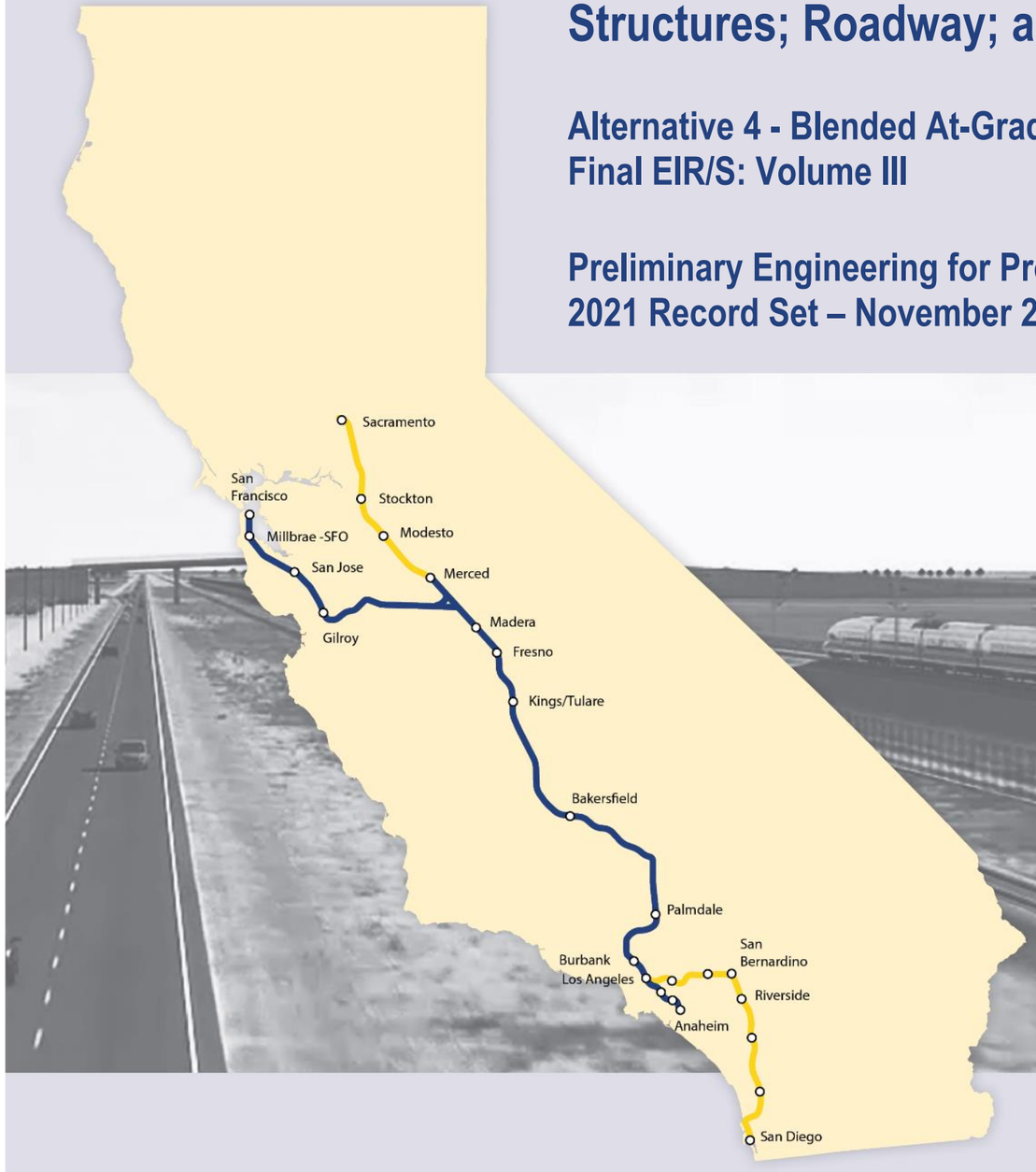
California High-Speed Rail Authority

San Jose to Merced Project Section: *San Jose to Central Valley Wye*



Structures; Roadway; and Maintenance of Way

Alternative 4 - Blended At-Grade to Downtown Gilroy
Final EIR/S: Volume III

Preliminary Engineering for Project Definition
2021 Record Set – November 2021

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 91 TO 114 OF 176

CALIFORNIA High-Speed Rail Authority

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being or have been carried out by the State of California pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated July 23, 2019, and executed by the Federal Railroad Administration and the State of California.

ALTERNATIVE 4 - CP COAST TO DOWNTOWN GILROY

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK 4D	A	COVER	SAN JOSE TO MERCED SECTION	N/A	SAN JOSE TO CENTRAL VALLEY WYE	ALTERNATIVE 4	
BOOK 4D	B	GE-A0404	ENTIRE ALTERNATIVE	COMPLEX STRUCTURES, GRADE SEPARATIONS, MAINTENANCE OF WAY	INDEX OF DRAWING	SHEET 4 OF 6	
BOOK 4D	C	GE-D0401	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	
BOOK 4D	D	GE-D0402	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEMS SITES	SHEET 1 OF 2
STRUCTURES							
BOOK 4D	91	ST-T4001	CP COAST TO GILROY	I-280 TO HWY 87	BLENDED AT-GRADE ALTERNATIVE	UNDERPASSES	GENERAL PLAN 1 OF 4
BOOK 4D	92	ST-T4002	CP COAST TO GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	UNDERPASSES	GENERAL PLAN 2 OF 4
BOOK 4D	93	ST-T4003	CP COAST TO GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	UNDERPASSES	GENERAL PLAN 3 OF 4
BOOK 4D	94	ST-T4004	CP COAST TO GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	UNDERPASSES	GENERAL PLAN 4 OF 4
BOOK 4D	95	ST-V4001	CP COAST TO GILROY	UPRR	BLENDED AT-GRADE ALTERNATIVE	COMPLEX STRUCTURES	GENERAL PLAN
BOOK 4D	96	ST-V1401	PACHECO PASS	CALIFORNIA AQUEDUCT TO CCID OUTSIDE CANAL	TUNNEL	COMPLEX STRUCTURES	GENERAL PLAN
BOOK 4D	97	ST-V1601	SAN JOAQUIN VALLEY	SAN LUIS WASTEWAY TO LOS BANOS CREEK	HENRY MILLER ROAD	COMPLEX STRUCTURES	GENERAL PLAN
ROADWAY							
MORGAN HILL AND GILROY (CP COAST TO GILROY)							
BOOK 4D	98	CV-S4001	CP COAST TO GILROY	EMADO AVE TO FOX LANE	BLENDED AT-GRADE ALTERNATIVE	CIVIL DETAILS	
PACHECO PASS							
BOOK 4D	99	CV-S1401	PACHECO PASS	ROMERO RD TO CA-152	TUNNEL	CIVIL DETAILS	
SAN JOAQUIN VALLEY							
BOOK 4D	100	CV-S1601	SAN JOAQUIN VALLEY	MONTEREY RD TO INGOMAR GRADE	HENRY MILLER ROAD	CIVIL DETAILS	
BOOK 4D	101	CV-T1603	SAN JOAQUIN VALLEY	VOLTA RD TO HENRY MILLER RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	HENRY MILLER ROAD
BOOK 4D	102	CV-T1604	SAN JOAQUIN VALLEY	HENRY MILLER ACCESS	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	HENRY MILLER ACCESS
BOOK 4D	103	CV-T1606	SAN JOAQUIN VALLEY	HENRY MILLER RD TO MERCEY SPRINGS RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	MERCEY SPRINGS ROAD
BOOK 4D	104	CV-T1609	SAN JOAQUIN VALLEY	DELTA RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	DELTA ROAD
BOOK 4D	105	CV-T1610	SAN JOAQUIN VALLEY	TURNER ISLAND RD TO HENRY MILLER RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	TURNER ROAD
BOOK 4D	106	CV-T1611	SAN JOAQUIN VALLEY	CARLUCCI RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	CARLUCCI ROAD
BOOK 4D	107	CV-T1612	SAN JOAQUIN VALLEY	HUTCHINS RD	HENRY MILLER ROAD	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	HUTCHINS ROAD
MAINTENANCE OF WAY							
BOOK 4D	108	MY-D4100	CP COAST TO GILROY	CARNADERO AVE TO UPRR	BLENDED AT-GRADE ALTERNATIVE	MOWF DETAIL	SHEET 1 OF 4
BOOK 4D	109	MY-D4101	CP COAST TO GILROY	BLOOMFIELD RD	BLENDED AT-GRADE ALTERNATIVE	MOWF DETAIL	SHEET 2 OF 4
BOOK 4D	110	MY-D4102	CP COAST TO GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	MOWF DETAIL	SHEET 3 OF 4
BOOK 4D	111	MY-D4103	CP COAST TO GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	MOWF DETAIL	SHEET 4 OF 4
BOOK 4D	112	MY-D4104	CP COAST TO GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	UPRR PROFILE FOR MOWF	SHEET 1 OF 2
BOOK 4D	113	MY-D4105	CP COAST TO GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	UPRR PROFILE FOR MOWF	SHEET 2 OF 2
BOOK 4D	114	MY-D4106	CP COAST TO GILROY	N/A	BLENDED AT-GRADE ALTERNATIVE	MAINTENANCE OF WAY FACILITY	UPRR AND MOWF ACCESS GEOMETRIES

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET B

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
DRAWN BY
CHECKED BY
IN CHARGE
DATE

2021 RECORD SET PEPD

NOVEMBER 30, 2021

NOT FOR CONSTRUCTION

HNTB
1111 Broadway
9th Floor
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
ALTERNATIVE 4
INDEX OF DRAWING
SHEET 4 OF 6

CONTRACT NO. HSR15-34
DRAWING NO. GE-A0404
SCALE NONE
SHEET NO.

ALTERNATIVE 4 BOOK INDEX

NOTE:

ALTERNATIVE KEY MAP SHOWN SIDE BY SIDE FOR CLARITY.

LEGEND

KEY MAP LEGEND

Symbol	Description
SID-XX	AERIAL ORTHO-PHOTO
DXXXX	COMPOSITE ROLL PLOTS
TXXXX	GRADE SEPARATION ROLL PLOTS
TN-DXXXX	TUNNEL ROLL PLOTS
ST-TXXXX	STRUCTURES ROLL PLOTS
	SECTION BREAK
	CITY LIMITS
	COUNTY LINE
ALMADEN RD	EXISTING ROAD

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET C

2021 RECORD SET PEPD

NOVEMBER 30, 2021

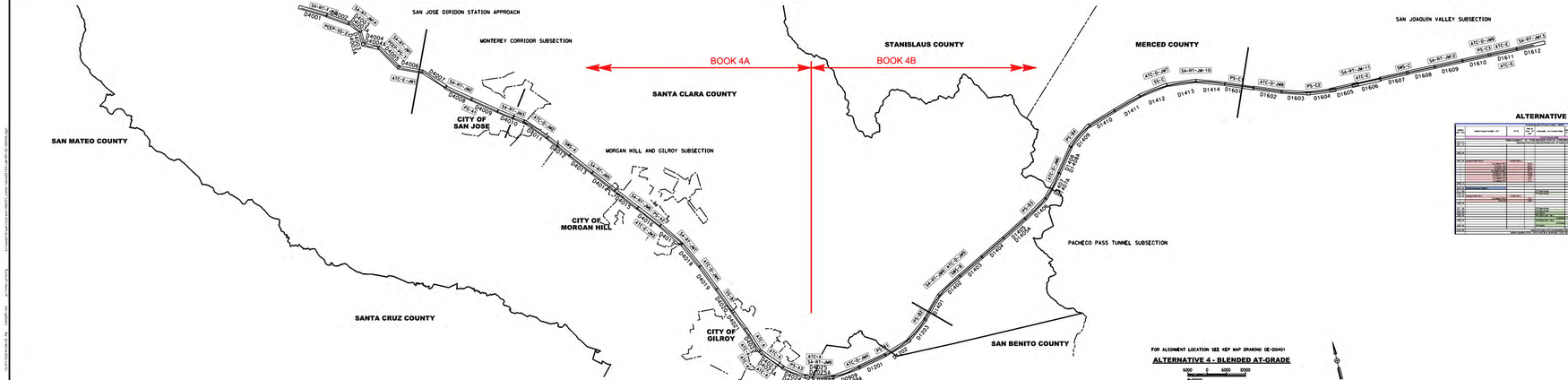
NOT FOR CONSTRUCTION

HNTB 1111 Broadway 9th Floor Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

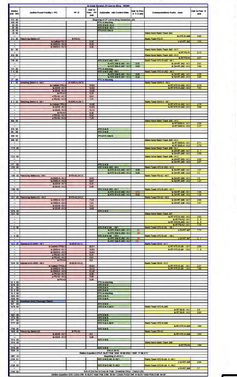
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
ALTERNATIVE 4
KEY MAP
COMPOSITE PLAN

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-D0401
SCALE	AS SHOWN
SHEET NO.	

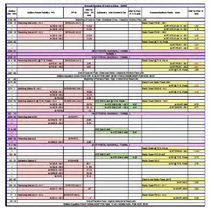


ALTERNATIVE 4

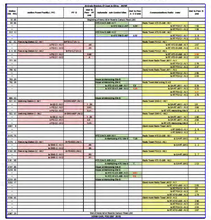
ALTERNATIVE 4 (CONTINUED)



ALTERNATIVE 4 (CONTINUED)

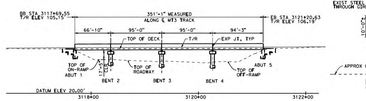


ALTERNATIVE 4 (CONTINUED)

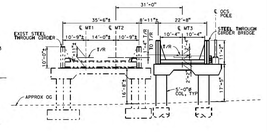


SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET D

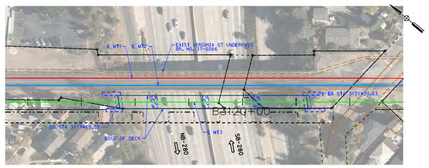
ISSUED FOR RECORD SET - PDF#		CALIFORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. MGR15-34
NOVEMBER 30, 2020	HNTB 111 Broadway Suite 1200 Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	DRAWING NO. GE-00402
NOT FOR CONSTRUCTION		SAN JOSE TO MERCED GENERAL KEY MAP SYSTEMS SITES	SCALE AS SHOWN
			SHEET NO.



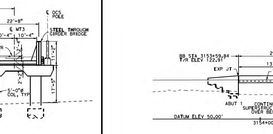
ELEVATION - I-280
SCALE: 1"=80'



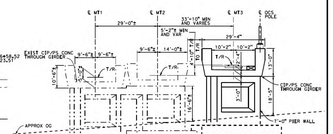
TYPICAL SECTION AT BENT 2
SCALE: 1"=20'



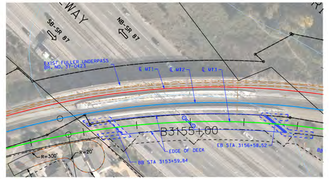
PLAN - I-280
SCALE: 1"=80'



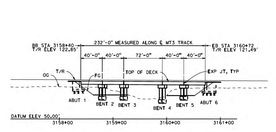
ELEVATION - SR-87
SCALE: 1"=80'



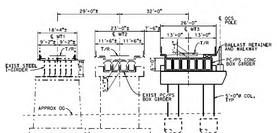
TYPICAL SECTION AT BENT 2
SCALE: 1"=20'



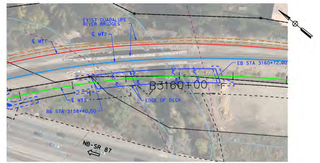
PLAN - SR-87
SCALE: 1"=80'



ELEVATION - GUADALUPE RIVER
SCALE: 1"=80'



TYPICAL SECTION AT BENT 4
SCALE: 1"=20'



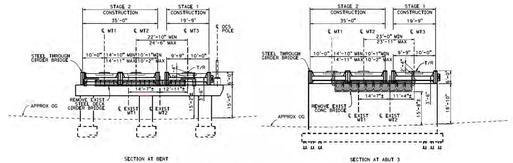
PLAN - GUADALUPE RIVER
SCALE: 1"=80'

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 91 OF 176

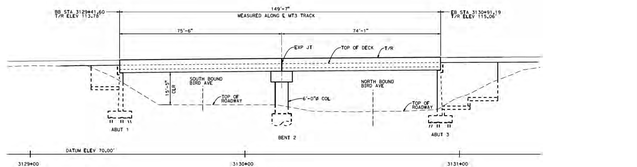
100% RECORD SET PDFS		CONTRACT NO.	MSR15-34
NOVEMBER 30, 2020	MNTB 555 Broadway Suite 1000 Oakland, CA 94607	DESIGN BY	ST-T4001
NOT FOR CONSTRUCTION		DRAWN BY	AS SHOWN
		CHECKED BY	

CALIFORNIA High-Speed Rail Authority

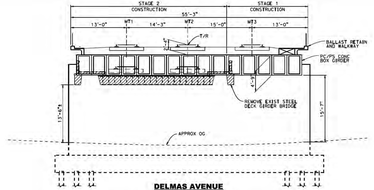
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
CP COAST TO GILROY
BLENDED AT-GRADE ALTERNATIVE
UNDERPASSES
GENERAL PLAN 1 OF 4



