

California High-Speed Rail Authority

Fresno to Bakersfield Section

Draft Supplemental
Environmental Impact Report / Environmental Impact Statement

Volume III:
Alignment Plans, Profiles and Cross Sections

March 2017



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DRAWING NO.	REV NO.	DRAWING DESCRIPTION
		TRACK GUIDEWAY
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TT-B0004		GENERAL - ABBREVIATIONS AND SYMBOLS SHEET 2
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TT-D1034		TRACK GUIDEWAY - STA 6786+00 TO 6814+00 - PLAN AND PROFILE
TT-D1035		TRACK GUIDEWAY - STA 6814+00 TO 6828+00 - PLAN AND PROFILE

DRAWING NO.	REV NO.	DRAWING DESCRIPTION
		TRACK GUIDEWAY
TT-D1036		TRACK GUIDEWAY - STA 6828+00 TO 6842+00 - PLAN AND PROFILE
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TT-D1038		TRACK GUIDEWAY - STA 6856+00 TO 6870+00 - PLAN AND PROFILE
TT-D1039		TRACK GUIDEWAY - STA 6870+00 TO 6884+00 - PLAN AND PROFILE
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TT-D1049		TRACK GUIDEWAY - STATION TRACKS - STA 26+00 TO 48+93 - PLAN AND PROFILE
TT-D1050		TRACK GUIDEWAY - STATION NB STORAGE TRACK - PLAN AND PROFILE
TT-D1051		TRACK GUIDEWAY - STATION SB STORAGE TRACK - PLAN AND PROFILE
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TT-D1057		BNSF TOR PROFILE - STA 916+00 TO STA 972+00 - SHEET 2
TT-D1058		BNSF TOR PROFILE - STA 972+00 TO STA 1028+00 - SHEET 3
TT-D1059		BNSF TOR PROFILE - STA 1028+00 TO STA 1084+00 - SHEET 4
TT-D1060		BNSF TOR PROFILE - STA 1084+00 TO STA 1122+00 - SHEET 5

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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CHECKED BY
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P. PIENTON
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**

TYLIN INTERNATIONAL



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
INDEX OF DRAWINGS

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-B0001
SCALE
NO SCALE
SHEET NO.

GENERAL NOTES

1. HST ALIGNMENT CONTROL LINE IS DESIGNED AS THE CENTERLINE OF THE SOUTHBOUND MAINLINE TRACK.
2. TRACK PROFILE IS DESIGNED AS TOP OF THE SOUTHBOUND LOW RAIL. VERTICAL CLEARANCE REQUIREMENTS ARE MEASURED FROM THE TOP OF THE HIGH RAIL ON SUPERELEVATED TRACK. THE CLEARANCE ENVELOPES SHOWN DEMONSTRATE THE MINIMUM CLEARANCE REQUIREMENTS.
3. MINIMUM VERTICAL CLEARANCE REQUIREMENTS TO CANALS AND DITCHES ARE NOT KNOWN. FURTHER CONSULTATION WITH THE WATERCOURSE OWNERS WILL BE REQUIRED TO DETERMINE NECESSARY CLEARANCES.
4. THE FOLLOWING ARE ROADWAY DESIGN STANDARDS AND GUIDELINES:
 - A. CALTRANS HIGHWAY DESIGN MANUAL (2015)
 - B. AASHTO A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS (2011)
 - C. AASHTO ROADSIDE DESIGN GUIDE (2011)
 - D. APPLICABLE LOCAL DESIGN STANDARD AND GUIDELINES (I.E., CITY OF BAKERSFIELD)
5. THE FEMA FLOODPLAIN BOUNDARIES ARE CALLED OUT AS "LIMIT OF 100YR FEMA FLOODPLAIN". THE LIMITS OF THE MODELED 100 YEAR WATER SURFACE ELEVATIONS (WSE) ARE APPROXIMATE.
6. THE STRUCTURE DESIGN ASSUMES THAT THE DEPTH FROM TOR TO TOP OF DECK IS 2'-6" THROUGHOUT. HOWEVER, WHERE BALLASTED TRACK FORM IS USED, THE HEIGHT FROM TOR TO DECK SHALL BE 2'-9" PLUS AN ALLOWANCE FOR WATERPROOF MEMBRANE, AND PROTECTION LAYER IF REQUIRED. FOR SLAB TRACKFORM, THE HEIGHT FROM TOR TO DECK SHALL BE 2'-6" PLUS AN ALLOWANCE FOR WATERPROOF MEMBRANE AND PROTECTION LAYER IF REQUIRED.
7. WHERE THE VERTICAL ALIGNMENT GRADE IS LESS THAN 0.5% THE UPPER SURFACE OF THE VIADUCT STRUCTURE SHALL BE PROFILED TO GIVE A MINIMUM LONGITUDINAL FALL OF 0.5%. TYPICALLY FOR A SPAN OF 120'-00" ON A 0% GRADE SECTION OF VIADUCT THIS COULD BE ACHIEVED BY MODIFYING THE CROSS SLOPE OF THE GIRDER LINEARLY BETWEEN 0.8% AT MID-SPAN TO 2% AT EACH END.
8. WHEN LATERAL SEPARATION BETWEEN THE CONVENTIONAL RAILROAD AND HST SYSTEM IS LESS THAN 102', A SITE SPECIFIC HAZARD ANALYSIS WILL BE CONDUCTED TO DETERMINE WHAT SPECIFIC COLLISION PROTECTION MEASURES MAY NEED TO BE IMPLEMENTED.

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10/28/2016

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FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GENERAL NOTES

CONTRACT NO.
HSR13-44
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NO SCALE
 SHEET NO.

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A

AB AGGREGATE BASE
 ABBC ASBESTOS BONDED BITUMINOUS COATED
 ABM AIR-BLOWN MORTAR
 ABN ABANDON
 ABUT ABUTMENT
 AC ASPHALT CONCRETE
 ACB ASPHALT CONCRETE BASE
 ACP ASBESTOS CEMENT PIPE
 ADL ADDED DEAD LOAD
 ADJ ADJUST
 AFES ALTERNATIVE FLARED END SECTION
 AHD AHEAD
 ALT ALTERNATE
 AM TIME FROM MIDNIGHT TO NOON
 AP ALTERNATIVE PIPE
 APC ALTERNATIVE PIPE CULVERT
 APPROX APPROXIMATE
 APU ALTERNATIVE PIPE UNDERDRAIN
 ARS ACCELERATION RESPONSE SPECTRUM
 AR ACCESS RESTRICTION
 AS AGGREGATE SUBBASE
 ASRP ALUMINUM SPIRAL RIB PIPE
 ASSY ASSEMBLY
 ATPB ASPHALT TREATED PERMEABLE BASE
 ATPM ASPHALT TREATED PERMEABLE MATERIAL
 AVE AVENUE
 AVG AVERAGE
 @ AT

B

BAGR BRIDGE APPROACH GUARD RAILING
 BB BEGINNING OF BRIDGE
 BC BEGIN HORIZONTAL CURVE
 BCC BALANCED CANTILEVER CONSTRUCTION
 BCR BEGIN CURB RETURN
 BEG BEGIN
 BIT CTD BITUMINOUS COATED
 BK BACK
 BKF BACKFILL
 BLDG BUILDING
 BLM BRIDGE-LOG MILE
 BLVD BOULEVARD
 BM BENCH MARK
 BND BOUND
 BNSF BNSF RAILWAY
 BOT BOTTOM
 BP BAKERSFIELD TO PALMDALE
 BR BRIDGE
 BRG BEARING
 BTU BRITISH THERMAL UNIT
 BVC BEGIN VERTICAL CURVE
 BW BARBED WIRE

C

CAA CABLE ANCHOR ASSEMBLY
 CAP CORRUGATED ALUMINUM PIPE
 CAPA CORRUGATED ALUMINUM PIPE ARCH
 CAS CONSTRUCTION AREA SIGN
 CB CONCRETE BARRIER
 CBW CONCRETE BLOCK WALL
 C-C CENTER TO CENTER

C CONTINUED

CHSRA CALIFORNIA HIGH SPEED RAIL AUTHORITY
 CHST CALIFORNIA HIGH SPEED TRAIN
 CHSR CALIFORNIA HIGH SPEED RAIL
 CG CENTER OF GRAVITY
 CHNL CHANNEL
 CI CAST IRON
 CIDH CAST-IN-DRILLED-HOLE
 CIP,C-I-P CAST-IN-PLACE, CAST IRON PIPE
 CIPCP CAST IN PLACE CONCRETE PIPE
 CISS CAST-IN-STEEL-SHELL
 CJP COMPLETE JOINT PENETRATION
 C CENTERLINE
 CL2 CLASS 2
 CL-6 CHAIN LINK FENCE (6 FT)
 CLF CHAIN LINK FENCE
 CLR CLEAR, CLEARANCE
 CM CORRUGATED METAL
 CMP CORRUGATED METAL PIPE
 CO COUNTY
 COL COLUMN
 CONC CONCRETE
 COND CONDUIT
 CONN CONNECTOR
 CONST CONSTRUCT, CONSTRUCTION
 CONT CONTINUOUS
 COORD COORDINATE
 CP CANDLEPOWER, CLEAR POINT
 CR CREEK
 CRCP CONTINUOUS REINFORCED CONCRETE PAVEMENT
 CRSP CONCRETE ROCK SLOPE PROTECTION
 CS CURVE TO SPIRAL
 CSP CORRUGATED STEEL PIPE
 CSPA CORRUGATED STEEL PIPE ARCH
 CT CALIFORNIA DEPARTMENT OF TRANSPORTATION
 CTB CEMENT TREATED BASE
 CTPB CEMENT TREATED PERMEABLE BASE
 CTPM CEMENT TREATED PERMEABLE MATERIAL
 CTRS CENTERS
 CVFPPB CENTRAL VALLEY FLOOD PROTECTION BOARD
 CULV CULVERT
 C CENTERLINE

D

D DEPTH
 Dc DEGREE OF CURVE
 DD DOWNDRAIN, DIRECTIVE DRILLING
 DBL DOUBLE
 DEG DEGREE
 DEL DELINEATOR
 DET DETAIL, DETOUR
 DF DOUGLAS FIR
 DI DRAINAGE INLET, DROP INLET
 DIA DIAMETER
 DIAPH DIAPHRAGM
 DIST DISTANCE, DISTRICT
 DMBB DOUBLE METAL BEAM BARRIER
 DR DRIVE
 DTBB DOUBLE THRIE BEAM BARRIER
 DWY DRIVEWAY

E

E EAST, EASTING
 EA ACTUAL SUPERELEVATION
 EU UNBALANCED SUPERELEVATION
 EASE EASEMENT
 EB END OF BRIDGE, EASTBOUND
 EC END HORIZONTAL CURVE
 ECR END CURB RETURN
 ED EDGE DRAIN
 EDC EDGE DRAIN CLEANOUT
 EDO EDGE DRAIN OUTLET
 EDV EDGE DRAIN VENT
 ELEC ELECTROLIER
 ELECT ELECTRIC
 ELEV ELEVATION
 ENV ENVIRONMENT
 EMB EMBANKMENT
 ENGR ENGINEER
 EOD EDGE OF DECK
 EP EDGE OF PAVEMENT
 EQ EQUATION, EQUAL
 ES EDGE OF SHOULDER
 ETW EDGE OF TRAVELED WAY
 EVC END VERTICAL CURVE
 EW ENDWALL
 EXC EXCAVATION
 EXIST, EX. EXISTING
 EXP EXPANSION
 EXP JT EXPANSION JOINT
 EXWY EXPRESSWAY
 EXT EXTERIOR

F

F & C FRAME AND COVER
 F & G FRAME AND GRATE
 FB FLOOR BEAM
 FB LGA FRESNO TO BAKERSFIELD LOCALLY GENERATED ALTERNATIVE
 F-B FRESNO TO BAKERSFIELD
 FDN FOUNDATION
 FEBT FACING EASTBOUND TRAFFIC
 FEMA FEDERAL EMERGENCY MANAGEMENT AGENCY
 FES FLARED END SECTION
 FF FILTER FABRIC
 FG FINISHED GRADE
 FH FIRE HYDRANT
 FIG FIGURE
 FL FLOW LINE
 FNBT FACING NORTHBOUND TRAFFIC
 FOC FACE OF CONCRETE
 FR RD FRONTAGE ROAD
 FS FAR SIDE, FINISHED SURFACE
 FSBT FACING SOUTHBOUND TRAFFIC
 FT FOOT, FEET
 FTG FOOTING
 FWBT FACING WESTBOUND TRAFFIC
 FWY FREEWAY
 FPLM FULL SPAN PRECAST LAUNCHING METHOD

G

G ACCELERATION DUE TO GRAVITY

G CONTINUED

GA GAGE
 GALV GALVANIZED
 GIS GEOGRAPHIC INFORMATION SYSTEM
 GP GRADING PLANE
 GR GUARD RAILING
 GSP GALVANIZED STEEL PIPE
 GTR GUTTER

H

H HEIGHT
 HR HOUR
 HD HORIZONTAL DRAIN
 HDM HIGHWAY DESIGN MANUAL
 HDWL HEADWALL
 HEX HD HEXAGONAL HEAD
 HMA HOT MIXED ASPHALT
 HORIZ HORIZONTAL
 HP HINGE POINT, HORSEPOWER
 HPS HIGH PERFORMANCE STEEL
 HS HIGH STRENGTH
 HST HIGH SPEED TRAIN
 HSR HIGH SPEED RAIL
 HW HEADWALL, HIGH WATER
 HWM HIGH WATER MARK
 HWY HIGHWAY

I

IB IMPORTED BORROW
 ID INSIDE DIAMETER
 IF INSIDE FACE
 IN INCH, INCHES
 INT INTERIOR
 INV INVERT
 IRR IRRIGATION

J

JCT JUNCTION
 JP JOINT POLE
 JPCP JOINTED PLAIN CONCRETE PAVEMENT
 JS JUNCTION STRUCTURE
 JT JOINT

K

K DISTANCE TO ACHIEVE 1% GRADE CHANGE

L

L LENGTH
 LAT LATITUDE
 LCB LEAN CONCRETE BASE
 LHTO LEFT HAND TURN OUT
 LN LANE
 LOC LOCATION
 LOL LAYOUT LINE
 LONG LONGITUDE
 LONGIT LONGITUDINAL
 LS LENGTH OF SPIRAL
 LC LENGTH OF CURVE
 LT LEFT

M

MAINT MAINTENANCE
 MAX MAXIMUM
 MB METAL BEAM

M CONTINUED

MBB METAL BEAM BARRIER
 MBGR METAL BEAM GUARD RAILING
 MED MEDIAN
 MGS MIDWEST GUARDRAIL SYSTEM
 MH MANHOLE
 MIN MINIMUM
 MISC MISCELLANEOUS
 MISC I & S MISCELLANEOUS IRON AND STEEL
 MKR MARKER
 M/L MAIN LINE (RAILWAY)
 MOD MODIFIED, MODIFY
 MON MONUMENT
 MOIF MAINTAINANCE OF INFRASTRUCTURE FACILITY
 MP METAL PLATE
 MPGR METAL PLATE GUARD RAILING
 MPH MILES PER HOUR
 MR MOVEMENT RATING
 MSE MECHANICALLY STABILIZED EARTH
 MTL MATERIAL
 MSS MOVING SCAFFOLDING SYSTEM
 MVP MAINTENANCE VEHICLE PULLOUT

N

N NORTH, NORTHING
 NB NORTHBOUND
 NO. NUMBER (MUST HAVE PERIOD)
 NOS. NUMBERS (MUST HAVE PERIOD)
 NPS NOMINAL PIPE SIZE
 NS NEAR SIDE
 NTS NOT TO SCALE
 N/A NOT APPLICABLE

O

OBLR OBLITERATE
 OC OVERCROSSING
 OCS OVERHEAD CONTACT SYSTEM
 OD OUTSIDE DIAMETER
 OF OUTSIDE FACE
 OG ORIGINAL GROUND
 OGAC OPEN GRADED ASPHALT CONCRETE
 OH OVERHEAD
 O-O OUT TO OUT
 OPP OPPOSITE

P

P PAGE
 PAP PERFORATED ALUMINUM PIPE
 PB PULL BOX
 PC POINT OF CURVATURE, PRECAST
 PCC POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
 PCP PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
 PCVC POINT OF COMPOUND VERTICAL CURVE
 PED PEDESTRIAN
 PED OC PEDESTRIAN OVERCROSSING
 PED UC PEDESTRIAN UNDERCROSSING
 PERM MTL PERMEABLE MATERIAL
 PG PROFILE GRADE
 PI POINT OF INTERSECTION
 PITO POINT OF INTERSECTION TURNOUT

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P CONTINUED

PJP	PARTIAL JOINT PENETRATION
PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POB	POINT OF BEGINNING
POC	POINT OF HORIZONTAL CURVE
POE	POINT OF ENDING
POT	POINT OF TANGENT
POTO	POWER OPERATED TURNOUT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PROP	PROPOSED
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED, PARALLEL STATION
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
Q	
QTY	QUANTITY
R	
R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RD	ROAD
REINF	REINFORCED, REINFORCEMENT, REINFORCING
REL	RELOCATE
REPL	REPLACEMENT
RET	RETAINING
REV	REVISED
RDWY	ROADWAY
RHTO	RIGHT HAND TURN OUT
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
RTE	ROUTE
RW	REDWOOD, RETAINING WALL
R/W, ROW	RIGHT OF WAY
RWY	RAILWAY
S	
S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
SALV	SALVAGE

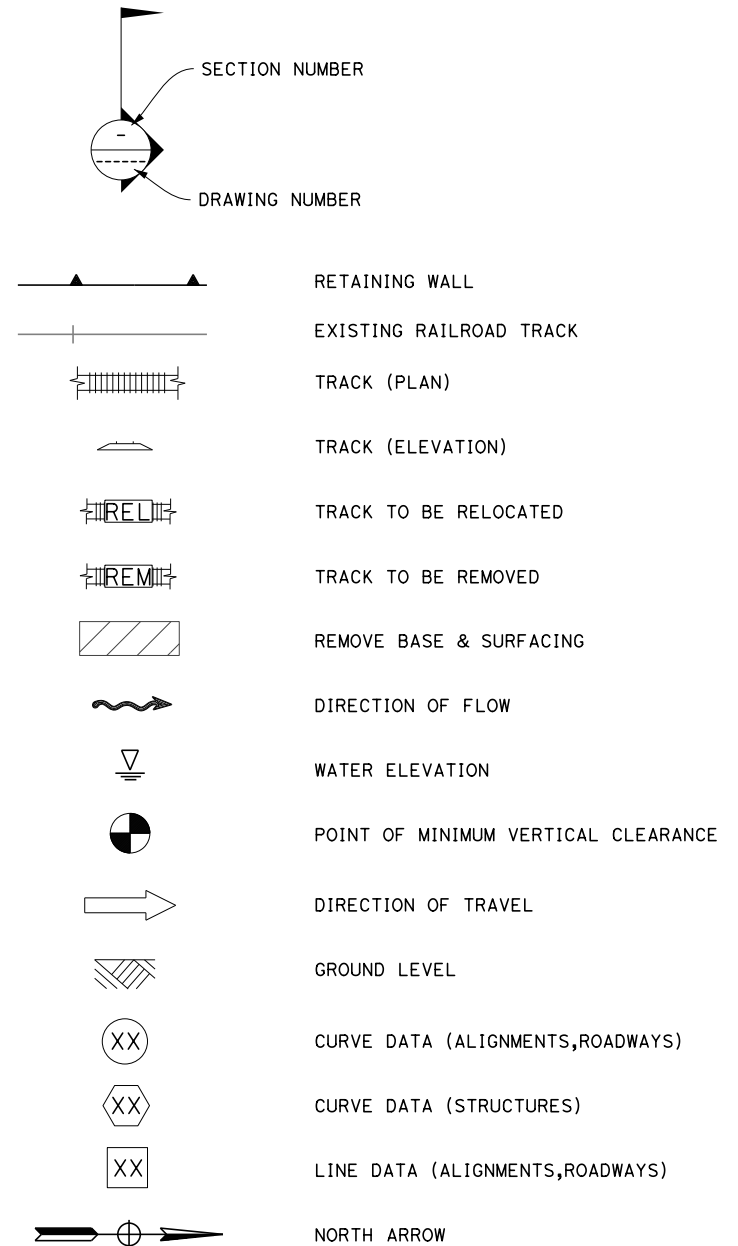
S CONTINUED

SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SPIRAL TO CURVE
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
SEC	SECOND
SECT	SECTION
SEP	SEPARATION
SG	SUBGRADE
SHLD	SHOULDER
SHT	SHEET
SIM	SIMILAR
S	STATION LINE
SM	SELECTED MATERIAL
SPEC	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SS	SLOPE STAKE, SPIRAL TO SPIRAL, SWITCHING STATION
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
SR	STATE ROUTE
ST	STREET, SPIRAL TO TANGENT
STA	STATION
STBB	SINGLE THRIE BEAM BARRIER
STD	STANDARD
STR	STRUCTURE
SRS	STAND ALONE RADIO SITE
SURF	SURFACING
SW	SIDEWALK, SOUND WALL
SWR	SEWER
SWS	SWITCHING STATION
SYM	SYMMETRICAL
S4S	SURFACE 4 SIDES
SJVR	SAN JOAQUIN VALLEY RAILROAD
T	
T	SEMI-TANGENT
TAB	TABLET
TAN	TANGENT
TBB	THRIE BEAM BARRIER
TBR	TIMBER
TC	TOP OF CURB, TANGENT TO CURVE
TCB	TRAFFIC CONTROL BOX
TEL	TELEPHONE
TEMP	TEMPORARY
TG	TOP OF GRADE
TM	TECHNICAL MEMORANDUM
TO	TURN OUT
TOR	TOP OF RAIL
TOT	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
TPSS	TRACTION POWER SUPPLY STATION
TRANS	TRANSITION, TRANSVERSE
TS	TRAFFIC SIGNAL, TUBULAR STEEL, TANGENT TO SPIRAL

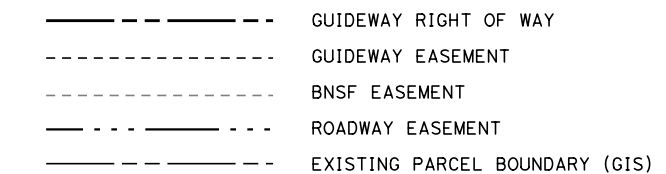
T CONTINUED

TYP	TYPICAL
TW	TRAVEL WAY
TWLT	TWO WAY LEFT TURN
U	
UC	UNDERCROSSING
UD	UNDERDRAIN
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
UPRR	UNION PACIFIC RAILROAD
USFWS	UNITED STATES FISH AND WILDLIFE SERVICE
W	
W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
WT	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE
W/	WITH
X	
X SEC	CROSS SECTION
XING	CROSSING
Y	
YL	YARD LEAD
YR	YEAR
YRS	YEARS
V	
V	VALVE, DESIGN SPEED
VAR	VARIABLE
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VIA	VIADUCT
VOL	VOLUME
VPI	VERTICAL POINT OF INTERSECTION

LEGEND



R/W AND EASEMENT LEGEND



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IN CHARGE P. PIENTON
DATE 10/28/2016

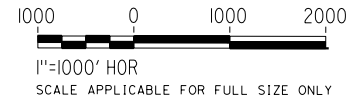
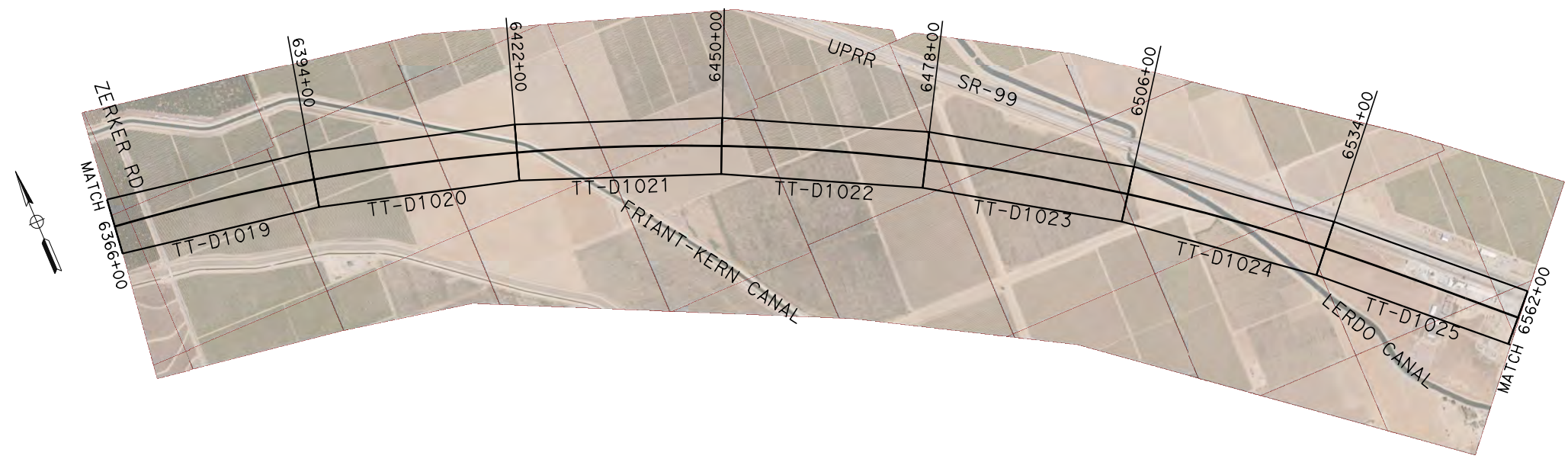
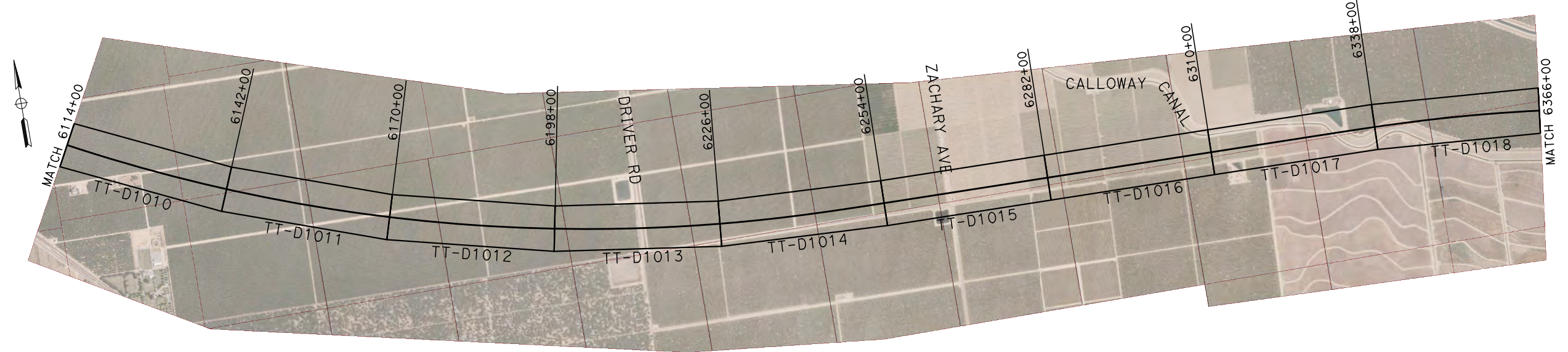
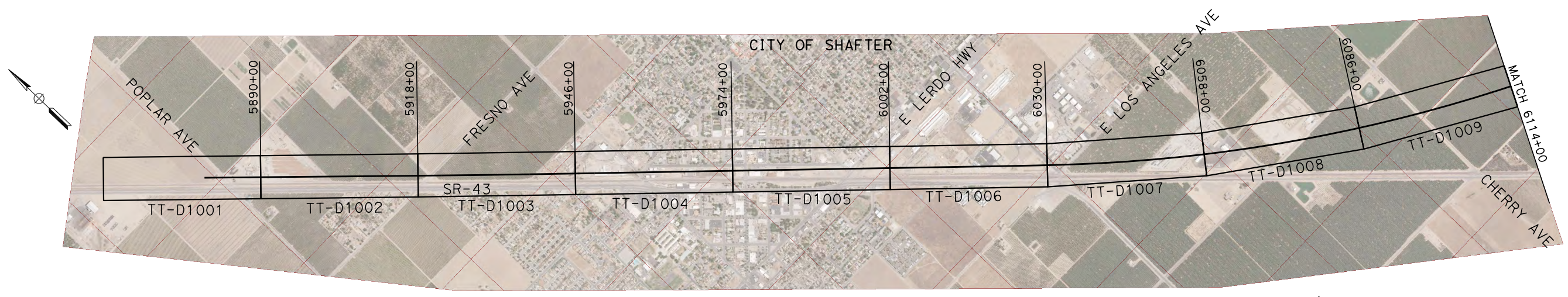
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PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 ABBREVIATIONS AND SYMBOLS SHEET 2

CONTRACT NO. HSR13-44
DRAWING NO. TT-B0004
SCALE NO SCALE
SHEET NO.

TYLIN\jtrejo 10/26/2016 5:43:14 PM \$PENTBL\$.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-B0005.dgn



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P. PIENTON
DATE
10/28/2016

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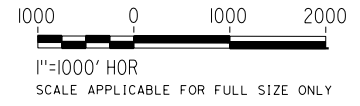
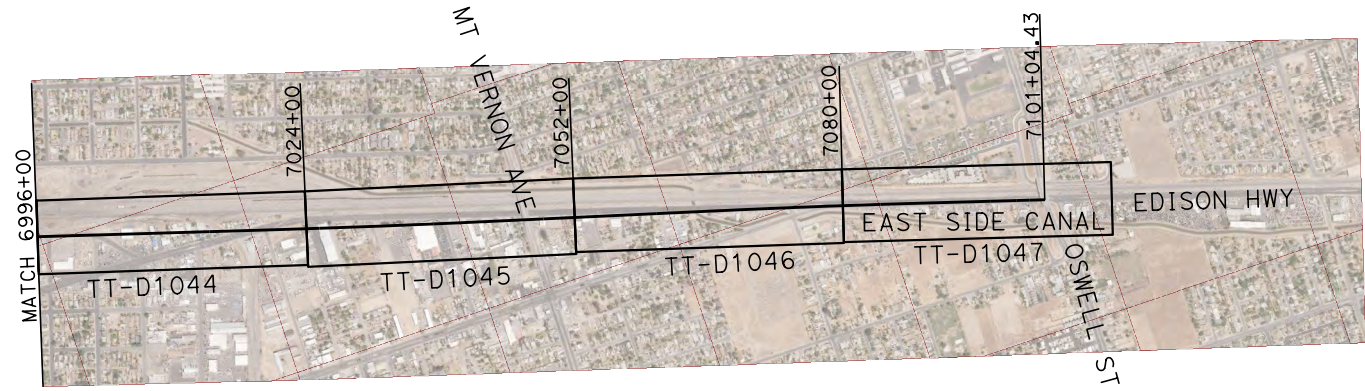
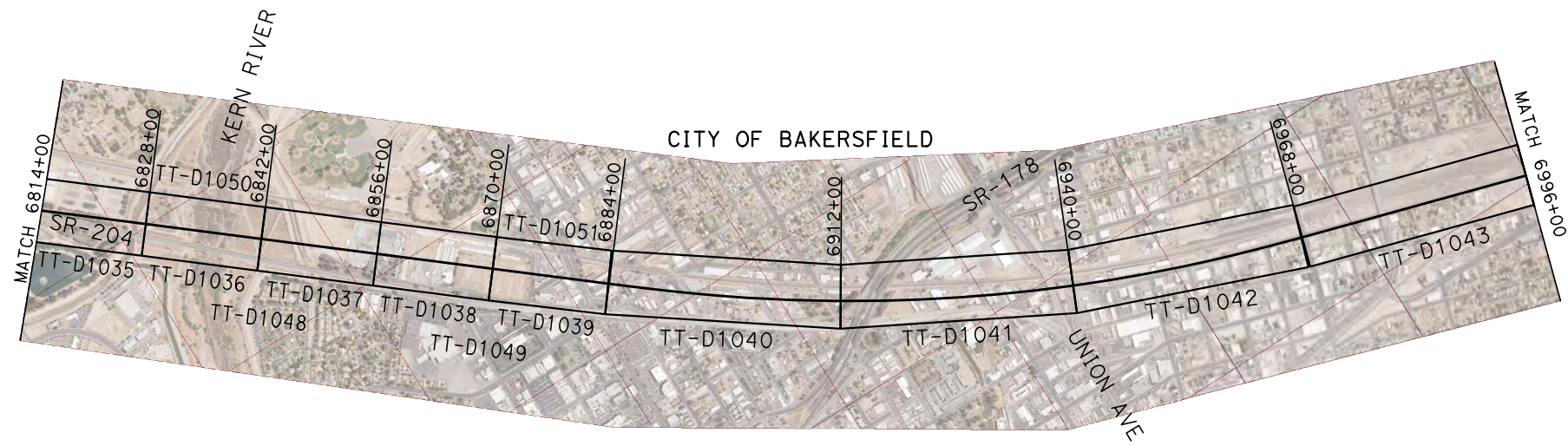
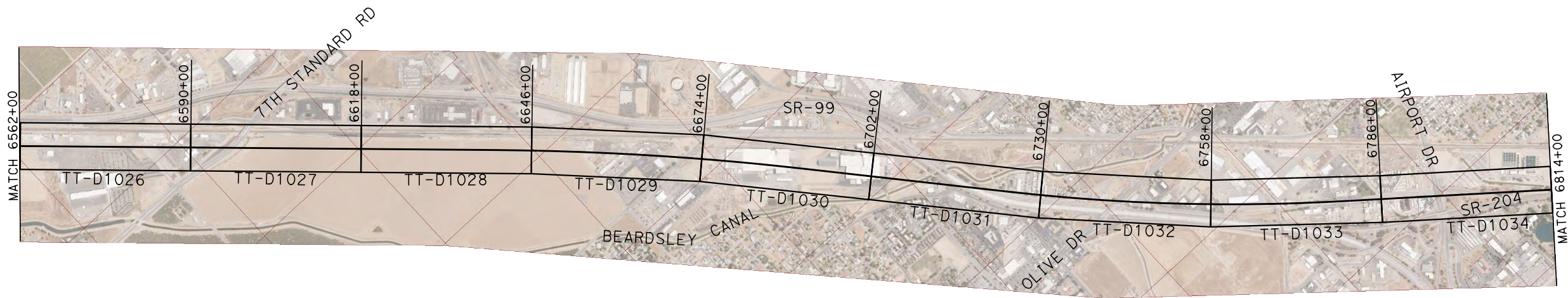
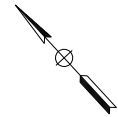
TYLIN INTERNATIONAL



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
KEY MAP SHEET 1

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-B0005
SCALE
AS SHOWN
SHEET NO.

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N. OLINO
CHECKED BY
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IN CHARGE
P. PIENTON
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10/28/2016

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
KEY MAP SHEET 2

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-B0006
SCALE
AS SHOWN
SHEET NO.

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FB LGA SB TRACK GEOMETRY DATA													
CURVE NO.	DESCRIPTION	BEARING	DISTANCE (ft)	STATION	NORTHING	EASTING	R (FT)	Lc (FT)	SPIRAL TYPE	LS (FT)	Ea (IN)	Eu (IN)	V (MPH)
	POB/POT			5880+00.00	2378880.686	6175820.232							
101	TS	S44°17'09.7"E	3060.451	5910+60.45	2376689.822	6177957.164	350000.00	1579.08	HALF-SINE	1150.00	0.00	0.71	250
	SC			5922+10.45	2375866.972	6178760.543							
	CS			5937+89.53	2374740.872	6179867.521							
	ST			5949+39.53	2373923.521	6180676.494							
102	TS	S44°43'58.0"E	6772.408	6017+11.94	2369112.423	6185442.924	28016.50	19228.08	HALF-SINE	2500.00	6.00	2.92	250
	SC			6042+11.94	2367360.092	6187225.668							
	CS			6234+40.03	2359978.689	6204573.513							
	ST			6259+40.03	2359909.248	6207072.317							
103	TS	S89°10'05.9"E	6474.090	6324+14.12	2359815.273	6213545.725	28000.00	18188.38	HALF-SINE	2500.00	6.00	2.93	250
	SC			6349+14.12	2359745.812	6216044.528							
	CS			6531+02.49	2353051.837	6232613.704							
	ST			6556+02.49	2351366.067	6234459.515							
104	TS	S46°50'02.8"E	7755.053	6633+57.55	2346060.735	6240115.867	48000.00	3615.96	HALF-SINE	1350.00	3.25	1.96	250
	SC			6647+07.55	2345133.082	6241096.645							
	CS			6683+23.50	2342526.917	6243602.012							
	ST			6696+73.50	2341510.329	6244490.277							
105	TS	S40°54'23.2"E	2071.612	6717+45.12	2339944.647	6245846.822	32000.00	3740.45	HALF-SINE	1600.00	5.00	2.81	250
	SC			6733+45.12	2338743.256	6246903.473							
	CS			6770+85.57	2336131.769	6249578.393							
	ST			6786+85.57	2335104.250	6250804.792							
106	TS	S50°28'06.6"E	9121.617	6878+07.18	2329298.318	6257840.064	19516.50	5759.88	HALF-SINE	2000.00	7.00	2.91	220
	SC			6898+07.18	2328049.114	6259401.638							
	CS			6955+67.06	2325342.363	6264462.228							
	ST			6975+67.06	2324736.921	6266368.131							
107	TS	S73°14'58.7"E	3821.897	7013+88.96	2323635.442	6270027.863	135000.00	1185.16	HALF-SINE	1150.00	0.00	1.85	250
	SC			7025+38.96	2323305.404	6271129.486							
	CS			7037+24.12	2322973.666	6272267.270							
	ST			7048+74.12	2322659.929	6273373.646							
108	TS	S74°14'26.6"E	1181.305	7060+55.43	2322339.091	6274510.547	120000.00	1182.15	HALF-SINE	1150.00	1.00	1.08	250
	SC			7072+05.43	2322025.178	6275616.873							
	CS			7083+87.57	2321693.073	6276751.406							
	ST			7095+37.57	2321360.856	6277852.374							
	POE/POT			7101.04.43	2321196.327	6278394.828							

BNSF M/L 1 TRACK GEOMETRY DATA													
CURVE NO.	DESCRIPTION	BEARING	DISTANCE (ft)	STATION	NORTHING	EASTING	Dc (DEGREES)	Lc (FT)	SPIRAL TYPE	LS (FT)	Ea (IN)	Eu (IN)	V (MPH)
	POB/POT			869+00.00	2379573.561	6174955.191							
B-1	TS	S44°16'52.2"E	25.765	869+25.77	2379555.115	6174973.179	0°30'0"	162.78	CLOTHOID	100.00	0.50	1.68	79
	SC			870+25.77	2379483.422	6175042.893							
	CS			871+88.55	2379365.587	6175155.200							
	ST			872+88.55	2379292.512	6175223.464							
B-2	TS	S42°58'02.1"E	530.016	878+18.56	2378904.677	6175584.713	0°30'0"	163.02	CLOTHOID	100.00	0.50	1.68	79
	SC			879+18.56	2378831.602	6175652.977							
	CS			880+81.58	2378713.598	6175765.448							
	ST			881+81.58	2378641.906	6175835.163							
B-3	TS	S44°16'56.4"E	22775.779	1109+57.36	2362336.544	6191737.089	0°30'0"	160.26	CLOTHOID	100.00	0.50	1.68	79
	SC			1110+57.36	2362265.055	6191807.013							
	CS			1112+17.62	2362151.602	6191920.201							
	ST			1113+17.62	2362081.511	6191991.526							
B-4	TS	S45°35'01.1"E	511.964	1118+29.59	2361723.204	6192357.208	0°30'0"	159.63	CLOTHOID	100.00	0.50	1.68	79
	SC			1119+29.59	2361653.113	6192428.534							
	CS			1120+89.22	2361540.108	6192541.282							
	ST			1121+89.22	2361468.623	6192611.209							
	POE/POT			1122+00.00	2361460.906	6192618.735							

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
N. OLINO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

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SUBMISSION

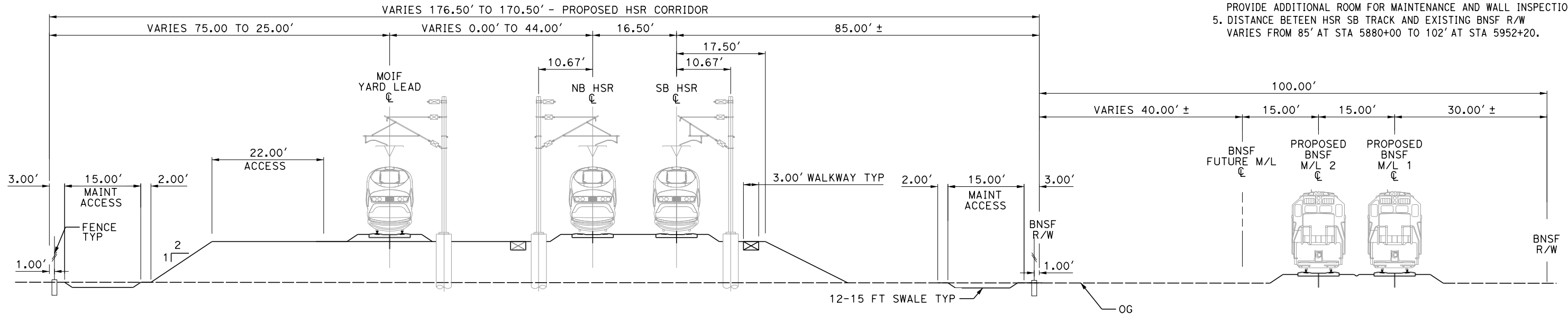


CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 HORIZONTAL ALIGNMENT DATA TABLE

CONTRACT NO.
 HSR13-44
 DRAWING NO.
 TT-B0007
 SCALE
 AS SHOWN
 SHEET NO.

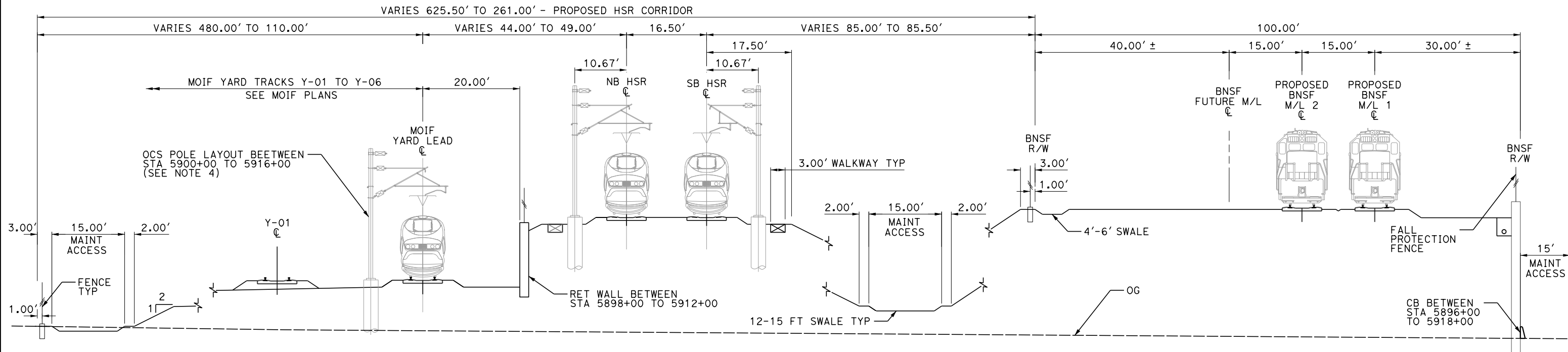
NOTES:

1. TRACKFORM IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.
4. OCS POLE LAYOUT TRANSITIONS TO THE OUTSIDE AT RETAINING WALL TO PROVIDE ADDITIONAL ROOM FOR MAINTENANCE AND WALL INSPECTION.
5. DISTANCE BETWEEN HSR SB TRACK AND EXISTING BNSF R/W VARIES FROM 85' AT STA 5880+00 TO 102' AT STA 5952+20.



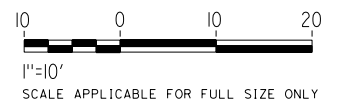
SECTION 1

TWIN TRACK AND MOIF YARD LEAD - EMBANKMENT ADJACENT TO BNSF
5880+00 TO 5884+74



SECTION 2

TWIN TRACK AND MOIF YARD - EMBANKMENT ADJACENT TO BNSF, CENTER ACCESS RD
5884+74 TO 5918+00



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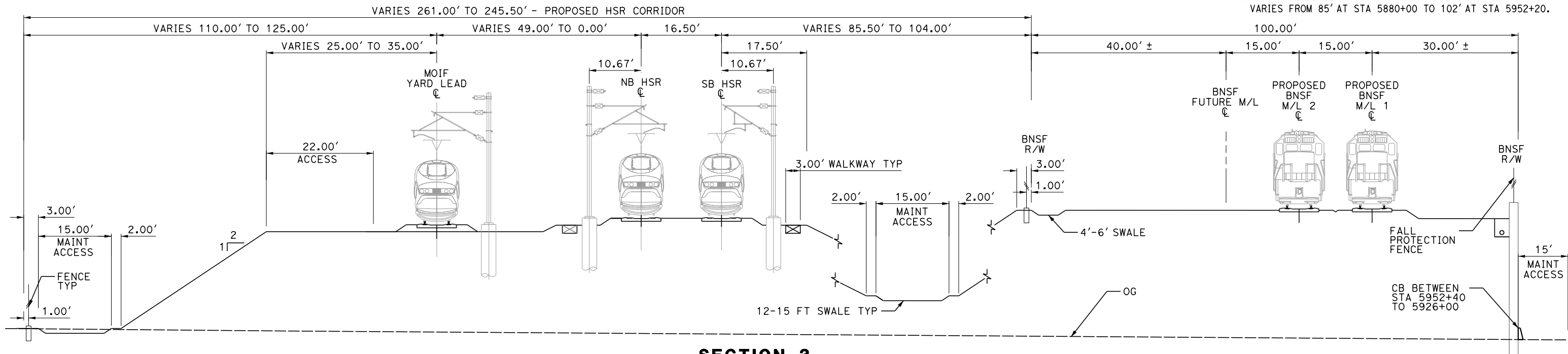


**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 TYPICAL SECTIONS SHEET 1

CONTRACT NO. HSR13-44
DRAWING NO. TT-B0008
SCALE AS SHOWN
SHEET NO.

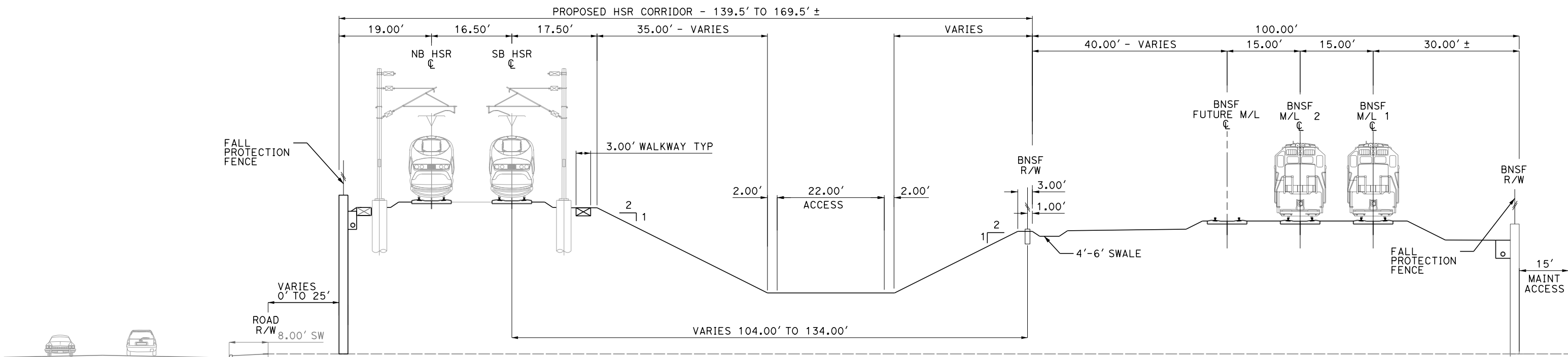
NOTES:

1. TRACKFORM IS INDICATIVE.
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.
4. DISTANCE BETWEEN HSR SB TRACK AND EXISTING BNSF R/W VARIES FROM 85' AT STA 5880+00 TO 102' AT STA 5952+20.



