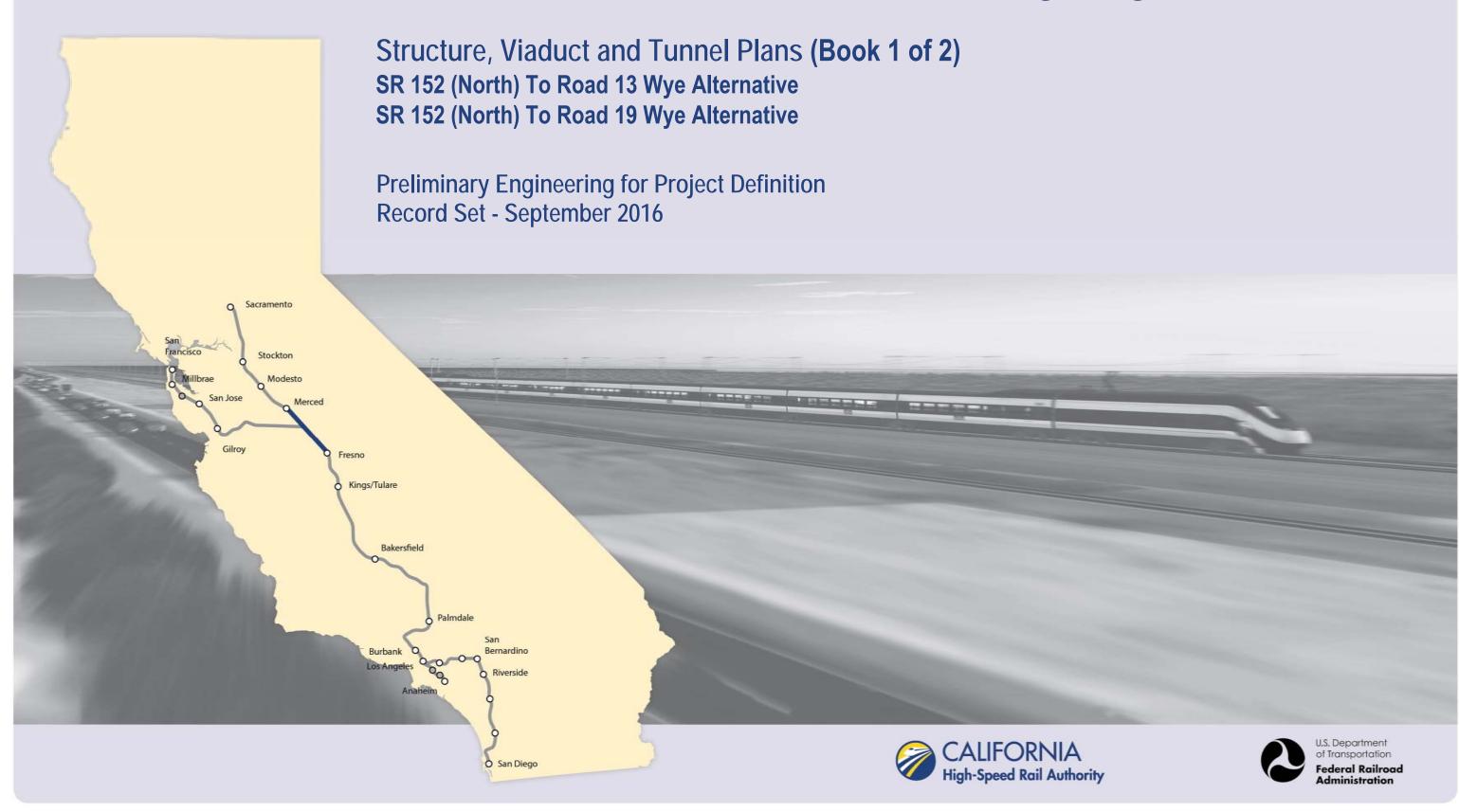


Merced to Fresno Section: Central Valley Wye



			INDEX OF DRAWINGS	
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
			GENERAL	
ST-B0001	CENTRAL VALLEY WYE	STRUCTURE, VIADUCT AND TUNNEL PLANS	COVER	
ST-B0002	CENTRAL VALLEY WYE	STRUCTURE, VIADUCT AND TUNNEL PLANS	INDEX OF DRAWINGS	SHEET 1 OF 8
ST-B0003	CENTRAL VALLEY WYE	STRUCTURE, VIADUCT AND TUNNEL PLANS	INDEX OF DRAWINGS	SHEET 2 OF 8
ST-B0004	CENTRAL VALLEY WYE	STRUCTURE, VIADUCT AND TUNNEL PLANS	INDEX OF DRAWINGS	SHEET 3 OF 8
ST-B0005	CENTRAL VALLEY WYE	STRUCTURE, VIADUCT AND TUNNEL PLANS	INDEX OF DRAWINGS	SHEET 4 OF 8
ST-B0006	CENTRAL VALLEY WYE	STRUCTURE, VIADUCT AND TUNNEL PLANS	INDEX OF DRAWINGS	SHEET 5 OF 8
ST-B0007	CENTRAL VALLEY WYE	STRUCTURE, VIADUCT AND TUNNEL PLANS	INDEX OF DRAWINGS	SHEET 6 OF 8
ST-B0008	CENTRAL VALLEY WYE	STRUCTURE, VIADUCT AND TUNNEL PLANS	INDEX OF DRAWINGS	SHEET 7 OF 8
ST-B0009	CENTRAL VALLEY WYE	STRUCTURE, VIADUCT AND TUNNEL PLANS	INDEX OF DRAWINGS	SHEET 8 OF 8
ST-B0010	CENTRAL VALLEY WYE	STRUCTURE, VIADUCT AND TUNNEL PLANS	ABBREVIATIONS	SHEET 1 OF 2
ST-B0011	CENTRAL VALLEY WYE	STRUCTURE, VIADUCT AND TUNNEL PLANS	ABBREVIATIONS	SHEET 2 OF 2
ST-B4000	CENTRAL VALLEY WYE	STRUCTURE, VIADUCT AND TUNNEL PLANS	LOCATION PLAN	
		SR 152	(NORTH) TO ROAD 13 WYE ALTERNATIVE	
ST-B4001-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP OF STRUCTURAL PLANS	SHEET 1 OF 2
ST-B4002-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP OF STRUCTURAL PLANS	SHEET 2 OF 2
ST-K1050-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	INDIANA ROAD OVERHEAD
ST-K1060-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	WILLIS ROAD UNDERPASS
ST-K1065-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SAN JOAQUIN RIVER BRIDGE - 1 OF 2
ST-K3065-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	SAN JOAQUIN RIVER BRIDGE - 2 OF 2
ST-K1070-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	MARIPOSA SLOUGH BRIDGE
ST-K1075-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	HARMON ROAD UNDERPASS
ST-K1080-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AERIAL #1 - EASTSIDE BYPASS IRRIGATION DITCH - 1 OF 2
ST-K3080-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	AERIAL #1 - EASTSIDE BYPASS IRRIGATION DITCH - 2 OF 2
ST-K1100-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SR 59 / SR 152 INTERCHANGE - 1 OF 4
ST-K1101-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SR 59 / SR 152 INTERCHANGE - 2 OF 4
ST-K3101-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	SR 59 / SR 152 INTERCHANGE - 3 OF 4
ST-K1102-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SR 59 / SR 152 INTERCHANGE - 4 OF 4
ST-K1110-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	LINCOLN ROAD (ROAD 4) OVERHEAD
ST-K1160-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	HEMLOCK ROAD (ROAD 9) INTERCHANGE - 1 OF 2
ST-K3160-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	HEMLOCK ROAD (ROAD 9) INTERCHANGE - 2 OF 2
ST-K1170-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ASH SLOUGH BRIDGE - 1 OF 2
ST-K3170-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	ASH SLOUGH BRIDGE - 2 OF 2
ST-K1190-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ELM ROAD (ROAD 12) UNDERPASS
ST-K1195-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SR 152 (ROAD 12) UNDERCROSSING
ST-K1210-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROBERTSON BOULEVARD (SR 233) INTERCHANGE - 1 OF 2
ST-K3210-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	ROBERTSON BOULEVARD (SR 233) INTERCHANGE - 2 OF 2
ST-K1220-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	BERENDA SLOUGH BRIDGE - 1 OF 2
ST-K3220-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	BERENDA SLOUGH BRIDGE - 2 OF 2
ST-K1230-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	BERENDA WAY (ROAD 16) UNDERPASS
ST-K1235-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	BERENDA WAY (ROAD 16) INTERCHANGE - 1 OF 2
ST-K3235-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	BERENDA WAY (ROAD 16) INTERCHANGE - 2 OF 2
ST-K1240-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 17 1/2 OVERHEAD
		DESIGNED BY M. BRATT DRAWN BY A. M. CHECKED BY K. CHARAN	PARSONS PARSONS	CALIFORNIA HIGH-SPEED TR MERCED TO FRESNO SE CENTRAL VALLEY WYE

BY CHK APP

DESCRIPTION

A. M.
CHECKED BY
K. CHARAN NOT FOR CONSTRUCTION IN CHARGE
C. LEMLEY DATE 08/12/2016

PARSONS



AIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE STRUCTURE, VIADUCT AND TUNNEL PLANS INDEX OF DRAWINGS SHEET 1 OF 8

CONTRACT NO. HSR08-05
DRAWING NO. ST-B0002
NO SCALE
SHEET NO.

			INDEX OF DRAWINGS	
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
ST-K1250-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AERIAL #2 - SR 99 / UPRR - 1 OF 3
ST-K1251-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AERIAL #2 - SR 99 / UPRR - 2 OF 3
ST-K3250-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	AERIAL #2 - SR 99 / UPRR - 3 OF 3
ST-K1260-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 20 OVERHEAD
ST-K1280-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 22 OVERHEAD
ST-K1310-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AVENUE 20 1/2 OVERHEAD
ST-K1330-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	DRY CREEK BRIDGE
ST-K1420-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 1 OF 6
ST-K1421-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 2 OF 6
ST-K1422-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 3 OF 6
ST-K3420-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 4 OF 6
ST-K3421-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 5 OF 6
ST-K3422-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 6 OF 6
ST-K1430-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	RAILROAD DRIVE UNDERPASS (HST NB)
ST-K1433-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	ROBERTSON BOULEVARD (SR 233) UNDERPASS
ST-K1436-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	MADISON ROAD (AVENUE 23 1/2) UNDERPASS
ST-K1450-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	WASHINGTON ROAD (AVENUE 25) UNDERPASS - 1 OF 2
ST-K3450-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION (MER-FRE)	WASHINGTON ROAD (AVENUE 25) UNDERPASS - 2 OF 2
ST-K1455-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	ASH SLOUGH BRIDGE - 1 OF 2
ST-K3455-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION (MER-FRE)	ASH SLOUGH BRIDGE - 2 OF 2
ST-K1460-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AVENUE 26 1/2 UNDERPASS
ST-K1470-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	CHOWCHILLA RIVER BRIDGE - 1 OF 2
ST-K3470-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION (MER-FRE)	CHOWCHILLA RIVER BRIDGE - 2 OF 2
ST-K1475-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	VISTA AVENUE (ROAD 13) UNDERPASS
ST-K1490-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	DUTCHMAN CREEK BRIDGE
ST-K1495-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	ROAD 11 BRIDGE
ST-T1500-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	RETAINED CUT - SANDY MUSH ROAD - 1 OF 2
ST-T3500-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (MER-FRE)	RETAINED CUT - SANDY MUSH ROAD - 2 OF 2
ST-K1500-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	SANDY MUSH ROAD OVERHEAD
ST-K1620-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 1 OF 6
ST-K1621-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 2 OF 6
ST-K1622-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 3 OF 6
ST-K1623-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 4 OF 6
ST-K3620-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-MER)	AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 5 OF 6
ST-K3621-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-MER)	AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 6 OF 6
ST-K1630-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	ELM ROAD (ROAD 12) UNDERPASS
ST-K1635-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	MADISON ROAD (AVENUE 23 1/2) OVERHEAD
ST-K1650-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 1 OF 5
ST-K1651-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 2 OF 5
ST-K1652-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 3 OF 5
ST-K3650-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 4 OF 5
ST-K3651-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 5 OF 5

- AU								
16-							DESIGNED BY M. BRATT	
							DRAWN BY A. M.	l
_							CHECKED BY K. CHARAN	l
133a							IN CHARGE C. LEMLEY	l
p0051	REV	DATE	BY	снк	APP	DESCRIPTION	DATE 08/12/2016	

RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

STRUCTURE, VIADUCT AND TUNNEL PLANS
INDEX OF DRAWINGS SHEET 2 OF 8

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-B0003
SCALE
NO SCALE

CENTRAL VALLEY WYE SHEET NO.

			INDEX OF DRAWINGS	
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
ST-K1655-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	HST SB BRIDGE OVER ASH SLOUGH - 1 OF 2
ST-K3655-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION (SJD-MER)	HST SB BRIDGE OVER ASH SLOUGH - 2 OF 2
		SR 152 (NOF	RTH) TO ROAD 19 WYE ALTERNATIVE	
ST-B4001-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP OF STRUCTURAL PLANS	SHEET 1 OF 2
ST-B4002-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP OF STRUCTURAL PLANS	SHEET 2 OF 2
ST-K1050-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	INDIANA ROAD OVERHEAD
ST-K1060-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	WILLIS ROAD UNDERPASS
ST-K1065-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SAN JOAQUIN RIVER BRIDGE - 1 OF 2
ST-K3065-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	SAN JOAQUIN RIVER BRIDGE - 2 OF 2
ST-K1070-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	MARIPOSA SLOUGH BRIDGE
ST-K1075-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	HARMON ROAD UNDERPASS
ST-K1080-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AERIAL #1 - EASTSIDE BYPASS IRRIGATION DITCH - 1 OF 2
ST-K3080-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	AERIAL #1 - EASTSIDE BYPASS IRRIGATION DITCH - 2 OF 2
ST-K1100-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SR 59 / SR 152 INTERCHANGE - 1 OF 4
ST-K1101-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SR 59 / SR 152 INTERCHANGE - 2 OF 4
ST-K3101-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	SR 59 / SR 152 INTERCHANGE - 3 OF 4
ST-K1102-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SR 59 / SR 152 INTERCHANGE - 4 OF 4
ST-K1110-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	LINCOLN ROAD (ROAD 4) OVERHEAD
ST-K1160-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	HEMLOCK ROAD (ROAD 9) INTERCHANGE - 1 OF 2
ST-K3160-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	HEMLOCK ROAD (ROAD 9) INTERCHANGE - 2 OF 2
ST-K1170-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ASH SLOUGH BRIDGE
ST-K1190-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ELM ROAD (ROAD 12) OVERHEAD
ST-K1210-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROBERTSON BOULEVARD (SR 233) INTERCHANGE - 1 OF 2
ST-K3210-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	ROBERTSON BOULEVARD (SR 233) INTERCHANGE - 2 OF 2
ST-K1220-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	BERENDA SLOUGH BRIDGE
ST-K1230-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	BERENDA WAY (ROAD 16) UNDERPASS
ST-K1235-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	BERENDA WAY (ROAD 16) INTERCHANGE - 1 OF 2
ST-K3235-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	BERENDA WAY (ROAD 16) INTERCHANGE - 2 OF 2
ST-K1240-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 17 1/2 UNDERPASS
ST-K1245-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SR 152 (ROAD 17 1/2) UNDERCROSSING
ST-K1250-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AERIAL #2 - SR 99 / UPRR - 1 OF 3
ST-K1250 B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AERIAL #2 - SR 99 / UPRR - 2 OF 3
ST-K3250-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	AERIAL #2 - SR 99 / UPRR - 3 OF 3
ST-K3250-B ST-K1260-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 20 UNDERPASS
ST-K1280-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 20 UNDERPASS ROAD 22 OVERHEAD
ST-K1260-B ST-K1310-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AVENUE 20 1/2 OVERHEAD
ST-K1310-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	DRY CREEK BRIDGE
ST-K1320-B ST-K1420-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 1 OF 5
ST-K1421-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 2 OF 5
ST-K1422-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 3 OF 5
ST-K3420-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTIONS (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 4 OF 5
ST-K3421-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTIONS (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 5 OF 5
ST-K1425-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	ROAD 20 UNDERPASS (HST NB) CALIFORNIA HIGH-SPEED T

16-AUG-201607:

| DESIGNED BY | M. BRATT | DRAWN BY | A. M. | CHECKED BY | K. CHARAN | IN CHARGE | C. LEMLEY | DATE | BY CHK | APP | DESCRIPTION | DATE | DATE

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE STRUCTURE, VIADUCT AND TUNNEL PLANS INDEX OF DRAWINGS SHEET 3 OF 8

CONTRACT NO.
HSR08-05
DRAWING NO. ST-B0004
SCALE

NO SCALE

						DESIGNED BY
						M. BRATT
						DRAWN BY A. M.
						CHECKED BY K. CHARAN
						IN CHARGE C. LEMLEY
REV	DATE	ВҮ	снк	APP	DESCRIPTION	DATE 08/12/2016

RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE STRUCTURE, VIADUCT AND TUNNEL PLANS INDEX OF DRAWINGS SHEET 4 OF 8

CONTRACT NO.
HSR08-05
DRAWING NO. ST-B0005
SCALE NO SCALE

SHEET NO.

		M. BRATT RECORD SE DRAWN BY 15% DESIGN A. M.		CALIFORNIA HIGH-SPEED TR MERCED TO FRESNO SE
ST-K3490-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVI	TYPICAL SECTION (MER-FRE)	CALLEGRALA LICH CREED TR
ST-K1490-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE		CHOWCHILLA RIVER BRIDGE - 1 OF 2
ST-K1480-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE		AVENUE 26 1/2 UNDERPASS
ST-K3475-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	<u> </u>	ASH SLOUGH BRIDGE - 2 OF 2
ST-K1475-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	ASH SLOUGH BRIDGE - 1 OF 2
ST-K1470-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	WASHINGTON ROAD (AVENUE 25) UNDERPASS
ST-K3450-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION (MER-FRE)	SR 152 UNDERPASS - 2 OF 2
ST-K1450-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	SR 152 UNDERPASS - 1 OF 2
ST-K1445-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AVENUE 22 1/2 UNDERPASS
ST-K1440-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	ROBERTSON BOULEVARD UNDERPASS
ST-K1435-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AVENUE 21 1/2 OVERHEAD
ST-K1430-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	ROAD 14 UNDERPASS (HST NB)
ST-K1426-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	HST NB BRIDGE OVER BERENDA SLOUGH
ST-K3421-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (MER-FRE)	AERIAL #4 - SOUTHBOUND OVER HST MAINLINE - 6 OF 6
ST-K3420-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (MER-FRE)	AERIAL #4 - SOUTHBOUND OVER HST MAINLINE - 5 OF 6
ST-K1423-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #4 - SOUTHBOUND OVER HST MAINLINE - 4 OF 6
ST-K1422-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #4 - SOUTHBOUND OVER HST MAINLINE - 3 OF 6
ST-K1421-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #4 - SOUTHBOUND OVER HST MAINLINE - 2 OF 6
ST-K1420-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #4 - SOUTHBOUND OVER HST MAINLINE - 1 OF 6
ST-K1320-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	DRY CREEK BRIDGE
ST-K1300-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AVENUE 20 1/2 OVERHEAD
ST-K1290-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 22 OVERHEAD
ST-K3275-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	AERIAL #3 - SR 99 / UPRR - 2 OF 2
ST-K1275-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AERIAL #3 - SR 99 / UPRR - 1 OF 2
ST-K1270-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 20 UNDERPASS
ST-K1260-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 19 OVERHEAD
ST-K1230-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	BERENDA WAY (ROAD 16) OVERHEAD
ST-K1220-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	BERENDA SLOUGH BRIDGE
ST-K1210-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 14 UNDERPASS
ST-K1200-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROBERTSON BOULEVARD OVERHEAD
ST-K1160-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	HEMLOCK ROAD (ROAD 9) OVERHEAD
ST-K3155-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE		ASH SLOUGH BRIDGE - 2 OF 2
ST-K1155-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE		ASH SLOUGH BRIDGE - 1 OF 2
ST-K1150-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE		JUNIPER ROAD (ROAD 7) UNDERPASS
ST-K1120-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE		LINCOLN ROAD (ROAD 4) OVERHEAD
ST-K3100-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE		AERIAL #2 - EASTSIDE BYPASS IRRIGATION DITCH - 2 OF 2
ST-K1090-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE		AERIAL #2 - EASTSIDE BYPASS IRRIGATION DITCH - 1 OF 2
ST-K1090-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE		FLANAGAN ROAD UNDERPASS
ST-K1085-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE		SR 152 UNDERPASS
ST-K1080-C ST-K3080-C	CENTRAL VALLEY WYE CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE		AERIAL #1 - FRESNO RIVER AND MARIPOSA SLOUGH - 1 OF 2 AERIAL #1 - FRESNO RIVER AND MARIPOSA SLOUGH - 2 OF 2
ST-K3070-C ST-K1080-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVI		SAN JOAQUIN RIVER BRIDGE - 2 OF 2
ST-K1070-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE		SAN JOAQUIN RIVER BRIDGE - 1 OF 2

INDEX OF DRAWINGS

A. M.
CHECKED BY
K. CHARAN IN CHARGE
C. LEMLEY DATE 08/12/2016 BY CHK APP DESCRIPTION

15% DESIGN Submittal NOT FOR CONSTRUCTION

PARSONS



AIN PROJECT CONTRACT NO. HSRO8-C MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE STRUCTURE, VIADUCT AND TUNNEL PLANS INDEX OF DRAWINGS SHEET 5 OF 8

HSR08-05
DRAWING NO. ST-B0006
NO SCALE
CUEET NO

			INDEX OF DRAWINGS	
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
ST-K1495-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	VISTA AVENUE (ROAD 13) UNDERPASS
ST-K1510-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	DUTCHMAN CREEK BRIDGE
ST-K1515-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	ROAD 11 BRIDGE
ST-T1520-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	RETAINED CUT - SANDY MUSH ROAD - 1 OF 2
ST-T3520-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (MER-FRE)	RETAINED CUT - SANDY MUSH ROAD - 2 OF 2
ST-K1520-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	SANDY MUSH ROAD OVERHEAD
ST-K1620-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MAINLINE - 1 OF 5
ST-K1621-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MAINLINE - 2 OF 5
ST-K1622-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MAINLINE - 3 OF 5
ST-K3620-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MAINLINE - 4 OF 5
ST-K3621-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MAINLINE - 5 OF 5
ST-K1630-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AVENUE 21 1/2 OVERHEAD
ST-K1640-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #6 - NORTHBOUND OVER HST MERCED TO FRESNO - 1 OF 6
ST-K1641-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #6 - NORTHBOUND OVER HST MERCED TO FRESNO - 2 OF 6
ST-K1642-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #6 - NORTHBOUND OVER HST MERCED TO FRESNO - 3 OF 6
ST-K1643-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #6 - NORTHBOUND OVER HST MERCED TO FRESNO - 4 OF 6
ST-K3640-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-MER)	AERIAL #6 - NORTHBOUND OVER HST MERCED TO FRESNO - 5 OF 6
ST-K3641-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-MER)	AERIAL #6 - NORTHBOUND OVER HST MERCED TO FRESNO - 6 OF 6
ST-K1646-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AVENUE 22 1/2 UNDERPASS (HST SB)
		SR 152	(NORTH) TO ROAD 11 WYE ALTERNATIVE	1
ST-B4001-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP OF STRUCTURAL PLANS	SHEET 1 OF 2
ST-B4002-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP OF STRUCTURAL PLANS	SHEET 2 OF 2
ST-K1050-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	INDIANA ROAD OVERHEAD
ST-K1055-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	WOOD SLOUGH BRIDGE
ST-K1060-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	WILLIS ROAD UNDERPASS
ST-K1065-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SAN JOAQUIN RIVER BRIDGE - 1 OF 2
ST-K3065-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	SAN JOAQUIN RIVER BRIDGE - 2 OF 2
ST-K1070-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	MARIPOSA SLOUGH BRIDGE
ST-K1075-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	HARMON ROAD UNDERPASS
ST-K1080-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AERIAL #1 - EASTSIDE BYPASS IRRIGATION DITCH - 1 OF 2
ST-K3080-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	AERIAL #1 - EASTSIDE BYPASS IRRIGATION DITCH - 2 OF 2
ST-K1100-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SR 59 / SR 152 INTERCHANGE - 1 OF 4
ST-K1101-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SR 59 / SR 152 INTERCHANGE - 2 OF 4
ST-K3101-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	SR 59 / SR 152 INTERCHANGE - 3 OF 4
ST-K1102-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SR 59 / SR 152 INTERCHANGE - 4 OF 4
ST-K1110-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	LINCOLN ROAD (ROAD 4) OVERHEAD
ST-K1160-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	HEMLOCK ROAD (ROAD 9) UNDERPASS
ST-K1161-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	HEMLOCK ROAD (ROAD 9) INTERCHANGE - 1 OF 2
ST-K3161-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	HEMLOCK ROAD (ROAD 9) INTERCHANGE - 2 OF 2
ST-K1170-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ASH SLOUGH BRIDGE - 1 OF 2
ST-K3170-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	ASH SLOUGH BRIDGE - 2 OF 2
ST-K1190-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ELM ROAD (ROAD 12) UNDERPASS
ST-K1195-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	SR 152 (ROAD 12) UNDERCROSSING
		DESIGNED BY M. BRATT DRAWN BY A. M. CHECKED BY K. CHARAN IN CHARGE NOT FOR	PARSONS	CALIFORNIA HIGH-SPEED MERCED TO FRESNO CENTRAL VALLEY W STRUCTURE, VIADUCT AND THE

BY CHK APP

15% DESIGN Submittal NOT FOR CONSTRUCTION

IN CHARGE
C. LEMLEY

DATE 08/12/2016

DESCRIPTION



AIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE STRUCTURE, VIADUCT AND TUNNEL PLANS INDEX OF DRAWINGS SHEET 6 OF 8

CONTRACT NO. HSRO8-05
DRAWING NO. ST-B0007
NO SCALE
SHEET NO.

DRAWING NO.				
BITATING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
ST-K1210-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROBERTSON BOULEVARD (SR 233) INTERCHANGE - 1 OF 2
ST-K3210-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	ROBERTSON BOULEVARD (SR 233) INTERCHANGE - 2 OF 2
ST-K1220-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	BERENDA SLOUGH BRIDGE - 1 OF 2
ST-K3220-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	BERENDA SLOUGH BRIDGE - 2 OF 2
ST-K1230-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	BERENDA WAY (ROAD 16) UNDERPASS
ST-K1235-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	BERENDA WAY (ROAD 16) INTERCHANGE - 1 OF 2
ST-K3235-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION (SJD-FRE)	BERENDA WAY (ROAD 16) INTERCHANGE - 2 OF 2
ST-K1240-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 17 1/2 OVERHEAD
ST-K1250-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AERIAL #2 - SR 99 / UPRR - 1 OF 3
ST-K1251-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AERIAL #2 - SR 99 / UPRR - 2 OF 3
ST-K3250-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-FRE)	AERIAL #2 - SR 99 / UPRR - 3 OF 3
ST-K1260-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 20 OVERHEAD
ST-K1280-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	ROAD 22 OVERHEAD
ST-K1300-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	BERENDA CREEK BRIDGE
ST-K1310-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	AVENUE 20 1/2 OVERHEAD
ST-K1330-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	DRY CREEK BRIDGE
ST-K1410-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 1 OF 6
ST-K1411-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 2 OF 6
ST-K1412-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 3 OF 6
ST-K3410-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 4 OF 6
ST-K3411-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 5 OF 6
ST-K3412-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTIONS (MER-FRE)	AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 6 OF 6
ST-K1430-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	ROAD 12 UNDERPASS
ST-K1435-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	MADISON ROAD (AVENUE 23 1/2) UNDERPASS
ST-K1440-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	ASH SLOUGH BRIDGE - 1 OF 2
ST-K3440-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION (MER-FRE)	ASH SLOUGH BRIDGE - 2 OF 2
ST-K1450-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	WASHINGTON ROAD (AVENUE 25) UNDERPASS - 1 OF 2
ST-K3450-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION (MER-FRE)	WASHINGTON ROAD (AVENUE 25) UNDERPASS - 2 OF 2
ST-K1455-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	CHOWCHILLA RIVER BRIDGE
ST-K1460-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	AVENUE 26 UNDERPASS
ST-K1490-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	DUTCHMAN CREEK BRIDGE
ST-K1495-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	SANDY MUSH ROAD UNDERPASS
ST-K1510-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	DEADMAN CREEK BRIDGE No. 1
ST-K1515-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (MER-FRE)	DEADMAN CREEK BRIDGE No. 2
ST-K1610-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 1 OF 5
ST-K1611-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 2 OF 5
ST-K1612-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 3 OF 5
ST-K3610-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-MER)	AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 4 OF 5
ST-K3611-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-MER)	AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 5 OF 5
ST-K1620-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-FRE)	HEMLOCK ROAD (ROAD 9) UNDERPASS
ST-K1630-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	MADISON ROAD (AVENUE 23 1/2) OVERHEAD
ST-K1640-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 1 OF 6

M. BRATT DRAWN BY
A. M. CHECKED BY
K. CHARAN IN CHARGE
C. LEMLEY DATE 08/12/2016 BY CHK APP DESCRIPTION

RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE STRUCTURE, VIADUCT AND TUNNEL PLANS INDEX OF DRAWINGS SHEET 7 OF 8

CONTRACT NO. HSRO8-05
DRAWING NO. ST-B0008
SCALE

NO SCALE

SHEET NO.

	INDEX OF DRAWINGS							
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION				
ST-K1641-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 2 OF 6				
ST-K1642-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 3 OF 6				
ST-K1643-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 4 OF 6				
ST-K3640-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 5 OF 6				
ST-K3641-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTIONS (SJD-MER)	AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 6 OF 6				
ST-K1650-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	ROAD 11 UNDERPASS				
ST-K1653-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	GENERAL PLAN (SJD-MER)	WASHINGTON ROAD (AVENUE 25) UNDERPASS				
ST-K1656-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYF ALTERNATIVE	GENERAL PLAN (S.ID-MER)	CHOWCHILLA RIVER BRIDGE				

DESIGNED BY
M. BRATT DRAWN BY
A. M. CHECKED BY IN CHARGE
C. LEMLEY DATE 08/12/2016 BY CHK APP DESCRIPTION

RECORD SET 15% DESIGN SUBMITTAL NOT FOR





CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE STRUCTURE, VIADUCT AND TUNNEL PLANS INDEX OF DRAWINGS SHEET 8 OF 8

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-B0009
SCALE
NO SCALE
SHEET NO.

	(A)				(D CONTINUED)		(F CONTINUED)		(J CONTINUED)
				25.7		5.1.75			
AB	AGGREGATE BASE	CAA	CABLE ANCHOR ASSEMBLY	DET	DETAIL, DETOUR	FNTB	FACING NORTHBOUND TRAFFIC	JS	JUNCTION STRUCTURE
ABBC	ASBESTOS BONDED BITUMINOUS COATED	CAP	CORRUGATED ALUMINUM PIPE	DF	DOUGLAS FIR, DIRECT FIXATION	FOB	FREE ON BOARD	JT	JOINT
ABM	AIR-BLOWN MORTAR	CAPA	CORRUGATED ALUMINUM PIPE ARCH	DI	DRAINAGE INLET, DROP INLET	FOC	FACE OF CONCRETE		
ABN	ABANDON	CAS	CONSTRUCTION AREA SIGN	DIA	DIAMETER	FR RD	FRONTAGE ROAD		LENOTH
ABUT	ABUTMENT	CB	CONCRETE BARRIER	DIAPH	DIAPHRAGM	FRE	FRESNO	L	LENGTH
AC	ASPHALT CONCRETE	CBW	CONCRETE BLOCK WALL	DIST	DISTANCE, DISTRICT	FS	FAR SIDE, FINISHED SURFACE	LAT	LATITUDE
ACB	ASPHALT CONCRETE BASE	C-C	CENTER TO CENTER	DMBB	DOUBLE METAL BEAM BARRIER	FSBT	FACING SOUTHBOUND TRAFFIC	LCB	LEAN CONCRETE BASE
ACP	ASBESTOS CEMENT PIPE ADDED DEAD LOAD	CHSRA	CALIFORNIA HIGH-SPEED RAIL	DR DTBB	DRIVE DOUBLE THRIE BEAM BARRIER	FTG FWBT	FOOTING FACING WESTBOUND TRAFFIC	LLT	LAST LONG TIE LANE
ADL ADJ	ADJUST	CHSR	AUTHORITY (SEE AUTHORITY) CALIFORNIA HIGH-SPEED RAIL	DWY	DRIVEWAY	FWBI	FREEWAY	LN LOC	LOCATION
AFES	ALTERNATIVE FLARED END SECTION	CHST	CALIFORNIA HIGH-SPEED TRAIN	DWI	DRIVEWAT	L AA I		LOL	LAYOUT LINE
AHD	AHEAD	CG	CENTER OF GRAVITY		(E)		G	LONG	LONGITUDE
ALT	ALTERNATE	CHNL	CHANNEL	F	EAST	G	GRADE, ACCELERATION DUE TO	LONGIT	LONGITUDINAL
AM	TIME FROM MIDNIGHT TO NOON	CI	CAST IRON	EA	ACTUAL SUPERELEVATION	O	GRAVITY	LS	LUMP SUM, LENGTH OF SPIRAL
AP AP	ALTERNATIVE PIPE	CIDH	CAST-IN-DRILLED-HOLE	EASE	EASEMENT	GA	GAGE	LT	LEFT
APC	ALTERNATIVE PIPE CULVERT	CIP	CAST-IN-PLACE, CAST IRON PIPE	EB	END OF BRIDGE, EASTBOUND	GALV	GALVANIZED	LVC	LENGTH OF VERTICAL CURVE
APPROX	APPROXIMATE	CIPCP	CAST-IN-PLACE CONCRETE PIPE	EC	END HORIZONTAL CURVE	GP	GRADING PLANE	2.0	
APU	ALTERNATIVE PIPE UNDERDRAIN	CISS	CAST-IN-STEEL SHELL	ECR	END CURB RETURN	GR	GUARD RAILING		(M
AR	ACCESS RESTRICTION	CJP	COMPLETE JOINT PENETRATION	ED	EDGE DRAIN	GRDR	GIRDER	MAINT	MAINTENANCE
ARS	ACCELERATION RESPONSE SPECTRUM	CL	CHAIN LINK, CLASS	EDC	EDGE DRAIN CLEANOUT	GSP	GALVANIZED STEEL PIPE	MAX	MAXIMUM
AS	AGGREGATE SUBBASE	CL-6	CHAIN LINK FENCE (6 FT)	EDO	EDGE DRAIN OUTLET	GTR	GUTTER	МВ	METAL BEAM
ASRP	ALUMINUM SPIRAL RIB PIPE	CLR	CLEAR, CLEARANCE	EDV	EDGE DRAIN VENT			MBB	METAL BEAM BARRIER
ASSY	ASSEMBLY	СМ	CORRUGATED METAL	ELEC	ELECTROLIER		(H)	MBGR	METAL BEAM GUARD RAILING
ATC	AUTOMATIC TRAIN CONTROL	CMP	CORRUGATED METAL PIPE	ELECT	ELECTRIC	Н	HEIGHT	MED	MEDIAN
ATPB	ASPHALT TREATED PERMEABLE BASE	СО	COUNTY	ELEV	ELEVATION	H, HR	HOUR	MER	MERCED
ATPM	ASPHALT TREATED PERMEABLE MATERIAL	COL	COLUMN	EMB	EMBANKMENT	HD	HORIZONTAL DRAIN	MF	MERCED TO FRESNO
AUTHORITY	CALIFORNIA HIGH-SPEED RAIL AUTHORITY	CONC	CONCRETE	ENGR	ENGINEER	HDWL	HEADWALL	МН	MANHOLE
AVE	AVENUE	COND	CONDUIT	EOD	EDGE OF DECK	HEX HD	HEXAGONAL HEAD	MIN	MINIMUM
AVG	AVERAGE	CONN	CONNECTOR	EP	EDGE OF PAVEMENT	НМА	HOT MIXED ASPHALT	MISC	MISCELLANEOUS
@	AT	CONST	CONSTRUCT, CONSTRUCTION	EQ	EQUATION	HORIZ	HORIZONTAL	MISC I & S	S MISCELLANEOUS IRON AND STEEL
	В	CONT	CONTINUOUS	ES	EDGE OF SHOULDER	HP	HINGE POINT, HORSEPOWER	MKR	MARKER
		COORD	COORDINATE	ET	END TUNNEL	HPS	HIGH PERFORMANCE STEEL	MOD	MODIFIED, MODIFY
BAGR	BRIDGE APPROACH GUARD RAILING	CP	CANDLEPOWER	ETW	EDGE OF TRAVELED WAY	HS	HIGH STRENGTH	MON	MONUMENT
BB	BEGINNING OF BRIDGE	CP1	CONSTRUCTION PACKAGE 1	EU	UNBALANCED SUPERELEVATION	HSR	HIGH-SPEED RAIL	MOW	MAINTENANCE-OF-WAY FACILITY
В-В	BACK-TO-BACK	CR	CREEK	EVC	END VERTICAL CURVE	HST	HIGH-SPEED TRAIN	MP	METAL PLATE
BC	BEGIN HORIZONTAL CURVE	CRCP	CONTINUOUS REINFORCED CONCRETE PAVEMENT	EW	ENDWALL	HW	HEADWALL,	MPGR	METAL PLATE GUARD RAILING
BCR	BEGIN CURB RETURN	CRSP	CONCRETED ROCK SLOPE PROTECTION	EXC	EXCAVATION		100-YR HIGH WATER (UNLESS NOTED	MPH	MILES PER HOUR
BEG	BEGIN	CRZ	CLEAR RECOVERY ZONE	EXIST, (E)			OTHERWISE)	MR	MOVEMENT RATING
BIT CTD	BITUMINOUS COATED	CS	CURVE SPIRAL POINT	EXP	EXPANSION, EXPRESSWAY	HWM	HIGH WATER MARK	MSE	MECHANICALLY STABILIZED EARTH
BK	BACK	CSP	CORRUGATED STEEL PIPE	EXP JT	EXPANSION JOINT	HWY	HIGHWAY	MTL	MATERIAL
BKF	BACKFILL	CSPA	CORRUGATED STEEL PIPE ARCH	EXT	EXTERIOR				N
BLDG BLM	BUILDING BRIDGE-LOC MILE	CTB	CEMENT TREATED BASE CEMENT TREATED PERMEABLE BASE		F	ĪŖ	IMPORTED ROPPOW	N	NORTH
E BLVD	BRIDGE-LOG MILE BOULEVARD	CTPB CTPM	CEMENT TREATED PERMEABLE BASE CEMENT TREATED PERMEABLE MATERIAL	E & C	FRAME AND COVER	IB ID	IMPORTED BORROW INSIDE DIAMETER	N NB	NORTHBOUND
BM BLVD	BENCH MARK	CTRS	CENTERS	F & C F & G	FRAME AND COVER FRAME AND GRATE	ID IF	INSIDE DIAMETER INSIDE FACE	NC	NORMAL CROWN
BOT	BOTTOM	CULV	CULVERT	F & G FB	FLOOR BEAM	INT	INSIDE FACE INTERIOR	NIC	NOT IN CONTRACT
BNSF	BNSF RAILWAY	COL V	CENTERLINE	FDN	FOUNDATION	INV	INVERT	NO.	NUMBER (MUST HAVE PERIOD)
BR BNSF	BRIDGE	*	SENTENEME	FEBT	FACING EASTBOUND TRAFFIC	IRR	IRRIGATION	NOS.	NUMBERS (MUST HAVE PERIOD)
BRG	BEARING		D	FES	FLARED END SECTION	IS	INTERLOCKING SITE	NPS	NOMINAL PIPE SIZE
BT	BEGIN TUNNEL	D	DEPTH	FF	FILTER FABRIC			NS	NEAR SIDE
<u>9</u> BTU	BRITISH THERMAL UNIT	DD	DOWNDRAIN	FG	FINISHED GRADE			NTS	NOT TO SCALE
BVC	BEGIN VERTICAL CURVE	DBL	DOUBLE	FH	FIRE HYDRANT	JCT	JUNCTION		
BW BW	BARBED WIRE	DEG	DEGREE	FIG	FIGURE	JP	JOINT POLE		
:-9n:		DEL	DELINEATOR	FL	FLOW LINE	JPCP	JOINTED PLAIN CONCRETE PAVEMENT	OBLR	OBLITERATE
A - A - A - A - A - A - A - A - A - A -			DESIGNED BY				CALIEODNIA UIGU-SDI	EED TRA	IN BRO IECT CONTRACT NO.
			C. LEMLEY RECORD SET DRAWN BY 15% DESIGN				CALIFORNIA HIGH-SPI Merced to Fri		1.0.100 00
			J. KIDWELL				CENTRAL VA		ST-B0010
30			CHECKED BY A. M. IN CHARGE NOT FOR	RSONS		24//4	STRUCTURE, VIADUCT		PLANS SCALE NO SCALE
0513			C. LEMLEY CONSTRUCTION		CALIFOR HIGH-SPEED RAIL AU		ABBREVI	ATIONS	NO SCALE SHEET NO.
REV DATE B	Y CHK APP DESCRIPTION		DATE 08/12/2016		THOIT OF ELD WAIL AD		SHEET 1	OF 2	
-									

	(O CONTINUED)		(P CONTINUED)		(S CONTINUED)		(T CONTINUED)
OC	OVERCROSSING	PVI	POINT OF VERTICAL INTERSECTION	SJM	SAN JOSE TO MERCED	TS	TRANSVERSE, TRAFFIC SIGNAL,
ocs	OVERHEAD CONTACT SYSTEM	PVMT	PAVEMENT	SJV	SAN JOAQUIN VALLEY		TUBULAR STEEL, TANGENT SPIRAL POINT
OD	OUTSIDE DIAMETER	PVT	POINT OF VERTICAL TANGENT	S	STATION LINE	TYP	TYPICAL
OF	OUTSIDE FACE			SM	SELECTED MATERIAL		
OG	ORIGINAL GROUND		(Q)	SPEC	SPECIAL, SPECIFICATIONS		
OGAC	OPEN GRADED ASPHALT CONCRETE	QTY	QUANTITY	SPP	SLOTTED PLASTIC PIPE	UC	UNDERCROSSING
ОН	OVERHEAD		R	SR	STATE ROUTE	UD	UNDERDRAIN
0-0	OUT TO OUT			SRS	STANDALONE RADIO SITE	UON	UNLESS OTHERWISE NOTED
OPP	OPPOSITE	R	RADIUS	SS	SLOPE STAKE, SUBSTATION	UP	UNDERPASS
	P	R & D	REMOVE AND DISPOSE	SSBM	STRAP AND SADDLE BRACKET METHOD	UPRR	UNION PACIFIC RAILROAD
		R & S	REMOVE AND SALVAGE	SSD	STRUCTURAL SECTION DRAIN	UXO	UNIVERSAL CROSSOVER
Р	PAGE	R/C	RATE OF CHANGE	SSPA	STRUCTURAL STEEL PLATE ARCH		V
PAP	PERFORATED ALUMINUM PIPE	RCA	REINFORCED CONCRETE ARCH	SSPP	STRUCTURAL STEEL PLATE PIPE		V
РВ	PULL BOX, PHASE BREAK	RCB	REINFORCED CONCRETE BOX	SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH	V	DESIGN SPEED, VALVE
PC	POINT OF CURVATURE, PRECAST	RCP	REINFORCED CONCRETE PIPE	SSRP	STEEL SPIRAL RIB PIPE	VAR	VARIABLE
PCC	POINT OF COMPOUND CURVE,	RCPA	REINFORCED CONCRETE PIPE ARCH	ST	STREET, SPIRAL TANGENT POINT	VC	VERTICAL CURVE
	PORTLAND CEMENT CONCRETE	RD	ROAD	STA	STATION	VCP	VITRIFIED CLAY PIPE
PCP	PERFORATED CONCRETE PIPE,	REINF	REINFORCED, REINFORCEMENT,	STBB	SINGLE THRIE BEAM BARRIER	VERT	VERTICAL
	PRESTRESSED CONCRETE PIPE		REINFORCING	STD	STANDARD	AIV	VIADUCT
PCVC	POINT OF COMPOUND VERTICAL CURVE	REL	RELOCATE	STR	STRUCTURE	VOL	VOLUME
PED	PEDESTRIAN	REPL	REPLACEMENT	SURF	SURFACING		W
PED OC	PEDESTRIAN OVERCROSSING	RET	RETAINING	SW	SIDEWALK, SOUND WALL		
PED UC	PEDESTRIAN UNDERCROSSING	REV	REVISED	SWR	SEWER	W	WEST, WIDTH
PERM MTL		RDWY	ROADWAY	SWS	SWITCHING STATION	WB	WESTBOUND
PG	PROFILE GRADE	RM 	ROAD-MIXED	SYM	SYMMETRICAL	WCB	WORLD COORDINATE BEARING
PG&E	PACIFIC GAS AND ELECTRIC	RP	RADIUS POINT,	S4S	SURFACE 4 SIDES	WH	WEEP HOLE
PI	POINT OF INTERSECTION		REFERENCE POINT		T	WM	WIRE MESH
PITO	POINT OF INTERSECTION TURNOUT	RR	RAILROAD	_		WS	WATER SURFACE
PJP	PARTIAL JOINT PENETRATION	RSP	ROCK SLOPE PROTECTION	T	SEMI-TANGENT	WSP	WELDED STEEL PIPE
P, PL	PLATE	RT	RIGHT	TAB	TABLET	WT	WEIGHT
P/L	PROPERTY LINE	RTE	ROUTE	TAN	TANGENT	WV	WATER VALVE
РМ	POST MILE,	RW	REDWOOD,	TBB	THRIE BEAM BARRIER	WW	WINGWALL
5.1	TIME FROM NOON TO MIDNIGHT	5 44	RETAINING WALL	TBD	TO BE DETERMINED	WWLOL	WINGWALL LAYOUT LINE
PN	PAVING NOTCH	R/W	RIGHT-OF-WAY	TBR	TIMBER		X
POB	POINT OF HORIZONIAL CHRVE	RWY	RAILWAY	TC	TOP OF CURB, TRAIN CONTROL	V 656	CDOCC CECTION
POC	POINT OF HORIZONTAL CURVE		S	TCB	TRAFFIC CONTROL BOX	X SEC	CROSS SECTION
POE	POINT OF TANCENT	C	COUTH CURRIENT	TCE	TEMPORARY CONSTRUCTION EASEMENT	XING	CROSSING
POT	POINT OF VERTICAL CURVE	S	SOUTH, SUPPLEMENT	TEL	TELEPHONE TEMPORARY	XO	CROSSOVER
POVC	POINT OF VERTICAL CURVE	SAE	STRUCTURE APPROACH EMBANKMENT	TEMP			Y
PP	PIPE PILE, PLASTIC PIPE, POWER POLE	SALV SAPP	SALVAGE STRUCTURAL ALUMINUM PLATE PIPE	TG TM	TOP OF GRADE TECHNICAL MEMORANDUM	YR	YEAR
PDI	PREFORMED PERMEABLE LINER	SAPP	SOUTHBOUND	TO	TURNOUT	YRS	YEARS
PPL PPP	PERFORATED PLASTIC PIPE	SC SB	SAND CUSHION, SPIRAL CURVE POINT	TOT	TOTAL	671	ILMI/3
PRC	POINT OF REVERSE CURVE	SCSP	SLOTTED CORRUGATED STEEL PIPE	TP	TELEPHONE POLE		
PRF	PAVEMENT REINFORCING FABRIC	SD	STORM DRAIN	TPB	TREATED PERMEABLE BASE		
PRVC	POINT OF REVERSE VERTICAL CURVE	SEC	SECOND, SECTION	TPF	TRACTION POWER FACILITY		
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES	SEP	SEPARATION	TPM	TREATED PERMEABLE MATERIAL		
PS, P/S	POINT OF SWITCH, PRESTRESSED,	SG	SUBGRADE	TPSS	TRACTION POWER SUBSTATION		
'3, '/3	PARALLELING STATION	SHLD	SHOULDER	T/R	TOP OF RAIL		
PSP	PERFORATED STEEL PIPE	SHT	SHEET	TRANS	TRANSITION		
PT	POINT OF TANGENCY	SIM	SIMILAR	TRK	TRACK		
PVC	POLYVINYL CHLORIDE,	SJD	SAN JOSE DIRIDON STATION				
	POINT OF VERTICAL CURVE	305	2 332 31M33M 31M13M				
			DESIGNED BY				CALIEODNIA HIGH-SDEED TRAIN DROJE
			C. LEMLEY RECORD SET DRAWN BY 15% DESIGN				CALIFORNIA HIGH-SPEED TRAIN PROJECTION
			J. KIDWELL)			CENTRAL VALLEY WYE
			A. M.	PARSC	INS I	a	STRUCTURE, VIADUCT AND TUNNEL PLANS
			IN CHARGE NOT FOR C. LEMLEY CONSTRUCTION	•	CALIFORN	1A	ABBREVIATIONS

CONSTRUCTION

DATE 08/12/2016

BY CHK APP

DESCRIPTION

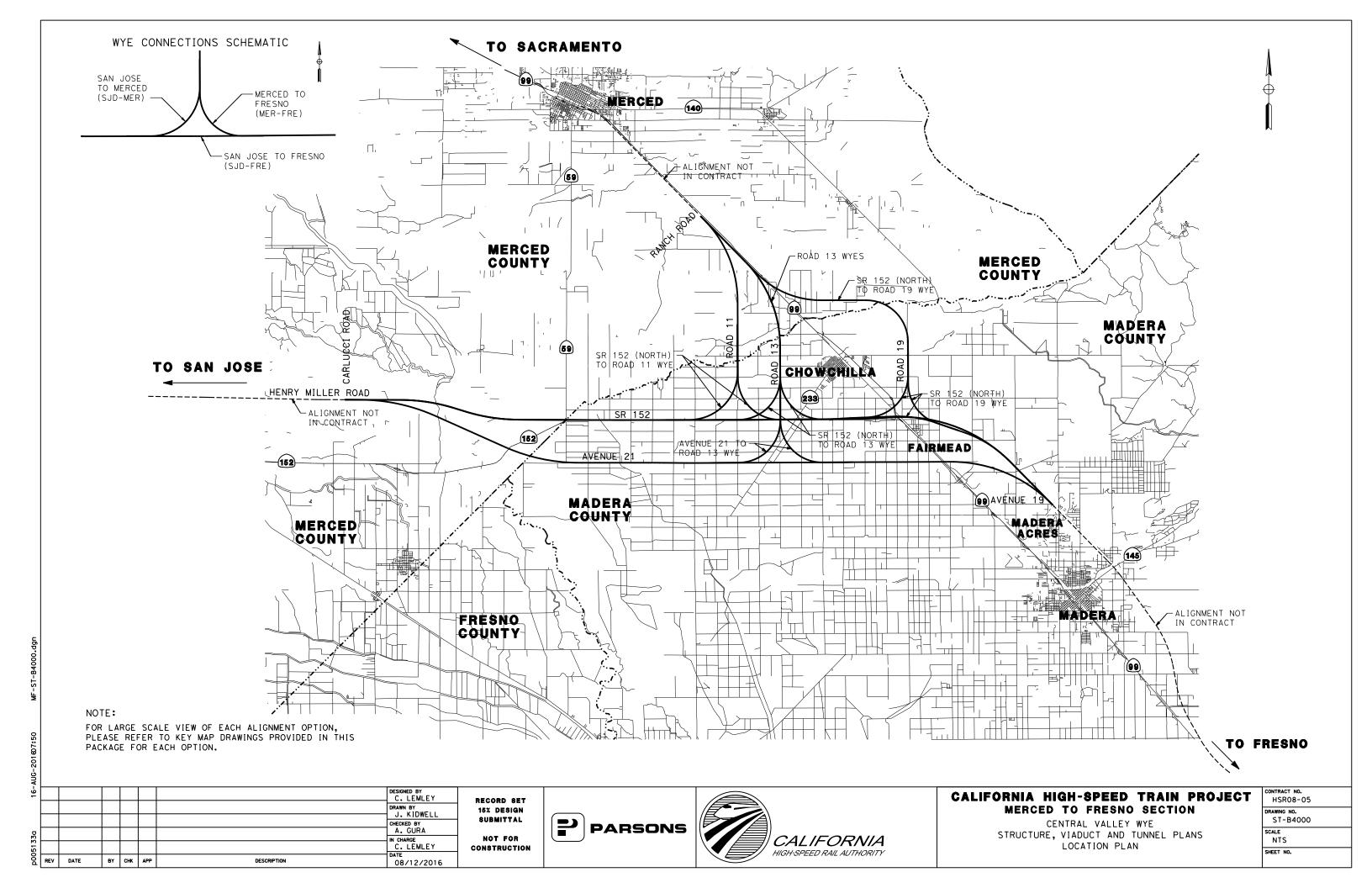
MERCED TO FRESNO SECTION

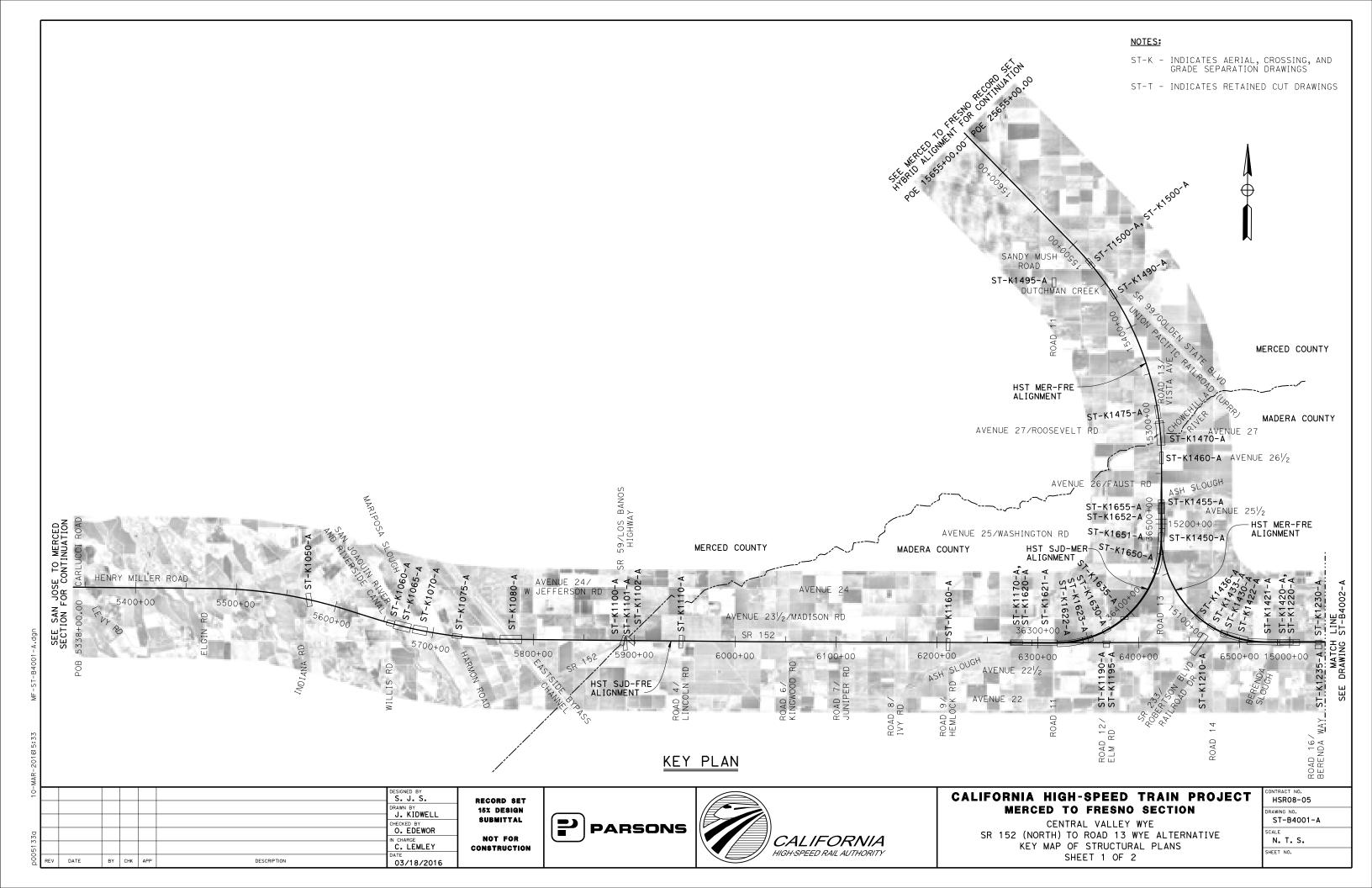
CENTRAL VALLEY WYE STRUCTURE, VIADUCT AND TUNNEL PLANS
ABBREVIATIONS

ECT	CONTRACT NO. HSRO8-05
	ST-B0011
	NO SCALE

SHEET NO.

SHEET 2 OF 2

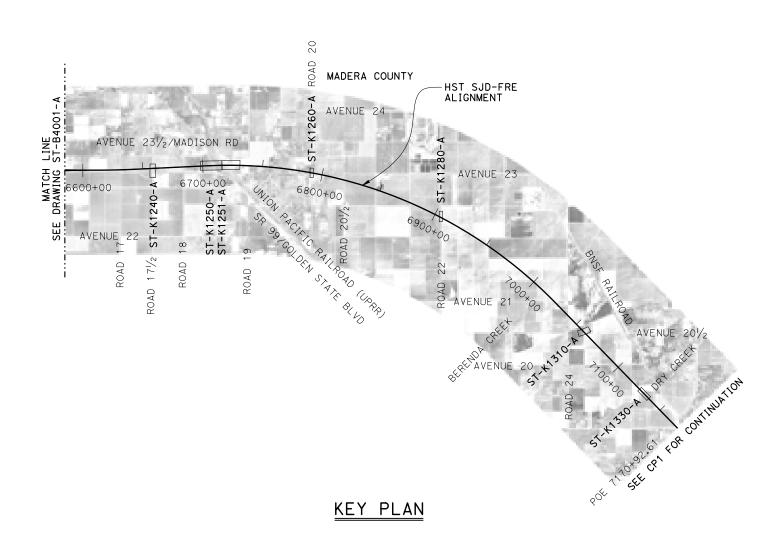




NOTES:

ST-K - INDICATES AERIAL, CROSSING, AND GRADE SEPARATION DRAWINGS





						DESIGNED BY	_
						DRAWN BY J. KIDWELL	
						CHECKED BY	
						A. GURA	
						C. LEMLEY	
REV	DATE	BY	СНК	APP	DESCRIPTION	03/18/2016	

RECORD SET 15% DESIGN SUBMITTAL NOT FOR

CONSTRUCTION





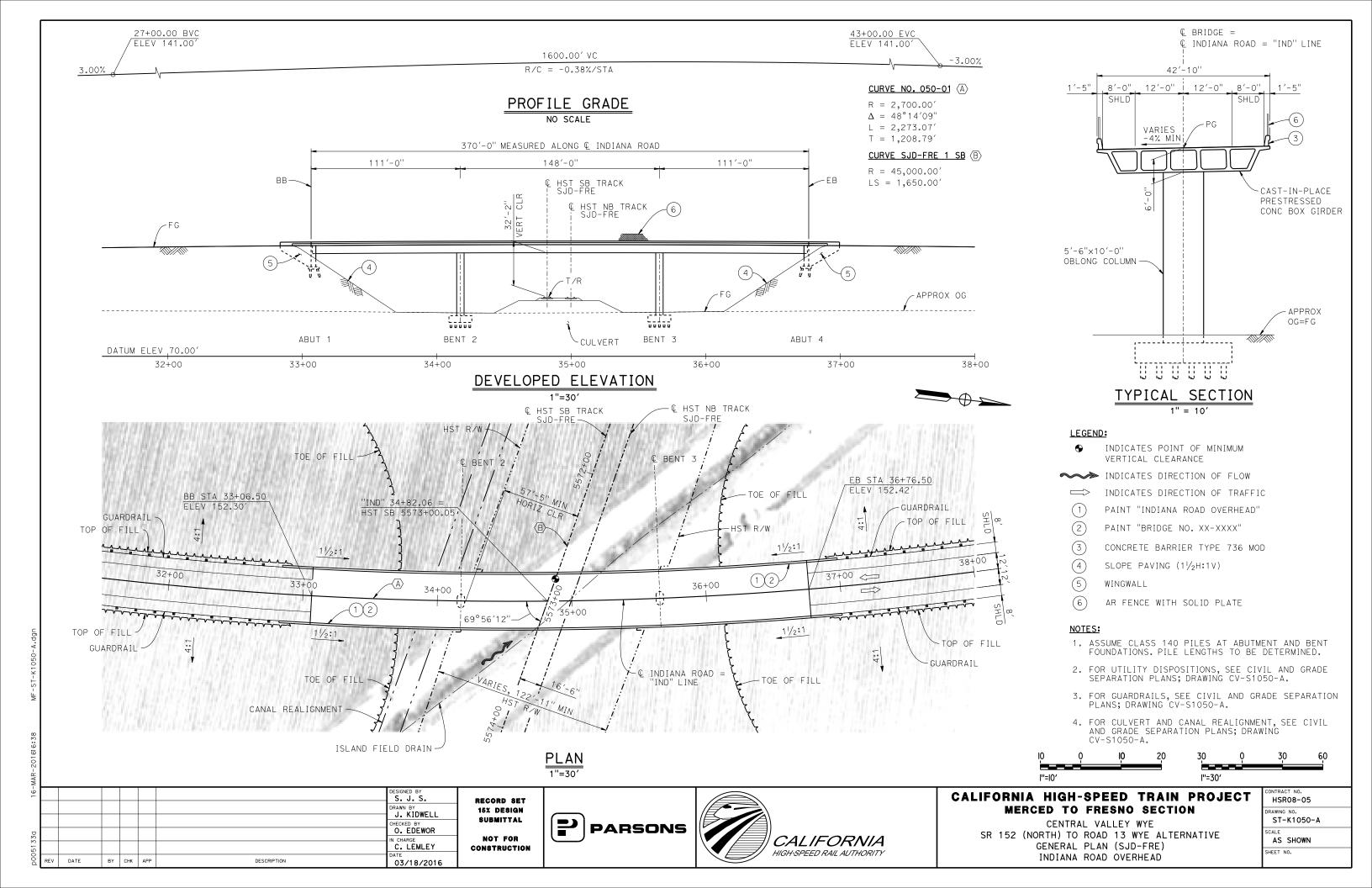
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

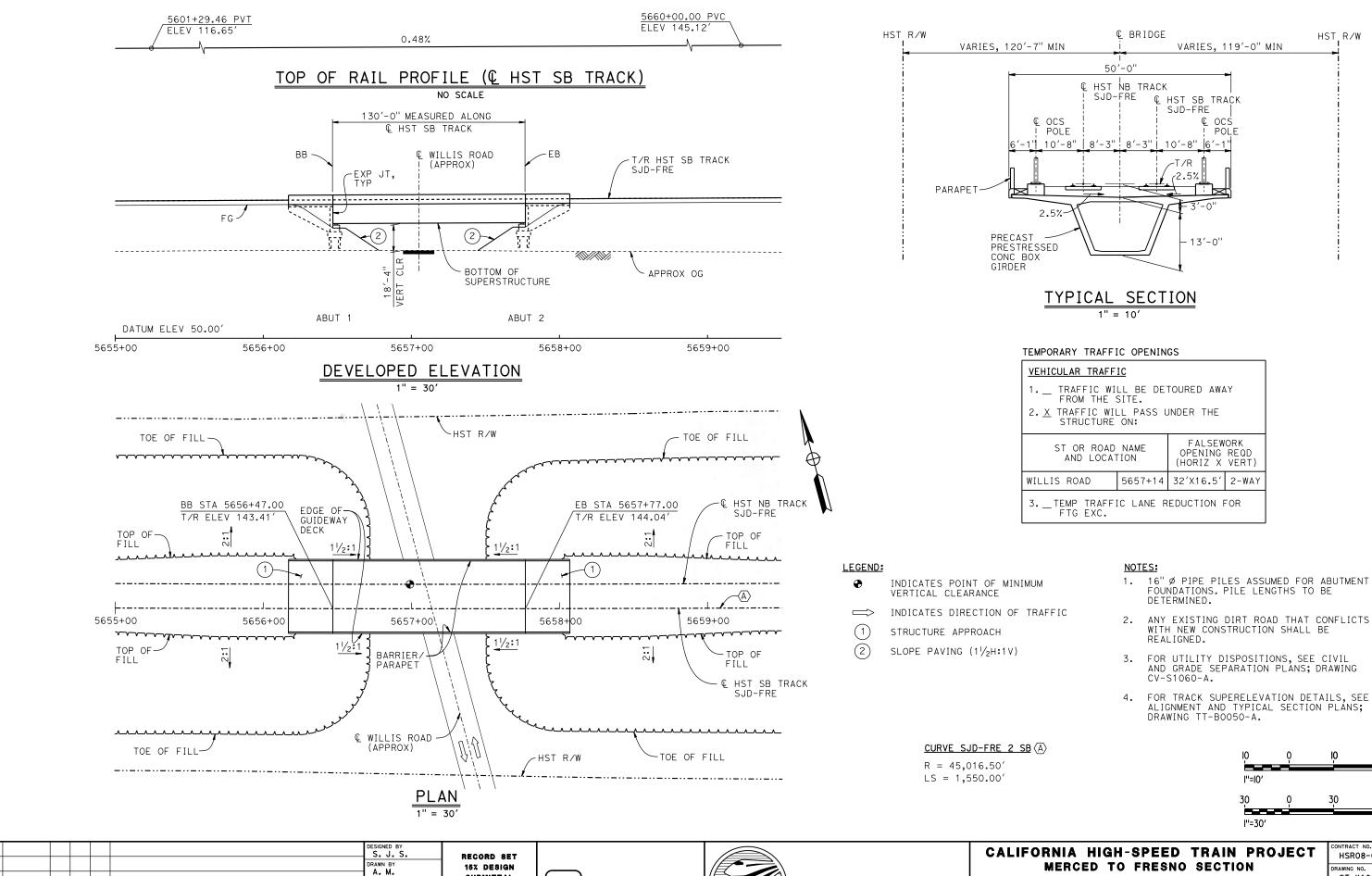
CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE KEY MAP OF STRUCTURAL PLANS SHEET 2 OF 2

•	CONTRACT NO. HSR08-05
	DRAWING NO. ST-B4002-A
	SCALE N T S

SHEET NO.

			DESIGNED BY
			DRAWN BY J. KIDWELL
			CHECKED BY
			A. GURA
			C. LEMLEY
			DATE





PARSONS

CALIFORNIA

HIGH-SPEED RAIL AUTHORITY

SUBMITTAL

NOT FOR

CONSTRUCTION

O. EDEWOR

IN CHARGE

C. LEMLEY

02/13/2015

DATE

BY CHK APP

DESCRIPTION

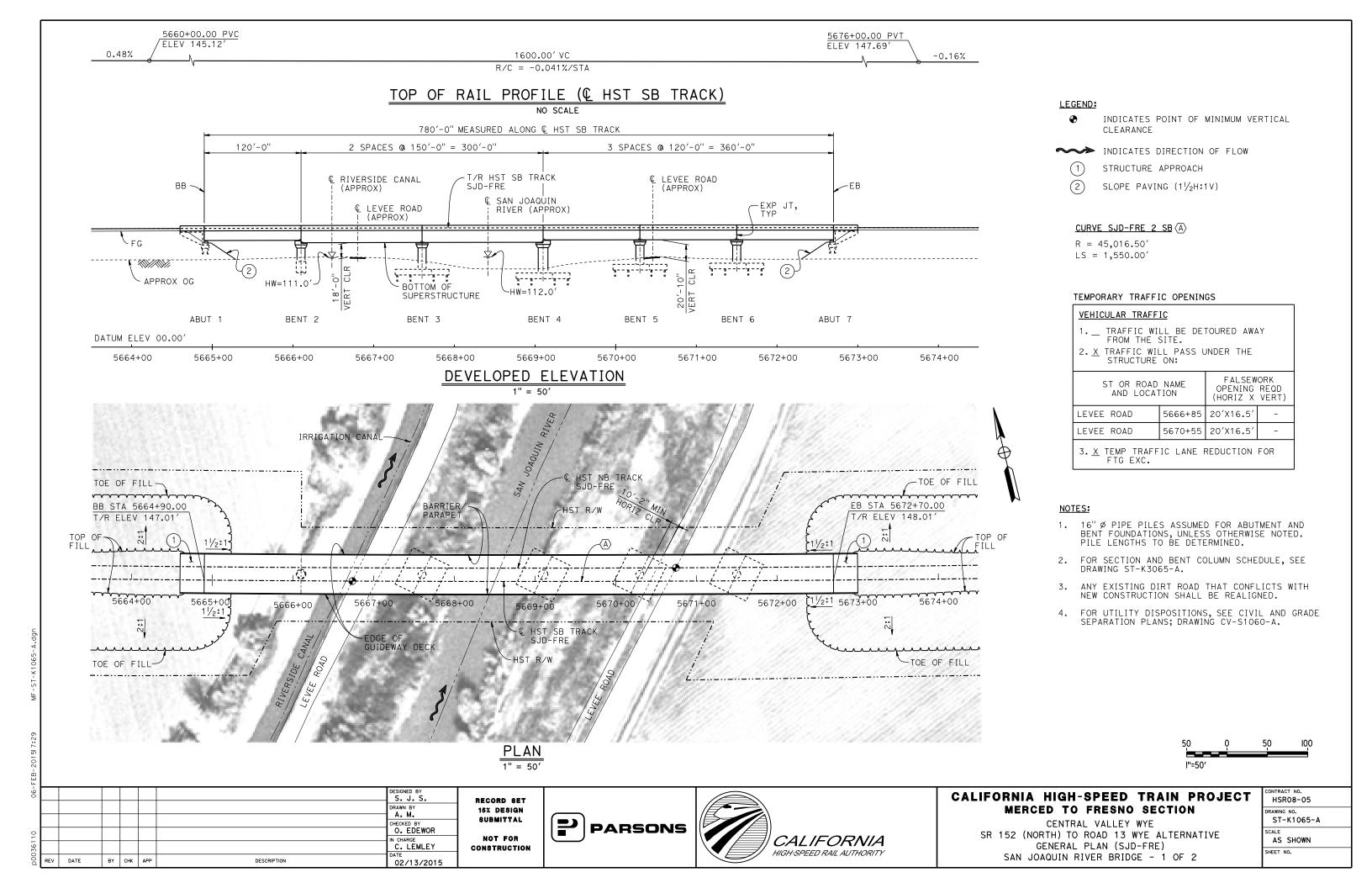
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE GENERAL PLAN (SJD-FRE) WILLIS ROAD UNDERPASS

HSR08-05 RAWING NO. ST-K1060-A AS SHOWN SHEET NO.

20

HST_R/W



€ BRIDGE

BENT COLUMN SCHEDULE						
BENT	CIDH					
2	10'-0" Ø	12'-0" Ø				
3	10'-0" Ø					
4	12'-0" Ø					
5 - 6	10'-0" Ø					

NOTES:

- 1. PILE AND DRILLED SHAFT LENGTHS TO BE DETERMINED.
- 2. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWING TT-BOO50-A.