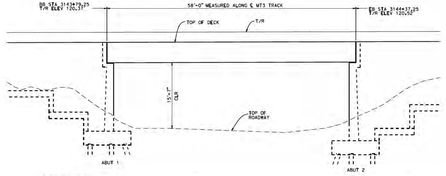
BIRD AVENUE
SCALE: 1" = 20'



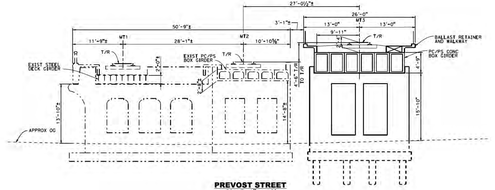
ELEVATION
SCALE: 1" = 20'



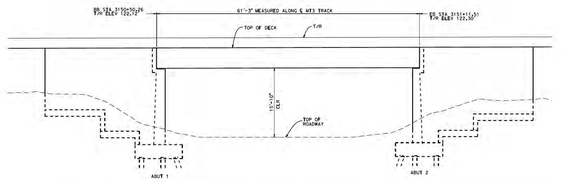
DELMAS AVENUE
SCALE: 1" = 10'



ELEVATION
SCALE: 1" = 10'



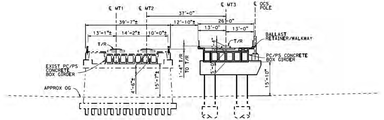
PREVOST STREET
SCALE: 1" = 10'



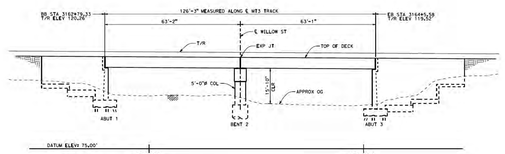
ELEVATION
SCALE: 1" = 10'

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 92 OF 176

0001 RECORD SET PDF'S NOVEMBER 30, 2020 NOT FOR CONSTRUCTION	HNTB 1111 Broadway Suite 1200 Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED CP COAST TO GILROY BLENDED AT-GRADE ALTERNATIVE UNDERPASSES GENERAL PLAN 2 OF 4	CONTRACT NO. HSR15-54 DESIGN BY ST-T4002 DRAWN BY AS SHOWN CHECK BY

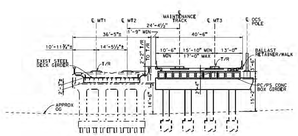


TYPICAL SECTION AT BENT 2
SCALE 1" = 20'

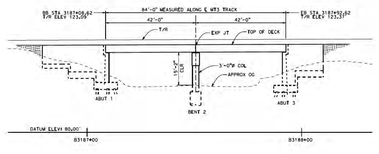


ELEVATION - WILLOW ST
SCALE 1" = 20'

0 10 20
PVDY

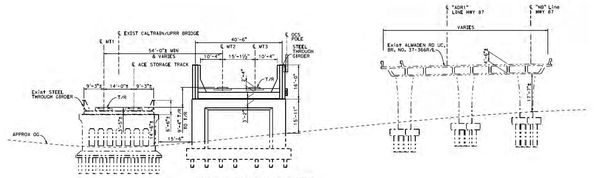


TYPICAL SECTION AT BENT 2
SCALE 1" = 20'

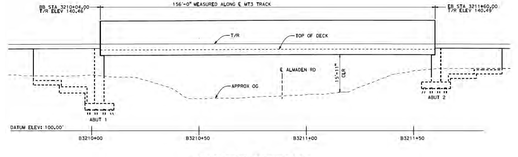


ELEVATION - ALMA
SCALE 1" = 20'

0 10 20
PVDY



TYPICAL SECTION AT ABUT 2
SCALE 1" = 20'

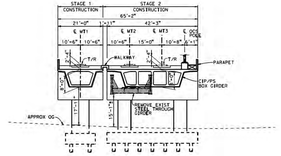


ELEVATION - ALMADEN RD
SCALE 1" = 20'

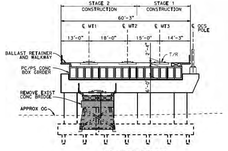
0 10 20
PVDY

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 93 OF 176

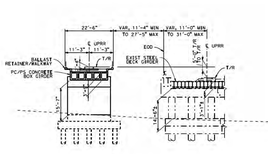
0001 RECORD SET PDF'S	HNTB 111 Broadway Suite 1200 Oakland CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED CP COAST TO GILROY BLENDED AT-GRADE ALTERNATIVE UNDERPASSES GENERAL PLAN 3 OF 4
NOVEMBER 30, 2020			CONTRACT No. WSR15-34
NOT FOR CONSTRUCTION			DRAWING No. ST-74003
			SCALE AS SHOWN
			SHEET No.



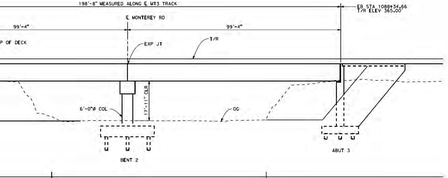
MONTEREY ROAD
SCALE 1" = 20'



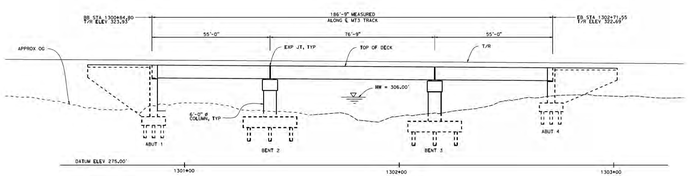
LLAGAS CREEK
SCALE 1" = 20'



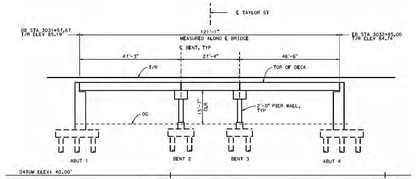
TAYLOR ST UPRR
SCALE 1" = 20'



ELEVATION
SCALE 1" = 20'



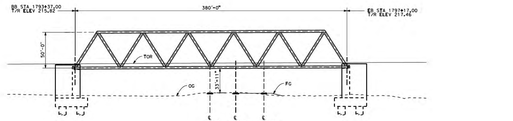
ELEVATION
SCALE 1" = 20'



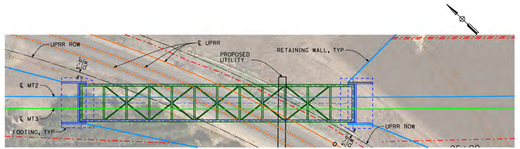
ELEVATION
SCALE 1" = 20'

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 34 OF 176

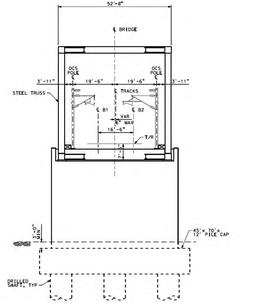
0001 RECORD SET PDF'S NOVEMBER 30, 2020 NOT FOR CONSTRUCTION	HNTB 111 Broadway Suite 1200 Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED CP COAST TO GILROY BLENDED AT-GRADE ALTERNATIVE UNDERPASSES GENERAL PLAN 4 OF 4	CONTRACT NO. HSR15-54 DESIGN BY ST-T4004 DRAWN BY AS SHOWN CHECK BY



ELEVATION
SCALE: 1" = 60'



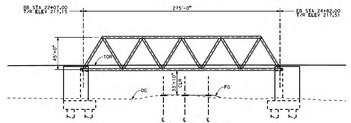
PLAN
SCALE: 1" = 60'



TYPICAL SECTION
SCALE: 1" = 20'

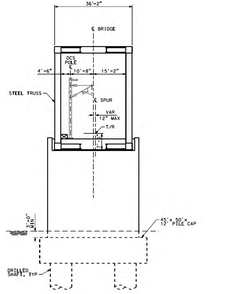
10 0 10 20
P-20

TRUSS: 2 HSR TRACKS OVER 3 UPRR TRACKS



ELEVATION
SCALE: 1" = 60'

PLAN
SCALE: 1" = 60'



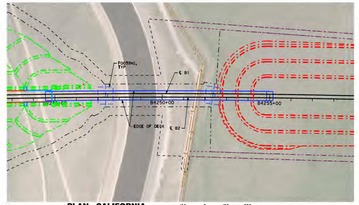
TYPICAL SECTION
SCALE: 1" = 20'

10 0 10 20
P-20

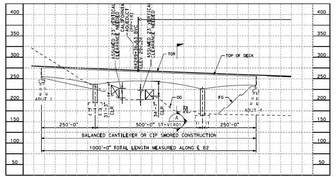
TRUSS: MOWF SPUR TRACK OVER 3 UPRR TRACKS

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 95 OF 176

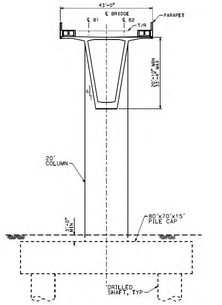
90% RECORD SET PSPS NOVEMBER 30, 2020 NOT FOR CONSTRUCTION	MNTB 101 Mission Street, Suite 1650 San Francisco, CA 94105	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED CP COAST TO GILROY BLENDED AT-GRADE ALTERNATIVE COMPLEX STRUCTURES GENERAL PLAN	CONTRACT NO. HSR15-54 DRAWING NO. ST-Y4001 SCALE AS SHOWN SHEET NO.

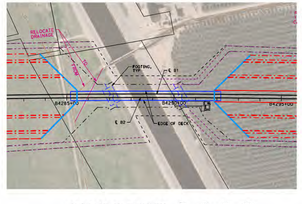


PLAN - CALIFORNIA AQUEDUCT
SCALE= 1"=200'

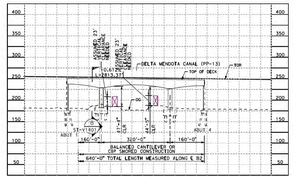


PROFILE - CALIFORNIA AQUEDUCT
SCALE= 1"=200' HOR, 1"=100' VERT

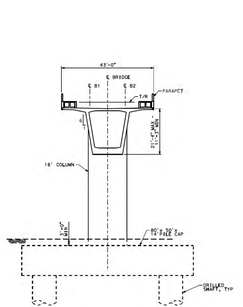


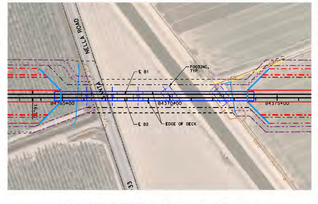


PLAN - DELTA MENDOTA
SCALE= 1"=200'

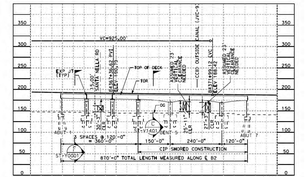


PROFILE - DELTA MENDOTA
SCALE= 1"=200' HOR, 1"=100' VERT

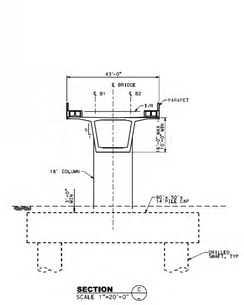




PLAN - CCID OUTSIDE CANAL
SCALE= 1"=200'



PROFILE - CCID OUTSIDE CANAL
SCALE= 1"=200' HOR, 1"=100' VERT



NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-00001 AND GE-00002 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 96 OF 176

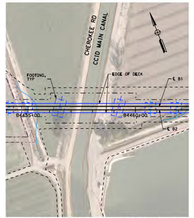
100% RECORD SET PDFS	
NOVEMBER 30, 2020	
NOT FOR CONSTRUCTION	

HNTB — 1111 Broadway, Suite 1200, Oakland, CA 94607

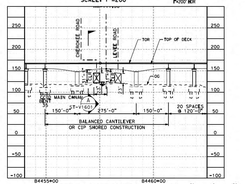
CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
PACHECO PASS
TUNNEL
COMPLEX STRUCTURES
GENERAL PLAN

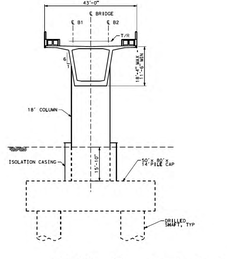
CONTRACT NO. HSR15-54
DESIGN BY: ST-V1401
DRAWN BY: AS, SIMONI
CHECK BY:



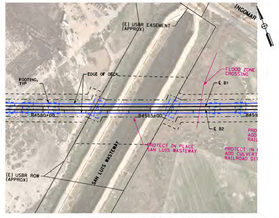
PLAN - CHEROKEE (LEVEE) RD
SCALE: 1"=200'



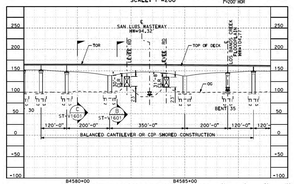
PROFILE - CHEROKEE (LEVEE) RD
SCALE: 1"=200' HOR, 1"=100' VERT



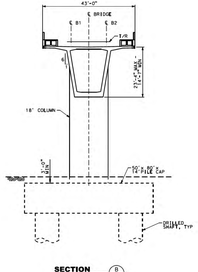
SECTION
SCALE: 1"=20'-0"



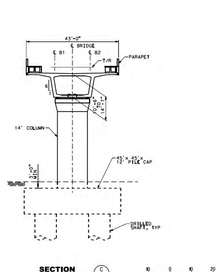
PLAN - SAN LUIS WASTEWAY
SCALE: 1"=200'



PROFILE - SAN LUIS WASTEWAY
SCALE: 1"=200' HOR, 1"=100' VERT

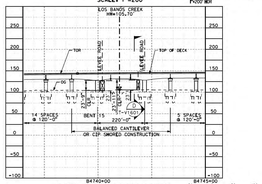


SECTION
SCALE: 1"=20'-0"

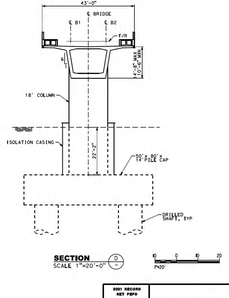


SECTION
SCALE: 1"=20'-0"

PLAN - LOS BANOS CREEK
SCALE: 1"=200'



PROFILE - LOS BANOS CREEK
SCALE: 1"=200' HOR, 1"=100' VERT



SECTION
SCALE: 1"=20'-0"

NOTE:
REFER TO GENERAL NOTES SHEETS GE-00001 AND GE-00002 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 97 OF 176

0001 RECORD SET PDFS
NOVEMBER 30, 2020
NOT FOR CONSTRUCTION

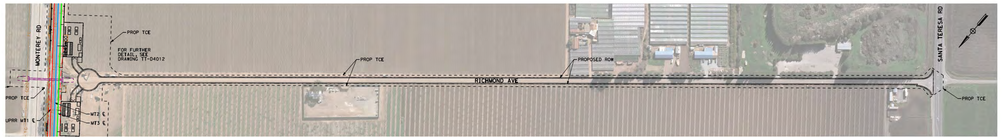
MNTB
1111 Broadway
Suite 800
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

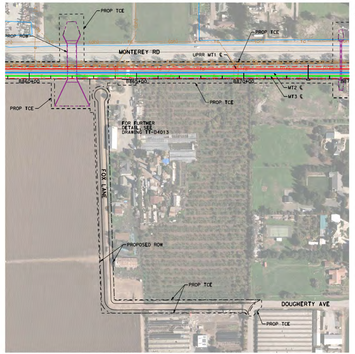
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
COMPLEX STRUCTURES
GENERAL PLAN

CONTRACT NO.
HSR15-34
DESIGN BY
ST-V1601
DRAWN BY
AS SHOWN
CHECK BY

PLAN - EMADO AVE
SCALE: 1"=200'



PLAN - RICHMOND AVE
SCALE: 1"=200'



PLAN - FOX LANE
SCALE: 1"=200'

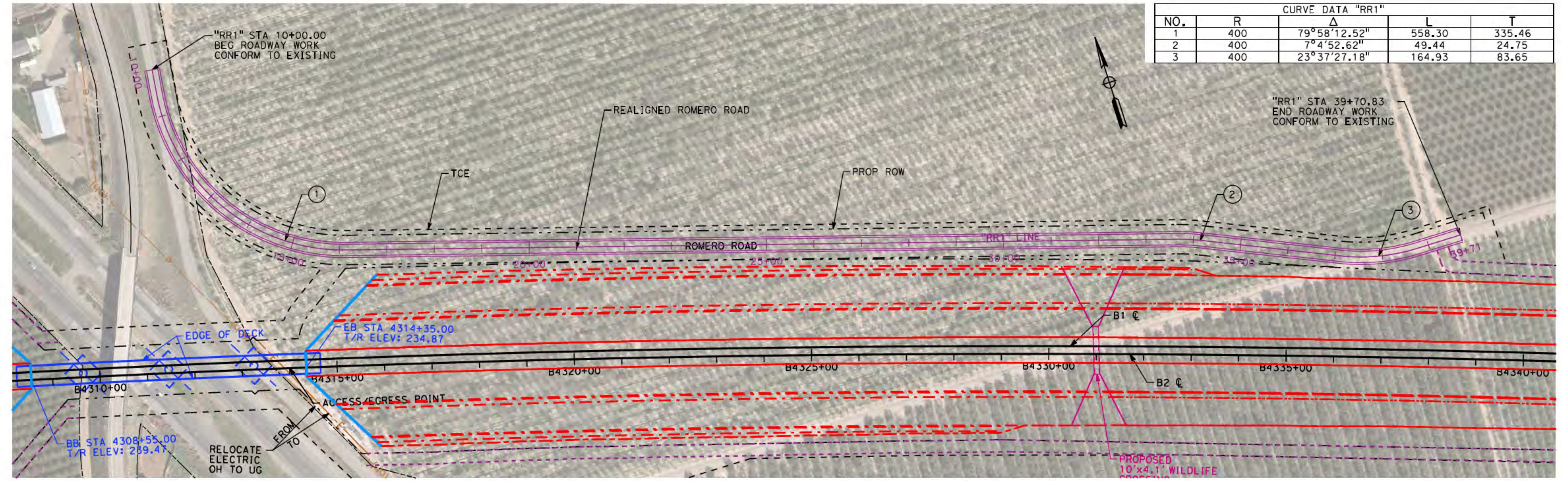
NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-80001 AND GE-80002 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 98 OF 176

90% RECORD SET PSPS NOVEMBER 30, 2020 NOT FOR CONSTRUCTION	HNTB 111 Broadway Suite 1200 Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED CP COAST TO GILROY BLENDED AT-GRADE ALTERNATIVE CIVIL DETAILS	CONTRACT No. HSR15-34 DRAWING No. CV-54001 SCALE AS SHOWN SHEET No.