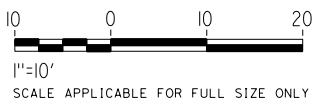
SECTION 3

TWIN TRACK AND YARD LEAD - EMBANKMENT ADJACENT TO RETAINED BNSF
 STA 5918+00 TO 5919+82
 STA 5922+02 TO 5953+57



SECTION 4

TWIN TRACK - ADJACENT TO RETAINED BNSF AND WALKER ST
 5954+75 TO 5975+89
 5977+07 TO 5992+48



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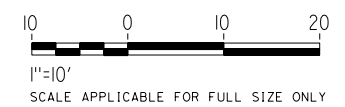
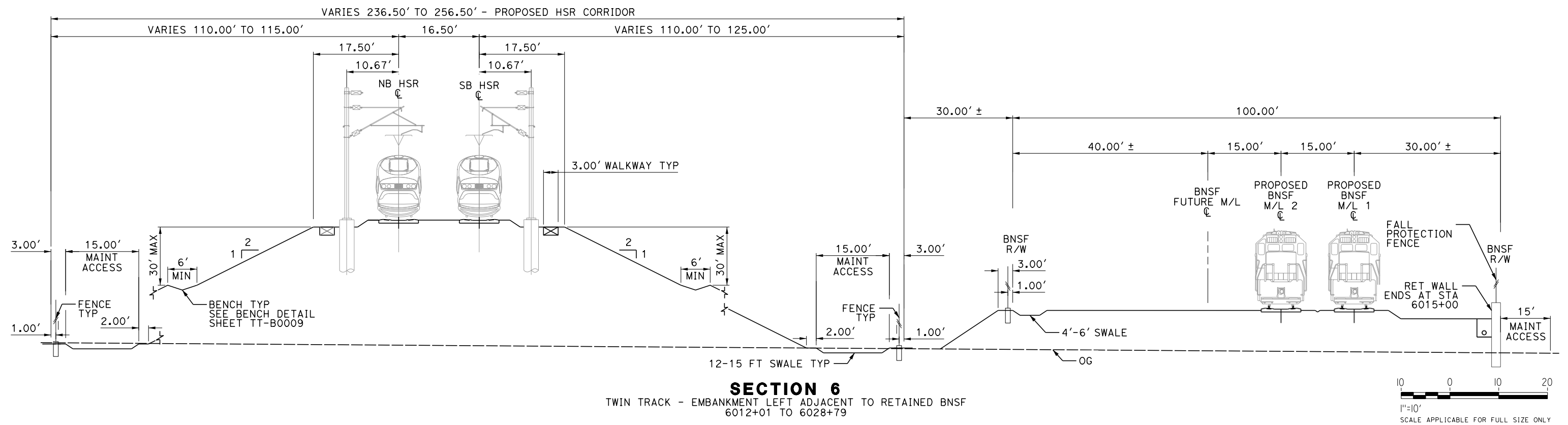
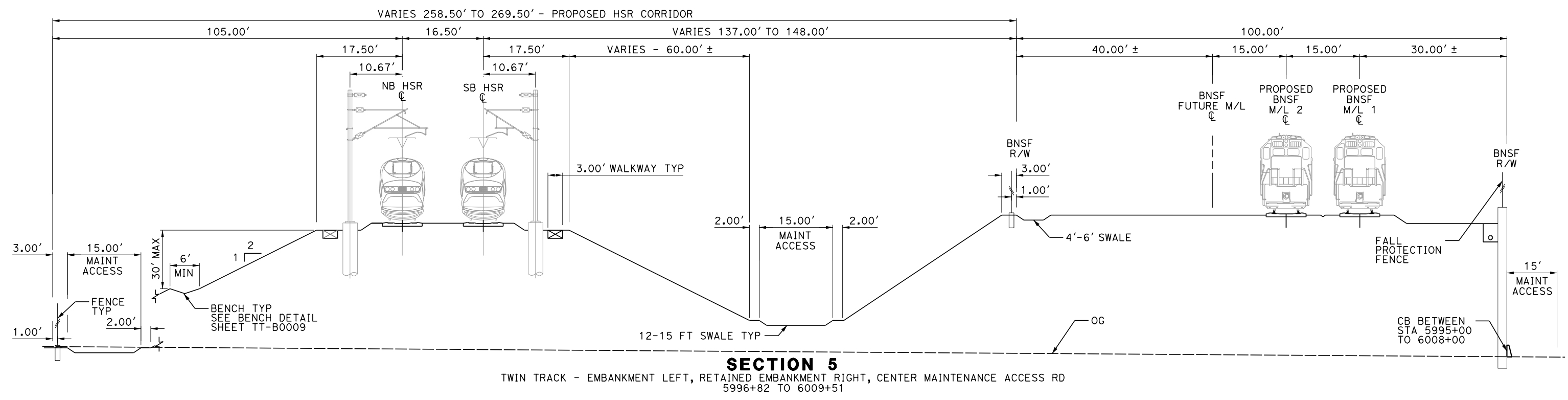
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 PECD DESIGN
 SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 TYPICAL SECTIONS SHEET 2

CONTRACT NO. HSR13-44
DRAWING NO. TT-B0009
SCALE AS SHOWN
SHEET NO.

- NOTES:**
1. TRACKFORM IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.



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J. TREJO
 DRAWN BY
N. OLINO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

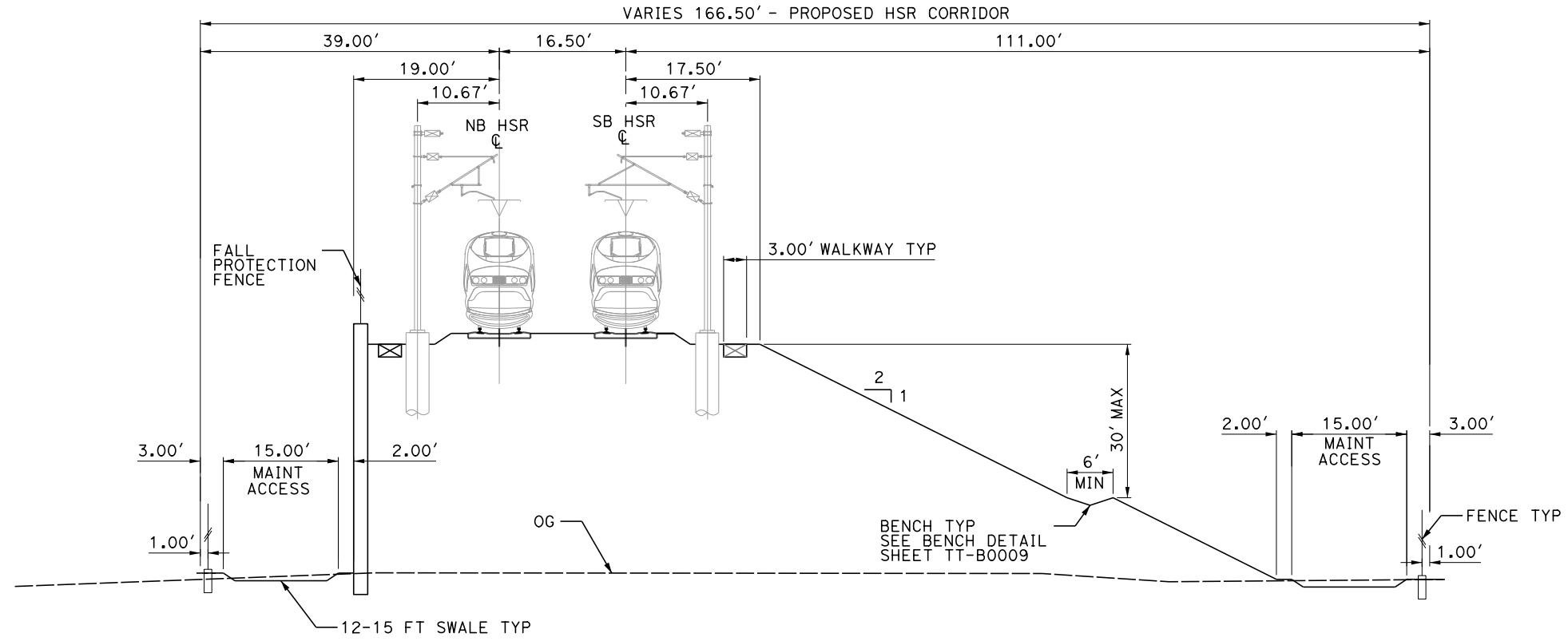
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 TYPICAL SECTIONS SHEET 3

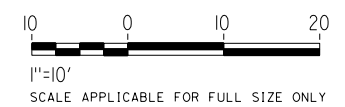
CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0010
 SCALE
AS SHOWN
 SHEET NO.

- NOTES:**
1. TRACKFORM IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.



SECTION 7

TWIN TRACK - RETAINED EMBANKMENT LEFT, OPEN DRAINAGE RIGHT
6028+79 TO 6035+85



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 IN CHARGE
P. PIENTON
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10/28/2016

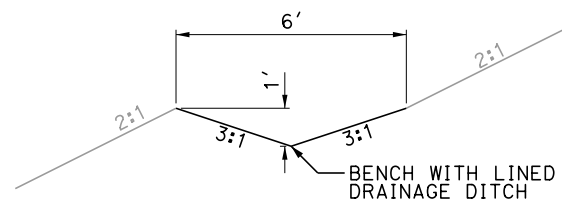
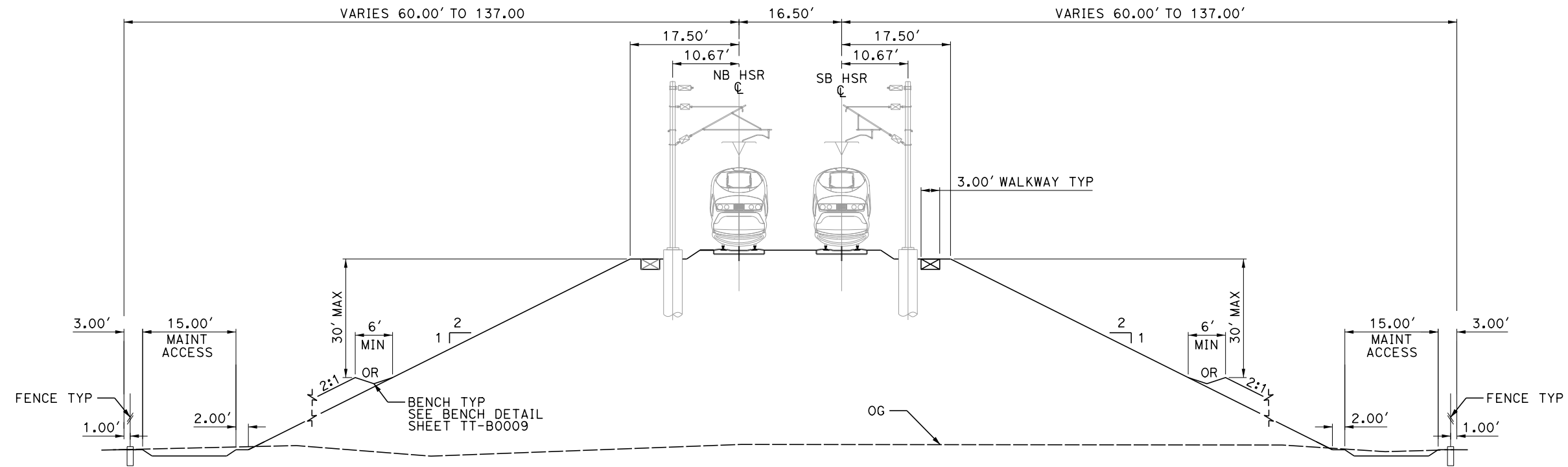
**RECORD SET
PEPD DESIGN
SUBMISSION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 TYPICAL SECTIONS SHEET 4

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0011
 SCALE
AS SHOWN
 SHEET NO.

- NOTES:**
1. TRACKFORM IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.
 4. STATION RANGE WITH ASTERISK (*) REQUIRES BENCH.

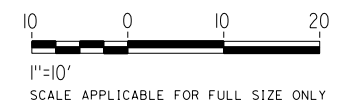


BENCH DETAIL
(NTS)

SECTION 8

TWIN TRACK - EMBANKMENT OPEN DRAINAGE

- 6035+85 TO 6071+00*
- 6071+00 TO 6074+55
- 6078+15 TO 6086+00*
- 6086+00 TO 6096+42
- 6098+12 TO 6211+53
- 6212+73 TO 6264+77
- 6265+97 TO 6329+44
- 6332+74 TO 6370+55
- 6371+75 TO 6375+00
- 6375+00 TO 6420+50*
- 6420+50 TO 6421+39
- 6427+09 TO 6470+00*
- 6470+00 TO 6482+83
- 6483+23 TO 6513+94
- 6517+24 TO 6545+00
- 6673+25 TO 6700+60*



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
J. TREJO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION

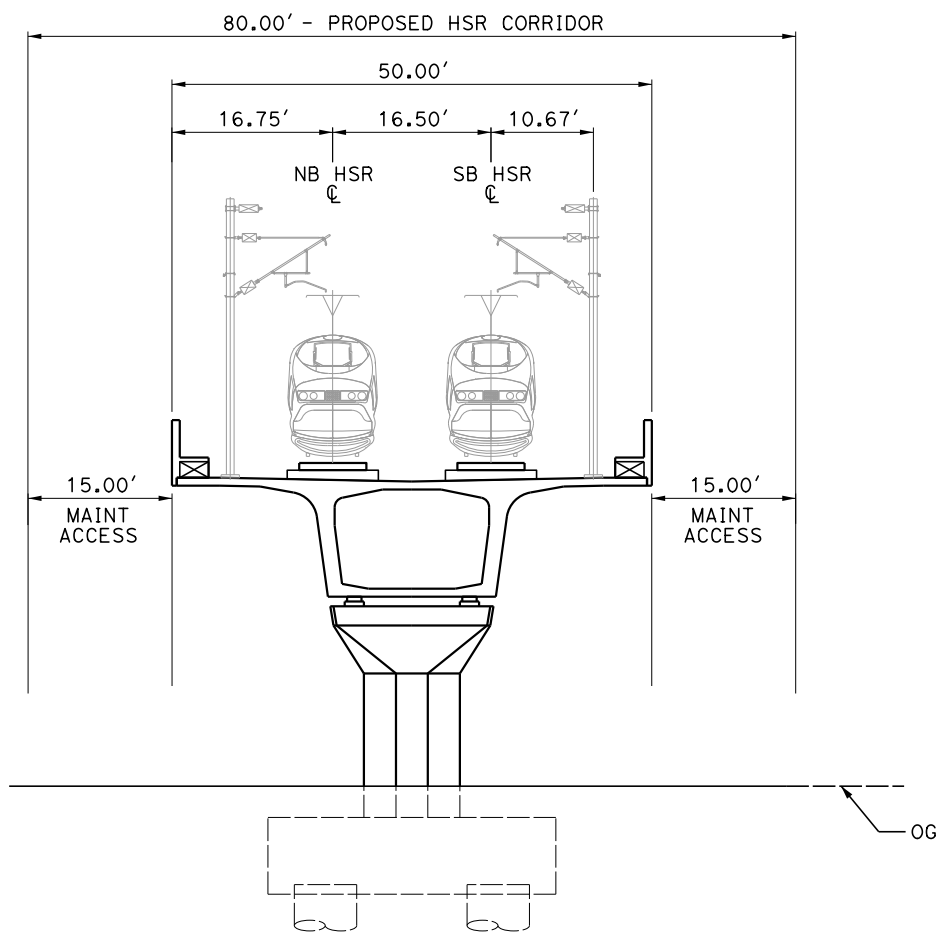


CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 TYPICAL SECTIONS SHEET 5

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0012
 SCALE
AS SHOWN
 SHEET NO.

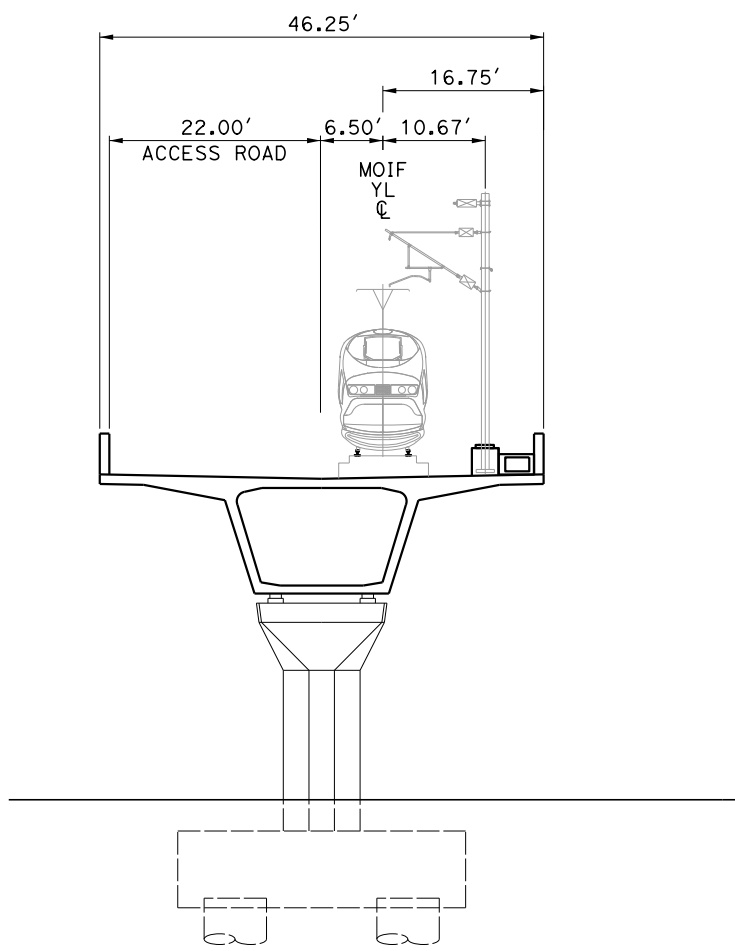
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- NOTES:**
1. TRACKFORM IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.
 4. FOR BRIDGES SHORTER THAN 1000 FEET BALLASTED DECKS ARE TO BE USED FOR HOMOGENEITY IN TRACK TYPE AND ATTENUATION REQUIREMENTS
 5. STEEL TRUSS STRUCTURE TYPE ANTICIPATED ACROSS CANALS.



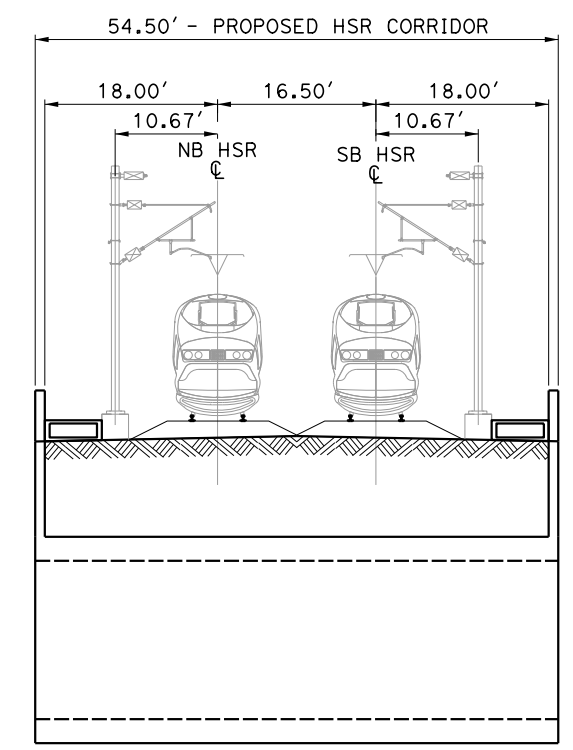
SECTION 9

TWIN TRACK - ELEVATED VIADUCT OR BRIDGE
 5919+82 TO 5922+02
 5953+57 TO 5954+75
 5975+89 TO 5977+07
 5992+48 TO 5996+82
 6009+51 TO 6012+01
 6074+55 TO 6078+15
 6096+42 TO 6098+12
 6211+53 TO 6212+73
 6264+77 TO 6265+97
 6329+44 TO 6332+74 SEE NOTE 5
 6370+55 TO 6371+75
 6421+39 TO 6427+09 SEE NOTE 5
 6513+94 TO 6517+24 SEE NOTE 5
 6545+00 TO 6673+25
 6700+60 TO 6714+57
 6721+25 TO 6779+96
 6784+36 TO 6798+06
 6798+06 TO 6801+26
 6801+26 TO 6828+26
 6883+50 TO 6935+46
 6935+46 TO 6940+87
 6940+87 TO 6953+36
 7002+12 TO 7018+26
 7020+82 TO 7046+00



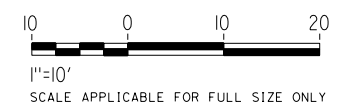
SECTION 10

SINGLE TRACK - MOIF YARD LEAD TRACK
 YL STA 920+51 TO 922+63



SECTION 11

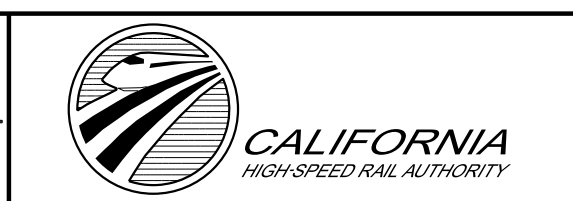
TWIN TRACK - RETAINED EMBANKMENT, FARM ROAD UNDERCROSSING
 STA 6482+83 TO 6483+23



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
N. OLINO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

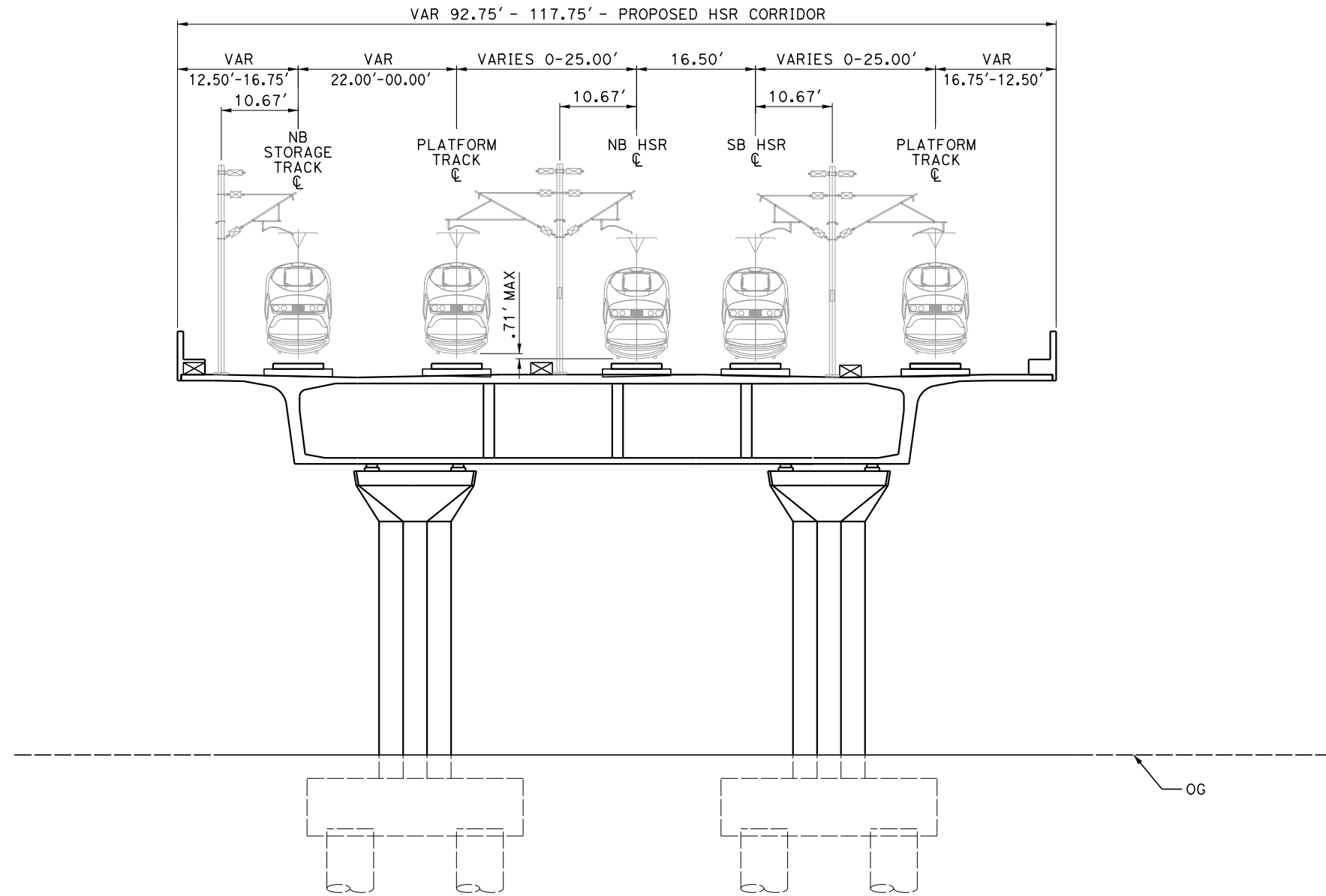
**RECORD SET
 PEPD DESIGN
 SUBMISSION**



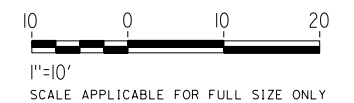
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 TYPICAL SECTIONS SHEET 6

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0013
 SCALE
AS SHOWN
 SHEET NO.

- NOTES:**
1. TRACKFORM IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.



SECTION 12
TWIN TRACKS - ELEVATED VIADUCT - STATION AND NB STORAGE TRACK
6828+26 TO 6848+16



Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-B0014.dgn
 \$PLTDRVS\$
 \$PENTBLS\$
 10/26/2016 5:43:11 PM
 TYLIN\jtrejo

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
J. TREJO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

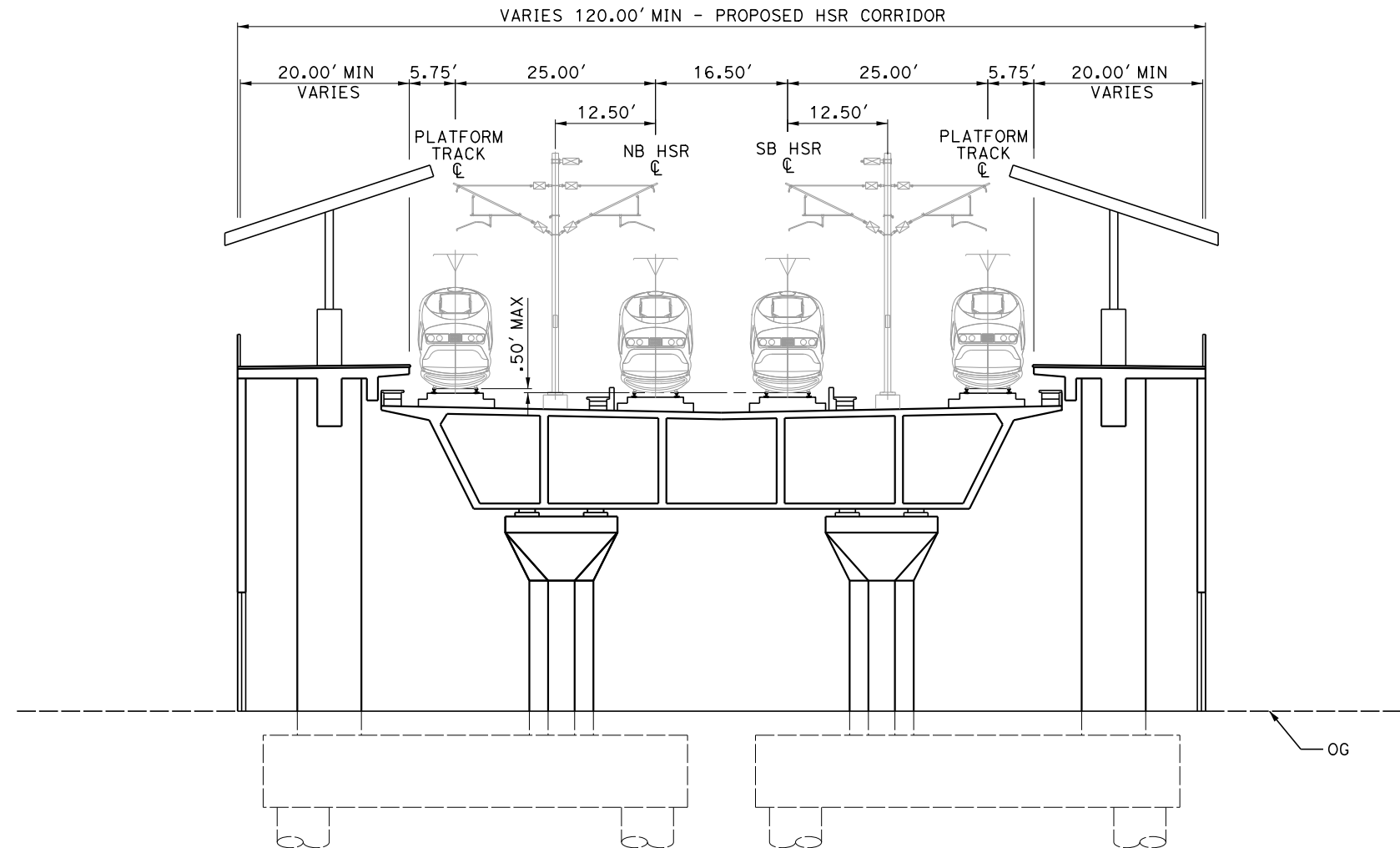
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PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
TYPICAL SECTIONS SHEET 7

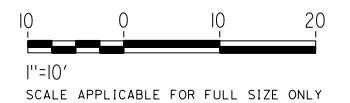
CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0014
 SCALE
AS SHOWN
 SHEET NO.

- NOTES:**
1. TRACKFORM IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.
 4. SEE STATION AREA PLANS FOR STATION PLATFORM DIMENSIONS.



SECTION 13

TWIN TRACKS - ELEVATED VIADUCT - STATION TRACKS
6848+16 TO 6863+66



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 TYLIN\jtrejo

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
N. OLINO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

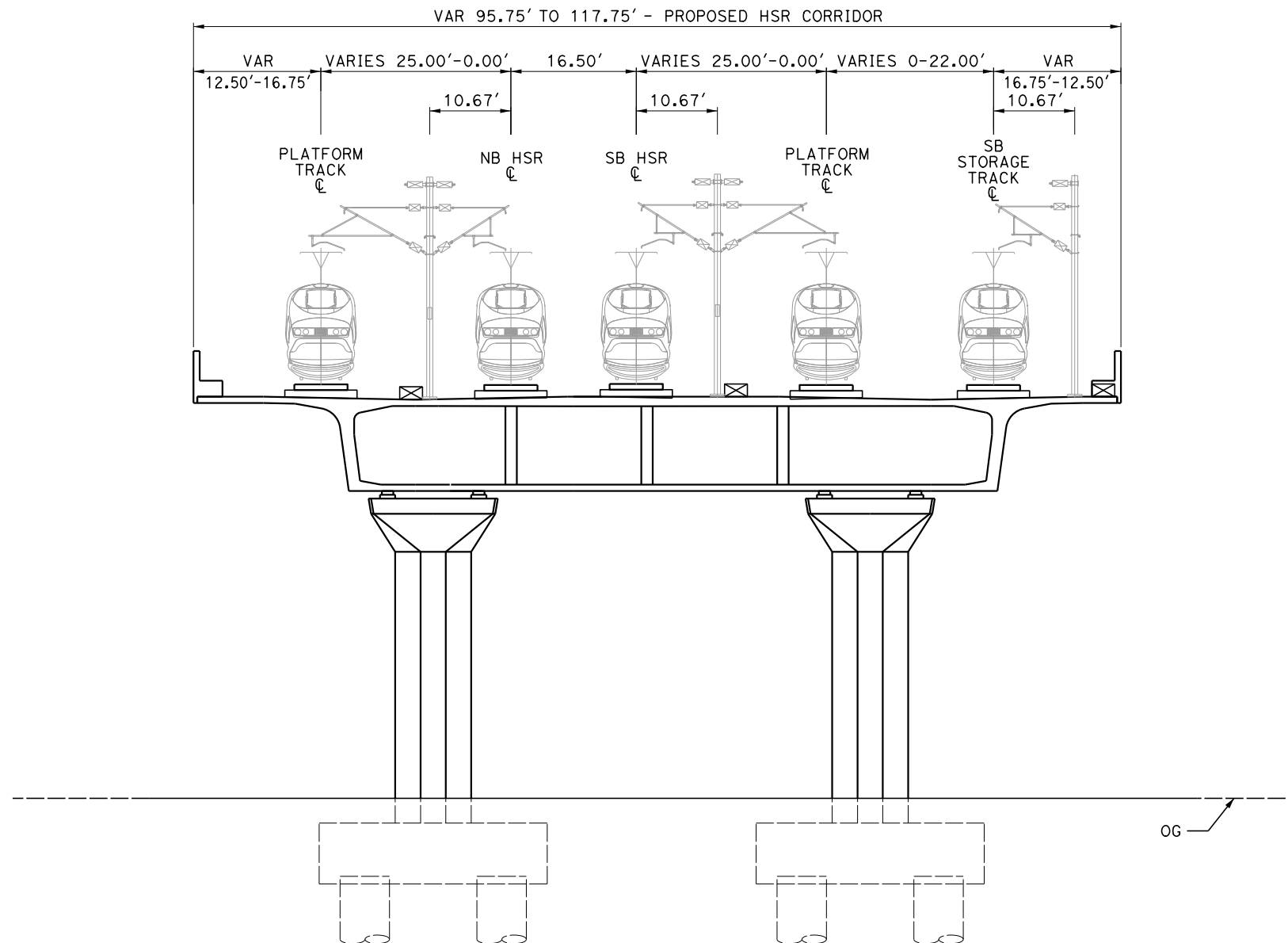
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 TYPICAL SECTIONS SHEET 8

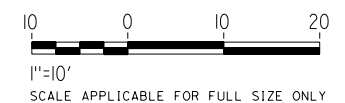
CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0015
 SCALE
AS SHOWN
 SHEET NO.

- NOTES:**
1. TRACKFORM IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.



SECTION 14

TWIN TRACKS - ELEVATED VIADUCT - STATION AND SB STORAGE TRACK
 STA: 6863+66 TO 6874+83



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 10/26/2016 4:42:53 PM
 TYLIN\jtrejo

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
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N. OLINO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

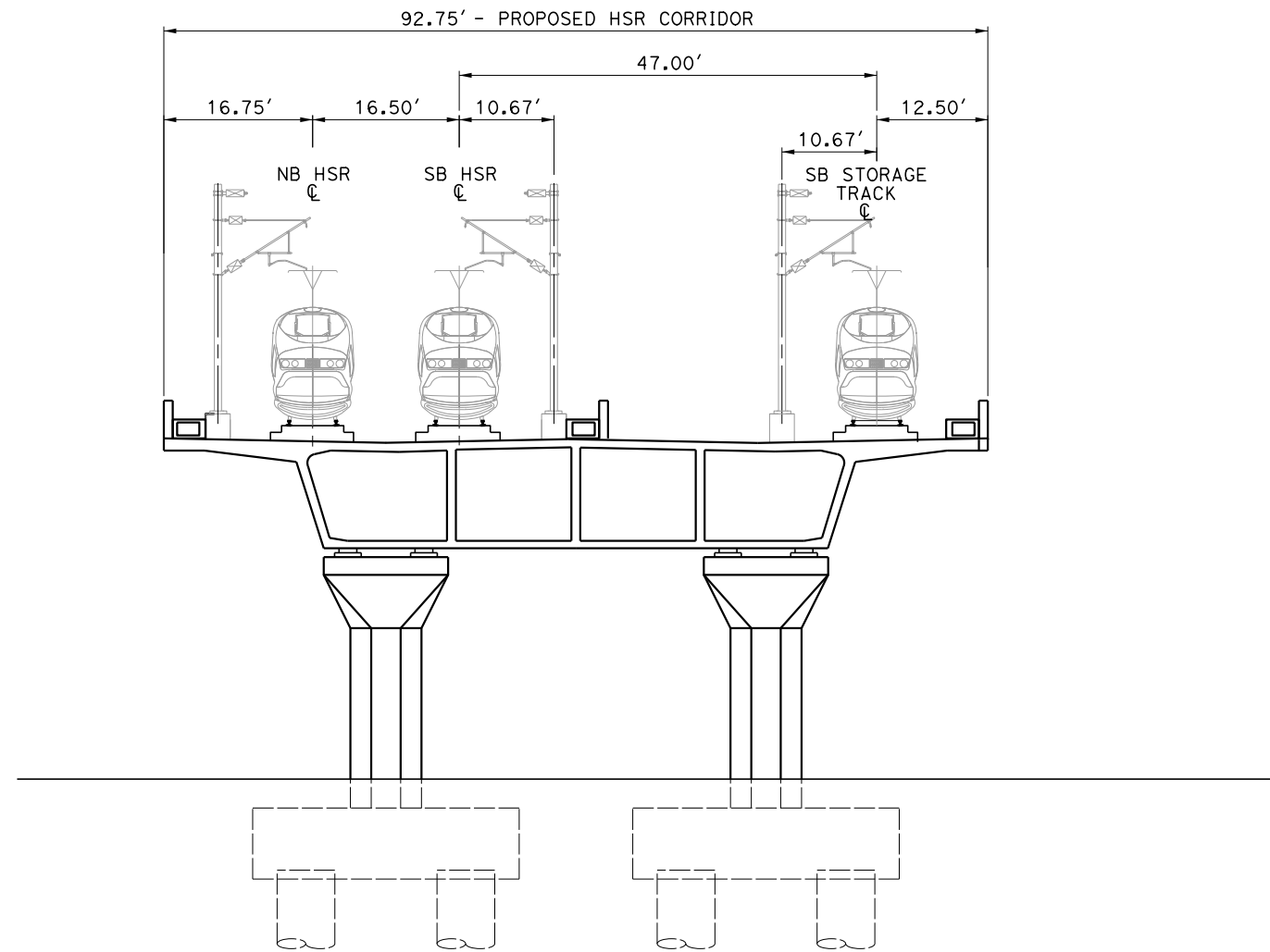
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 TYPICAL SECTIONS SHEET 9

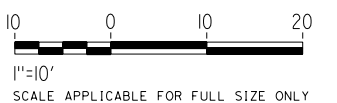
CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0016
 SCALE
AS SHOWN
 SHEET NO.

- NOTES:**
1. TRACKFORM IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.



SECTION 15

TWIN TRACKS - ELEVATED VIADUCT - SB STORAGE TRACK
6874+83 TO 6884+95



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
J. TREJO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION

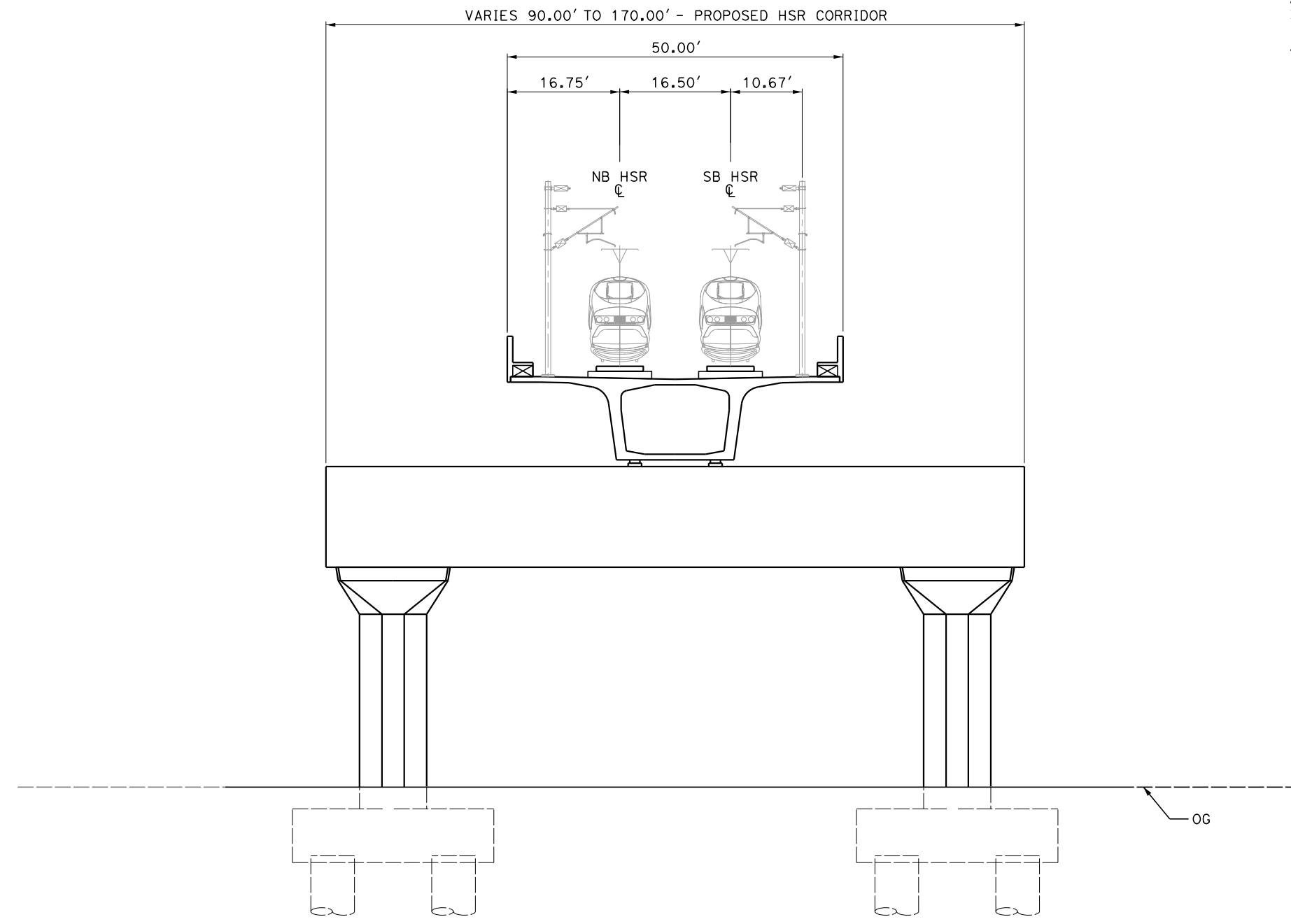


CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
TYPICAL SECTIONS SHEET 10

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-B0017
SCALE
AS SHOWN
SHEET NO.

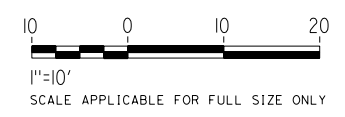
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- NOTES:**
1. TRACKFORM IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.
 4. SINGLE STRADDLE BENT LOCATIONS ARE NOTED BY THE STATION AT STRADDLE C AT WHICH THEY OCCUR. NOT BY STATION RANGE.



SECTION 16

TWIN TRACKS - ELEVATED VIADUCT - STRADDLE BENT
 6714+57 TO 6721+25
 6779+96 TO 6784+36
 6798+06
 6801+26
 6935+46
 6940+87
 6953+36 TO 6954+51
 6967+32 TO 6969+42
 6977+17 TO 6978+97
 7002+12
 7018+26 TO 7020+82
 7068+16 TO 7070+87



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
N. OLINO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

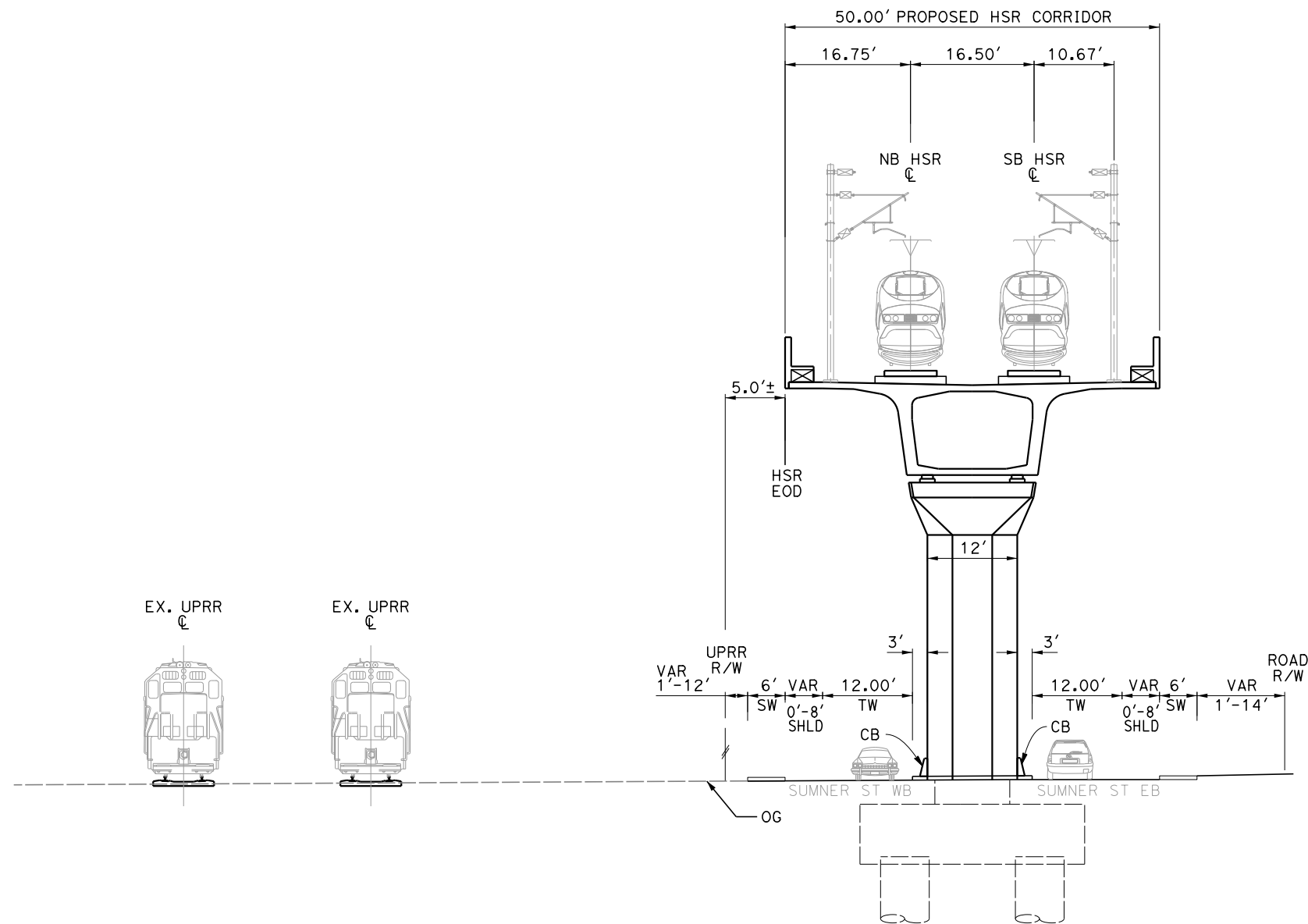
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 PEPP DESIGN
 SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 TYPICAL SECTIONS SHEET 11

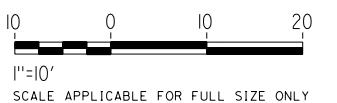
CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0018
 SCALE
AS SHOWN
 SHEET NO.

- NOTES:**
1. TRACKFORM IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.
 4. PARKING RESTRICTED AT INTERSECTION AND STRADDLE BENTS.
 5. PARKING WHERE ALLOWED, WILL BE RESTRICTED TO PASSENGER CARS ONLY.



SECTION 17

TWIN TRACKS - ELEVATED VIADUCT - SUMNER ST
 6954+51 TO 6967+32
 6969+42 TO 6977+17
 6978+97 TO 7002+12



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
J. TREJO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

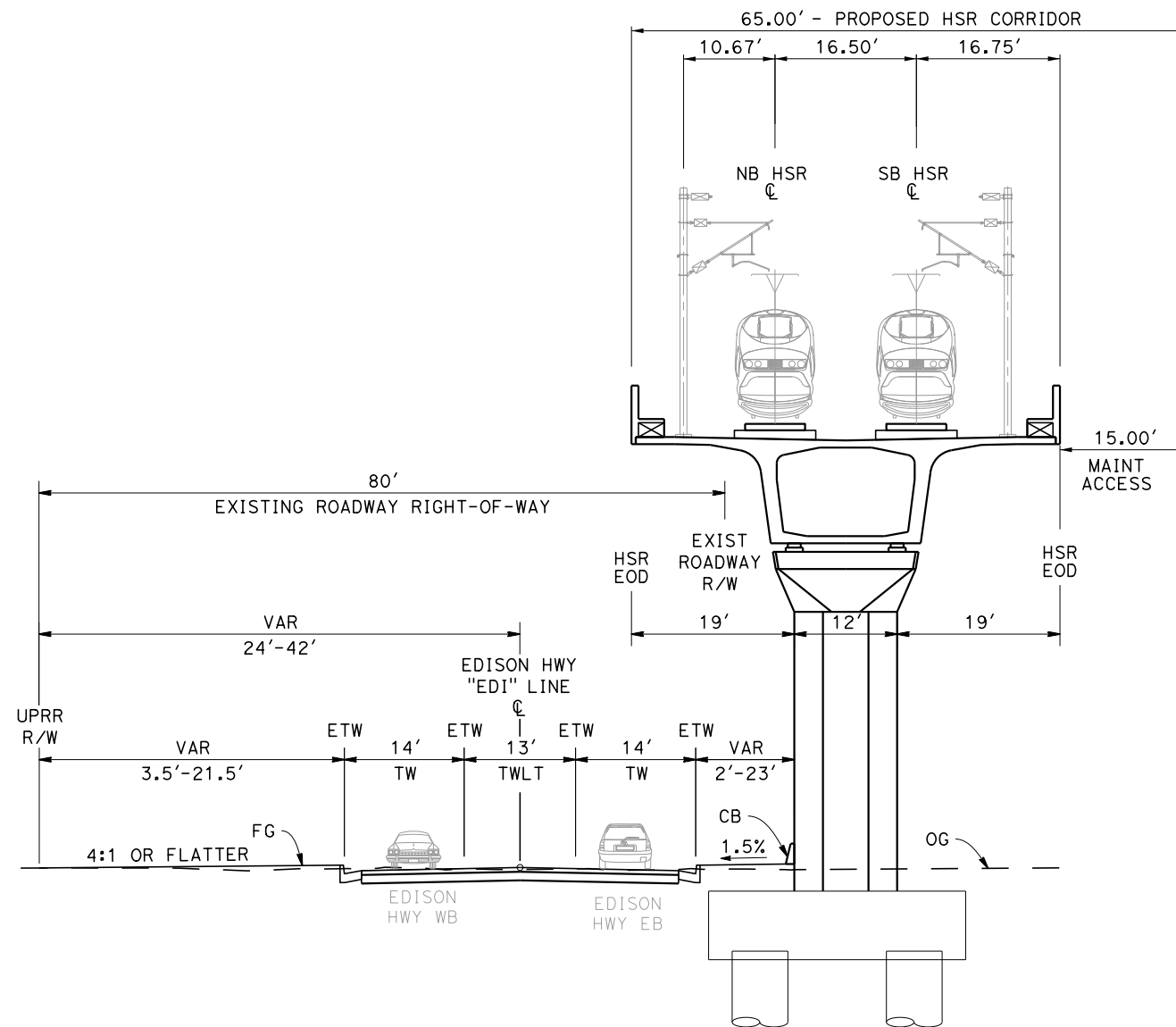
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PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 TYPICAL SECTIONS SHEET 12

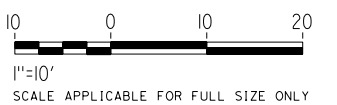
CONTRACT NO.
HSR13-44
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 SCALE
AS SHOWN
 SHEET NO.