H H								
-60							DESIGNED BY S. J. S.	
							DRAWN BY A. M.	
							CHECKED BY O. EDEWOR	İ
330							IN CHARGE	
p0051							C. LEMLEY DATE	(
ĕ	REV	DATE	BY	СНК	APP	DESCRIPTION	02/13/2015	

HST R/W

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION



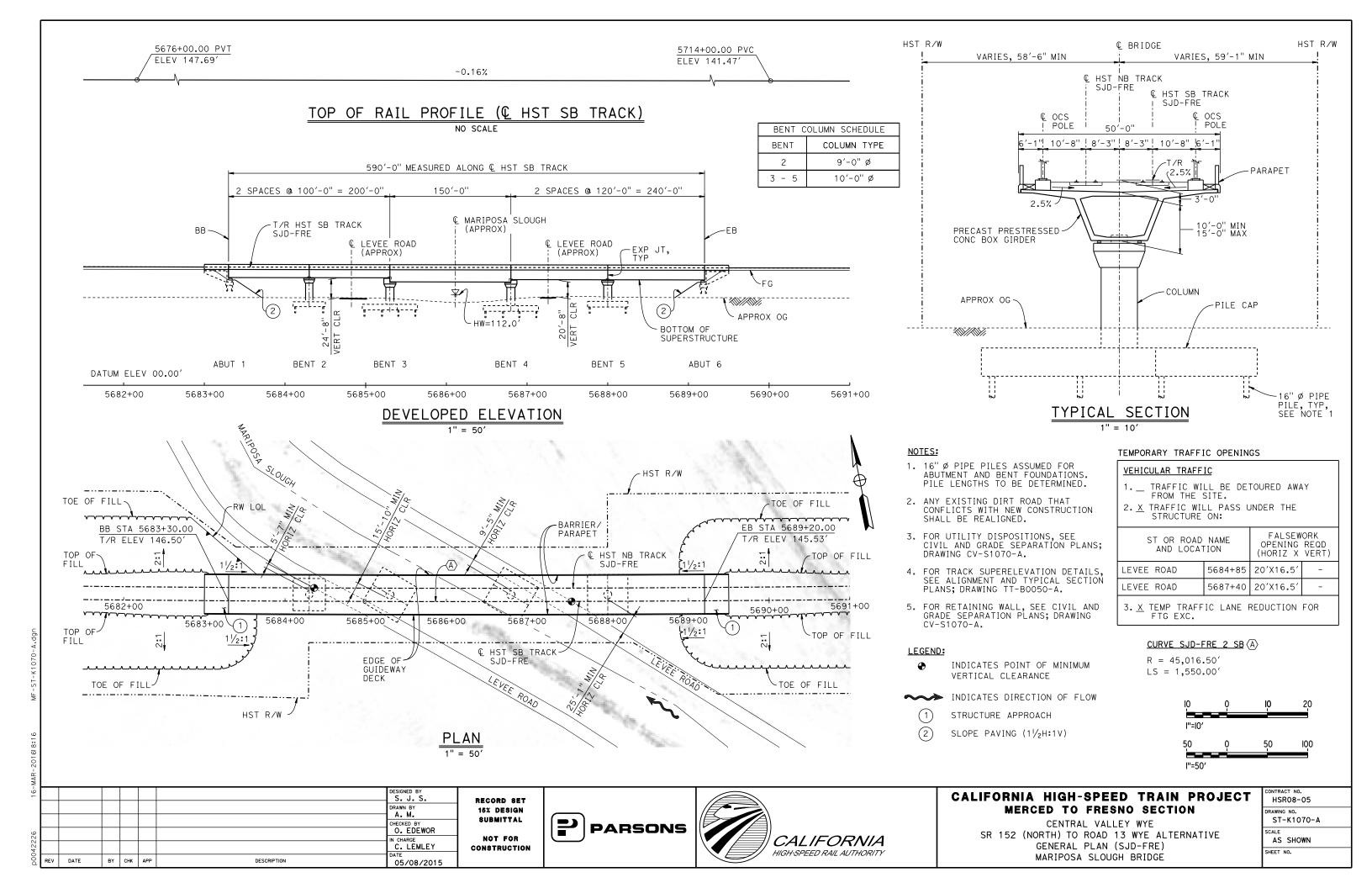


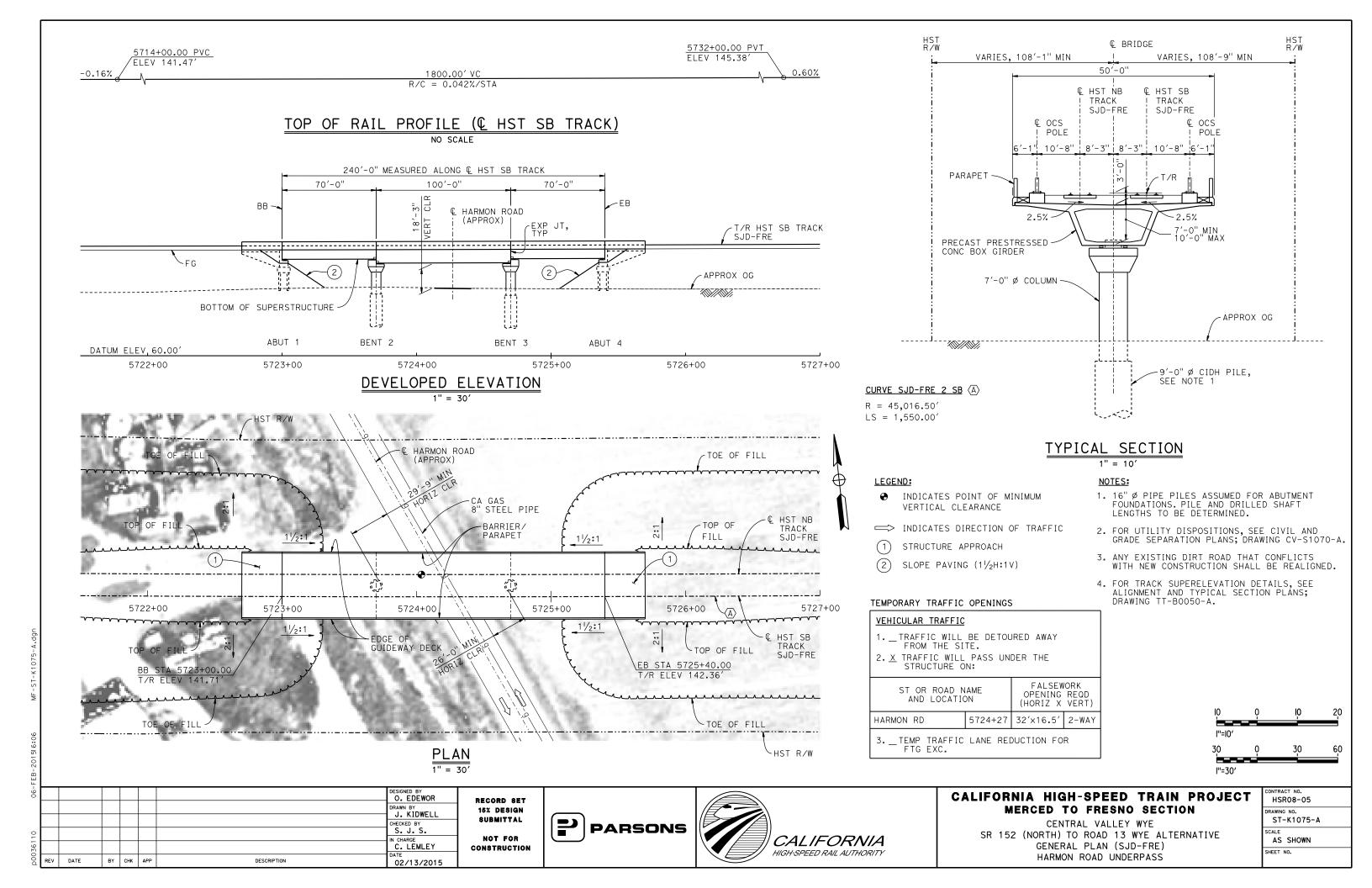
HST R/W

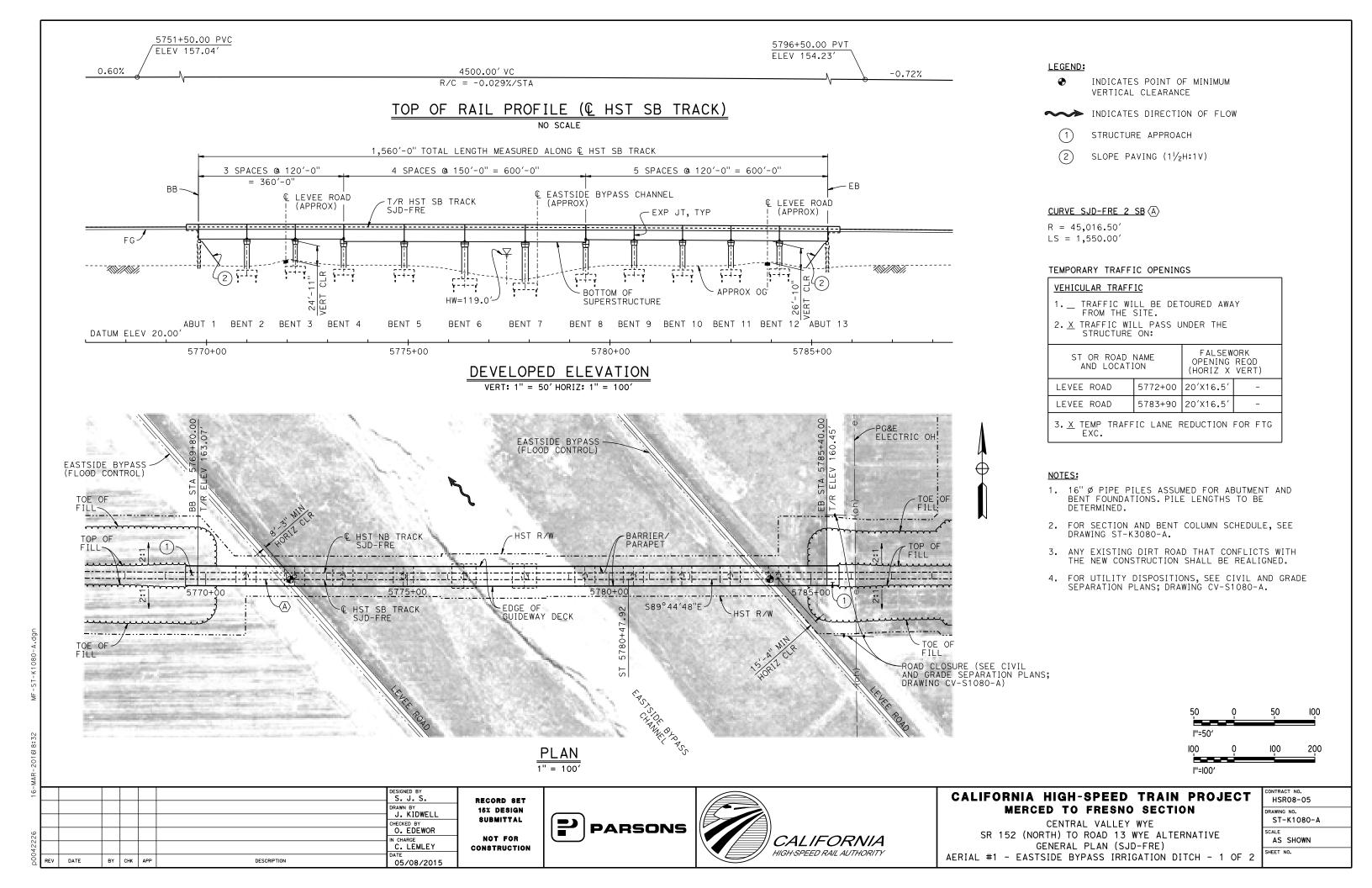
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

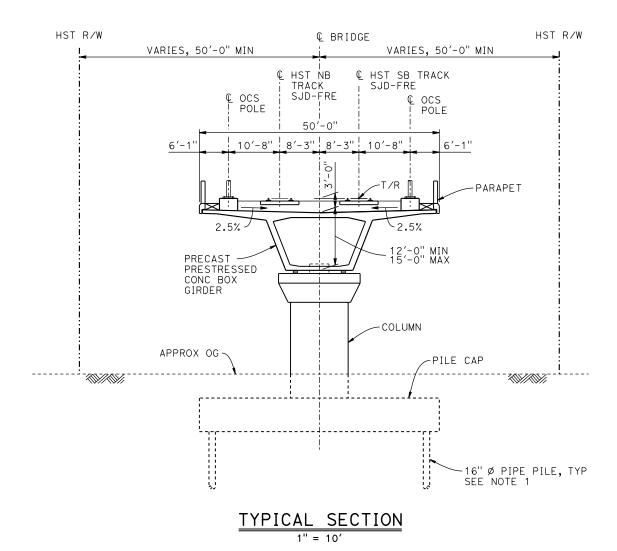
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION (SJD-FRE)
SAN JOAQUIN RIVER BRIDGE - 2 OF 2

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K3065-A
SCALE
AS SHOWN
SHEET NO.









BENT C	OLUMN SCHEDULE
BENT	COLUMN TYPE
2	12'-0" Ø
3	10'-0" Ø
4	12'-0" Ø
5	13'-0'' ø
6 - 7	15'-0" Ø
8 - 12	12'-0" ø

NOTES:

- 1. PILE LENGTHS TO BE DETERMINED.
- 2. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWING TT-B0050-A.



·FE								
-90							DESIGNED BY	_
							DRAWN BY J. KIDWELL	F
0							CHECKED BY O. EDEWOR	
1							IN CHARGE C. LEMLEY	C
p0036	REV	DATE	BY	снк	APP	DESCRIPTION	02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

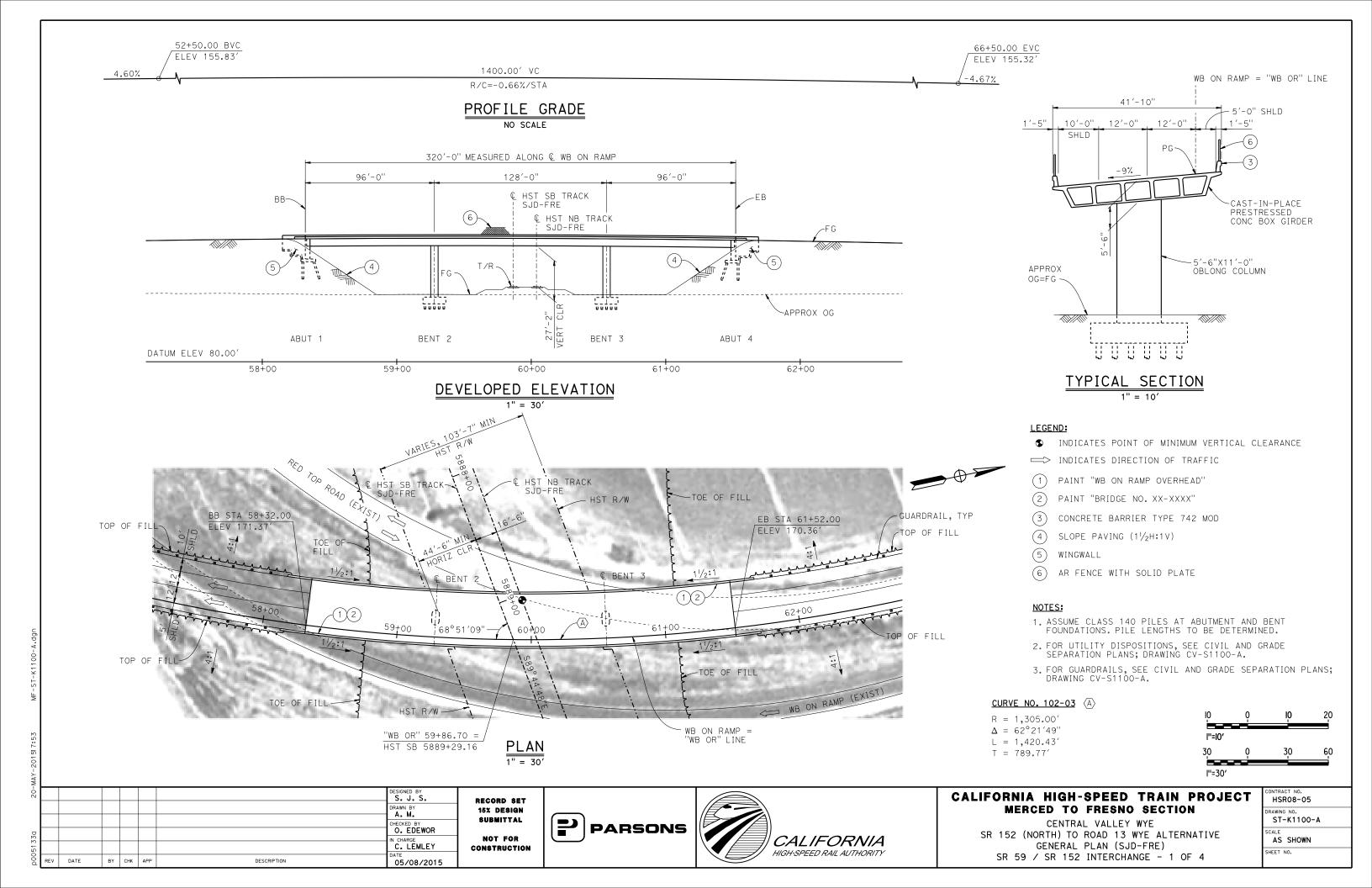


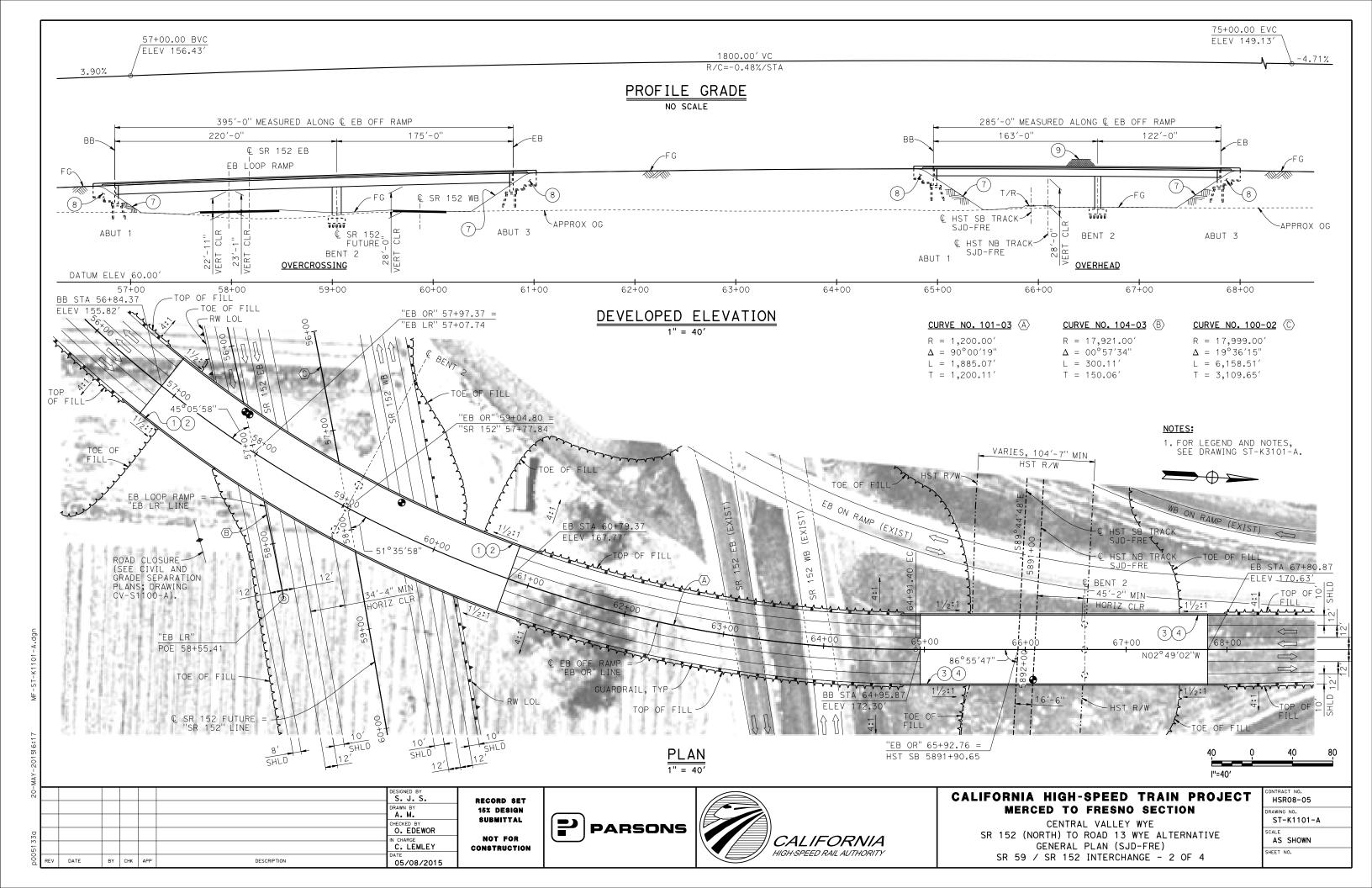


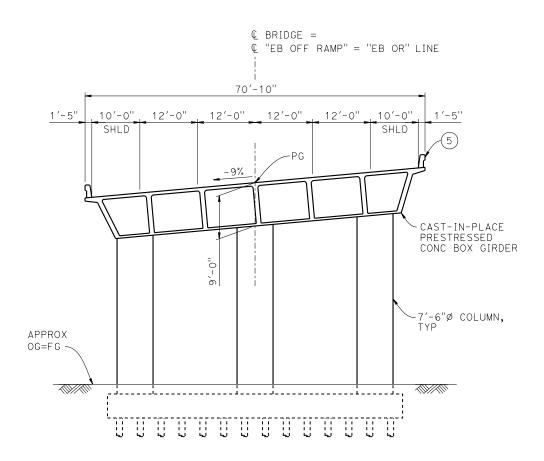
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION (SJD-FRE)
AERIAL #1 - EASTSIDE BYPASS IRRIGATION DITCH - 2 OF 2

-	CONTRACT NO.
	HSR08-05
	DRAWING NO.
	ST-K3080-A
	SCALE
	AS SHOWN
2	SHEET NO.



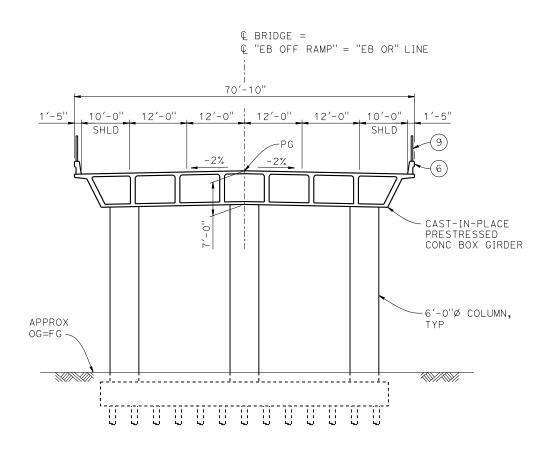




TYPICAL SECTION AT OVERCROSSING

LEGEND:

- ♠ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- (1) PAINT "EB OFF RAMP OVERCROSSING"
- (2) PAINT "BRIDGE NO. XX-XXXX"
- (3) PAINT "EB OFF RAMP OVERHEAD"
- 4 PAINT "BRIDGE NO. XX-XXXX"
- (5) CONCRETE BARRIER TYPE 742
- (6) CONCRETE BARRIER TYPE 736 MOD
- (7) SLOPE PAVING $(1\frac{1}{2}H:1V)$
- (8) WINGWALL
- 9) AR FENCE WITH SOLID PLATE



TYPICAL SECTION AT OVERHEAD

NOTES:

- 1. ASSUME CLASS 140 PILES AT ABUTMENT AND BENT FOUNDATIONS. PILE LENGTHS TO BE DETERMINED.
- 2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1100-A.
- 3. FOR RETAINING WALLS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1100-A.
- 4. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1100-A.



RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

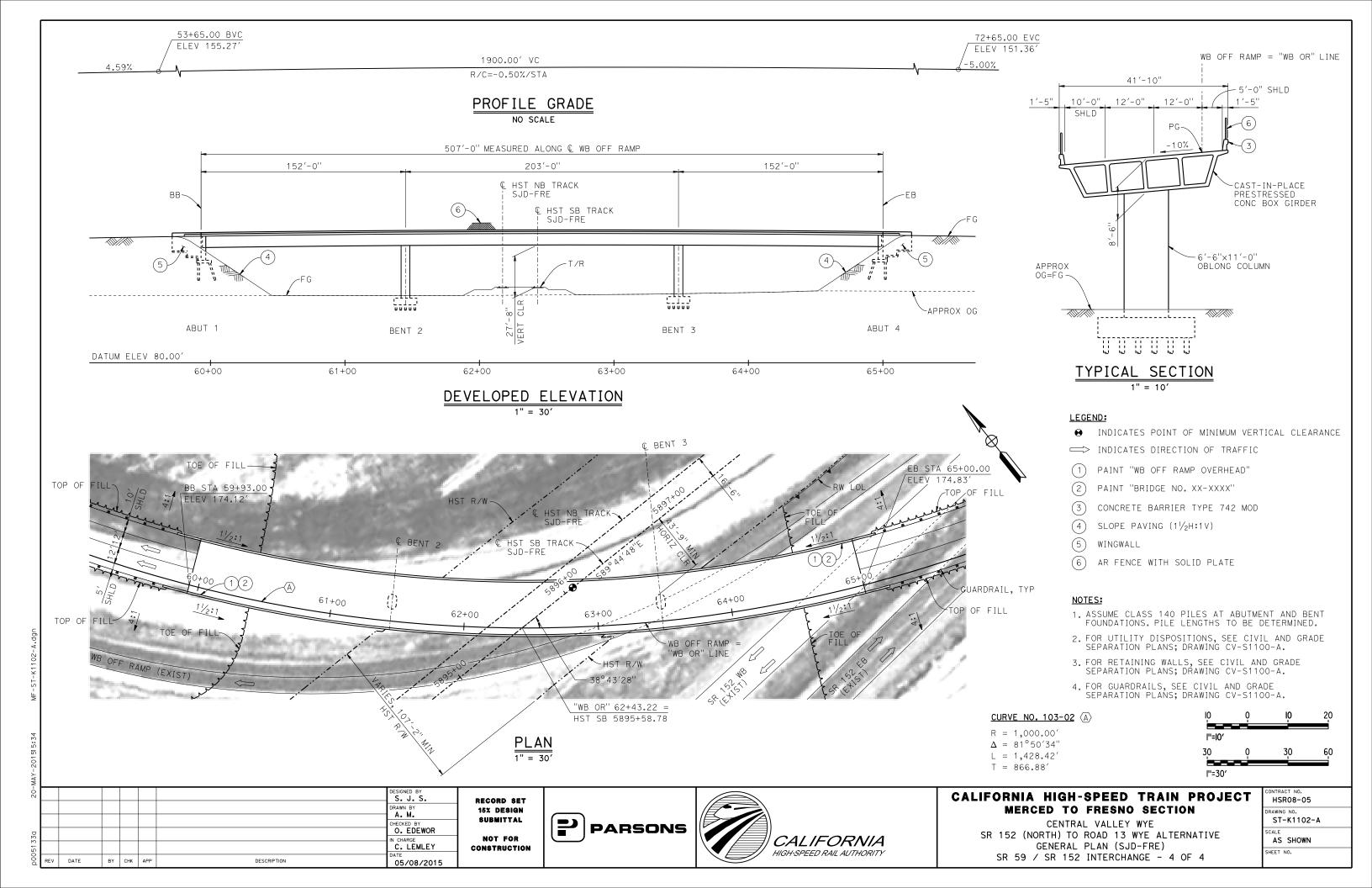


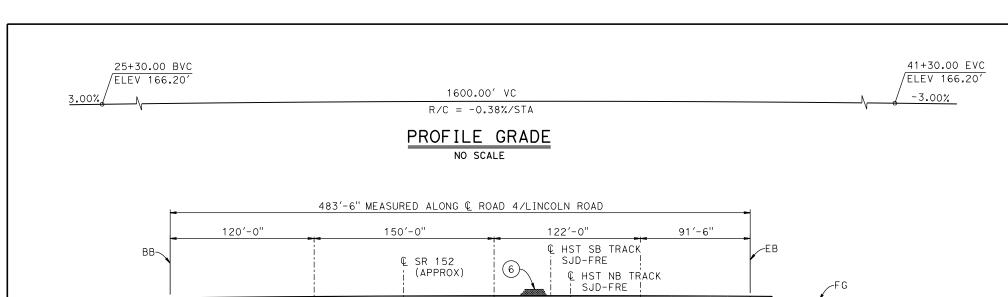


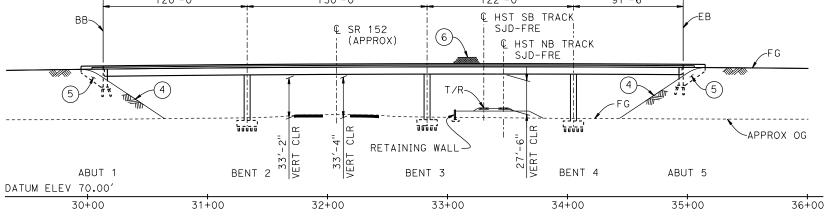
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTIONS (SJD-FRE)
SR 59 / SR 152 INTERCHANGE - 3 OF 4

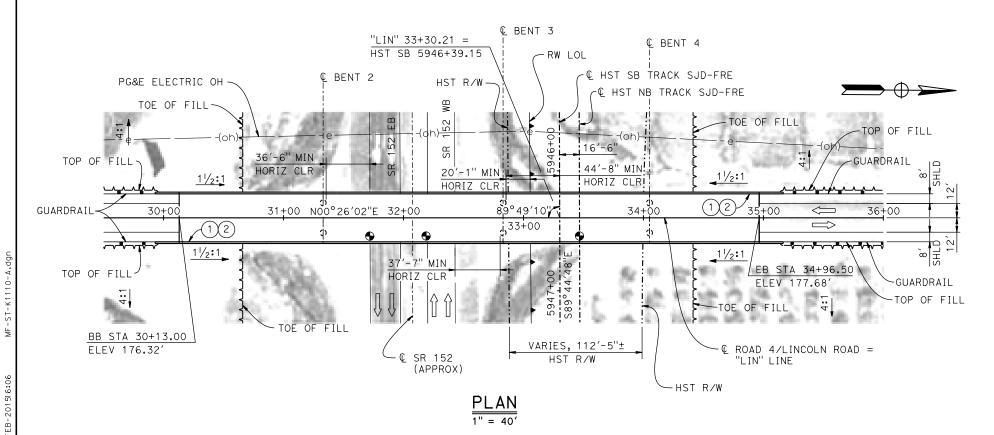
CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K3101-A
SCALE
AS SHOWN
SHEET NO.







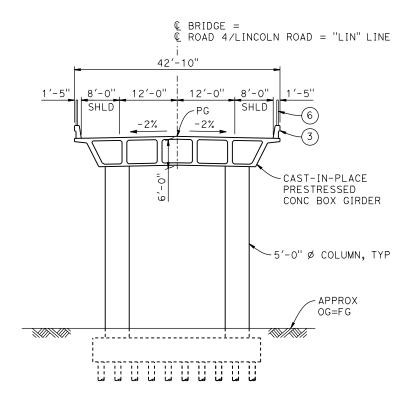
ELEVATION 1" = 40'



RECORD SET

SUBMITTAL

NOT FOR



TYPICAL SECTION 1" = 10'

TEMPORARY TRAFFIC OPENINGS

VEHICULAR TRAFFIC

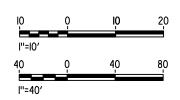
- 1. $_$ TRAFFIC WILL BE DETOURED AWAY FROM THE SITE.
- 2. \underline{X} TRAFFIC WILL PASS UNDER THE STRUCTURE ON:

ST OR ROAD AND LOCA	FALSEWORK OPENING REQD (HORIZ × VERT)			
SR 152	31+83	40′x16.5′	E BND	
SR 152	32+30	40'x16.5' W BND		
3 TEMP TRAFF FTG EXC.	IC LANE R	EDUCTION F	OR	

LEGEND:

- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- PAINT "LINCOLN ROAD OVERHEAD"
- PAINT "BRIDGE NO. XX-XXXX"
- CONCRETE BARRIER TYPE 736 MOD
- (4) SLOPE PAVING $(1\frac{1}{2}H:1V)$
- (5) WINGWALL
- AR FENCE WITH SOLID PLATE

- 1. ASSUME CLASS 140 PILES AT ABUTMENT AND BENT FOUNDATIONS. PILE LENGTHS TO BE DETERMINED.
- 2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1110-A.
- 3. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS, DRAWING CV-S1110-A.
- 4. FOR RETAINING WALL, SEE CIVIL AND GRADE SEPARATION PLANS, DRAWING CV-S1110-A.



-90							DESIGNED BY O. EDEWOR	
							D. TAFOYA	1
							CHECKED BY	l
0							S. J. S.	1
361							IN CHARGE C. LEMLEY	c
D00d	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/13/2015	

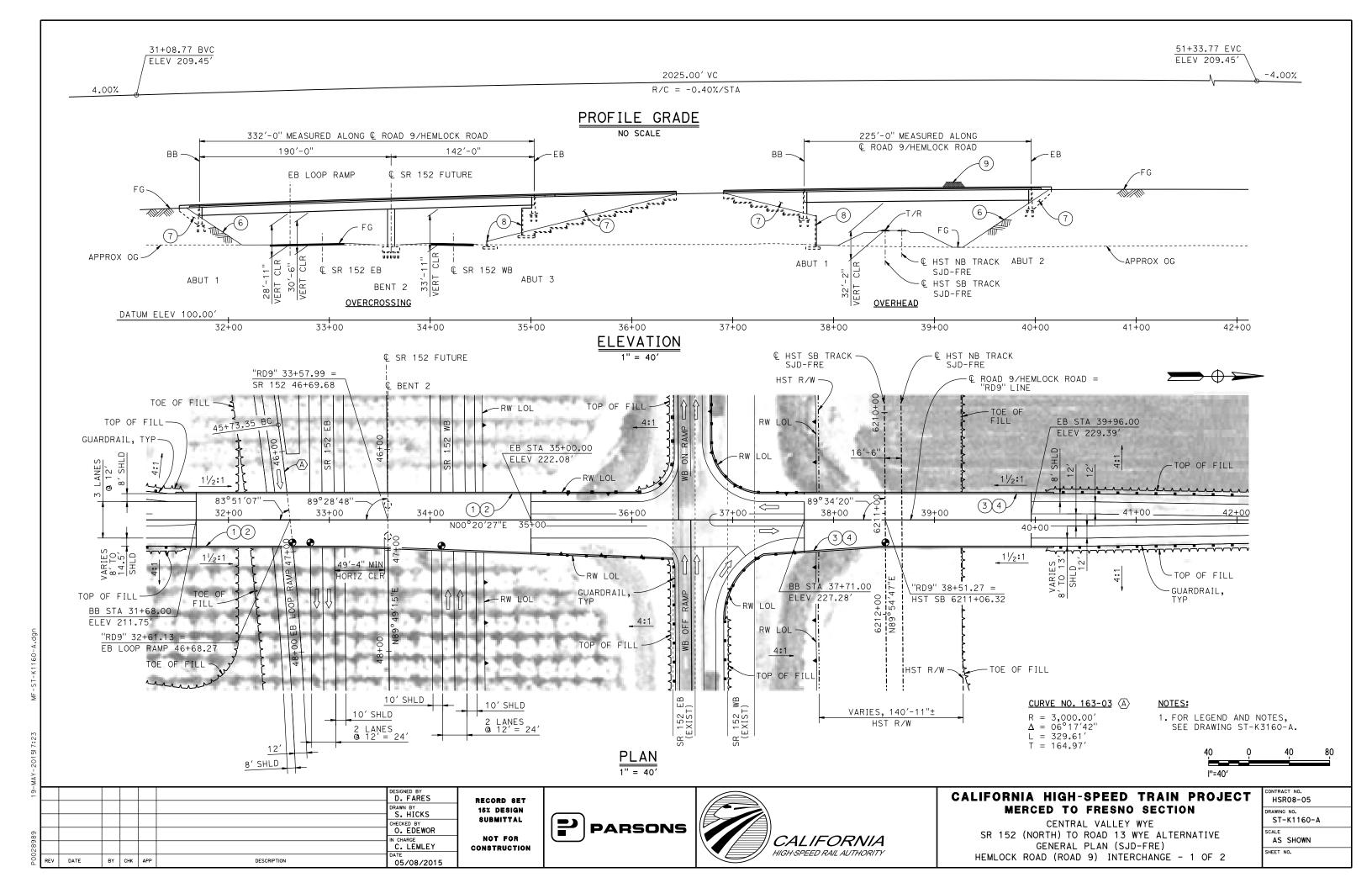
15% DESIGN **PARSONS** CONSTRUCTION



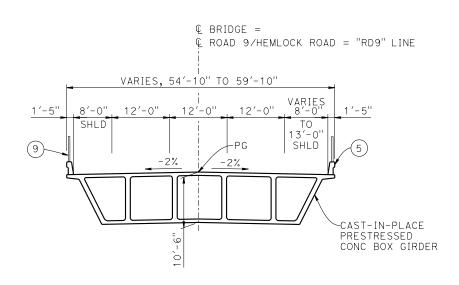
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE GENERAL PLAN (SJD-FRE) LINCOLN ROAD (ROAD 4) OVERHEAD

CONTRACT NO.								
HSR08-05								
DRAWING NO.								
ST-K1110-A								
SCALE								
AS SHOWN								
SHEET NO.								



TYPICAL SECTION AT OVERCROSSING



TYPICAL SECTION AT OVERHEAD

LEGEND:

- ◆ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- 1) PAINT "HEMLOCK ROAD OVERCROSSING"
- (2) PAINT "BRIDGE NO. XX-XXXX"
- (3) PAINT "HEMLOCK ROAD OVERHEAD"
- (4) PAINT "BRIDGE NO. XX-XXXX"
- (5) CONCRETE BARRIER TYPE 736 MOD
- 6) SLOPE PAVING $(1\frac{1}{2}H:1V)$
- 7) WINGWALL
- (8) RETAINING WALL
- (9) AR FENCE WITH SOLID PLATE

NOTES

- 1. ASSUME CLASS 140 PILES AT ABUTMENT AND BENT FOUNDATIONS. PILE LENGTHS TO BE DETERMINED.
- 2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1160-A.
- 3. FOR RETAINING WALLS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1160-A.
- 4. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1160-A.



DESIGNED BY
D. FARES
DRAWN BY
S. HICKS
CHECKED BY
O. EDEWOR
IN CHARGE
C. LEMLEY
DATE
BY CHK APP
DESCRIPTION
DATE
05/08/2015

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

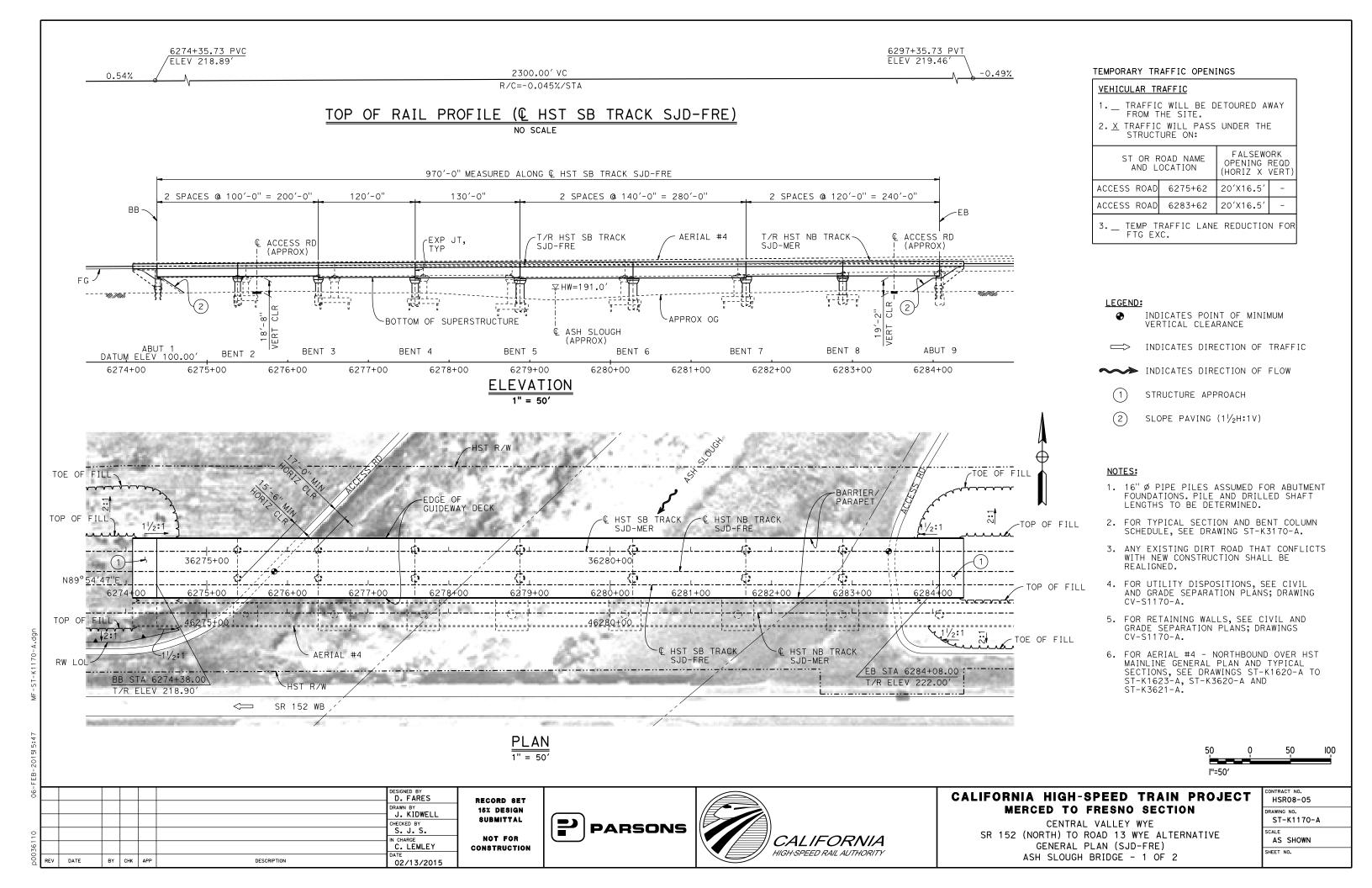


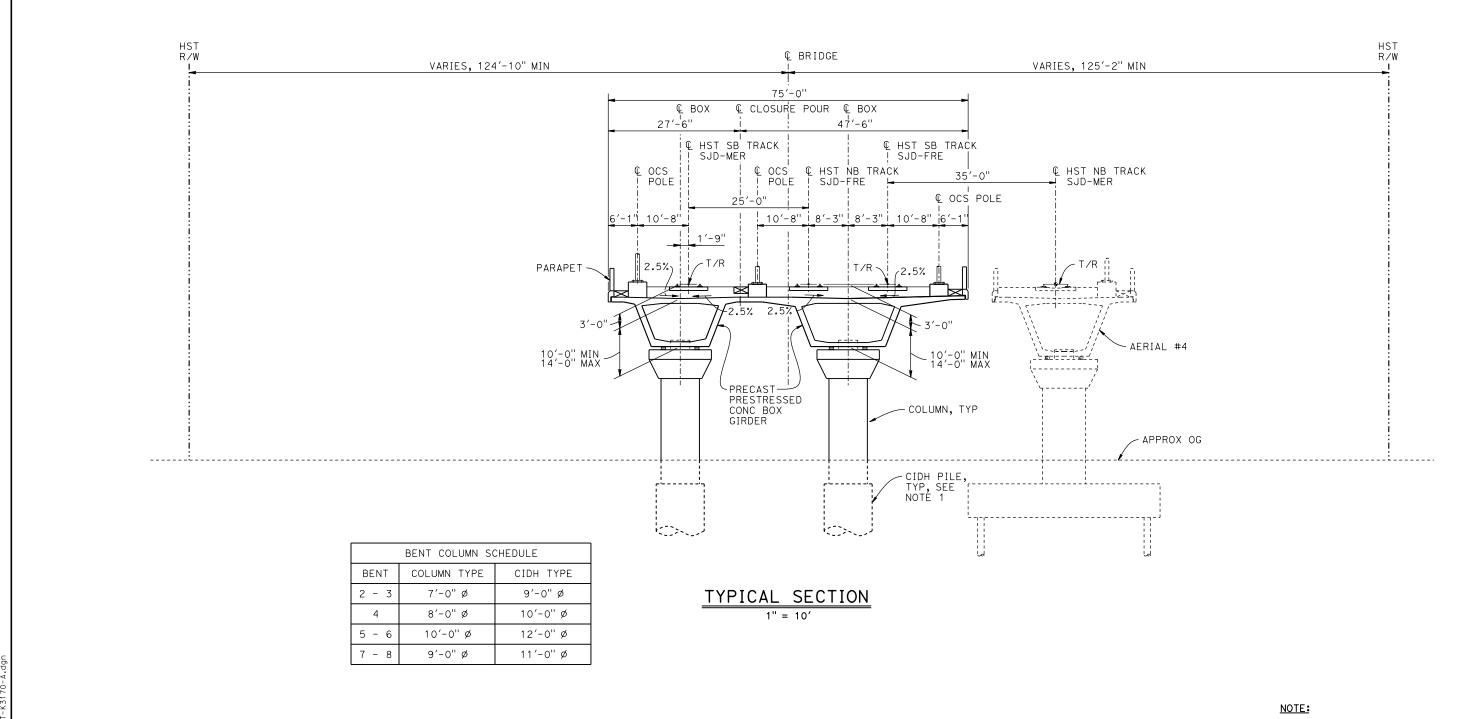


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTIONS (SJD-FRE)
HEMLOCK ROAD (ROAD 9) INTERCHANGE - 2 OF 2

CONTRACT NO.
HSRO8-05
DRAWING NO.
ST-K3160-A
SCALE
AS SHOWN





1. DRILLED SHAFT LENGTHS TO BE DETERMINED.



06-F							DESIGNED BY D. FARES	RI
							DRAWN BY J. KIDWELL	"1
0							CHECKED BY S. J. S.	•
3611							IN CHARGE C. LEMLEY	_{co}
D00d	REV	DATE	BY	снк	APP	DESCRIPTION	DATE 02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION



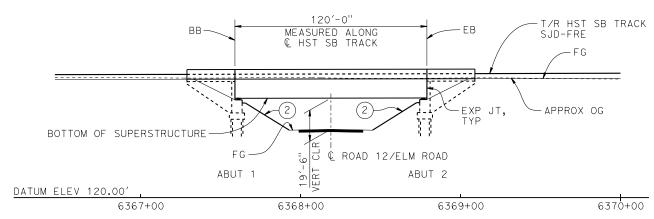


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

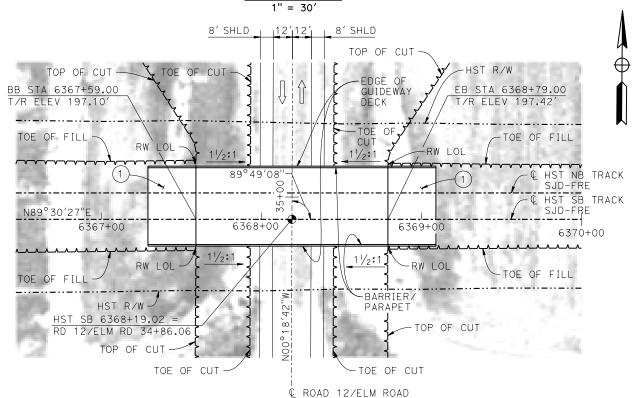
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION (SJD-FRE)
ASH SLOUGH BRIDGE - 2 OF 2

HSRO8-05						
DRAWING NO.						
ST-K3170-A						
SCALE						
AS SHOWN						
SHEET NO.						

TOP OF RAIL PROFILE (C HST SB TRACK)



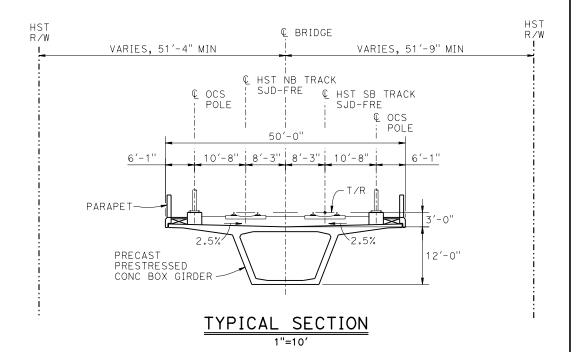
ELEVATION



PLAN

LEGEND:

- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- (1) STRUCTURE APPROACH
- (2) SLOPE PAVING $(1\frac{1}{2}H:1V)$



TEMPORARY TRAFFIC OPENINGS

VEHICULAR TRAFFIC

- 1. __ TRAFFIC WILL BE DETOURED AWAY FROM THE SITE.
- 2. $\underline{\mathbf{X}}$ TRAFFIC WILL PASS UNDER THE STRUCTURE ON:

STREET OR ROAD NAME

AND LOCATION

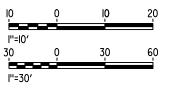
FALSEWORK
OPENING REQD
(HORIZ X VERT)

ROAD 12/ELM ROAD 6368+19 32'x16.5' 2-WAY

3. _ TEMP TRAFFIC LANE REDUCTION FOR FTG EXC.

NOTES:

- 16"Ø PIPE PILES ASSUMED FOR ABUTMENT FOUNDATIONS. PILE LENGTHS TO BE DETERMINED.
- 2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1190-A.
- 3. FOR RETAINING WALLS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1190-A.



₹								
5							DESIGNED BY O. EDEWOR	
							DRAWN BY S. HICKS	'
							CHECKED BY S. J. S.	ĺ
330							IN CHARGE C. LEMLEY	
poos	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE	C
Ω		08.1	01	CITIC	n' '	DESCRIPTION	03/18/2016	ı

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

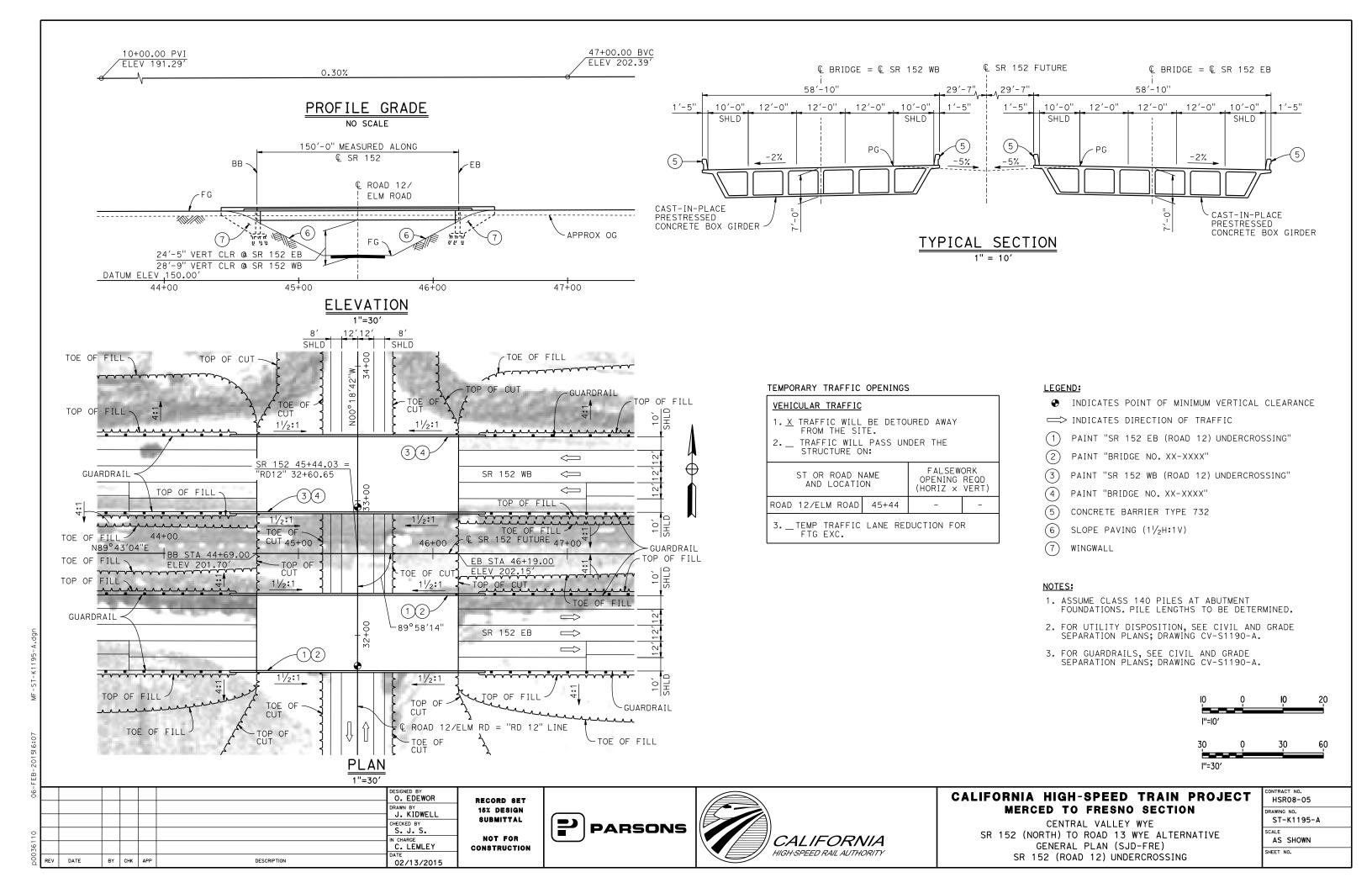


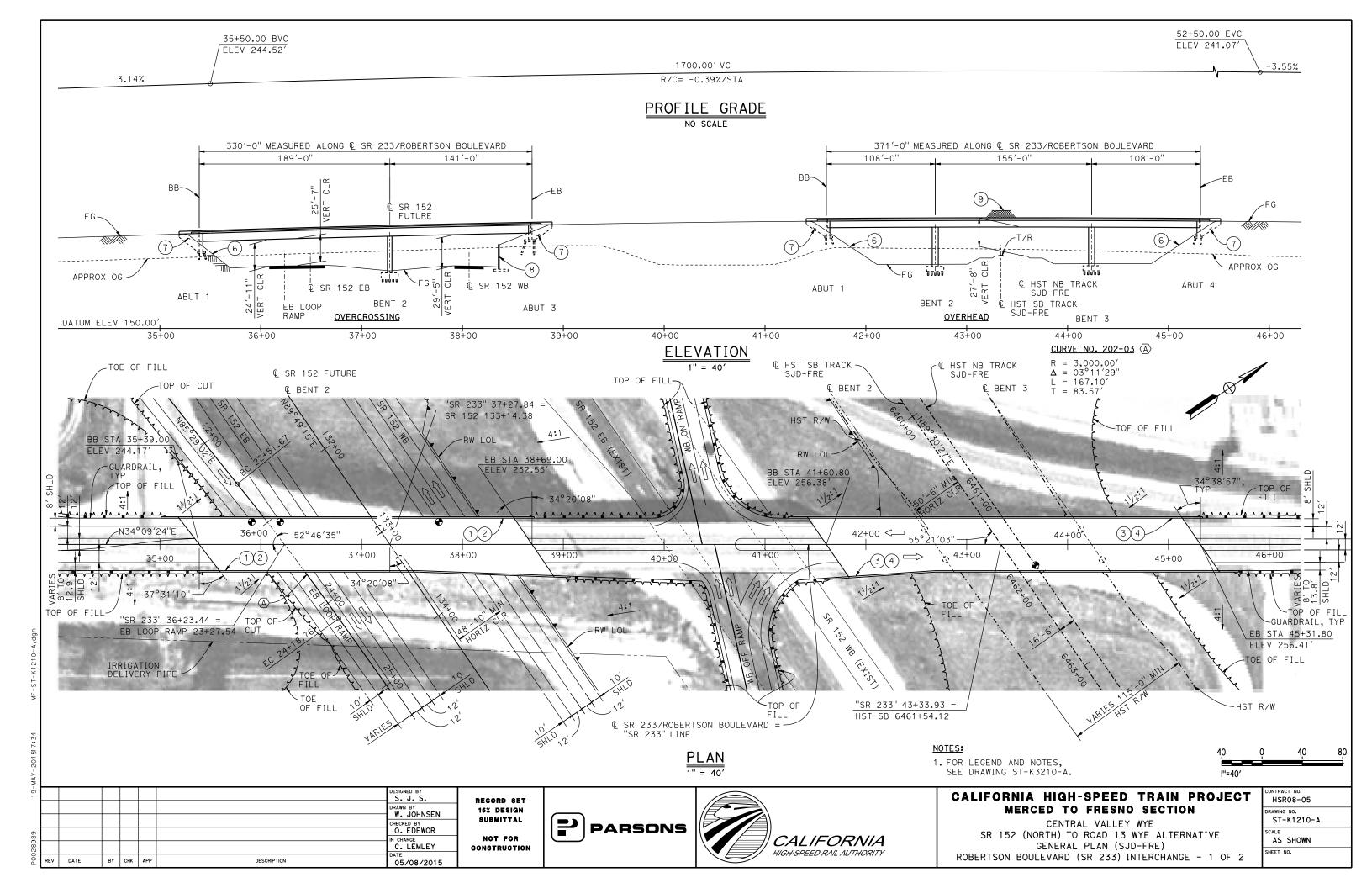


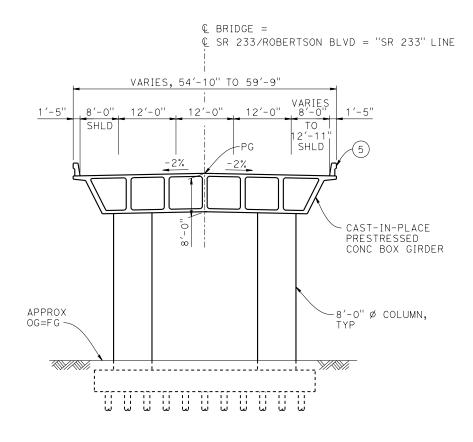
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
GENERAL PLAN (SJD-FRE)
ELM ROAD (ROAD 12) UNDERPASS

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K1190-A
SCALE
AS SHOWN
SHEET NO.







TYPICAL SECTION AT OVERCROSSING

TYPICAL SECTION AT OVERHEAD

© BRIDGE =

VARIES, 54'-10" TO 60'-8"

12'-0"

SHLD

APPROX

OG=FG

© SR 233/ROBERTSON BLVD = "SR 233" LINE

ТО

LEGEND:

- ◆ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- PAINT "ROBERTSON BLVD OVERCROSSING"
- 2 PAINT "BRIDGE NO. XX-XXXX"
- PAINT "ROBERTSON BLVD OVERHEAD"
- 4 PAINT "BRIDGE NO. XX-XXXX"
- CONCRETE BARRIER TYPE 736 MOD
- (6) SLOPE PAVING $(1\frac{1}{2}H:1V)$
- WINGWALL
- (8) RETAINING WALL
- AR FENCE WITH SOLID PLATE

- 1. ASSUME CLASS 140 PILES AT ABUTMENT AND BENT FOUNDATIONS. PILE LENGTHS TO BE DETERMINED.
- 2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1210-A.

CAST-IN-PLACE

CONC BOX GIRDER

PRESTRESSED

-6'-0" Ø COLUMN,

- 3. FOR RETAINING WALLS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1210-A.
- 4. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1210-A.



DESIGNED BY W. JOHNSEN O. EDEWOR C. LEMLEY BY CHK APP DESCRIPTION 05/08/2015

RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION

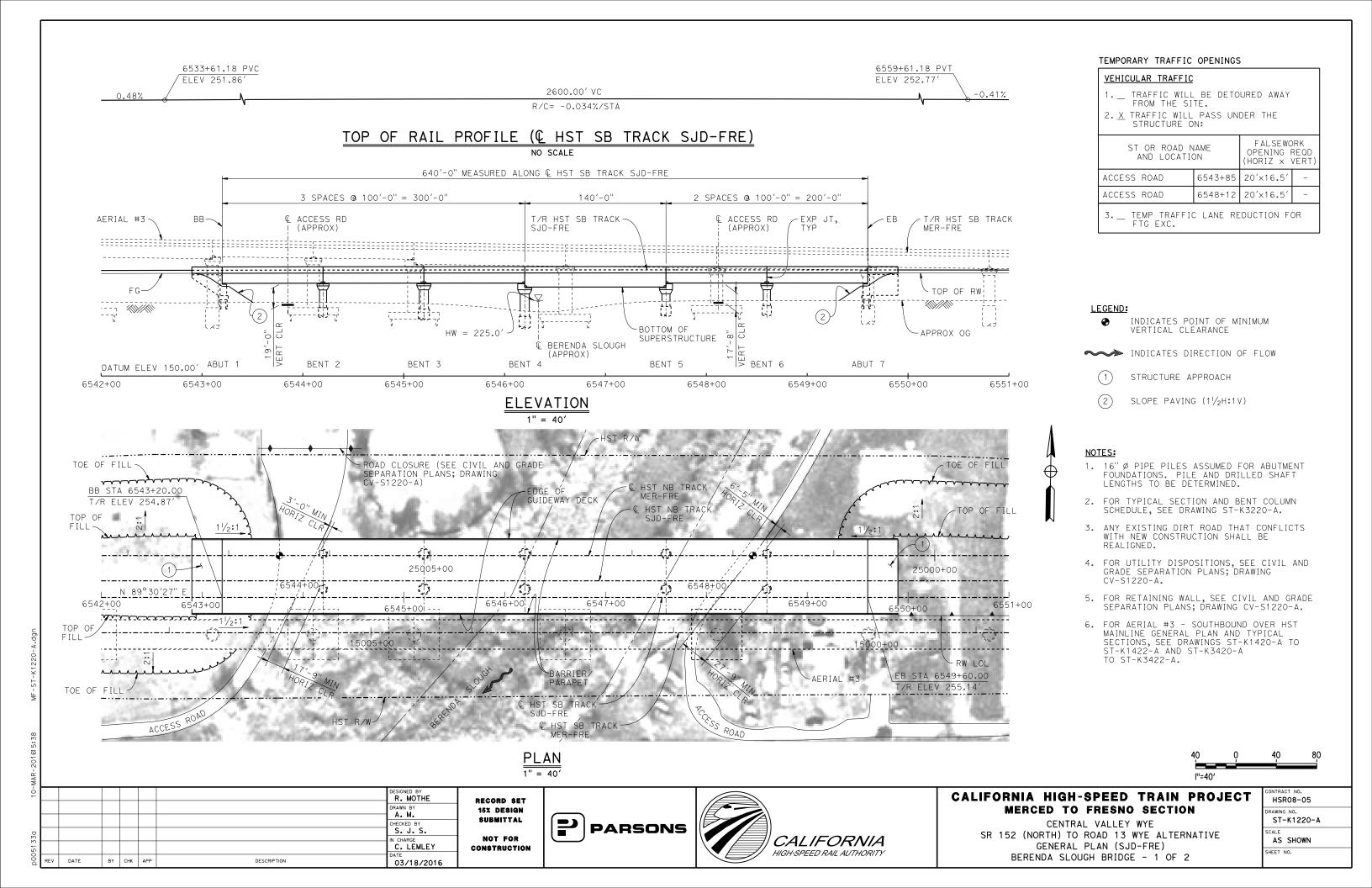


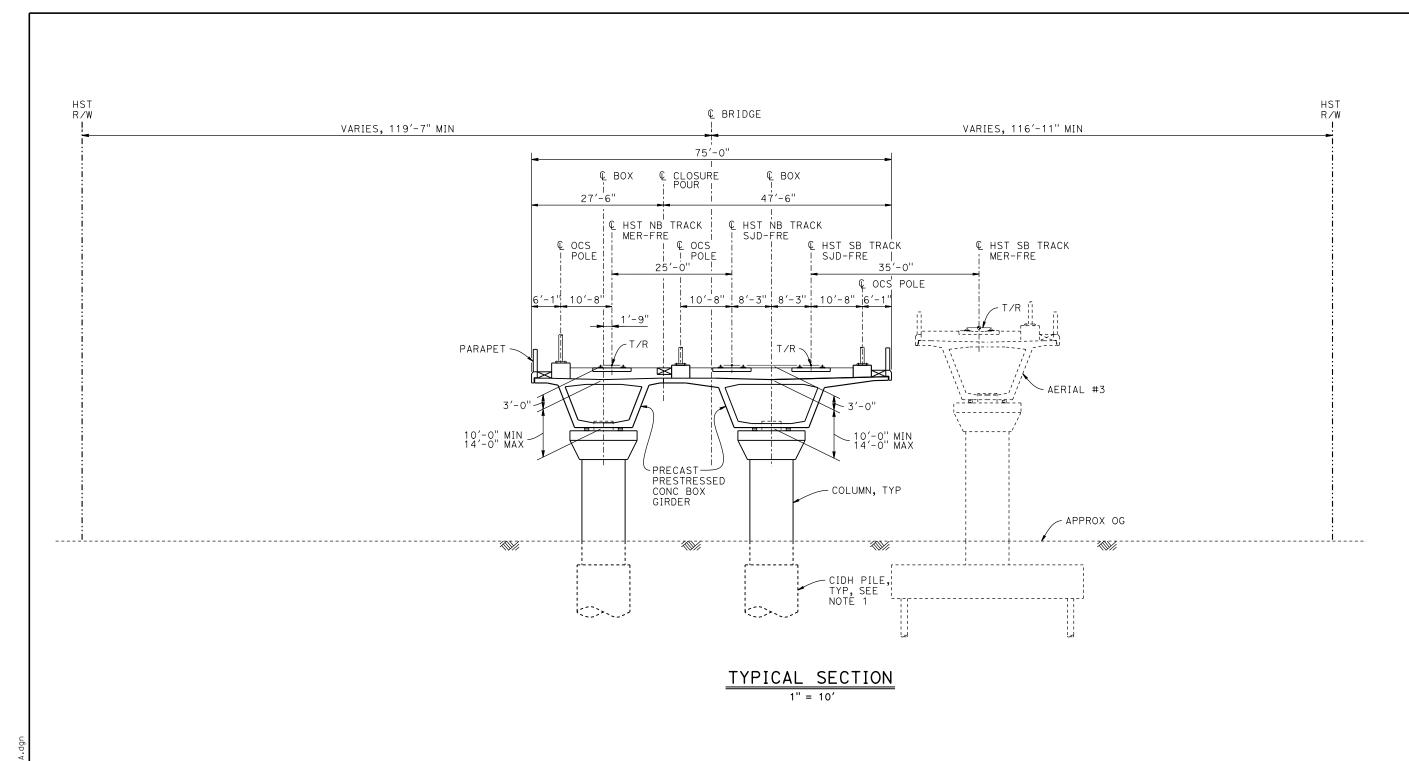


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TYPICAL SECTIONS (SJD-FRE) ROBERTSON BOULEVARD (SR 233) INTERCHANGE - 2 OF 2

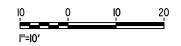
CONTRACT NO. HSR08-05
DRAWING NO. ST-K3210-A
AS SHOWN





BENT COLUMN SCHEDULE					
BENT	COLUMN TYPE	CIDH TYPE			
2	7'-0" ø	9'-0" ø			
3 - 4	9'-0" Ø	11'-0" ø			
5	8'-0" ø	10'-0" ø			
6	7′-0" Ø	9′-0'' ø			

1. DRILLED SHAFT LENGTHS TO BE DETERMINED.



_								
9							DESIGNED BY R. MOTHE	RI
							DRAWN BY	1
							CHECKED BY	8
0							S. J. S.	
0.36.1							C. LEMLEY	CO
ă	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

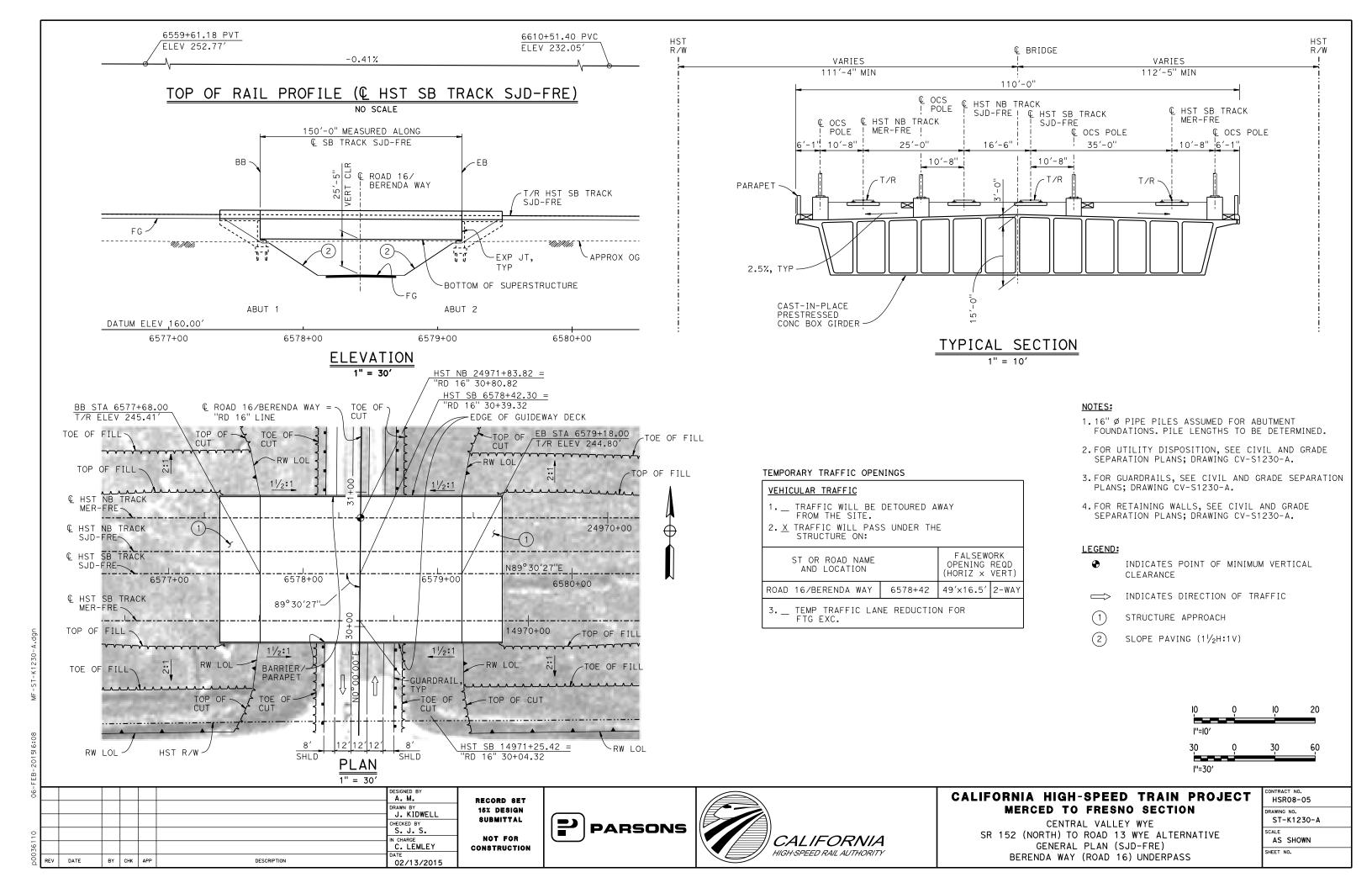


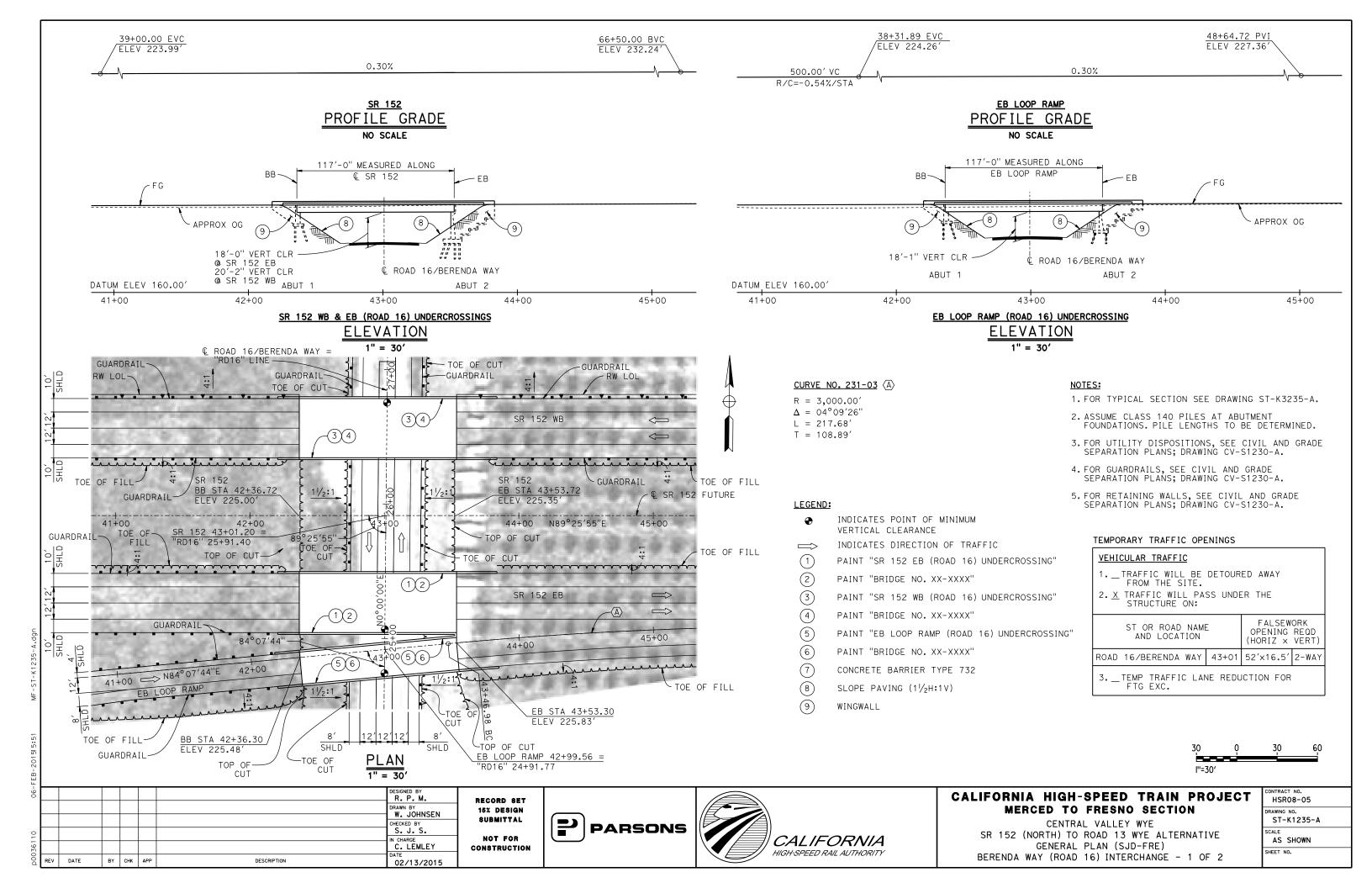


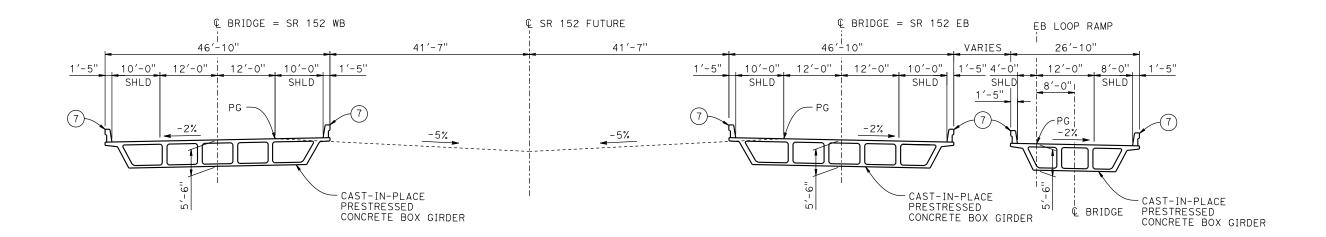
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION (SJD-FRE)
BERENDA SLOUGH BRIDGE - 2 OF 2

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K3220-A
SCALE
AS SHOWN
SHEET NO.