NOTE:

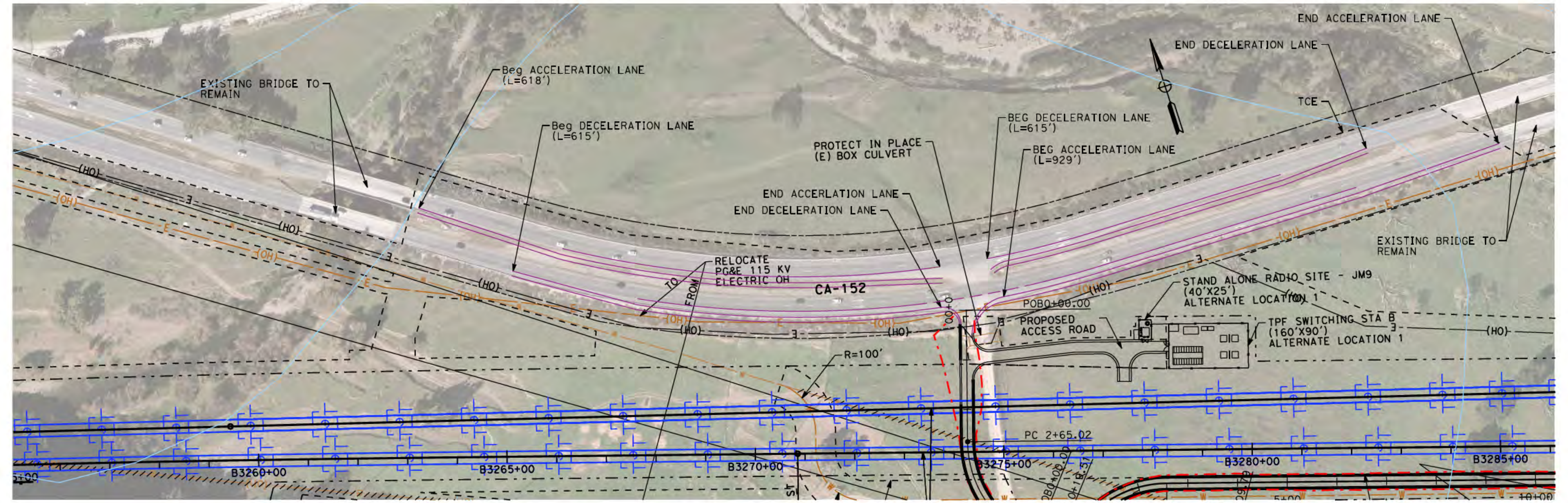
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.



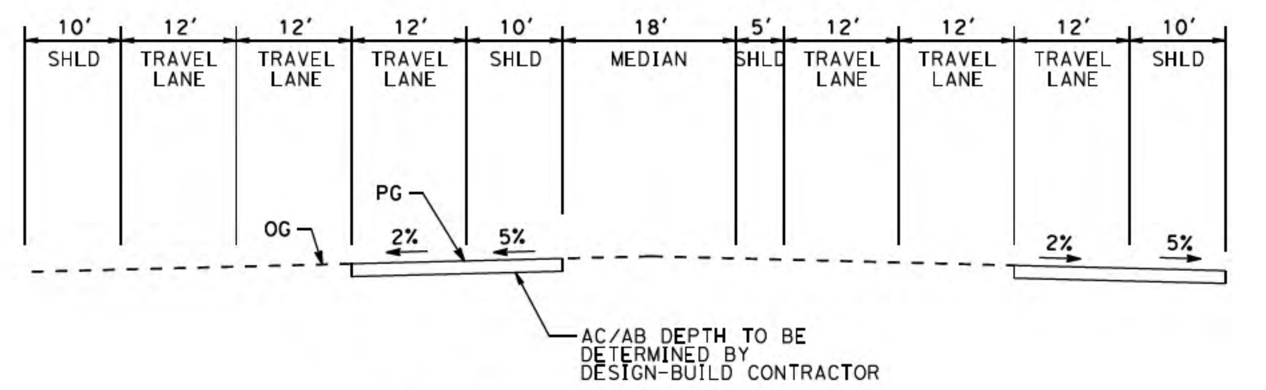
CURVE DATA "RR1"				
NO.	R	Δ	L	T
1	400	79°58'12.52"	558.30	335.46
2	400	7°4'52.62"	49.44	24.75
3	400	23°37'27.18"	164.93	83.65

"RR1" STA 39+70.83
END ROADWAY WORK
CONFORM TO EXISTING

PLAN - ROMERO ROAD"RR1"
SCALE: 1"=200'



PLAN - CA-152
SCALE: 1"=200'



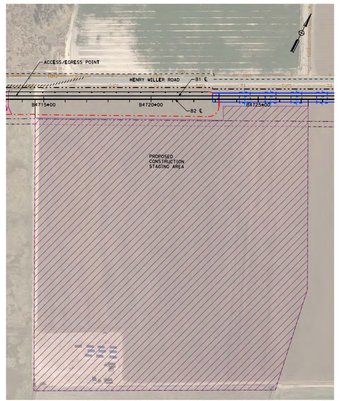
CA-152 TYPICAL SECTION
SCALE: 1"=20'

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 99 OF 176

2021 RECORD SET PEPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED PACHECO PASS TUNNEL CIVIL DETAILS	CONTRACT NO. HSR15-34 DRAWING NO. CV-S1401 SCALE AS SHOWN SHEET NO.

PROPOSED ACCESS ROAD TO MONTEREY ROAD
SCALE: 1"=200'

PROPOSED ACCESS ROAD TO INGOMAR GRADE
SCALE: 1"=200'

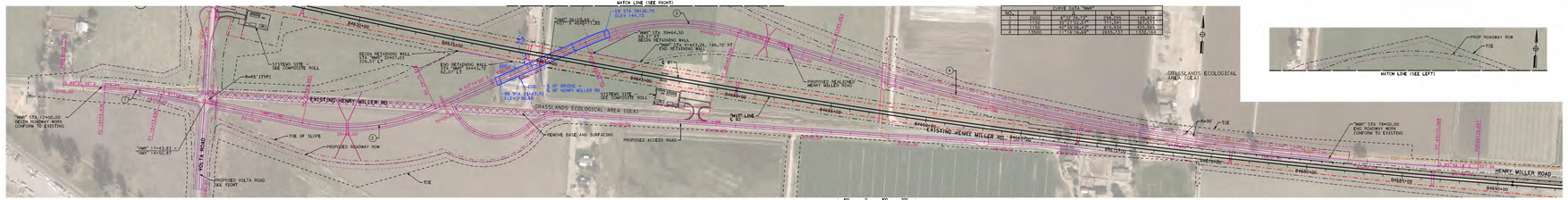


PROPOSED CONSTRUCTION STAGING AREA AT STA B4714+00 TO STA B4727+32
SCALE: 1"=200'

NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.

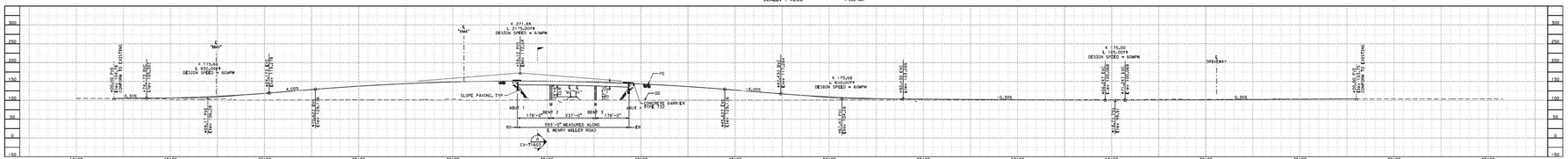
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 100 OF 176

90% SECOND SET PSPS NOVEMBER 30, 2020 NOT FOR CONSTRUCTION	HNTB 111 Broadway Suite 1200 Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAQUIN VALLEY HENRY MILLER ROAD CIVIL DETAILS	CONTRACT NO. HSR15-54 DRAWING NO. CV-51601 SCALE AS SHOWN SHEET NO.

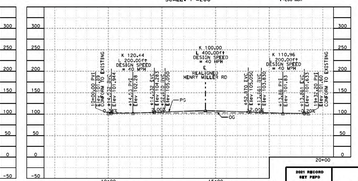


PLAN - HENRY MILLER "HMR"
SCALES 1"=200'

PLAN - VOLTA RD TO HENRY MILLER "HMV"
SCALES 1"=200'



PROFILE - HENRY MILLER "HMR"
SCALES 1"=200' HOR, 1"=100' VERT



PROFILE - VOLTA RD TO HENRY MILLER "HMV"
SCALES 1"=200' HOR, 1"=100' VERT

VOLTA RD TYPICAL SECTION
SCALES 1"=20'
"HMV" STA 15+02.12 TO "HMV" STA 19+32.20

VOLTA RD TYPICAL SECTION
SCALES 1"=20'
"HMV" STA 10+00.00 to "HMV" STA 15+02.12

HENRY MILLER RD TYPICAL SECTION
SCALES 1"=20'
"HMR" STA 12+00.00 to "HMR" STA 13+20.70
"HMR" STA 13+59.60 to "HMR" STA 19+00.00

NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-80001 AND GE-80002 FOR NOTES.

SECTION
SCALE 1"=20'

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 101 OF 176

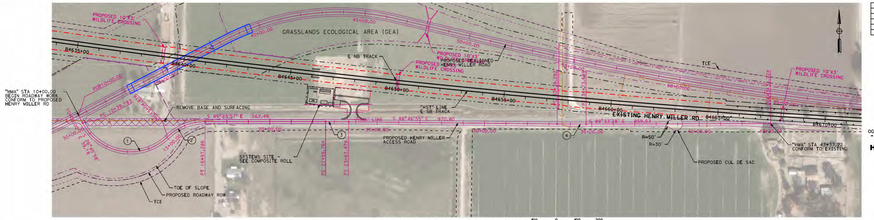
1001 RECORD SET "RFC"
NOVEMBER 30, 2021
NOT FOR CONSTRUCTION

HNTB
201 Mission Street
Suite 2400
San Francisco, CA 94105

CALIFORNIA High-Speed Rail Authority

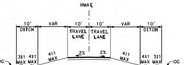
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS
HENRY MILLER ROAD

SHEET NO.	HSR15-34
CONTRACT NO.	CV-T1603
DRAWING NO.	AS SHOWN

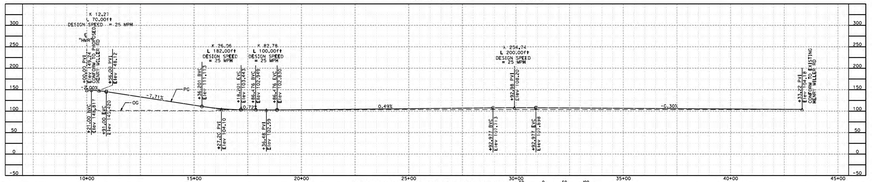


PLAN - HENRY MILLER ACCESS "HMA"
SCALE: 1"=200'

CURVE DATA - "HMA"				
NO.	R	I	L	T
1	200	106°47'49.43"	465.885	328.153
2	250	47°05'17.80"	205.458	110.332
3	10000	0°47'01.11"	137.114	68.568
4	10000	0°46'32.68"	135.458	67.734



HENRY MILLER ACCESS RD TYPICAL SECTION
SCALE: 1"=20'
"HMA" STA 10+00.00 TO "HMA" STA 43+33.22



PROFILE - HENRY MILLER ACCESS "HMA"
SCALE: 1"=200' HOR, 1"=50' VERT

NOTE#
1. REFER TO GENERAL NOTES SHEETS GE-80001 AND GE-80002 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 102 OF 176

80% RECORD SET PSPS
NOVEMBER 30, 2020
NOT FOR CONSTRUCTION

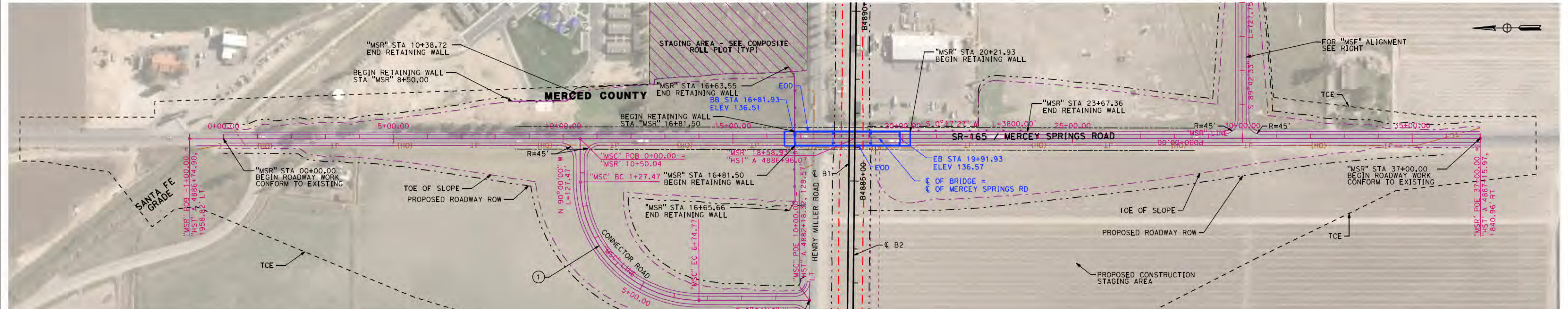
HNTB
111 Broadway
Suite 1200
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS
HENRY MILLER ACCESS

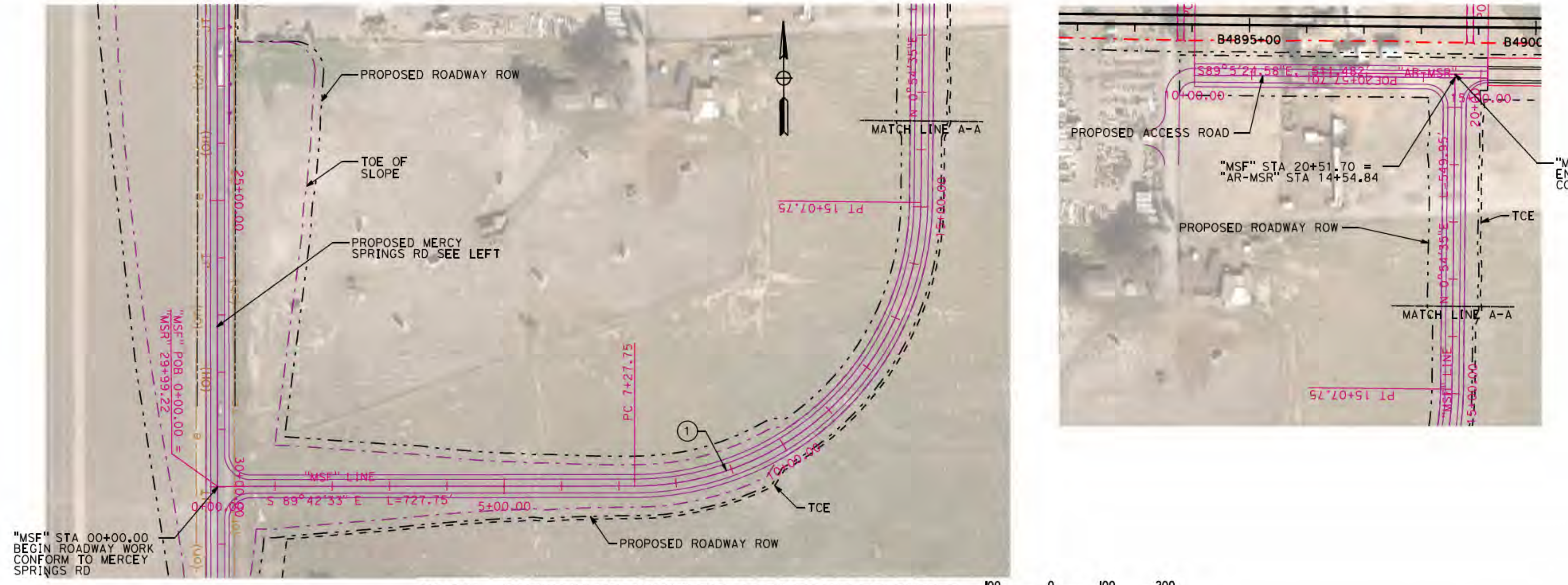
CONTRACT NO. HSR15-54
DESIGN BY: CV-T1604
DRAWN BY: AS, SIKORN
CHECK BY:

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 103 OF 176



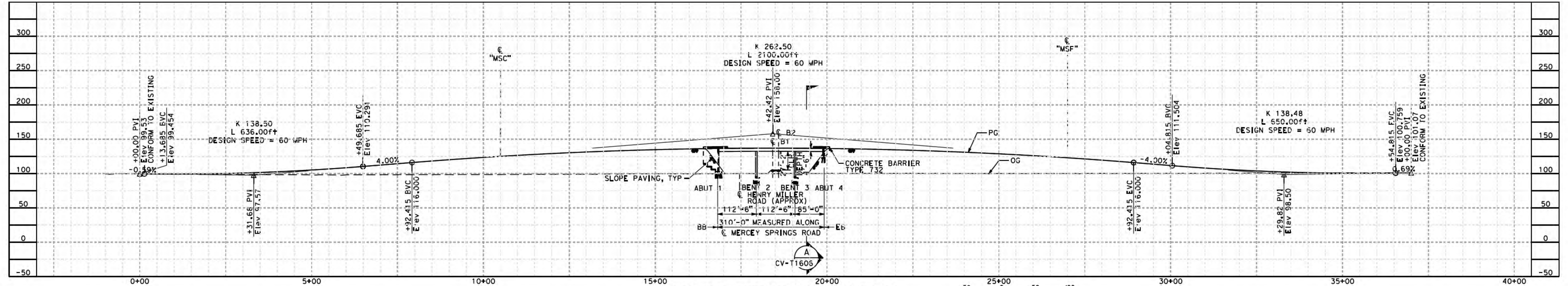
CURVE DATA "MSC"				
NO.	R	Δ	L	T
1	350	89°35'41.19"	547.303	347.533

PLAN - MERCEY SPRINGS "MSR" AND MERCEY SPRINGS CONNECTOR "MSC"
SCALE: 1"=200'

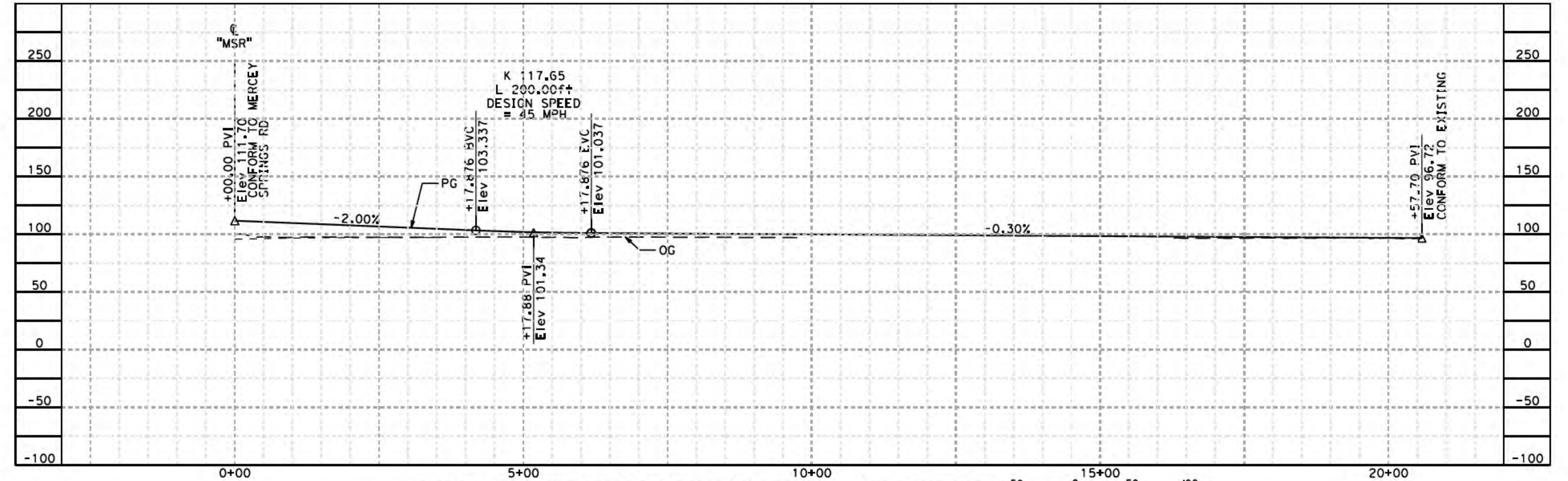


PLAN - MERCEY SPRINGS TO FRONTAGE RD "MSF"
SCALE: 1"=200'

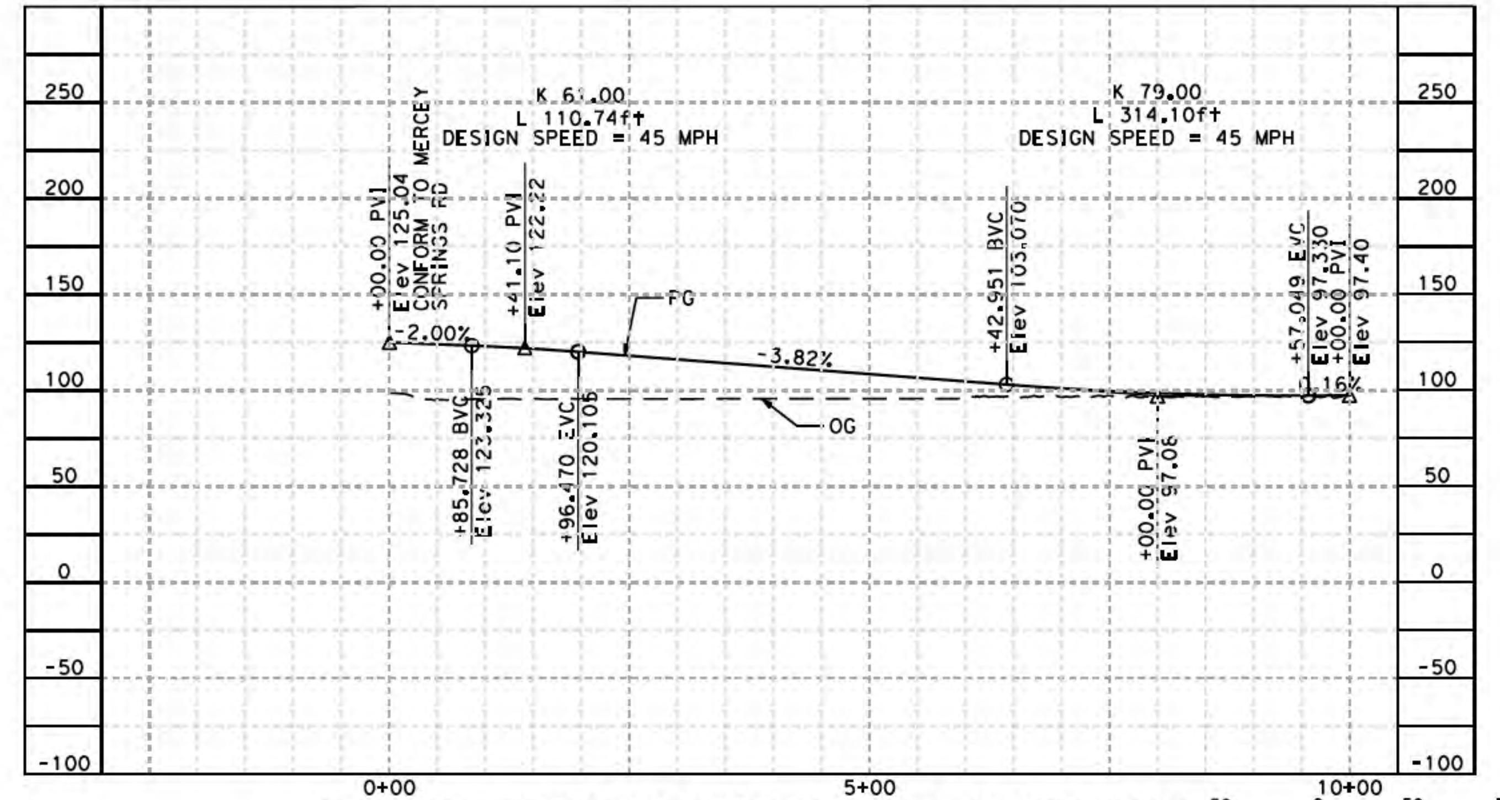
CURVE DATA "MSF"				
NO.	R	Δ	L	T
1	500	89°22'51.12"	780.00	494.626



PROFILE - MERCEY SPRINGS "MSR"
SCALE: 1"=200' HOR, 1"=100' VERT



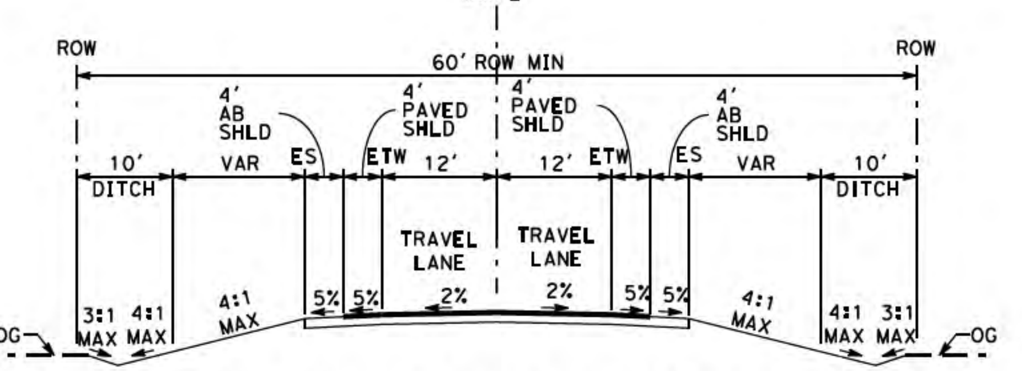
PROFILE - MERCEY SPRINGS TO FRONTAGE RD "MSF"
SCALE: 1"=200' HOR, 1"=100' VERT



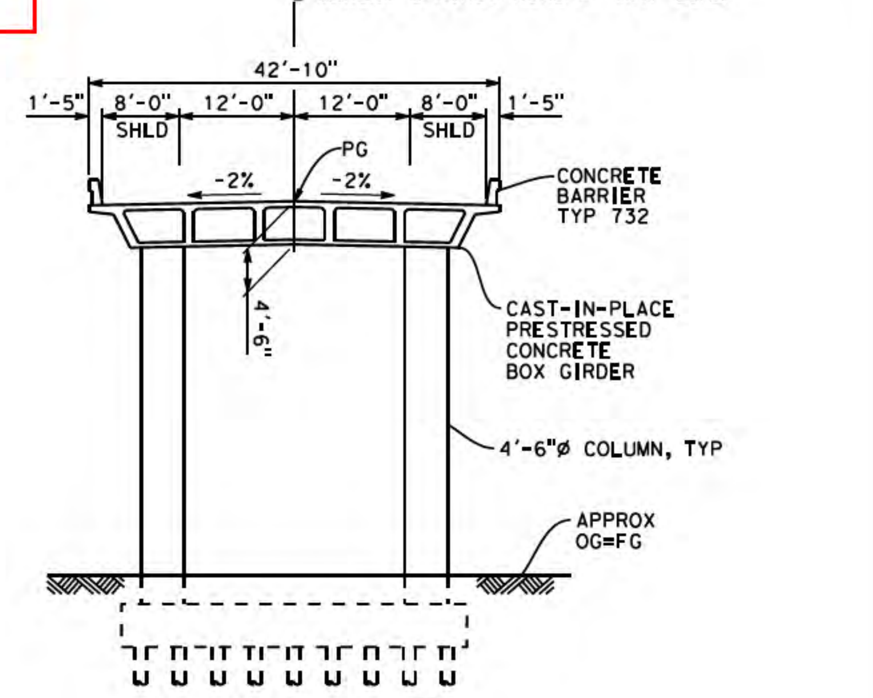
PROFILE - MERCEY SPRINGS CONNECTOR "MSC"
SCALE: 1"=200' HOR, 1"=100' VERT

NOTE:

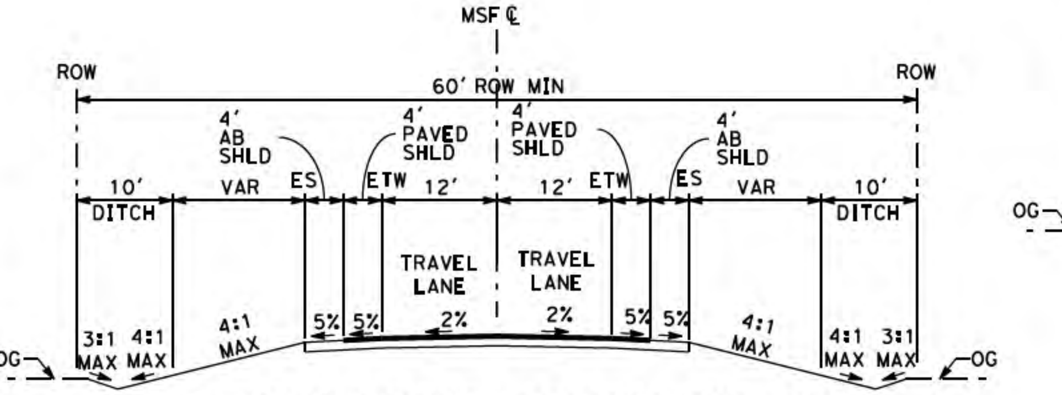
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.



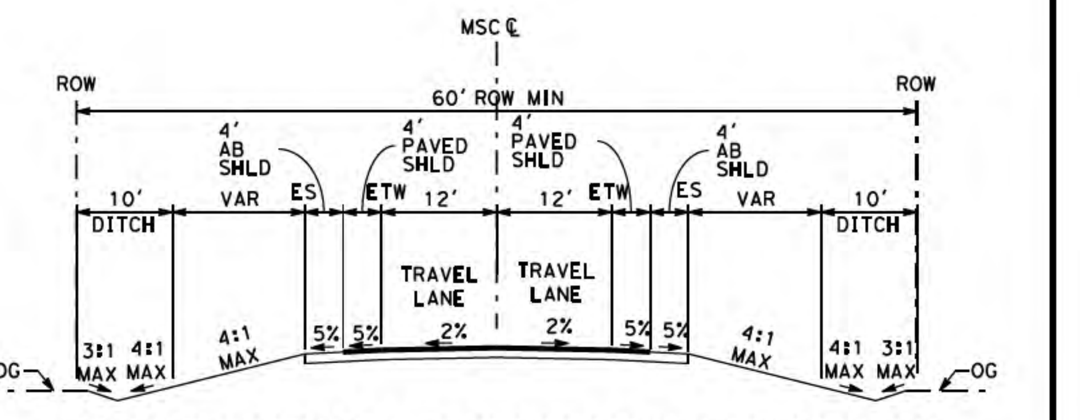
MERCEY SPRINGS RD TYPICAL SECTION
SCALE: 1"=20'
"MSR" STA 00+00.00 TO "MSR" STA 16+51.93
"MSR" STA 20+21.93 TO "MSR" STA 37+00.00



SECTION A-A
SCALE 1"=20'



MERCEY SPRINGS TO FRONTAGE RD TYPICAL SECTION
SCALE: 1"=20'
"MSF" STA 00+00.00 TO "MSF" STA 10+00.00

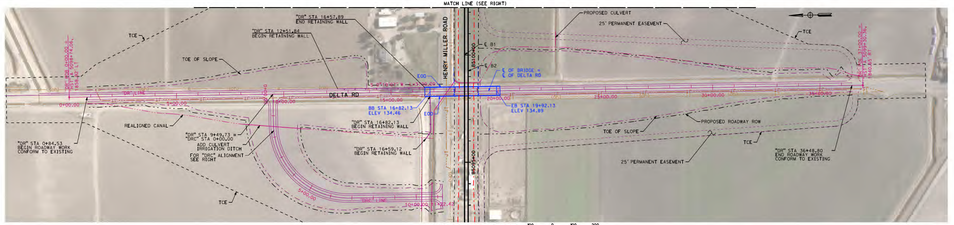


MERCEY SPRINGS TO HENRY ROAD CONNECTOR TYPICAL SECTION
SCALE: 1"=20'
"MSC" STA 00+00.00 TO "MSC" STA 10+00.00

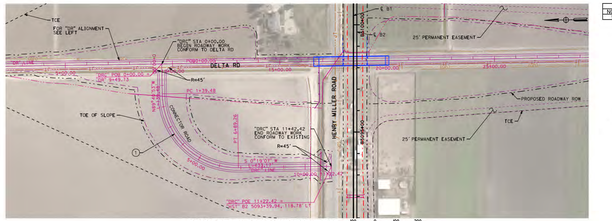
2021 RECORD SET PEPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS
MERCEY SPRINGS ROAD

CONTRACT NO.	HSR15-34
DRAWING NO.	CV-T1606
SCALE	AS SHOWN
SHEET NO.	