- NOTES:**
1. TRACKFORM IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.



SECTION 18

TWIN TRACKS - ELEVATED VIADUCT - EDISON HWY LEFT
7046+00 TO 7068+16



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 10/26/2016 5:43:49 PM
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
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N. OLINO
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E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

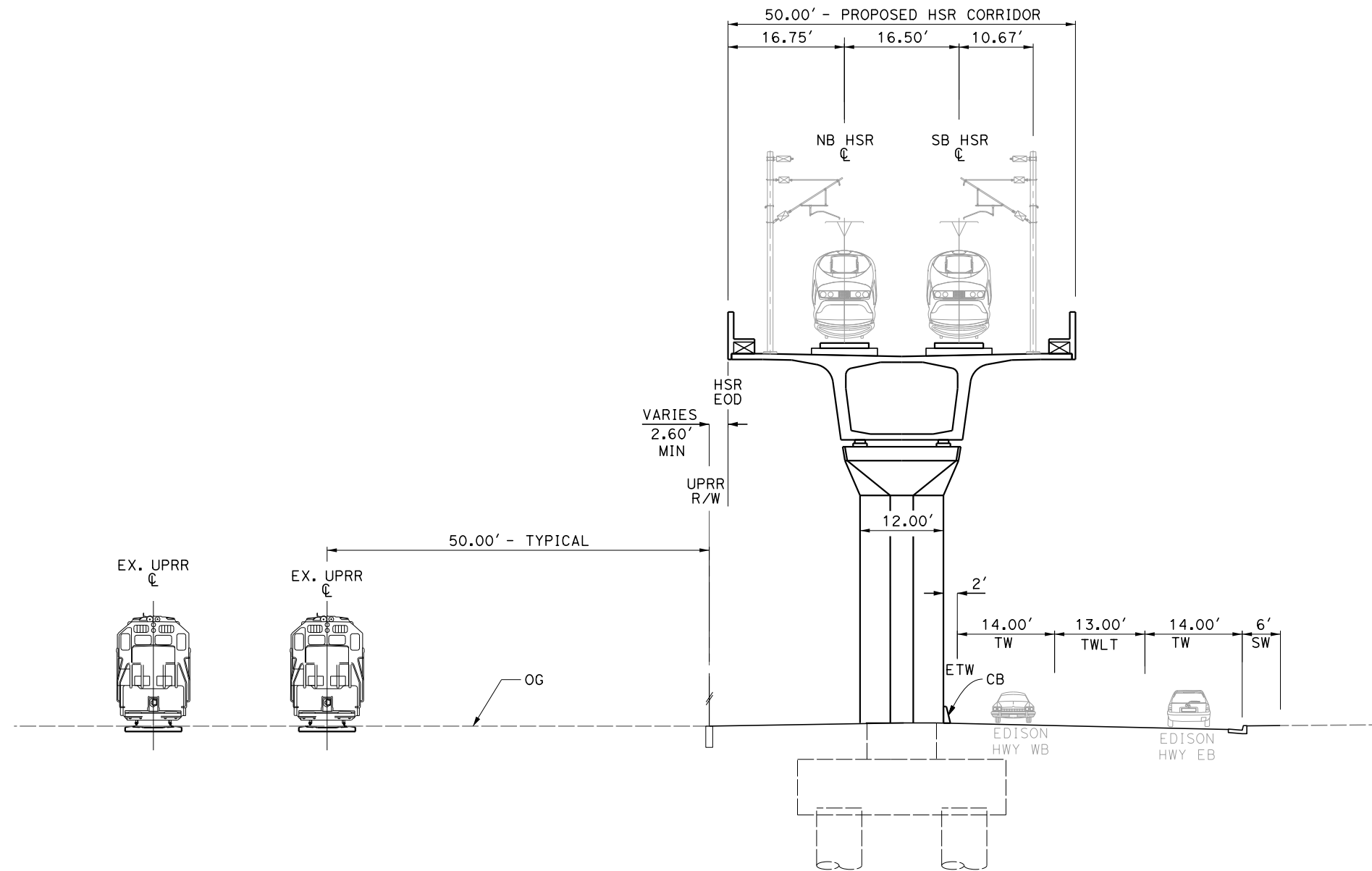
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PEPD DESIGN
SUBMISSION**



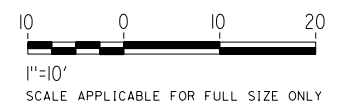
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 TYPICAL SECTIONS SHEET 13

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0020
 SCALE
AS SHOWN
 SHEET NO.

- NOTES:**
1. TRACKFORM IS INDICATIVE.
 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.
 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLE.



SECTION 19
TWIN TRACKS - ELEVATED VIADUCT - EDISON HWY RIGHT
7070+87 TO 7101+04



Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-B0021.dgn
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 10/26/2016 4:43:08 PM
 TYLIN\jtrejo

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
J. TREJO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

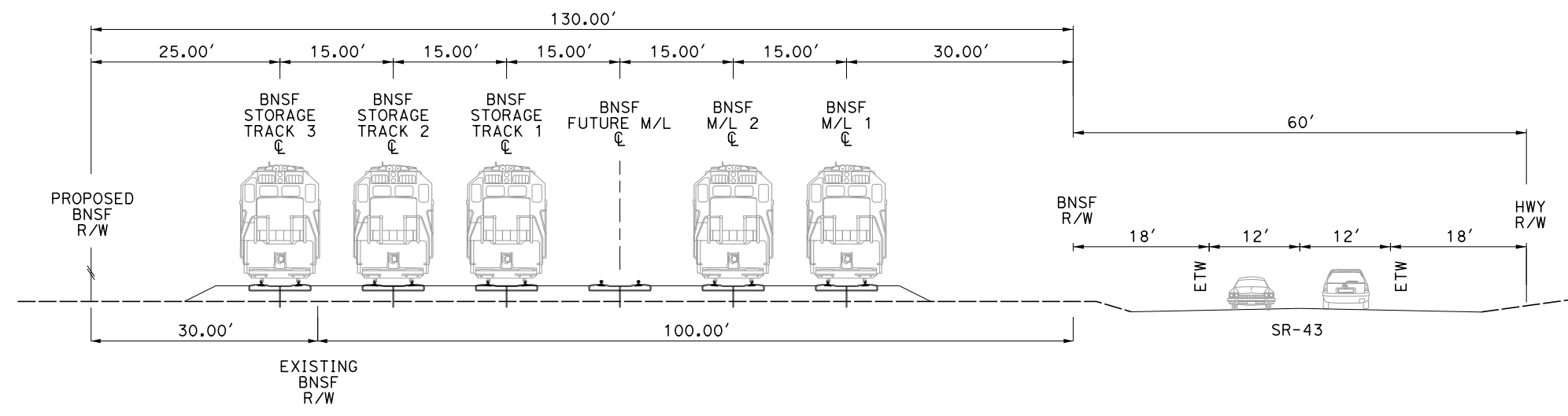
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SUBMISSION



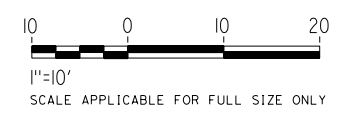
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
TYPICAL SECTIONS SHEET 14

CONTRACT NO.
HSR13-44
 DRAWING NO.
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 SCALE
AS SHOWN
 SHEET NO.

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SECTION 20
 BNSF YARD - AT-GRADE
 1033+64 TO 1106+26



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
J. TREJO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

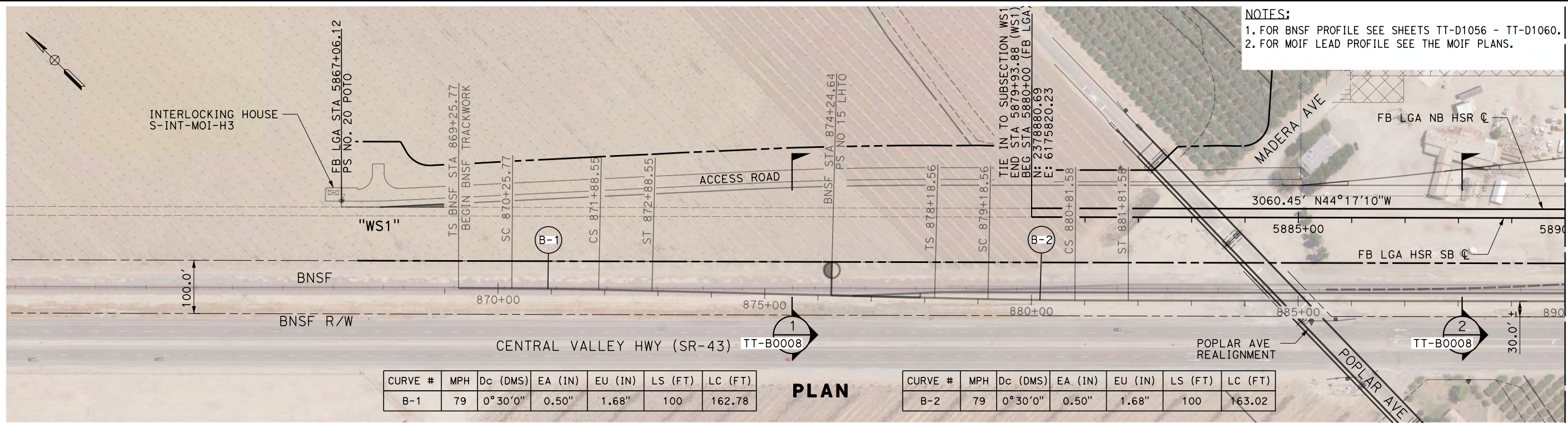
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PEPD DESIGN
SUBMISSION



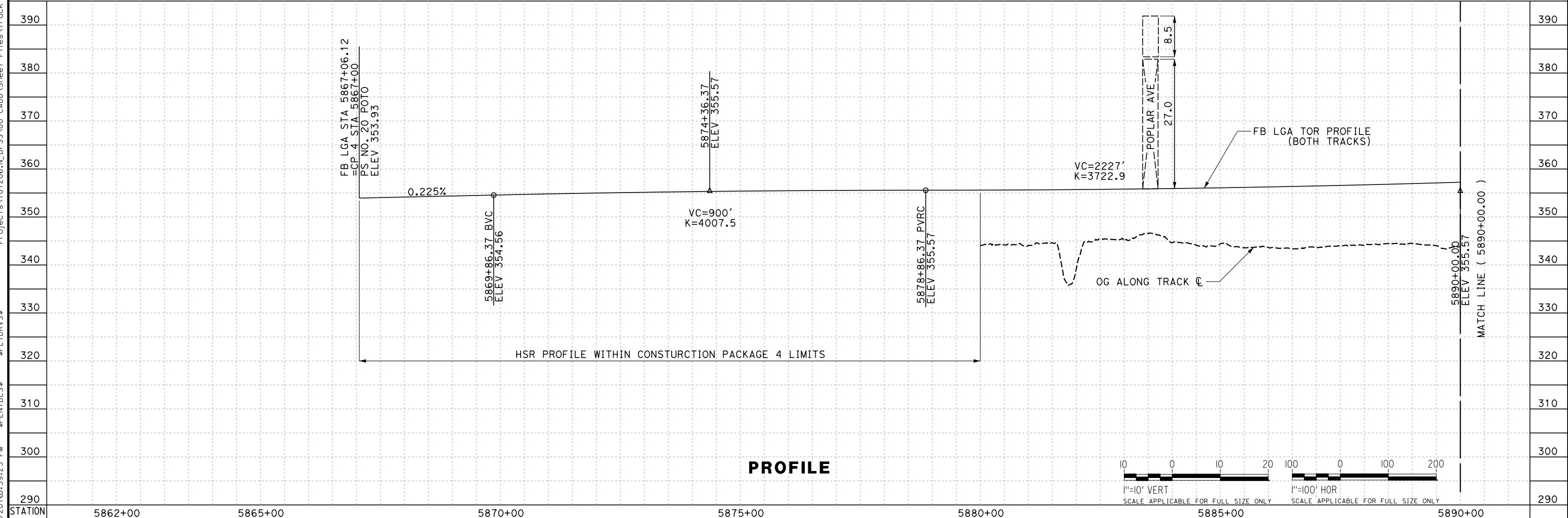
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY - BNSF
 TYPICAL SECTIONS SHEET 15

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-B0022
 SCALE
AS SHOWN
 SHEET NO.

TYLIN\jtrejo 10/26/2016 5:39:23 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N.BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1001.dgn



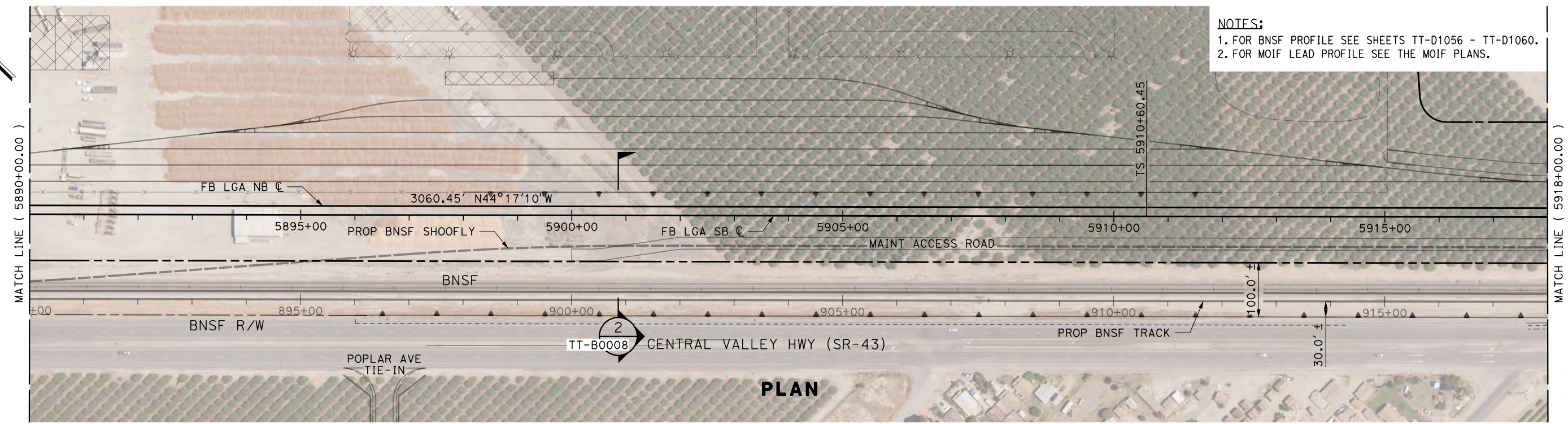
NOTES:
 1. FOR BNSF PROFILE SEE SHEETS TT-D1056 - TT-D1060.
 2. FOR MOIF LEAD PROFILE SEE THE MOIF PLANS.



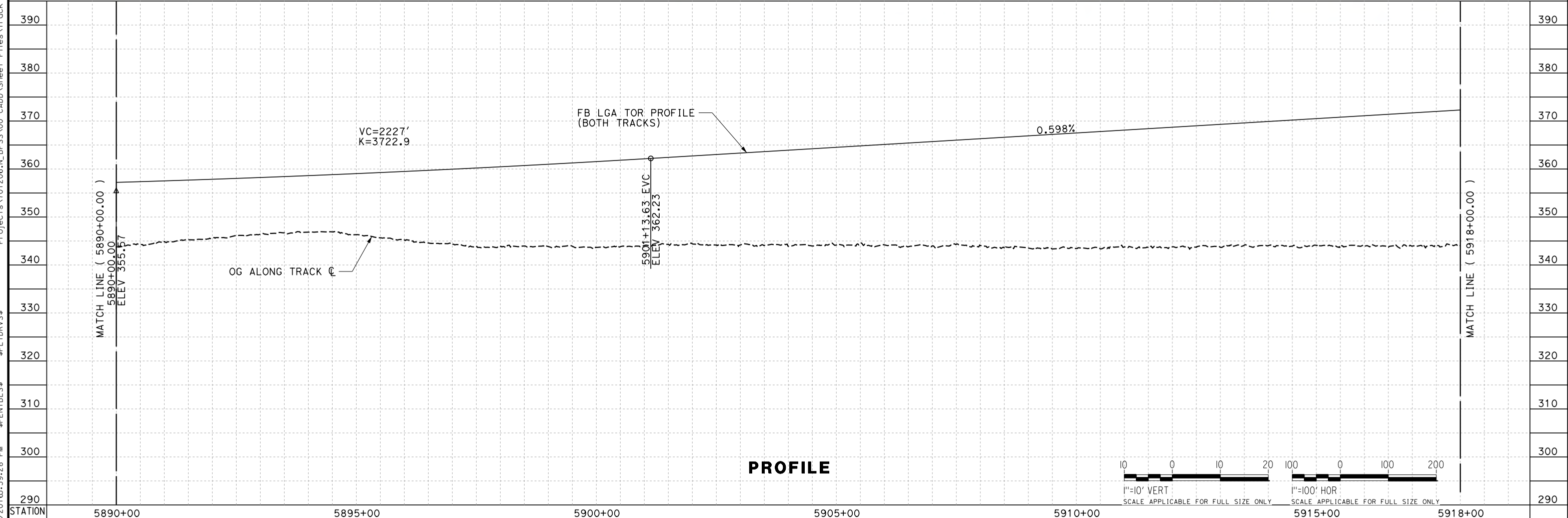
STATION	5862+00	5865+00	5870+00	5875+00	5880+00	5885+00	5890+00
DESIGNED BY	J. TREJO						
DRAWN BY	T. WILKINSON						
CHECKED BY	E. WINTERS						
IN CHARGE	P. PIENTON						
DATE	10/28/2016						
RECORD SET	PEPD DESIGN SUBMISSION						
TYLIN INTERNATIONAL							
CALIFORNIA HIGH-SPEED RAIL PROJECT FRESNO TO BAKERSFIELD LOCALLY GENERATED ALTERNATIVE TRACK GUIDEWAY STA 5880+00 TO 5890+00 PLAN AND PROFILE							CONTRACT NO. HSR13-44 DRAWING NO. TT-D1001 SCALE AS SHOWN SHEET NO.

TYLIN\jtrejo 10/26/2016 5:39:28 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1002.dgn

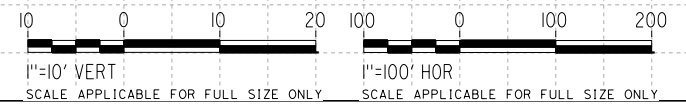
NOTES:
 1. FOR BNSF PROFILE SEE SHEETS TT-D1056 - TT-D1060.
 2. FOR MOIF LEAD PROFILE SEE THE MOIF PLANS.



PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
T. WILKINSON
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

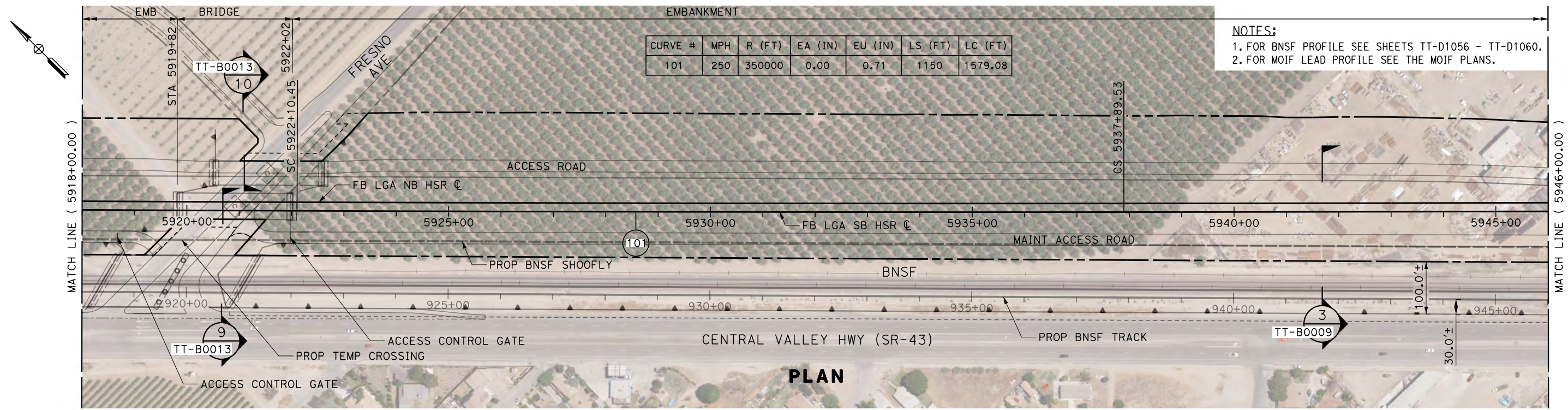
**RECORD SET
 PECD DESIGN
 SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 5890+00 TO 5918+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1002
 SCALE
AS SHOWN
 SHEET NO.

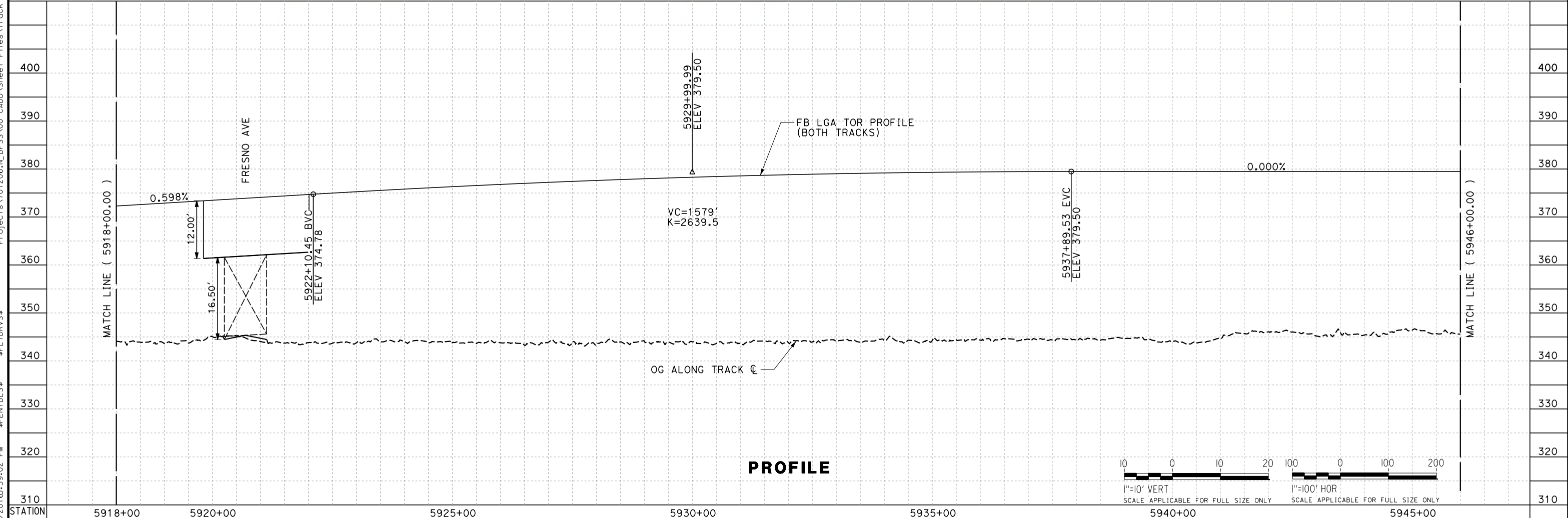
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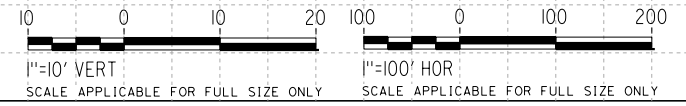
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NOTES:
 1. FOR BNSF PROFILE SEE SHEETS TT-D1056 - TT-D1060.
 2. FOR MOIF LEAD PROFILE SEE THE MOIF PLANS.

PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
T. WILKINSON
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

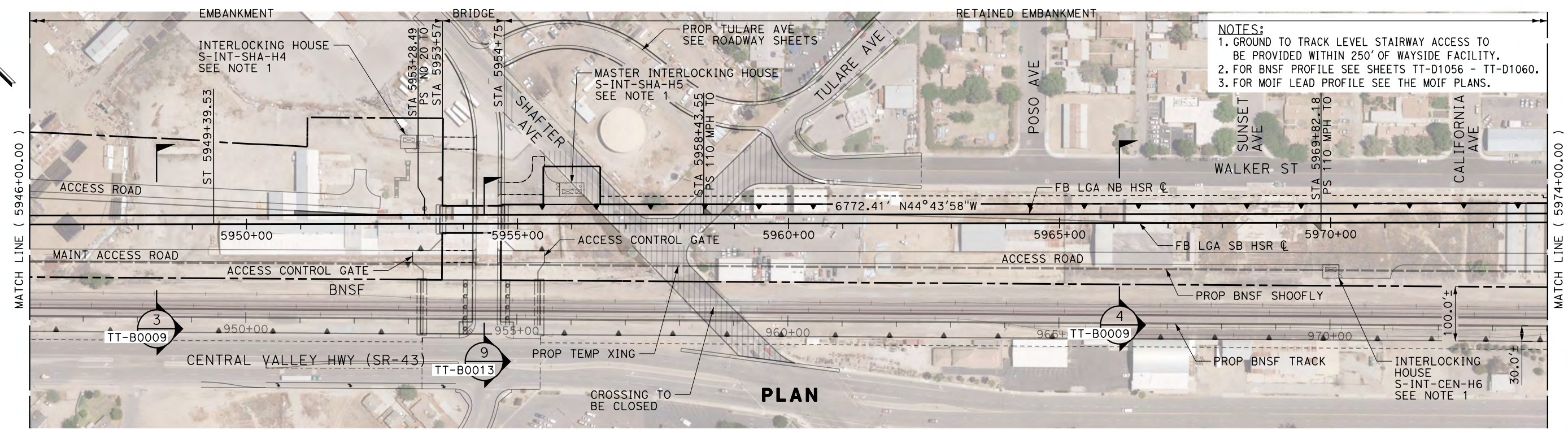
**RECORD SET
 PEPP DESIGN
 SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 5918+00 TO 5946+00
 PLAN AND PROFILE

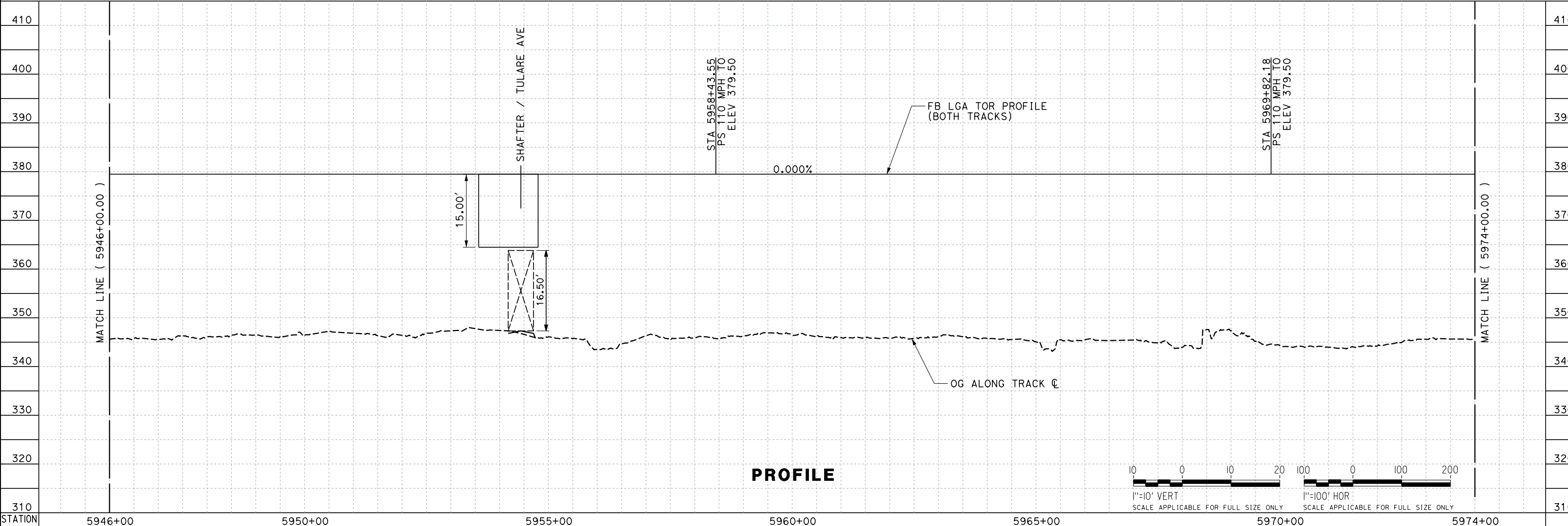
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TT-D1003
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AS SHOWN
 SHEET NO.

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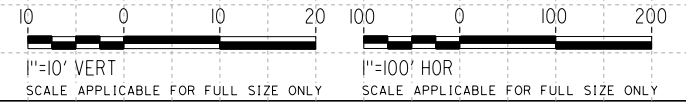


- NOTES:**
 1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.
 2. FOR BNSF PROFILE SEE SHEETS TT-D1056 - TT-D1060.
 3. FOR MOIF LEAD PROFILE SEE THE MOIF PLANS.

PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
T. WILKINSON
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

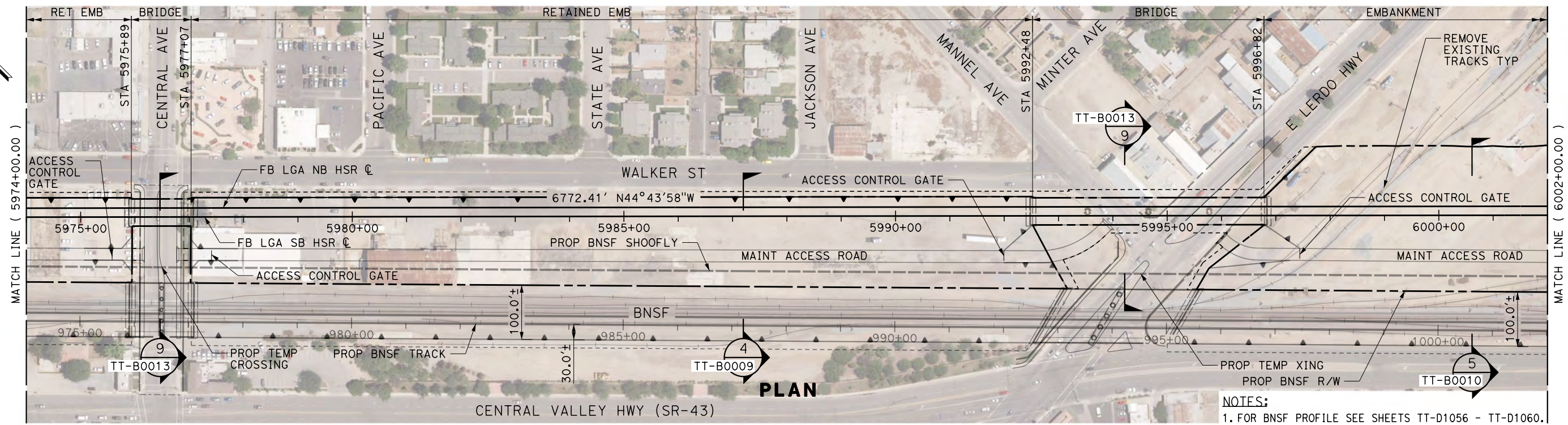
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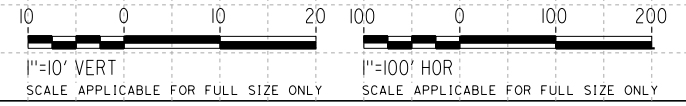
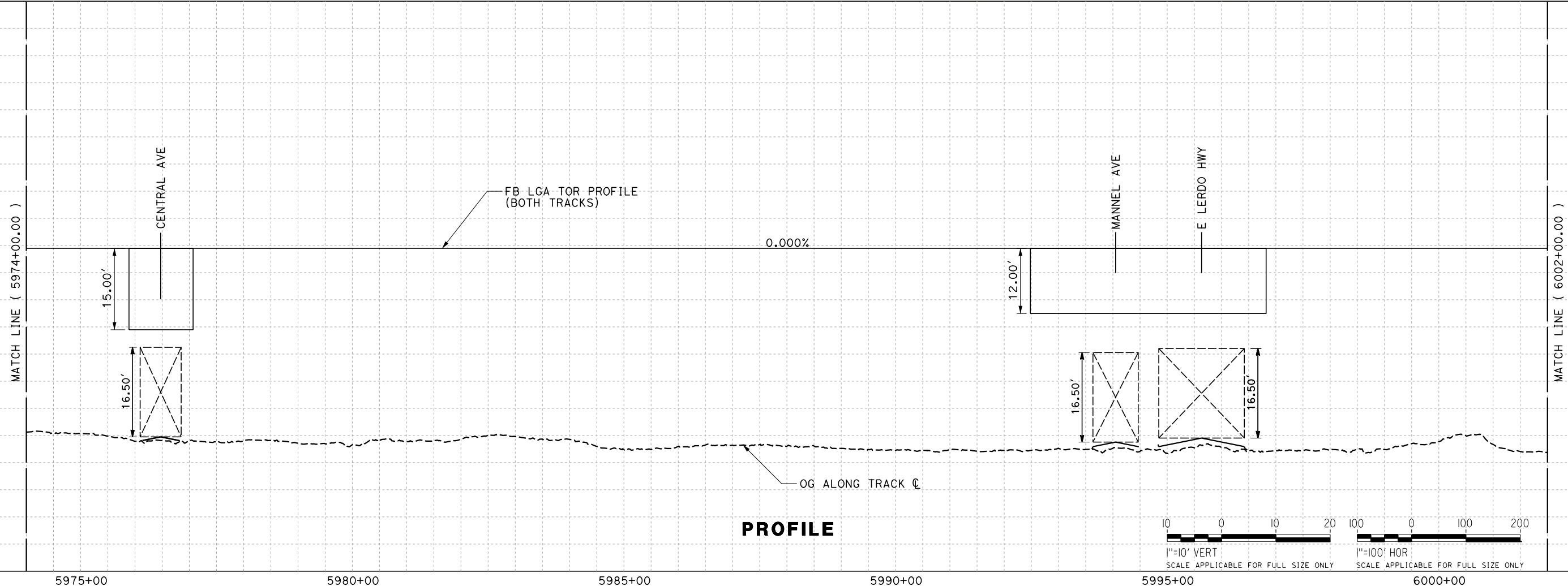
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 5946+00 TO 5974+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1004
 SCALE
AS SHOWN
 SHEET NO.

TYLIN\jtrejo 11/7/2016 11:23:04 AM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1005.dgn



NOTES:
1. FOR BNSF PROFILE SEE SHEETS TT-D1056 - TT-D1060.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
T. WILKINSON
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**

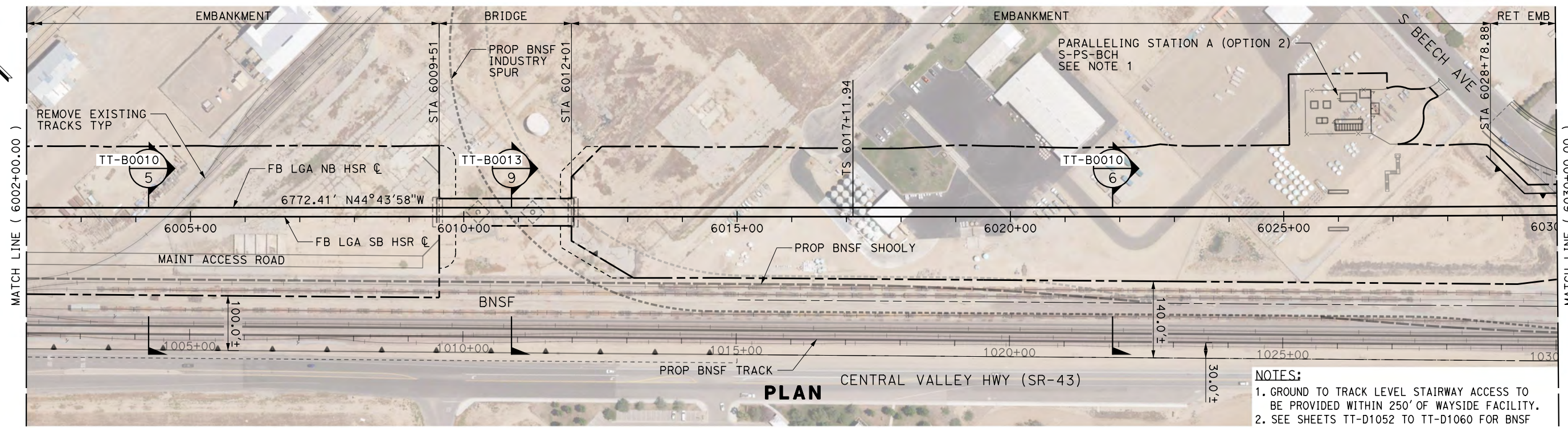
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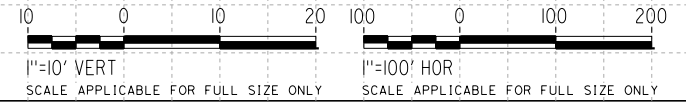
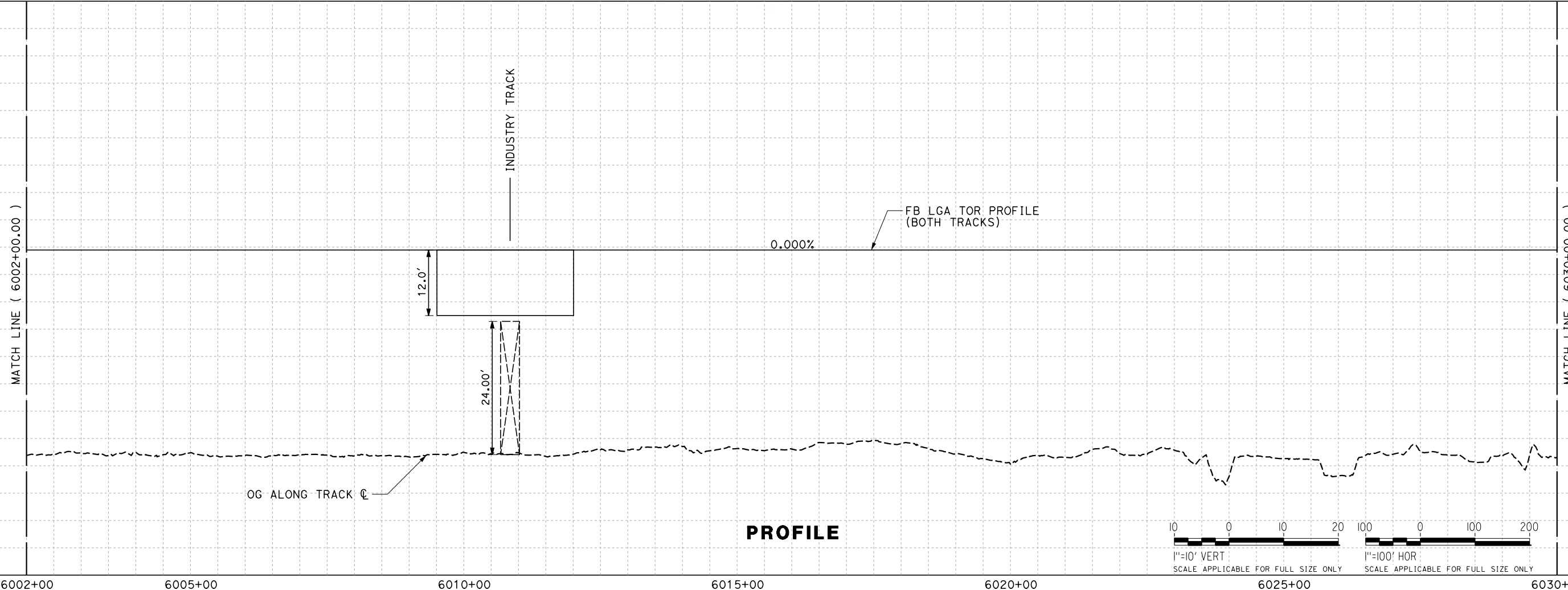
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 5974+00 TO 6002+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1005
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 11/7/2016 11:22:57 AM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1006.dgn



- NOTES:**
1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.
 2. SEE SHEETS TT-D1052 TO TT-D1060 FOR BNSF RELOCATION DETAILS.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
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E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

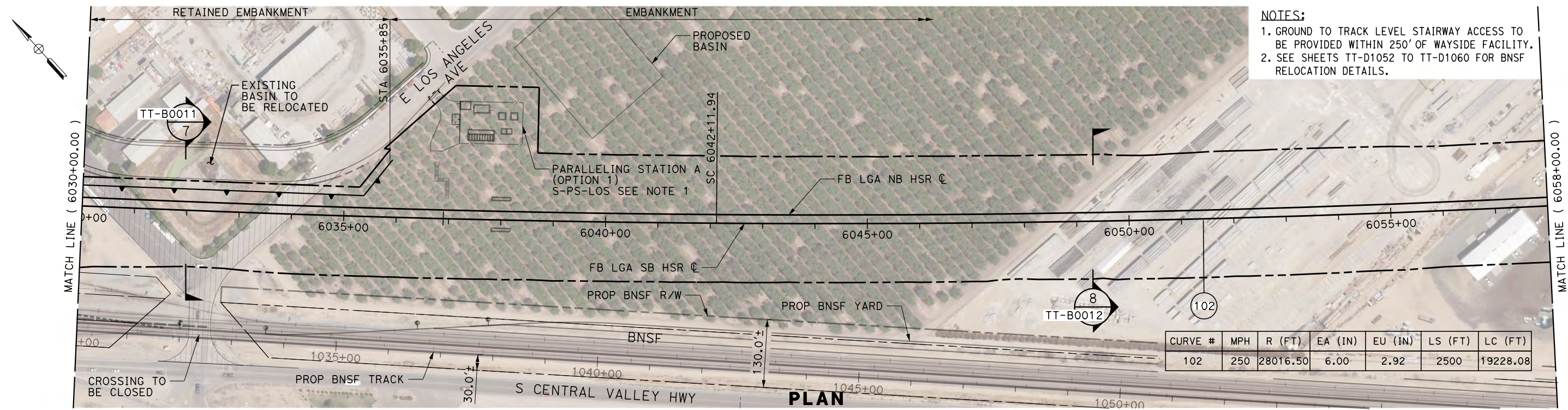
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PEPD DESIGN
SUBMISSION**



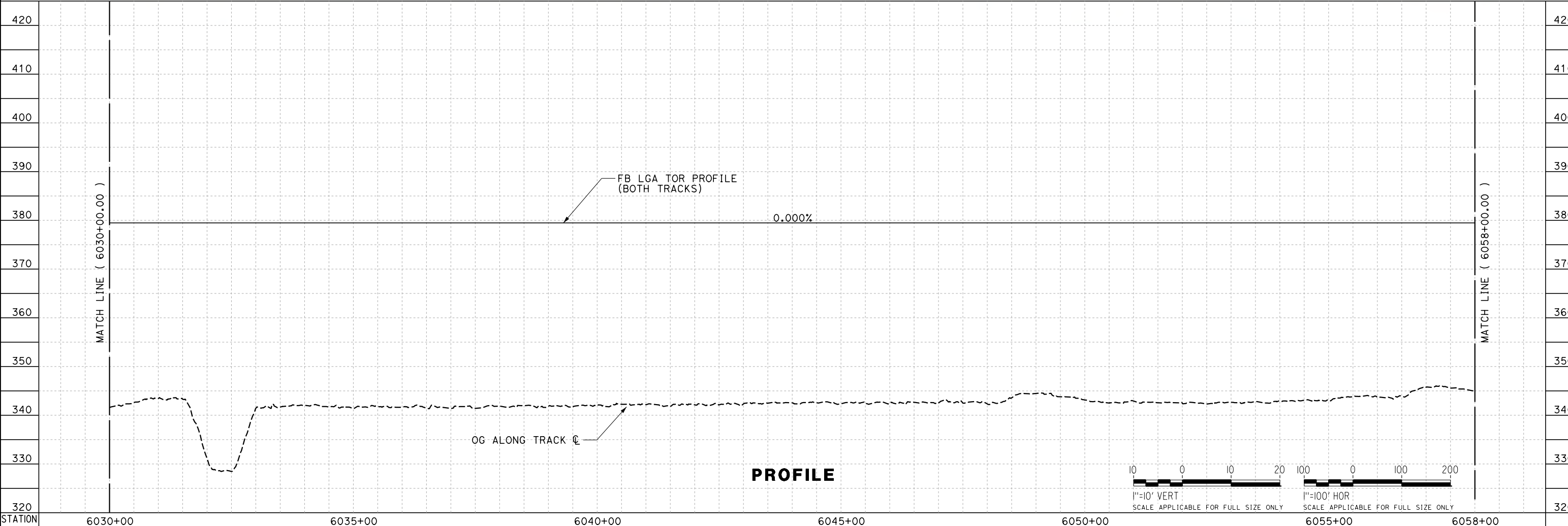
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6002+00 TO 6030+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1006
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 10/26/2016 5:40:00 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1007.dgn



NOTES:
 1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.
 2. SEE SHEETS TT-D1052 TO TT-D1060 FOR BNSF RELOCATION DETAILS.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
T. WILKINSON
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E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

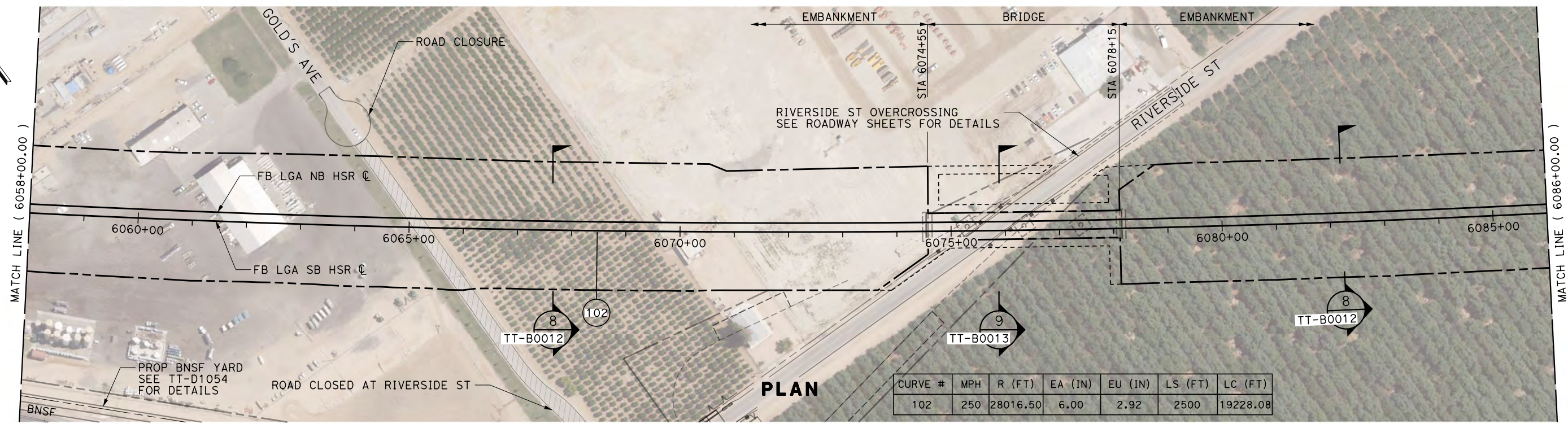
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 SUBMISSION**



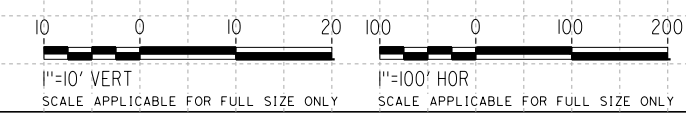
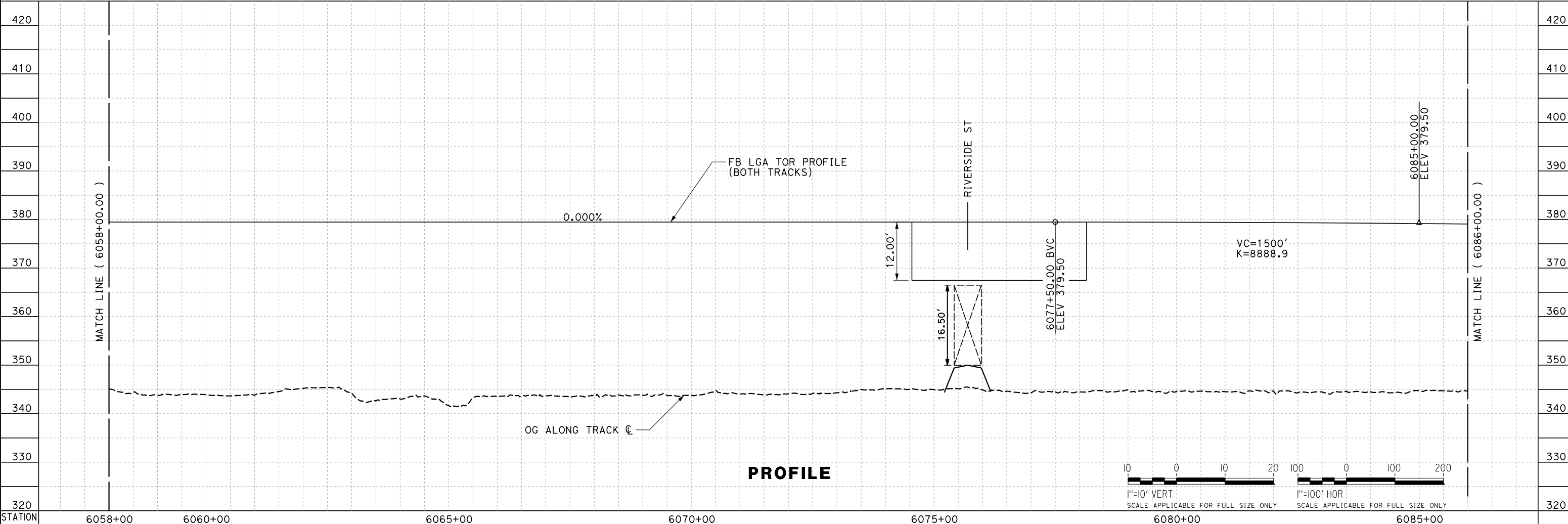
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 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 6030+00 TO 6058+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1007
 SCALE
AS SHOWN
 SHEET NO.