TYPICAL SECTION

H H								
-90							DESIGNED BY R. P. M.	RE:
							DRAWN BY W. JOHNSEN	15
							CHECKED BY S. J. S.	81
36110							IN CHARGE C. LEMLEY	CON
p003	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/13/2015	001

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
DONSTRUCTION

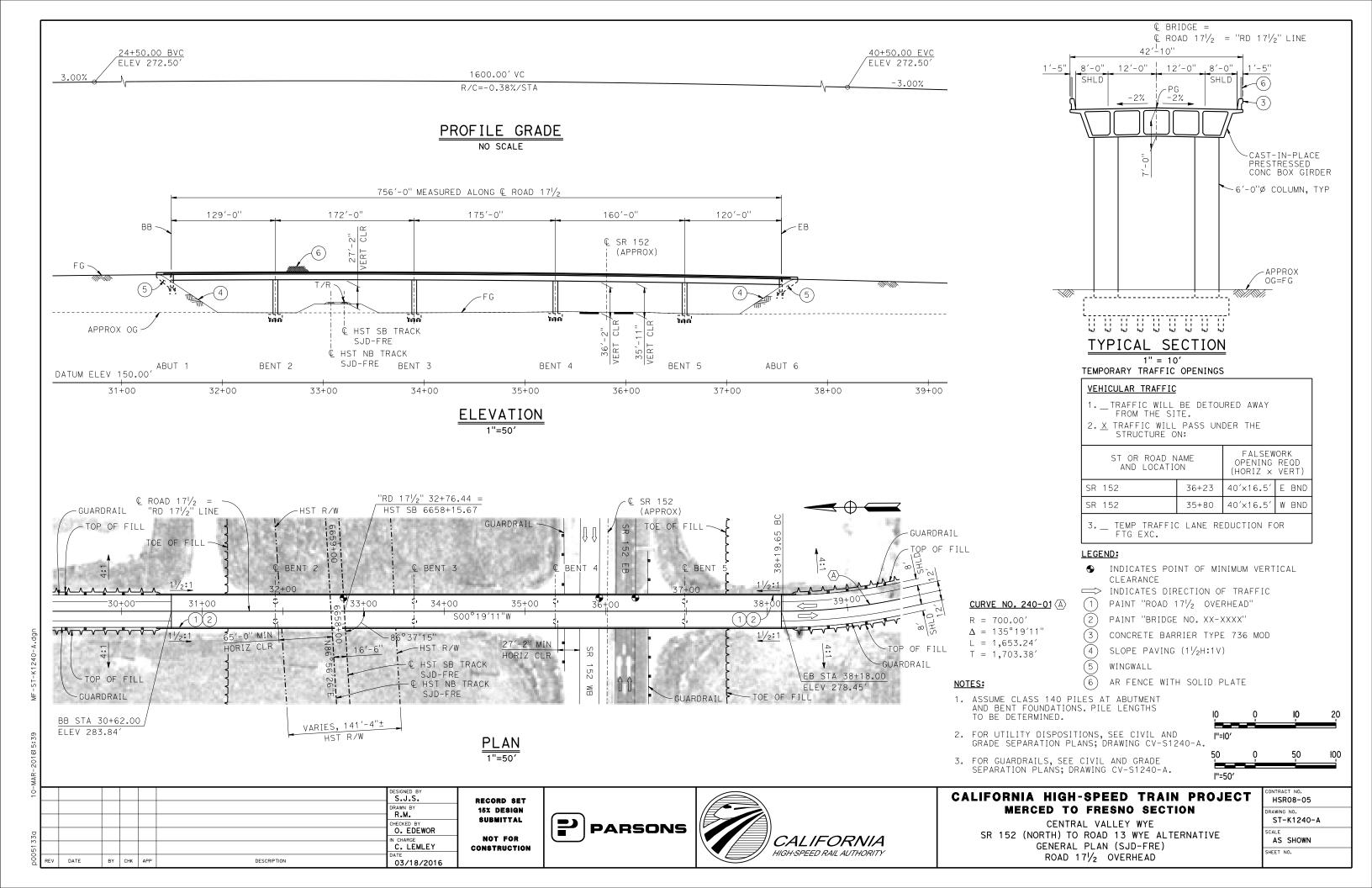


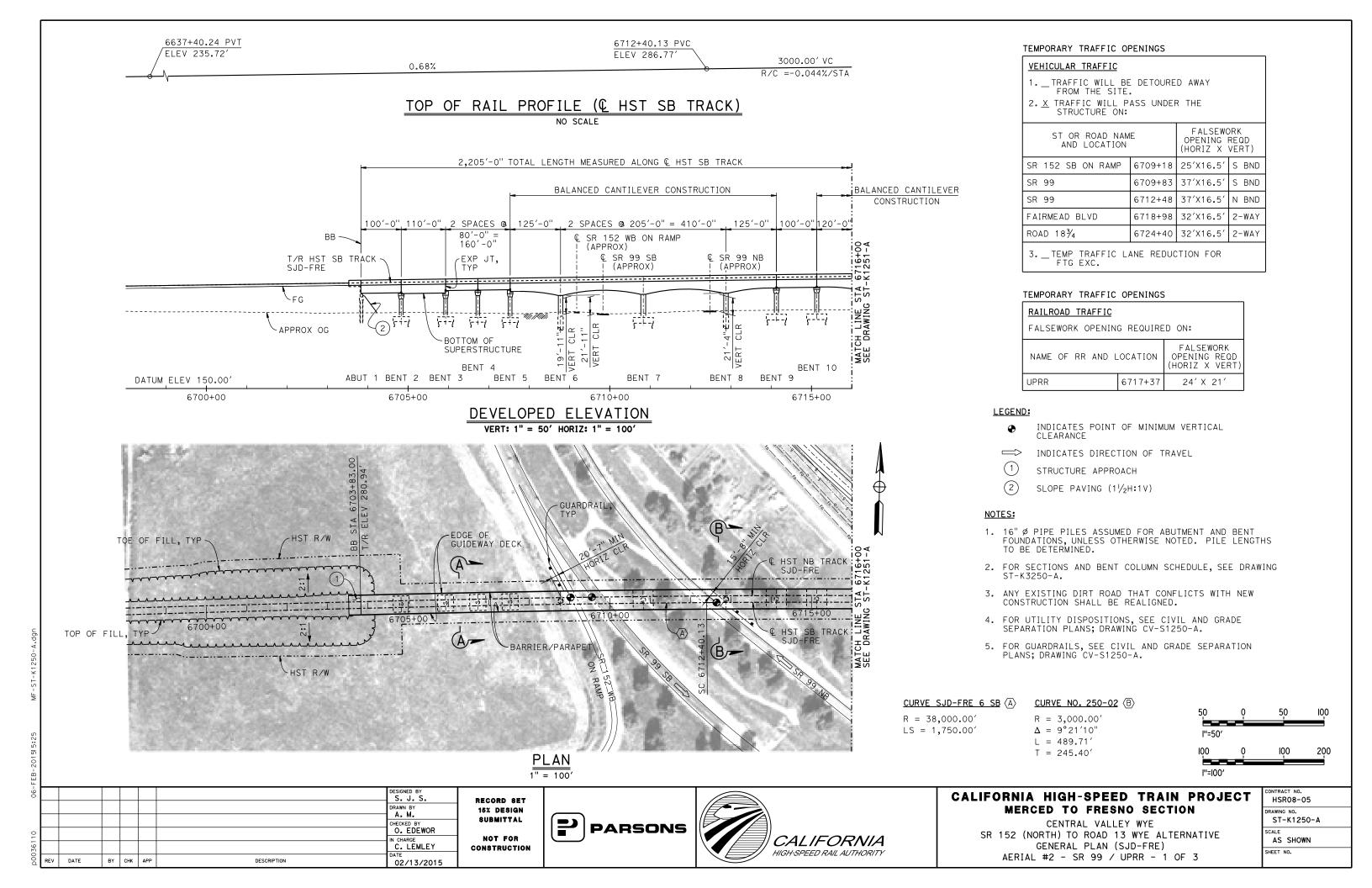


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

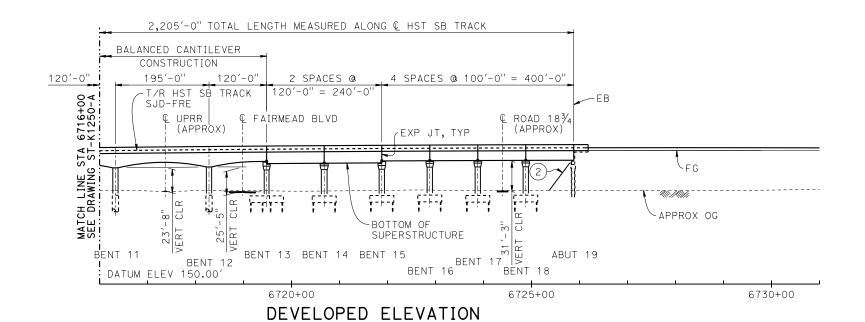
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION (SJD-FRE)
BERENDA WAY (ROAD 16) INTERCHANGE - 2 OF 2

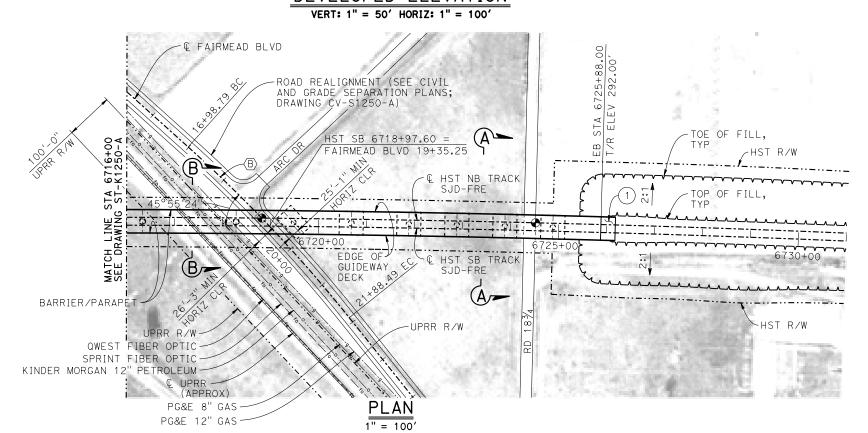
CONTRACT NO. HSR08-05
DRAWING NO.
ST-K3235-A
AS SHOWN
SHEET NO.

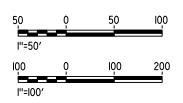




TOP OF RAIL PROFILE (HST SB TRACK) NO SCALE







DESIGNED BY DRAWN BY O. EDEWOR N CHARGE C. LEMLEY CONSTRUCTION BY CHK APP DESCRIPTION 03/18/2016

PARSONS

RECORD SET

15% DESIGN SUBMITTAL

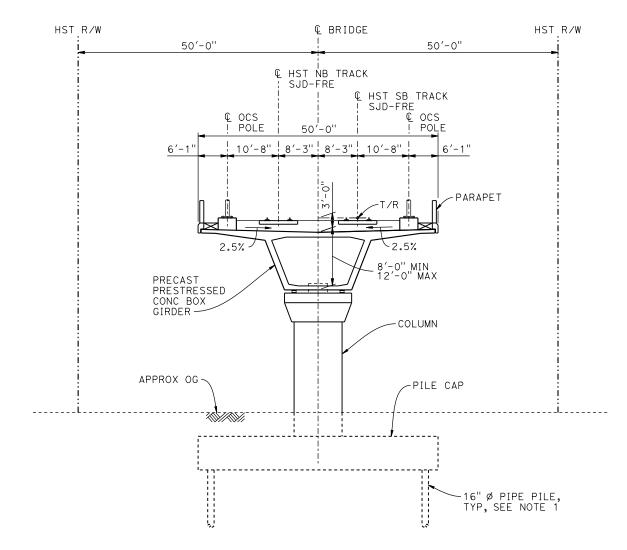
NOT FOR

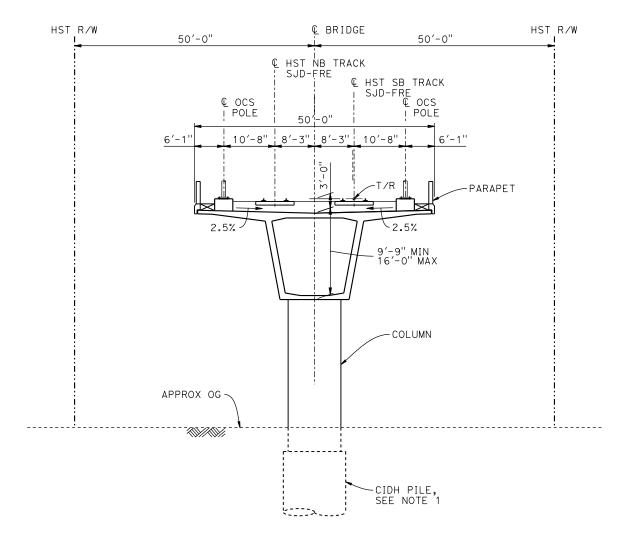


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE GENERAL PLAN (SJD-FRE) AERIAL #2 - SR 99 / UPRR - 2 OF 3

CONTRACT NO. HSR08-05
DRAWING NO. ST-K1251-A
AS SHOWN
SHEET NO.





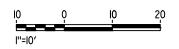
SECTION A-A

В	ENT COLUMN SCHED	JLE
BENT	COLUMN TYPE	CIDH TYPE
2 - 5	9'-0" ø	
6	11'-0" Ø	13'-0" Ø
7	12'-0" Ø	
8	11'-0" Ø	13'-0" Ø
9 - 10	10'-0" Ø	
11 - 12	11'-0" Ø	13'-0" Ø
13	10'-0" Ø	
14	12′-0" ø	
15 - 18	11'-0" Ø	

$\frac{\text{SECTION }B-B}{1"=10'}$

NOTES:

- PILE AND DRILLED SHAFT LENGTHS TO BE DETERMINED.
- 2. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWING TT-BOO51-A.



FEE								
-90							DESIGNED BY	R
							DRAWN BY	1
0							CHECKED BY O. EDEWOR	1
_							IN CHARGE C. LEMLEY	CO
p0036	REV	DATE	BY	снк	APP	DESCRIPTION	02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

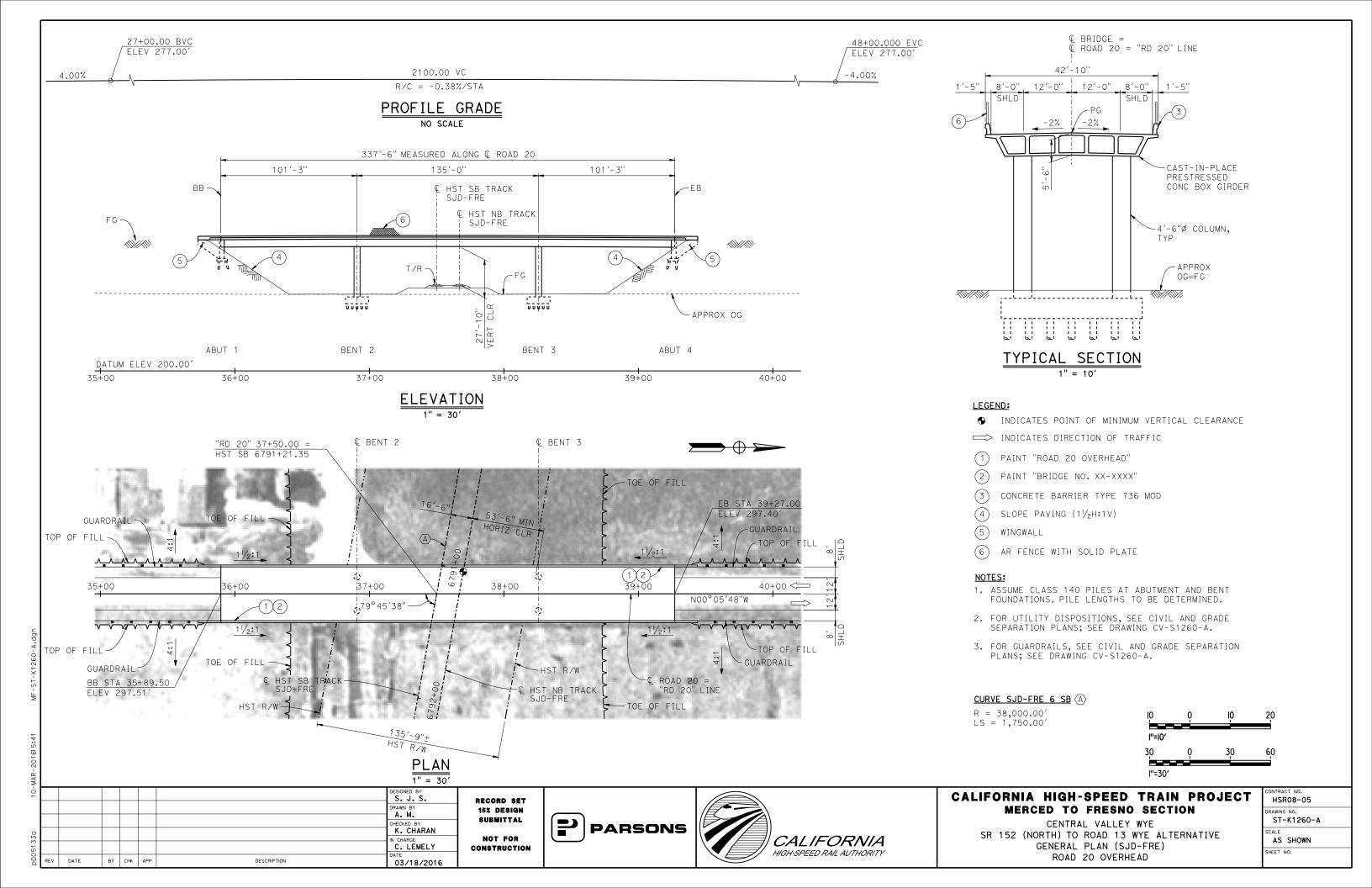


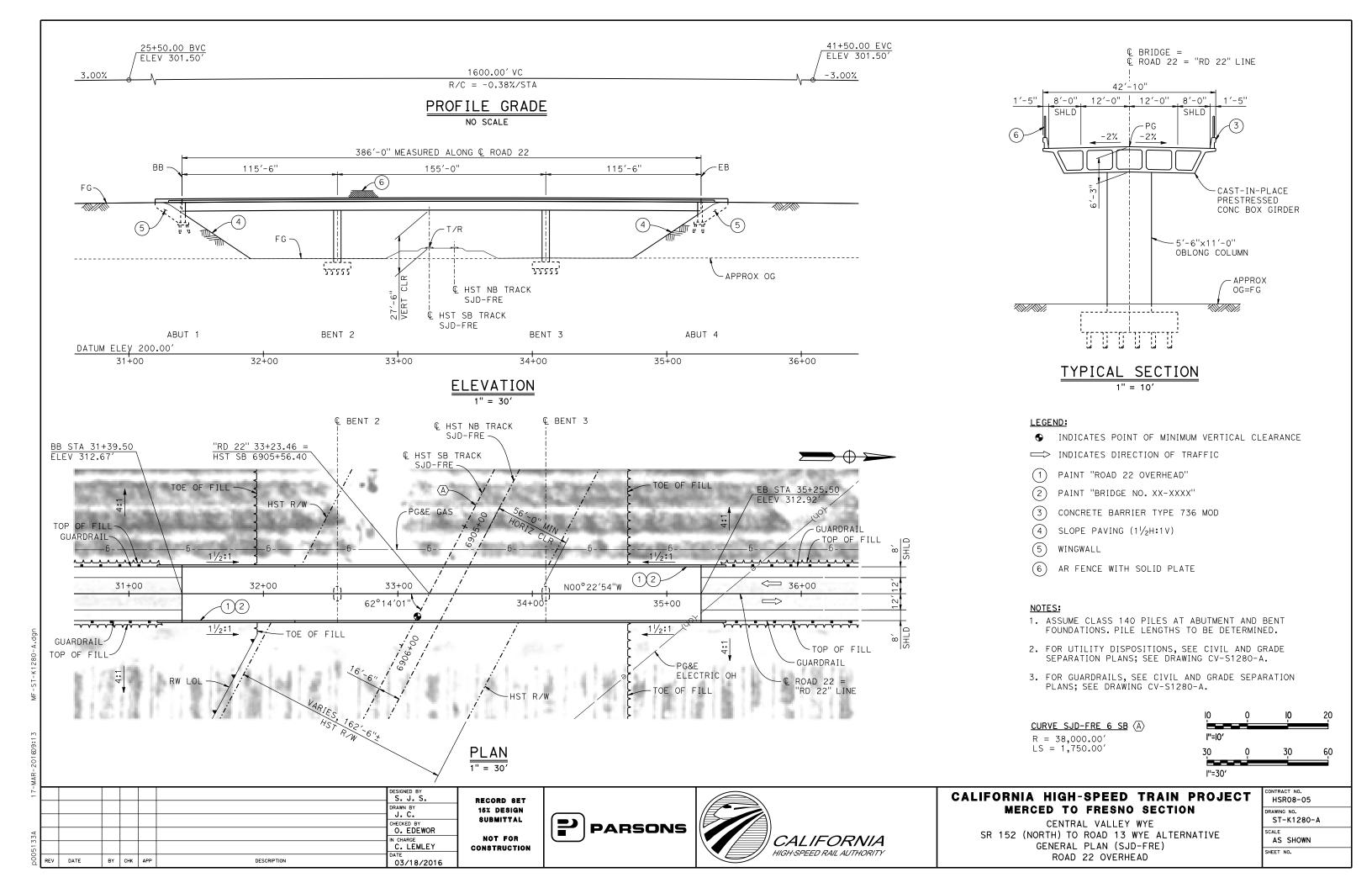


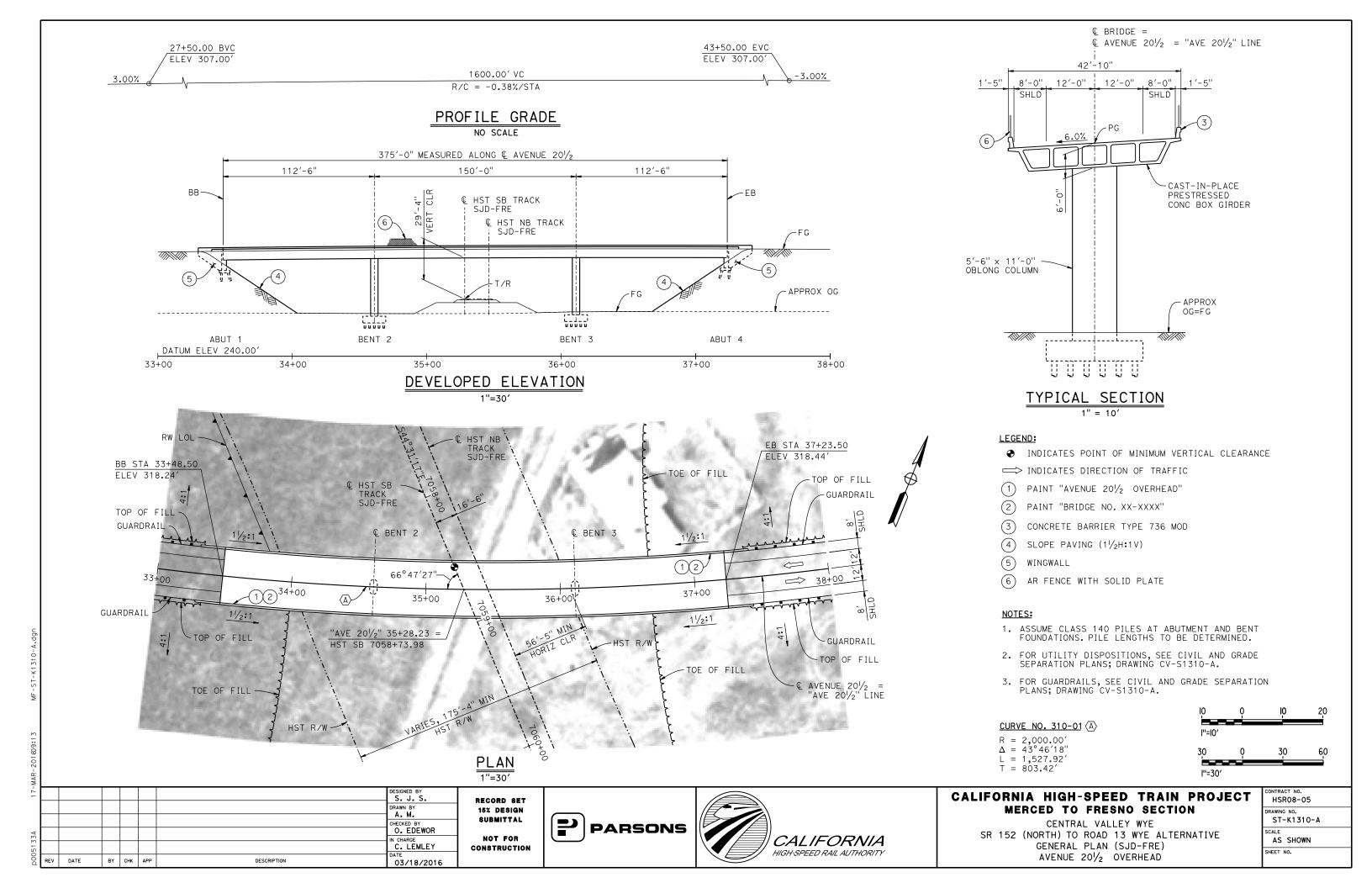
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

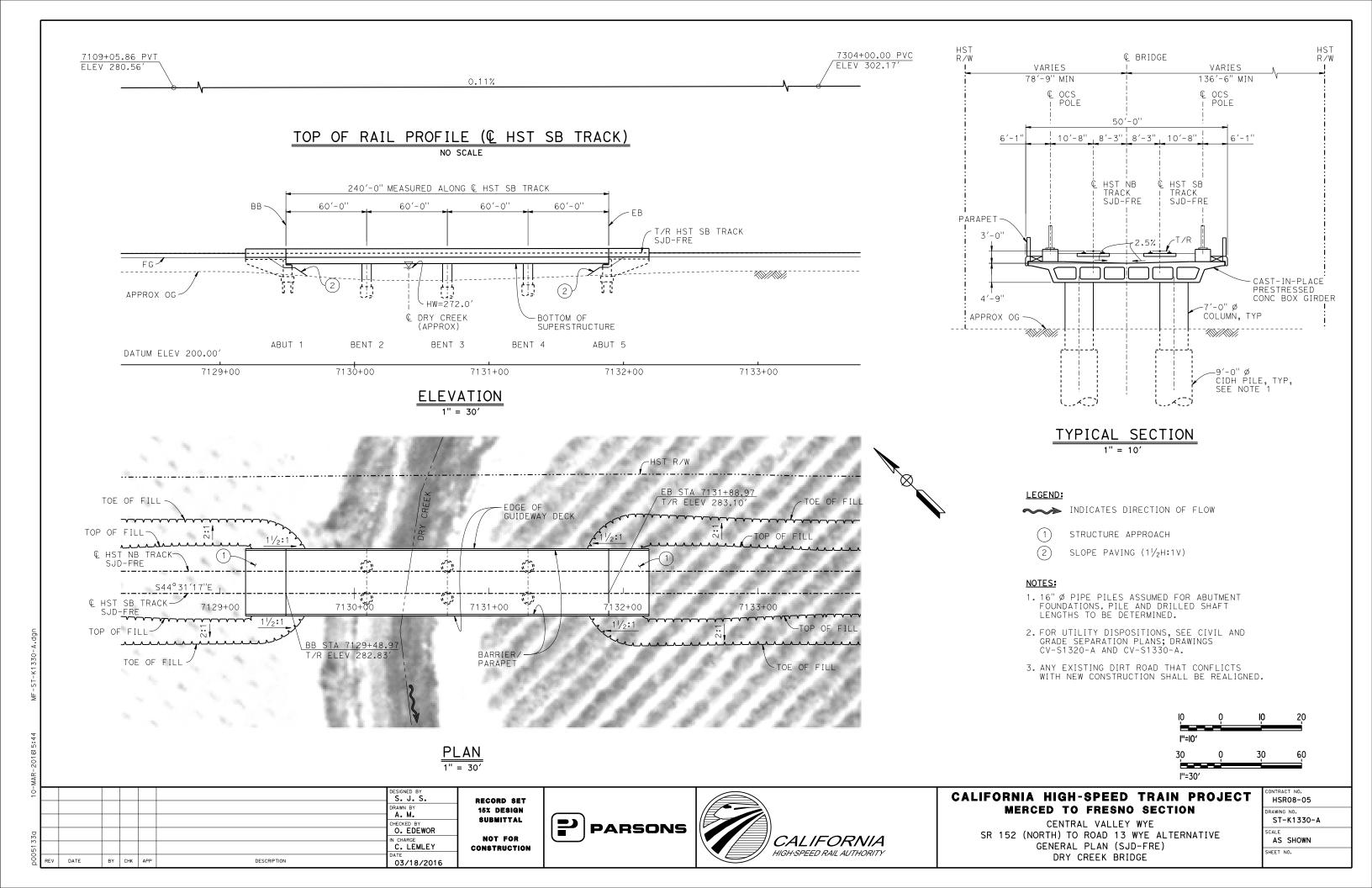
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTIONS (SJD-FRE)
AERIAL #2 - SR 99 / UPRR - 3 OF 3

CONTRACT NO.							
HSR08-05							
DRAWING NO.							
ST-K3250-A							
SCALE							
AS SHOWN							
SHEET NO.							







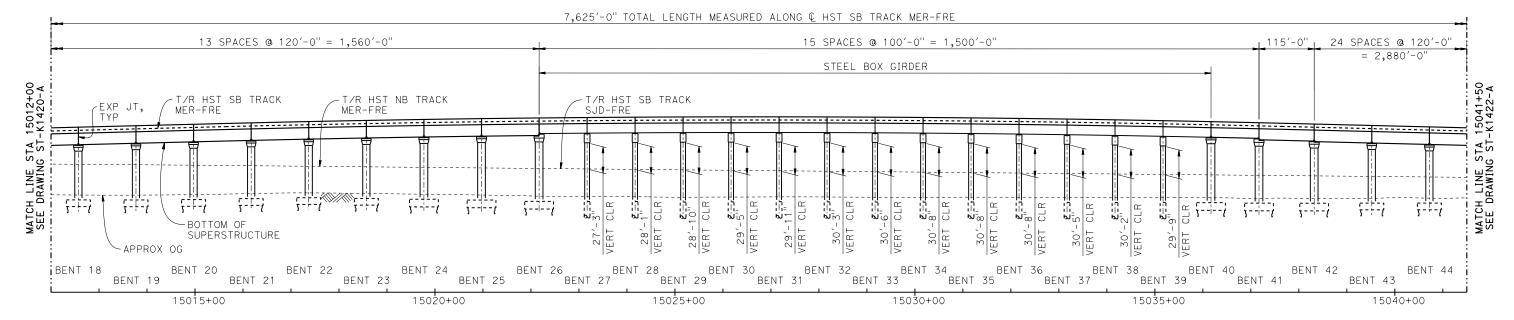


LEGEND: 14984+36.73 PVT INDICATES POINT OF MINIMUM VERTICAL CLEARANCE ELEV 253.44' 1.25% STRUCTURE APPROACH (2) SLOPE PAVING (1/2H:1V) TOP OF RAIL PROFILE (& HST SB TRACK MER-FRE) CURVE MER-FRE 1 SB (A) NO SCALE R = 10,350.00'LS = 1,500.00'7,625'-0" TOTAL LENGTH MEASURED ALONG & HST SB TRACK MER-FRE TEMPORARY TRAFFIC OPENINGS VEHICULAR TRAFFIC 2 SPACES @ 100'-0" 7 SPACES @ 120'-0" = 840'-0" 3 SPACES @ 150'-0'' = 450'-0''13 SPACES @ 120'-0" = 1,560'-0" BB 1. _ TRAFFIC WILL BE DETOURED AWAY = 200'-0' T/R HST SB TRACK FROM THE SITE. C ACCESS ROAD T/R HST NB TRACK MER-FRE ♠ ACCESS ROAD (APPROX) MER-FRE 2. X TRAFFIC WILL PASS UNDER THE BERENDA SLOUGH! (APPROX) STRUCTURE ON: T/R HST SB TRACK EXP JT. (APPROX) SJD-FRE TYP FALSEWORK OPENING REQD (HORIZ X VERT) ST OR ROAD NAME AND LOCATION ۲FG ACCESS ROAD 15001+80 20'X16.5' ? \\\ ----ACCESS ROAD 15006+01 20'X16.5' RAILROAD DR 15066+35 20'X16.5' 2-WAY ACCESS ROAD - BOTTOM OF 15066+75 20'X16.5' BERENDA SLOUGH SUPERSTRUCTURE BRIDGE 3. X TEMP TRAFFIC LANE REDUCTION FOR ABUT 1 BENT 2 BENT 4 BENT 8 BENT 10 BENT 12 BENT 6 BENT 14 BENT 16 FTG EXC. BENT 3 BENT 5 BENT 7 BENT 9 BENT 11 BENT 13 BENT 15 BENT 17 DATUM ELEV 120.00' 14990+00 14995+00 15000+00 15005+00 15010+00 DEVELOPED ELEVATION NOTES: VERT: 1" = 50' HORIZ: 1" = 100' 1.16" Ø PIPE PILES ASSUMED FOR ABUTMENT AND BENT FOUNDATIONS, UNLESS OTHERWISE NOTED. PILE LENGTHS TO BE DETERMINED. ROAD REALIGNMENT (SEE CIVIL AND GRADE 2. FOR SECTIONS AND BENT COLUMN SCHEDULE, SEE SEPARATION PLANS; DRAWINGS ST-K3420-A TO ST-K3422-A. DRAWING CV-S1420-A) 3. ANY EXISTING DIRT ROAD THAT CONFLICTS WITH NEW CONSTRUCTION SHALL BE REALIGNED. SR 152 EE 4. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SR 152 WB SEPARATION PLANS; DRAWINGS CV-S1420-A AND 15012+00 -K1421-A CV-S1430-A. -HST_R/W BARRIER/PARAPET 5. FOR RETAINING WALLS, SEE CIVIL AND GRADE TOP OF MER-FRE GUIDEWAY DECK SEPARATION PLANS; DRAWINGS CV-S1420-A AND FILL, TYP CV-S1430-A. TCH LINE ST E DRAWING 6. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; SEE DRAWINGS CV-S1420-A AND CV-S1430-A. 7. FOR BERENDA SLOUGH BRIDGE GENERAL PLAN AND TYPICAL SECTION, SEE DRAWINGS ST-K1220-A AND 24995+00 -S89°30′27"W 25000+00 25010+00 ST-K3220-A. 8. FOR RAILROAD DRIVE UNDERPASS (HST NB) GENERAL PLAN AND TYPICAL SECTION, SEE DRAWING TOE OF FILL, ST-K1430-A. C HST NB TRACK -C HST NB TRACK -Carly Transport Street and Authorities and BERENDA SLOUGH SJD-FRE BRIDGE **©** HST SB TRACK CLOSURE PLAN 200 (SEE CIVIL AND GRADE SEPARATION PLANS; 1'' = 100DRAWING CV-S1420-A) l"=100' R. MOTHE CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR08-05 RECORD SET MERCED TO FRESNO SECTION 15% DESIGN RAWING NO. Ĵ. KIDWELL SUBMITTAL ST-K1420-A CENTRAL VALLEY WYE O. EDEWOR **PARSONS** SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE NOT FOR CALIFORNIA AS SHOWN C. LEMLEY GENERAL PLAN (MER-FRE) CONSTRUCTION HIGH-SPEED RAIL AUTHORITY SHEET NO. AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 1 OF 6 DATE BY CHK APP DESCRIPTION 02/13/2015

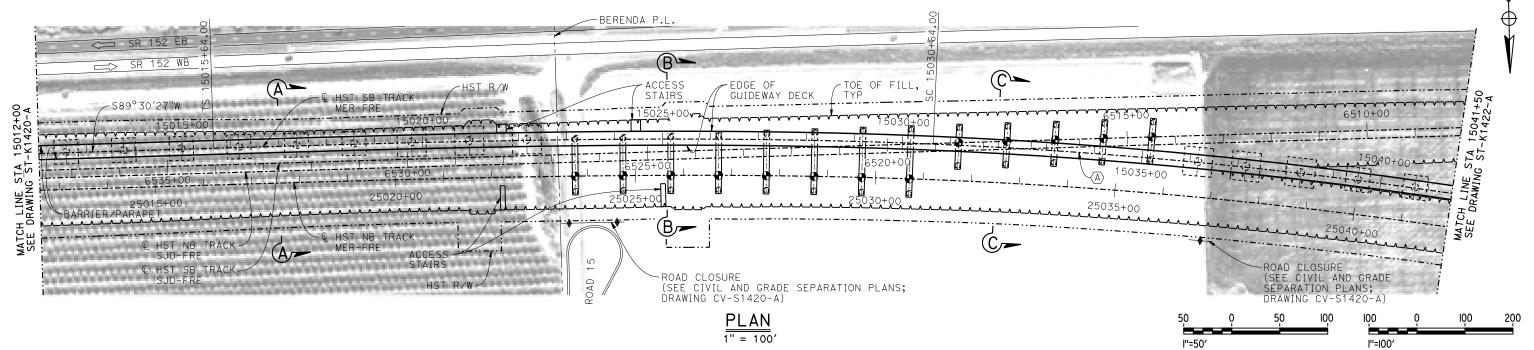
15037+64.00 PVT

TOP OF RAIL PROFILE (& HST SB TRACK MER-FRE)

NO SCALE



DEVELOPED ELEVATION VERT: 1" = 50' HORIZ: 1" = 100'



i [
-							DESIGNED BY R. MOTHE	Γ
							DRAWN BY J. KIDWELL	1
							CHECKED BY	1
2							O. EDEWOR IN CHARGE	ł
2							C. LEMLEY	
3	REV	DATE	BY	СНК	APP	DESCRIPTION	05/08/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

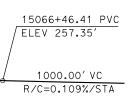




CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

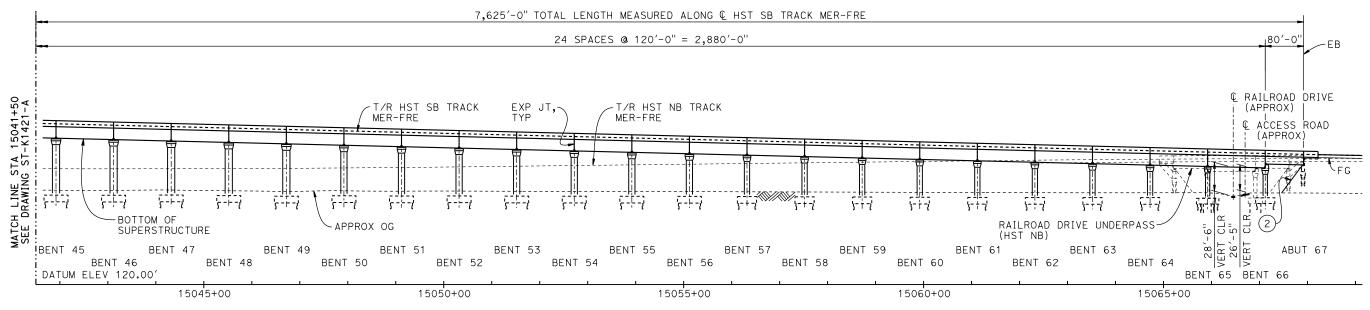
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
GENERAL PLAN (MER-FRE)
AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 2 OF 6

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K1421-A
SCALE
AS SHOWN
SHEET NO.

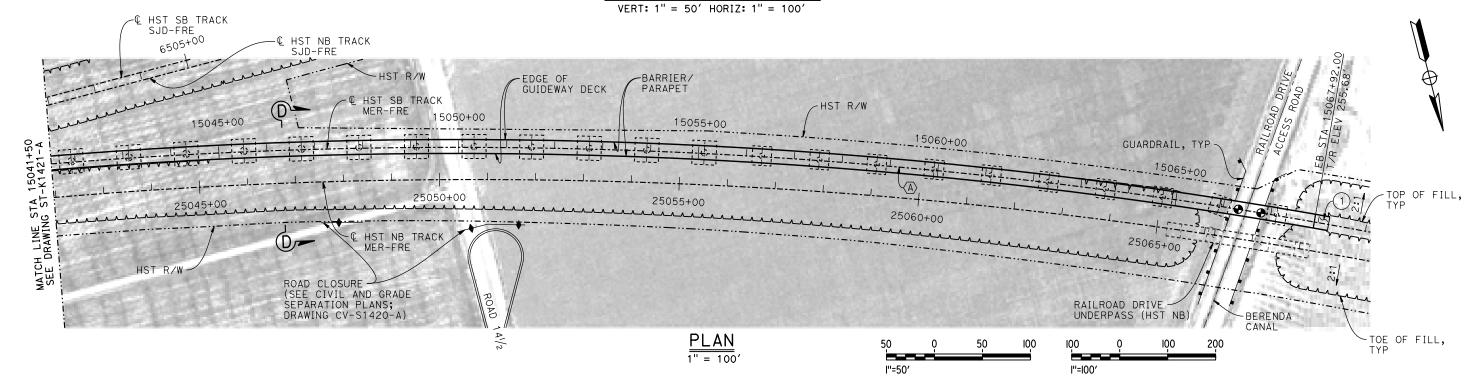


TOP OF RAIL PROFILE (@ HST SB TRACK MER-FRE)

NO SCALE



DEVELOPED ELEVATION



Į.								
-90							DESIGNED BY R. MOTHE	RECORD SET
							DRAWN BY J. KIDWELL	15% DESIGN
_							CHECKED BY O. EDEWOR	SUBMITTAL
36110							IN CHARGE C. LEMLEY	NOT FOR CONSTRUCTION
p003	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/13/2015	

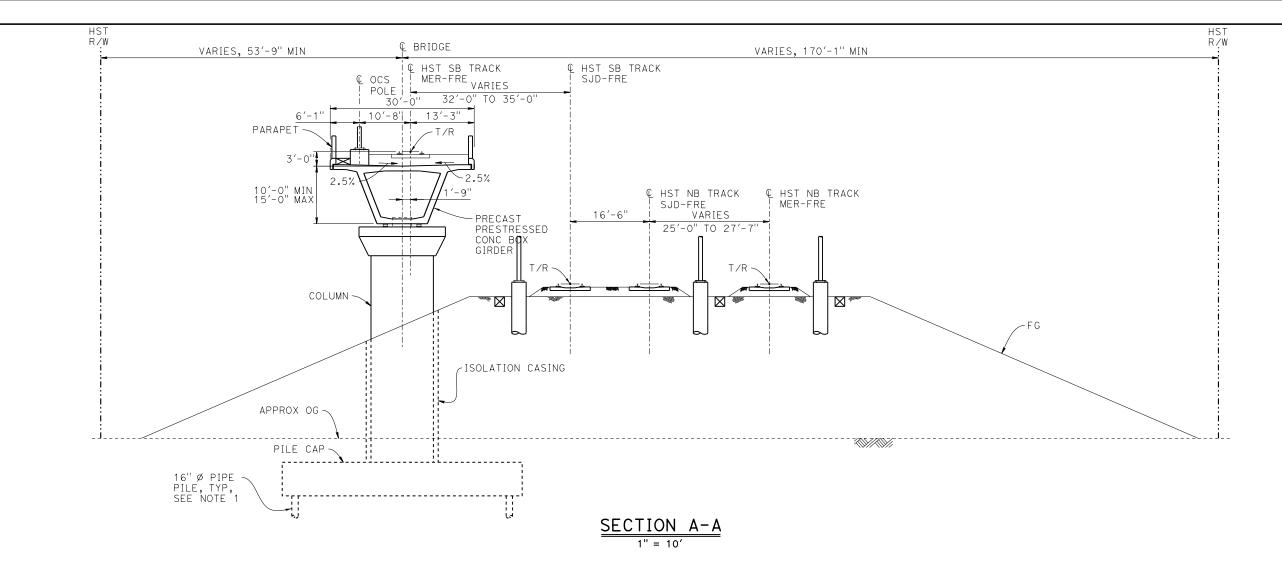




CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE GENERAL PLAN (MER-FRE) AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 3 OF 6

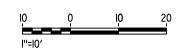
	CONTRACT NO. HSR08-05
	DRAWING NO. ST-K1422-A
	SCALE AS SHOWN
П	



BE			
BENT	COLUMN TYPE	CIDH TYPE	"A"
2 - 4	9'-0" Ø	11'-0" Ø	
5 - 8	11'-0" Ø	13'-0" Ø	
9	12'-0" Ø		
10 - 11	13'-0" Ø		
12	12'-0" Ø		
13	11'-0" Ø	13'-0" Ø	
14 - 16	13′-0" Ø		
17 - 23	15′-0" Ø		
24 - 26	16'-0" Ø		
27 - 28	2 - 10'-0" Ø		108'-0"
29	2 - 10'-0" Ø		110'-0"
30	2 - 10'-0" Ø		113'-0"

	BENT COLUMN SCHEDULE					
BENT	COLUMN TYPE	CIDH TYPE	"A"			
31	2 - 10'-0" Ø		117′-0"			
32	2 - 10'-0" Ø		121'-0"			
33	2 - 10'-0" Ø		127′-0"			
34	2 - 10'-0" Ø		133′-0"			
35 - 39	2 - 10'-0" Ø		78'-0"			
40 - 42	16'-0" Ø					
43 - 49	15′-0" ø					
50 - 56	13'-0" Ø					
57 - 64	11'-0" Ø					
65 - 66	9'-0" Ø					

- 1. PILE LENGTHS TO BE DETERMINED.
- 2. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWING TT-B0054-A.



-							DESIGNED BY R. MOTHE	
							DRAWN BY J. KIDWELL	İ
							CHECKED BY	
							O. EDEWOR IN CHARGE	
-							C. LEMLEY	
í	REV	DATE	BY	снк	APP	DESCRIPTION	05/08/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

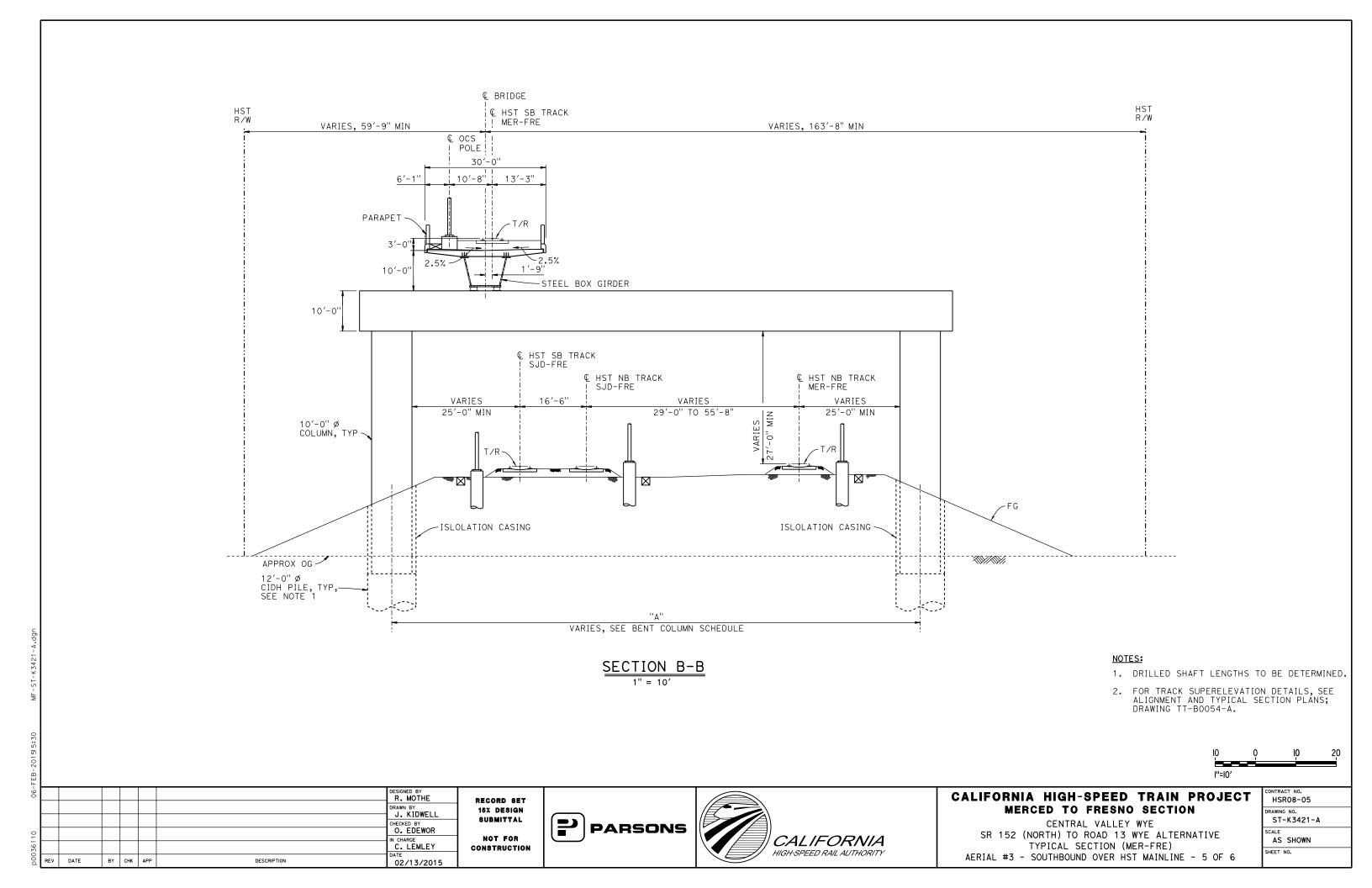


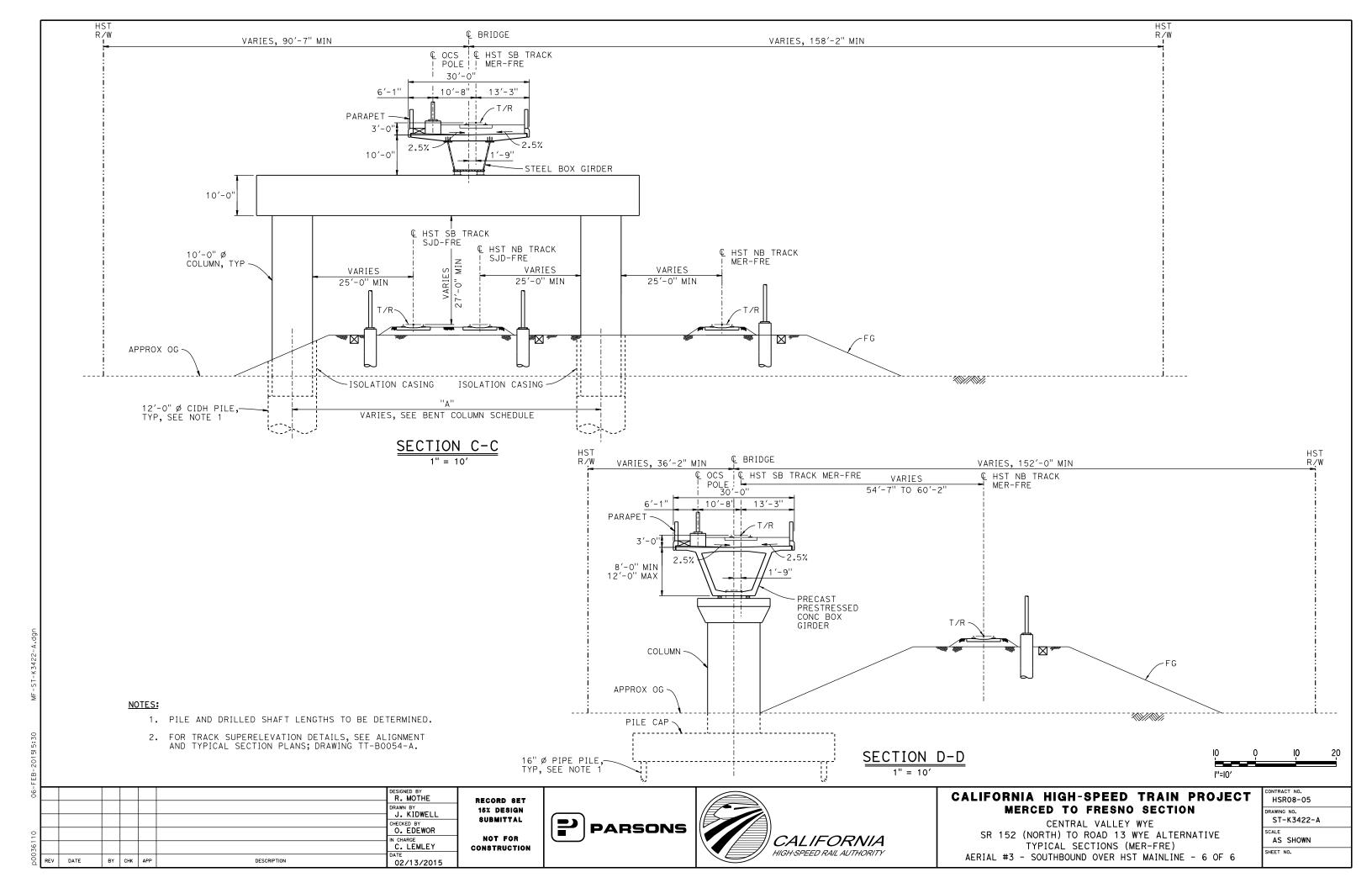


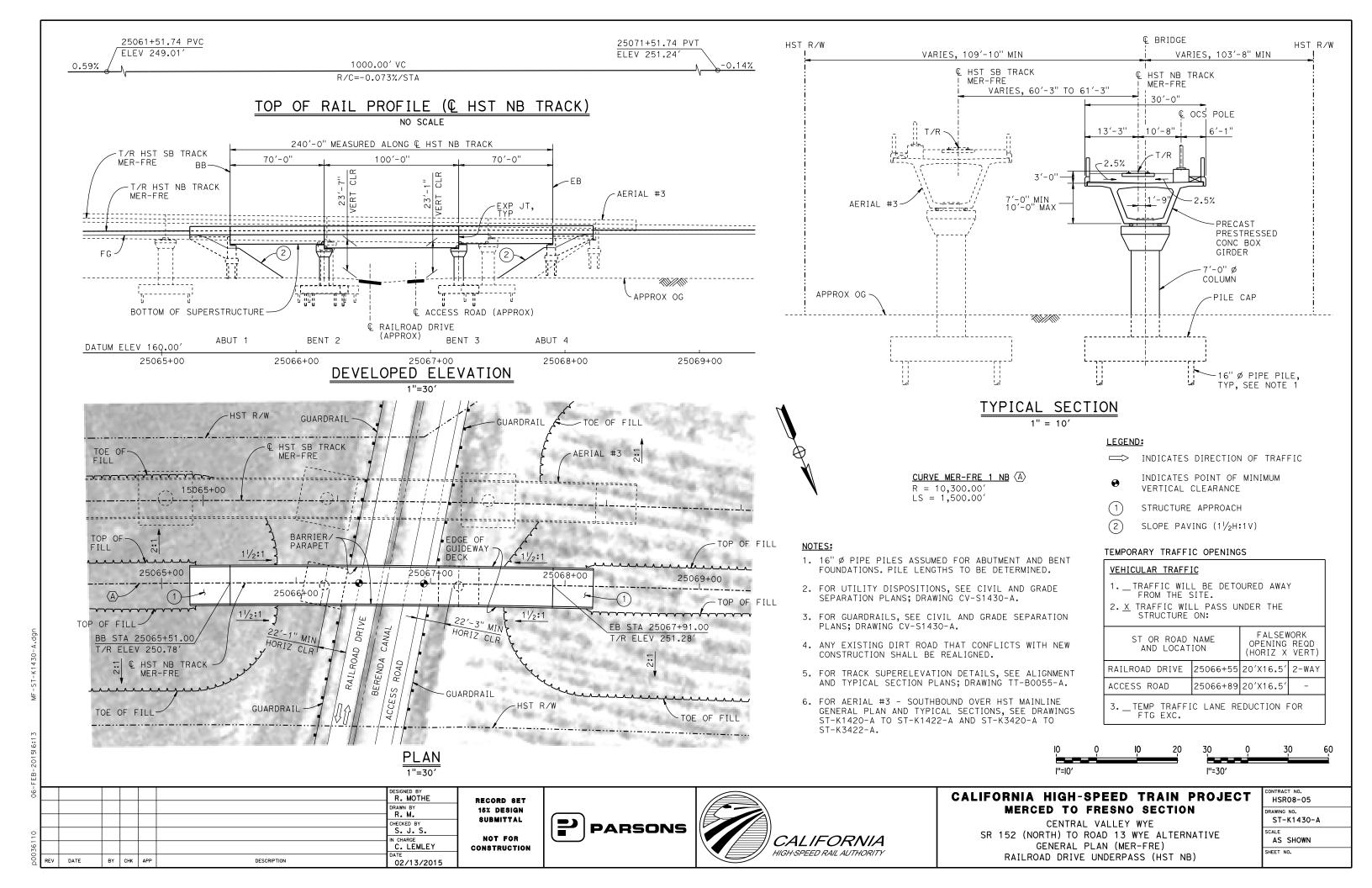
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

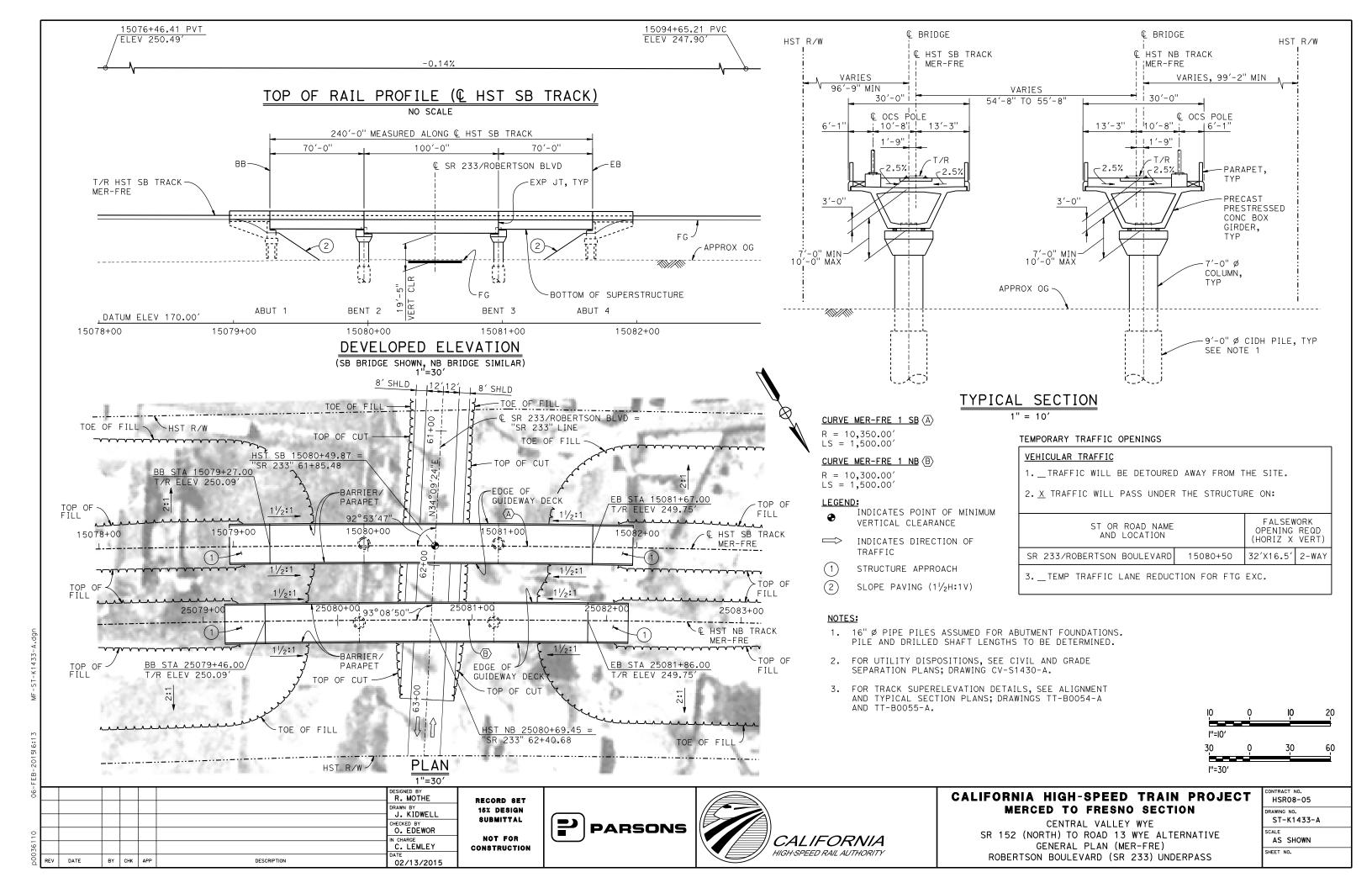
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION (MER-FRE)
AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 4 OF 6

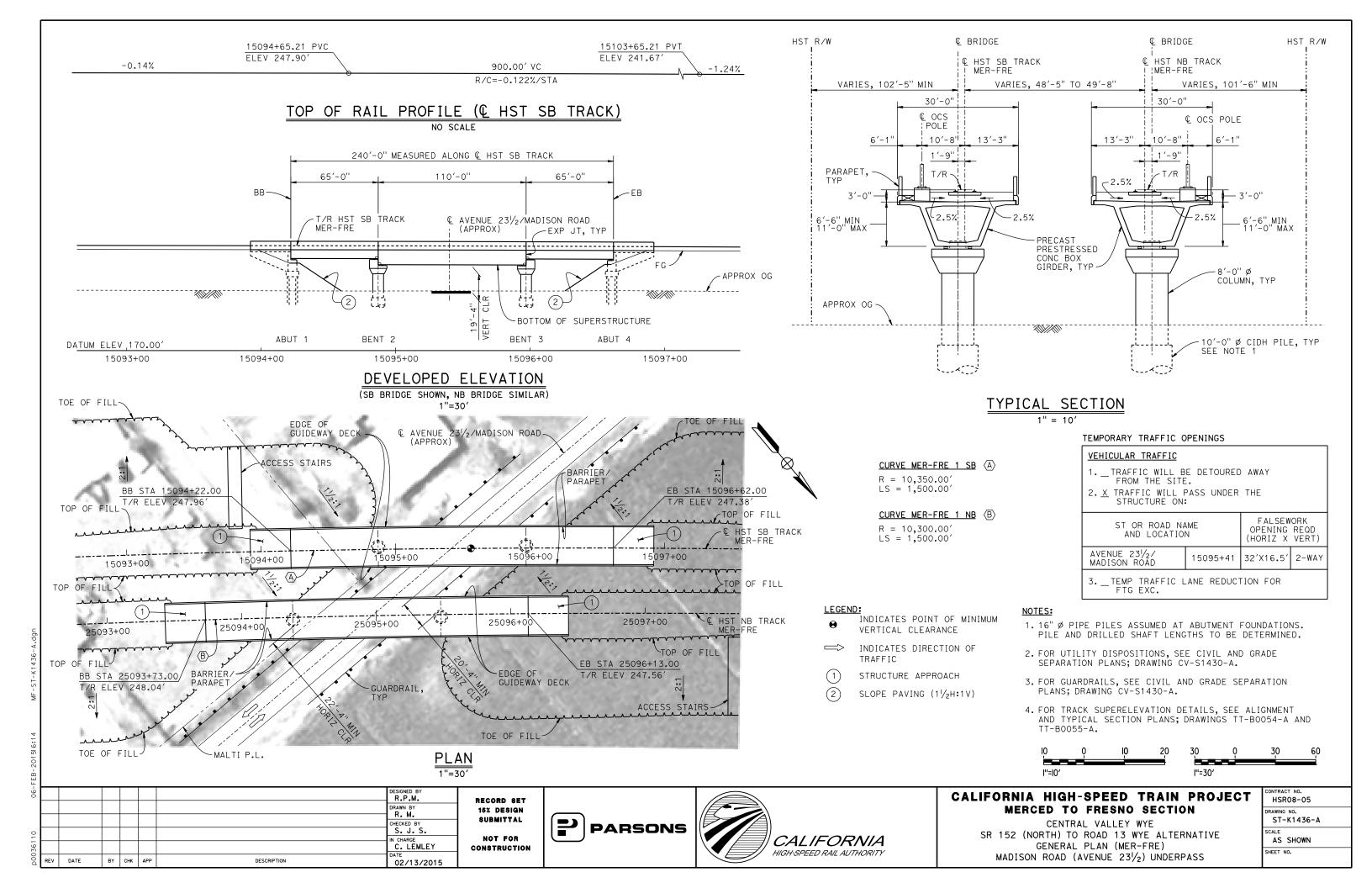
CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K3420-A
SCALE
AS SHOWN
SHEET NO.

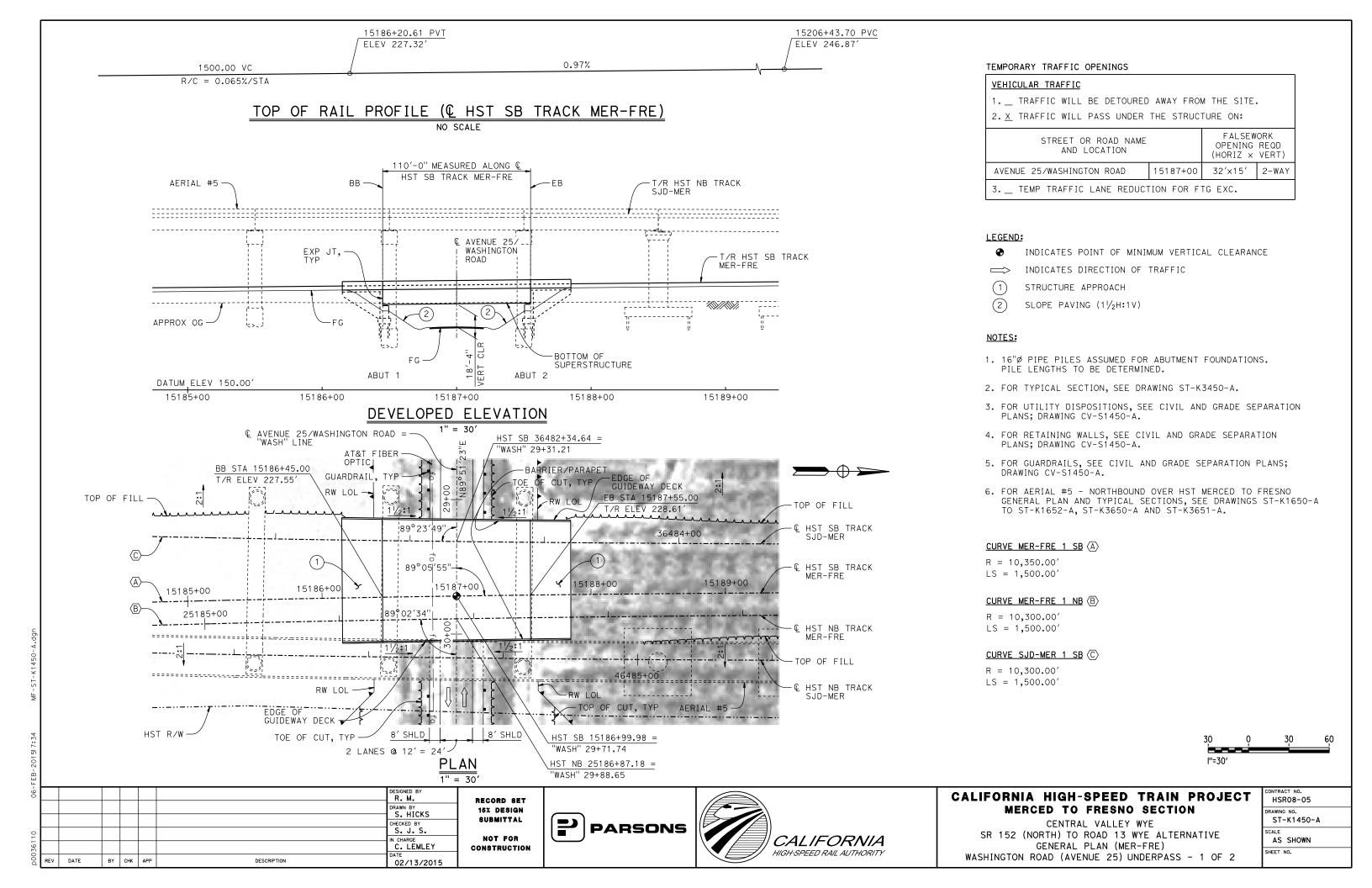


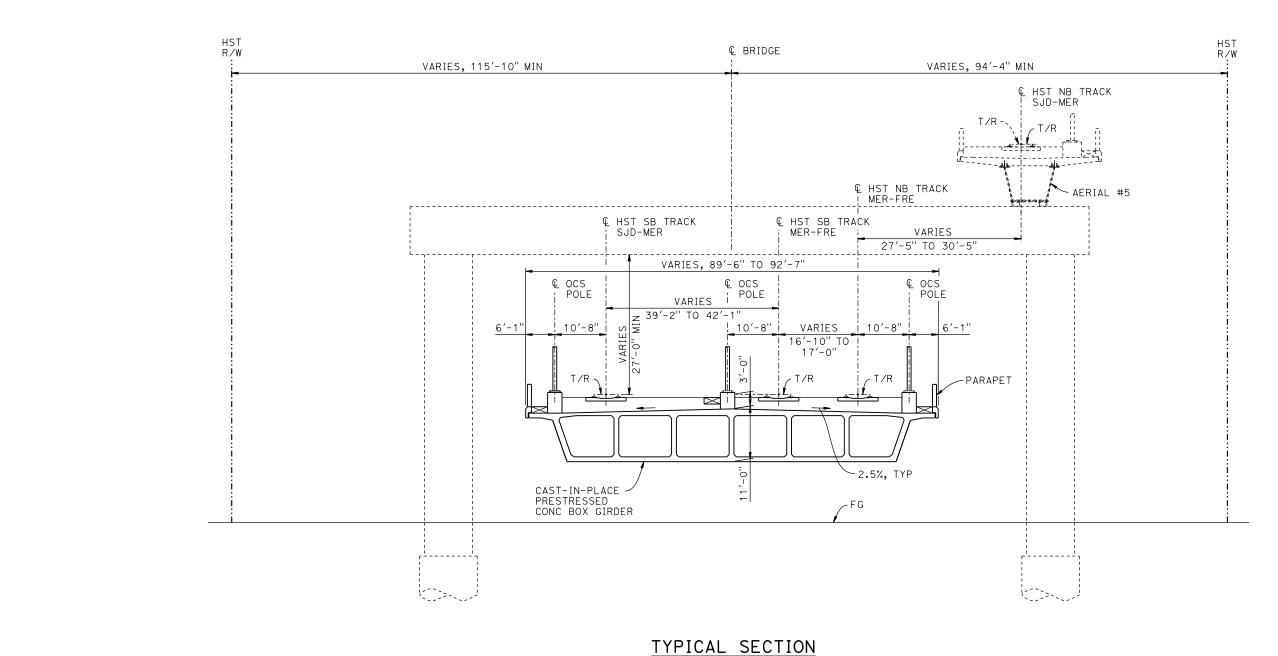












1. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWINGS TT-B0054-A TO TT-B0056-A.



