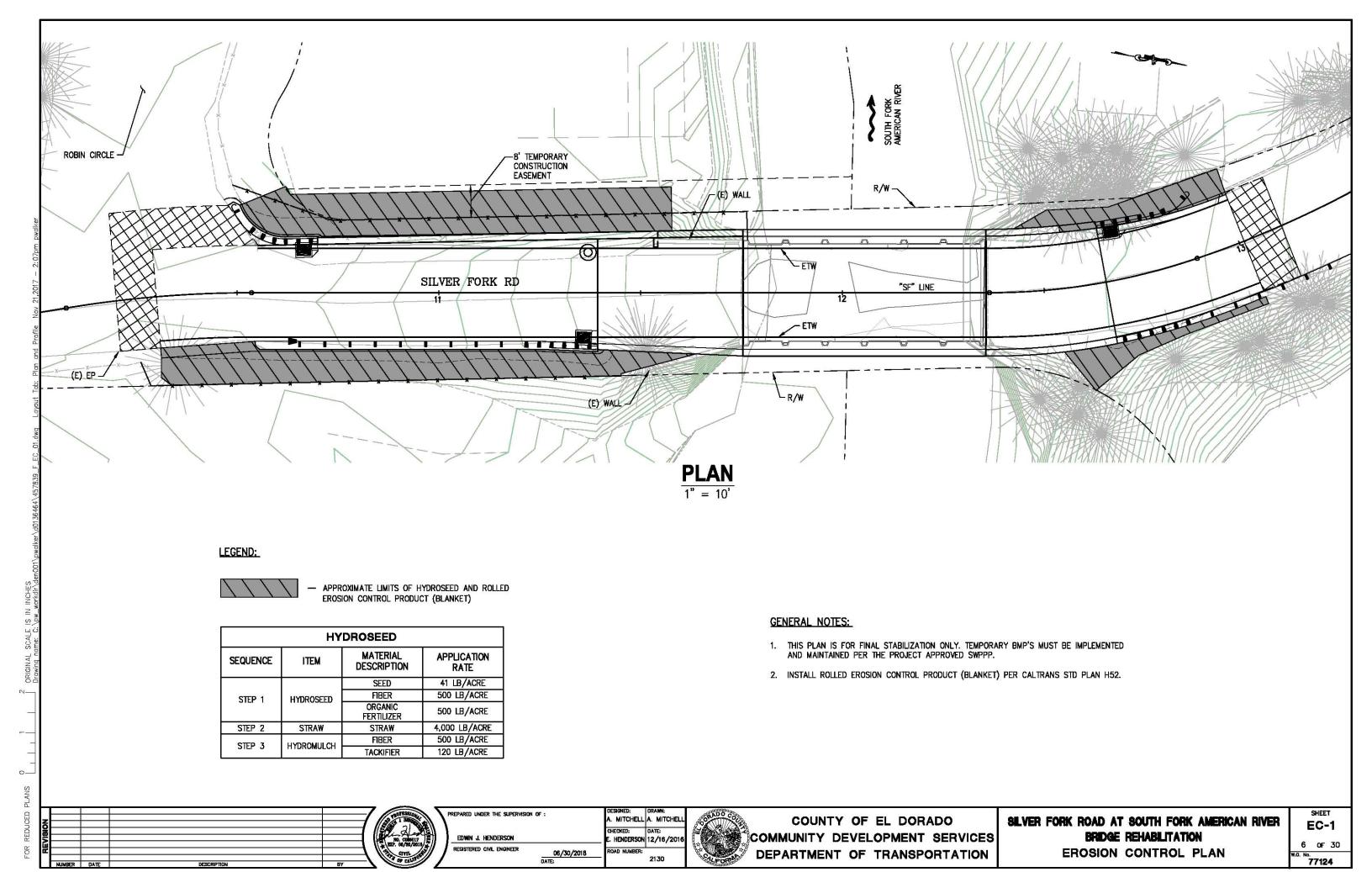
FORK BRIDGE

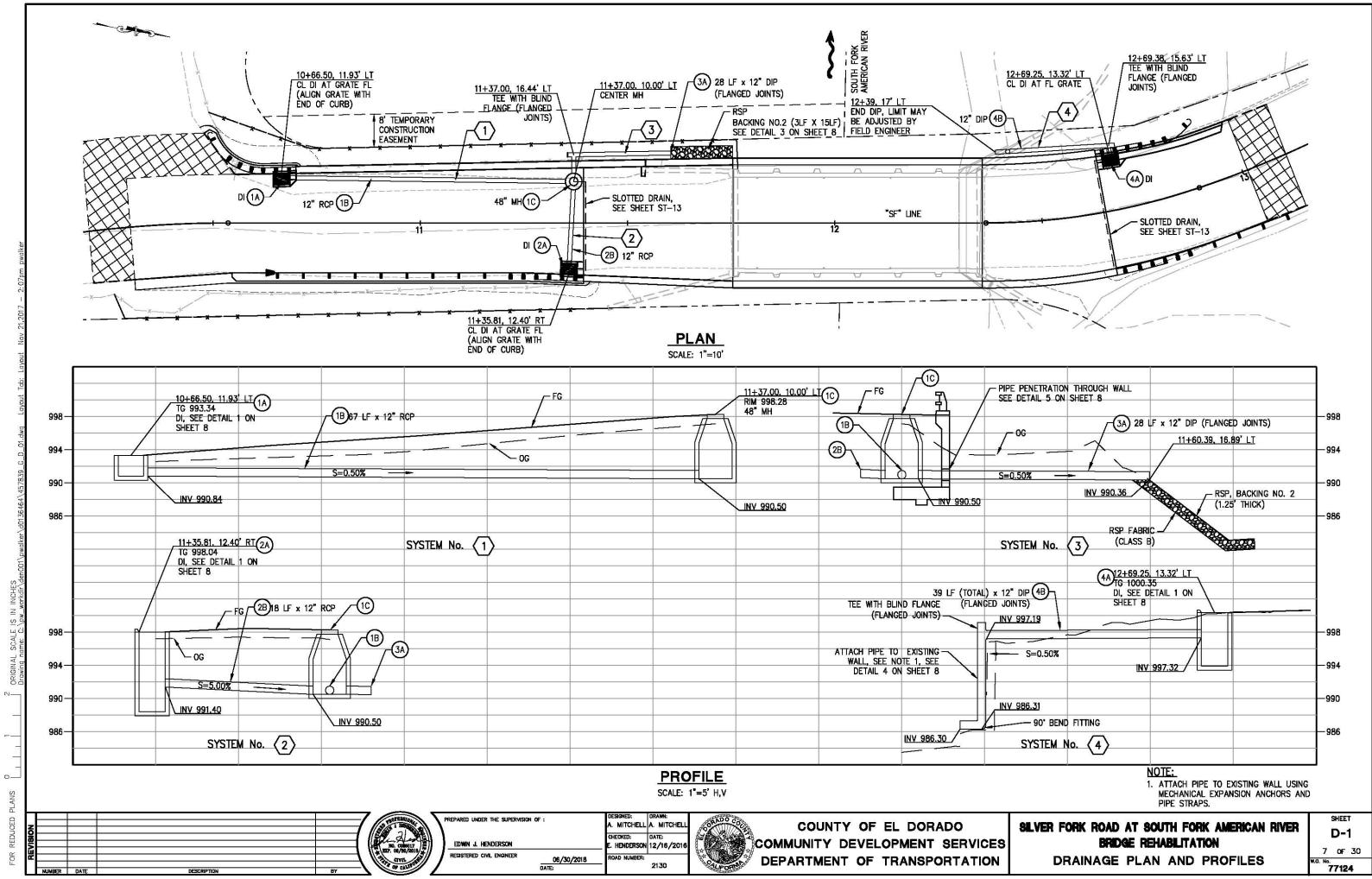


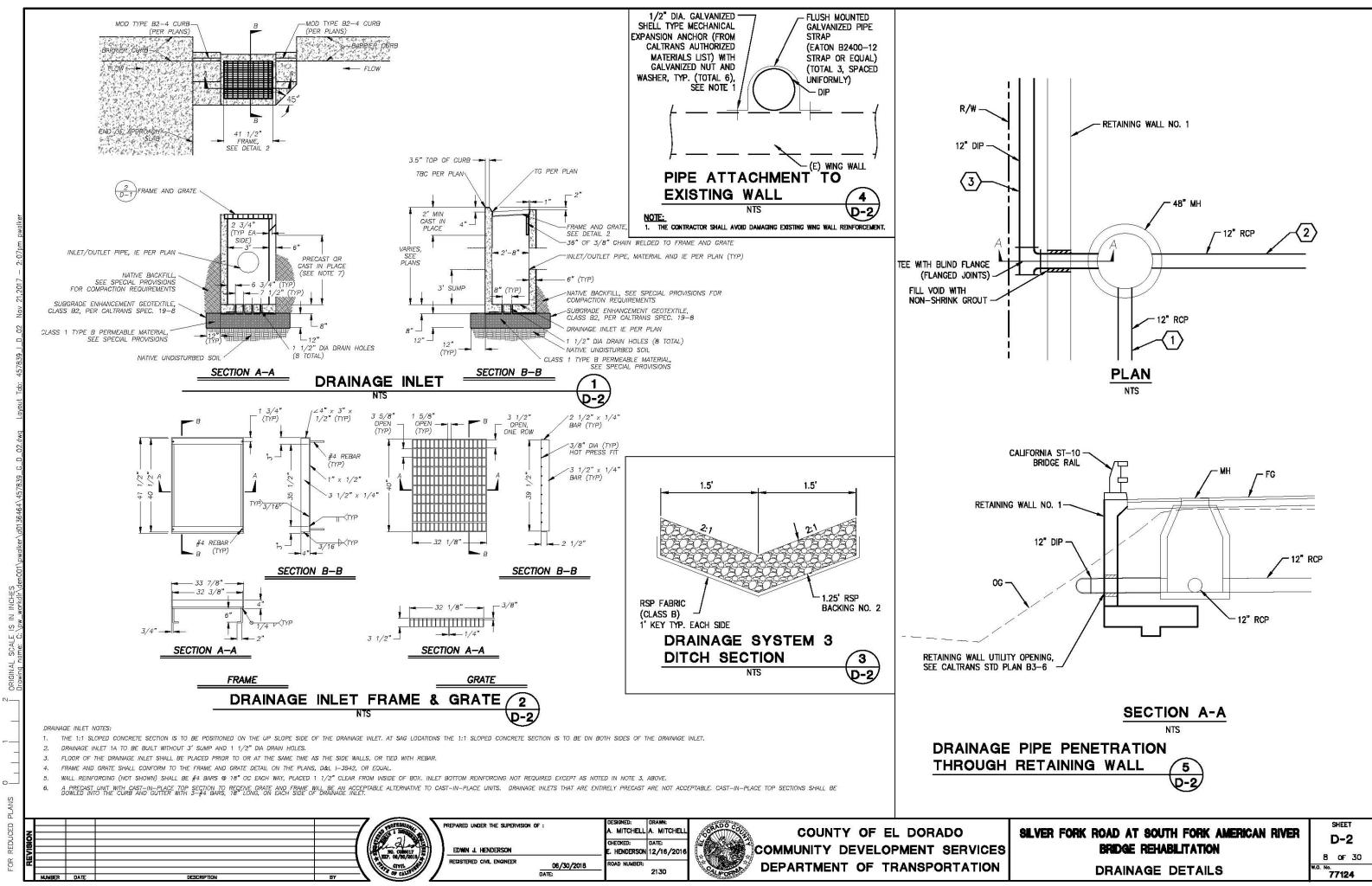








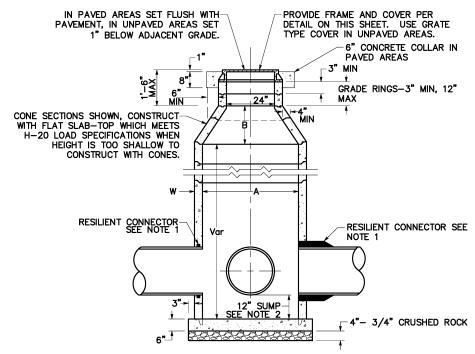




- 2. SUMP SHALL BE 1'-O" DEEP, MEASURED FROM INVERT OF OUTFALL PIPE. SUMP NOT REQUIRED IF OUTFALL PIPE IS 24" I.D. OR LARGER.
- 3. RISER SECTION, CONES, AND ADJUSTING RINGS SHALL CONFORM TO ASTM C=478
- 4. ALL JOINTS SHALL BE MADE WITH PREFORMED PLASTIC JOINT SEALING COMPOUND. FOLLOWING INSTALLATION GROUT ALL INTERIOR AND EXTERIOR JOINTS.
- 5. CONCENTRIC COMPONENTS SHALL BE USED UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- 6. PRECAST MANHOLES SHALL BE SIZED TO PROVIDE THE FOLLOWING: THE ANNULAR SPACE ON THE INSIDE OF THE MANHOLE BARREL BETWEEN CORED PIPE CONNECTION HOLES SHALL BE A MINIMUM OF 10—INCHES. IF THE CONNECTION HOLE IS CAST MONOLITHICALLY WITH THE MANHOLE BARREL THE MEASUREMENT SHALL BE TAKEN FROM THE FINISHED CONCRETE CONNECTION SURFACE.