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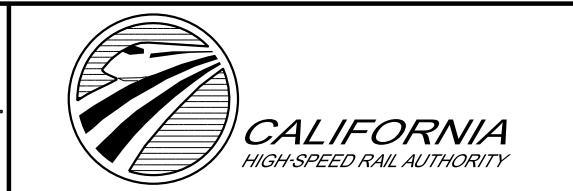
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102	250	28016.50	6.00	2.92	2500	19228.08



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
T. WILKINSON
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

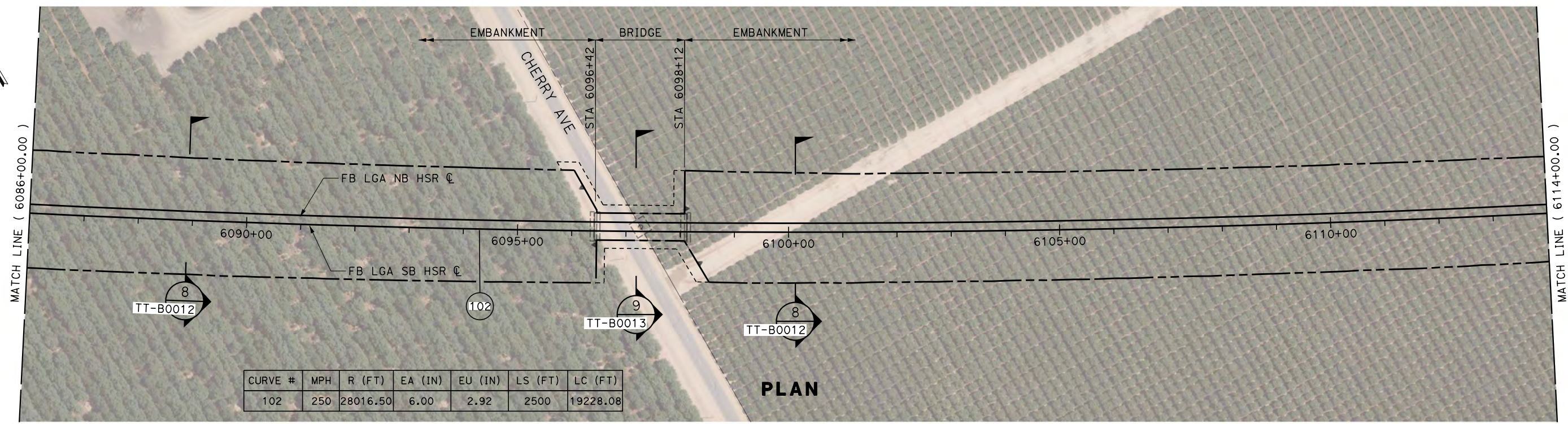
**RECORD SET
 PEPP DESIGN
 SUBMISSION**



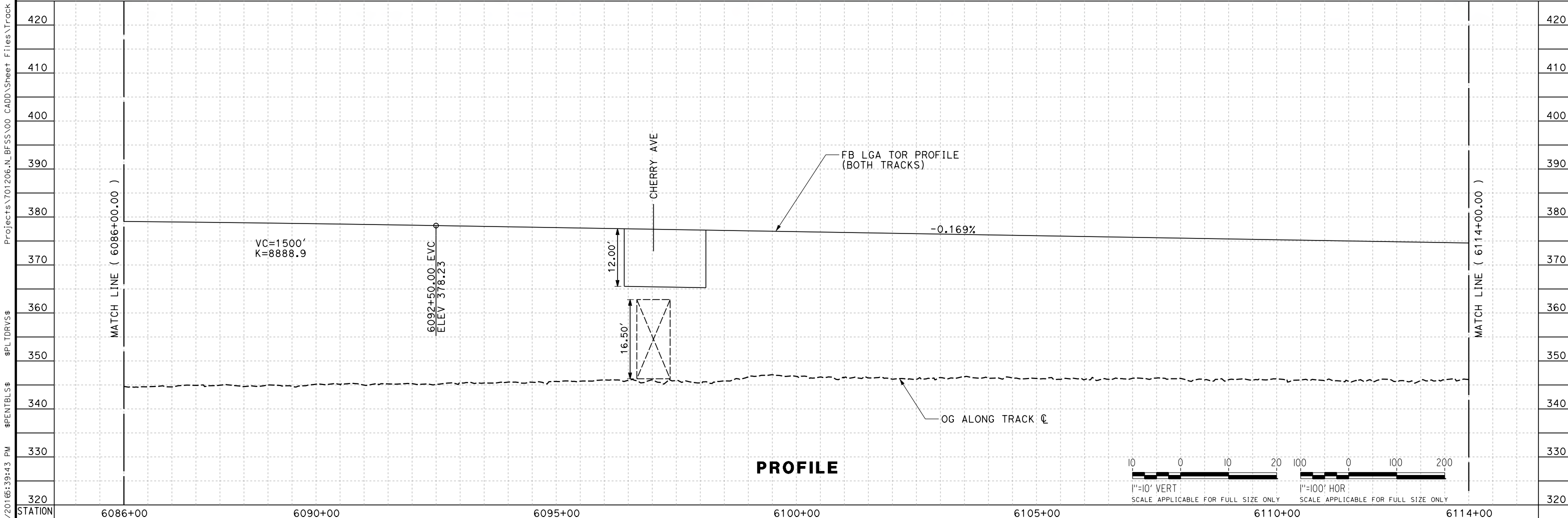
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 6058+00 TO 6086+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1008
 SCALE
AS SHOWN
 SHEET NO.

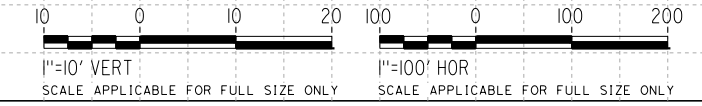
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 \$PLTDRVS\$ \$PENTBL\$ \$ 10/26/2016 5:39:43 PM TYLIN\jtrejo



PLAN



PROFILE



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DESIGNED BY
J. TREJO
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T. WILKINSON
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E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

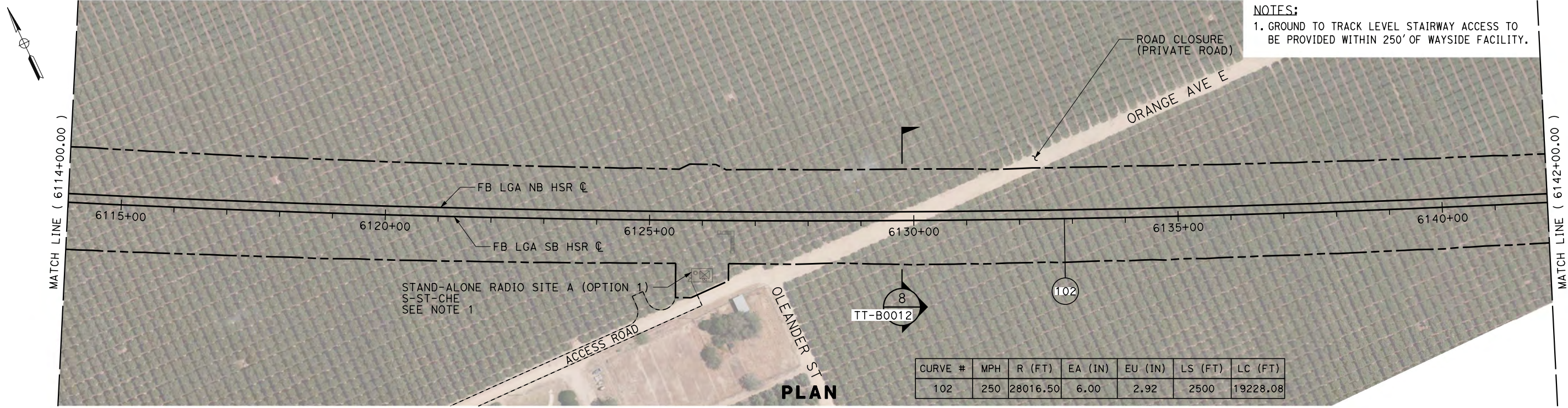
**RECORD SET
 PECD DESIGN
 SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 6086+00 TO 6114+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1009
 SCALE
AS SHOWN
 SHEET NO.

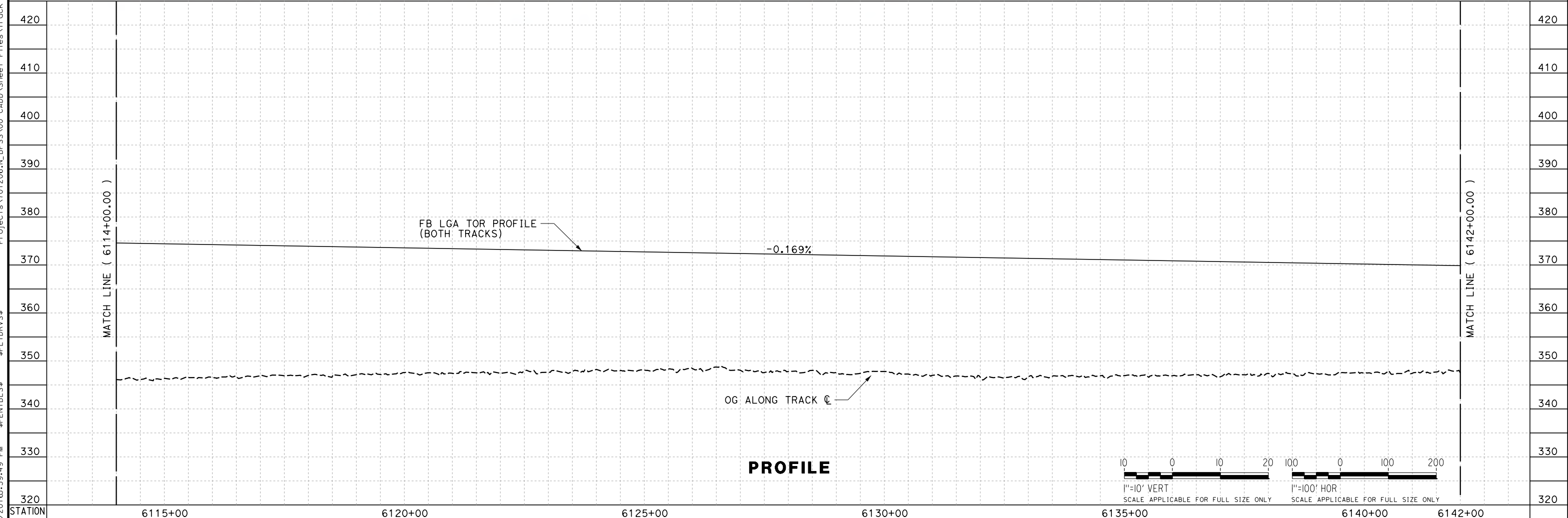
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NOTES:
1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
102	250	28016.50	6.00	2.92	2500	19228.08

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
T. WILKINSON
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

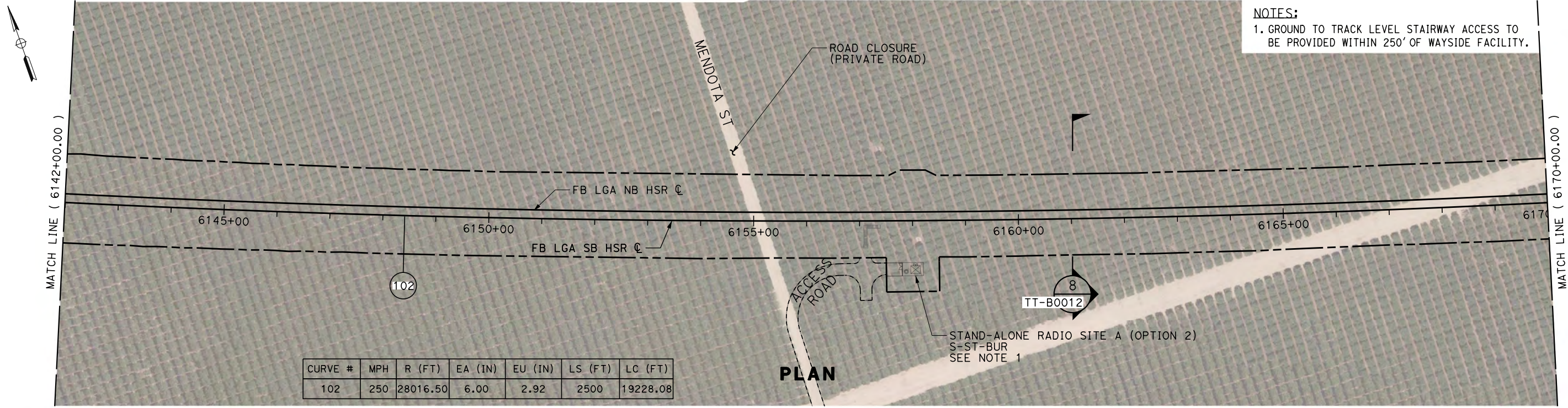
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6114+00 TO 6142+00
PLAN AND PROFILE

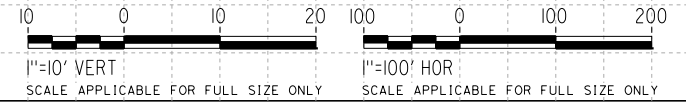
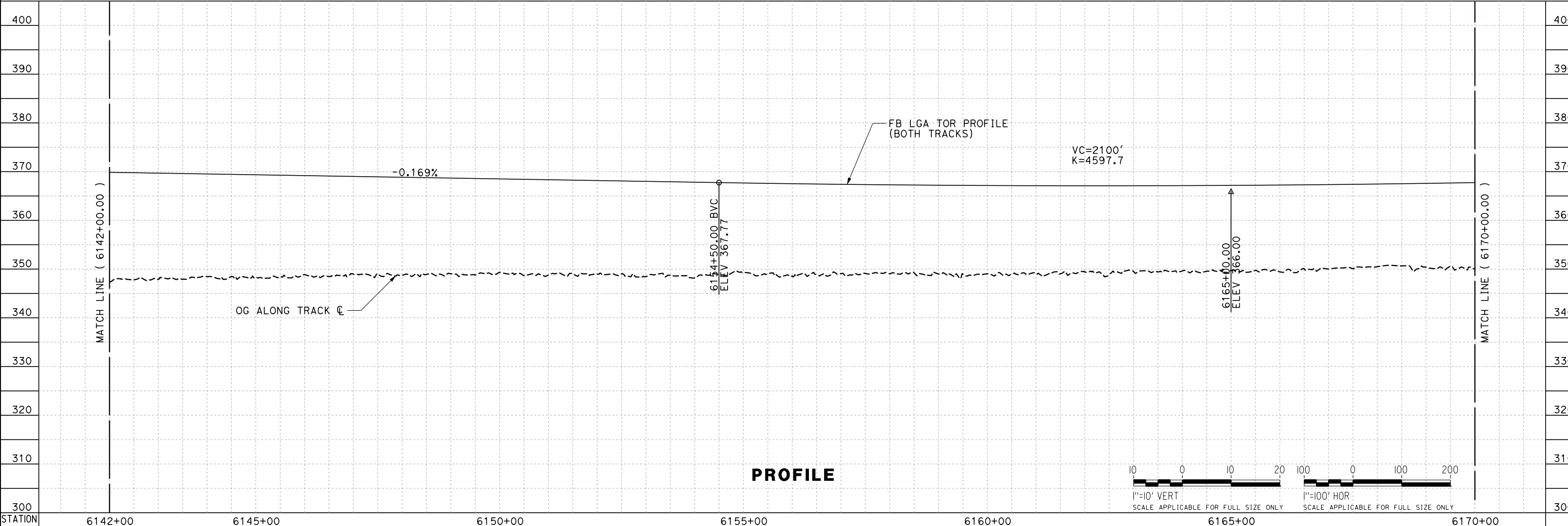
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HSR13-44
DRAWING NO.
TT-D1010
SCALE
AS SHOWN
SHEET NO.

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NOTES:
1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
102	250	28016.50	6.00	2.92	2500	19228.08



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO

DRAWN BY
T. WILKINSON

CHECKED BY
E. WINTERS

IN CHARGE
P. PIENTON

DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**

LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6142+00 TO 6170+00
PLAN AND PROFILE

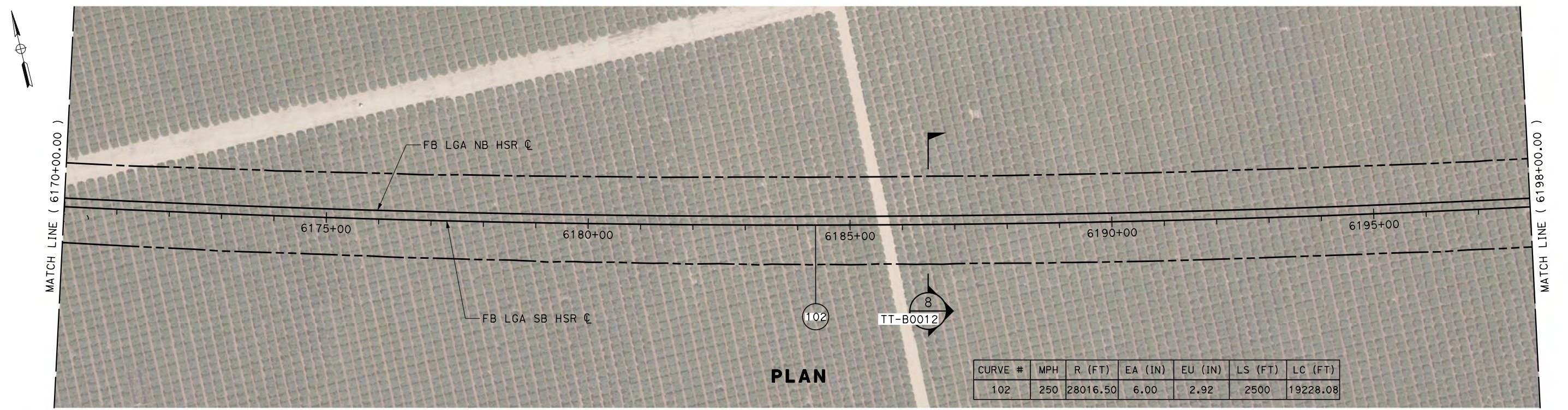
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HSR13-44

DRAWING NO.
TT-D1011

SCALE
AS SHOWN

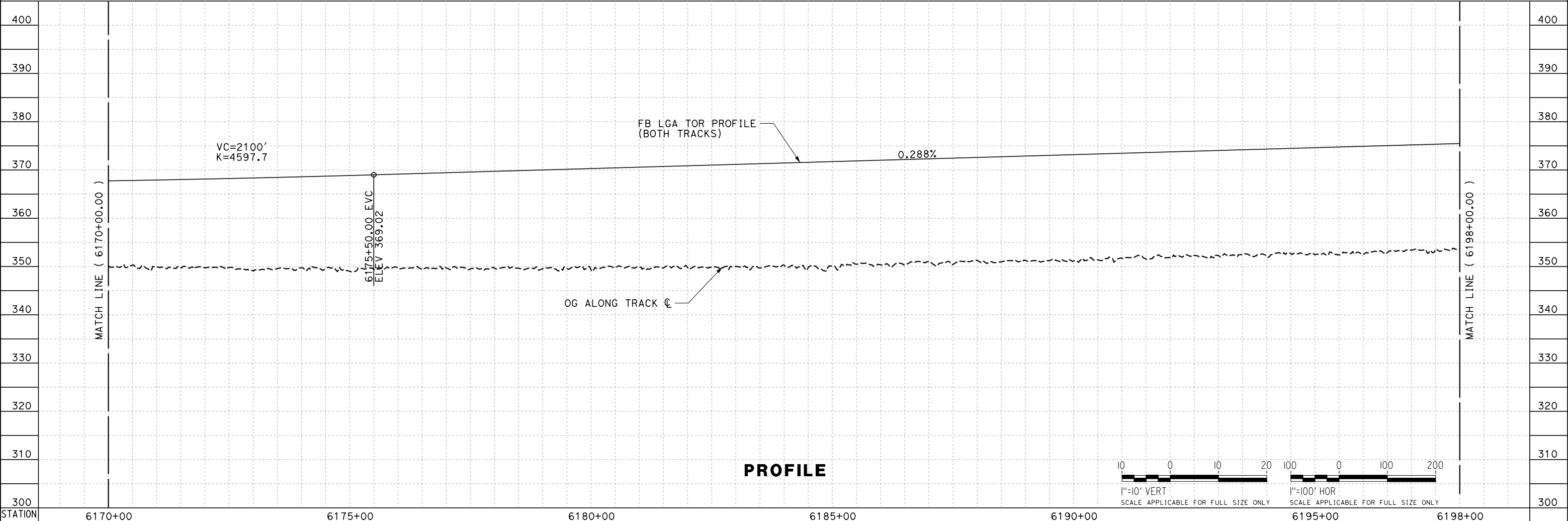
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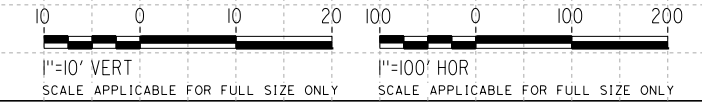


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
102	250	28016.50	6.00	2.92	2500	19228.08

PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
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T. WILKINSON
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

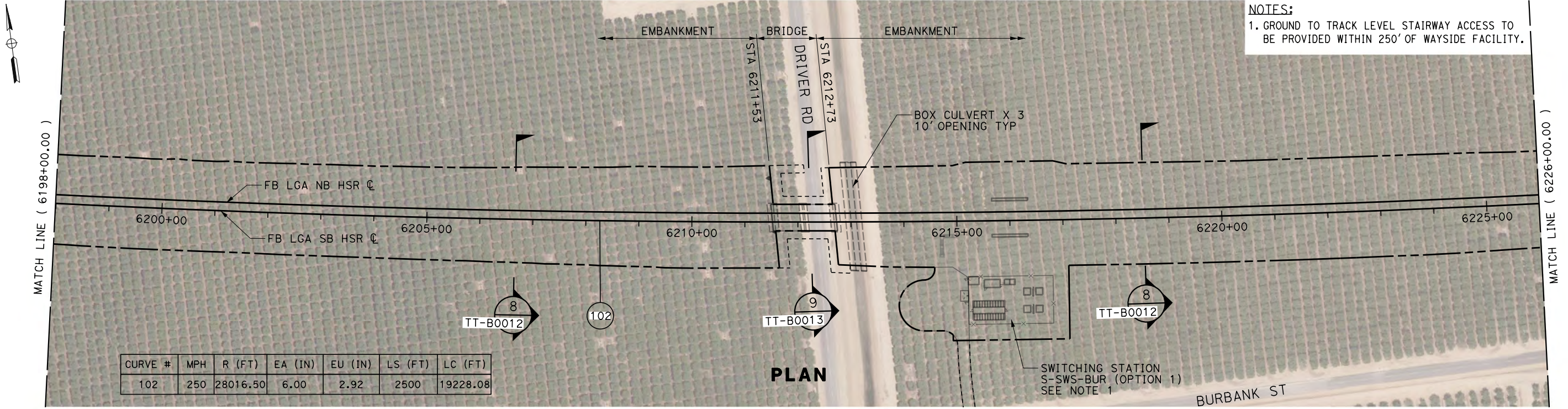
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 PEPP DESIGN
 SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 6170+00 TO 6198+00
 PLAN AND PROFILE

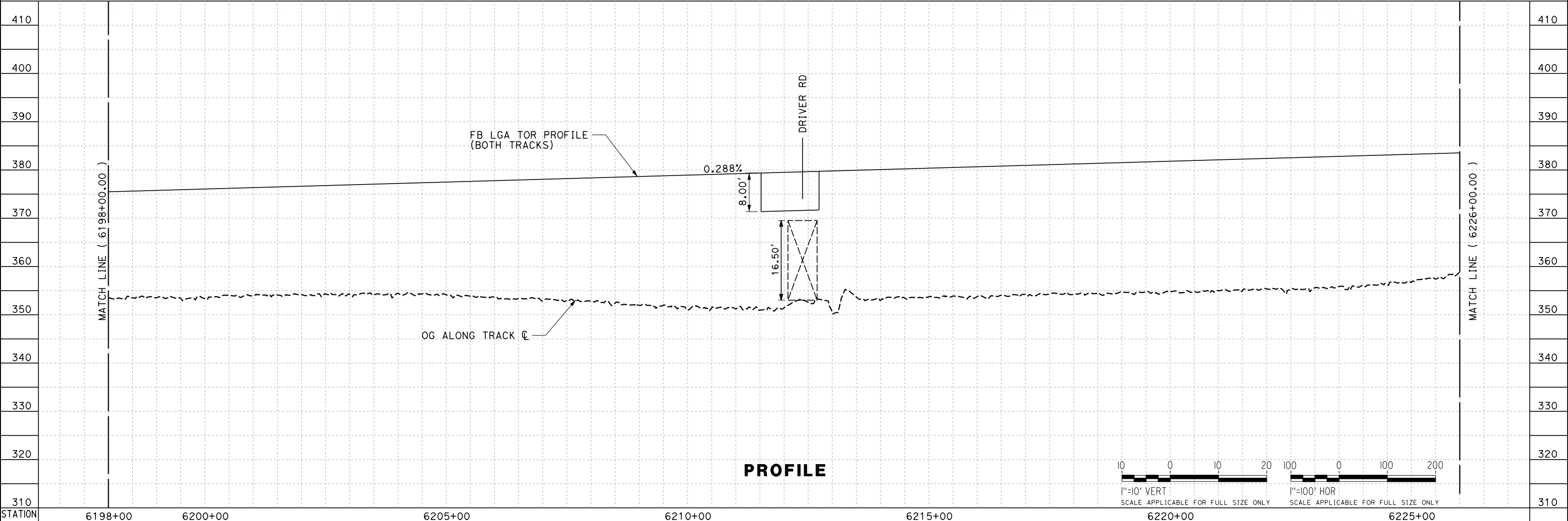
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 DRAWING NO.
TT-D1012
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AS SHOWN
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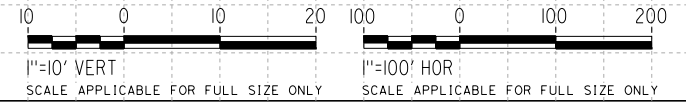


CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
102	250	28016.50	6.00	2.92	2500	19228.08

PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO

DRAWN BY
T. WILKINSON

CHECKED BY
E. WINTERS

IN CHARGE
P. PIENTON

DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6198+00 TO 6226+00
PLAN AND PROFILE

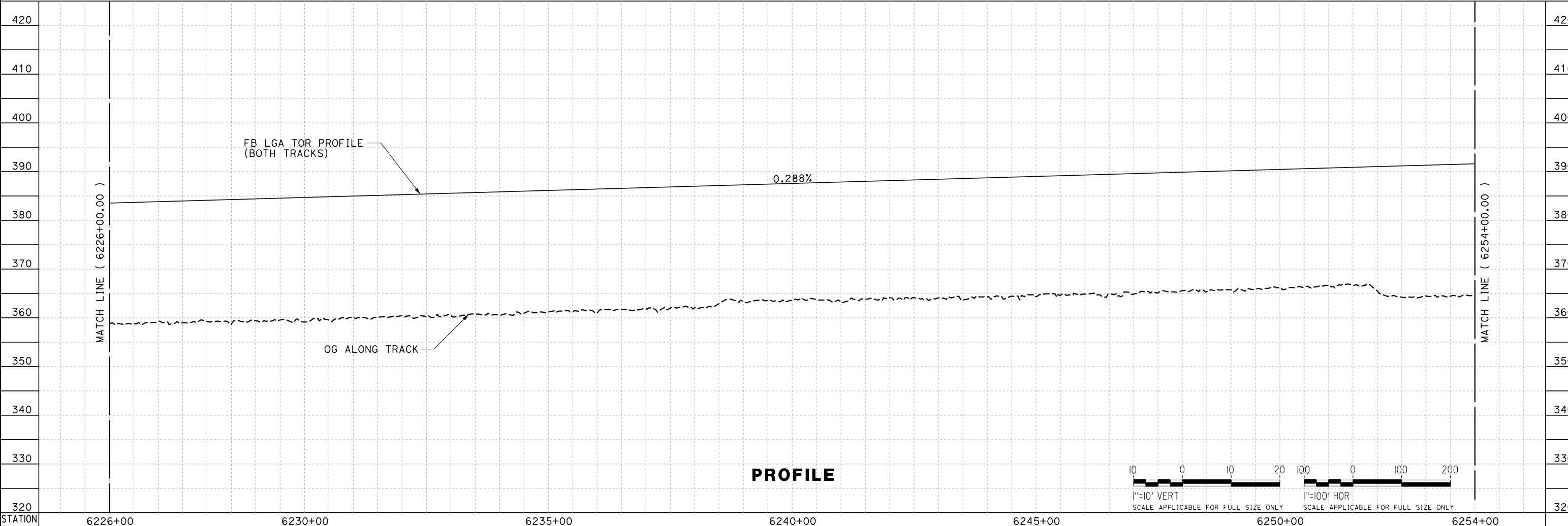
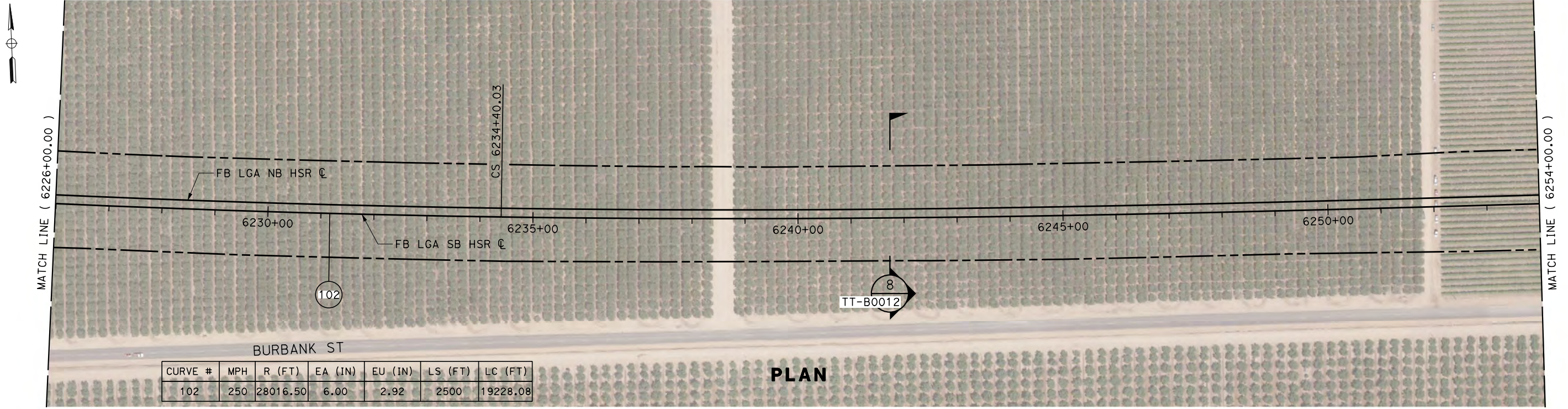
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HSR13-44

DRAWING NO.
TT-D1013

SCALE
AS SHOWN

SHEET NO.

TYLIN\jtrejo 10/26/2016 5:40:09 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1014.dgn




REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. TREJO
DRAWN BY T. WILKINSON
CHECKED BY E. WINTERS
IN CHARGE P. PIENTON
DATE 10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION

TYLIN INTERNATIONAL



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

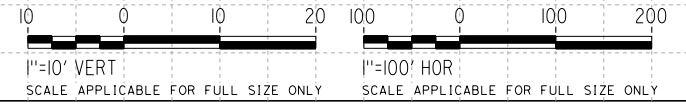
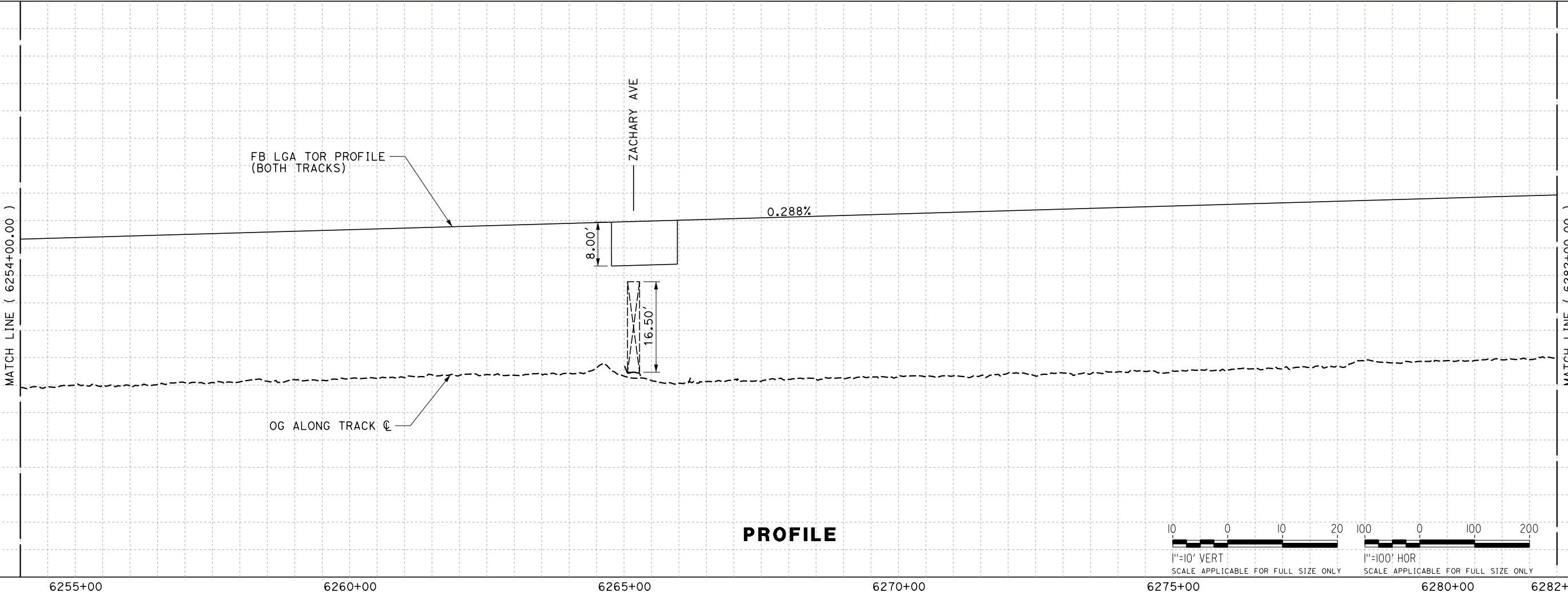
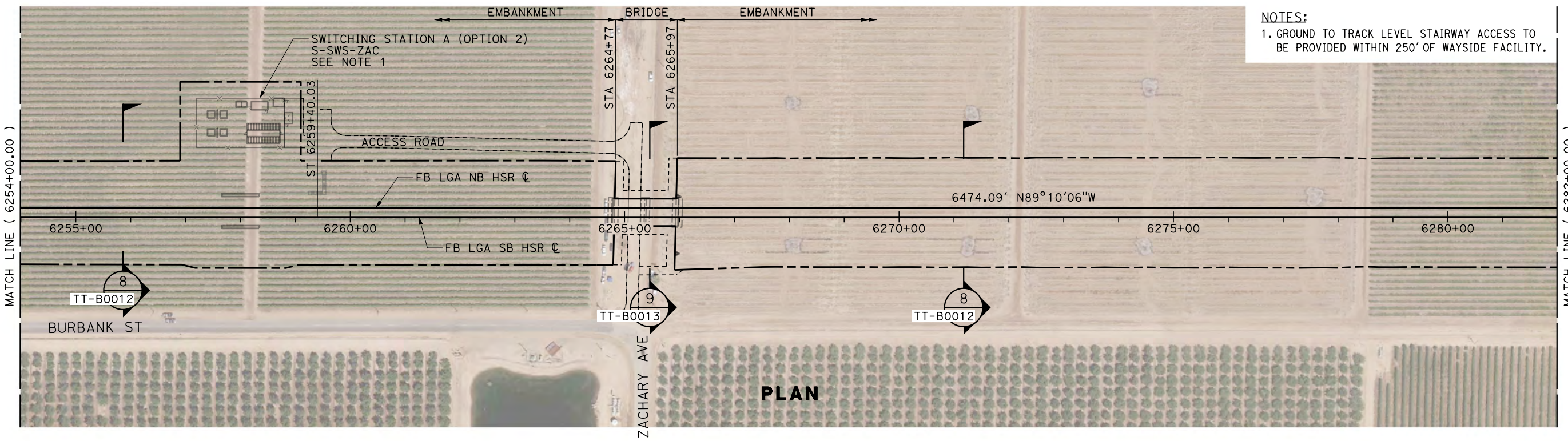
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6226+00 TO 6254+00
PLAN AND PROFILE

CONTRACT NO. HSR13-44
DRAWING NO. TT-D1014
SCALE AS SHOWN
SHEET NO.

TYL\jtrejo 11/4/2016 2:45:17 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1015.dgn



NOTES:
 1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
T. WILKINSON
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

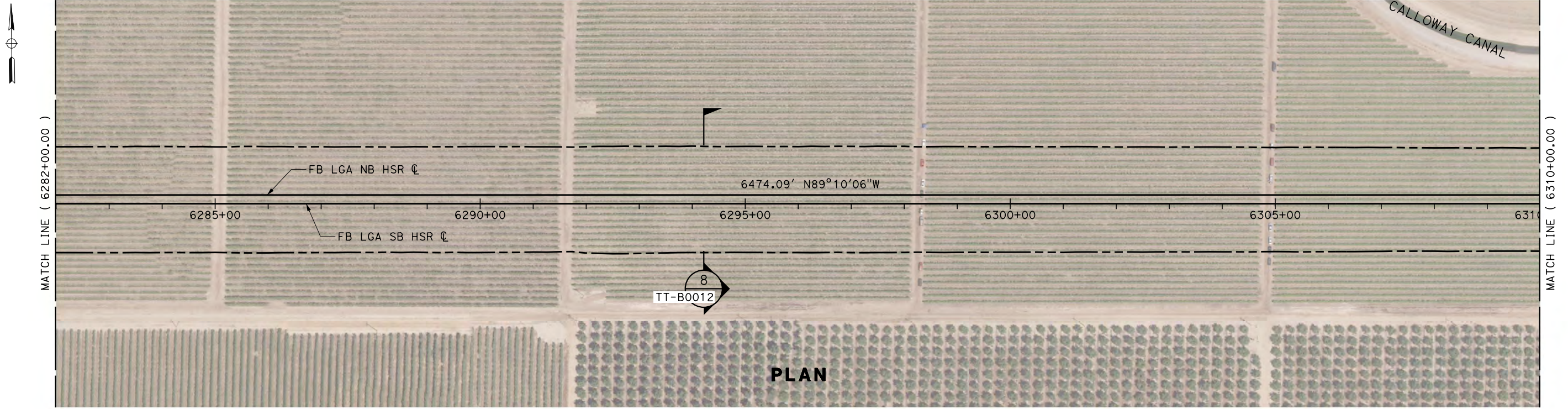
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 SUBMISSION**



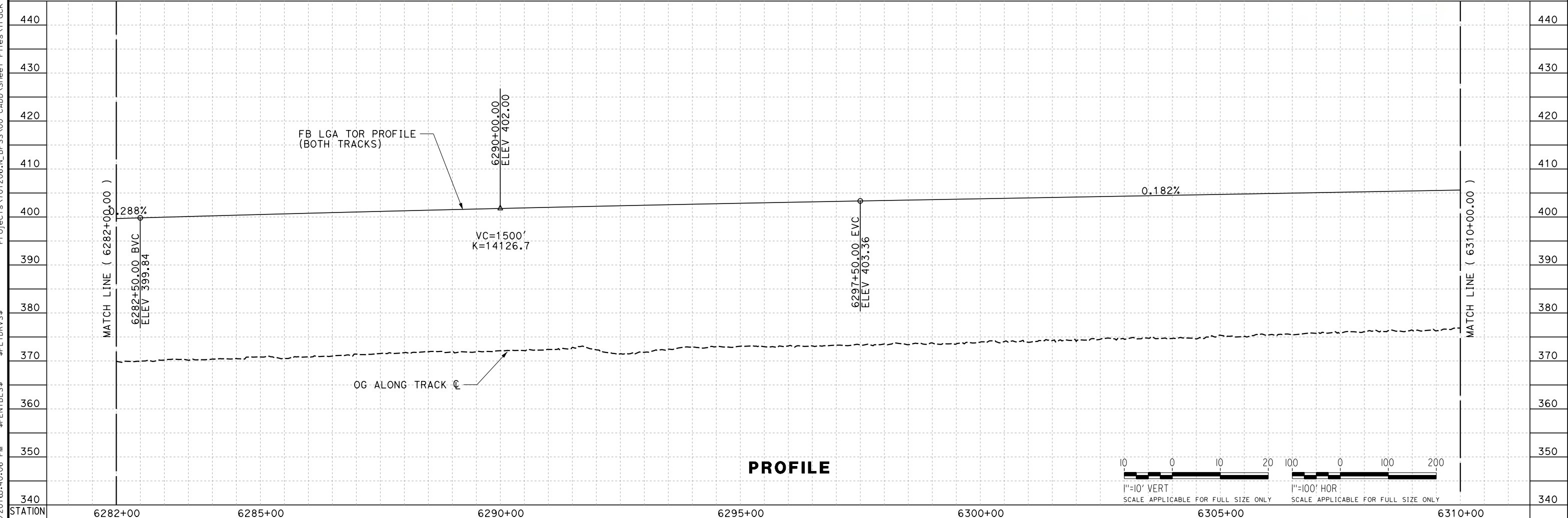
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 6254+00 TO 6282+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1015
 SCALE
AS SHOWN
 SHEET NO.