06-FE							DESIGNED BY	RI
							DRAWN BY S. HICKS	1
0							CHECKED BY S. J. S.	•
3611							IN CHARGE C. LEMLEY	co
D00	REV	DATE	BY	снк	APP	DESCRIPTION	02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

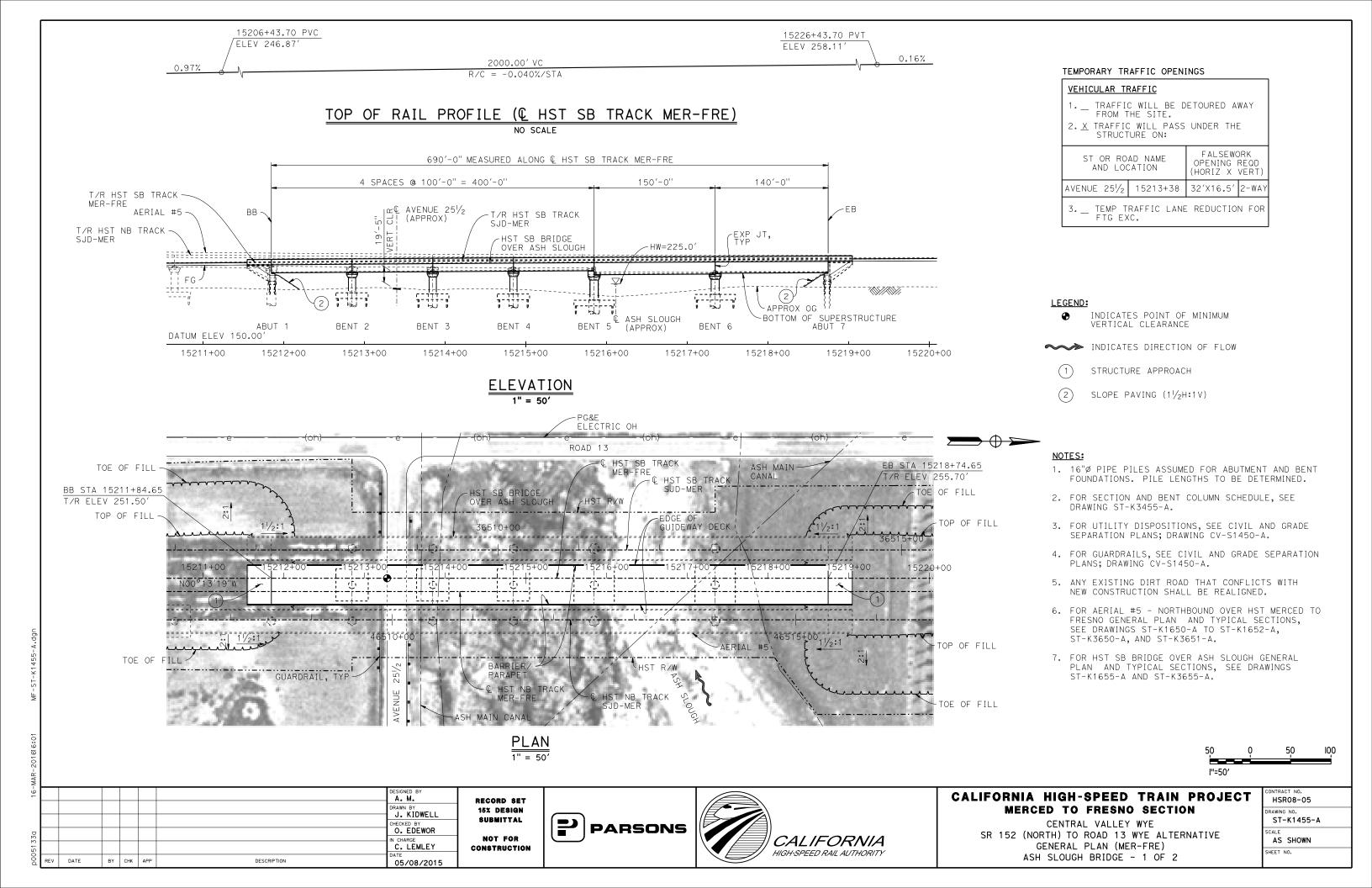


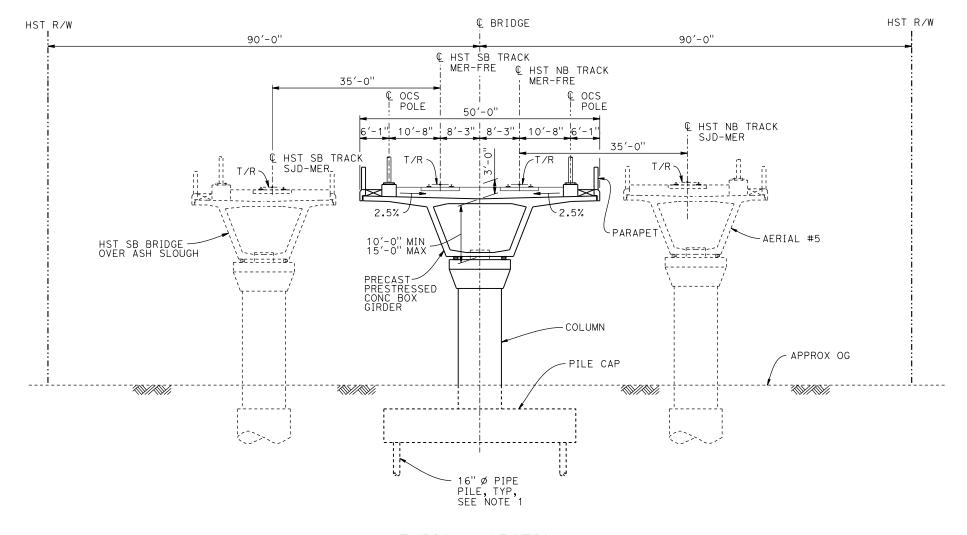


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION (MER-FRE)
WASHINGTON ROAD (AVENUE 25) UNDERPASS - 2 OF 2

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K3450-A
SCALE
AS SHOWN
SHEET NO.





BENT COL	UMN SCHEDULE
BENT	COLUMN TYPE
2 - 4	9'-0" Ø
5 - 6	10′-0''ø

1. PILE LENGTHS TO BE DETERMINED.

TYPICAL SECTION

1" = 10'

Ò	o O	Ι <mark></mark>	20
l''=l0′			

_								
							DESIGNED BY	RE
							DRAWN BY	15
							CHECKED BY	81
2							O. EDEWOR	,
000							C. LEMLEY	CON
2	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

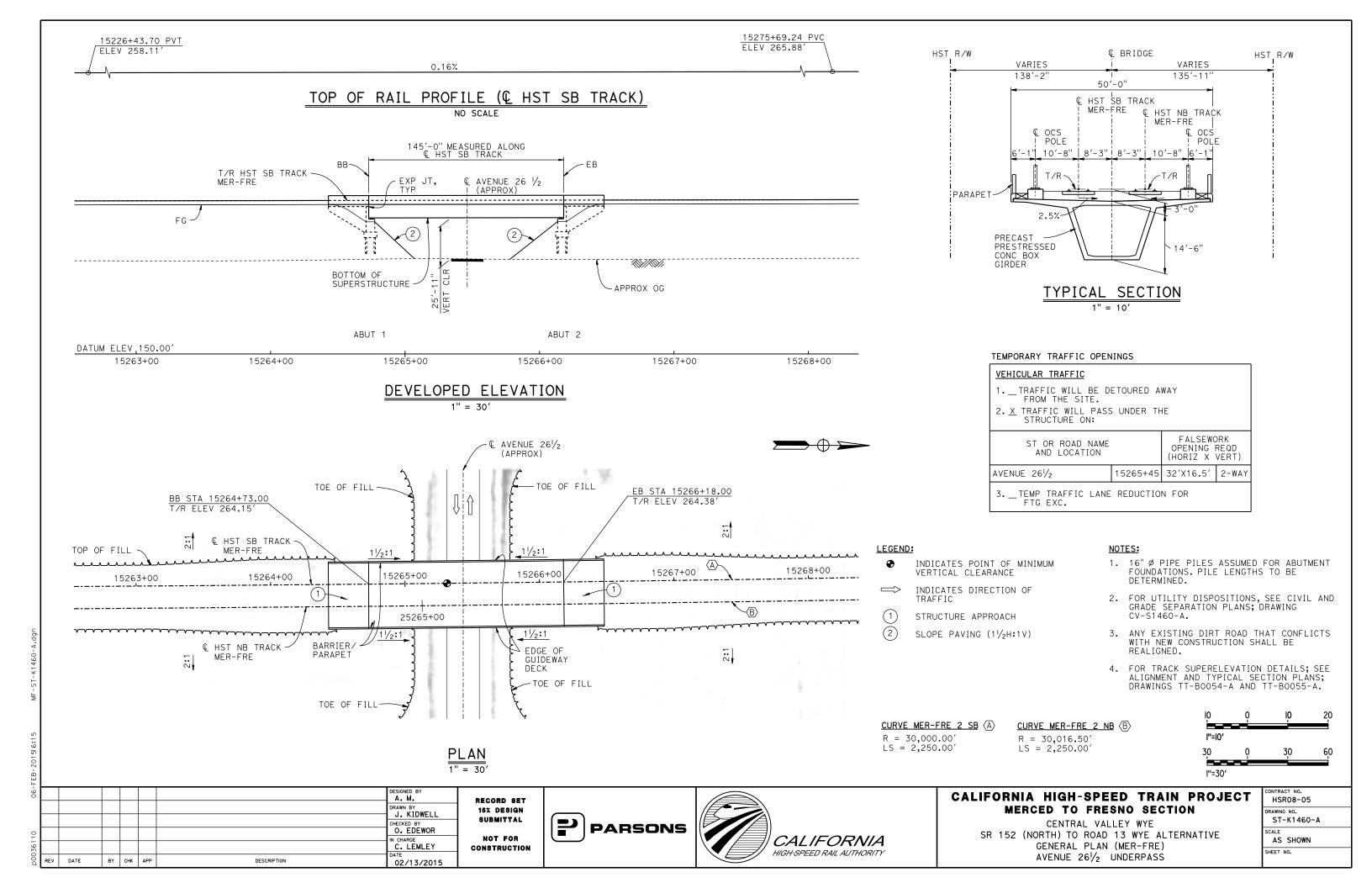


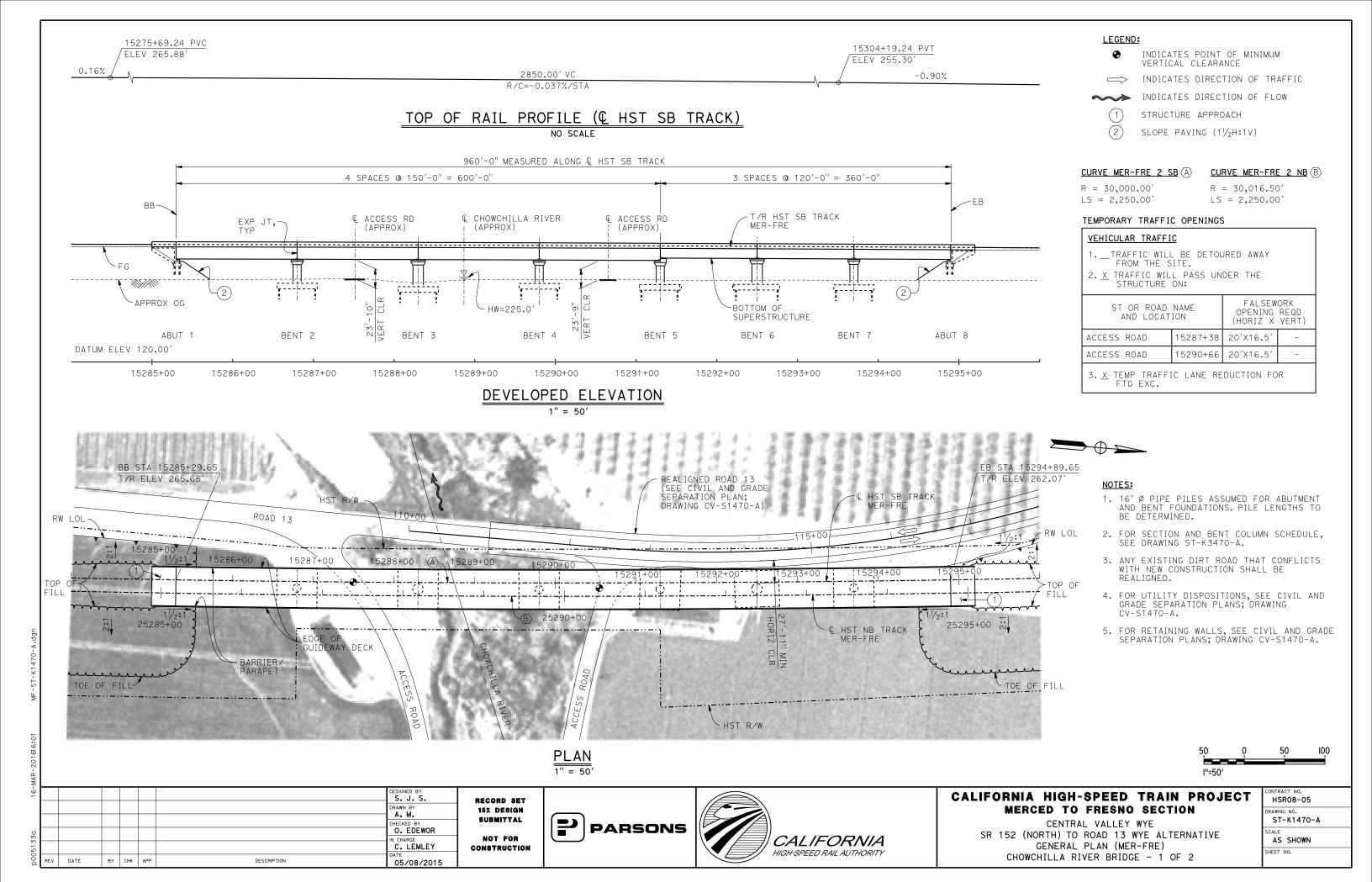


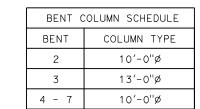
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

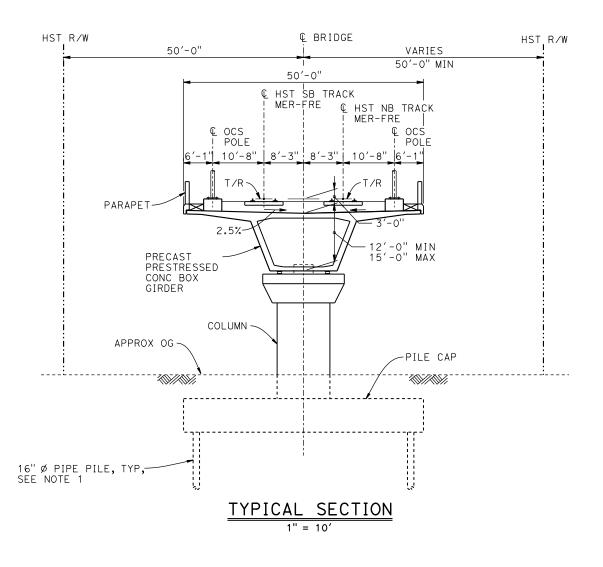
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION (MER-FRE)
ASH SLOUGH BRIDGE - 2 OF 2

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K3455-A
SCALE
AS SHOWN
SHEET NO.









- 1. PILE LENGTHS TO BE DETERMINED.
- 2. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWINGS TT-B0054-A AND TT-B0055-A.



FE								
-90							DESIGNED BY	_
							DRAWN BY	R
							A. M. CHECKED BY	:
110							O. EDEWOR IN CHARGE	
036							C. LEMLEY	CO
D00	REV	DATE	BY	снк	APP	DESCRIPTION	02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

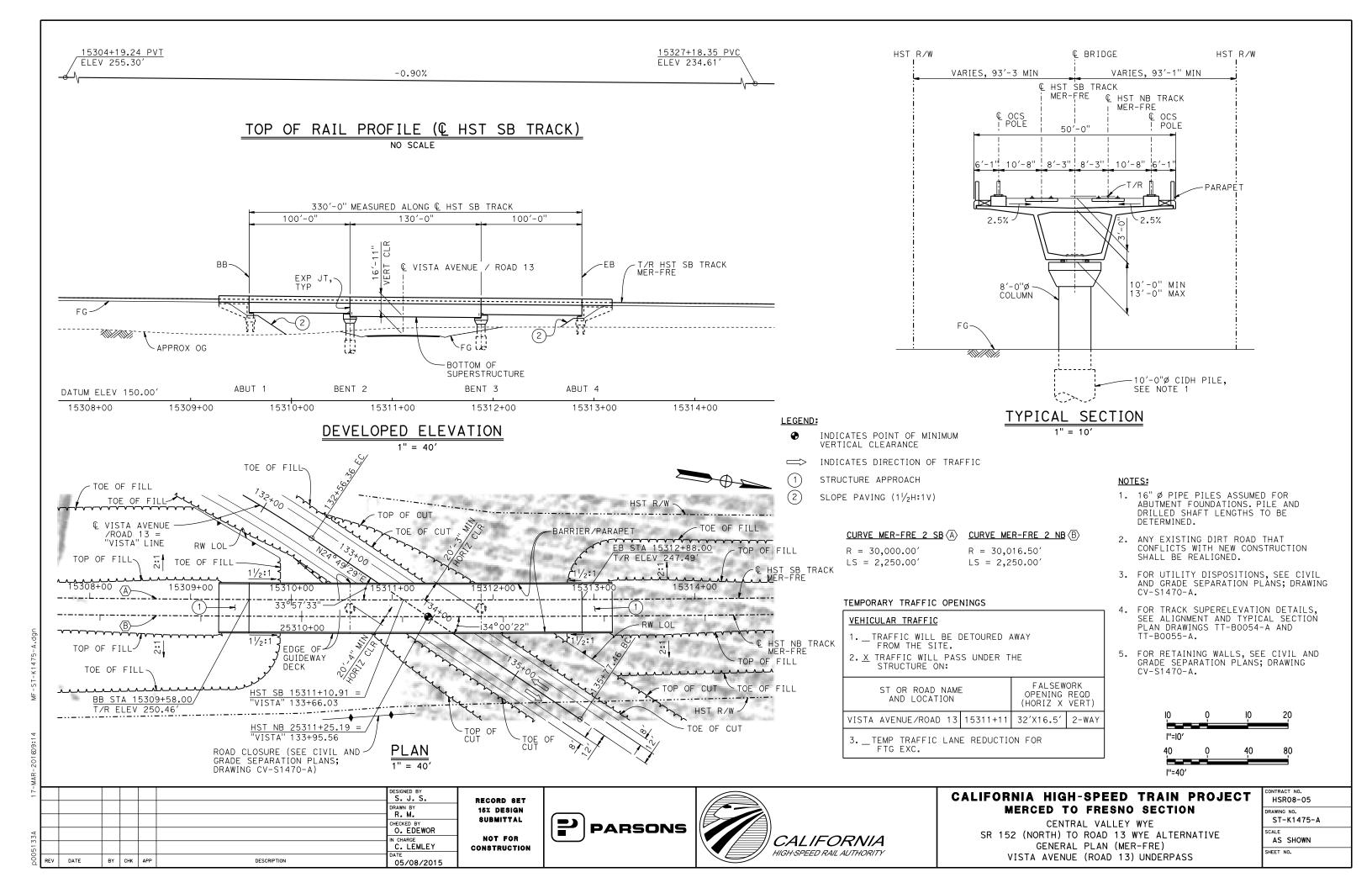


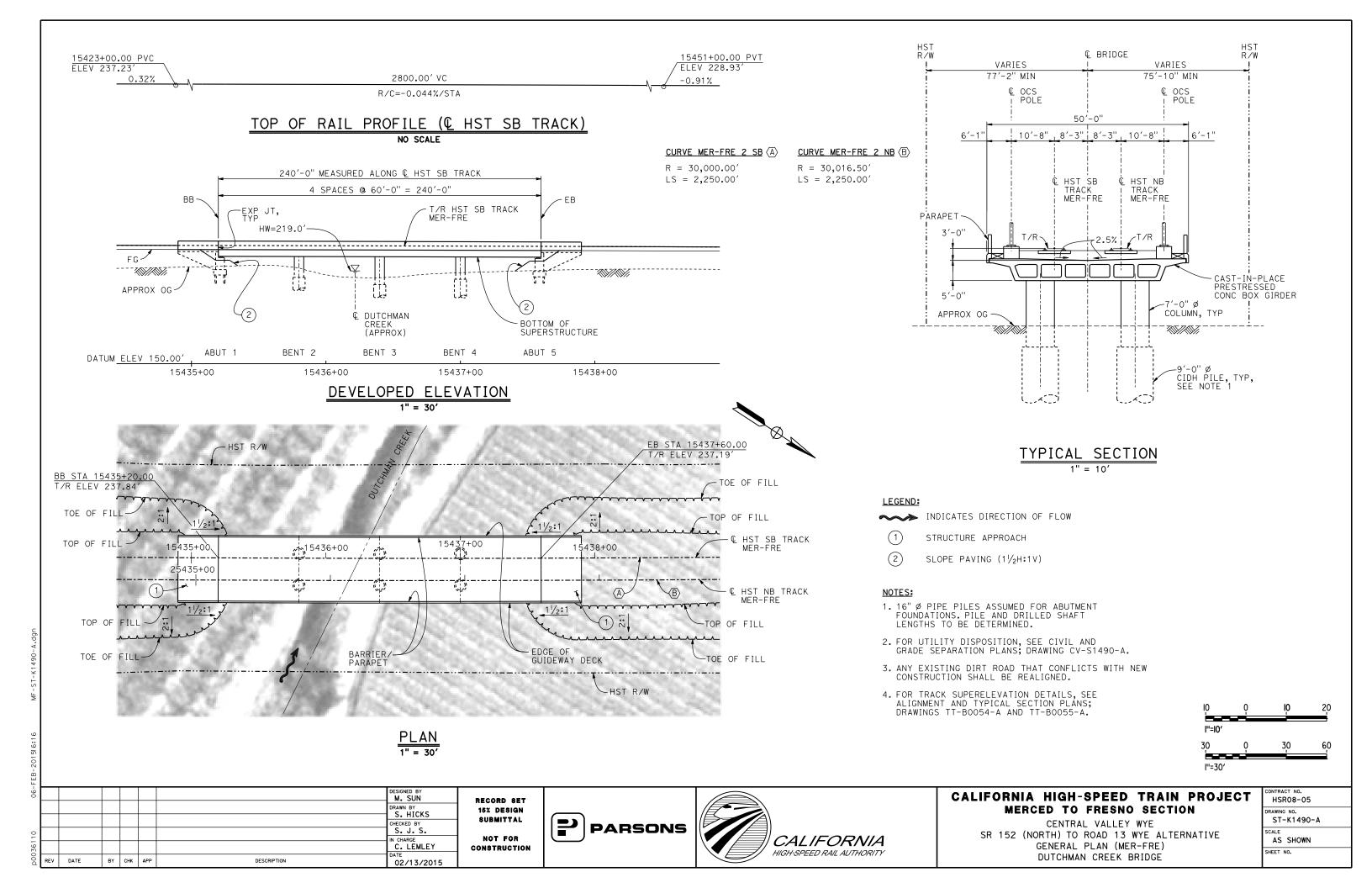


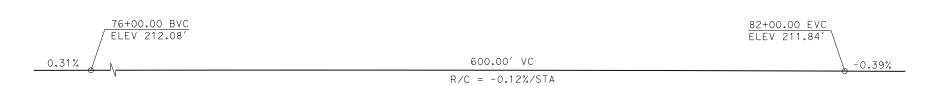
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION (MER-FRE)
CHOWCHILLA RIVER BRIDGE - 2 OF 2

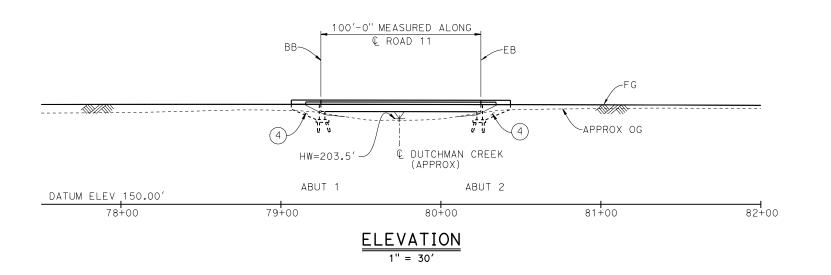
•	CONTRACT NO. HSR08-05
	DRAWING NO. ST-K3470-A
	SCALE AS SHOWN
	SHEET NO.

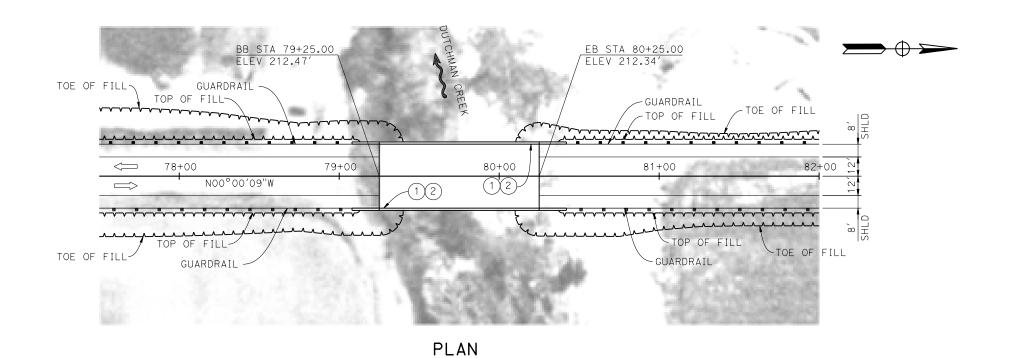






PROFILE GRADE NO SCALE





© BRIDGE 42'-10" 1'-5" 8'-0" 12'-0" 12'-0" 8'-0" 1'-5" SHLD PG -2% -2% CAST-IN-PLACE PRESTRESSED CONC BOX GIRDER

TYPICAL SECTION

LEGEND:

INDICATES DIRECTION OF FLOW

(1) PAINT "ROAD 11 BRIDGE"

2 PAINT "BRIDGE NO. XX-XXXX"

(3) CONCRETE BARRIER TYPE 732

(4) WINGWALL

NOTES:

- 1. ASSUME CLASS 140 PILES AT ABUTMENT AND BENT FOUNDATIONS. PILE LENGTHS TO BE DETERMINED.
- 2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-R1492-A.
- 3. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-R1492-A.



MAF								
10-							DESIGNED BY	
							DRAWN BY	
							CHECKED BY	
330							K. CHARAN IN CHARGE	
p0051							C. LEMLEY	C
Õ	REV	DATE	BY	CHK	APP	DESCRIPTION	03/18/2016	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

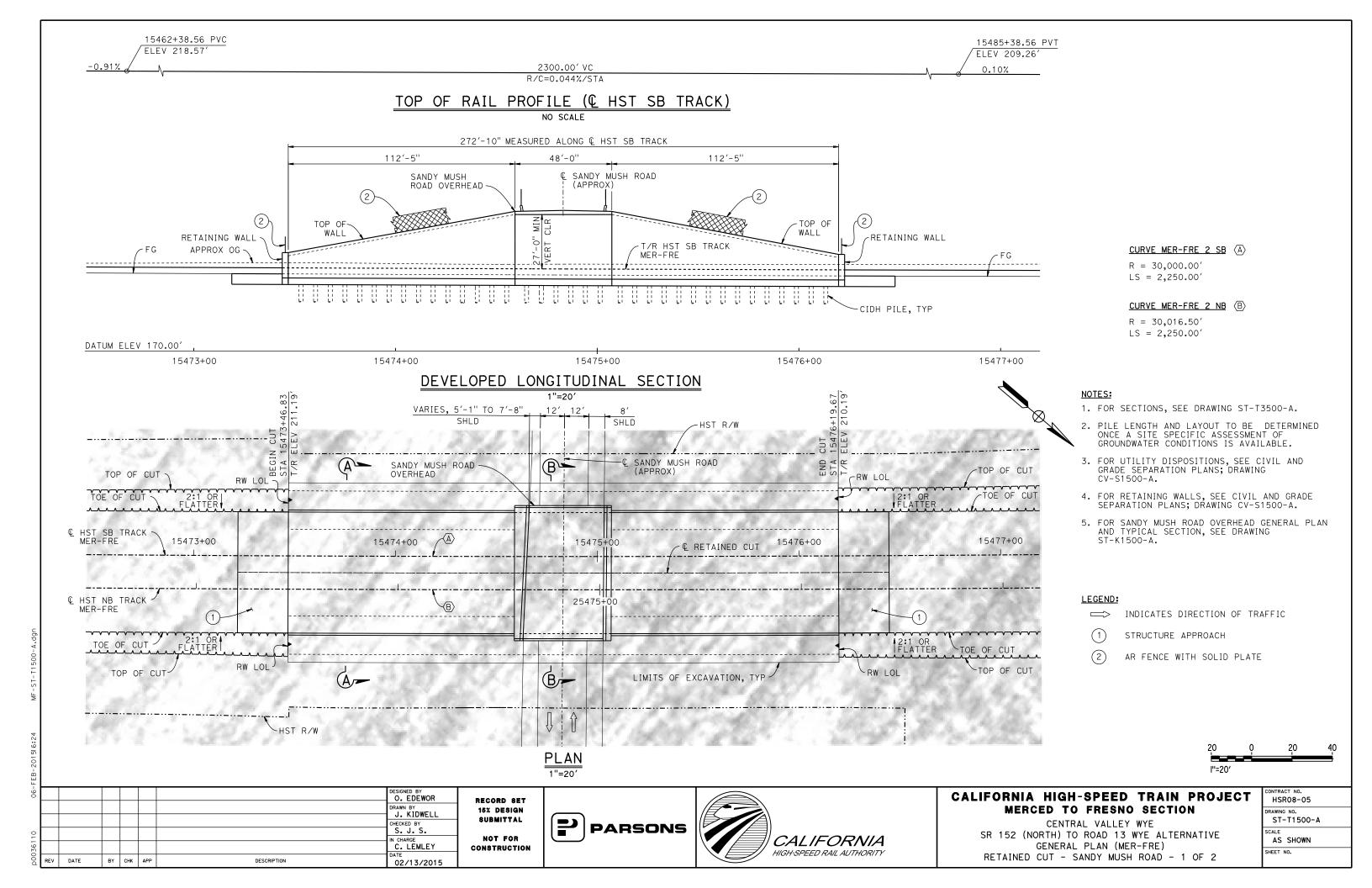


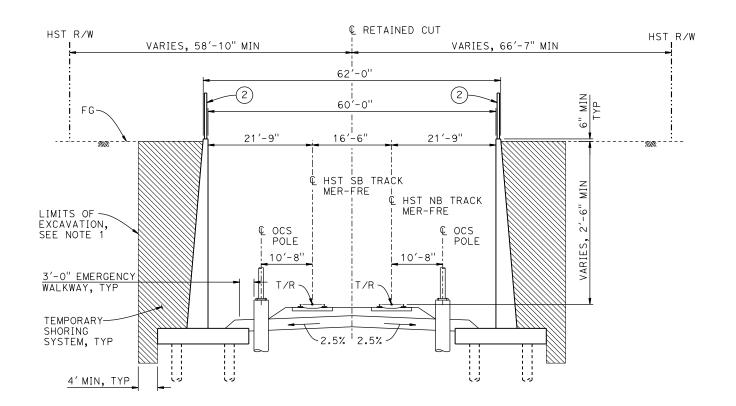


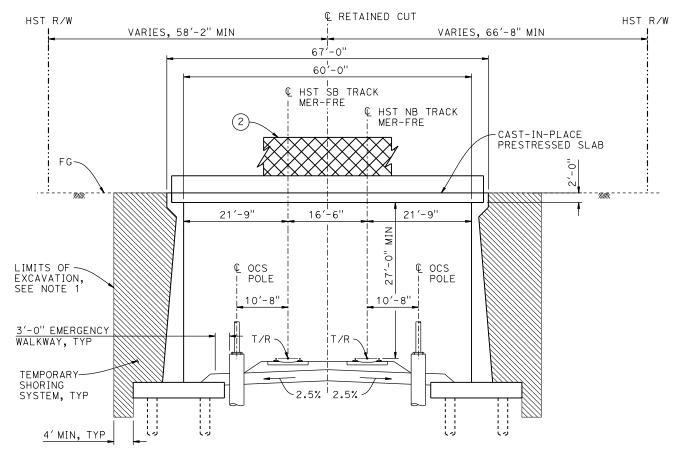
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
GENERAL PLAN (MER-FRE)
ROAD 11 BRIDGE

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K1495-A
SCALE
AS SHOWN
SHEET NO.



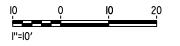




SECTION A-A

 $\frac{\mathsf{SECTION} \ \mathsf{B-B}}{\mathsf{1''} = \mathsf{10'}}$

- 1. LIMITS OF EXCAVATION SHALL NOT EXTEND BEYOND
- 2. PILE LENGTH AND LAYOUT TO BE DETERMINED ONCE A SITE SPECIFIC ASSESSMENT OF GROUNDWATER CONDITIONS IS AVAILABLE.
- 3. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWINGS TT-B0054-A AND TT-B0055-A.



_								
9							DESIGNED BY O. EDEWOR	RECORD SET
							DRAWN BY	15% DESIGN
							CHECKED BY	SUBMITTAL
2							S. J. S. IN CHARGE	NOT FOR
36							C. LEMLEY	CONSTRUCTION
ă	REV	DATE	BY	снк	APP	DESCRIPTION	DATE 02/13/2015	

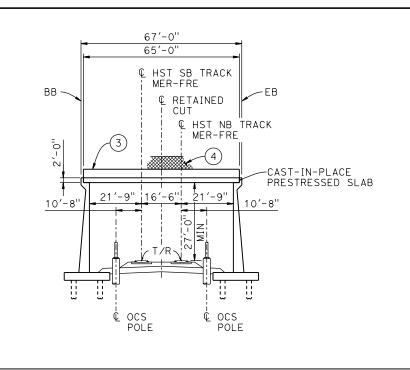




CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TYPICAL SECTIONS (MER-FRE) RETAINED CUT - SANDY MUSH ROAD - 2 OF 2

Г	CONTRACT NO. HSR08-05
	DRAWING NO. ST-T3500-A
	AS SHOWN
	SHEET NO.



48'-0"

42'-10"

© SANDY MUSH ROAD
(APPROX)

12'-0"

12'-0"

SHLD

LANE

LANE

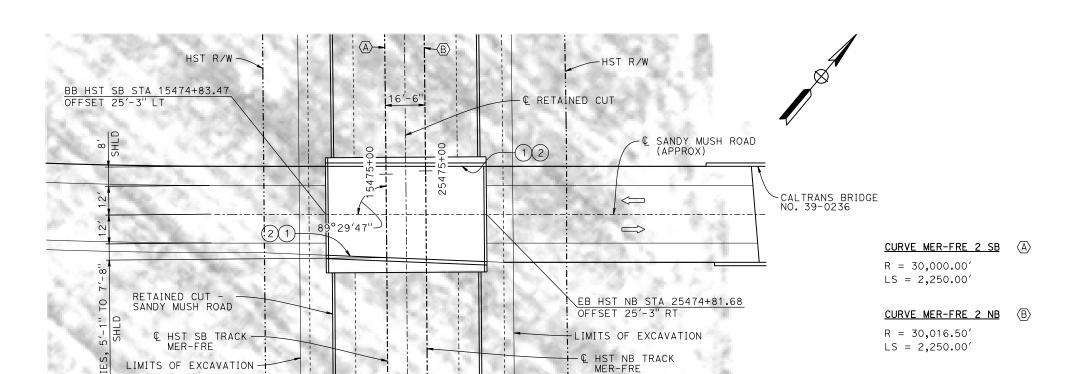
SHLD

CAST-IN-PLACE
PRESTRESSED SLAB

TYPICAL SECTION

DATUM ELEV 160.00'

ELEVATION 1"=20'

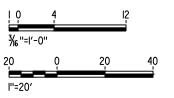


LEGEND:

- (1) PAINT "SANDY MUSH ROAD OVERHEAD"
- (2) PAINT "BRIDGE NO. XX-XXXX"
- (3) CONCRETE BARRIER TYPE 736 MOD
- (4) AR FENCE WITH SOLID PLATE

NOTES:

- 1. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1500-A.
- 2. PILE LENGTH AND LAYOUT TO BE DETERMINED ONCE A SITE SPECIFIC ASSESSMENT OF GROUNDWATER CONDITIONS IS AVAILABLE.
- 3. FOR RETAINED CUT SANDY MUSH ROAD GENERAL PLAN AND TYPICAL SECTIONS, SEE DRAWINGS ST-T1500-A AND ST-T3500-A.



DESIGNED BY
O. EDEWOR
DRAWN BY
J. KIDWELL
CHECKED BY
S. J. S.
IN CHARGE
C. LEMLEY

DESCRIPTION

DATE

BY CHK APP

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

60'-0"

PLAN 1"=20'

02/13/2015

VARIES, 126'-0" ±
HST R/W

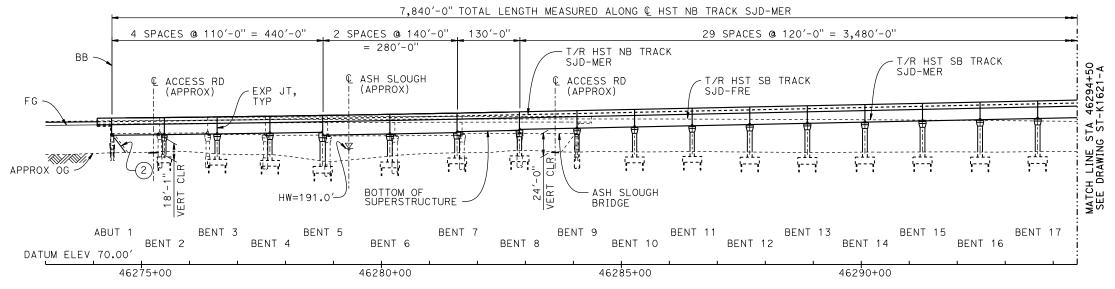


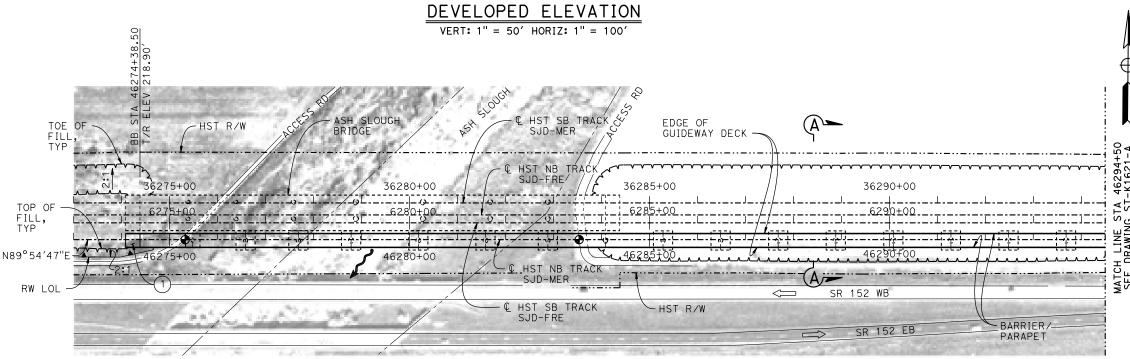


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
GENERAL PLAN (MER-FRE)
SANDY MUSH ROAD OVERHEAD

CONTRACT NO. HSR08-05
DRAWING NO.
ST-K1500-A
SCALE
AS SHOWN
SHEET NO.





LEGEND:

INDICATES POINT OF MINIMUM VERTICAL CLEARANCE

➤ INDICATES DIRECTION OF FLOW

INDICATES DIRECTION OF TRAFFIC

STRUCTURE APPROACH

SLOPE PAVING $(1\frac{1}{2}H:1V)$

TEMPORARY TRAFFIC OPENINGS

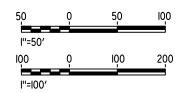
VEHICULAR TRAFFIC							
1 TRAFFIC WILL BE DETOURED AWAY FROM THE SITE.							
2. X TRAFFIC STRUCTU		UNDER THE					
ST OR ROAD NAME OPENING REQU AND LOCATION (HORIZ X VERT)							
ACCESS ROAD 46275+25 20'X16.5' -							
ACCESS ROAD 46283+62 20'X16.5' -							
3. X TEMP TRAFFIC LANE REDUCTION FOR FTG EXC.							

NOTES:

- 16" Ø PIPE PILES ASSUMED FOR ABUTMENT AND BENT FOUNDATIONS, UNLESS OTHERWISE NOTED. PILE LENGTHS TO BE DETERMINED.
- 2. FOR SECTIONS AND BENT COLUMN SCHEDULE, SEE DRAWINGS ST-K3620-A AND ST-K3621-A.
- 3. ANY EXISTING DIRT ROAD THAT CONFLICTS WITH NEW CONSTRUCTION SHALL BE REALIGNED.
- 4. FOR RETAINING WALLS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-S1610-A AND CV-S1620-A.
- 5. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-S1610-A AND CV-S1620-A.
- 6. FOR ASH SLOUGH BRIDGE GENERAL PLAN AND TYPICAL SECTION, SEE DRAWINGS ST-K1170-A AND ST-K3170-A.

CURVE SJD-MER 1 NB (A)

R = 10,376.50'LS = 1,500.00'



ΉĒ								
-90							DESIGNED BY A. M.	
							DRAWN BY W. JOHNSEN	
							CHECKED BY S. J. S.	
5110							IN CHARGE	
036							C. LEMLEY	C
D00	REV	DATE	BY	CHK	APP	DESCRIPTION	02/13/2015	

RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION

PLAN

1" = 100'





CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE GENERAL PLAN (SJD-MER) AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 1 OF 6

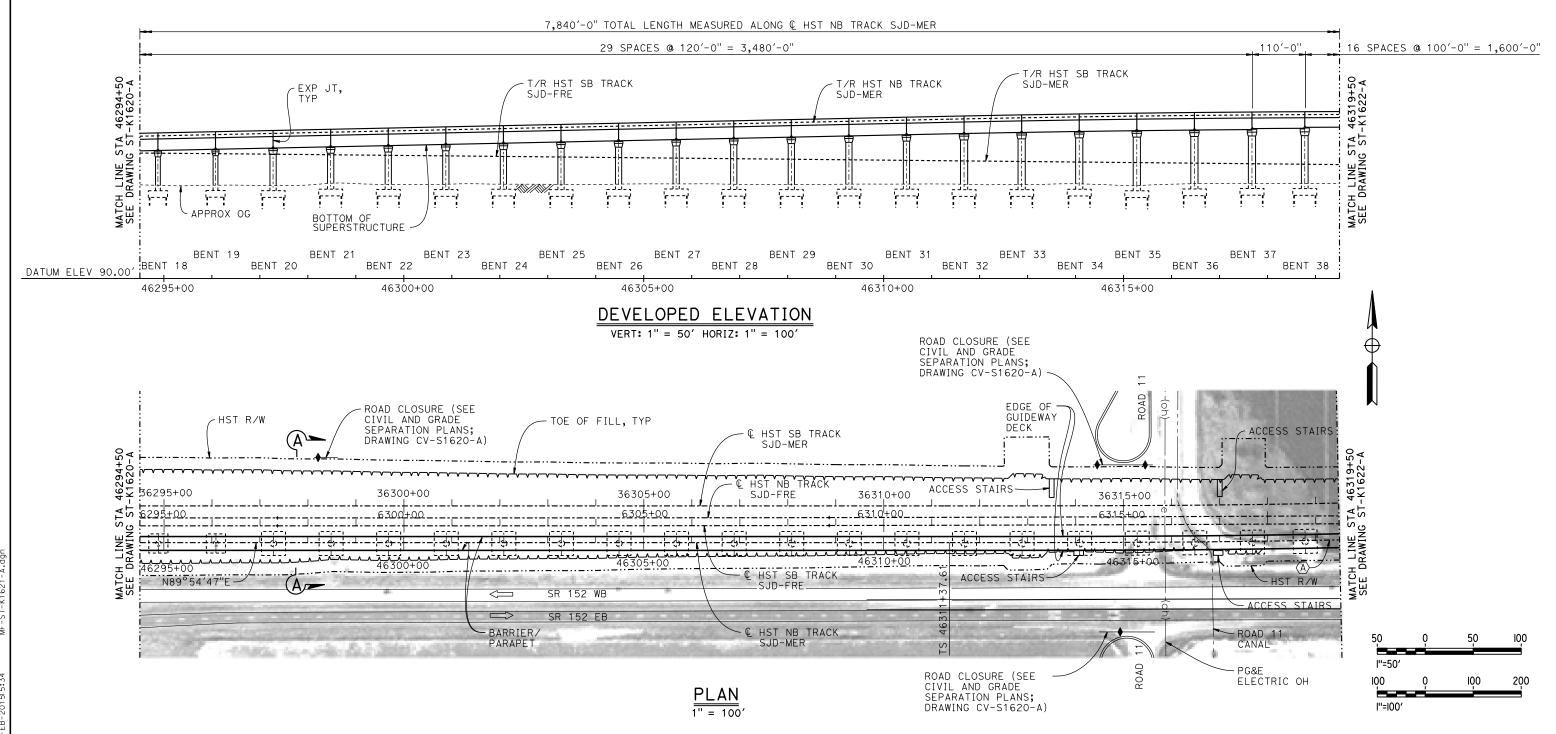
CONTRACT NO. HSR08-05
DRAWING NO.
ST-K1620-A
SCALE
AS SHOWN
SHEET NO.

2100.00' VC R/C=-0.110%/STA

1.05%

TOP OF RAIL PROFILE (HST NB TRACK SJD-MER)





DESIGNED BY RECORD SET DRAWN BY
W. JOHNSEN 15% DESIGN SUBMITTAL CHECKED BY IN CHARGE
C. LEMLEY CONSTRUCTION DATE BY CHK APP DESCRIPTION 02/13/2015

PARSONS

NOT FOR

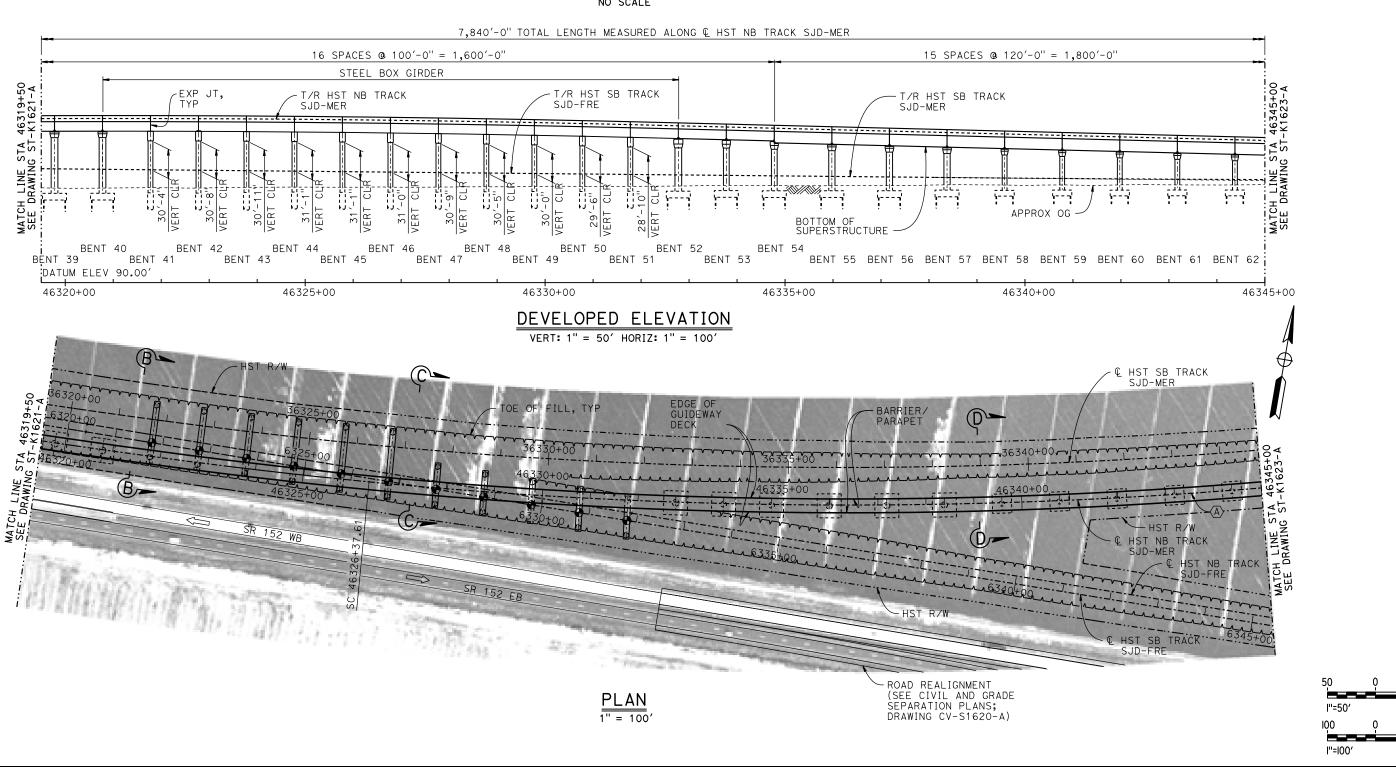


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE GENERAL PLAN (SJD-MER) AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 2 OF 6

	RACT NO.
LH	SR08-05
DRAW	ING NO.
S	T-K1621-A
SCAL	Ε
A	S SHOWN
SHEE	T NO.
l	

TOP OF RAIL PROFILE (& HST NB TRACK SJD-MER)



ĮĮ.								
-90							DESIGNED BY A. M.	
							DRAWN BY W. JOHNSEN	ĺ
							CHECKED BY	ł
110							S. J. S. IN CHARGE	ł
36							C. LEMLEY	(
D00d	REV	DATE	BY	снк	APP	DESCRIPTION	02/13/2015	

RECORD SET CONSTRUCTION

15% DESIGN SUBMITTAL

NOT FOR





CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

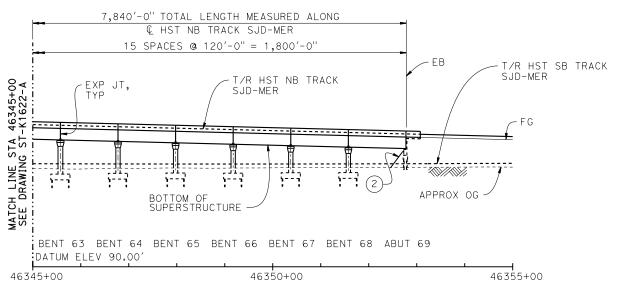
CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE GENERAL PLAN (SJD-MER) AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 3 OF 6

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K1622-A
SCALE
AS SHOWN
SHEET NO.

100

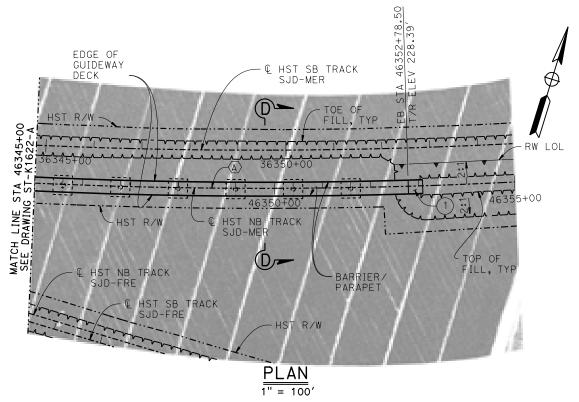
TOP OF RAIL PROFILE (HST NB TRACK SJD-MER)

NO SCALE



DEVELOPED ELEVATION

VERT: 1" = 50' HORIZ: 1" = 100'



50	Q	50	100
l''=50'	0	100	200
l''=l00′		<u> </u>	

						DESIGNED BY A. M.	
						DRAWN BY W. JOHNSEN	
						CHECKED BY S. J. S.	
						IN CHARGE C. LEMLEY] 。
REV	DATE	BY	СНК	APP	DESCRIPTION	05/08/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

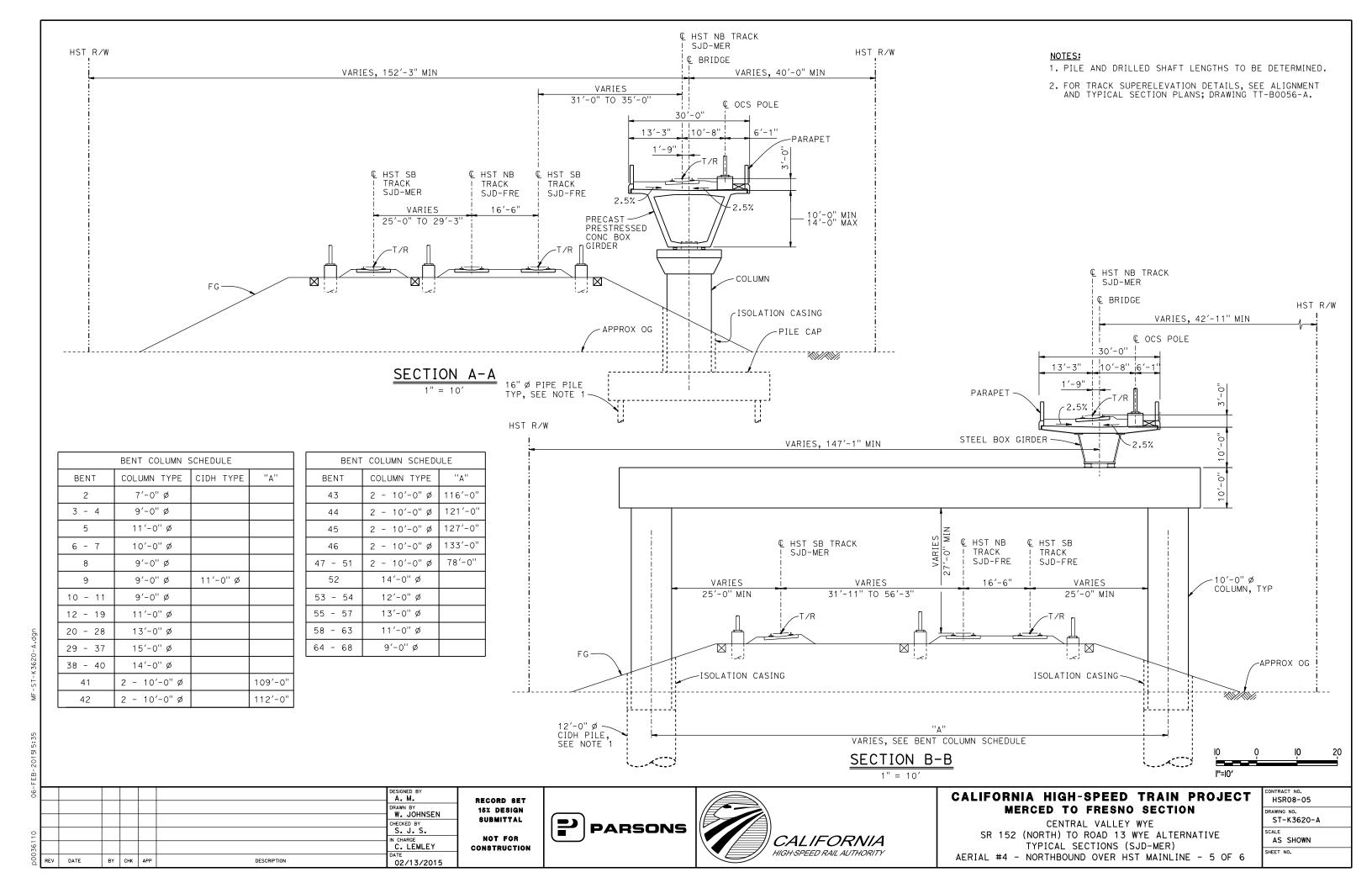


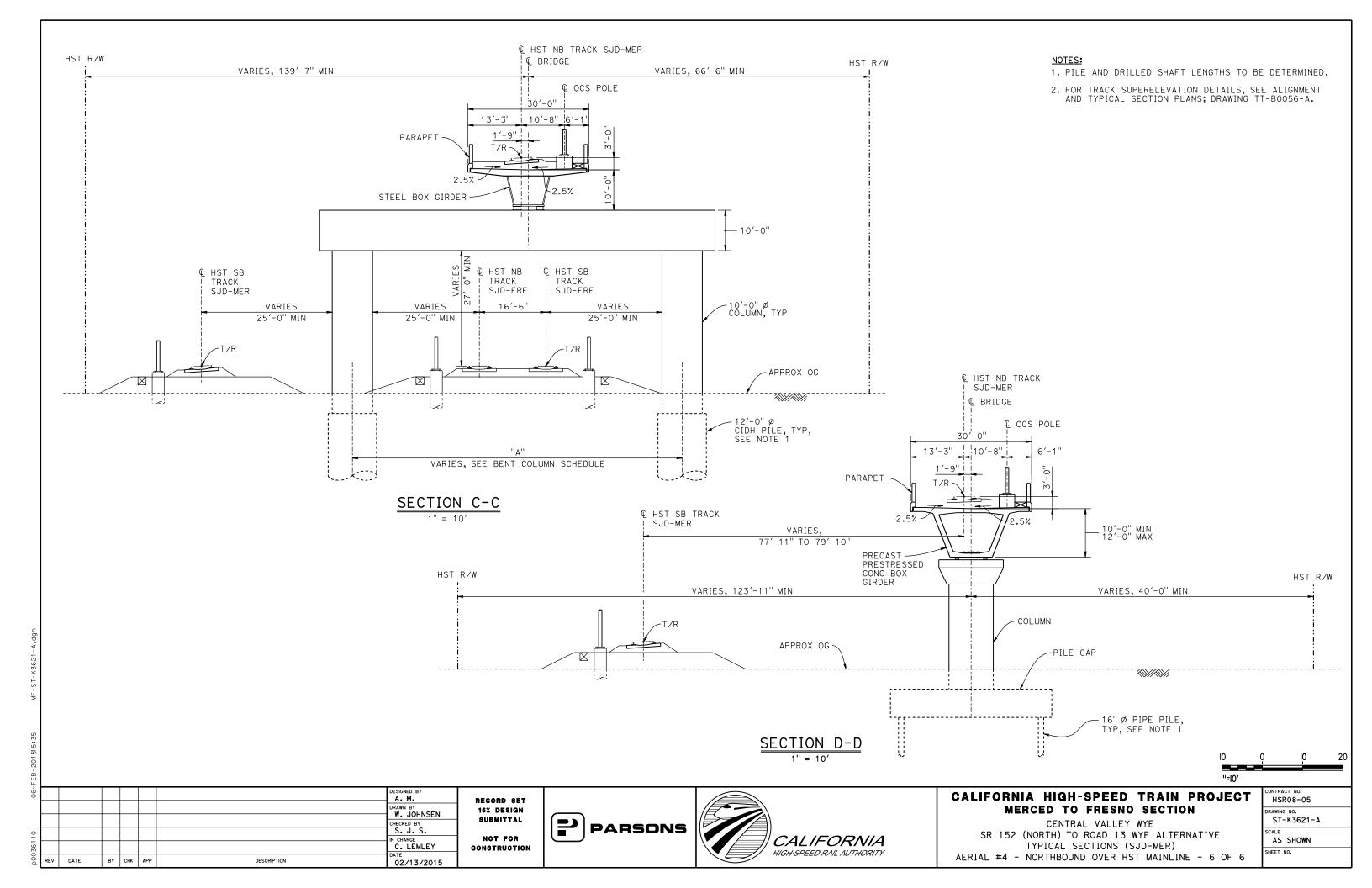


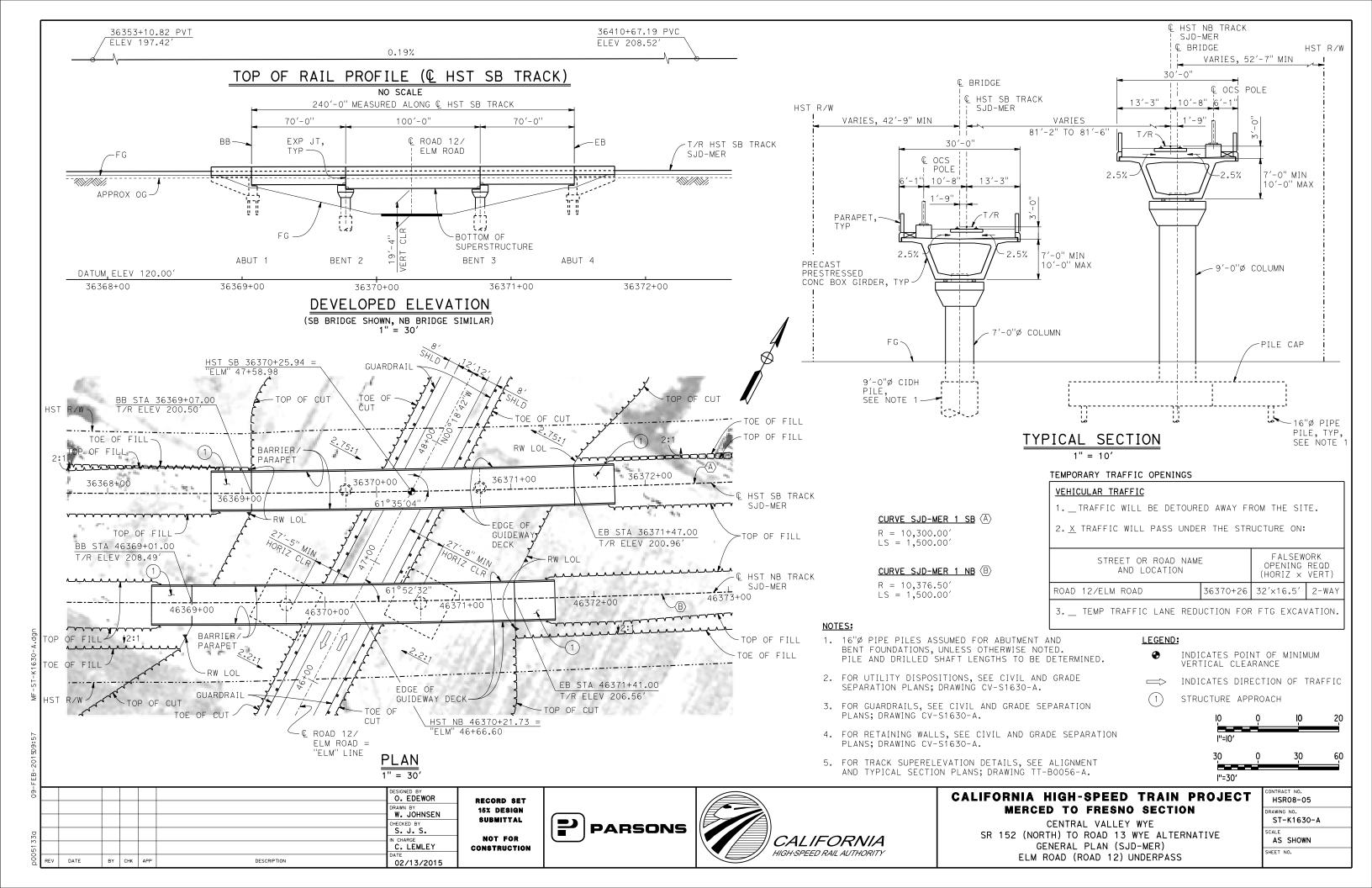
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

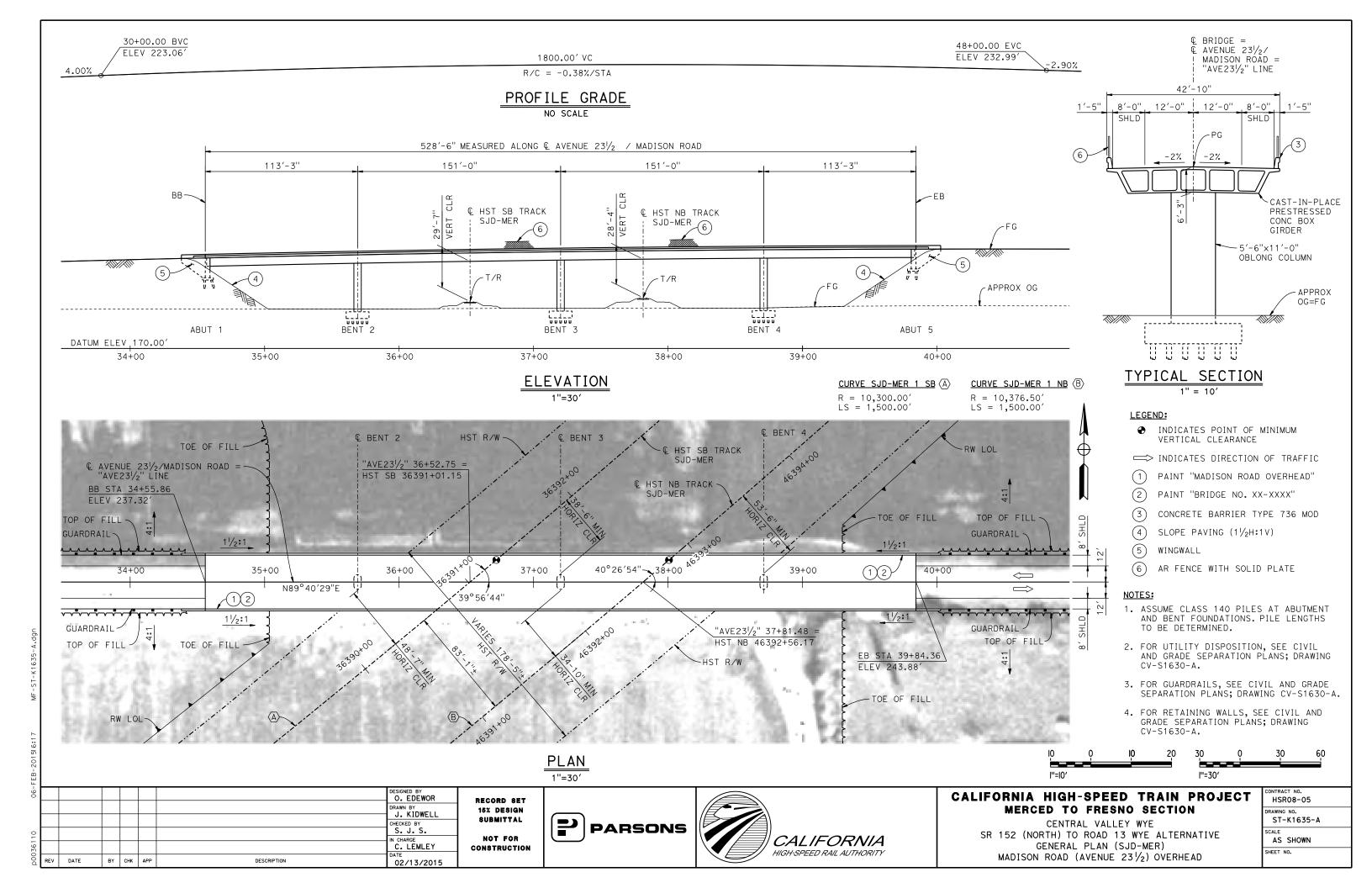
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
GENERAL PLAN (SJD-MER)
AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 4 OF 6

,	CONTRACT NO.
	HSR08-05
	DRAWING NO.
	ST-K1623-A
	SCALE
	AS SHOWN
	SHEET NO.





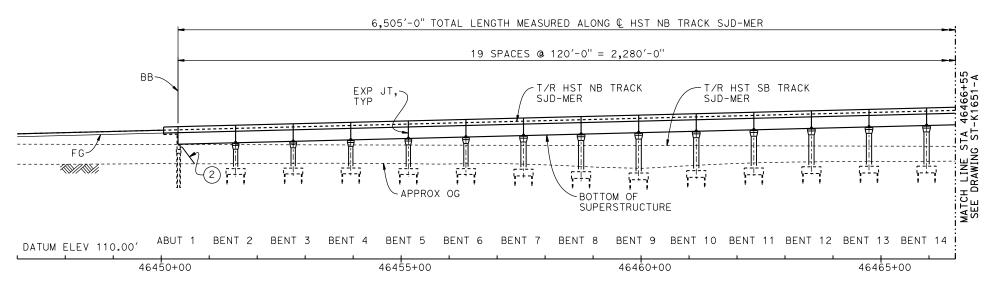




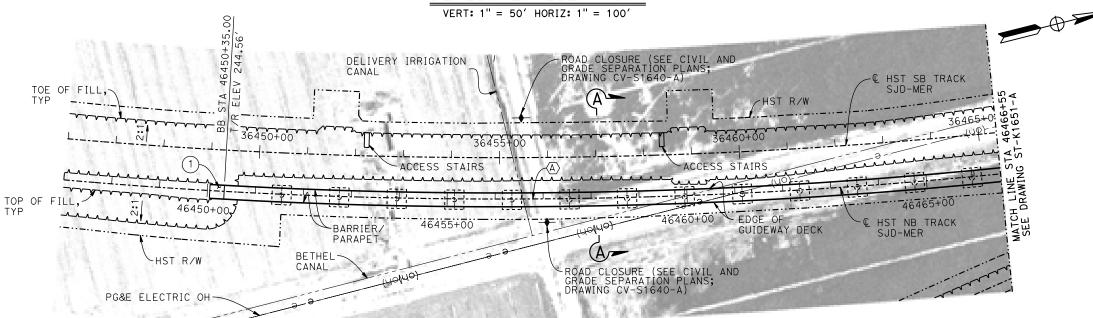
46430+27.13 PVT ELEV 219.46'

1.25%

TOP OF RAIL PROFILE (& HST NB TRACK SJD-MER)



DEVELOPED ELEVATION



PLAN 1" = 100'

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION





LEGEND:

INDICATES POINT OF MINIMUM VERTICAL CLEARANCE

INDICATES DIRECTION OF FLOW

(1) STRUCTURE APPROACH

(2) SLOPE PAVING $(1\frac{1}{2}H:1V)$

CURVE SJD-MER 1 NB (A)

R = 10,376.50'LS = 1,500.00'

TEMPORARY TRAFFIC OPENINGS

VEHICULAR TRAFFIC

- 1. _ TRAFFIC WILL BE DETOURED AWAY FROM THE SITE.
- 2. X TRAFFIC WILL PASS UNDER THE STRUCTURE ON:

ST OR ROAD NAME AND LOCATION	FALSEW OPENING (HORIZ X	REQD	
AVENUE 25/WASHINGTON RD	46483+65	32′X16.5′	2-WAY
AVENUE 251/2	46510+03	32′X16.5′	2-WAY
7 TEMP TRAFFIC LAME DE	DUCTION FO		

3. _ TEMP TRAFFIC LANE REDUCTION FOR FTG EXC.

NOTES:

- 1. 16" Ø PIPE PILES ASSUMED FOR ABUTMENT AND BENT FOUNDATIONS, UNLESS OTHERWISE NOTED. PILE LENGTHS TO BE DETERMINED.
- 2. FOR SECTIONS AND BENT COLUMN SCHEDULE, SEE DRAWINGS ST-K3650-A AND ST-K3651-A.
- 3. ANY EXISTING DIRT ROAD THAT CONFLICTS WITH NEW CONSTRUCTION SHALL BE REALIGNED.
- 4. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-S1640-A AND CV-S1650-A.
- 5. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-S1640-A AND CV-S1650-A.
- 6. FOR RETAINING WALLS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-S1640-A AND CV-S1650-A.
- 7. FOR WASHINGTON ROAD (AVENUE 25) UNDERPASS GENERAL PLAN AND TYPICAL SECTION, SEE DRAWINGS ST-K1450-A AND ST-K3450-A.
- 8. FOR ASH SLOUGH BRIDGE GENERAL PLAN AND TYPICAL SECTIONS, SEE DRAWINGS ST-K1455-A AND ST-K3455-A.
- 9. FOR HST SB BRIDGE OVER ASH SLOUGH GENERAL PLAN AND TYPICAL SECTIONS, SEE DRAWINGS ST-K1655-A AND ST-K3655-A.



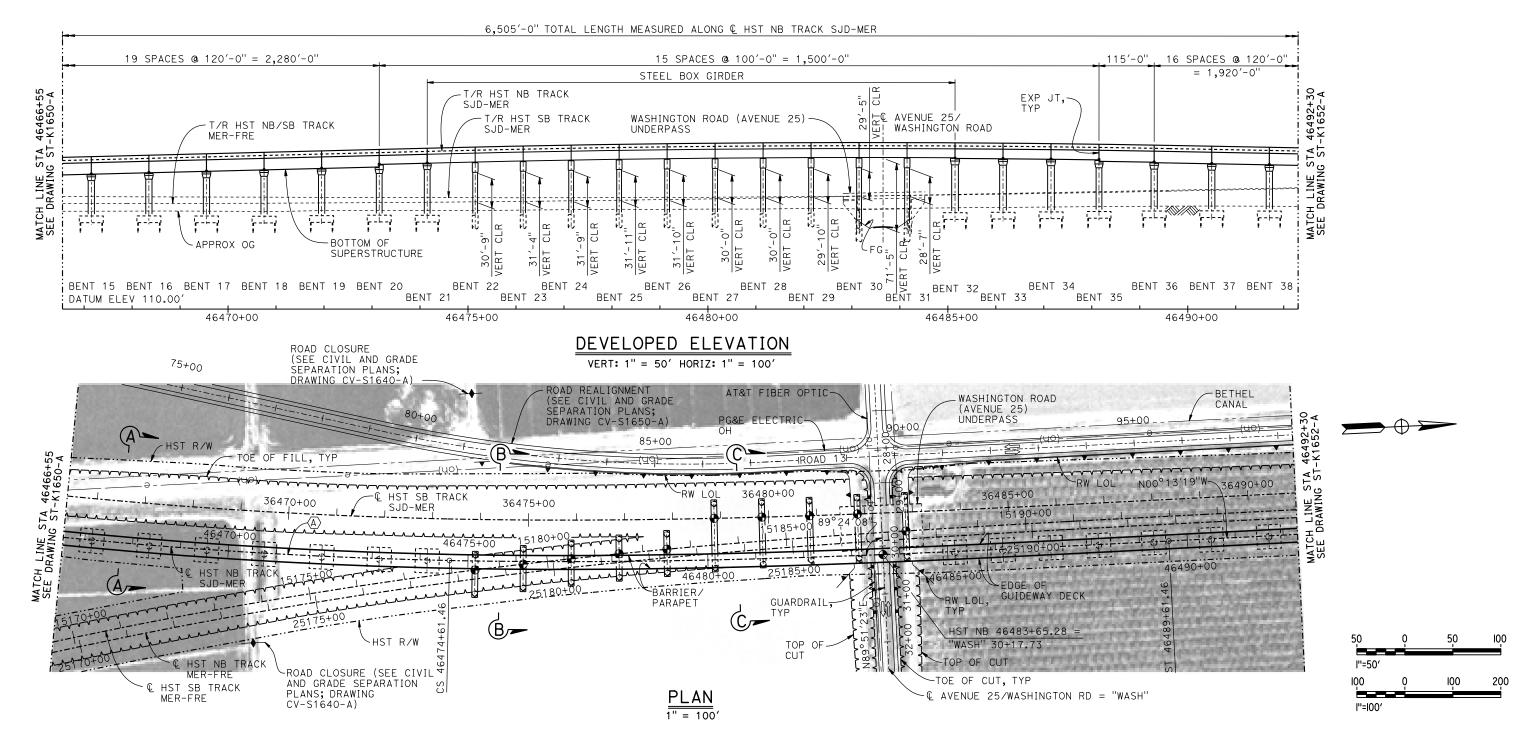
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
GENERAL PLAN (SJD-MER)
AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 1 OF 5

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K1650-A
SCALE
AS SHOWN
SHEET NO.

