ROUTE POST MILES SHEET TOTAL TOTAL PROJECT No. SHEETS REGISTERED CIVIL ENGINEER Mohan V. Bonald September 20, 2024 PLANS APPROVAL DATE C63046 €×p. 6-30-26 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING							
	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)			MAXIMUM CHANNELIZING DEVICE SPACING			
SPEED				Х	Y	z **	
(S)	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	TAPER	TANGENT	CONFLICT
mph	ft	ft	f†	f†	f†	f†	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	50	100	25
60	1440	720	360	240	50	100	25
65	1560	780	390	260	50	100	25
70	1680	840	420	280	50	100	25
75	1800	900	450	300	50	100	25

* - For other offsets, use the following merging taper length formula for For speed of 40 mph or less, L = $WS^2/60$ For speed of 45 mph or more, L = WS

Where: L = Taper length in feet

320

W = Width of offset in feet

S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipate operating speed in mph

** - Use for taper and tangent sections where there are no payement markings or there is a conflict between existing payement markings and channelizers (CA)

TABLE 2

LONGITUDINA			
FLAGGER	STATION	SPACING	;
	DOW	GRADE Min	n *

		DOWNGRADE Min D ***		
SPEED *	Min D **	-3%	-6%	-9%
mph	ft	ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891
75	820	866	927	1003

- Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph
- ** Longitudinal buffer space or flagger station spacing
- *** Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

TABLE 3

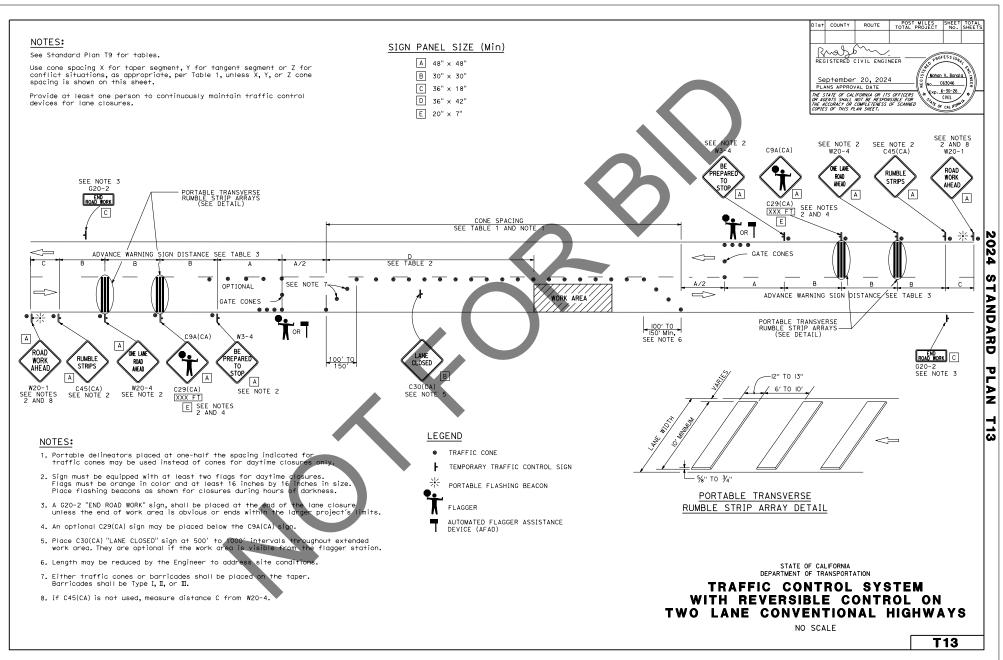
ADVANCE WARNING SIGN SPACING			
	DISTANCE BETWEEN SIGNS*		
ROAD TYPE	Α	В	С
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

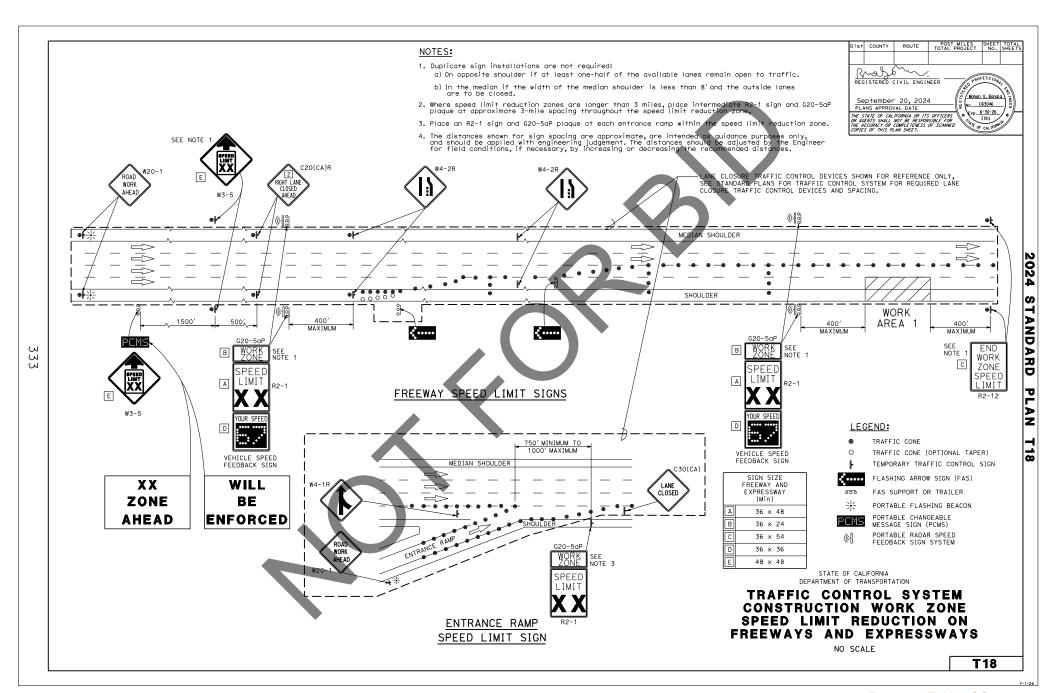
 \star - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommmended distances.

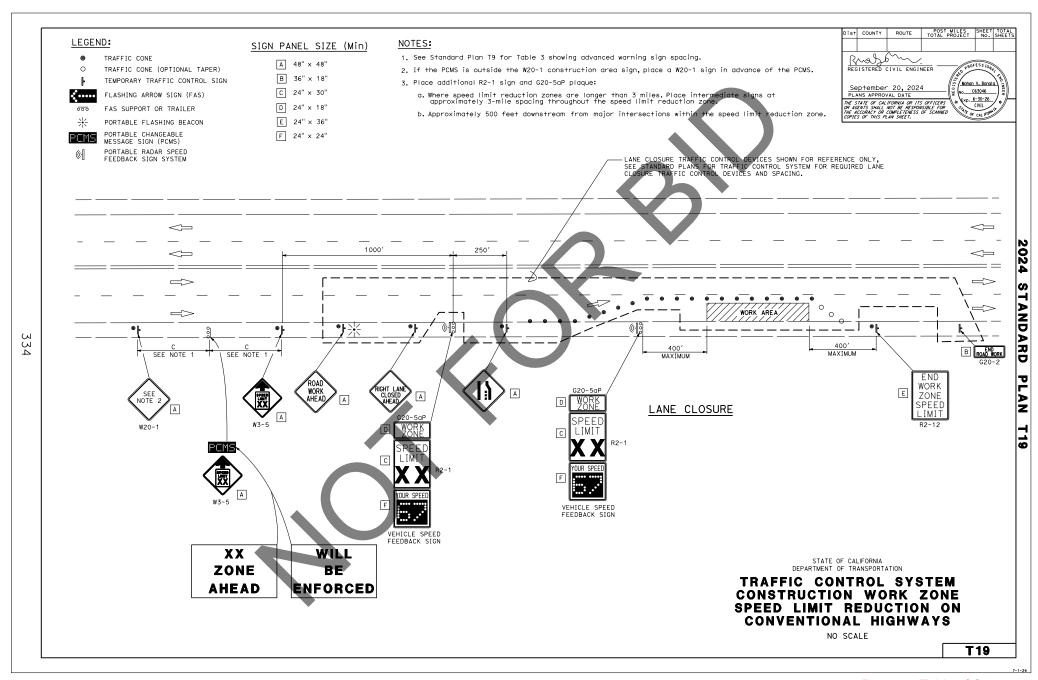
> STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

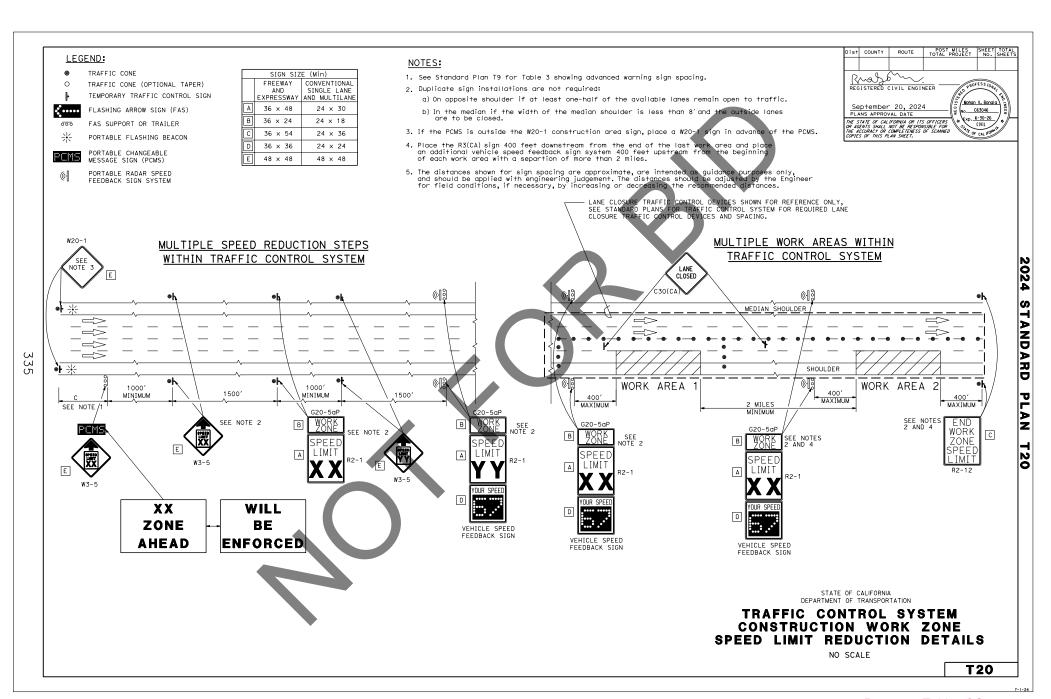
TRAFFIC CONTROL SYSTEM TABLES FOR LANE AND RAMP CLOSURES