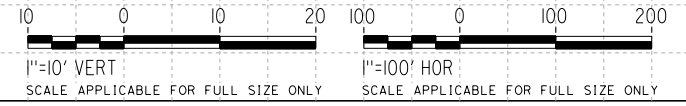
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PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
T. WILKINSON
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

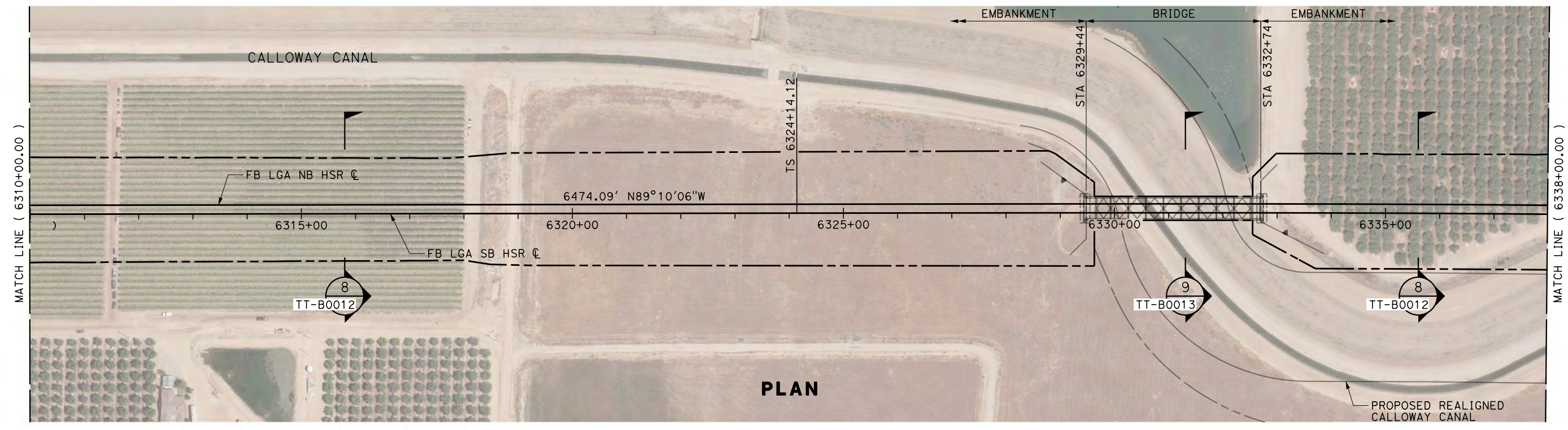
**RECORD SET
PEPD DESIGN
SUBMISSION**



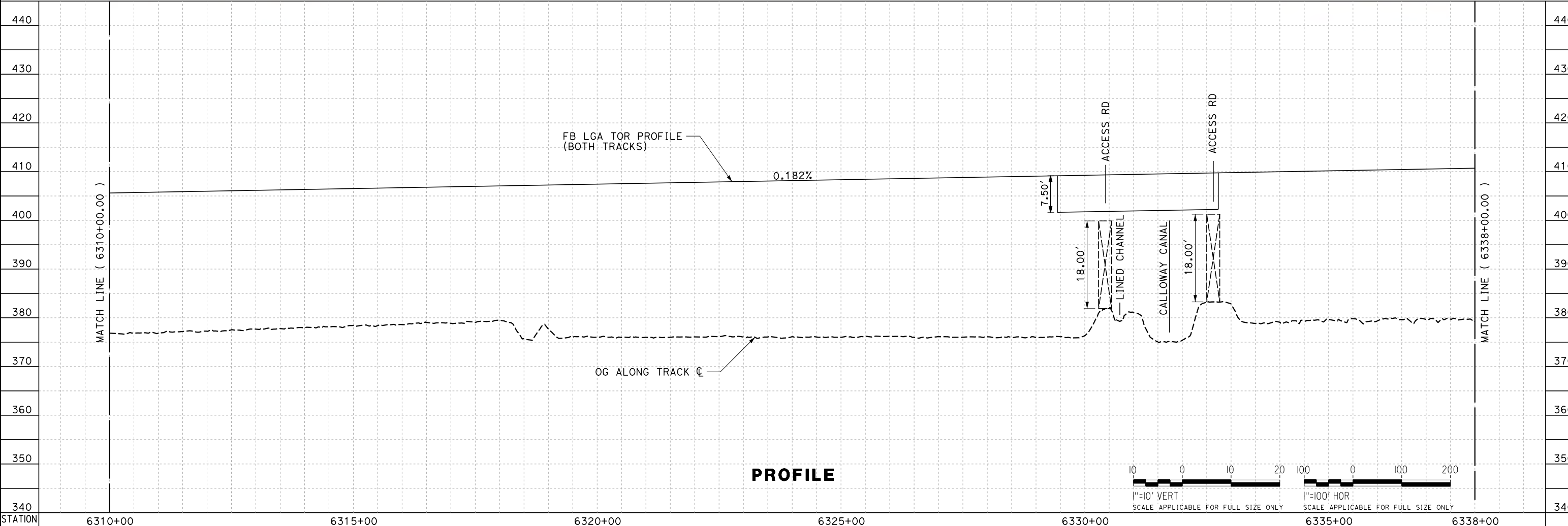
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6282+00 TO 6310+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1016
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 10/26/2016 5:40:15 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1017.dgn



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
T. WILKINSON
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

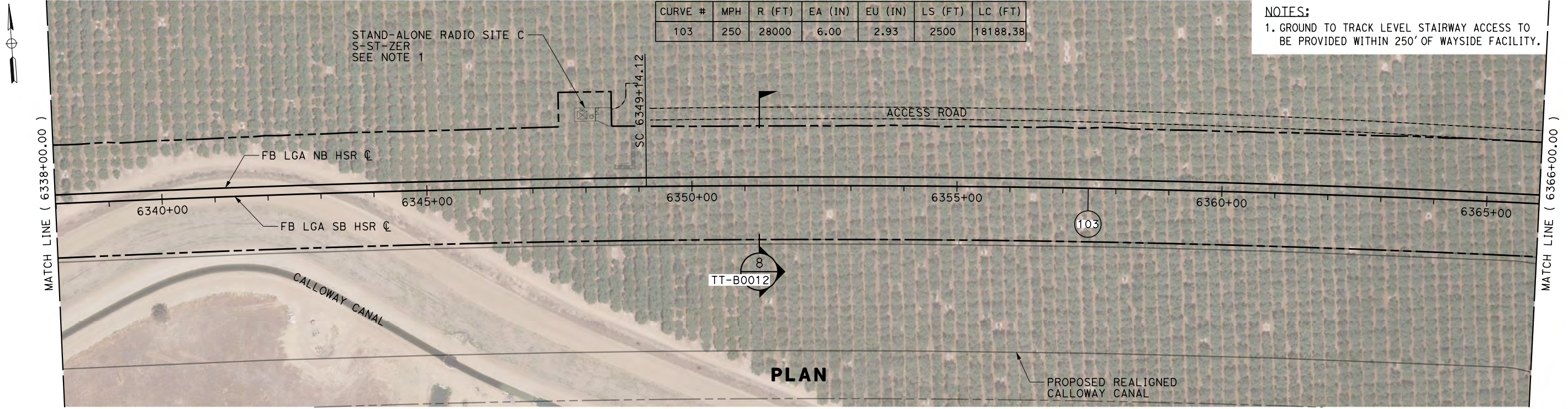
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SUBMISSION**



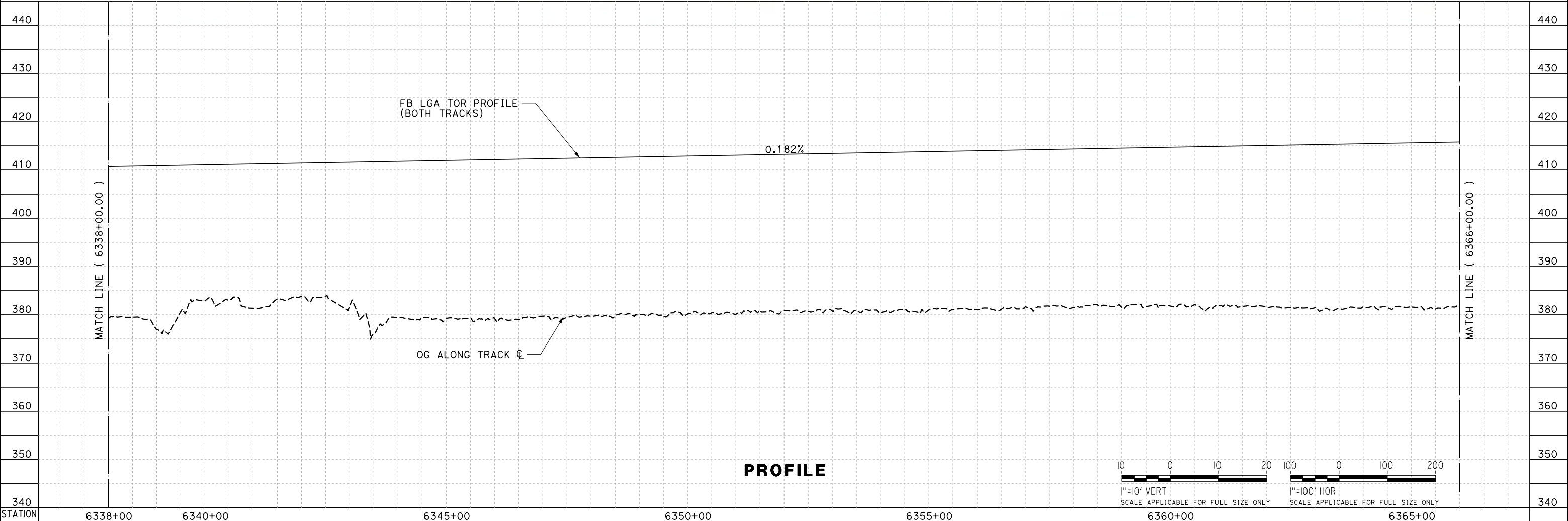
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6310+00 TO 6338+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1017
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 10/26/2016 5:40:16 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1018.dgn



NOTES:
1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO

DRAWN BY
T. WILKINSON

CHECKED BY
E. WINTERS

IN CHARGE
P. PIENTON

DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6338+00 TO 6366+00
PLAN AND PROFILE

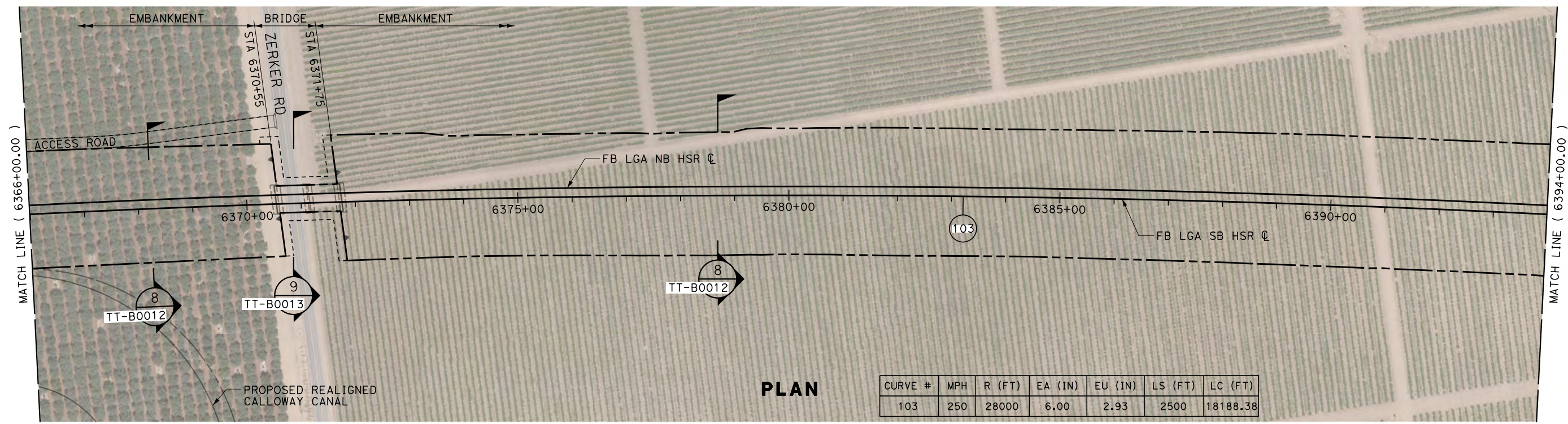
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HSR13-44

DRAWING NO.
TT-D1018

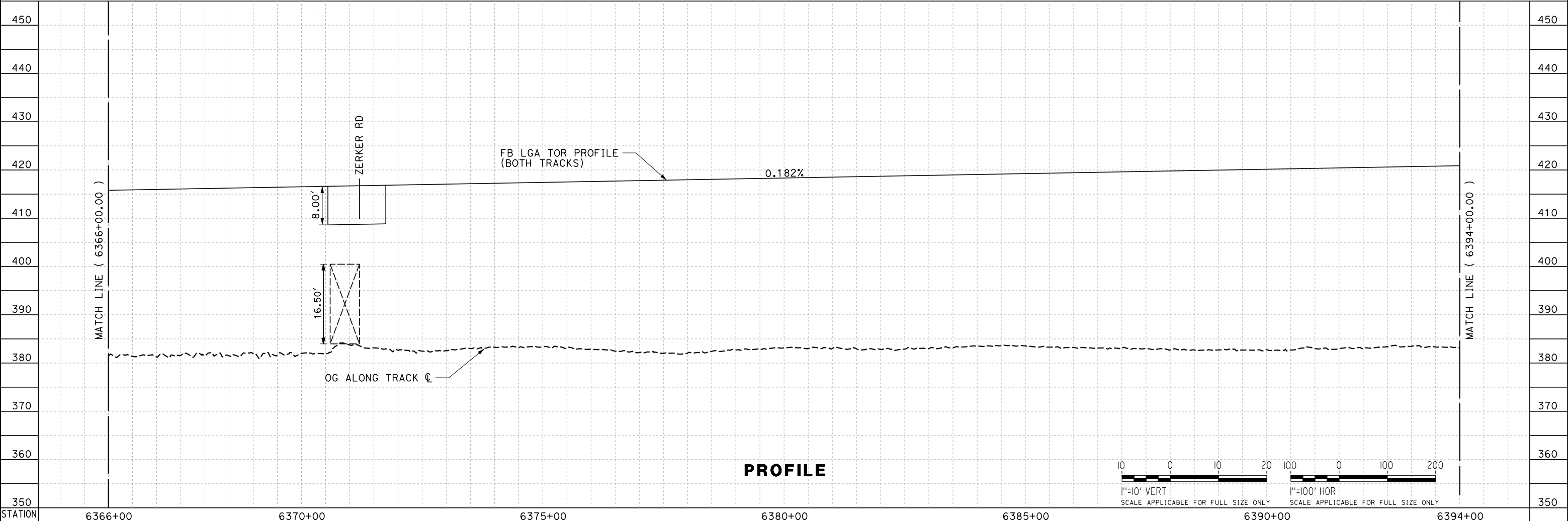
SCALE
AS SHOWN

SHEET NO.

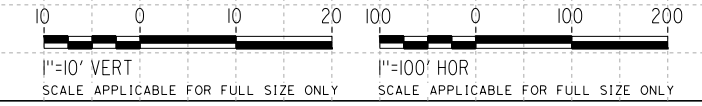
TYLIN\jtrejo 11/4/2016 2:45:19 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1019.dgn



PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
T. WILKINSON
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

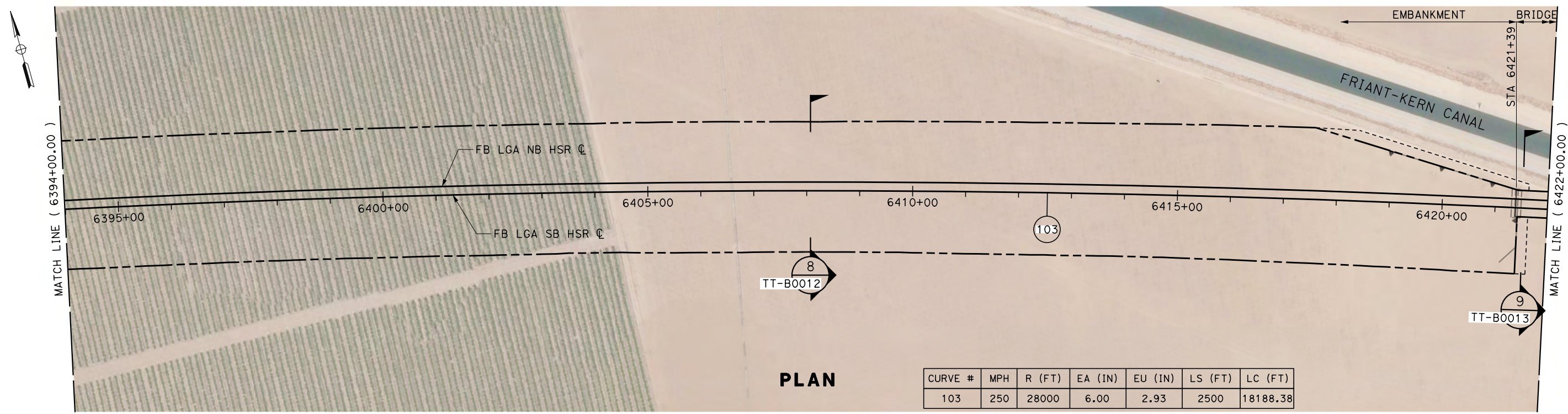
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PEPD DESIGN
SUBMISSION**



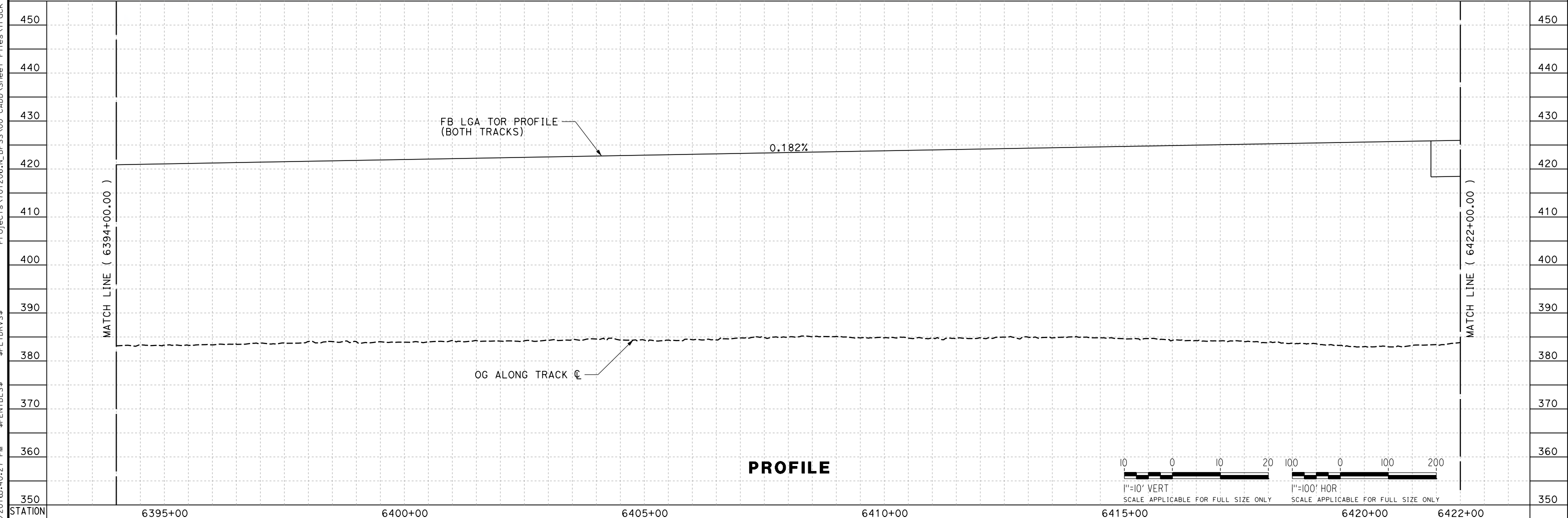
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6366+00 TO 6394+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1019
SCALE
AS SHOWN
SHEET NO.

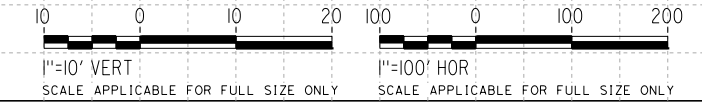
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PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
T. WILKINSON
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

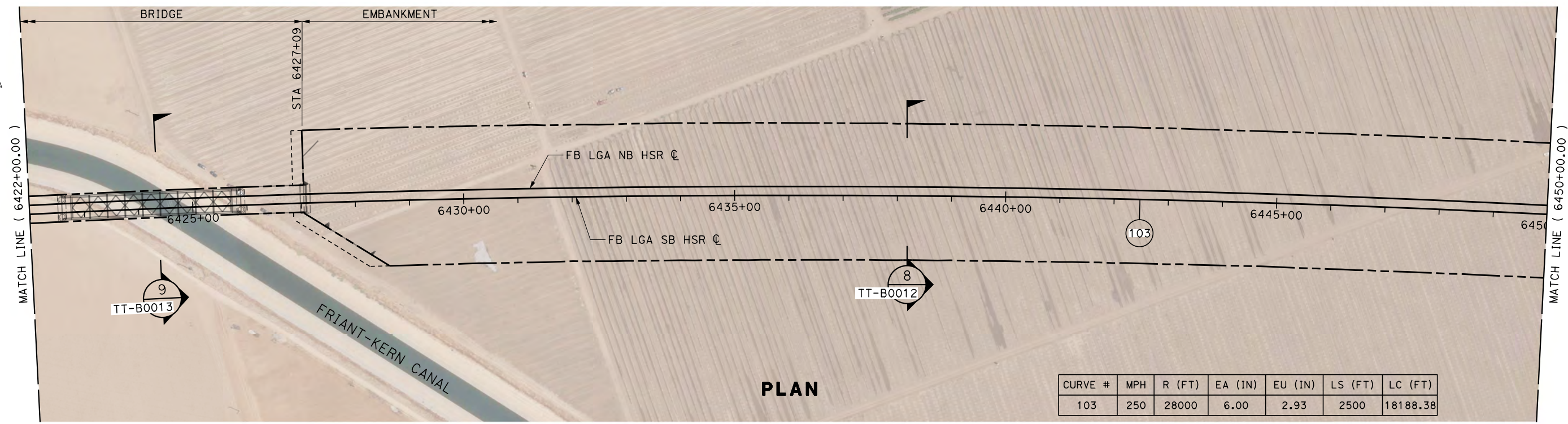
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PEPD DESIGN
SUBMISSION**



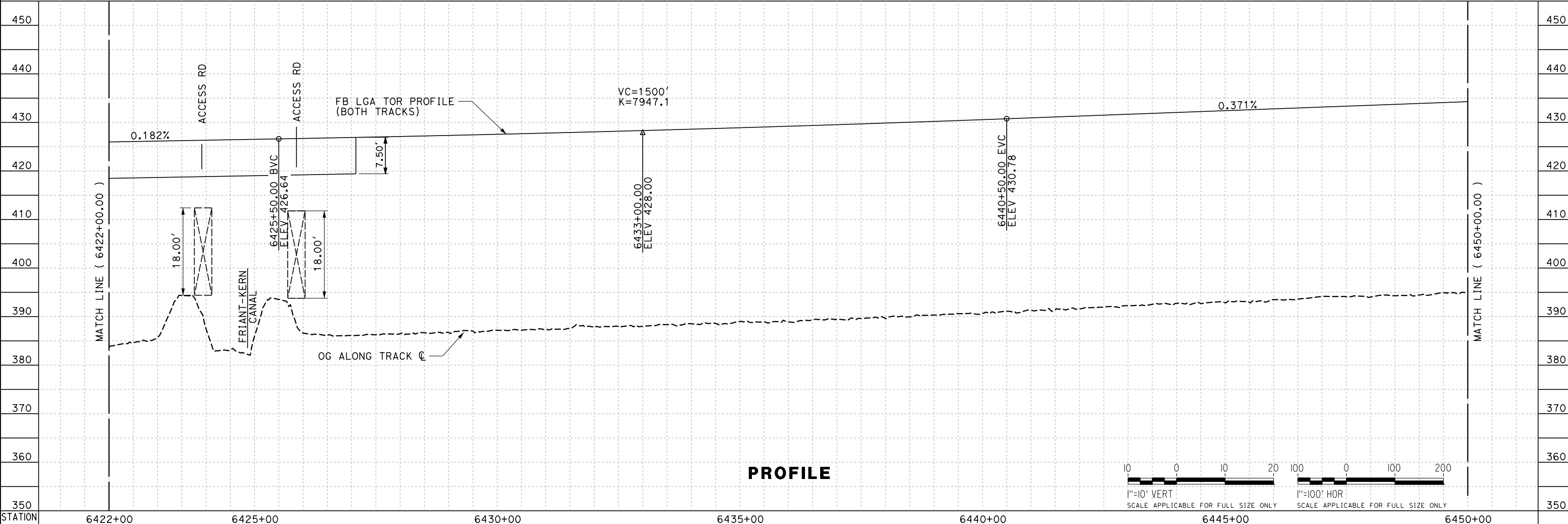
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6394+00 TO 6422+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1020
SCALE
AS SHOWN
SHEET NO.

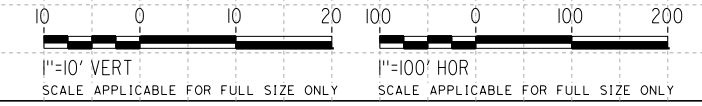
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PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
T. WILKINSON
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

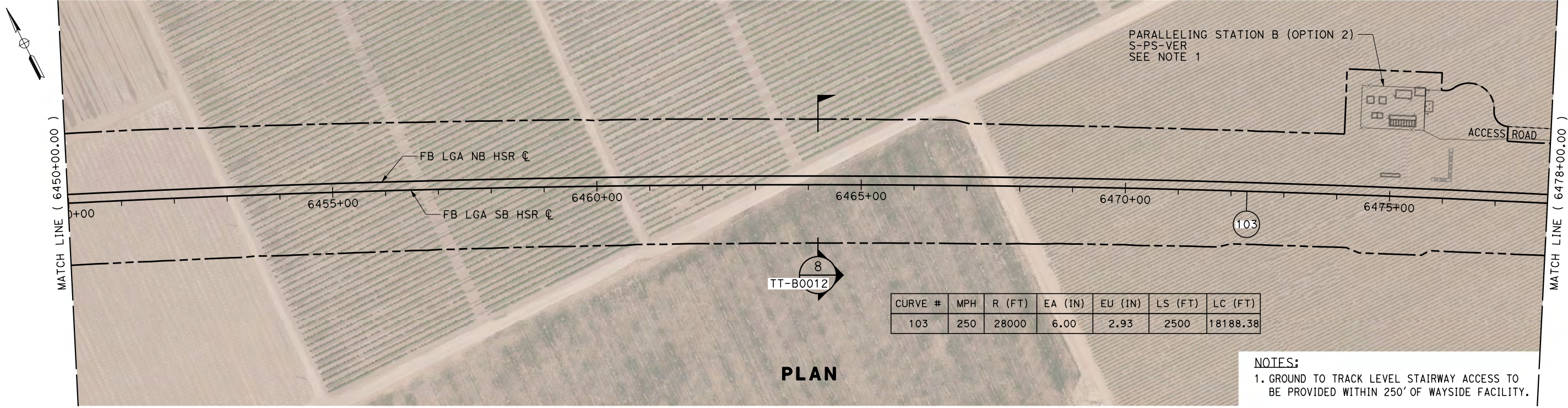
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6422+00 TO 6450+00
PLAN AND PROFILE

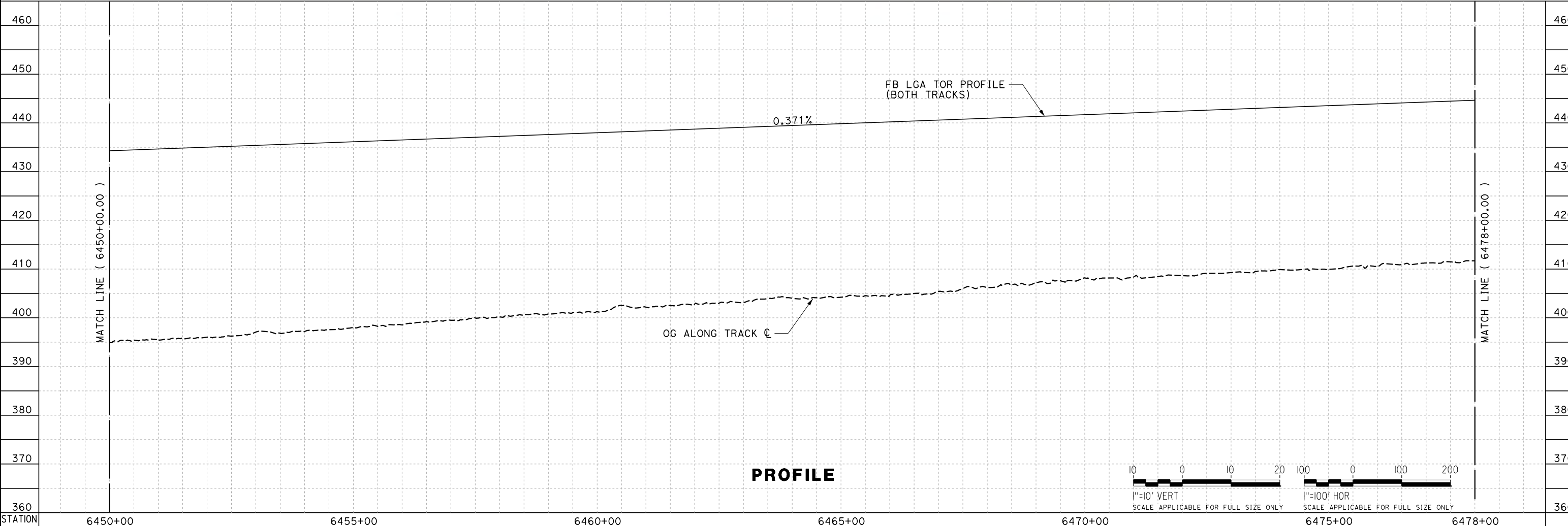
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HSR13-44
DRAWING NO.
TT-D1021
SCALE
AS SHOWN
SHEET NO.

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PLAN

NOTES:
1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.

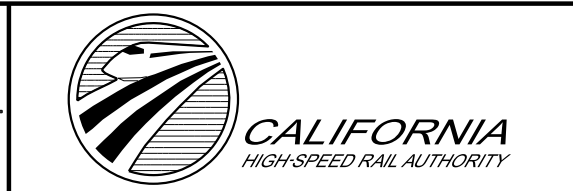


PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
T. WILKINSON
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**

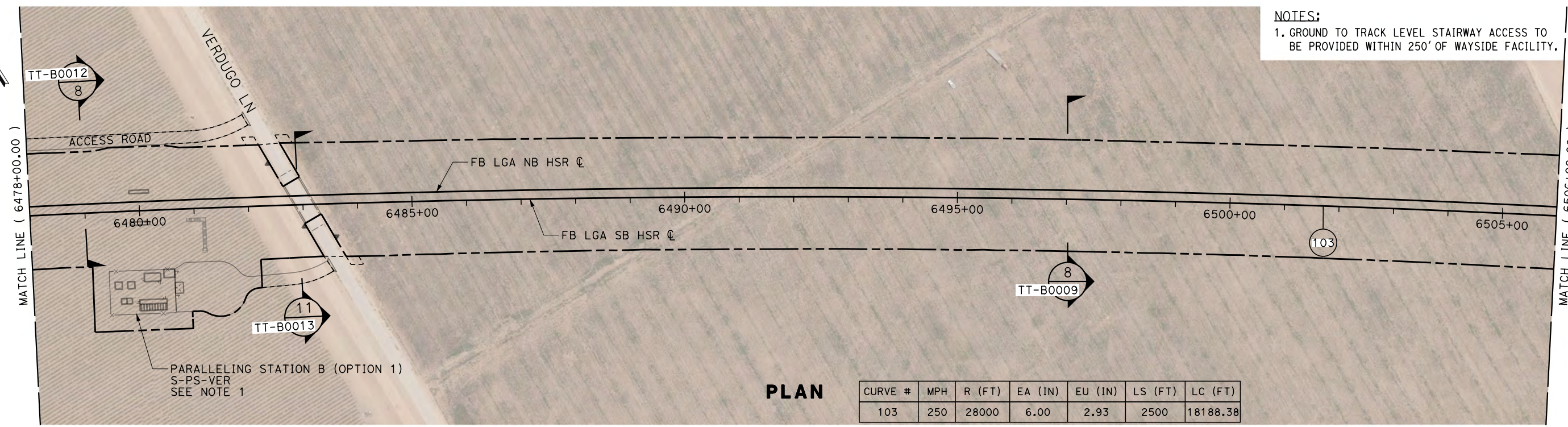


**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6450+00 TO 6478+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1022
SCALE
AS SHOWN
SHEET NO.

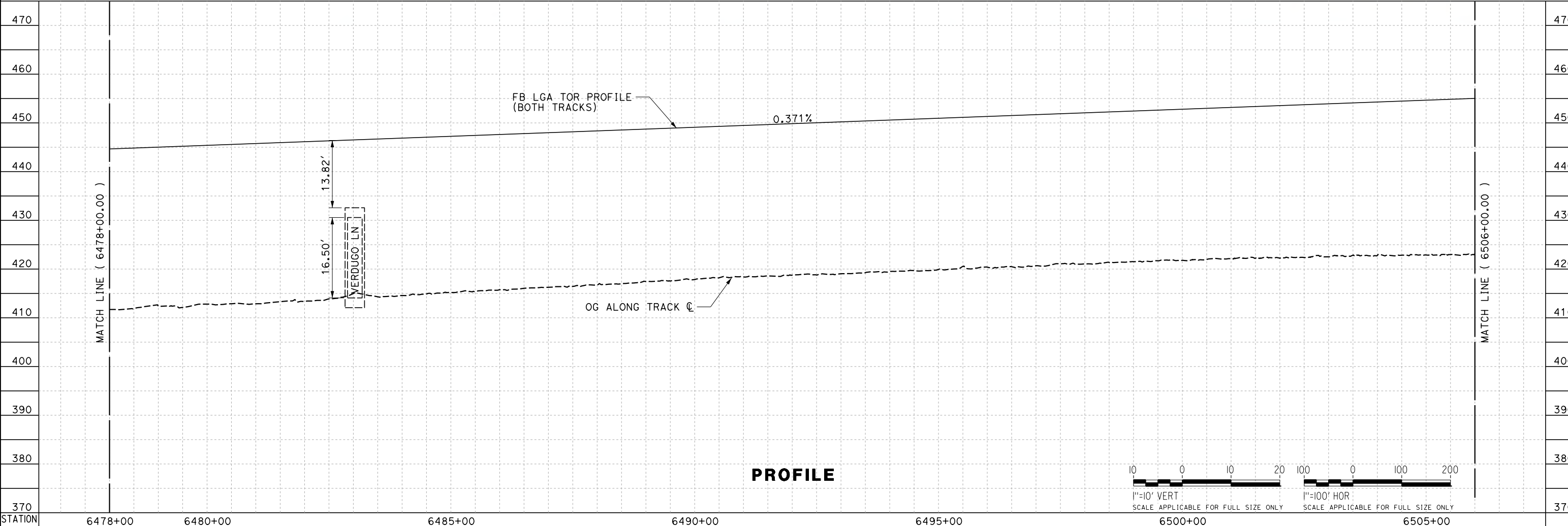
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NOTES:
 1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.

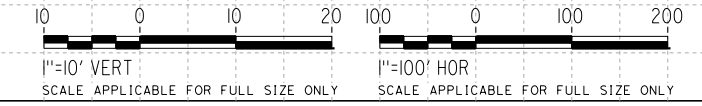


PLAN

CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
103	250	28000	6.00	2.93	2500	18188.38



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
T. WILKINSON
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

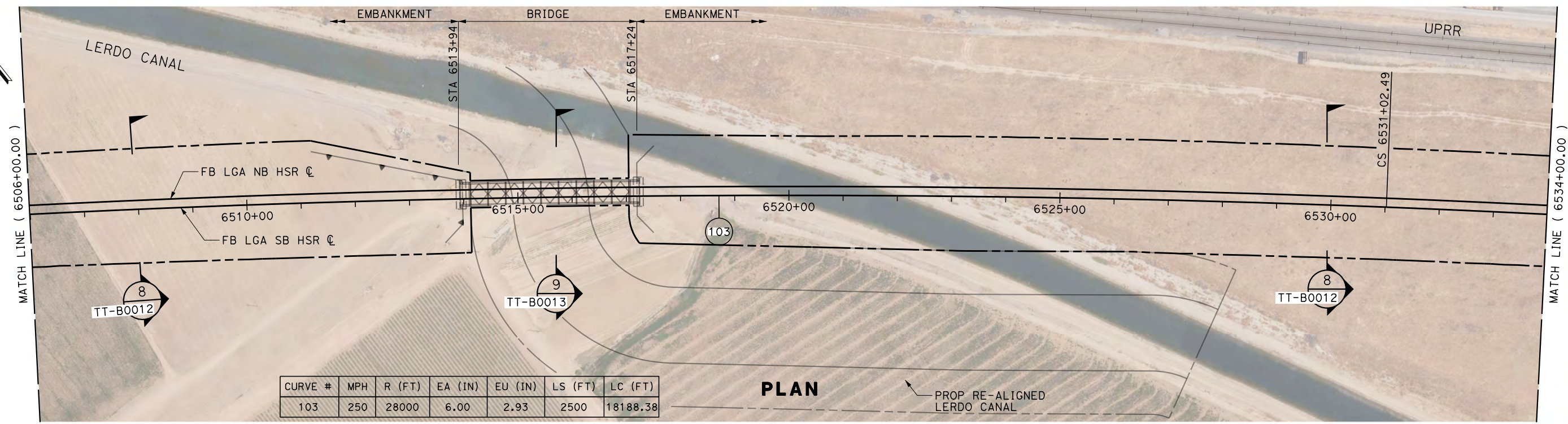
**RECORD SET
 PEPP DESIGN
 SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 6478+00 TO 6506+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1023
 SCALE
AS SHOWN
 SHEET NO.

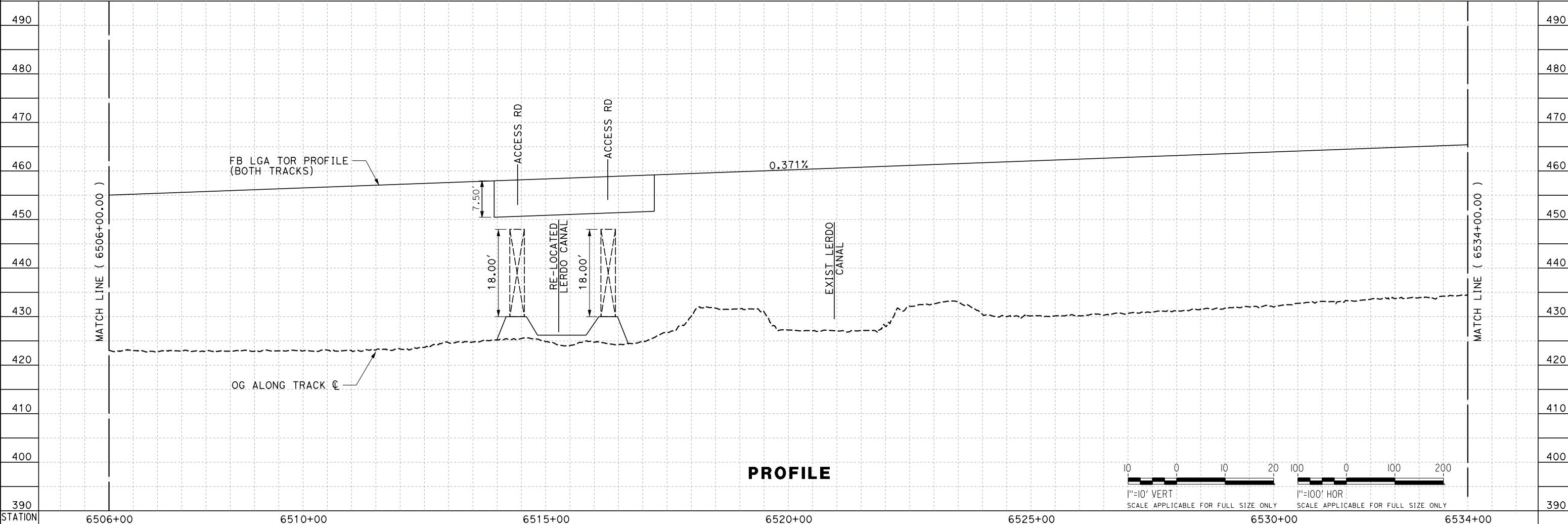
Projects\701206_N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1024.dgn
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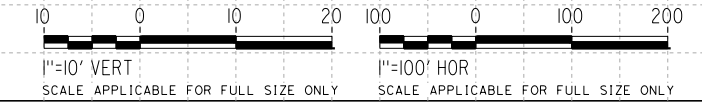
CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
103	250	28000	6.00	2.93	2500	18188.38

PLAN

PROP RE-ALIGNED LERDO CANAL



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
T. WILKINSON
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

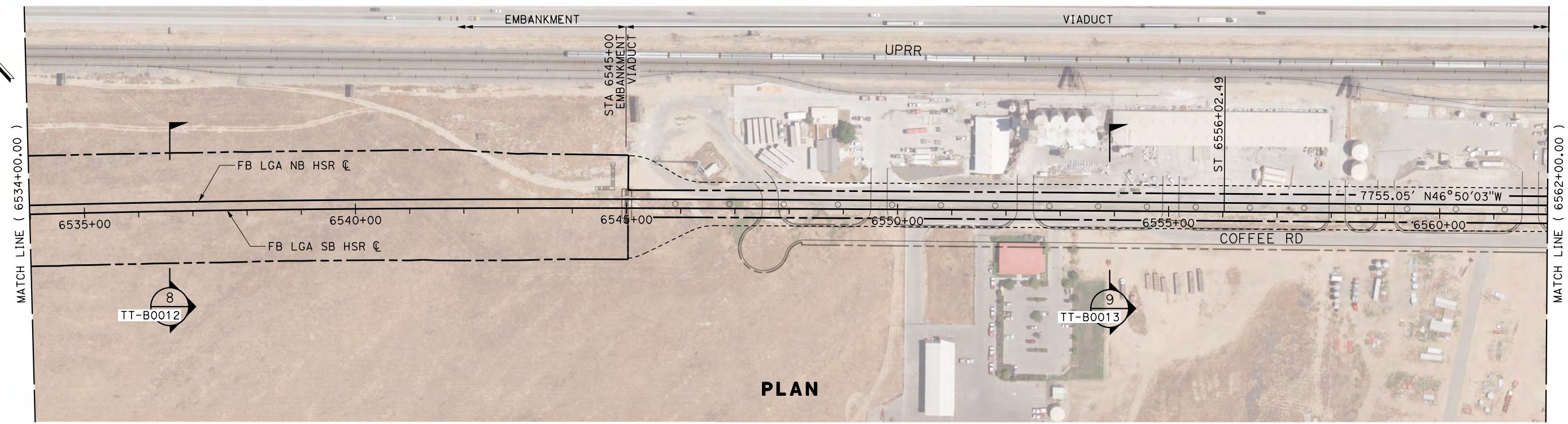
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 PEPD DESIGN
 SUBMISSION**



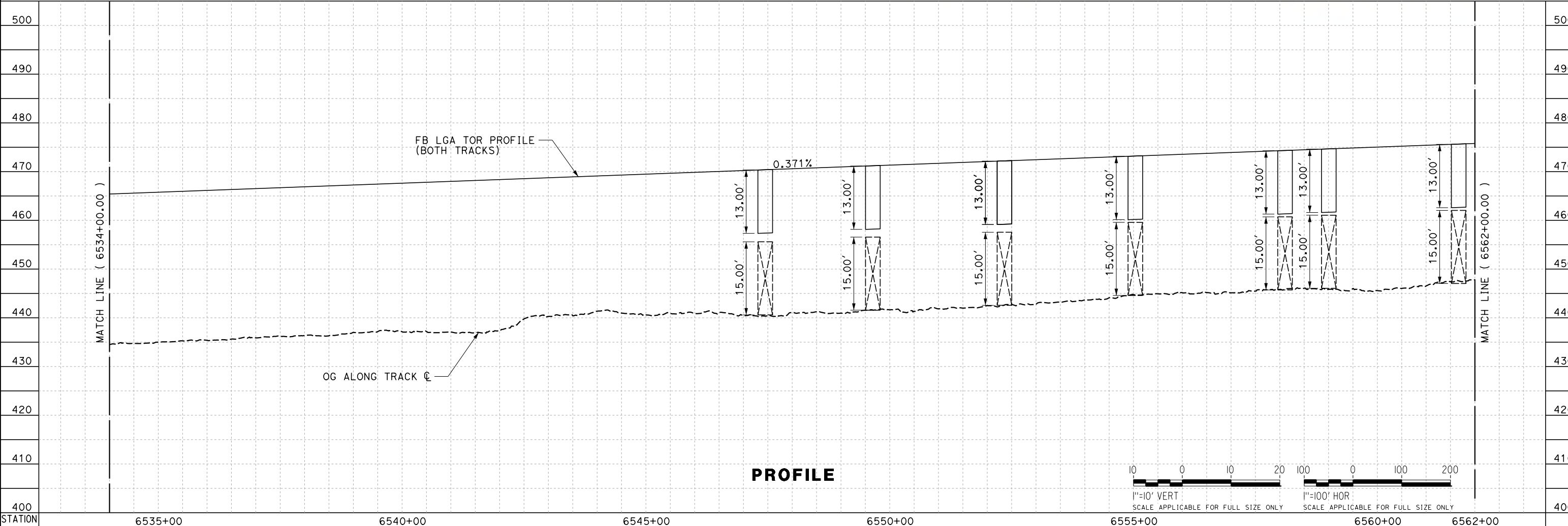
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 6506+00 TO 6534+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1024
 SCALE
AS SHOWN
 SHEET NO.

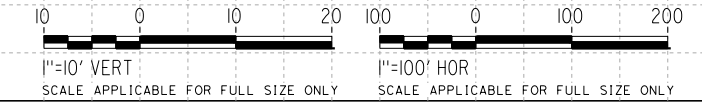
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PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
T. WILKINSON
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

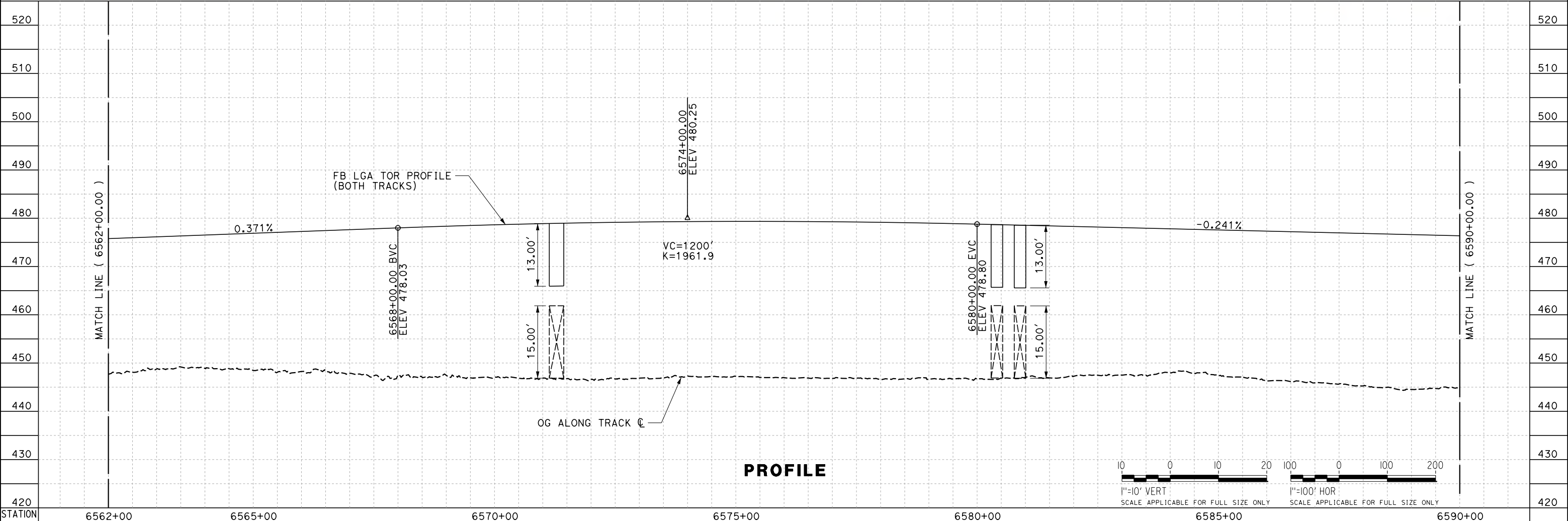
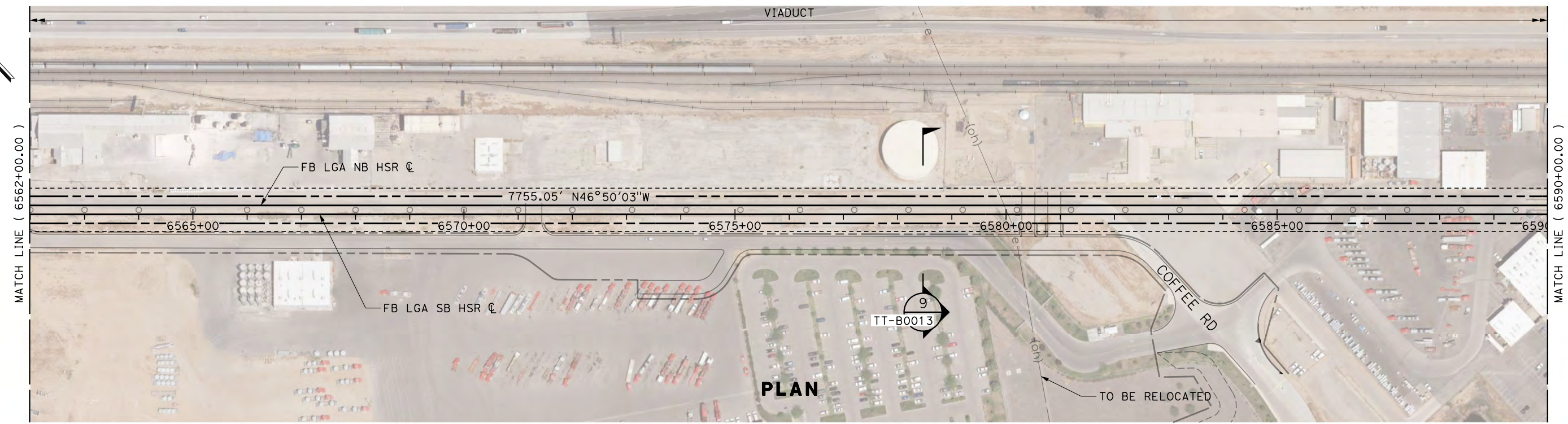
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6534+00 TO 6562+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1025
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 10/26/2016 5:40:43 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1026.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
T. WILKINSON
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

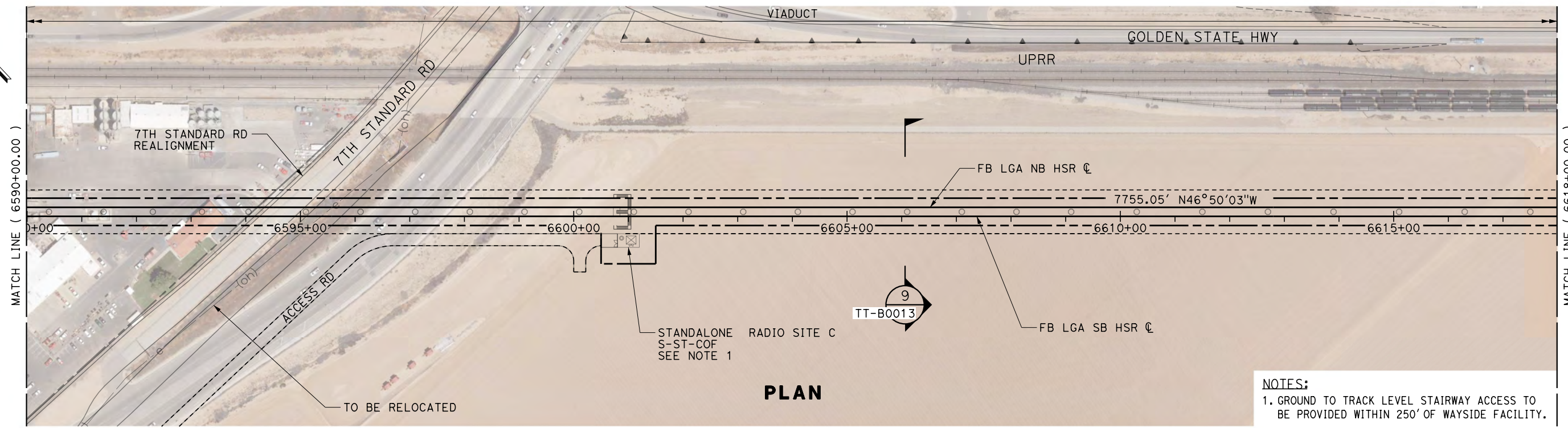
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PEPD DESIGN
SUBMISSION**



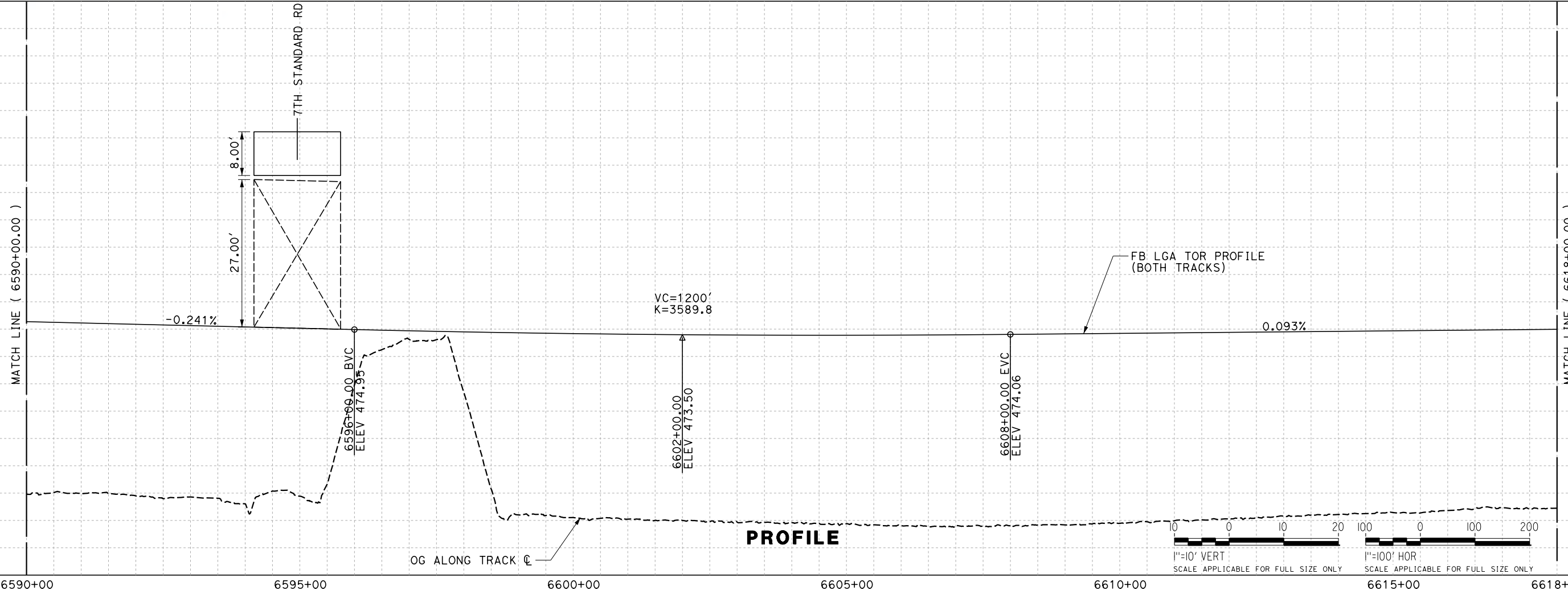
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6562+00 TO 6590+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1026
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 10/26/2016 5:41:07 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N.BFSS\00 CADD\Sheet Files\Track Sheets\BFSSA-TT-D1027.dgn



NOTES:
 1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
T. WILKINSON
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

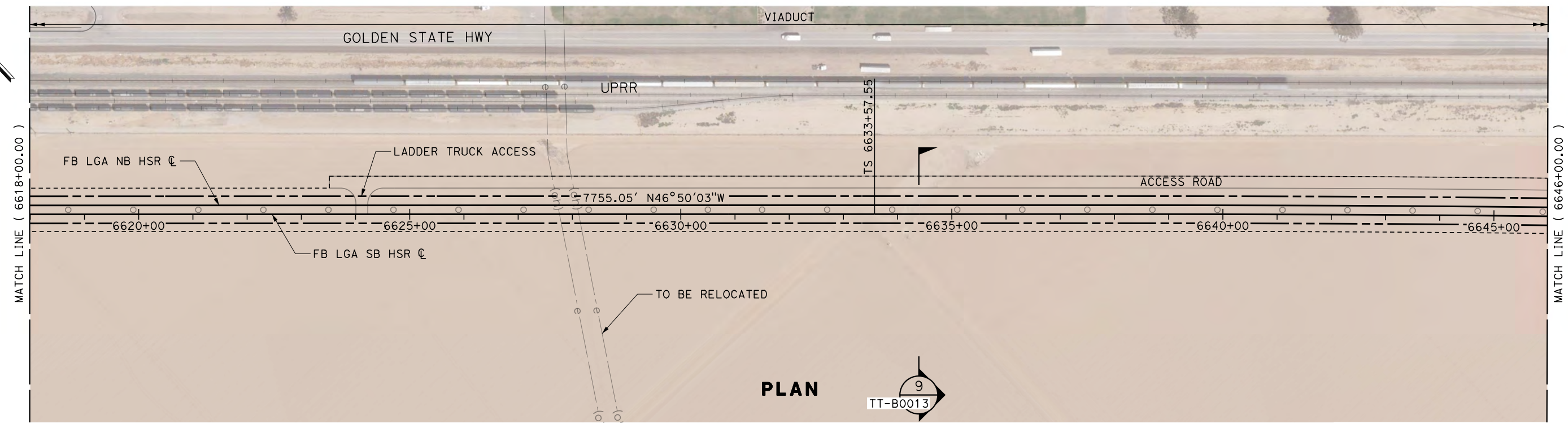
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 PEPP DESIGN
 SUBMISSION**



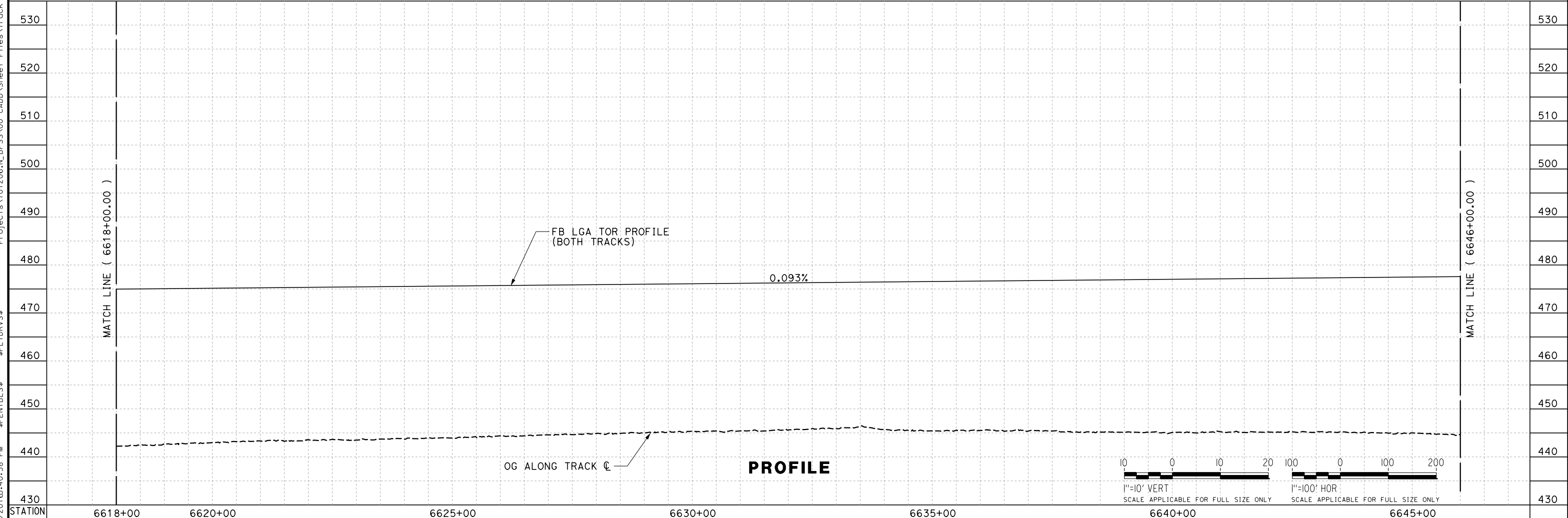
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 6590+00 TO 6618+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1027
 SCALE
AS SHOWN
 SHEET NO.