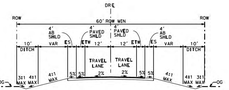
PLAN - DELTA RD "DR"
SCALE: 1"=200'



PLAN - DELTA RD CONNECTOR "DRC"
SCALE: 1"=200'

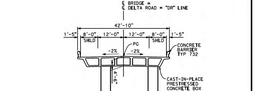
CURVE DATA TABLE				
NO.	R	Δ	L	T
1	700	90°00'00.00"	549.779	350.000

NOTE:
1. REFER TO GENERAL NOTES SHEETS GE-80001 AND GE-80002 FOR NOTES.

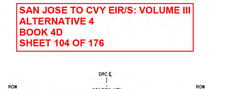


DELTA RD TYPICAL SECTION
SCALE: 1"=20'
"RSP" STA 00+84.53 TO "DR" STA 13+82.15
"DR" STA 20+48.28 TO "DR" STA 36+48.80

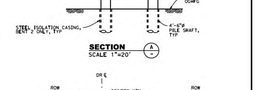
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 104 OF 176



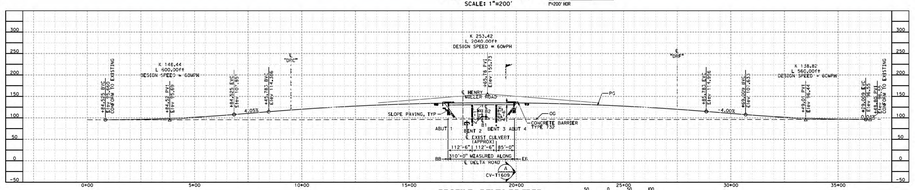
SECTION
SCALE 1"=20'



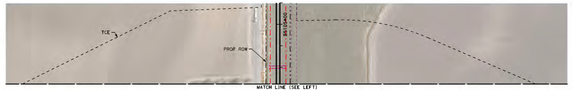
DELTA RD TO HENRY MILLER RD CONNECTOR TYPICAL SECTION
SCALE 1"=20'
"DRC" STA 00+00.00 TO "DRC" STA 11+22.42



DELTA RD TYPICAL SECTION
SCALE 1"=20'
"DR" STA 13+82.15 TO "DR" STA 16+57.89



PROFILE - DELTA RD "DR"
SCALE: 1"=200' HOR, 1"=100' VERT



PROFILE - DELTA RD CONNECTOR "DRC"
SCALE: 1"=200' HOR, 1"=100' VERT

100% RECORD SET PDFS	
NOVEMBER 30, 2020	
NOT FOR CONSTRUCTION	

HNTB
111 Broadway
Suite 1200
Oakland, CA 94607

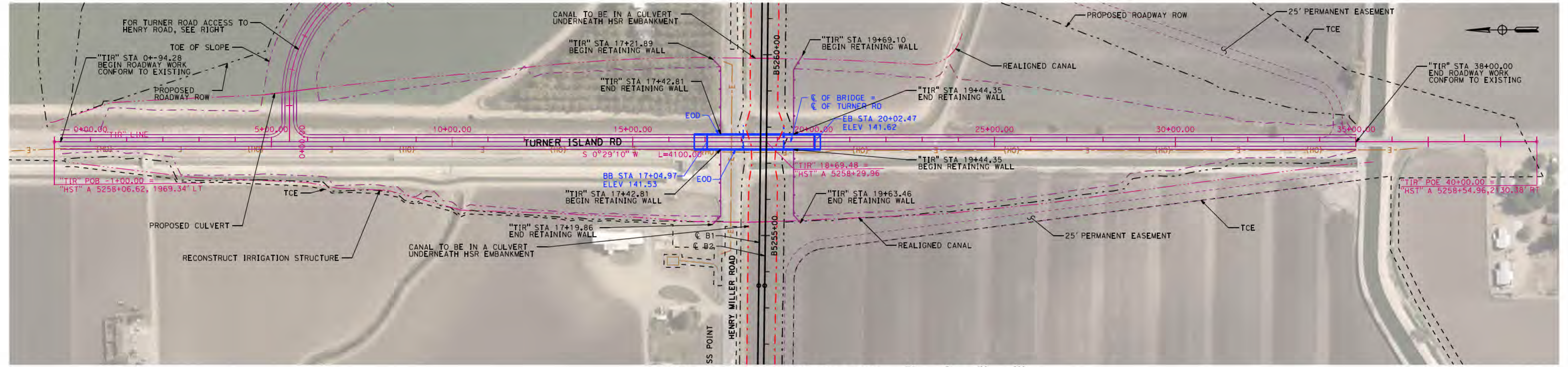
CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SAN JOAQUIN VALLEY
HENRY MILLER ROAD
GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS
DELTA ROAD

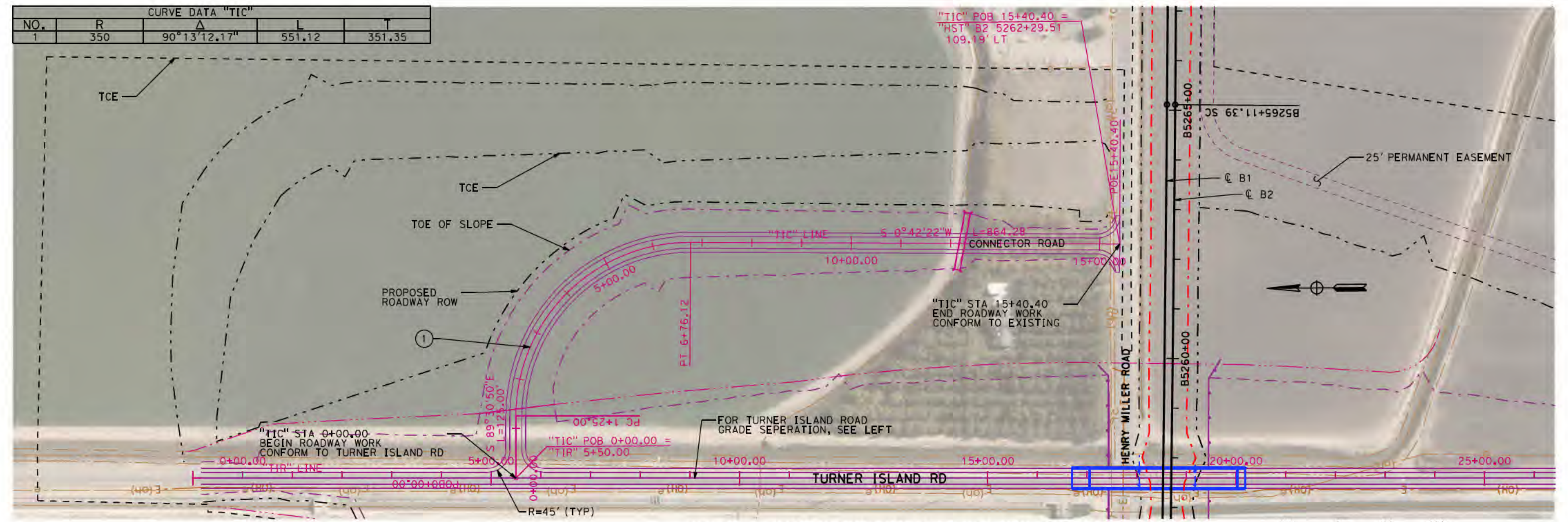
CONTRACT NO.	HSR15-34
DRAWING NO.	CV-T1609
SHEET NO.	81 SHOWN
TOTAL NO.	96

NOTE:

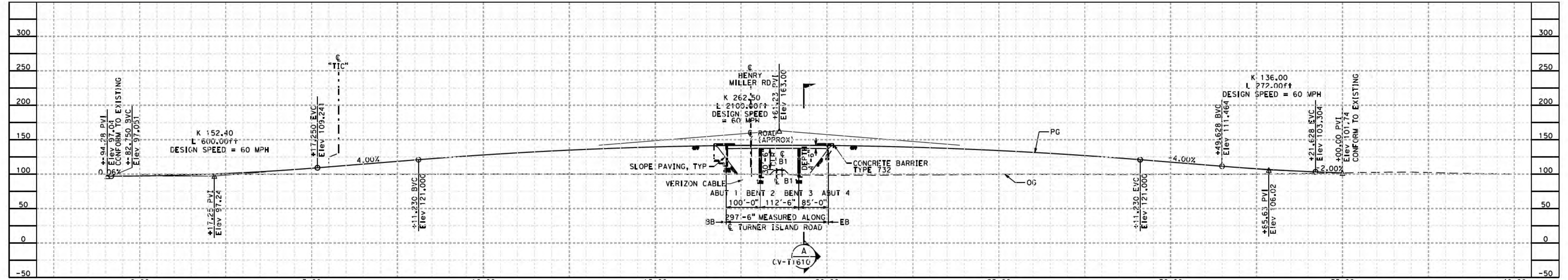
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.



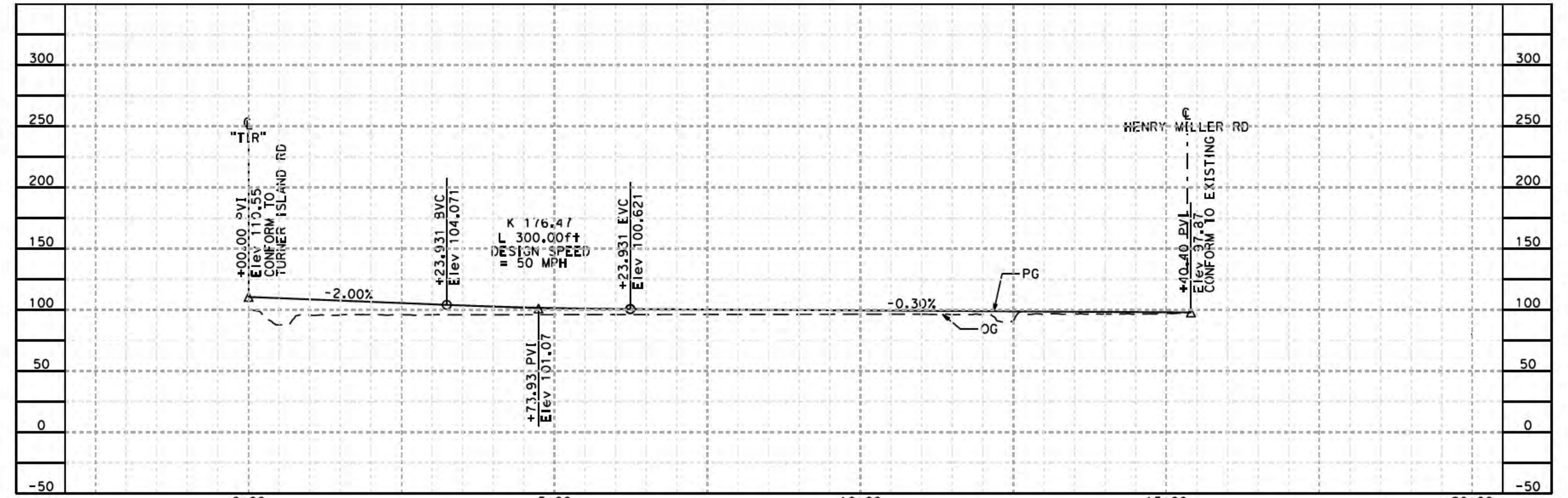
PLAN - TURNER ISLAND RD "TIR"
SCALE: 1"=200'



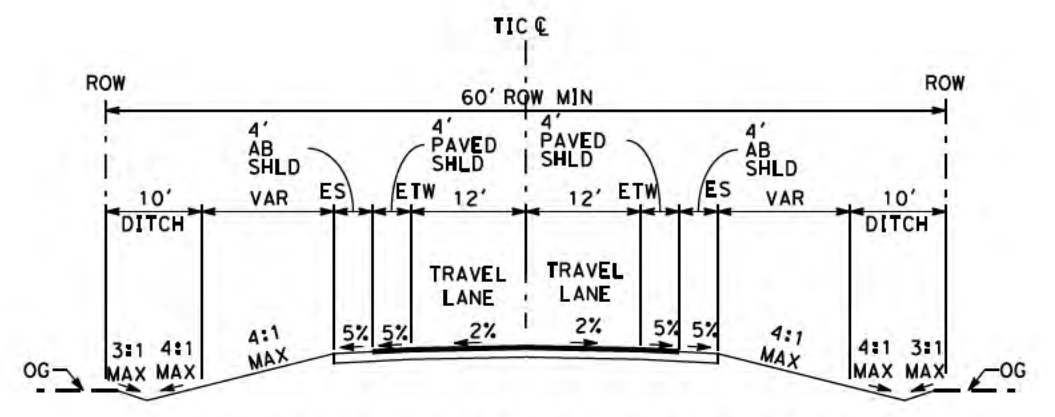
PLAN - TURNER ISLAND RD TO HENRY MILLER RD "TIC"
SCALE: 1"=200'



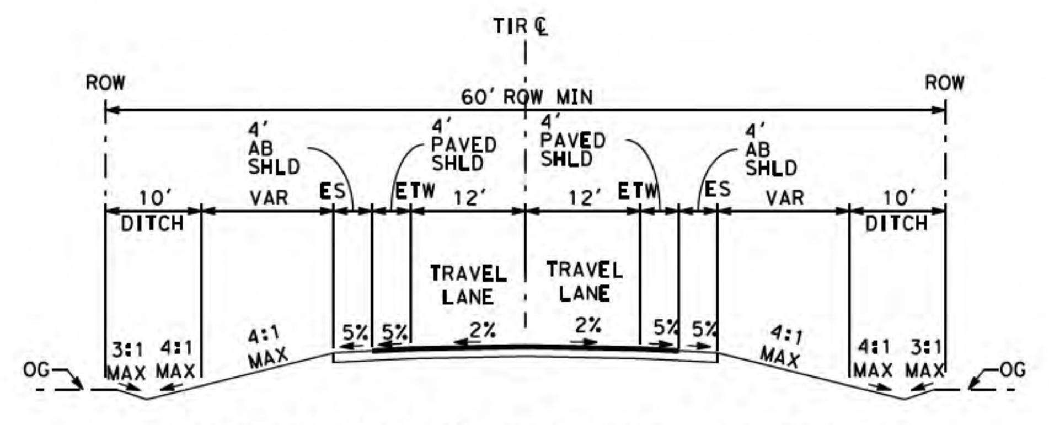
PROFILE - TURNER ISLAND RD "TIR"
SCALE: 1"=200' HOR, 1"=100' VERT



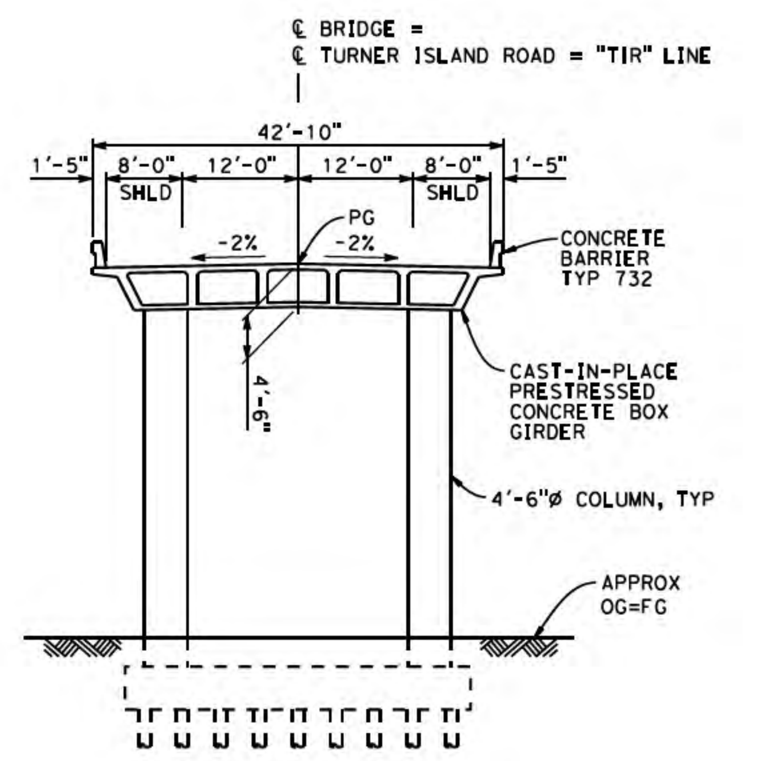
PROFILE - TURNER ISLAND RD TO HENRY MILLER RD "TIC"
SCALE: 1"=200' HOR, 1"=100' VERT