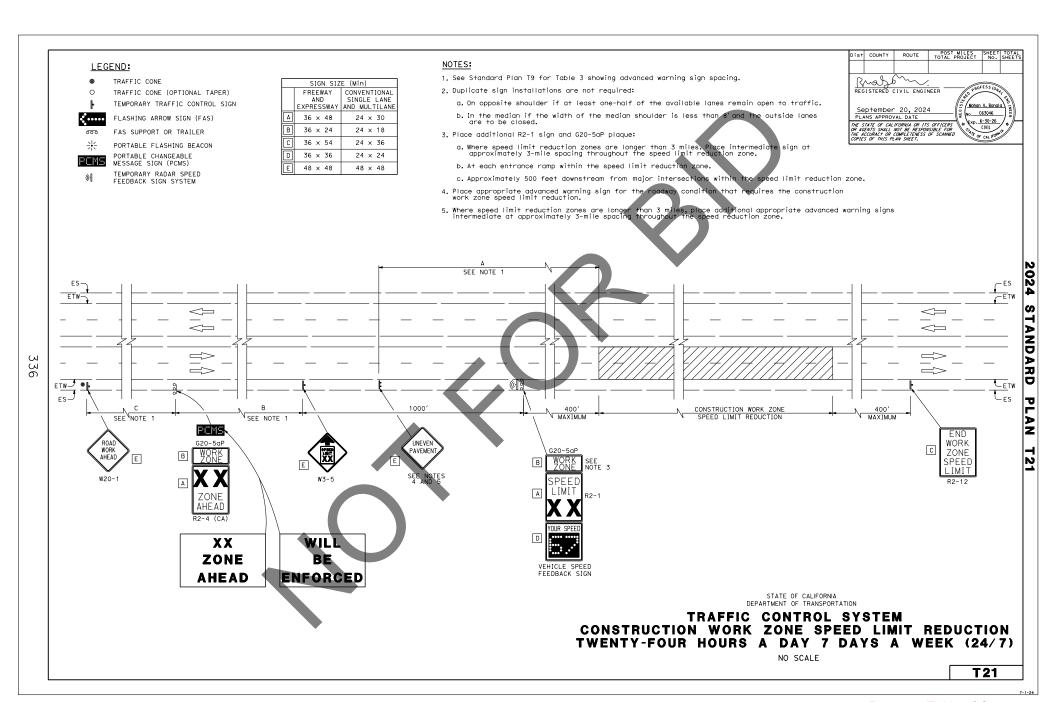
T9

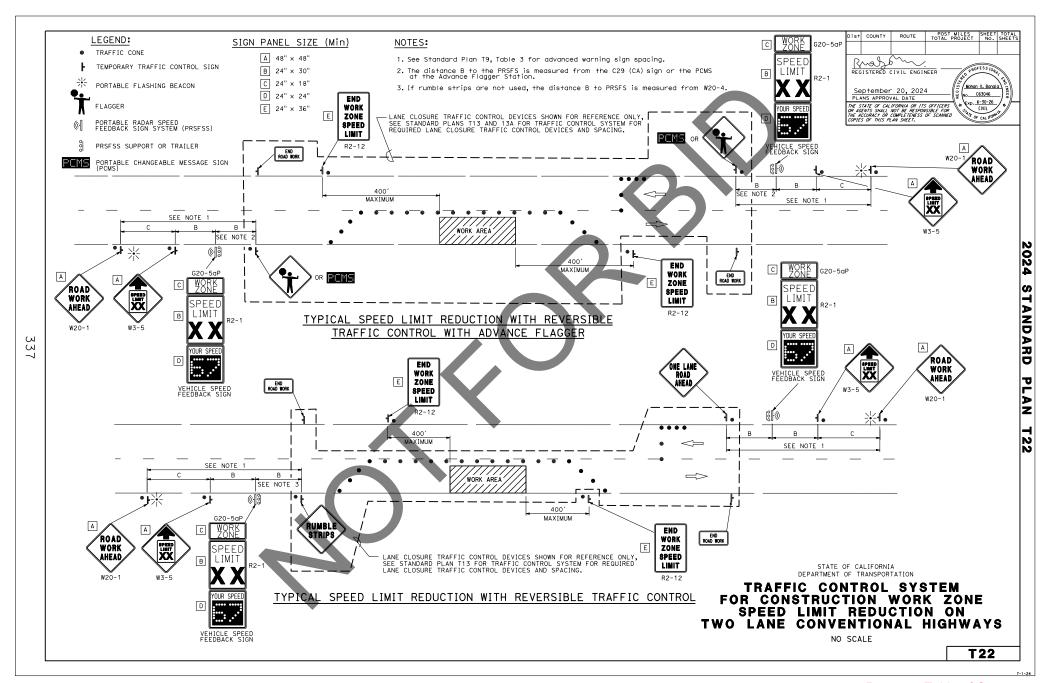




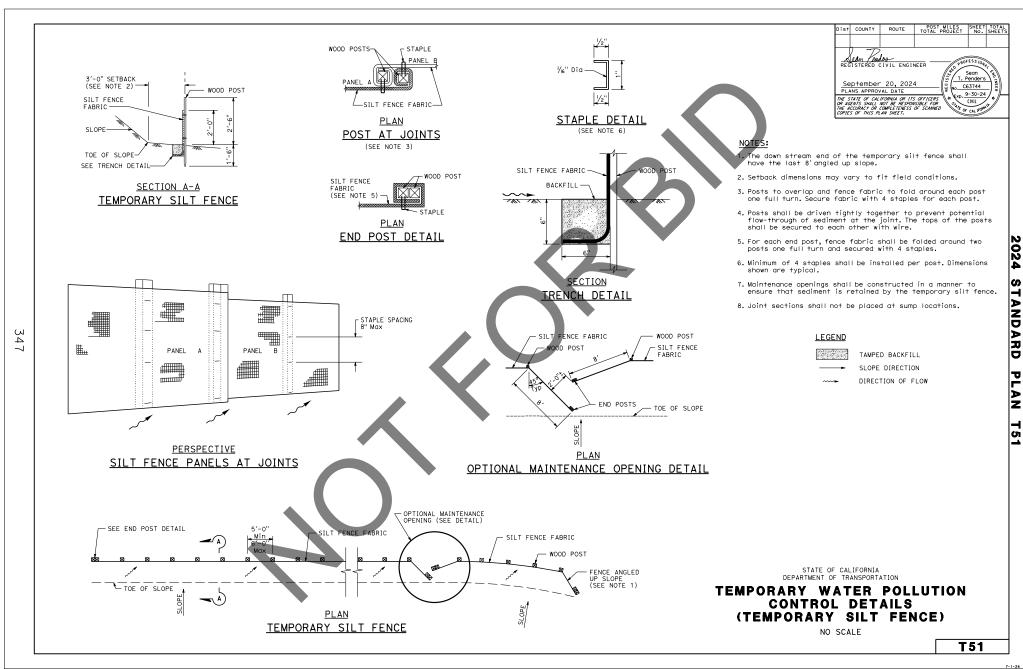


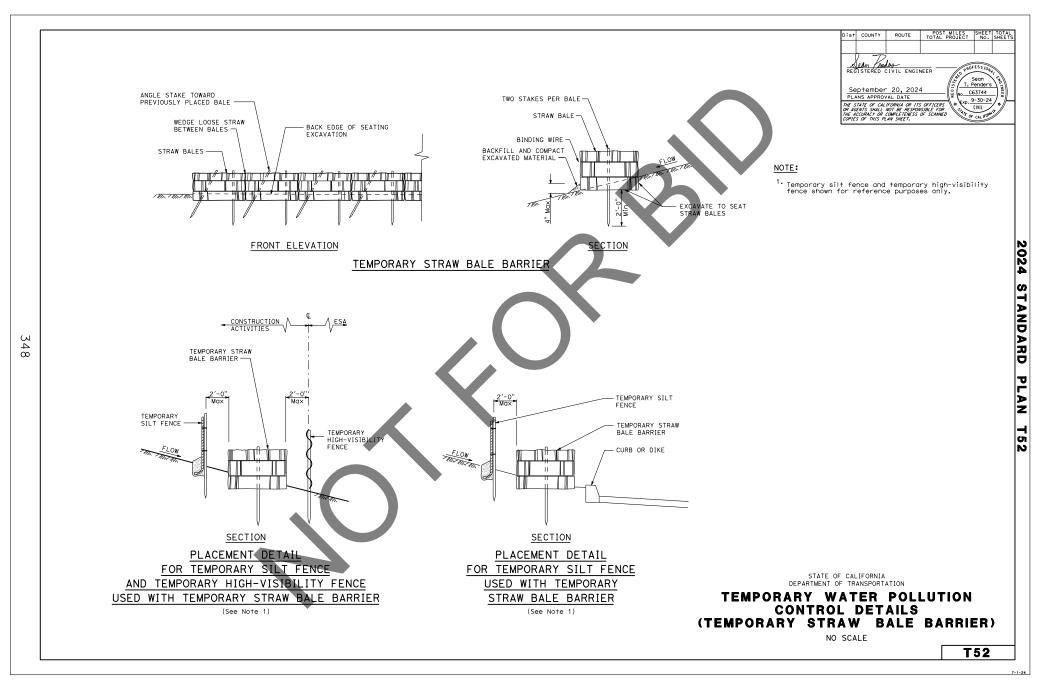


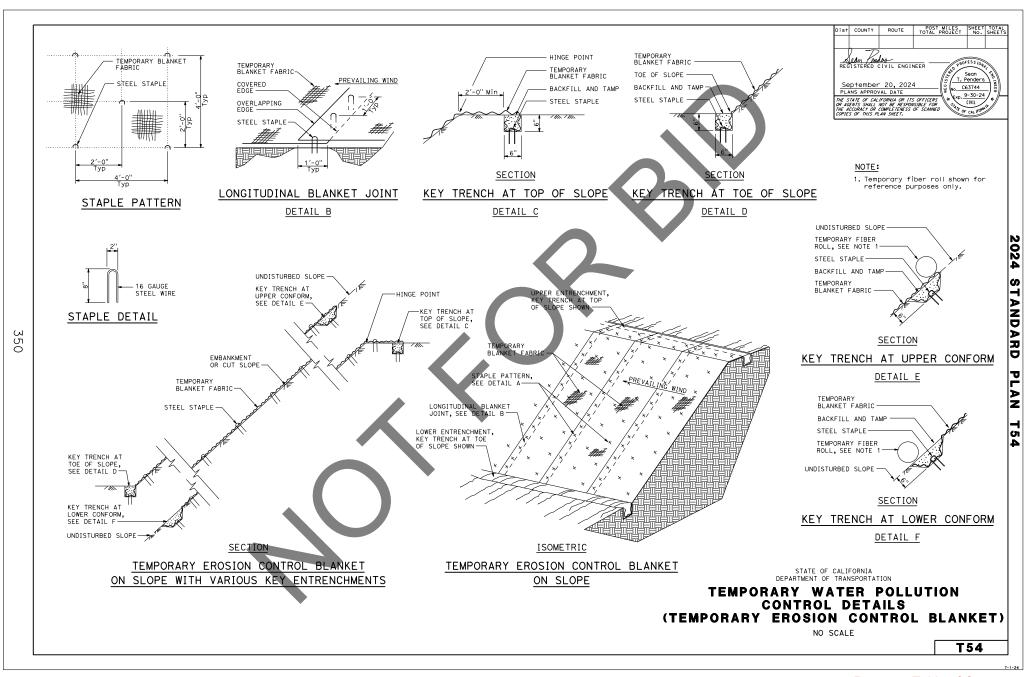


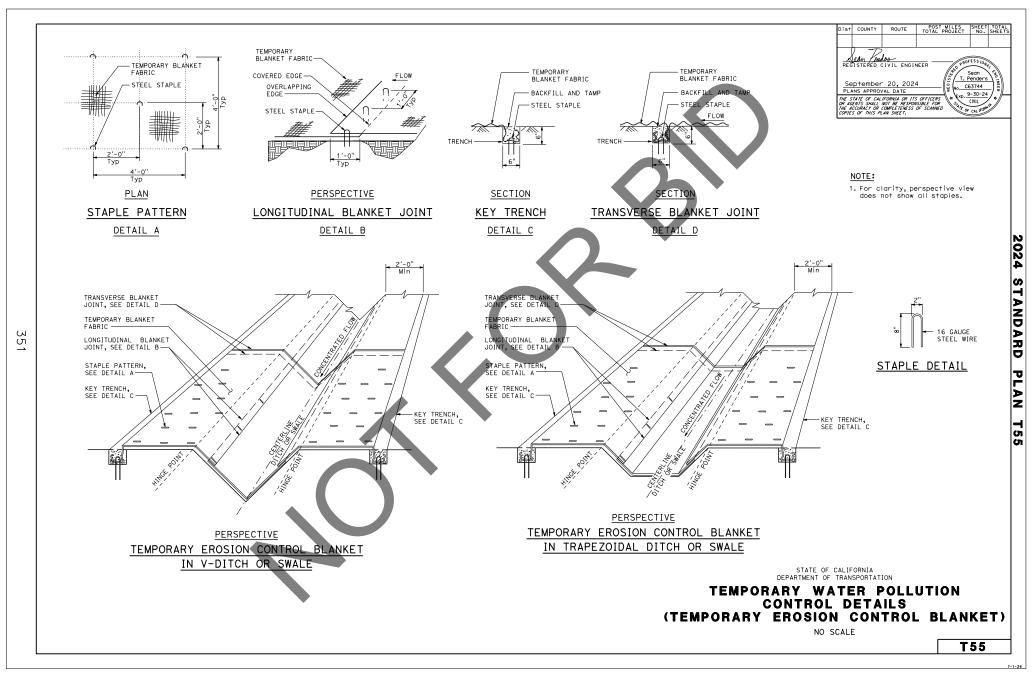


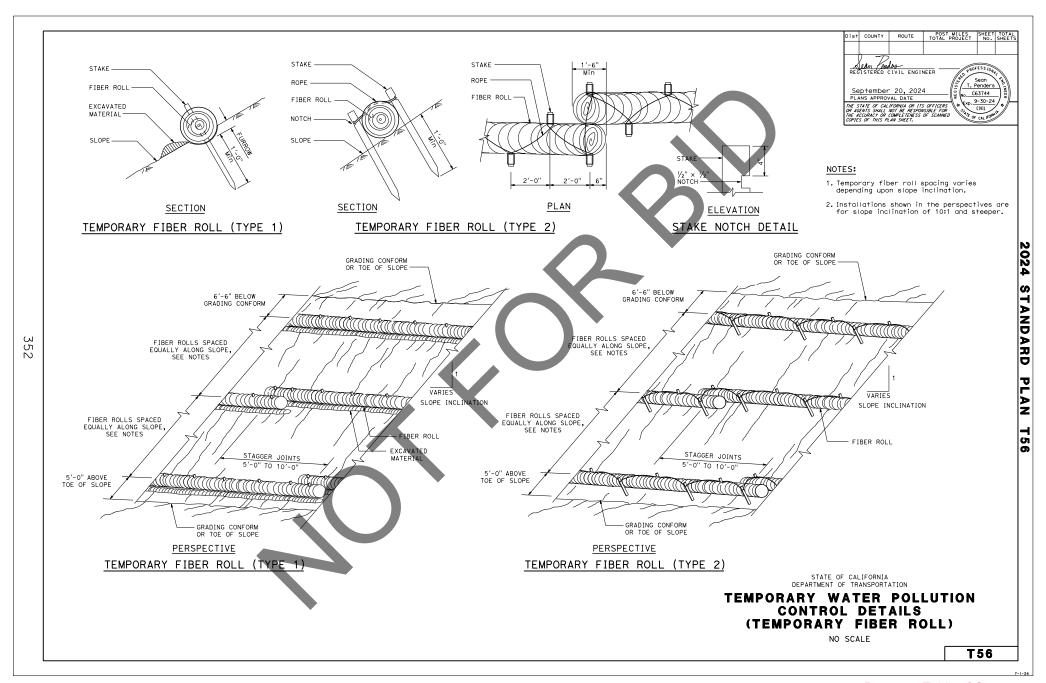


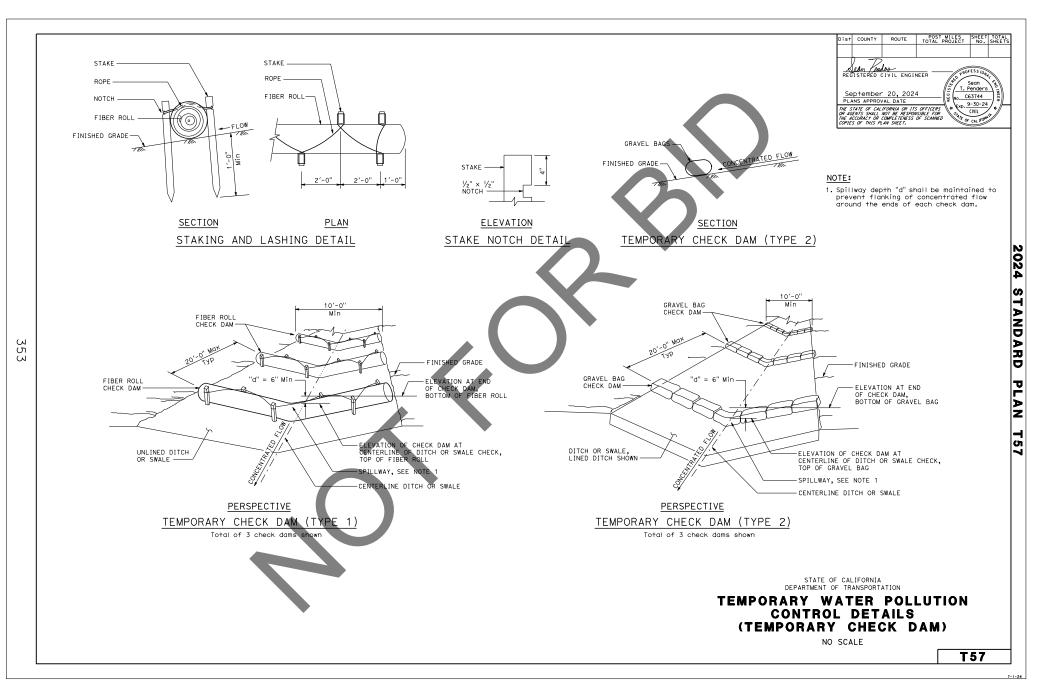


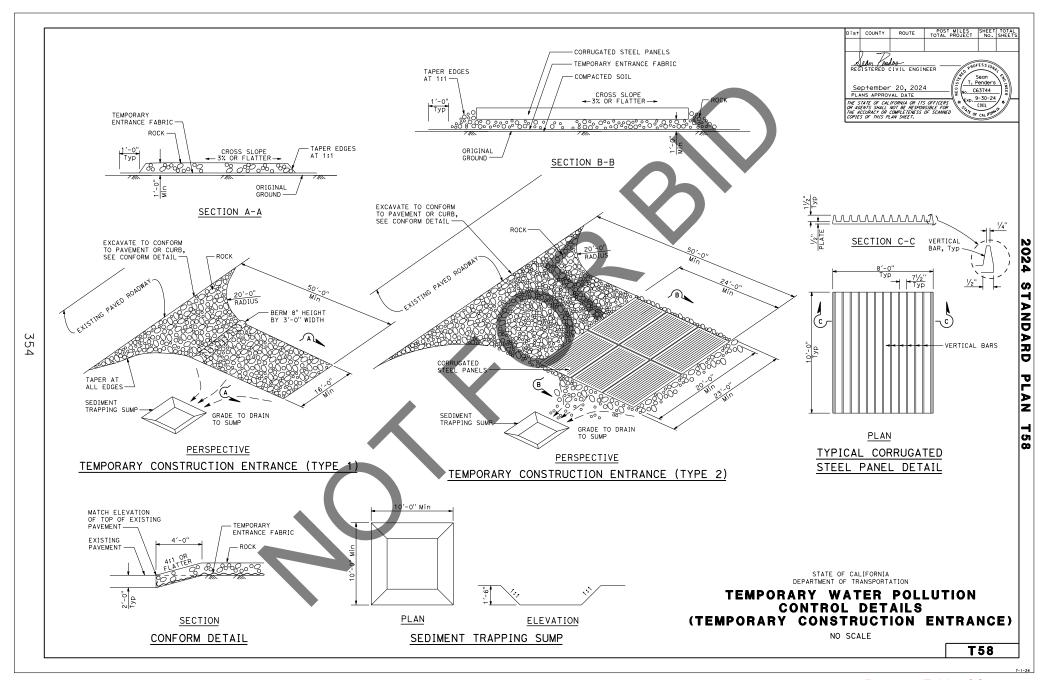


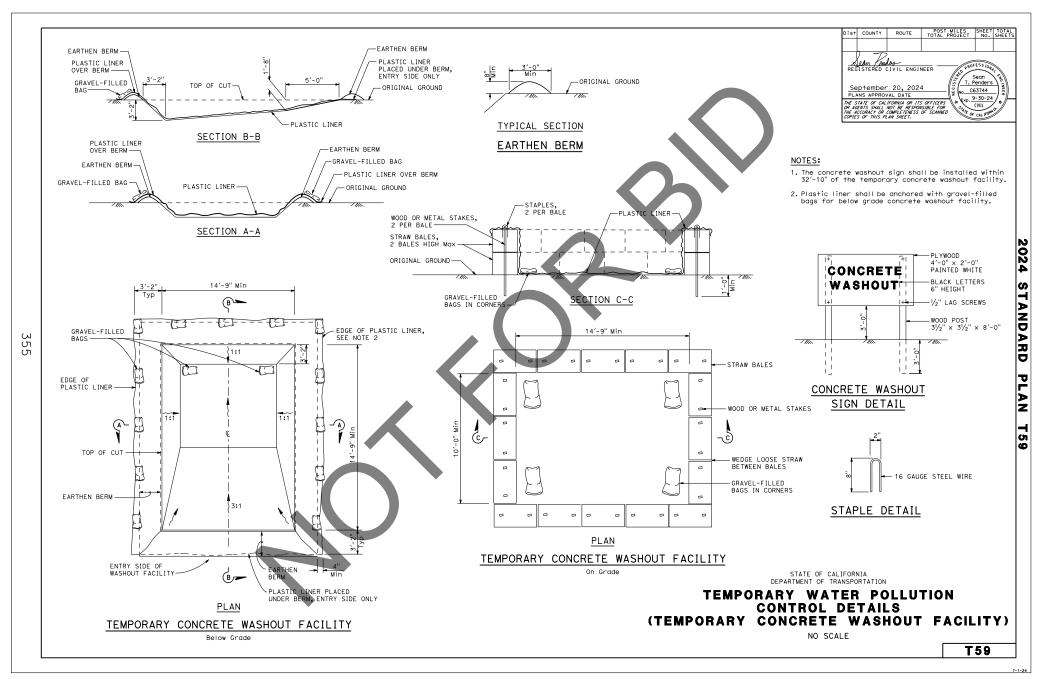


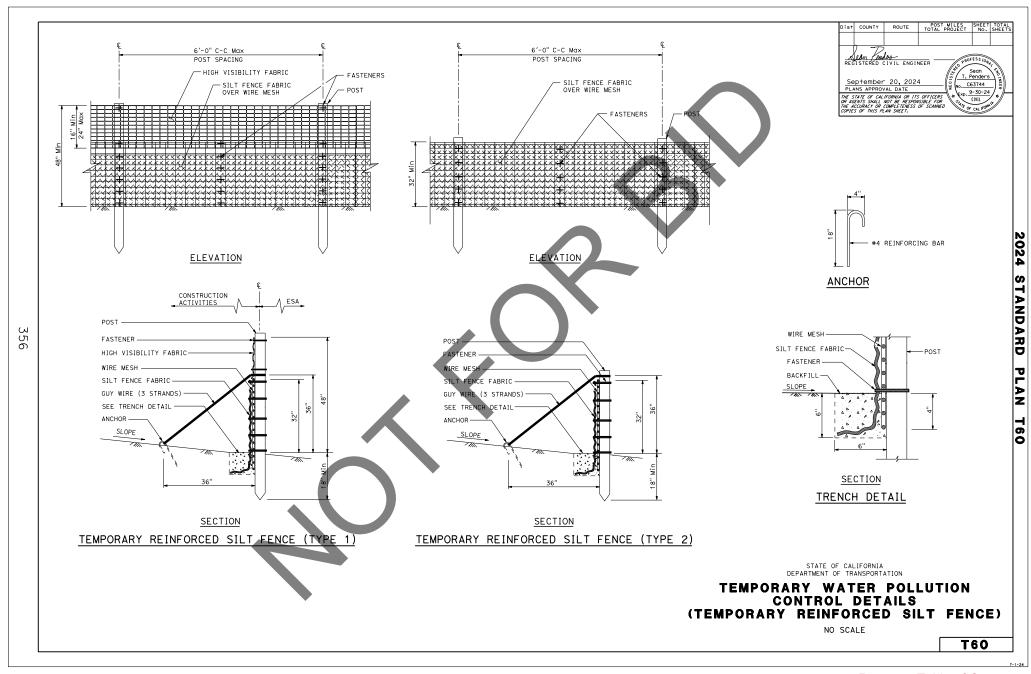


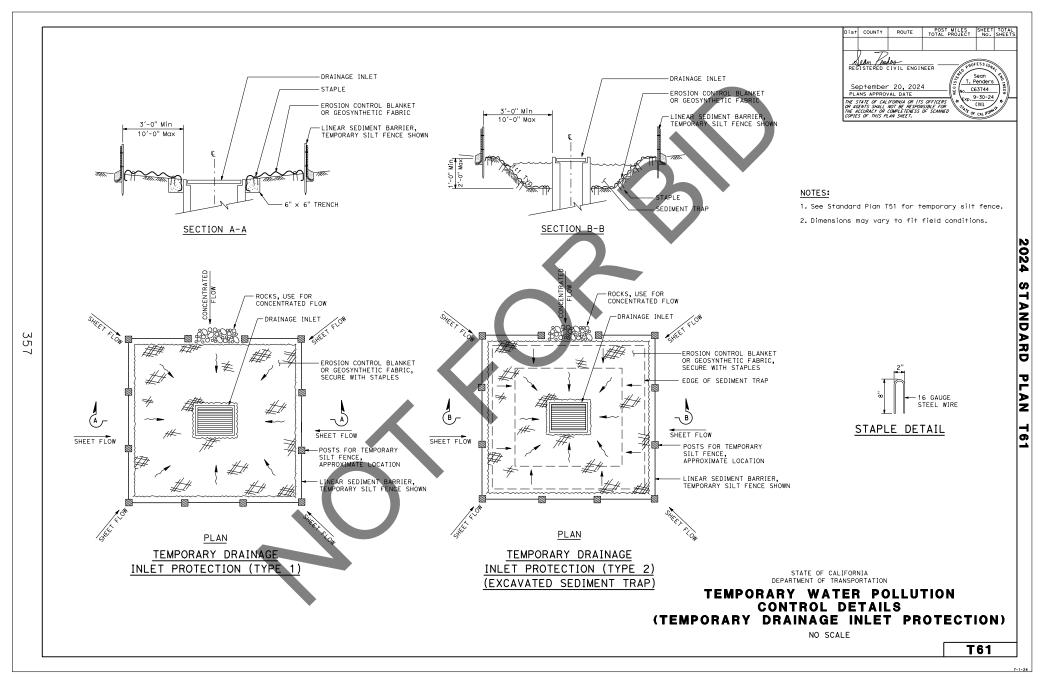


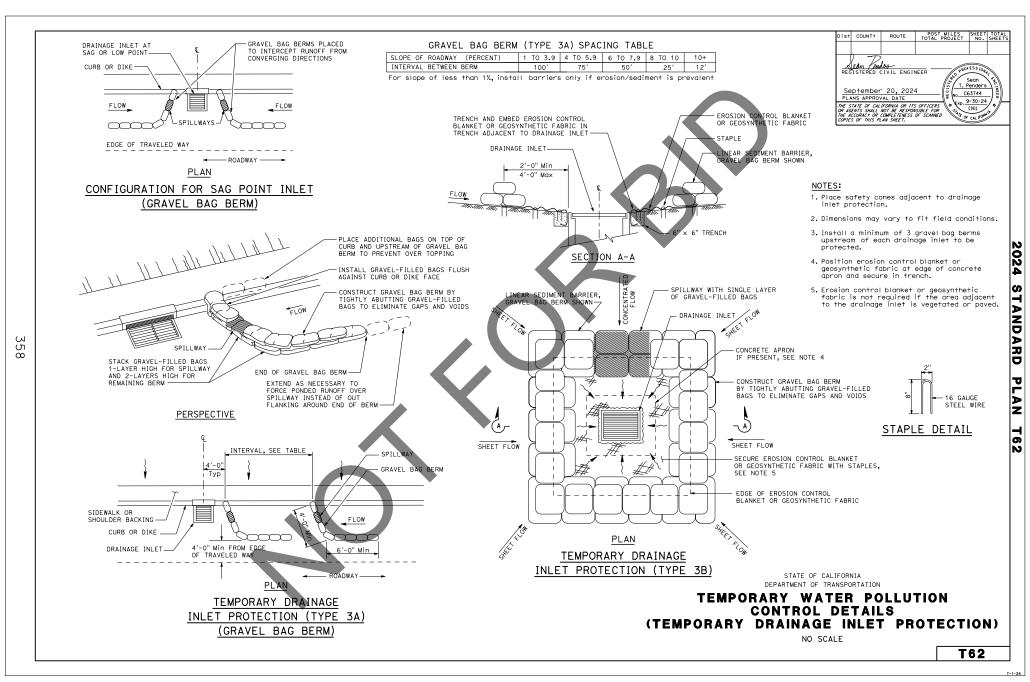


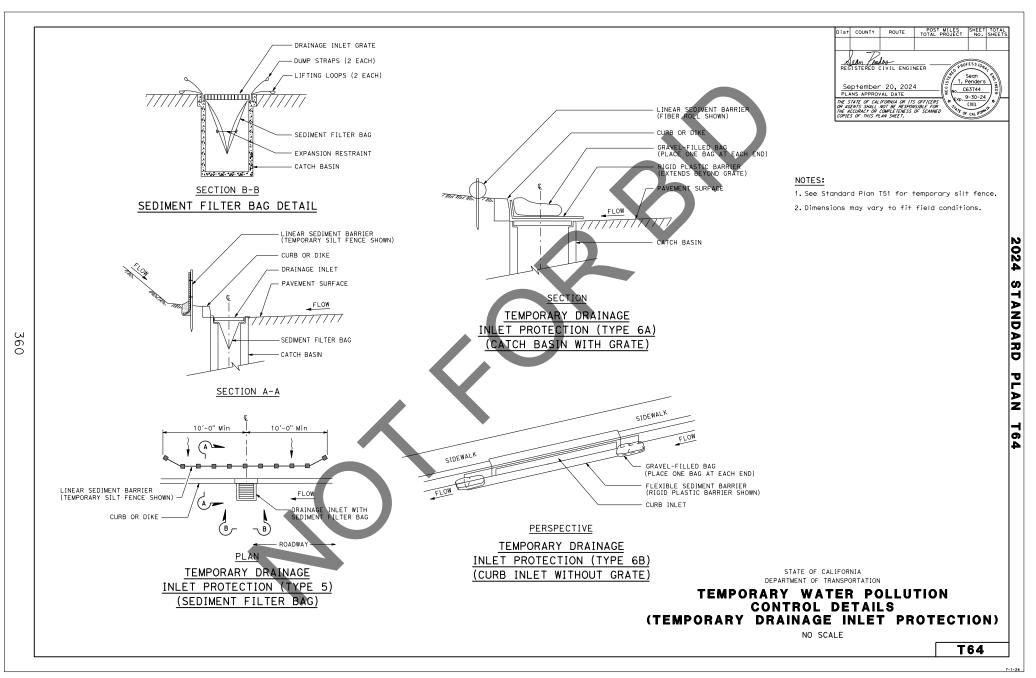


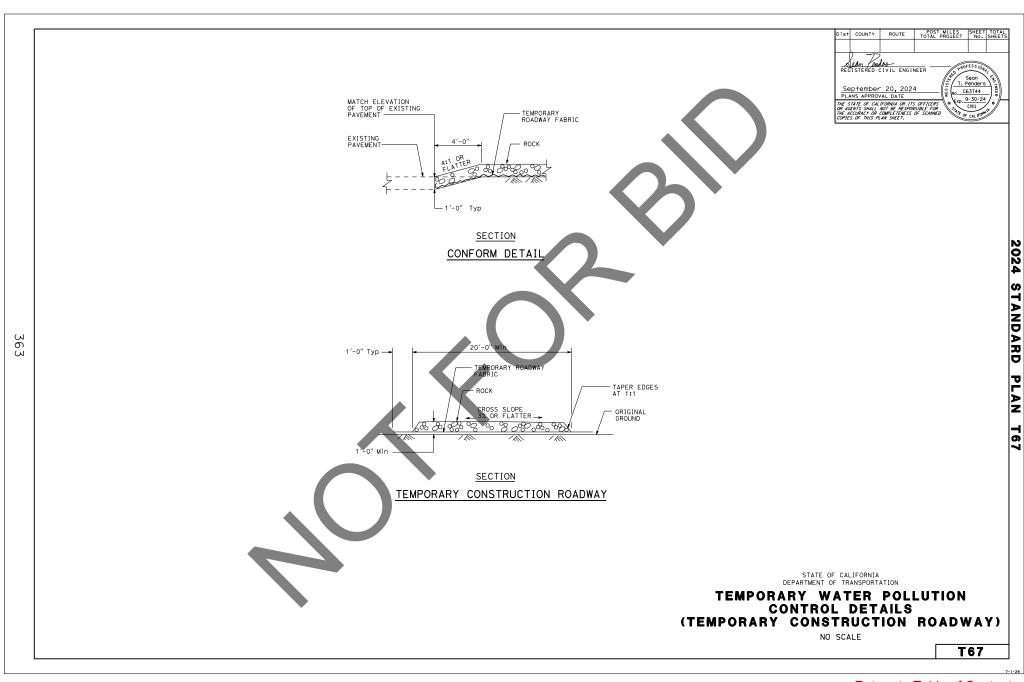


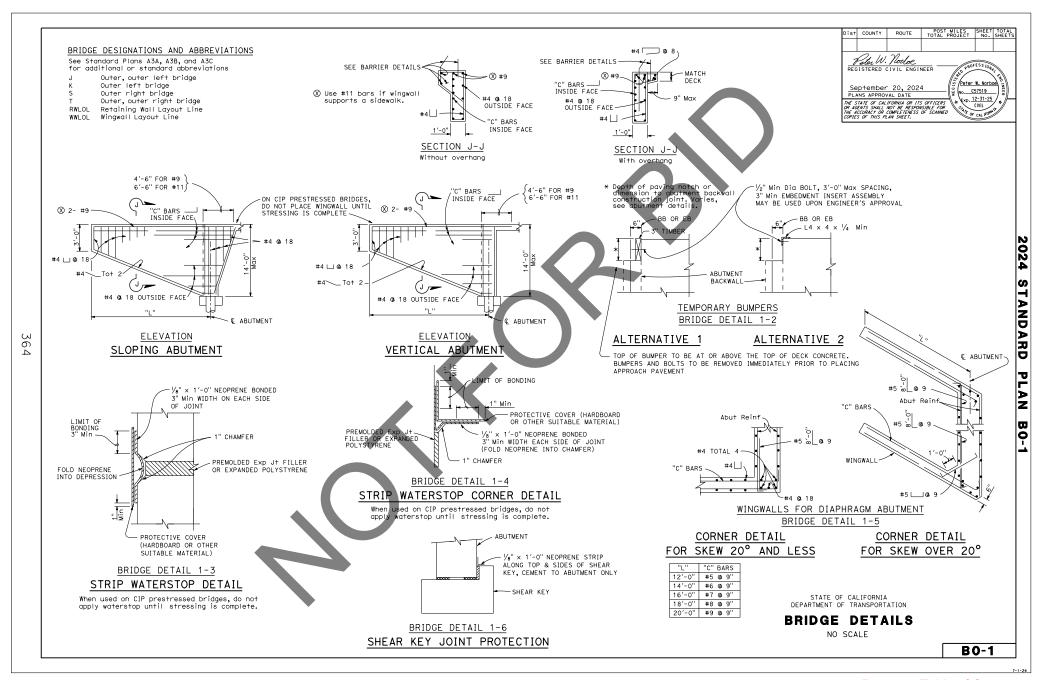


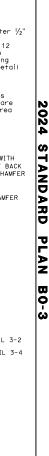


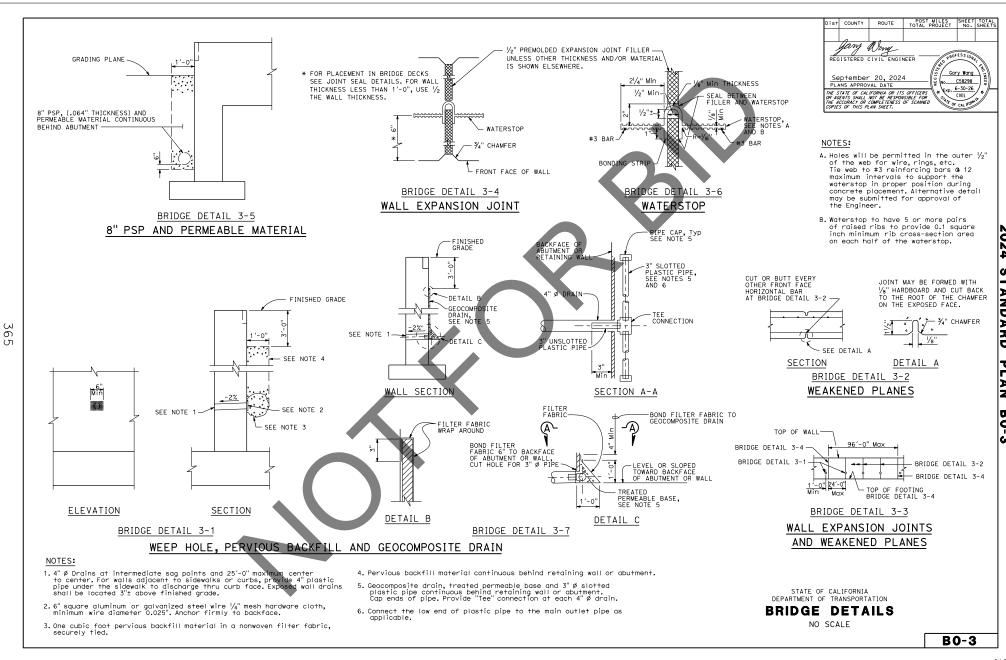


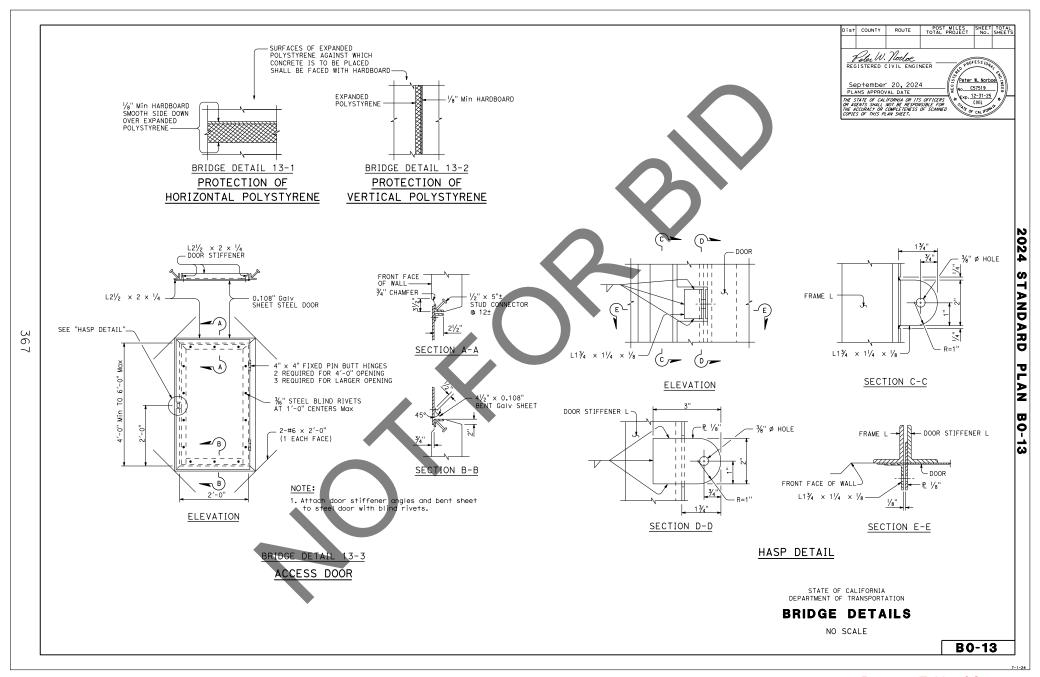


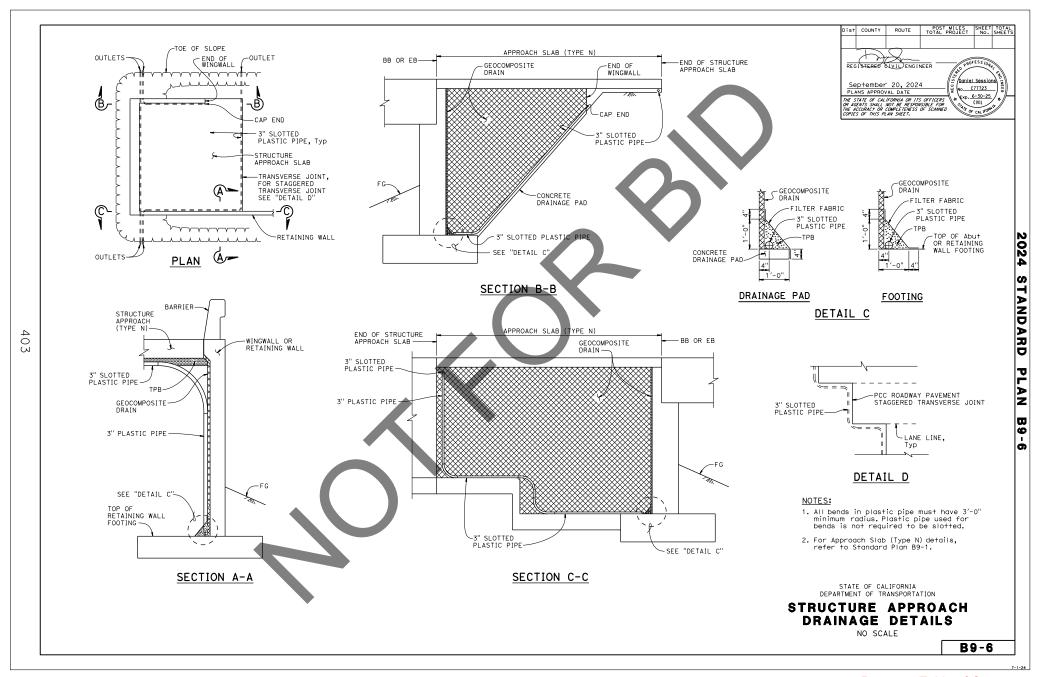


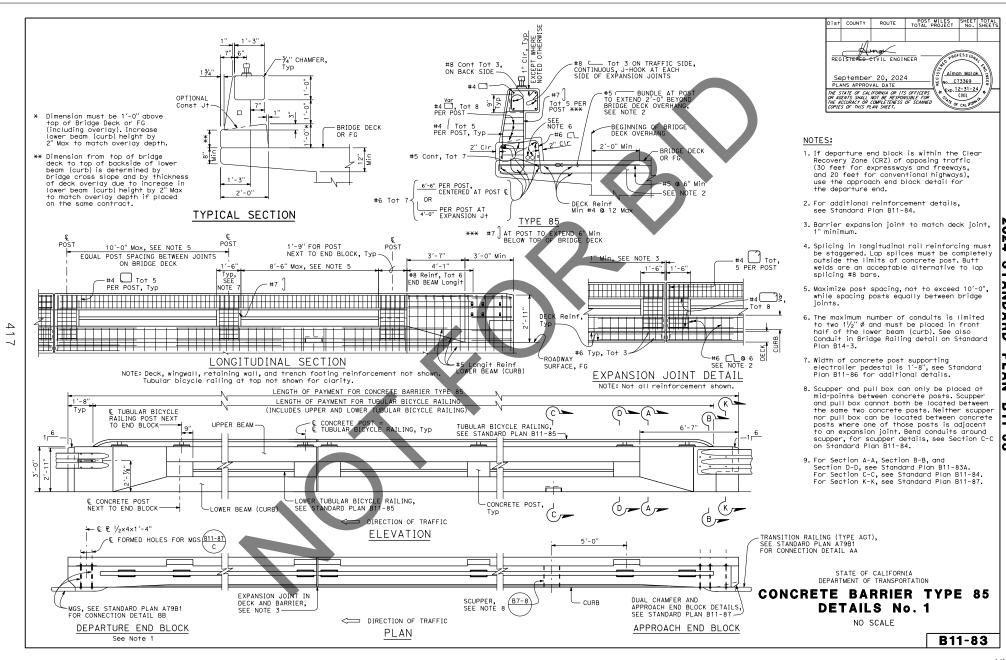