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PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
T. WILKINSON
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

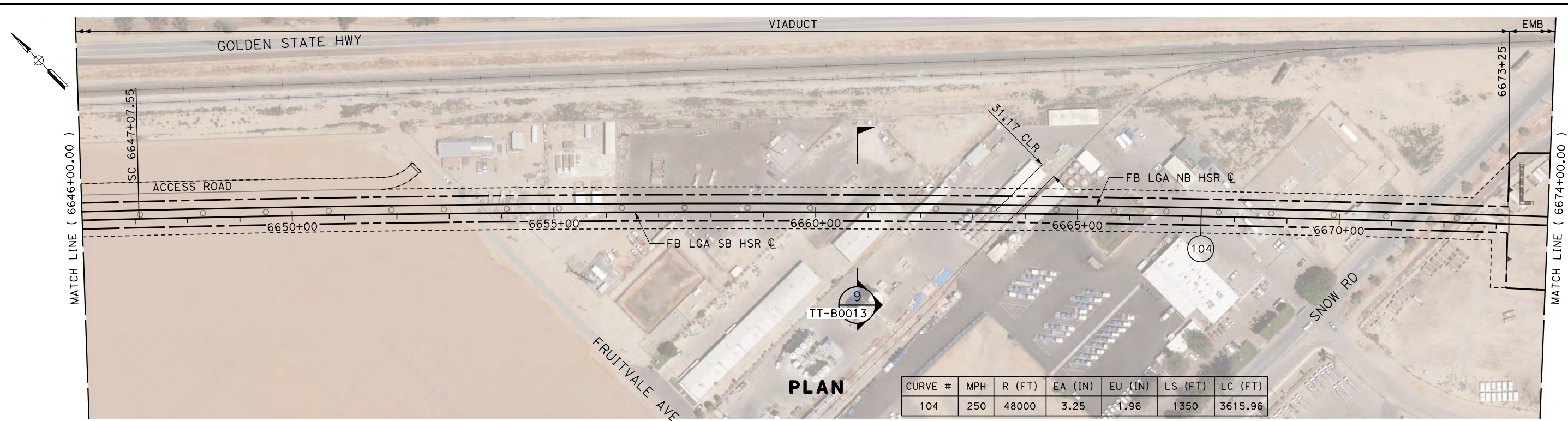
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PEPD DESIGN
SUBMISSION**



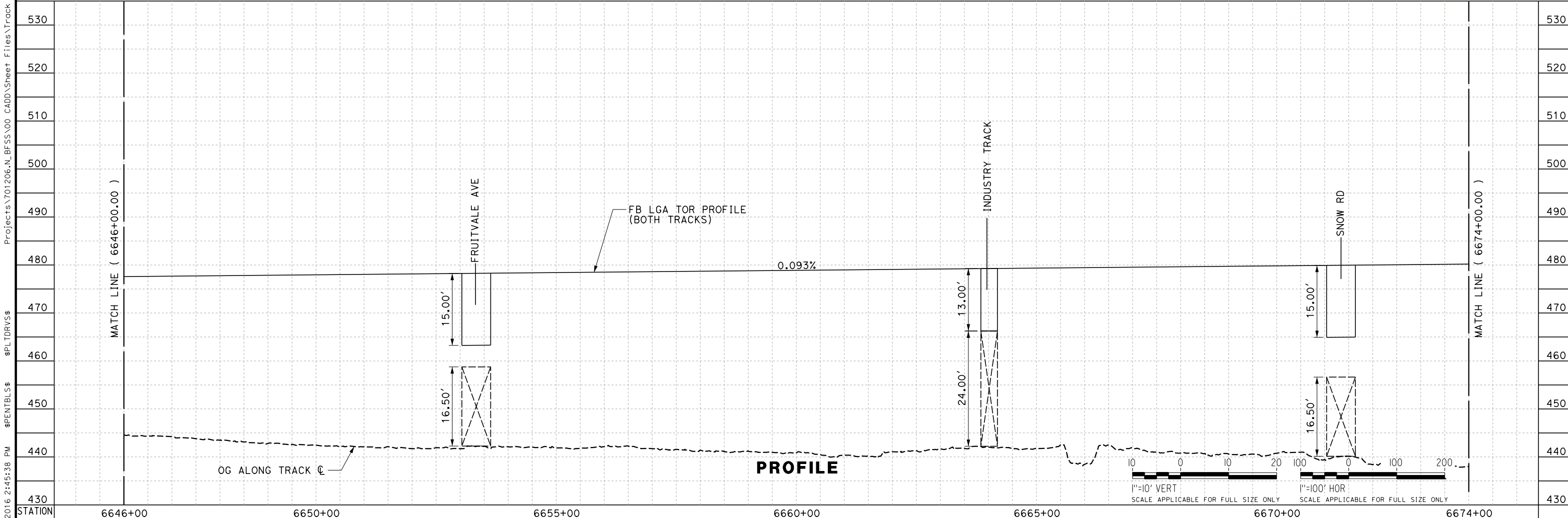
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6618+00 TO 6646+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1028
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 11/4/2016 2:45:38 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1029.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
104	250	48000	3.25	1.96	1350	3615.96



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
T. WILKINSON
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

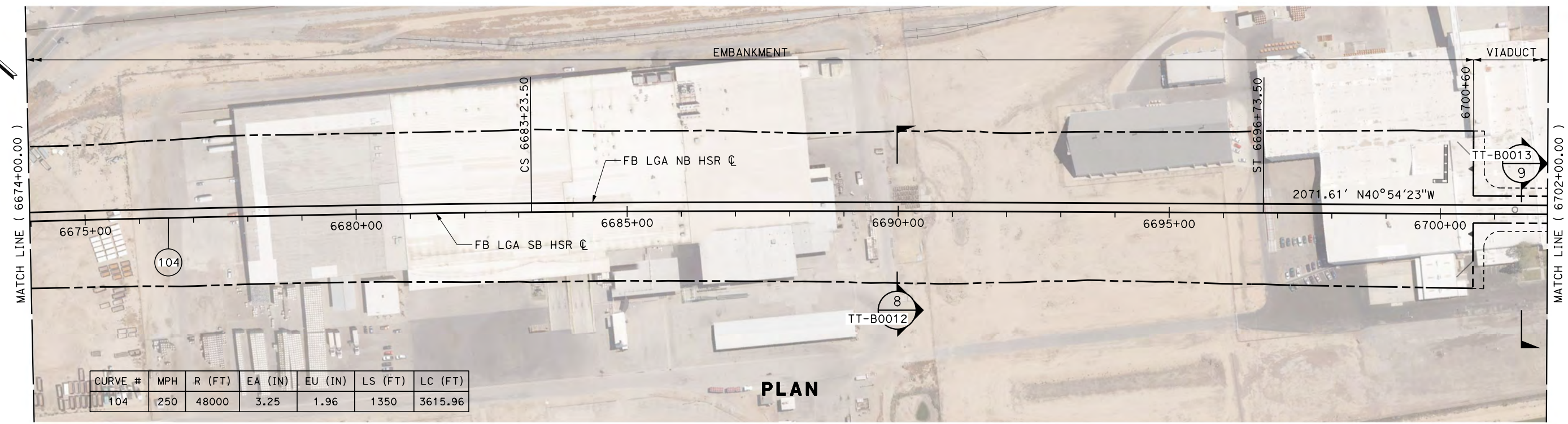
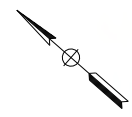
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6646+00 TO 6674+00
PLAN AND PROFILE

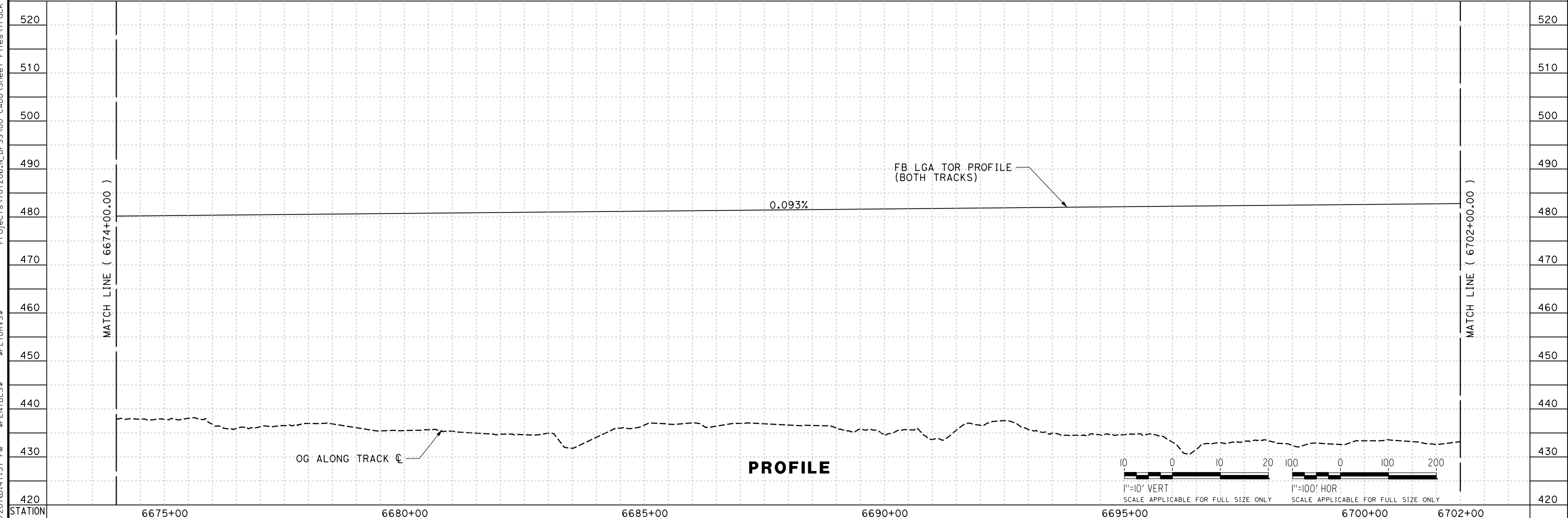
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DRAWING NO.
TT-D1029
SCALE
AS SHOWN
SHEET NO.

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CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
104	250	48000	3.25	1.96	1350	3615.96

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
N. OLINO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

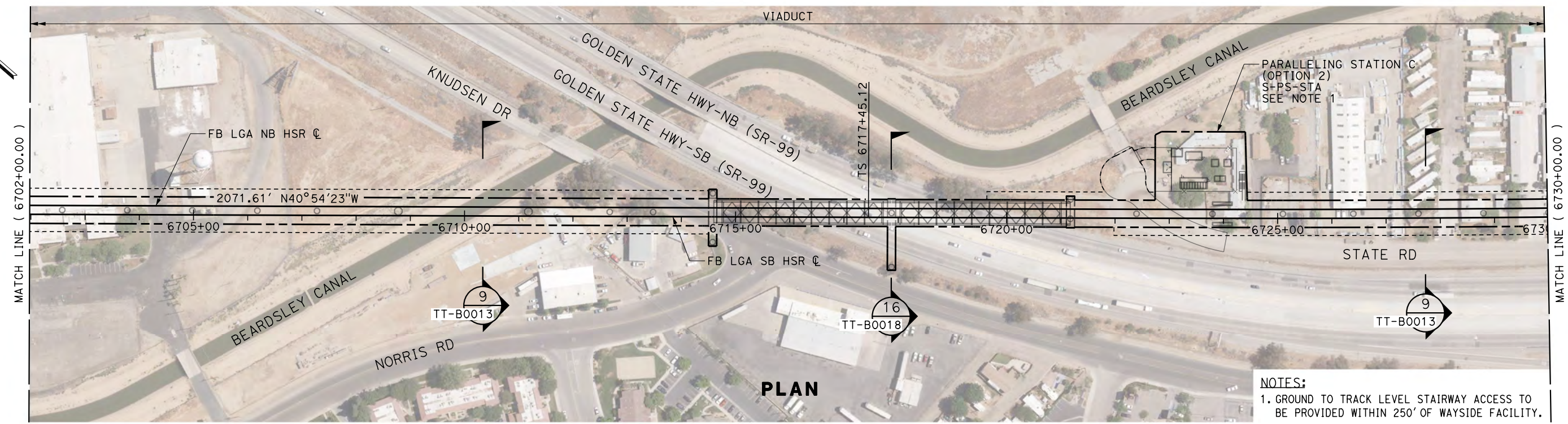
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PEPD DESIGN
SUBMISSION**



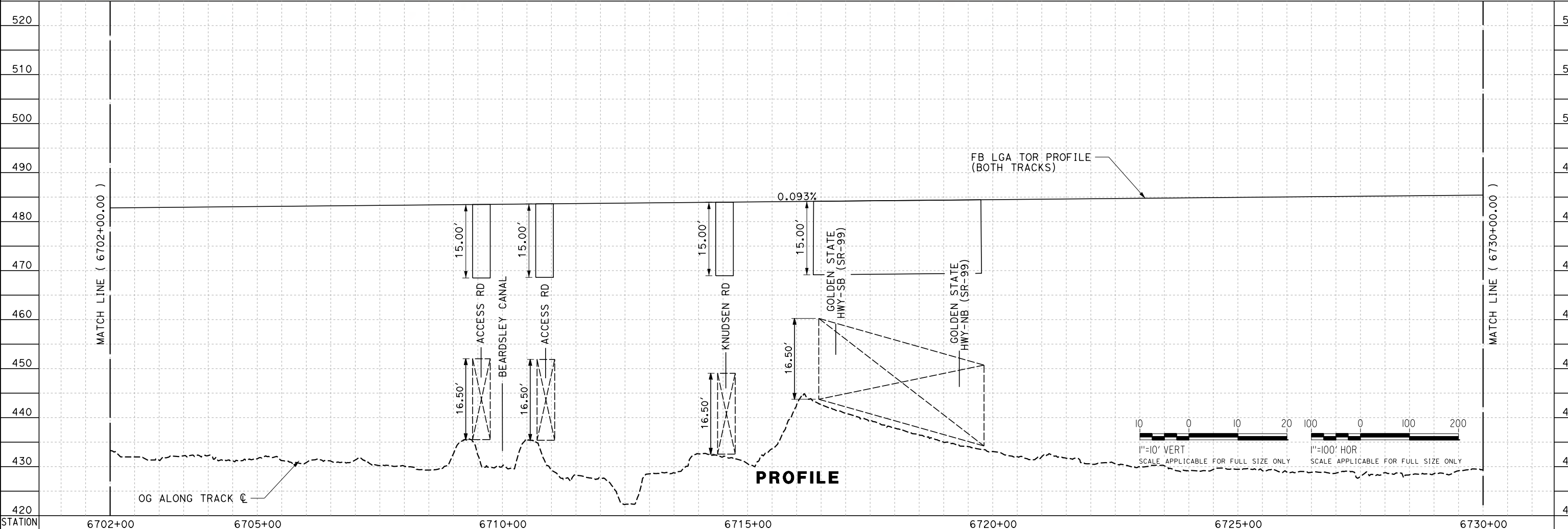
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6674+00 TO 6702+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1030
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 10/26/2016 5:40:59 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1031.dgn



NOTES:
 1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
N. OLINO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

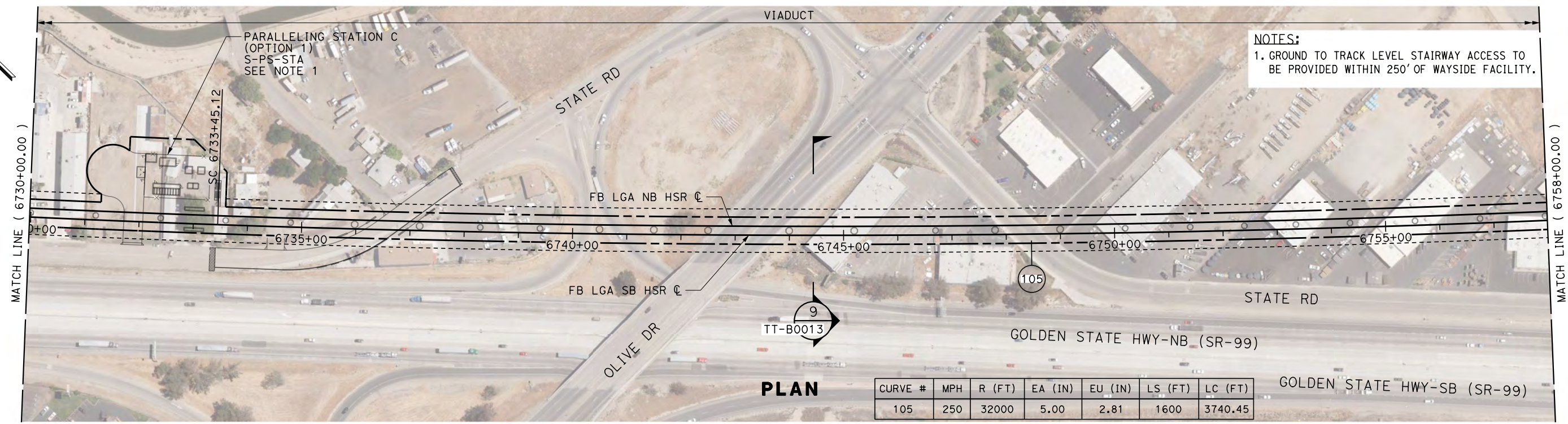
**RECORD SET
 PEPP DESIGN
 SUBMISSION**



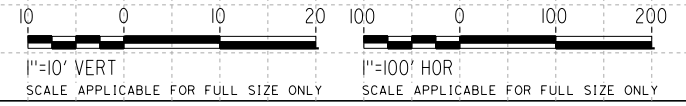
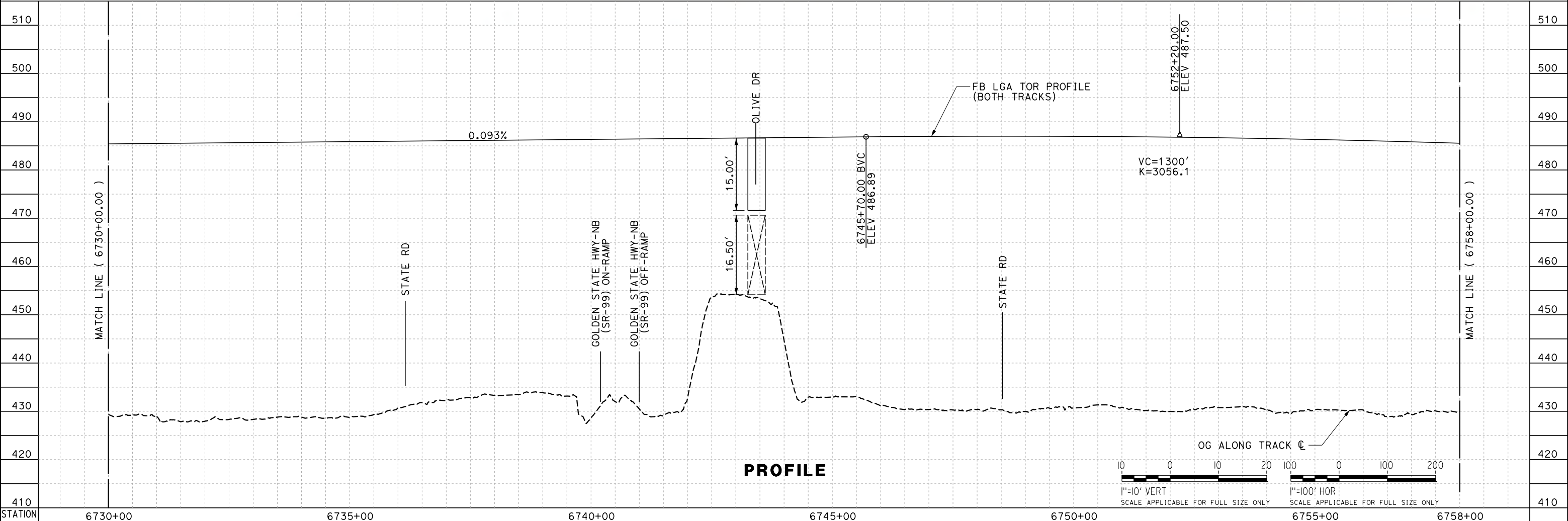
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 6702+00 TO 6730+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1031
 SCALE
AS SHOWN
 SHEET NO.

TYLIN\jtrejo 10/27/2016 3:20:26 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1032.dgn



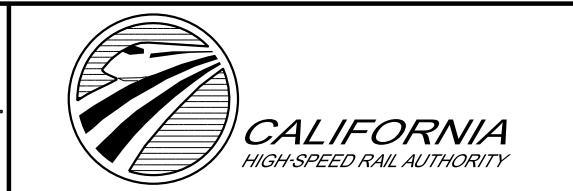
NOTES:
1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
N. OLINO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

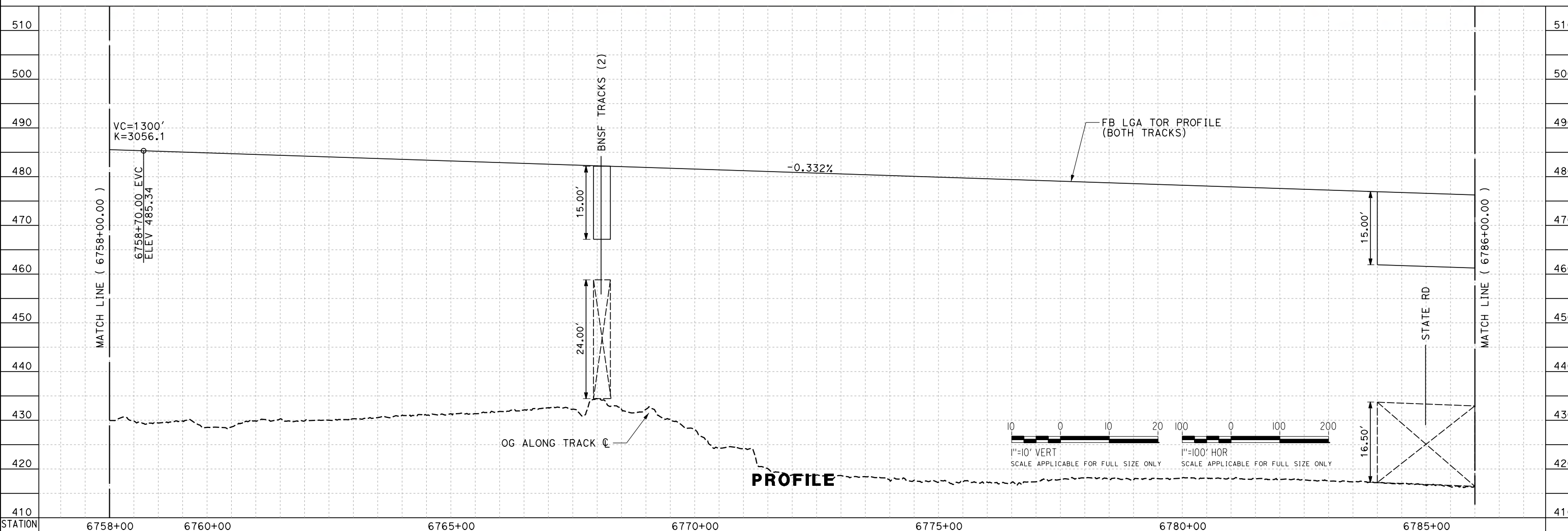
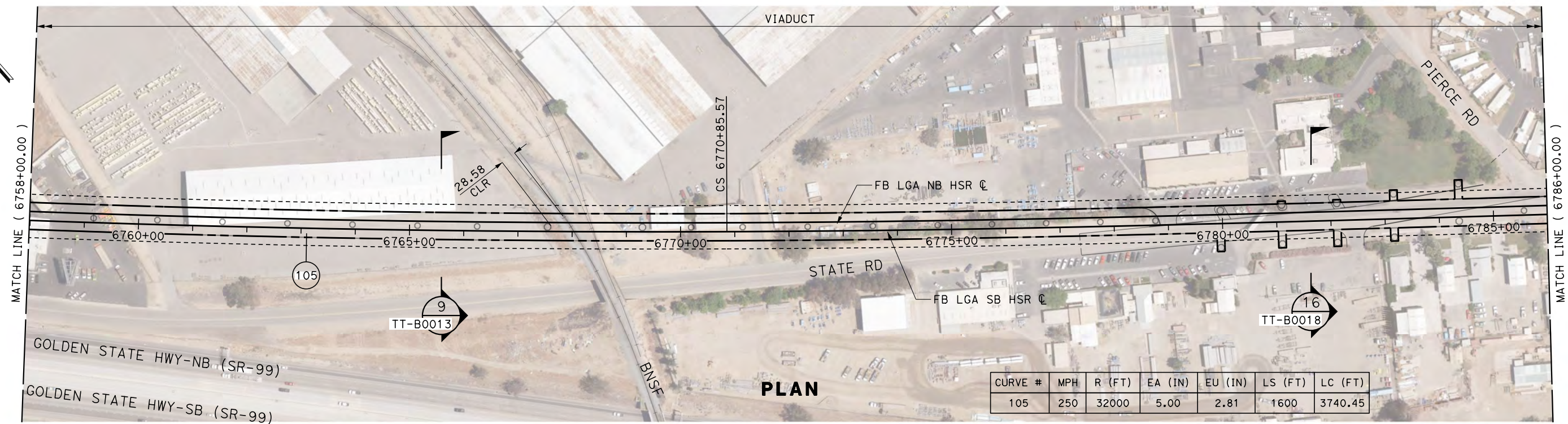
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6730+00 TO 6758+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1032
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 10/27/2016 3:20:28 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N.BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1033.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
N. OLINO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

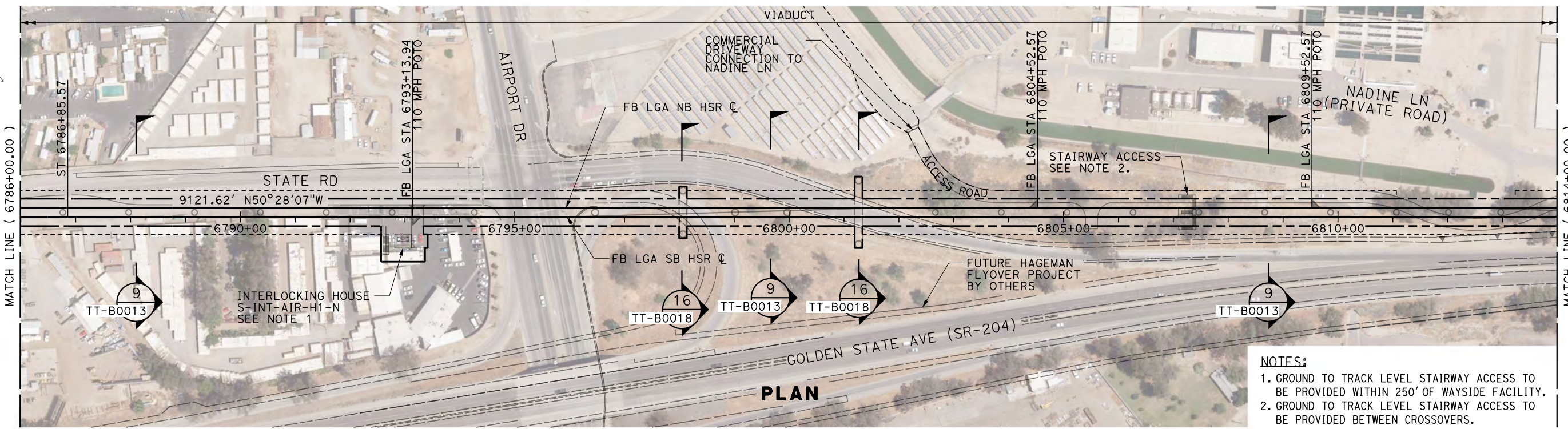
**RECORD SET
PEPD DESIGN
SUBMISSION**



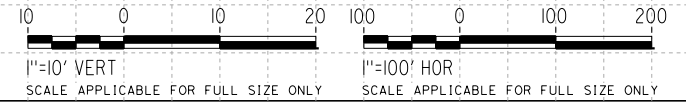
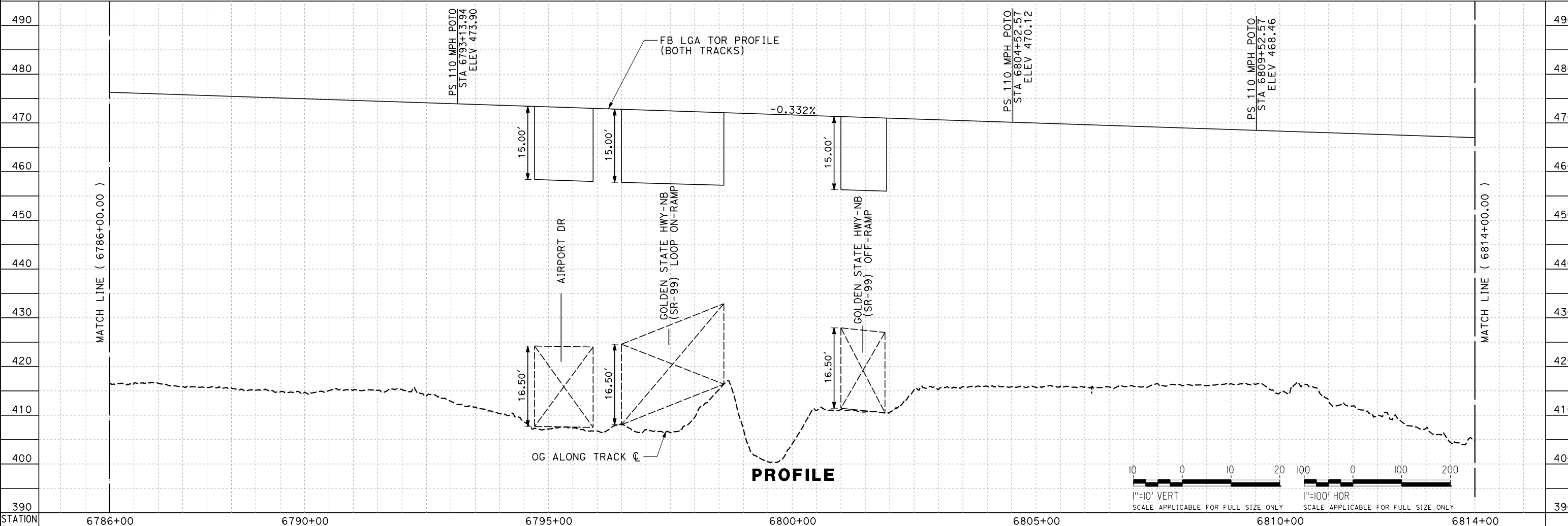
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6758+00 TO 6786+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1033
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 11/4/2016 8:25:36 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1034.dgn



- NOTES:**
1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.
 2. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED BETWEEN CROSSOVERS.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO

DRAWN BY
N. OLINO

CHECKED BY
E. WINTERS

IN CHARGE
P. PIENTON

DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**

LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6786+00 TO 6814+00
PLAN AND PROFILE

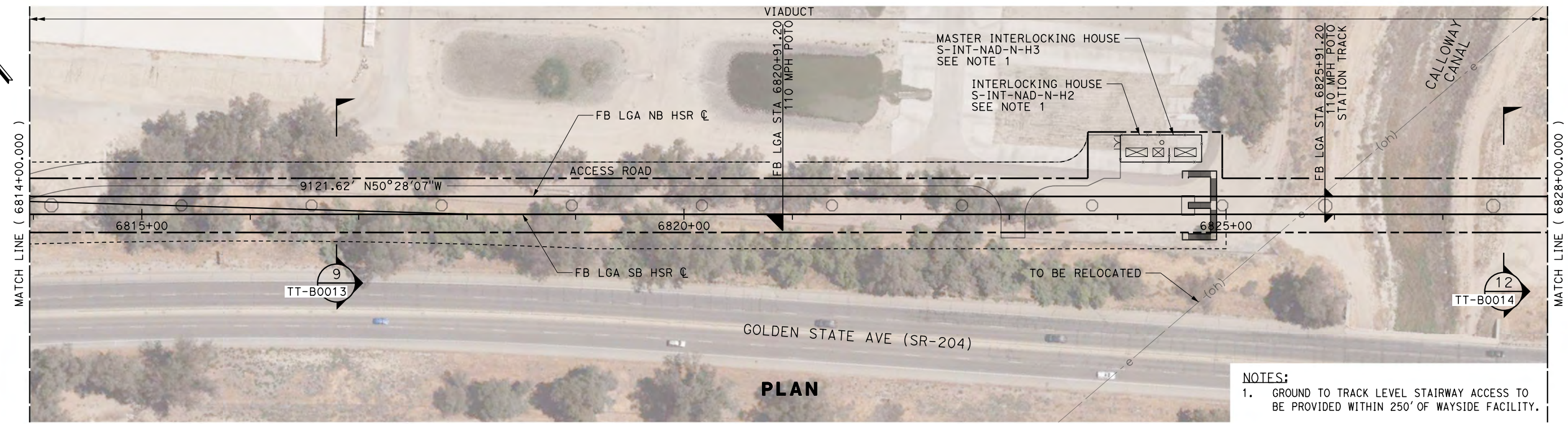
CONTRACT NO.
HSR13-44

DRAWING NO.
TT-D1034

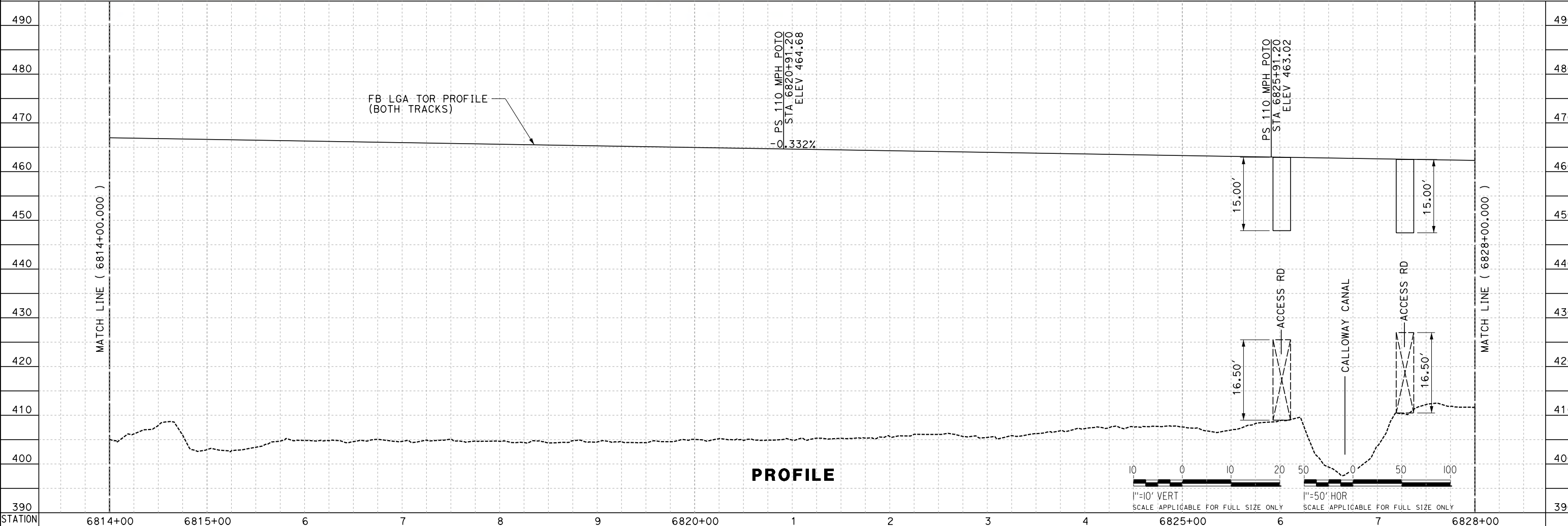
SCALE
AS SHOWN

SHEET NO.

TYLIN\jtrejo 10/26/2016 5:42:00 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1035.dgn



NOTES:
 1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
J. TREJO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

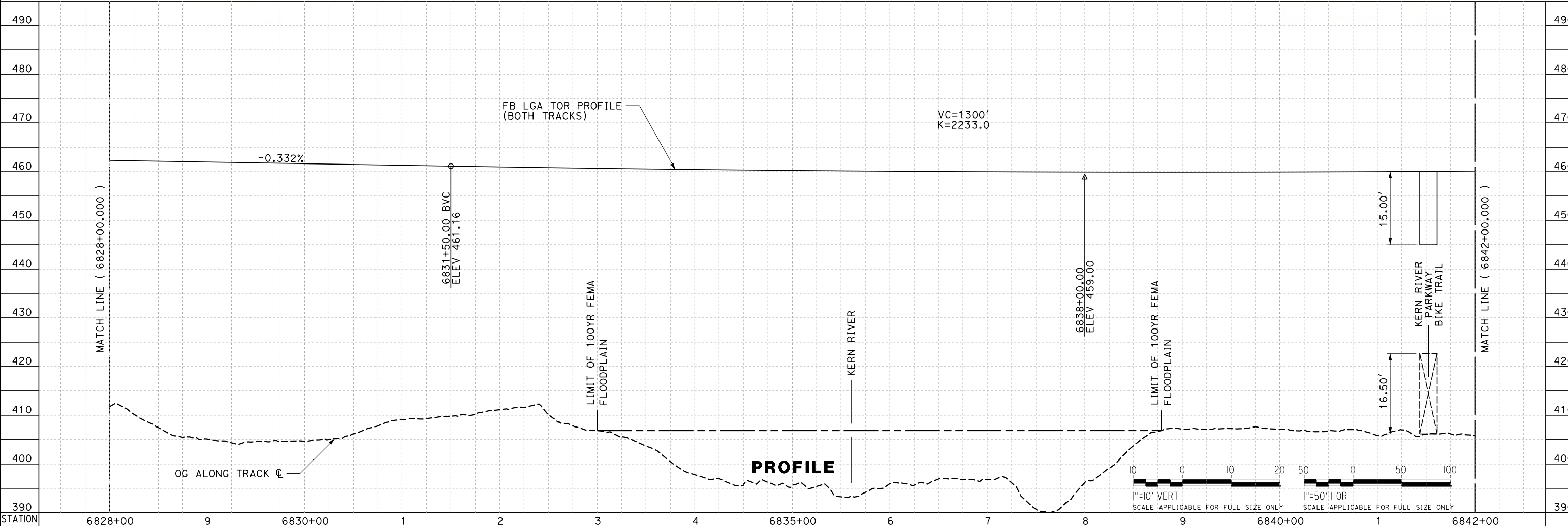
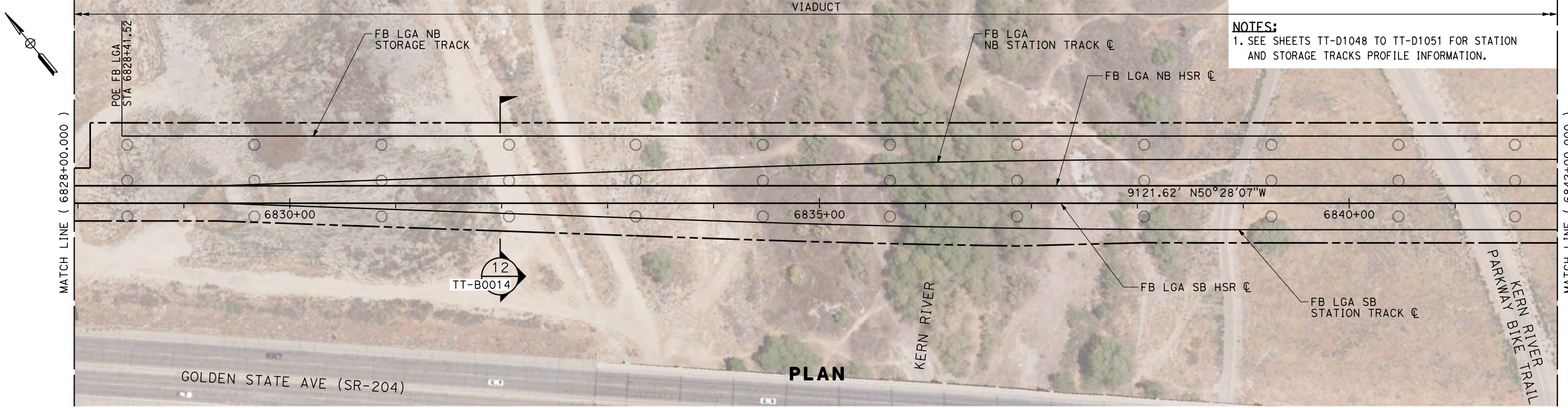
**RECORD SET
 PEPP DESIGN
 SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 6814+00 TO 6828+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1035
 SCALE
AS SHOWN
 SHEET NO.