TURNER ISLAND RD TO HENRY MILLER RD TYPICAL SECTION
SCALE: 1"=20'
"TIC" STA 00+00.00 TO "TIC" STA 15+40.40



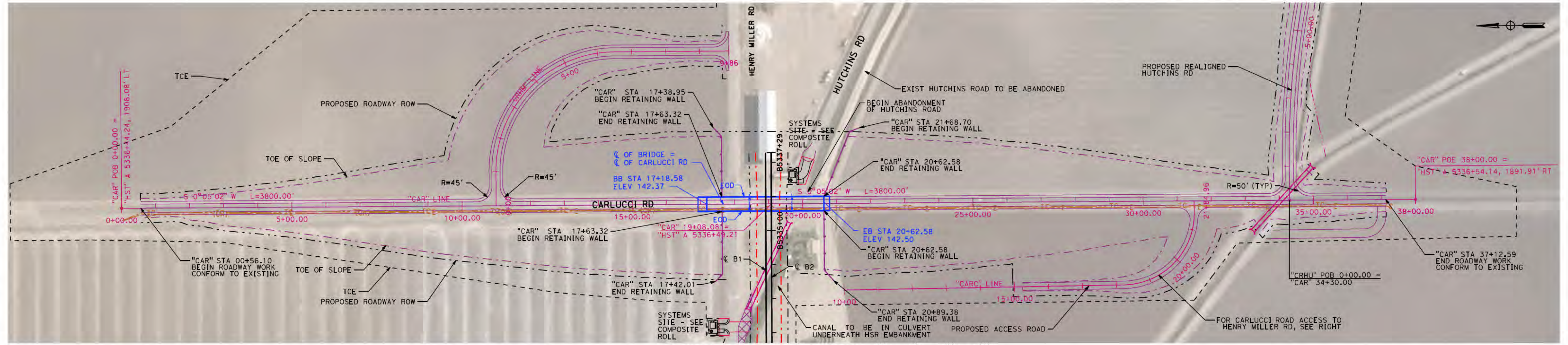
TURNER ISLAND RD TYPICAL SECTION
SCALE: 1"=20'
"TIR" STA 00+-94.28 TO "TIR" STA 17+04.97
"TIR" STA 20+02.47 TO "TIR" STA 38+00.00



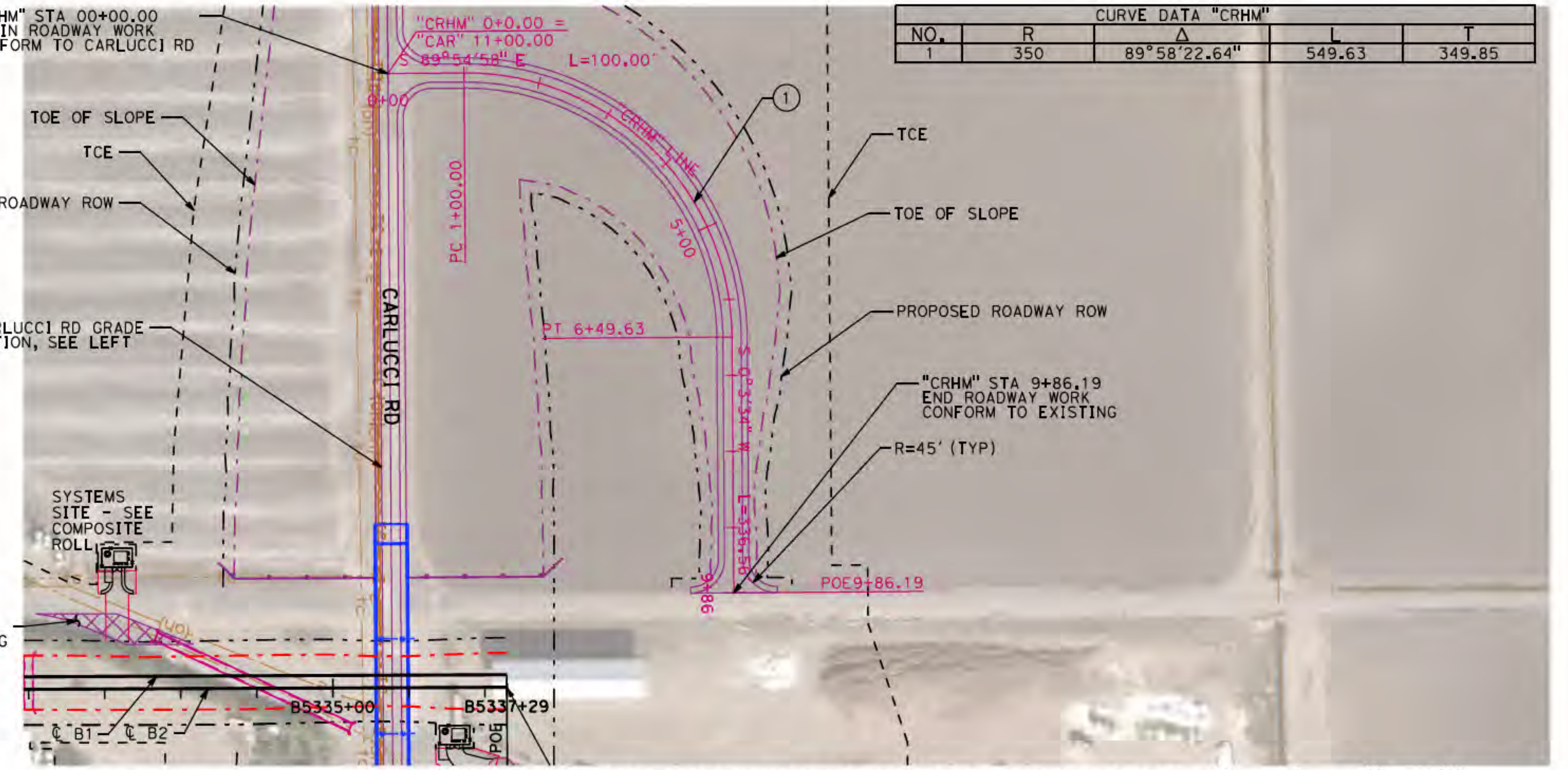
SECTION (A)
SCALE 1"=20'

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 105 OF 176

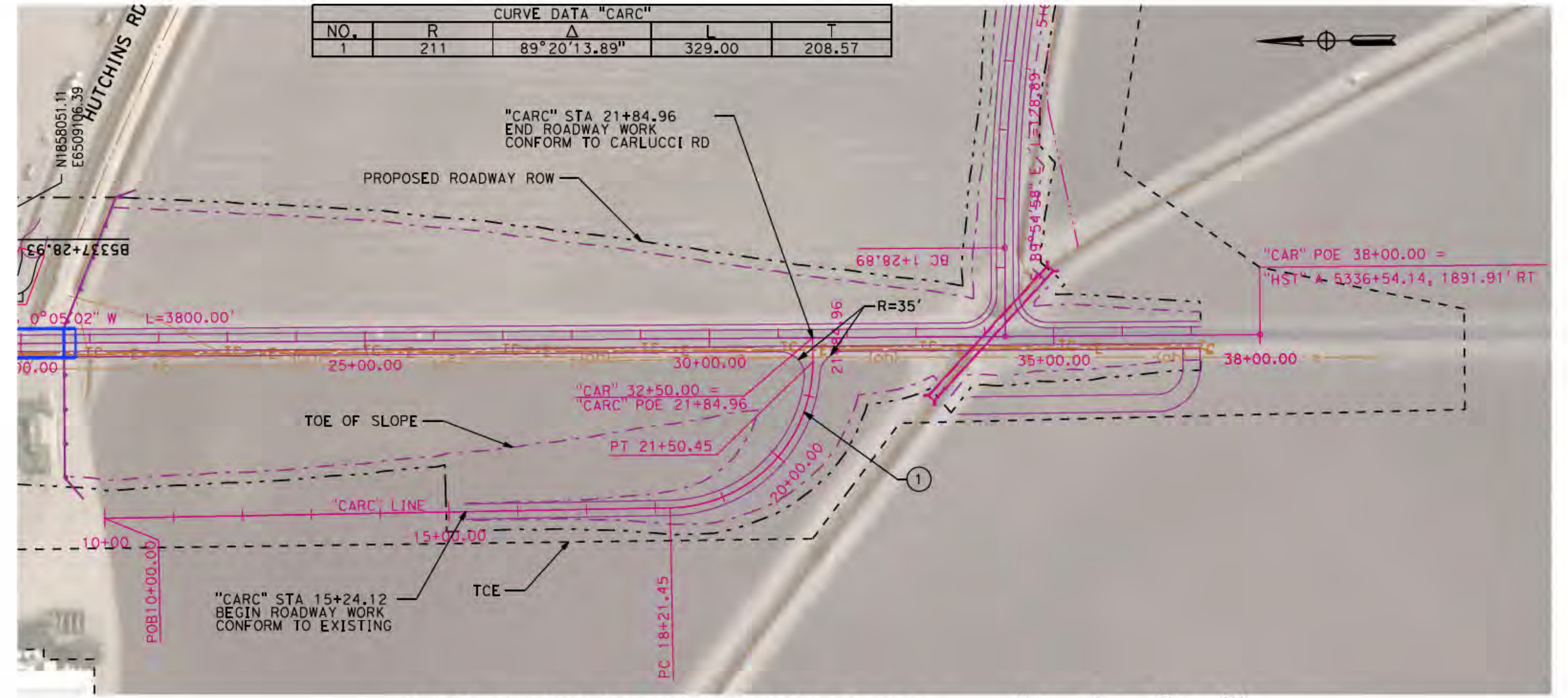
2021 RECORD SET PEPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAQUIN VALLEY HENRY MILLER ROAD GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS TURNER ROAD	CONTRACT NO. HSR15-34 DRAWING NO. CV-T1610 SCALE AS SHOWN SHEET NO.



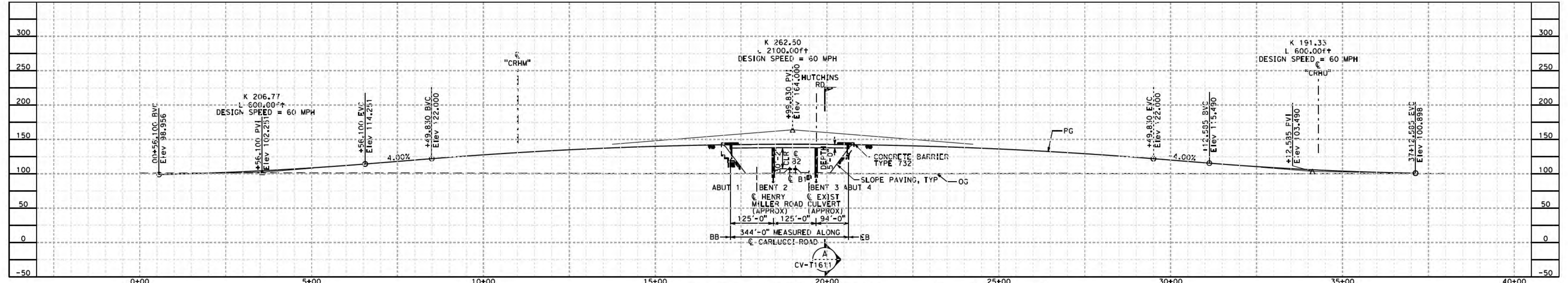
PLAN - CARLUCCI RD "CAR"
SCALE: 1"=200'



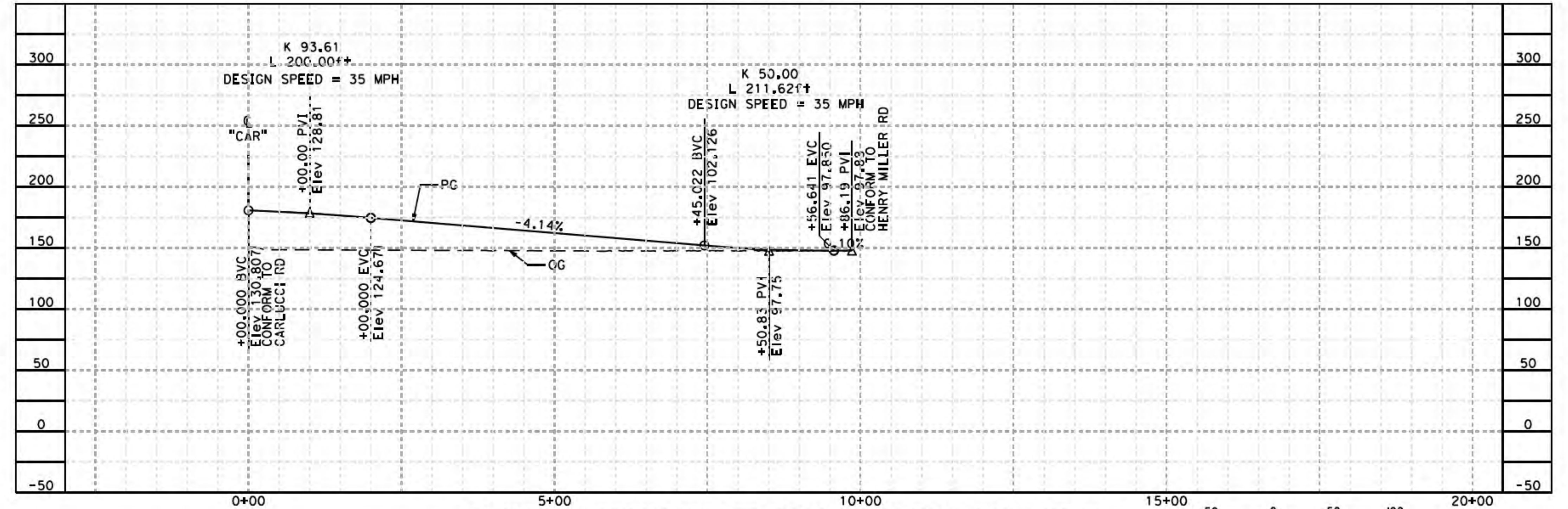
PLAN - HENRY MILLER RD TO CARLUCCI RD "CRHM"
SCALE: 1"=200'



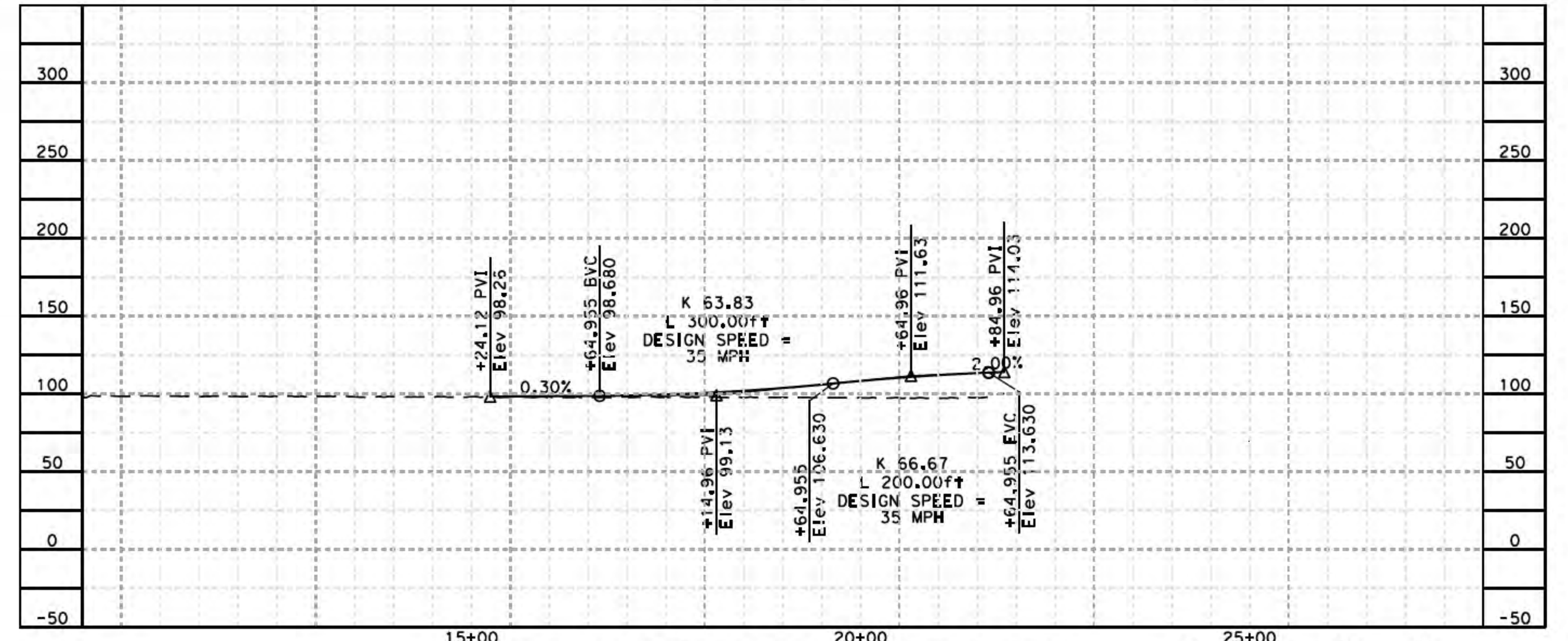
PLAN - CARLUCCI ACCESS RD "CARC"
SCALE: 1"=200'