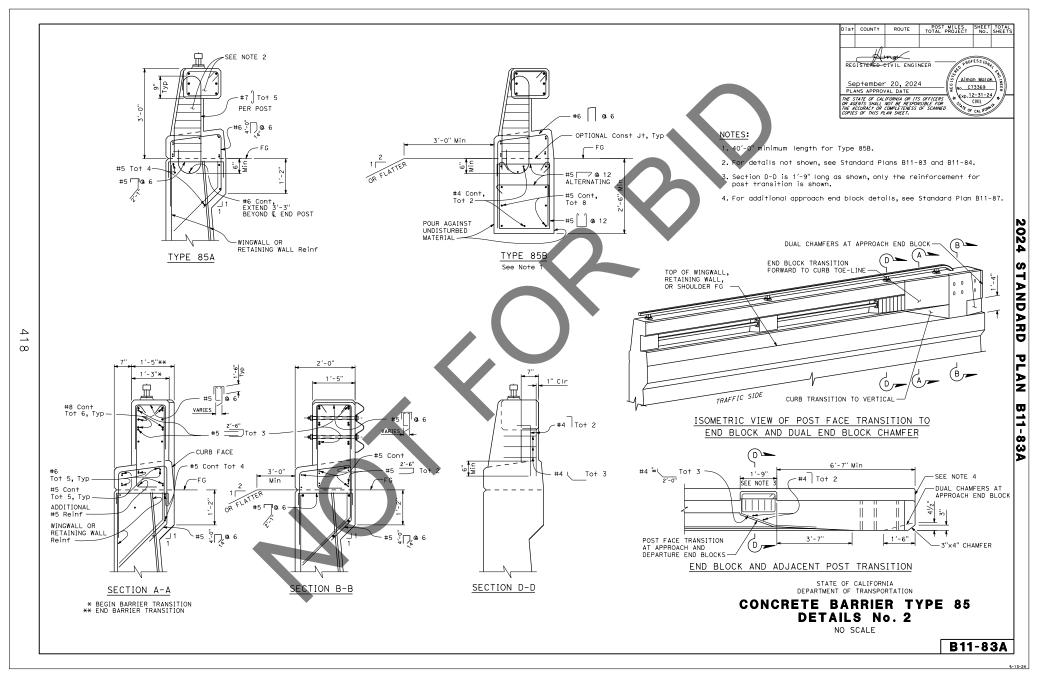


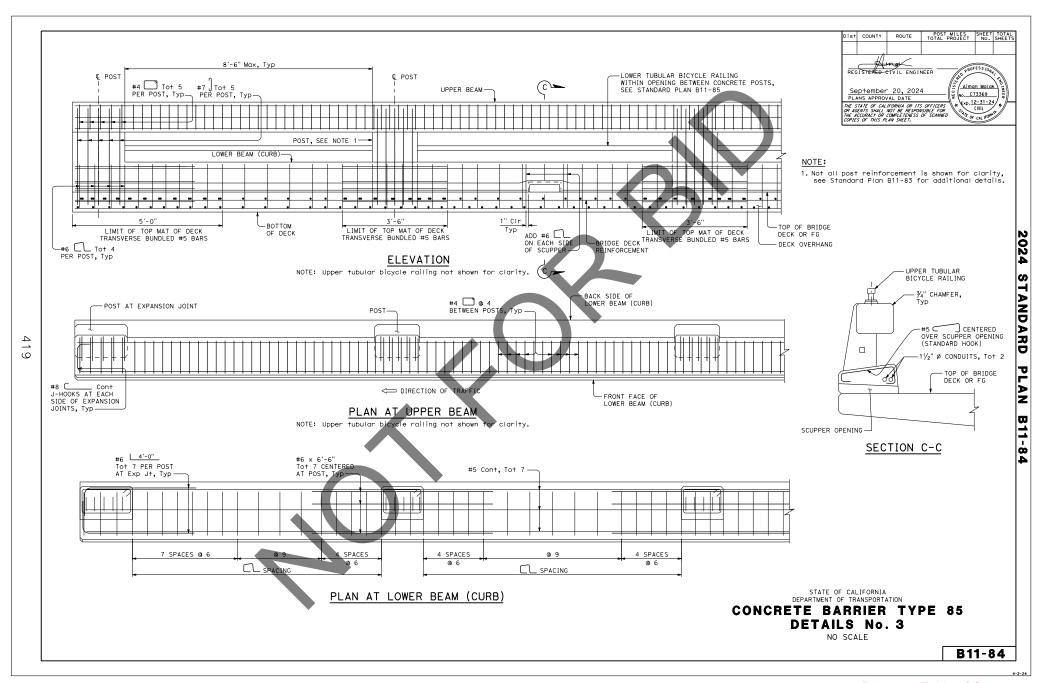


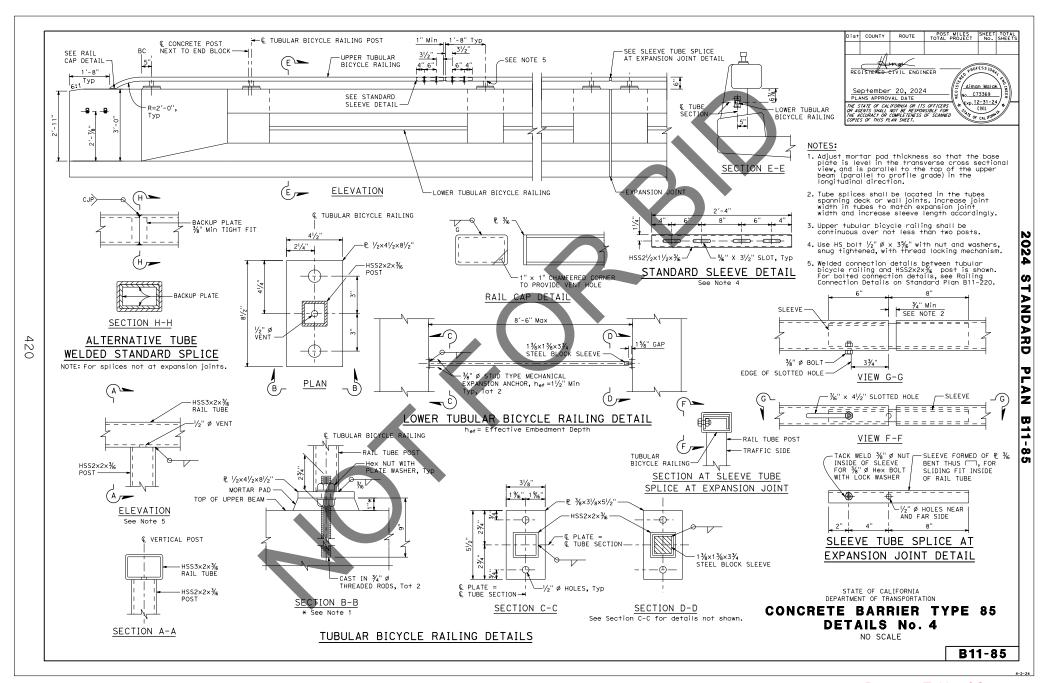


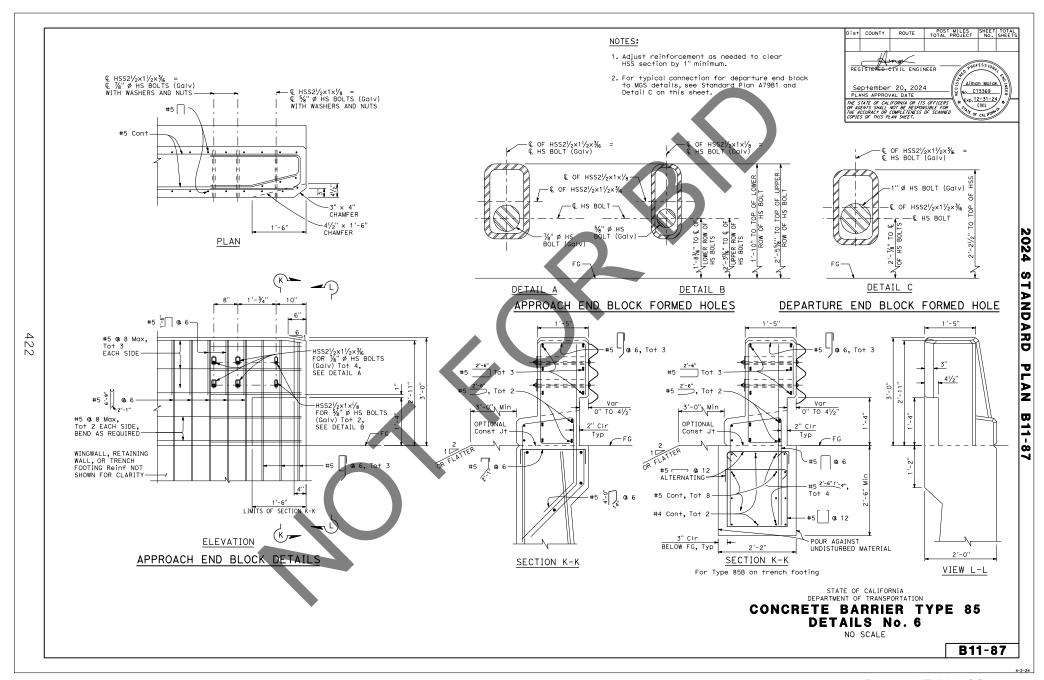


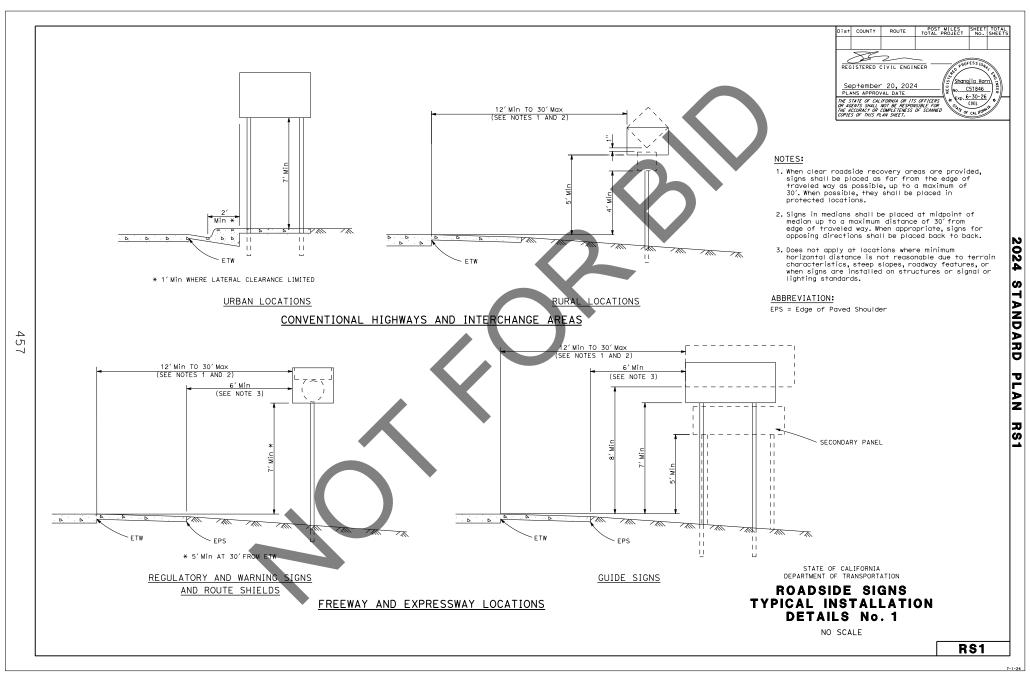


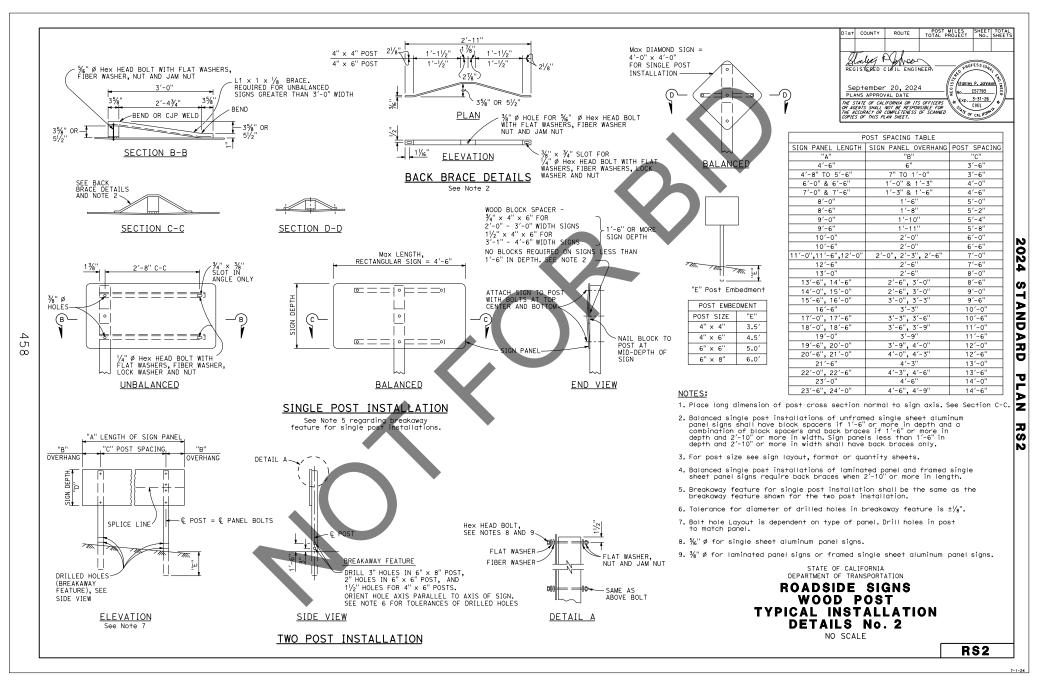


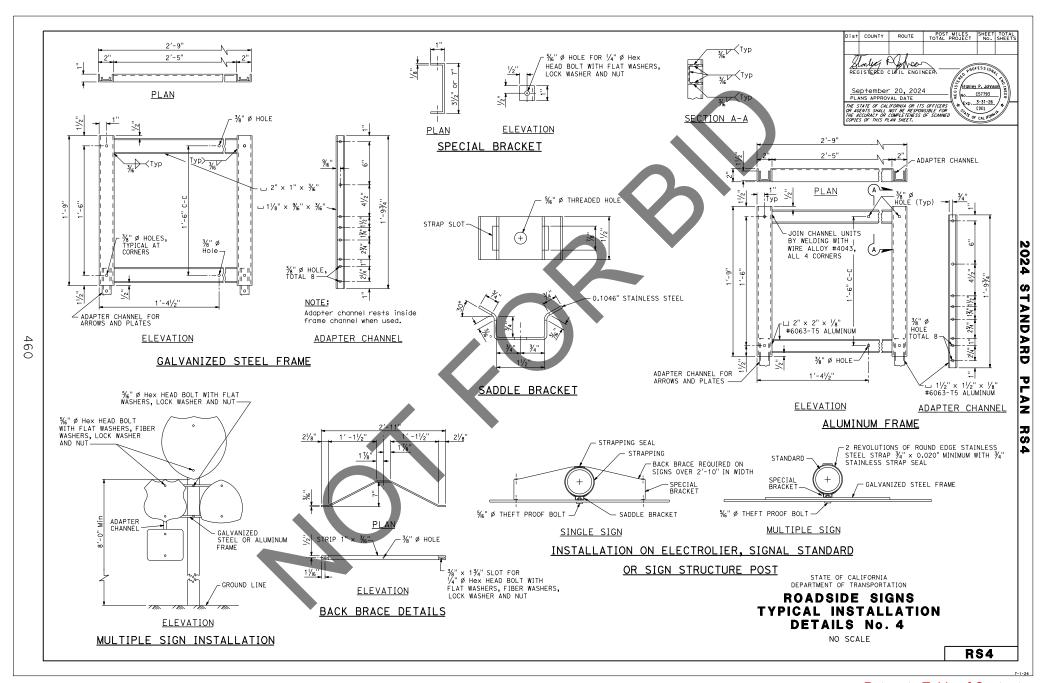








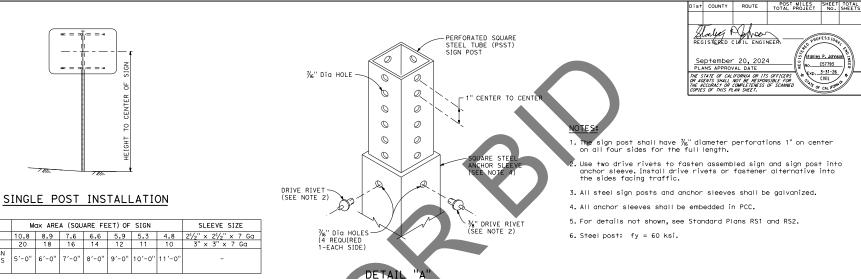






Stanley P. Johns

C57793 €×p. 3-31-26



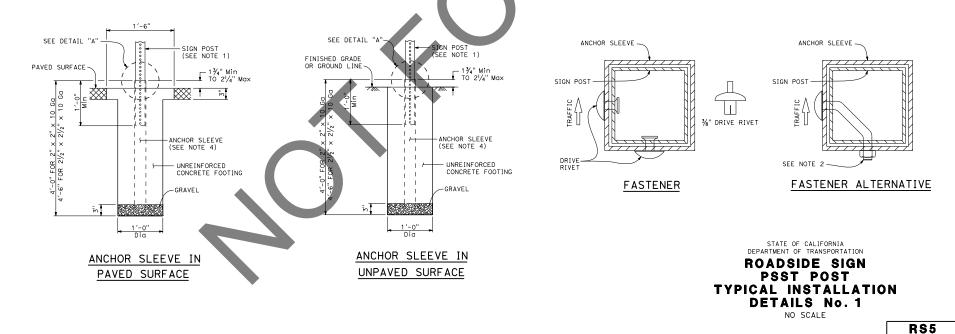
POST SIZE

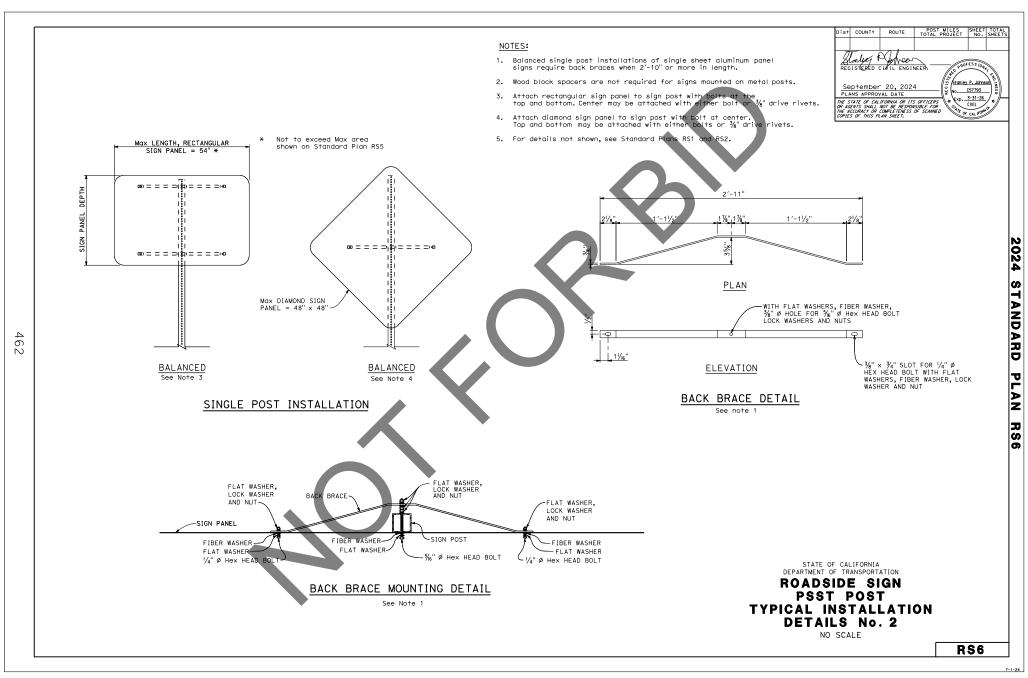
HEIGHT TO CENTER OF SIGN

SINGLE POST GROUND SIGNS

2" × 2" × 12 Ga 2½" × 2½" × 10 Ga

9





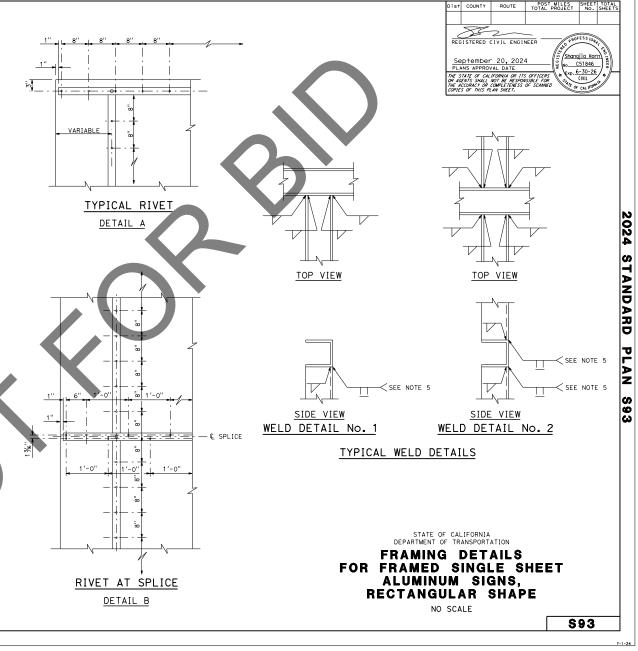
CHANNEL SIZES No. OF No. OF Horiz PANEL HORIZONTAL VERTICAL MEMBER MEMBER SIGN LENGTH SIGN DEPTH THICKNESS MEMBERS MEMBERS TYPE TYPE UP TO 3'-11" NO FRAME REQUIRED 0.063" 4'-0" TO 4'-7" NO FRAME REQUIRED 0.080" 4'-8" TO 5'-10" 1'-0" TO 2'-0" 0.063" 2'-1" TO 