TOP OF RAIL PROFILE (& HST NB TRACK SJD-MER)

NO SCALE



10 06-FEB-201515:41

| DESIGNED BY | S. J. S. | DRAWN BY | S. M. | DRAWN BY | R. M. | CHECKED BY | O. EDEWOR | DRAWN BY | DESCRIPTION | DATE | BY CHK | APP | DESCRIPTION | DATE | DATE | DATE | BY CHK | APP | DESCRIPTION | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE

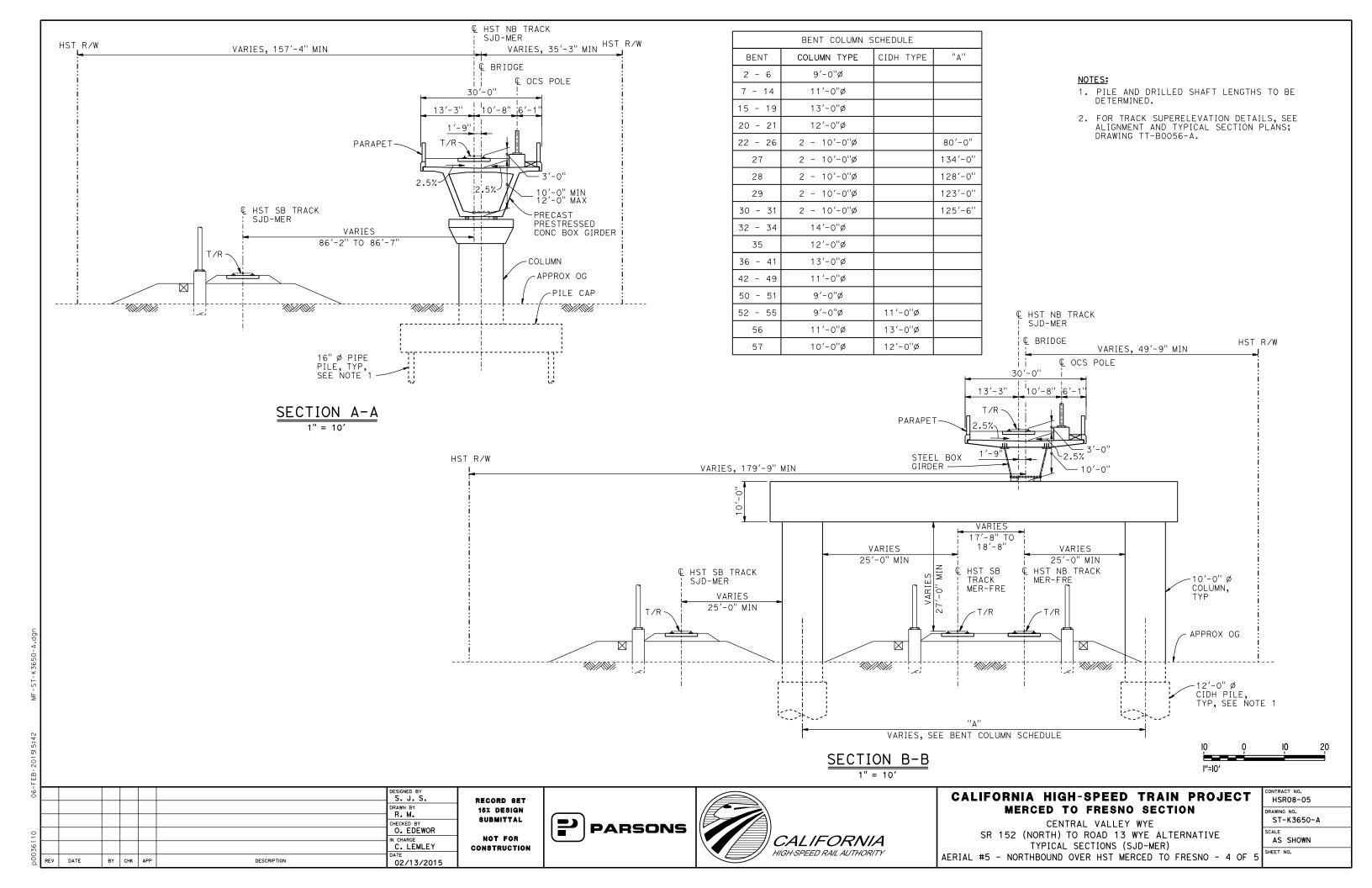
PARSONS

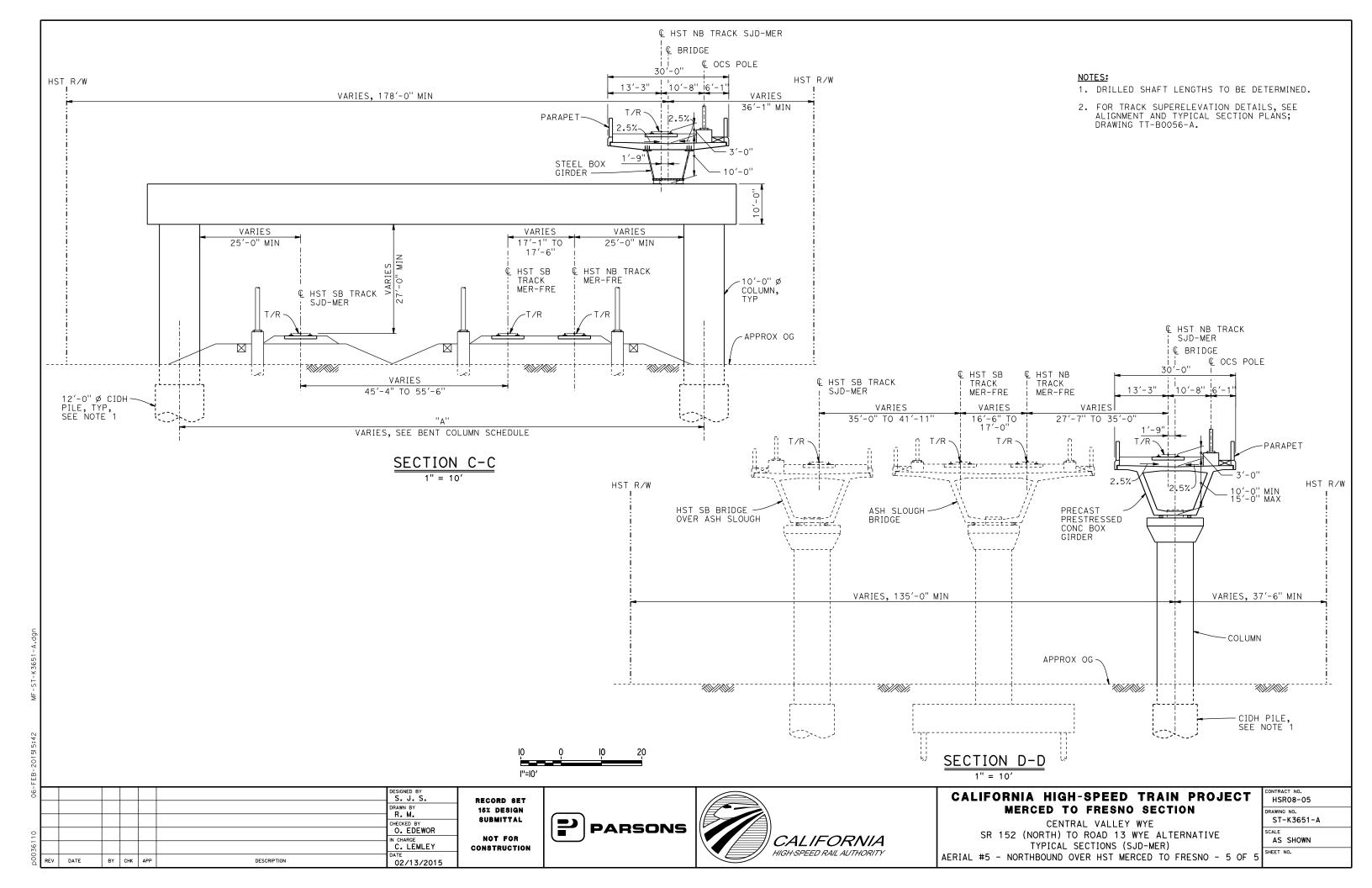


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

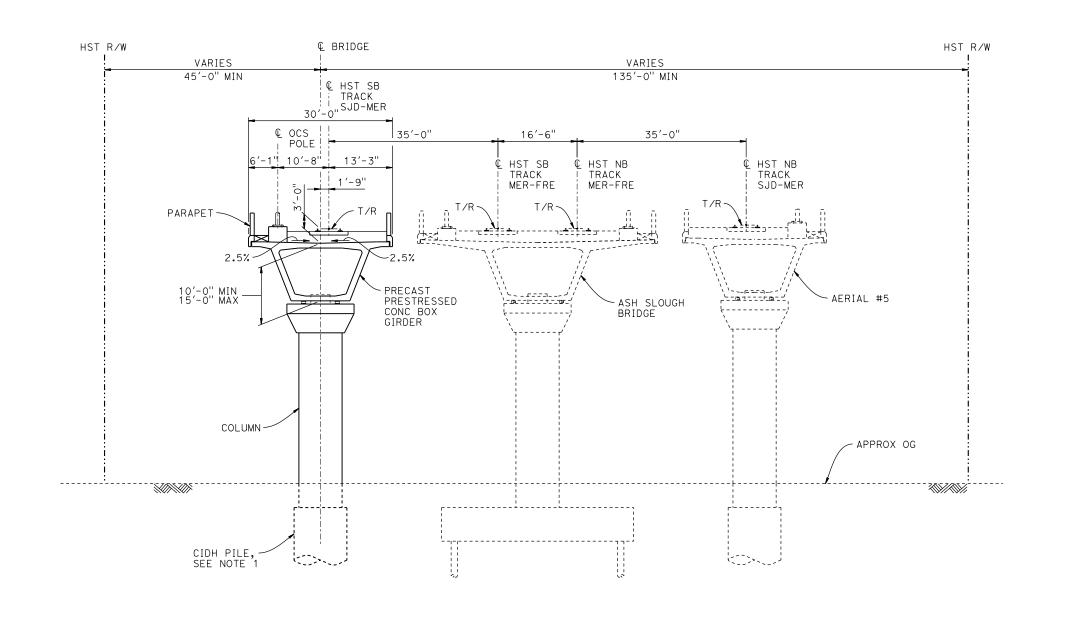
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
GENERAL PLAN (SJD-MER)
AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO - 2 OF 5

	CONTRACT NO.
	HSR08-05
	DRAWING NO.
	ST-K1651-A
	SCALE
	AS SHOWN
5	SHEET NO.





36516+54.59 PVT 36505+54.59 PVC ELEV 257.28' ELEV 250.72' 1100.00' VC 0.16% TEMPORARY TRAFFIC OPENINGS 1.04% R/C=-0.080%/STA VEHICULAR TRAFFIC TOP OF RAIL PROFILE (HST SB TRACK SJD-MER) 1. __TRAFFIC WILL BE DETOURED AWAY FROM THE SITE. NO SCALE 2. \underline{X} TRAFFIC WILL PASS UNDER THE STRUCTURE ON: 690'-0" MEASURED ALONG € HST SB TRACK SJD-MER FALSEWORK ST OR ROAD NAME OPENING REQD (HORIZ X VERT) 4 SPACES @ 100'-0" = 400'-0" 140'-0" AND LOCATION BB –EB AVENUE $25\frac{1}{2}$ 36508+73 32'x16.5' 2-WAY AVENUE $25\frac{1}{2}$ (APPROX) 3. _ TEMP TRAFFIC LANE REDUCTION FOR T/R HST NB TRACK T/R HST SB/NB TRACK T/R HST SB TRACK ∠EXP JT, FTG EXC. AERIAL #5~ MER-FRE SJD-MER SJD-MER TYP £=3 FG-ار الحرارة المراجعة [] -HW=225.0' LEGEND: APPROX OG ASH SLOUGH BOTTOM OF INDICATES POINT OF MINIMUM **Q** ASH SLOUGH BRIDGE SUPERSTRUCTURE VERTICAL CLEARANCE (APPROX) BENT 2 BENT 3 BENT 4 BENT 5 BENT 6 ABUT 1 ABUT 7 DATUM ELEV 130.00 INDICATES DIRECTION OF FLOW 36506+00 36507+00 36508+00 36509+00 36510+00 36511+00 36512+00 36513+00 36514+00 36515+00 36516+00 STRUCTURE APPROACH ELEVATION SLOPE PAVING (11/2H:1V) 1'' = 50'ELECTRIC OH ROAD 13 TOE OF FILL -€ HST SB TRACK MER-FRE : NOTES: TOE OF FILL BB STA 36507+19.24 1. 16" Ø PIPE PILES ASSUMED FOR ABUTMENT AND BENT T/R ELEV 252.32' FOUNDATIONS. PILE LENGTHS TO BE DETERMINED. EDGE OF GUIDEWAY TOP OF FILL DECK T/R ELEV 256.66' 2. FOR SECTION AND BENT COLUMN SCHEDULE, SEE 36506+00 DRAWING ST-K3655-A. 36515+00 3. ANY EXISTING DIRT ROAD THAT CONFLICTS WITH NEW CONSTRUCTION SHALL BE REALIGNED. 5220+00 4. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1650-A. 25210+00 5. FOR GUARDRAIL, SEE CIVIL AND GRADE SEPARATION 25220+00 PLANS; DRAWING CV-S1650-A. TOP OF FILE 6. FOR ASH SLOUGH BRIDGE GENERAL PLAN AND TYPICAL SECTIONS, SEE DRAWINGS ST-K1455-A AND ST-K3455-A ℃ HST NB TRACK C HST NB TRACK TOP OF FILL TOE OF FILL -7. FOR AERIAL #5 - NORTHBOUND OVER HST MERCED TO FRESNO GENERAL PLAN AND TYPICAL SECTIONS, SEE DRAWINGS ST-K1650-A TO ST-K1652-A, ST-K3650-A GUARDRAIL TYP AND ST-K3651-A. TOE OF FILL HST R/W PLAN I"=50' 1" = 50' DESIGNED BY CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR08-05 RECORD SET DRAWN BY
W. JOHNSEN MERCED TO FRESNO SECTION 15% DESIGN RAWING NO. SUBMITTAL ST-K1655-A CENTRAL VALLEY WYE O. EDEWOR **PARSONS** SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE NOT FOR **CALIFORNIA** AS SHOWN N CHARGE C. LEMLEY GENERAL PLAN (SJD-MER) CONSTRUCTION HIGH-SPEED RAIL AUTHORITY SHEET NO. HST SB BRIDGE OVER ASH SLOUGH - 1 OF 2 DATE BY CHK APP DESCRIPTION 02/13/2015



	BENT COLUMN SCHED	ULE
BENT	COLUMN TYPE	CIDH TYPE
2 - 4	9'-0" Ø	11'-0" Ø
5	11'-0" Ø	13'-0" Ø
6	10'-0" Ø	12'-0" Ø

1. DRILLED SHAFT LENGTHS TO BE DETERMINED.

TYPICAL SECTION
1"=10'

0	Ò	ΙO	20
l''=l0′			

06-F							DESIGNED BY	REC
							DRAWN BY W. JOHNSEN	15
0							CHECKED BY O. EDEWOR	su
3611							IN CHARGE C. LEMLEY	CON
D00	REV	DATE	BY	снк	APP	DESCRIPTION	02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

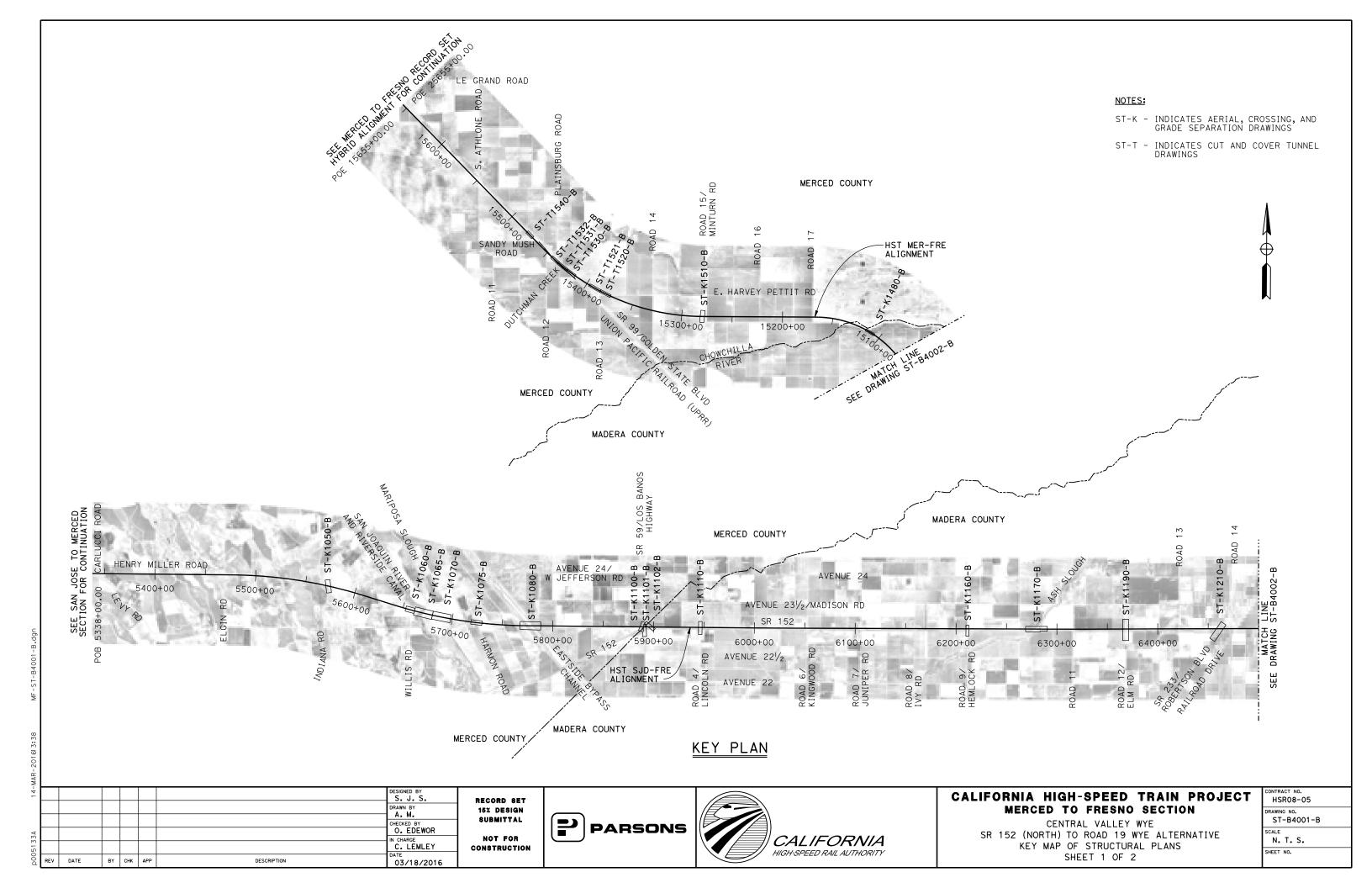


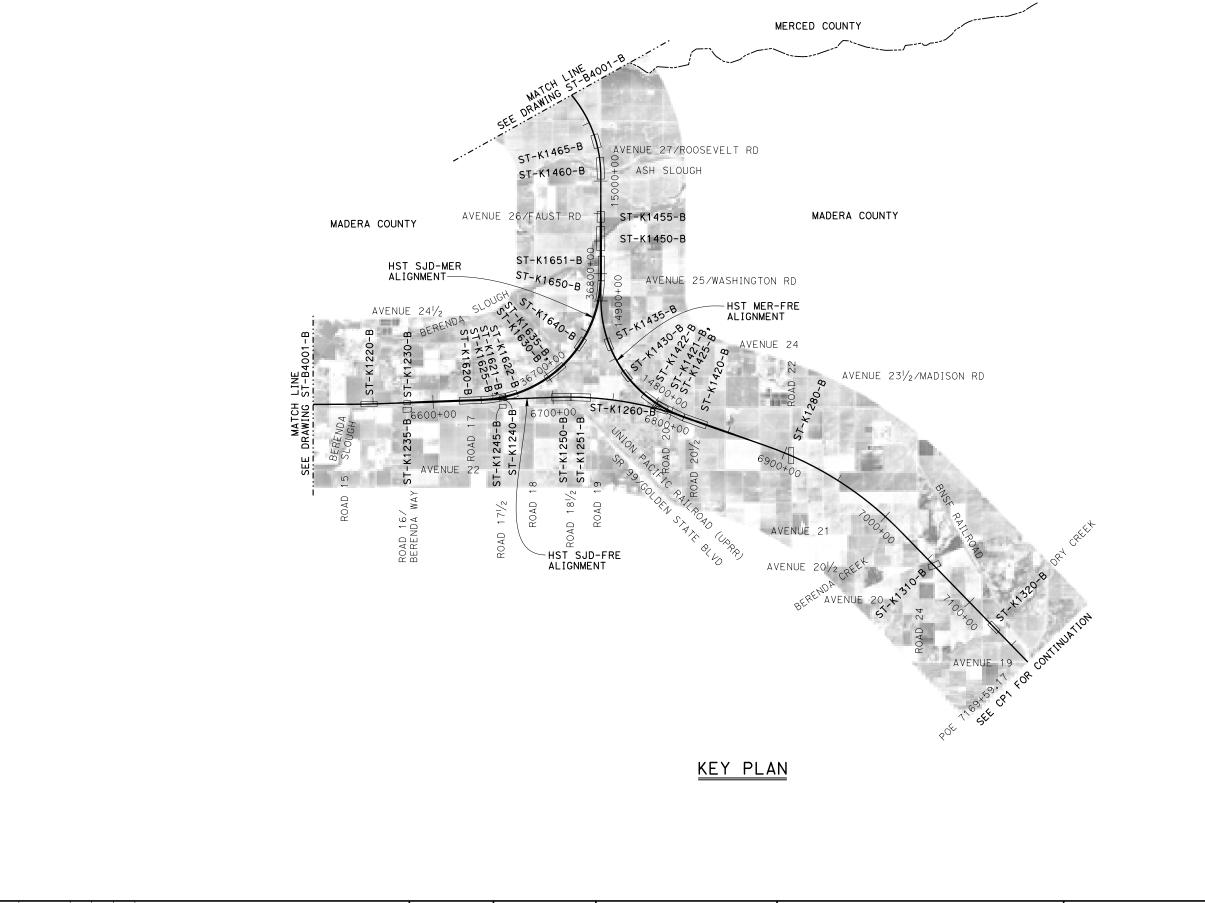


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION (SJD-MER)
HST SB BRIDGE OVER ASH SLOUGH - 2 OF 2

CONTRACT NO. HSR08-05
DRAWING NO.
ST-K3655-A
SCALE
AS SHOWN
SHEET NO.





ST-K - INDICATES AERIAL, CROSSING, AND GRADE SEPARATION DRAWINGS



CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR08MERCED TO FRESNO SECTION DRAWING NO.

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
KEY MAP OF STRUCTURAL PLANS
SHEET 2 OF 2

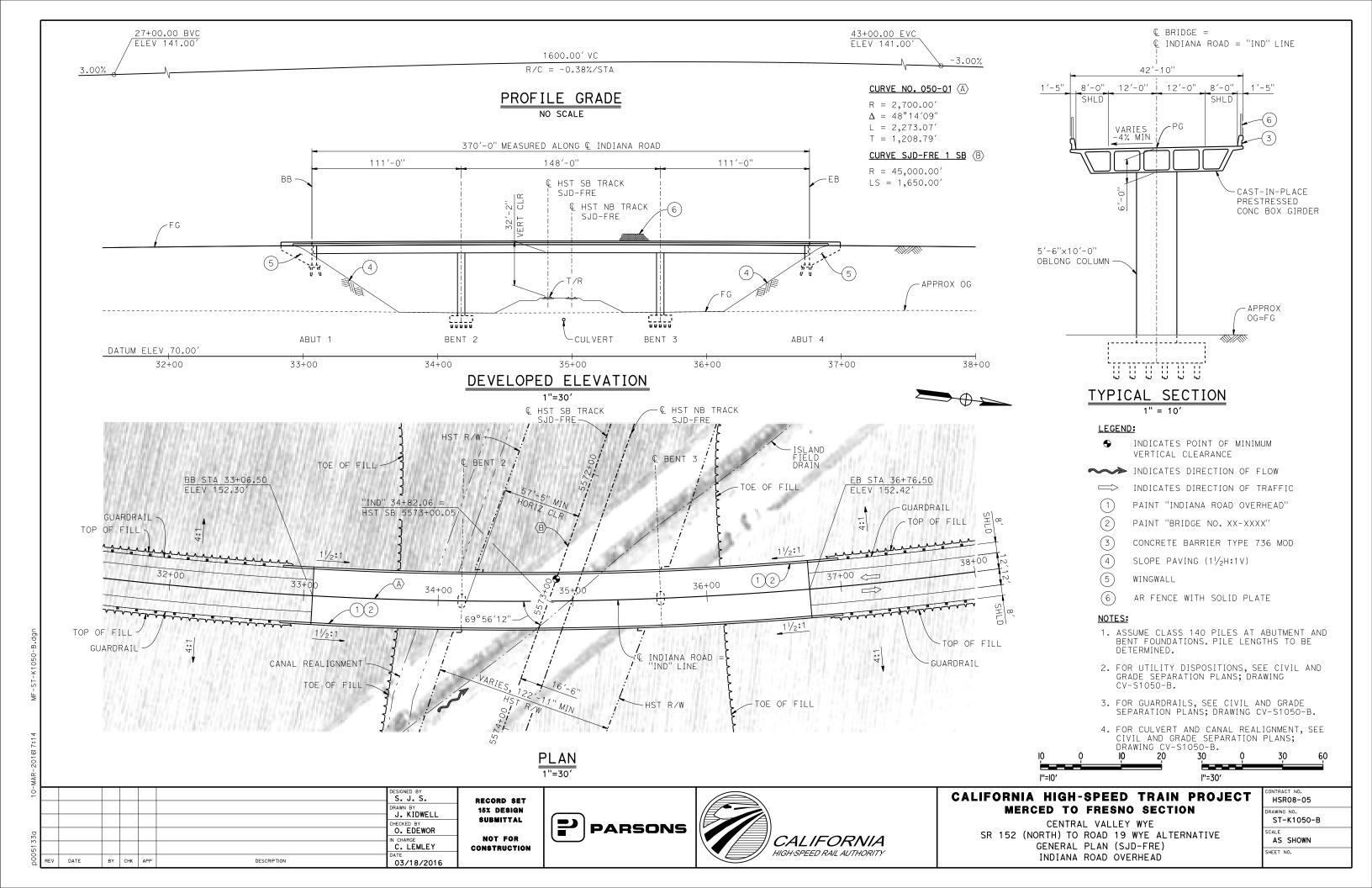
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DRAWING NO.						
ST-B4002-B						
N. T. S.						
SHEET NO.						

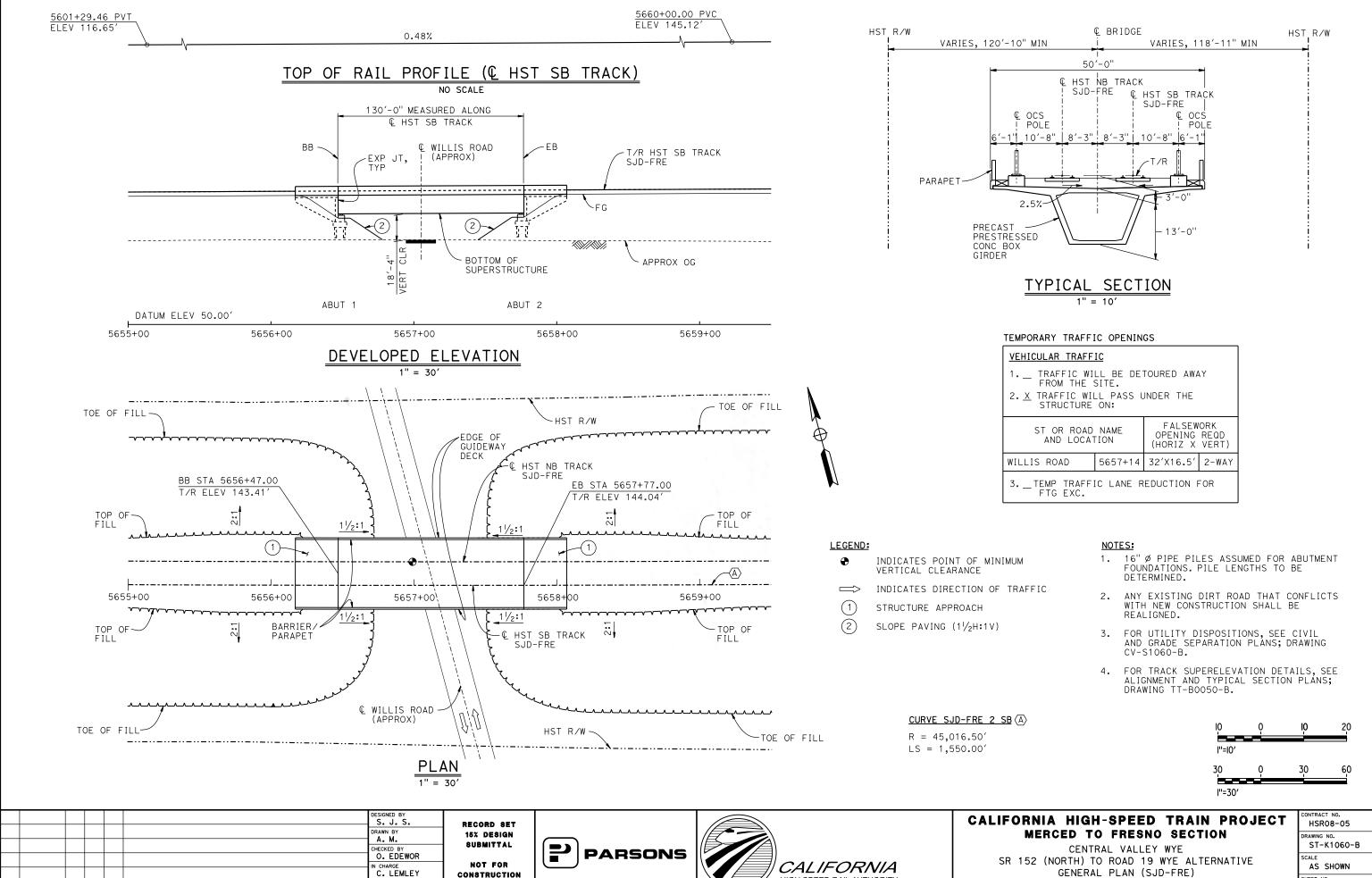
						DESIGNED BY
						DRAWN BY
						CHECKED BY
						A. GURA
						C. LEMLEY
REV	DATE	BY	СНК	APP	DESCRIPTION	03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION









HIGH-SPEED RAIL AUTHORITY

CONSTRUCTION

02/13/2015

DATE

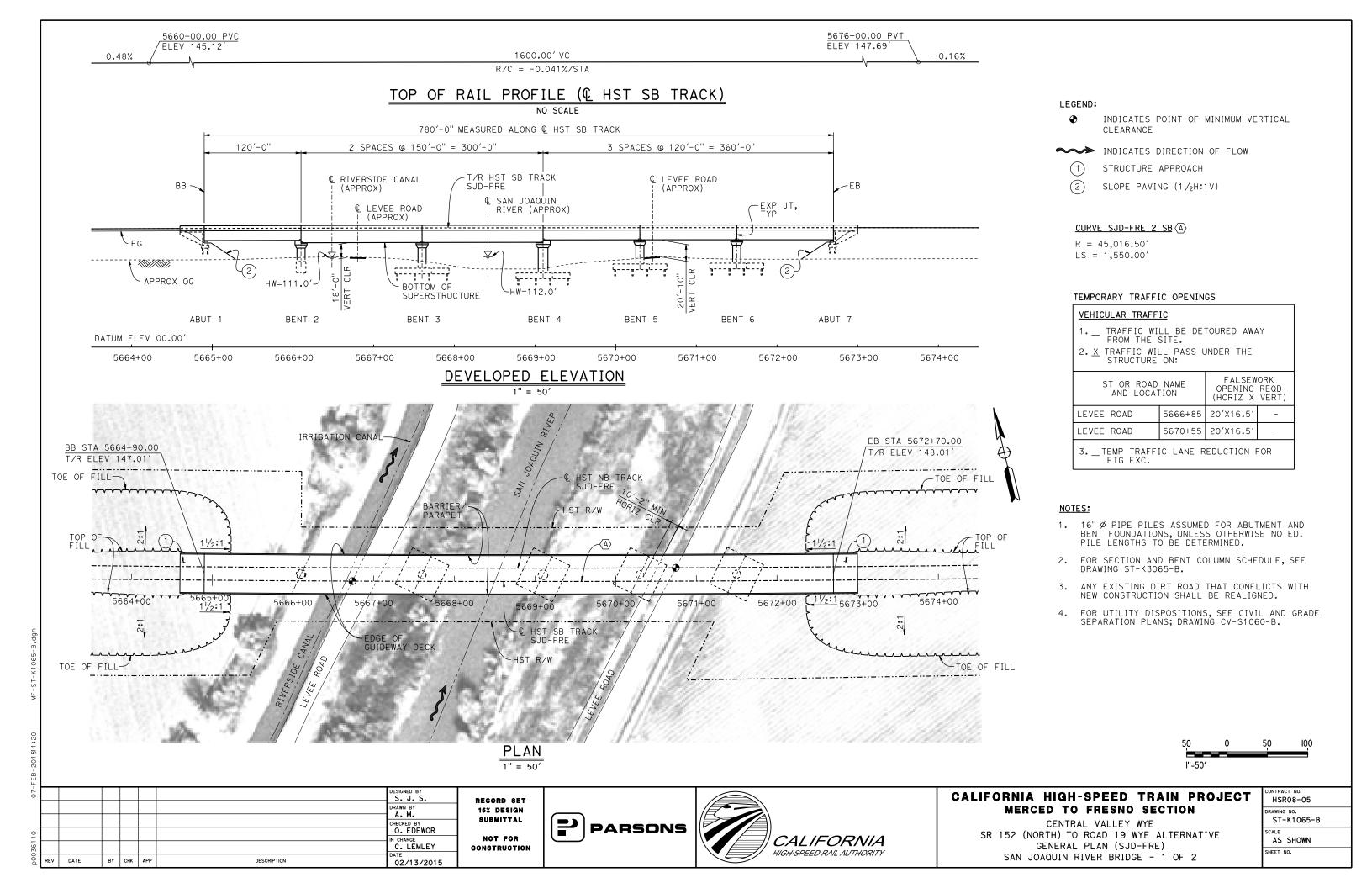
BY CHK APP

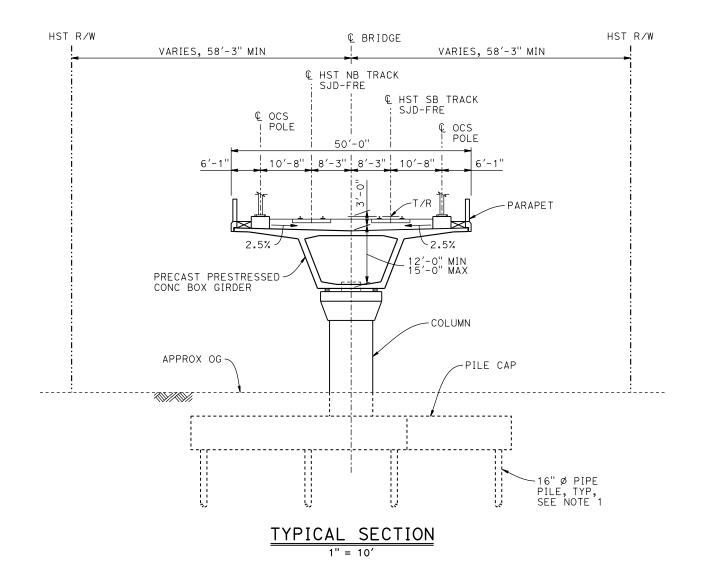
DESCRIPTION

AS SHOWN SHEET NO.

GENERAL PLAN (SJD-FRE)

WILLIS ROAD UNDERPASS





	BENT COLUMN SCHED	ULE
BENT	COLUMN TYPE	CIDH
2	10'-0" ø	12'-0" Ø
3	10′-0'' ø	
4	12'-0" ø	
5 - 6	10'-0" Ø	

- 1. PILE AND DRILLED SHAFT LENGTHS TO BE DETERMINED.
- 2. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWING TT-BOO50-B.



님	Щ,							
07							DESIGNED BY S. J. S.	
							DRAWN BY A. M.	RI 1
0							CHECKED BY O. EDEWOR	
3611							IN CHARGE C. LEMLEY	co
00d	REV	DATE	BY	снк	APP	DESCRIPTION	DATE 02/13/2015	

RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION

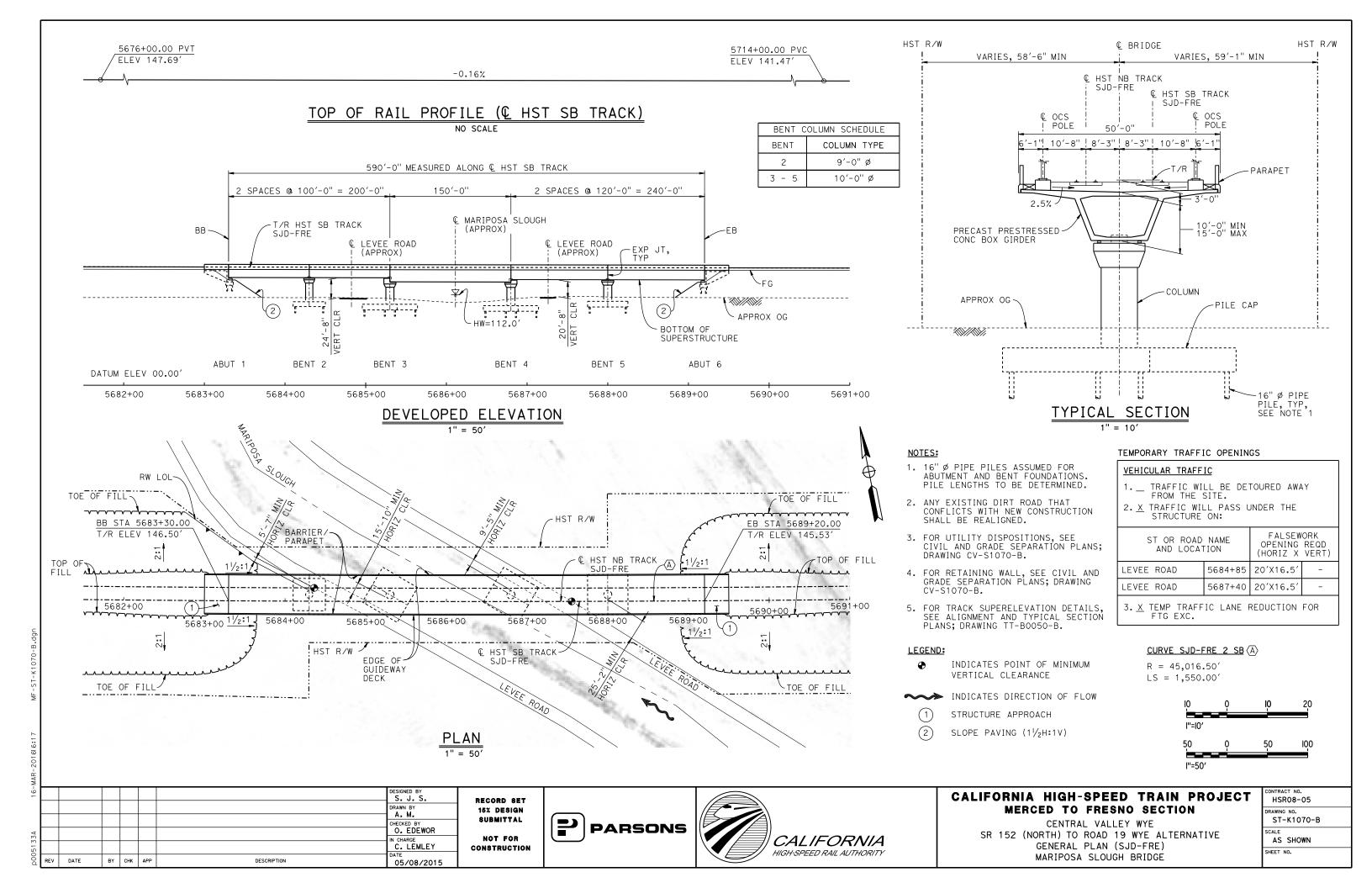


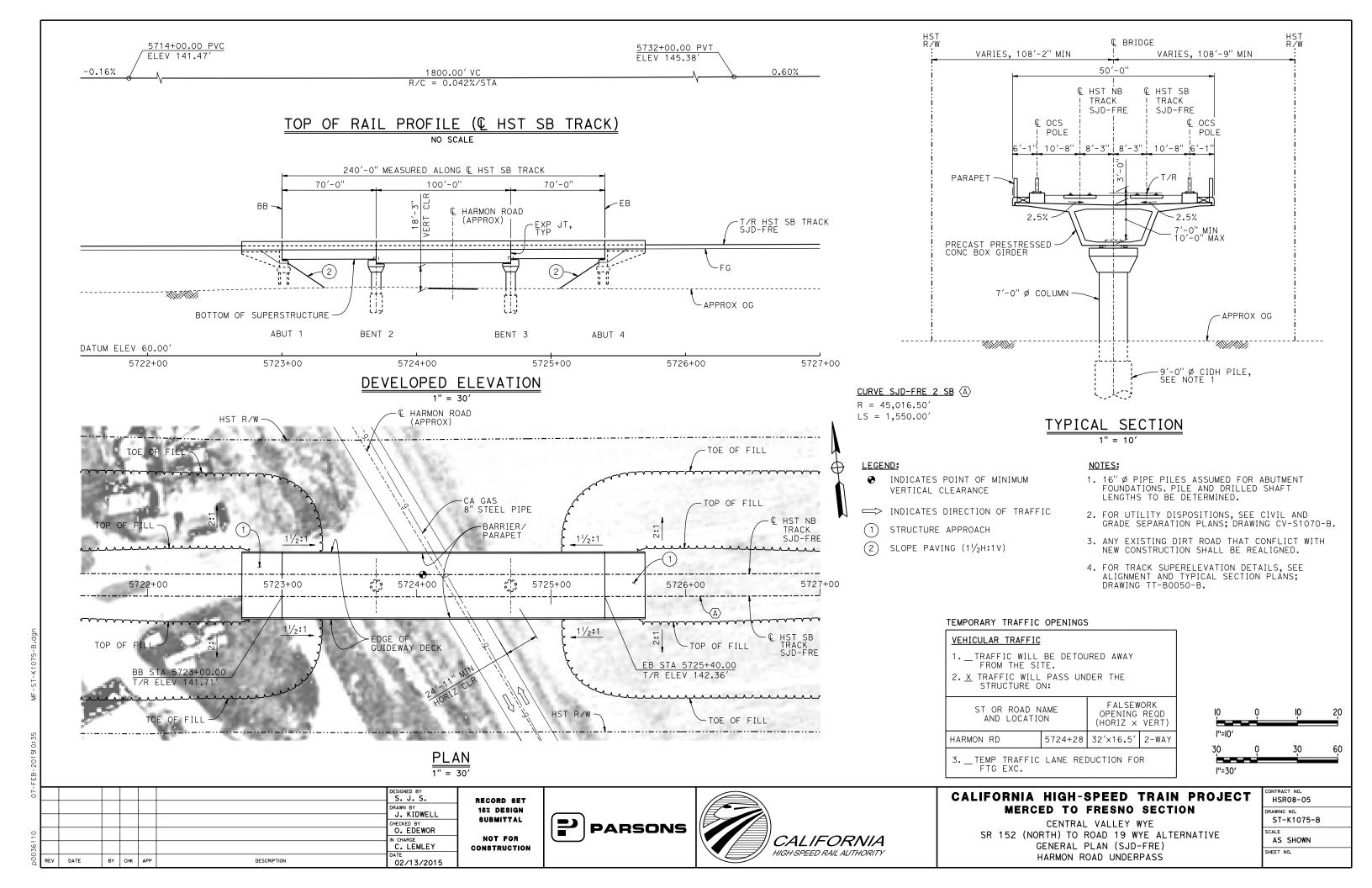


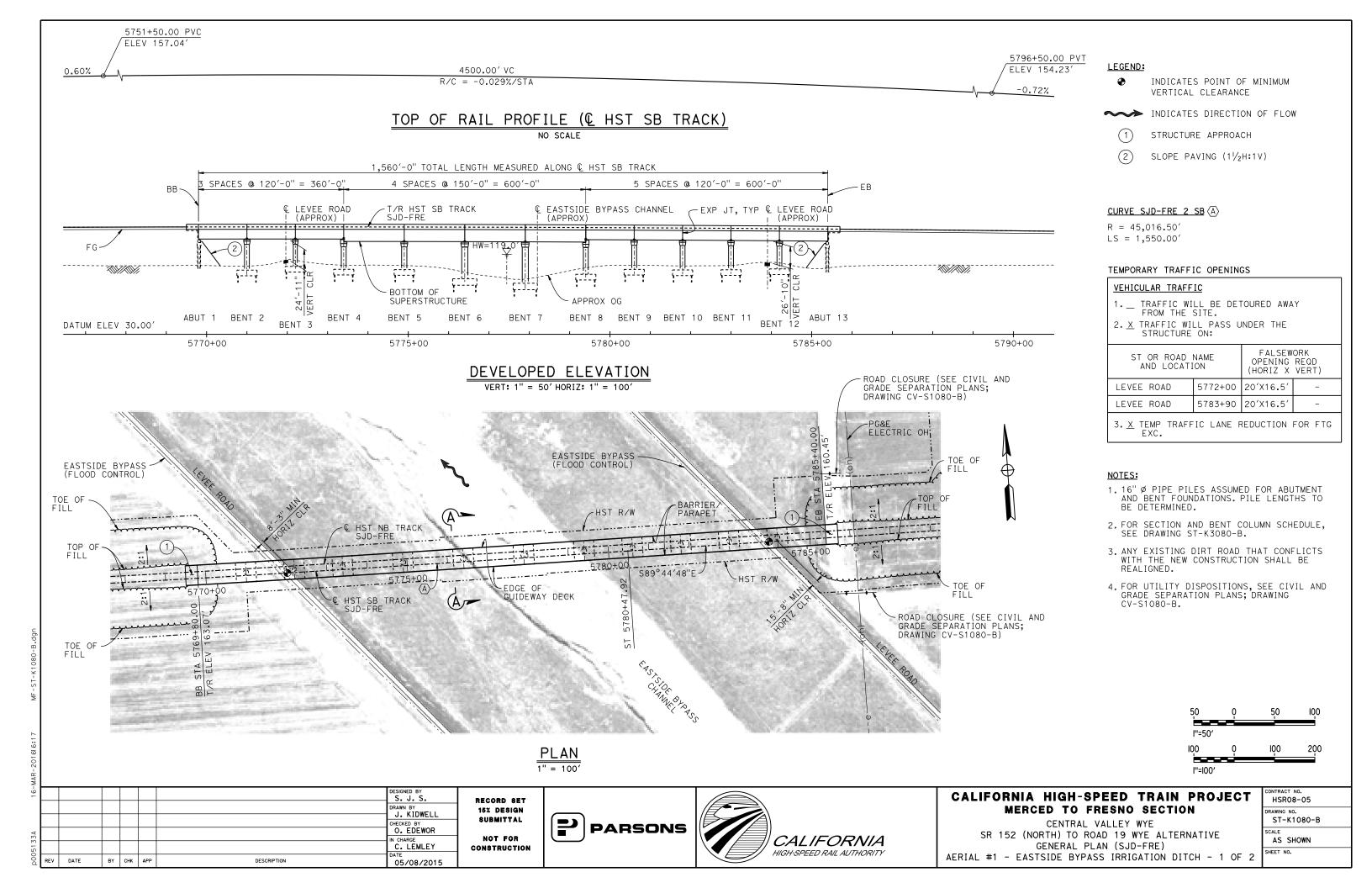
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

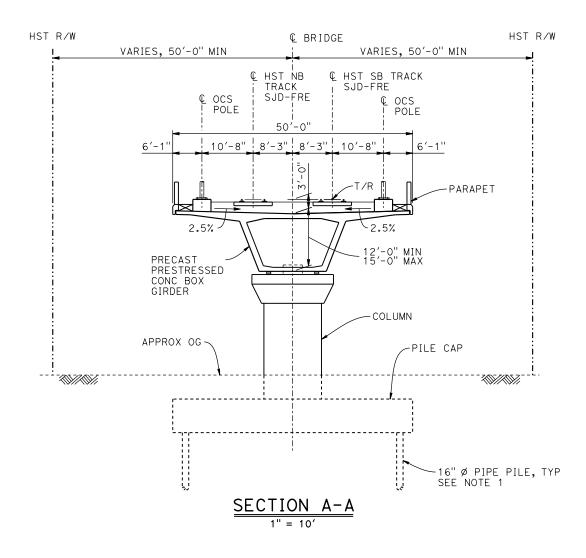
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TYPICAL SECTION (SJD-FRE)
SAN JOAQUIN RIVER BRIDGE - 2 OF 2

CONTRACT NO. HSR08-05
DRAWING NO. ST-K3065-B
AS SHOWN
SHEET NO.









BENT C	OLUMN SCHEDULE
BENT	COLUMN TYPE
2	12'-0" ø
3	10'-0" Ø
4	12'-0" Ø
5	13'-0" Ø
6 - 7	15′-0" ø
8 - 12	12'-0" Ø

- 1. PILE LENGTHS TO BE DETERMINED.
- 2. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWING TT-B0050-B.



Η̈́								
-70							DESIGNED BY	_
							DRAWN BY J. KIDWELL	R 1
0							CHECKED BY O. EDEWOR	
3611							IN CHARGE C. LEMLEY	CO
00d	REV	DATE	BY	снк	APP	DESCRIPTION	02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION





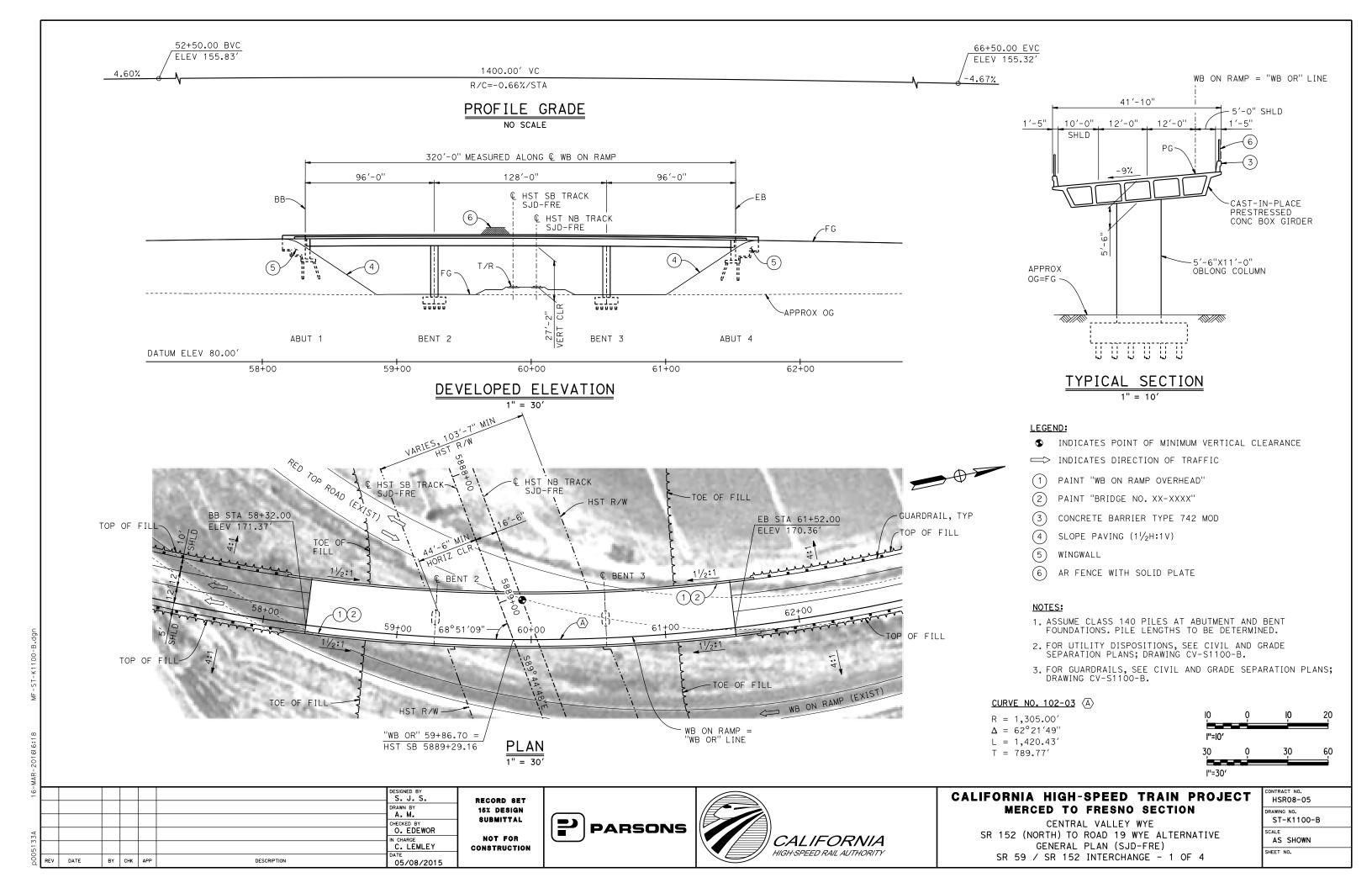
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

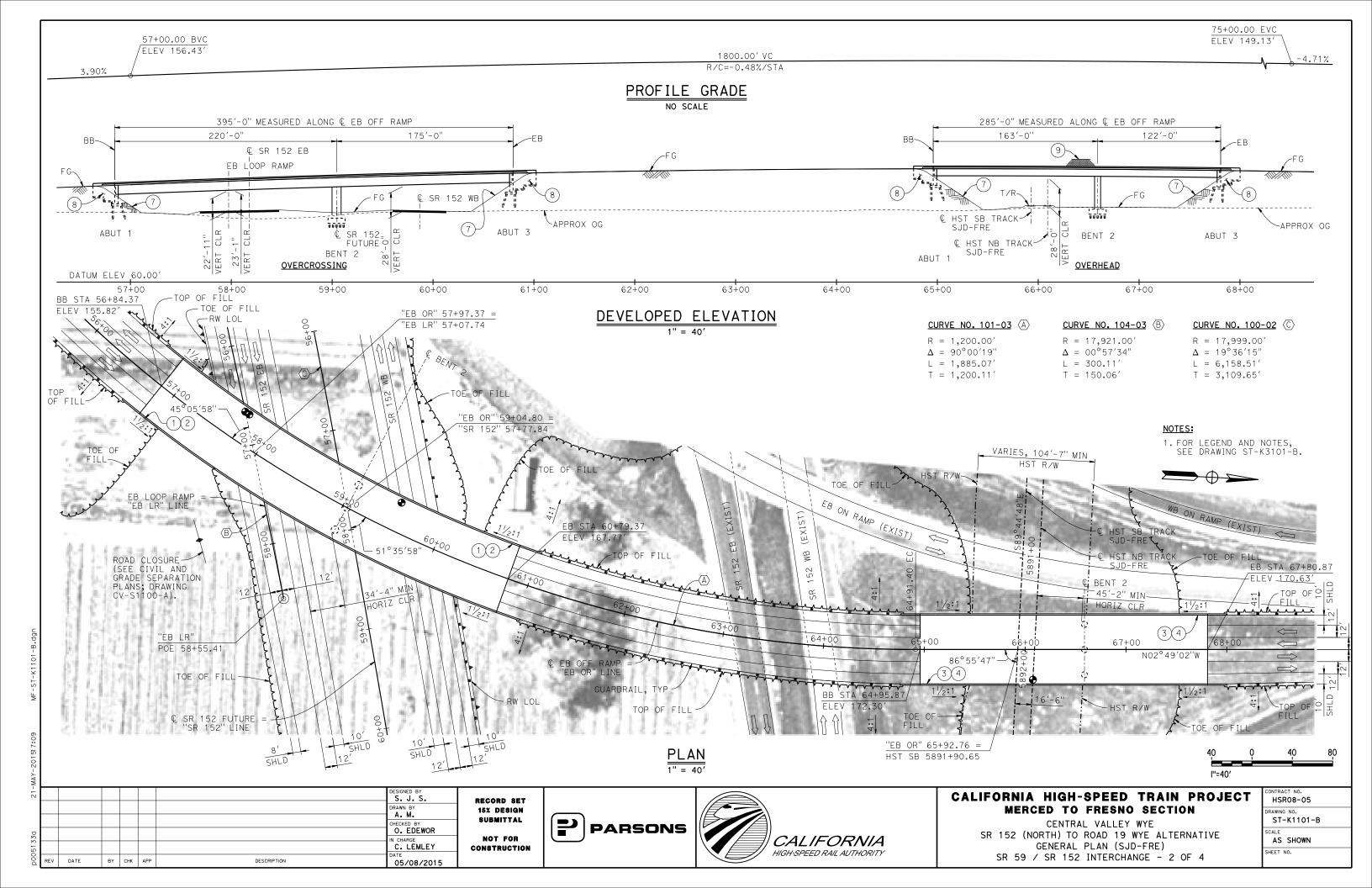
CENTRAL VALLEY WYE

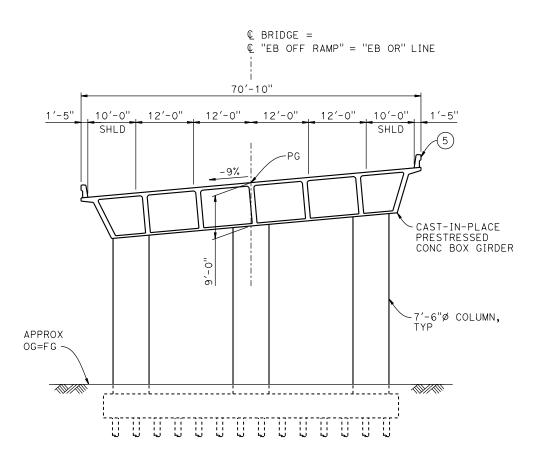
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TYPICAL SECTION (SJD-FRE)

AERIAL #1 - EASTSIDE BYPASS IRRIGATION DITCH - 2 OF 2

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K3080-B
SCALE
AS SHOWN



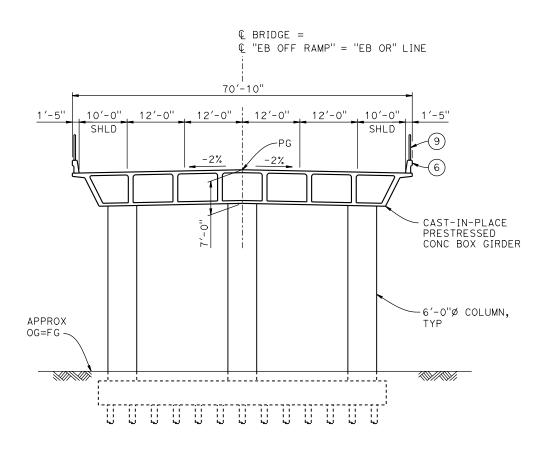




TYPICAL SECTION AT OVERCROSSING

LEGEND:

- ♠ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- (1) PAINT "EB OFF RAMP OVERCROSSING"
- (2) PAINT "BRIDGE NO. XX-XXXX"
- (3) PAINT "EB OFF RAMP OVERHEAD"
- (4) PAINT "BRIDGE NO. XX-XXXX"
- (5) CONCRETE BARRIER TYPE 742
- (6) CONCRETE BARRIER TYPE 736 MOD
- (7) SLOPE PAVING $(1\frac{1}{2}H:1V)$
- (8) WINGWALL
- 9) AR FENCE WITH SOLID PLATE



TYPICAL SECTION AT OVERHEAD

NOTES:

- 1. ASSUME CLASS 140 PILES AT ABUTMENT AND BENT FOUNDATIONS. PILE LENGTHS TO BE DETERMINED.
- 2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1100-B.
- 3. FOR RETAINING WALLS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1100-B.
- 4. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1100-B.

10	Q	IO	20
l''=10'			

| DESIGNED BY | S. J. S. | DEARWN BY | A. M. | CHECKED BY | O. EDEWOR | IN CHARGE | C. LEMLEY | DATE | BY CHK APP | DESCRIPTION | DATE | DATE | O5/08/2015

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION



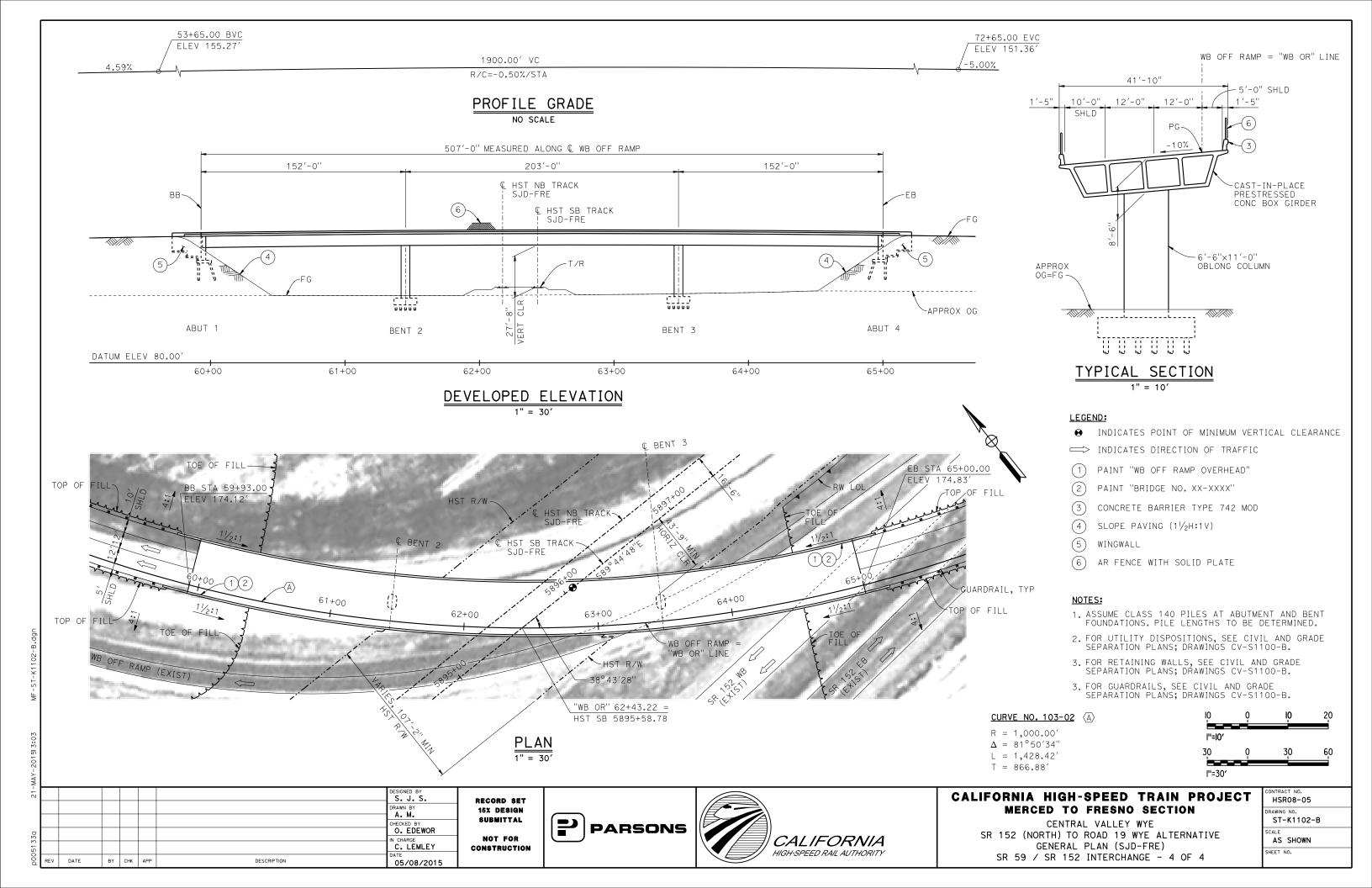


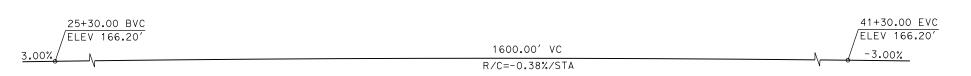
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE

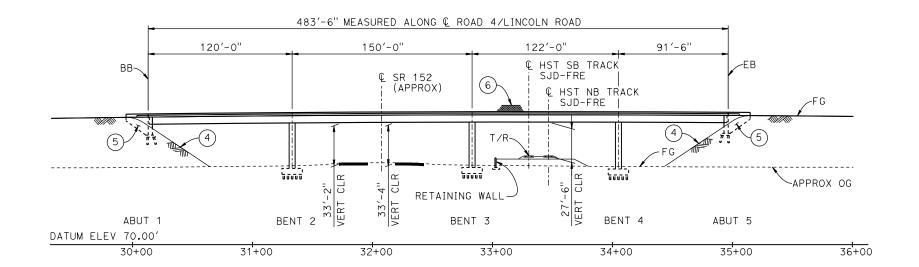
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TYPICAL SECTIONS (SJD-FRE)
SR 59 / SR 152 INTERCHANGE - 3 OF 4

HSR08-05
DRAWING NO. ST-K3101-B
SCALE AS SHOWN
SHEET NO.

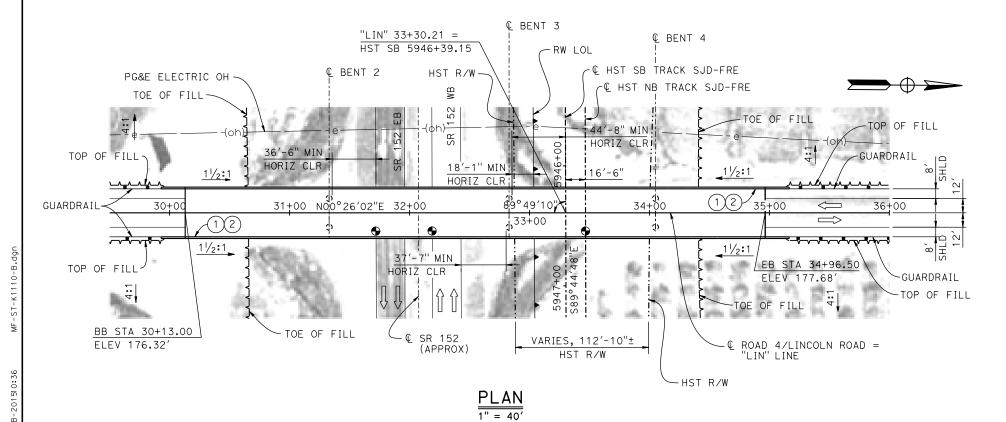




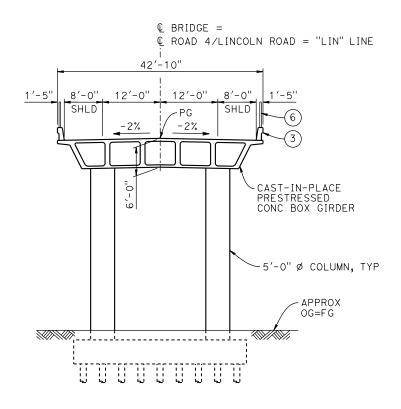
PROFILE GRADE NO SCALE



 $\frac{\text{ELEVATION}}{1" = 40'}$



02/13/2015



TYPICAL SECTION 1" = 10'

TEMPORARY TRAFFIC OPENINGS

VEHICULAR TRAFFIC

FTG EXC.

- 1. __TRAFFIC WILL BE DETOURED AWAY FROM THE SITE.
- 2. \underline{X} TRAFFIC WILL PASS UNDER THE STRUCTURE ON:

ST OR ROAD AND LOCA	FALSEW OPENING (HORIZ X	REQD	
SR 152	31+83	40′X16.5′	E BND
SR 152	32+30	40′X16.5′	W BND
3TEMP_TRAFF	IC LANE R	EDUCTION F	OR

LEGEND:

- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- PAINT "LINCOLN ROAD OVERHEAD"
- 2) PAINT "BRIDGE NO. XX-XXXX"
- (3) CONCRETE BARRIER TYPE 736 MOD
- $\boxed{4}$ SLOPE PAVING $(1\frac{1}{2}H:1V)$
- (5) WINGWALL
- (6) AR FENCE WITH SOLID PLATE

NOTES:

- 1. ASSUME CLASS 140 PILES AT ABUTMENT AND BENT FOUNDATIONS. PILE LENGTHS TO BE DETERMINED.
- 2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1110-B.
- 3. FOR RETAINING WALL, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1110-B.
- 4. FOR GUARDRAIL, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1110-B.



			S. J. S.	R
			DRAWN BY J. KIDWELL	1
			CHECKED BY	
			O. EDEWOR	
			C. LEMLEY	СО

DESCRIPTION

REV DATE

BY CHK APP

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

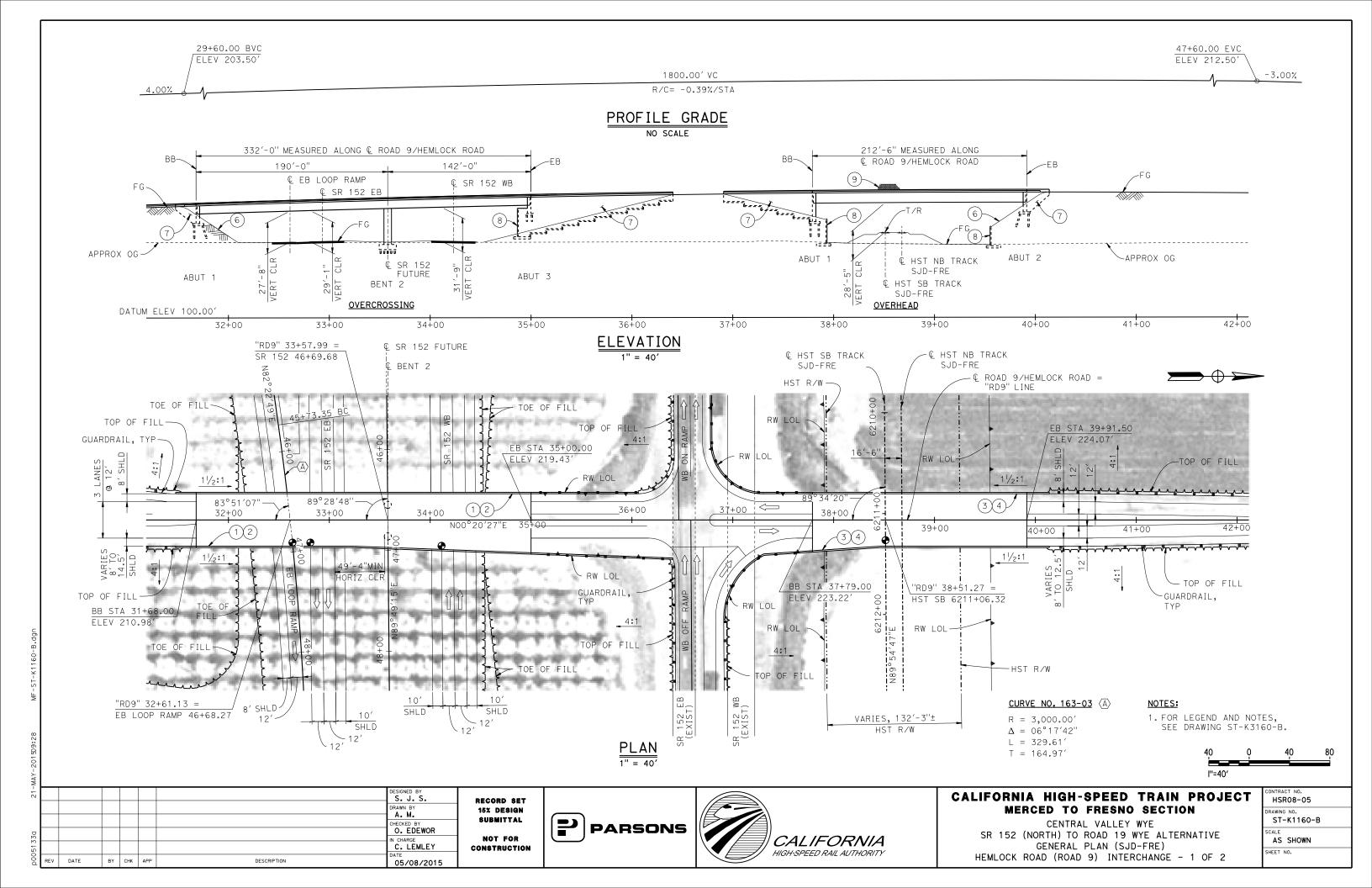




CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
GENERAL PLAN (SJD-FRE)
LINCOLN ROAD (ROAD 4) OVERHEAD

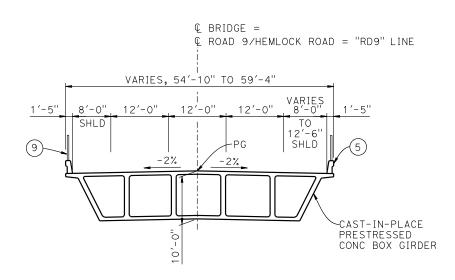
CONTRACT NO. HSR08-05
DRAWING NO. ST-K1110-B
SCALE AS SHOWN
SHEET NO.



TYPICAL SECTION AT OVERCROSSING

LEGEND:

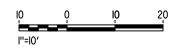
- ♠ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- (1) PAINT "HEMLOCK ROAD OVERCROSSING"
- (2) PAINT "BRIDGE NO. XX-XXXX"
- 3) PAINT "HEMLOCK ROAD OVERHEAD"
- (4) PAINT "BRIDGE NO. XX-XXXX"
- 5) CONCRETE BARRIER TYPE 736 MOD
- 6 SLOPE PAVING (11/2H:1V)
- (7) WINGWALL
- (8) RETAINING WALL
- 9) AR FENCE WITH SOLID PLATE



TYPICAL SECTION AT OVERHEAD

NOTES:

- 1. ASSUME CLASS 140 PILES AT ABUTMENT AND BENT FOUNDATIONS. PILE LENGTHS TO BE DETERMINED.
- 2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1160-B.
- 3. FOR RETAINING WALLS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1160-B.
- 4. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1160-B.



| DESIGNED BY | S. J. S. | DRAWN BY | J. KIDWELL | CHECKED BY | O. EDEWOR | IN CHARGE | C. LEMLEY | DATE | BY CHK | APP | DESCRIPTION | DATE | DATE | DATE | DATE | DATE | O.5/08/2015 | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE | DATE |

RECORD SET 15% DESIGN SUBMITTAL NOT FOR

CONSTRUCTION

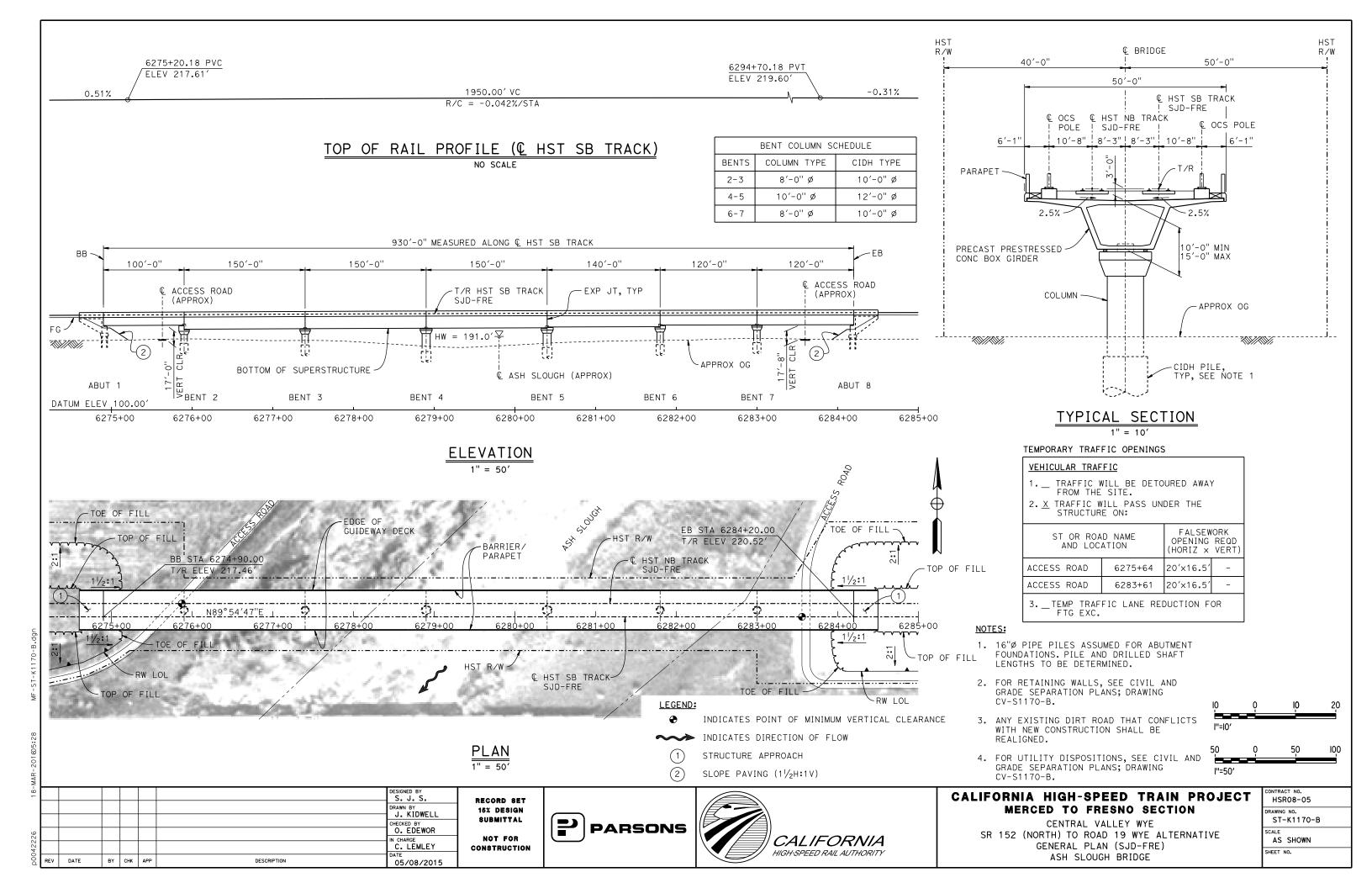


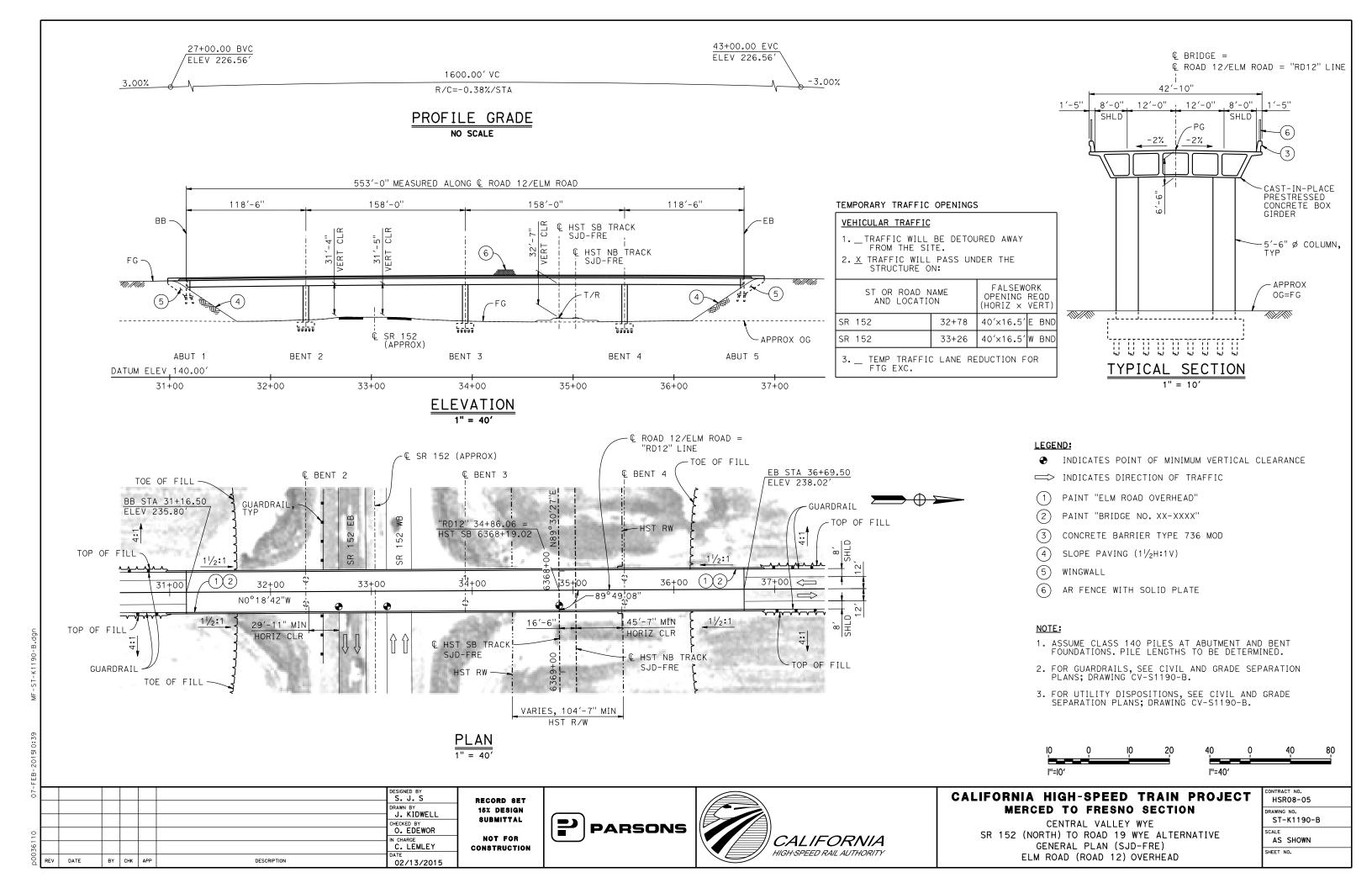


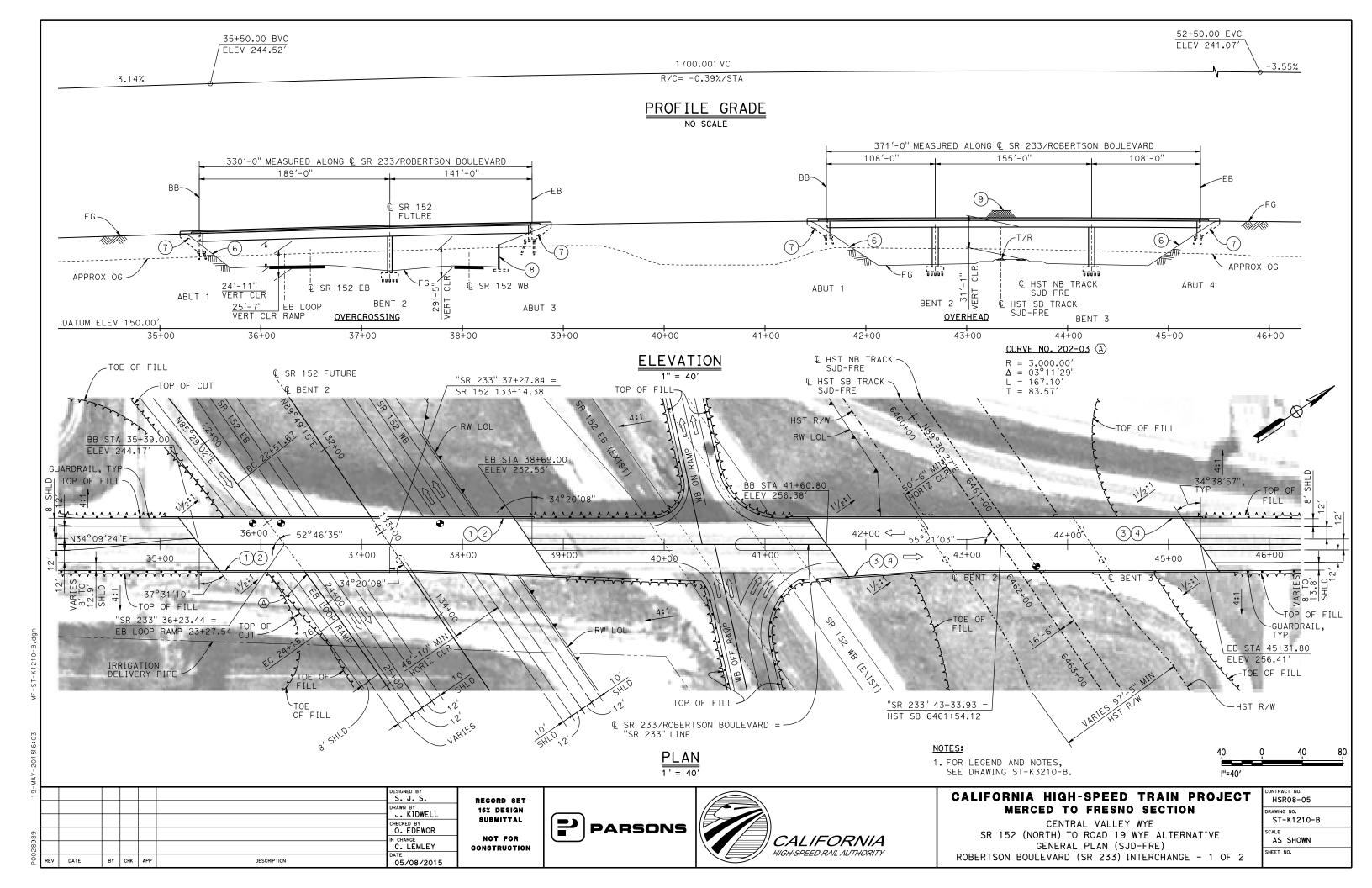
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

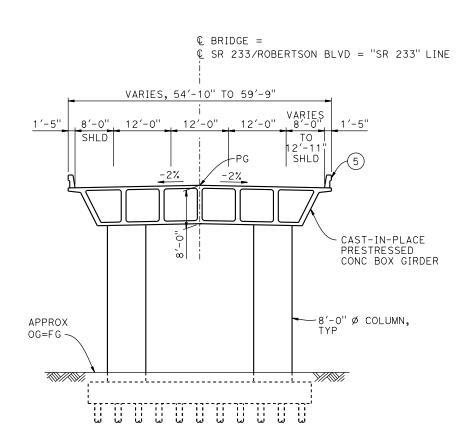
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TYPICAL SECTIONS (SJD-FRE)
HEMLOCK ROAD (ROAD 9) INTERCHANGE - 2 OF 2

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K3160-B
SCALE
AS SHOWN
SHEET NO.









TYPICAL SECTION AT OVERCROSSING

05/08/2015

TYPICAL SECTION AT OVERHEAD

€ BRIDGE =

12'-0"

VARIES, 54'-10" TO 60'-8"

12'-0"

-2%

SHLD

APPROX

OG=FG -

© SR 233/ROBERTSON BLVD = "SR 233" LINE

ТО

SHLD

LEGEND:

- ◆ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- PAINT "ROBERTSON BLVD OVERCROSSING"
- 2 PAINT "BRIDGE NO. XX-XXXX"
- (3) PAINT "ROBERTSON BLVD OVERHEAD"
- 4 PAINT "BRIDGE NO. XX-XXXX"
- CONCRETE BARRIER TYPE 736 MOD
- 6 SLOPE PAVING $(1\frac{1}{2}H:1V)$
- WINGWALL
- (8) RETAINING WALL
- AR FENCE WITH SOLID PLATE

- 1. ASSUME CLASS 140 PILES AT ABUTMENT AND BENT FOUNDATIONS. PILE LENGTHS TO BE DETERMINED.
- 2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-S1210-B.

CAST-IN-PLACE

CONC BOX GIRDER

PRESTRESSED

-6'-0" Ø COLUMN,

- 3. FOR RETAINING WALLS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-S1210-B.
- 4. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-S1210-B.



DESIGNED BY S. J. S. DRAWN BY J. KIDWELL O. EDEWOR IN CHARGE C. LEMLEY

DESCRIPTION

RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION



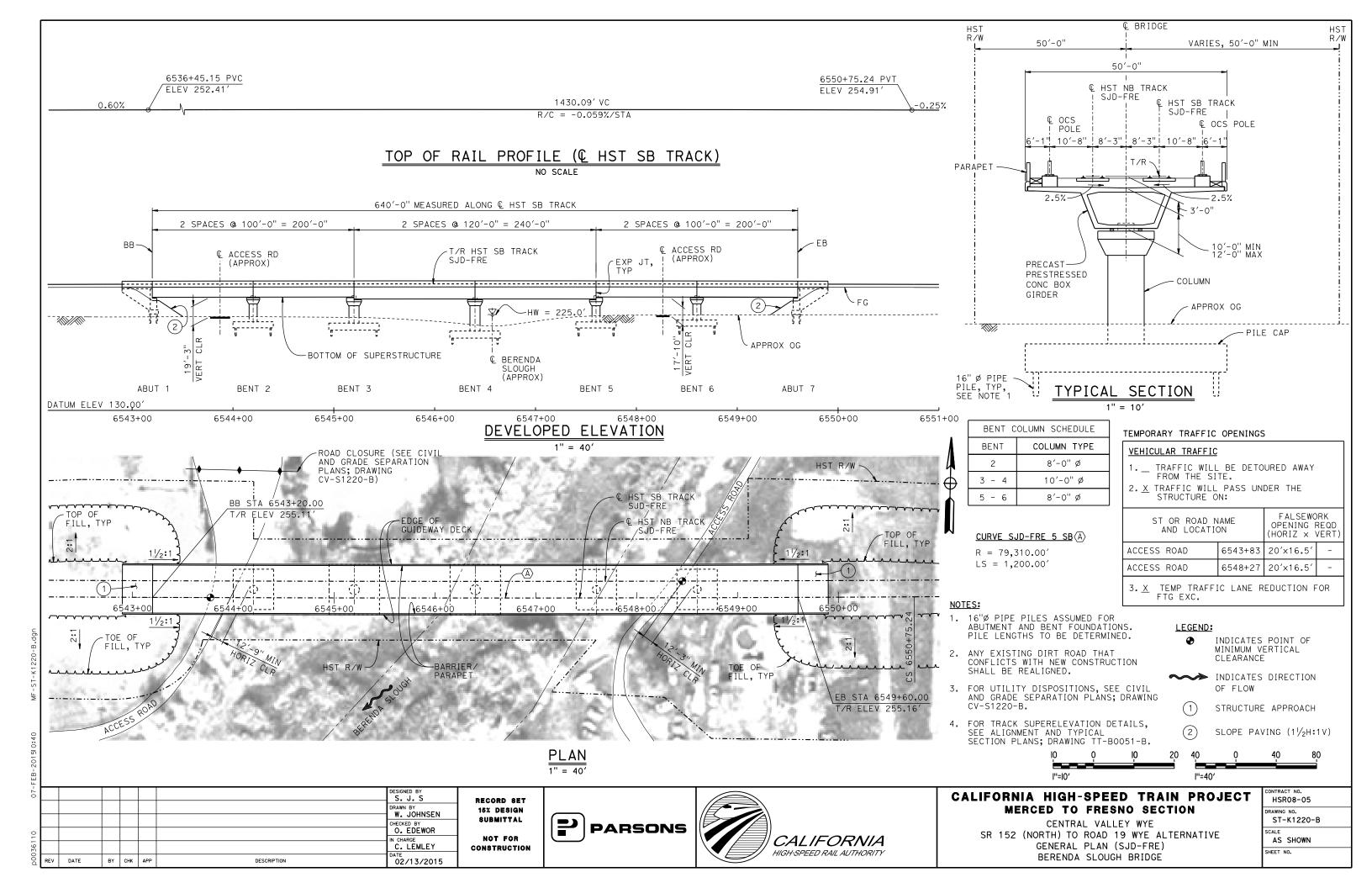


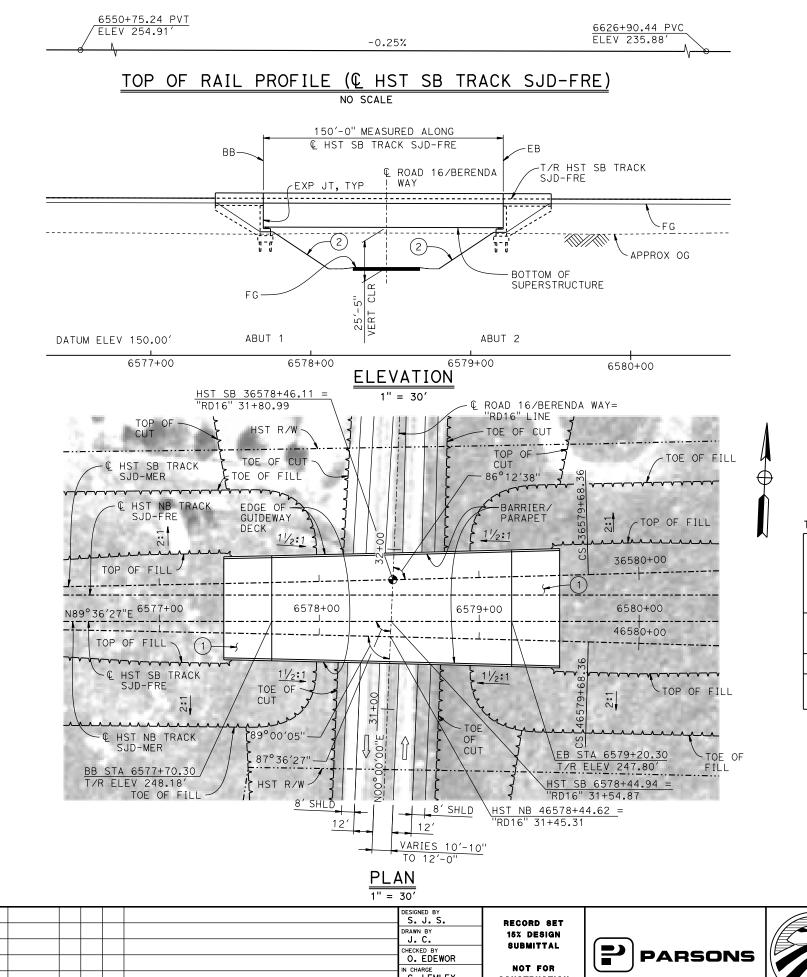
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

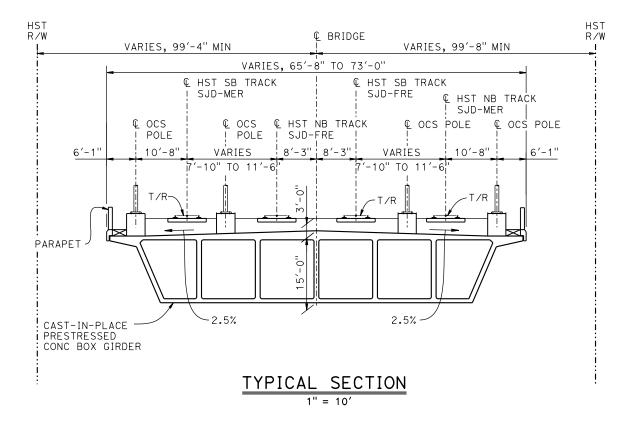
CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE TYPICAL SECTIONS (SJD-FRE) ROBERTSON BOULEVARD (SR 233) INTERCHANGE - 2 OF 2 HSR08-05 ST-K3210-B AS SHOWN

DATE

BY CHK APP







TEMPORARY TRAFFIC OPENINGS

VEHICULAR TRAFFIC

- 1. _ TRAFFIC WILL BE DETOURED AWAY FROM THE SITE.
- 2. X TRAFFIC WILL PASS UNDER THE STRUCTURE ON:

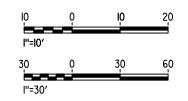
	ST OR ROAD N AND LOCATIO	FALSEWORK OPENING REQD (HORIZ X VERT)		
ROAD	16/BERENDA WAY	6578+45	52′×16 . 5′	2-WAY

TEMP TRAFFIC LANE REDUCTION FOR FTG EXC.

- 1. 16" Ø PIPE PILES ASSUMED FOR ABUTMENT FOUNDATIONS. PILE LENGTHS TO BE DETERMINED.
- 2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1230-B.

LEGEND:

- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- INDICATES DIRECTION OF TRAFFIC
- STRUCTURE APPROACH
- SLOPE PAVING $(1\frac{1}{2}H:1V)$



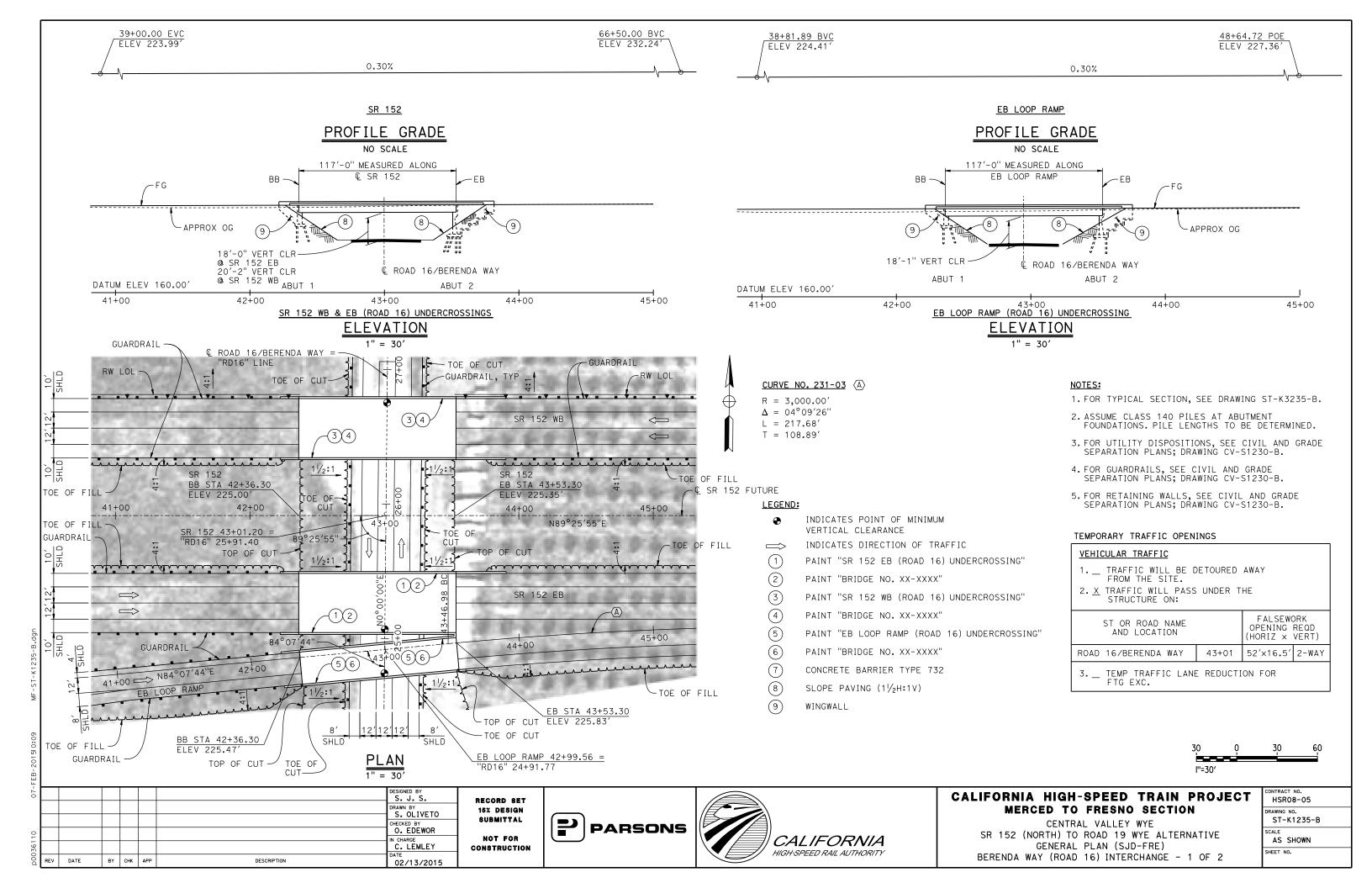
						DESIGNED BY S. J. S. DRAWN BY	RECORD SET 15% DESIGN
						J. C. CHECKED BY O. EDEWOR	SUBMITTAL Not for
REV	DATE	BY	снк	APP	DESCRIPTION	IN CHARGE C. LEMLEY DATE 05/08/2015	CONSTRUCTION

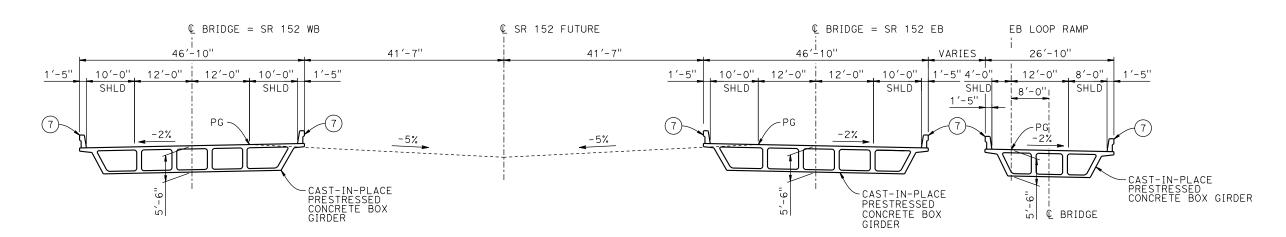


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

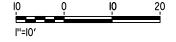
CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE GENERAL PLAN (SJD-FRE) BERENDA WAY (ROAD 16) UNDERPASS

CONTRACT NO. HSR08-05
DRAWING NO.
ST-K1230-B
SCALE
AS SHOWN
SHEET NO.





TYPICAL SECTION



ĮĮ.								
- 20							DESIGNED BY	
							DRAWN BY S. OLIVETO	RE 18
0							CHECKED BY O. EDEWOR	8
Ξ							IN CHARGE C. LEMLEY	COI
p0036	REV	DATE	BY	снк	APP	DESCRIPTION	DATE 02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

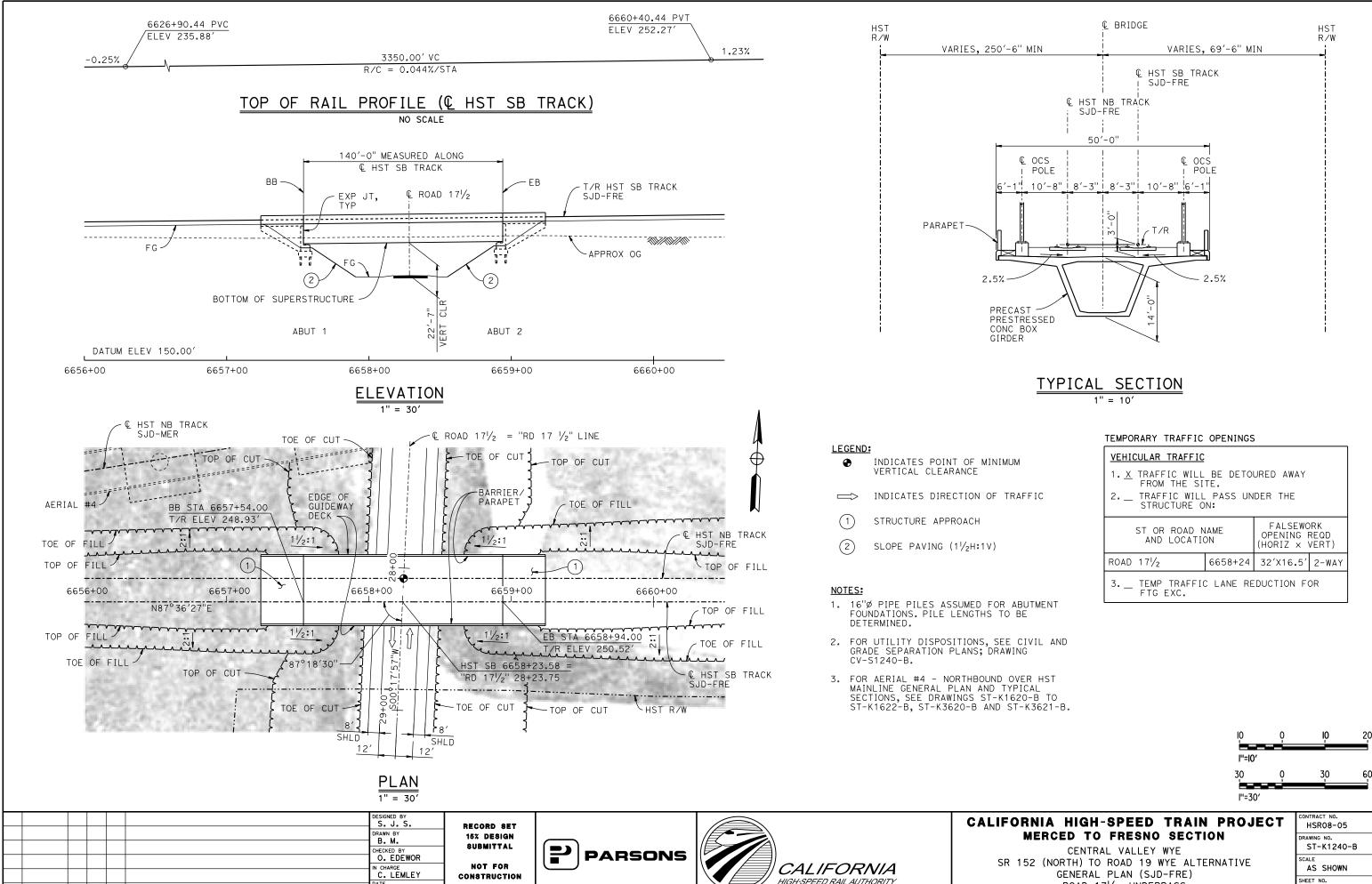




CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TYPICAL SECTION (SJD-FRE)
BERENDA WAY (ROAD 16) INTERCHANGE - 2 OF 2

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K3235-B
SCALE
AS SHOWN
SHEET NO.



DATE

BY CHK APP

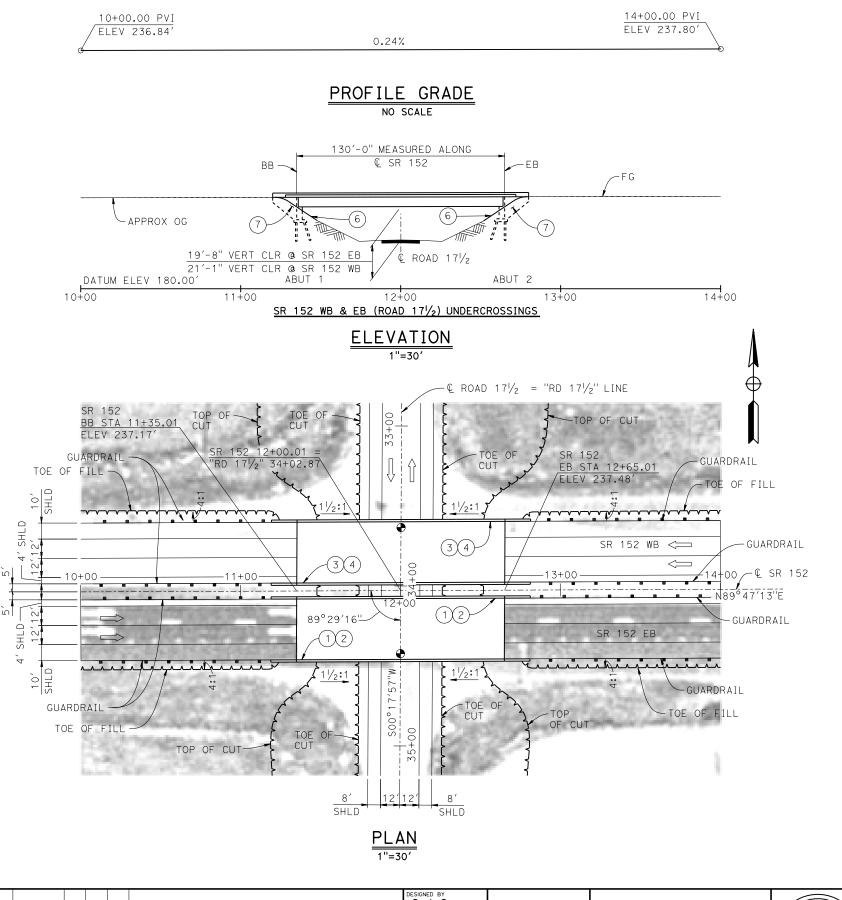
DESCRIPTION

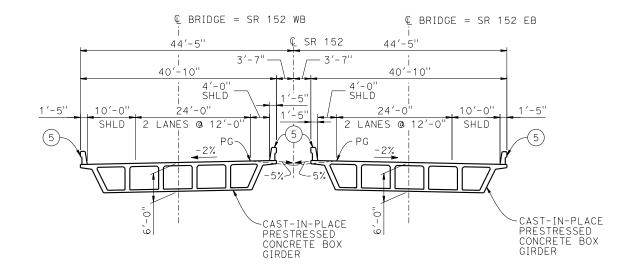
05/08/2015



ROAD 171/2 UNDERPASS

	CONTRACT NO.
ı	HSR08-05
ı	DRAWING NO.
ı	ST-K1240-B
ı	SCALE
ı	AS SHOWN
ı	SHEET NO.
ı	





TYPICAL SECTION

1"=10

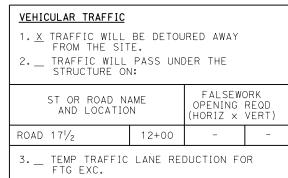
LEGEND:

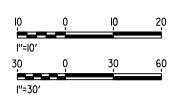
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- 1) PAINT "SR 152 EB (ROAD $17\frac{1}{2}$) UNDERCROSSING"
- 2) PAINT "BRIDGE NO. XX-XXXX"
- $\widehat{ ext{(3)}}$ PAINT "SR 152 WB (ROAD 17 $\frac{1}{2}$) UNDERCROSSING"
- 4) PAINT "BRIDGE NO. XX-XXXX"
- 5) CONCRETE BARRIER TYPE 732
- (6) SLOPE PAVING (11/2H:1V)
- 7) WINGWALL

NOTES:

- ASSUME CLASS 140 PILES AT ABUTMENT FOUNDATIONS. PILE LENGTHS TO BE DETERMINED.
- 2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1240-B.
- 3. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1240-B.

TEMPORARY TRAFFIC OPENINGS





DESIGNED BY
S. J. S.

DRAWN BY
W. JOHNSEN
CHECKED BY
O. EDEWOR
IN CHARGE
C. LEMLEY
DATE
BY CHK APP
DESCRIPTION
DATE
02/13/2015

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE

SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
GENERAL PLAN (SJD-FRE)
SR 152 (ROAD 171/2) UNDERCROSSING

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K1245-B
SCALE
AS SHOWN
SHEET NO.

6692+54.93 PVT ELEV 282.99'

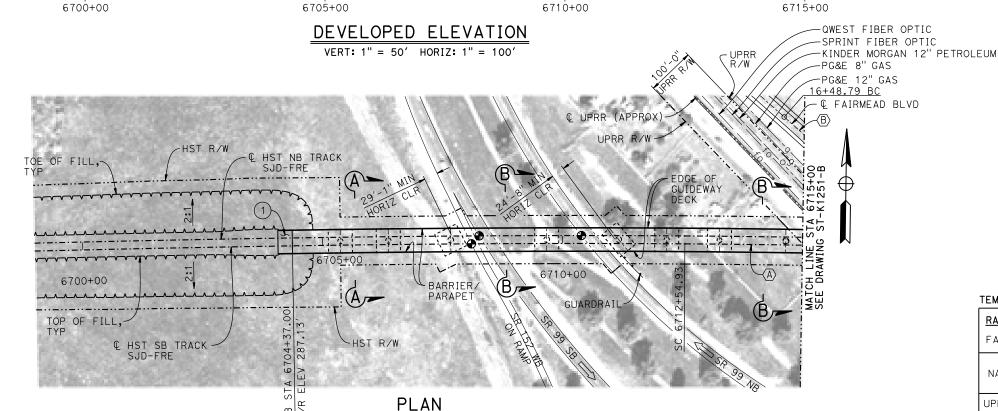
0.35%

6712+54.93 PVC ELEV 289.99'

2500.00' VC
R/C=-0.044%/STA

TOP OF RAIL PROFILE (& HST SB TRACK)

2,161'-0" TOTAL LENGTH MEASURED ALONG € HST SB BALANCED CANTILEVER CONSTRUCTION BALANCED CANTILEVER CONSTRUCTION 2 SPACES @ 100'-0" 130'-0" 200'-0" 150'-0" 100'-0", 110'-0" 138'-0" 200'-0" = 200'-0" € SR 152 WB 6715+00 -K1251-B ON RAMP SR 99 NB (APPROX) (APPROX) T/R HST SB TRACK ¢ SR 99 SB EXP JT, TYP SJD-FRE (APPROX) FG. ------7-38 APPROX OG -BOTTOM OF SUPERSTRUCTURE BENT 4 BENT 2 BENT 6 BENT 8 ABUT 1 BENT 3 BENT 5 BENT 7 BENT DATUM ELEV 150.00'



LEGEND:

- → INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- ⇒ INDICATES DIRECTION OF TRAVEL
- (1) STRUCTURE APPROACH
- (2) SLOPE PAVING $(1\frac{1}{2}H:1V)$

CURVE SJD-FRE 6 SB (A)

CURVE NO. 250-02 (B)

R = 28,600.00'LS = 2,000.00' R = 3,000.00' $\Delta = 9^{\circ}21'10''$

L = 489.71'

T = 245.40'

TEMPORARY TRAFFIC OPENINGS

VEHICULAR TRAFFIC

- 1. _ TRAFFIC WILL BE DETOURED AWAY
 - FROM THE SITE.
- 2. X TRAFFIC WILL PASS UNDER THE STRUCTURE ON:

ST OR ROAD NAME AND LOCATION		FALSEWORK OPENING REQD (HORIZ X VERT)		
SR 152 WB ON RAMP	6708+18	25′X16.5′	S BND	
SR 99	6708+51	37′X16.5′	S BND	
SR 99	6710+68	37′X16.5′	N BND	
FAIRMEAD BLVD	6717+33	32′X16.5′	2-WAY	
ARC DR	6719+51	32′X16.5′	2-WAY	
ROAD 183/4	6724+43	32′X16.5′	2-WAY	
· · · · · · · · · · · · · · · · · · ·				

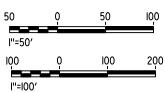
3. \underline{X} TEMP TRAFFIC LANE REDUCTION FOR FTG EXC.

NOTES:

- 16" Ø PIPE PILES ASSUMED FOR ABUTMENT AND BENT FOUNDATIONS, UNLESS OTHERWISE NOTED. PILE LENGTHS TO BE DETERMINED.
- 2. FOR SECTIONS AND BENT COLUMN SCHEDULE, SEE DRAWING ST-K3250-B.
- 3. ANY EXISTING DIRT ROAD THAT CONFLICTS WITH NEW CONSTRUCTION SHALL BE REALIGNED.
- 4. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1250-B.
- 5. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1250-B.

TEMPORARY TRAFFIC OPENINGS

RAILROAD TRAFFIC					
FALSEWORK OPENING REQUIRED ON:					
NAME OF RR AND LOCATION OPENING REQD (HORIZ X VERT)					
UPRR 6715+73 24' X 21'					



DESIGNED BY
S. J. S.

DRAWN BY
R. M.
CHECKED BY
O. EDEWOR
IN CHARGE
C. LEMLEY

DESCRIPTION

DATE

BY CHK APP

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

1" = 100'

05/08/2015

PARSONS



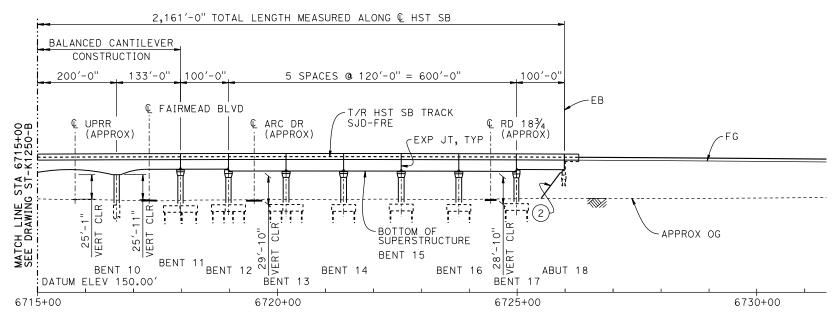
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
GENERAL PLAN (SJD-FRE)
AERIAL #2 - SR 99 / UPRR - 1 OF 3

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K1250-B
SCALE
AS SHOWN
SHEET NO.

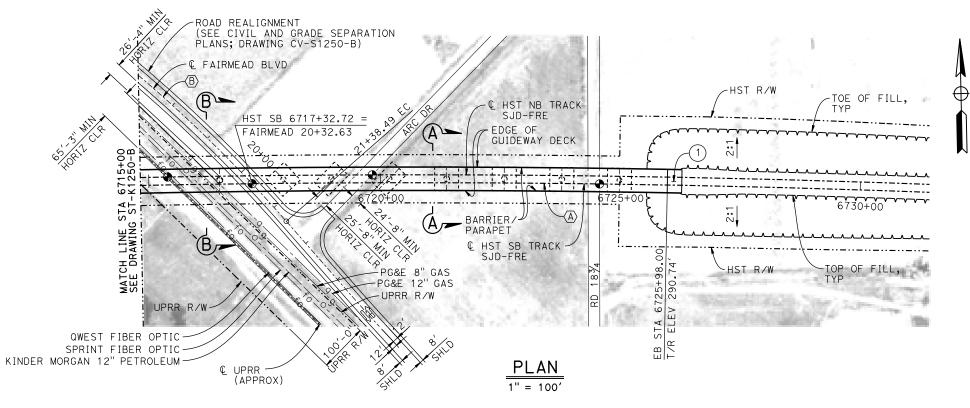
TOP OF RAIL PROFILE (& HST SB TRACK)

NO SCALE



DEVELOPED ELEVATION

VERT: 1" = 50' HORIZ: 1" = 100'



50	Q	50	10,0
l''=50′			
100	Q	100	200
l''=l00′			

4								
07							DESIGNED BY	Ι.
							DRAWN BY	1 '
							CHECKED BY	ł
0							O. EDEWOR	l
361							C. LEMLEY	c
D00	REV	DATE	BY	снк	APP	DESCRIPTION	02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

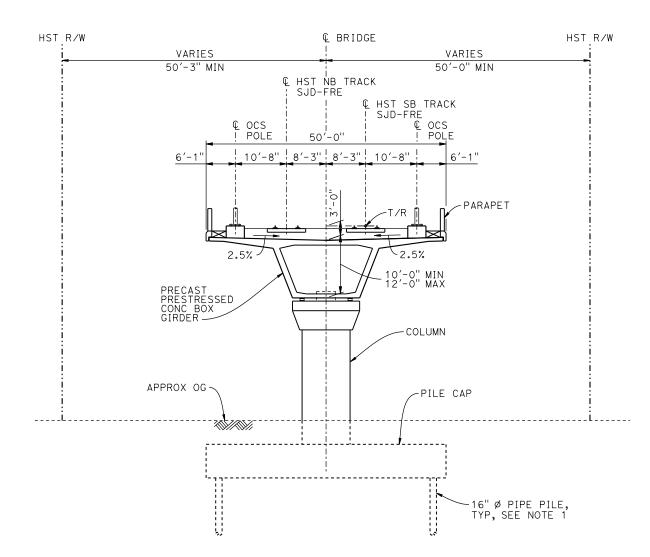


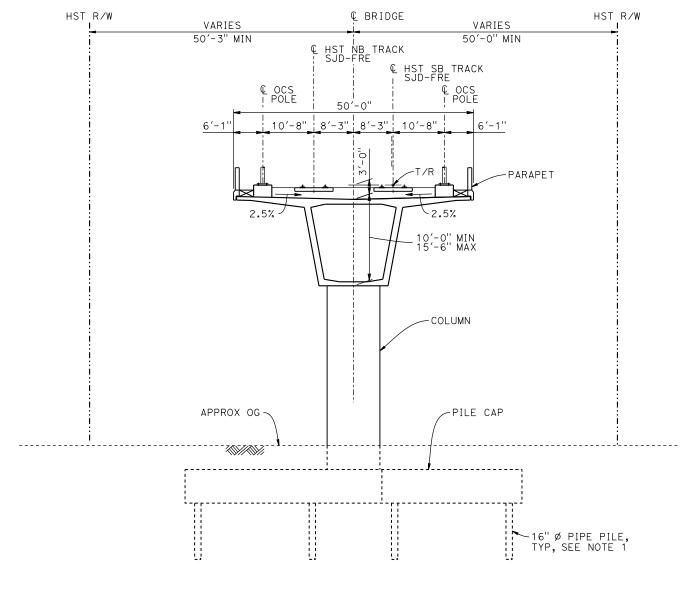


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
GENERAL PLAN (SJD-FRE)
AERIAL #2 - SR 99 / UPRR - 2 OF 3

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K1251-B
SCALE
AS SHOWN
SHEET NO.





SECTION A-A

В	BENT COLUMN SCHEDULE					
BENT	COLUMN TYPE	CIDH TYPE				
2 - 3	11'-0"Ø					
4 - 5	12′-0''ø					
6	12'-0"Ø					
7	11'-0''Ø					
8	10'-0"Ø					
9 - 10	11'-0''Ø	13′-0''ø				
11 - 12	11'-0"Ø					
13 - 16	12'-0''ø					
17	10'-0"Ø					

$\frac{SECTION B-B}{1"=10'}$

NOTES:

- PILE AND DRILLED SHAFT LENGTHS TO BE DETERMINED.
- 2. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWING TT-B0051-B.



Μ								
16-							DESIGNED BY	R
							DRAWN BY R. M.	1
⊲							CHECKED BY O. EDEWOR	'
5133A							IN CHARGE C. LEMLEY	l co
p0051	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 05/08/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

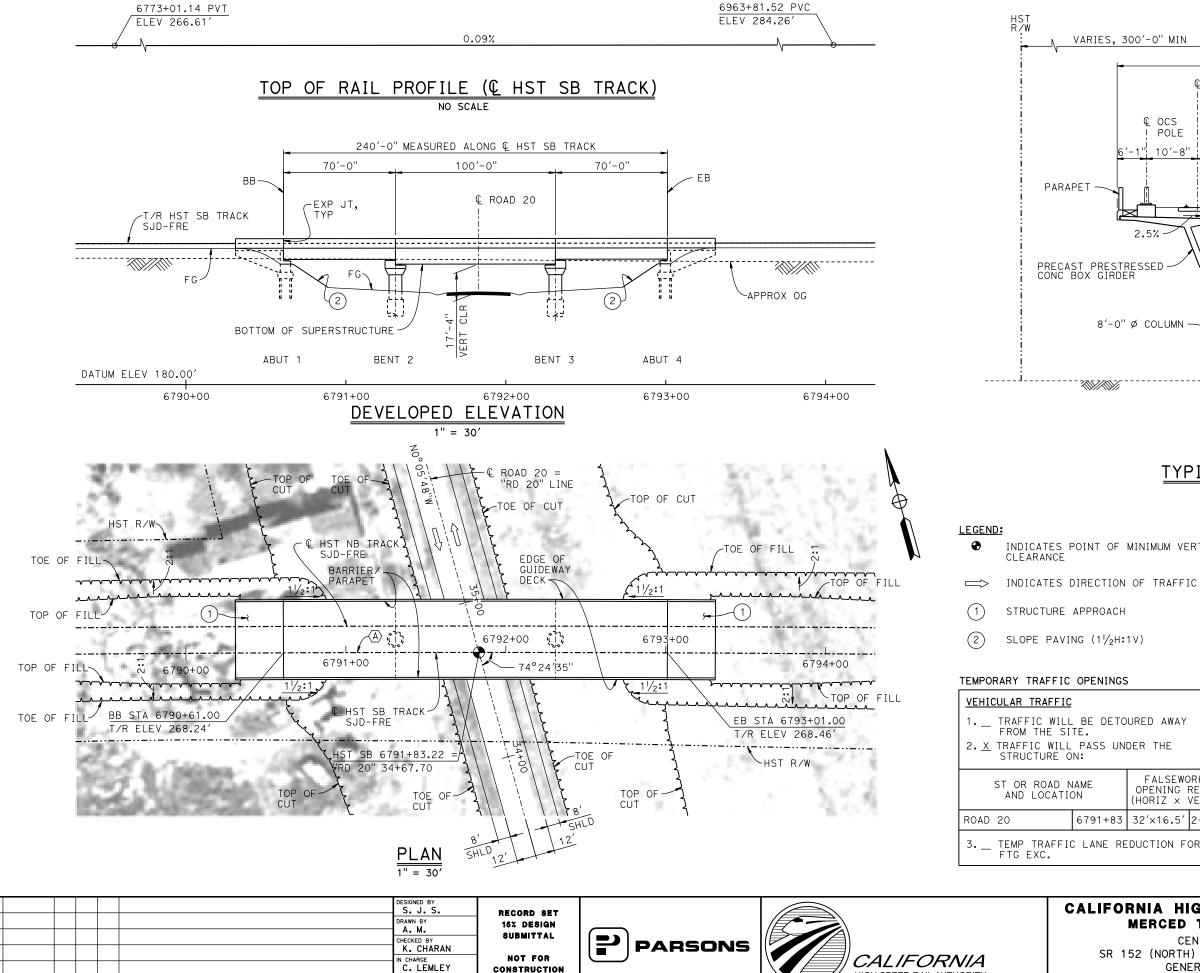




CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TYPICAL SECTIONS (SJD-FRE)
AERIAL #2 - SR 99 / UPRR - 3 OF 3

CONTRACT NO. HSRO8-05
DRAWING NO. ST-K3250-B
SCALE
AS SHOWN
SHEET NO.

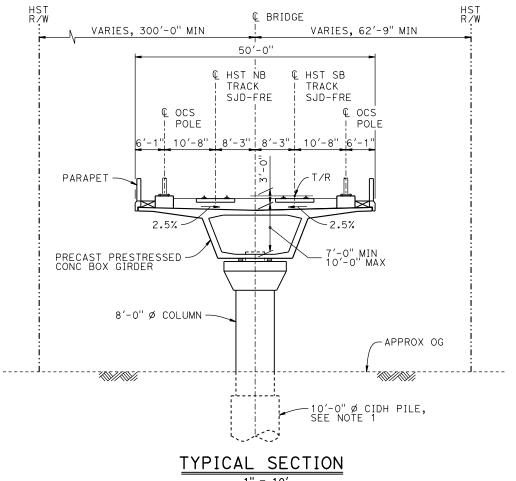


DATE

BY CHK APP

DESCRIPTION

05/08/2015



- INDICATES POINT OF MINIMUM VERTICAL

	ST OR ROAD N AND LOCATIO	··· ····—	FALSEWORK OPENING REQD (HORIZ × VERT)			
ROAD	20	6791+83	32′×16.5′	2-WAY		
7	TEND TOVEET	C LANE DE	DUCTION F			

HIGH-SPEED RAIL AUTHORITY

CURVE SJD-FRE 6 SB (A)

CV-S1260-B.

DRAWING TT-B0051-B.

1. 16"Ø PIPE PILES ASSUMED FOR ABUTMENT FOUNDATIONS. PILE AND DRILLED SHAFT

2. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING

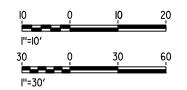
3. FOR TRACK SUPERELEVATION DETAILS, SEE

ALIGNMENT AND TYPICAL SECTION PLÁNS;

LENGTHS TO BE DETERMINED.

R = 28,600.00'LS = 2,000.00'

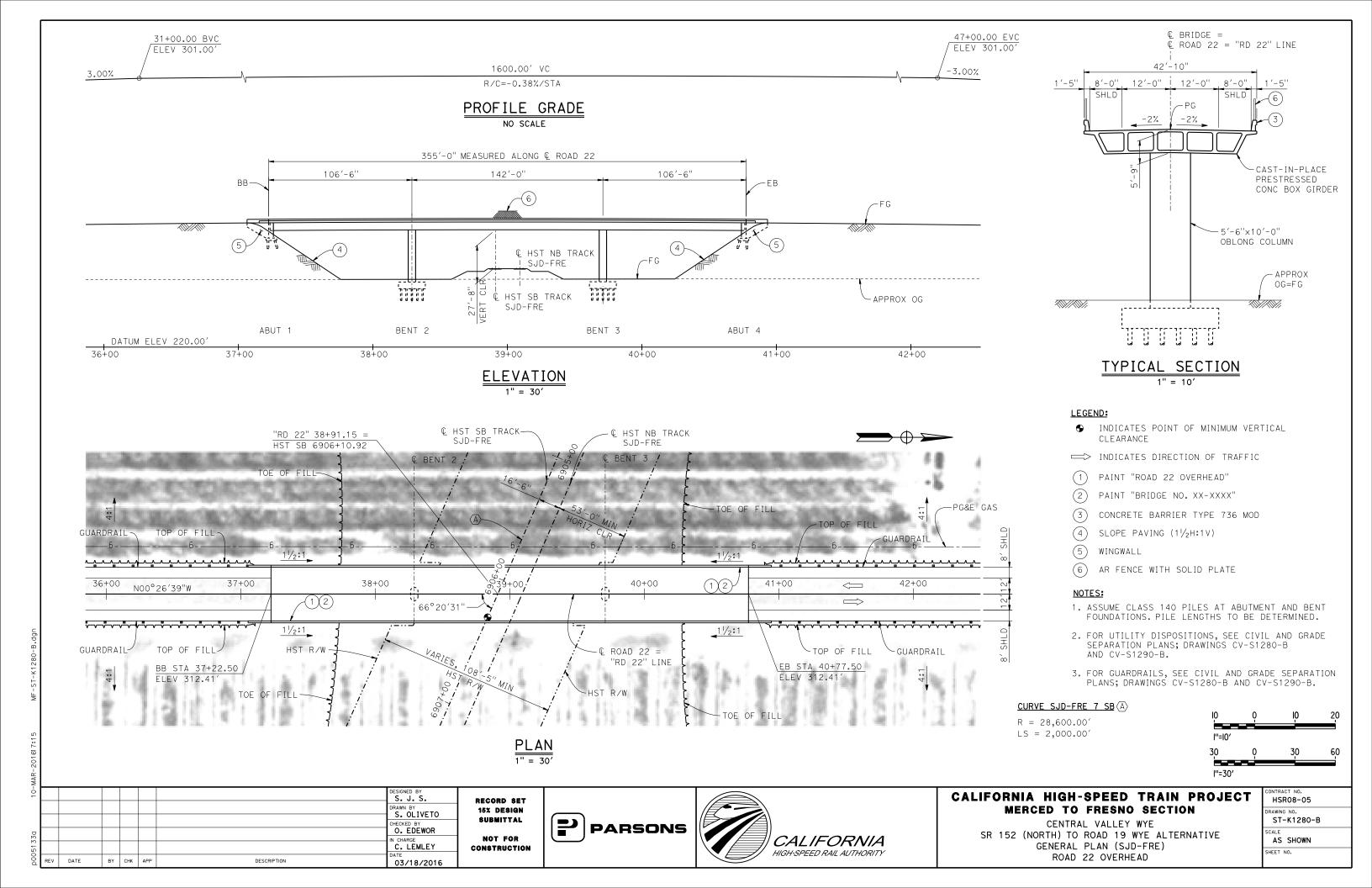
NOTES:

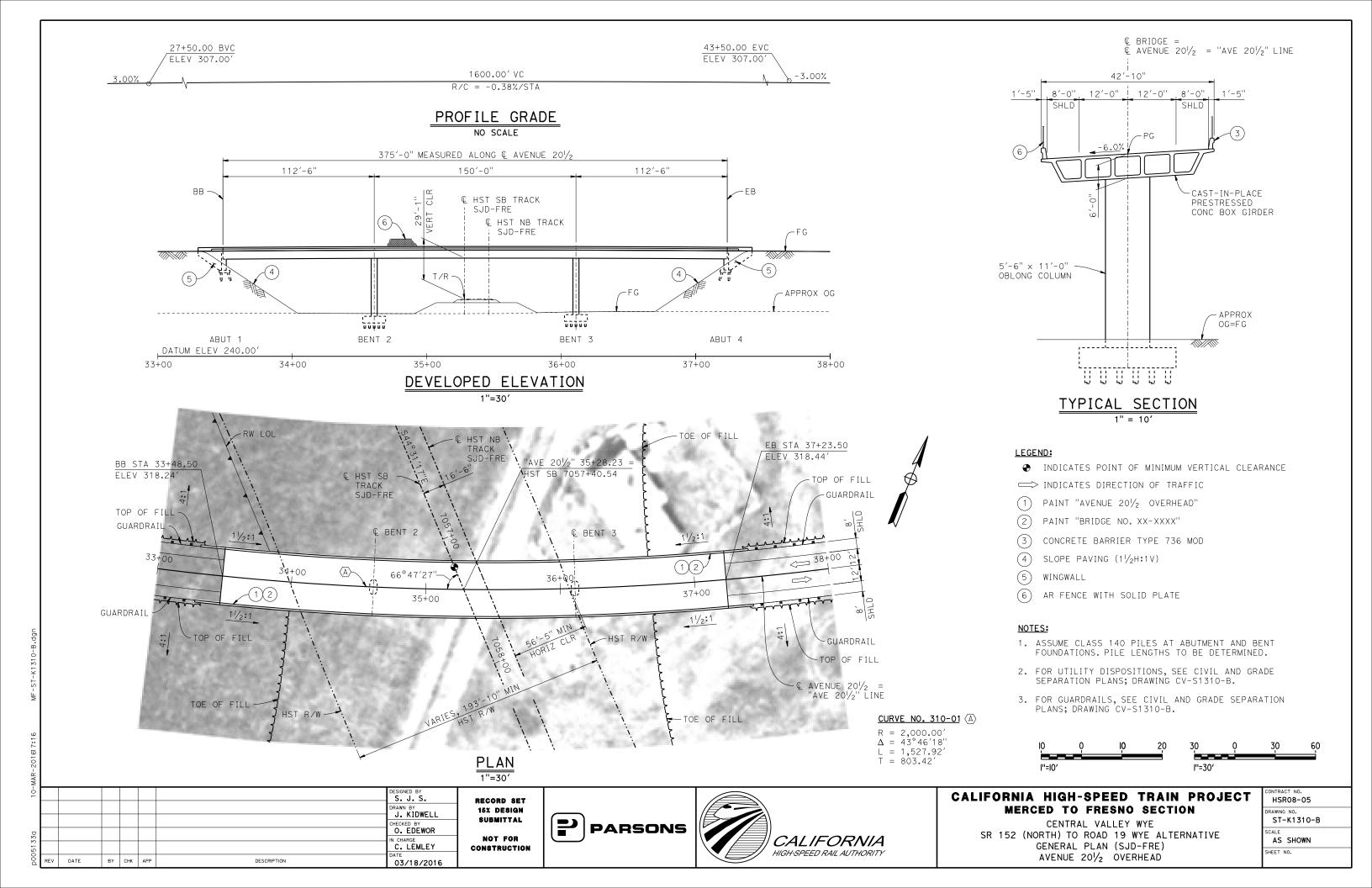


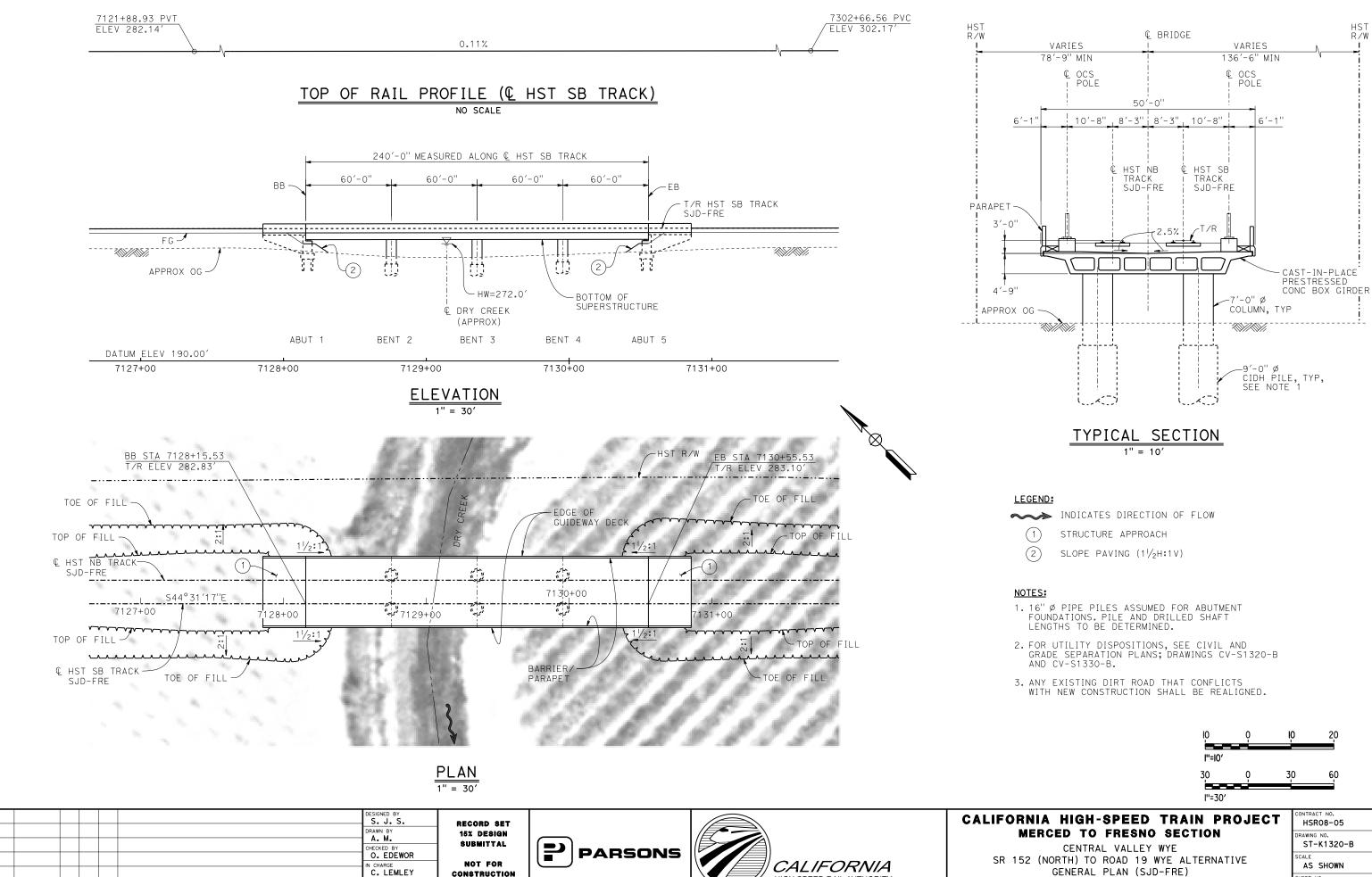
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE GENERAL PLAN (SJD-FRE) ROAD 20 UNDERPASS

CONTRACT NO. HSR08-05
DRAWING NO. ST-K1260-B
SCALE AS SHOWN
SHEET NO.







DATE

BY CHK APP

DESCRIPTION

03/18/2016

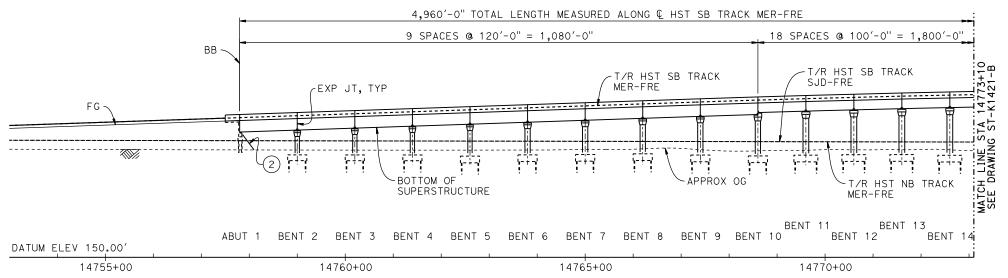


GENERAL PLAN (SJD-FRE) DRY CREEK BRIDGE

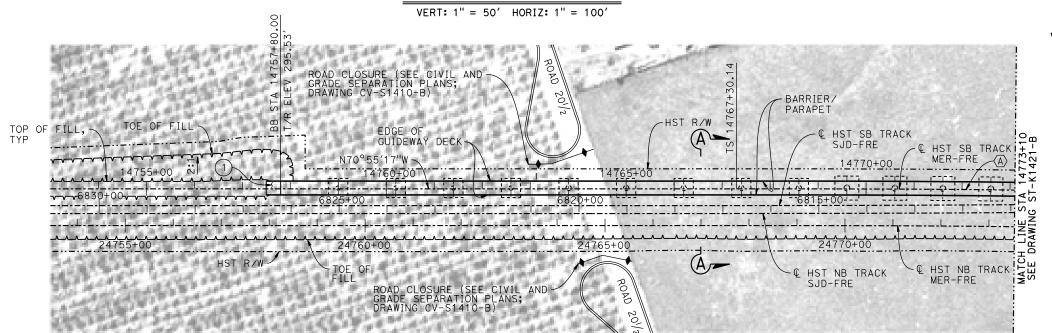
1	CONTRACT NO. HSR08-05
	H3K06-03
	DRAWING NO.
	ST-K1320-B
	SCALE
	AS SHOWN
	SHEET NO.

R/W

TOP OF RAIL PROFILE (© HST SB TRACK MER-FRE) NO SCALE



DEVELOPED ELEVATION



PLAN 1" = 100′

LEGEND:

- → INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- (1) STRUCTURE APPROACH
- (2) SLOPE PAVING $(1\frac{1}{2}H:1V)$

CURVE MER-FRE 1 SB (A)

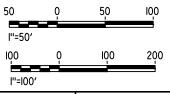
R = 10,300.00'LS = 1,200.00'

TEMPORARY TRAFFIC OPENINGS

<u>VEHICULAR TRAFFIC</u>										
1TRAFFIC WILL BE DETOURED AWAY FROM THE SITE.										
2. X TRAFFIC WILL PASS UNDER THE STRUCTURE ON:										
ST OR ROAD AND LOCAT	FALSE OPENINO (HORIZ)	REQD								
ROAD 20	14793+07	32′X16.5′	2-WAY							
3 TEMP TRAFFIC LANE REDUCTION FOR FTG EXC.										

NOTES:

- 1. 16" Ø PIPE PILES ASSUMED FOR ABUTMENT AND BENT FOUNDATIONS, UNLESS OTHERWISE NOTED. PILE LENGTHS TO BE DETERMINED.
- 2. FOR SECTIONS AND BENT COLUMN SCHEDULE, SEE DRAWINGS ST-K3420-B AND ST-K3421-B.
- 3. ANY EXISTING DIRT ROAD THAT CONFLICTS WITH NEW CONSTRUCTION SHALL BE REALIGNED.
- 4. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-S1410-B AND CV-S1420-B.
- 5. FOR ROAD 20 UNDERPASS GENERAL PLAN AND TYPICAL SECTION, SEE DRAWING ST-K1260-B.
- 6. FOR ROAD 20 UNDERPASS (HST NB) GENERAL PLAN AND TYPICAL SECTION, SEE DRAWING ST-K1425-B.



Μ								
-61							DESIGNED BY S. J. S.	
							DRAWN BY A. M.	
_							CHECKED BY K. CHARAN	l
P0028989							IN CHARGE C. LEMLEY	_c
P002	REV	DATE	BY	снк	APP	DESCRIPTION	DATE 05/08/2015	ľ

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE

SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE

GENERAL PLAN (MER-FRE)

AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 1 OF 5

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K1420-B
SCALE
AS SHOWN
SHEET NO.

TOP OF RAIL PROFILE (HST SB TRACK MER-FRE) NO SCALE

K. CHARAN

IN CHARGE
C. LEMLEY

05/08/2015

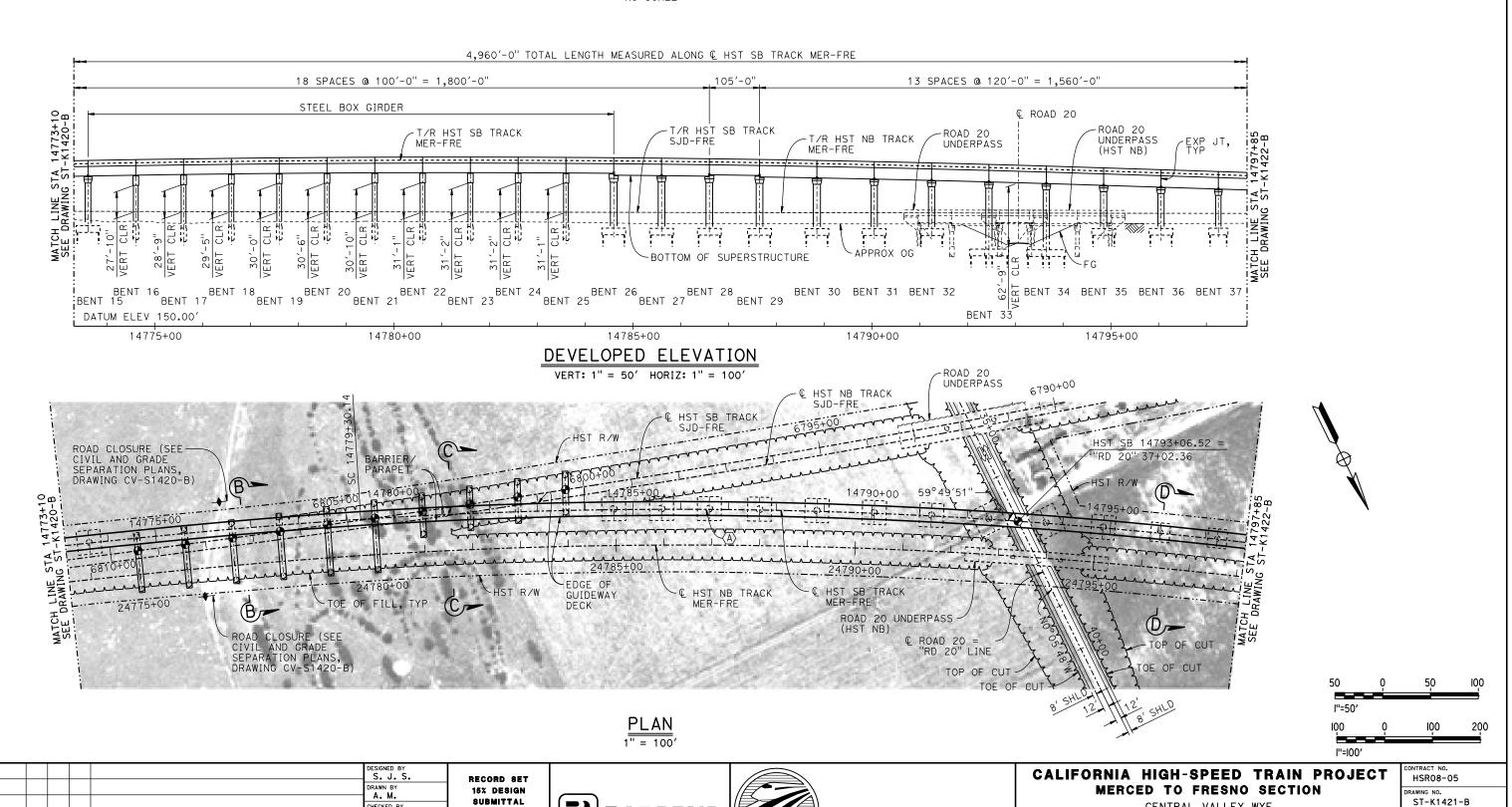
DATE

BY CHK APP

DESCRIPTION

NOT FOR

CONSTRUCTION



CALIFORNIA

HIGH-SPEED RAIL AUTHORITY

PARSONS

CENTRAL VALLEY WYE

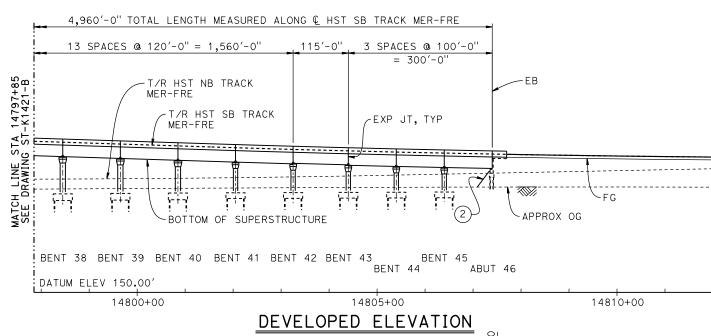
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE

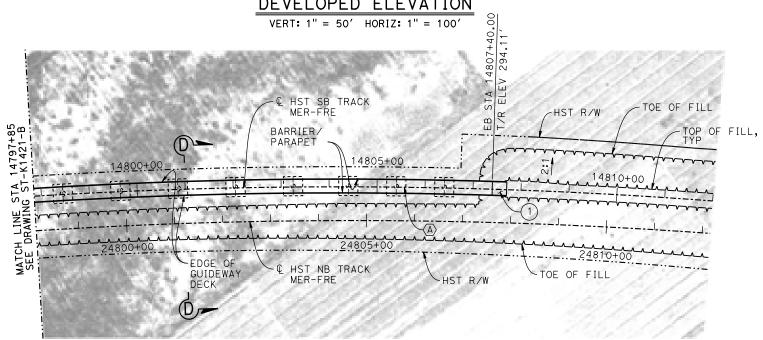
GENERAL PLAN (MER-FRE)

AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 2 OF 5

AS SHOWN

SHEET NO.





PLAN 1" = 100'

			l''=50'			_	
			100	Ō	IQO	200	
			l''=100′				
LIFORNIA	HIGH-SPEED	TRAIN	PROJE	CT	CONTRACT NO. HSRO8-05		•

Σ								
2							DESIGNED BY	
							DRAWN BY	1
							CHECKED BY	
8989							IN CHARGE C. LEMLEY	١.
8200	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 05/08/2015	l c
-						I	03/00/2013	

15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

RECORD SET

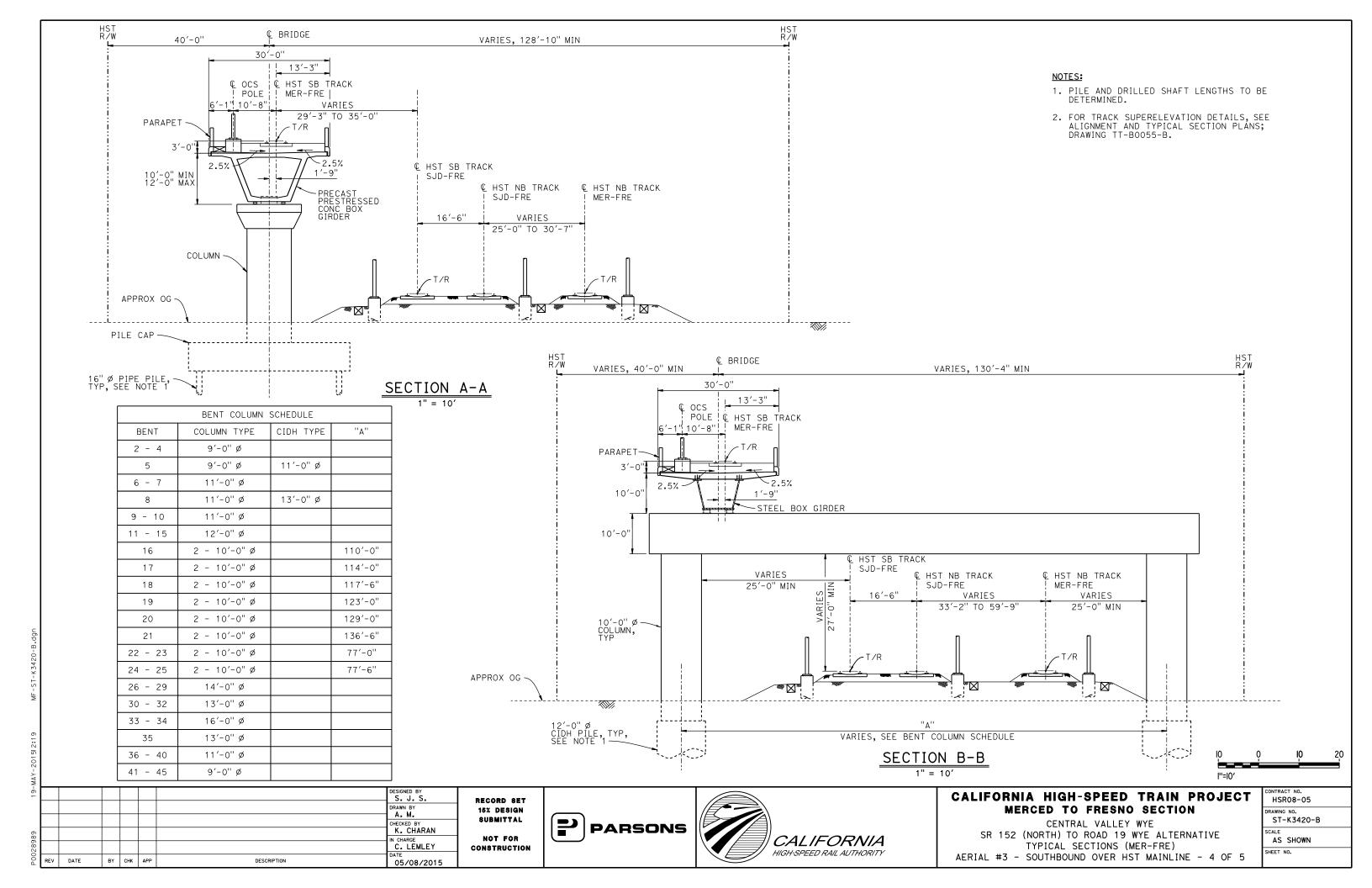


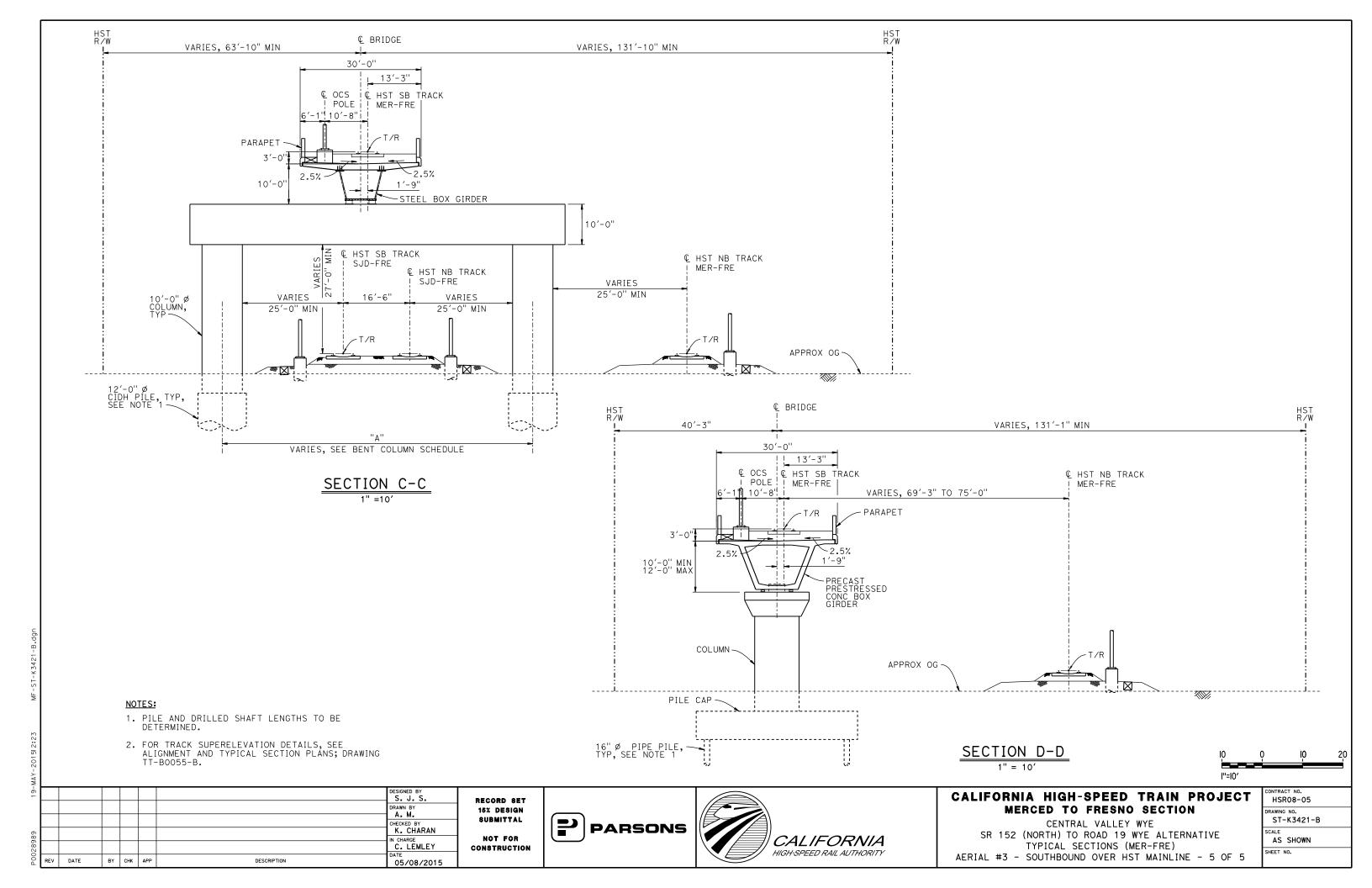


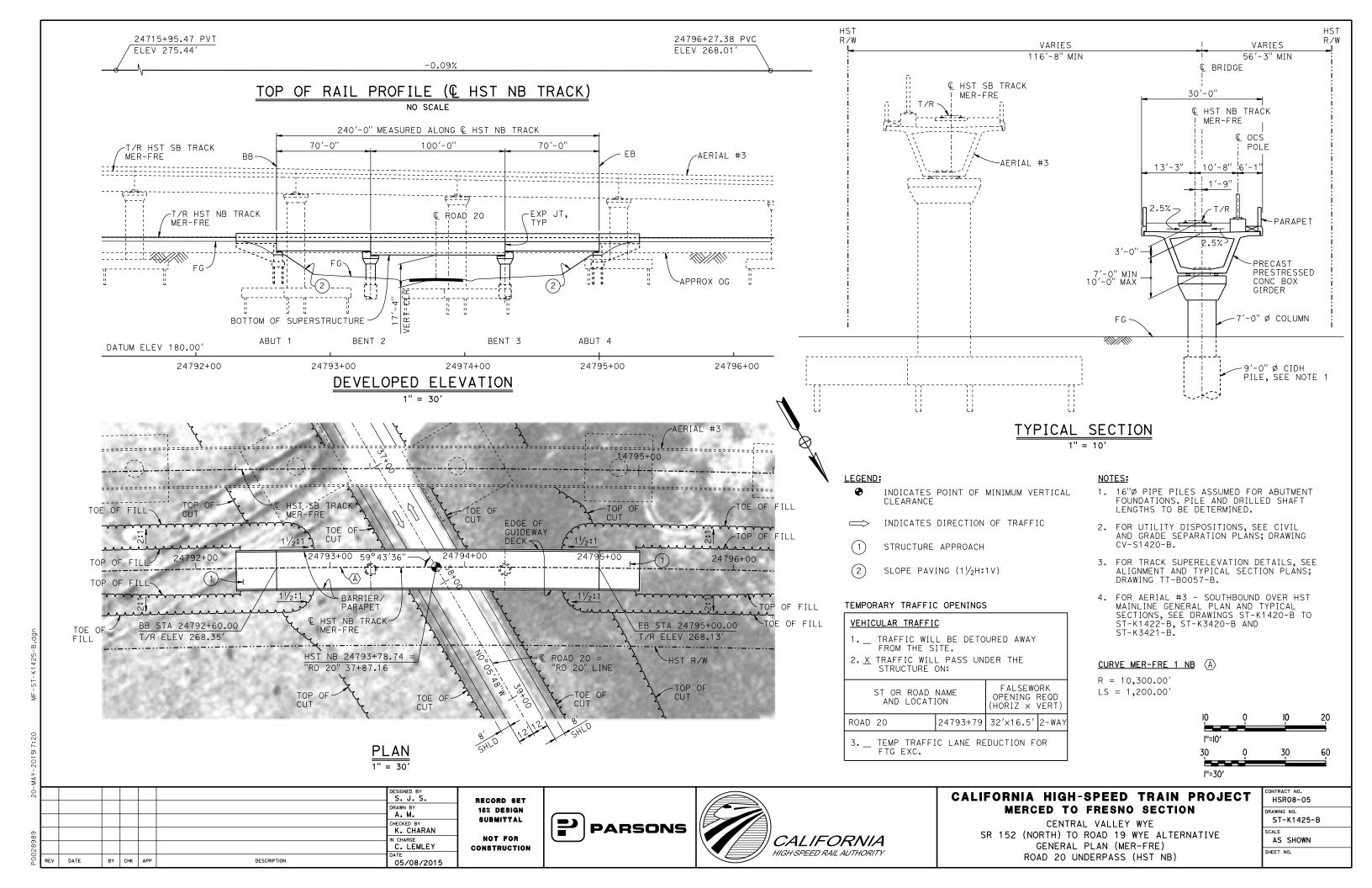
CALIFORNIA HIGH-SPEED TRAIN PROJE MERCED TO FRESNO SECTION

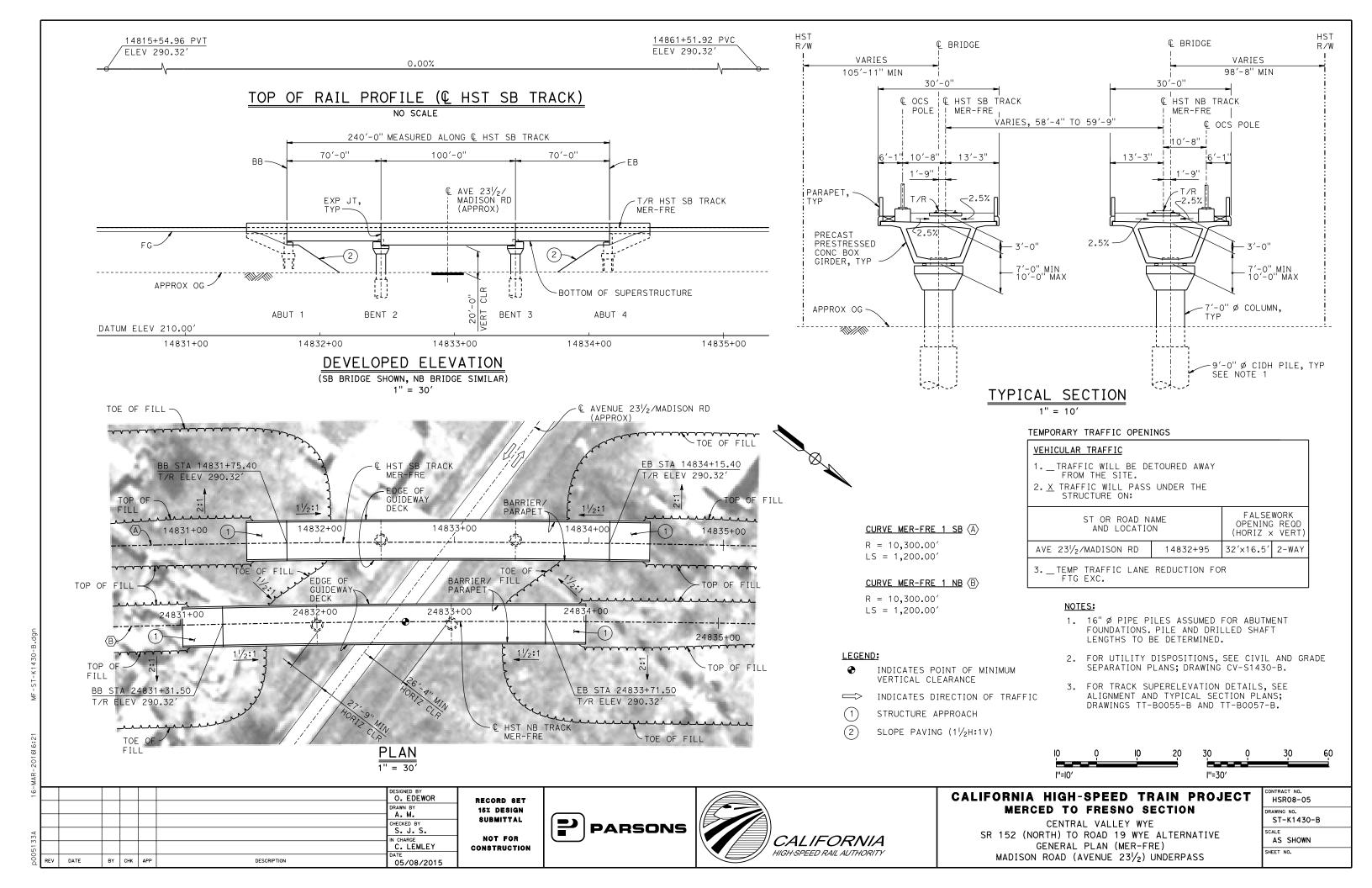
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
GENERAL PLAN (MER-FRE)
AERIAL #3 - SOUTHBOUND OVER HST MAINLINE - 3 OF 5

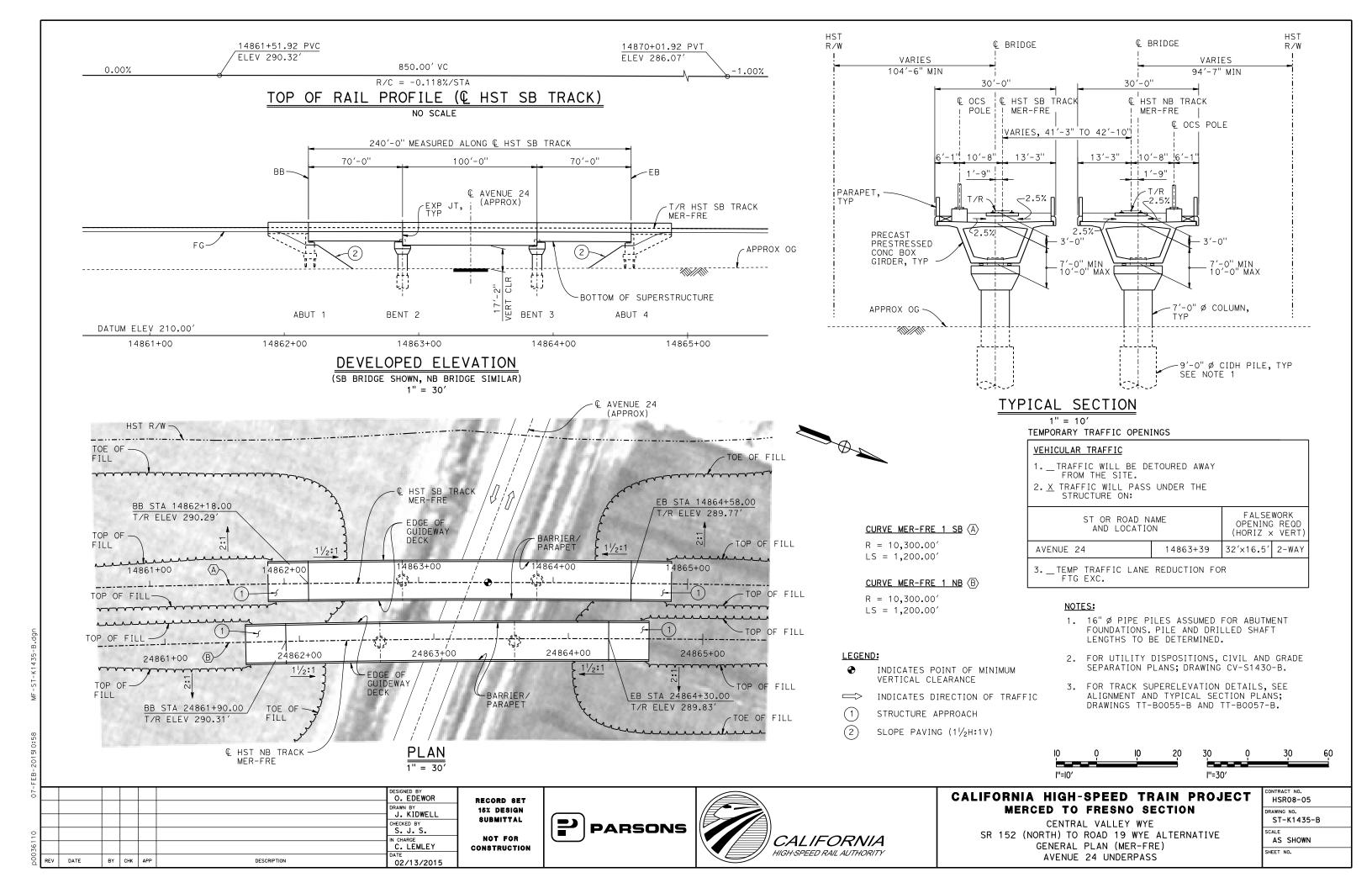
CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K1422-B
SCALE
AS SHOWN
SHEET NO.

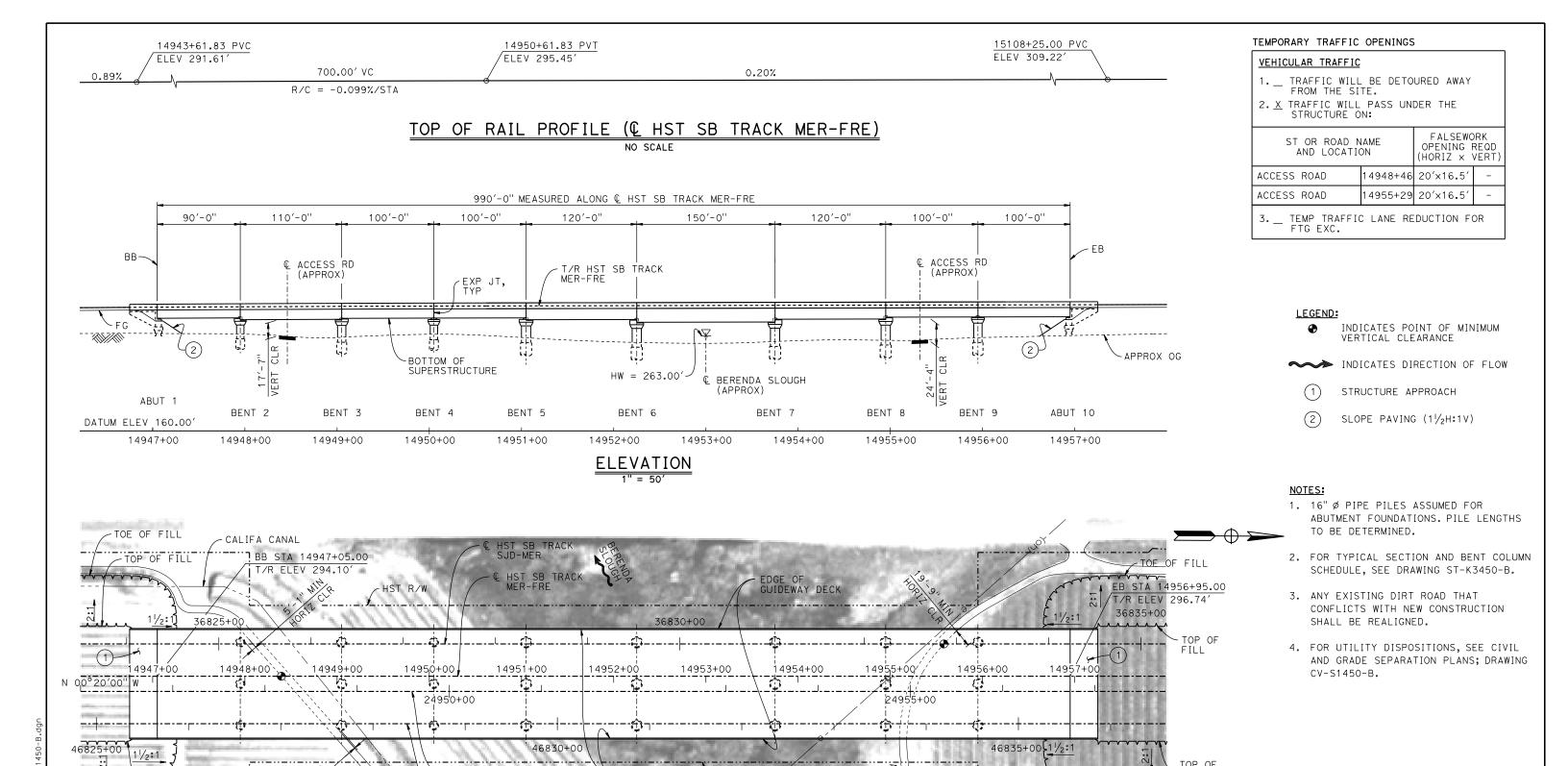












50 0 50 100

DESIGNED BY
O. EDEWOR
DRAWN BY
A. M.
CHECKED BY
S. J. S.
IN CHARGE
C. LEMLEY

DESIGNED BY
S. D. S.
NOT FOR
CONSTRUCTION

DESCRIPTION

TOP OF

TOE OF FILL

BY CHK APP

DATE

· C HST NB TRACK MER-FRE

- © HST NB TRACK SJD-MER

02/13/2015

PARSONS

PLAN

1" = 50'

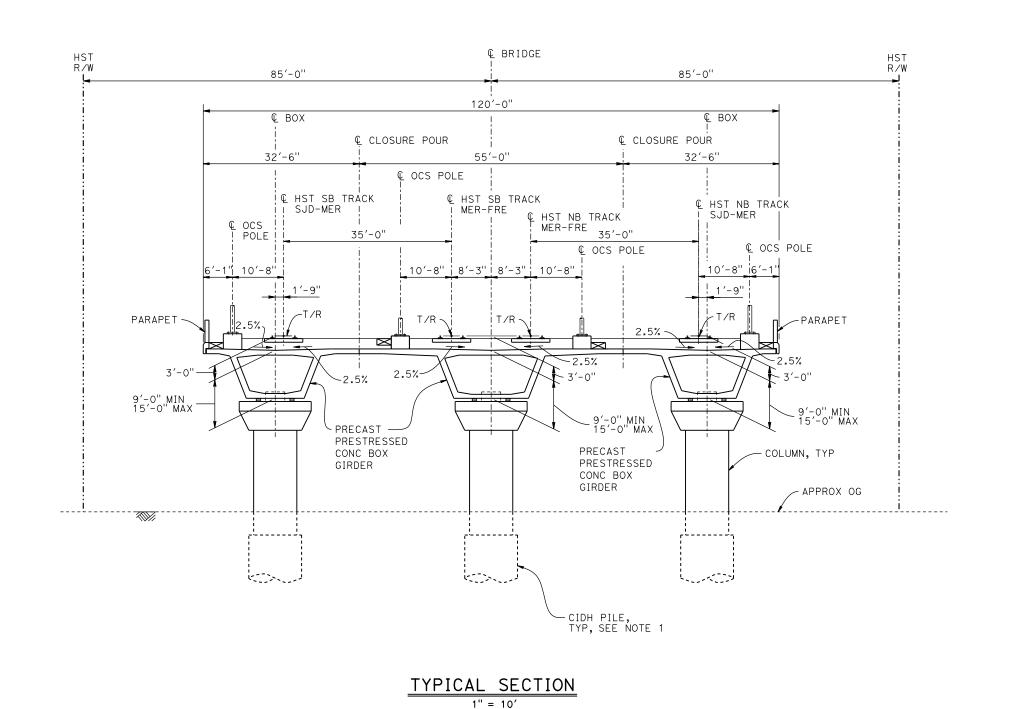


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

TOE OF FILL

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
GENERAL PLAN (MER-FRE)
BERENDA SLOUGH BRIDGE - 1 OF 2

HSR08-05
DRAWING NO.
ST-K1450-B
SCALE
AS SHOWN
SHEET NO.



BENT COLUMN SCHEDULE			
BENT	COLUMN TYPE	CIDH TYPE	
2	8'-0" Ø	10'-0" Ø	
3	9'-0" ø	11'-0" Ø	
4	8'-0" Ø	10'-0" Ø	
5 - 8	10'-0" ø	12′-0" Ø	
9	9'-0" Ø	11′-0" Ø	

NOTE:

1. DRILLED SHAFT LENGTHS TO BE DETERMINED.



-10							DESIGNED BY O. EDEWOR	R
							DRAWN BY]]
0							CHECKED BY S. J. S.	
3611							IN CHARGE C. LEMLEY	co
D00	REV	DATE	BY	снк	APP	DESCRIPTION	02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

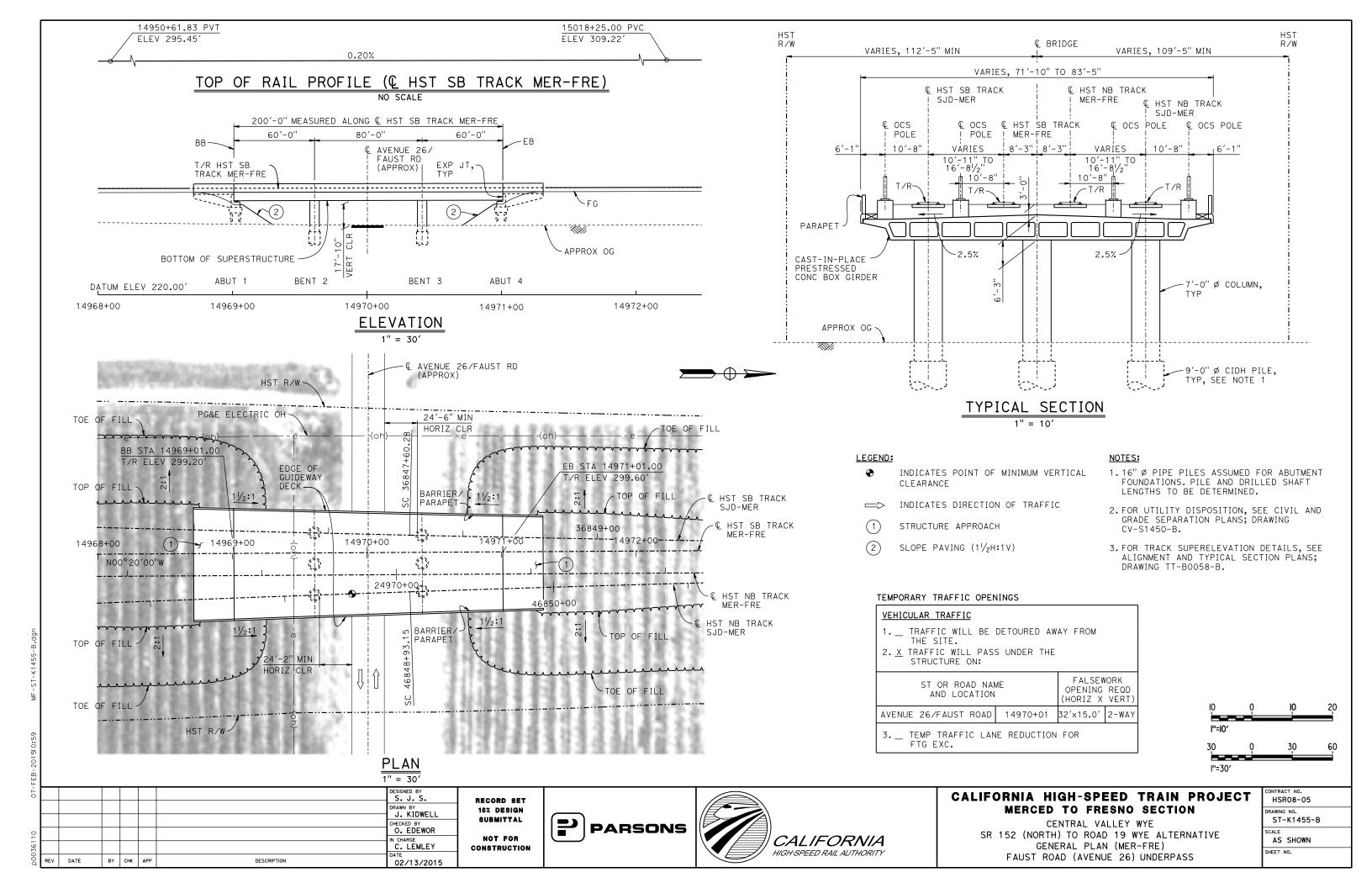


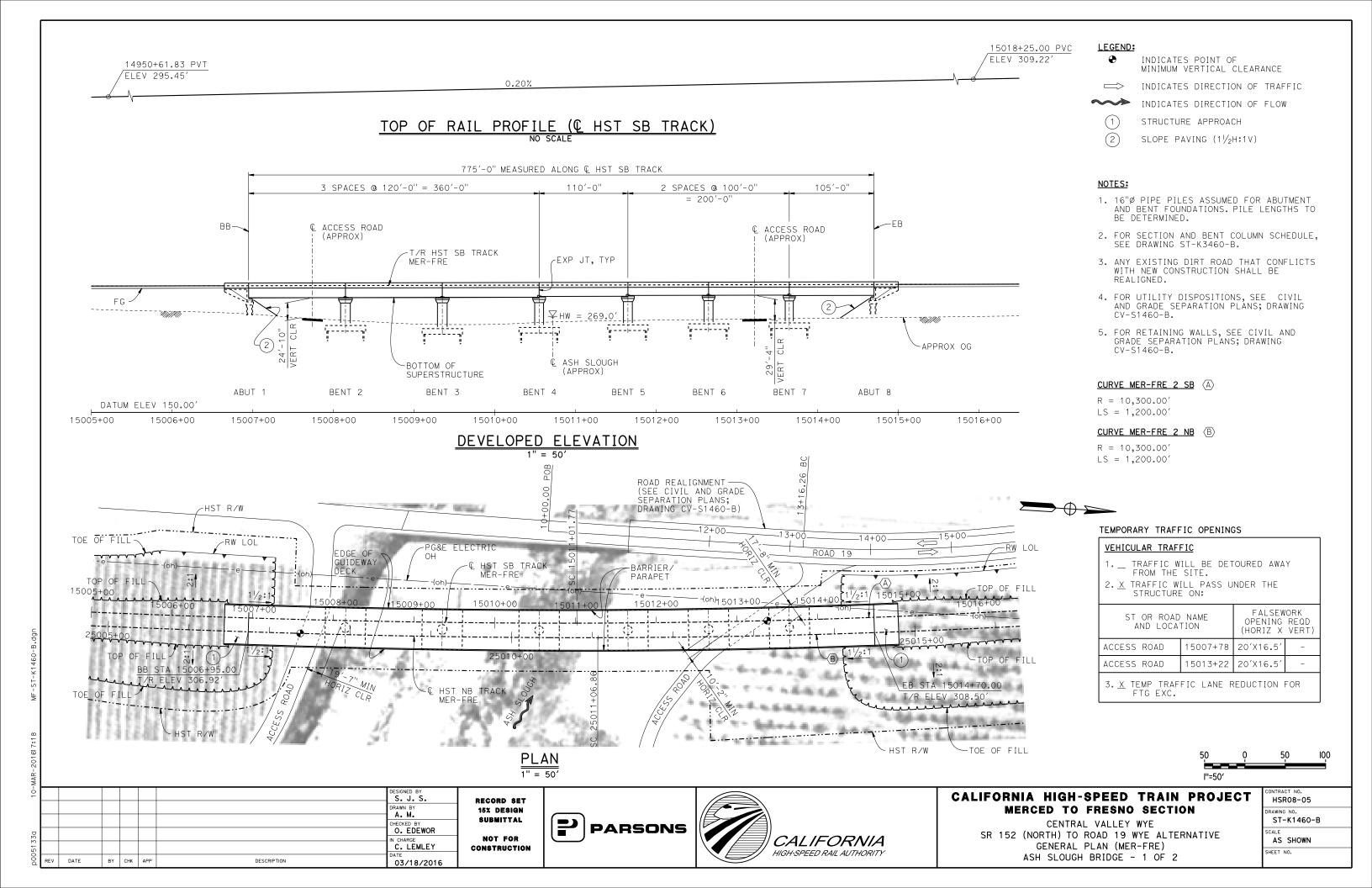


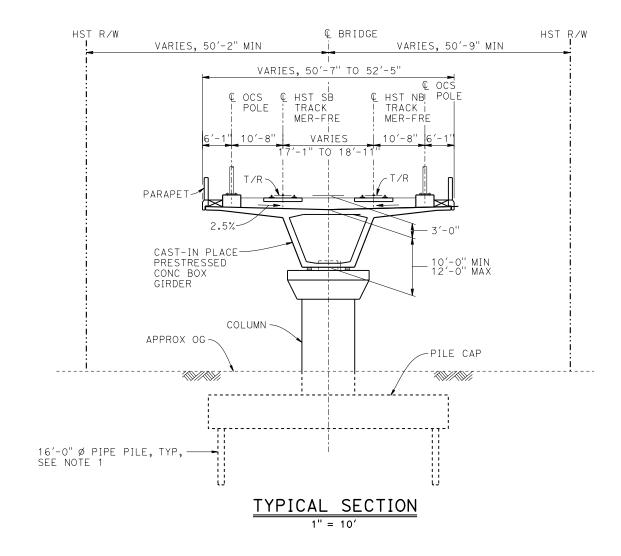
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE TYPICAL SECTION (MER-FRE) BERENDA SLOUGH BRIDGE - 2 OF 2

	CONTRACT NO. HSR08-05
	DRAWING NO. ST-K3450-B
	SCALE AS SHOWN
ſ	SHEET NO.







BENT C	OLUMN SCHEDULE
BENT	COLUMN TYPE
2 - 3	12'-0" Ø
4 - 6	11'-0'' Ø
7	10'-0" Ø

NOTES:

- 1. PILE LENGTHS TO BE DETERMINED.
- FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWINGS TT-B0055-B AND TT-B0057-B.



ΜAΥ								
22-							DESIGNED BY	
							DRAWN BY A. M.	'
П							CHECKED BY O. EDEWOR	
51330							IN CHARGE C. LEMLEY	c
p0051	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 05/08/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

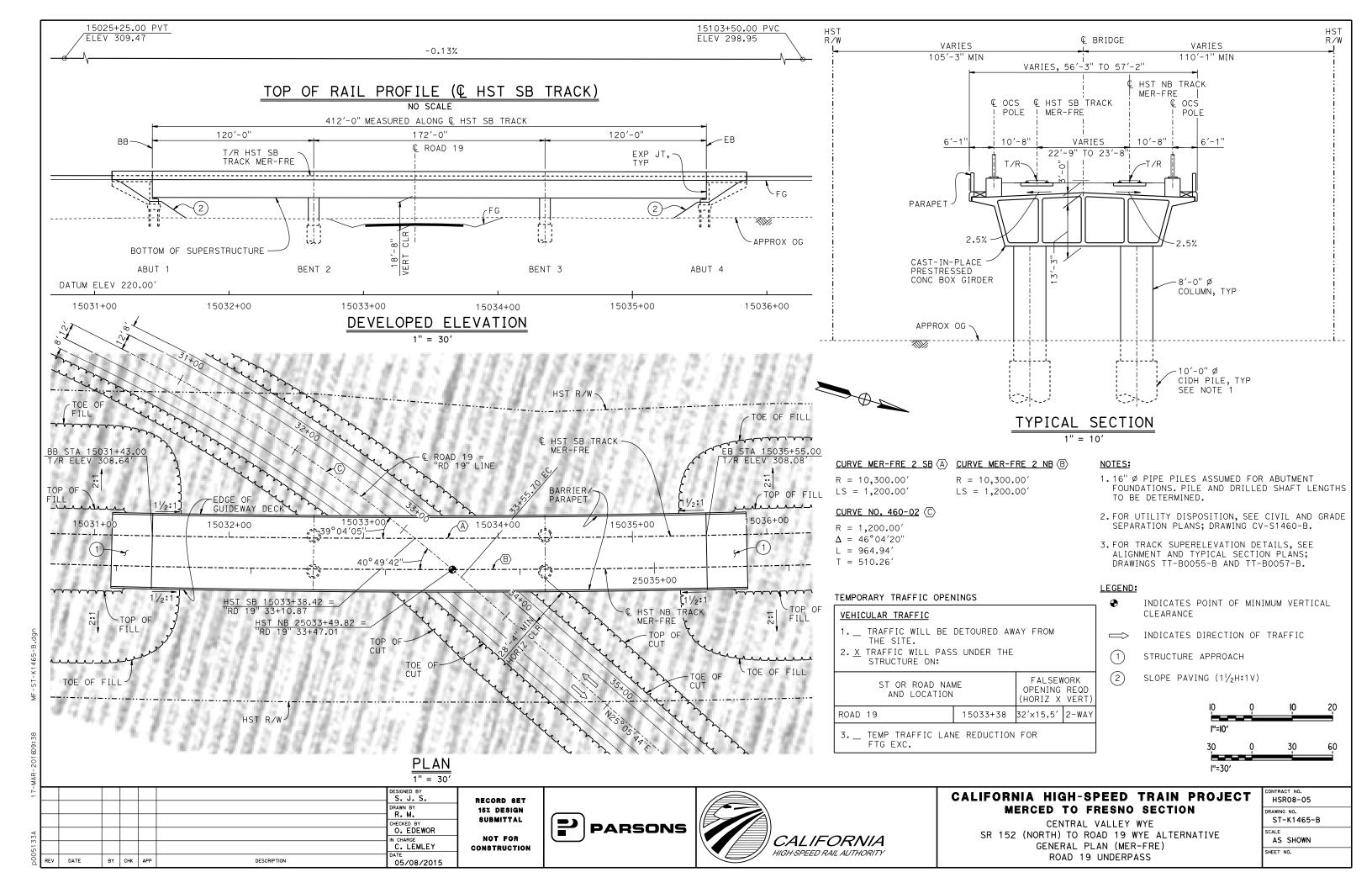


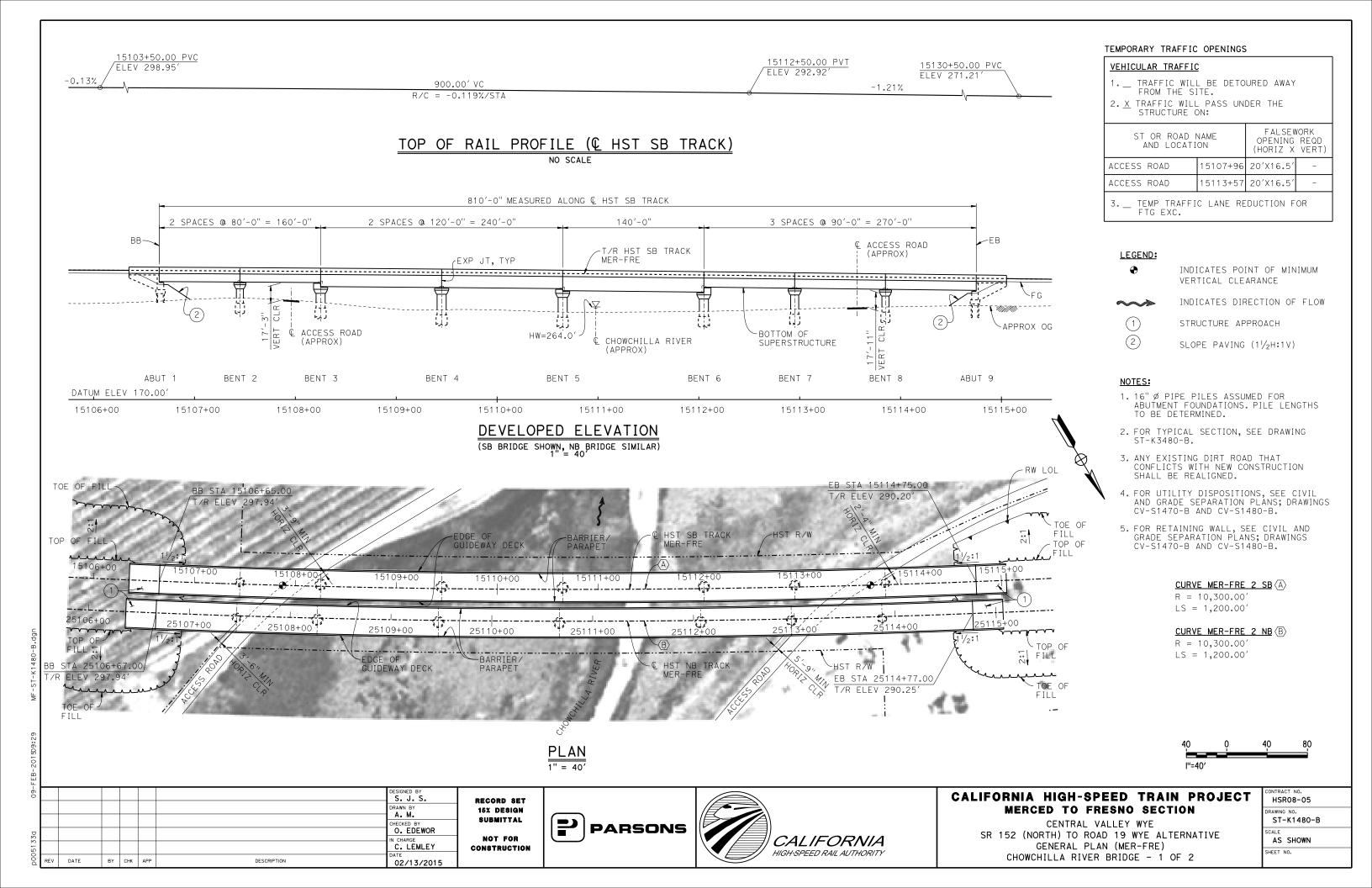


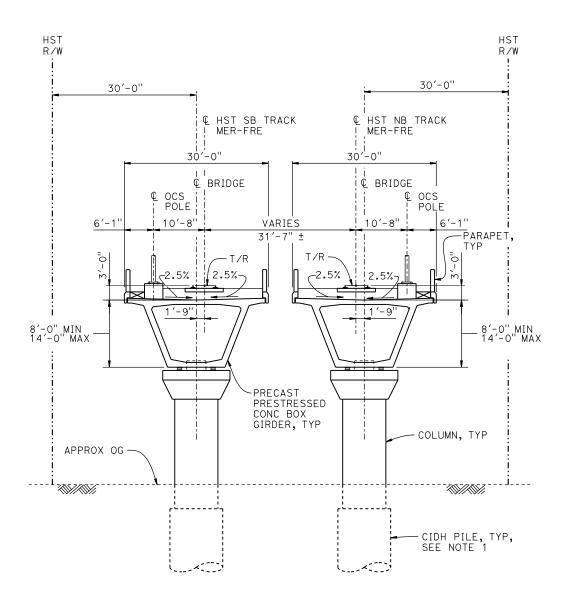
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TYPICAL SECTION (MER-FRE)
ASH SLOUGH BRIDGE - 2 OF 2

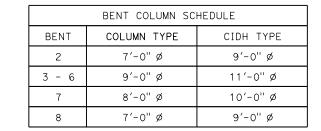
CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K3460-B
SCALE
AS SHOWN
SHEET NO.





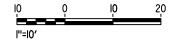


TYPICAL SECTION



NOTES:

- 1. DRILLED SHAFT LENGTHS TO BE DETERMINED.
- FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWINGS TT-B0055-B AND TT-B0057-B.



FE								
-70							DESIGNED BY	RE
							DRAWN BY	10
0							CHECKED BY O. EDEWOR	8
3611(IN CHARGE C. LEMLEY	COI
.00d	REV	DATE	BY	снк	APP	DESCRIPTION	DATE 02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

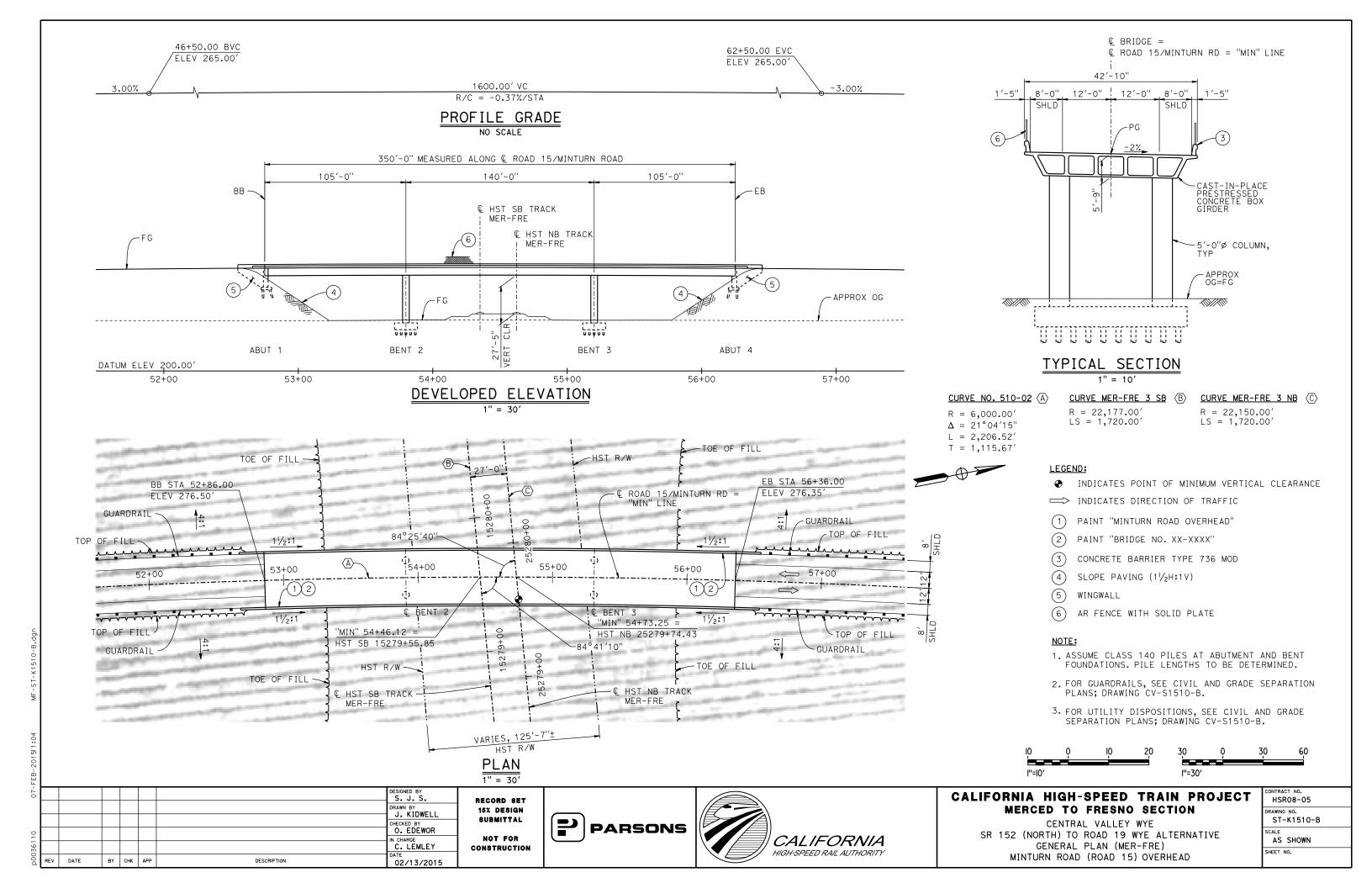




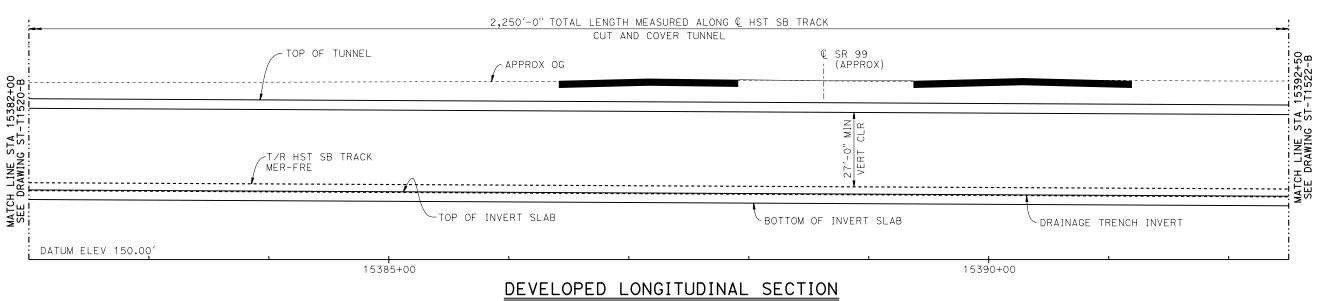
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TYPICAL SECTION (MER-FRE)
CHOWCHILLA RIVER BRIDGE - 2 OF 2

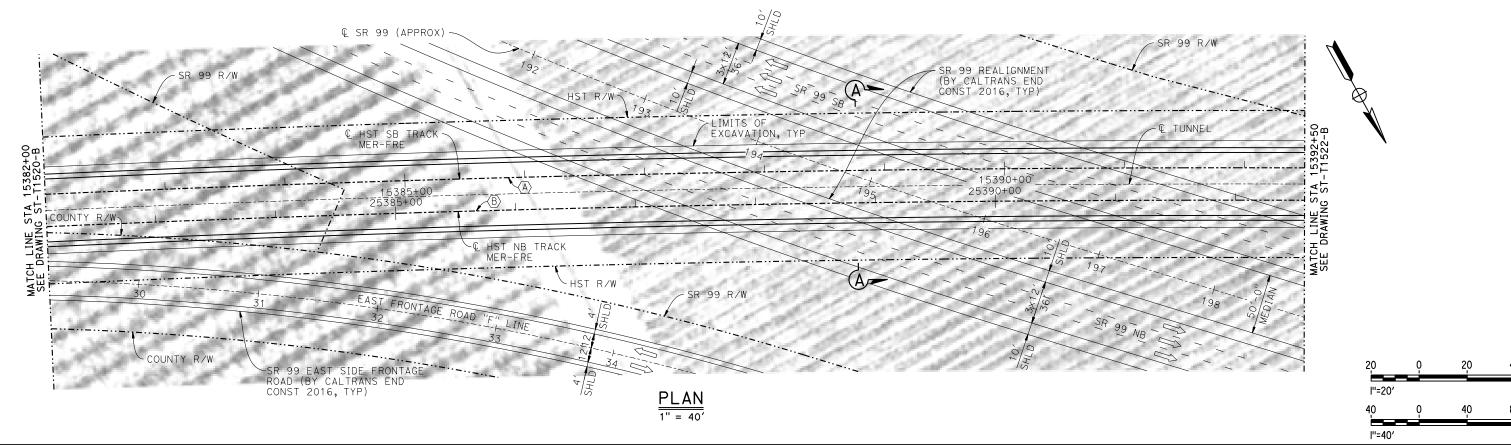
CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K3480-B
SCALE
AS SHOWN
SHEET NO.



TOP OF RAIL PROFILE (& HST SB TRACK) NO SCALE



VERT: 1"=20' HORIZ: 1"= 40'



O. EDEWOR J. C. CHECKED BY IN CHARGE

C. LEMLEY BY CHK APP DESCRIPTION 03/18/2016

RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

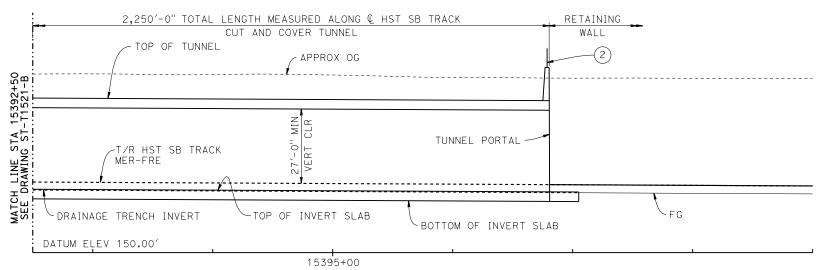
CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE GENERAL PLAN (MER-FRE) CUT AND COVER TUNNEL AT SR 99 - 2 OF 5

CONTRACT NO. HSR08-05
DRAWING NO. ST-T1521-B
AS SHOWN
SHEET NO.

-0.25%

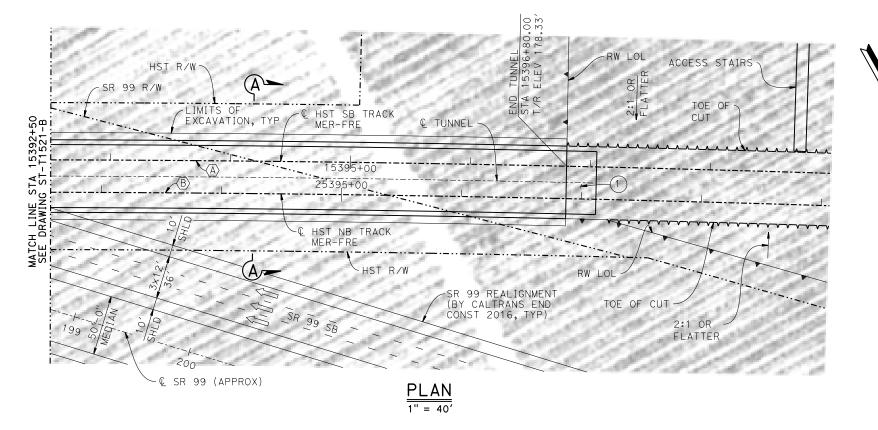
TOP OF RAIL PROFILE (& HST SB TRACK)

NO SCALE



DEVELOPED LONGITUDINAL SECTION

VERT: 1"=20' HORIZ: 1"= 40'



ọ	20	40
Q	40	80
	0 0	<u> </u>

						DESIGNED BY O. EDEWOR DRAWN BY J. C. CHECKED BY S. J. S.
REV	DATE	BY	снк	APP	DESCRIPTION	IN CHARGE C. LEMLEY DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

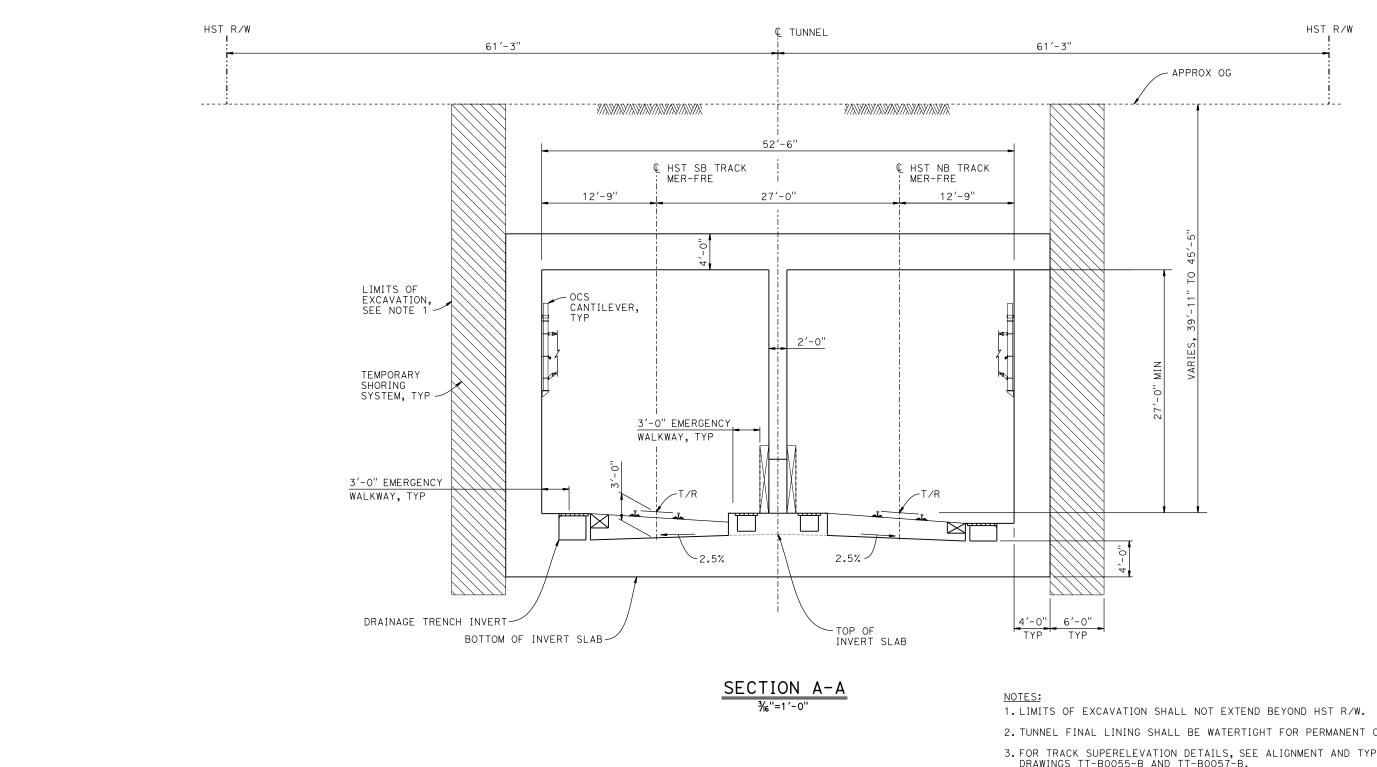




CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

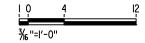
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
GENERAL PLAN (MER-FRE)
CUT AND COVER TUNNEL AT SR 99 - 3 OF 5

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-T1522-B
SCALE
AS SHOWN
SHEET NO.



2. TUNNEL FINAL LINING SHALL BE WATERTIGHT FOR PERMANENT CASE.

3. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWINGS TT-B0055-B AND TT-B0057-B.



щ.								
-70							DESIGNED BY O. EDEWOR	RECORD SET
							DRAWN BY	15% DESIGN
							CHECKED BY	SUBMITTAL
110							S. J. S. IN CHARGE	NOT FOR
36							C. LEMLEY	CONSTRUCTION
D00	REV	DATE	BY	СНК	APP	DESCRIPTION	02/13/2015	

15% DESIGN DNSTRUCTION

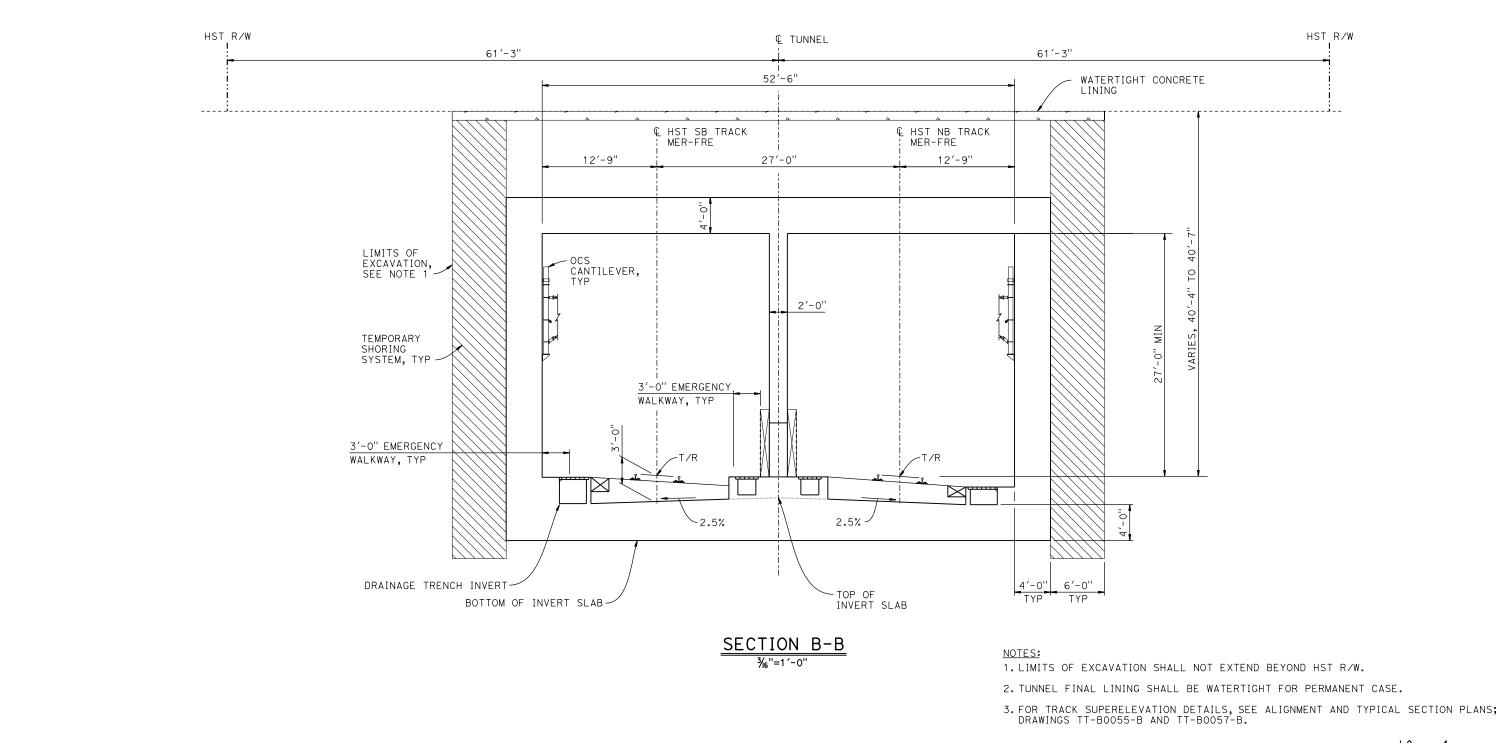


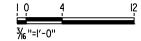


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE TYPICAL SECTION (MER-FRE) CUT AND COVER TUNNEL AT SR 99 - 4 OF 5

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-T3520-B
SCALE
AS SHOWN
SHEET NO.





ų.								
-70							DESIGNED BY O. EDEWOR	RE
							DRAWN BY	15
							CHECKED BY	81
36110							S. J. S. IN CHARGE C. LEMLEY DATE	CON
D00d	REV	DATE	BY	СНК	APP	DESCRIPTION	02/13/2015	

ECORD SET 15% DESIGN SUBMITTAL NOT FOR DNSTRUCTION

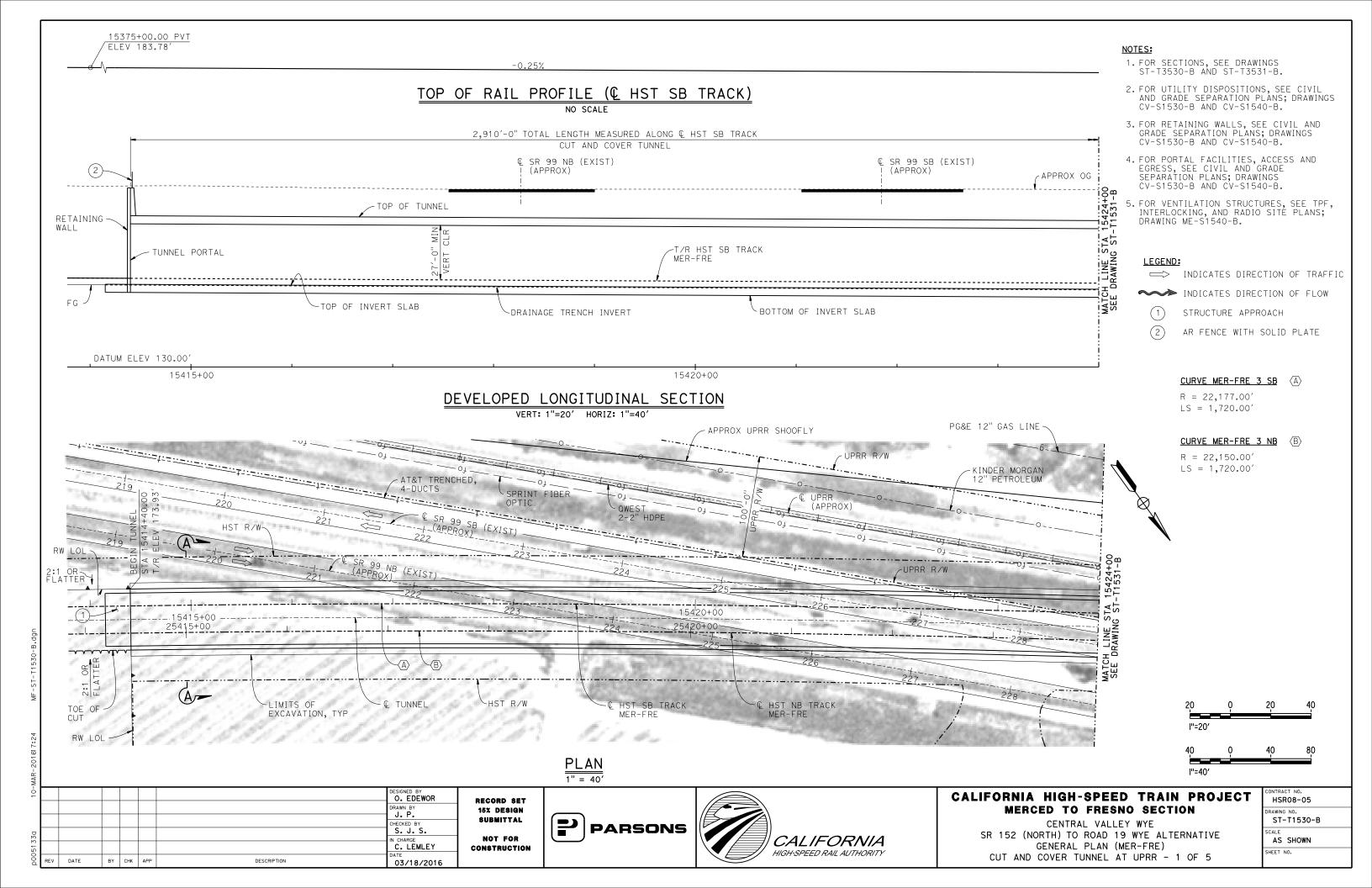


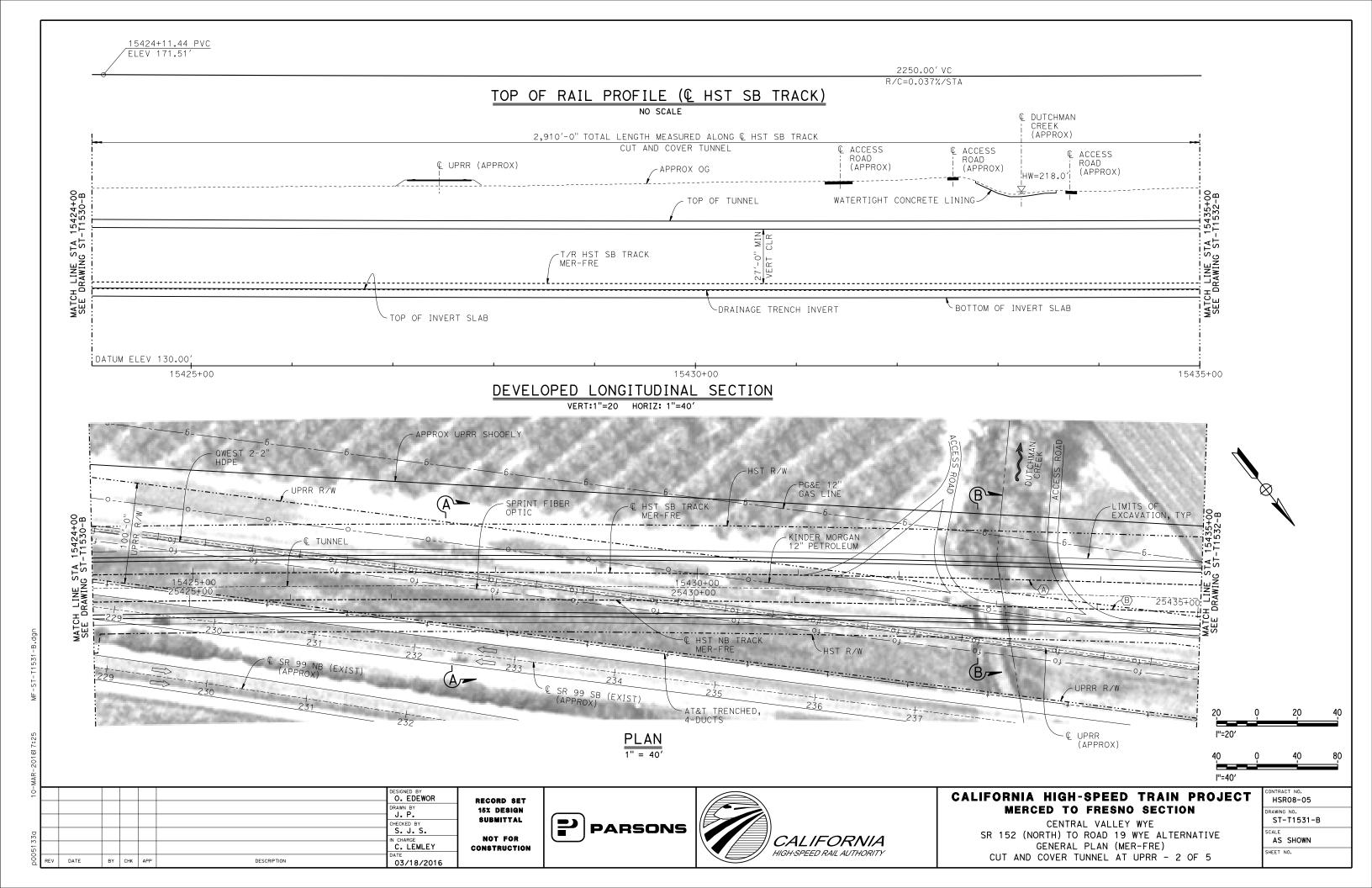


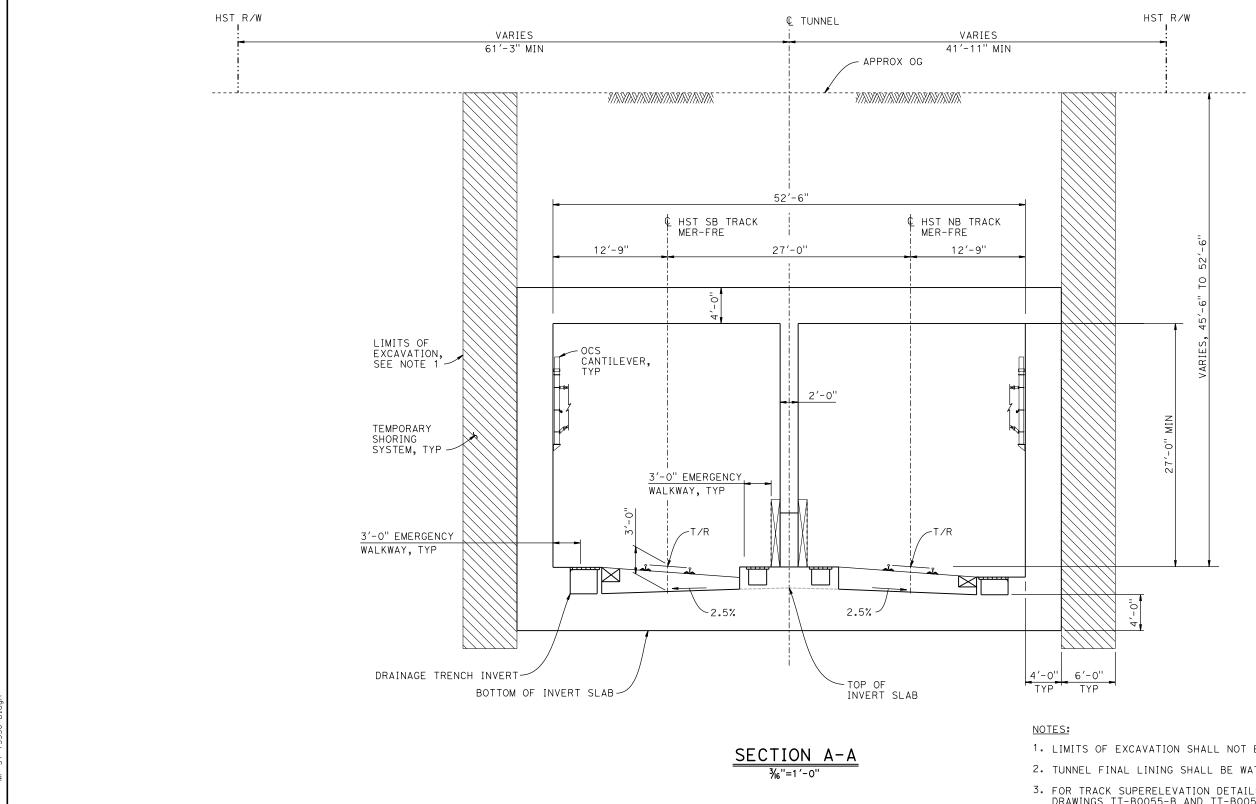
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE TYPICAL SECTION (MER-FRE) CUT AND COVER TUNNEL AT SR 99 - 5 OF 5

CONTRACT NO. HSR08-05							
DRAWING NO. ST-T3521-B							
AS SHOWN							
SHEET NO.							







- 1. LIMITS OF EXCAVATION SHALL NOT EXTEND BEYOND HST R/W.
- 2. TUNNEL FINAL LINING SHALL BE WATERTIGHT FOR PERMANENT CASE.
- 3. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWINGS TT-B0055-B AND TT-B0057-B.



DESIGNED BY
O. EDEWOR CHECKED BY IN CHARGE
C. LEMLEY BY CHK APP DESCRIPTION 02/13/2015

RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION

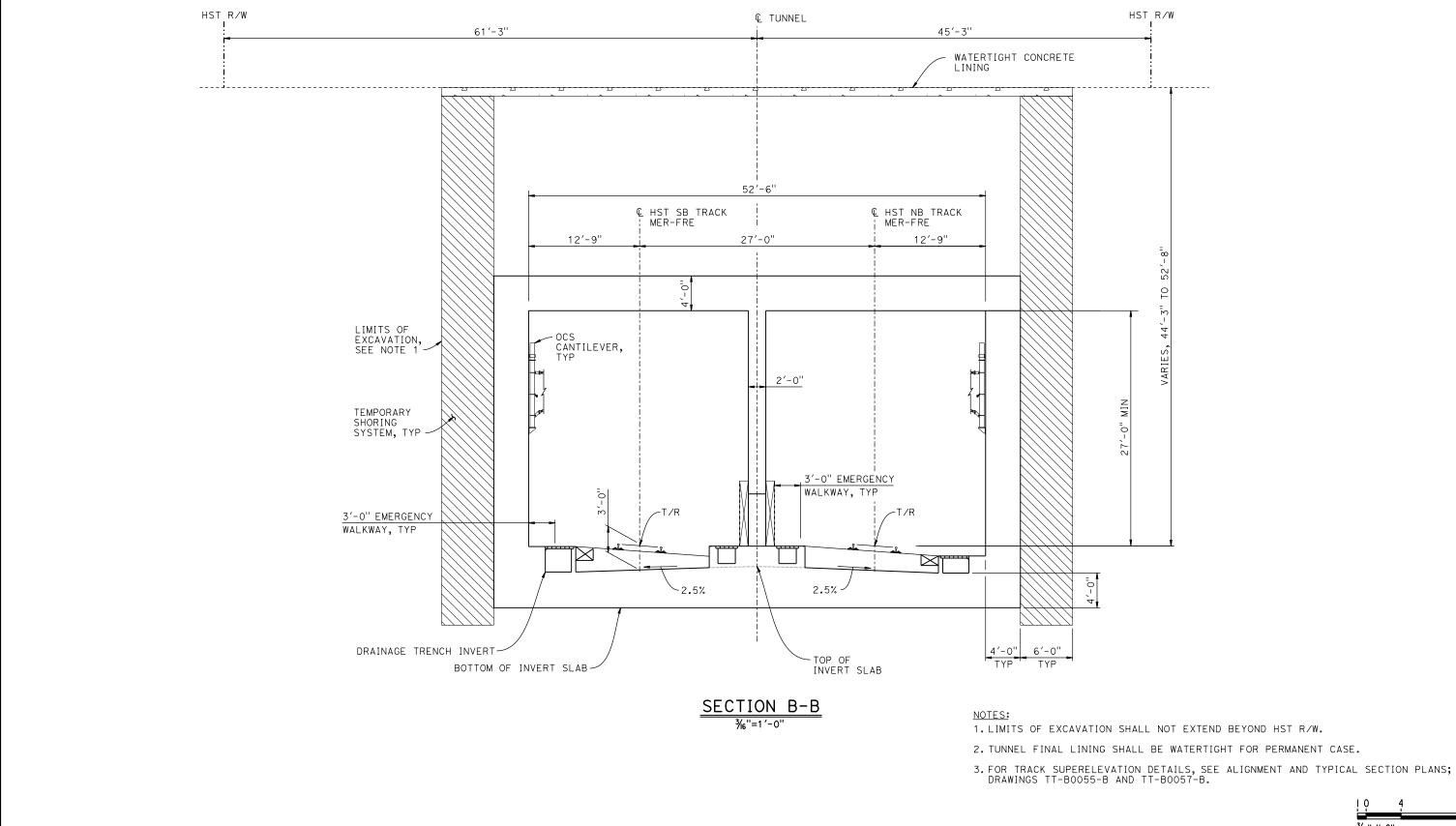




CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE TYPICAL SECTION (MER-FRE) CUT AND COVER TUNNEL AT UPRR - 4 OF 5

HSRO8-05
DRAWING NO.
ST-T3530-B
SCALE
AS SHOWN
SHEET NO.



3∕ ₁₆ ''=l'−0''	
/10 1 0	

10 4

DESIGNED BY
O. EDEWOR CHECKED BY IN CHARGE
C. LEMLEY

DESCRIPTION

DATE

BY CHK APP

RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION

02/13/2015

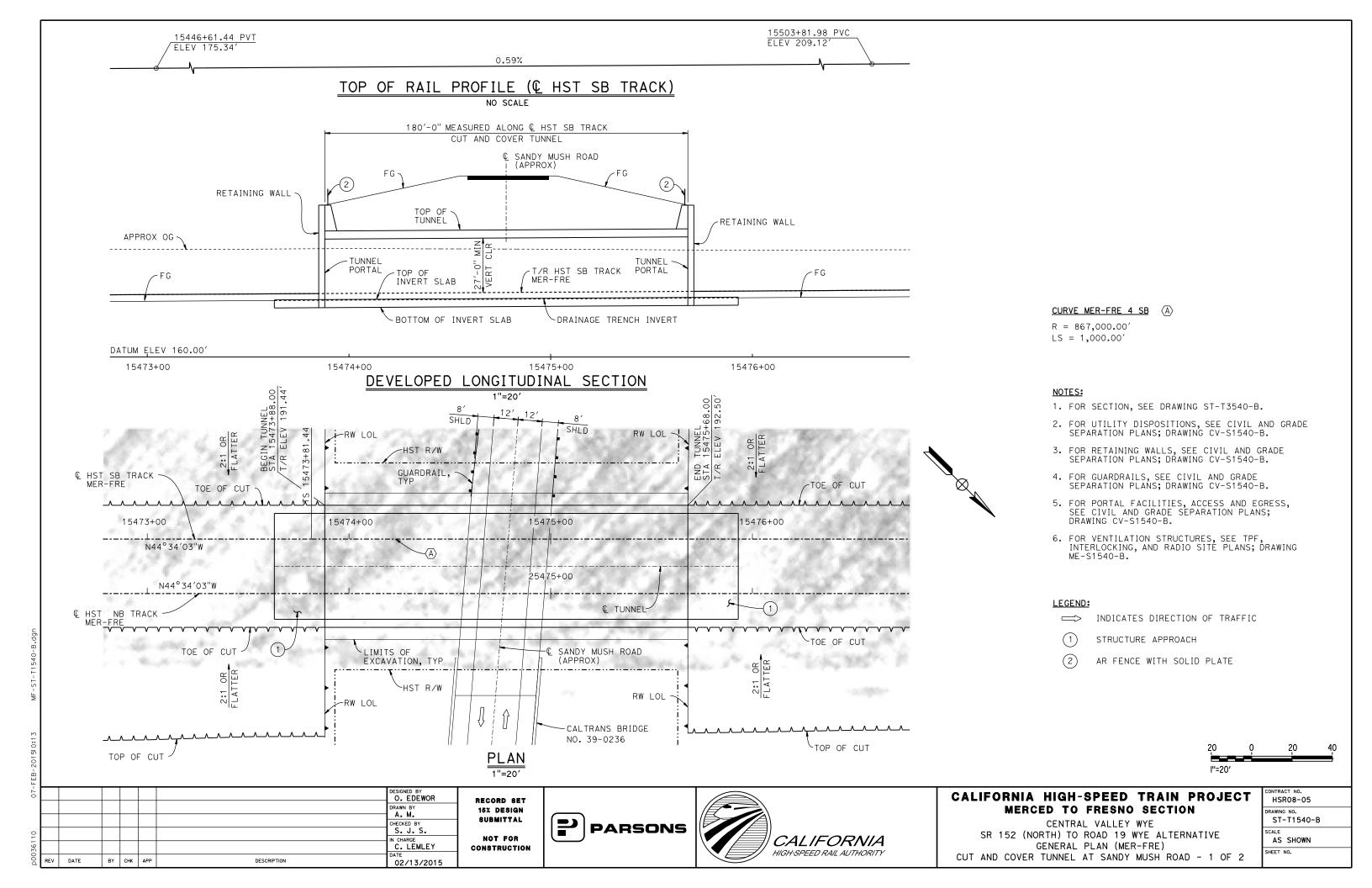


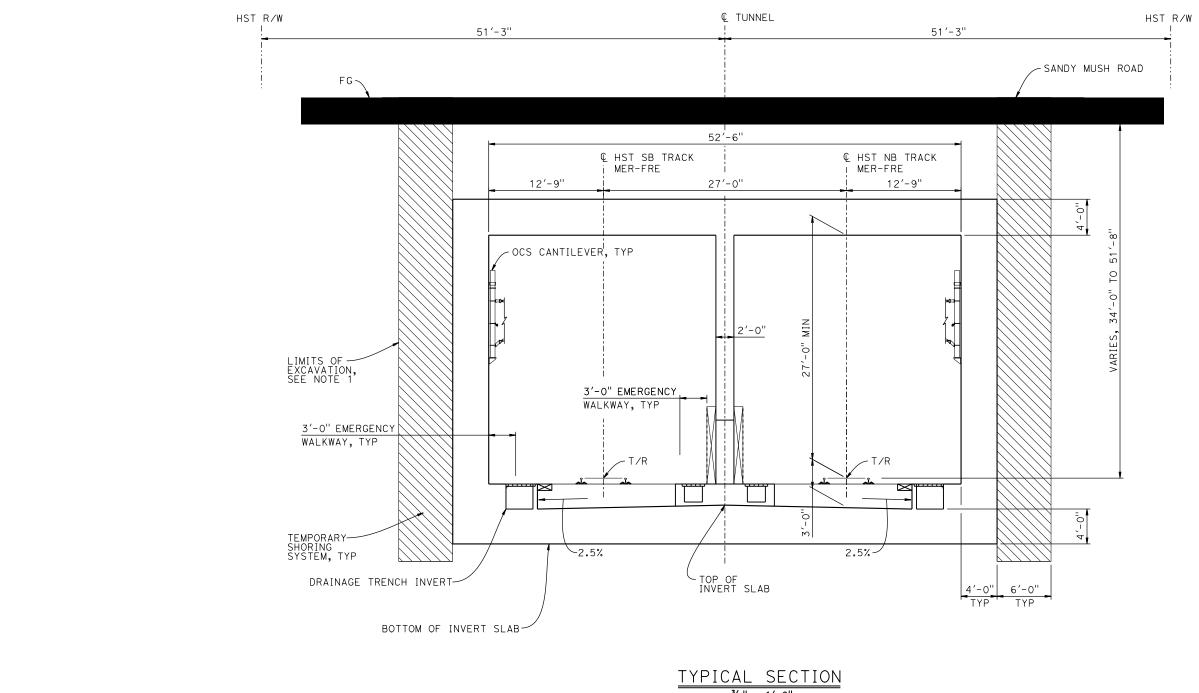


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE TYPICAL SECTION (MER-FRE) CUT AND COVER TUNNEL AT UPRR - 5 OF 5

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-T3531-B
SCALE
AS SHOWN
SHEET NO.





TYPICAL SECTION
3/6" = 1'-0"

NOTES:

- 1. LIMITS OF EXCAVATION SHALL NOT EXTEND BEYOND
- 2. TUNNEL FINAL LINING SHALL BE WATERTIGHT FOR PERMANENT CASE.



7-F							DESIGNED BY	
0							O. EDEWOR DRAWN BY	R
							A. M. CHECKED BY	;
110							S. J. S. IN CHARGE	
p00361							C. LEMLEY	Co
)Od	REV	DATE	BY	СНК	APP	DESCRIPTION	02/13/2015	

RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION



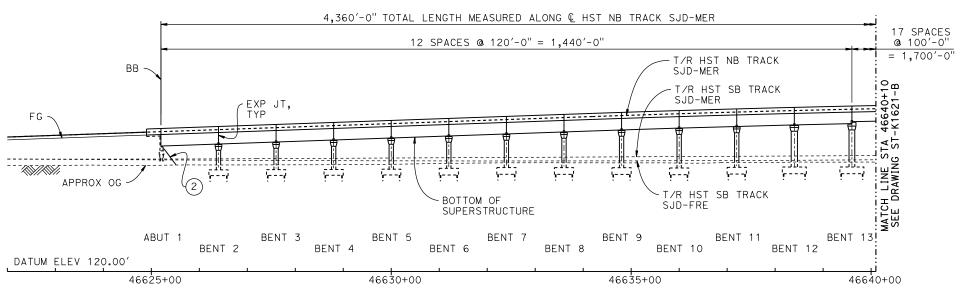


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

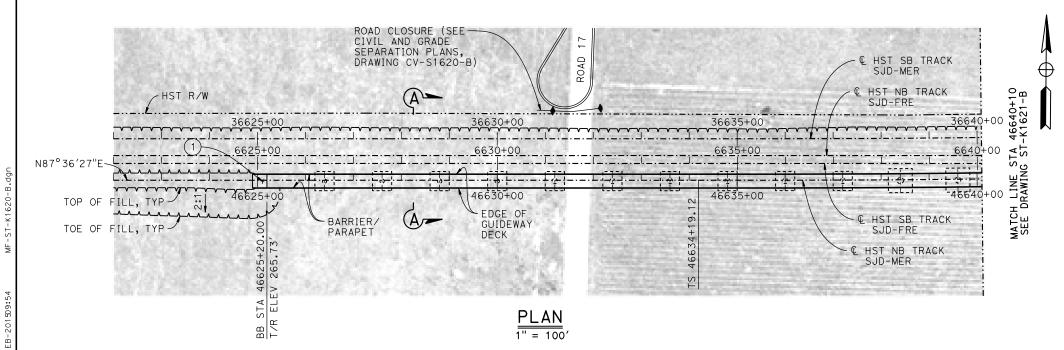
CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE TYPICAL SECTION (MER-FRE) CUT AND COVER TUNNEL AT SANDY MUSH ROAD - 2 OF 2

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-T3540-B
SCALE
AS SHOWN
SHEET NO.

TOP OF RAIL PROFILE (HST NB TRACK SJD-MER)



DEVELOPED ELEVATION VERT: 1" = 50' HORIZ: 1" = 100'



RECORD SET

15% DESIGN SUBMITTAL

NOT FOR

LEGEND:

- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- INDICATES DIRECTION OF TRAFFIC
- STRUCTURE APPROACH
- SLOPE PAVING (1/2H:1V)

TEMPORARY TRAFFIC OPENINGS

FTG EXC.

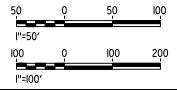
VEHICULAR TRAFFIC 1. _ TRAFFIC WILL BE DETOURED AWAY FROM THE SITE. 2. \underline{X} TRAFFIC WILL PASS UNDER THE STRUCTURE ON: FALSEWORK ST OR ROAD NAME OPENING REQD AND LOCATION (HORIZ X VERT 32'X16.5' 2-WAY ROAD $17\frac{1}{2}$ 3. _ TEMP TRAFFIC LANE REDUCTION FOR

NOTES:

- 1. 16" Ø PIPE PILES ASSUMED FOR ABUTMENT AND BENT FOUNDATIONS, UNLESS OTHERWISE NOTED. PILE LENGTHS
- 2. FOR SECTIONS AND BENT COLUMN SCHEDULE, SEE DRAWINGS ST-K3620-B AND ST-K3621-B.
- 3. ANY EXISTING DIRT ROAD THAT CONFLICTS WITH NEW CONSTRUCTION SHALL BE REALIGNED.
- FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWINGS CV-S1610-B AND CV-S1620-B.
- 5. FOR ROAD 17 $^1\!\!/_2$ UNDERPASS (HST SB) GENERAL PLAN AND TYPICAL SECTION, SEE DRAWING ST-K1625-B.
- 6. FOR ROAD 17 $^{1}\!\!/_{2}$ UNDERPASS GENERAL PLAN AND TYPICAL SECTION, SEE DRAWING ST-K1240-B.

CURVE SJD-MER 1 NB (A)

R = 10,386.50'LS = 1,200.00'



DESIGNED BY DRAWN BY
W. JOHNSEN O. EDEWOR N CHARGE C. LEMLEY CONSTRUCTION DATE BY CHK APP DESCRIPTION 02/13/2015

PARSONS



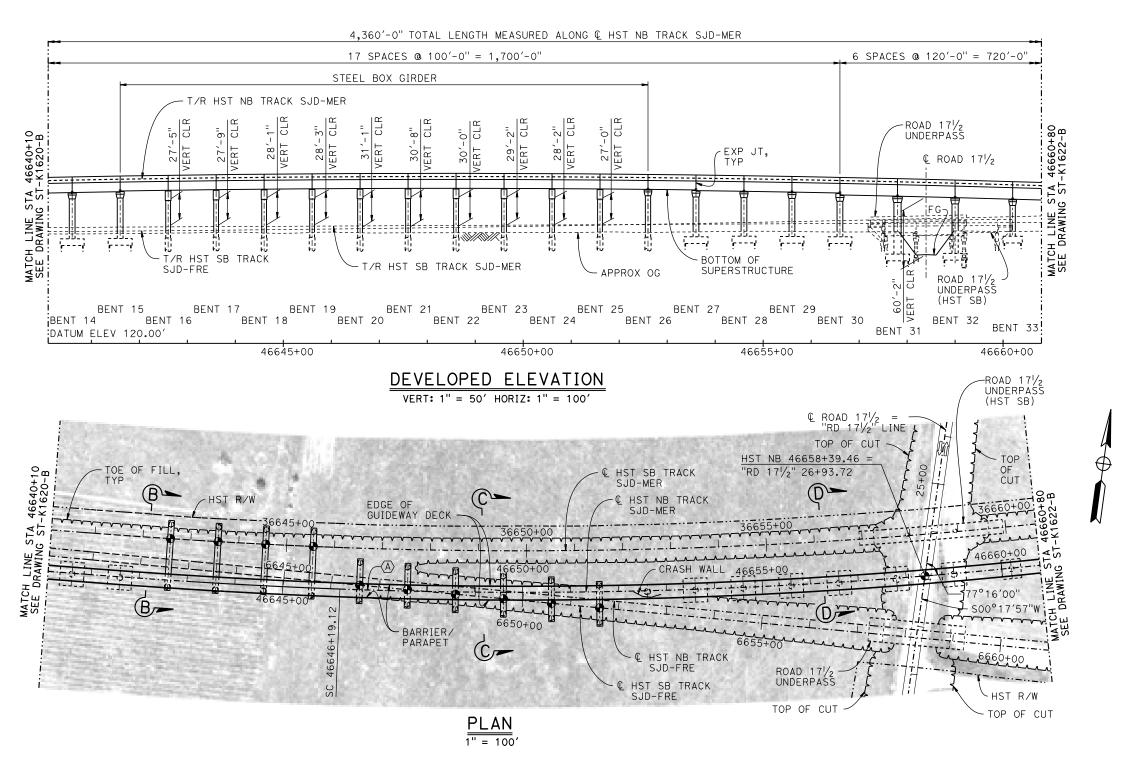
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE GENERAL PLAN (SJD-MER) AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 1 OF 5

HSR08-05 ST-K1620-B AS SHOWN SHEET NO.

TOP OF RAIL PROFILE (HST NB TRACK SJD-MER)

NO SCALE



50	Q	50	100
l''=50'			
100	Q	IÓ0	200
l''=l00′			

Ψ̈.								
- 0							DESIGNED BY	RECORD SET
							DRAWN BY W. JOHNSEN	15% DESIGN
							CHECKED BY	SUBMITTAL
110							O. EDEWOR IN CHARGE	NOT FOR
0361							C. LEMLEY	CONSTRUCTION
ĕ	REV	DATE	BY	СНК	APP	DESCRIPTION	02/13/2015	

PARSONS



CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
GENERAL PLAN (SJD-MER)
AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 2 OF 5

CONTRACT NO. HSR08-05
DRAWING NO.
ST-K1621-B
SCALE
AS SHOWN
SHEET NO.

02/13/2015

DATE

BY CHK APP

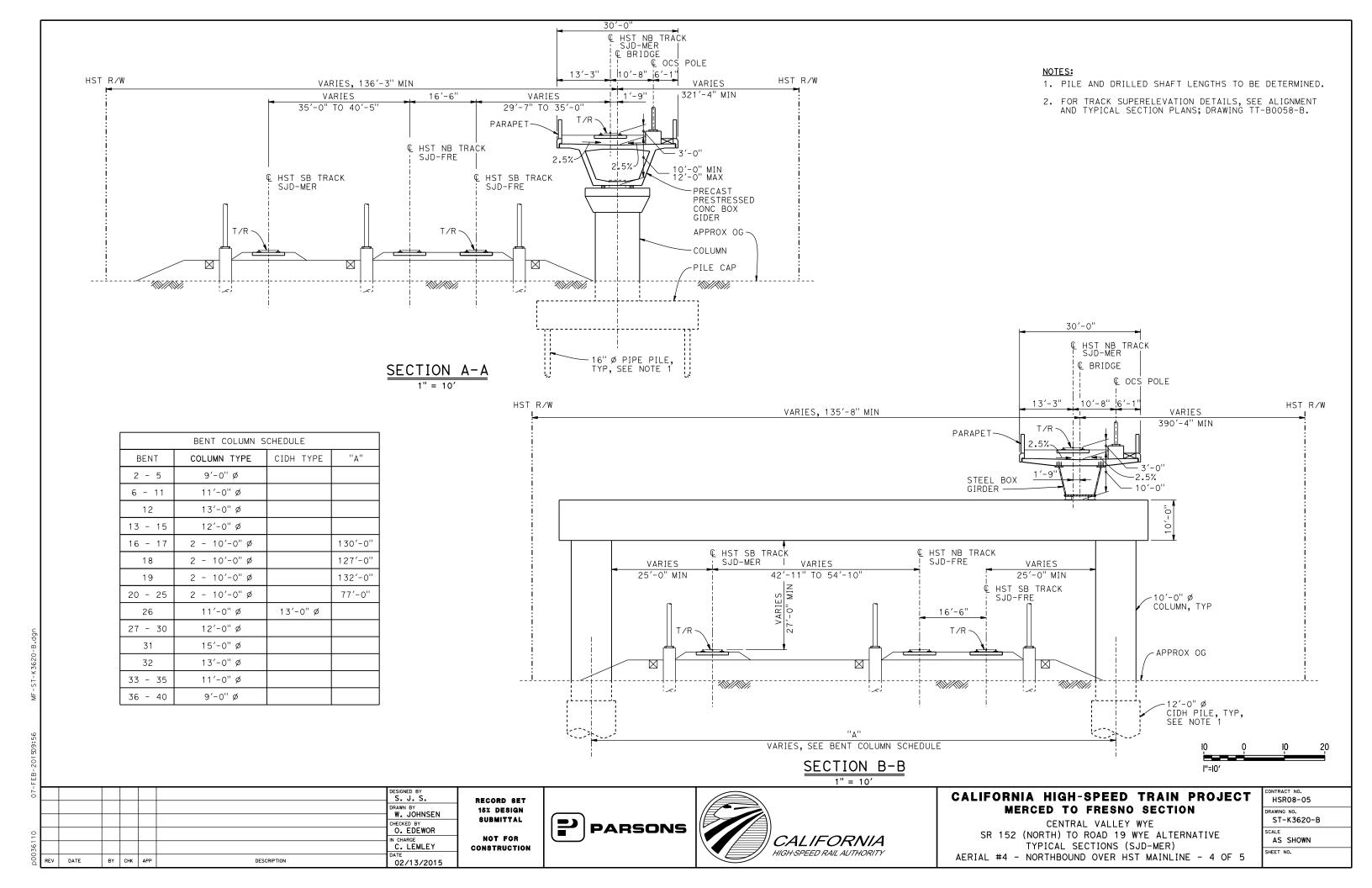
DESCRIPTION

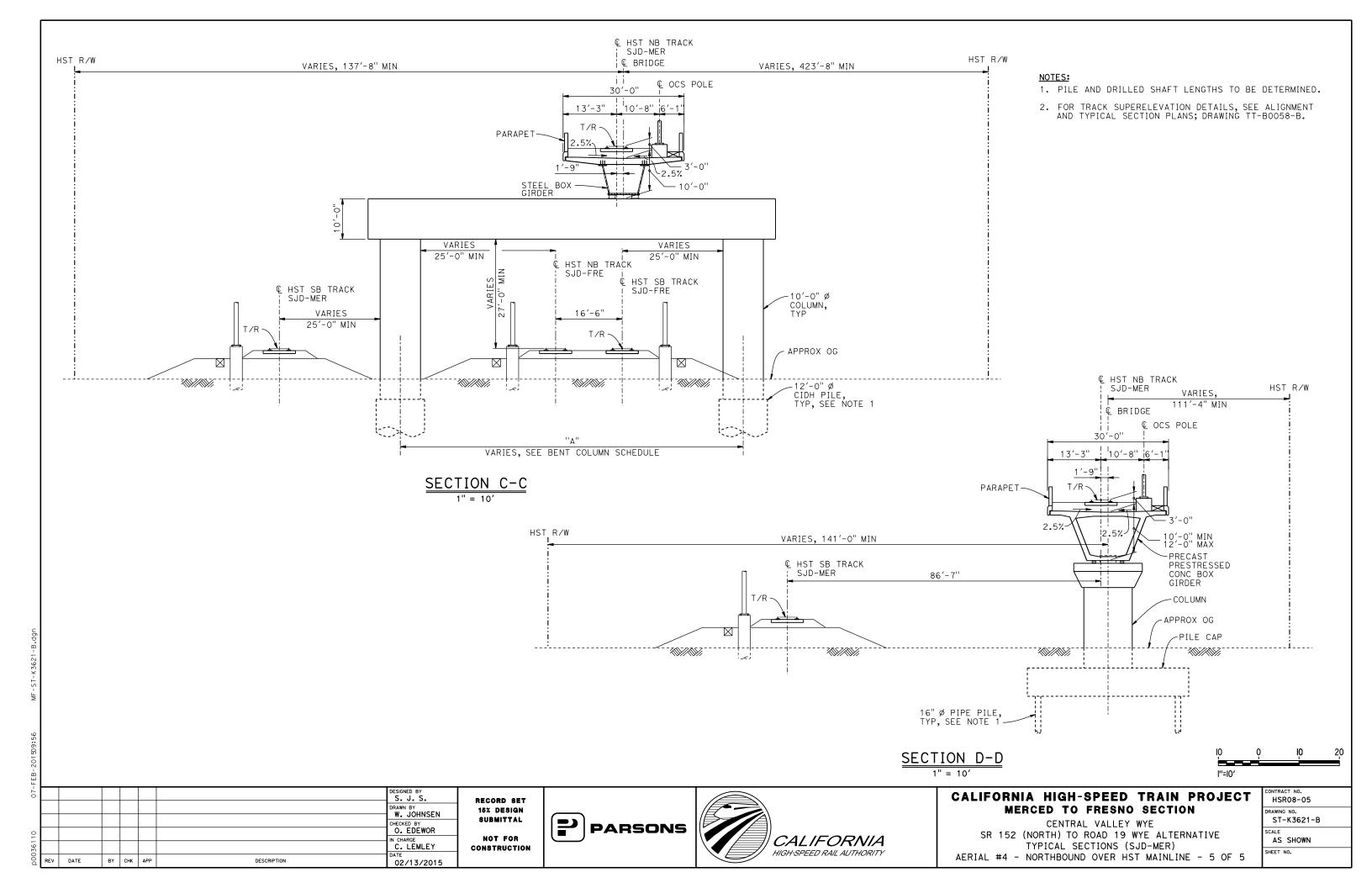
50 0 50 100 I"=50' 100 0 100 200 I"=100'

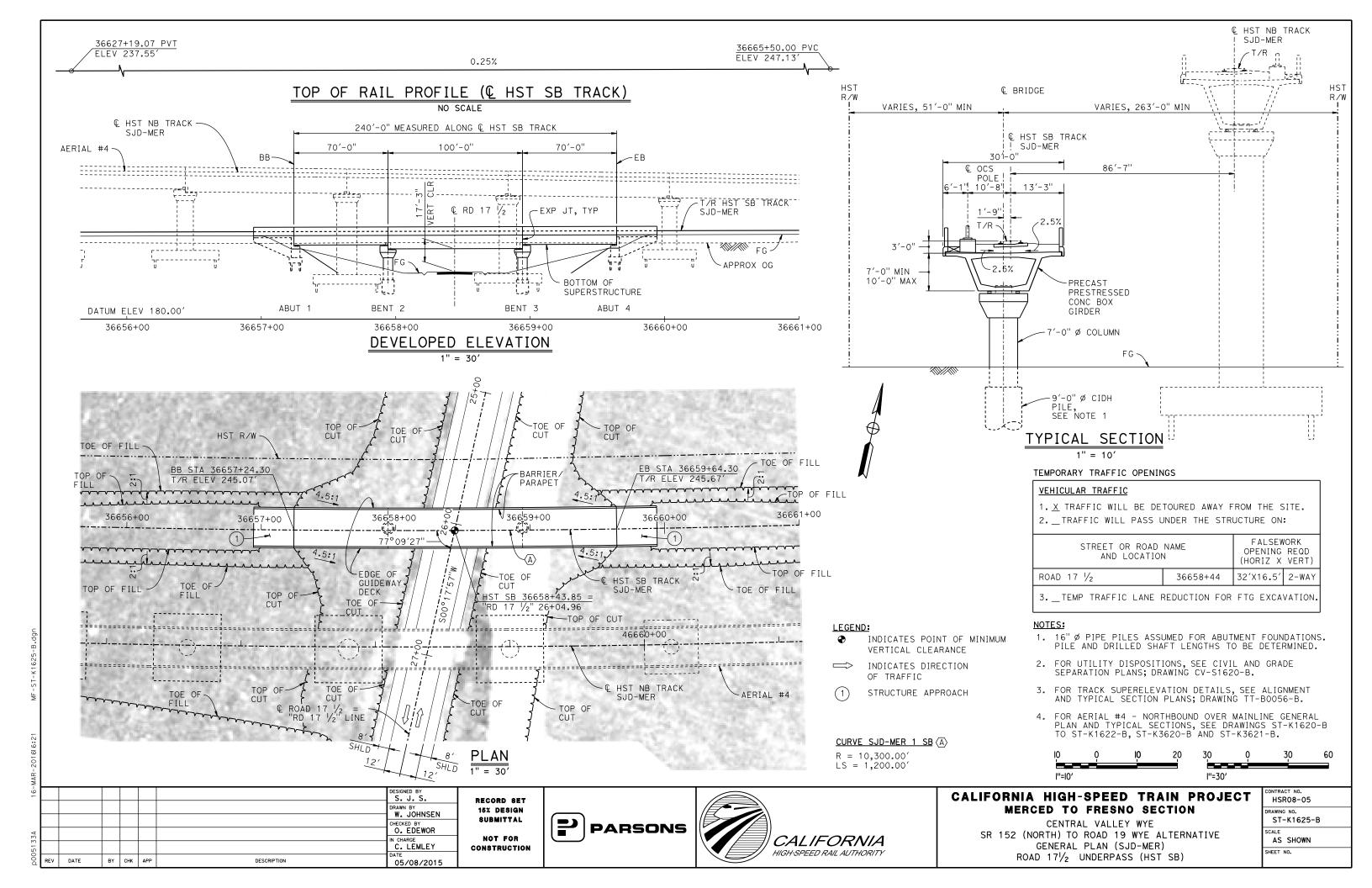
CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
GENERAL PLAN (SJD-MER)
AERIAL #4 - NORTHBOUND OVER HST MAINLINE - 3 OF 5

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K1622-B
SCALE
AS SHOWN
SHEET NO.







LEGEND: INDICATES POINT OF MINIMUM VERTICAL CLEARANCE 36698+25.00 PVC 36762+44.89 PVC 36709+75.00 PVT ELEV 285.25' ELEV 288.88' ELEV 292.40' INDICATES DIRECTION OF TRAFFIC -0.07% 1150.00' VC 1.31% STRUCTURE APPROACH R/C=-0.120%/STA (2) SLOPE PAVING (1/2H:1V) TOP OF RAIL PROFILE (& HST SB TRACK) NOTES: 1. 16" Ø PIPE PILES ASSUMED FOR ABUTMENT AND BENT NO SCALE FOUNDATIONS, UNLESS OTHERWISE NOTED. PILE LENGTHS TO BE DETERMINED. 1,330'-0" TOTAL LENGTH MEASURED ALONG € HST SB TRACK 2. FOR SECTIONS AND BENT COLUMN SCHEDULE, SEE BALANCED CANTILEVER DRAWING ST-K3630-B. CONSTRUCTION 3. ANY EXISTING DIRT ROAD THAT CONFLICTS WITH NEW 125'-0" 150'-0" 145'-0" 185'-0" 125'-0" 2 SPACES @ 140'-0" 120'-0" ,100'-0" CONSTRUCTION SHALL BE REALIGNED. BB 120'-0"=240'-0" 4. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1630-B. **Q** SR 99 NB (APPROX) € AVE 231/2/MADISON RD 5. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; (APPROX) DRAWING CV-S1630-B. T'R HST NB TRACK_EXP JT, TYP SR 99 SB HST SB TRACK, € FAIRMEAD BLVD (APPROX) (APPROX) 6. FOR RETAINING WALL, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-\$1630-B. 7. FOR AERIAL #6 - NORTHBOUND OVER UPRR / SR 99 GENERAL PLAN AND TYPICAL SECTION, SEE DRAWINGS ST-K1635-B AND ST-K3635-B. - APPROX OG BOTTOM OF SUPERSTRUCTURE TEMPORARY TRAFFIC OPENINGS AERIAL #6 VEHICULAR TRAFFIC BENT 2 BENT 3 BENT 4 BENT 5 BENT 6 BENT 8 ABUT 1 ABUT 11 BENT 7 BENT 9 BENT 10 1. _ TRAFFIC WILL BE DETOURED AWAY FROM THE SITE. DATUM ELEV 150.00' 36715+00 36700+00 36705+00 36710+00 2. X TRAFFIC WILL PASS UNDER THE STRUCTURE ON: DEVELOPED ELEVATION FALSEWORK ST OR ROAD NAME OPENING REQD VERT: 1" = 50' HORIZ: 1" = 100' AND LOCATION (HORIZ X VERT) CURVE SJD-MER 1 SB (A) 100'-0" AVE 231/2/MADISON RD 36702+30 32'X16.5' 2-WAY R = 10,300.00'UPRR R/W LS = 1,200.00SR 99 37'X16.5' S BND 36708+82 ROAD CLOSURE (APPROX) (SEE CIVIL AND GRADE SR 99 36710+88 37'X16.5' N BND SEPARATION PLANS; DRAWING CV-S1630-B FAIRMEAD BLVD 36711+76 | 32'X16.5' | 2-WAY FDGF OF € HST SB TRACK SJD-MER GUIDEWAY 3. _ TEMP TRAFFIC LANE REDUCTION FOR FTG EXC. LATERAL A TOF OF FILL BARRIER. FILL TOP OF FILL, TYP TEMPORARY TRAFFIC OPENINGS RAILROAD TRAFFIC FALSEWORK OPENING REQUIRED ON: FALSEWORK NAME OF RR AND LOCATION OPENING REQD FILL (HORIZ X VERT) AERIAL #6 -TOE OF GUARDRAIL KINDER MORGAN 12" PETROLEUM UPRR 36702+17 24'X21 FILL -PG&E 8" GAS PG&E SPRINT FIBER 100 200 AT&T TRENCHED, 4 DUCTS 1" = 100' 1"=50' DESIGNED BY CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR08-05 RECORD SET J. KIDWELL MERCED TO FRESNO SECTION 15% DESIGN SUBMITTAL CENTRAL VALLEY WYE O. EDEWOR **PARSONS**

CALIFORNIA

HIGH-SPEED RAIL AUTHORITY

NOT FOR

CONSTRUCTION

N CHARGE C. LEMLEY

03/18/2016

DATE

BY CHK APP

DESCRIPTION

CENTRAL VALLEY WYE

SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE

GENERAL PLAN (SJD-MER)

AERIAL #5 - SOUTHBOUND OVER UPRR / SR 99 - 1 OF 2

HSR08-05

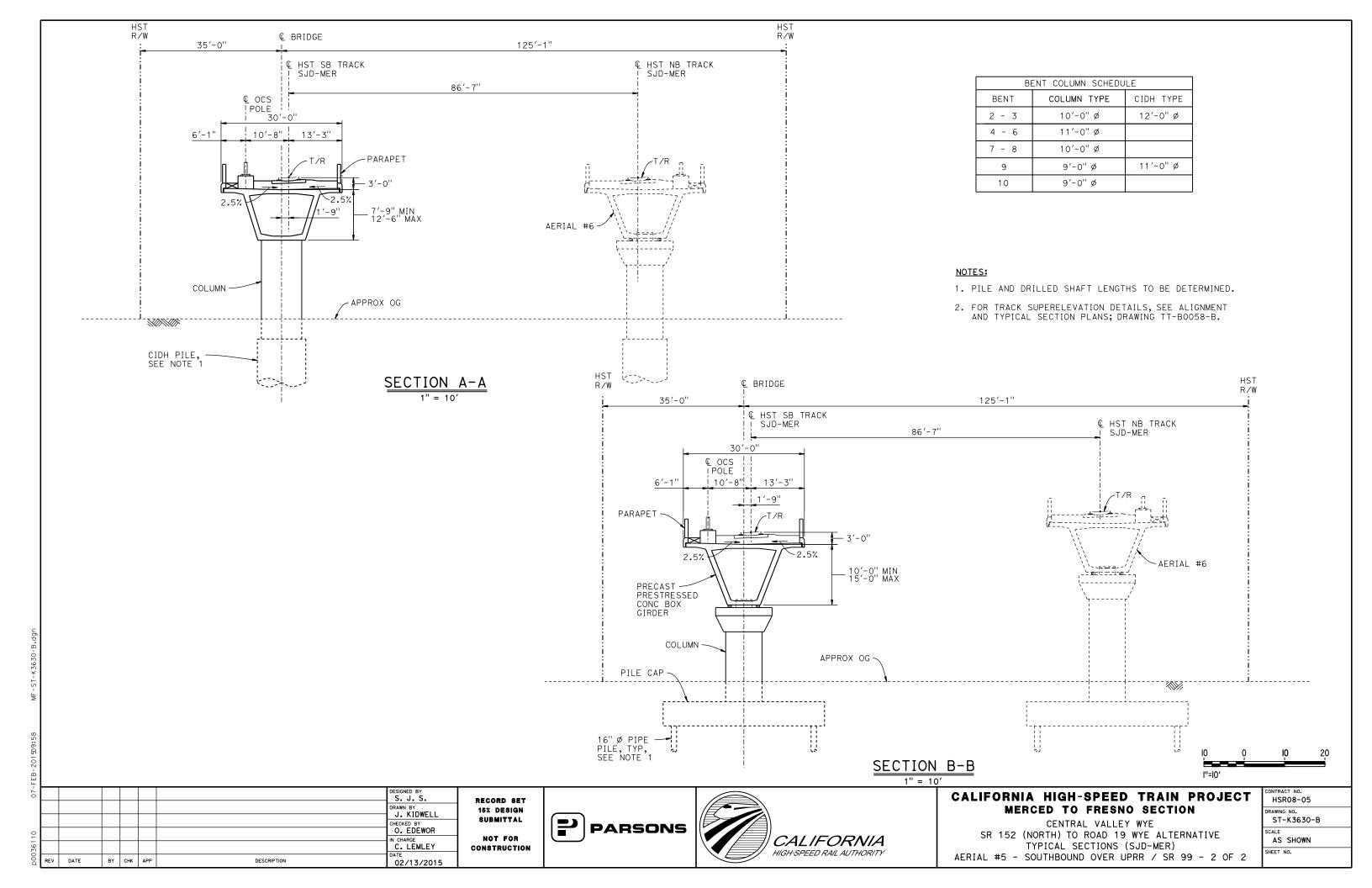
DRAWING NO.

ST-K1630-B

SCALE

AS SHOWN

SHEET NO.



46700+03.76 PVC ELEV 285.24'

1.30%

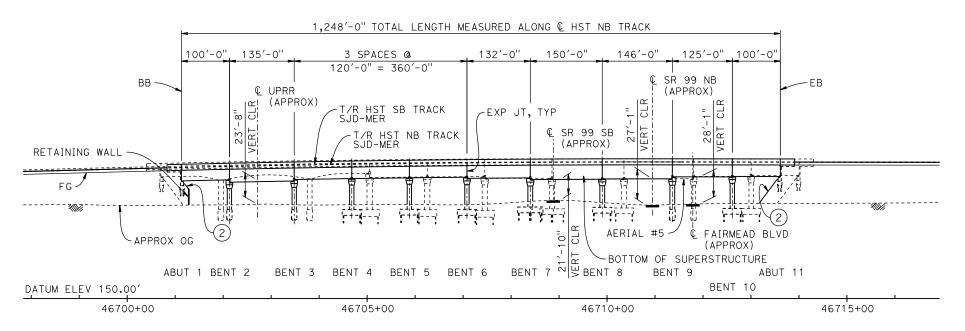
46711+53.76 PVT ELEV 292.34'

1150.00' VC

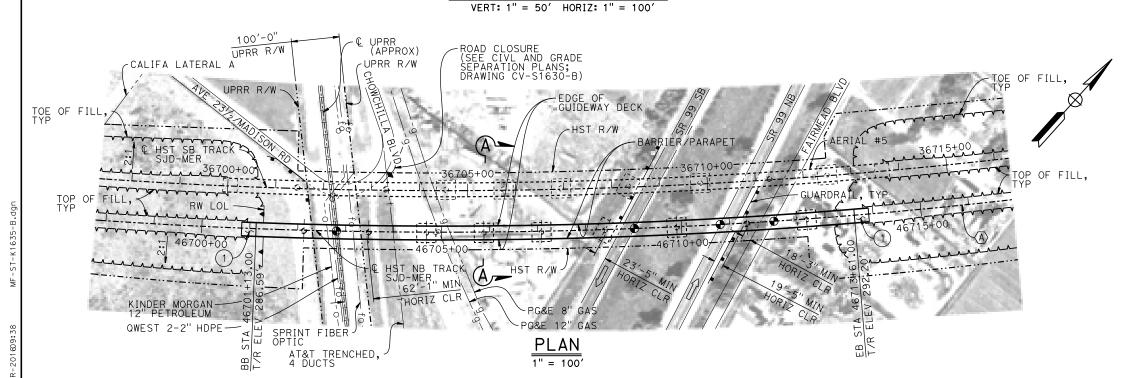
R/C=-0.119%/STA

TOP OF RAIL PROFILE (& HST NB TRACK)

NO SCALE



DEVELOPED ELEVATION



LEGEND:

- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- □ INDICATES DIRECTION OF TRAFFIC
- (1) STRUCTURE APPROACH
- 2 SLOPE PAVING $(1\frac{1}{2}H:1V)$

NOTES:

- 1. 16" Ø PIPE PILES ASSUMED FOR ABUTMENT AND BENT FOUNDATIONS, UNLESS OTHERWISE NOTED. PILE LENGTHS TO BE DETERMINED.
- 2. FOR SECTION AND BENT COLUMN SCHEDULE, SEE DRAWING ST-K3635-B.
- 3. ANY EXISTING DIRT ROAD THAT CONFLICTS WITH NEW CONSTRUCTION SHALL BE REALIGNED.
- 4. FOR UTILITY DISPOSITIONS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1630-B.
- 5. FOR GUARDRAILS, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1630-B.
- 6. FOR RETAINING WALL, SEE CIVIL AND GRADE SEPARATION PLANS; DRAWING CV-S1630-B.
- 7. FOR AERIAL #5 SOUTHBOUND OVER UPRR / SR 99 GENERAL PLAN AND TYPICAL SECTIONS, SEE DRAWINGS ST-K1630-B AND ST-K3630-B.

TEMPORARY TRAFFIC OPENINGS

VEHICULAR TRAFFIC						
1TRAFFIC WILL BE DE	Y FROM THE	E SITE.				
2. X TRAFFIC WILL PASS UNDER THE STRUCTURE ON:						
ST OR ROAD NAM	FALSEW OPENING (HORIZ X	REQD				
SR 99	46708+88	37′X16.5′	S BND			
SR 99	46710+94	37′X16.5′	N BND			
FAIRMEAD BLVD	46711+81	32′X16.5′	2-WAY			

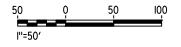
3. TEMP TRAFFIC LANE REDUCTION FOR FTG EXC.

TEMPORARY TRAFFIC OPENINGS

RAILROAD TRAFFIC FALSEWORK OPENIN	IG REQUIRE	D ON:		
NAME OF RR AND LOCATION OPENING (HORIZ X				
UPRR	46702+81	24′X21′		

CURVE SJD-MER 1 NB (A)

R = 10,386.50' LS = 1,200.00'





						DESIGNED BY	
						DRAWN BY	İ
						CHECKED BY	İ
						O. EDEWOR IN CHARGE	İ
						C. LEMLEY	•
REV	DATE	BY	СНК	APP	DESCRIPTION	03/19/2016	ı

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

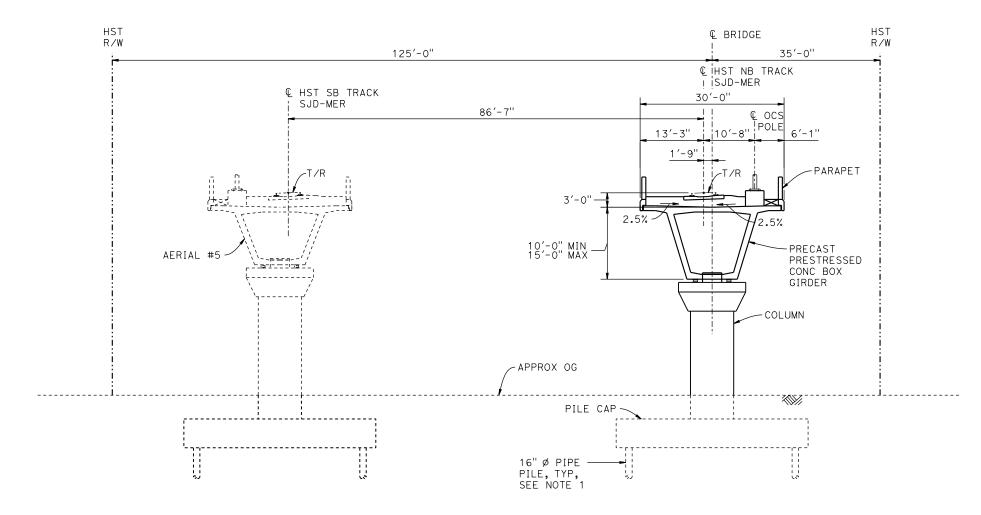




CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
GENERAL PLAN (SJD-MER)
AERIAL #6 - NORTHBOUND OVER UPRR / SR 99 - 1 OF 2

CONTRACT NO.
HSRO8-05
DRAWING NO.
ST-K1635-B
SCALE
AS SHOWN
SHEET NO.



 $\frac{\mathsf{SECTION} \quad \mathsf{A} - \mathsf{A}}{\mathsf{1"} = \mathsf{10'}}$

	BENT COLUMN SCHEDULE		
BENT	COLUMN TYPE	CIDH TYPE	
2 - 3	9'-0" ø	11'-0" Ø	
4 - 6	9'-0" ø		
7 - 8	10'-0" Ø		
9	10'-0" ø	12'-0" Ø	
10	9'-0" ø		

NOTES:

- 1. PILE AND DRILLED SHAFT LENGTHS TO BE DETERMINED.
- 2. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWING TT-B0058-B.

IO	o O	ΙO	20
l''=l0′			

16-MAF							DESIGNED BY	l
							DRAWN BY J. KIDWELL	16
3A							CHECKED BY O. EDEWOR	s
m							IN CHARGE C. LEMLEY	COI
p0051	REV	DATE	BY	снк	APP	DESCRIPTION	DATE 05/08/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION

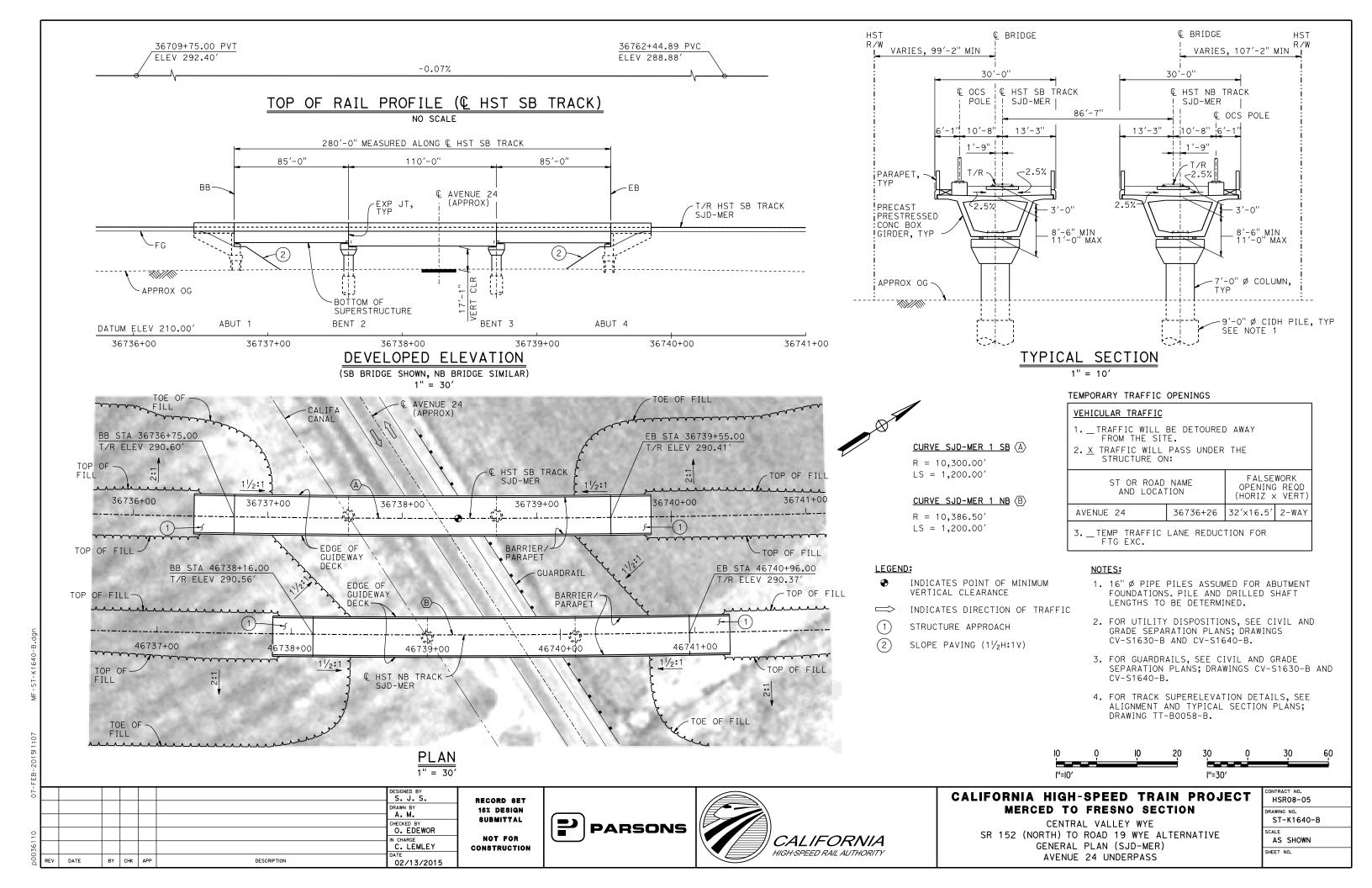


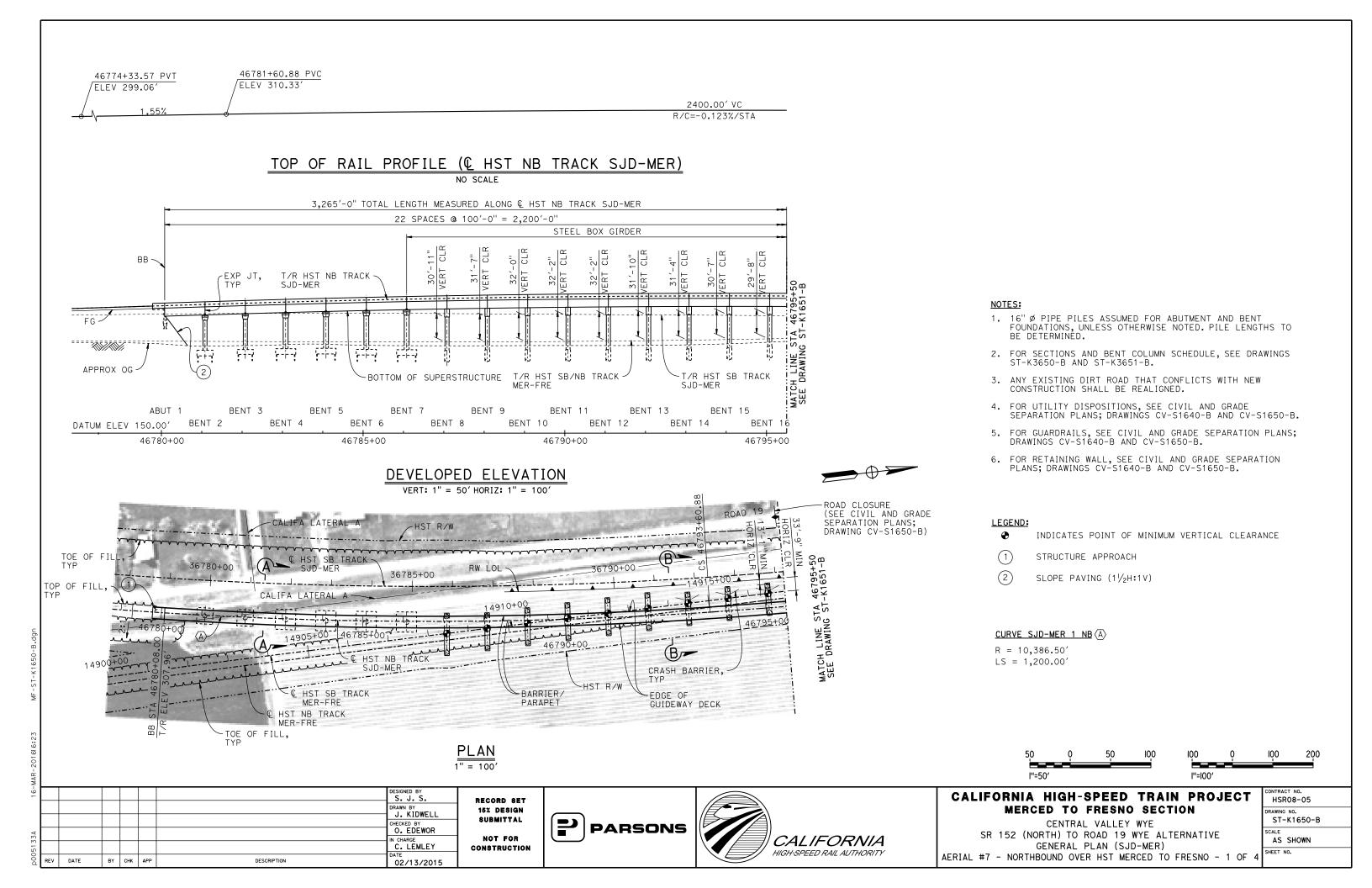


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

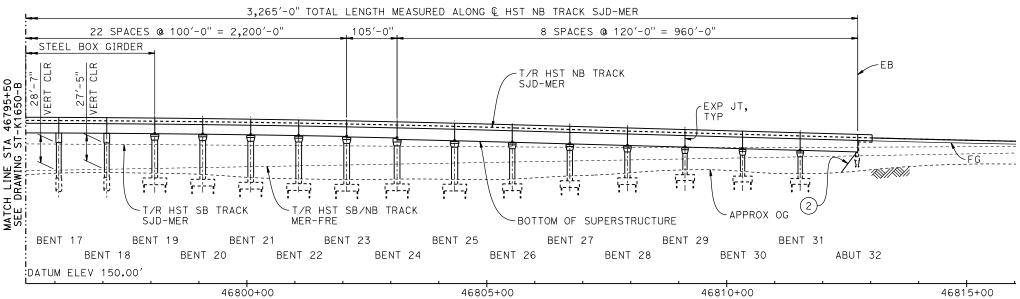
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE
TYPICAL SECTION (SJD-MER)
AERIAL #6 - NORTHBOUND OVER UPRR / SR 99 - 2 OF 2

CONTRACT NO.
HSR08-05
DRAWING NO.
ST-K3635-B
SCALE
AS SHOWN
SHEET NO.



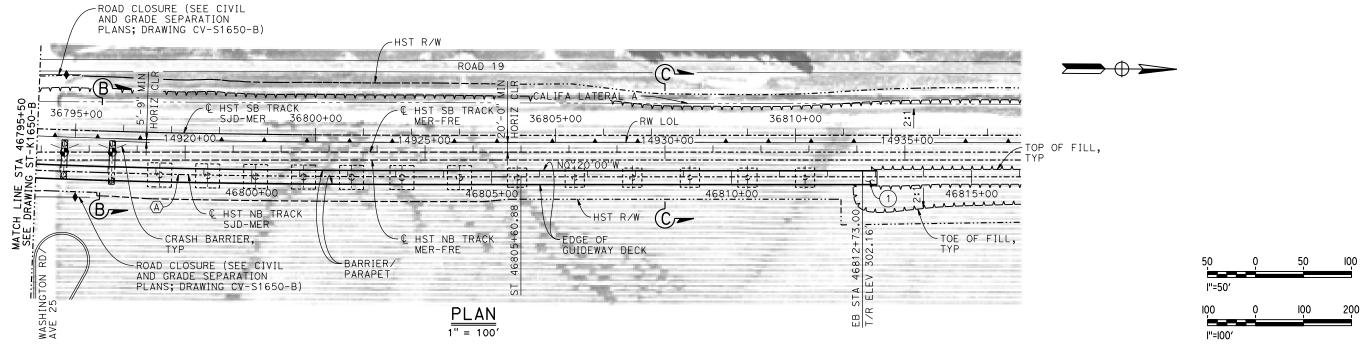


TOP OF RAIL PROFILE (HST NB TRACK SJD-MER)



DEVELOPED ELEVATION

VERT: 1" = 50' HORIZ: 1" = 100'



9							DESIGNED BY	250022 057
							DRAWN BY J. KIDWELL	RECORD SET 15% Design
۵							CHECKED BY O. EDEWOR	SUBMITTAL
5133A							IN CHARGE C. LEMLEY	NOT FOR CONSTRUCTION
D0051	REV	DATE	BY	снк	APP	DESCRIPTION	DATE 02/13/2015	

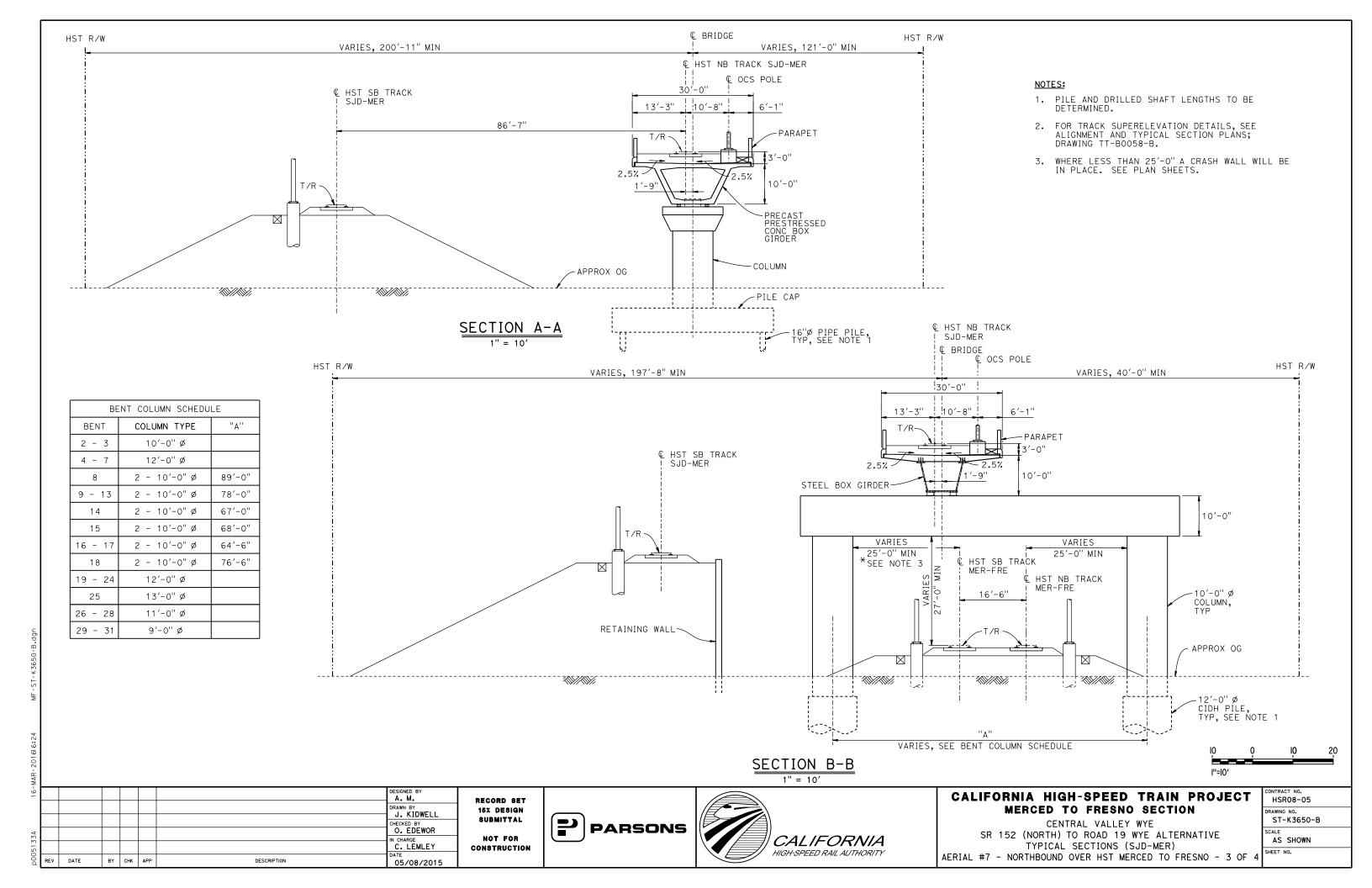




CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

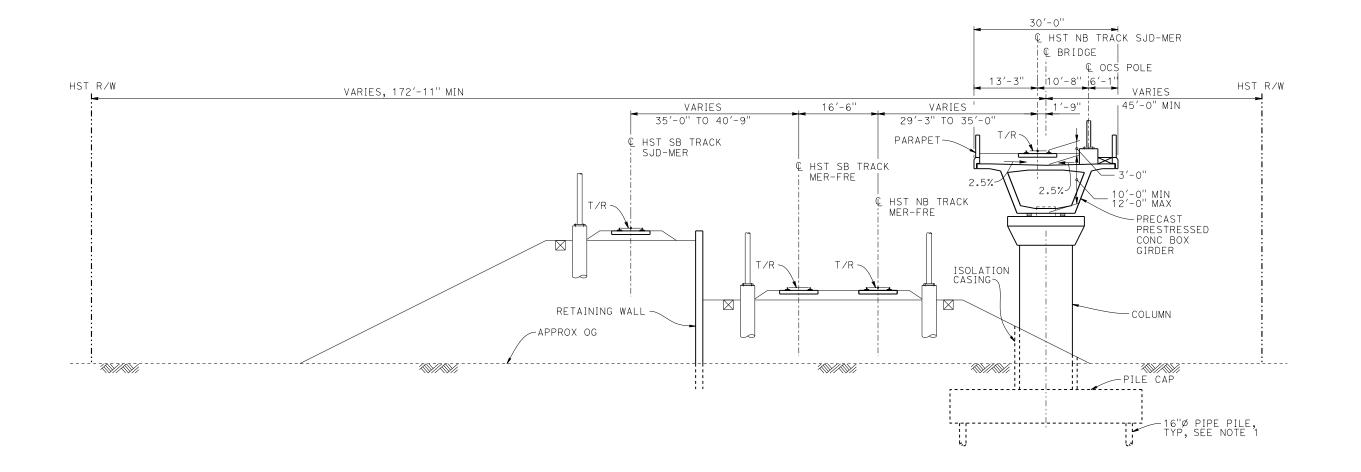
CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE GENERAL PLAN (SJD-MER) AERIAL #7 - NORTHBOUND OVER HST MERCED TO FRESNO - 2 OF 4

CONTRACT NO. HSR08-05
DRAWING NO. ST-K1651-B
AS SHOWN
SHEET NO.



NOTES:

- 1. PILE LENGTHS TO BE DETERMINED.
- 2. FOR TRACK SUPERELEVATION DETAILS, SEE ALIGNMENT AND TYPICAL SECTION PLANS; DRAWING TT-B0058-B.



 $\frac{\text{SECTION } C-C}{1'' = 10'}$



MA								
16-							DESIGNED BY A. M.	R
							DRAWN BY J. KIDWELL	1
0							CHECKED BY O. EDEWOR	
5133a							IN CHARGE C. LEMLEY	co
p005	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/13/2015	

RECORD SET
15% DESIGN
SUBMITTAL
NOT FOR
CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE

SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE

TYPICAL SECTION (SJD-MER)

AERIAL #7 - NORTHBOUND OVER HST MERCED TO FRESNO - 4 OF 4

•	CONTRACT NO. HSR08-05
	DRAWING NO. ST-K3651-B
	SCALE AS SHOWN
	SHEET NO.