PROFILE - CARLUCCI RD "CAR"
SCALE: 1"=200' HOR, 1"=100' VERT



PROFILE - HENRY MILLER RD TO CARLUCCI RD "CRHM"
SCALE: 1"=200' HOR, 1"=100' VERT

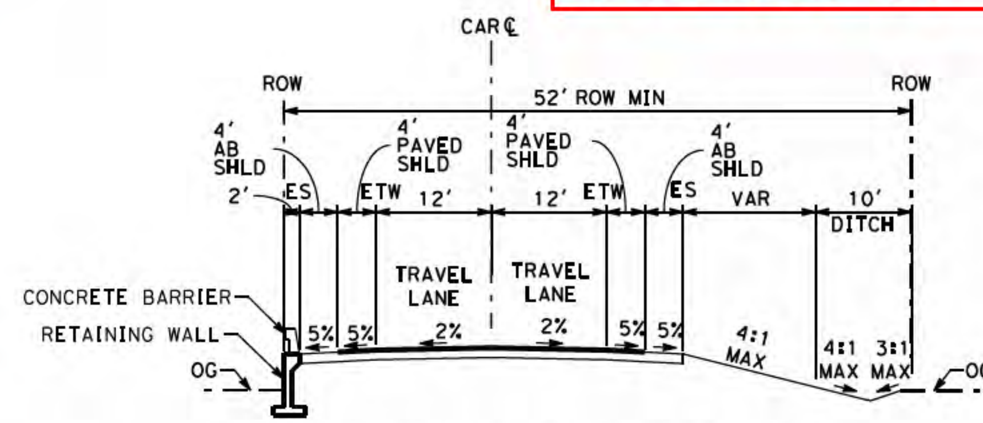


PROFILE - CARLUCCI ACCESS RD "CARC"
SCALE: 1"=200' HOR, 1"=100' VERT

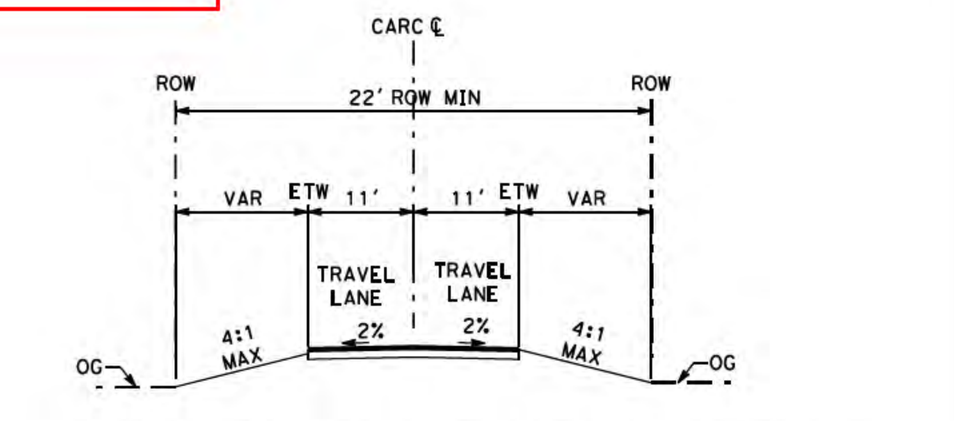
SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 106 OF 176

NOTE:

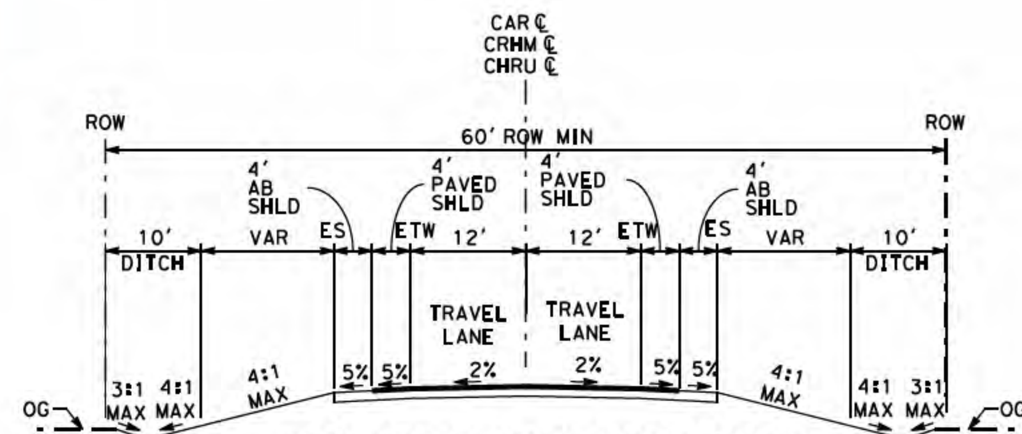
1. REFER TO GENERAL NOTES SHEETS GE-B0001 AND GE-B0002 FOR NOTES.



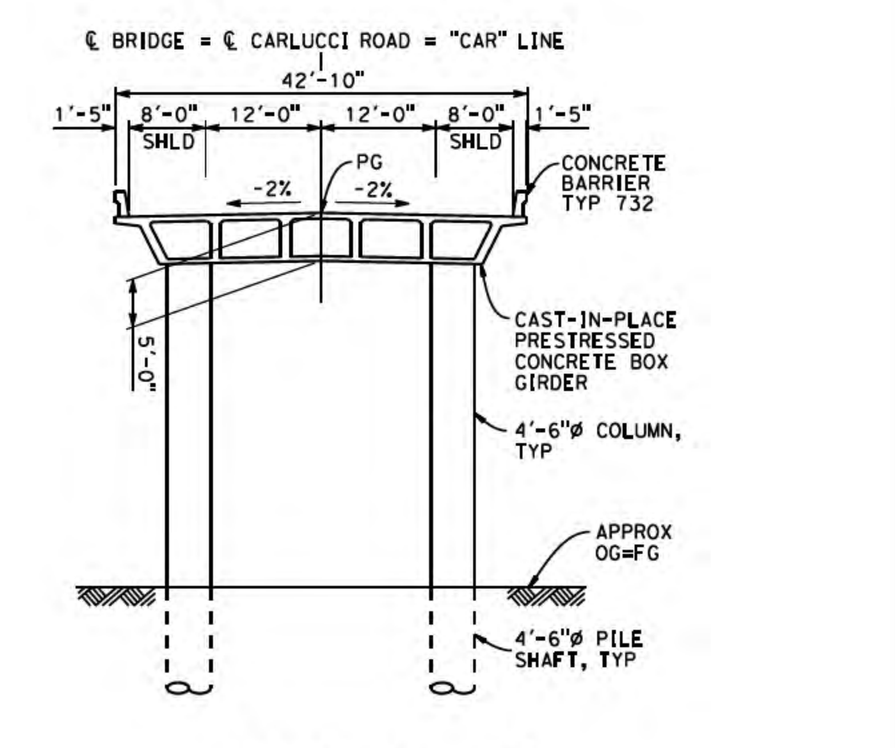
CARLUCCI RD TYPICAL SECTION
SCALE: 1"=20'
"CAR" STA 20+79.47 TO "CAR" STA 22+00.00



CARLUCCI ACCESS RD TYPICAL SECTION
SCALE: 1"=20'
"CARC" STA 15+24.12 TO "CARC" STA 21+84.96

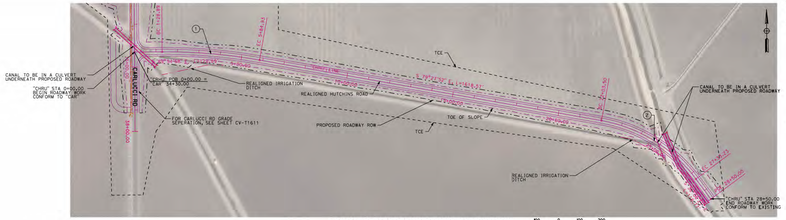


CARLUCCI RD/ HENRY MILLER TO CARLUCCI RD/ REALIGNED HUTCHINS RD TYPICAL SECTION
SCALE: 1"=20'



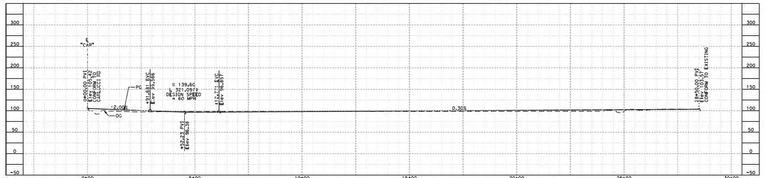
SECTION A
SCALE 1"=20'

2021 RECORD SET PEPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	**CALIFORNIA HIGH-SPEED TRAIN PROJECT** **SAN JOSE TO MERCED** SAN JOAQUIN VALLEY HENRY MILLER ROAD GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS CARLUCCI ROAD	CONTRACT NO. HSR15-34 DRAWING NO. CV-T1611 SCALE AS SHOWN SHEET NO.



PLAN - REALIGNED HUTCHINS ROAD "CHRU"
SCALE= 1"=200'

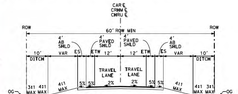
60 0 60 200
P=200' HOR



PROFILE - REALIGNED HUTCHINS RD "CHRU"
SCALE= 1"=200' HOR, 1"=20' VERT

20 0 20 40
P=20' VERT

CURVE DATA "CHRU"				
NO.	R	I	L	T
1	1000	03°00'00.00"	0+59.69	0+29.85
		03°00'00.00"	52+76.29	27+46.60



CARLUCCI RD/ HENRY MILLER TO CARLUCCI RD/ REALIGNED HUTCHINS RD TYPICAL SECTION
SCALE= 1"=20'

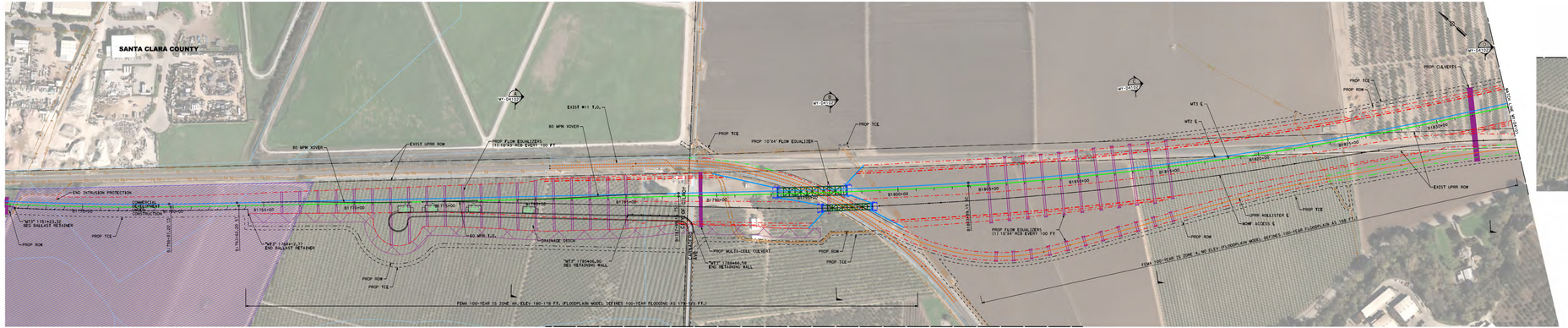
"CARC" STA 00+56.10 TO "CAR" STA 17+18.58
"CAR" STA 32+62.38 TO "CAR" STA 37+13.08
"CHRU" STA 00+81.50 TO "CHRU" STA 18+00.00
"CHRU" STA 00+00.00 TO "CHRU" STA 28+00.00

NOTE#

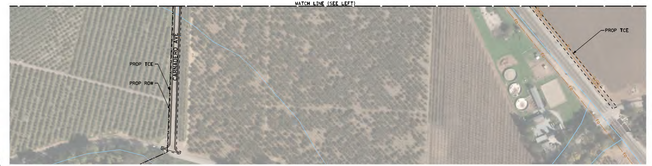
1. REFER TO GENERAL NOTES SHEETS GE-00001 AND GE-00002 FOR NOTES.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 107 OF 176

0001 RECORD SET PDFS	HNTB	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED SAN JOAQUIN VALLEY HENRY MILLER ROAD GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS HUTCHINS ROAD
NOVEMBER 30, 2020	111 Broadway Suite 1200 Oakland, CA 94607		CONTRACT NO. HSR15-34 DRAWING NO. CV-T1612 SHEET NO. AS SHOWN UNIT NO.
NOT FOR CONSTRUCTION			



PLAN
SCALE: 1"=200'



NOTE:
1. FOR UTILITY SYSTEMS, ROADWAY AND DRAINAGE DETAILS, SEE COMPOSITE DRAWINGS.
2. FOR COMPLEX STRUCTURES, SEE DRAWING ST-14001.

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 108 OF 176

1001 RECORD SET 70PS
NOVEMBER 30, 2021
NOT FOR CONSTRUCTION

HNTB
351 California Street, Suite 500
Oakland, CA 94611

CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
CP COAST TO GILROY
BLENDED AT-GRADE ALTERNATIVE
WOMF DETAIL
SHEET 1 OF 4

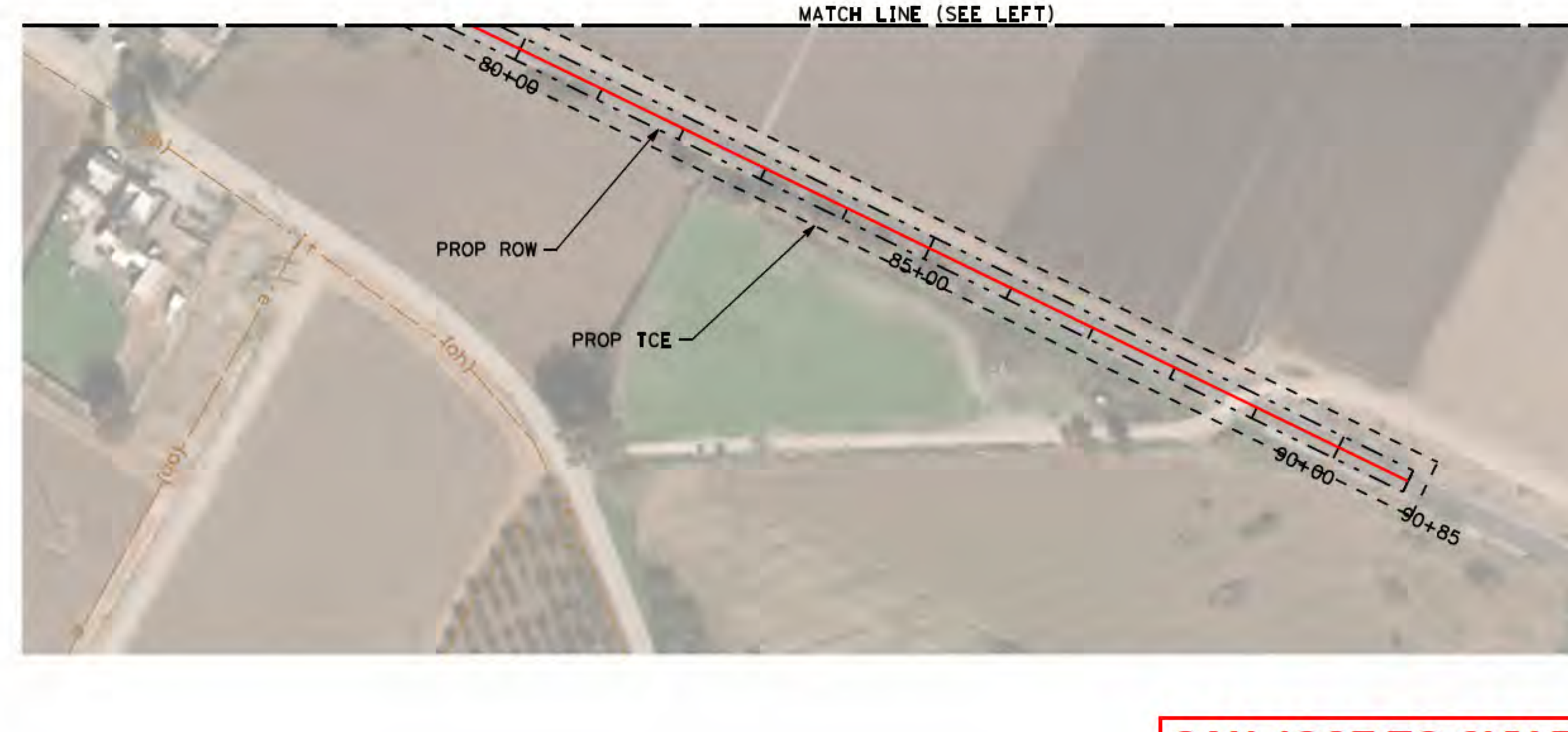
CONTRACT NO. MSR15-34
DRAWING NO. WT-04100
SCALE AS SHOWN

PLAN
SCALE: 1"=200'

100 0 100 200
1"=200' HOR

NOTES:

1. FOR STRUCTURE, UTILITY, SYSTEMS, ROADWAY, AND DRAINAGE DETAILS, SEE COMPOSITE DRAWINGS.



SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 109 OF 176

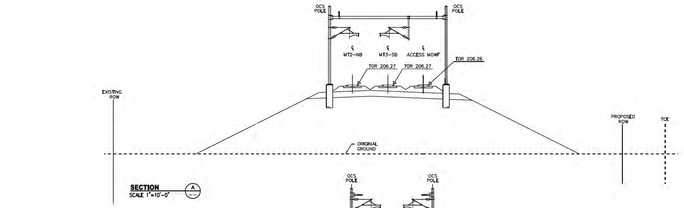
2021 RECORD SET PEPD
NOVEMBER 30, 2021
NOT FOR CONSTRUCTION

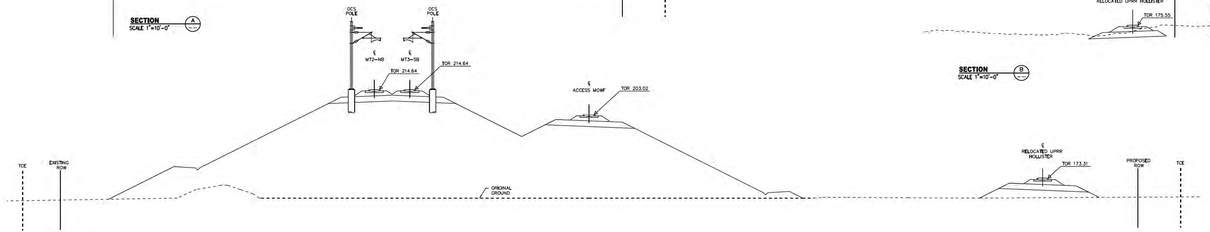
HNTB
1111 Broadway
9th Floor
Oakland, CA 94607

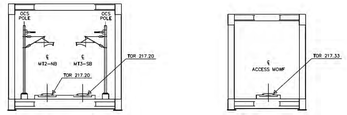
CALIFORNIA High-Speed Rail Authority

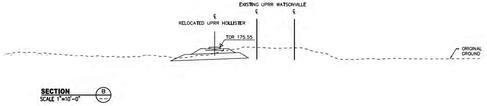
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
CP COAST TO GILROY
BLENDED AT-GRADE ALTERNATIVE
MOWF DETAIL
SHEET 2 OF 4

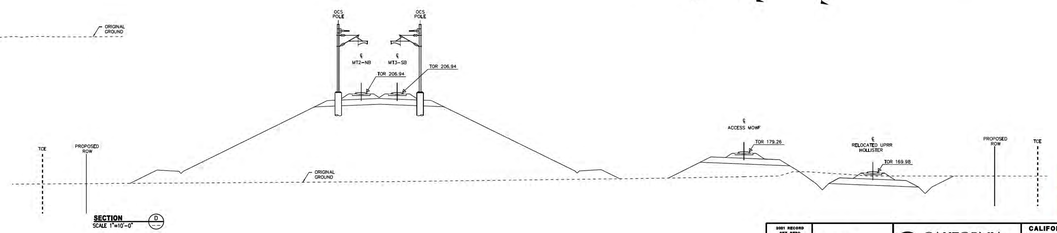
CONTRACT NO. HSR15-34
DRAWING NO. MY-D4101
SCALE AS SHOWN
SHEET NO.











SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 110 OF 176

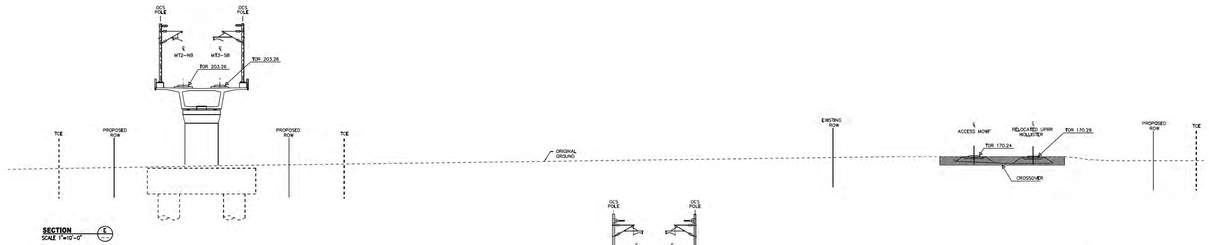
0001 RECORD SET PDF9
NOVEMBER 30, 2020
NOT FOR CONSTRUCTION

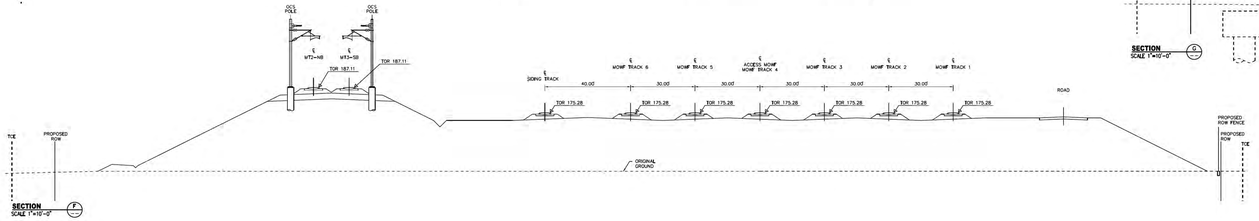
HNTB
111 Broadway
Suite 1700
Oakland, CA 94607

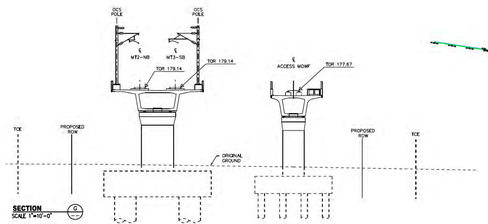
CALIFORNIA High-Speed Rail Authority

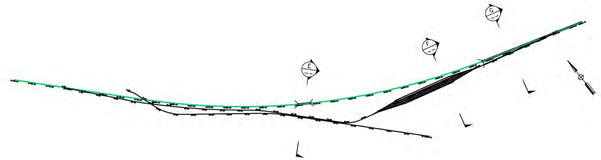
CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
CP COAST TO GILROY
BLENDED AT-GRADE ALTERNATIVE
WMF DETAIL
SHEET 3 OF 4

CONTRACT NO. HSR15-54
DESIGN BY WT-G4102
DRAWN BY A.S. SIMONIN
CHECKED BY





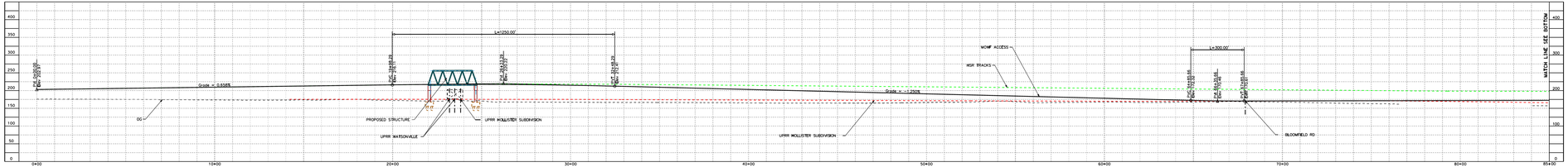




SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 111 OF 176

0001 RECORD SET PDF'S NOVEMBER 30, 2020 NOT FOR CONSTRUCTION	MNTB 1111 Broadway Suite 800 Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED CP COAST TO GILROY BLENDED AT-GRADE ALTERNATIVE MOMF DETAIL SHEET 4 OF 4	CONTRACT NO. HSR15-54 DRAWING NO. M1-G4103 DESIGNED BY A.S. SHOWN CHECKED BY

NOTE:



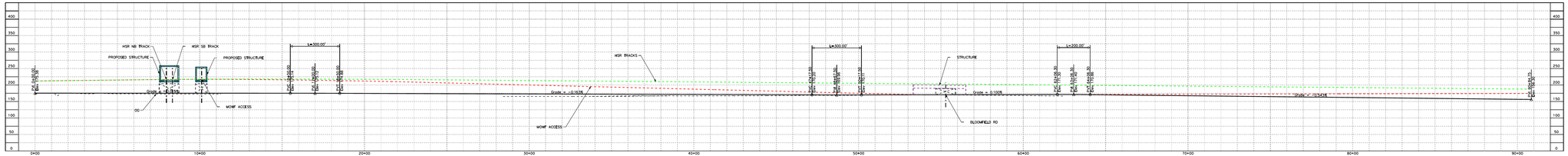
PROFILE
SCALE: 1"=100' HOR, 1"=10' VERT

50 0 50 100
PWEP-QSD

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 112 OF 176

0001 RECORD SET PDFS NOVEMBER 30, 2020 NOT FOR CONSTRUCTION	HNTB 1111 Broadway Suite 1200 Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED CP COAST TO GILROY BLENDED AT-GRADE ALTERNATIVE UPRR PROFILE FOR WOMF SHEET 1 OF 2	CONTRACT NO. HSR15-54 DESIGN NO. M1-04104 DRAWN BY AS, SIMONN SHEET NO.

NOTE:



PROFILE - UPRR HOLLISTER CONNECTION
SCALE: 1"=200' HOR., 1"=100' VERT

50 0 50 100
FEET

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 113 OF 176

5001 RECORD SET PDFS NOVEMBER 30, 2020 NOT FOR CONSTRUCTION	MNTB 111 Broadway Suite 1200 Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN JOSE TO MERCED CP COAST TO GILROY BLENDED AT-GRADE ALTERNATIVE UPRR PROFILE FOR WOMF SHEET 2 OF 2	DRAWING No. WSR15-34 SHEET No. M1-G4105 SCALE AS SHOWN HMPT No.

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
TANGENT	POB	0+00.00	1816499.19	6255628.99						
TANGENT	PI	1+71.91	1816403.19	6255726.01						
TANGENT	PT	1+71.91	1816403.19	6255726.01						
TANGENT	TS	1+848.95	1815092.46	6256828.01						
CLOTHOID	TS	1+848.95	1815092.46	6256828.01						
CLOTHOID	SPI	1+892.25	1815049.39	6256856.01		65	0°13'58"	Left	32.5	0.02
CLOTHOID	SC	1+913.95	1815032.92	6256870.1						
ARC	SC	1+913.95	1815032.92	6256870.1						
ARC	PI	2+185.03	1814817.29	6257046.6	8000	543.27	3°53'27"	Left		
ARC	CC		1820229.13	6252902.81						
ARC	CS	2+457.22	1814632.14	6257236.72						
CLOTHOID	CS	2+457.22	1814632.14	6257236.72						
CLOTHOID	SPI	2+478.89	1814616.66	6257251.87		65	0°13'58"	Left	32.5	0.02
CLOTHOID	ST	2+522.22	1814585.82	6257282.32						
TANGENT	ST	2+522.22	1814585.82	6257282.32						
TANGENT	TS	2+937.35	1814350.02	6257675.6						
CLOTHOID	TS	2+937.35	1814350.02	6257675.6						
CLOTHOID	SPI	2+940.68	1814346.75	6257706.24		65	0°06'00"	Left	32.5	0.01
CLOTHOID	SC	2+982.35	1814343.79	6257721.29						

MOWF ACCESS HORIZONTAL ALIGNMENT

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
ARC	SC	28+62.35	1814343.79	6257721.29						
ARC	PI	34+13.78	1813868.29	6258190.93	18600	1900	5°51'10"	Left		
ARC	CC		1832743.19	6270735.38						
ARC	CS	47+62.35	1813064.55	6258925						
CLOTHOID	CS	47+62.35	1813064.55	6258925						
CLOTHOID	SPE	47+64.02	1813050.78	6258941.74		65	0°06'00"	Left	32.5	0.01
CLOTHOID	ST	48+27.35	1813023.53	6258975.26						
TANGENT	ST	48+27.35	1813023.53	6258975.26						
TANGENT	TS	52+00.44	1812786.84	6259263.91						
CLOTHOID	TS	52+00.44	1812786.84	6259263.91						
CLOTHOID	SPE	52+63.78	1812746.81	6259312.8		95	0°32'40"	Right	47.5	0.08
CLOTHOID	SC	52+95.44	1812726.51	6259337.21						
ARC	SC	52+95.44	1812726.51	6259337.21						
ARC	PI	54+86.75	1812536.82	6259560.8	5000	581.52	6°40'06"	Right		
ARC	CC		1808888.54	6256132.53						
ARC	CS	58+77.35	1812328.42	6259761.2						
CLOTHOID	CS	58+77.35	1812328.42	6259761.2						
CLOTHOID	SPE	58+09.03	1812305.44	6259782.99		95	0°32'40"	Right	47.5	0.08
CLOTHOID	ST	59+72.36	1812259.06	6259826.12						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
TANGENT	ST	59+72.36	1812259.06	6259826.12						
TANGENT	TS	77+92.32	1810975.98	6261066.01						
CLOTHOID	TS	77+92.32	1810975.98	6261066.01						
CLOTHOID	SPI	78+16.99	1810835.13	6261130.51	186	57.53	7°54'14"	Left	92.97	1.26
CLOTHOID	SC	78+76.32	1810784.29	6261197.24						
ARC	SC	78+76.32	1810784.29	6261197.24						
ARC	PI	81+43.84	1810685.69	6261321.48	900	326.41	20°46'48"	Left		
ARC	CC		1811477.34	6261789.51						
ARC	CS	83+03.33	1810628.24	6261976.19						
CLOTHOID	CS	83+03.33	1810628.24	6261976.19						
CLOTHOID	SPI	83+47.40	1810606.83	6261334.27		186	57.53	Left	92.97	1.26
CLOTHOID	ST	84+91.32	1810575.67	6261454.51						
TANGENT	ST	84+91.32	1810575.67	6261454.51						
TANGENT	PI	141+45.49	1809129.51	6267065.29						
TANGENT	PI	143+70.81	1809128.51	6267265.29						
TANGENT	POE	144+70.80	1809100.42	6267360.57						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
CLOTHOID	TS	0+00.00	1815580.81	6254738.09						
CLOTHOID	SPE	0+66.67	1815529.95	6254781.19		100	1°30'28"	Right	50	0.02
CLOTHOID	SC	1+00.00	1815503.98	6254802.07						
ARC	SC	1+00.00	1815503.98	6254802.07						
ARC	PI	5+25.80	1813717.17	6257068.72	1900	837.75	25°15'49"	Right		
ARC	CC		1814314.08	6255330.78						
ARC	CS	9+31.75	1814757.98	6257168.2						
CLOTHOID	CS	9+31.75	1814757.98	6257168.2						
CLOTHOID	SPI	9+71.08	1814725.57	6257191.99		100	1°30'28"	Right	50	0.02
CLOTHOID	ST	10+37.75	1814660.38	6257189.83						
TANGENT	ST	10+37.75	1814660.38	6257189.83						
TANGENT	TS	11+76.86	1814526.27	6257218.36						
CLOTHOID	TS	11+76.86	1814526.27	6257218.36						
CLOTHOID	SPE	12+16.86	1814438.93	6257233.16		150	3°34'53"	Left	74.99	0.18
CLOTHOID	SC	13+26.86	1814380.25	6257252.6						
ARC	SC	13+26.86	1814380.25	6257252.6						
ARC	PE	14+36.17	1814384.05	6257383.1	1200	750.53	37°50'27"	Left		
ARC	CC		1814722.63	6256408.49						
ARC	CS	21+17.17	1813738.95	6257693.43						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
CLOTHOID	CS	21+17.17	1813738.95	6257693.43						
CLOTHOID	SPE	21+83.39	1813705.47	6257753.6		150	3°34'53"	Left	74.99	0.18
CLOTHOID	ST	22+67.17	1813654.67	6257817.49						
TANGENT	ST	22+67.17	1813654.67	6257817.49						
TANGENT	TS	31+37.85	1813180.65	6258547.57						
CLOTHOID	TS	31+37.85	1813180.65	6258547.57						
CLOTHOID	SPI	32+37.85	1813126.19	6258631.45		150	0°51'34"	Right	75	0.13
CLOTHOID	SC	32+87.85	1813098.34	6258672.87						
ARC	SC	32+87.85	1813098.34	6258672.87						
ARC	PE	34+54.08	1813016.87	6258786.62	5000	292.39	3°21'09"	Right		
ARC	CC		1808945.03	6255887.59						
ARC	CS	35+80.24	1812928.45	6259210.89						
CLOTHOID	CS	35+80.24	1812928.45	6259210.89						
CLOTHOID	SPE	36+30.24	1812898.23	6258850.73		150	0°51'34"	Right	75	0.13
CLOTHOID	ST	37+30.24	1812836.56	6259029.45						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	K	P
TANGENT	ST	37+30.24	1812836.56	6259029.45						
TANGENT	TS	41+47.35	1812576.39	6259372.85						
CLOTHOID	TS	41+47.35	1812576.39	6259372.85						
CLOTHOID	SPE	42+54.02	1812513.63	6259441.84		160	0°39'17"	Right	80	0.13
CLOTHOID	SC	43+07.35	1812485.27	6259483.45						
ARC	SC	43+07.35	1812480.27	6259483.45						
ARC	PI	47+78.41	1812180.63	6259850.98	7000	940.69	7°41'09"	Right		
ARC	CC		1801101.68	6250154.97						
ARC	CS	52+48.04	1811844.8	6260175.71						
CLOTHOID	CS	52+48.04	1811844.8	6260175.71						
CLOTHOID	SPE	53+01.37	1811805.72	6260212.65		160	0°39'17"	Right	80	0.13
CLOTHOID	ST	53+41.04	1811737.68	6260285.13						
TANGENT	ST	54+08.04	1811737.68	6260285.13						
TANGENT	POE	90+84.75	1809635.45	6262789.21						

UPRR HOLLISTER HORIZONTAL ALIGNMENT

SAN JOSE TO CVY EIR/S: VOLUME III
ALTERNATIVE 4
BOOK 4D
SHEET 114 OF 176

2020 RECORD SET PDFS

NOVEMBER 30, 2020

NOT FOR CONSTRUCTION

HNTB
111 Broadway
Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
CP COAST TO GILROY
BLENDED AT-GRADE ALTERNATIVE
MAINTENANCE OF WAY FACILITY
UPRR AND MOWF ACCESS GEOMETRIES

CONTRACT NO.
HSR15-54

DRAWING NO.
M7-G4106

DESIGNED BY
A.S. SHOMA

CHECKED BY
HNTB