3'-0" 0.063" 2 Δ Δ 3'-1" TO 4'-0" 0.063" 2 3 Α 4'-1" TO 8'-0" Α 0.063" В 6'-0" TO 6'-6" 1'-0" TO 2'-0" 2 0.063" Α 2'-1" TO 3'-0" 0.063" 2 2 Α Α 3'-1" TO 4'-0" 0.063" 2 3 Α Α 4'-1" TO 6'-0" 6'-1" TO 8'-0" 0.063" 3 3 C C 6'-8" TO 7'-6" 1'-6" TO 4'-0" 0.080" 2 3 В В 4'-1" TO 6'-0" 0.080" 3 3 В В 6'-1" TO 8'-0" 0.080" 3 3 С С 7'-8" TO 8'-6" 1'-6" TO 4'-0" 0.080" 2 3 В В 4'-1" TO 8'-0" 3 3 0.080" С 8'-8" TO 9'-6" 1'-6" TO 4'-0" 0.080" 2 3 В В 4'-1" TO 8'-0" 0.080" 3 3 С С 9'-8" TO 11'-0" 1'-6" TO 4'-0" 0.080" 2 3 С С 4'-1" TO 8'-0" 0.080" 3 3 С С 8'-1" TO 11'-0 0.080" 4 3 C С

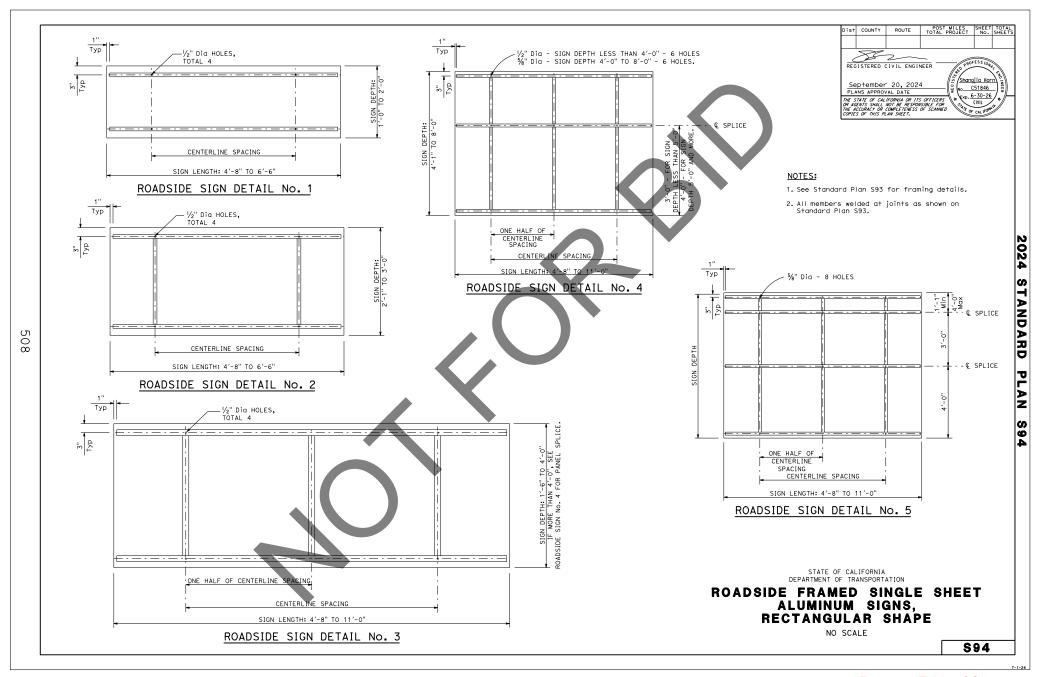
NOTES:

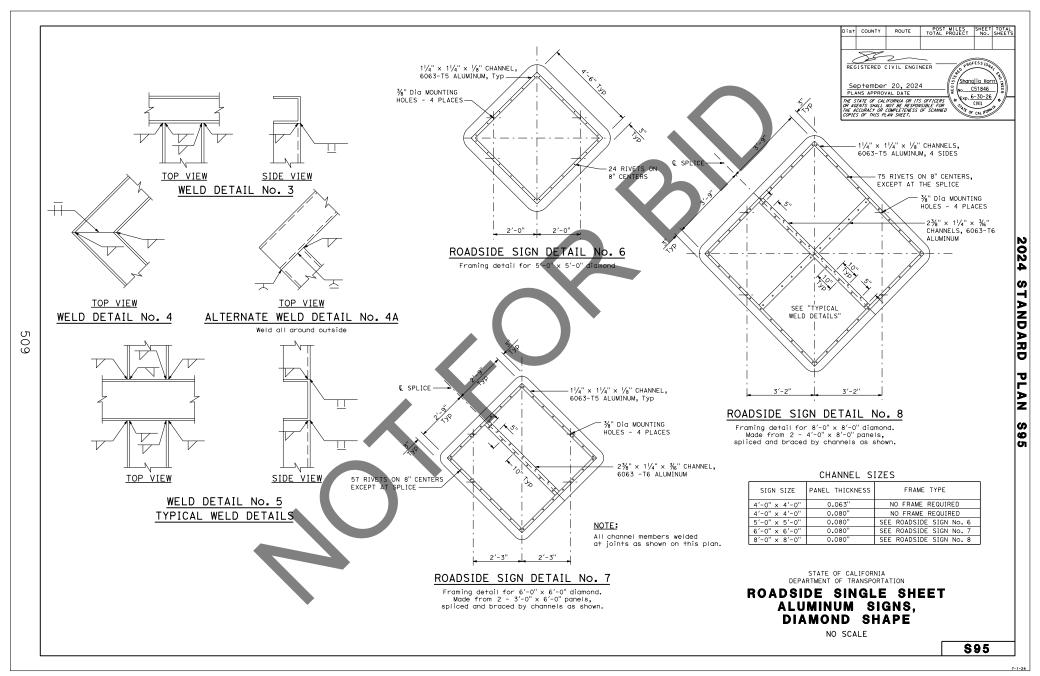
- 1. Type A $1\frac{1}{4}$ " x $1\frac{1}{4}$ " x $\frac{1}{8}$ " Channel to be aluminum alloy 6063-T5.
- 2. Type B $2\frac{3}{8}$ " \times $1\frac{1}{4}$ " \times $\frac{3}{6}$ " Channel to be aluminum alloy 6063-T6.