TYL\jtrejo 10/26/2016 5:41:10 PM \$PENTBL\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1036.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
J. TREJO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

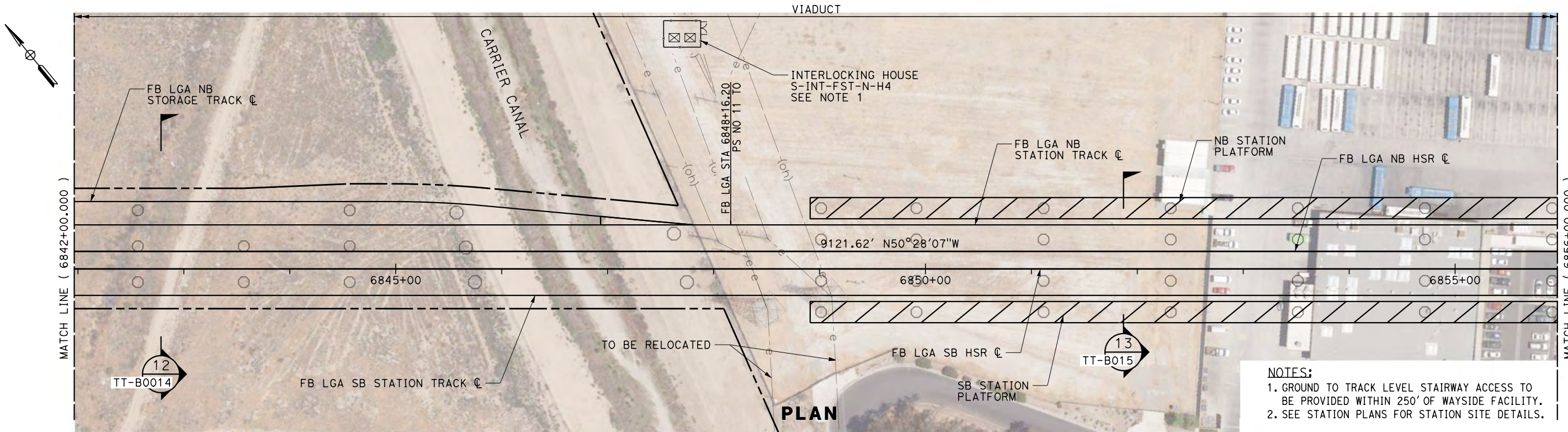
**RECORD SET
PEPD DESIGN
SUBMISSION**



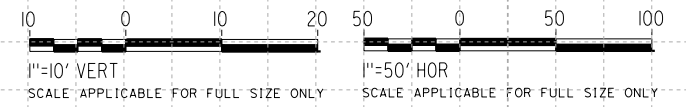
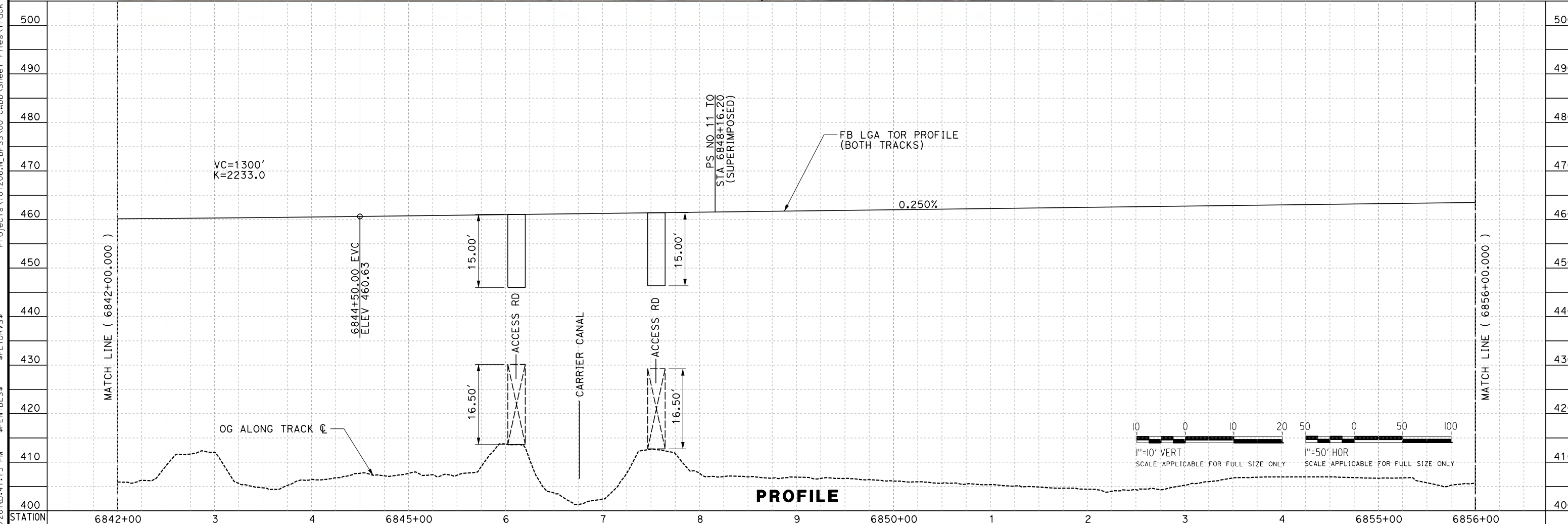
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6828+00 TO 6842+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1036
SCALE
AS SHOWN
SHEET NO.

TYL\j\jtrejo 10/26/2016 4:11:15 PM \$PENTBL\$ \$PLTDRV\$ Projects\701206.N.BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1037.dgn



NOTES:
 1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.
 2. SEE STATION PLANS FOR STATION SITE DETAILS.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
J. TREJO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

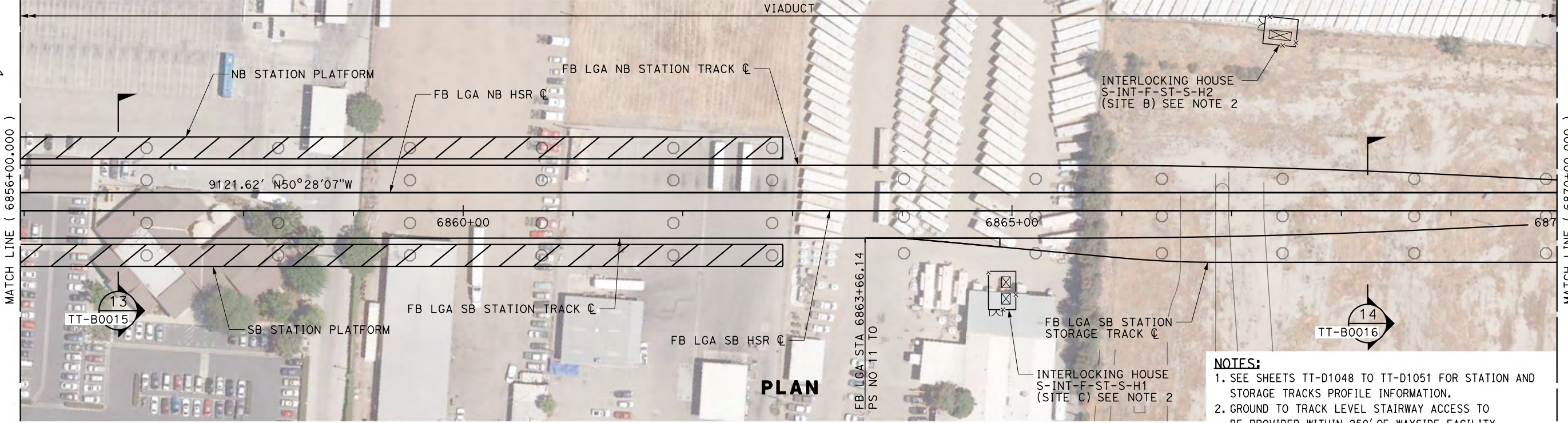
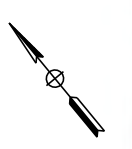
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 PEPP DESIGN
 SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 6842+00 TO 6856+00
 PLAN AND PROFILE

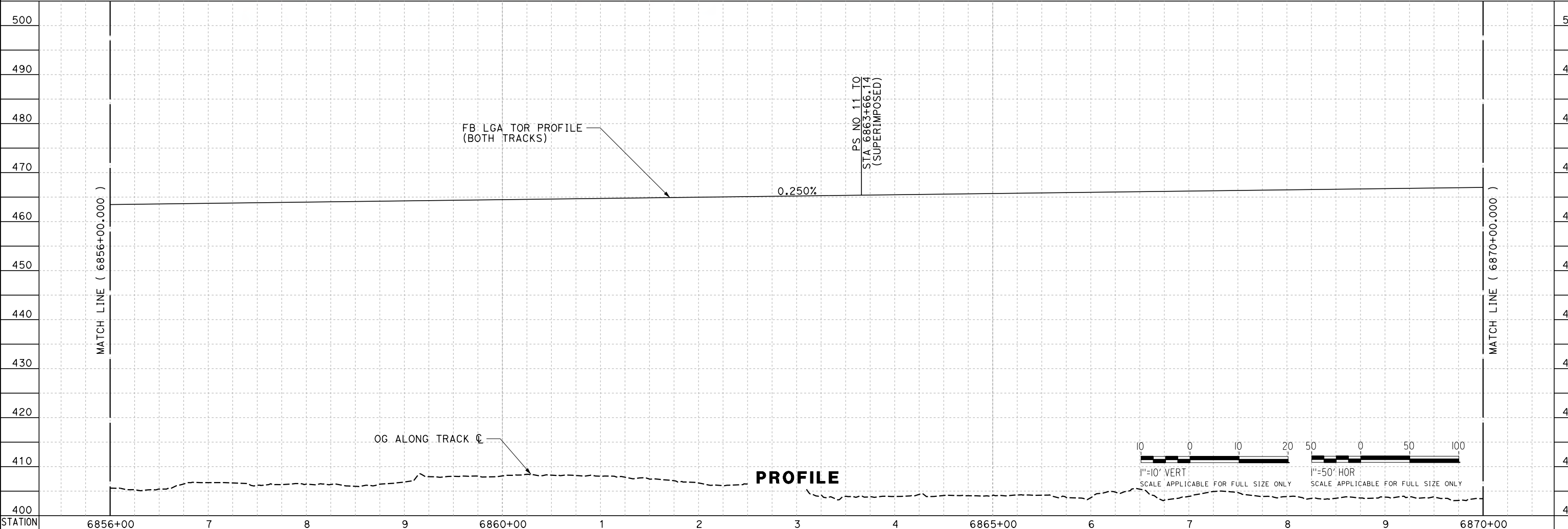
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TT-D1037
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PLAN

- NOTES:**
1. SEE SHEETS TT-D1048 TO TT-D1051 FOR STATION AND STORAGE TRACKS PROFILE INFORMATION.
 2. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
J. TREJO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

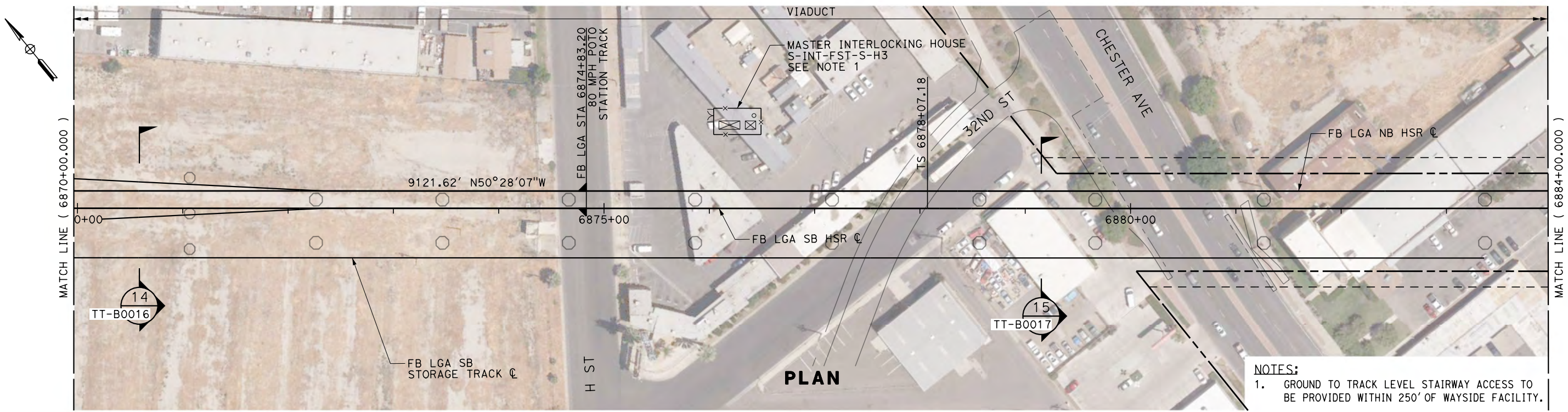
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PEPD DESIGN
SUBMISSION**



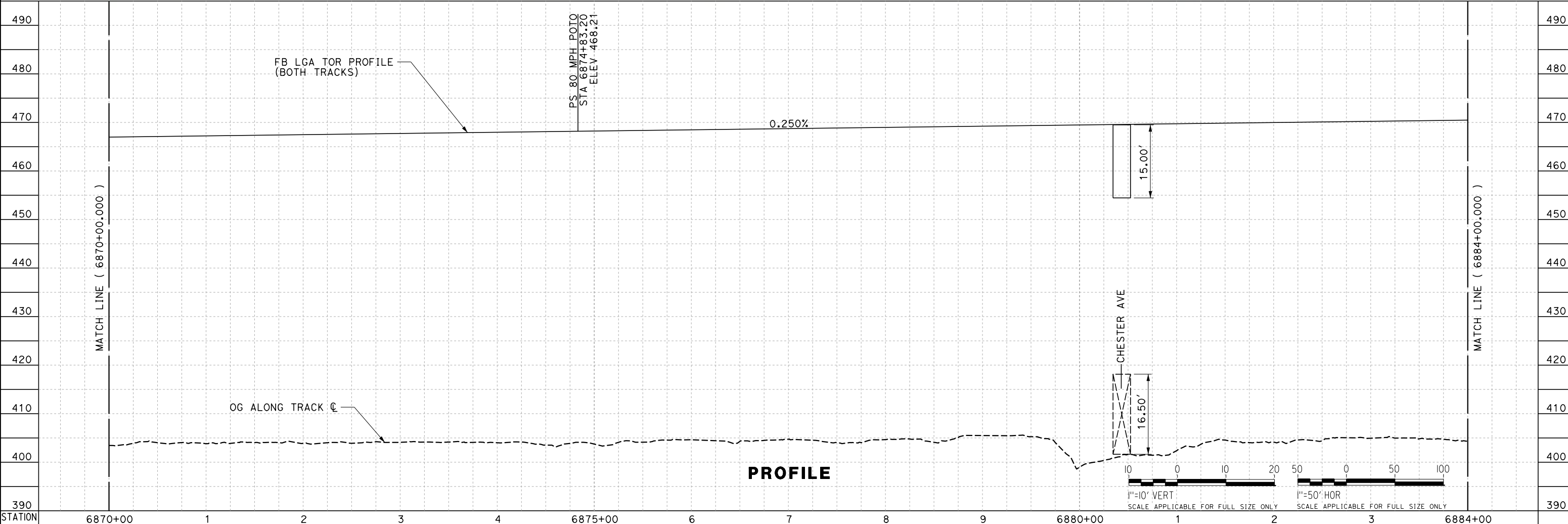
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6856+00 TO 6870+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1038
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 10/26/2016 5:42:31 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N.BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1039.dgn



NOTES:
 1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
J. TREJO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

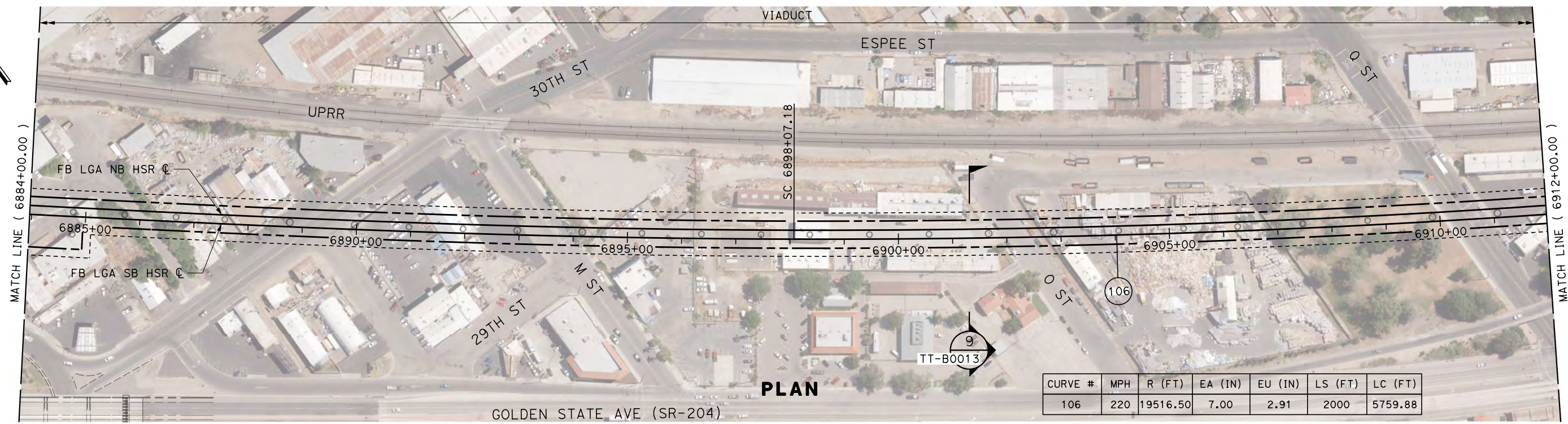
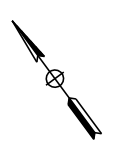
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 SUBMISSION**



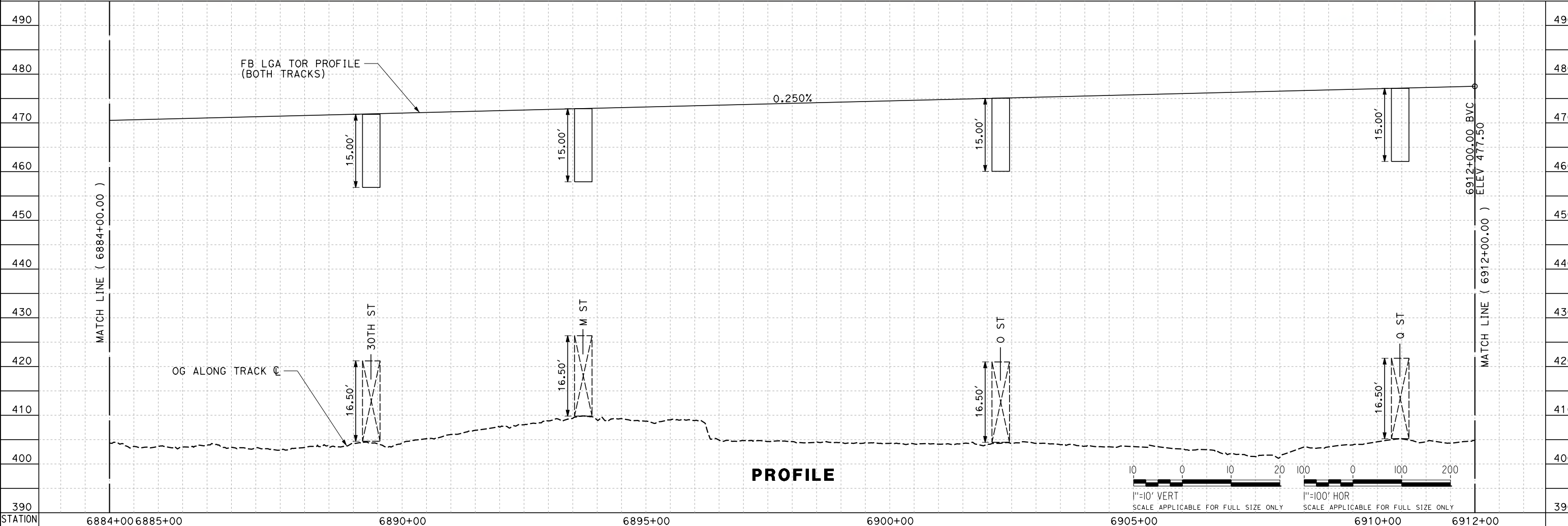
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK GUIDEWAY
 STA 6870+00 TO 6884+00
 PLAN AND PROFILE

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1039
 SCALE
AS SHOWN
 SHEET NO.

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PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY J. TREJO
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IN CHARGE P. PIENTON
DATE 10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**

TYLIN INTERNATIONAL

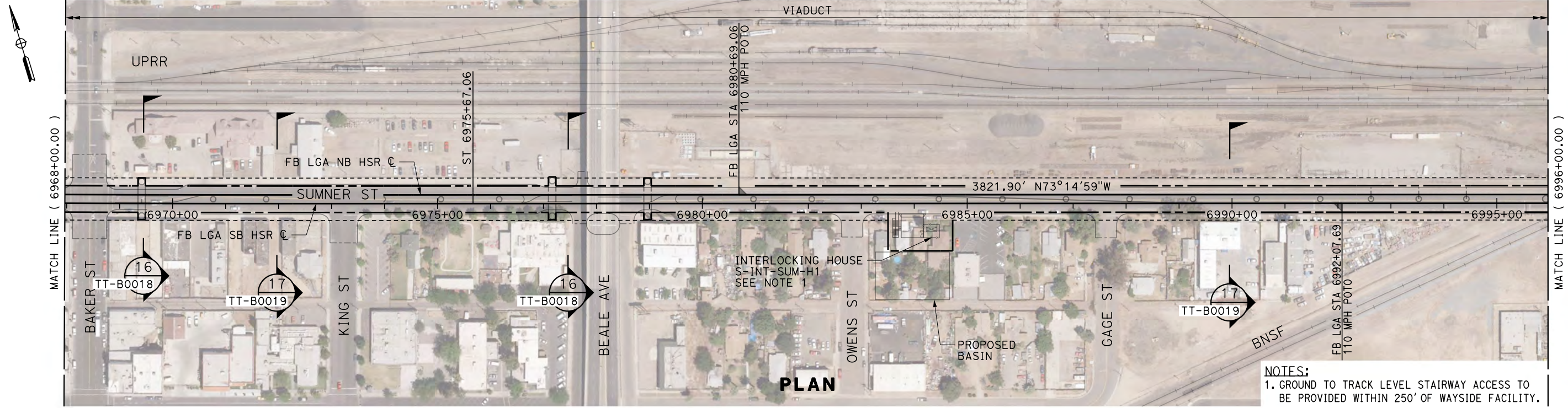


**CALIFORNIA
HIGH-SPEED RAIL AUTHORITY**

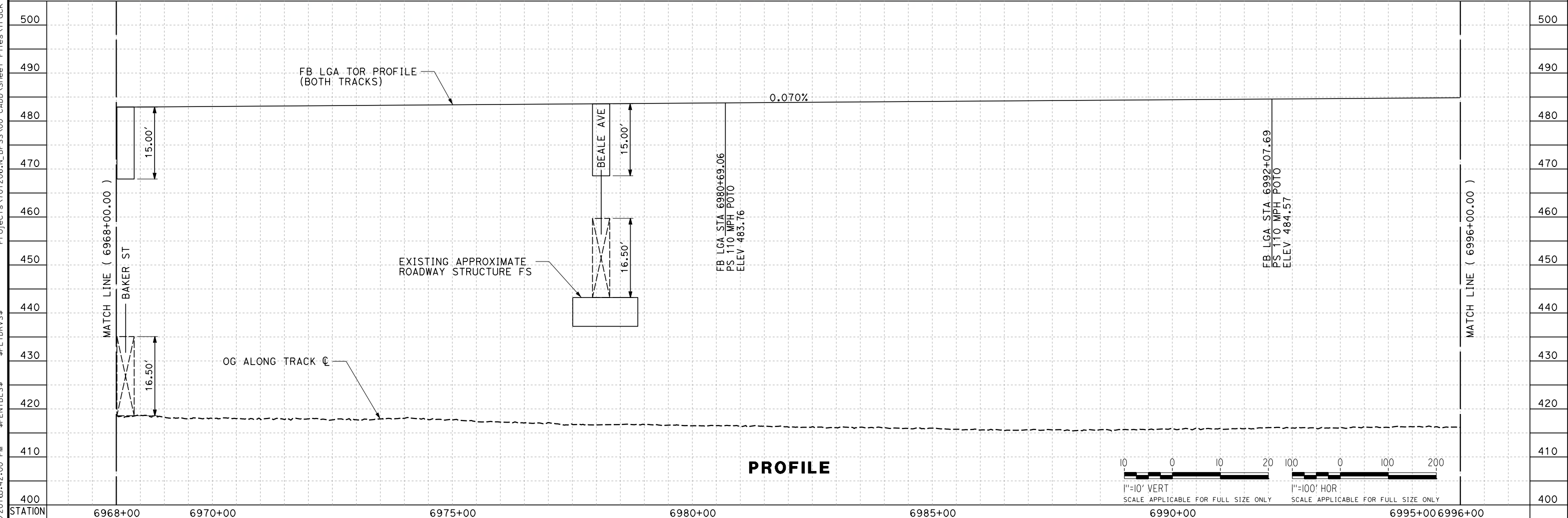
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6884+00 TO 6912+00
PLAN AND PROFILE

CONTRACT NO. HSR13-44
DRAWING NO. TT-D1040
SCALE AS SHOWN
SHEET NO.

TYLIN\jtrejo 10/26/2016 5:42:00 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1043.dgn



NOTES:
1. GROUND TO TRACK LEVEL STAIRWAY ACCESS TO BE PROVIDED WITHIN 250' OF WAYSIDE FACILITY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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J. TREJO
CHECKED BY
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IN CHARGE
P. PIENTON
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**

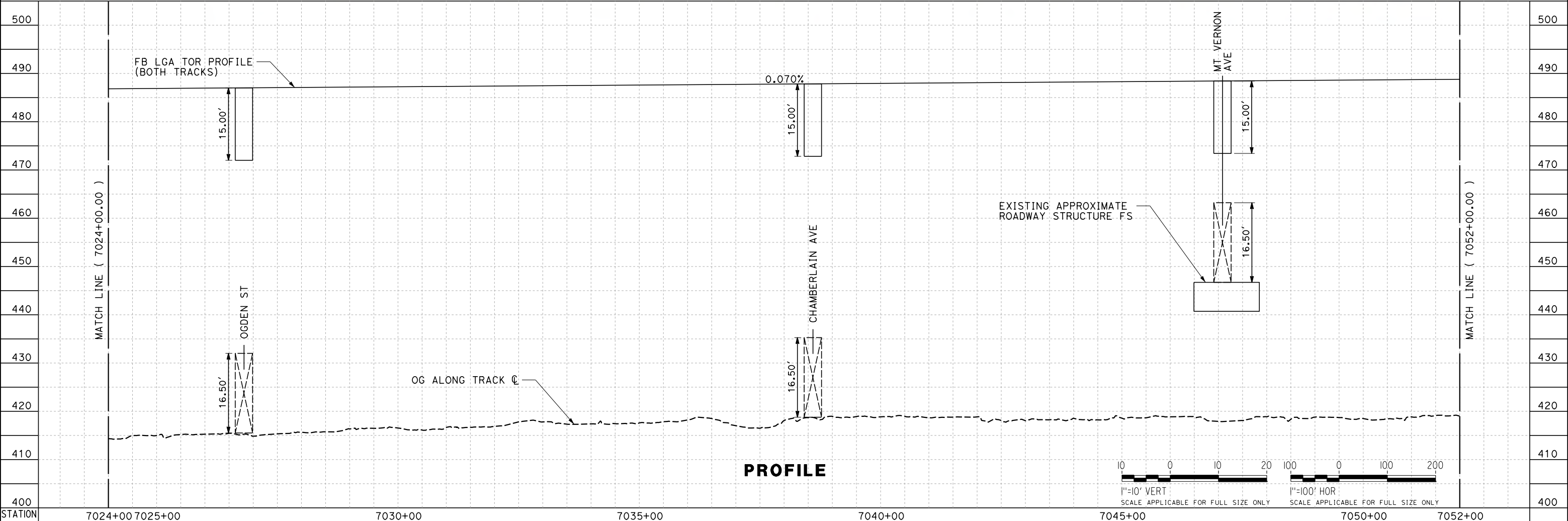
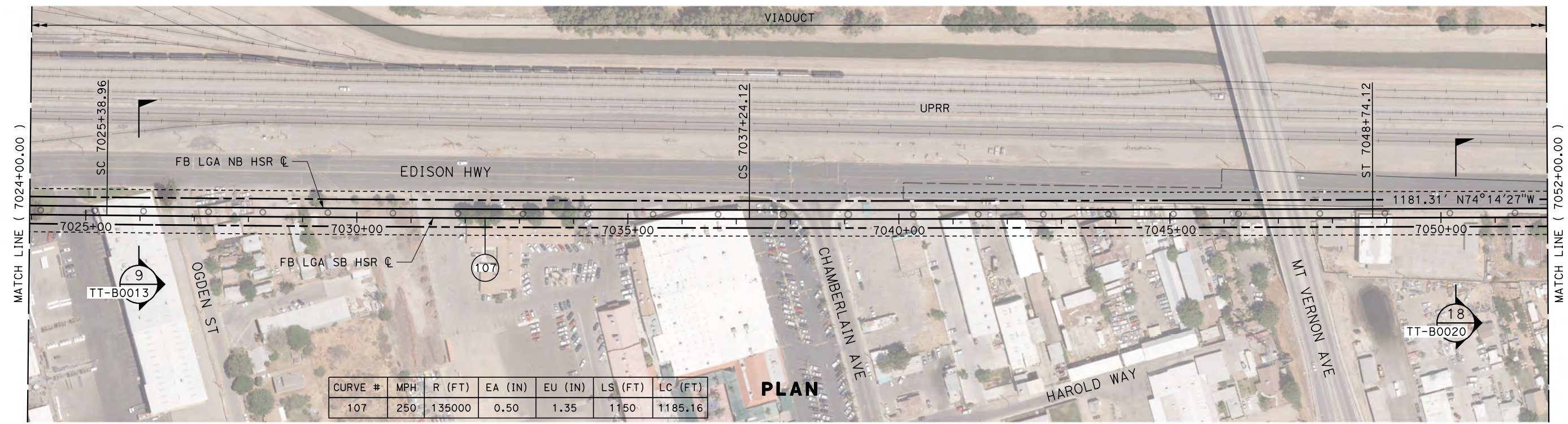
TYLIN INTERNATIONAL



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 6968+00 TO 6996+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1043
SCALE
AS SHOWN
SHEET NO.

TYL\jtrejo 10/26/2016 5:42:13 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1045.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
J. TREJO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

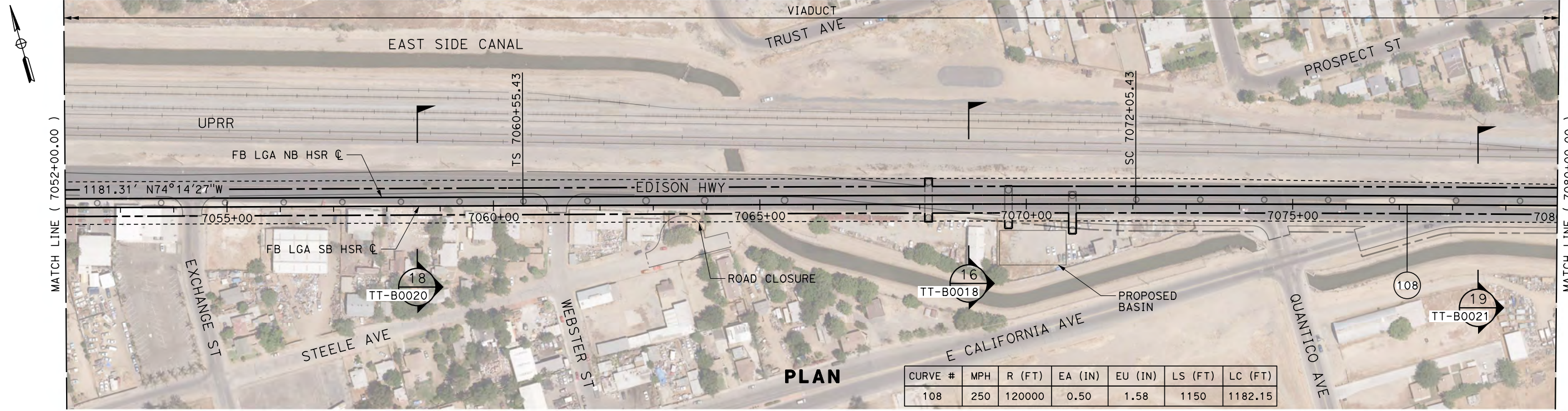
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PEPD DESIGN
SUBMISSION**



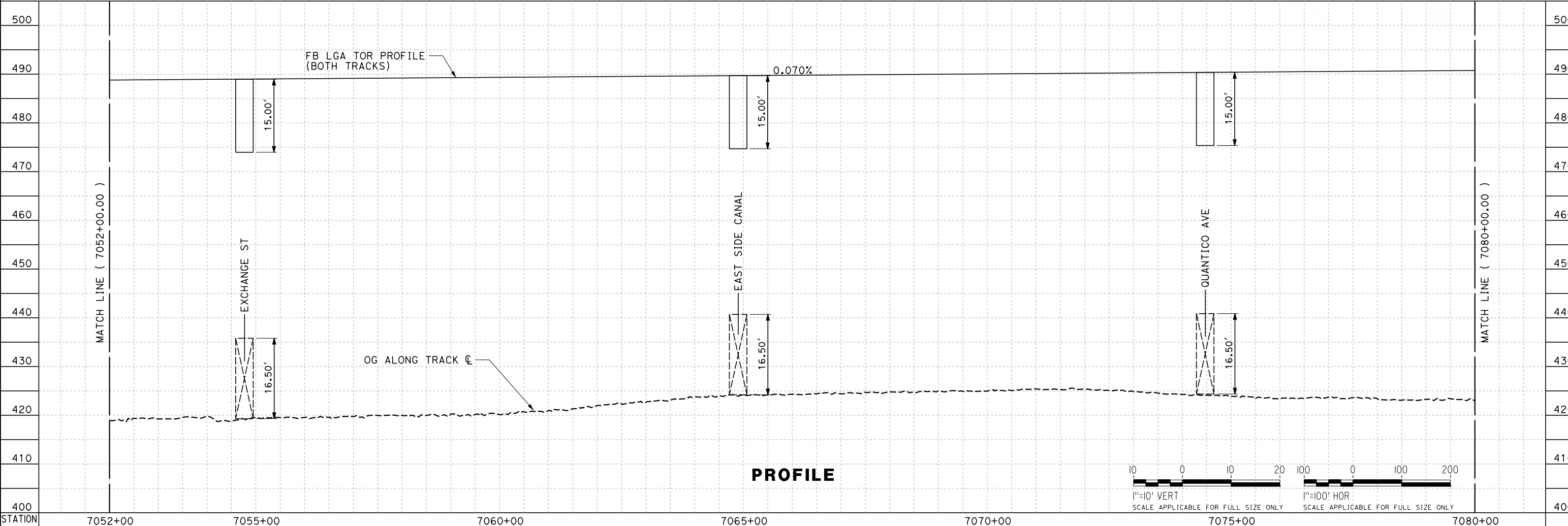
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FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 7024+00 TO 7052+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1045
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 10/27/2016 3:14:58 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1046.dgn



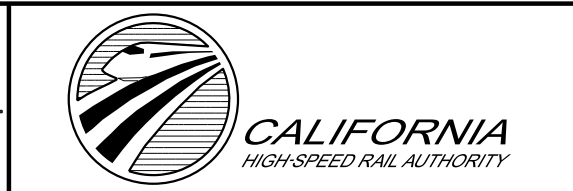
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
J. TREJO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

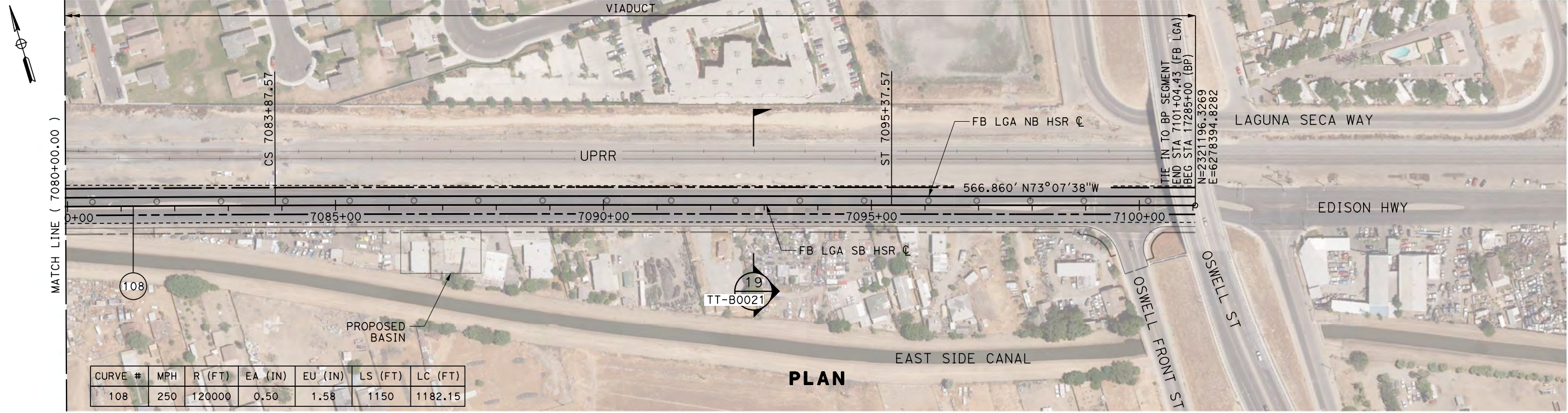
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 7052+00 TO 7080+00
PLAN AND PROFILE

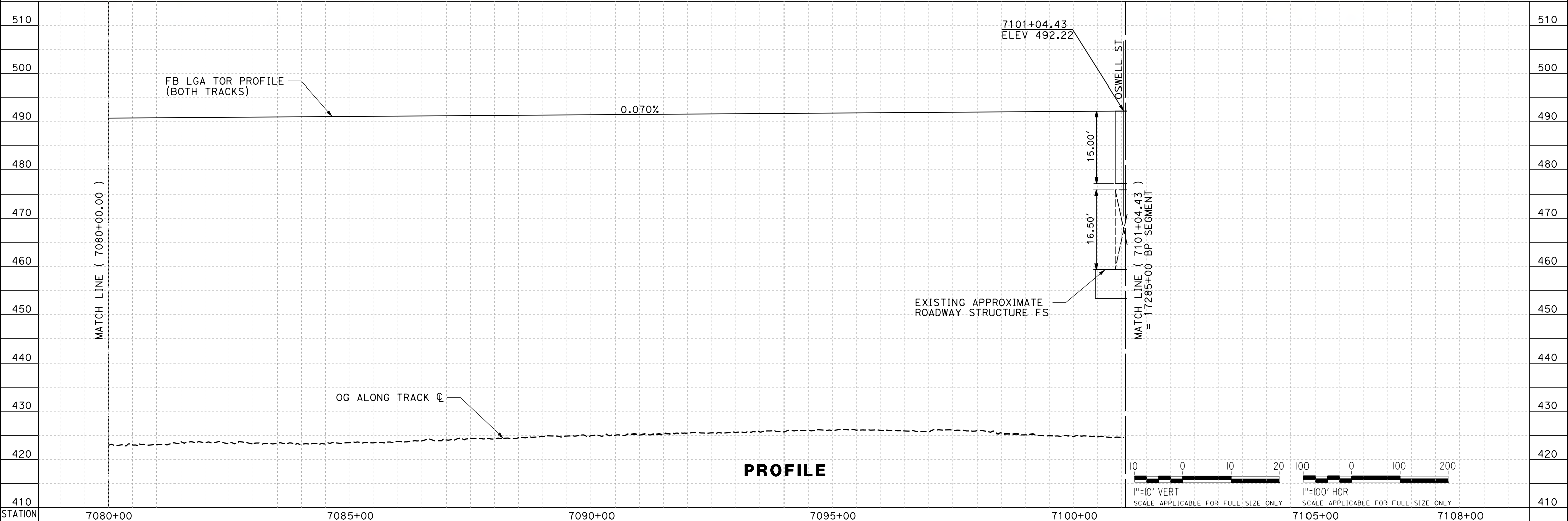
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HSR13-44
DRAWING NO.
TT-D1046
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 10/26/2016 5:42:10 PM \$PENTBL\$ \$PLTDRV\$ Projects\701206.N_BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1047.dgn



CURVE #	MPH	R (FT)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
108	250	120000	0.50	1.58	1150	1182.15

PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
J. TREJO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

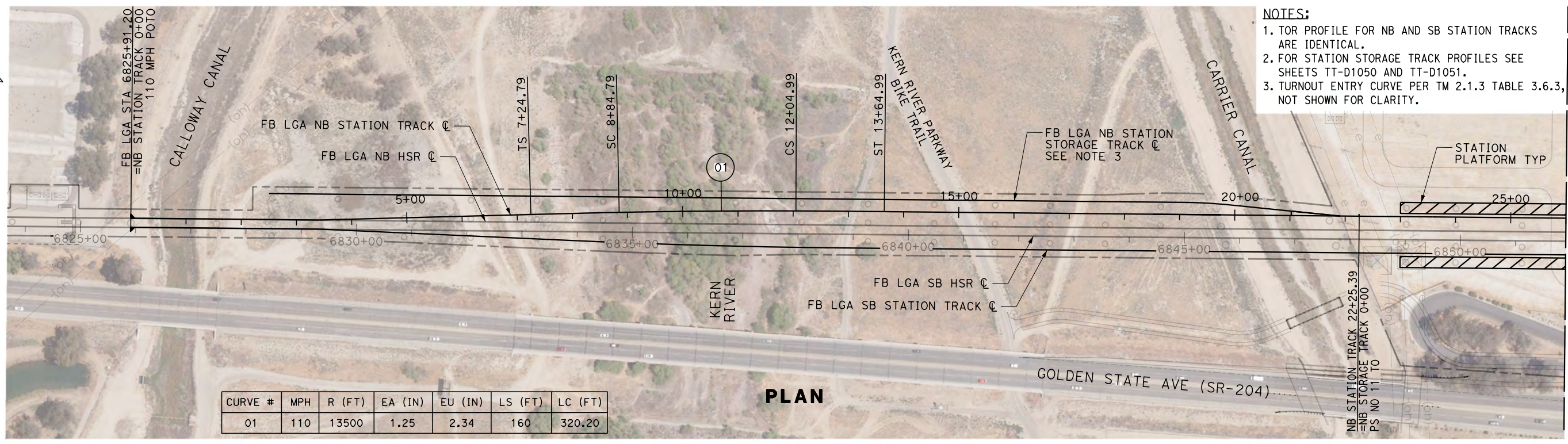
**RECORD SET
PEPD DESIGN
SUBMISSION**



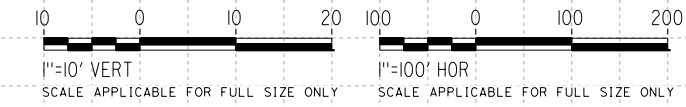
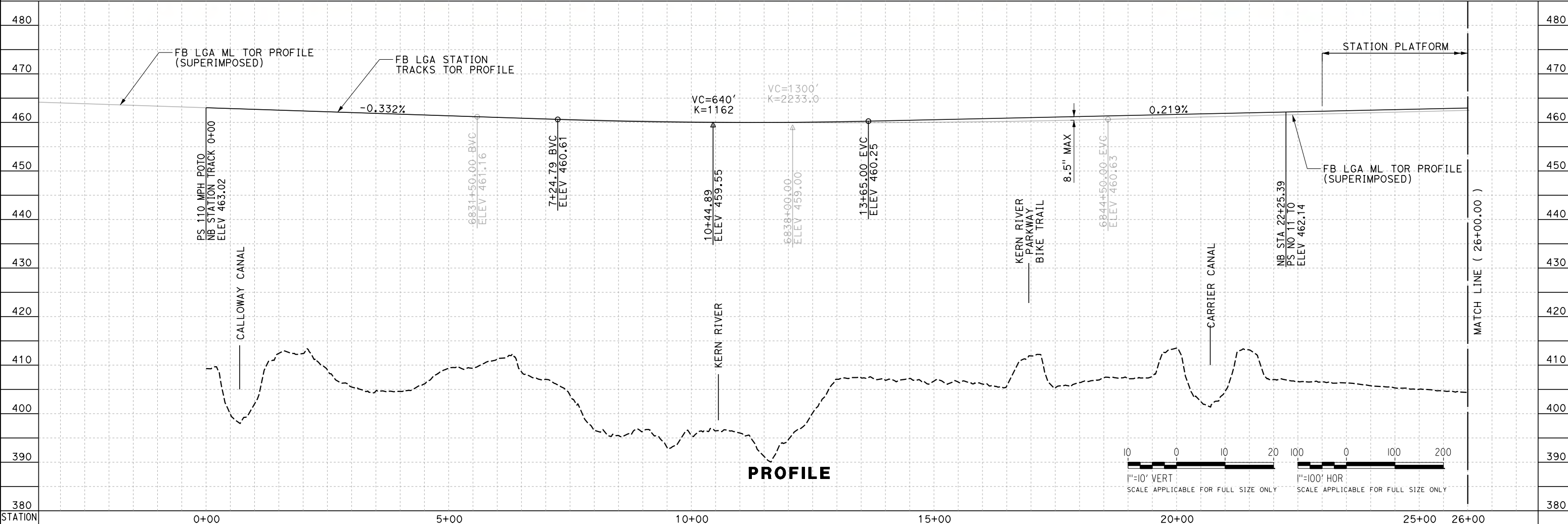
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY
STA 7080+00 TO 7101+04
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1047
SCALE
AS SHOWN
SHEET NO.

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- NOTES:**
1. TOR PROFILE FOR NB AND SB STATION TRACKS ARE IDENTICAL.
 2. FOR STATION STORAGE TRACK PROFILES SEE SHEETS TT-D1050 AND TT-D1051.
 3. TURNOUT ENTRY CURVE PER TM 2.1.3 TABLE 3.6.3, NOT SHOWN FOR CLARITY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
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J. TREJO
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IN CHARGE
P. PIENTON
DATE
10/28/2016

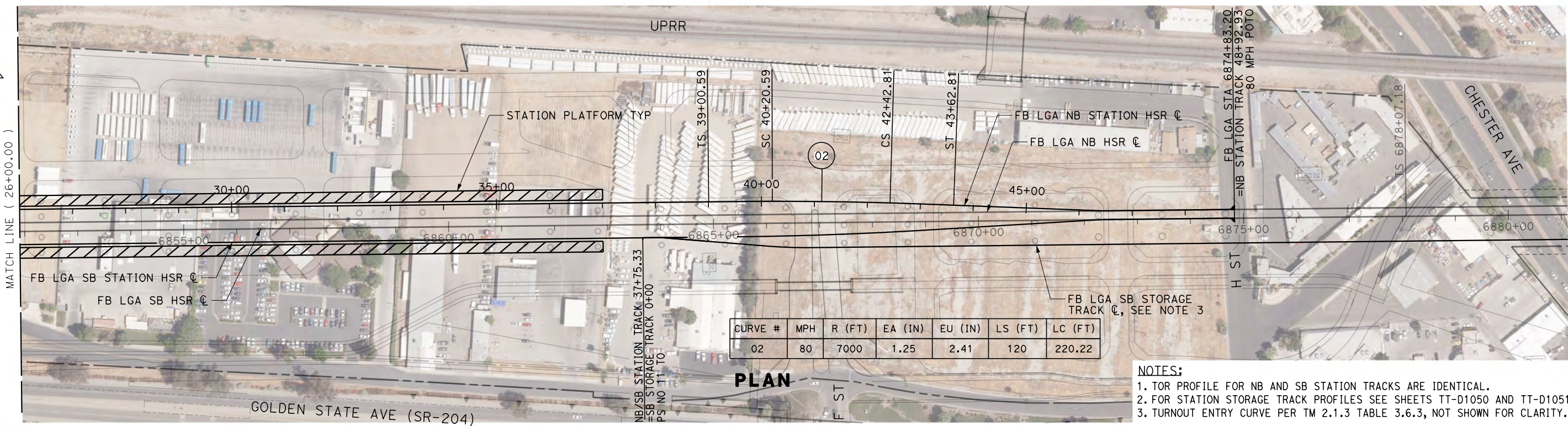
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PEPD DESIGN
SUBMISSION**



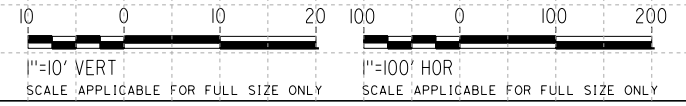
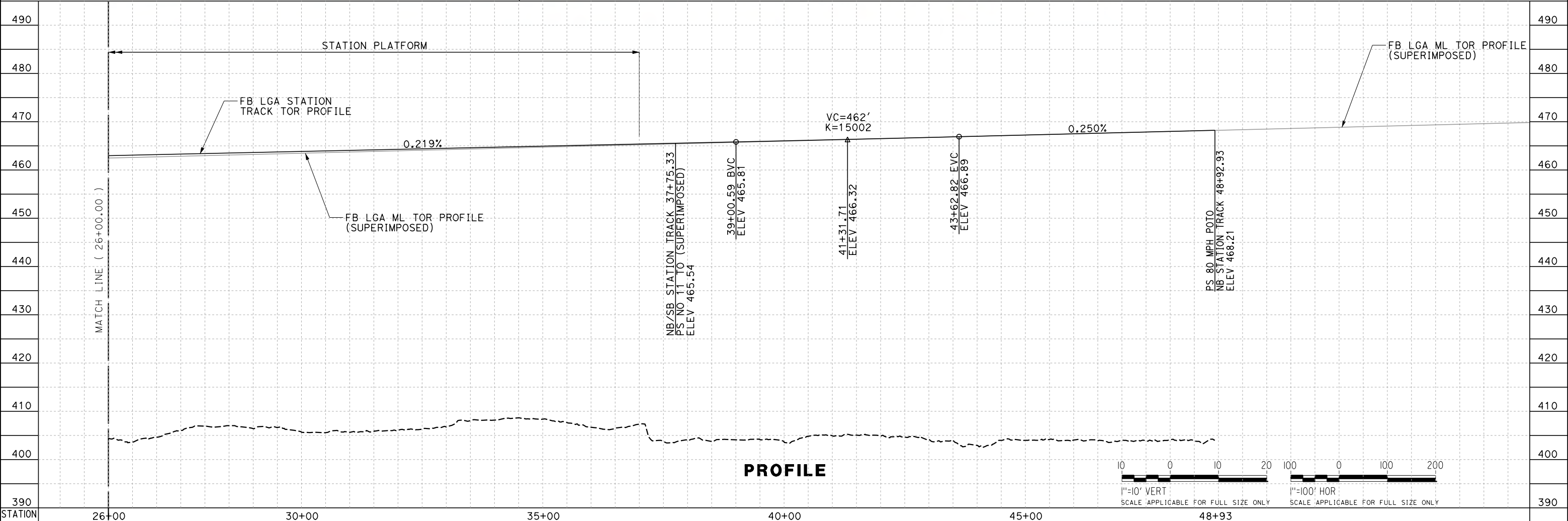
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY - STATION TRACKS
STA 0+00 TO 26+00
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1048
SCALE
AS SHOWN
SHEET NO.