TABLE OF MINIMUM DIMENSIONS

	M.H.	Α	В	W	ł
	48"	48"	18"	4"	
	60"	60"	30"	6"	
	72"	72"	**	7"	
	84"	84" 96"	54"	8" 9"	
	96"	96"		9"	ł
** _	TRANS	SITION	SLAB DIAME	REDU	ICES
	72° T	o 60"	DIAME		I CON



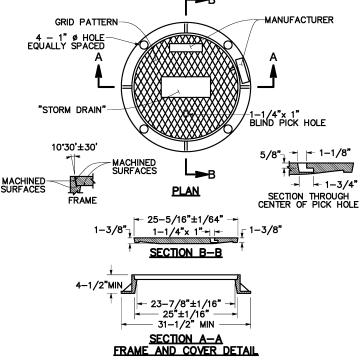
STORM DRAIN MANHOLE(18)○ (18)ⓒ (65)⊕ (65)⊕ (65)⊕





OTFS:

- 1. ALL CASTINGS TO CONFORM TO ASTM A48, CLASS 35B
- 2. FRAME AND COVER TO MEET H-20 LOAD SPECIFICATIONS.
- MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES NOT TO EXCEED 1/64" TOLERANCE.
- 4. FRAME AND COVER SHALL HAVE A COATING OF BLACK BITUMINOUS MATERIAL.
- 5. LOCKING COVER TYPE FRAME AND COVERS SHALL BE USED IN EASEMENT AREAS UNLESS OTHERWISE APPROVED.

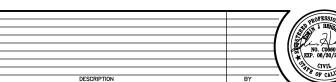


NOTES:

- MANHOLE COVER SHALL FIT FRAME SHOWN ON FRAME AND COVER DETAIL.
- 2. SEATING SURFACES SHALL BE MACHINED AS SHOWN IN FRAME AND COVER DETAIL.
- 3. GALVANIZE AFTER FABRICATION

DRAINAGE PLAN SHEET NO.	DRAINAGE SYSTEM NO.	DRAINAGE UNIT	DRAINAGE INLET	48" MAN HOLE	INLET (OR MH) ; DEPTH (FOR INFORMATION ONLY)	12" RCP	12" DIP	TEE W/ BLIND FLANGE	90" DIP BEND FITTING	RSP (BACKING NO. 2)	RSP FABRIC (CLASS 8)
			EA	EA	LF	LF	LF	EA	EA	CY	SQYD
		1A	1		2.80						
D-1	1	1B				67					
		1C		1	7.80						
D 1	2	2A	1		6.84						
D-1		2B				18					
D-1	3	3A					28	1			
D-1	٥	3B								3	12
D-1	4	4A	1		3.11						
0-1	+	4B					39	2	1		
	TOTAL		3	1		85	67	3	1	3	12

DRAINAGE QUANTITY TABLE





_	REGISTERED CIVIL ENGINEER	06/30/2018 DATE:	ROAD NUMBER:	2130
1	EDWN J. HENDERSON		CHECKED: E. HENDERSON	DATE: 12/16/20
\setminus	PREPARED UNDER THE SUPERVISION	OF:	DESIGNED: A. MITCHELL	DRAWN: A. MITCHE



COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT SERVICES
DEPARTMENT OF TRANSPORTATION

SILVER FORK ROAD AT SOUTH FORK AMERICAN RIVER BRIDGE REHABILITATION

DRAINAGE DETAILS & QUANTITIES

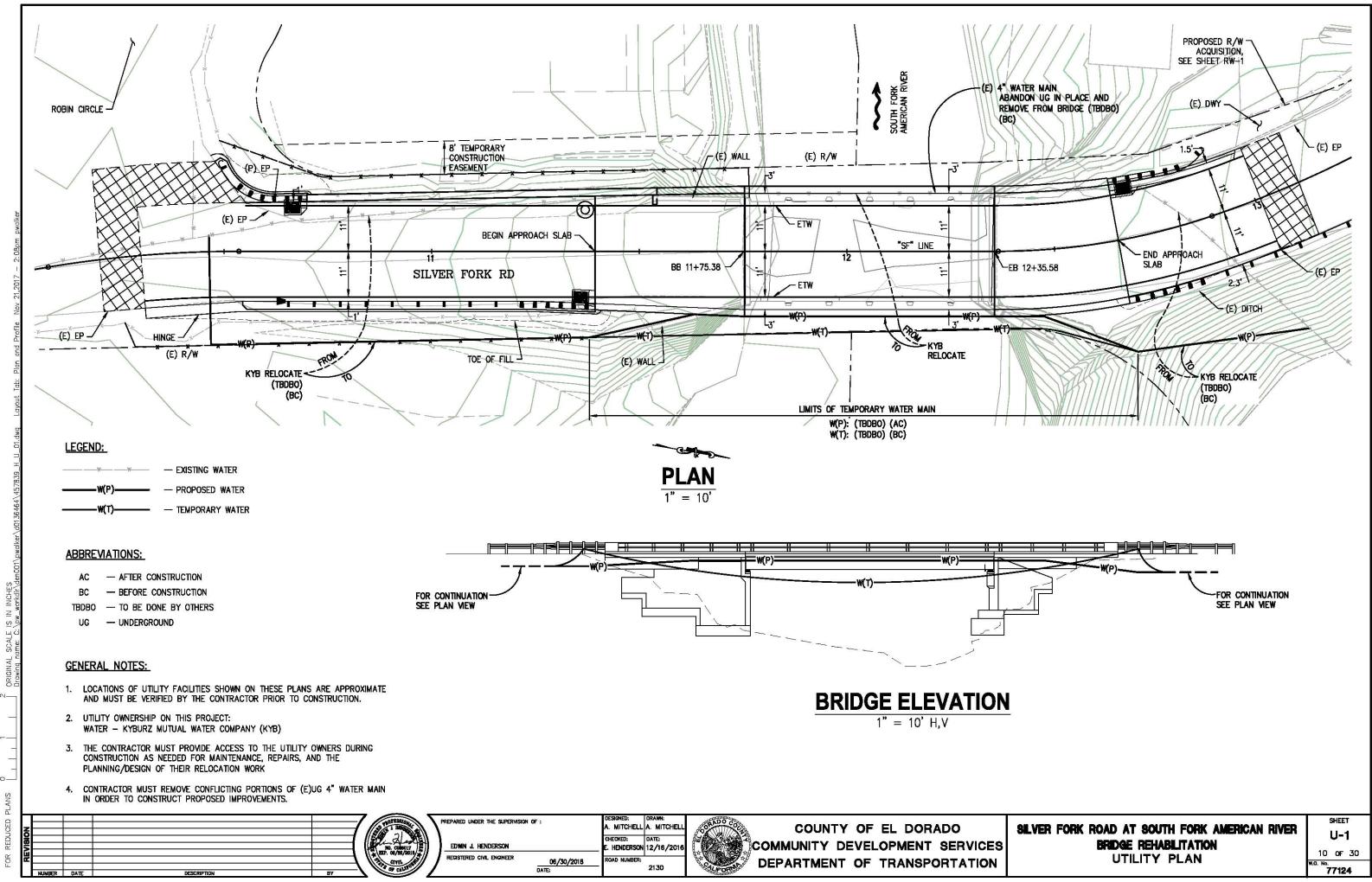
SHEET

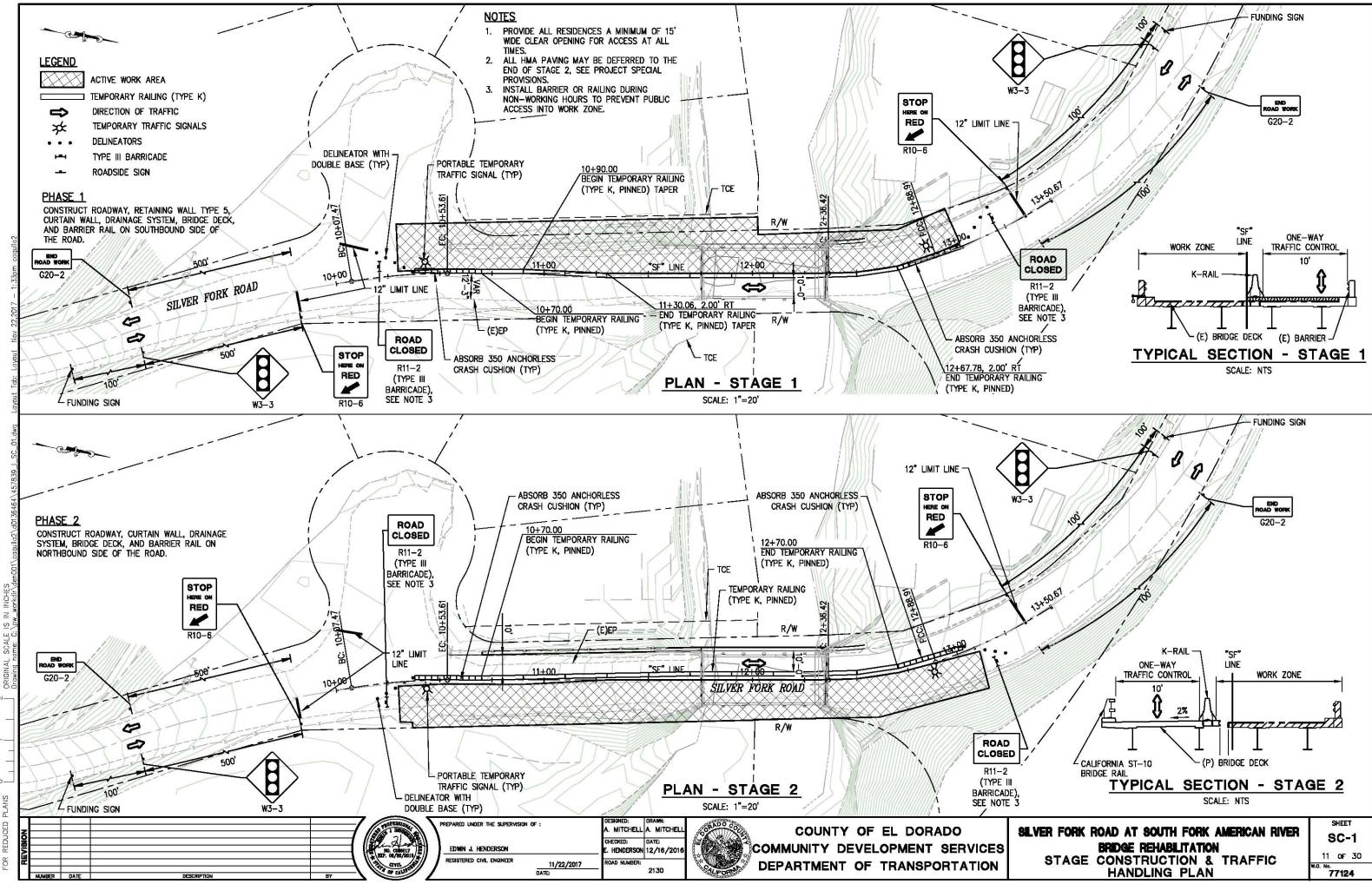
D-3

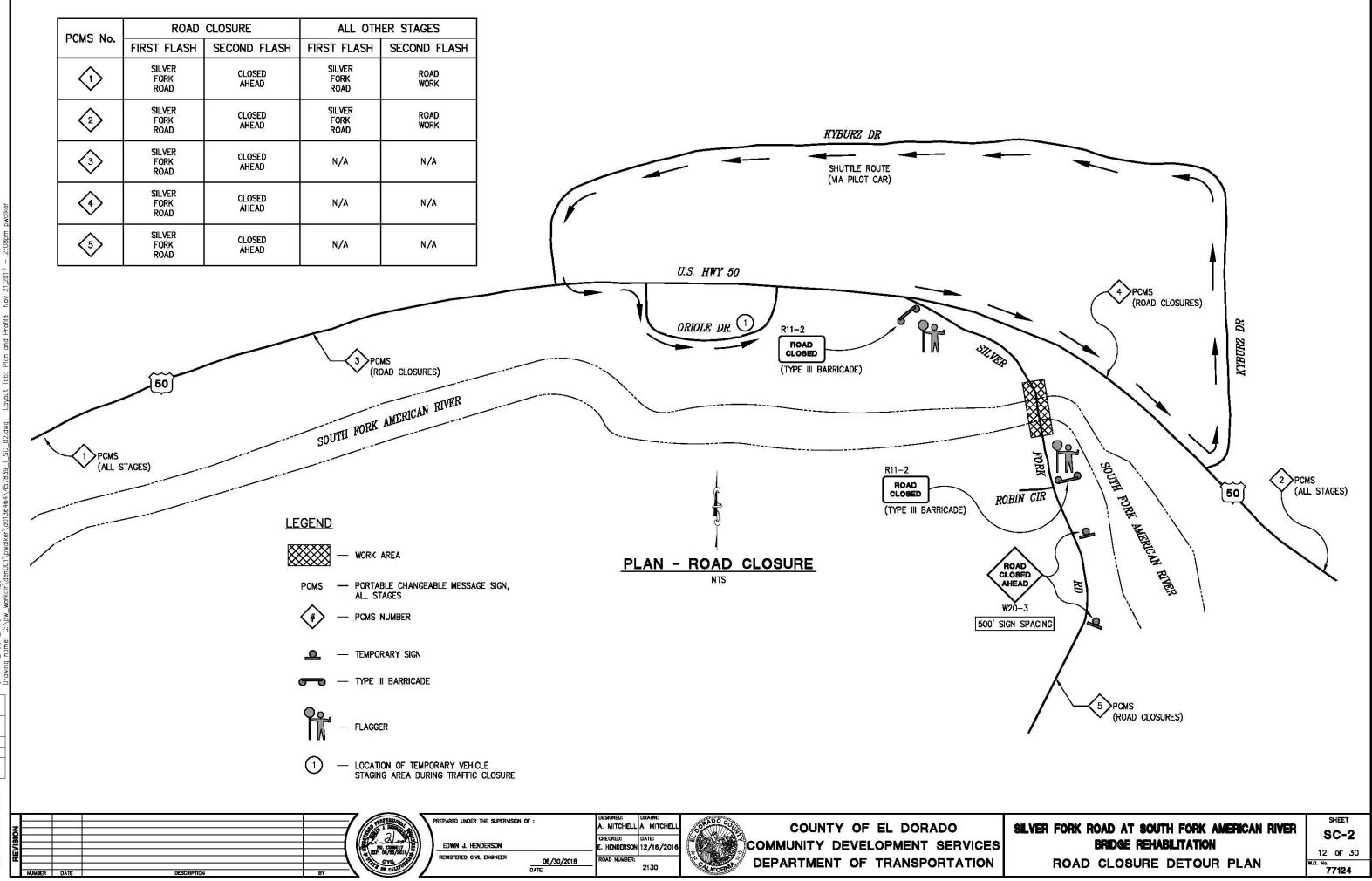
9 OF 30

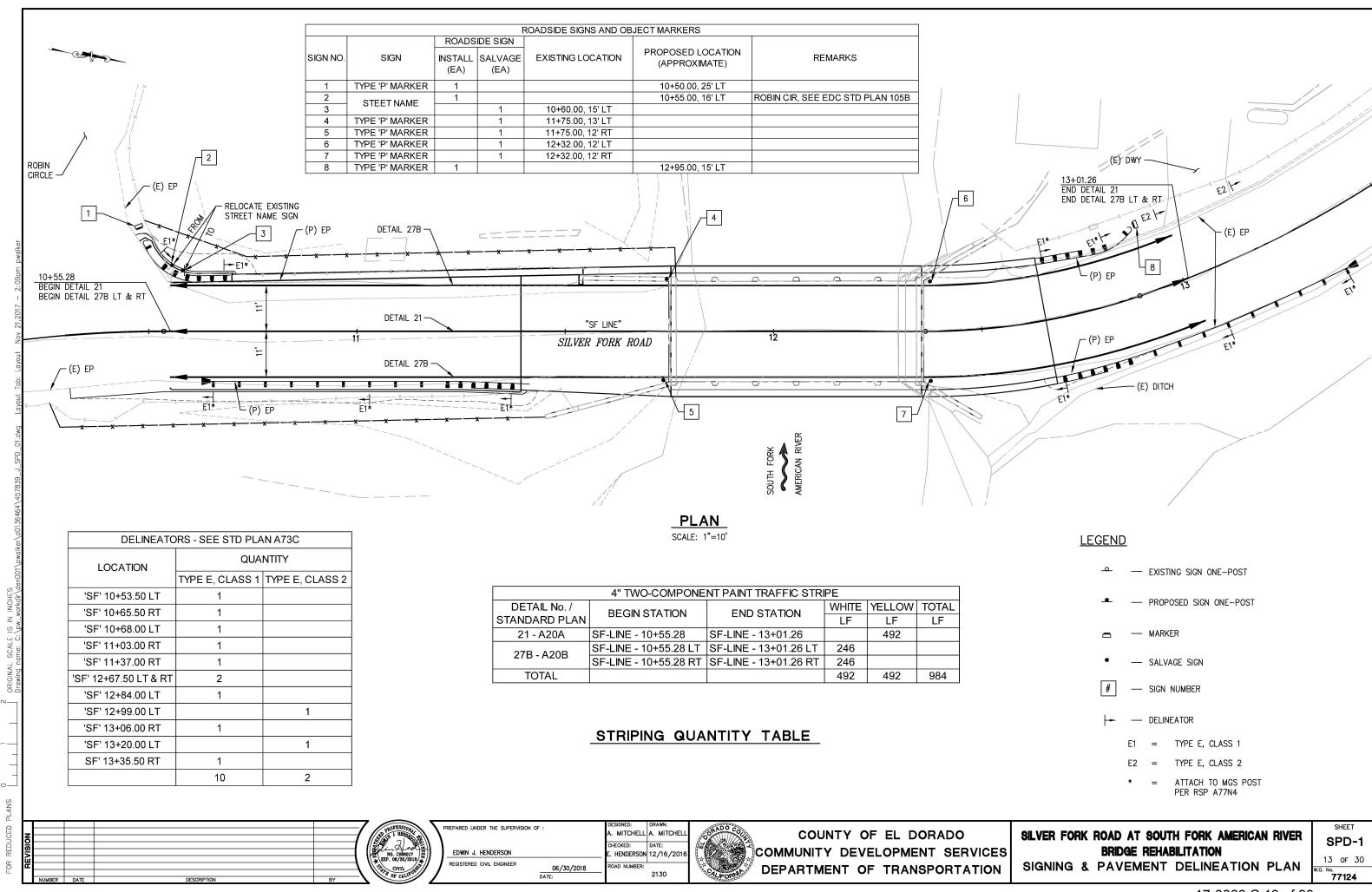
W.O. No.

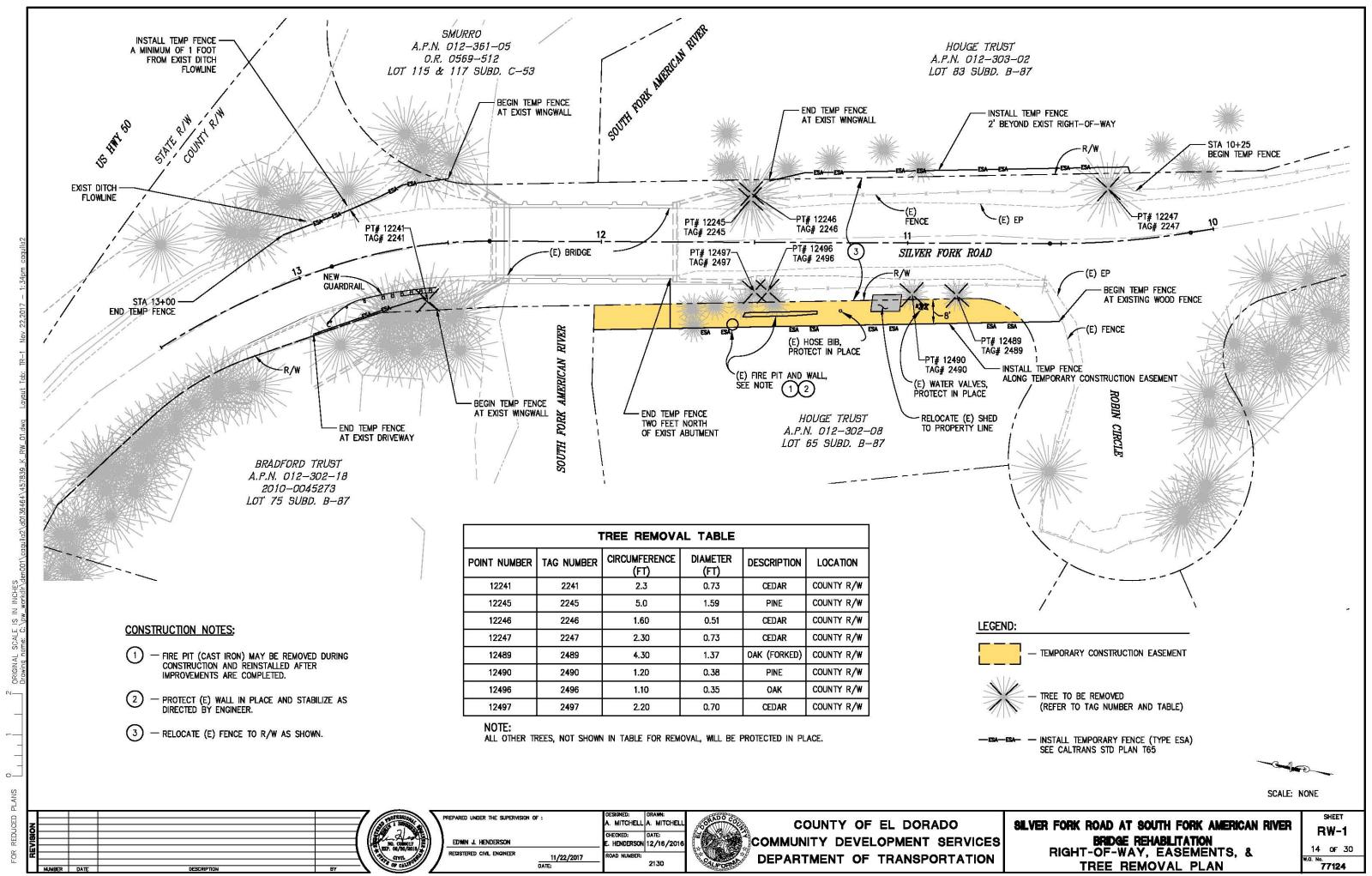
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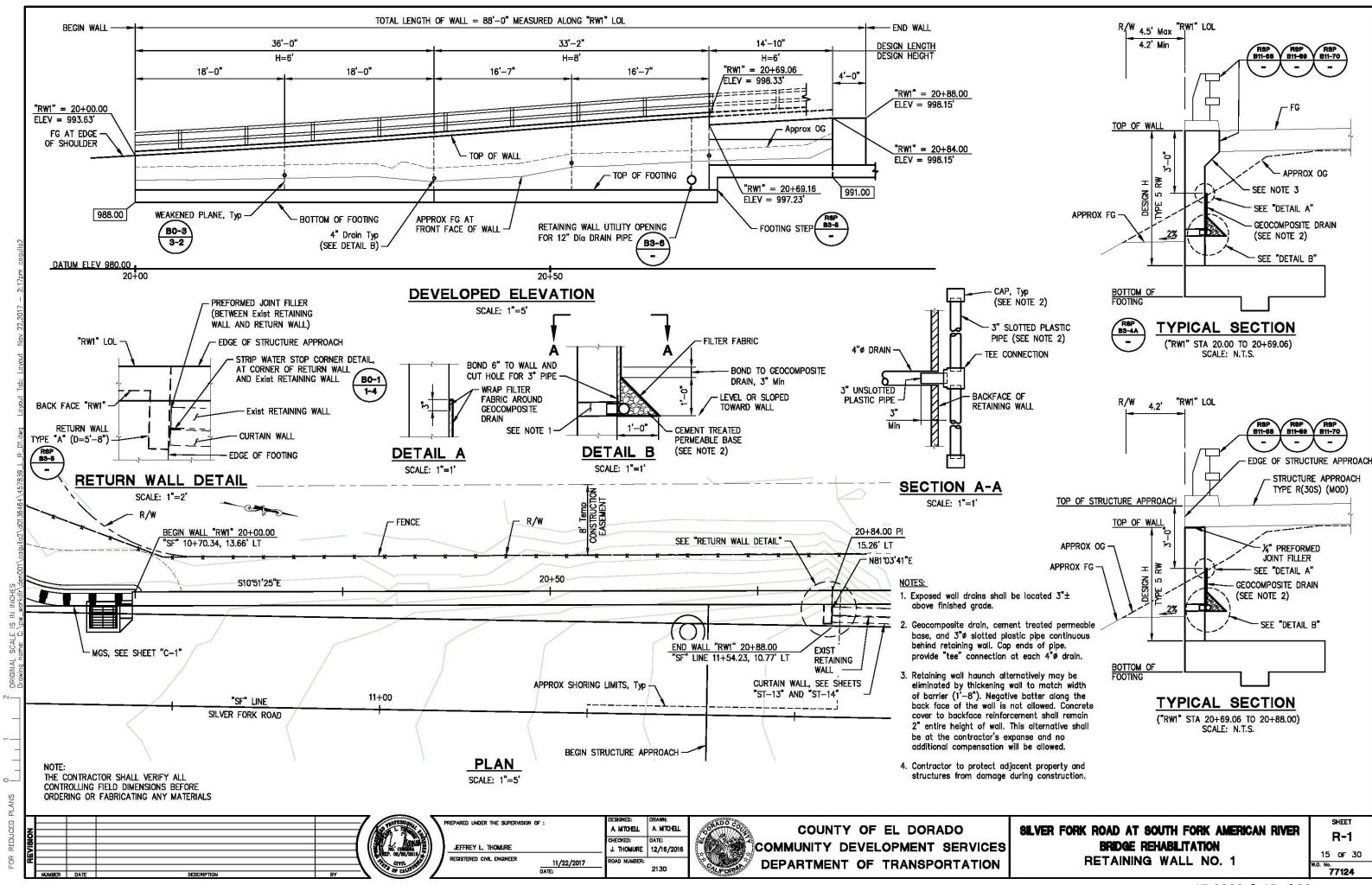


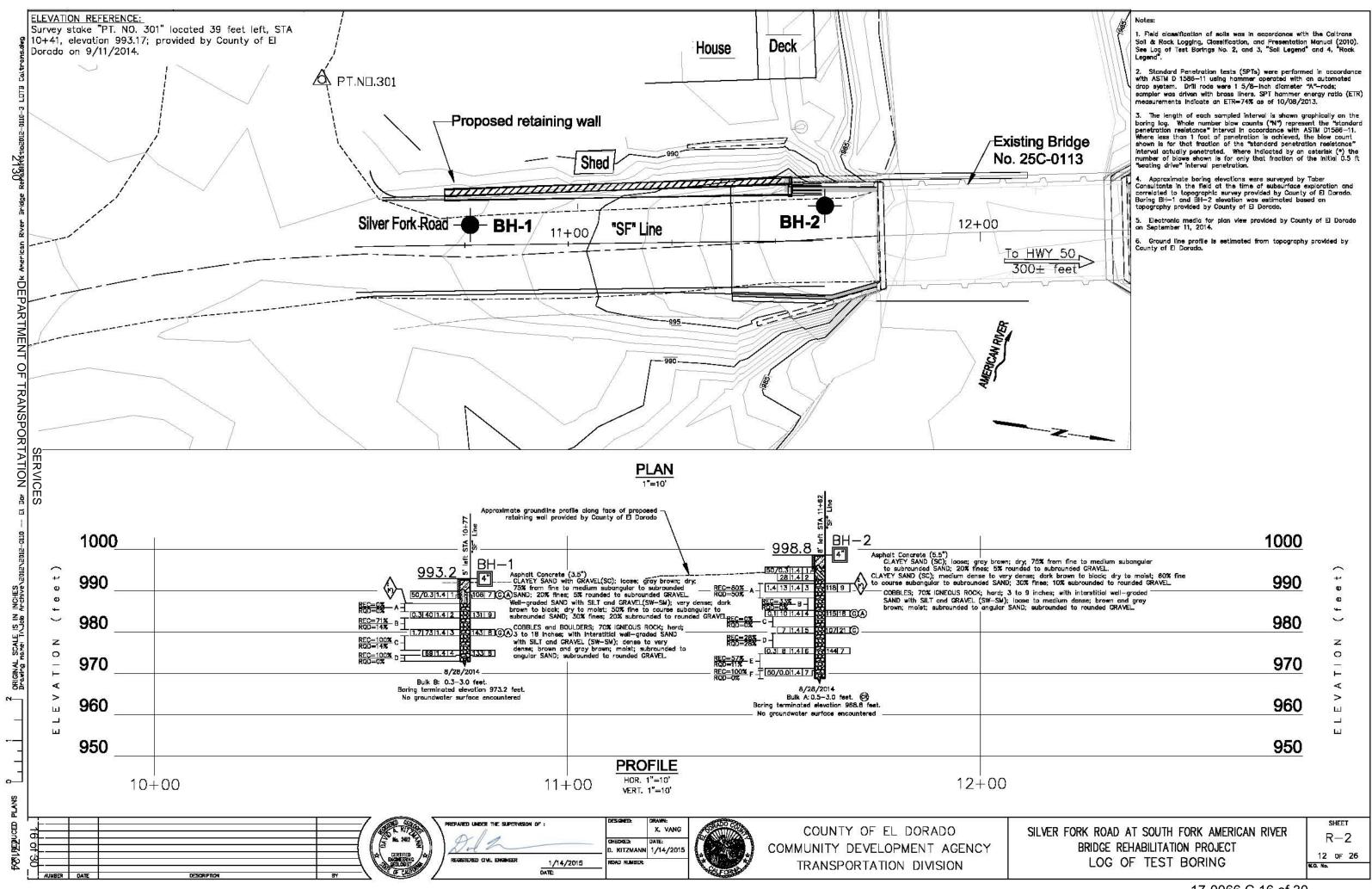


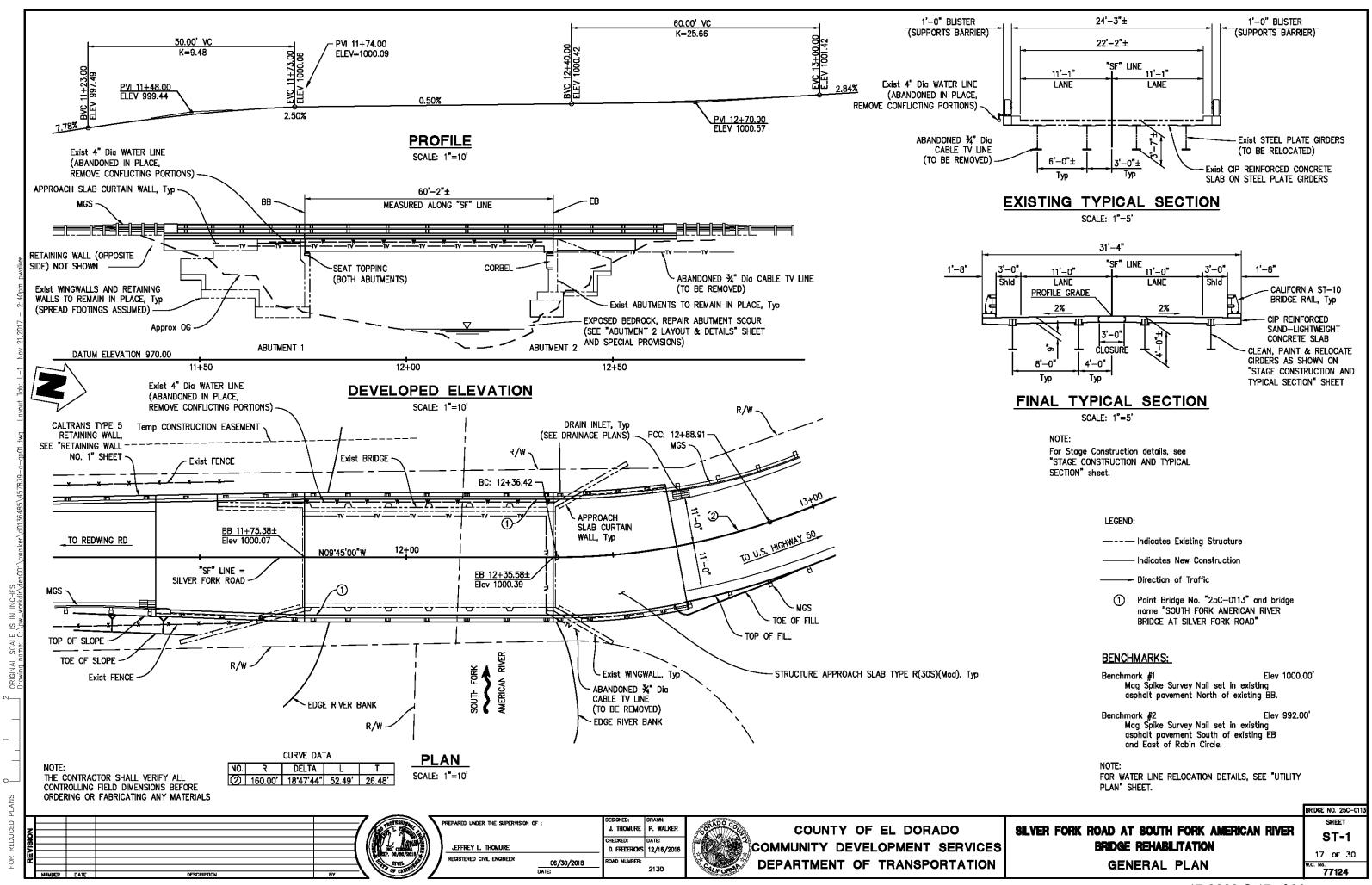








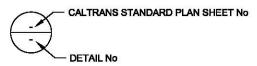


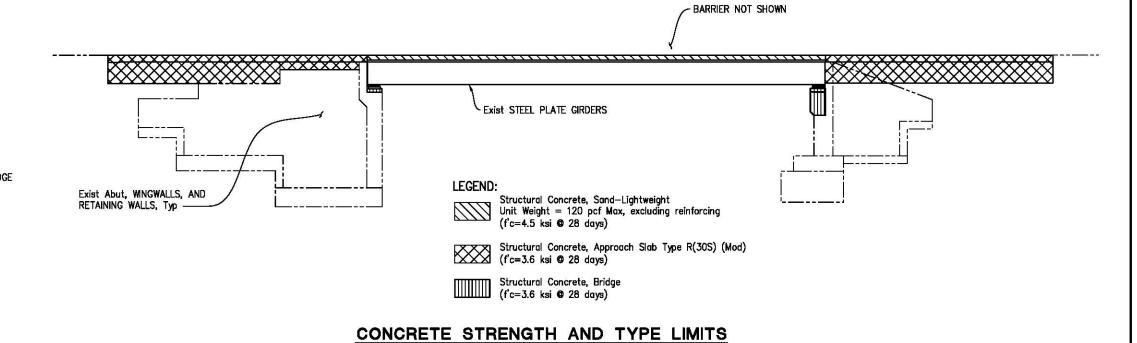


SHEET NO.	DWG NO.	TITLE
17	ST-1	GENERAL PLAN
18	ST-2	INDEX TO PLANS
19	ST-3	GENERAL NOTES
20	ST-4	BRIDGE REMOVAL DETAILS
21	ST-5	ABUTMENT 1 LAYOUT AND DETAILS
22	ST-6	ABUTMENT 2 LAYOUT AND DETAILS
23	ST-7	ABUTMENT 2 CORBEL DETAILS
24	ST-8	STAGE CONSTRUCTION AND TYPICAL SECTION
25	ST-9	GIRDER LAYOUT
26	ST-10	GIRDER DETAILS
27	ST-11	DECK DETAILS
28	ST-12	BEARING DETAILS
29	ST-13	STRUCTURE APPROACH TYPE R(30S) (MOD) LAYOUT
30	ST-14	APPROACH SLAB DETAILS

CALTRANS 2010 STANDARD PLANS

SHEET	TITLE
A10A	ABBREVIATIONS (SHEET 1 OF 2)
RSP A10B	ABBREVIATIONS (SHEET 2 OF 2)
A10C	LINES AND SYMBOLS (SHEET 1 OF 3)
A10D	LINES AND SYMBOLS (SHEET 2 OF 3)
A10E	LINES AND SYMBOLS (SHEET 3 OF 3)
A62C	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL — BRIDG
B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
RSP B3-4A	RETAINING WALL TYPE 5 (CASE 1)
RSP B3-5	RETAINING WALL DETAILS No. 1
B3-6	RETAINING WALL DETAILS No. 2
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
RSP B11-68	CALIFORNIA ST-10 BRIDGE RAIL (SHEET 1 OF 3)
B11-69	CALIFORNIA ST-10 BRIDGE RAIL (SHEET 2 OF 3)
RSP B11-70	CALIFORNIA ST-10 BRIDGE RAIL (SHEET 3 OF 3)
T3A	TEMPORARY RAILING TYPE K
T3B	TEMPORARY RAILING TYPE K





NO SCALE

QUANTITIES

LEAD COMPLIANCE PLAN	1	LS
TEMPORARY RAILING (TYPE K)	400	LF
WORK AREA MONITORING (BRIDGE)	1	LS
CORE CONCRETE (2")	35	LF
BRIDGE REMOVAL (PÓRTION)	1	LS
STRUCTURE EXCAVATION (BRIDGE)	91	CY
STRUCTURE EXCAVATION (RETAINING WALL)	202	CY
STRUCTURE BACKFILL (RETAINING WALL)	156	CY
CEMENT TREATED PERMEABLE BASE		CY
STRUCTURAL CONCRETE, BRIDGE		CY
STRUCTURAL CONCRETE, RETAINING WALL		CY
STRUCTURAL CONCRETE, APPROACH SLAB TYPE R(30S) (MOD)	83	CY
ABUTMENT SCOUR REPAIR		LS
LIGHTWEIGHT CONCRETE		CY
DRILL AND BOND DOWEL	103	
JOINT SEAL (MR=1")		LF
BAR REINFORCING STEEL (BRIDGE)	1205	
BAR REINFORCING STEEL (RETAINING WALL)	8112	30000
BAR REINFORCING STEEL (EPOXY COATED) (BRIDGE)	13709	100000000000000000000000000000000000000
FURNISH STRUCTURAL STEEL (BRIDGE)	9702	100000000000000000000000000000000000000
RELOCATE EXISTING GIRDERS	1	LS
ERECT STRUCTURAL STEEL (BRIDGE)	9702	
CLEAN AND PAINT STRUCTURAL STEEL	-1	LS
MISCELLANEOUS METAL (BRIDGE)		LB
CALIFORNIA ST-10 BRIDGE RAIL	326	LF

THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS BEFORE
ORDERING OR FABRICATING ANY MATERIALS

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			Ko
	*		
			1/216
			112
NUMBER	DATE	DESCRIPTION	BY



\	PREPARED UNDER THE SUPERVISION	N OF:	DESIGNED: J. THOMURE	ORAWN: P. WALKER
1	JEFFREY L. THOMURE		CHECKED: D. FREDERICKS	DATE: 12/16/201
/	REGISTERED CIVIL ENGINEER	06/30/2018 DATE:	ROAD NUMBER:	2130



COUNTY OF EL DORADO COMMUNITY DEVELOPMENT SERVICES DEPARTMENT OF TRANSPORTATION

SILVER FORK ROAD AT SOUTH FORK AMERICAN RIVER **BRIDGE REHABILITATION** INDEX TO PLANS

BRIDGE NO. 25C-011 ST-2 18 OF 30 77124

GENERAL NOTES:

- 1. It shall be the Contractor's responsibility to verify the location of any underground utilities prior to starting construction. The utility information shown on the Contract Plans is not guaranteed to be accurate or all inclusive.
- 2. The existing structure geometry and alignment are approximate and based on preliminary survey data performed by the County. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
- 3. Traffic will be carried on the structure and stage construction will be required. See "STAGE CONSTRUCTION AND TYPICAL SECTION" sheet for stage construction details and girder relocation.
- 4. Stability of the bridge and approach slab during stage construction is adequate for design vehicular (HS20 or HL93) and pedestrian (75 psf) loads. The Contractor shall verify stability of the structure for construction loads greater than that specified herein.
- 5. Excavations shall be shored to prevent subsidence or damage to adjacent existing structures, utilities, or other apparatuses.
- 6. Use of overhang brackets supported by the existing wingwalls or retaining walls
- 7. All construction joints shall be cleaned and roughened to 12" amplitude minimum unless otherwise noted. No construction joints except those shown on the Contract Plans will be allowed unless otherwise approved by the Engineer.
- 8. All reinforcing bars located in the concrete deck, barrier, approach slabs, and curtain walls shall be epoxy coated. Any damage to the epoxy coating during construction shall be repaired.
- 9. Reinforcing bar spacing is the distance from center to center of bars.
- 10. Reinforcing bar cover is the clear distance between the surface of the bar and the face of the concrete. Minimum bar cover shall be 2" and reinforcing bars shall terminate 2" clear from concrete surfaces unless otherwise noted.
- 11. All reinforcing bar hooks shall be standard hooks unless otherwise noted.
- 12. Splices in reinforcing bars shall be staggered at least one splice length unless
- 13. Reinforcing bars shall be continuous through all construction joints unless shown otherwise
- 14. All dimensions are in feet and inches unless otherwise noted.
- 15. No welding of reinforcing bars shall be permitted, unless approved by the Engineer or noted otherwise. If welding of reinforcing bars is approved or noted in the Contract Plans, it shall conform to AWS D1.4.
- 16. No field welding is permitted except as noted in the Contract Plans or approved by the engineer.
- 17. Welding of structural steel shall conform to the requirements of the American Welding Society (AWS) Bridge Welding Code D1.5, 2008 Edition, and the Project
- 18. These General Notes supplement the Project Specifications, which contain additional requirements and information.

DESIGN CRITERIA:

LOAD AND RESISTANCE FACTOR DESIGN (LRFD)

Design Criteria: AASHTO LRFD Bridge Design Specifications, 6th Edition, with the California Amendments dated January 2014

AASHTO Manual for Bridge Evaluations (MBE), 2nd Edition Caltrans Construction Standard Specifications, 2010

Dead Load: Deck concrete, including reinforcement - 125 pcf

Other concrete, including reinforcement - 150 pcf

Future wearing surface — 35 psf

Live Load: HS20-44 and alternative design loads (existing bridge during stage construction)

HL-93 with "Low Boy" and Permit Design Vehicle (rehabilitation bridge)

Wind Load: 50 psf

Thermal Load: Thermal coefficient $-6.5 \times 10^{-6} / \text{F}$

Maximum temperature - 120 F Minimum temperature - -30 F Temperature Variation - 97.5 °F

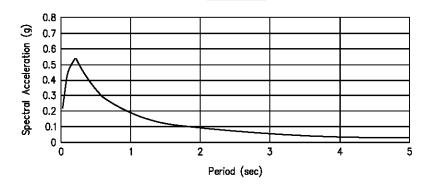
Collision Load: TL-2 Barrier load

Seismic Load: Vs₃₀ - 1840 ft/sec

Liquefaction potential - low Peak ground acceleration - 0.28a

Dampening - 5%

ARS Curve



MATERIALS

Existing Concrete: f'c = 5 ksi (deck, per compressive testing) and f'c = 2.5 ksi (other, per MBE for 1953 construction)

Existing Reinforcing Steel: fy = 33 ksi (per MBE for 1953 construction)

Existing Structural Steel: fy = 33 ksi and fu = 66 ksi (per MBE for 1953 construction)

Structural Concrete: Varies, see "CONCRETE STRENGTH AND TYPE LIMITS" on "INDEX TO PLANS" sheet

Reinforcing Steel: ASTM A706 Grade 60 (fy = 60 ksi) Structural Steel: ASTM A709 Grade 36 minimum

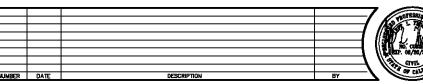
ASTM A325 Structural Bolts:

ASTM A108 (fy = 60 ksi) Shear Connectors: ASTM F1554 Grade 55 Anchor Bolts:

E70 minimum Electrode:

In accordance with ASTM A153 (Where specified in Contract Plans) Galvanizing:

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS





PREPARED UNDER THE SUPERVISION OF :

JEFFREY L. THOMURE 06/30/2018 DATE: REGISTERED CIVIL ENGINEER

J. THOMURE | P. WALKER CHECKED: D. FREDERICKS 12/16/2016

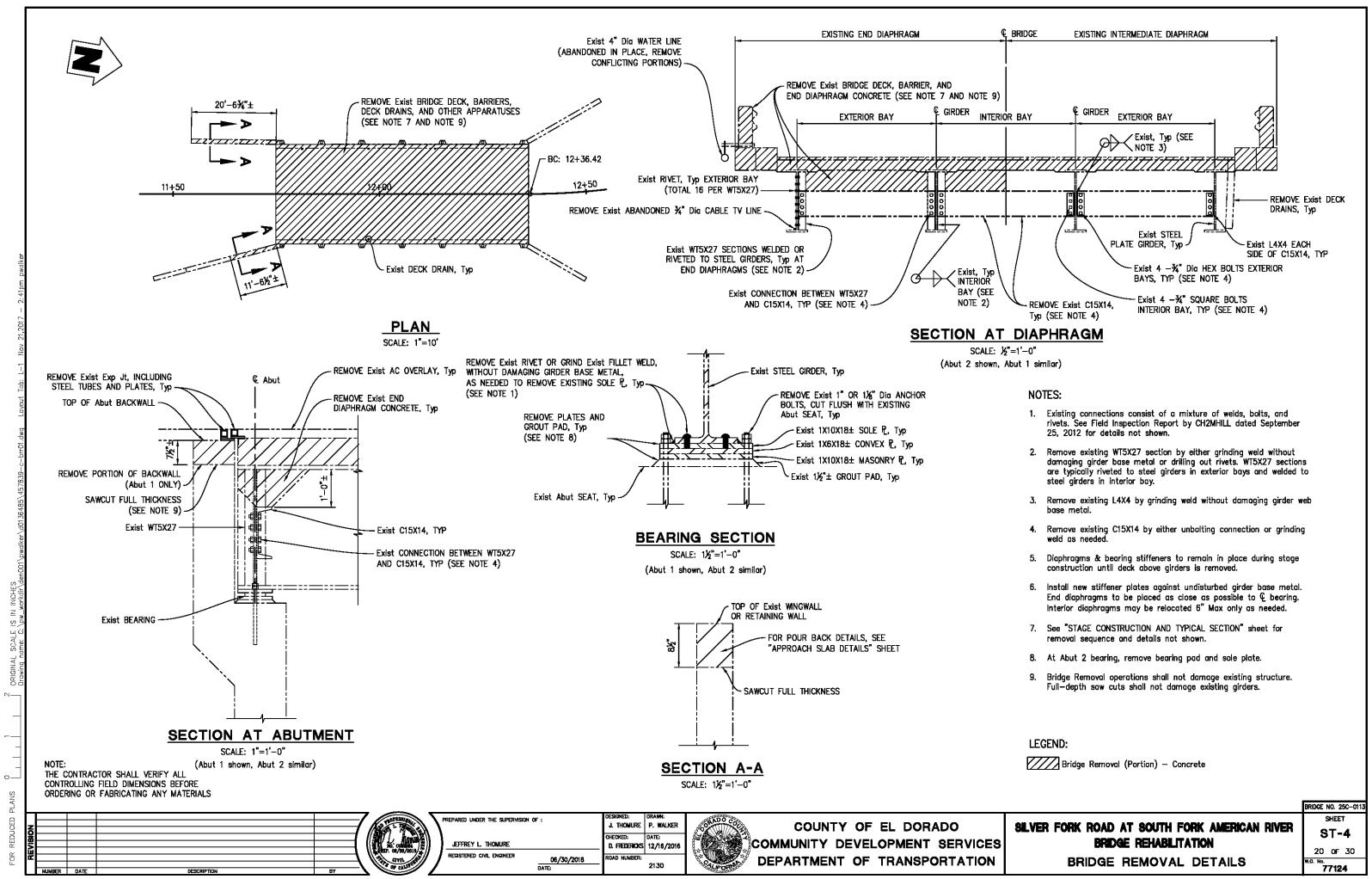


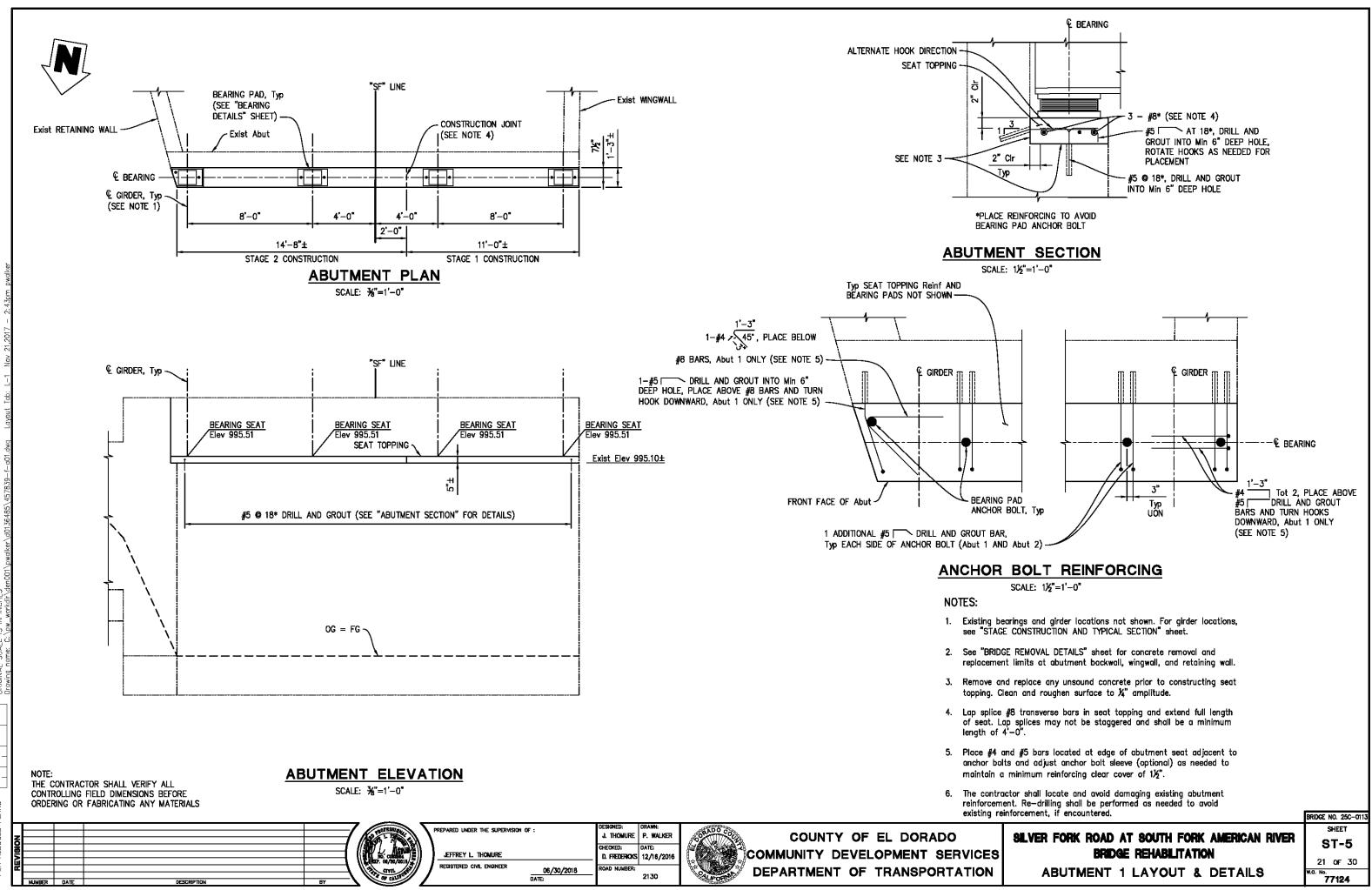
COUNTY OF EL DORADO COMMUNITY DEVELOPMENT SERVICES DEPARTMENT OF TRANSPORTATION

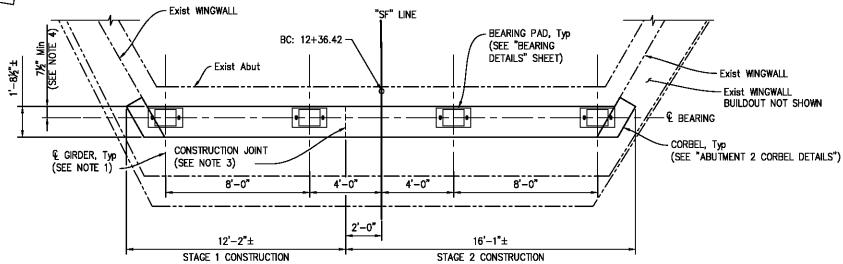
SILVER FORK ROAD AT SOUTH FORK AMERICAN RIVER BRIDGE REHABILITATION **GENERAL NOTES**

BRIDGE NO. 25C-01 SHEET **ST-3** 19 OF 30

77124

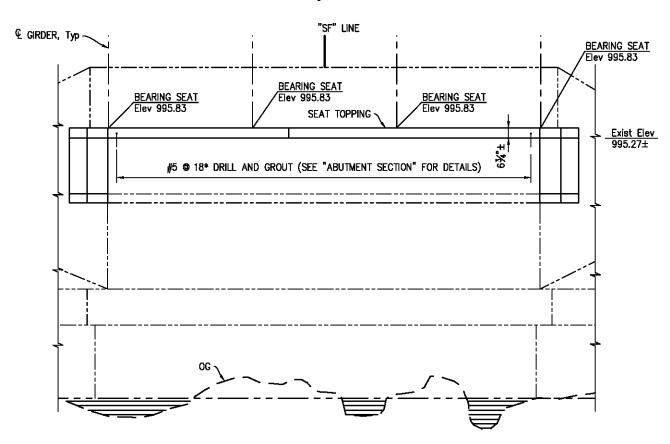






ABUTMENT PLAN

SCALE: 36"=1'-0"



ABUTMENT ELEVATION

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

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS

> REPARED UNDER THE SUPERVISION OF : J. THOMURE P. WALKER JEFFREY L. THOMURE D. FREDERICKS 12/16/2016 06/30/2018 DATE:



COUNTY OF EL DORADO COMMUNITY DEVELOPMENT SERVICES DEPARTMENT OF TRANSPORTATION

SILVER FORK ROAD AT SOUTH FORK AMERICAN RIVER BRIDGE REHABILITATION ABUTMENT 2 LAYOUT & DETAILS

BRIDGE NO. 25C-01 SHEET ST-6 22 OF 30 77124

#8 Tot 4*, EQUAL SPACING (SEE NOTE 3) #5 AT 18"*, DRILL AND GROUT SEE NOTE 2 #6 Tot 4*, EQUAL SPACING (SEE NOTE 3) 2" Clr

€ BEARING

SEAT TOPPING

*PLACE REINFORCING TO AVOID BEARING PAD ANCHOR BOLTS

ABUTMENT SECTION

SCALE: 11/2"=1'-0"

NOTES:

INTO Min 6" DEEP HOLE, ROTATE

HOOKS AS NEEDED FOR PLACEMENT

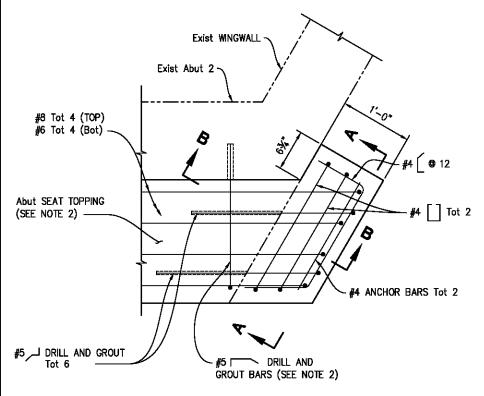
#5 @ 18*, DRILL AND GROUT

INTO Min 6" DEEP HOLE, Typ

- Existing bearings and girder locations not shown. For girder locations, see "STAGE CONSTRUCTION AND TYPICAL SECTION" sheet.
- 2. Remove and replace any unsound concrete prior to constructing seat topping. Clean and roughen surface to $1/2^n$ amplitude.
- Lap splice #6 and #8 transverse bars in seat topping and extend full length of seat. Lap splices may not be staggered and shall be a minimum length of 2'-6" for #6 bars and 4'-0" for #8 bars.
- 4. Dimension between front face of abutment backwall and centerline of bearing may vary depending on actual length of girder. Centerline of bearing shall be 6½" from end of girder.
- 5. See "ABUTMENT 2 CORBEL DETAILS" sheet for corbel reinforcement at edges of abutment seat.
- 6. See "ABUTMENT BOLT REINFORCING" detail on "ABUTMENT 1 LAYOUT AND DETAILS" sheet for additional #5 drill and grout reinforcing bars
- 7. Remove any unsound concrete and clean surfaces prior to abutment scour repair. Fill all undermined regions that are not in direct contact with rock foundation with minor concrete. Place minor concrete under pressure, either by hydraulic head or other pressurized method, to fill all voids in foundation. Minor concrete placement shall extend 1" beyond perimeter of abutment foundation footprint. See Special Provisions for additional requirements.
- 8. Drill and Bond (Chemical Adhesive) #5 dowels into bottom of exposed abutment at 1'-6" Max spacing, as access permits. Drill holes as vertical as possible and embed dowels 5" Min into footing. Use dowels with 90° standard hooks and embed hooks 3" Min into minor concrete. Install dowels 3" Min inside edge of footing.
- 9. Install 1/2" Diameter Rock Bolt Anchors into rock below undermined regions at 1'-6" Max spacing, as access permits. Install bolts as vertical as possible and 3" Min inside edge of footing. Embed bolts 4" Min into rock and 6" Min into minor concrete.

LEGEND:

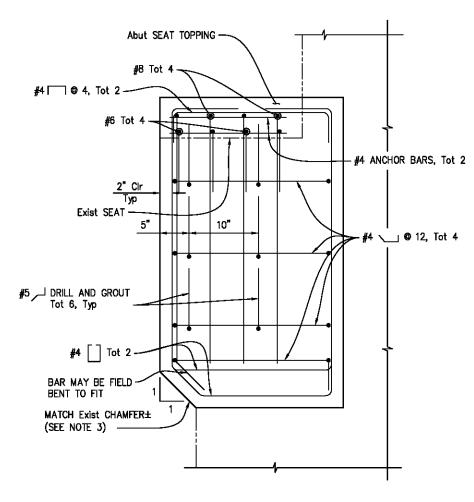
Abutment Scour Repair (see Notes 7 thru 9)

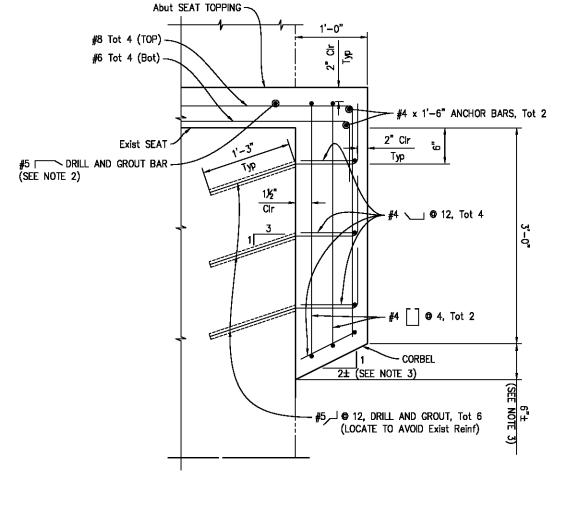


CORBEL PLAN

SCALE: 1½"=1'-0"

Right Corbel shown, Left Corbel similar





SECTION A-A

SCALE: 11/2"=1'-0"

SECTION B-B

SCALE: 1½"=1'-0"

NOTES:

- 1. Remove and replace any unsound concrete prior to constructing seat topping and corbels. Clean and roughen surface to $\mbox{\it X}$ " amplitude.
- Not all Abutment Seat Topping and Anchor Bearing Pad Bolt details shown for clarity. See "ABUTMENT 2 LAYOUT AND DETAILS" sheet.
- 3. The corbel dimensions shown are approximate and shall match the existing abutment chamfer geometry.

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS

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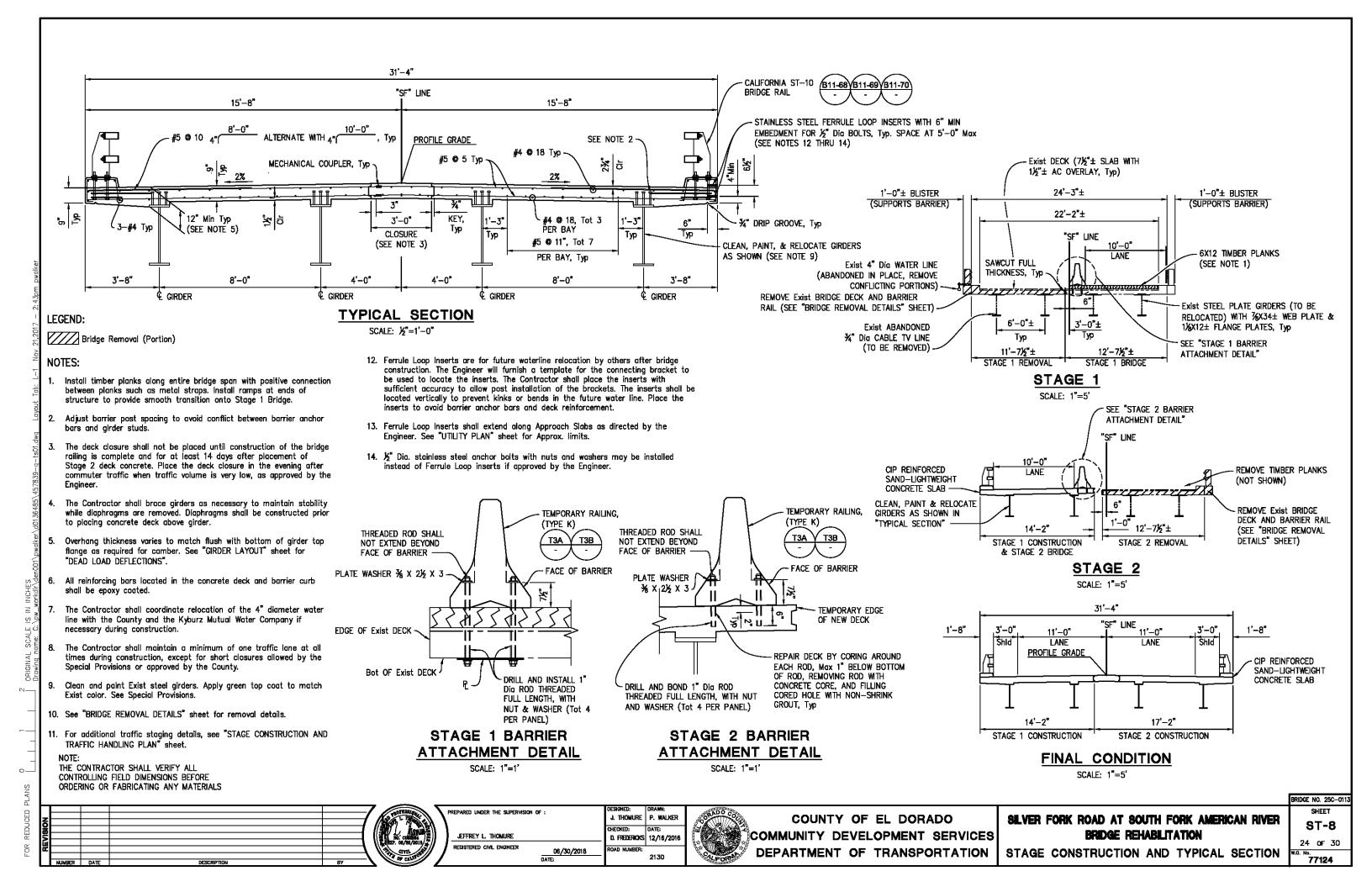
PREPARED UNDER THE SUPERVISION	I OF:	Designed: J. Thomure	DRAWN: P. WALK
JEFFREY L. THOMURE		CHECKED: D. FREDERICKS	DATE: 12/16/2
REGISTERED CIVIL ENGINEER	06/30/2018 DATE:	ROAD NUMBER;	2130

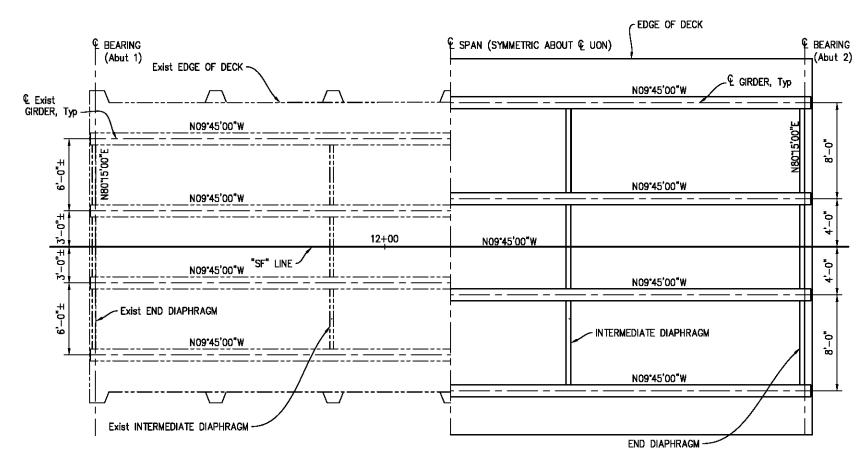


COUNTY OF EL DORADO COMMUNITY DEVELOPMENT SERVICES DEPARTMENT OF TRANSPORTATION

SILVER FORK ROAD AT SOUTH FORK AMERICAN RIVER BRIDGE REHABILITATION **ABUTMENT 2 CORBEL DETAILS**

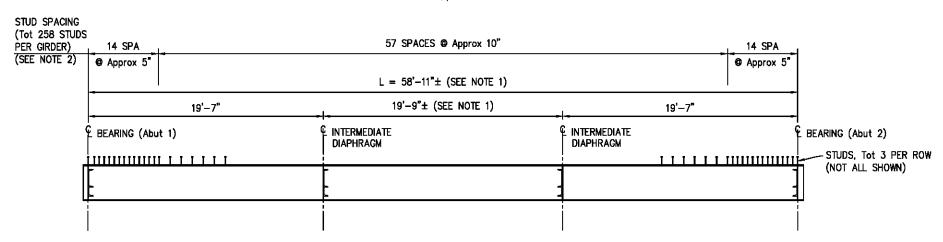
BRIDGE NO. 25C-011 SHEET **ST-7** 23 OF 30 77124





GIRDER LAYOUT

SCALE: 1/2"=1'-0"



GIRDER ELEVATION

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

NOTES:

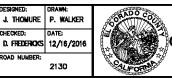
- Location of the centerline of bearing at Abut 2 may vary depending on the actual girder length (see Note 4 on "ABUTMENT 2 LAYOUT AND DETAILS" sheet).
- For stud locations on top flange, see "STUD DETAIL" on "GIRDER DETAILS" sheet.
- 3. Stud installation shall be performed in the field.
- 4. See Notes on "GIRDER DETAILS" sheet for additional stud installation

MUMBER DATE DESCRIPTION BY

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS

PREPARED UNDER THE SUPERVISION OF :

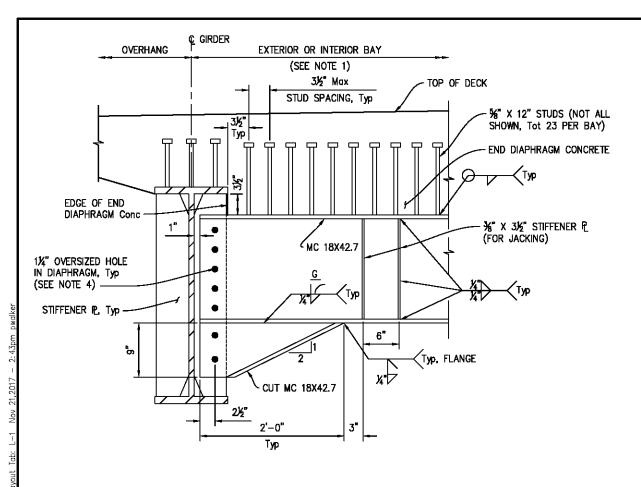
| LEFFREY L THOMURE | REGISTERED CIVIL ENGINEER | 06/30/2018 |
| DATE:

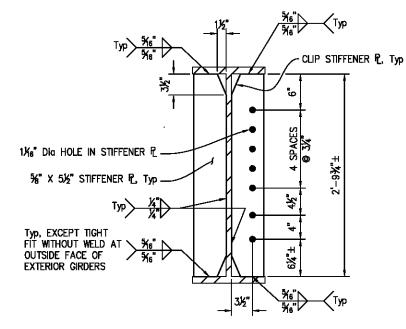


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT SERVICES
DEPARTMENT OF TRANSPORTATION

SILVER FORK ROAD AT SOUTH FORK AMERICAN RIVER
BRIDGE REHABILITATION
GIRDER LAYOUT

BRIDGE NO. 25C-0113
SHEET
ST-9
25 OF 30
W.G. No.
77124

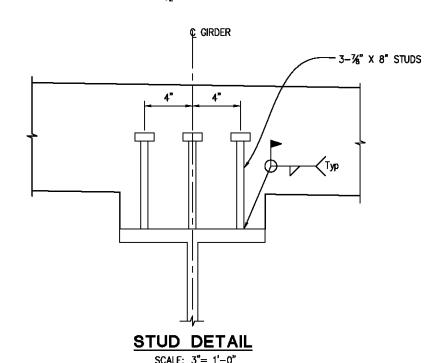




OVERHANG EXTERIOR OR INTERIOR BAY (SEE NOTE 1) TOP OF DECK MC 18X42.7 Typ (SEE NOTE 4) STIFFENER P. Typ CUT MC 18X42.7 Typ, FLANGE

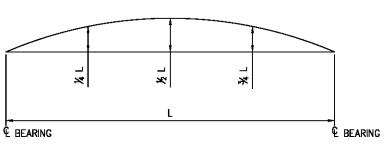
C GIRDER

SCALE: 1½"= 1'-0"



STIFFENER PLATE DETAIL

SCALE: 11/5"= 1'-0"



DEAD LOAD DEFLECTION DIAGRAM

NO SCALE (SEE NOTE 7)

SPAN LOCATION	DECK SLAB (ft)	GIRDER (ft)	SDL (ft)	TOTAL (ft)	FWS (ft)
1/4 L	0.042	0.011	0.004	0.056	0.007
1/2 L	0.059	0.016	0.005	0.080	0.010
3/4 L	0.042	0.011	0.004	0.056	0.007

DEAD LOAD DEFLECTION TABLE

INTERMEDIATE DIAPHRAGM

SCALE: 1兆"= 1'-0"

NOTES:

- 1. Exterior Girders shown, Interior Girders similar and symmetric.
- Welds between Steel Girder and Stiffener Plate may be shop welds or field welds per Contractor's preference. Weld between studs and girder top flanges shall be field welds.
- 3. Welds shall terminate 14" from edge of Stiffener Plate, Typ all locations.
- 4. Use 1" Dia high strength A325 bolts to connect MC 18X42.7 to Stiffener Plate.
- 5. AASHTO Class B paint coating required for base metal near bolts.
- 6. See "GIRDER LAYOUT" sheet for Diaphragm locations.
- 7. The "DEAD LOAD DEFLECTION TABLE" is provided for information only. Based on the preliminary survey by the County, it appears that the girders were originally fabricated level (i.e. without any camber). The Contractor shall survey the profile elevation of the girders after removal of the existing deck and barriers. The actual girder buildup shall be based on the "DEAD LOAD DEFLECTION DIAGRAM" and Contractor's field survey data to ensure the final profile grade shown in the Contract Plans is achieved.
- Top surface of top flanges shall not be painted with undercoat nor final coat in vicinity of studs until after studs are welded and tested in accordance with AWS Bridge Welding Code D1.5 requirements (Section 7).
- Studs shall not be painted and bare metal shall be maintained other than incidental paint applied to base of studs.
- Bolts and bolt holes shall be painted in accordance with the project specifications and Special Provisions.

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PREPARED UNDER THE SUPERVISION OF :

JEFFREY L. THOMURE

REGISTERED CIVIL ENGINEER

06/30/2018

DATE:

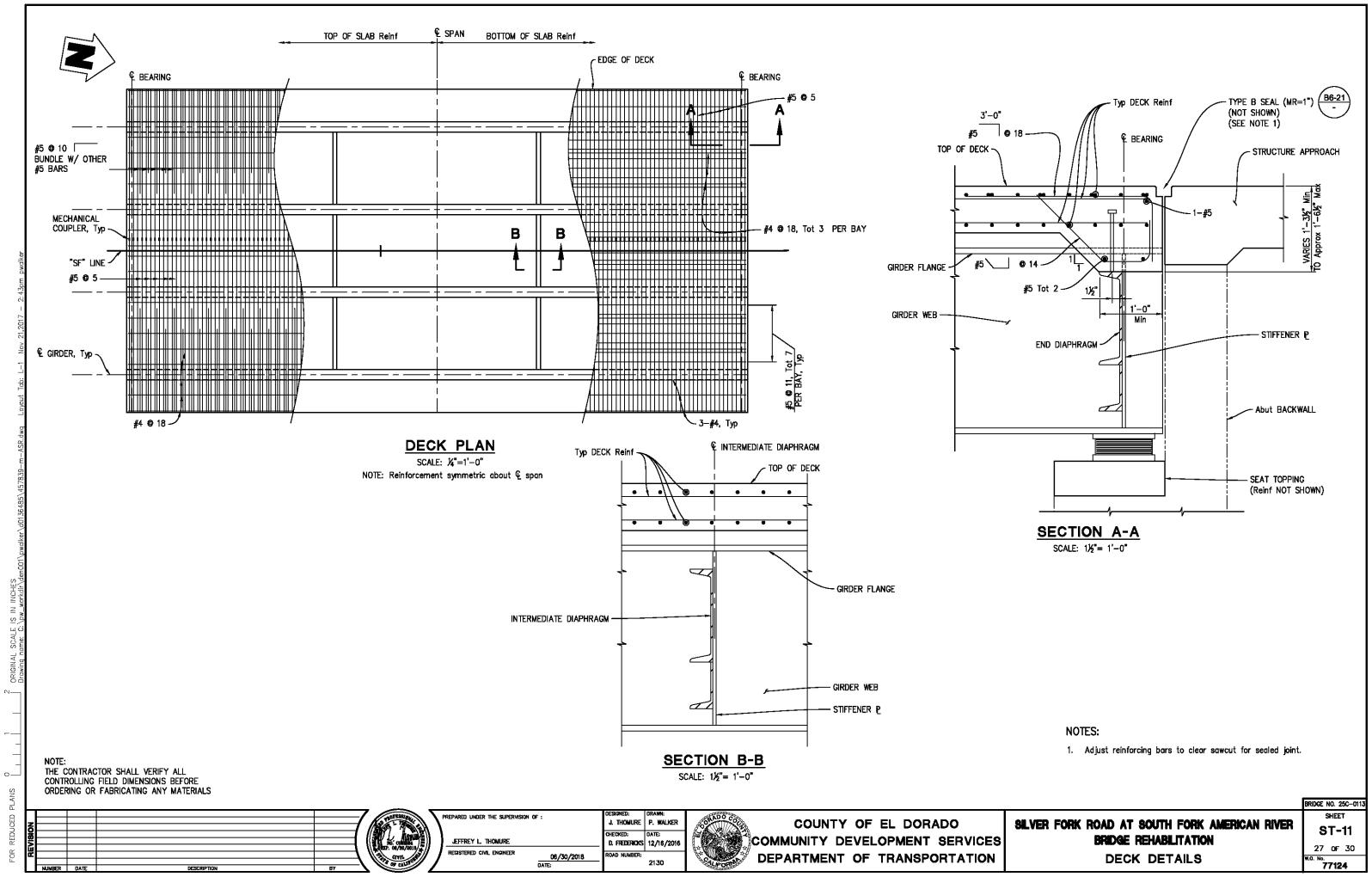
J. THOMURE
P. WALKER
CHECKED:
D. FREDERIONS
ROAD NUMBER:
2130

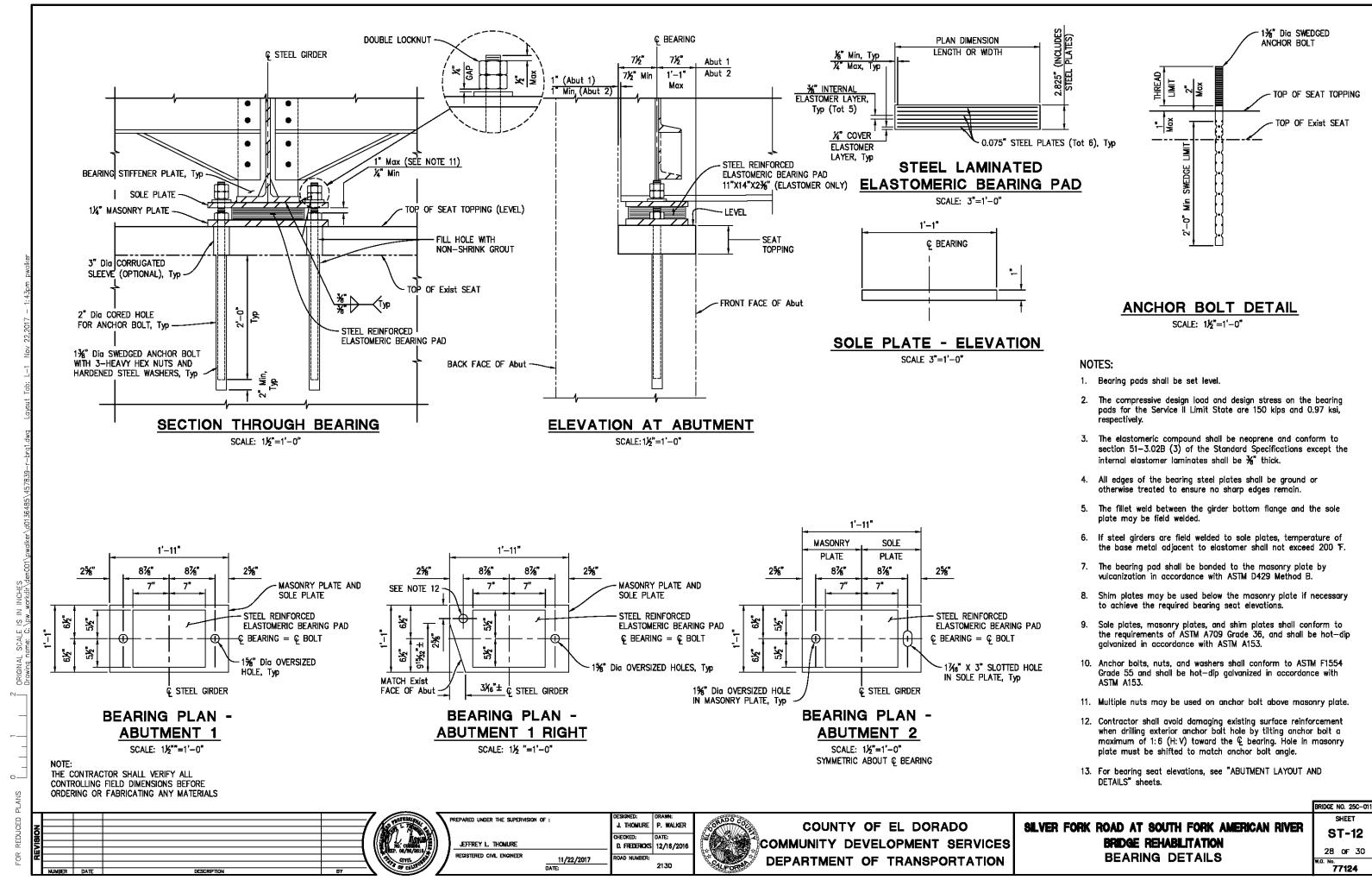


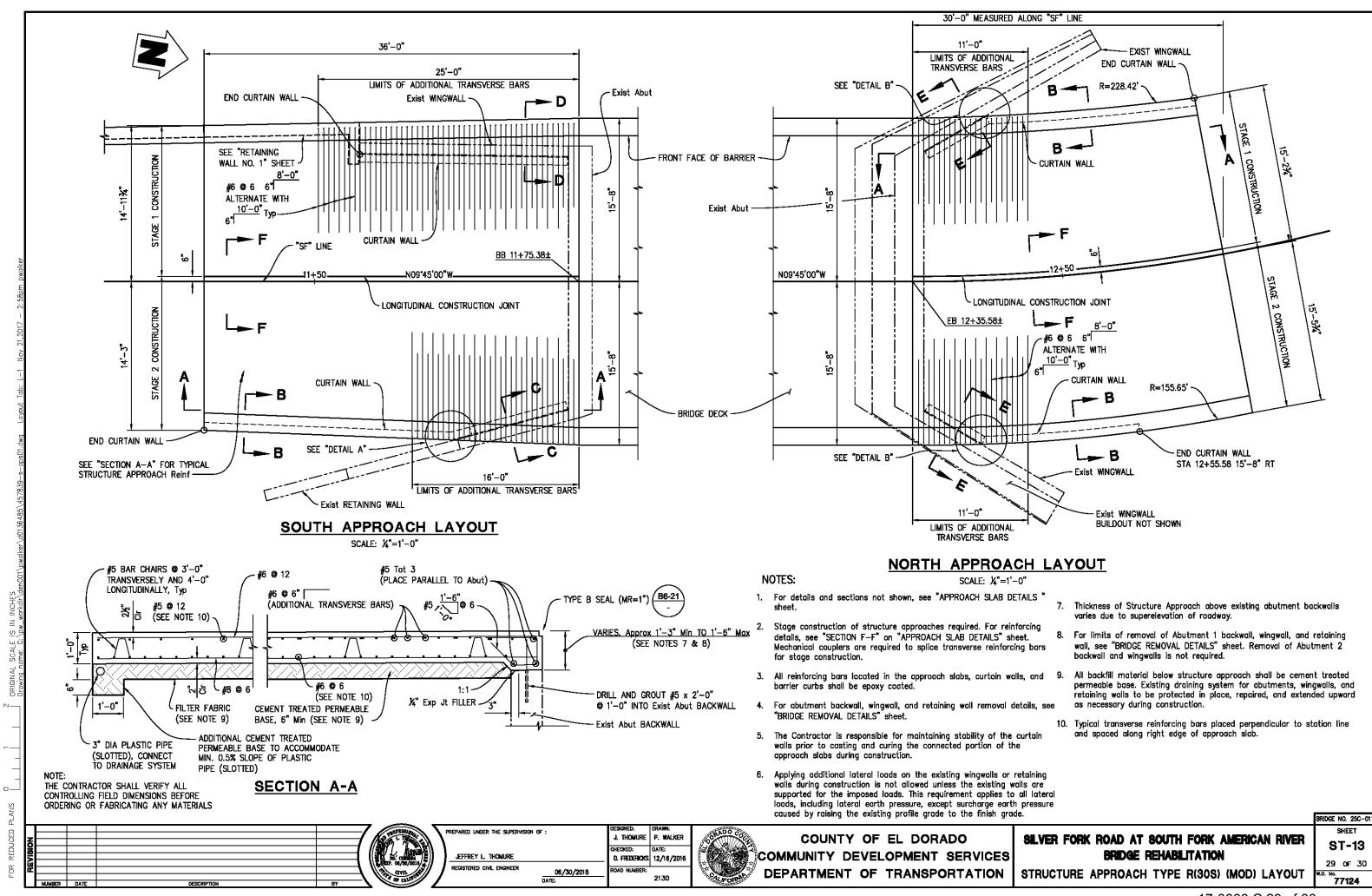
COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT SERVICES
DEPARTMENT OF TRANSPORTATION

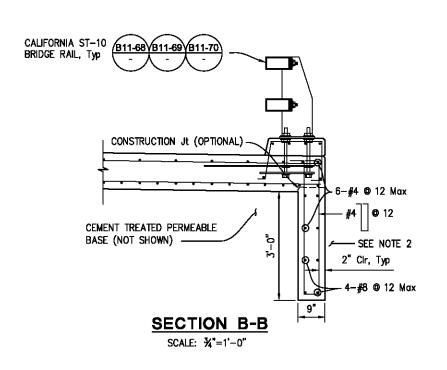
SILVER FORK ROAD AT SOUTH FORK AMERICAN RIVER
BRIDGE REHABILITATION
GIRDER DETAILS

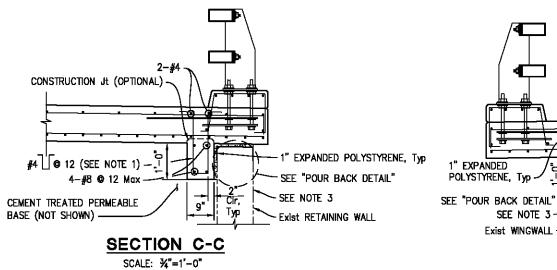
BRIDGE NO. 25C-0113
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W.O. No.
77124

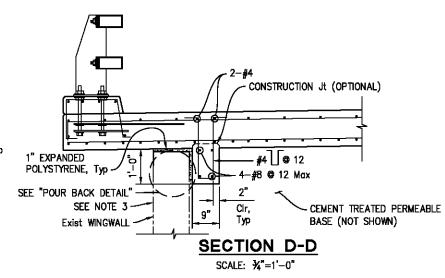


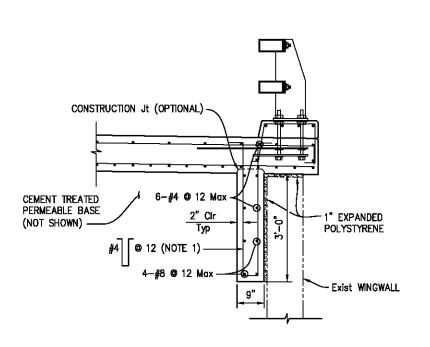






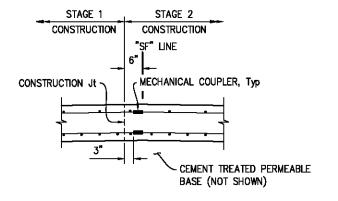


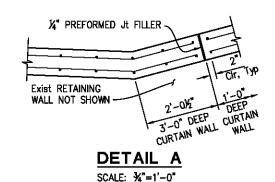


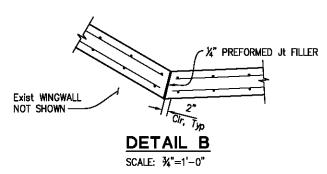




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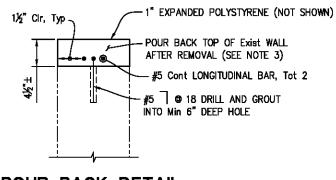




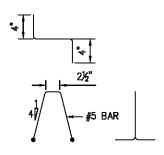
(Right Curtain Wall shown, Left Curtain Wall similar)

SECTION F-F

SCALE: ¾"=1'-0"

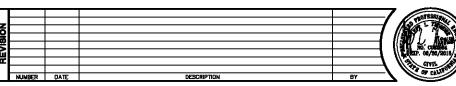


POUR BACK DETAIL SCALE: 1½"=1'-0"



BAR CHAIR DETAIL SCALE: 11/2"=1'-0"

- 1. Turn #4 [] hooks inward as needed to fit in Structure Approach.
- Section B-B shown for typical curtain wall not adjacent to existing wall. Where curtain wall is located next to existing retaining wall, details in Section C—C apply, including 1" expanded polystyrene and removal and "POUR BACK DETAIL" for existing wall as applicable.
- 3. For limits of removal of Abutment 1 backwall, wingwall, and retaining wall, see "BRIDGE REMOVAL DETAILS" sheet. Removal of Abutment 2 backwall and wingwalls is not required.
- 4. For additional notes, see "STRUCTURE APPROACH TYPE R(30S) (MOD) LAYOUT" sheet.
- 5. Ferrule Loop inserts not shown. See Notes 12 thru 14 on "STAGE CONSTRUCTION AND TYPICAL SECTION" sheet for details.





PREPARED UNDER THE SUPERVISION OF : J. THOMURE P. WALKER JEFFREY L. THOMURE D. FREDERICKS 12/16/2016 06/30/2018 DATE:



COUNTY OF EL DORADO COMMUNITY DEVELOPMENT SERVICES DEPARTMENT OF TRANSPORTATION

SILVER FORK ROAD AT SOUTH FORK AMERICAN RIVER BRIDGE REHABILITATION APPROACH SLAB DETAILS

BRIDGE NO. 25C-01 SHEET ST-14 30 OF 30 77124