- 3. Type C 2" \times 2" \times $\frac{1}{4}$ " Channel to be aluminum alloy 6063-T6.
- 4. 1¾" x 1½" x ½" Rectangular tubing aluminum alloy 6063-T6 may be substituted for Types B and C, but more than one type of framing material used on one sign is unacceptable.
- For rectangular tubing, weld all around and grind beads flush where weld contacts sign panel.

POST SPACING

SIGN LENGTH	CENTERLINE SPACING
4'-8" TO 5'-8"	3'-6"
5'-10" TO 6'-8"	4'-0"
6'-10" TO 7'-8"	4'-6"
7'-10" TO 8'-2"	5'-0"
8'-4" TO 8'-8"	5′-2"
8'-10" TO 9'-2"	5′-4"
9'-4" TO 9'-8"	5′-8"
9'-10" TO 10'-2"	6'-0"
10'-4" TO 10'-10"	6'-6"
10'-11" TO 11'-0"	7′-0"









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Index 2024-2 Southern California basic trade journeyman rates

General prevailing wage determinations made by the director of industrial relations

Pursuant to California Labor Code part 7, chapter 1, article 2, sections 1770, 1773, and 1773.1

Determination	Holidays, scope of work, travel & subsistence	Predetermined increase
Asbestos Worker, Heat and Frost Insulator (d)	Select One >	Increase
Asbestos and Lead Abatement (Laborer) (e)	Select One 🕶	Increase
Building/Construction Inspector and Field Soils and Material Tester +	Select One 🕶	No increase *
Carpenter	Select One 🗸	Increase
Cement Mason	Select One 🗸	No increase *
Cranes, Pile Driver and Hoisting Equipment (Operating Engineer) +	Select One 🕶	No increase *
Dredger (Operating Engineer) (e)	Select One 🗸	No increase *
Drywall Installer (Carpenter)	Select One 🗸	Increase
Elevator Constructor (e)	Select One ➤	Increase
Fence Builder (Carpenter) (e)	Select One 🗸	Increase
Fire Safety and Miscellaneous Sealing (e) +	Select One 🕶	No increase *
Gunite Worker (Laborer) (e)	Select One ➤	Increase
Horizontal Directional Drilling (Laborer) (e)	Select One 🕶	Increase