TYL\jtrejo 10/26/2016 1:42:25 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N.BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1049.dgn



- NOTES:**
1. TOR PROFILE FOR NB AND SB STATION TRACKS ARE IDENTICAL.
 2. FOR STATION STORAGE TRACK PROFILES SEE SHEETS TT-D1050 AND TT-D1051.
 3. TURNOUT ENTRY CURVE PER TM 2.1.3 TABLE 3.6.3, NOT SHOWN FOR CLARITY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
J. TREJO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

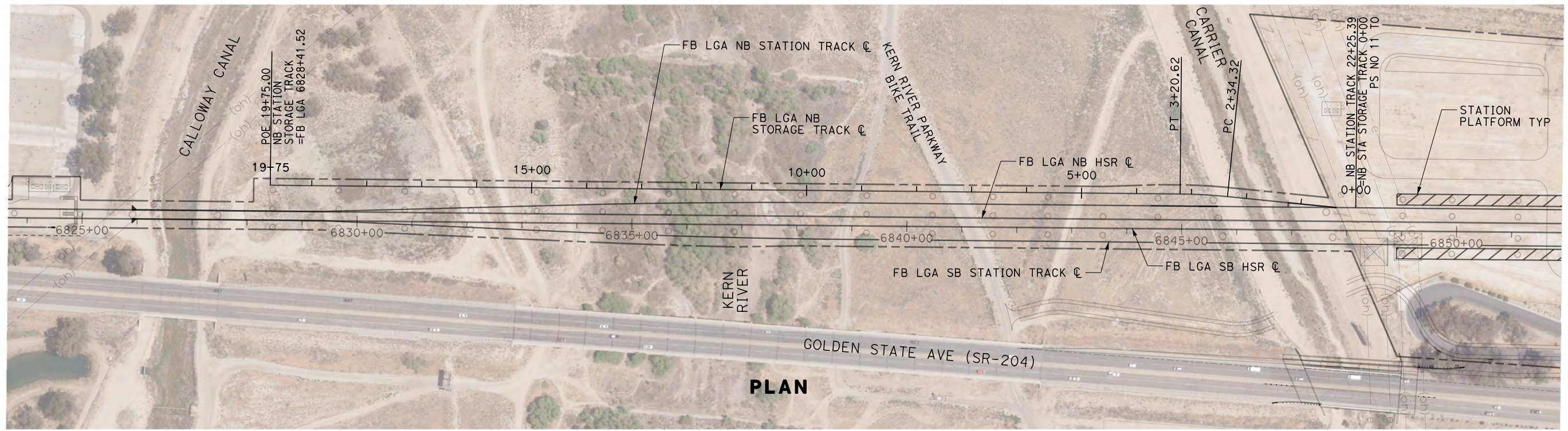
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SUBMISSION**



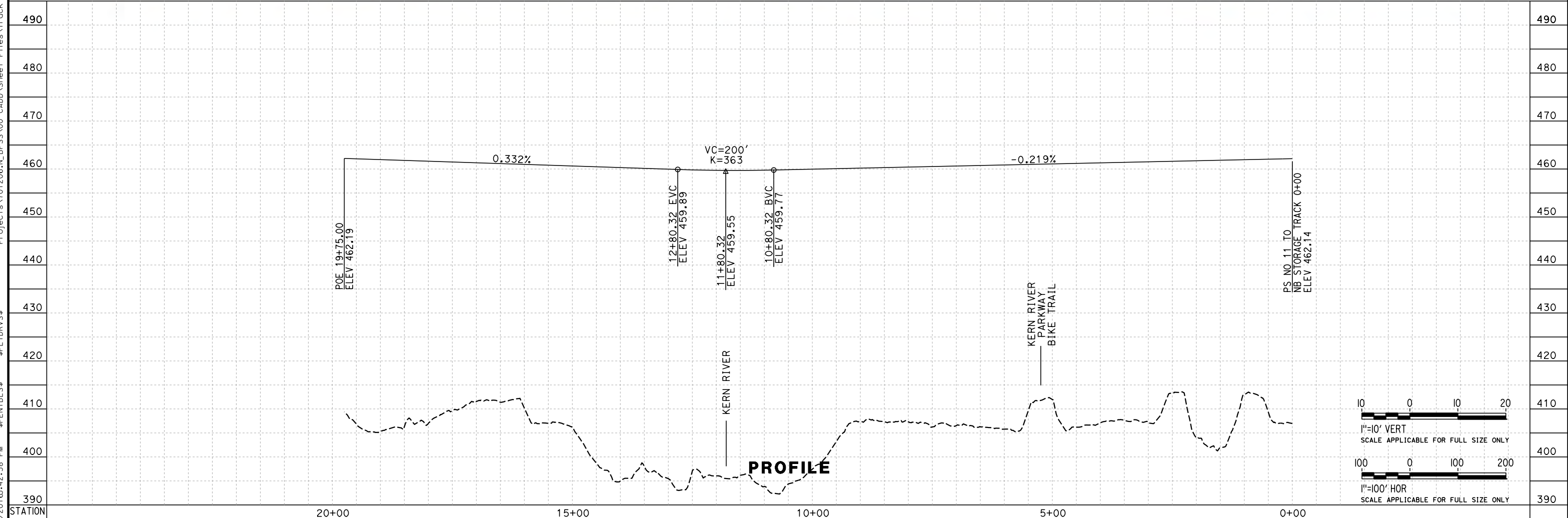
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY - STATION TRACKS
STA 26+00 TO 48+92
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1049
SCALE
AS SHOWN
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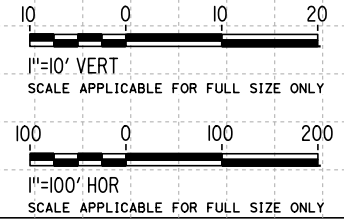
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PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
J. TREJO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

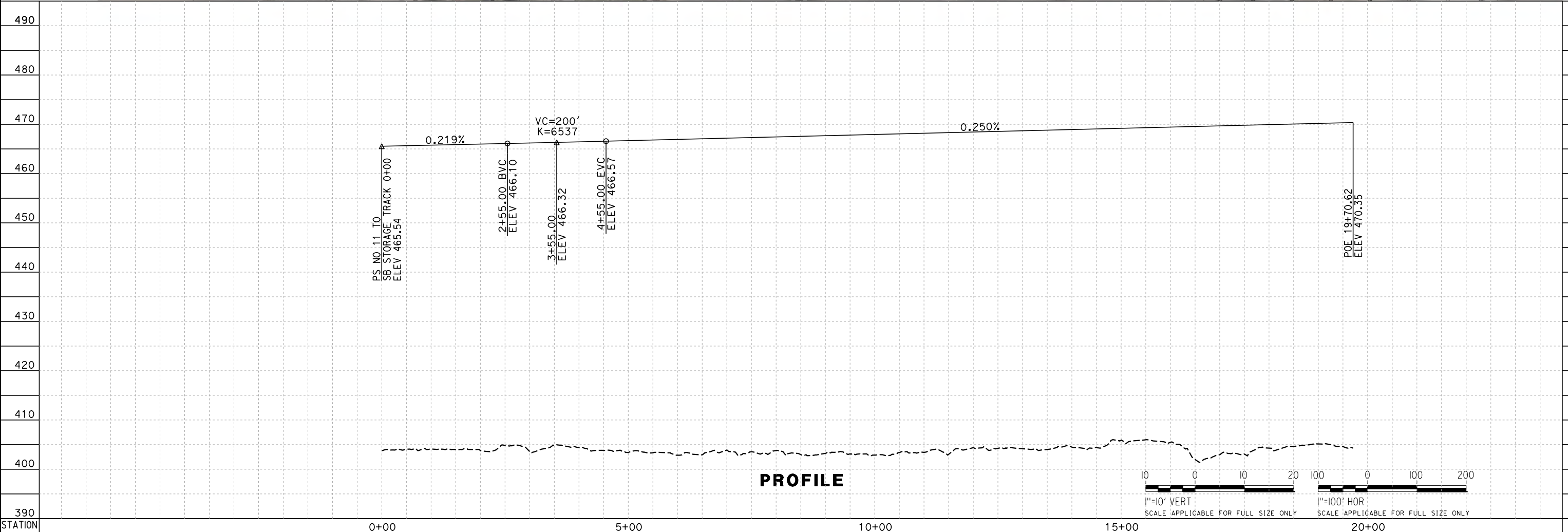
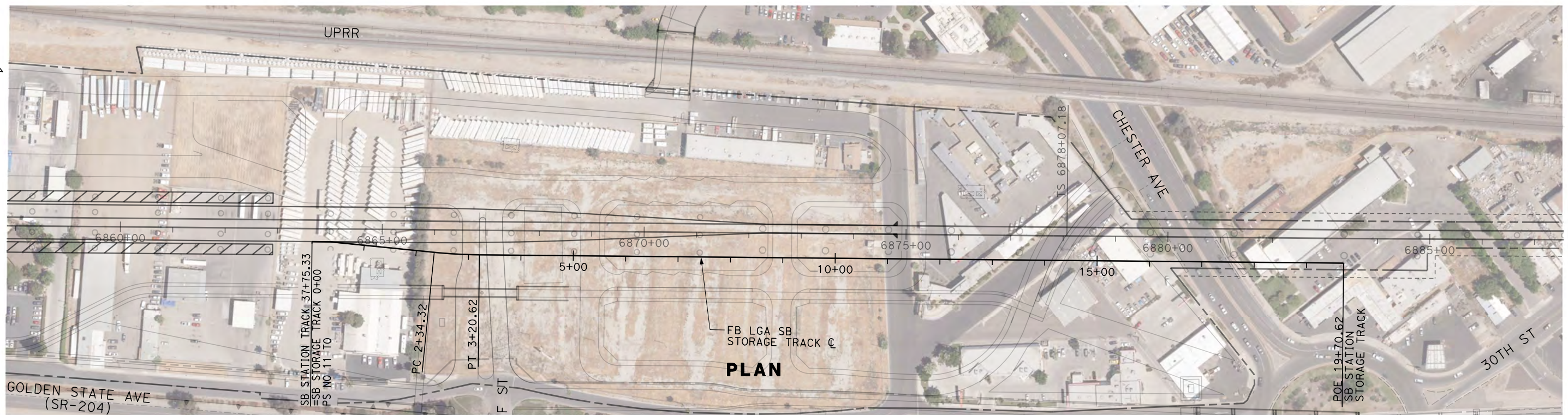
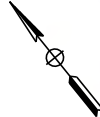
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY - STATION NB STORAGE TRACK
STA 0+00 TO 19+76
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1050
SCALE
AS SHOWN
SHEET NO.

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DESIGNED BY
J. TREJO
DRAWN BY
J. TREJO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

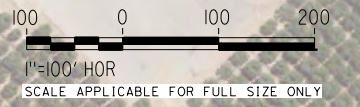
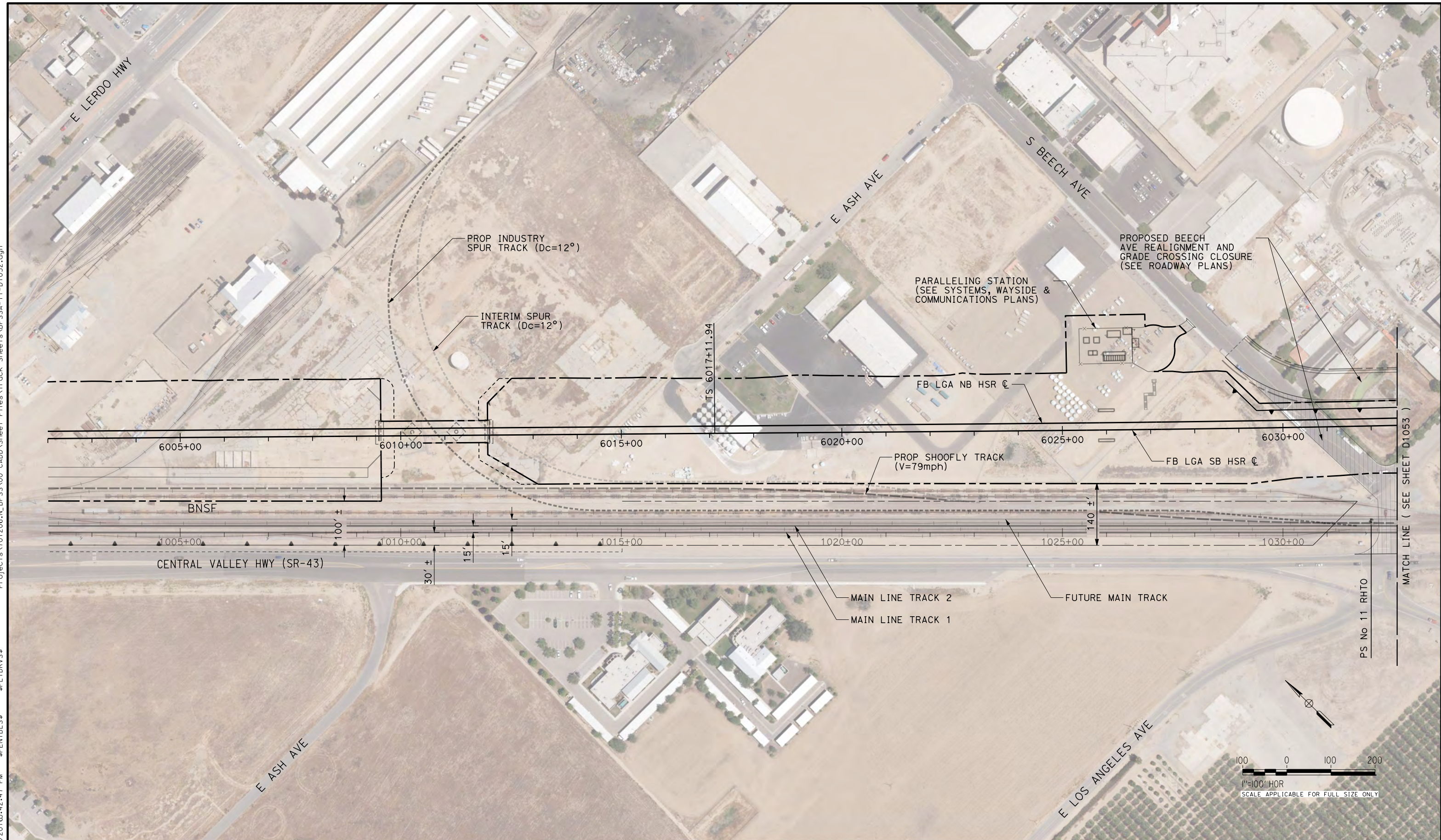
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK GUIDEWAY - STATION SB STORAGE TRACK
STA 0+00 TO 19+71
PLAN AND PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1051
SCALE
AS SHOWN
SHEET NO.

Projects\701206_N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1052.dgn
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 TYLIN\jtrejo



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
 DRAWN BY
N. OLINO
 CHECKED BY
E. WINTERS
 IN CHARGE
P. PIENTON
 DATE
10/28/2016

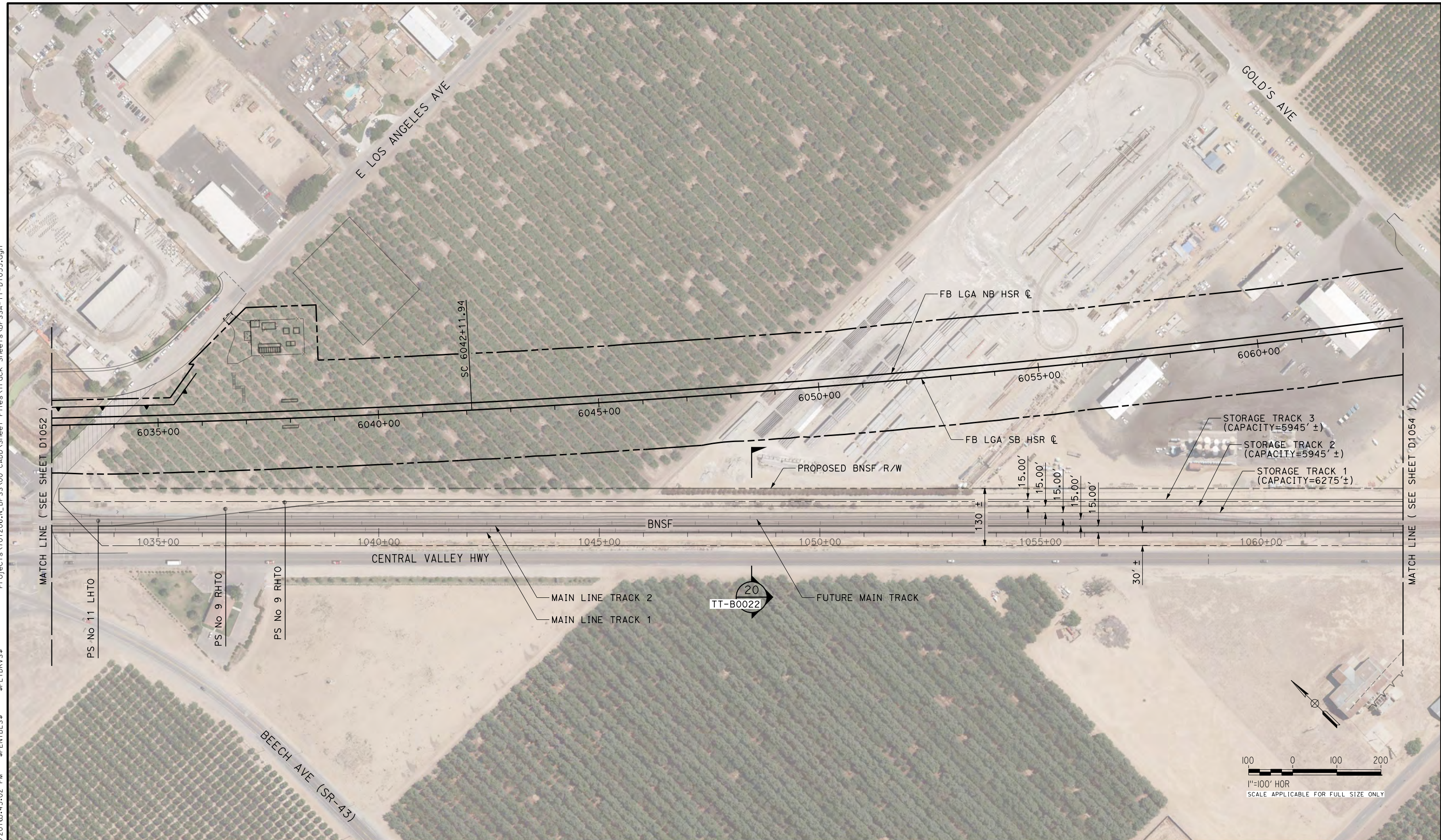
**RECORD SET
 PEPP DESIGN
 SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 BNSF TRACK GUIDEWAY PLAN

CONTRACT NO.
HSR13-44
 DRAWING NO.
TT-D1052
 SCALE
AS SHOWN
 SHEET NO.

TYLIN\jtrejo 10/26/2016 4:31:02 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet Files\Track Sheets\BFSSA-TT-D1053.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
N. OLINO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

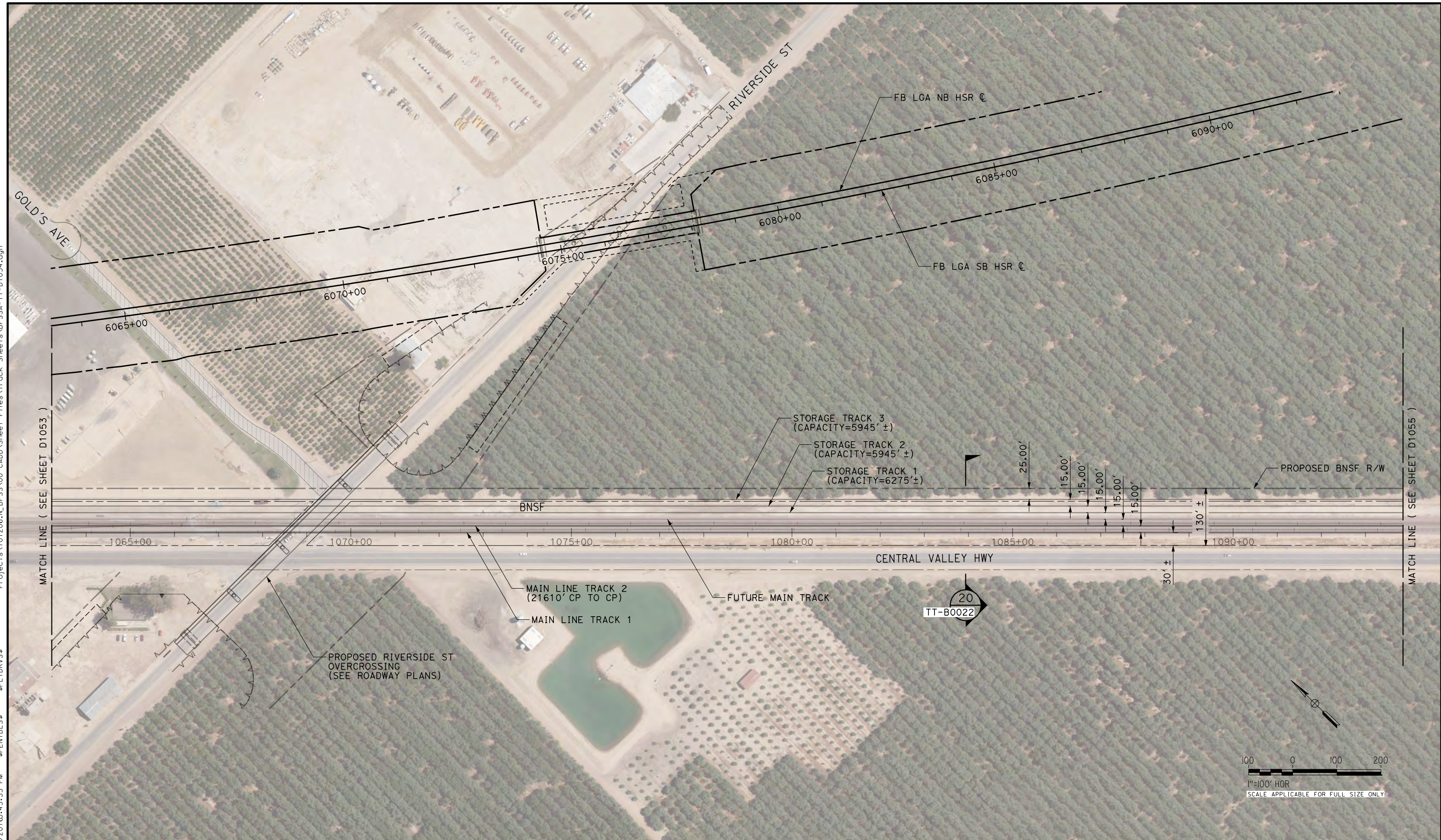
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
BNSF TRACK GUIDEWAY PLAN

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1053
SCALE
AS SHOWN
SHEET NO.

TYLIN\jtrejo 10/26/2016 4:33 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Track_Sheets\BFSSA-TT-D1054.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. TREJO
DRAWN BY
N. OLINO
CHECKED BY
E. WINTERS
IN CHARGE
P. PIENTON
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
BNSF TRACK GUIDEWAY PLAN

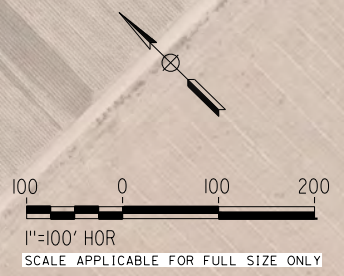
CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1054
SCALE
AS SHOWN
SHEET NO.

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 \$PLTDRVS\$
 \$PENTBLS\$
 10/26/2016 4:26 PM
 TYLIN\jtrejo



CURVE #	MPH	Dc (DMS)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
B-3	79	0°30'0"	0.50"	1.68"	100	160.26

CURVE #	MPH	Dc (DMS)	EA (IN)	EU (IN)	LS (FT)	LC (FT)
B-4	79	0°30'0"	0.50"	1.68"	100	159.63



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 DRAWN BY
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 IN CHARGE
P. PIENTON
 DATE
10/28/2016

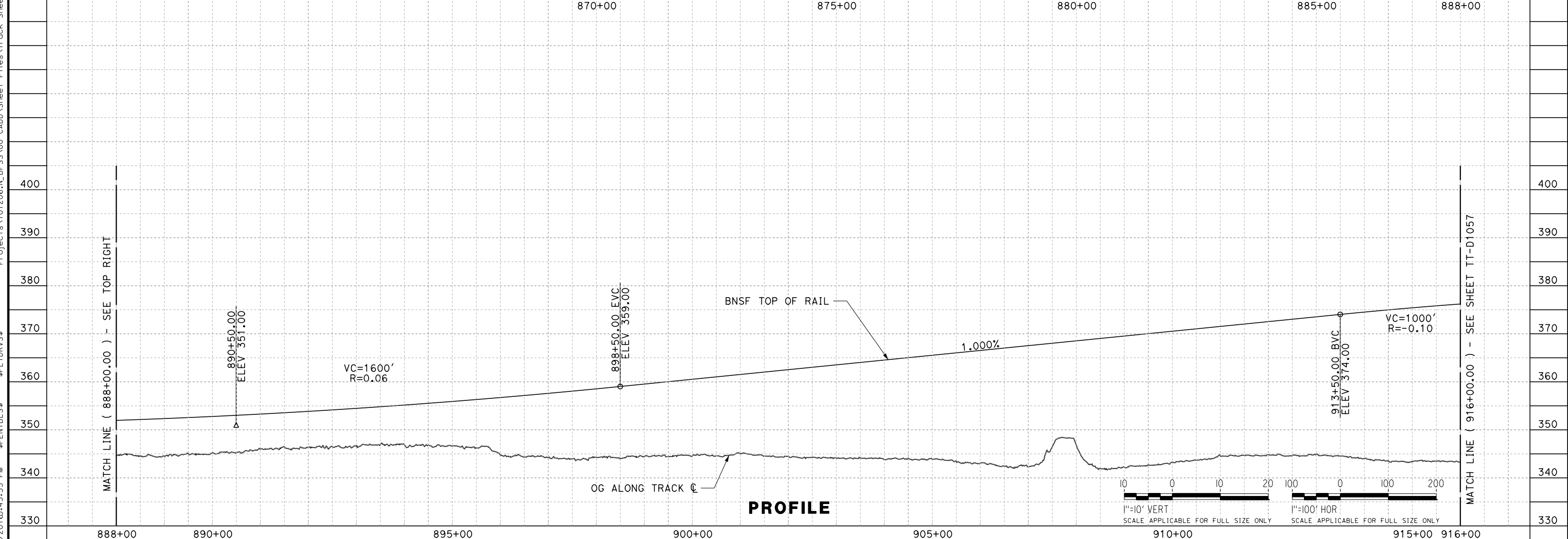
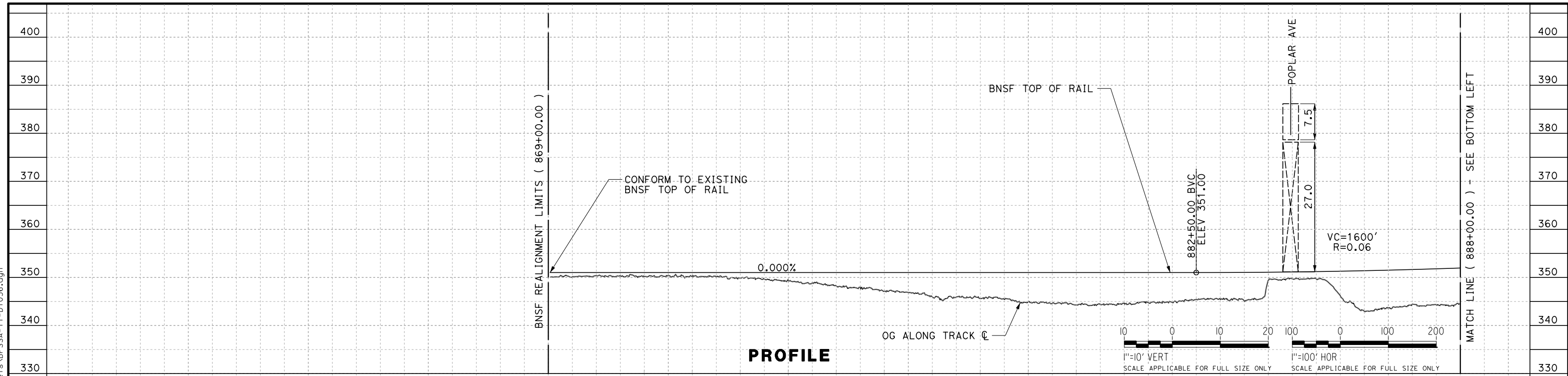
RECORD SET
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CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 BNSF TRACK GUIDEWAY PLAN

CONTRACT NO.
HSR13-44
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TT-D1055
 SCALE
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DATE
10/28/2016

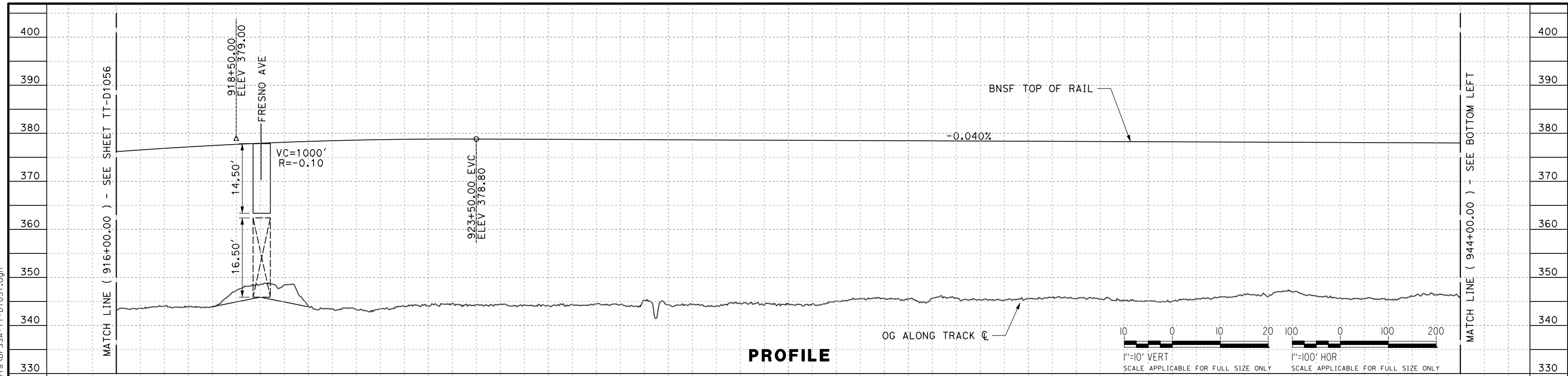
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SUBMISSION**



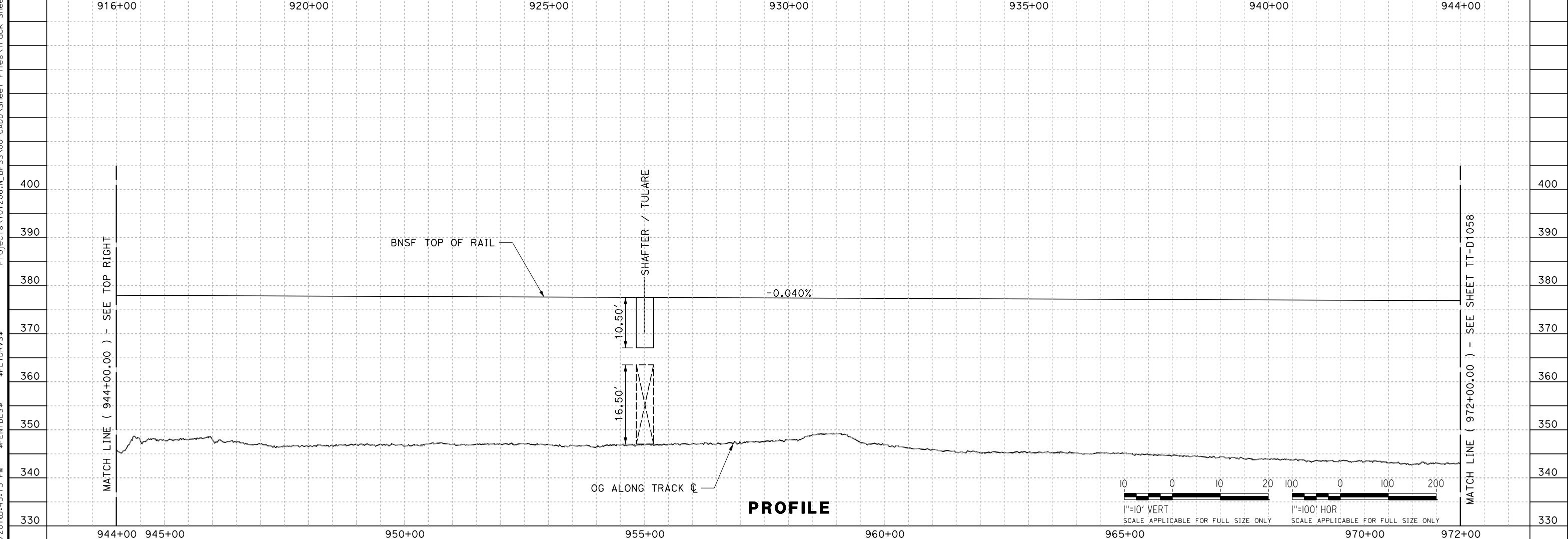
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
BNSF VERTICAL RAISE
STA 865+00 TO 916+00
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1056
SCALE
AS SHOWN
SHEET NO.

TYL\jtrejo 10/26/2016 4:43:13 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N.BFSS\00 CADD\Sheet Files\Track Sheets\BFSSA-TT-D1057.dgn



PROFILE



PROFILE

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P. PIENTON
DATE
10/28/2016

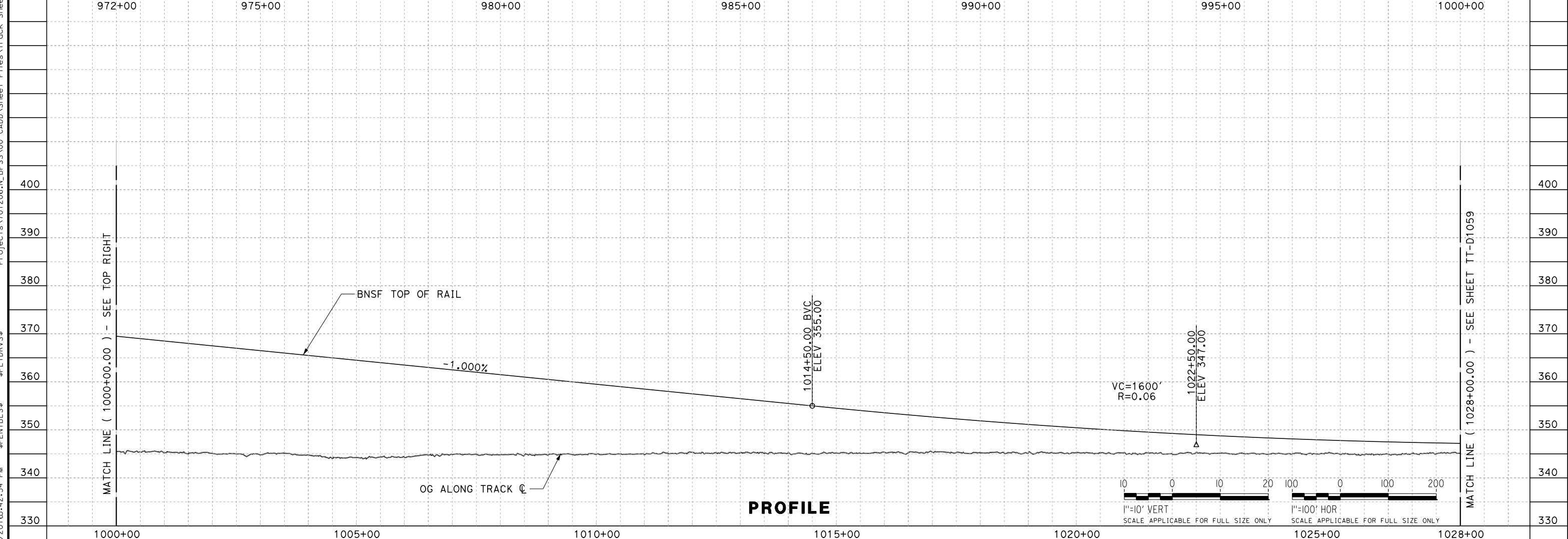
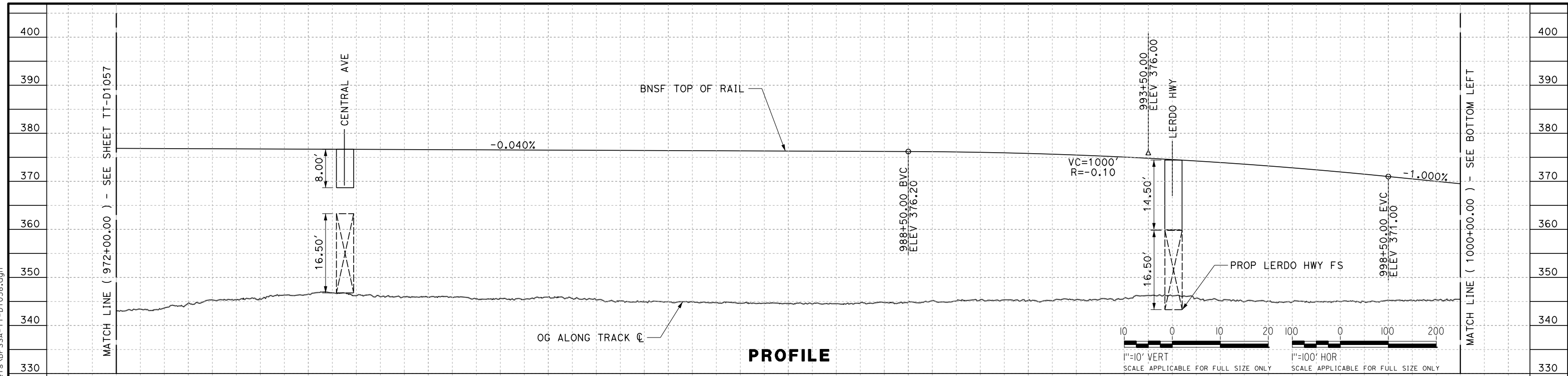
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PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
BNSF VERTICAL RAISE
STA 916+00 TO 972+00
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1057
SCALE
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SHEET NO.

TYLIN\jtrejo 10/26/2016 12:14 PM \$PENTBL\$ \$PLTDRV\$ Projects\701206.N.BFSS\00 CADD\Sheet Files\Track Sheets\BFSSA-TT-D1058.dgn



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IN CHARGE
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DATE
10/28/2016

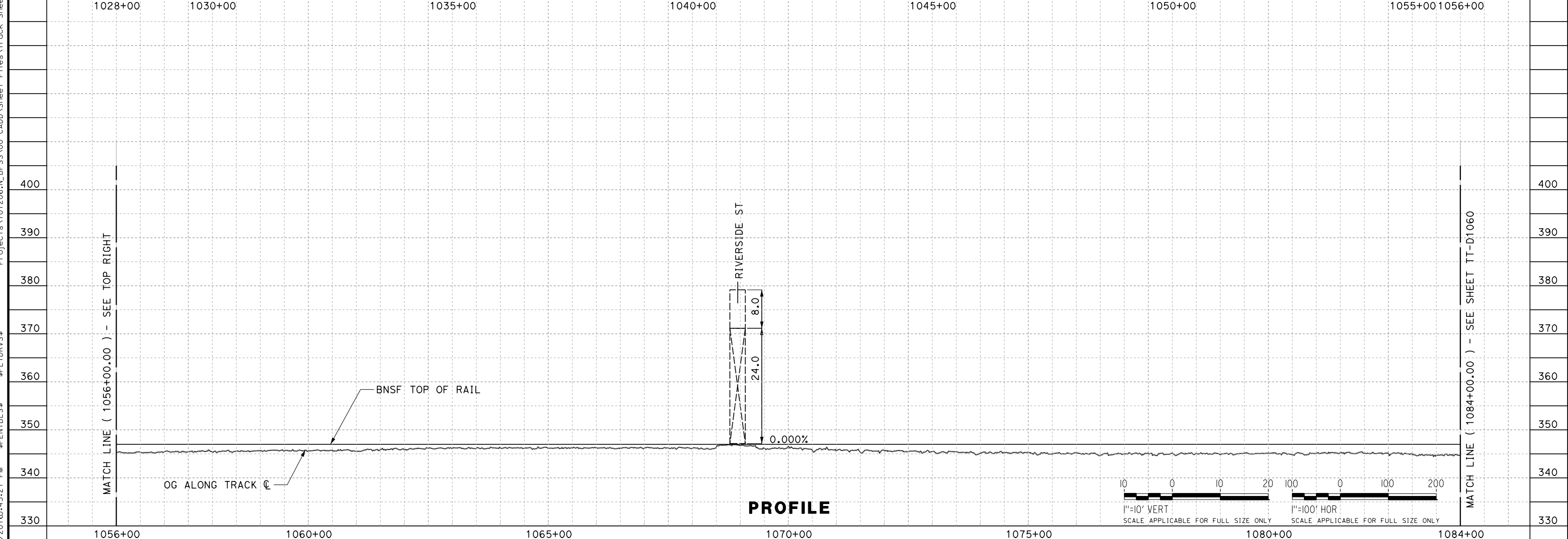
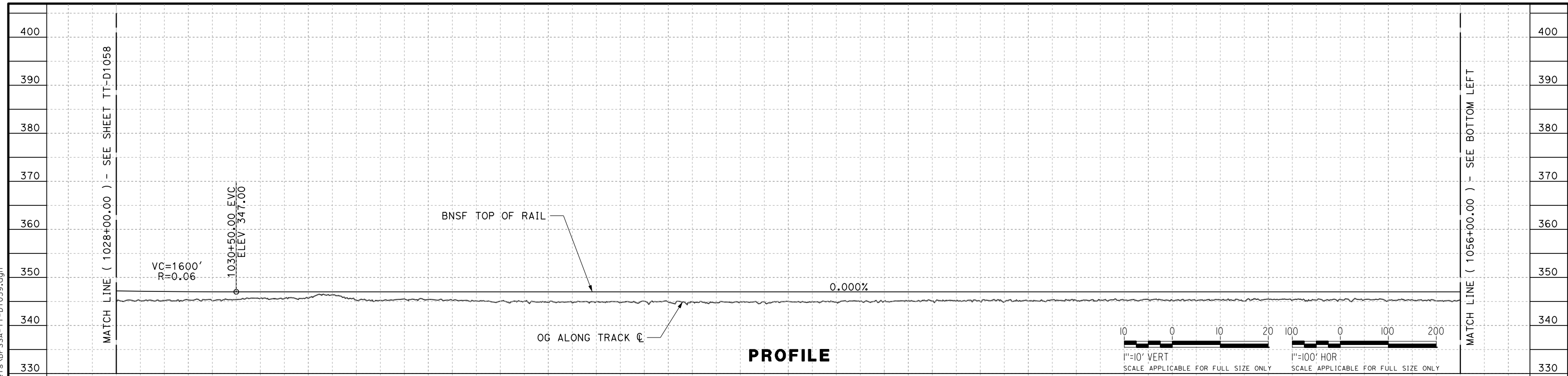
**RECORD SET
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
BNSF VERTICAL RAISE
STA 972+00 TO 1028+00
PROFILE

CONTRACT NO.
HSR13-44
DRAWING NO.
TT-D1058
SCALE
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SHEET NO.

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J. TREJO

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E. WINTERS

IN CHARGE
P. PIENTON

DATE
10/28/2016

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PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
BNSF VERTICAL RAISE
STA 1028+00 TO 1084+00
PROFILE

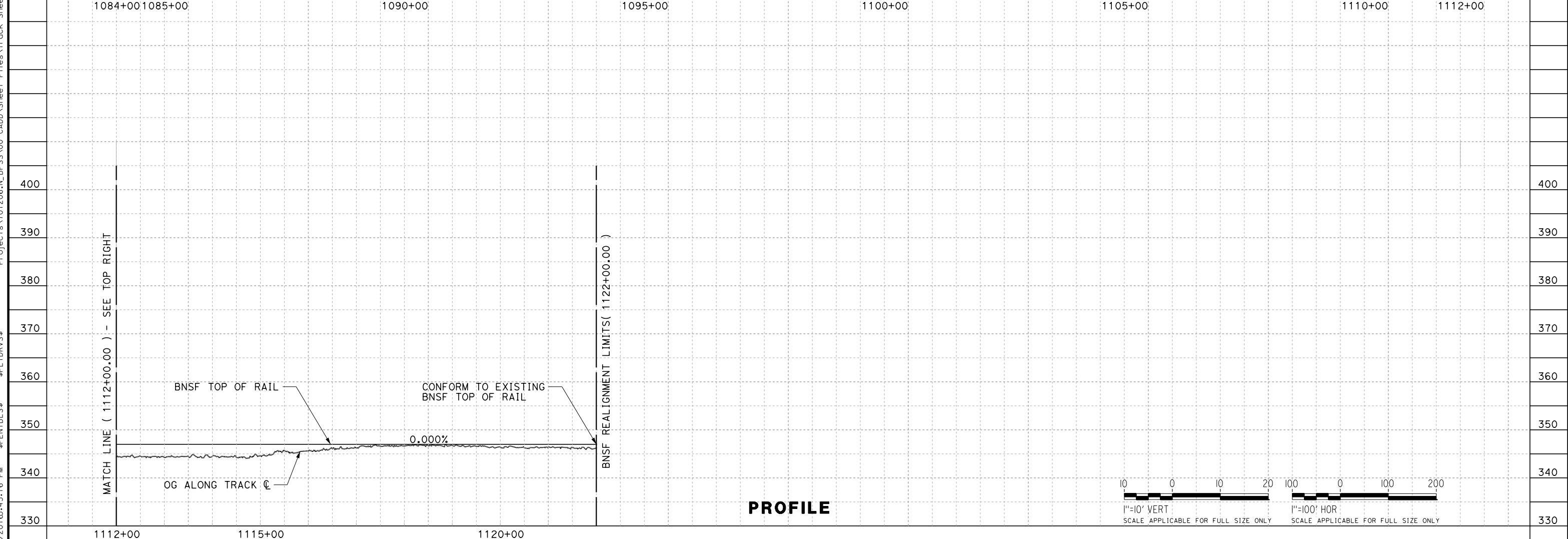
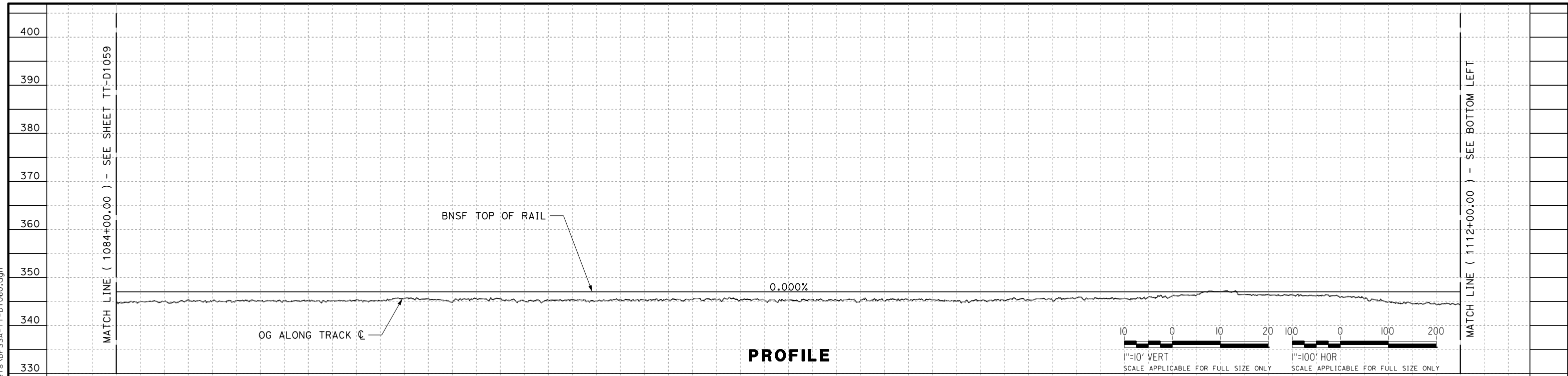
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SCALE
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SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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J. TREJO

CHECKED BY
E. WINTERS

IN CHARGE
P. PIENTON

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
BNSF VERTICAL RAISE
STA 1084+00 TO 1140+00
PROFILE

CONTRACT NO.
HSR13-44

DRAWING NO.
TT-D1060

SCALE
AS SHOWN

SHEET NO.