Housemover (Laborer)	Select One 🗸	Increase

Laborer	Select One 🕶	Increase
Landfill Worker (Operating Engineer) (e)	Select One 🕶	Increase
Landscape Irrigation Laborer	Select One 🕶	Increase
Landscape Maintenance Laborer (e)	Select One 🕶	No increase *
Landscape Operating Engineer (e)	Select One 🕶	Increase
Light Fixture Maintenance	Select One 🕶	No increase *
Modular Furniture Installer (Carpenter) (e)	Select One 🕶	No increase *
Operating Engineer +	Select One 🕶	No increase *
Parking and Highway Improvement (Striping, slurry & seal coat operations- Laborer) (e)	Select One >	Increase
Teamster +	Select One Y	No increase *
Tree Maintenance (Laborer) (e)	Select One Y	Increase
Tunnel Worker (Laborer)	Select One 🕶	Increase
Tunnel (Operating Engineer)	Select One 🕶	No increase *

Return to main table

- + Includes shift pay determinations.
- * A single asterisk after the expiration date of a determination indicates that no increase is required for projects advertised while that determination is in effect. The determination remains in effect until it is canceled, modified, or superseded by a new determination by the Director of Industrial Relations. A new determination will become effective 10 days after it is issued. Contact the Office of the Director Research Unit at (415) 703-4774 after 10 days from the expiration date, if no subsequent determination is issued.
- d. Includes San Diego County; excludes Mono County.
- e. Includes San Diego County.

To view the above current prevailing wage determinations, current predetermined increases, and the current holiday, advisory scope of work, and travel and subsistence provisions for each craft, you must first download a free copy of the Adobe Acrobat Reader available by clicking on the icon below:

