

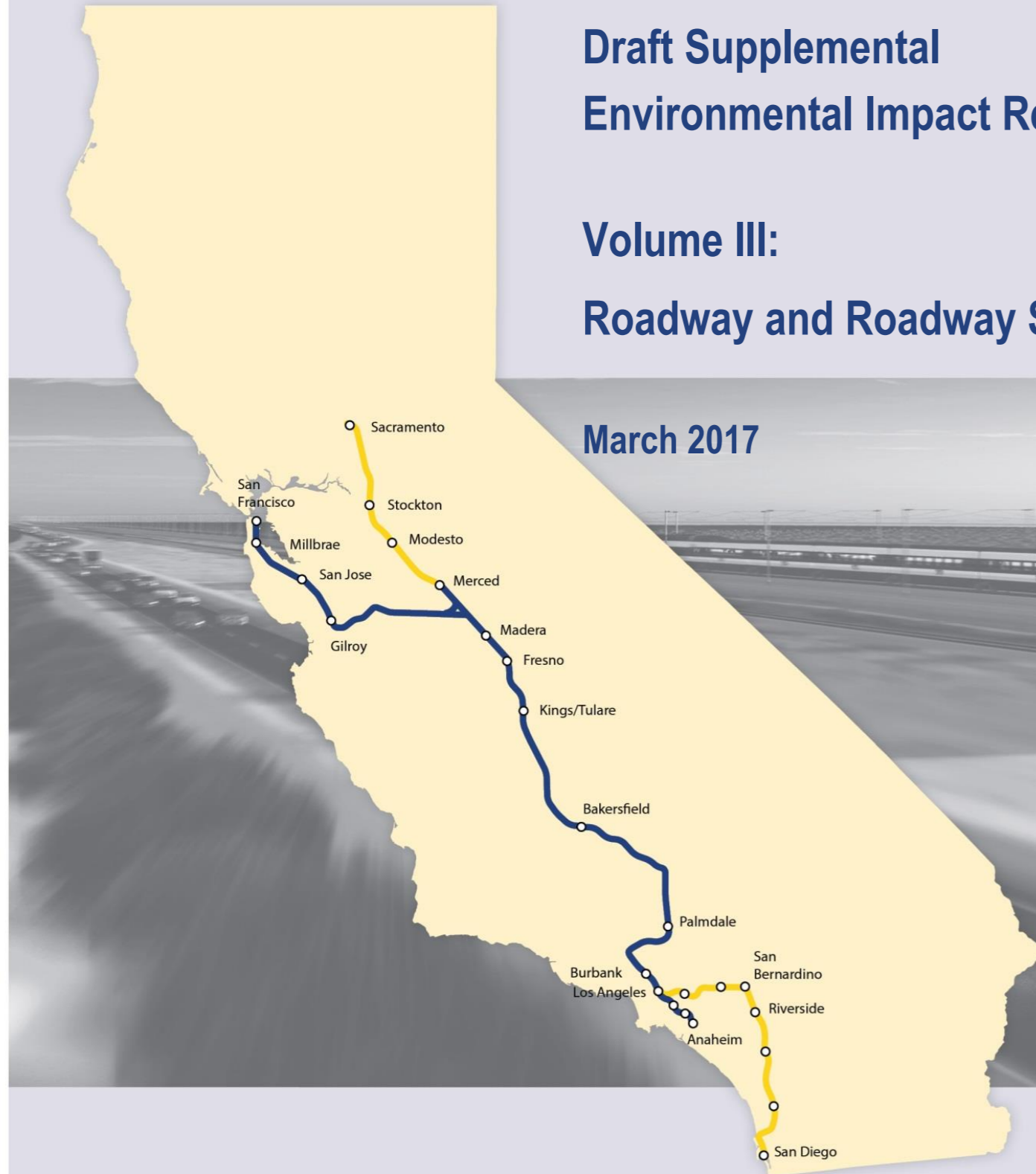
California High-Speed Rail Authority

Fresno to Bakersfield Section

**Draft Supplemental
Environmental Impact Report / Environmental Impact Statement**

**Volume III:
Roadway and Roadway Structure Plans**

March 2017



GENERAL, ROADWAY, GRADE SEPARATION. & STRUCTURES

DRAWING NO.	REV NO.	DRAWING DESCRIPTION
		GENERAL
CV-B0001		INDEX OF SHEETS
CV-B0002		INDEX OF SHEETS
CV-B0003		ABBREVIATIONS AND SYMBOLS
CV-B0004		ABBREVIATIONS AND SYMBOLS
CV-B0005		KEY MAP
CV-B0006		KEY MAP
CV-B0007		TYPICAL SECTION
CV-B0008		TYPICAL SECTION
CV-B0009		TYPICAL SECTION
CV-B0010		TYPICAL SECTION
CV-B0011		TYPICAL SECTION
CV-B0012		TYPICAL SECTION
CV-B0013		TYPICAL SECTION
CV-B0014		TYPICAL SECTION
CV-B0015		TYPICAL SECTION
CV-B0016		TYPICAL SECTION
CV-B0017		TYPICAL SECTION
CV-B0018		TYPICAL SECTION
CV-B0019		TYPICAL SECTION
CV-B0020		TYPICAL SECTION
CV-B0021		TYPICAL SECTION
CV-B0022		TYPICAL SECTION
CV-B0023		TYPICAL SECTION
CV-B0024		TYPICAL SECTION
CV-B0025		TYPICAL SECTION
CV-B0026		TYPICAL SECTION
CV-B0027		TYPICAL SECTION
CV-B0028		TYPICAL SECTION
CV-B0029		TYPICAL SECTION
CV-B0030		TYPICAL SECTION
CV-B0031		TYPICAL SECTION
CV-B0032		TYPICAL SECTION
CV-B0033		TYPICAL SECTION
CV-B0034		TYPICAL SECTION

GENERAL, ROADWAY, GRADE SEPARATION. & STRUCTURES

DRAWING NO.	REV NO.	DRAWING DESCRIPTION
CV-B0035		TYPICAL SECTION
CV-B0036		TYPICAL SECTION
CV-B0037		TYPICAL SECTION
CV-B0038		TYPICAL SECTION
CV-B0039		TYPICAL SECTION
CV-B0040		TYPICAL SECTION
		ROADWAY
CV-R1001		ROADWAY - FRESNO AVENUE LAYOUT
CV-R1002		ROADWAY - FRESNO AVENUE PROFILE
CV-R1003		ROADWAY - METTLER AVENUE PROFILE
CV-R1004		ROADWAY - TULARE AVENUE LAYOUT
CV-R1005		ROADWAY - TULARE AVENUE PROFILE
CV-R1006		ROADWAY - CENTRAL AVENUE LAYOUT
CV-R1007		ROADWAY - CENTRAL AVENUE PROFILE
CV-R1008		ROADWAY - EAST LERDO HIGHWAY LAYOUT
CV-R1009		ROADWAY - EAST LERDO HIGHWAY PROFILE
CV-R1010		ROADWAY - EAST LOS ANGELES AVENUE LAYOUT
CV-R1011		ROADWAY - EAST LOS ANGELES AVENUE PROFILE
CV-R1012		ROADWAY - GOLD'S AVENUE LAYOUT
CV-R1013		ROADWAY - GOLD'S AVENUE PROFILE
CV-R1014		ROADWAY - STATE ROAD NORTH LAYOUT
CV-R1015		ROADWAY - STATE ROAD NORTH PROFILE
CV-R1016		ROADWAY - STATE ROAD SOUTH LAYOUT
CV-R1017		ROADWAY - STATE ROAD SOUTH PROFILE
CV-R1018		ROADWAY - SUMNER STREET LAYOUT
CV-R1019		ROADWAY - SUMNER STREET LAYOUT
CV-R1020		ROADWAY - SUMNER STREET PROFILE
CV-R1021		ROADWAY - SUMNER STREET PROFILE
CV-R1022		ROADWAY - SUMNER STREET PROFILE
CV-R1023		ROADWAY - SUMNER STREET PROFILE
CV-R1024		ROADWAY - EDISON HIGHWAY LAYOUT
CV-R1025		ROADWAY - EDISON HIGHWAY LAYOUT
CV-R1026		ROADWAY - EDISON HIGHWAY LAYOUT
CV-R1027		ROADWAY - EDISON HIGHWAY PROFILE
CV-R1028		ROADWAY - EDISON HIGHWAY PROFILE
CV-R1029		ROADWAY - EDISON HIGHWAY PROFILE

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
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P. BOCTOR
 CHECKED BY
R. GONZALEZ
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S. OLLO
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY / GRADE SEPARATION
 INDEX OF SHEETS

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

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DRAWING NO.	REV NO.	DRAWING DESCRIPTION
		GRADE SEPARATION
CV-T1001		GRADE SEPARATION LAYOUT - POPLAR AVENUE
CV-T1002		GRADE SEPARATION LAYOUT - POPLAR AVENUE
CV-T1003		GRADE SEPARATION LAYOUT - POPLAR AVENUE
CV-T1004		GRADE SEPARATION PROFILE - POPLAR AVENUE
CV-T1005		GRADE SEPARATION PROFILE - POPLAR AVENUE
CV-T1006		GRADE SEPARATION PROFILE - POPLAR AVENUE
CV-T1007		GRADE SEPARATION PROFILE - POPLAR AVENUE
CV-T1008		GRADE SEPARATION LAYOUT - RIVERSIDE STREET
CV-T1009		GRADE SEPARATION LAYOUT - RIVERSIDE STREET
CV-T1010		GRADE SEPARATION LAYOUT - RIVERSIDE STREET
CV-T1011		GRADE SEPARATION PROFILE - RIVERSIDE STREET
CV-T1012		GRADE SEPARATION PROFILE - RIVERSIDE STREET
CV-T1013		GRADE SEPARATION LAYOUT - COFFEE ROAD
CV-T1014		GRADE SEPARATION LAYOUT - COFFEE ROAD
CV-T1015		GRADE SEPARATION LAYOUT - 7TH STANDARD ROAD
CV-T1016		GRADE SEPARATION LAYOUT - 7TH STANDARD ROAD
CV-T1017		GRADE SEPARATION LAYOUT - 7TH STANDARD ROAD
CV-T1018		GRADE SEPARATION LAYOUT - 7TH STANDARD ROAD
CV-T1019		GRADE SEPARATION PROFILE - COFFEE ROAD
CV-T1020		GRADE SEPARATION PROFILE - COFFEE ROAD
CV-T1021		GRADE SEPARATION PROFILE - ACCESS DRIVEWAY
CV-T1022		GRADE SEPARATION PROFILE - 7TH STANDARD ROAD
CV-T1023		GRADE SEPARATION PROFILE - 7TH STANDARD ROAD
CV-T1024		GRADE SEPARATION PROFILE - GOLDEN STATE HIGHWAY FRONTAGE
CV-T1025		GRADE SEPARATION PROFILE - 7TH STANDARD ROAD
CV-T1026		GRADE SEPARATION PROFILE - 7TH STANDARD ROAD
CV-T1027		GRADE SEPARATION PROFILE - 7TH STANDARD ROAD
CV-T1028		GRADE SEPARATION PROFILE - 7TH STANDARD ROAD
CV-T1029		GRADE SEPARATION PROFILE - 7TH STANDARD ROAD
CV-T1030		GRADE SEPARATION LAYOUT - SR-204
CV-T1031		GRADE SEPARATION LAYOUT - SR-204
CV-T1032		GRADE SEPARATION LAYOUT - SR-204
CV-T1033		GRADE SEPARATION LAYOUT - SR-204
CV-T1034		GRADE SEPARATION PROFILE - SR-204

GENERAL, ROADWAY, GRADE SEPARATION. & STRUCTURES

DRAWING NO.	REV NO.	DRAWING DESCRIPTION
CV-T1035		GRADE SEPARATION PROFILE - F STREET
CV-T1036		GRADE SEPARATION PROFILE - SR-204 NB OFF-RAMP
CV-T1037		GRADE SEPARATION PROFILE - SR-204 NB ON-RAMP
CV-T1038		GRADE SEPARATION PROFILE - SR-204 SB OFF-RAMP
CV-T1039		GRADE SEPARATION PROFILE - SR-204 SB ON-RAMP
CV-T1040		GRADE SEPARATION PROFILE - F ST MULTI-USE PATH
CV-T1041		GRADE SEPARATION LAYOUT - STATION
CV-T1042		GRADE SEPARATION LAYOUT - STATION
CV-T1043		GRADE SEPARATION PROFILE - STATION ROAD 1 AND 2
CV-T1044		GRADE SEPARATION PROFILE - STATION 3 AND 4
CV-T1045		GRADE SEPARATION PROFILE - STATION 5 AND 6
CV-T1046		GRADE SEPARATION PROFILE - 32ND STREET
CV-T1047		GRADE SEPARATION PROFILE - STATION MULTI-USE PATH
CV-T1048		GRADE SEPARATION PROFILE - MULTI-USE PATH 2
CV-T1049		GRADE SEPARATION PROFILE - GOLDEN STATE AVENUE SOUTH FRONTAGE
CV-T1050		GRADE SEPARATION LAYOUT - 34TH STREET
CV-T1051		GRADE SEPARATION PROFILE - 34TH ST MUP
CV-T1052		GRADE SEPARATION PROFILE - CHESTER AVE
CV-T1053		GRADE SEPARATION PROFILE - K STREET
		ROADWAY STRUCTURES
CV-T7001		DRAFT GENERAL PLAN NO. 1 - POPLAR AVENUE OVERHEAD
CV-T7002		DRAFT GENERAL PLAN NO. 2 - POPLAR AVENUE OVERHEAD
CV-T7003		DRAFT GENERAL PLAN - RIVERSIDE STREET OVERHEAD
CV-T7004		DRAFT TYPICAL SECTION - RIVERSIDE STREET OVERHEAD
CV-T7005		DRAFT GENERAL PLAN NO. 1 - 7TH STANDARD VIADUCT
CV-T7006		DRAFT GENERAL PLAN NO. 2 - 7TH STANDARD VIADUCT
CV-T7007		DRAFT GENERAL PLAN NO. 3 - 7TH STANDARD VIADUCT
CV-T7008		DRAFT TYPICAL SECTIONS - 7TH STANDARD VIADUCT
CV-T7009		DRAFT GENERAL PLAN - CARRIER CANAL BRIDGE (WIDEN)
CV-T7010		DRAFT GENERAL PLAN - F STREET UC
CV-T7011		DRAFT ELEVATIONS - F STREET UC
CV-T7012		DRAFT GENERAL PLAN - CHESTER AVE UC
CV-T7013		DRAFT SECTIONS - CHESTER AVE UC
CV-T7014		DRAFT GENERAL PLAN - PEDESTRIAN BRIDGE OVER CARRIER CANAL
CV-T7015		DRAFT GENERAL PLAN - PEDESTRIAN BRIDGE OVER SR-204 ON-RAMP

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H. PARK
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GENERAL, ROADWAY, GRADE SEPARATION. & STRUCTURES

DRAWING NO.	REV NO.	DRAWING DESCRIPTION
CV-T7016		DRAFT TYPICAL SECTIONS - PEDESTRIAN BRIDGE OVER SR-204 ON-RAMP
CV-T7017		DRAFT GENERAL PLAN - PEDESTRIAN BRIDGE OVER F STREET
CV-T7018		DRAFT GENERAL PLAN - 34TH STREET

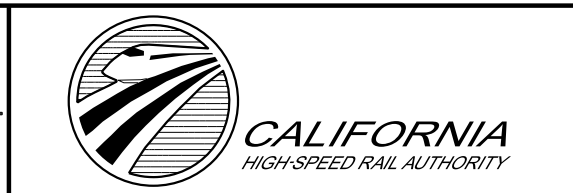
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CONTRACT NO.
HSR13-44
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CV-B0003
 SCALE
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A

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
℄ CENTERLINE
CL2 CLASS 2
CL-6 CHAIN LINK FENCE (6 FT)
CLF CHAIN LINK FENCE
CLR CLEAR, CLEARANCE
CM CORRUGATED METAL
CM 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 CONCRETED 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
CVFPB CENTRAL VALLEY FLOOD PROTECTION BOARD
CULV CULVERT
℄ 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 STATION
 STAB 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
 WWL WINGWALL LAYOUT LINE
 W/ WITH

X

X SEC CROSS SECTION
 XING CROSSING

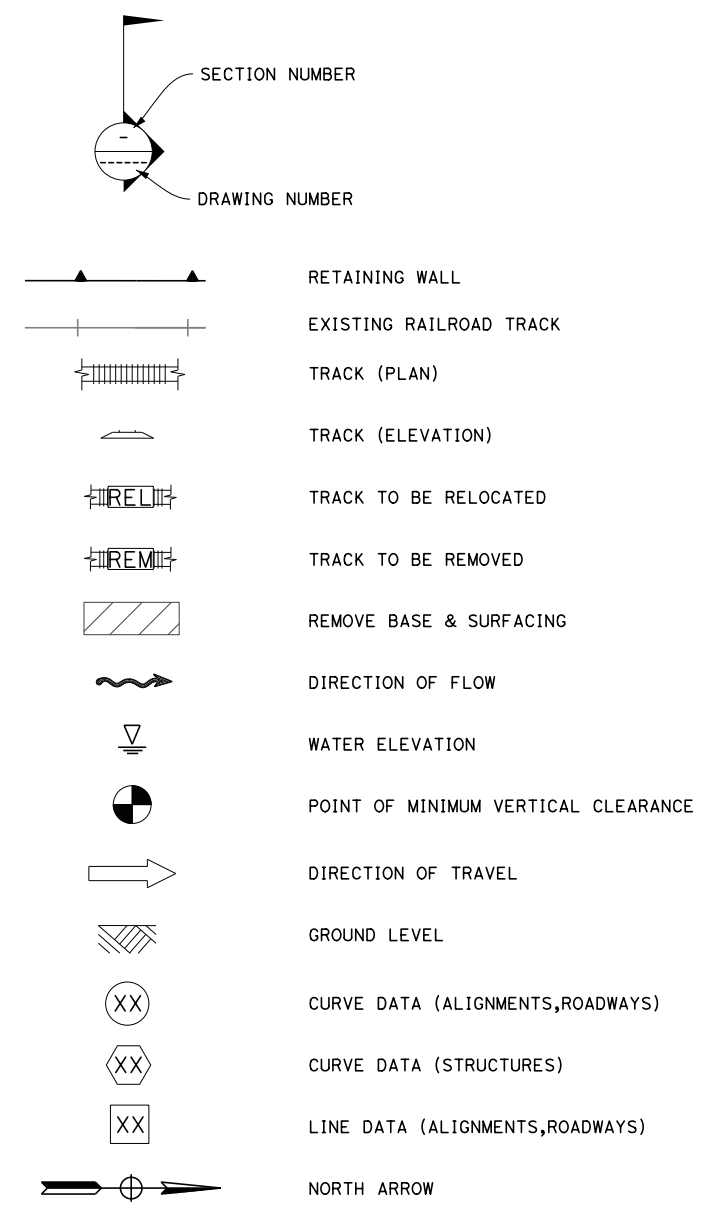
Y

YL YARD LEAD
 YR YEAR
 YRS YEARS

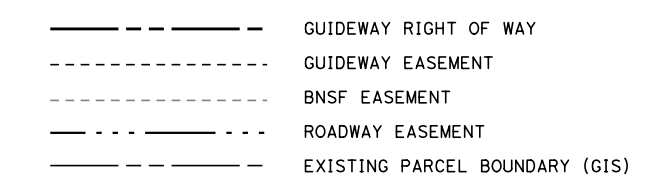
V

V VALVE, DESIGN SPEED VARIABLE
 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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REV	DATE	BY	CHK	APP	DESCRIPTION

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H. PARK
 DRAWN BY
P. BOCTOR
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

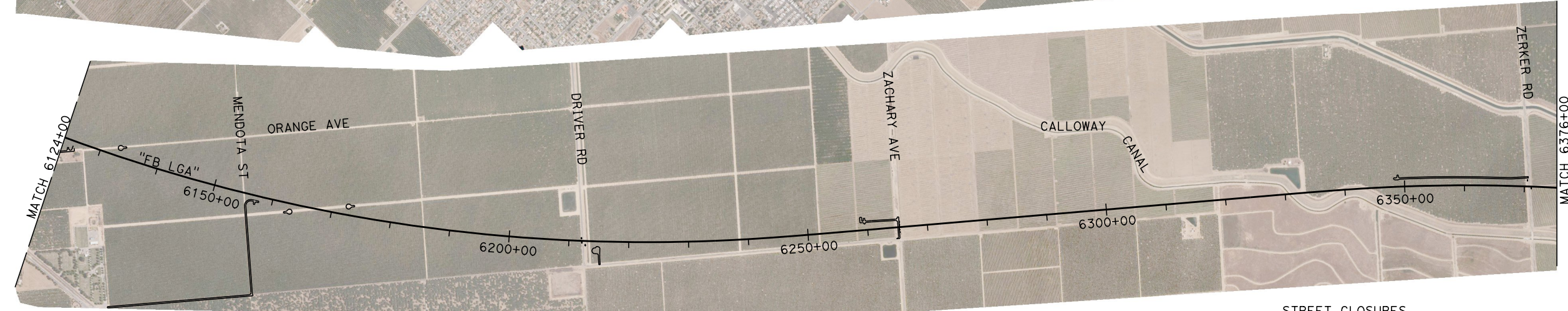
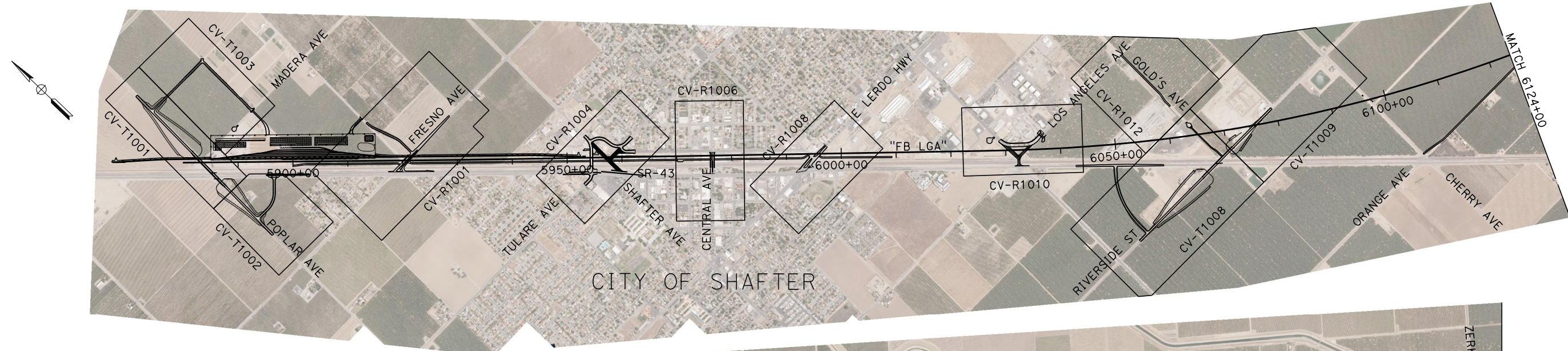
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 PEPP DESIGN
 SUBMISSION**



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

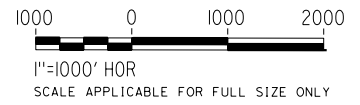
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HSR13-44
 DRAWING NO.
CV-B0005
 SCALE
NO SCALE
 SHEET NO.

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STREET CLOSURES

STREET NAME	HSR ALIGNMENT STATION	LOCAL STANDARD
MADERA AVE	5885+00	CITY OF SHAFTER
GOLDS AVE	6065+20	CITY OF SHAFTER
ORANGE AVE	6129+60	CITY OF SHAFTER
MENDOTA ST	6155+08	CITY OF SHAFTER
24TH STREET	6928+00	CITY OF BAKERSFIELD
MILLER ST	6997+10	CITY OF BAKERSFIELD
HALEY ST	7002+00	CITY OF BAKERSFIELD
STEELE AVE	7060+00	CITY OF BAKERSFIELD



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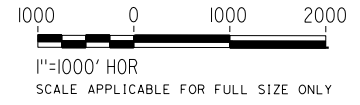
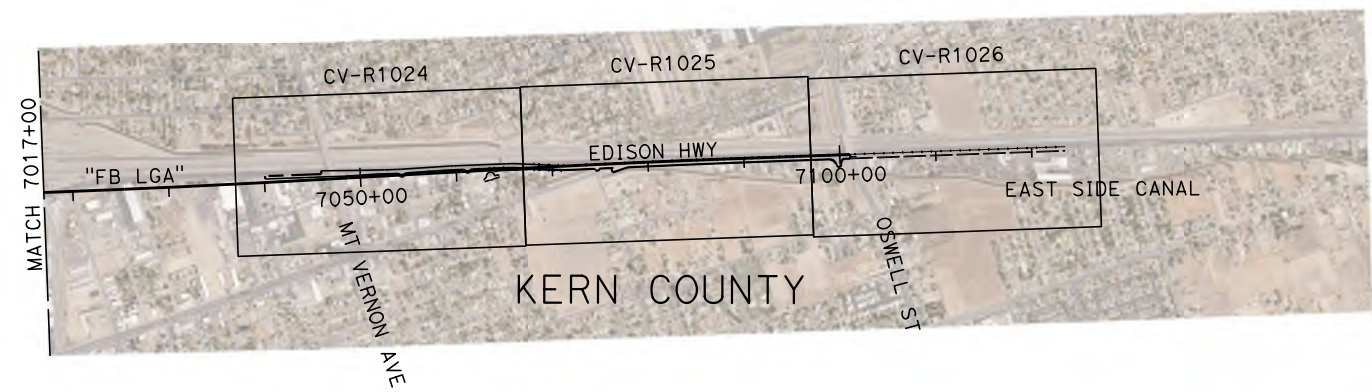
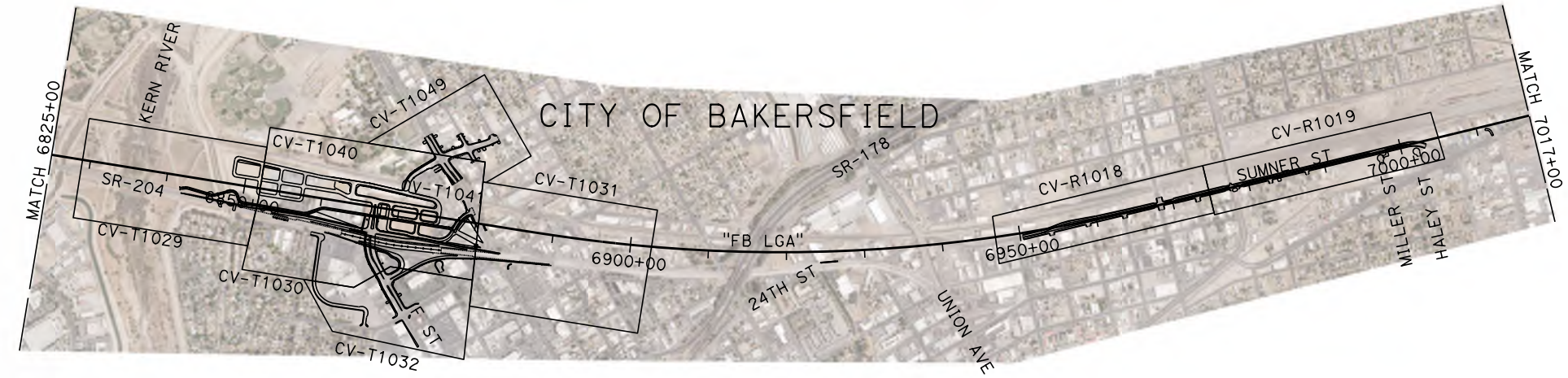
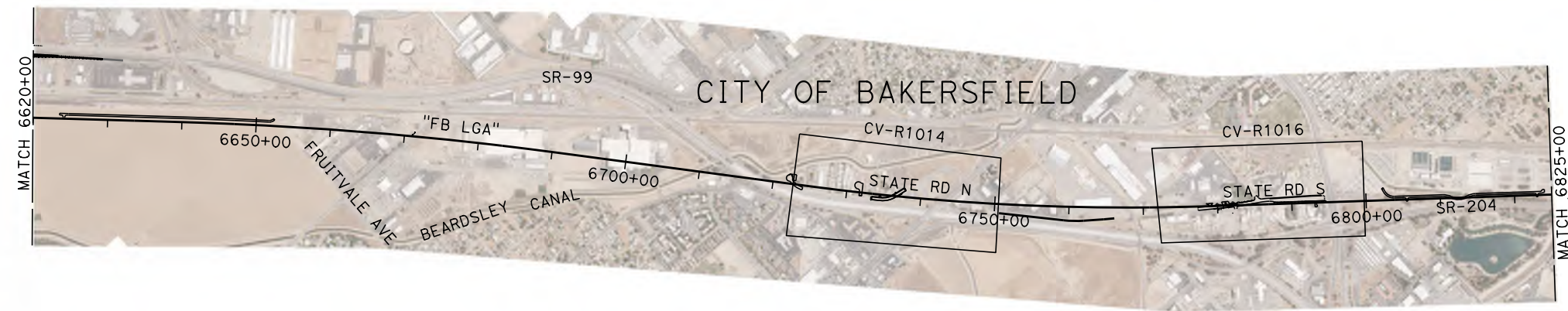
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPERATION
KEY MAP SHEET 1

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

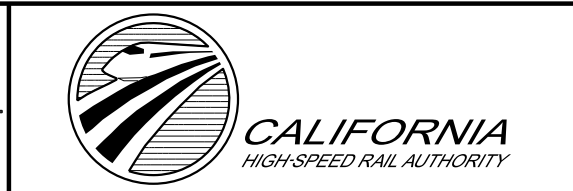
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P. BOCTOR
CHECKED BY
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IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



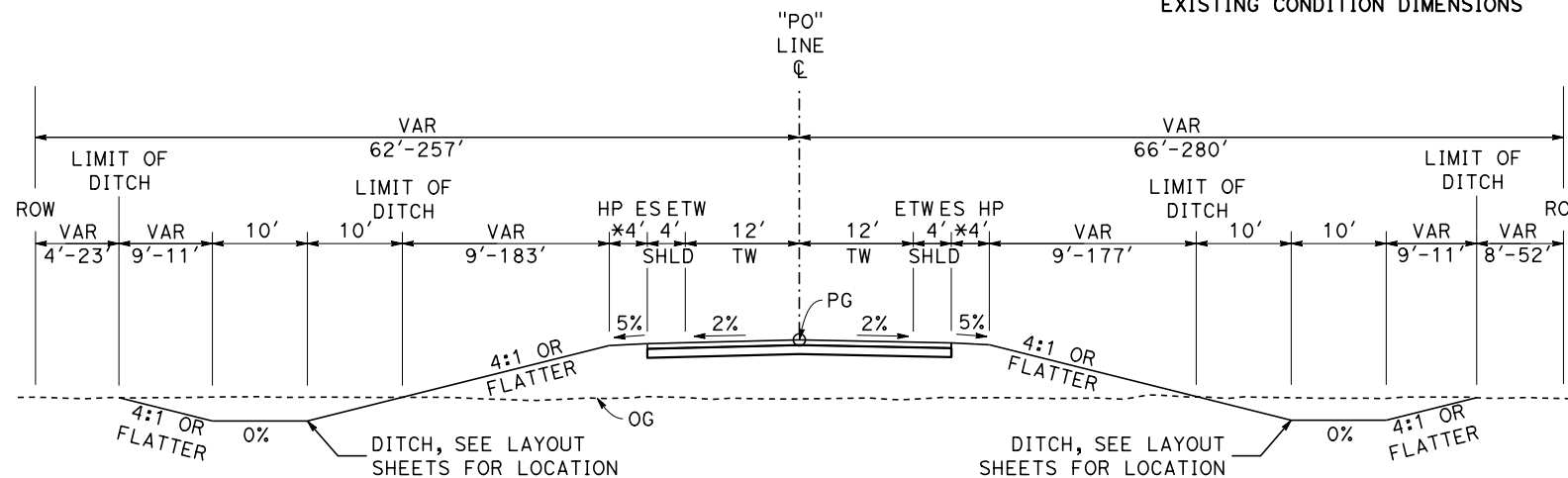
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
KEY MAP SHEET 2

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HSR13-44
DRAWING NO.
CV-B0007
SCALE
AS SHOWN
SHEET NO.

TABLE OF DESIGN SPEEDS

STREET NAME	ALIGNMENT DESIGNATION	DESIGN SPEED MPH	CRITERIA/JURISDICTION
POPLAR AVE	PO	55	CITY OF SHAFTER/CITY OF SHAFTER
POPLAR CONNECTOR	PO-C	35	CITY OF SHAFTER/CITY OF SHAFTER
COUNTY RD 2	CR2	35	CITY OF SHAFTER/CITY OF SHAFTER
COUNTY RD 3	CR3	35	CITY OF SHAFTER/CITY OF SHAFTER
FRESNO AVE	FRE	40	CITY OF SHAFTER/CITY OF SHAFTER
METTLER AVE	MTL	35	CITY OF SHAFTER/CITY OF SHAFTER
TULARE RD	ETUL	25	CITY OF SHAFTER/CITY OF SHAFTER
SHAFTER AVE	WTUL	25	CITY OF SHAFTER/CITY OF SHAFTER
WALKER AVE	WAL	25	CITY OF SHAFTER/CITY OF SHAFTER
CENTRAL AVE	CNT	25	CITY OF SHAFTER/CITY OF SHAFTER
E LERDO HWY	LER	35	CITY OF SHAFTER/CITY OF SHAFTER
E LOS ANGELES AVE	LOS	30	CITY OF SHAFTER/CITY OF SHAFTER
RIVERSIDE ST	RIV	55	CITY OF SHAFTER/CITY OF SHAFTER
RIVERSIDE CONNECTOR	RIV-C	55	CITY OF SHAFTER/CITY OF SHAFTER
GOLD'S AVE	GLD	35	CITY OF SHAFTER/CITY OF SHAFTER
SR-99	SR99	70	HDM/CALTRANS
7TH STANDARD RD	7TH	40	HDM/CALTRANS
GOLDEN STATE HWY FRONTAGE	GSHF	45	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
COFFEE RD	COF	35	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
ACCESS DRIVEWAY	ADW	25	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
STATE RD (NORTH)	STN	30	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
STATE RD (SOUTH)	STS	45	KERN COUNTY/KERN COUNTY
SR-204	SR204	55/75	HDM/CALTRANS
F ST	F	40	HDM/CALTRANS
GOLDEN STATE AVE S. FRNT	GO	35	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
STATION RD 1	ST1	25	CITY OF BAKERSFIELD/TO BE DETERMINED
STATION RD 2	ST2	25	CITY OF BAKERSFIELD/TO BE DETERMINED
STATION RD 3	ST3	25	CITY OF BAKERSFIELD/TO BE DETERMINED
STATION RD 4	ST4	25	CITY OF BAKERSFIELD/TO BE DETERMINED
STATION RD 5	ST5	25	CITY OF BAKERSFIELD/TO BE DETERMINED
STATION RD 6	ST6	25	CITY OF BAKERSFIELD/TO BE DETERMINED
32ND ST	32	25	CITY OF BAKERSFIELD/TO BE DETERMINED
34TH ST	34	45	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
CHESTER AVE	CHE	40	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
K ST	K	35	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
SUMNER ST	SUMN/SUMS	35	CITY OF BAKERSFIELD/CITY OF BAKERSFIELD
EDISON HWY	EDI	35	KERN COUNTY/KERN COUNTY

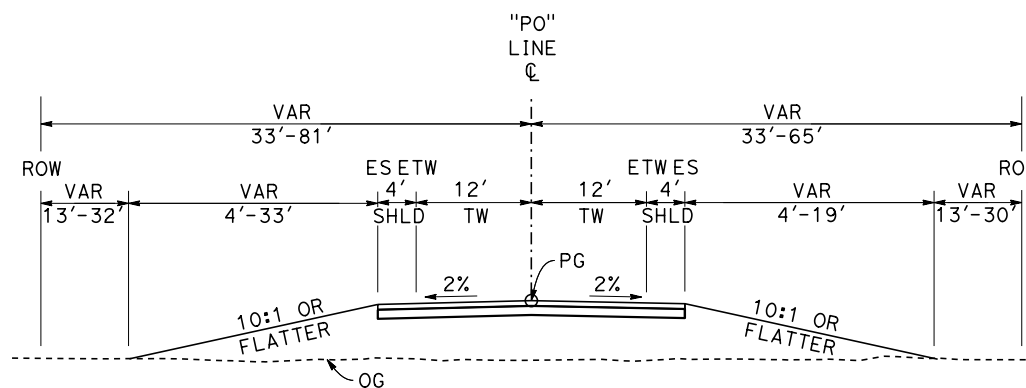
NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



TYPICAL SECTION POPLAR AVE

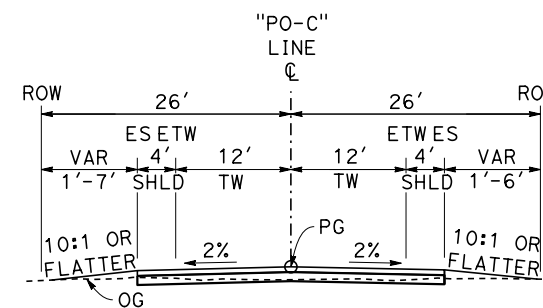
"PO" STA 12+00 TO 24+67
 "PO" STA 31+92 TO 41+80

*DIMENSION VARIES FROM 4' TO 11.5' STARTING 20' BEFORE BEGIN CRASH CUSHION. TYPICAL AT BEGIN AND END OF BRIDGE.



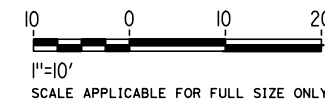
TYPICAL SECTION POPLAR AVE

"PO" STA 9+50 TO 12+00
 "PO" STA 41+80 TO 45+00



TYPICAL SECTION POPLAR CONNECTOR

"PO-C" STA 10+00 TO 18+72

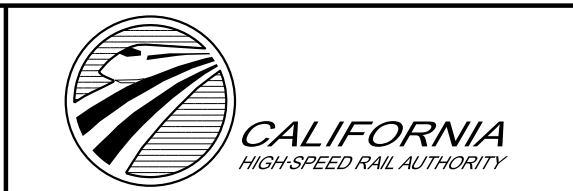


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DRAWN BY P. BOCTOR
CHECKED BY R. GONZALEZ
IN CHARGE S. OLLO
DATE 10/28/2016

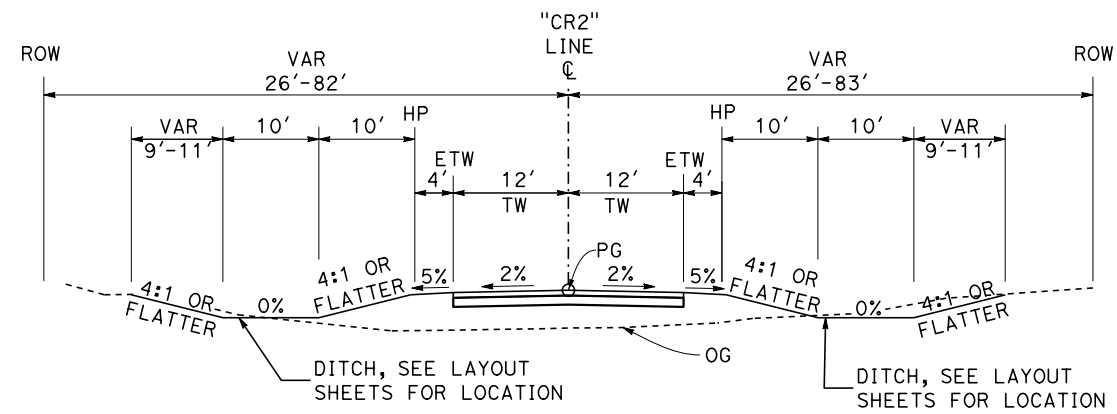
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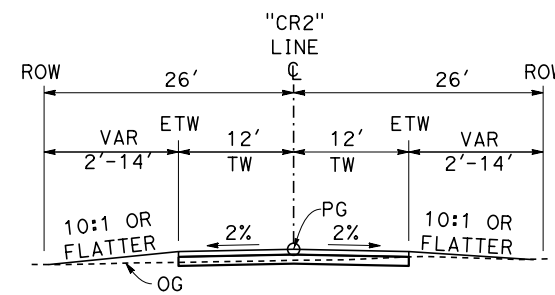
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY / GRADE SEPARATION
 TYPICAL SECTIONS

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

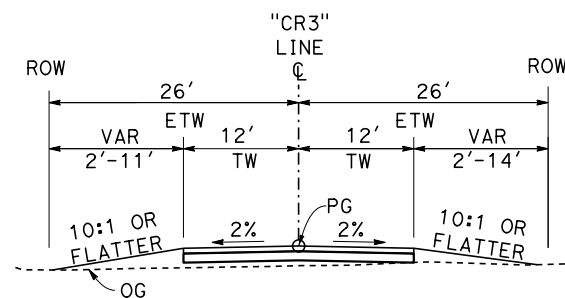
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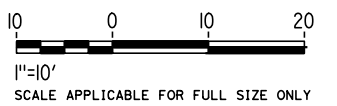
**TYPICAL SECTION
COUNTY RD 2**
"CR2" STA 10+00 TO 13+00



**TYPICAL SECTION
COUNTY RD 2**
"CR2" STA 13+00 TO 23+04



**TYPICAL SECTION
COUNTY RD 3**
"CR3" STA 10+00 TO 22+84



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DRAWN BY
P. BOCTOR
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S. OLLO
DATE
10/28/2016

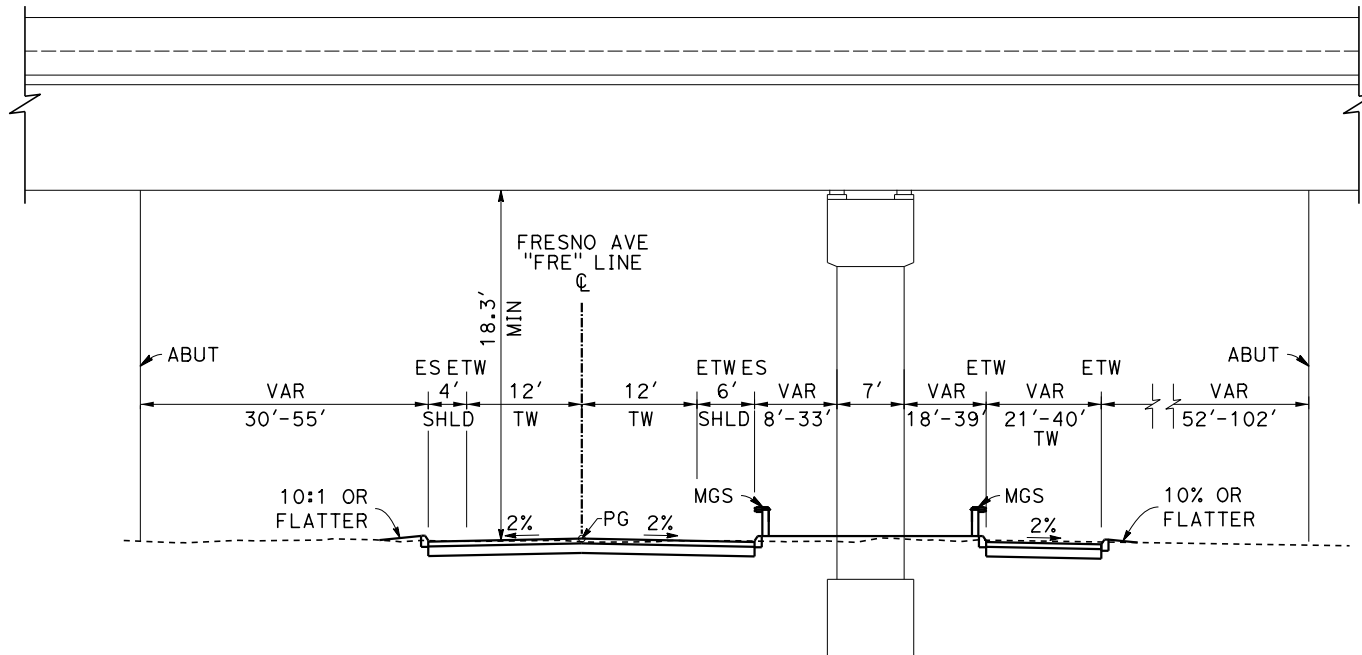
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SUBMISSION**



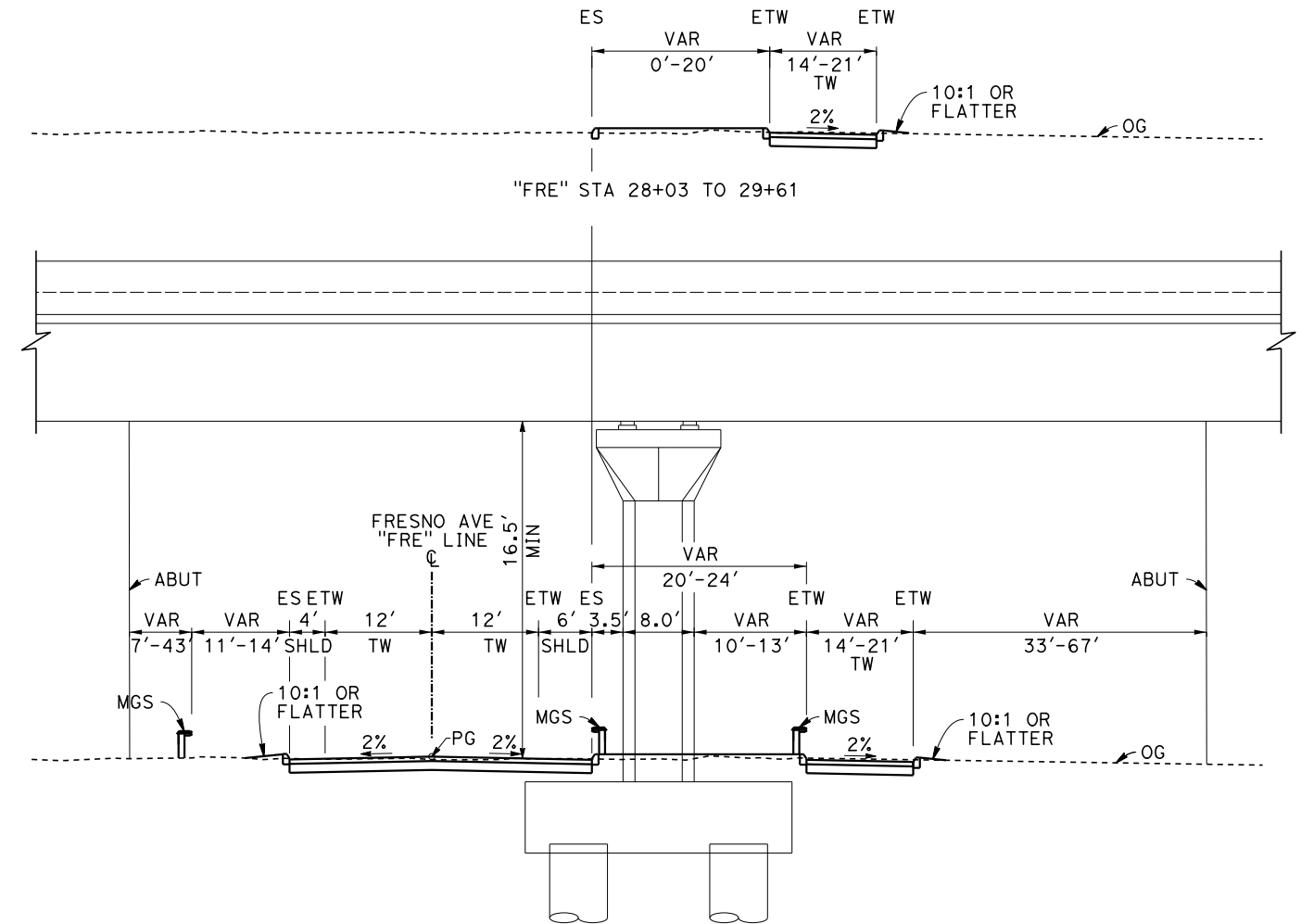
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

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CV-B0009
SCALE
AS SHOWN
SHEET NO.

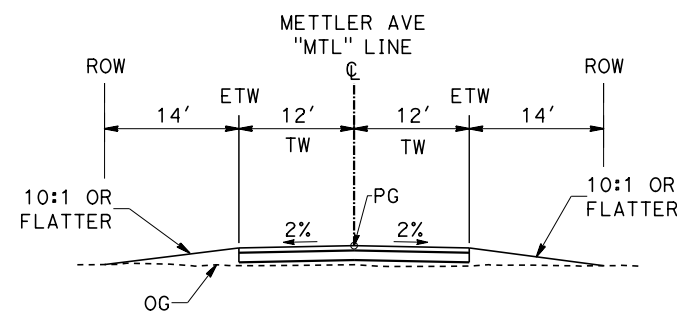
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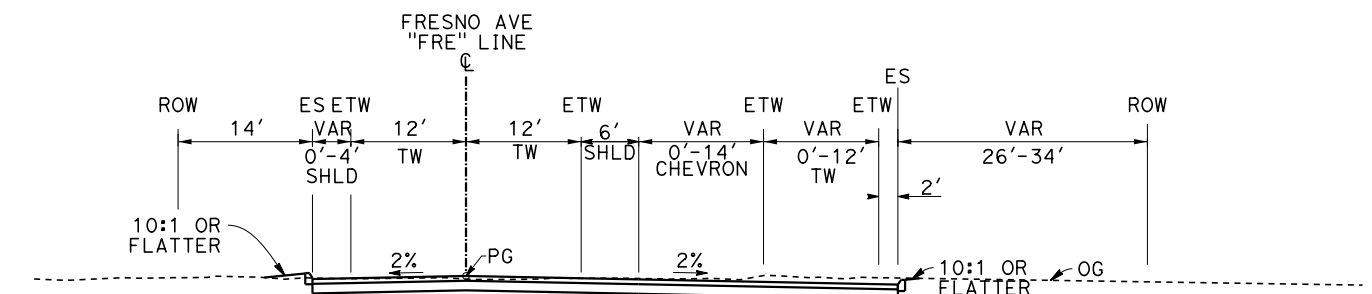
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FRESNO AVE**
"FRE" STA 23+87 TO 26+44
BNSF UNDERPASS



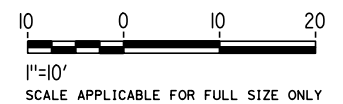
**TYPICAL SECTION
FRESNO AVE**
"FRE" STA 24+04 TO 28+03
HSR UNDERPASS
YARD LEAD UNDERPASS



**TYPICAL SECTION
METTLER AVE**
"MTL" STA 10+00 TO 20+17



**TYPICAL SECTION
FRESNO AVE**
"FRE" STA 29+61 TO 38+11



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R. GONZALEZ
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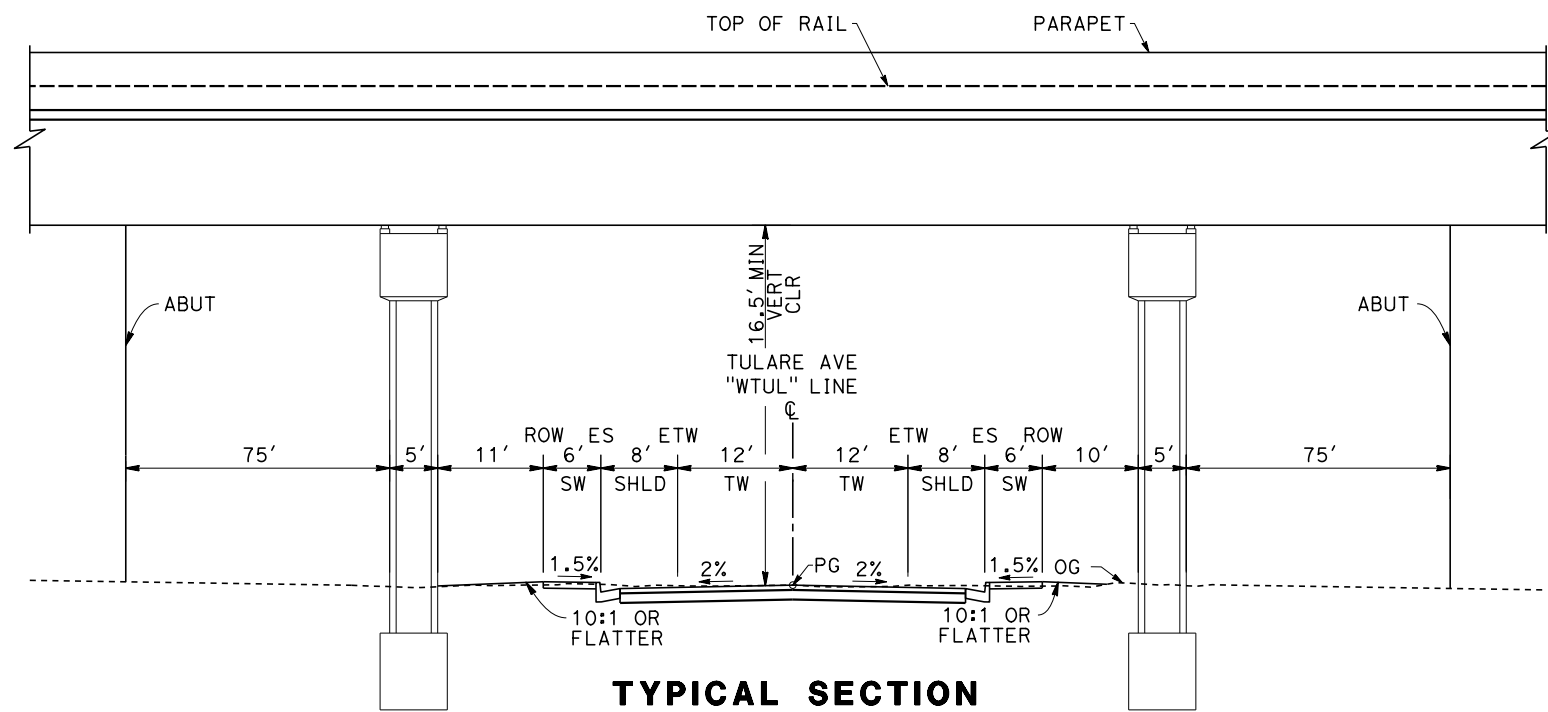
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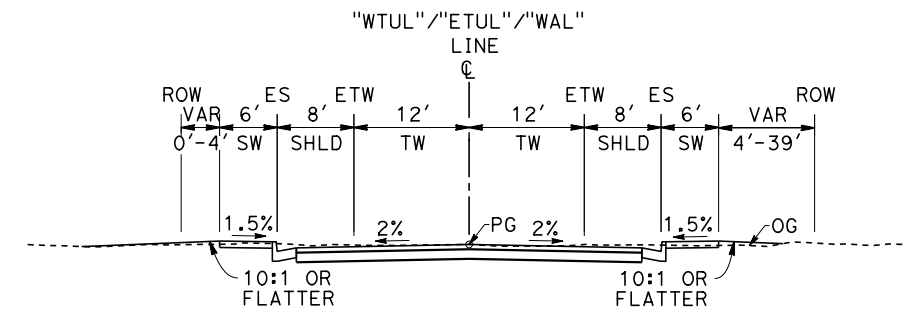
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LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

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DRAWING NO.
CV-B0010
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AS SHOWN
SHEET NO.

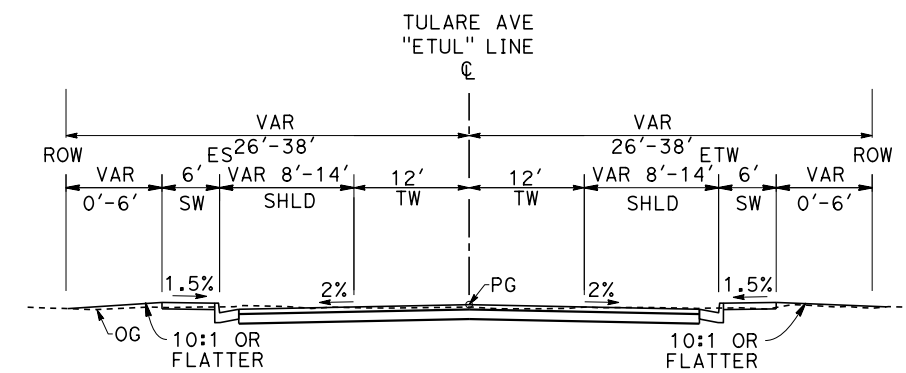
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2. NO TRUCK PARKING UNDER VIADUCTS



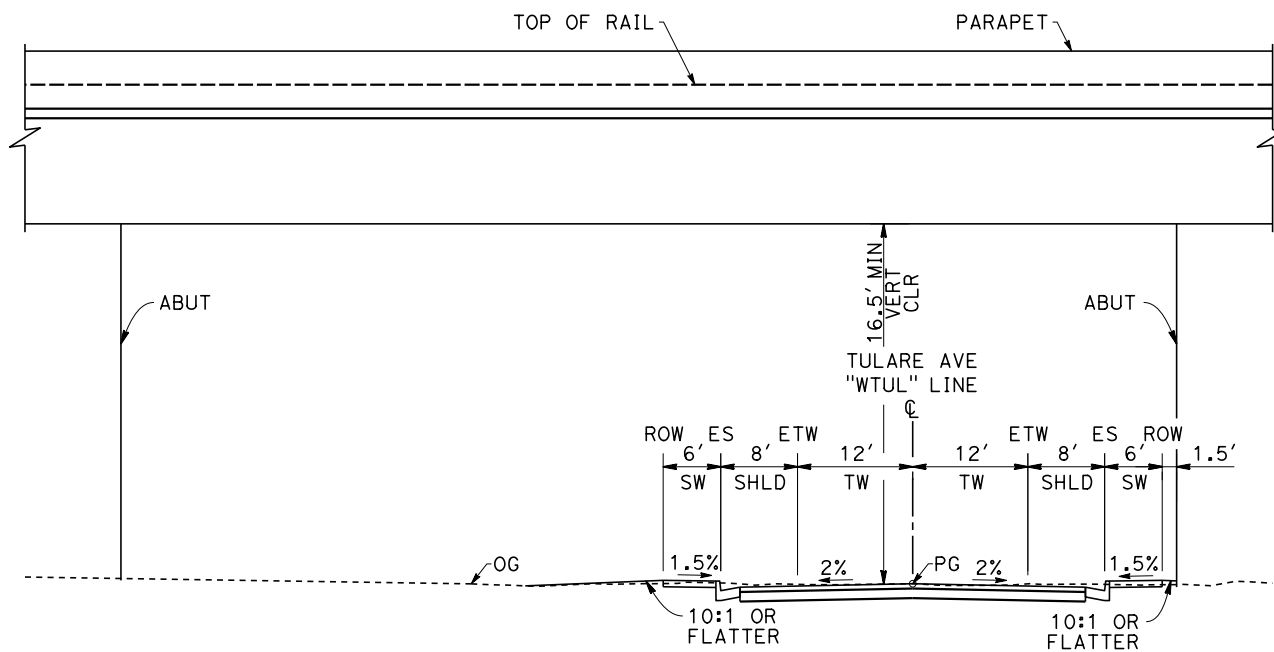
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SHAFTER AVE**
"WTUL" STA 13+81 TO 14+81
HSR UNDERPASS



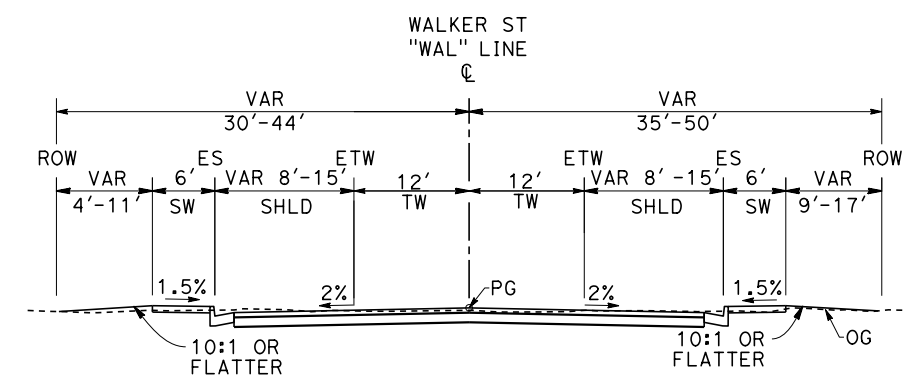
**TYPICAL SECTION
SHAFTER AVE/TULARE AVE/WALKER ST**
"WTUL" STA 10+50 TO 12+33
"WTUL" STA 14+81 TO 15+68
"WTUL" STA 16+18 TO 20+18
"ETUL" STA 10+46 TO 17+37
"WAL" STA 10+00 TO 11+63



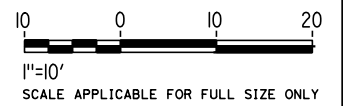
**TYPICAL SECTION
TULARE AVE**
"ETUL" STA 17+37 TO 18+77



**TYPICAL SECTION
SHAFTER AVE**
"WTUL" STA 15+68 TO 16+18
BNSF UNDERPASS



**TYPICAL SECTION
WALKER ST**
"WAL" STA 11+63 TO 13+23



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IN CHARGE
S. OLLO
DATE
10/28/2016

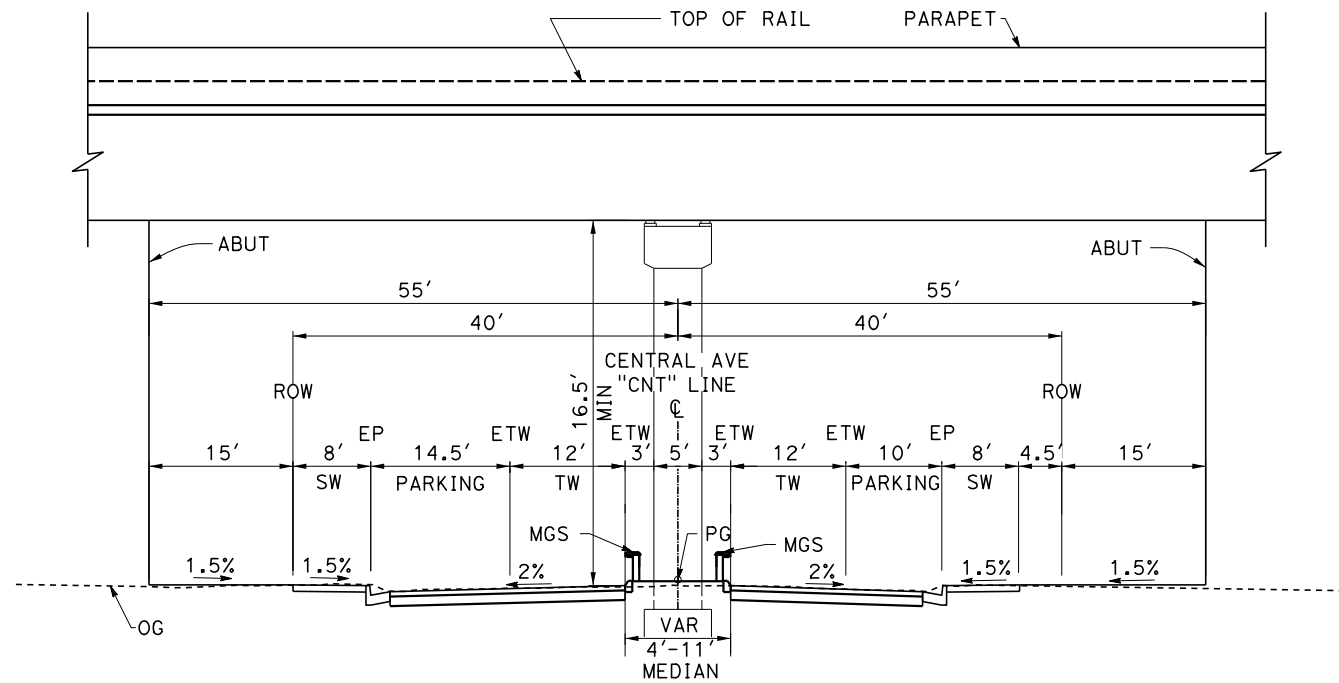
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SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

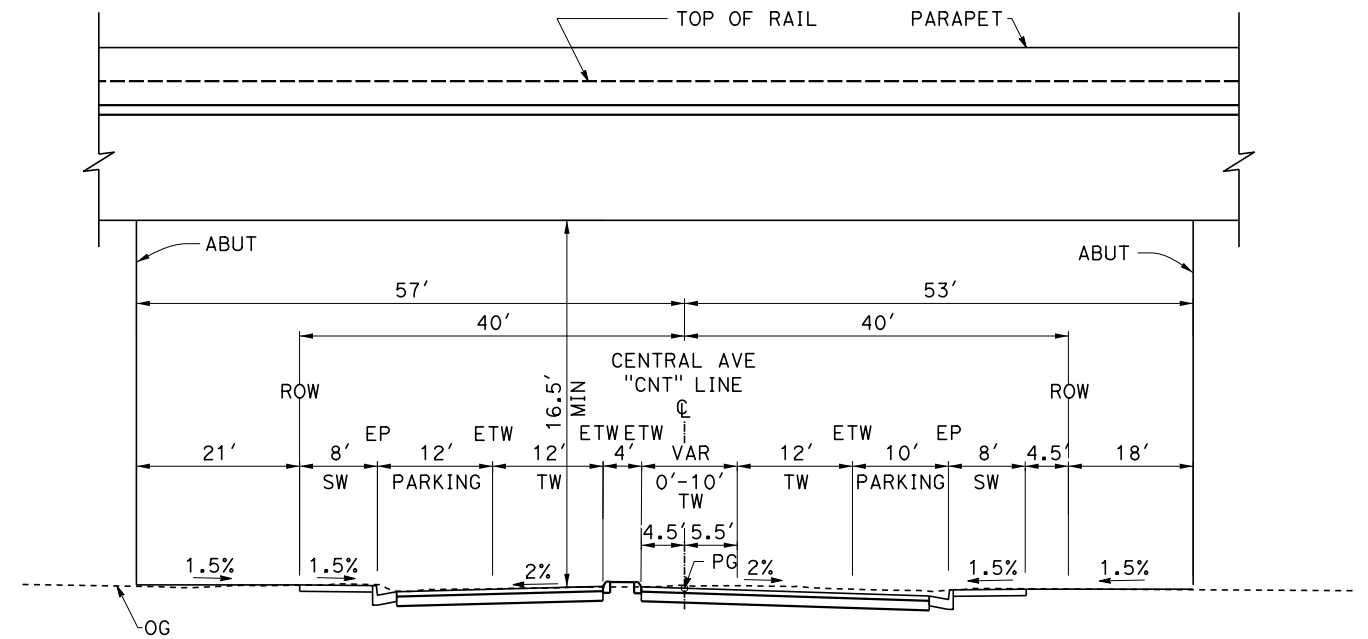
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SCALE
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SHEET NO.

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 2. NO TRUCK PARKING UNDER VIADUCTS



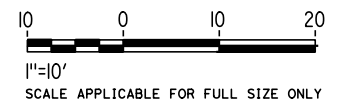
**TYPICAL SECTION
CENTRAL AVE**

"CNT" STA 11+00 TO 13+64
BNSF UNDERPASS



**TYPICAL SECTION
CENTRAL AVE**

"CNT" STA 13+64 TO 14+86
HSR UNDERPASS



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R. GONZALEZ
 IN CHARGE
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10/28/2016

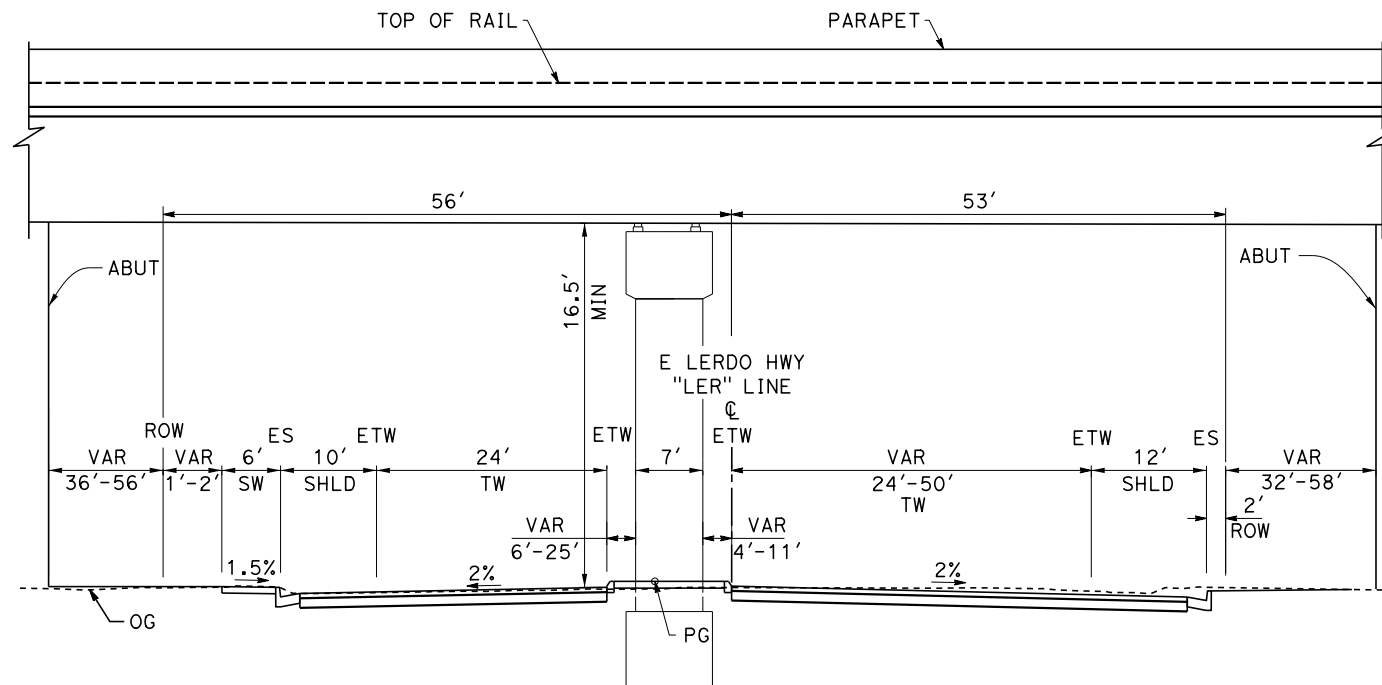
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SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY / GRADE SEPARATION
 TYPICAL SECTIONS

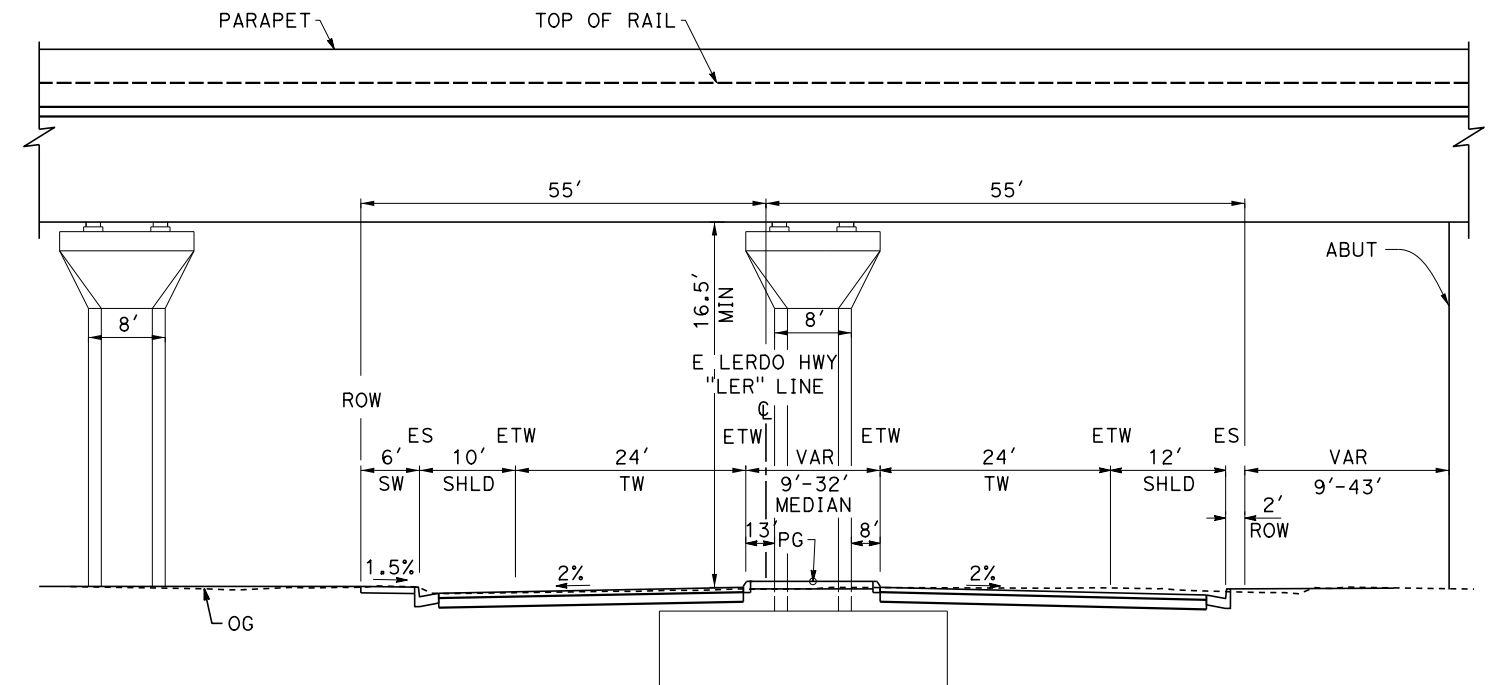
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CV-B0012
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- NOTE: 1. VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS.
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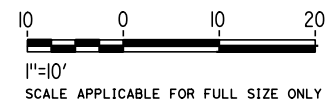
**TYPICAL SECTION
 E LERDO HWY**

"LER" STA 13+86 TO 16+60
 BNSF UNDERPASS



**TYPICAL SECTION
 E LERDO HWY**

"LER" STA 16+60 TO 18+79
 HSR UNDERPASS



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\$PLTDRVS\$

\$PENTBL\$

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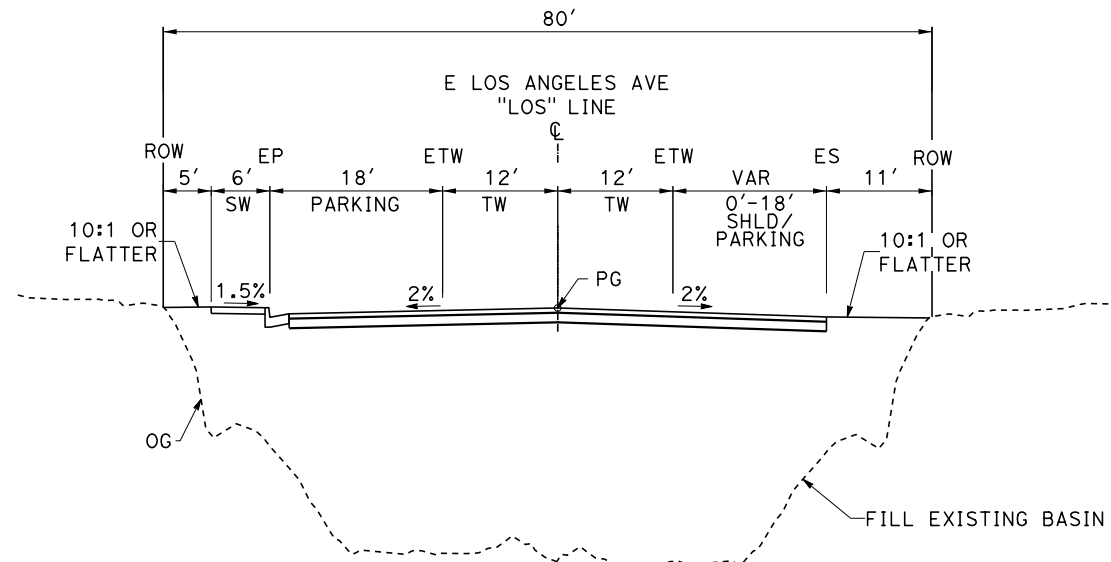
**RECORD SET
 PEPP DESIGN
 SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
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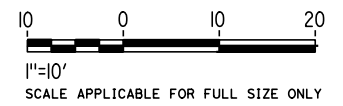
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 SHEET NO.

- NOTE: 1. VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS.
 2. NO TRUCK PARKING UNDER VIADUCTS



**TYPICAL SECTION
E LOS ANGELES AVE**

"LOS" STA 10+00 TO 21+01



Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0014 \$PLTDRVS\$ \$PENTBLS\$ 10/28/2016 2:11:23 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. DRULINER
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

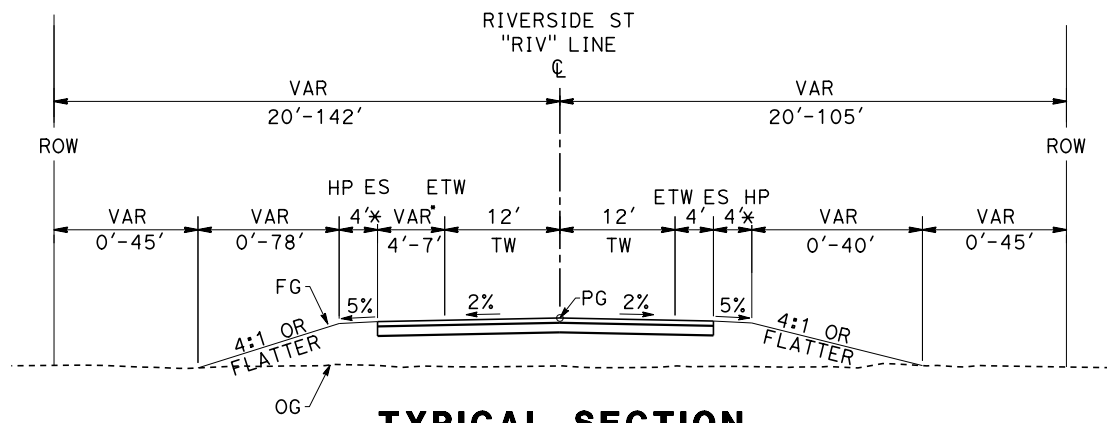
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY / GRADE SEPARATION
 TYPICAL SECTIONS

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

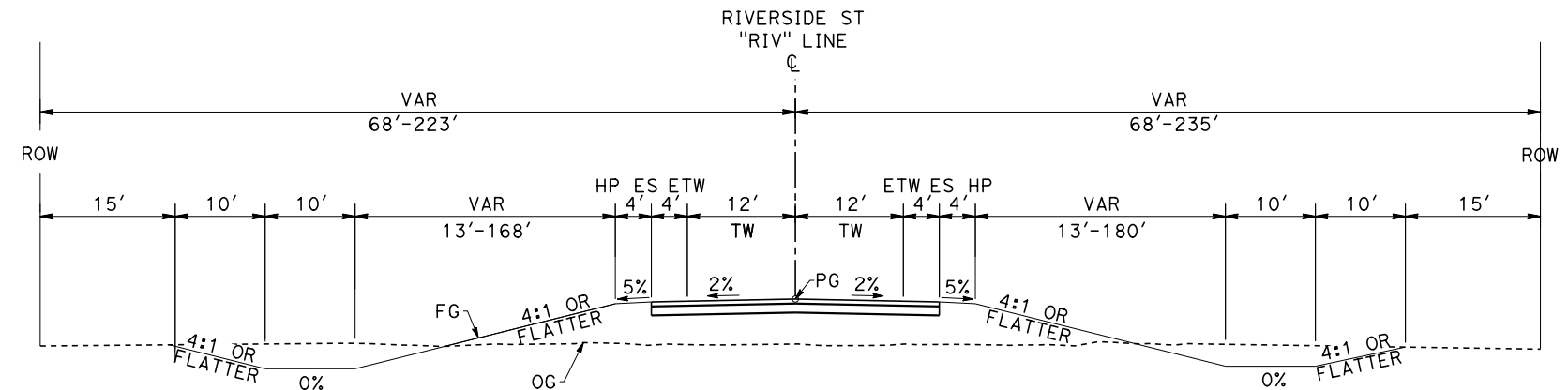
NOTE: 1. VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS.
2. NO TRUCK PARKING UNDER VIADUCTS



**TYPICAL SECTION
RIVERSIDE ST**

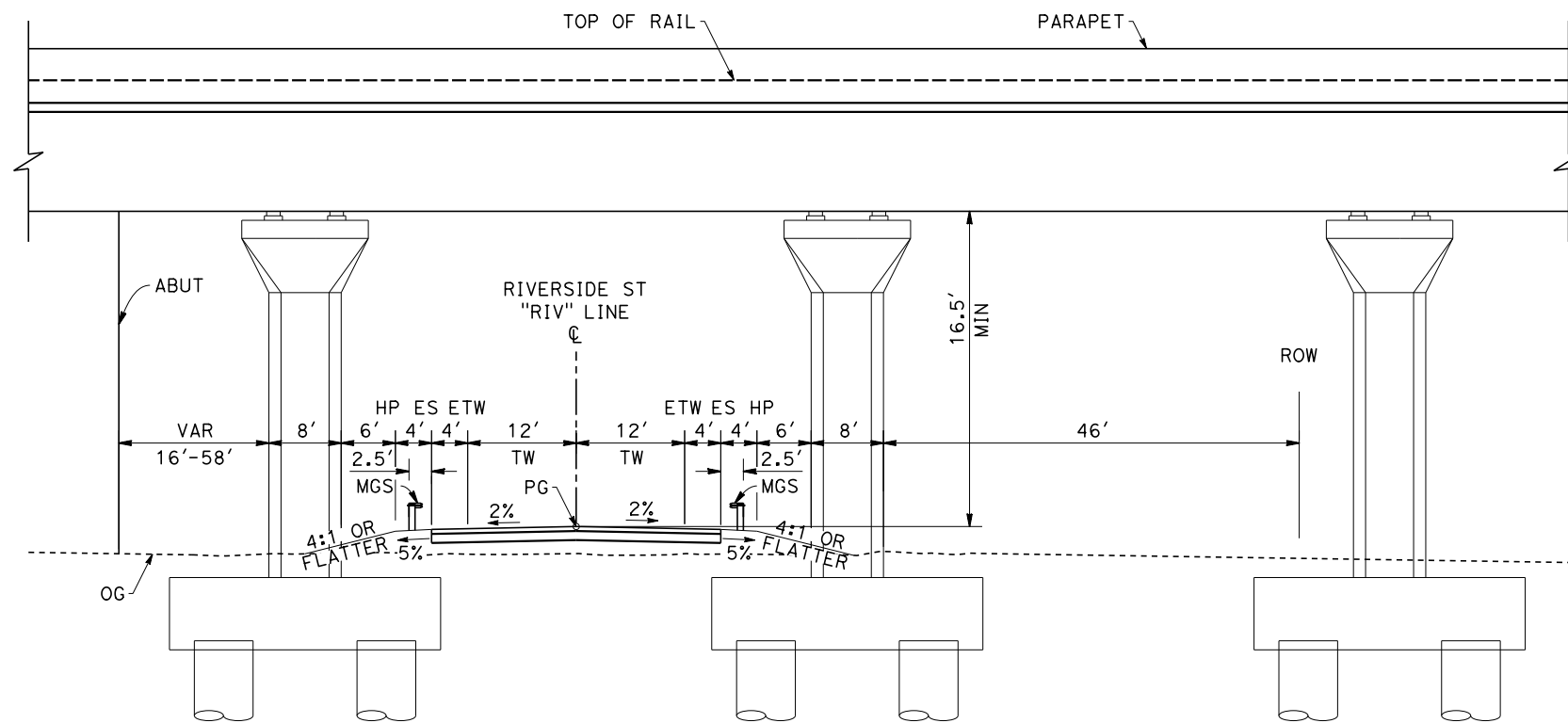
* DIMENSION VARIES FROM 4' TO 7' STARTING 20' BEFORE BEGIN CRASH CUSHION. TYPICAL AT BEGIN AND END OF BRIDGE.

"RIV" STA 0+00 TO 4+00
"RIV" STA 28+00 TO 29+43
"RIV" STA 30+31 TO 34+00



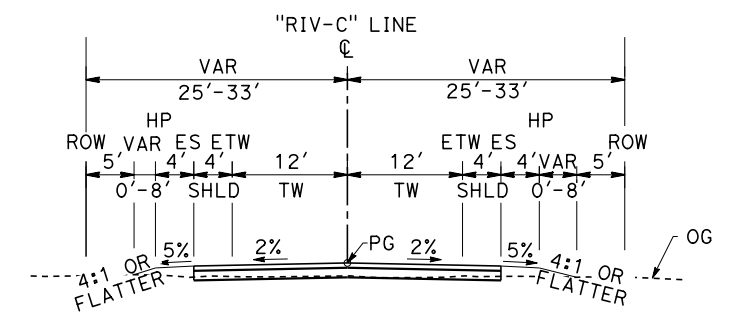
**TYPICAL SECTION
RIVERSIDE ST**

"RIV" STA 4+00 TO 16+95
"RIV" STA 23+50 TO 28+00



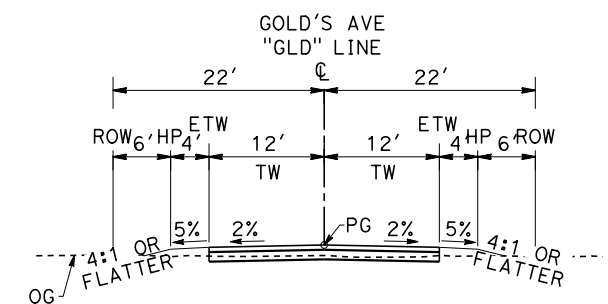
**TYPICAL SECTION
RIVERSIDE ST**

"RIV" STA 29+43 TO 30+31
HSR UNDERPASS



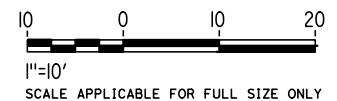
**TYPICAL SECTION
RIVERSIDE CONNECTOR**

"RIV-C" STA 0+00 TO 14+12



**TYPICAL SECTION
GOLD'S AVENUE**

"GLD" STA 10+12 TO 23+00



Projects\701206.N.BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0015 \$PLTDRVS\$ \$PENTBLS\$ 10/28/2016 2:11:35 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

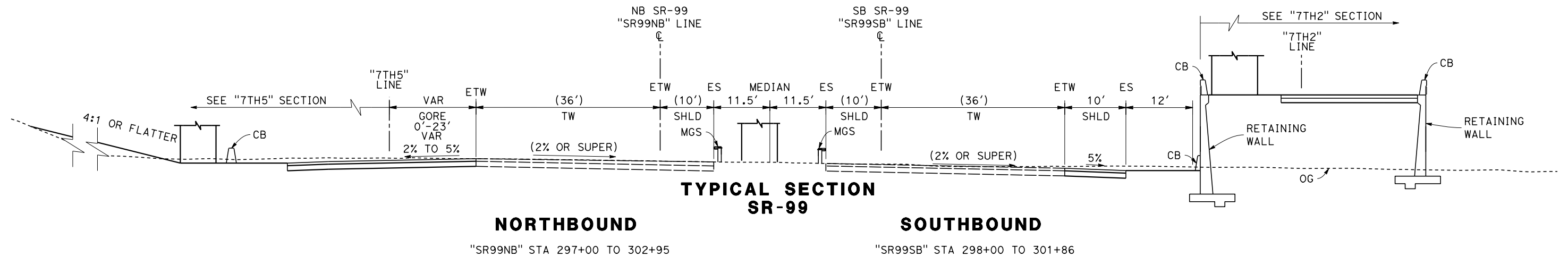
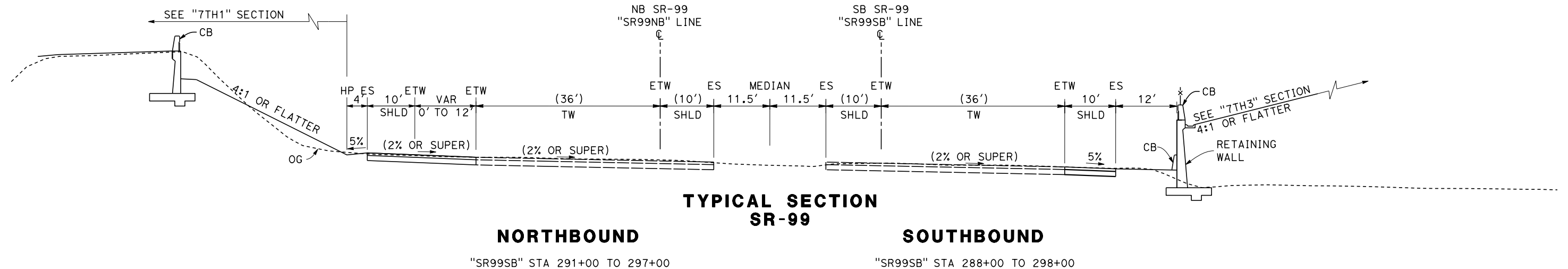
**RECORD SET
PEPD DESIGN
SUBMISSION**



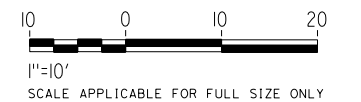
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

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

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



- "7TH" 7TH STANDARD ROAD
- "7TH1" NB SR-99 ON-RAMP
- "7TH2" SB SR-99 LOOP ON-RAMP
- "7TH3" SB SR-99 OFF-RAMP
- "7TH4" SB SR-99 ON-RAMP
- "7TH5" NB SR-99 LOOP ON-RAMP
- "7TH6" NB SR-99 OFF-RAMP



Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0016

\$PLTDRYS\$

\$PENTBL\$

11/5/2016 2:20:03 PM

TYLIN\SO10

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

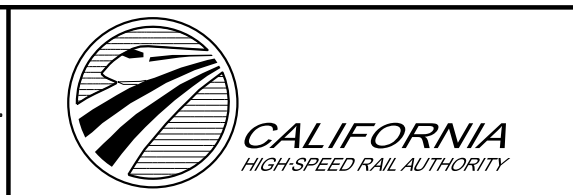
DRAWN BY
P. DRULINER

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

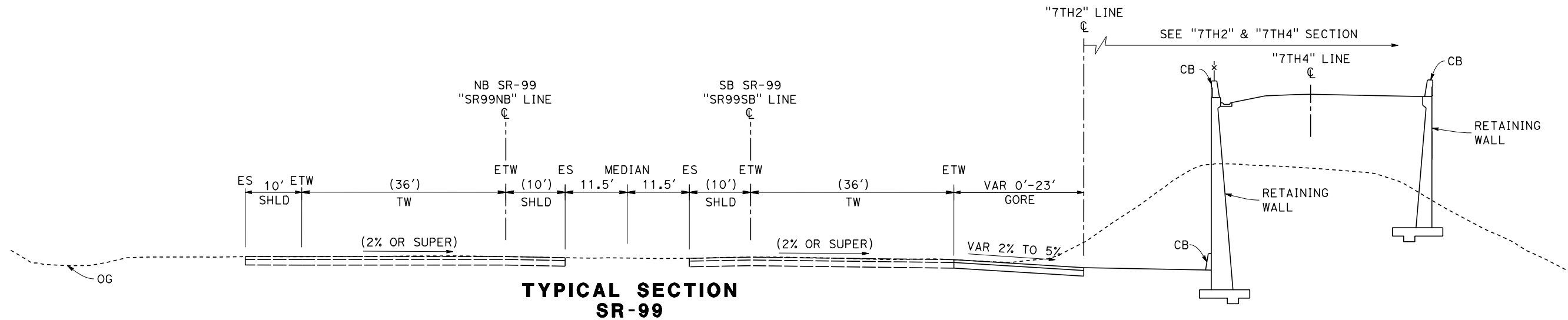
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-B0016

SCALE
AS SHOWN

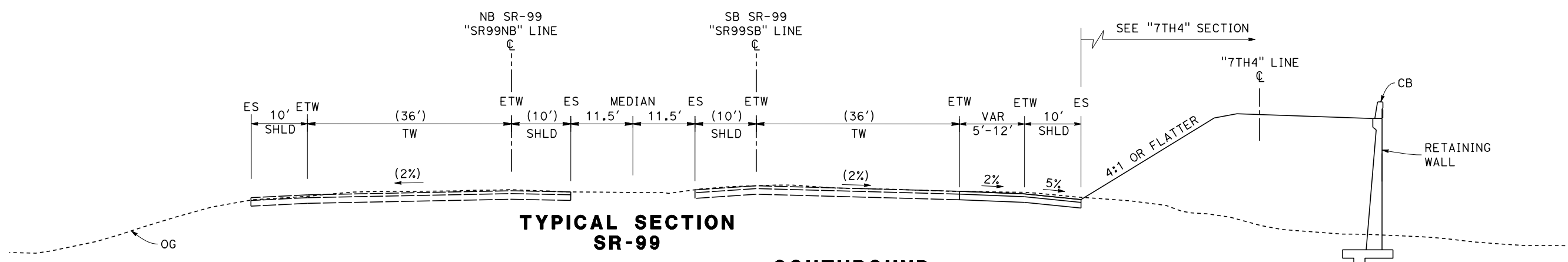
SHEET NO.

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



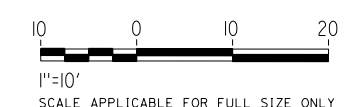
**TYPICAL SECTION
SR-99**

SOUTHBOUND
"SR99SB" STA 301+86 TO 308+25



**TYPICAL SECTION
SR-99**

SOUTHBOUND
"SR99SB" STA 308+25 TO 311+79

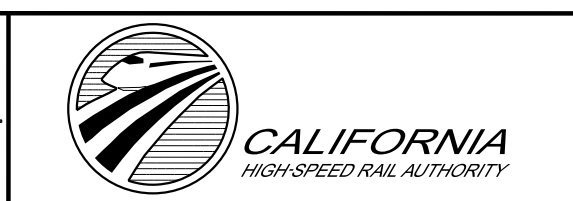


TYLIN\corr\1101028\2016\1028\21:12:54 PM \$PENTBL\$.s\$ \$PLTDRVS\$.s\$ Projects\701206.N.BFSS\00 CADD\Sheet Files\Roadway Sheets\BFSSA-CV-B0017

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

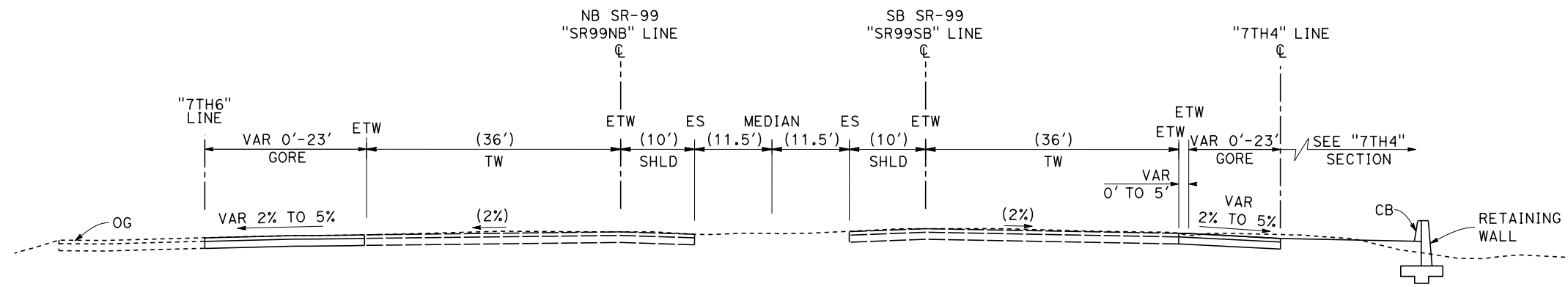
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

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

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



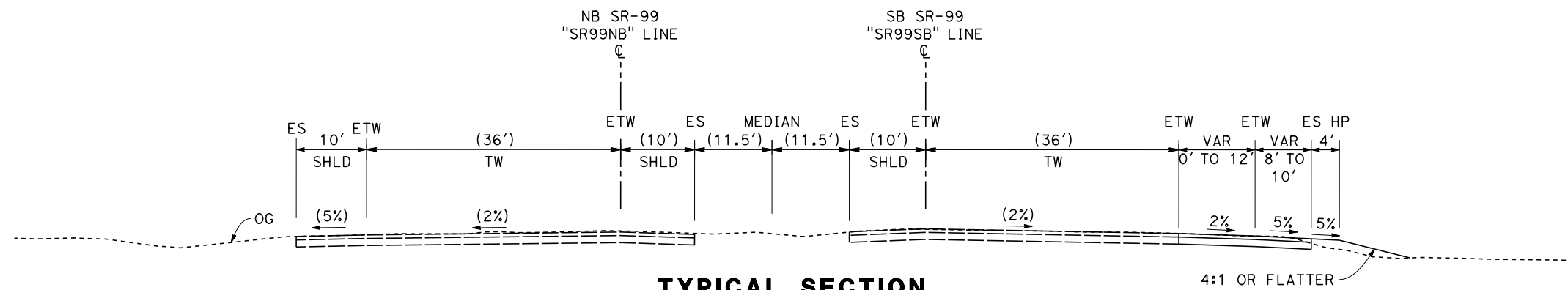
**TYPICAL SECTION
SR-99**

NORTHBOUND

"SR99NB" STA 313+61 TO 316+03

SOUTHBOUND

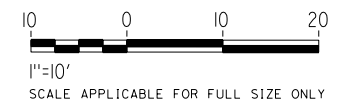
"SR99SB" STA 311+79 TO 318+30



**TYPICAL SECTION
SR-99**

SOUTHBOUND

"SR99SB" STA 318+30 TO 314+30

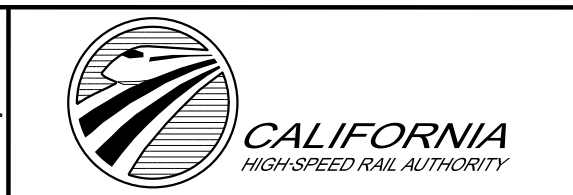


Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0018 \$PLTDRYS\$ \$PENTBLS\$ TYLIN\rcarr\10/28/2016\2:15:13 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

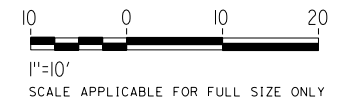
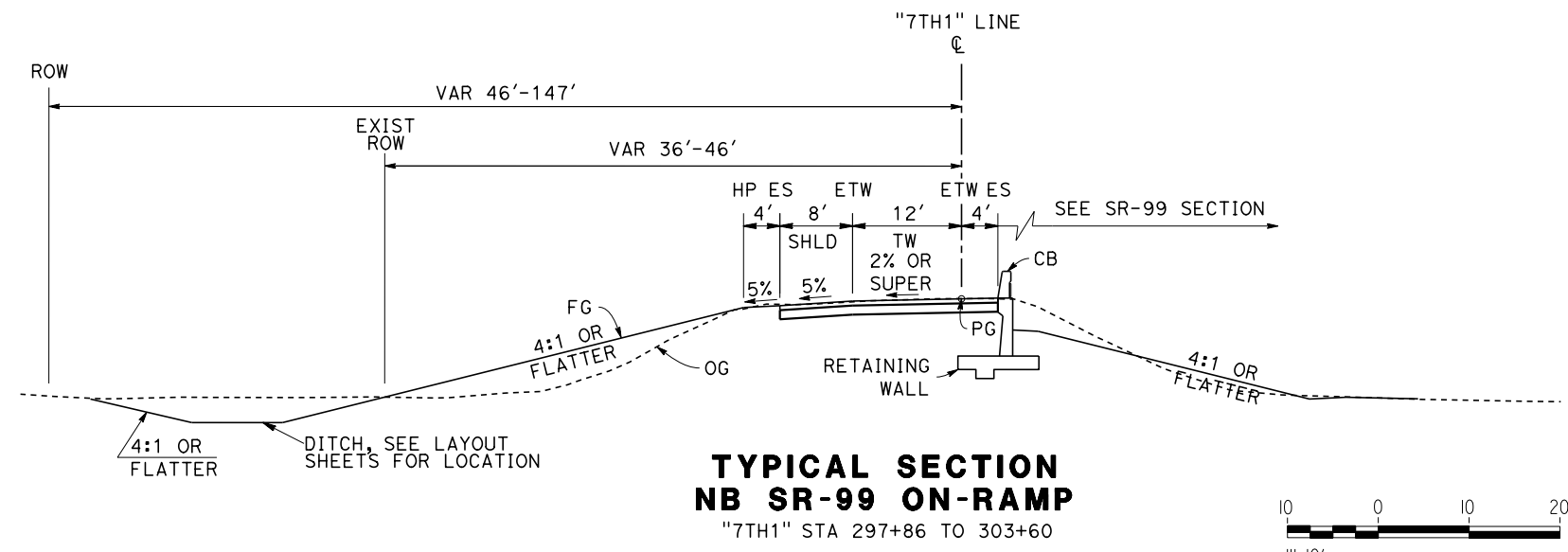
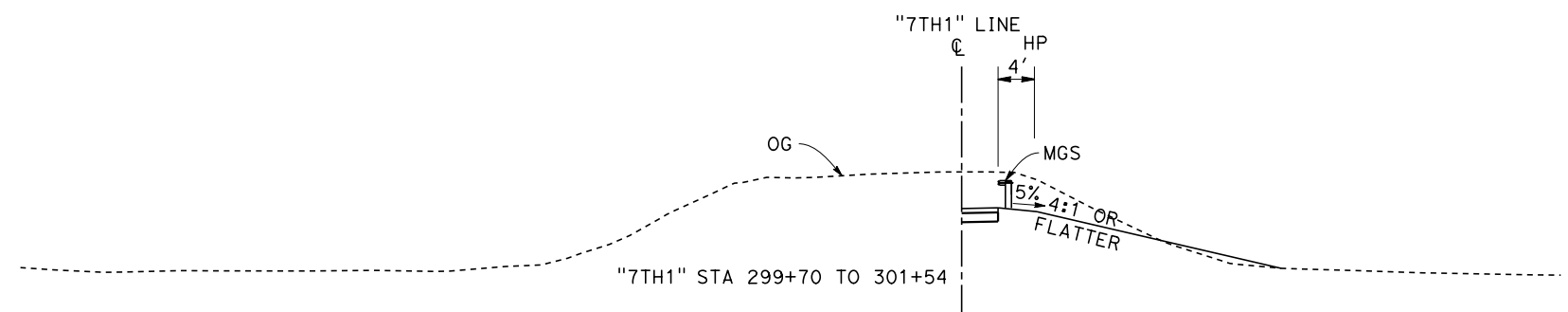
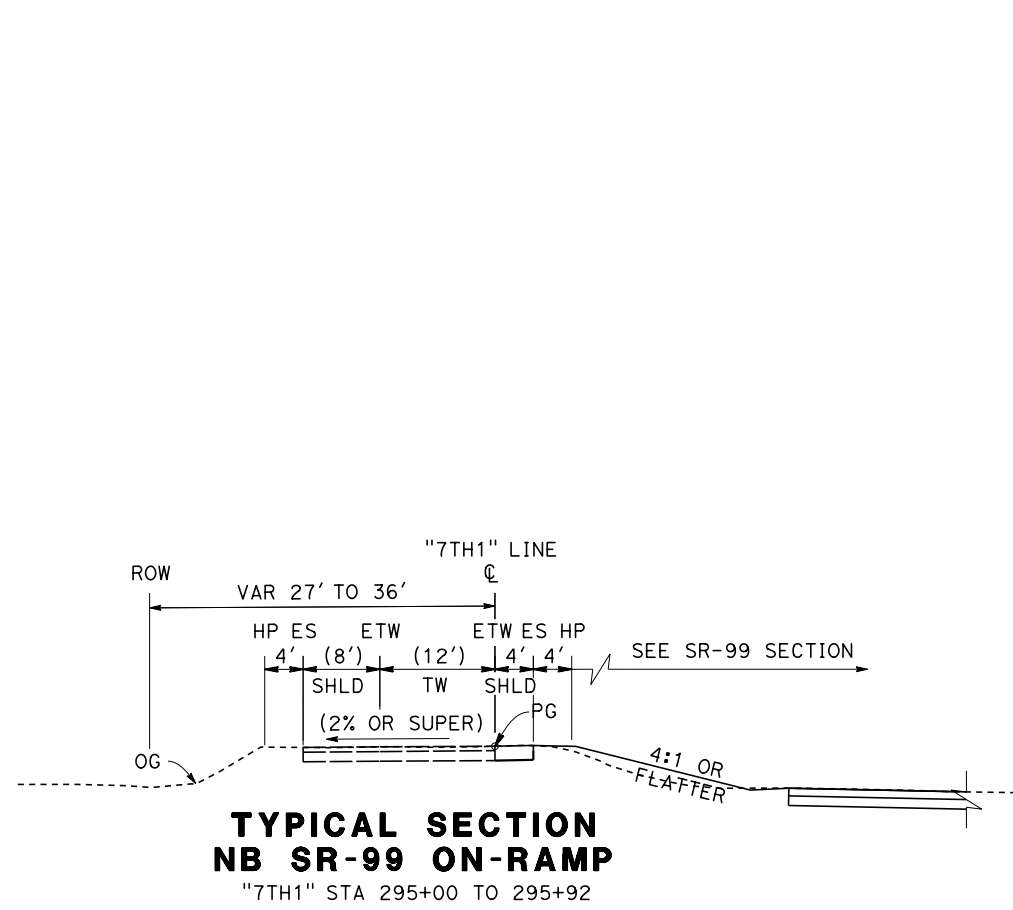
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

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

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0019 \$PLTDRYS\$ \$PENTBL\$S\$ 10/28/2016 2:13:20 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

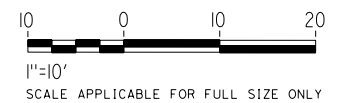
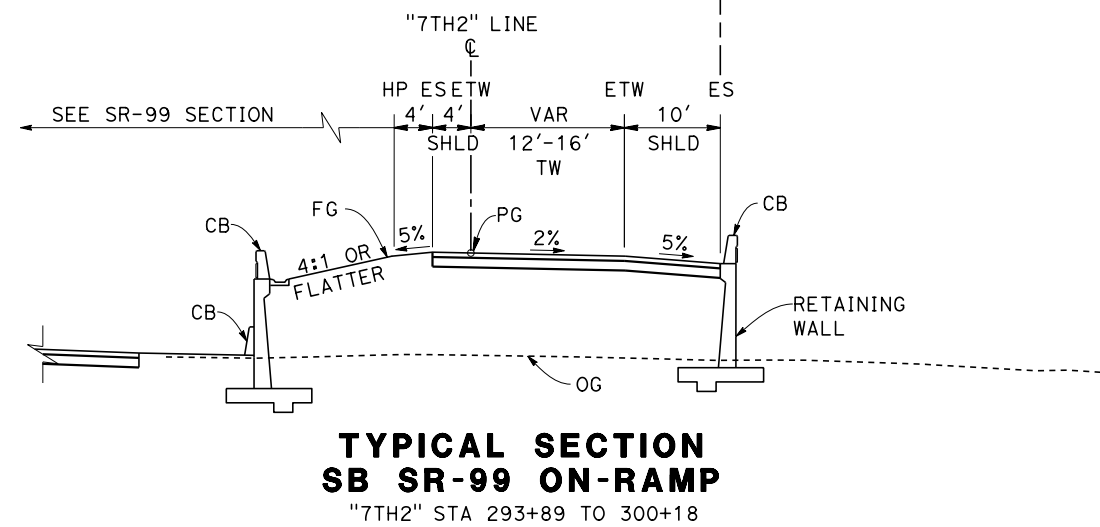
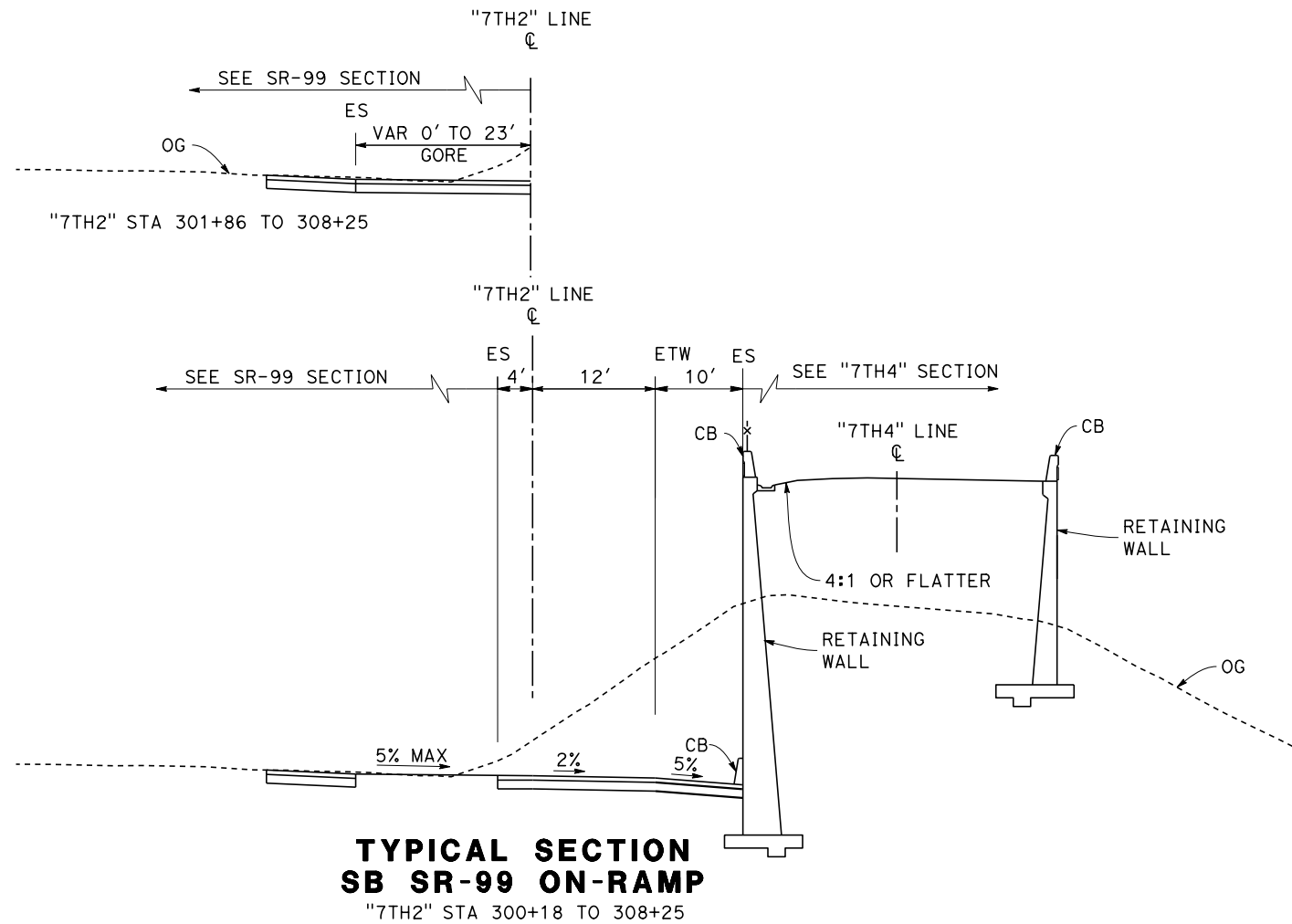
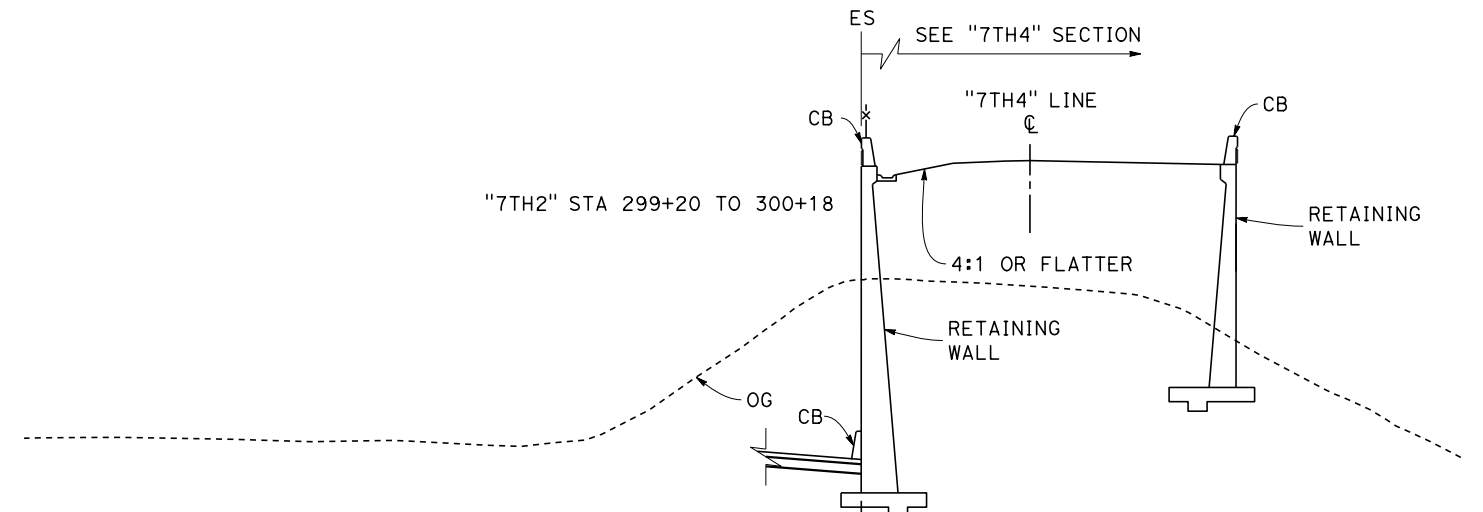
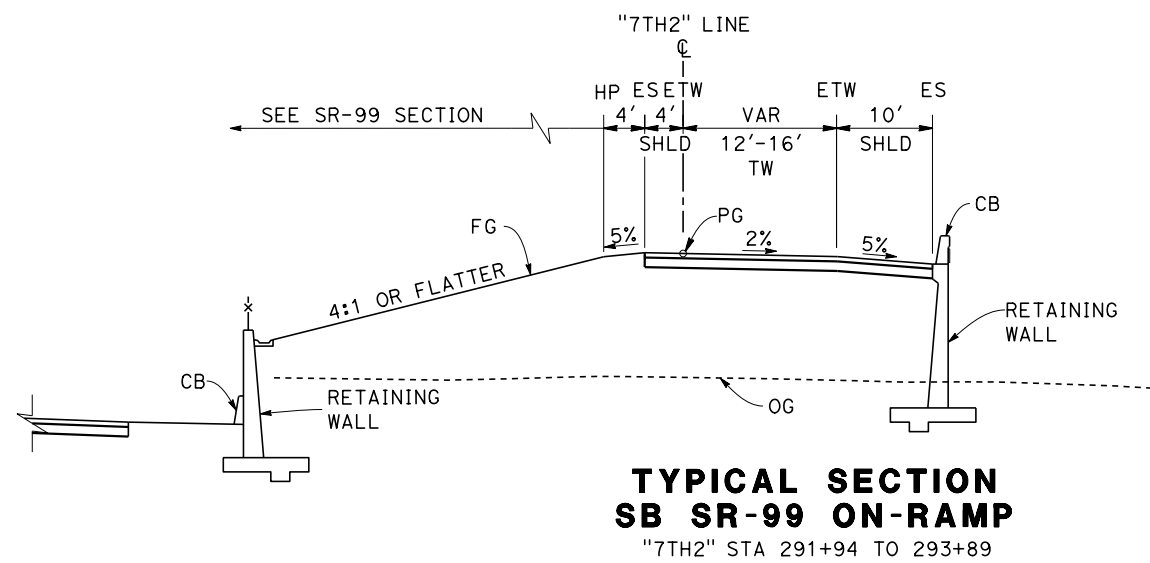
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0019
SCALE
AS SHOWN
SHEET NO.

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS

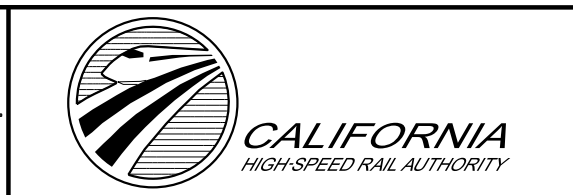


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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

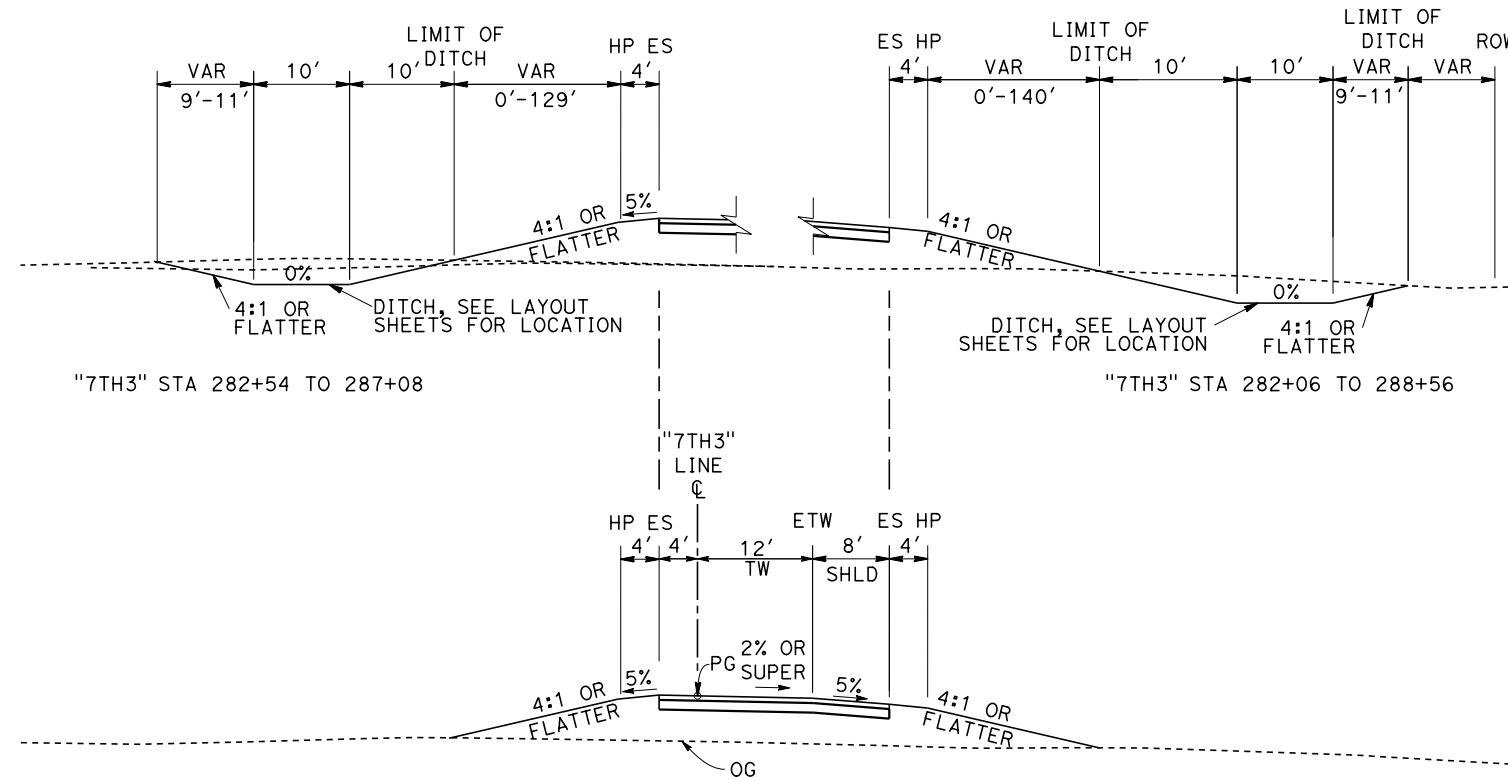
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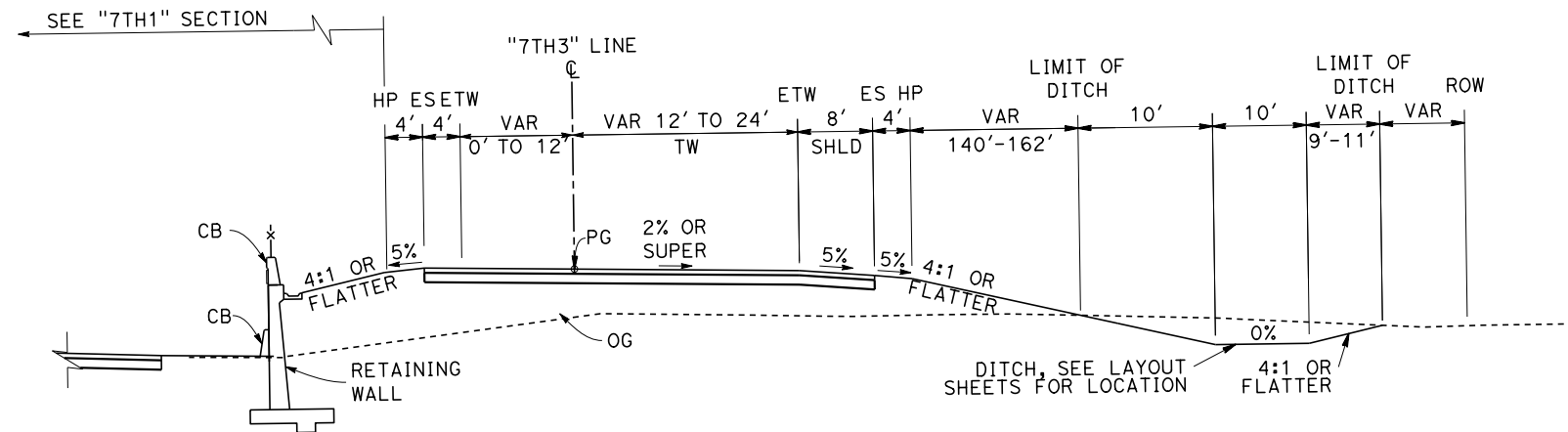
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
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DRAWING NO.
CV-B0020
SCALE
AS SHOWN
SHEET NO.

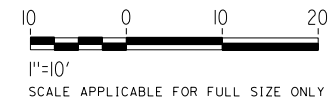
NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



**TYPICAL SECTION
SB SR-99 OFF-RAMP**
"7TH3" STA 275+15 TO 288+56



**TYPICAL SECTION
SB SR-99 OFF-RAMP**
"7TH3" STA 288+56 TO 292+90

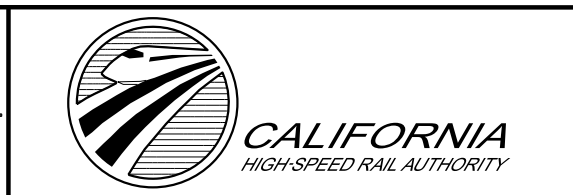


Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0021 \$PLTDRYS\$ \$PENTBLS\$ 11/5/2016 2:20:06 PM TYLIN\SOLO

REV	DATE	BY	CHK	APP	DESCRIPTION

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H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

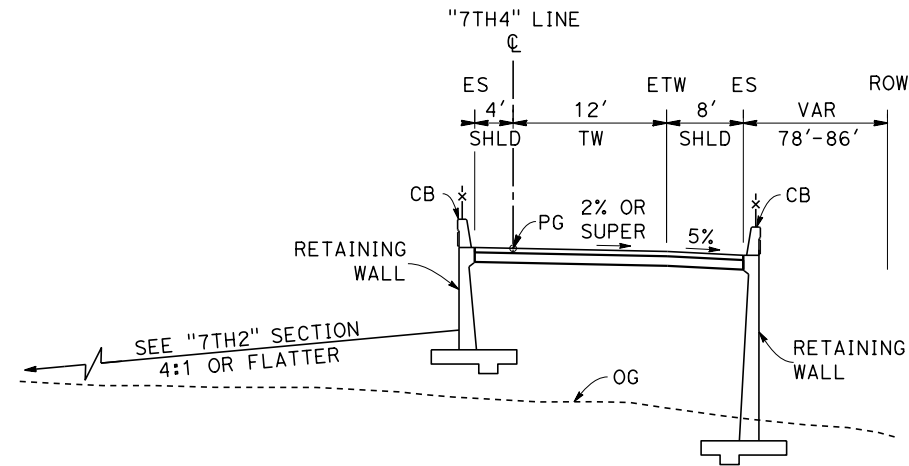
**RECORD SET
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SUBMISSION**



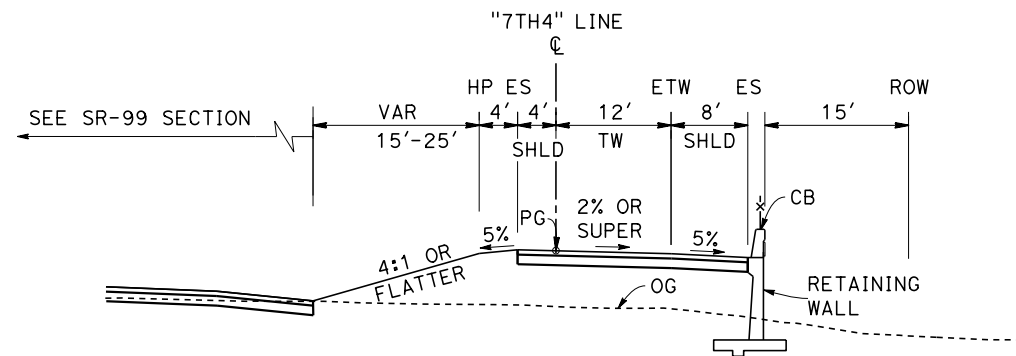
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0021
SCALE
AS SHOWN
SHEET NO.

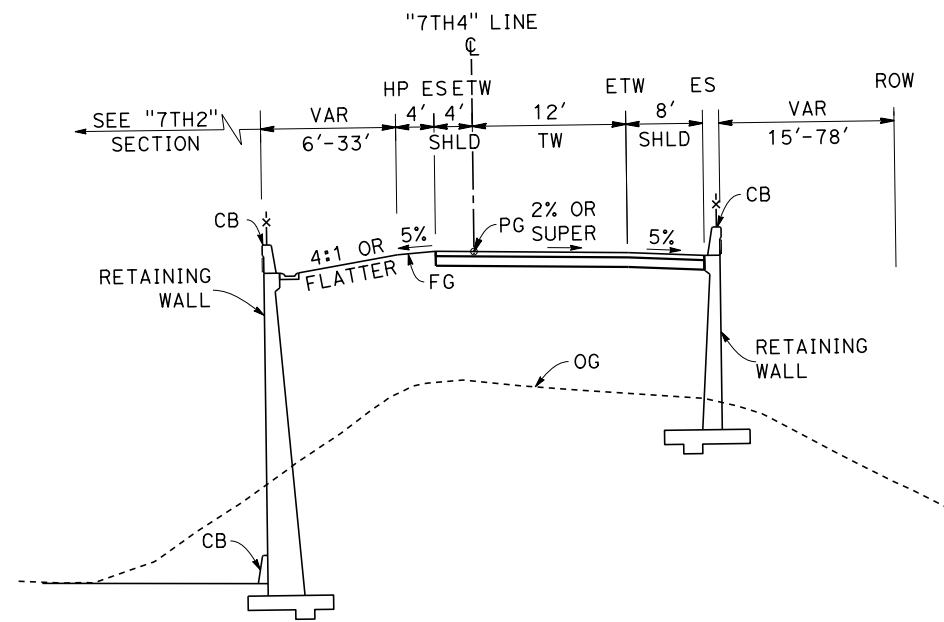
NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



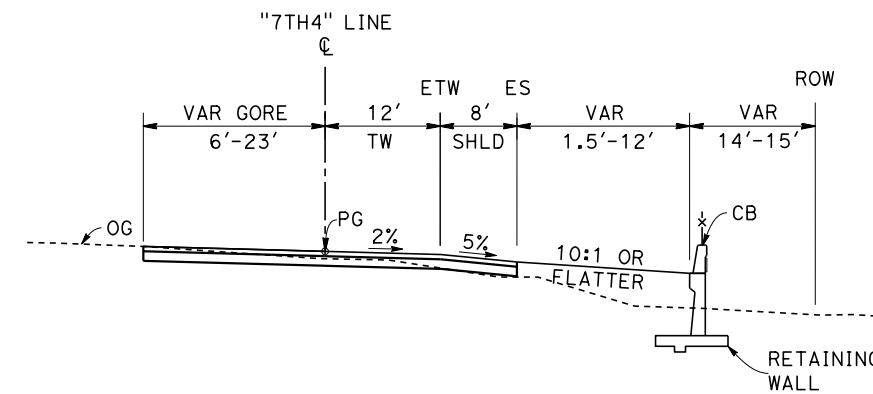
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"7TH4" STA 299+22 TO 299+62



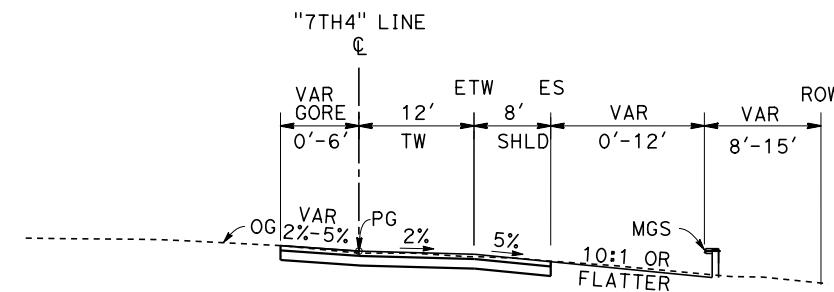
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SB SR-99 ON-RAMP**
"7TH4" STA 308+26 TO 311+79



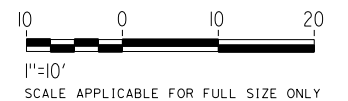
**TYPICAL SECTION
SB SR-99 ON-RAMP**
"7TH4" STA 299+62 TO 308+26



**TYPICAL SECTION
SB SR-99 ON-RAMP**
"7TH4" STA 311+79 TO 315+50



**TYPICAL SECTION
SB SR-99 ON-RAMP**
"7TH4" STA 315+50 TO 318+30

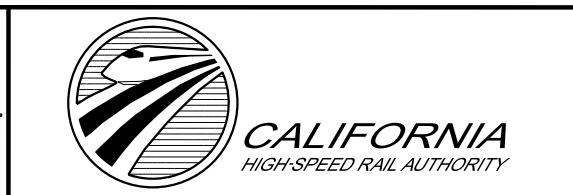


Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0022 \$PLTDRYS\$ \$PENTBL\$ \$ 10/28/2016 2:14:43 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

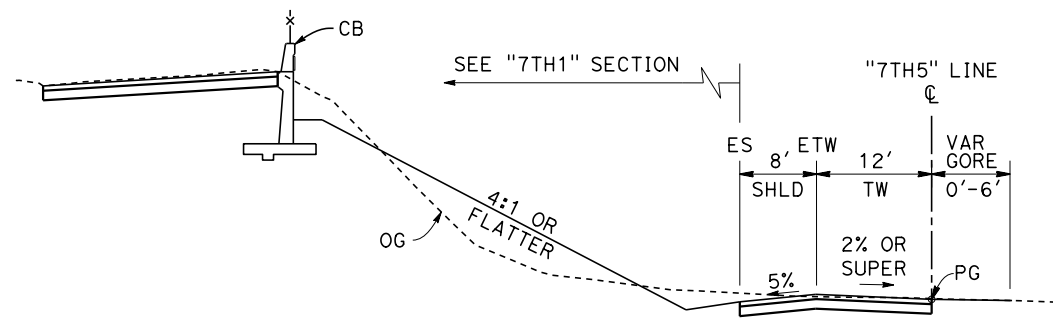
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

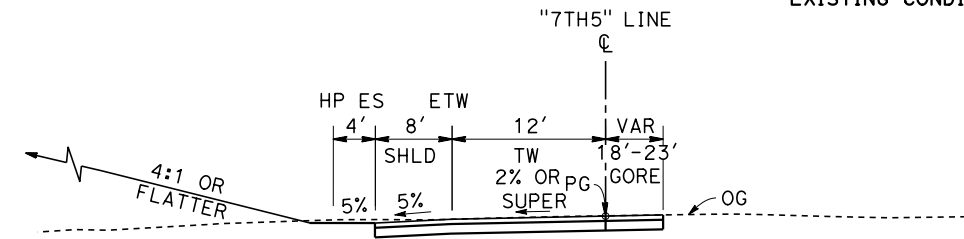
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0022
SCALE
AS SHOWN
SHEET NO.

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



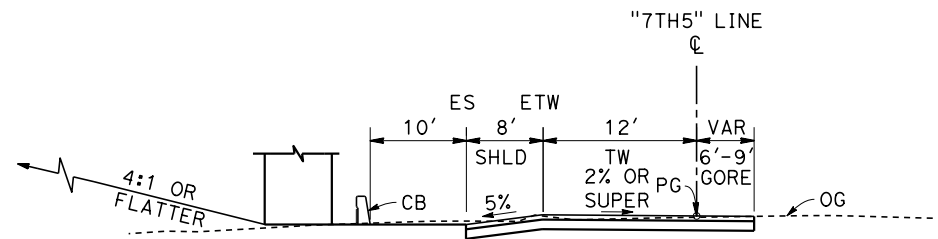
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SB SR-99 ON-RAMP**

"7TH5" STA 297+00 TO 299+72



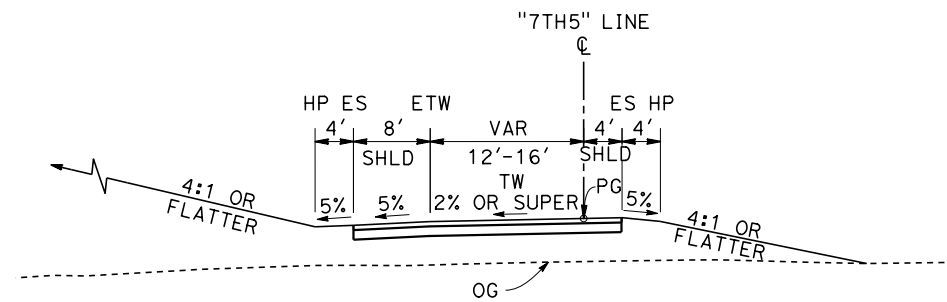
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SB SR-99 ON-RAMP**

"7TH5" STA 302+53 TO 302+99



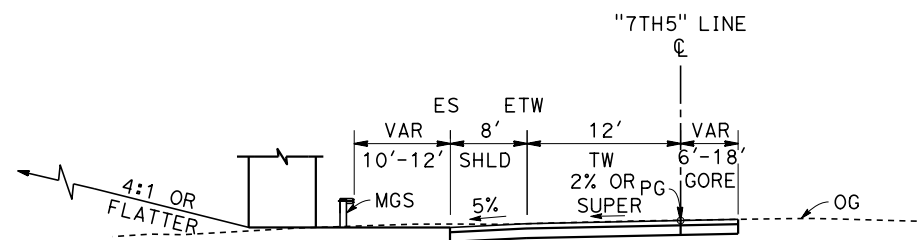
**TYPICAL SECTION
SB SR-99 ON-RAMP**

"7TH5" STA 299+72 TO 301+26



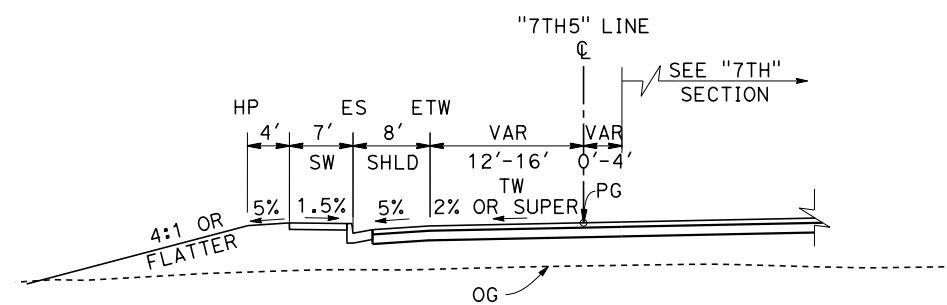
**TYPICAL SECTION
SB SR-99 ON-RAMP**

"7TH5" STA 302+99 TO 310+24



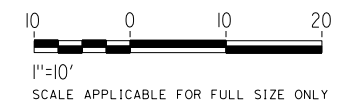
**TYPICAL SECTION
SB SR-99 ON-RAMP**

"7TH5" STA 301+26 TO 302+53



**TYPICAL SECTION
SB SR-99 ON-RAMP**

"7TH5" STA 310+24 TO 312+72



Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0023 \$PLTDRYS\$ \$PENTBLS\$ 11/5/2016 2:20:02 PM TYLIN\SO10

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**

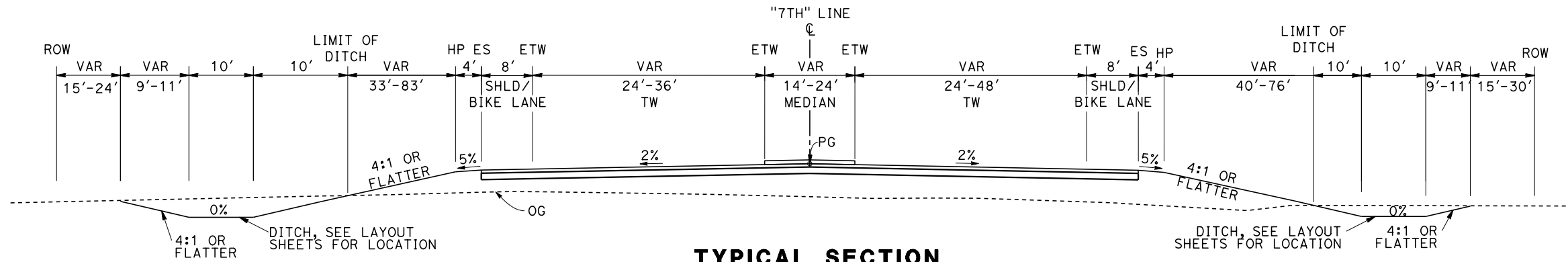
TYLIN INTERNATIONAL



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

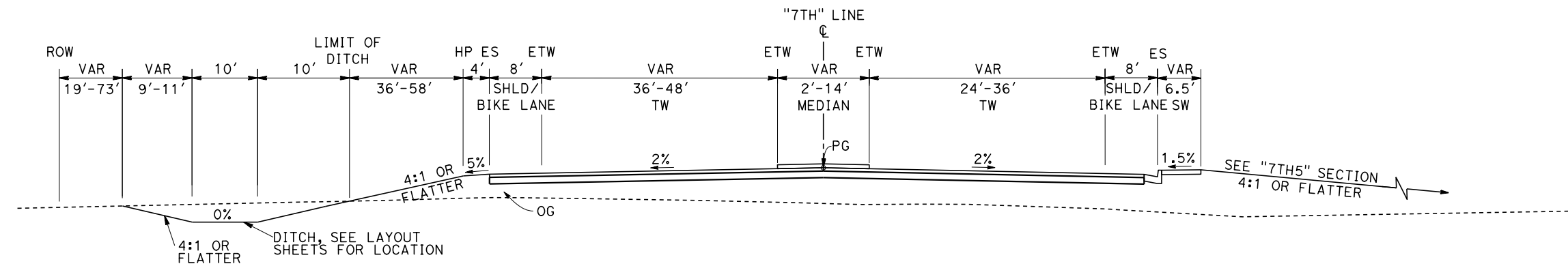
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0023
SCALE
AS SHOWN
SHEET NO.

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



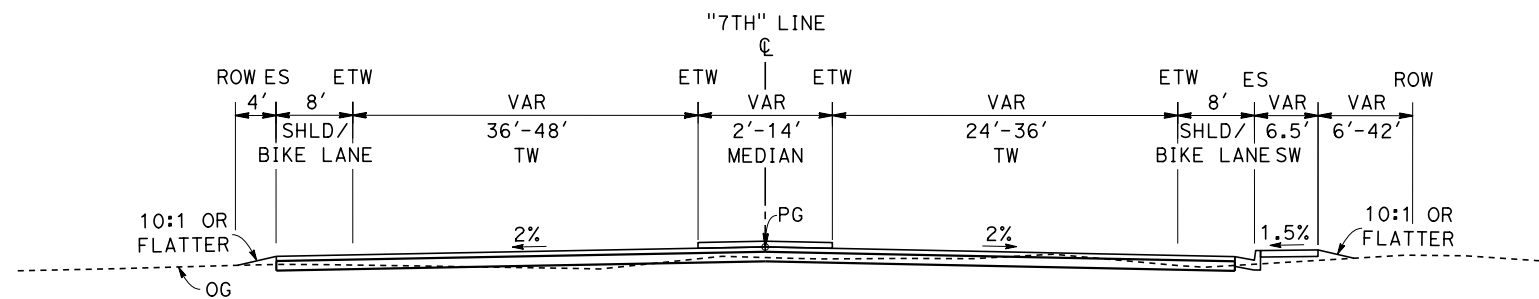
**TYPICAL SECTION
7TH STANDARD RD**

"7TH" STA 94+48 TO 103+55



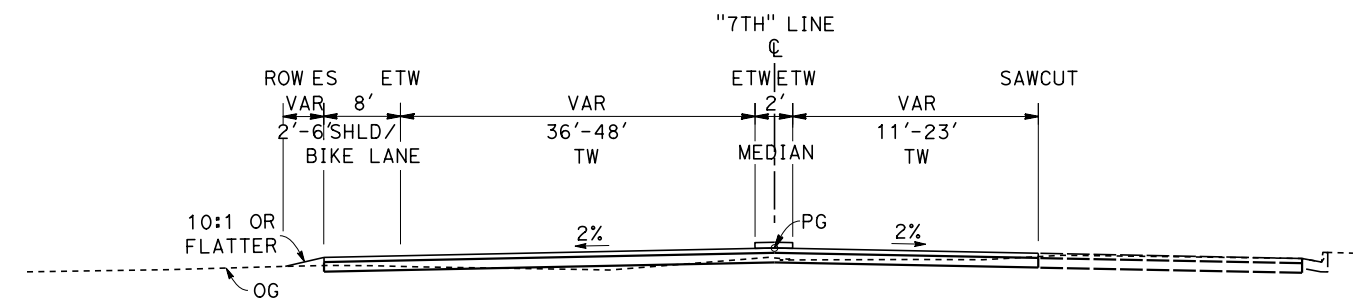
**TYPICAL SECTION
7TH STANDARD RD**

"7TH" STA 128+40 TO 133+55



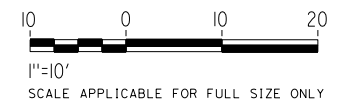
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MERLE HAGGARD DR**

"7TH" STA 133+55 TO 138+06



**TYPICAL SECTION
MERLE HAGGARD DR**

"7TH" STA 138+06 TO 141+16



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\$PLTDRVS\$

\$PENTBLS\$

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

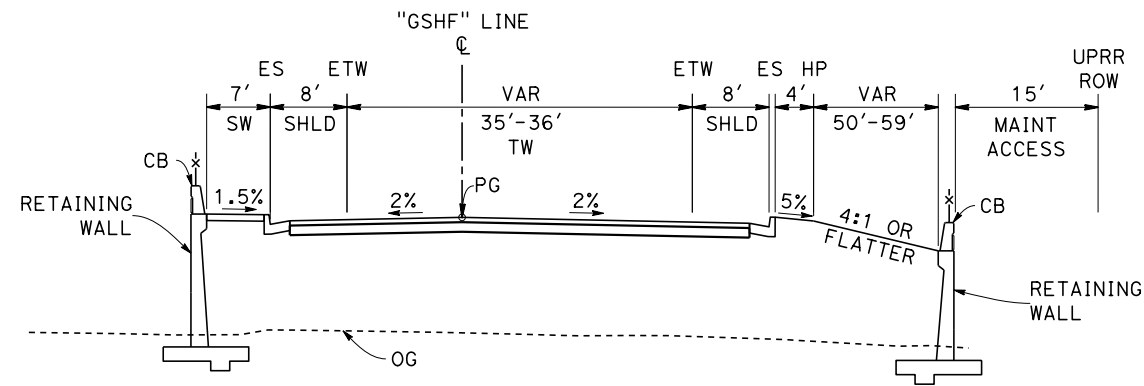
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PEPD DESIGN
SUBMISSION**



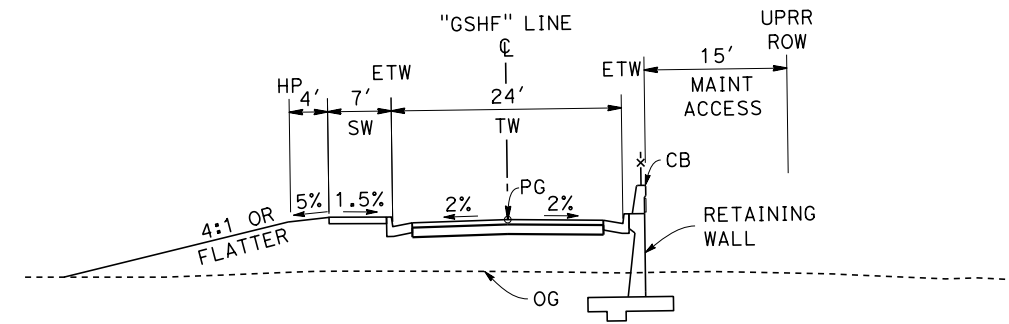
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0024
SCALE
AS SHOWN
SHEET NO.

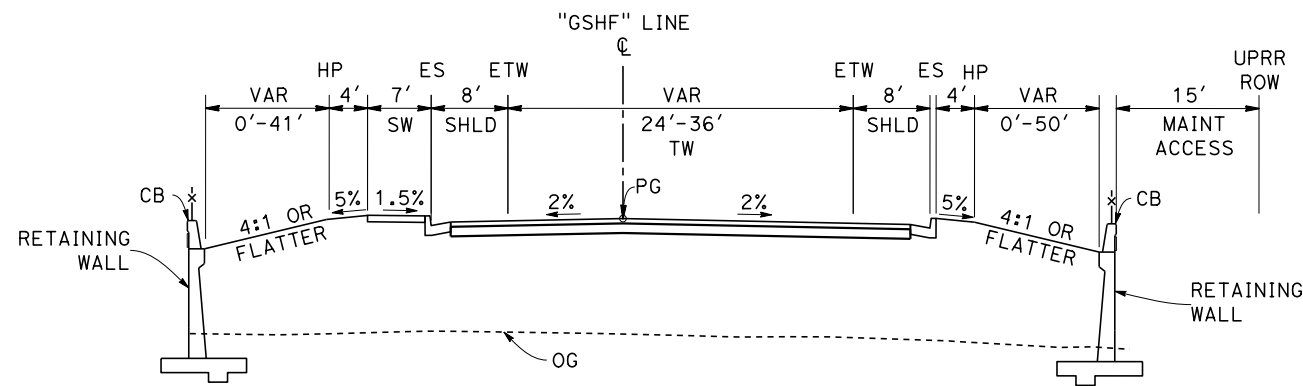
NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



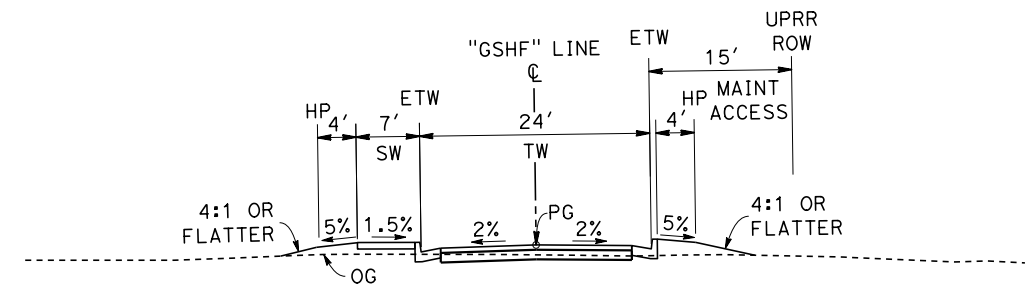
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"GSHF" STA 35+64 TO 36+56



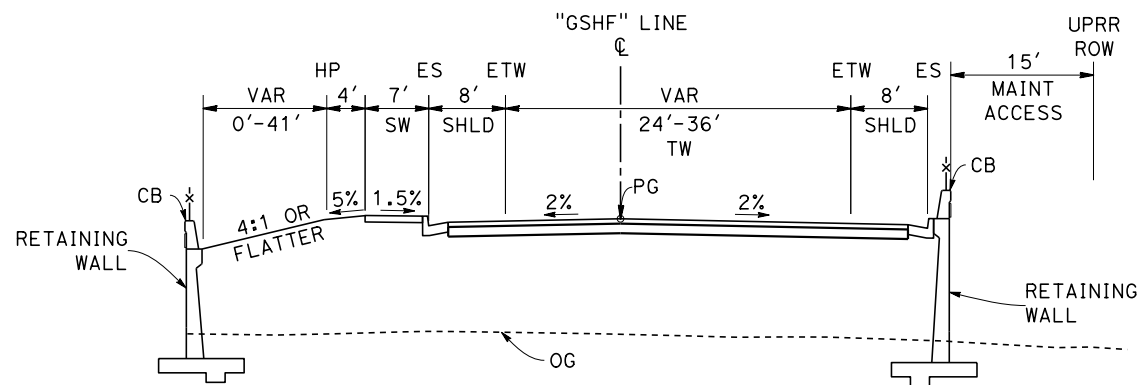
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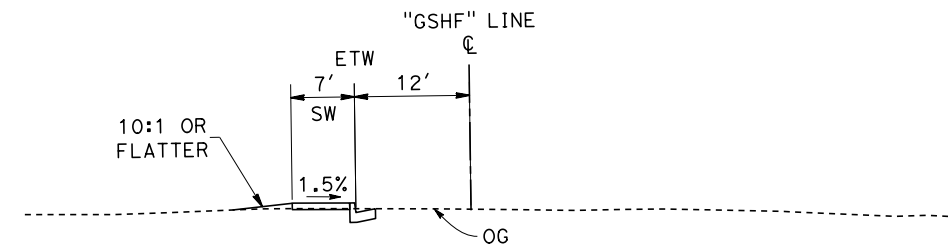
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"GSHF" STA 36+56 TO 38+05



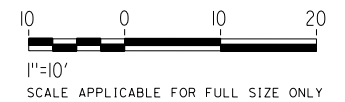
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GOLDEN STATE HIGHWAY FRONTAGE**
"GSHF" STA 48+85 TO 50+37



**TYPICAL SECTION
GOLDEN STATE HIGHWAY FRONTAGE**
"GSHF" STA 38+05 TO 45+81



**TYPICAL SECTION
GOLDEN STATE HIGHWAY FRONTAGE**
"GSHF" STA 50+37 TO 55+00

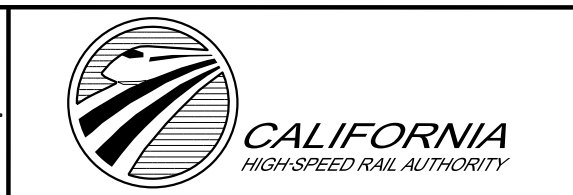


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H. PARK
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P. DRULINER
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R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

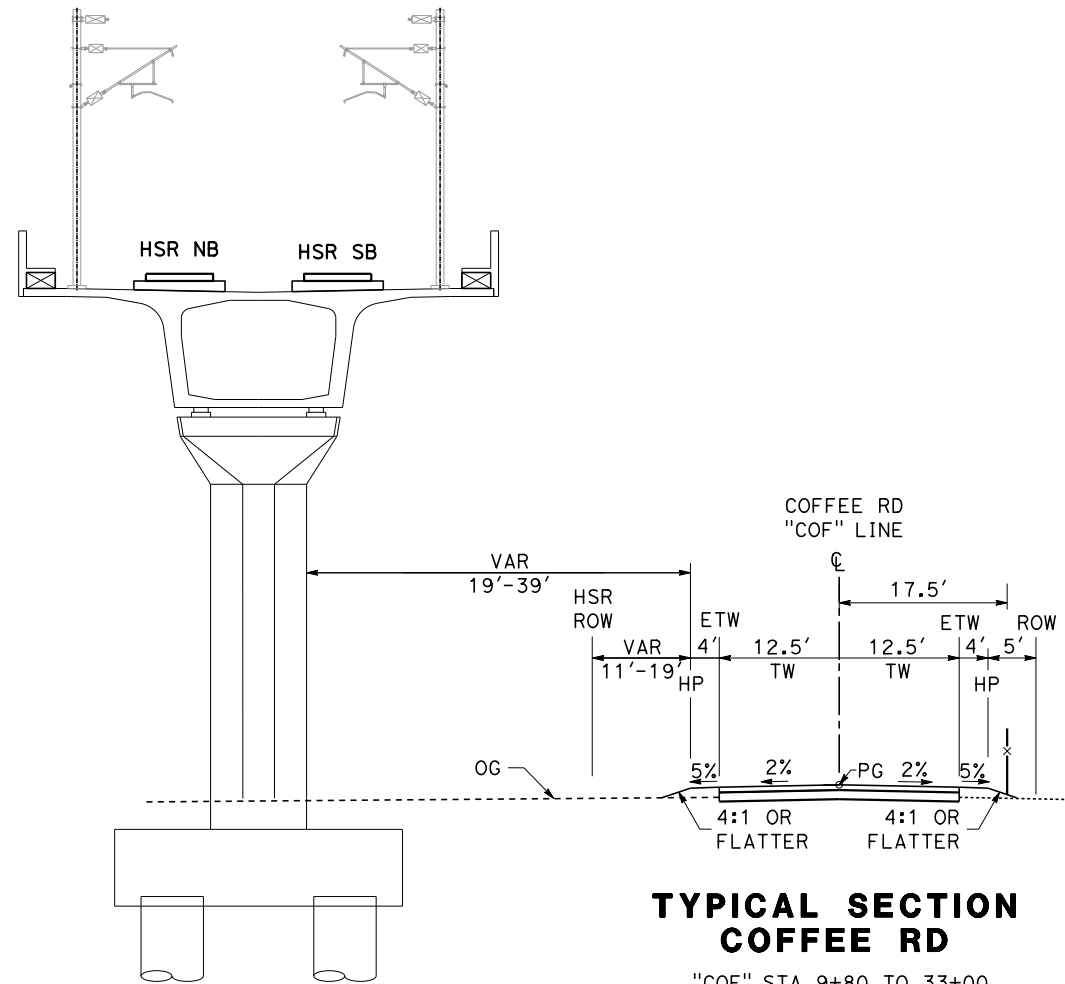
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PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

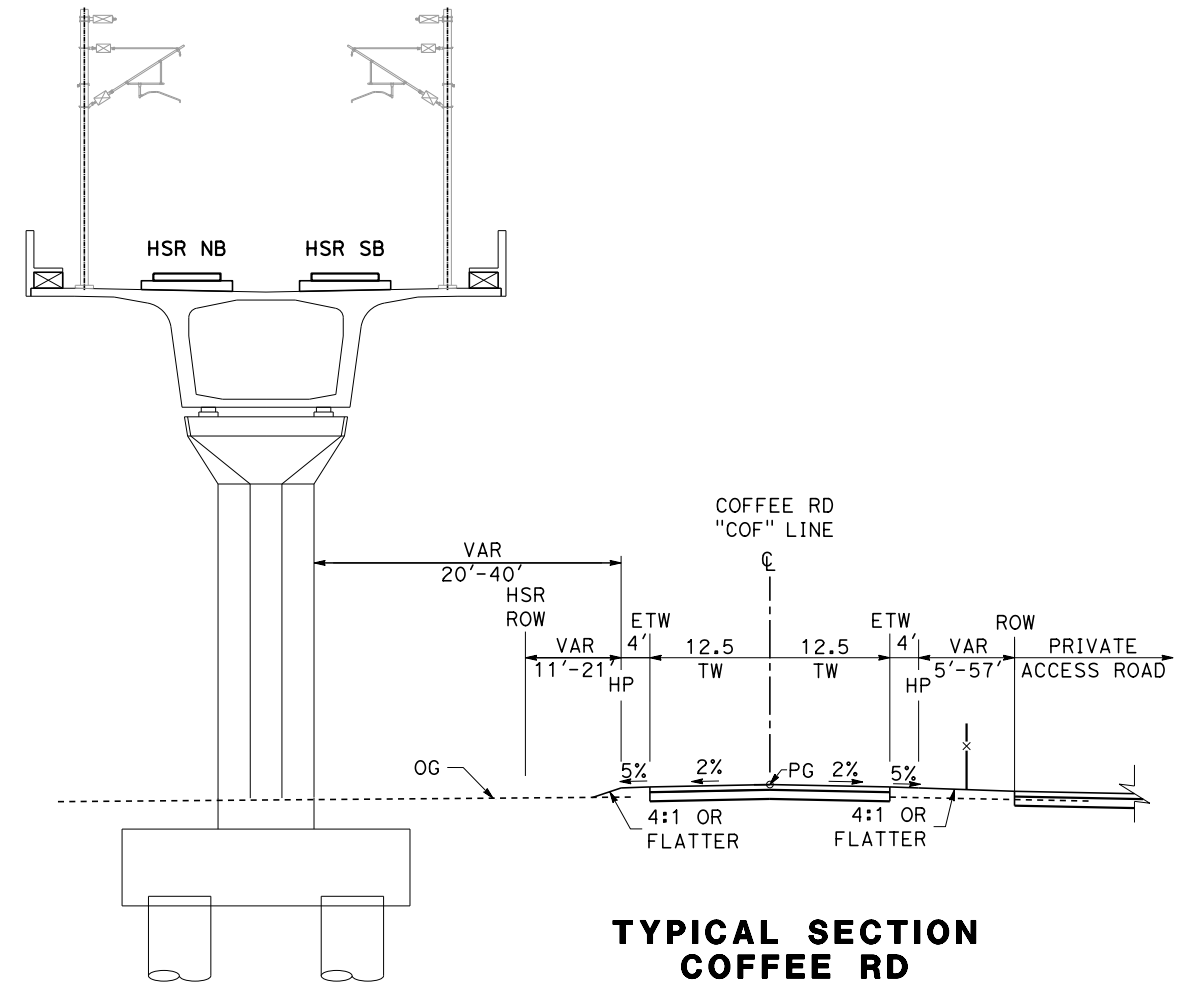
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DRAWING NO.
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SCALE
AS SHOWN
SHEET NO.

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



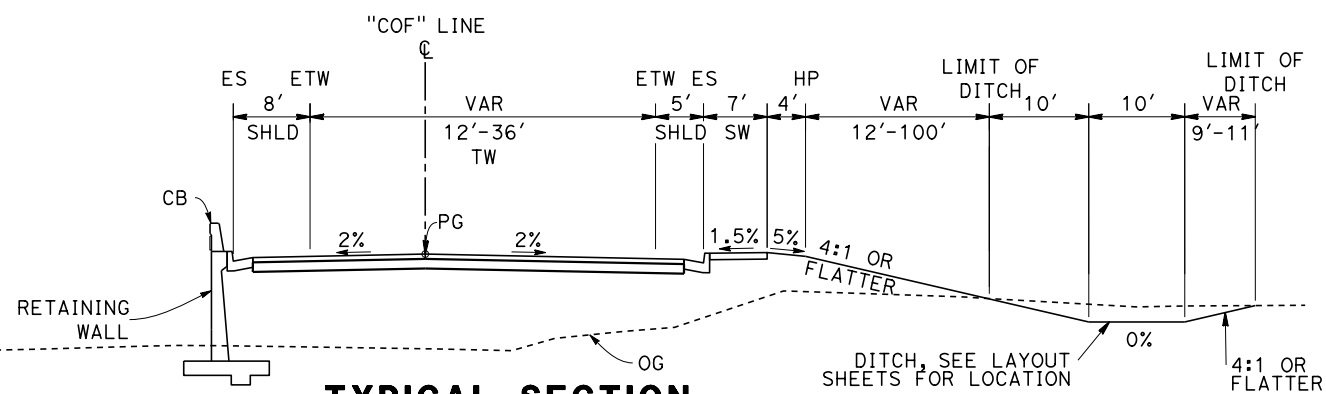
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"COF" STA 9+80 TO 33+00
"COF" STA 37+20 TO 44+92



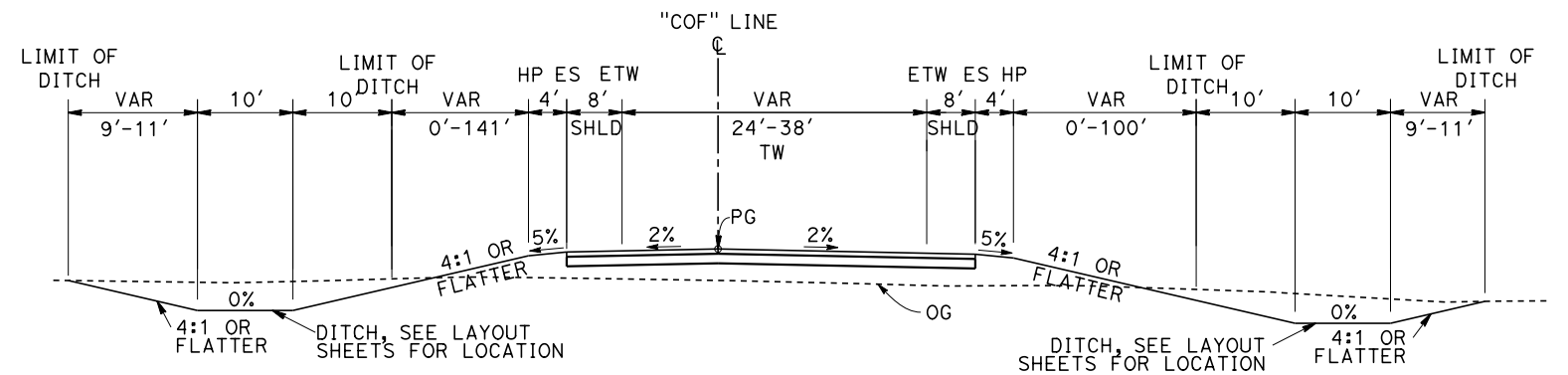
TYPICAL SECTION COFFEE RD

"COF" STA 33+00 TO 37+20



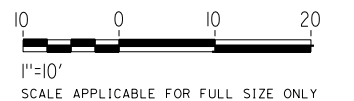
TYPICAL SECTION COFFEE RD

"COF" STA 47+07 TO 53+47



TYPICAL SECTION COFFEE RD

"COF" STA 53+47 TO 60+11



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IN CHARGE
S. OLLO

DATE
10/28/2016

**RECORD SET
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SUBMISSION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

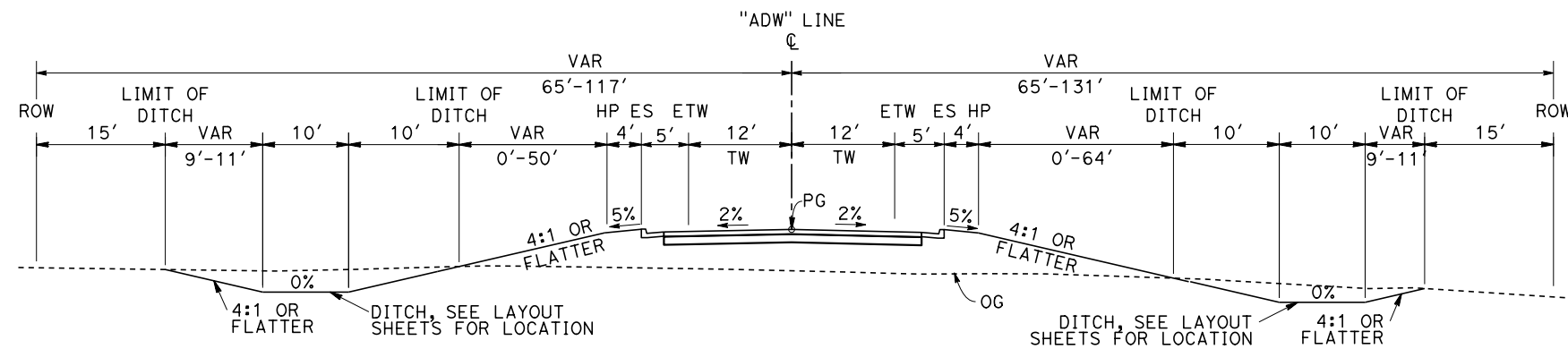
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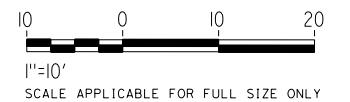
SCALE
AS SHOWN

SHEET NO.

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



**TYPICAL SECTION
ACCESS DRIVEWAY**
"ADW" STA 12+10 TO 16+09

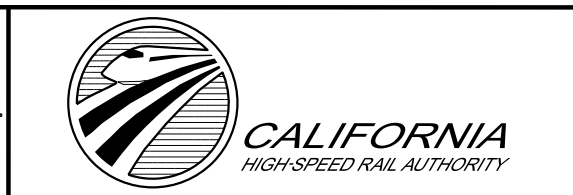


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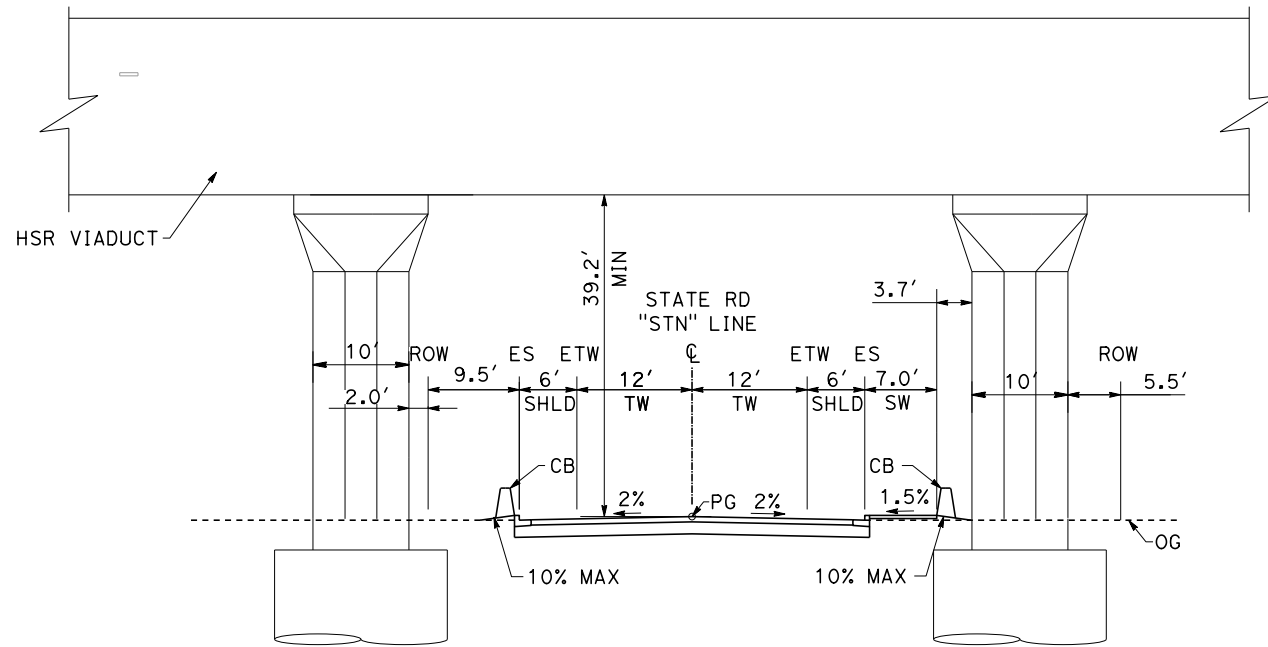
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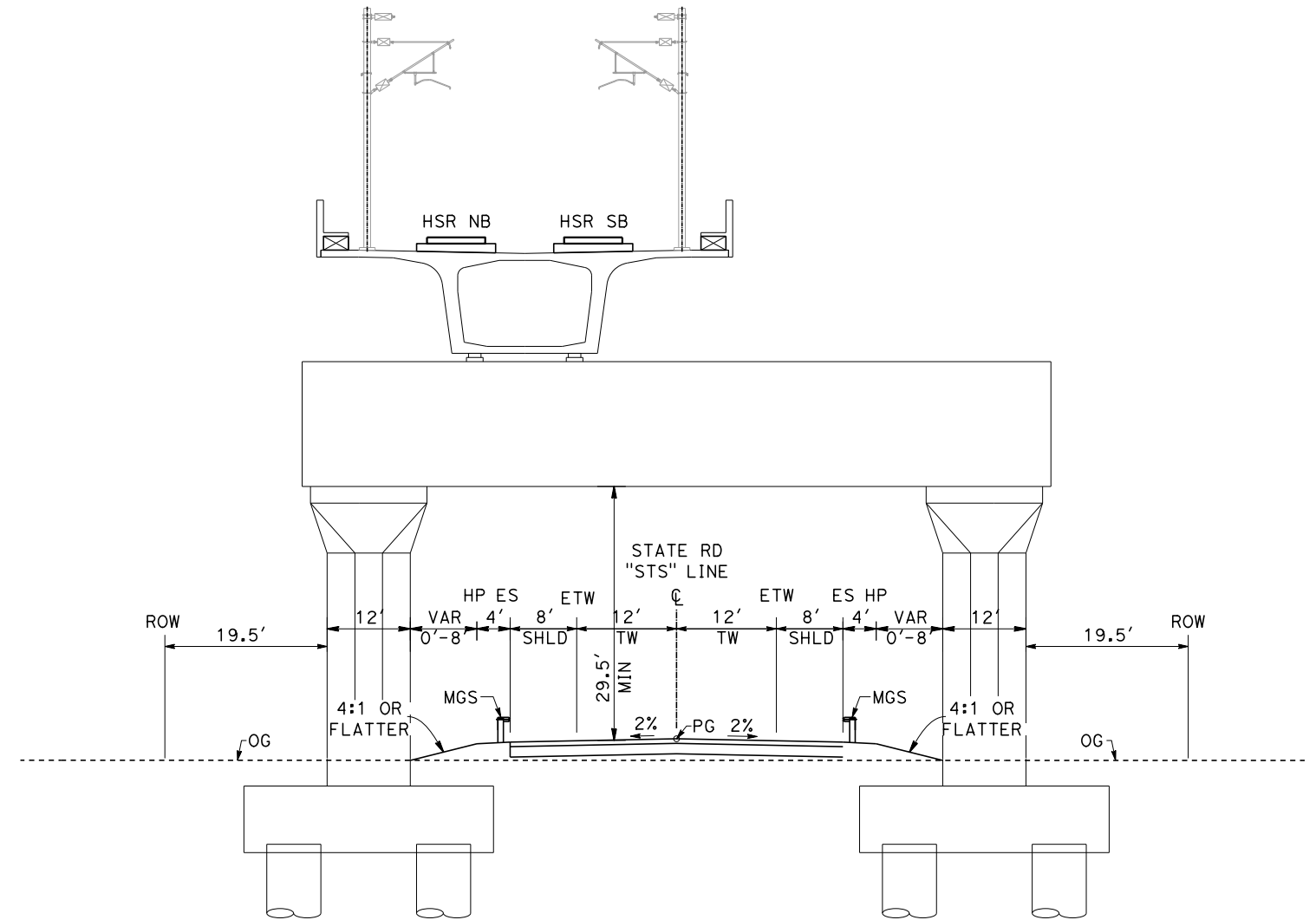
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
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DRAWING NO.
CV-B0027
SCALE
AS SHOWN
SHEET NO.

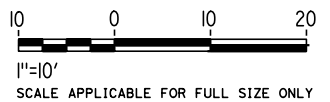
NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



**TYPICAL SECTION
STATE RD NORTH LAYOUT**
"STN" STA 52+22 TO 57+08



**TYPICAL SECTION
STATE RD SOUTH LAYOUT**
"STS" STA 187+00 TO 209+10



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H. PARK
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P. BOCTOR
CHECKED BY
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IN CHARGE
S. OLLO
DATE
10/28/2016

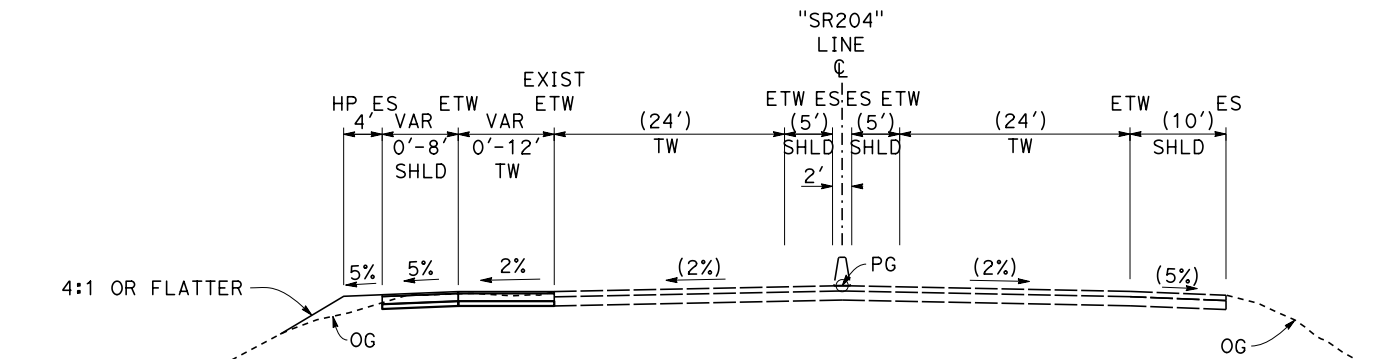
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

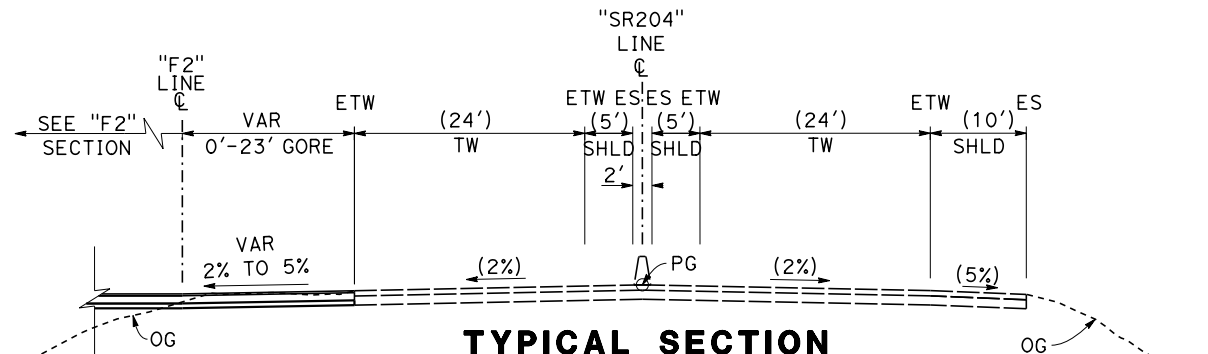
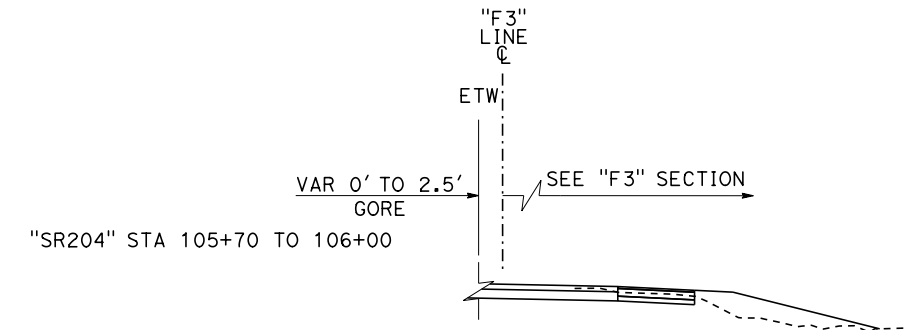
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HSR13-44
DRAWING NO.
CV-B0028
SCALE
AS SHOWN
SHEET NO.

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



TYPICAL SECTION SR-204

"SR204" STA 84+76 TO 93+82
NOTE: "SR204" STA 90+17 TO 91+761, SEE BRIDGE PLANS

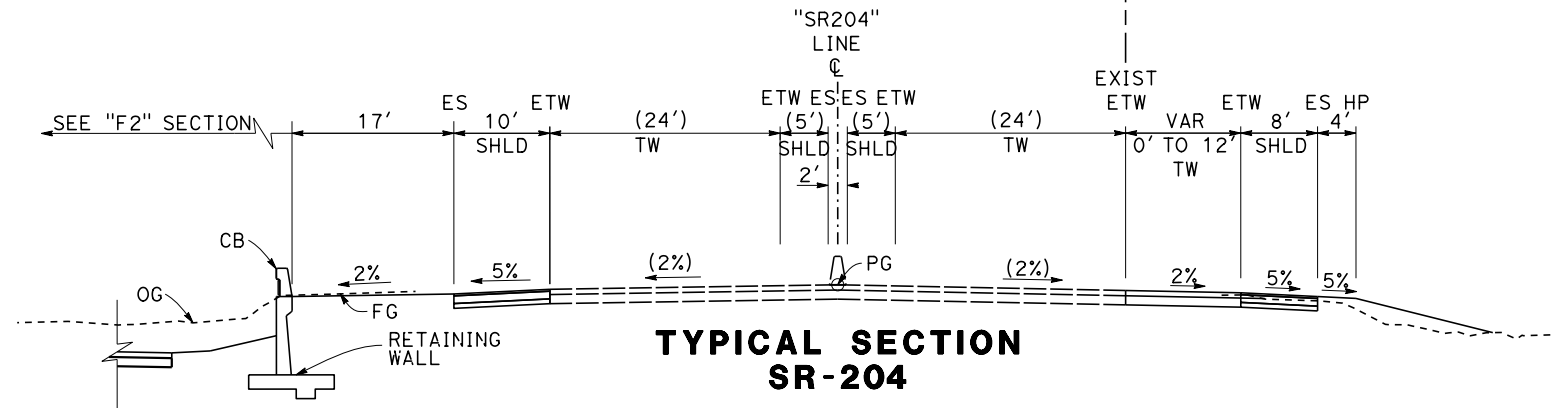


NORTHBOUND

"SR204" STA 93+82 TO 96+68

SOUTHBOUND

"SR204" STA 93+82 TO 104+28



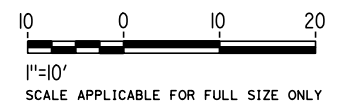
NORTHBOUND

"SR204" STA 96+68 TO 106+00

SOUTHBOUND

"SR204" STA 104+28 TO 106+00

- "F" F STREET
- "F1" NB SR-204 OFF-RAMP
- "F2" NB SR-204 ON-RAMP
- "F3" SB SR-204 LOOP OFF-RAMP
- "F4" SB SR-204 ON-RAMP



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H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

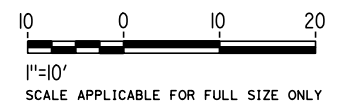
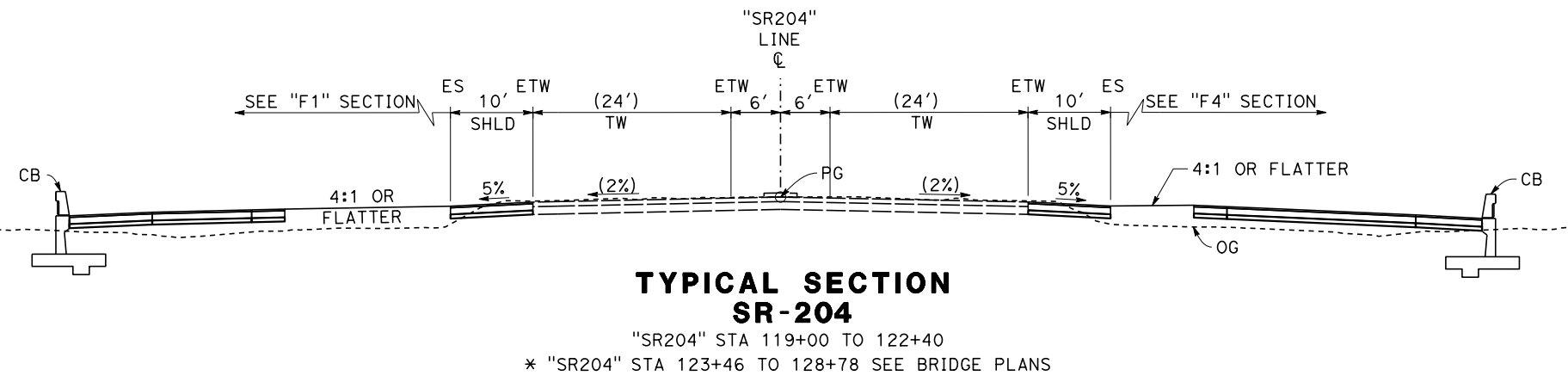
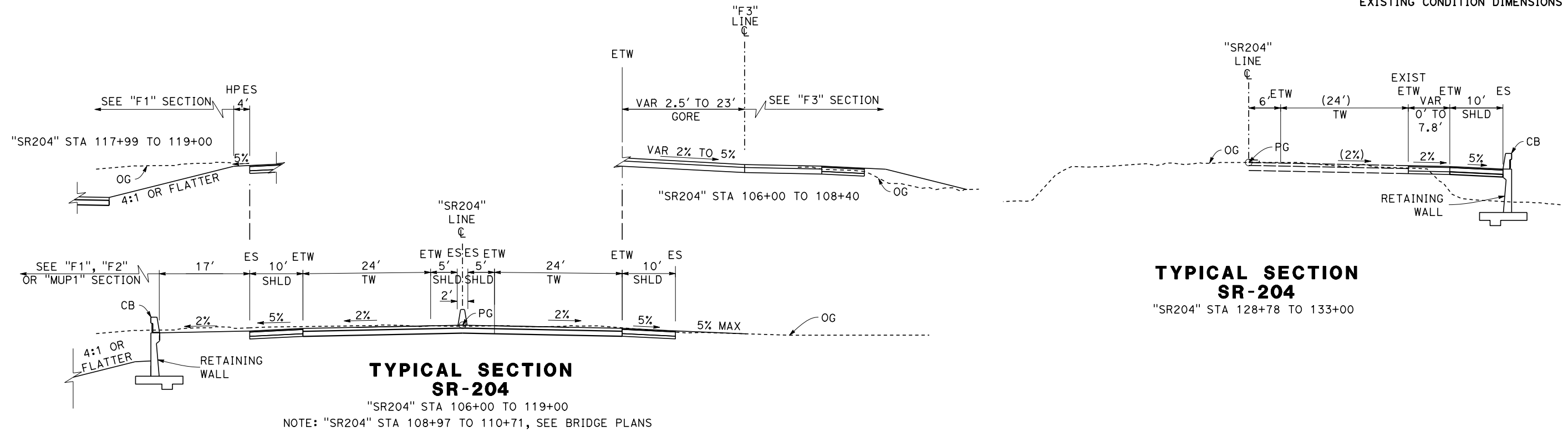
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PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0029
SCALE
AS SHOWN
SHEET NO.

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



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 DRAWN BY
P. BOCTOR
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
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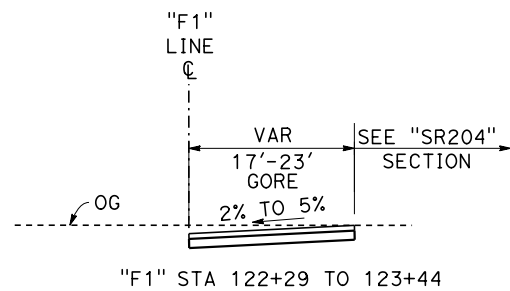
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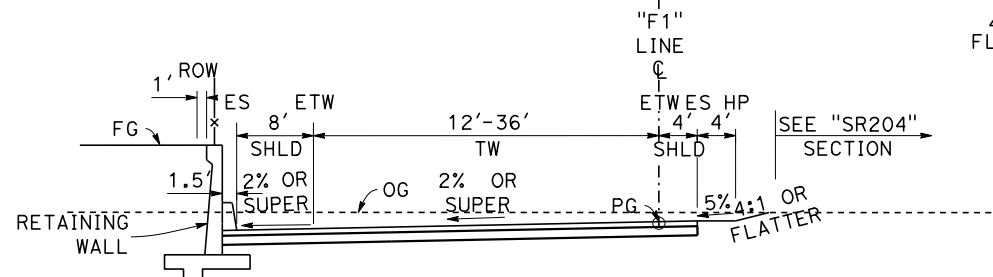
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY / GRADE SEPARATION
 TYPICAL SECTIONS

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 SCALE
AS SHOWN
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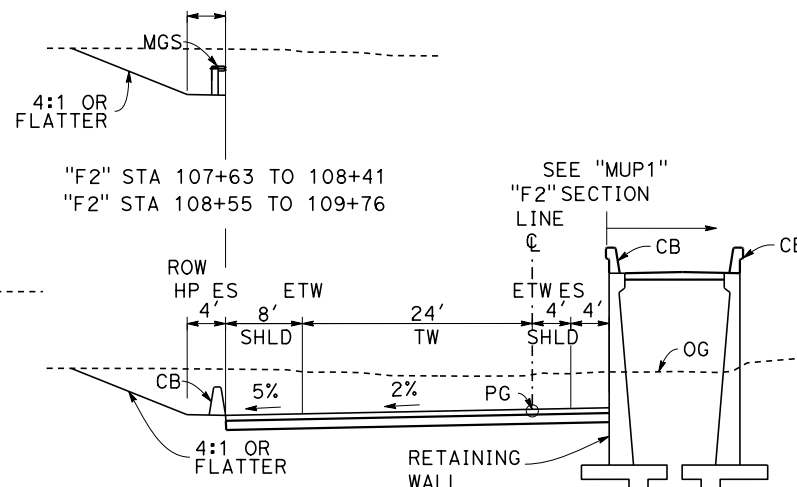


"F1" STA 122+29 TO 123+44



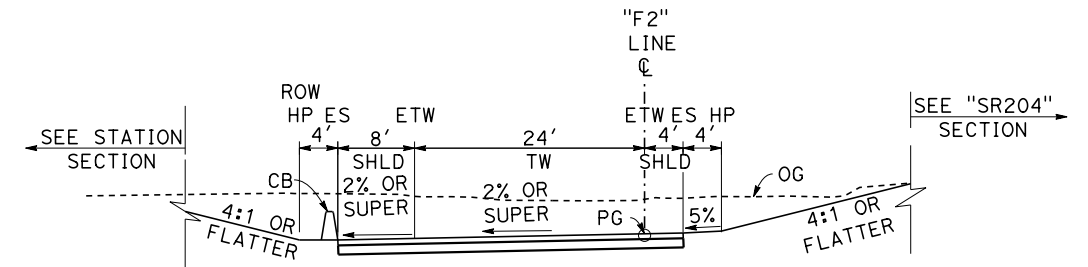
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"F1" STA 109+76 TO 123+44
 NOTE: "F1" STA 123+44 TO 125+00, SEE BRIDGE PLANS



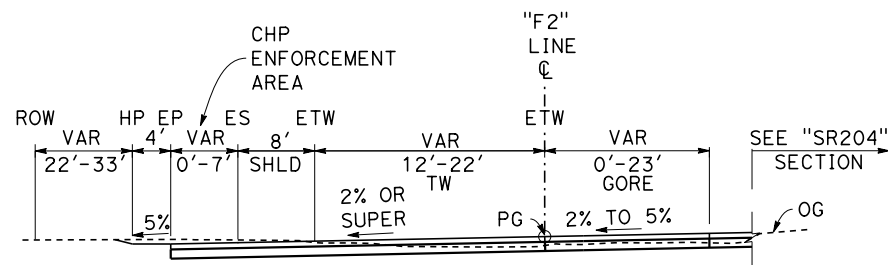
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"F2" STA 106+94 TO 107+63



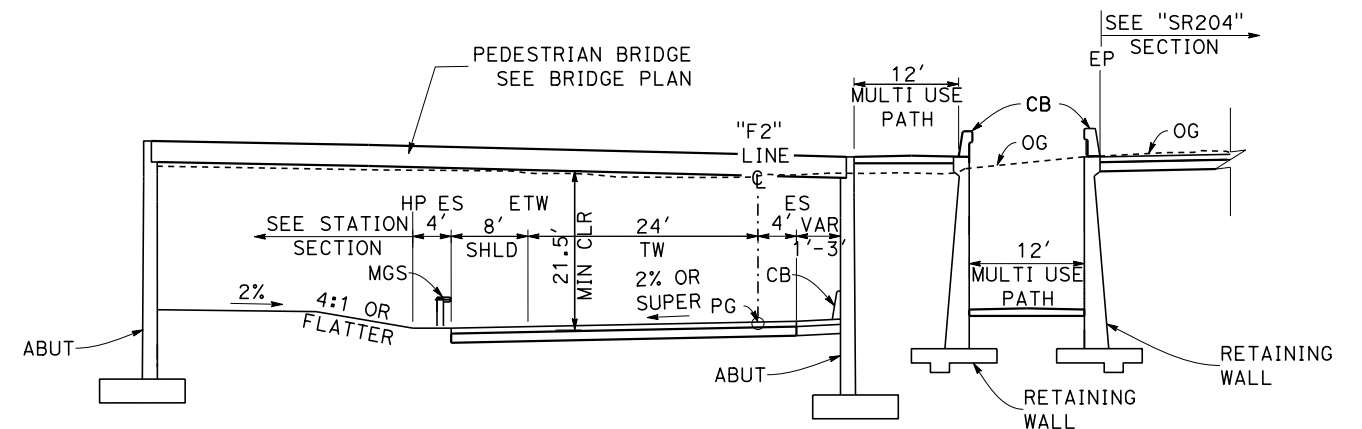
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"F2" STA 96+69 TO 106+94



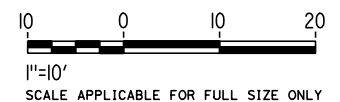
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 SR-204 NB ON-RAMP**

"F2" STA 92+06 TO 96+69
 NOTE: "F2" STA 90+83 TO 92+06, SEE BRIDGE PLANS
 NOTE: FOR CHP TURNOUT SEE LAYOUT FOR DETAILS



**TYPICAL SECTION
 SR-204 NB ON-RAMP**

"F2" STA 108+41 TO 108+55



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H. PARK
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P. BOCTOR
 CHECKED BY
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S. OLLO
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10/28/2016

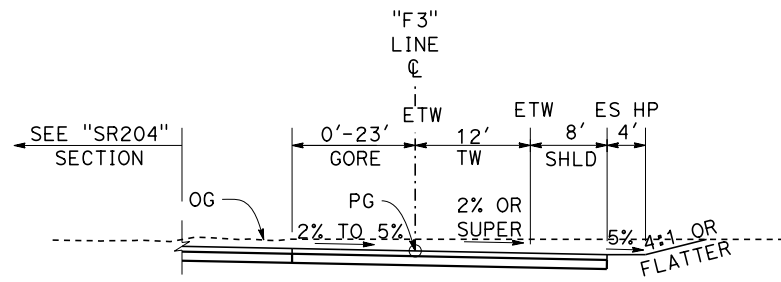
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY / GRADE SEPARATION
 TYPICAL SECTIONS

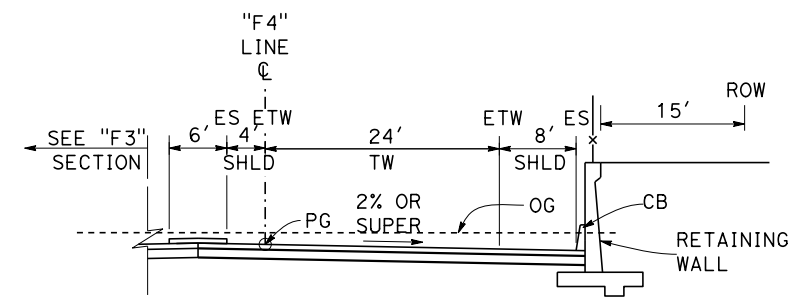
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NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



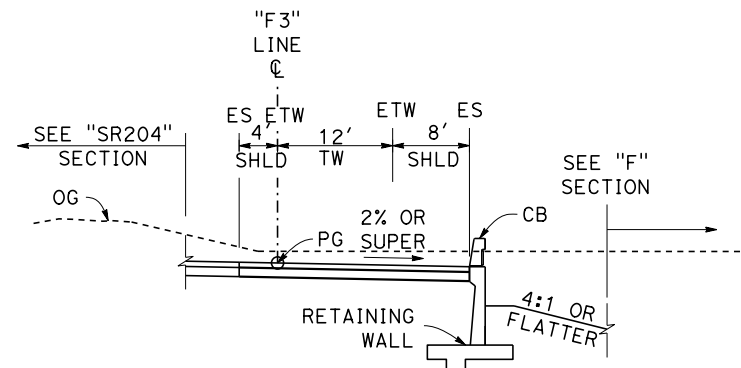
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"F3" STA 105+70 TO 108+79
NOTE: "F3" STA 108+79 TO 111+18, SEE BRIDGE PLANS



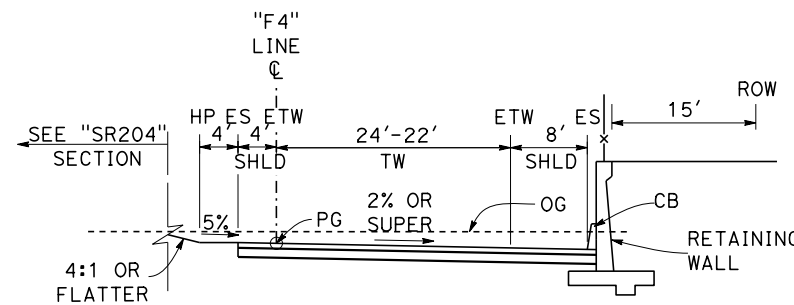
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"F4" STA 111+13 TO 113+11



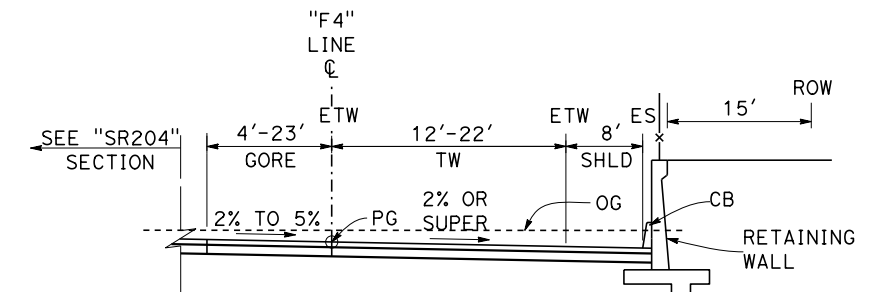
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"F3" STA 111+18 TO 111+85



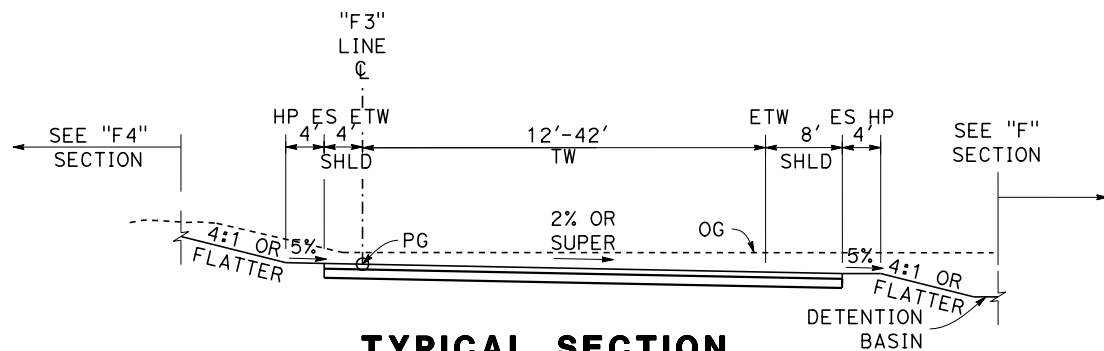
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"F4" STA 113+11 TO 121+14



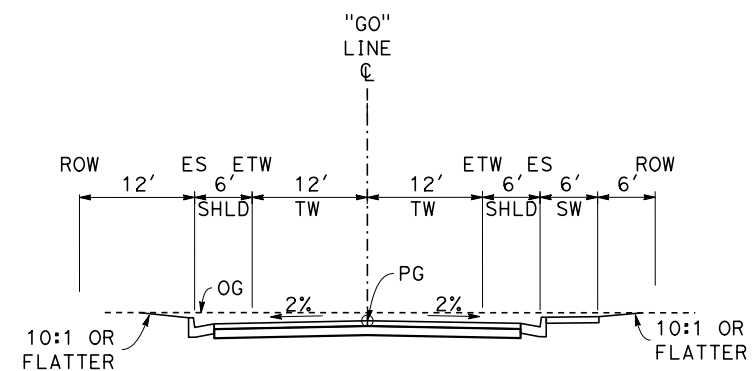
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"F4" STA 121+14 TO 123+44
NOTE: "F4" STA 123+44 TO 127+00, SEE BRIDGE PLANS



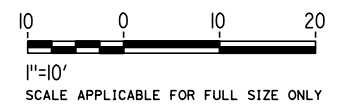
TYPICAL SECTION SR-204 SB OFF-RAMP

"F3" STA 111+85 TO 118+71



TYPICAL SECTION GOLDEN STATE FRONTAGE ROAD

"GO" STA 10+00 TO 28+16



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H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

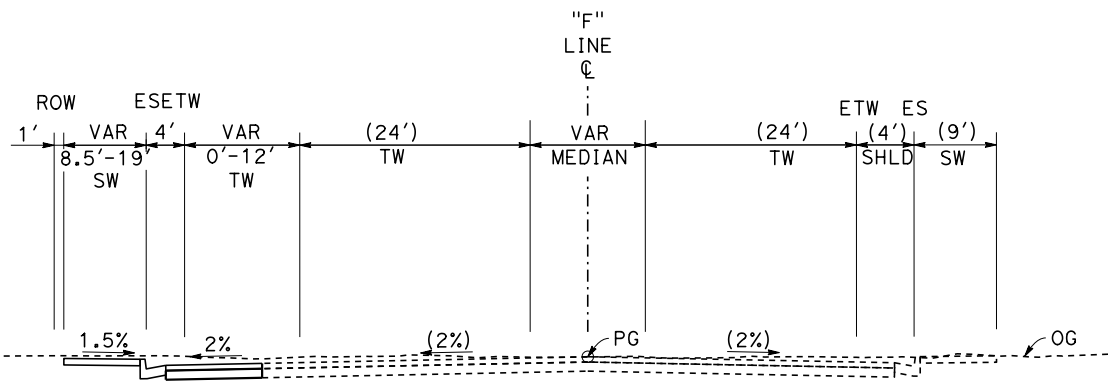
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PEPD DESIGN
SUBMISSION**



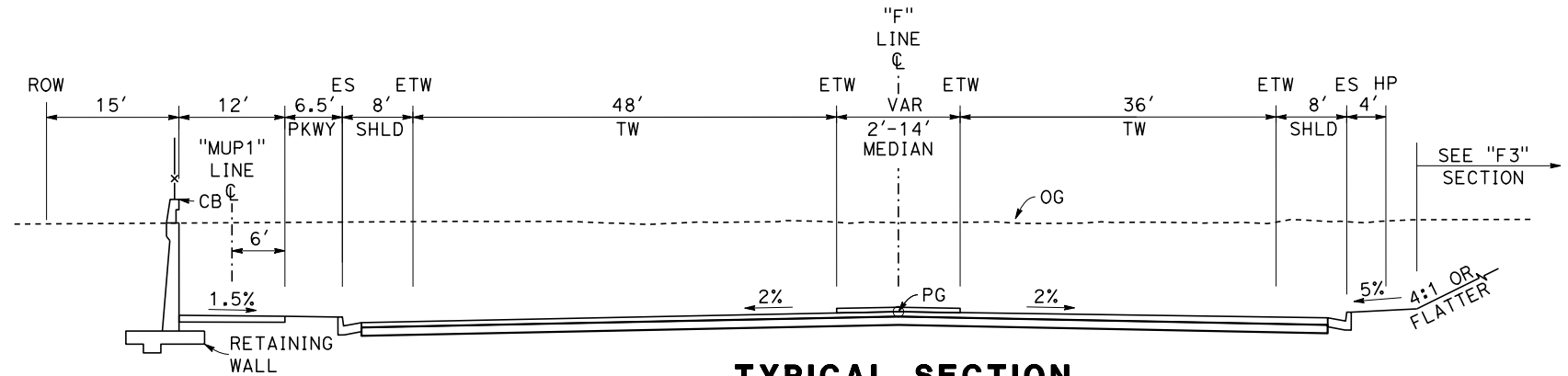
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0032
SCALE
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SHEET NO.

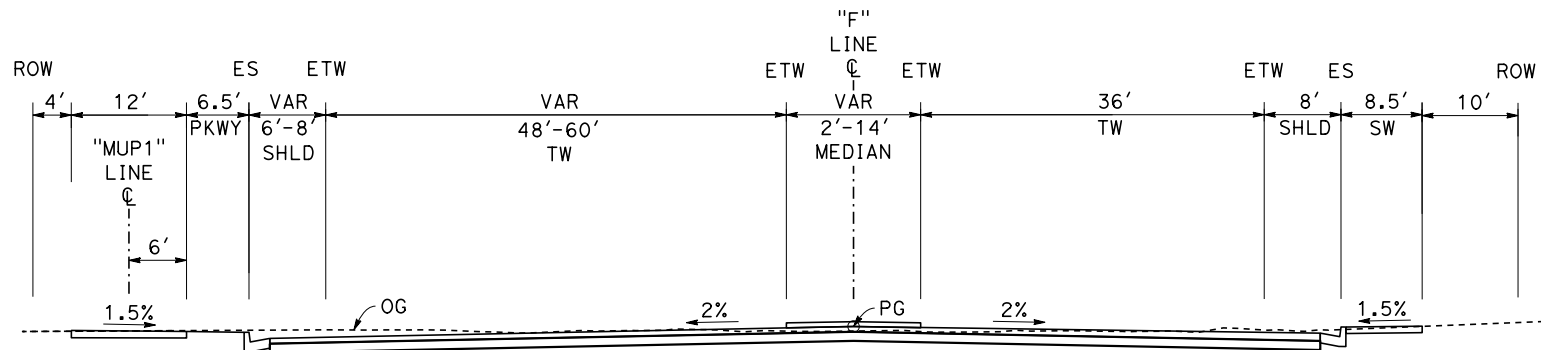
NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



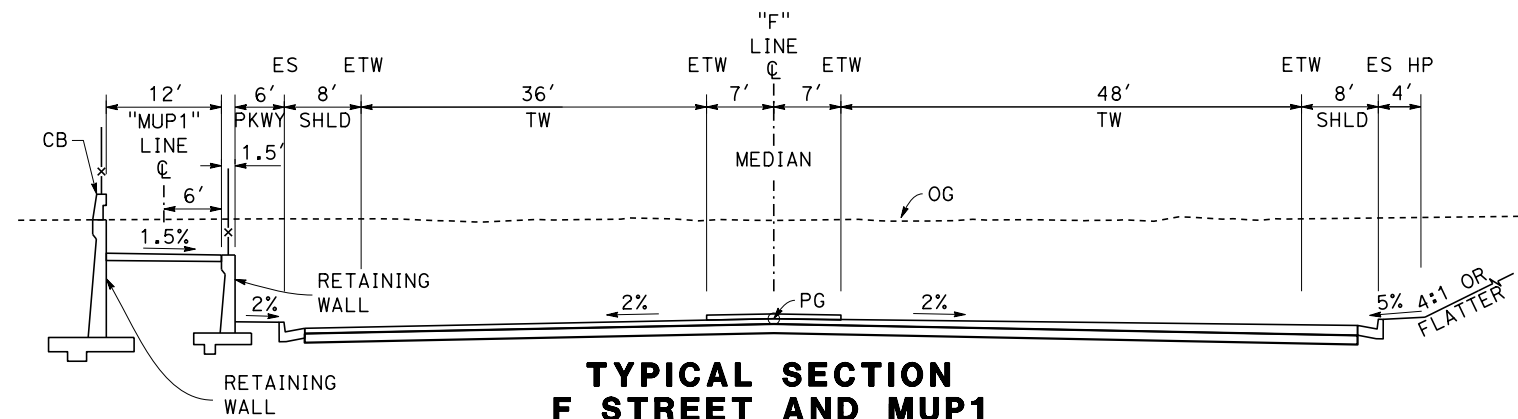
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"F" STA 2+05 TO 7+20



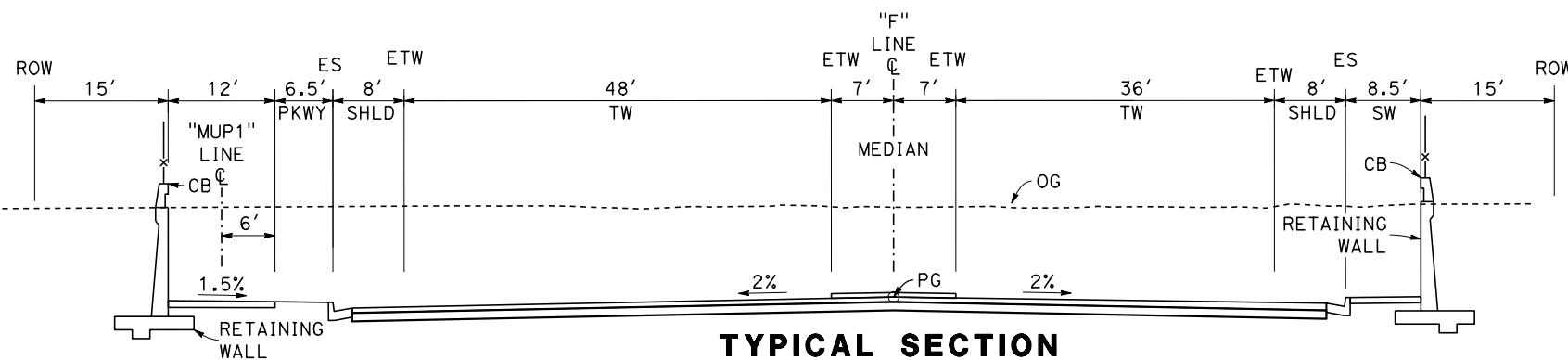
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F STREET AND MUP1**
"F" STA 10+45 TO 15+01



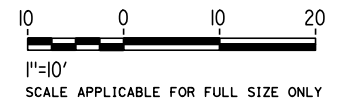
**TYPICAL SECTION
F STREET AND MUP1**
"F" STA 7+20 TO 9+25



**TYPICAL SECTION
F STREET AND MUP1**
"F" STA 15+01 TO 16+27



**TYPICAL SECTION
F STREET AND MUP1**
"F" STA 9+25 TO 10+45



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DESIGNED BY
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P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

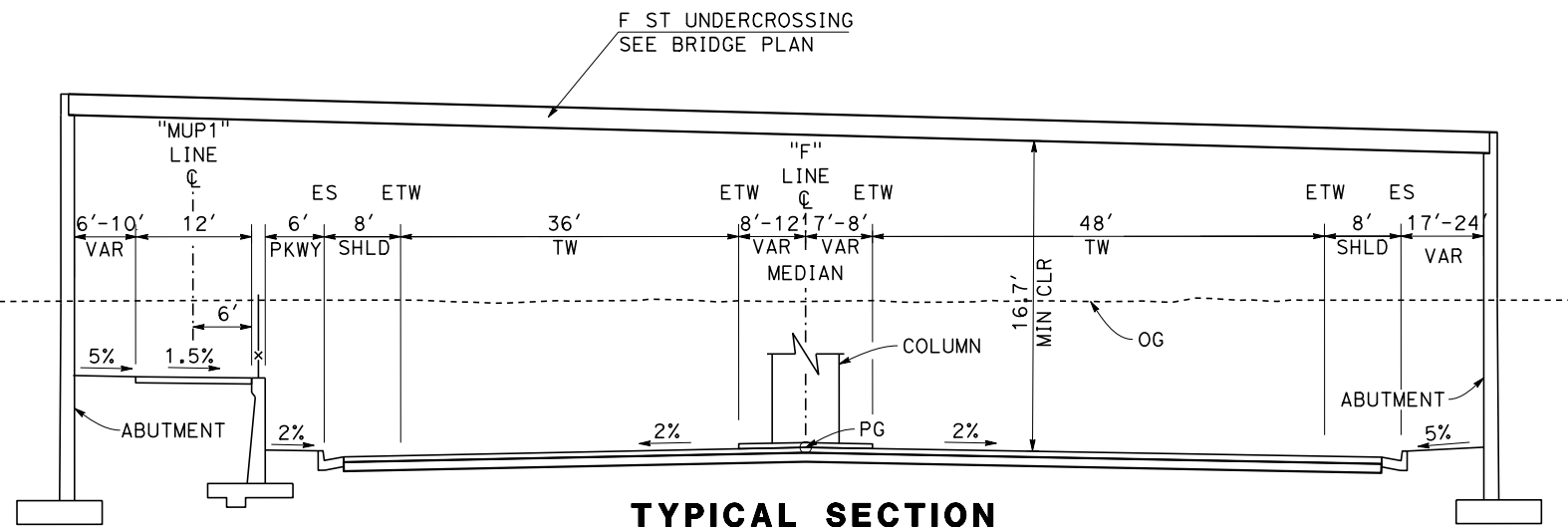
**RECORD SET
PEPD DESIGN
SUBMISSION**



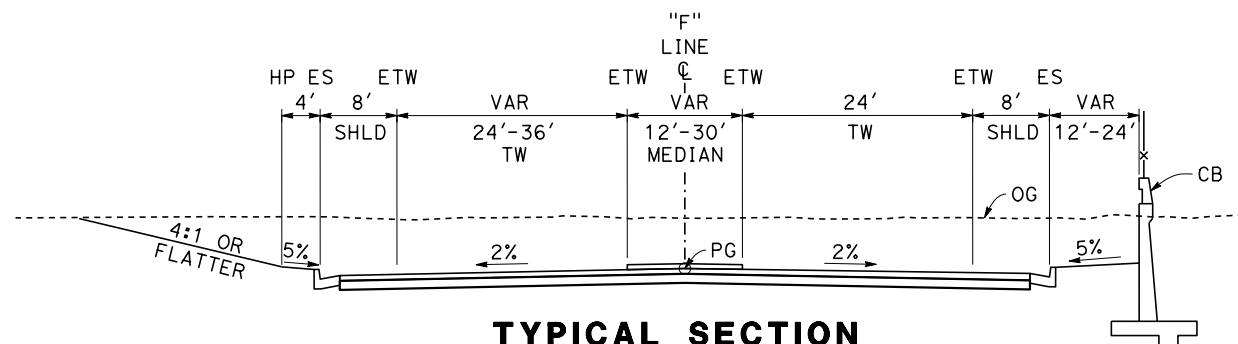
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0033
SCALE
AS SHOWN
SHEET NO.

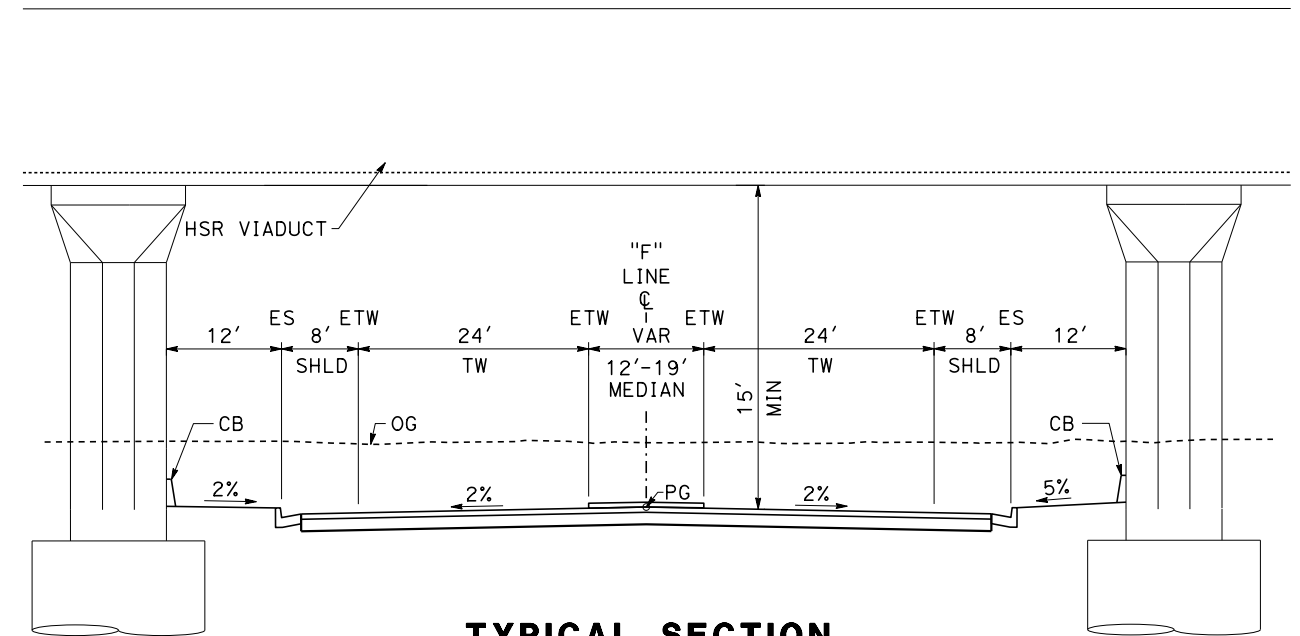
NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



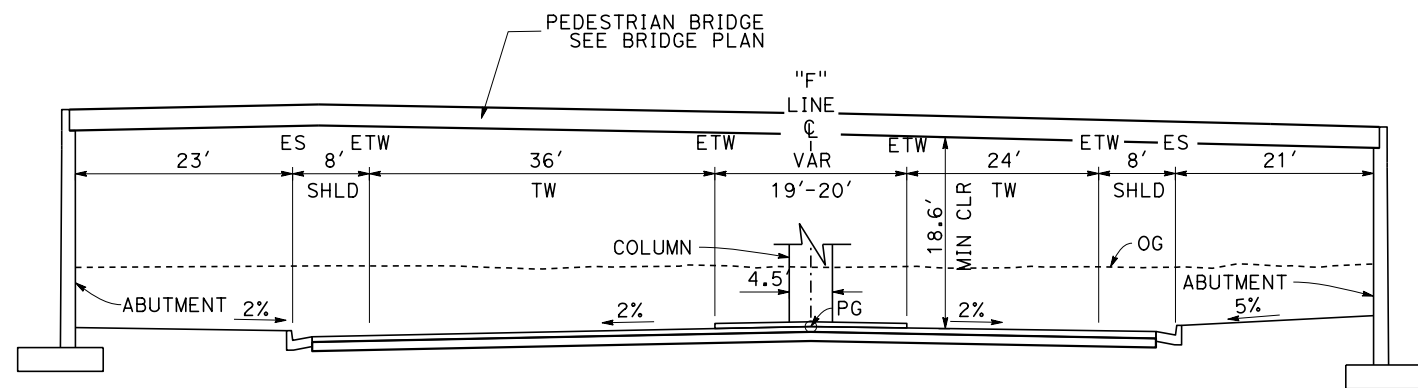
**TYPICAL SECTION
F STREET AND MUP1**
"F" STA 16+27 TO 17+77



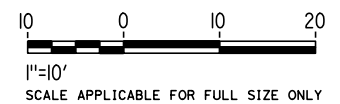
**TYPICAL SECTION
F STREET**
"F" STA 17+77 TO 20+21
"F" STA 20+38 TO 20+75



**TYPICAL SECTION
F STREET**
"F" STA 20+75 TO 22+28



**TYPICAL SECTION
F STREET**
"F" STA 20+21 TO 20+38



Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway_Sheets\BFSSA-CV-B0034

\$PLTDRVS\$

\$PENTBL.S\$

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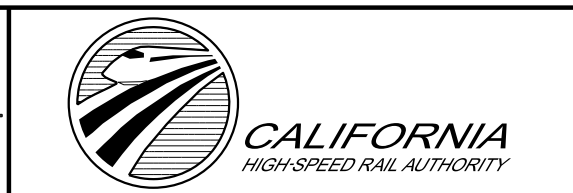
TYLIN\0110

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**

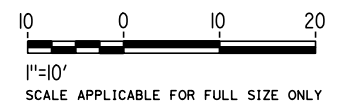
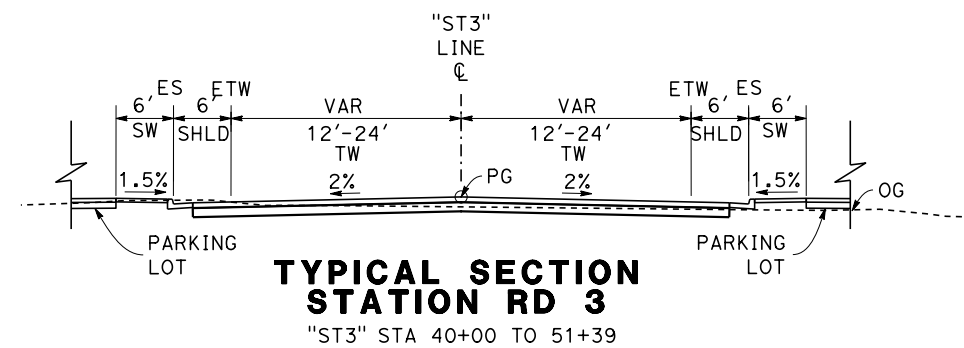
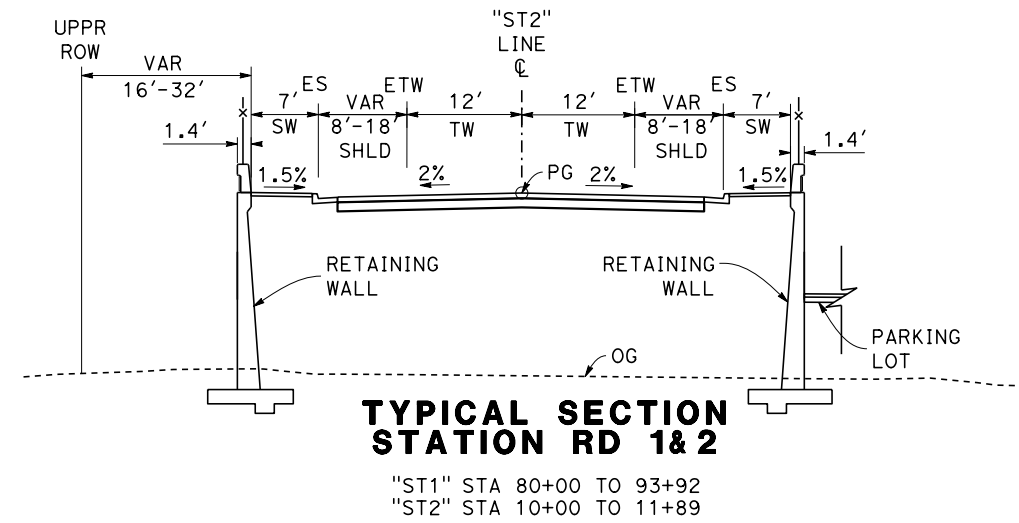
TYLIN INTERNATIONAL



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0034
SCALE
AS SHOWN
SHEET NO.

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0035 \$PLTDRVS\$ \$PENTBLS\$ 10/28/2016 2:14:35 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
P. BOCTOR

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

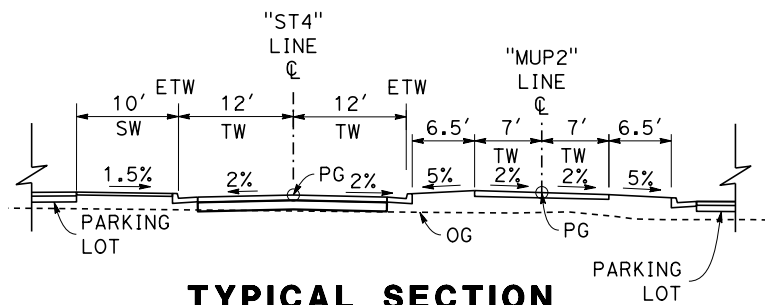
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-B0035

SCALE
AS SHOWN

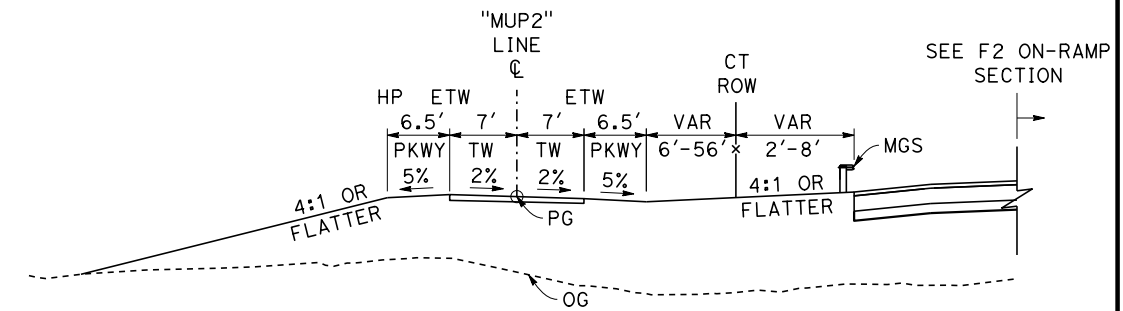
SHEET NO.

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



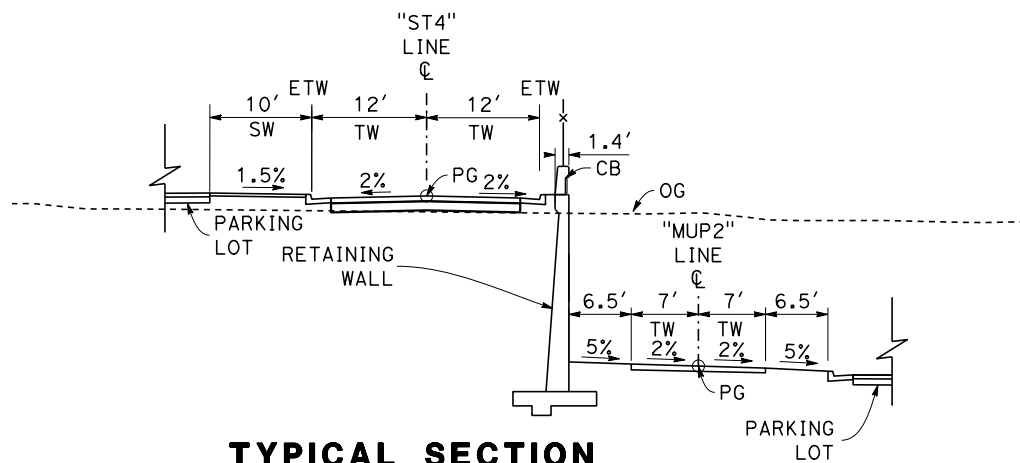
**TYPICAL SECTION
STATION RD 4 &
MULTIUSE PATH 2**

"ST4" STA 60+00 TO 64+20
"MUP2" STA 38+13 TO 42+34



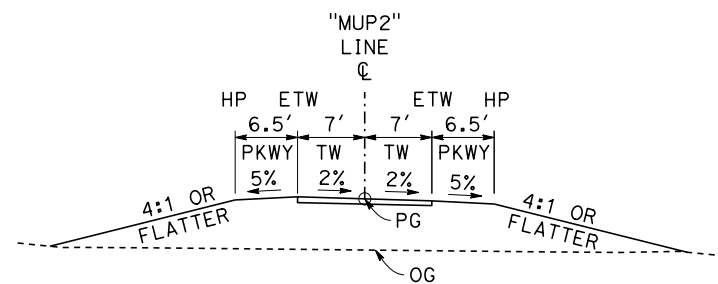
**TYPICAL SECTION
MULTIUSE PATH 2**

"MUP2" STA 22+01 TO 27+98



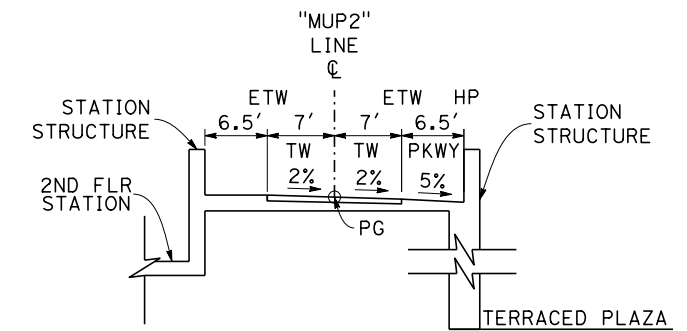
**TYPICAL SECTION
STATION RD 4 &
MULTIUSE PATH 2**

"ST4" STA 64+20 TO 66+23
"MUP2" STA 42+34 TO 44+36



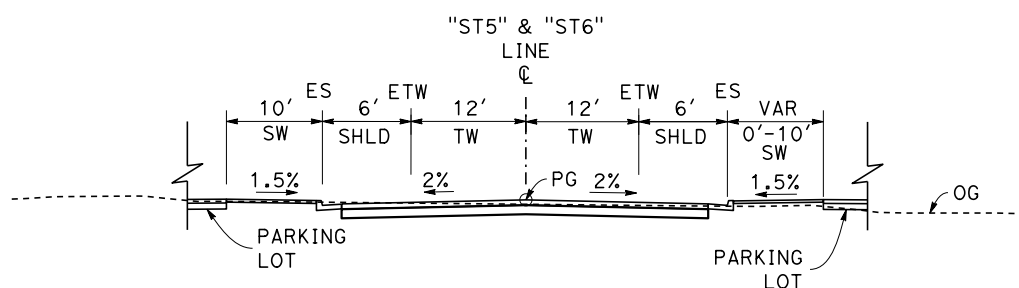
**TYPICAL SECTION
MULTIUSE PATH 2**

"MUP2" STA 10+00 TO 15+12
"MUP2" STA 16+16 TO 18+21
"MUP2" STA 20+06 TO 22+01
"MUP2" STA 27+98 TO 30+00
*NOTE: "MUP2" STA 15+12 TO 16+16. SEE BRIDGE PLANS



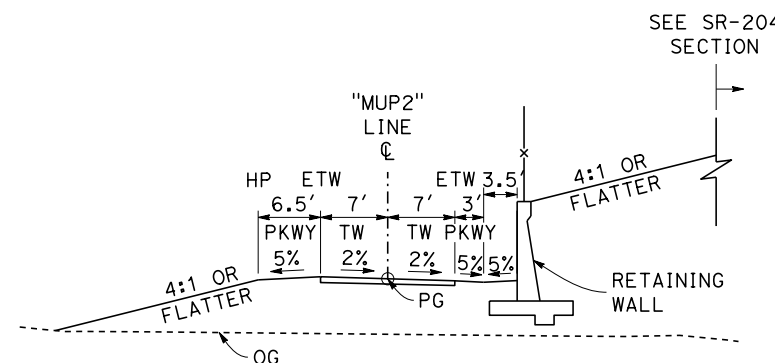
**TYPICAL SECTION
MULTIUSE PATH 2**

"MUP2" STA 30+00 TO 35+20



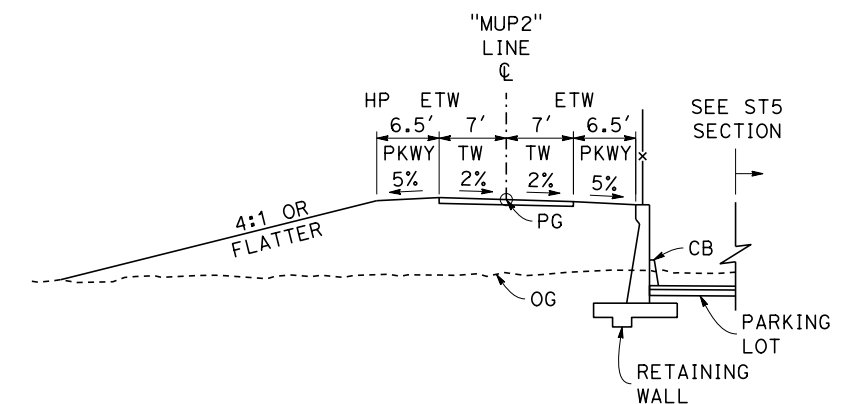
**TYPICAL SECTION
STATION RD 5 & 6**

"ST5" STA 20+00 TO 23+50
"ST6" STA 39+96 TO 48+82



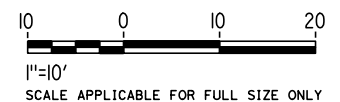
**TYPICAL SECTION
MULTIUSE PATH 2**

"MUP2" STA 18+21 TO 20+06



**TYPICAL SECTION
MULTIUSE PATH 2**

"MUP2" STA 36+74 TO 37+95



Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-B0036
\$PLTDRVS\$
\$PENTBL\$
11/5/2016 2:20:21 PM
TYLIN\010

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

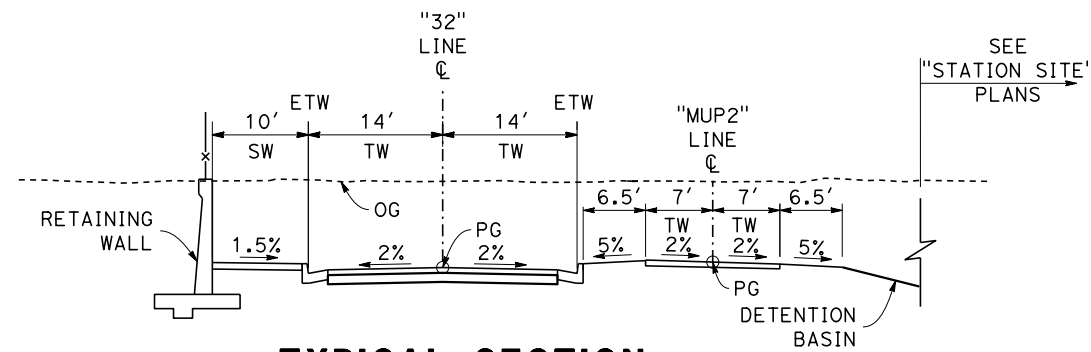
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

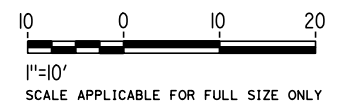
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0036
SCALE
AS SHOWN
SHEET NO.

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



**TYPICAL SECTION
32ND ST &
MULTIUSE PATH 2**

"32" STA 80+00 TO 92+73
"MUP2" STA 46+65 TO 49+56



Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0037

\$PLTDRVS\$

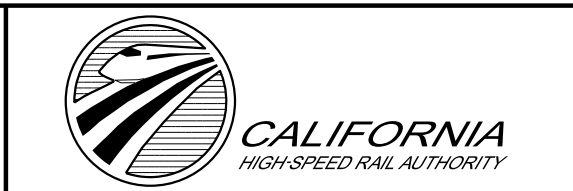
\$PENTBLS\$

TYLIN\corr\10/28/2016\2:15:19 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

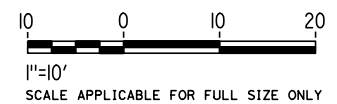
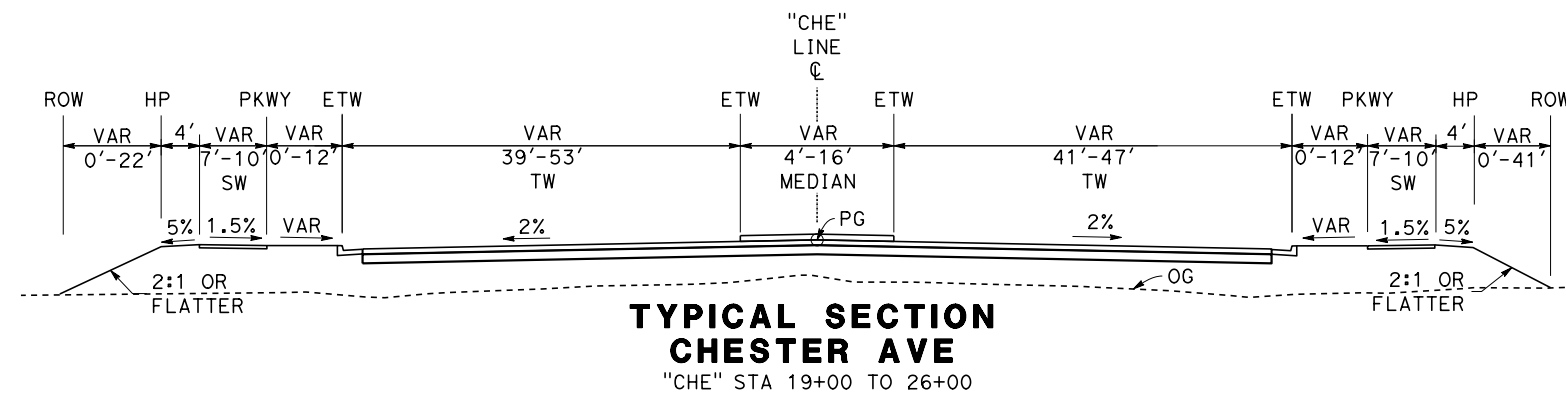
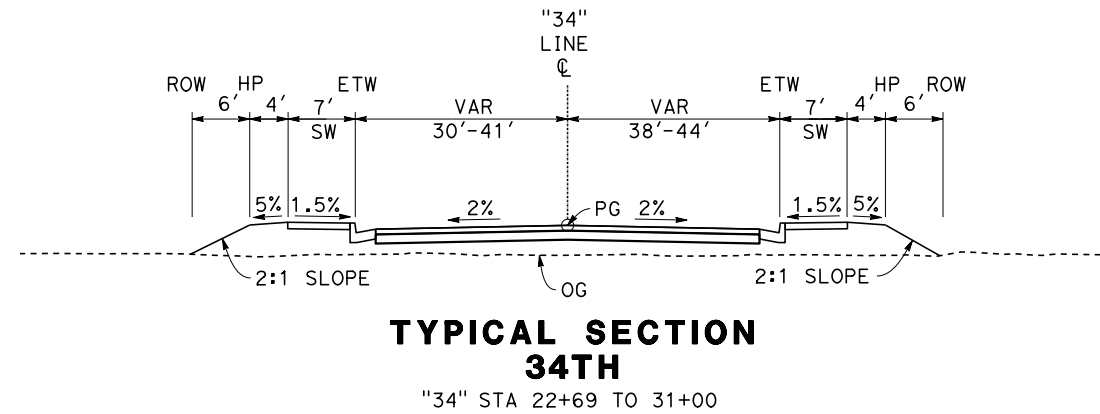
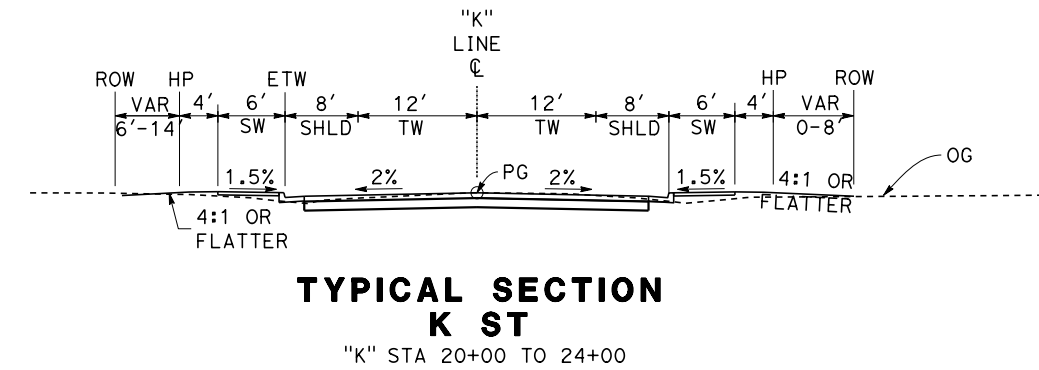
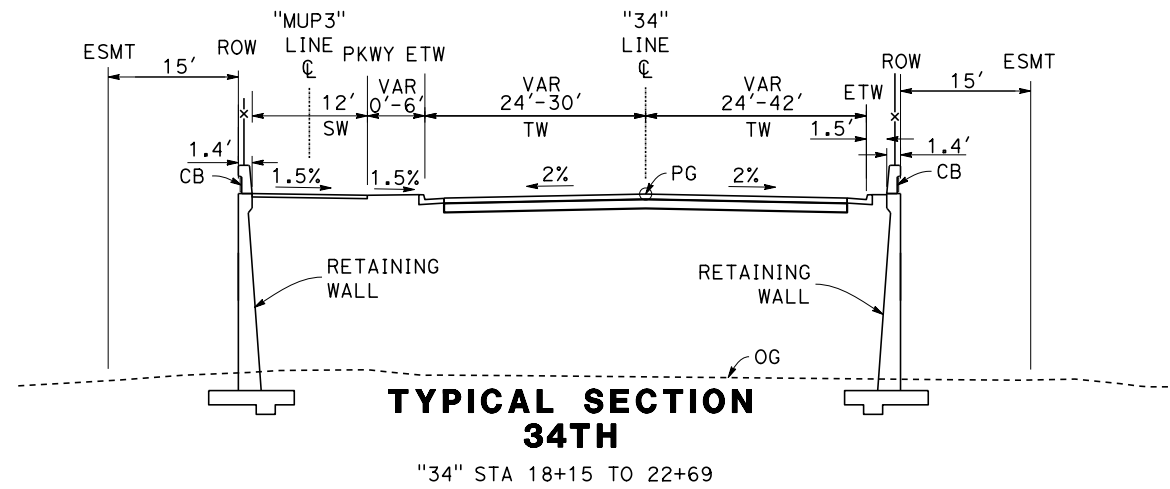
**RECORD SET
PEPD DESIGN
SUBMISSION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0037
SCALE
AS SHOWN
SHEET NO.

NOTE: VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS



Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0038 \$PLTDRVS\$ \$PENTBLS\$ 11/5/2016 2:20:51 PM TYLIN\010

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**

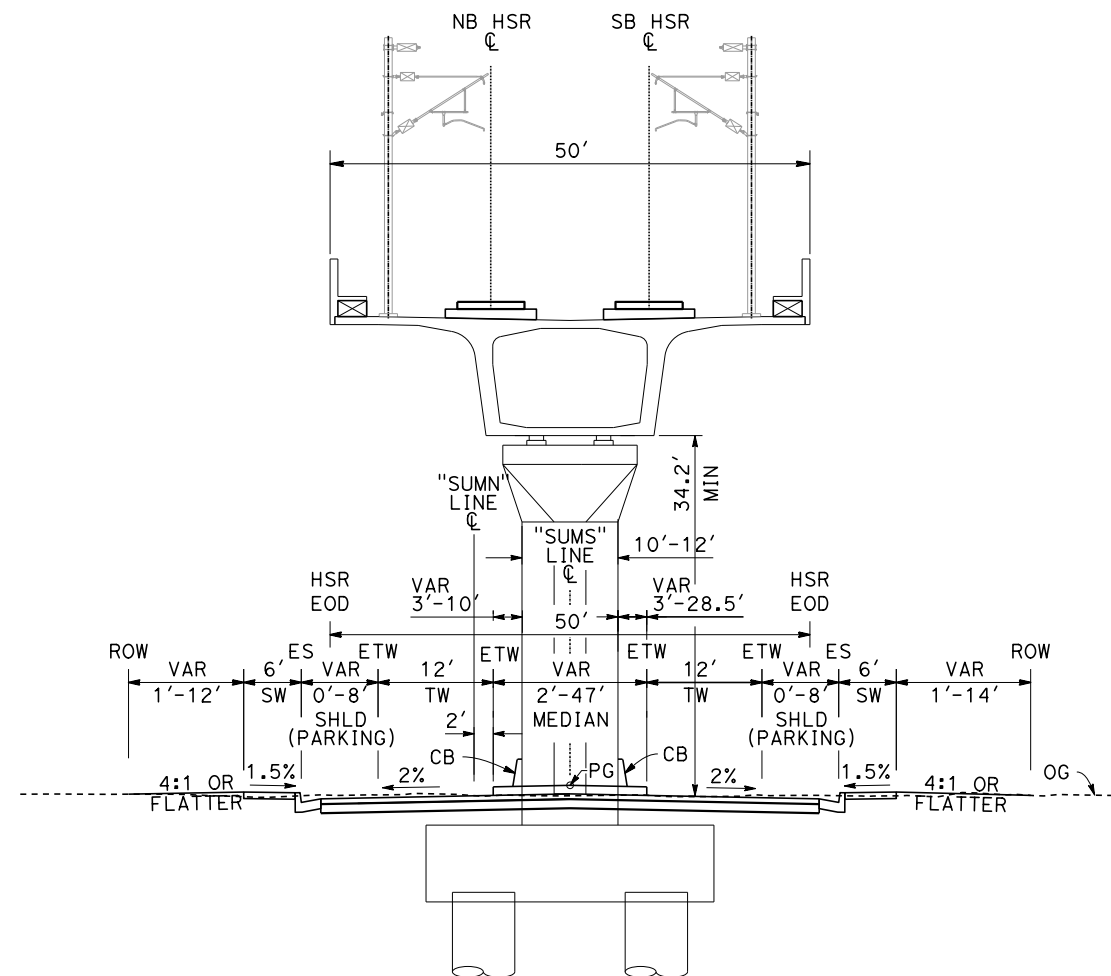
TYLIN INTERNATIONAL



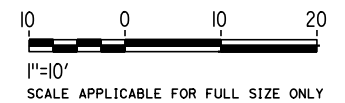
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0038
SCALE
AS SHOWN
SHEET NO.

- NOTE: 1. VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS.
 2. NO TRUCK PARKING UNDER VIADUCTS.



**TYPICAL SECTION
 SUMNER ST**
 "SUMS" STA 11+50 TO 64+50



Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0039

\$PLTDRVS\$

\$PENTBLS\$

11/5/2016 2:19:56 PM

TYLIN\SO110

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. BOCTOR
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

**RECORD SET
 PEPP DESIGN
 SUBMISSION**

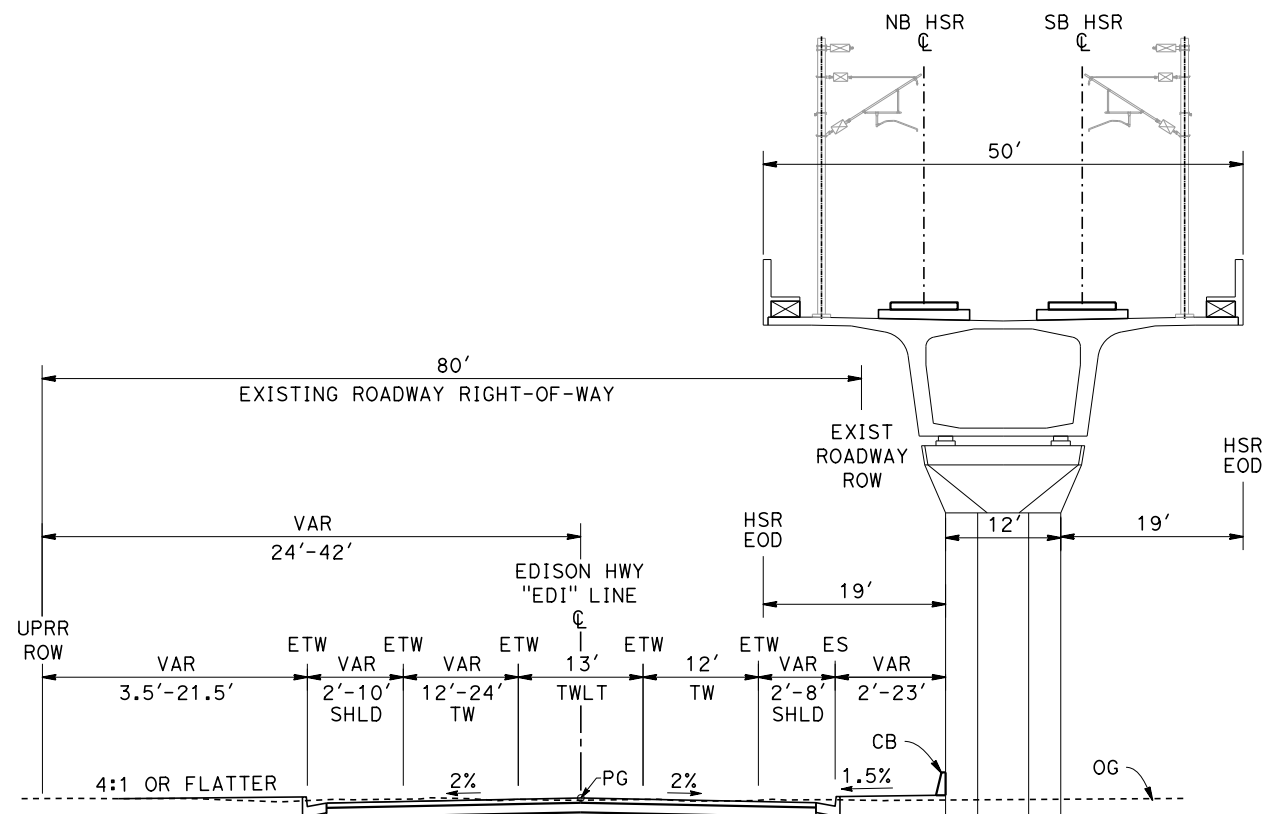


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY / GRADE SEPARATION
 TYPICAL SECTIONS

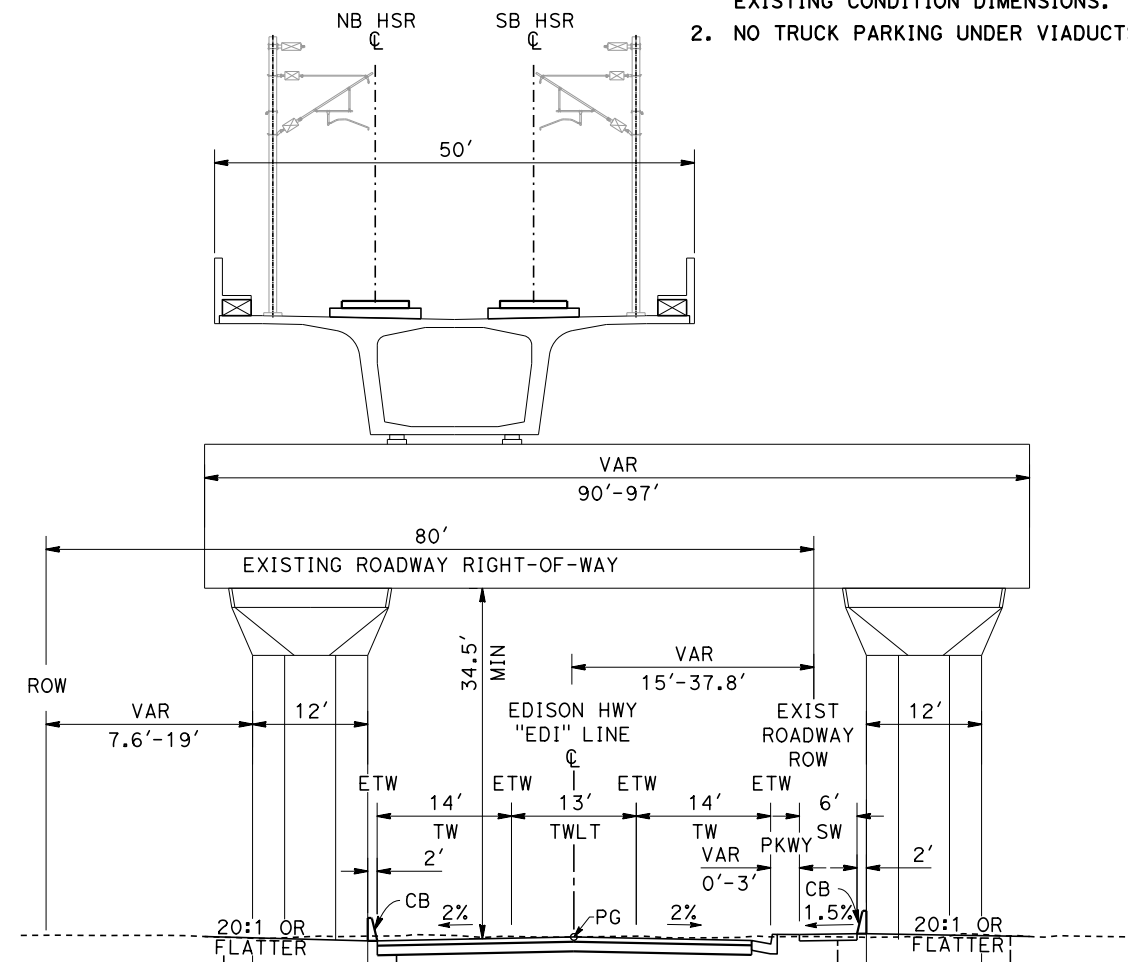
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-B0039
 SCALE
AS SHOWN
 SHEET NO.

Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-B0040 \$PLTDRVS\$ \$PENTBLS\$ 11/5/2016 2:19:58 PM TYLINS010

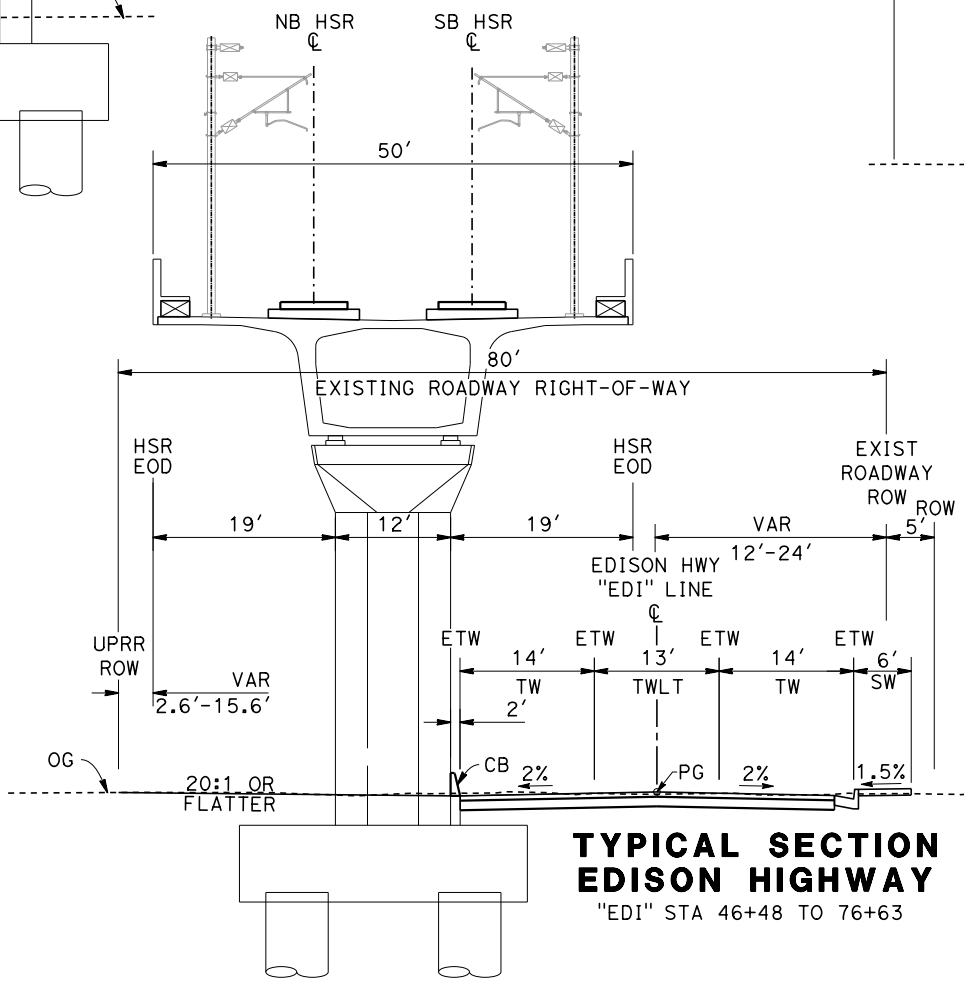
NOTE: 1. VALUES WITHIN PARENTHESES INDICATE EXISTING CONDITION DIMENSIONS.
2. NO TRUCK PARKING UNDER VIADUCTS.



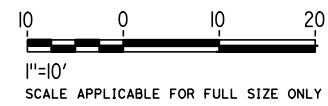
**TYPICAL SECTION
EDISON HIGHWAY**
"EDI" STA 15+60 TO 43+69



**TYPICAL SECTION
EDISON HIGHWAY**
"EDI" STA 43+69 TO 46+48



**TYPICAL SECTION
EDISON HIGHWAY**
"EDI" STA 46+48 TO 76+63



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. WILKINSON
DRAWN BY
T. WILKINSON
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

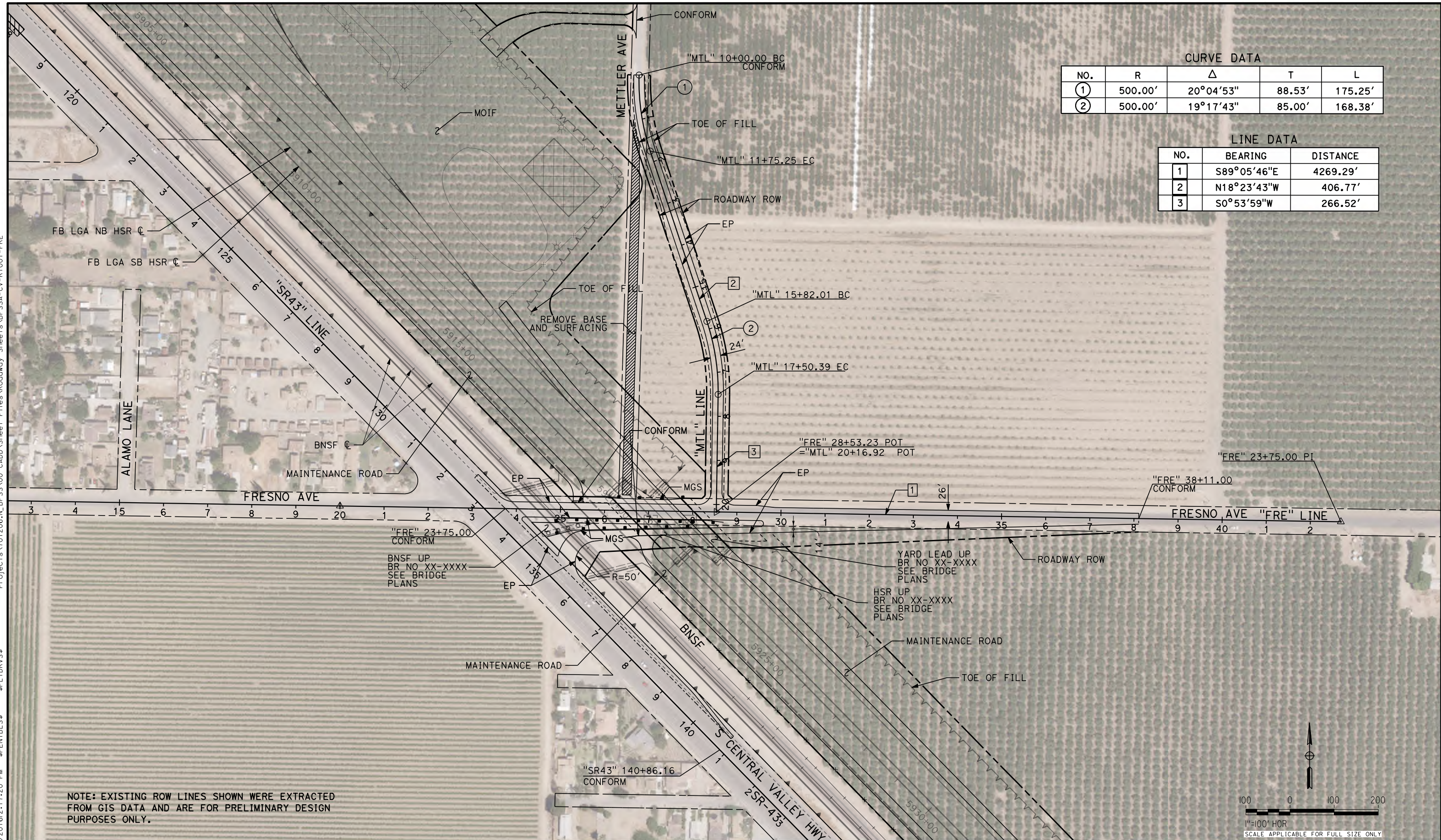
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-B0040
SCALE
AS SHOWN
SHEET NO.

Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1001-FRE
 \$PLTDRVS\$
 \$PENTBL\$
 10/28/2016 2:17:20 PM



CURVE DATA

NO.	R	Δ	T	L
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②	500.00'	19°17'43"	85.00'	168.38'

LINE DATA

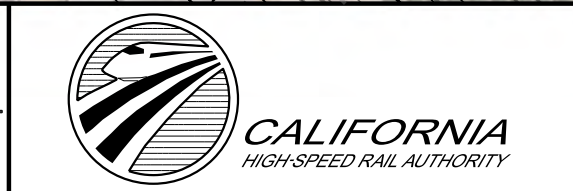
NO.	BEARING	DISTANCE
1	S89°05'46"E	4269.29'
2	N18°23'43"W	406.77'
3	S0°53'59"W	266.52'

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
P. BOCTOR
 DRAWN BY
P. BOCTOR
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

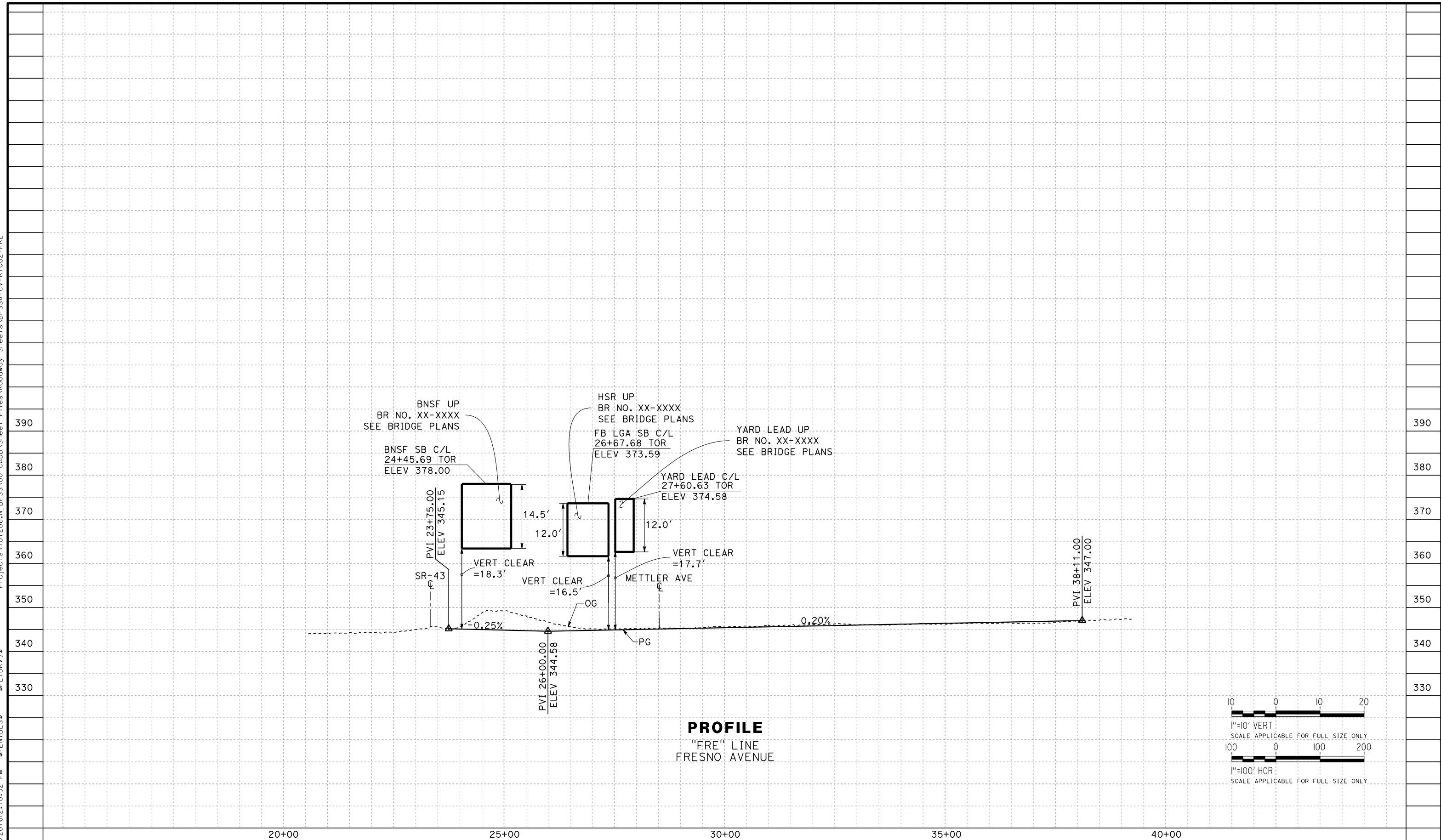
**RECORD SET
 PEPD DESIGN
 SUBMISSION**



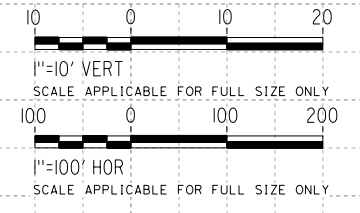
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY LAYOUT
 FRESNO AVE/METTLER AVE

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-R1001
 SCALE
AS SHOWN
 SHEET NO.

TYL\rcor\1101028\2016\210:32 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1002-FRE



PROFILE
"FRE" LINE
FRESNO AVENUE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
P. BOCTOR
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION

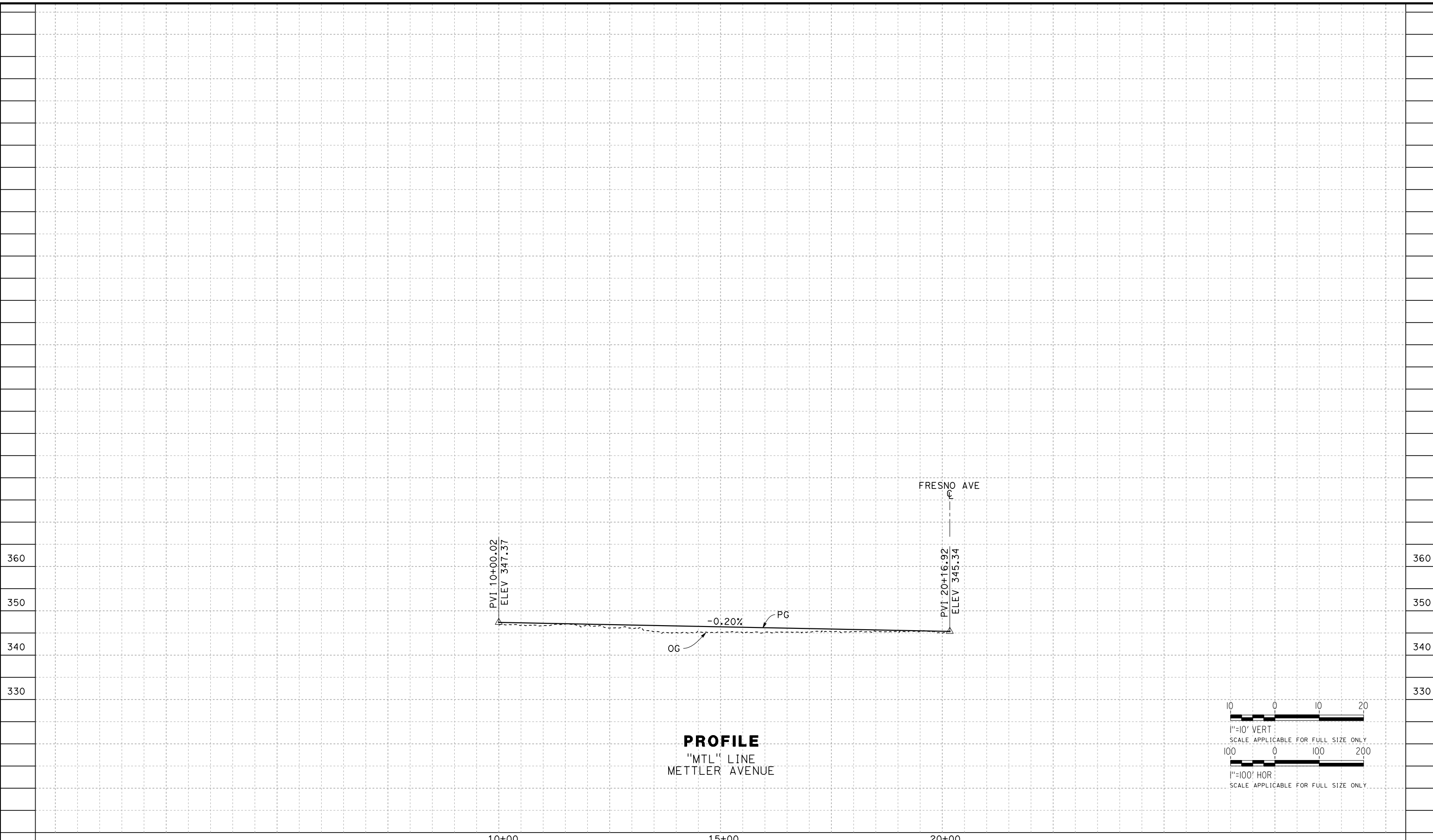
TYLIN INTERNATIONAL



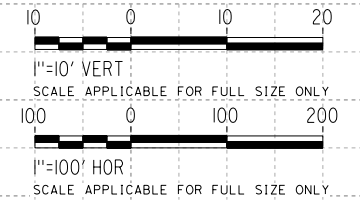
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY PROFILE
FRESNO AVE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1002
SCALE
AS SHOWN
SHEET NO.

TYL\rcor\1101028\2016\210:49 PM \$PENTBL\$.S\$ \$PLTDRVS\$.S\$ Projects\701206.N.BFSS\00 CADD\Sheet Files\Roadway_Sheets\BFSSA-CV-R1003-FRE



PROFILE
"MTL" LINE
METTLER AVENUE



10+00 15+00 20+00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
P. BOCTOR
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



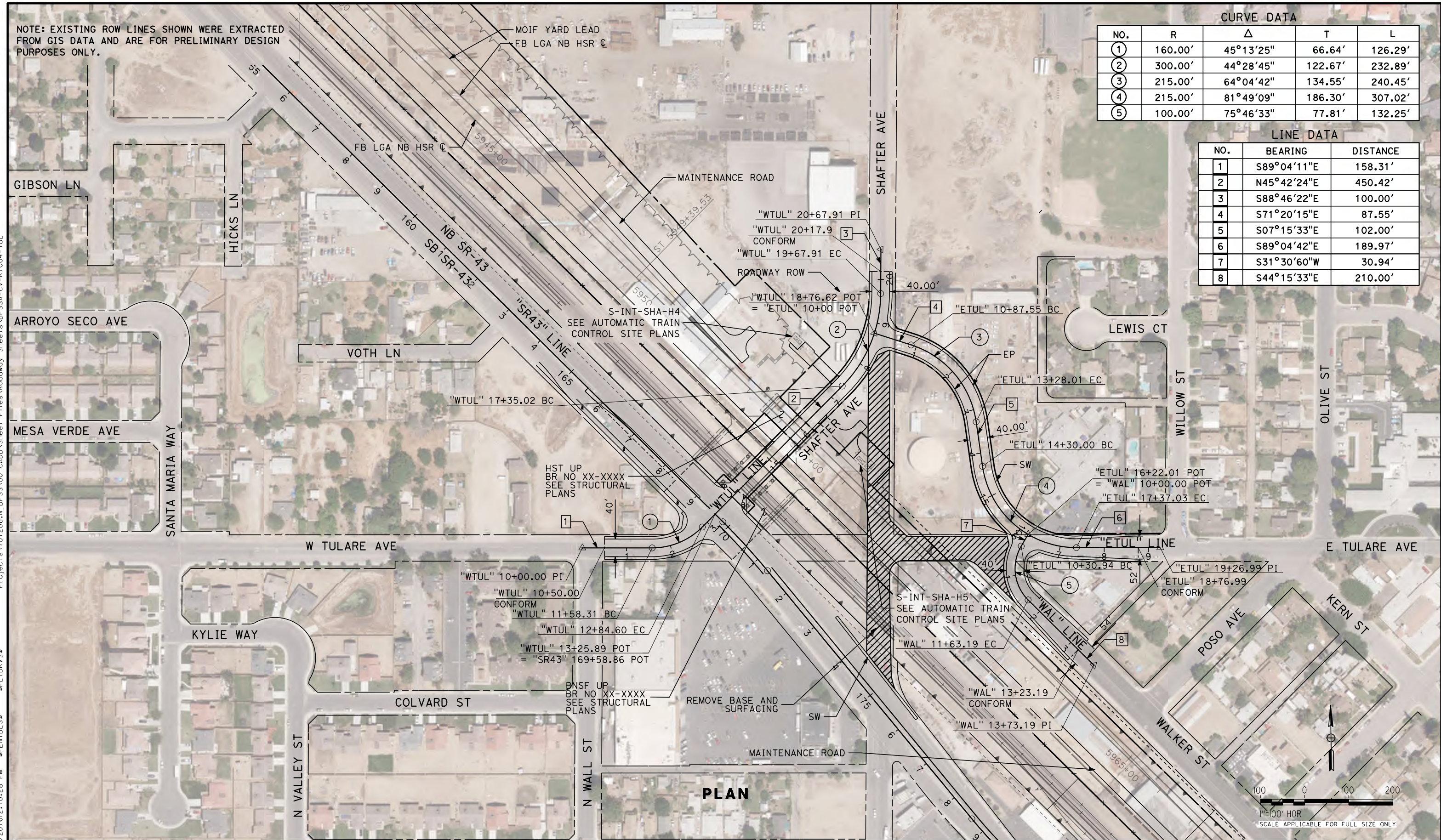
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY PROFILE
METTLER AVE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1003
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

CURVE DATA				
NO.	R	Δ	T	L
①	160.00'	45°13'25"	66.64'	126.29'
②	300.00'	44°28'45"	122.67'	232.89'
③	215.00'	64°04'42"	134.55'	240.45'
④	215.00'	81°49'09"	186.30'	307.02'
⑤	100.00'	75°46'33"	77.81'	132.25'

LINE DATA		
NO.	BEARING	DISTANCE
1	S89°04'11"E	158.31'
2	N45°42'24"E	450.42'
3	S88°46'22"E	100.00'
4	S71°20'15"E	87.55'
5	S07°15'33"E	102.00'
6	S89°04'42"E	189.97'
7	S31°30'60"W	30.94'
8	S44°15'33"E	210.00'



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
N. OLINO
DRAWN BY
N. OLINO
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**

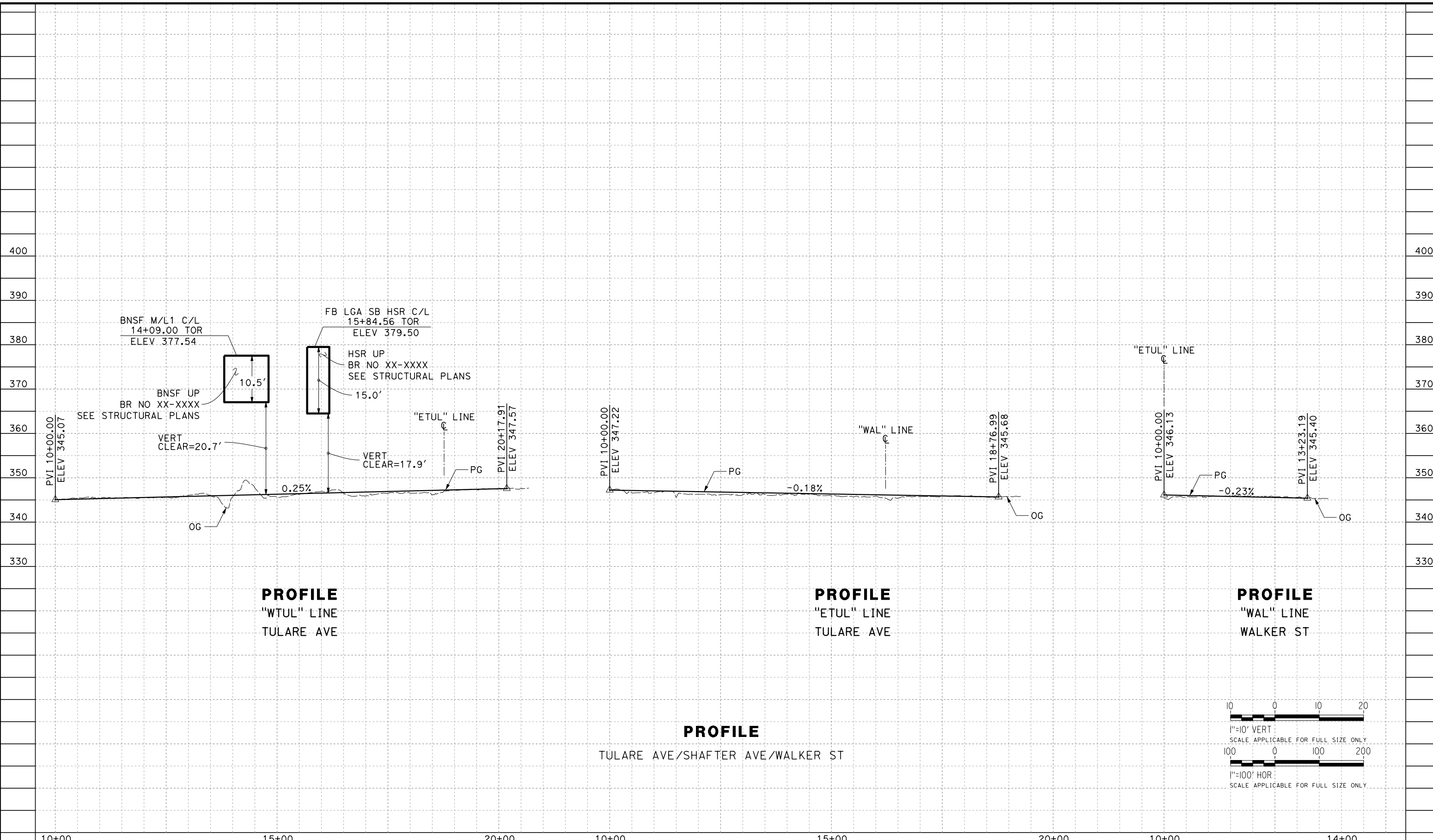


**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY LAYOUT
TULARE AVE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1004
SCALE
AS SHOWN
SHEET NO.

Projects\701206.N.BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-R1004-TUL

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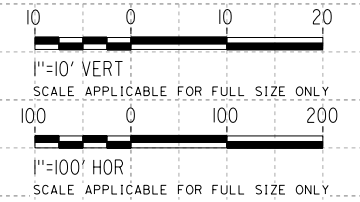


PROFILE
"WTUL" LINE
TULARE AVE

PROFILE
"ETUL" LINE
TULARE AVE

PROFILE
"WAL" LINE
WALKER ST

PROFILE
TULARE AVE/SHAFTER AVE/WALKER ST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
N. OLINO
DRAWN BY
N. OLINO
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY PROFILE
TULARE AVE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1005
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

LINE DATA		
NO.	BEARING	DISTANCE
1	N45°34'32"E	587.17'

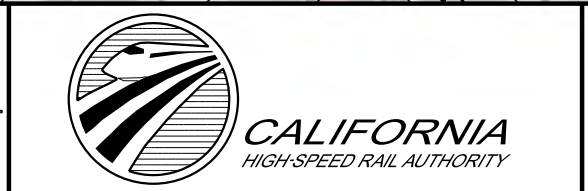


Projects\701206.N.BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-R1006-CEN
 \$PLTDRVS\$ \$PLTDRVS\$ \$PENTBLS\$ \$PENTBLS\$
 TYLIN\corr\1101028\2016\21:17:03 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. DRULINER
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

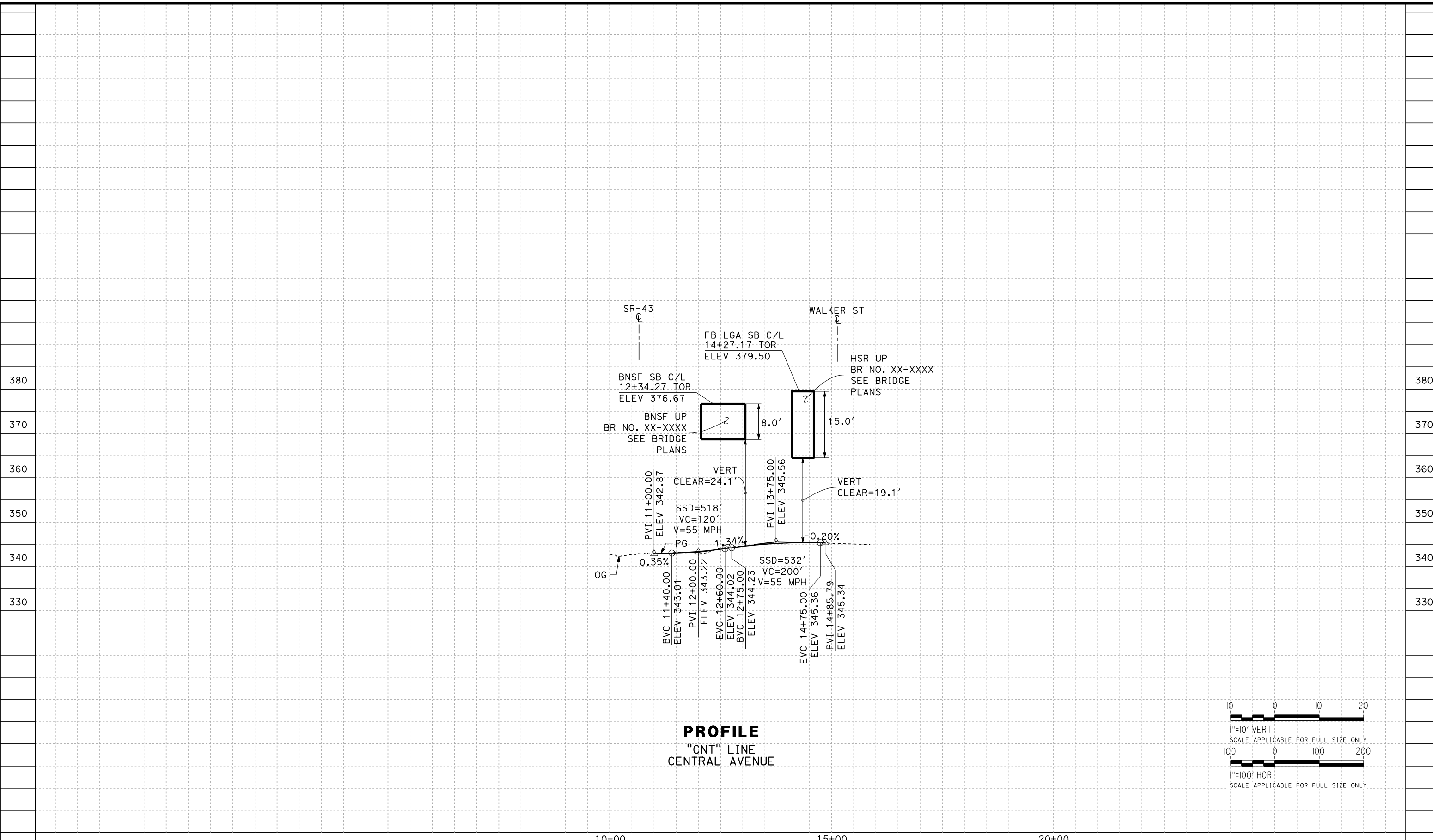
RECORD SET
PEPD DESIGN
SUBMISSION



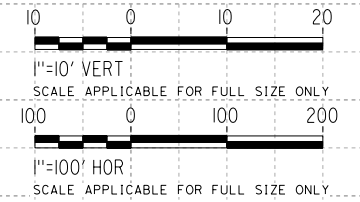
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY LAYOUT
 CENTRAL AVE

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-R1006
 SCALE
AS SHOWN
 SHEET NO.

TYL\rcor\1101028\2016\2:09:38 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1007-CEN



PROFILE
"CNT" LINE
CENTRAL AVENUE



10+00

15+00

20+00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



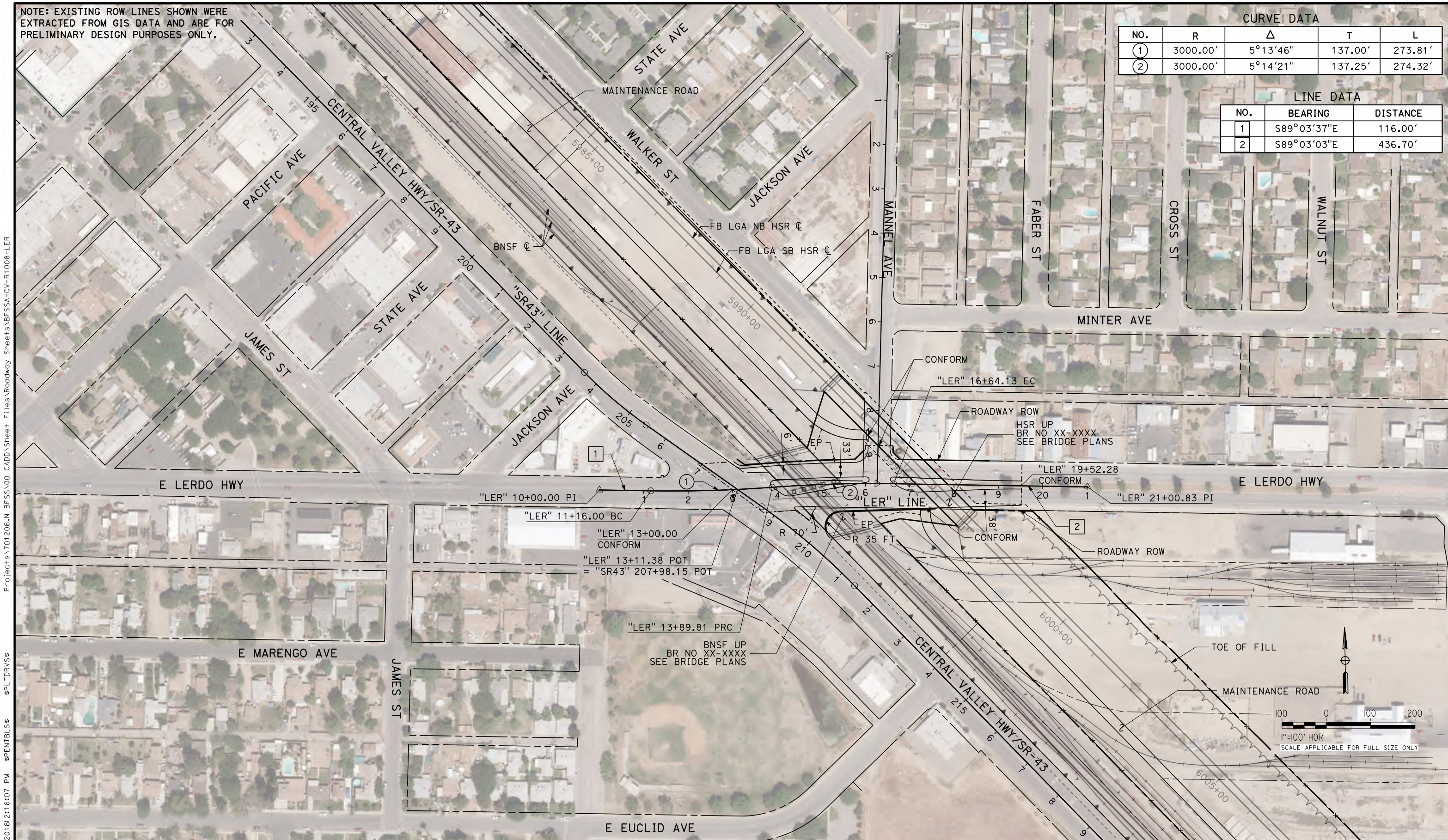
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY PROFILE
CENTRAL AVE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1007
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

CURVE DATA				
NO.	R	Δ	T	L
①	3000.00'	5°13'46"	137.00'	273.81'
②	3000.00'	5°14'21"	137.25'	274.32'

LINE DATA		
NO.	BEARING	DISTANCE
1	S89°03'37"E	116.00'
2	S89°03'03"E	436.70'

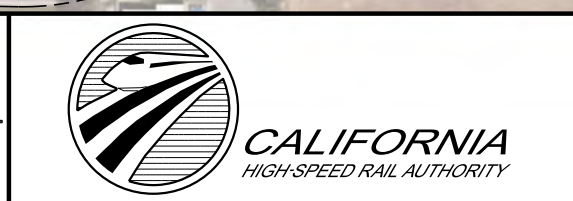


Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1008-LER
 \$PLTDRVS\$
 \$PENTBL\$
 10/28/2016 2:16:07 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. DRULINER
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

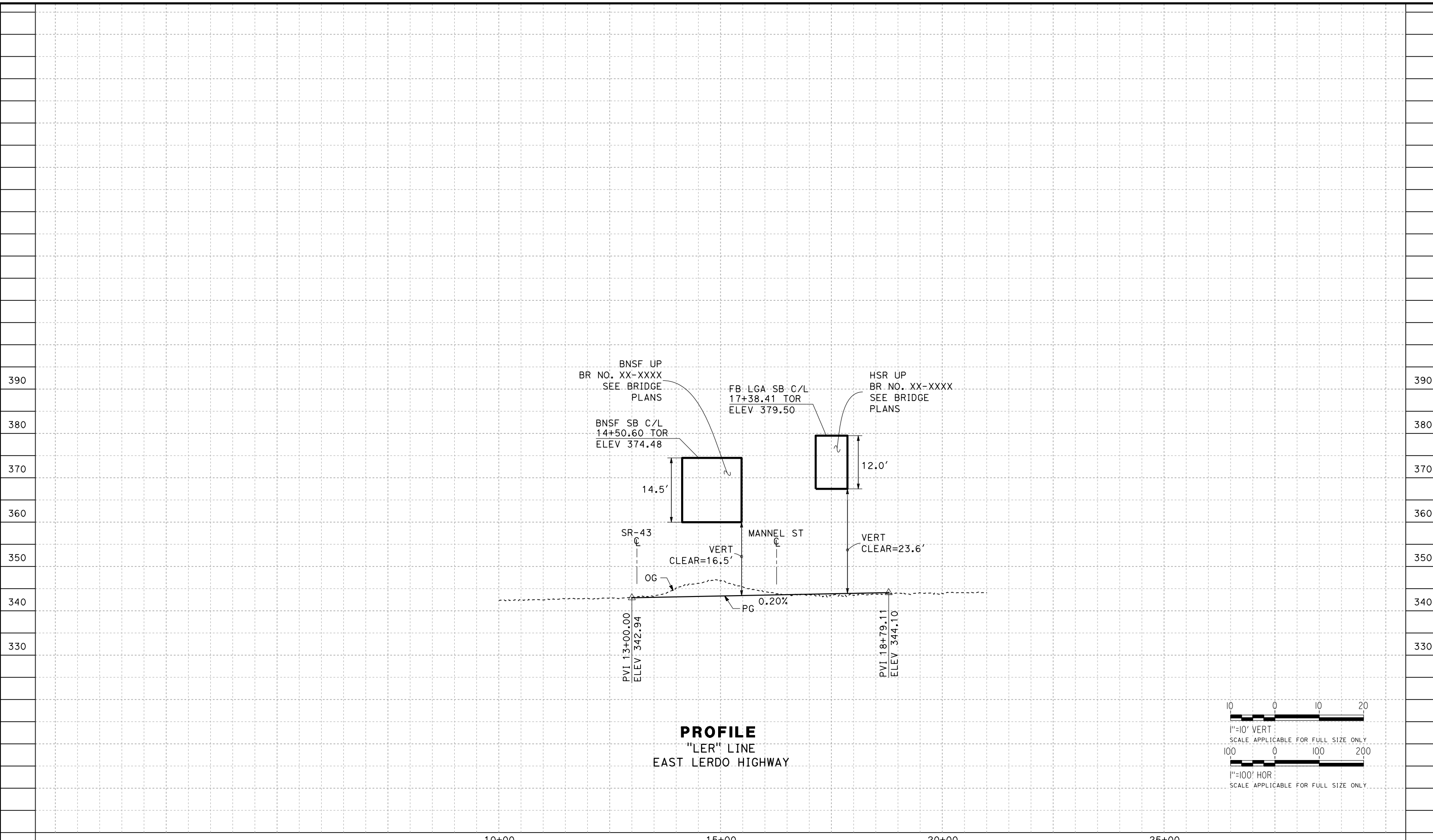
RECORD SET
PEPD DESIGN
SUBMISSION



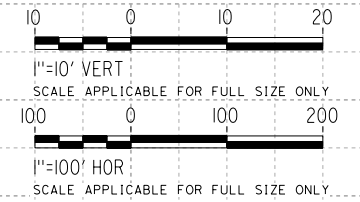
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY LAYOUT
 E LERDO HWY

CONTRACT NO.
 HSR13-44
 DRAWING NO.
 CV-R1008
 SCALE
 AS SHOWN
 SHEET NO.

TYLIN\corporate\10/28/2016\2:10:33 PM \$PENTBL\$ \$PLTDRV\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1009-LER



PROFILE
"LER" LINE
EAST LERDO HIGHWAY



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



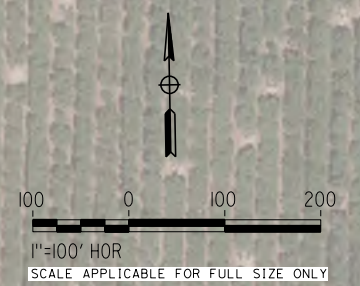
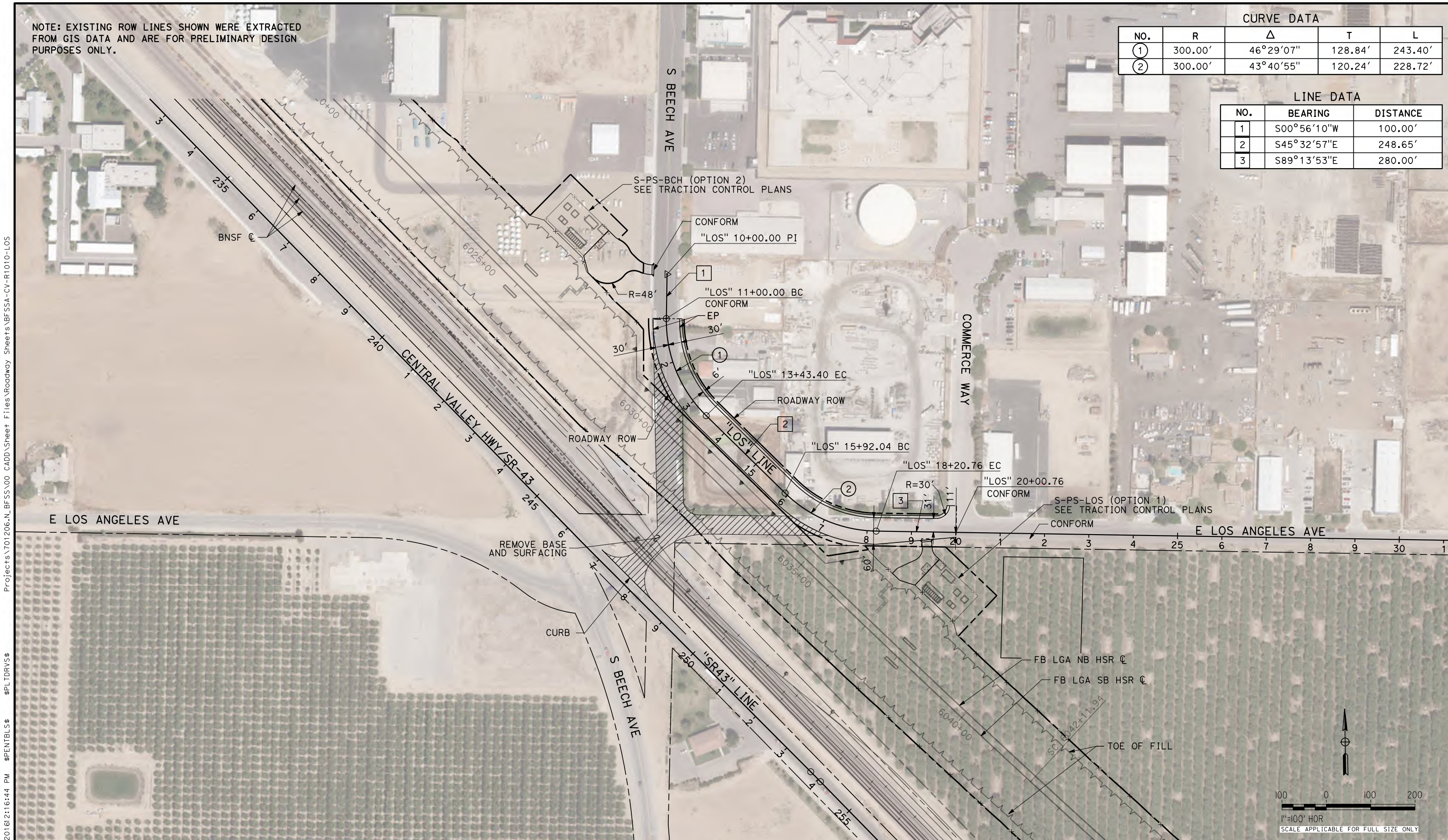
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY PROFILE
E LERDO HWY

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1009
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

CURVE DATA				
NO.	R	Δ	T	L
①	300.00'	46°29'07"	128.84'	243.40'
②	300.00'	43°40'55"	120.24'	228.72'

LINE DATA		
NO.	BEARING	DISTANCE
1	S00°56'10"W	100.00'
2	S45°32'57"E	248.65'
3	S89°13'53"E	280.00'

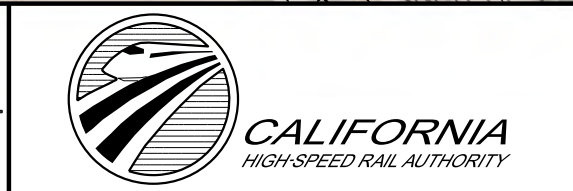


Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-R1010-LOS
 \$PLTDRVS\$
 \$PENTBLS\$
 TYLIN\corr\11010\10/28/2016\12:16:44 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. DRULINER
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

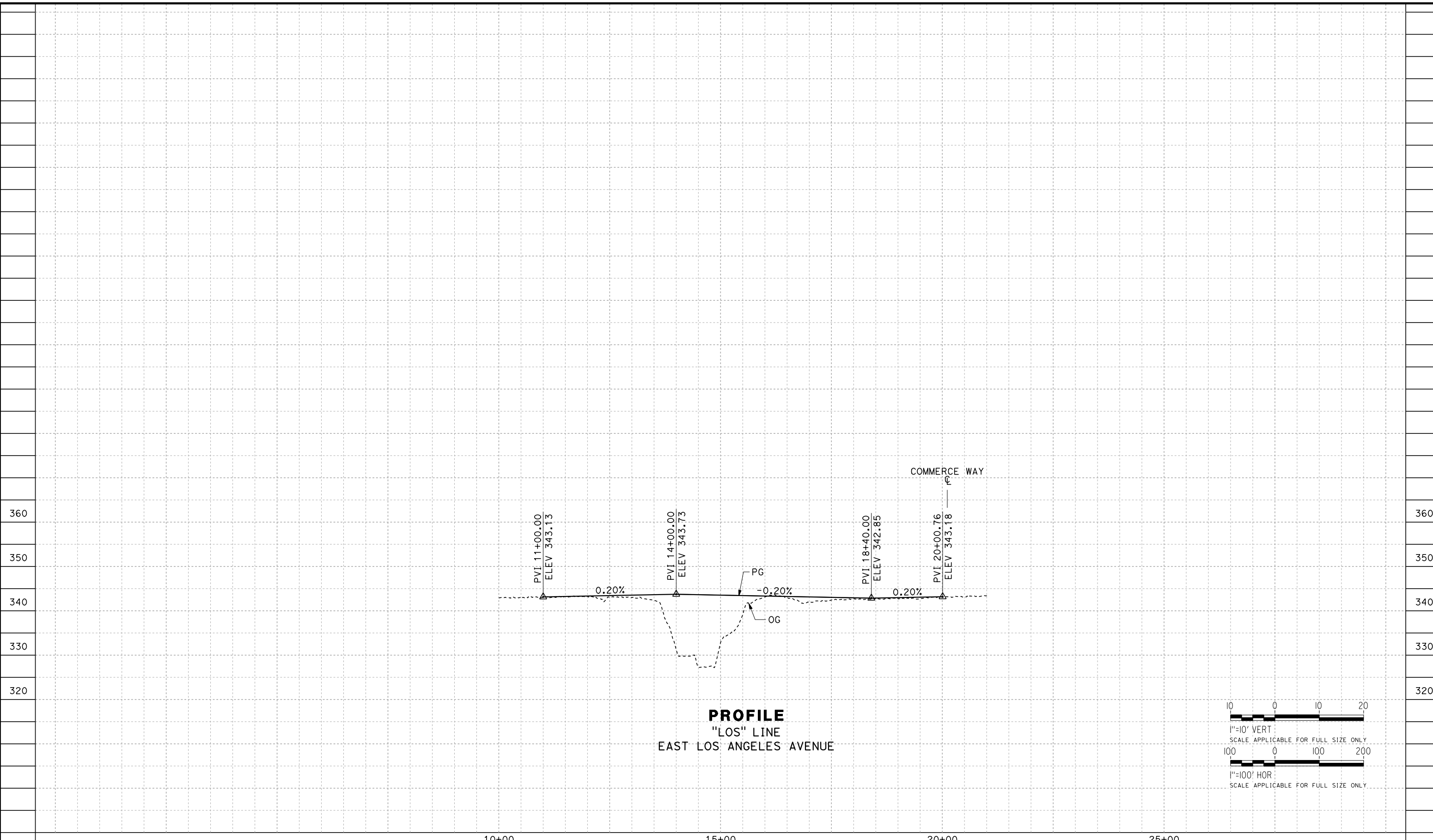
RECORD SET
PEPD DESIGN
SUBMISSION



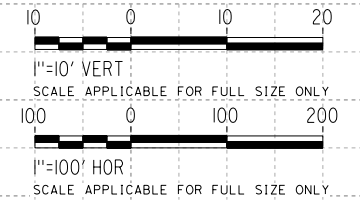
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY LAYOUT
 E LOS ANGELES AVE

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-R1010
 SCALE
AS SHOWN
 SHEET NO.

TYL\rcor\11o10\28\2016\2:09:40 PM \$PENTBL\$.S\$ \$PLTDRVS\$.S\$ Projects\701206.N.BFSS\00 CADD\Sheet Files\Roadway_Sheets\BFSSA-CV-R1011-LOS



PROFILE
"LOS" LINE
EAST LOS ANGELES AVENUE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY PROFILE
E LOS ANGELES AVE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1011
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

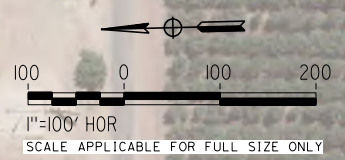
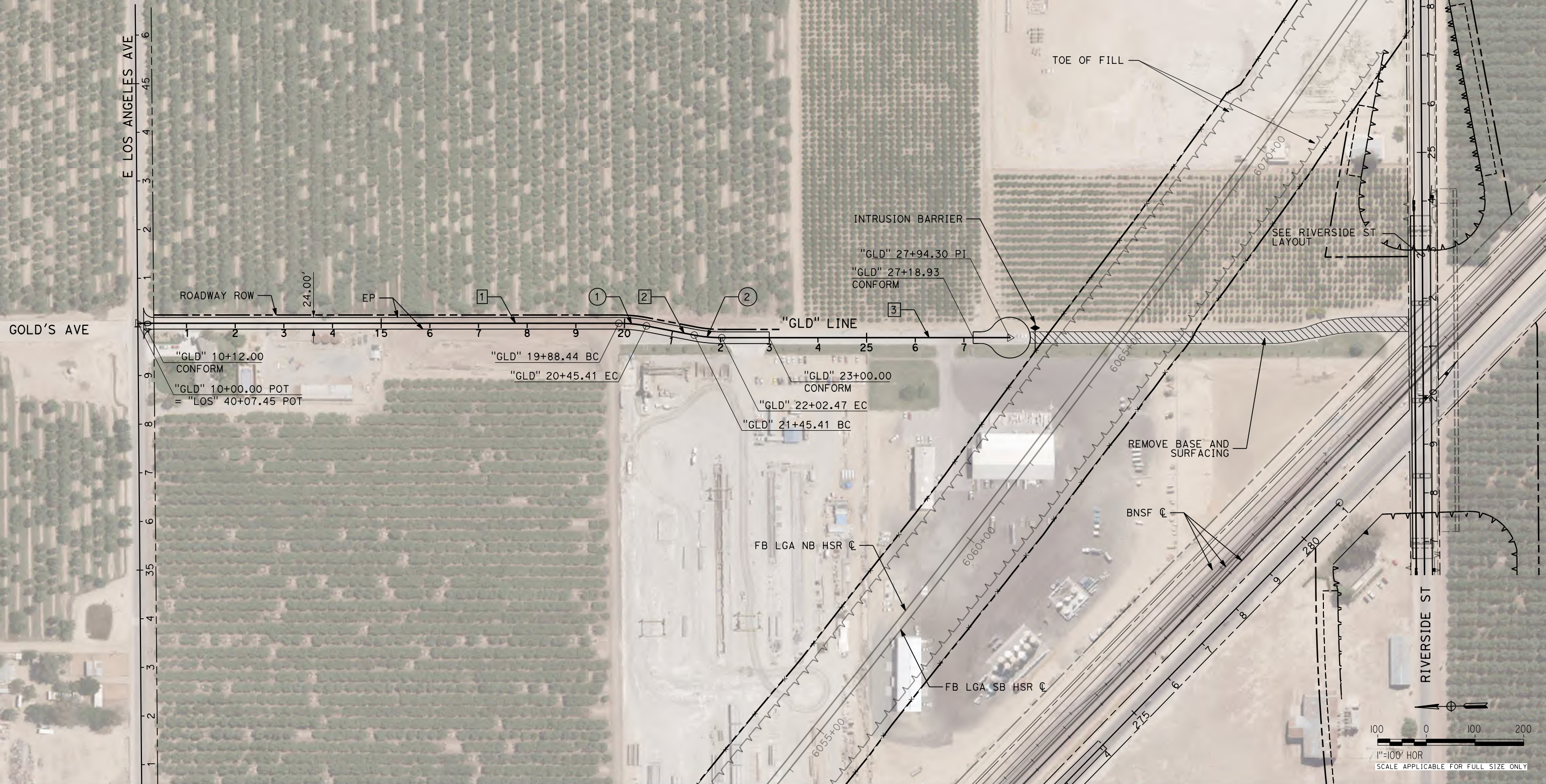
CURVE DATA

NO.	R	Δ	T	L
①	300.00'	10°52'45"	28.57'	56.96'
②	300.00'	10°53'55"	28.62'	57.06'

LINE DATA

NO.	BEARING	DISTANCE
1	S01°23'31"W	988.44'
2	N12°16'17"E	100.00'
3	S01°22'22"W	591.831

Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-R1012-GLD
 \$PLTDRVS\$
 \$PENTBLS\$
 10/28/2016 2:11:54 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
N. OLINO
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

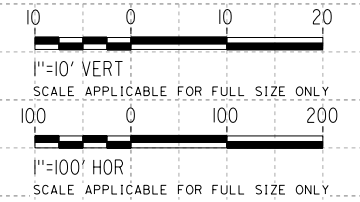
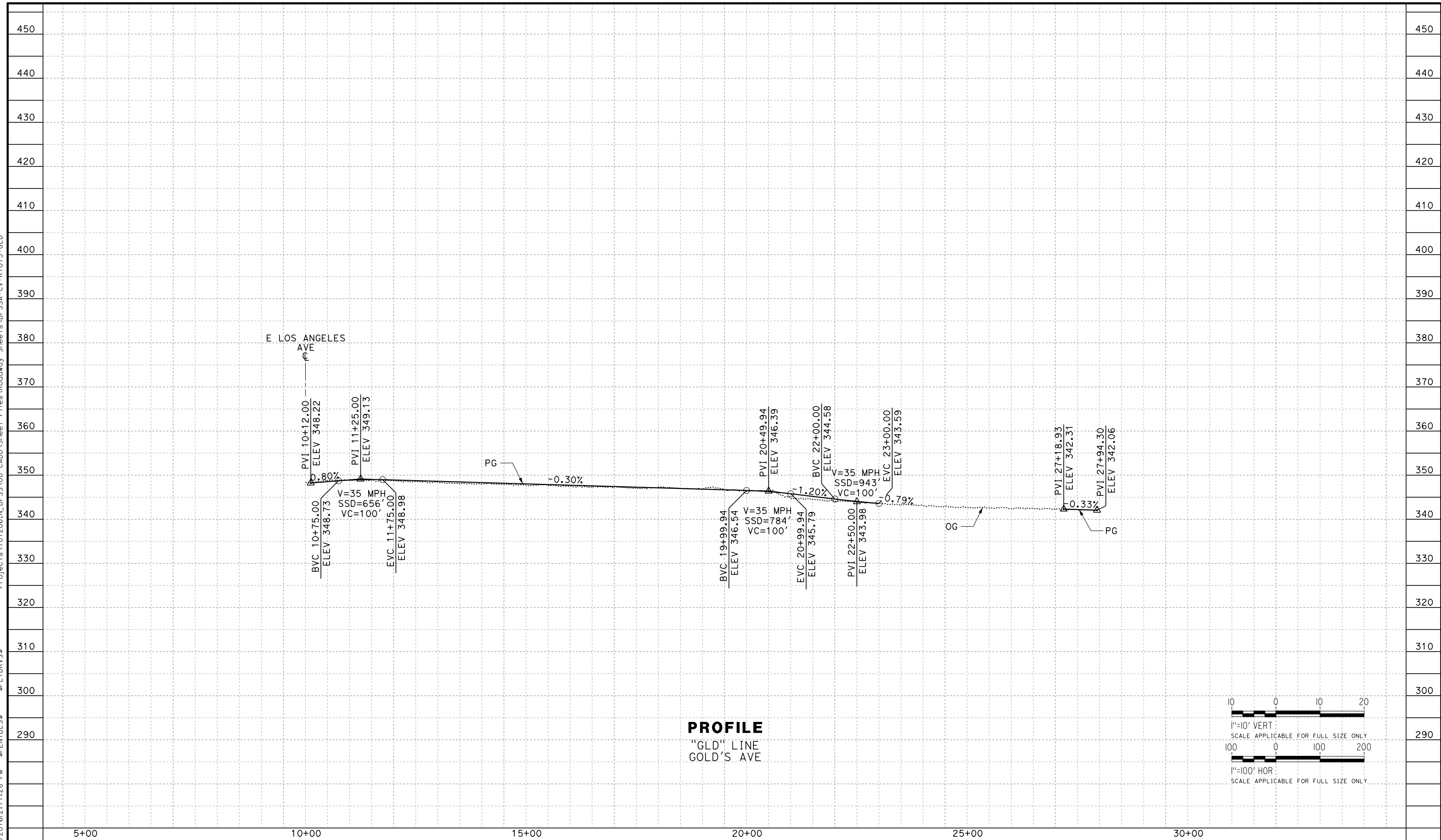
**RECORD SET
PEPD DESIGN
SUBMISSION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY LAYOUT
 GOLD'S AVE

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-R1012
 SCALE
AS SHOWN
 SHEET NO.

TYL\rcor\11010\28\2016\211:28 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N.BFSS\00 CADD\Sheet Files\Roadway Sheets\BFSSA-CV-R1013-GLD



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
N. OLINO

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY PROFILE
GOLD'S AVE

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-R1013

SCALE
AS SHOWN

SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

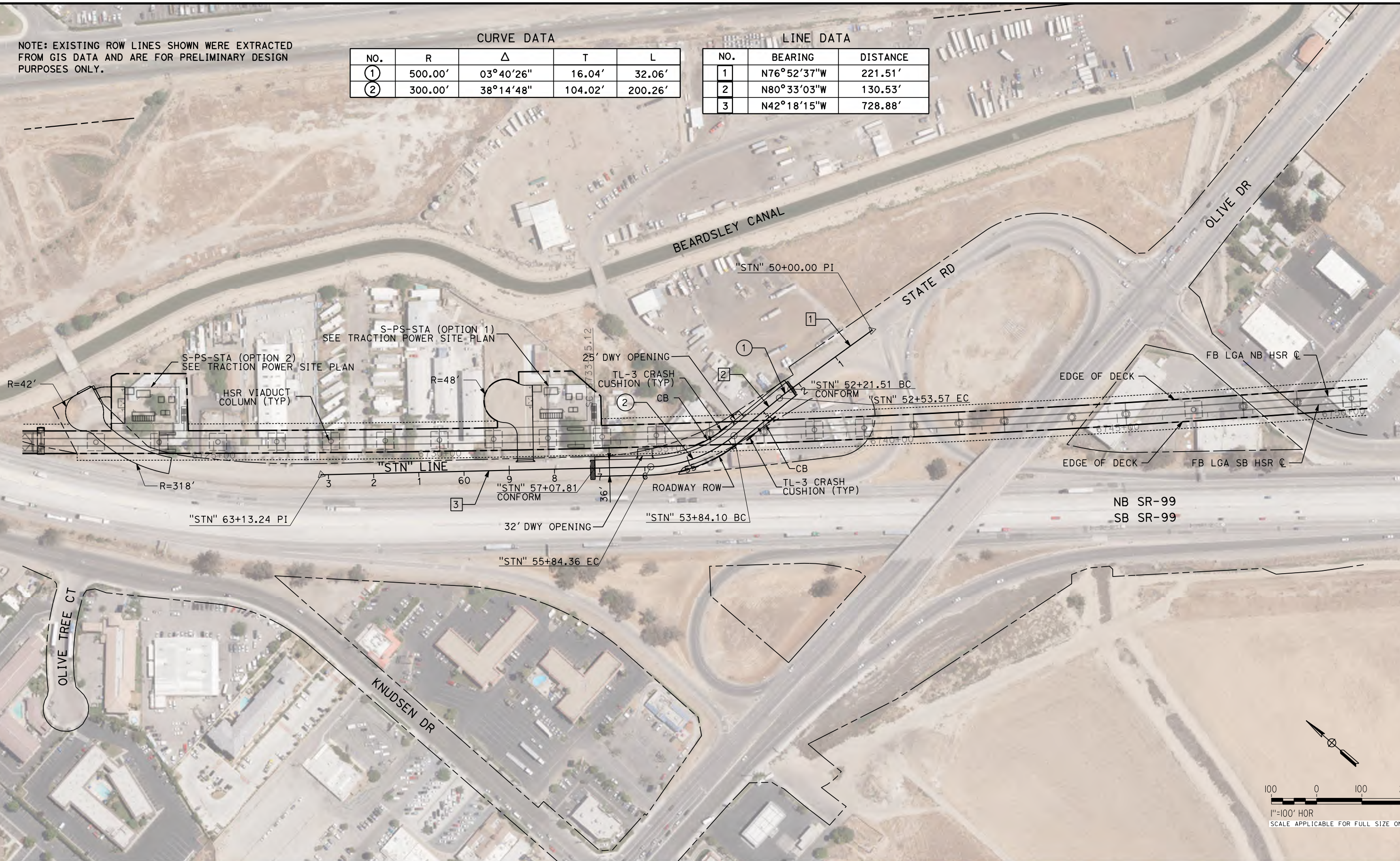
CURVE DATA

NO.	R	Δ	T	L
①	500.00'	03°40'26"	16.04'	32.06'
②	300.00'	38°14'48"	104.02'	200.26'

LINE DATA

NO.	BEARING	DISTANCE
1	N76°52'37"W	221.51'
2	N80°33'03"W	130.53'
3	N42°18'15"W	728.88'

Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-R1014-STN
 \$PLTDRVS\$ \$PENTBLS\$
 TYL\rcor\1101028\2016\216:37 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
N. OLINO
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

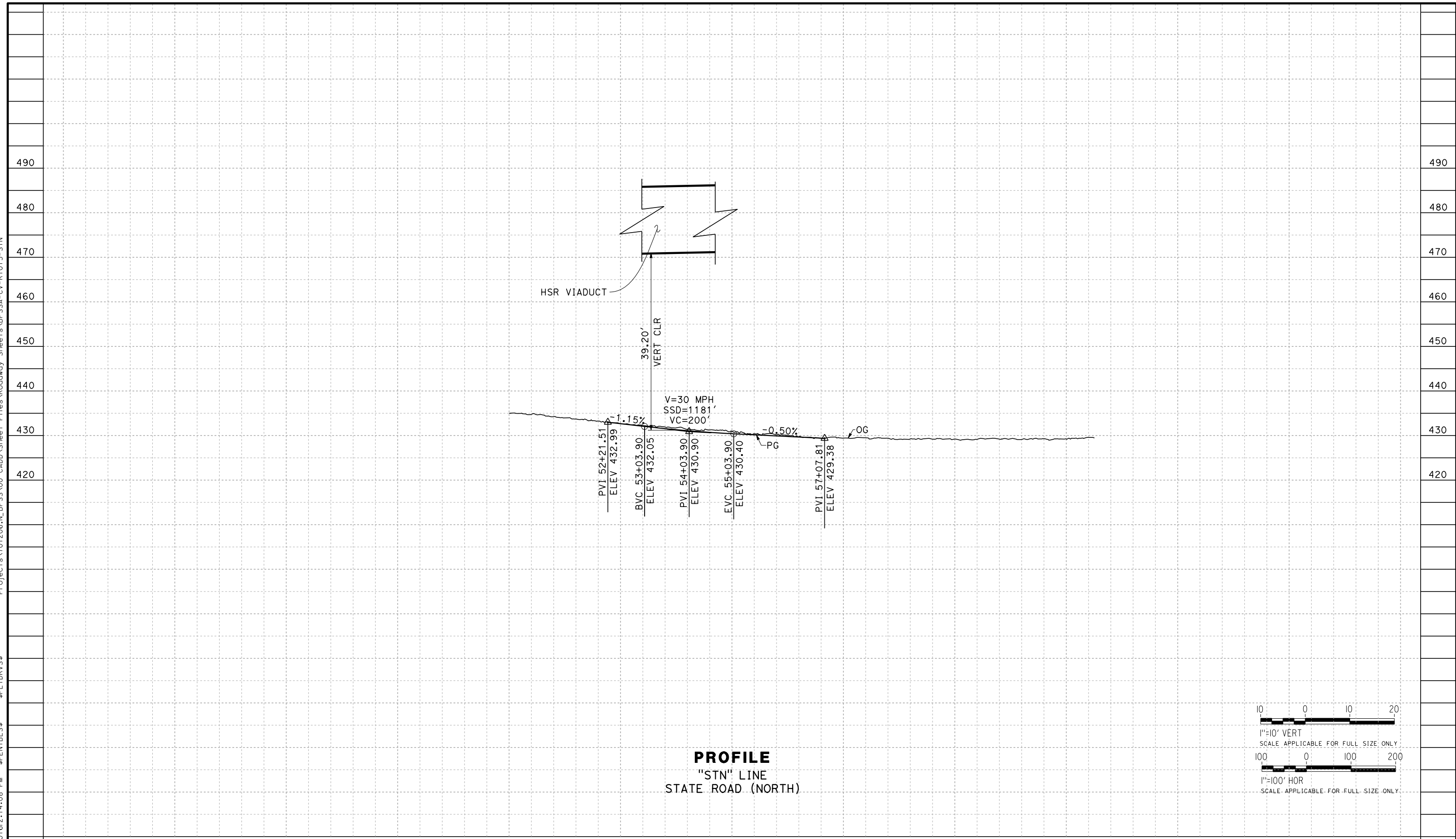
RECORD SET
PEPD DESIGN
SUBMISSION



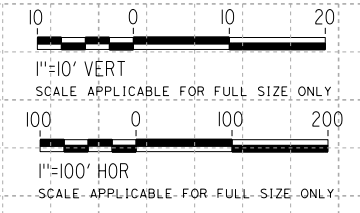
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY LAYOUT
 STATE ROAD (NORTH)

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-R1014
 SCALE
AS SHOWN
 SHEET NO.

TYL\rcor\1101028\2016\214:08 PM \$PENTBL\$.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1015-STN



PROFILE
"STN" LINE
STATE ROAD (NORTH)



STATION	40+00	45+00	50+00	55+00	60+00	65+00	TOTAL
---------	-------	-------	-------	-------	-------	-------	-------

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
N. OLINO
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY PROFILE
STATE ROAD (NORTH)

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1015
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

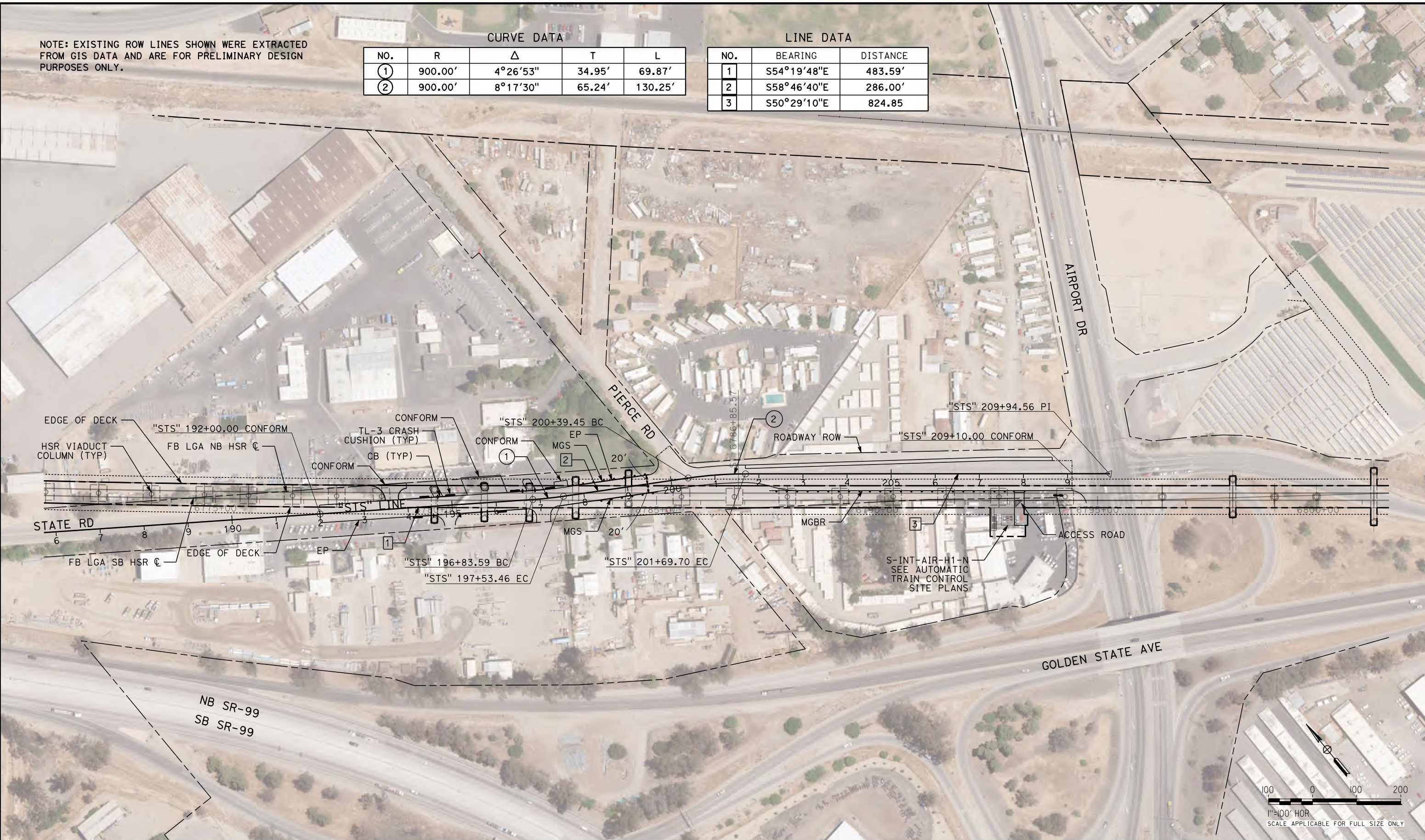
CURVE DATA

NO.	R	Δ	T	L
①	900.00'	4°26'53"	34.95'	69.87'
②	900.00'	8°17'30"	65.24'	130.25'

LINE DATA

NO.	BEARING	DISTANCE
1	S54°19'48"E	483.59'
2	S58°46'40"E	286.00'
3	S50°29'10"E	824.85

Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1016-STS \$PLTDRVS\$ \$PENTBLS\$ 10/28/2016 2:16:09 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
N. OLINO
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

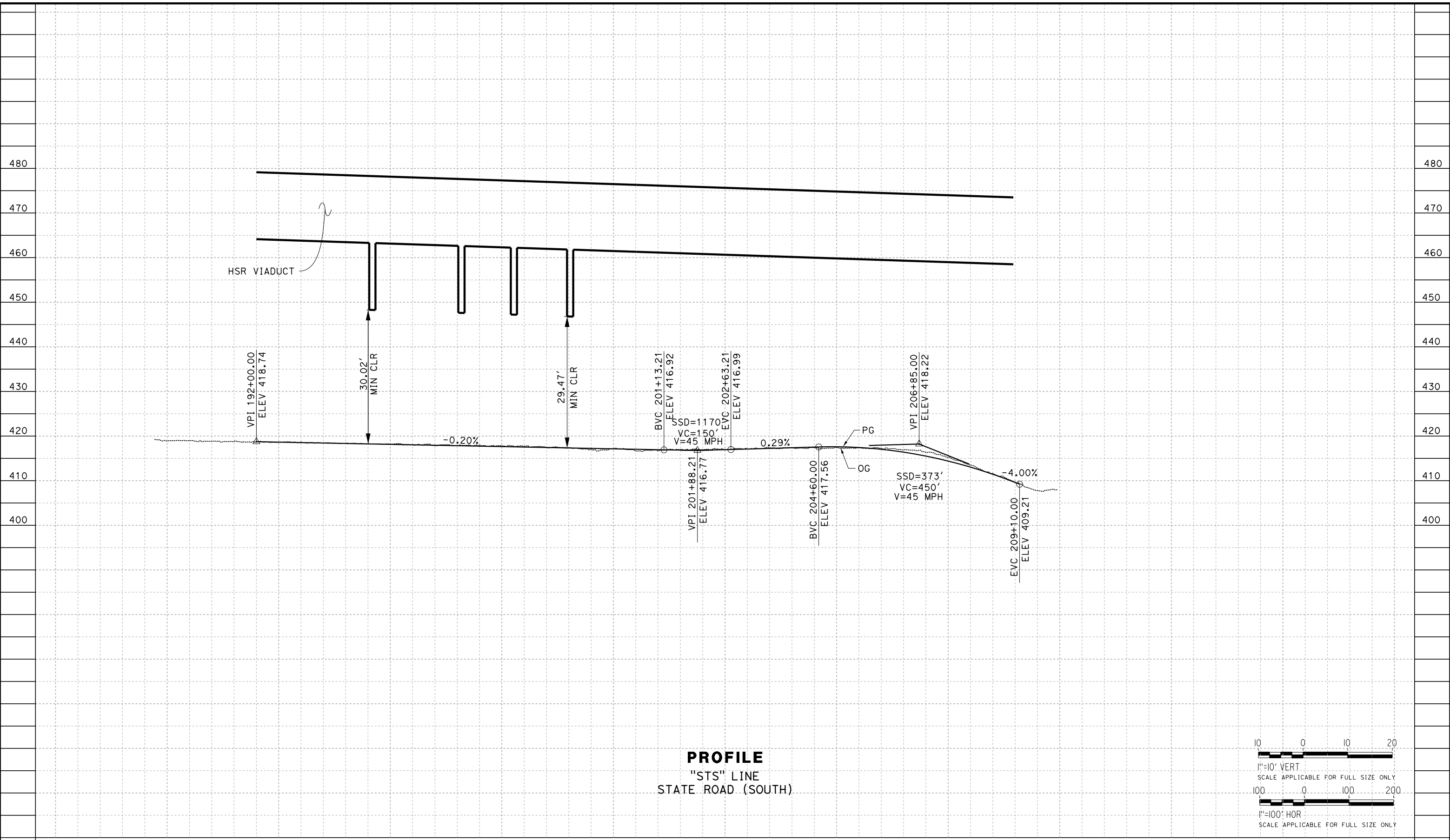
**RECORD SET
PEPD DESIGN
SUBMISSION**



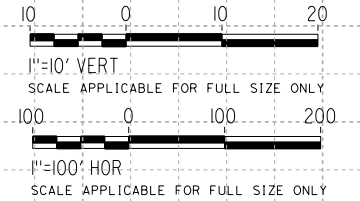
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY LAYOUT
STATE ROAD (SOUTH)

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1016
SCALE
AS SHOWN
SHEET NO.

Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway_Sheets\BFSSA-CV-R1017-STS \$PLTDRVS\$ \$PENTBL\$ \$ 10/28/2016 2:16:05 PM



PROFILE
"STS" LINE
STATE ROAD (SOUTH)



STATION					190+00	195+00	200+00	205+00	210+00	215+00	TOTAL	
REV	DATE	BY	CHK	APP	DESCRIPTION							
					DESIGNED BY H. PARK DRAWN BY N. OLINO CHECKED BY R. GONZALEZ IN CHARGE S. OLLO DATE 10/28/2016							
					RECORD SET PEPD DESIGN SUBMISSION							CONTRACT NO. HSR13-44 DRAWING NO. CV-R1017 SCALE AS SHOWN SHEET NO.

CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY PROFILE
STATE ROAD (SOUTH)

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

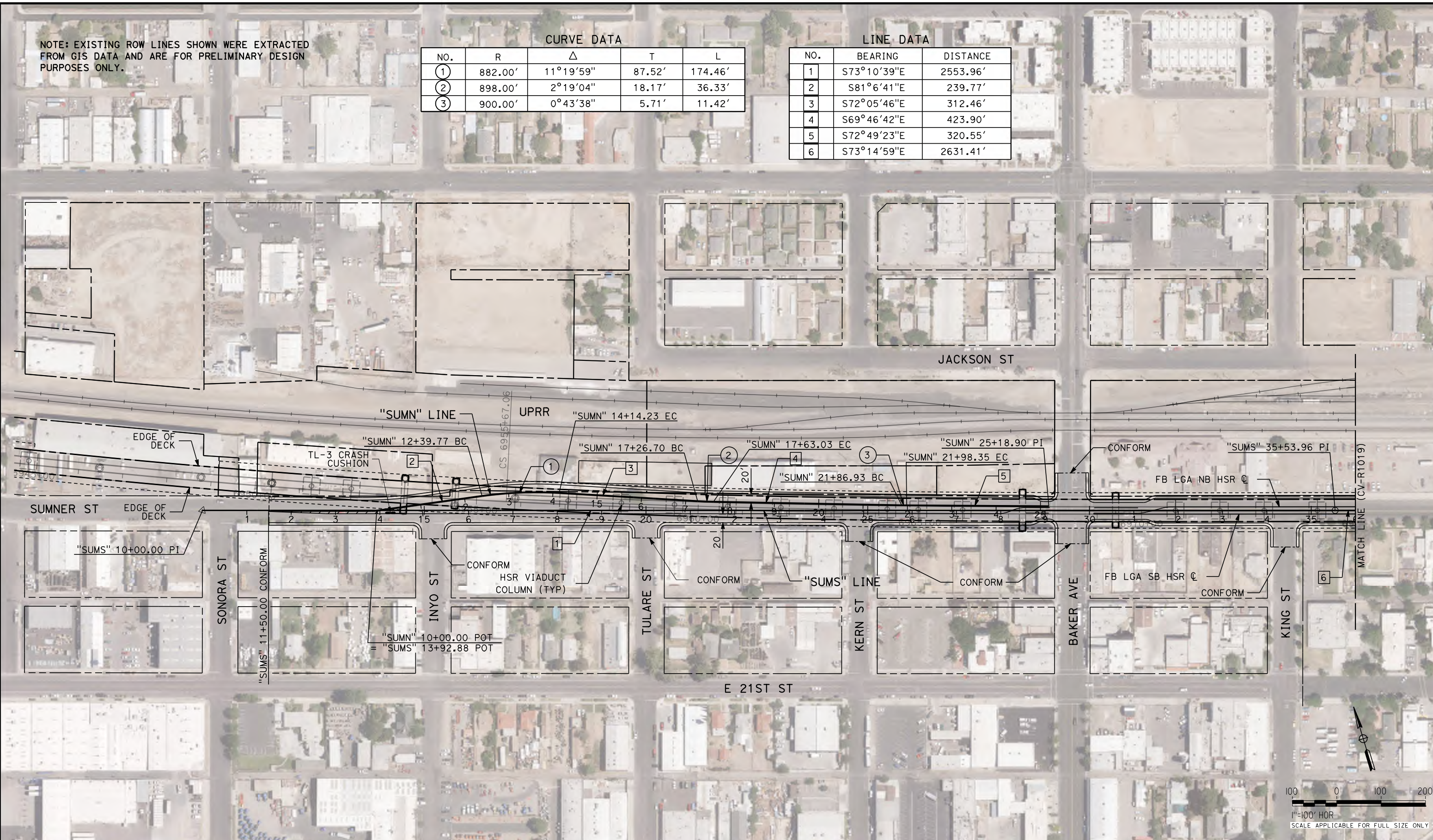
CURVE DATA

NO.	R	Δ	T	L
①	882.00'	11°19'59"	87.52'	174.46'
②	898.00'	2°19'04"	18.17'	36.33'
③	900.00'	0°43'38"	5.71'	11.42'

LINE DATA

NO.	BEARING	DISTANCE
1	S73°10'39"E	2553.96'
2	S81°6'41"E	239.77'
3	S72°05'46"E	312.46'
4	S69°46'42"E	423.90'
5	S72°49'23"E	320.55'
6	S73°14'59"E	2631.41'

Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1018-SUM \$PLTRDVS\$ \$PENTBL\$ \$DATE 10/28/2016 2:13:37 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
N. OLINO
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY LAYOUT
 SUMNER STREET

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-R1018
 SCALE
AS SHOWN
 SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

CURVE DATA

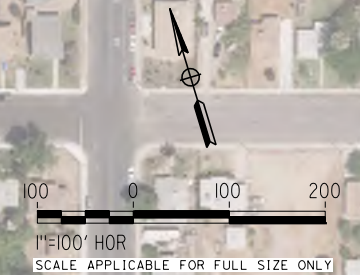
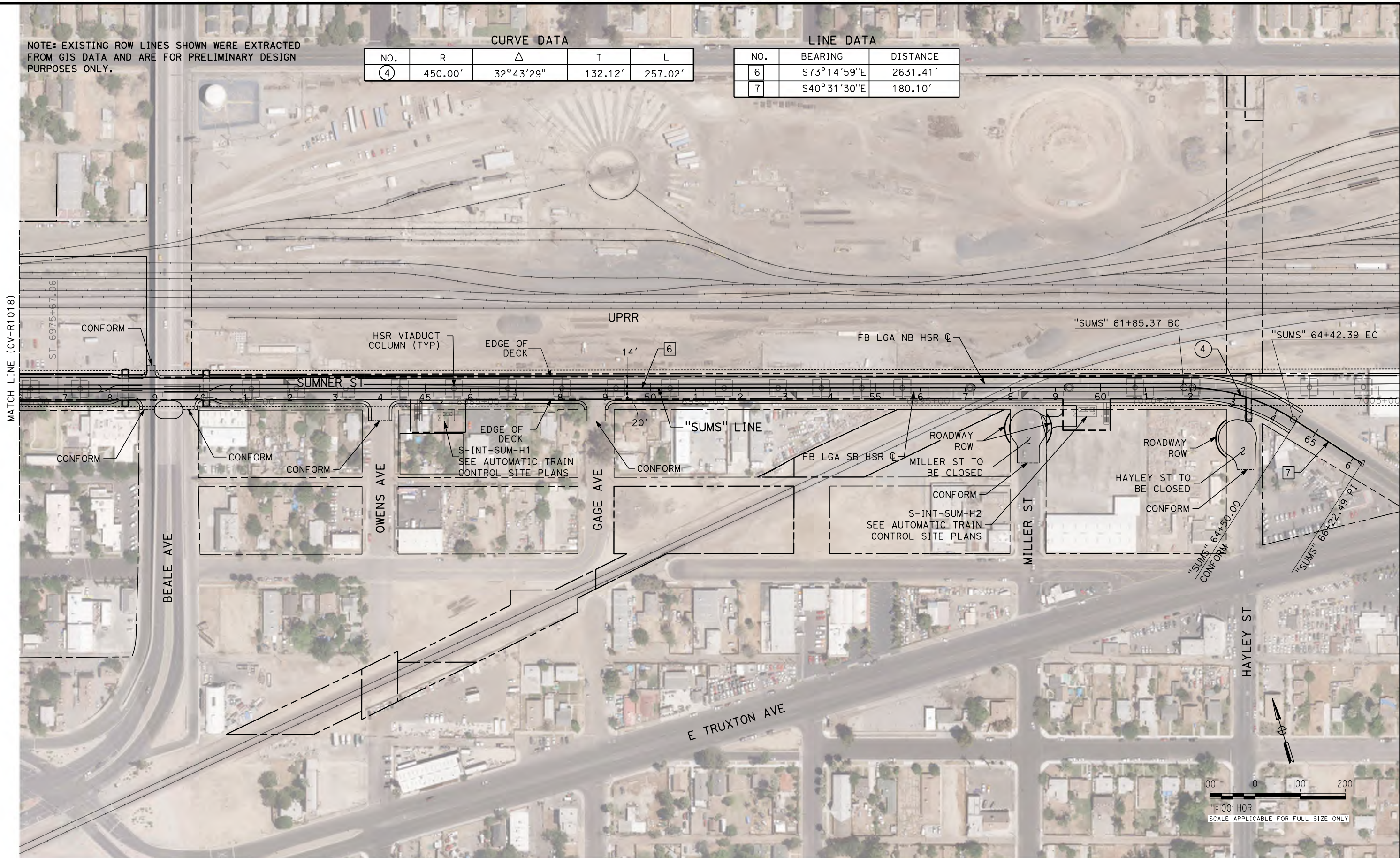
NO.	R	Δ	T	L
④	450.00'	32°43'29"	132.12'	257.02'

LINE DATA

NO.	BEARING	DISTANCE
6	S73°14'59"E	2631.41'
7	S40°31'30"E	180.10'

Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1019-SUM \$PLTDRVS\$ \$PENTBL\$ \$DATE 10/28/2016 2:14:24 PM

MATCH LINE (CV-R1018)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
N. OLINO
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

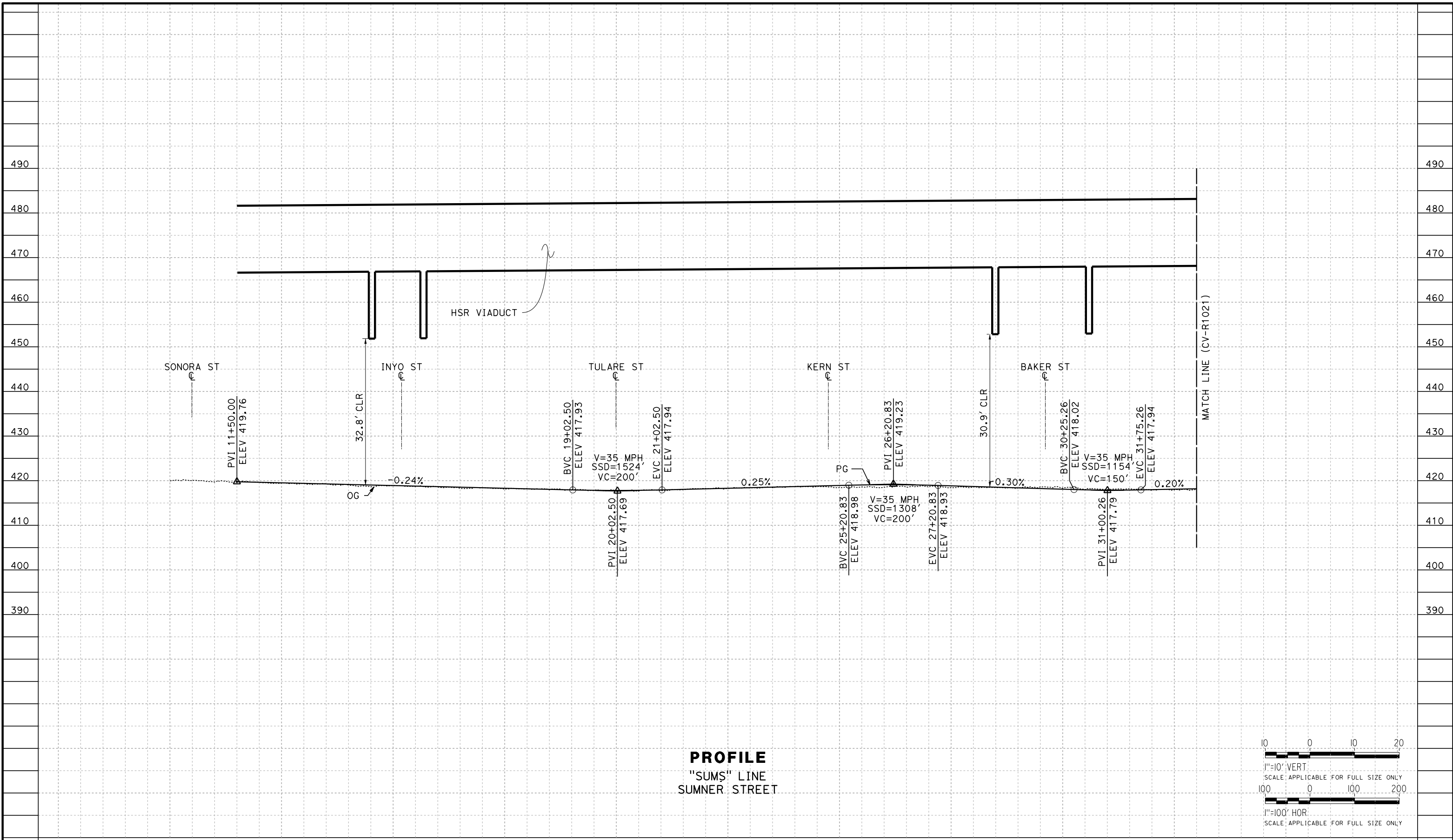
**RECORD SET
PEPD DESIGN
SUBMISSION**



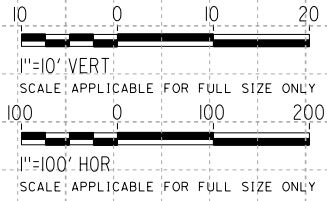
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY LAYOUT
SUMMER STREET

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1019
SCALE
AS SHOWN
SHEET NO.

Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1020-SUM \$PLTDRVS\$ \$PENTBL\$ \$ 10/28/2016 2:14:10 PM



PROFILE
 "SUMS" LINE
 SUMNER STREET



STATION	10+00	15+00	20+00	25+00	30+00	35+00	TOTAL
---------	-------	-------	-------	-------	-------	-------	-------

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
N. OLINO
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

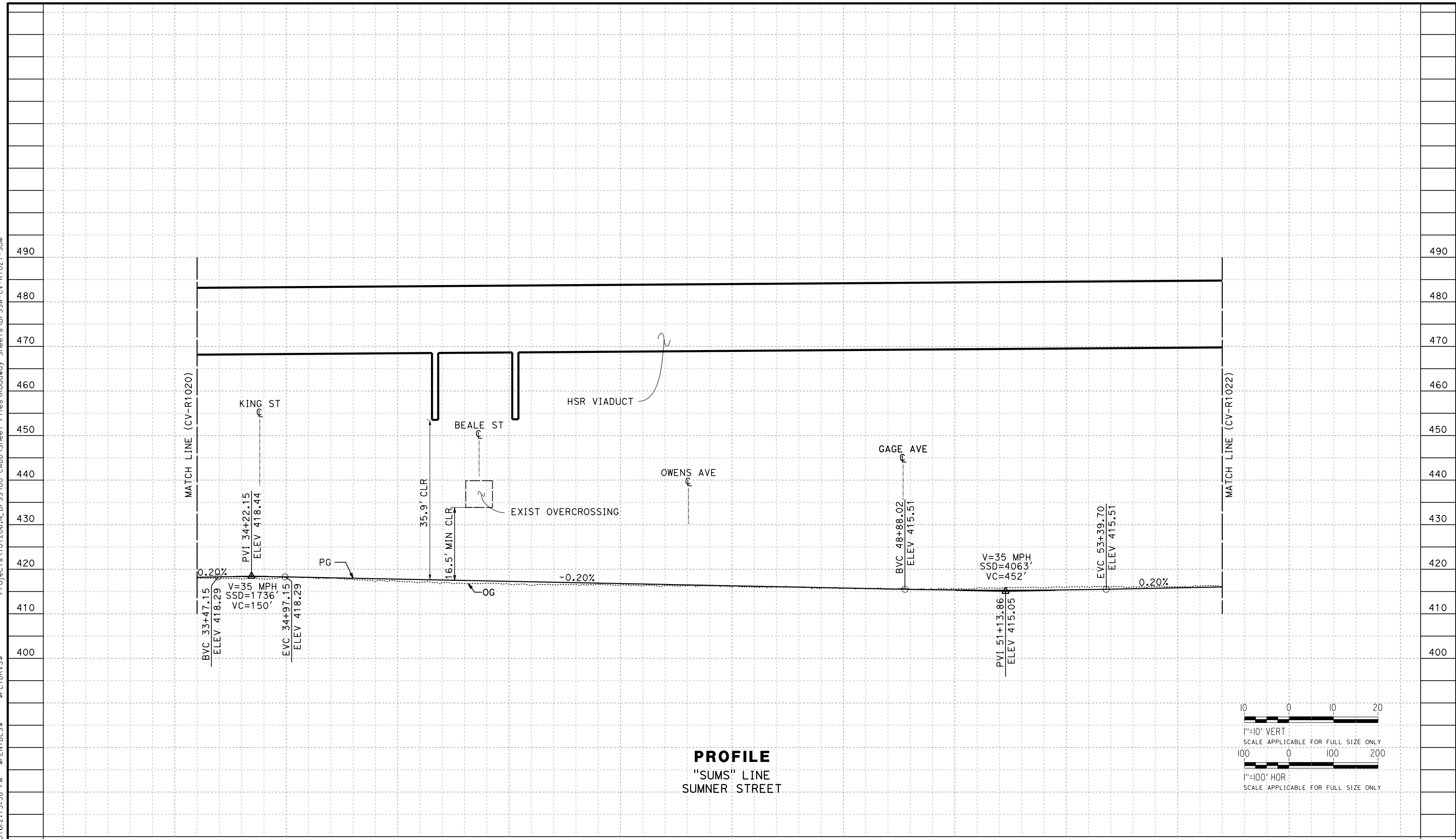
RECORD SET
PEPD DESIGN
SUBMISSION



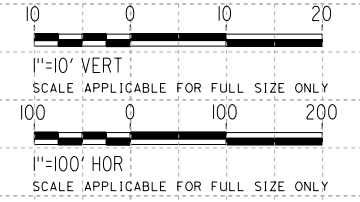
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY PROFILE
 SUMNER STREET

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-R1020
 SCALE
AS SHOWN
 SHEET NO.

TYL\rcor\11010/28/2016\2:15:38 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N.BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1021-SUM

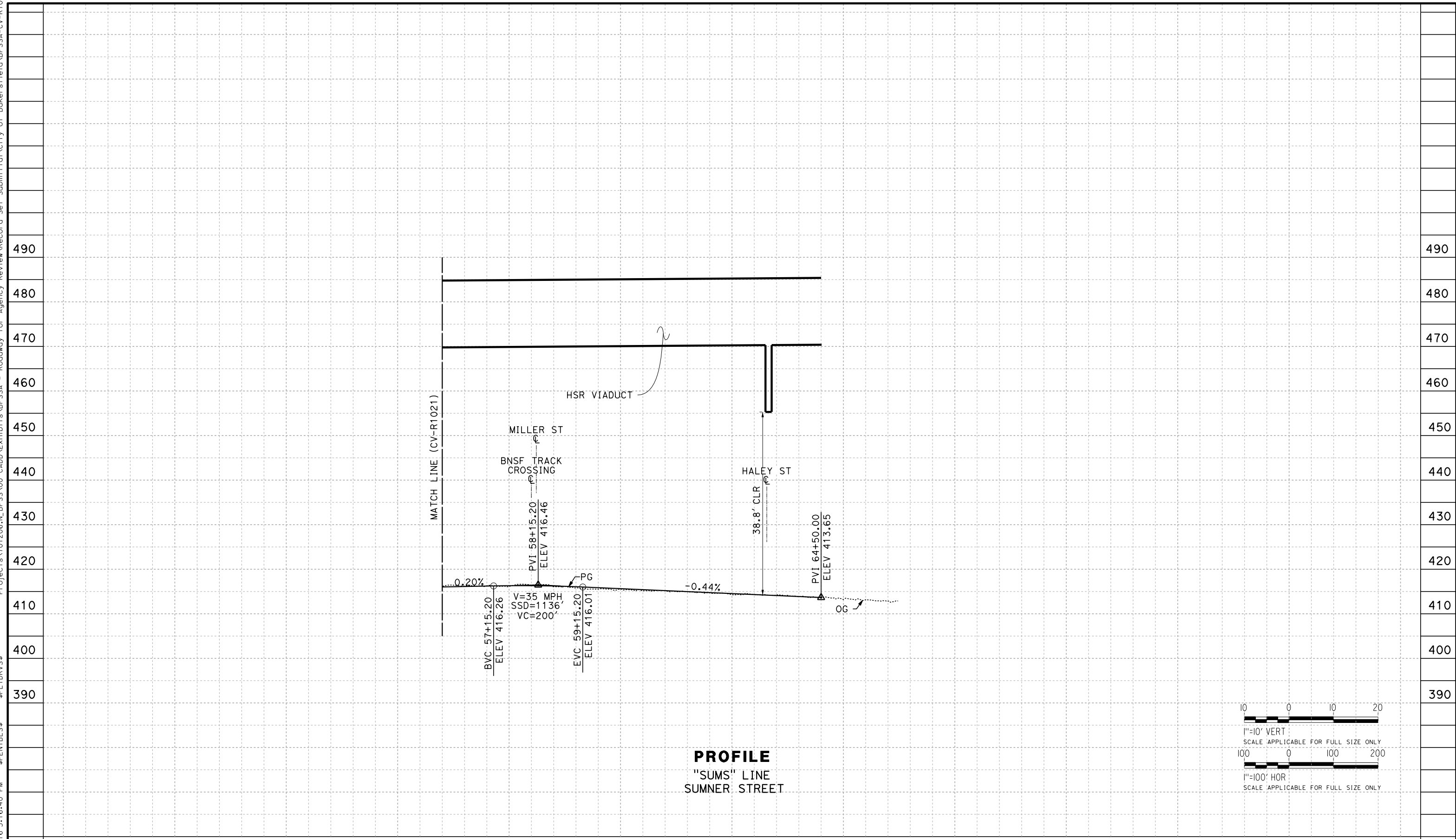


PROFILE
"SUMS" LINE
SUMNER STREET

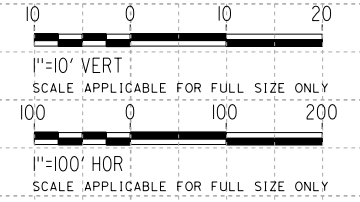


STATION					35+00	40+00	45+00	50+00	55+00	TOTAL	
DESIGNED BY	H. PARK										
DRAWN BY	N. OLINO										
CHECKED BY	R. GONZALEZ										
IN CHARGE	S. OLLO										
DATE	10/28/2016										
RECORD SET	PEPD DESIGN SUBMISSION										
TYLIN INTERNATIONAL		CALIFORNIA HIGH-SPEED RAIL AUTHORITY		CALIFORNIA HIGH-SPEED RAIL PROJECT FRESNO TO BAKERSFIELD LOCALLY GENERATED ALTERNATIVE ROADWAY PROFILE SUMNER STREET				CONTRACT NO. HSR13-44 DRAWING NO. CV-R1021 SCALE AS SHOWN SHEET NO.			
REV	DATE	BY	CHK	APP	DESCRIPTION						

TYL\150110 11/4/2016 5:16:40 PM \$PENTBL\$ \$PLTDRV\$ Projects\701206_N_BFSS\00_CADD\Exhibits\BFSSA - Roadway For Agency Review\Record Set Submittal\City of Bakersfield\BFSSA-CV-R1022



PROFILE
"SUMS" LINE
SUMNER STREET



STATION	50+00	55+00	60+00	65+00	70+00	75+00	TOTAL
---------	-------	-------	-------	-------	-------	-------	-------

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
N. OLINO
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

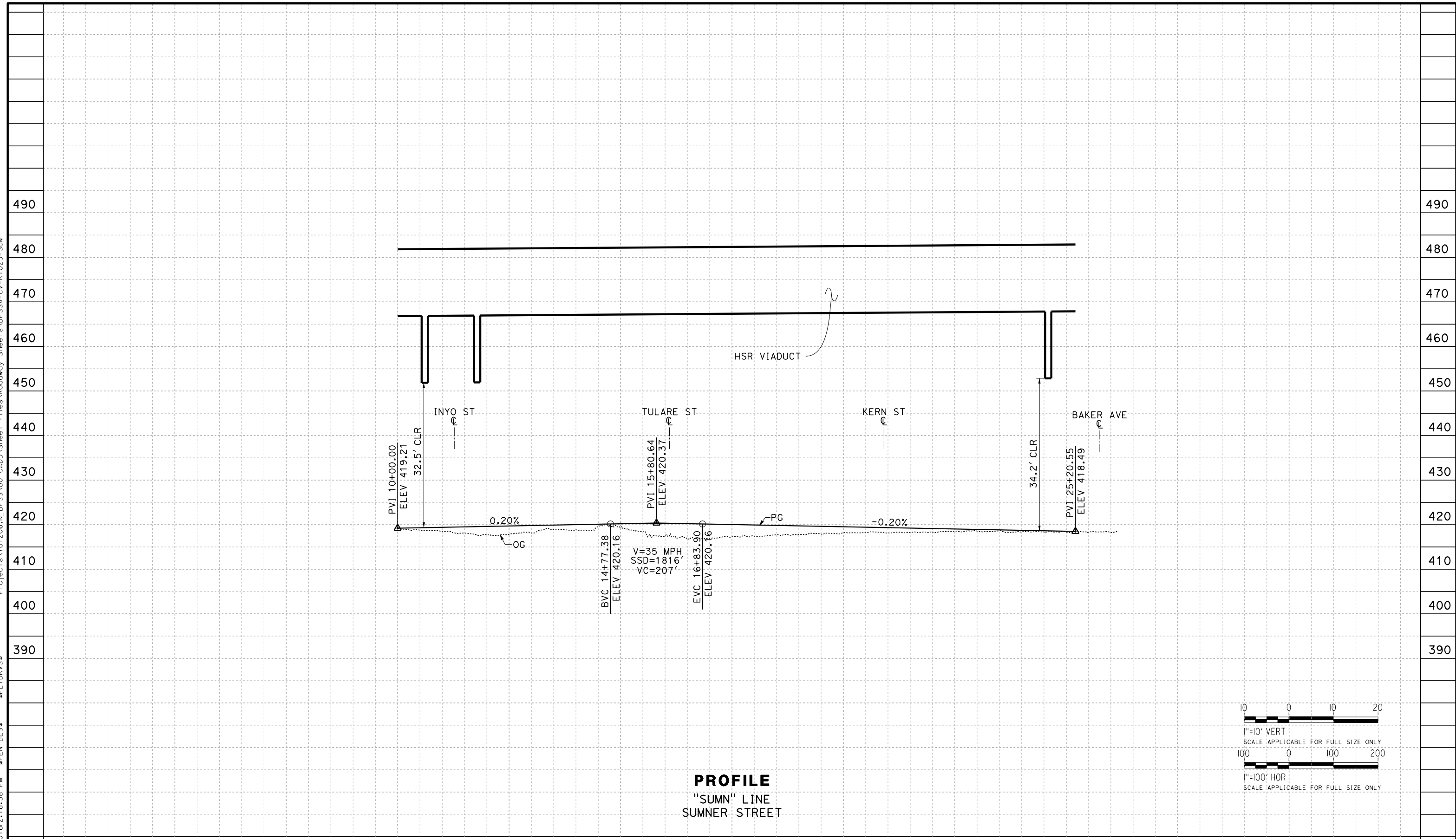
RECORD SET
PEPD DESIGN
SUBMISSION



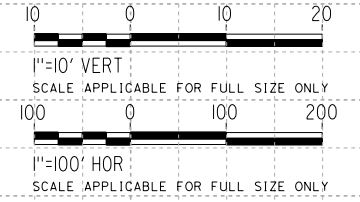
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY PROFILE
SUMNER STREET

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1022
SCALE
AS SHOWN
SHEET NO.

TYLIN\corporate\10/28/2016\2:16:38 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1023-SUM



PROFILE
"SUMN" LINE
SUMNER STREET



STATION	5+00	10+00	15+00	20+00	25+00	30+00	TOTAL	
DESIGNED BY	H. PARK							
DRAWN BY	N. OLINO							
CHECKED BY	R. GONZALEZ							
IN CHARGE	S. OLLO							
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 ROADWAY PROFILE SUMNER STREET			CONTRACT NO. HSR13-44 DRAWING NO. CV-R1023 SCALE AS SHOWN SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION			

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

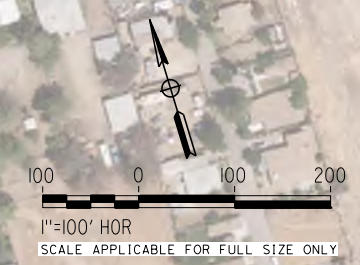
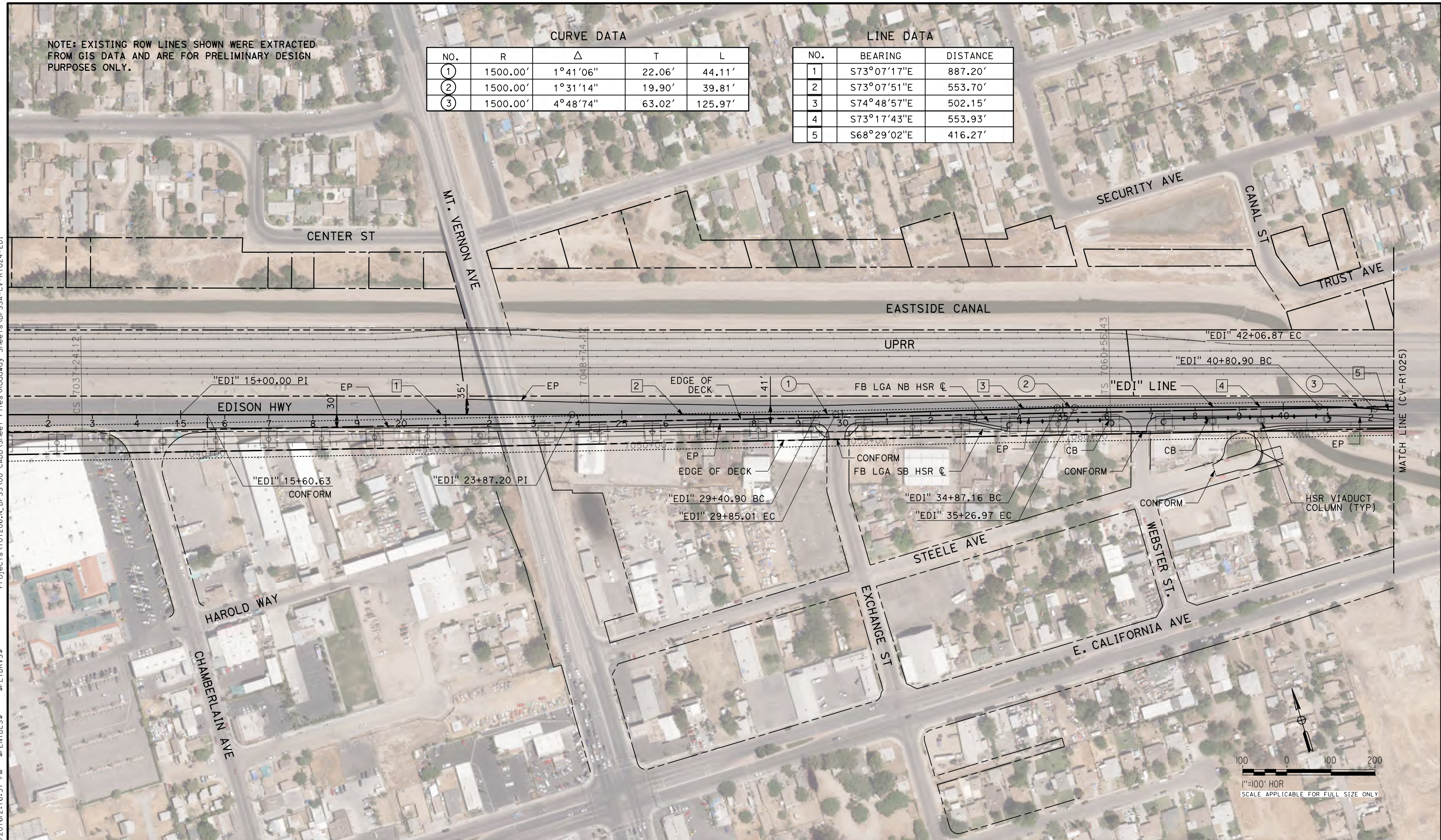
CURVE DATA

NO.	R	Δ	T	L
①	1500.00'	1°41'06"	22.06'	44.11'
②	1500.00'	1°31'14"	19.90'	39.81'
③	1500.00'	4°48'74"	63.02'	125.97'

LINE DATA

NO.	BEARING	DISTANCE
1	S73°07'17"E	887.20'
2	S73°07'51"E	553.70'
3	S74°48'57"E	502.15'
4	S73°17'43"E	553.93'
5	S68°29'02"E	416.27'

Projects\701206_N_BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-R1024-EDI
 \$PLTDRVS\$
 \$PENTBL\$
 TYLIN\corr\1101028\2016\216:31 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. WILKINSON
 DRAWN BY
T. WILKINSON
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY LAYOUT
 EDISON HIGHWAY

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-R1024
 SCALE
AS SHOWN
 SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

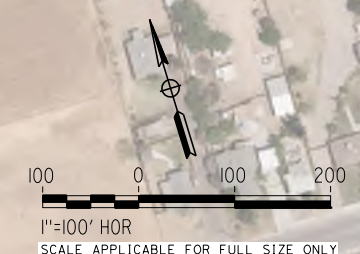
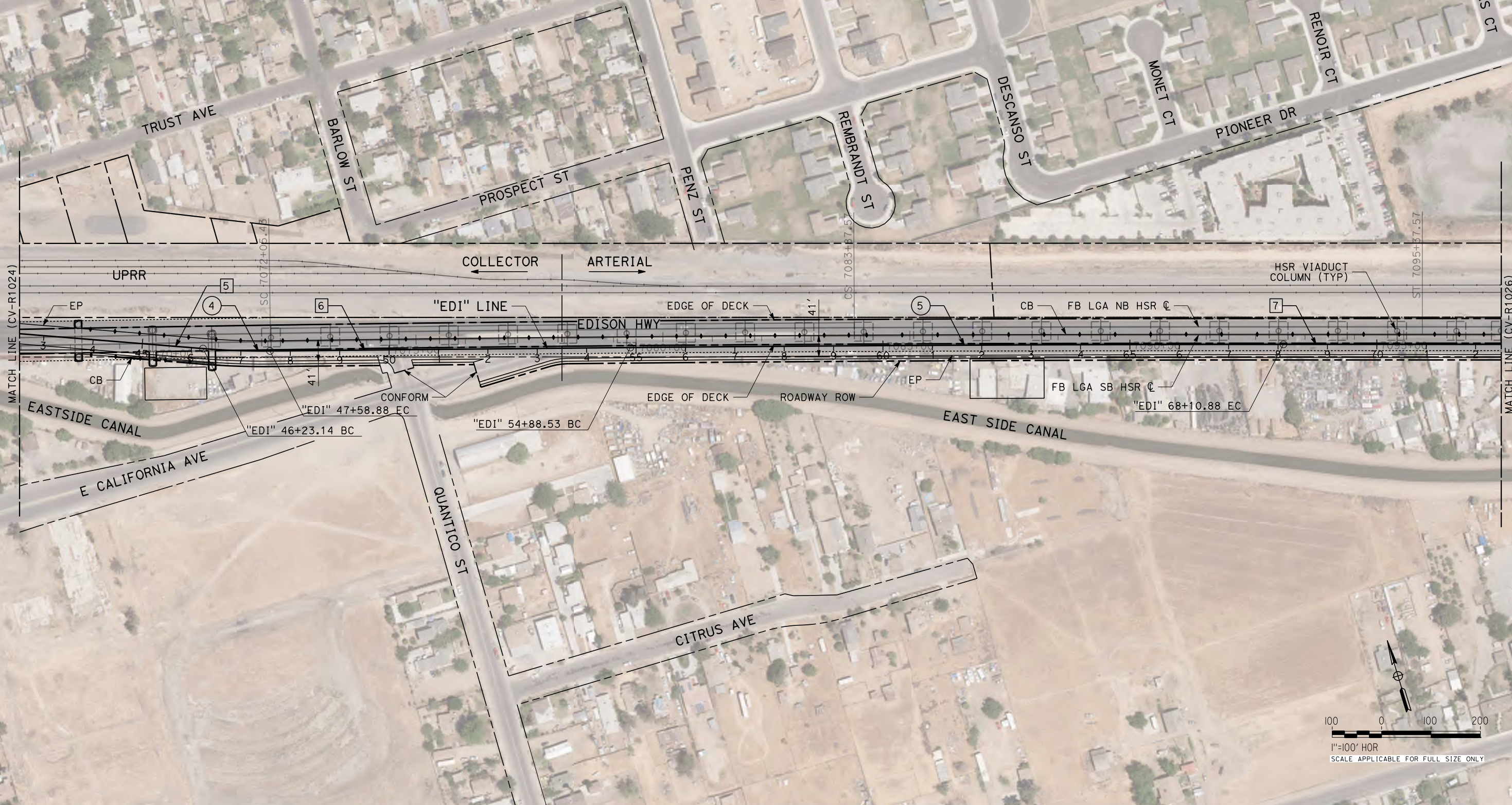
CURVE DATA

NO.	R	Δ	T	L
4	1500.00'	5°11'05"	67.91'	135.74'
5	140000.00'	0°32'28"	661.18'	1322.35'

LINE DATA

NO.	BEARING	DISTANCE
5	S68°29'01"E	416.27'
6	S73°40'06"E	729.65'
7	S73°07'38"E	852.19'

Projects\701206.N.BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-R1025-EDI
 \$PLTDRVS\$
 \$PENTBLS\$
 10/28/2016 2:14:08 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. WILKINSON
 DRAWN BY
T. WILKINSON
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

**RECORD SET
 PEPP DESIGN
 SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY LAYOUT
 EDISON HIGHWAY

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-R1025
 SCALE
AS SHOWN
 SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

LINE DATA

NO.	BEARING	DISTANCE
7	S73°07'38"E	852.19'

Projects\701206\N_BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-R1026-EDI \$PLTDRVS\$ \$PENTBLS\$ 10/28/2016 2:16:15 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. WILKINSON
DRAWN BY
T. WILKINSON
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY LAYOUT
EDISON HIGHWAY

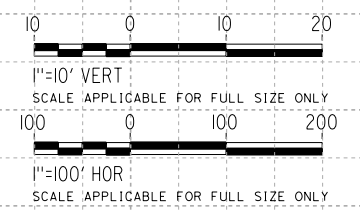
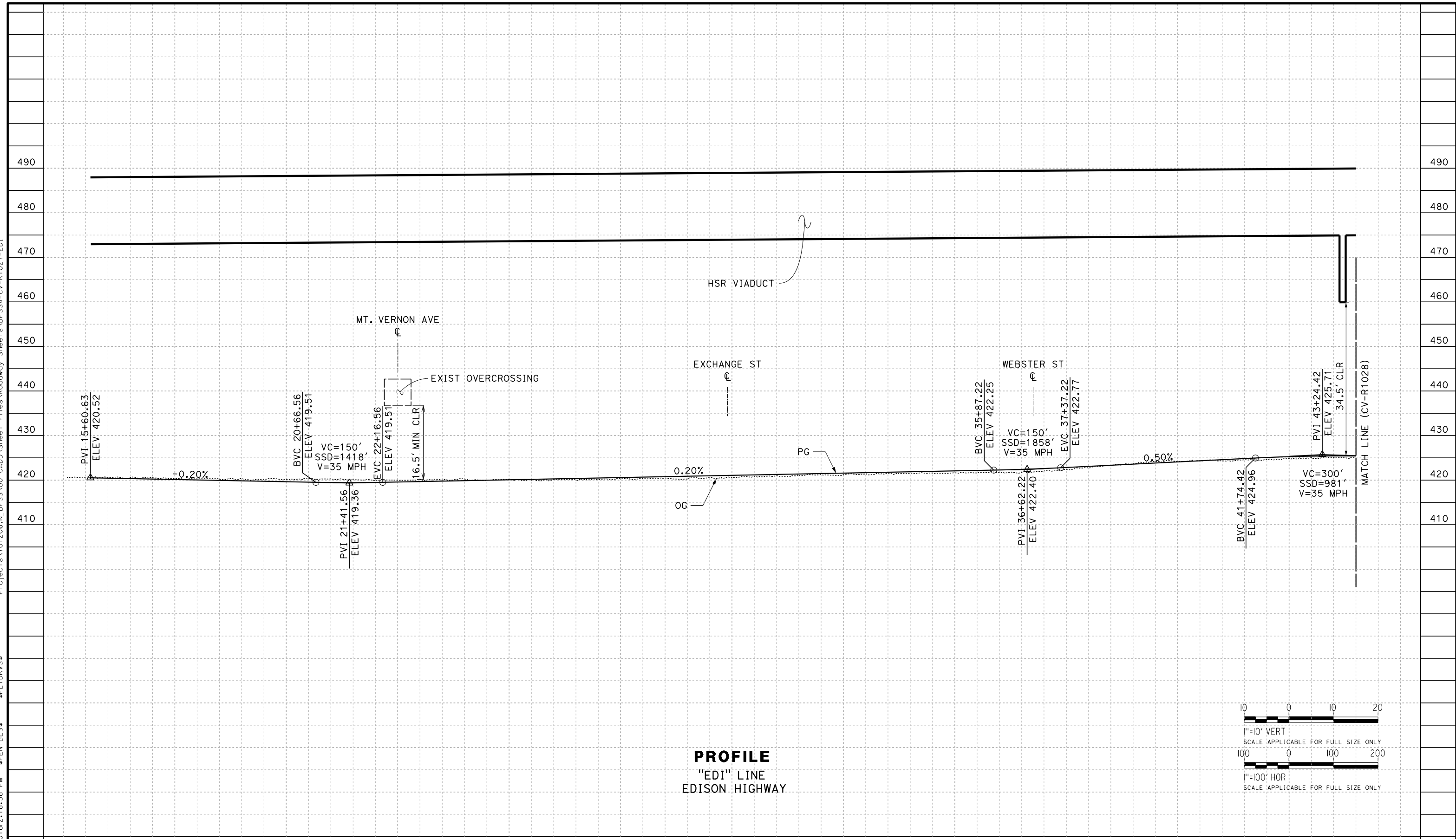
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1026
SCALE
AS SHOWN
SHEET NO.

Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway_Sheets\BFSSA-CV-R1027-EDI

\$PLTDRVS\$

\$PENTBL\$

TYLIN\corr\11\10\28\2016\2:16:36 PM



STATION 20+00 25+00 30+00 35+00 40+00 45+00 TOTAL

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. WILKINSON
DRAWN BY
T. WILKINSON
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

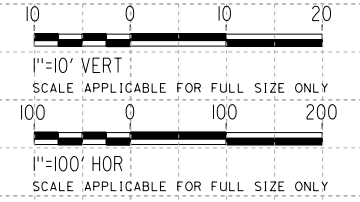
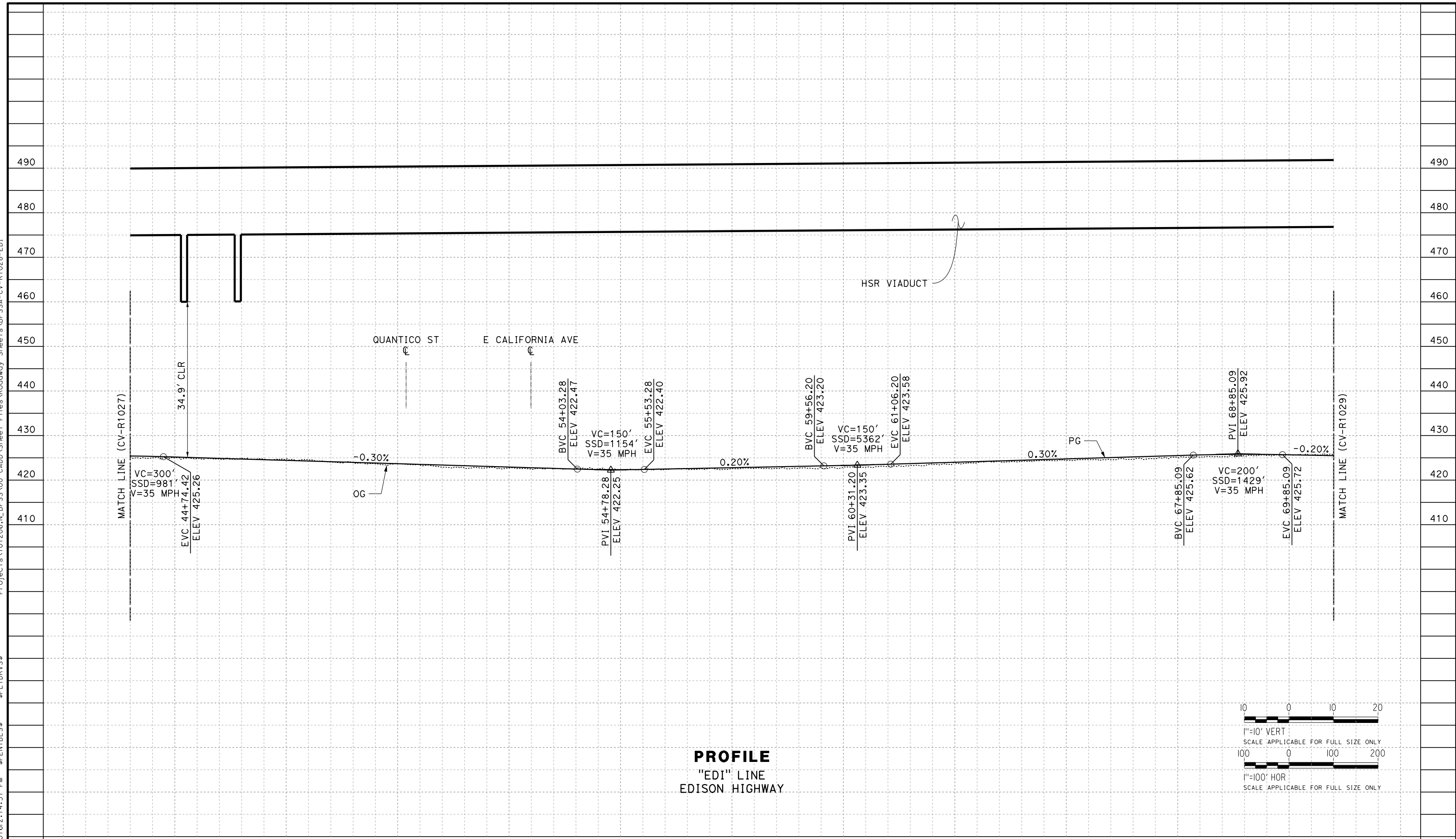
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY PROFILE
EDISON HIGHWAY

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1027
SCALE
AS SHOWN
SHEET NO.

Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1028-EDI
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STATION	45+00	50+00	55+00	60+00	65+00	70+00	TOTAL
---------	-------	-------	-------	-------	-------	-------	-------

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. WILKINSON

DRAWN BY
T. WILKINSON

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 ROADWAY PROFILE
 EDISON HIGHWAY

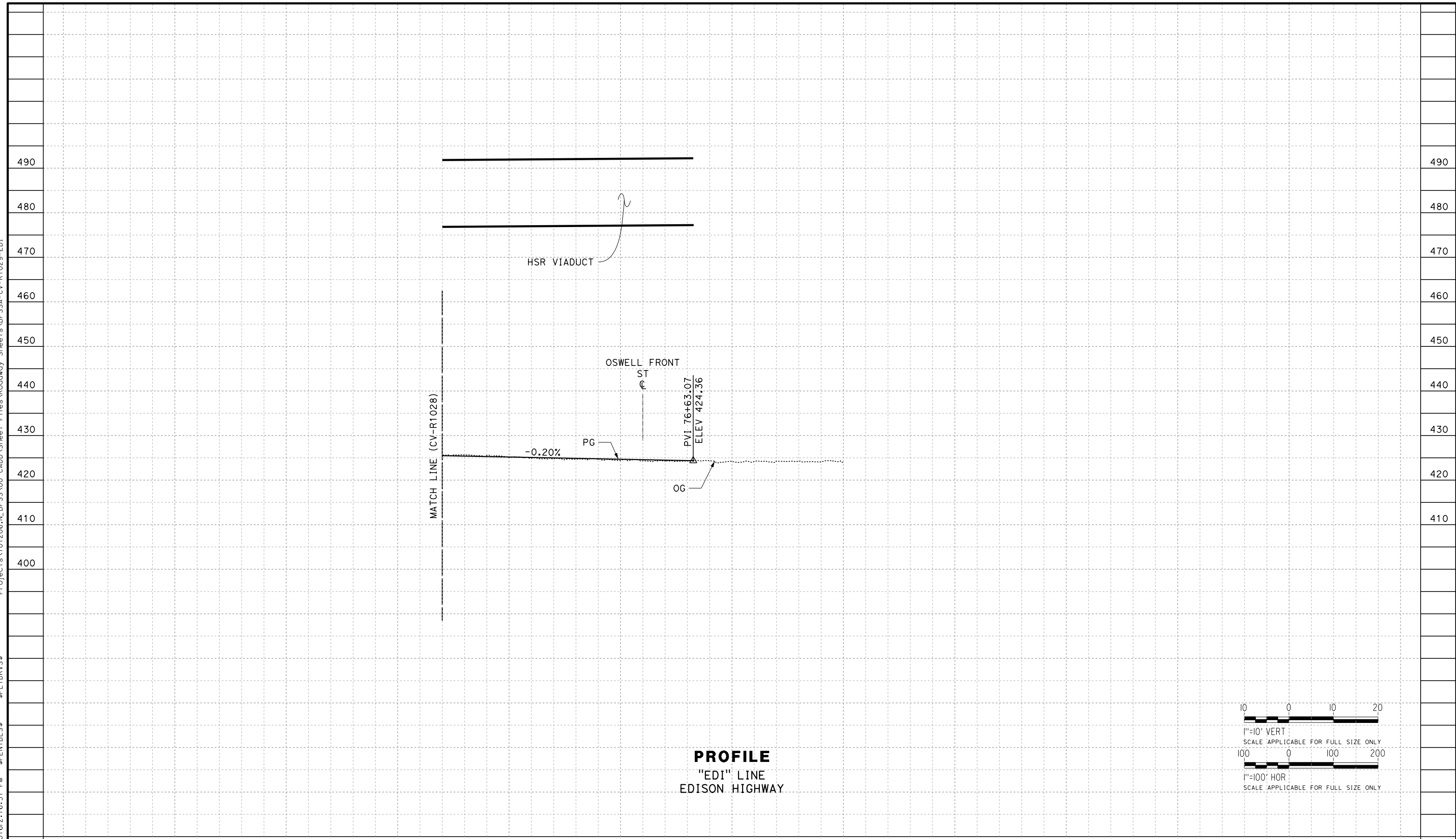
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-R1028

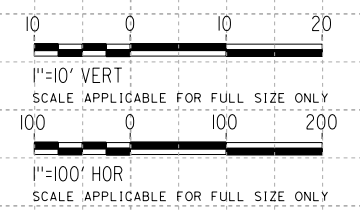
SCALE
AS SHOWN

SHEET NO.

TYLIN\corporate\10/28/2016\16:21:16:57 PM \$PENTBL\$.S\$ \$PLTDRVS\$.S\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-R1029-EDI



PROFILE
"EDI" LINE
EDISON HIGHWAY



STATION 70+00 75+00 80+00 TOTAL

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. WILKINSON
DRAWN BY
T. WILKINSON
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



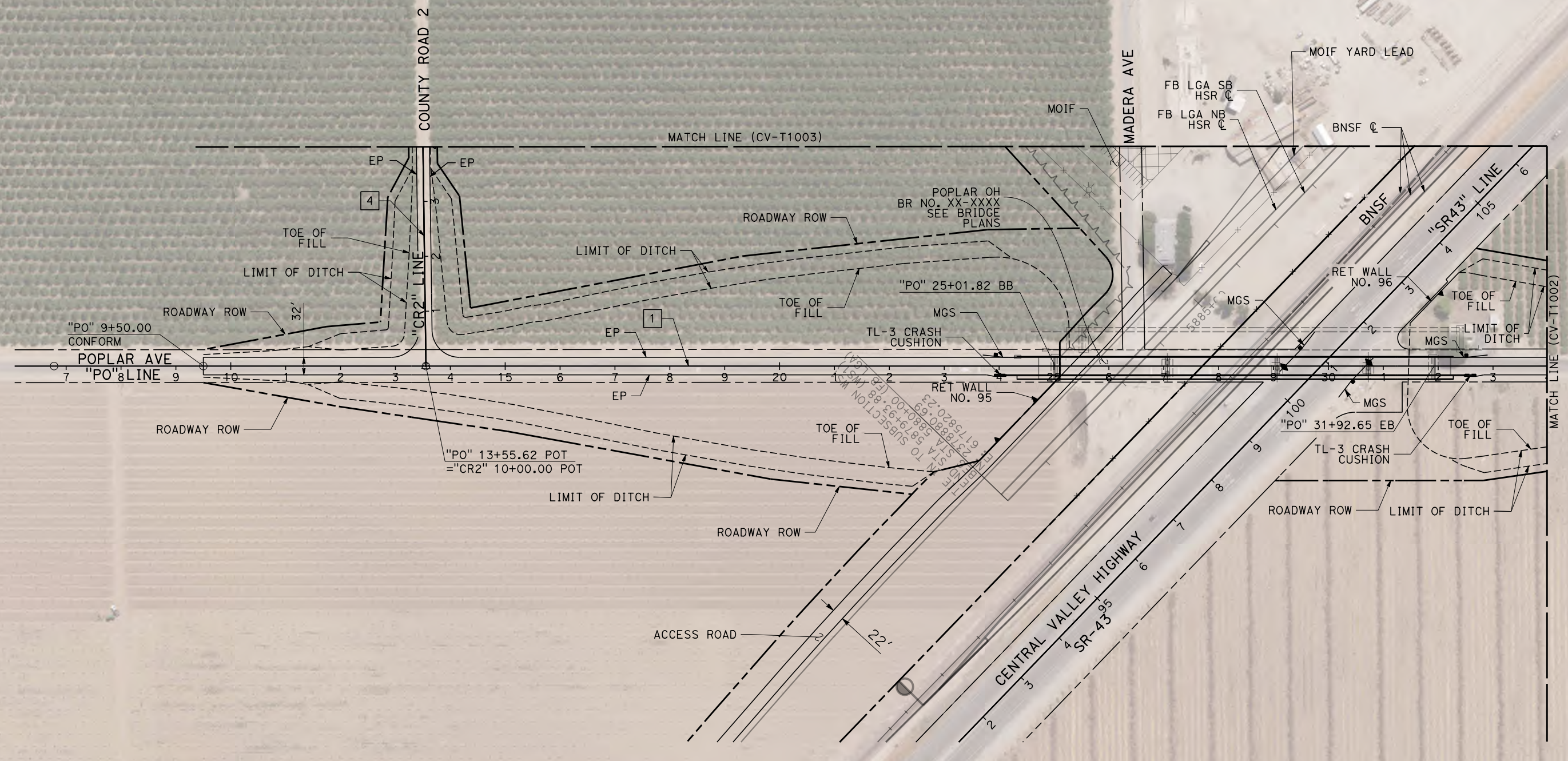
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
ROADWAY PROFILE
EDISON HIGHWAY

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-R1029
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

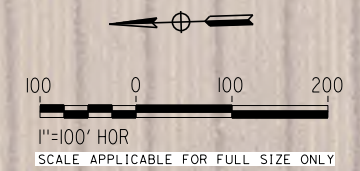
LINE DATA

NO.	BEARING	DISTANCE
1	S1°46'48"W	3550.00'
4	S89°0'15"E	1303.97'



RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
95	170.83' RT "PO" 23+70.13	24.50' RT "PO" 25+10.69	203'	38.8'
96	78.22' LT "PO" 31+48.95	170.38' LT "PO" 32+37.69	128'	9.4'



Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-T1001-POP \$PLTDRVS\$ \$PENTBLS\$ 10/28/2016 2:16:08 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. BOCTOR
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION LAYOUT
 POPLAR AVE

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T1001
 SCALE
AS SHOWN
 SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

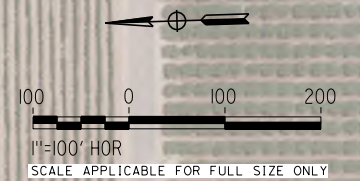
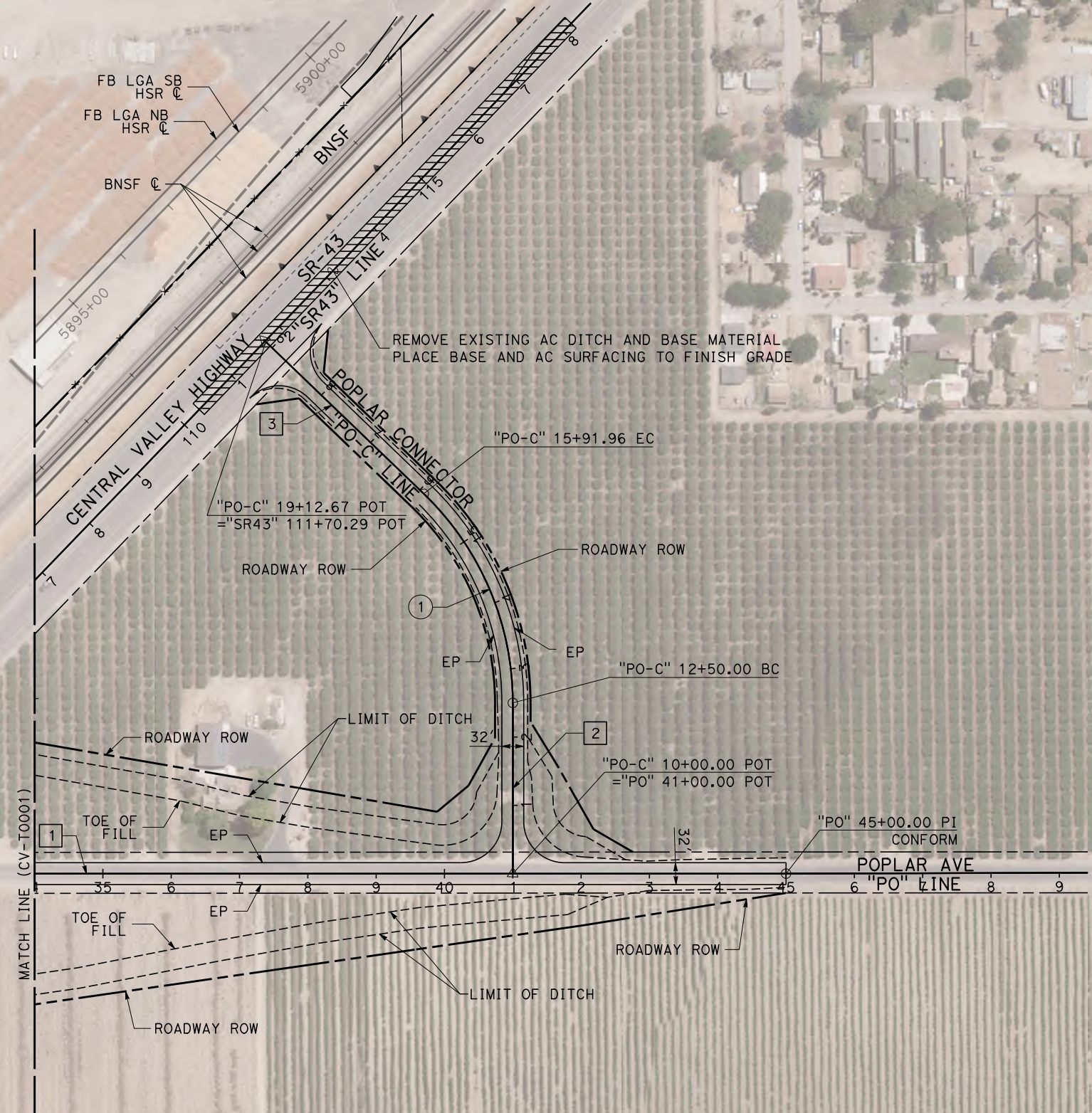
CURVE DATA

NO.	R	Δ	T	L
①	425.00'	46°06'01"	180.84'	341.96'

LINE DATA

NO.	BEARING	DISTANCE
1	S1°46'48"W	3550.00'
2	S88°13'12"E	250.00'
3	N45°40'47"E	324.08'

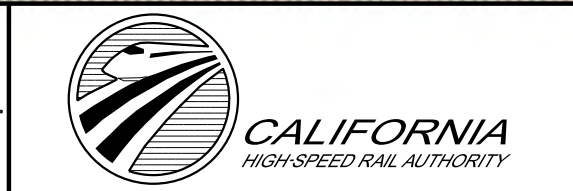
Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1002-POP \$PLTDRVS\$ \$PENTBLS\$ TYLIN\corr\11o10\28\2016\21:13:29 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



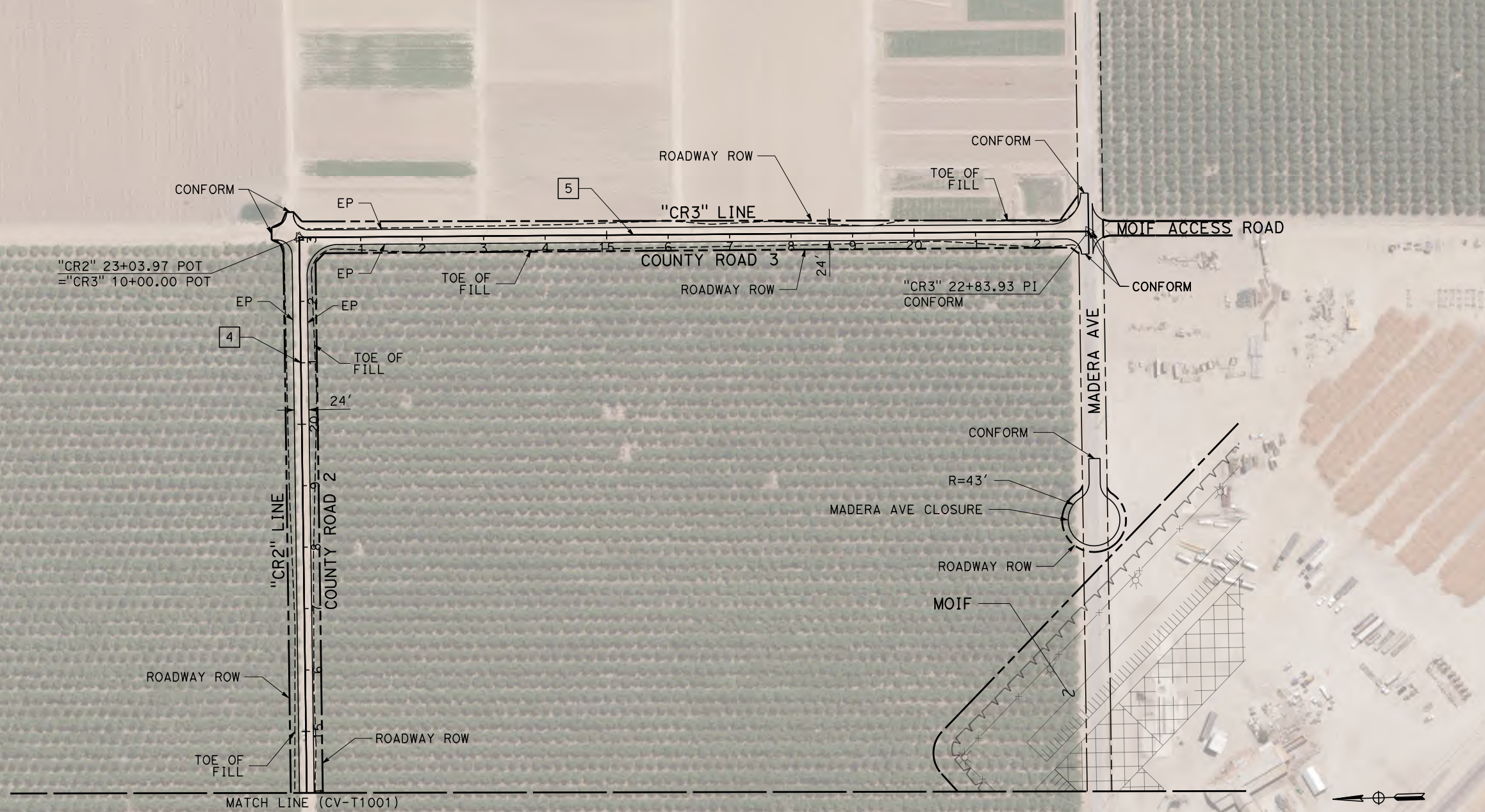
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION LAYOUT
POPLAR AVE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1002
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

LINE DATA

NO.	BEARING	DISTANCE
4	S89°0'15"E	1303.97'
5	S1°20'27"W	1283.93'



Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-T1003-POP
 \$PLTDRVS\$
 \$PENTBLS\$
 TYLIN\corr\1101028\2016\1028\16:58 PM \$PENTBLS\$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. BOCTOR
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION

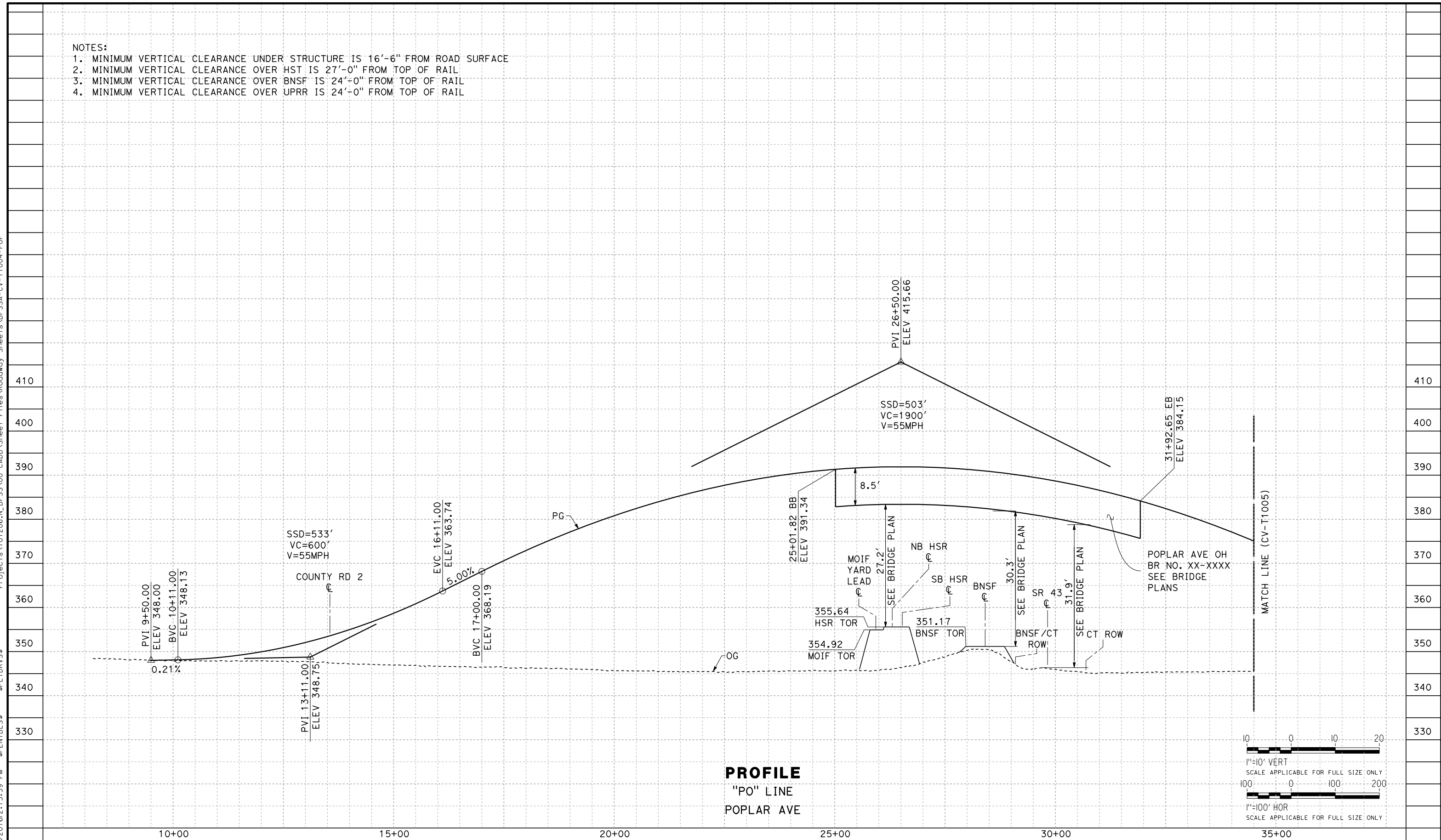


CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION LAYOUT
 POPLAR AVE

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T1003
 SCALE
AS SHOWN
 SHEET NO.

TYL\rcor\1101028\2016\215:59 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1004-POP

- NOTES:
1. MINIMUM VERTICAL CLEARANCE UNDER STRUCTURE IS 16'-6" FROM ROAD SURFACE
 2. MINIMUM VERTICAL CLEARANCE OVER HST IS 27'-0" FROM TOP OF RAIL
 3. MINIMUM VERTICAL CLEARANCE OVER BNSF IS 24'-0" FROM TOP OF RAIL
 4. MINIMUM VERTICAL CLEARANCE OVER UPRR IS 24'-0" FROM TOP OF RAIL



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. BOCTOR
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

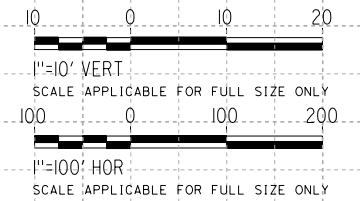
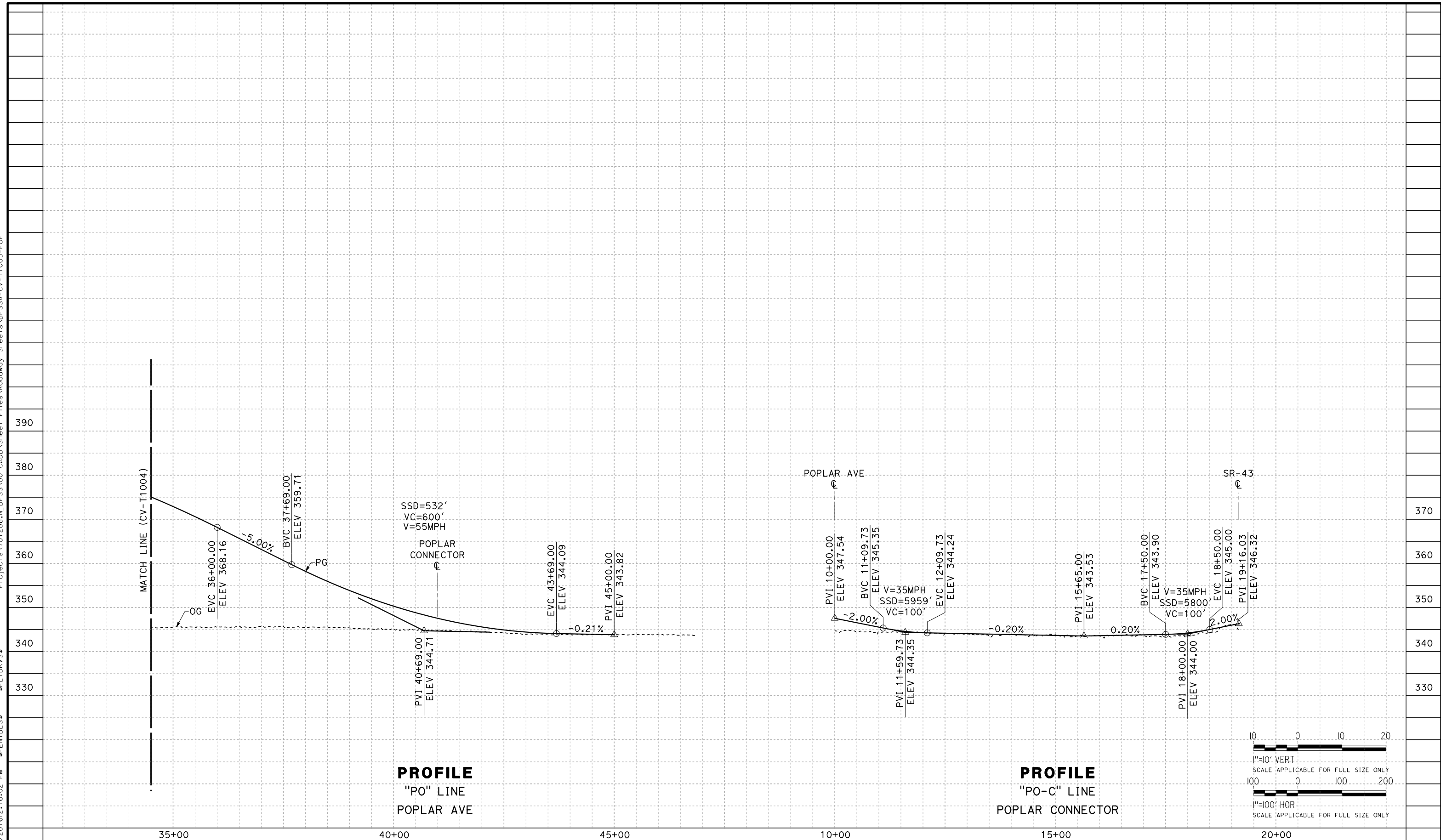
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION PROFILE
 POPLAR AVE

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T1004
 SCALE
AS SHOWN
 SHEET NO.

TYL\rcgr\11\101028\2016\216:02 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1005-POP



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

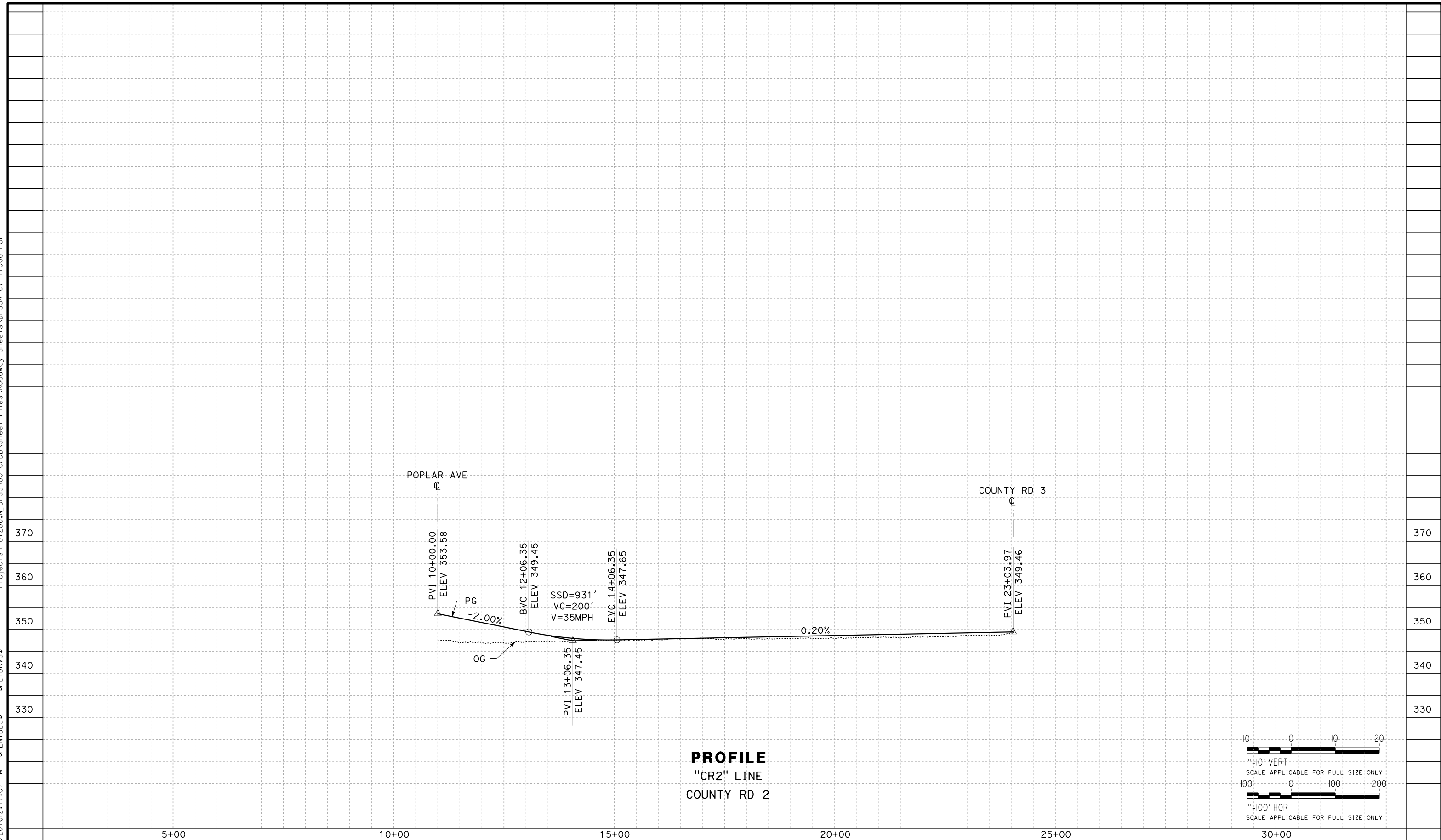
RECORD SET
PEPD DESIGN
SUBMISSION



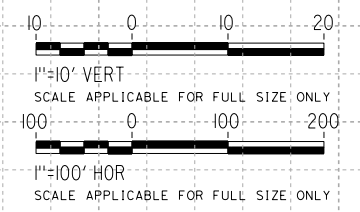
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
POPLAR AVE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1005
SCALE
AS SHOWN
SHEET NO.

TYL\rcor\11o10\28\2016\2:17:07 PM \$PENTBLS\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1006-POP



PROFILE
"CR2" LINE
COUNTY RD 2



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION

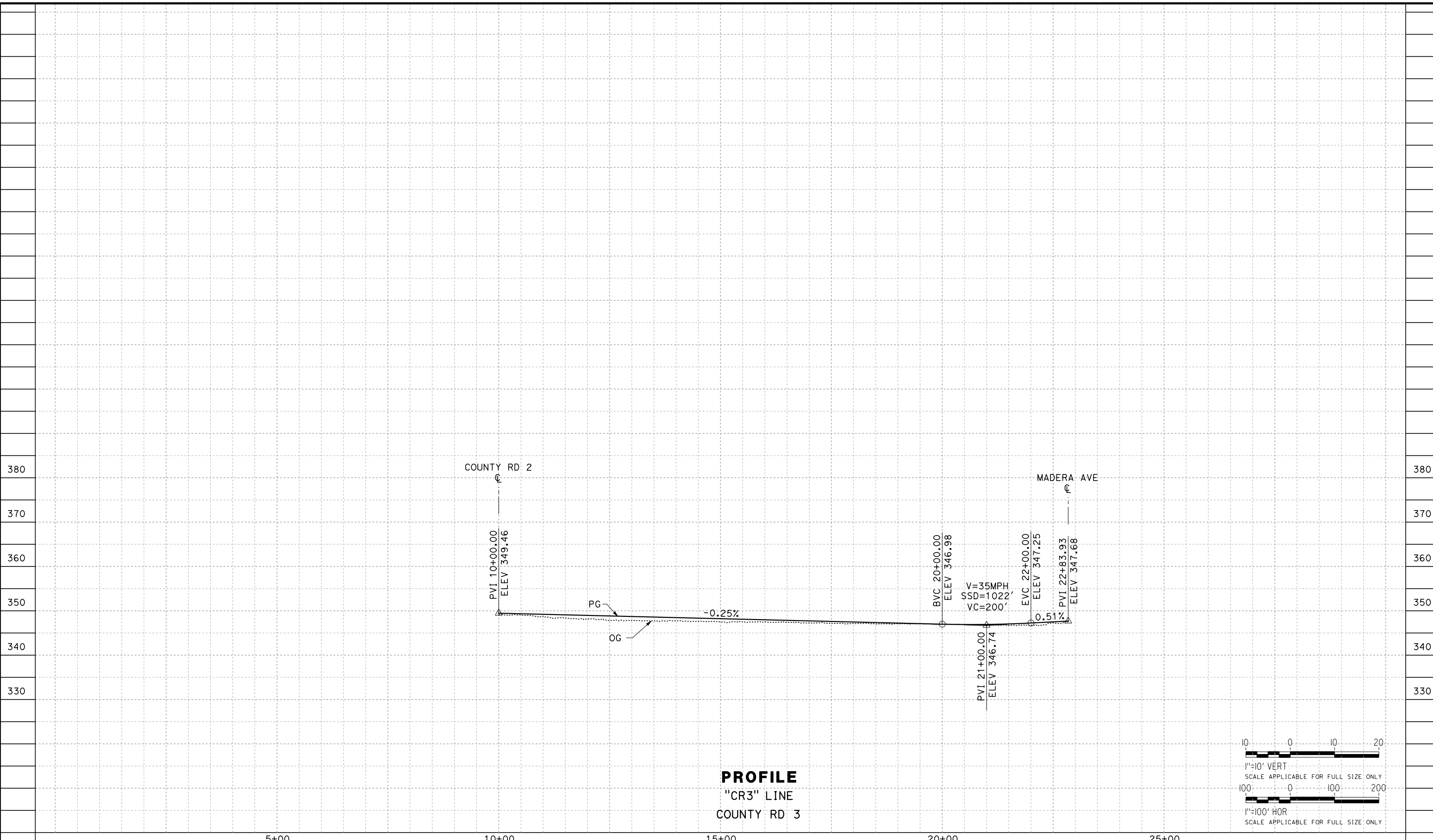
TYLIN INTERNATIONAL



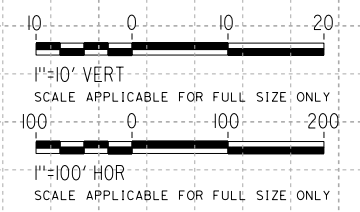
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
POPLAR AVE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1006
SCALE
AS SHOWN
SHEET NO.

TYL\rcor\11o10\28\2016\2:15:43 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N.BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1007-POP



PROFILE
"CR3" LINE
COUNTY RD 3



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION

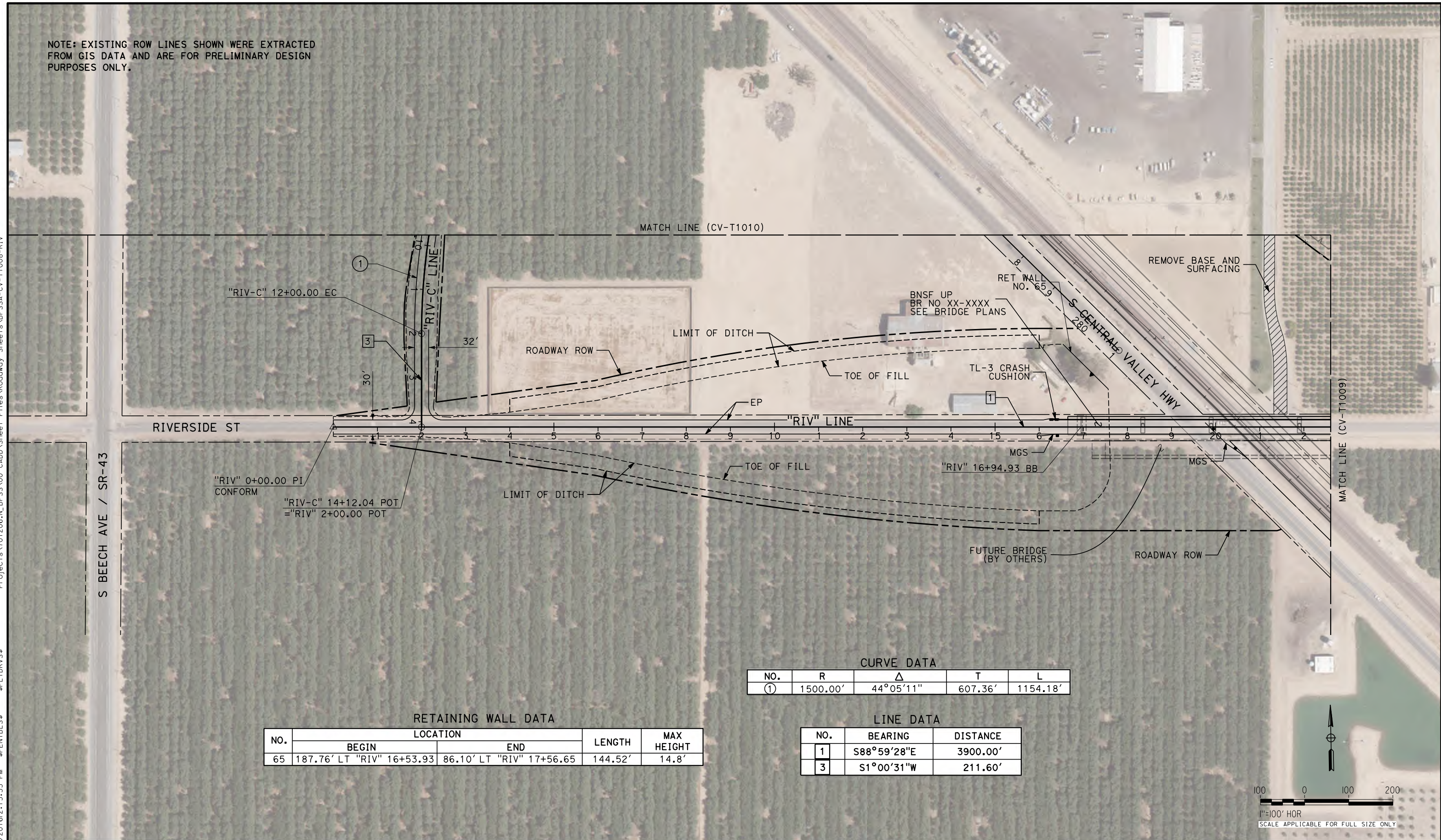


CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
POPLAR AVE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1007
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-T1008-RIV \$PLTDRVS\$ \$PENTBLS\$ 10/28/2016 2:15:33 PM



CURVE DATA

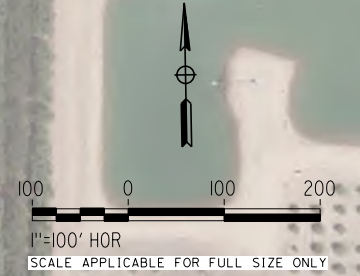
NO.	R	Δ	T	L
①	1500.00'	44°05'11"	607.36'	1154.18'

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
65	187.76' LT "RIV" 16+53.93	86.10' LT "RIV" 17+56.65	144.52'	14.8'

LINE DATA

NO.	BEARING	DISTANCE
1	S88°59'28"E	3900.00'
3	S1°00'31"W	211.60'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
N. OLINO
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



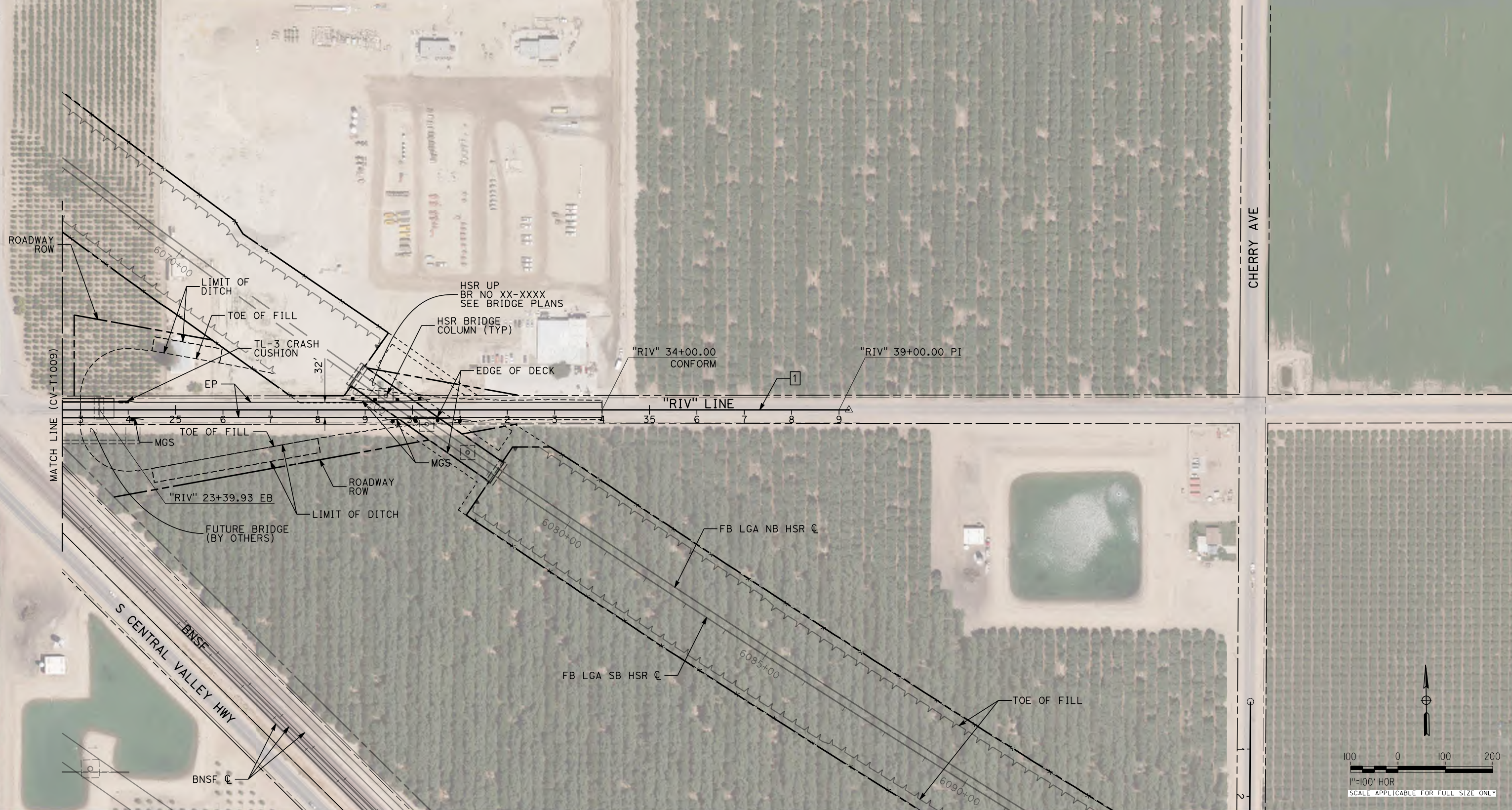
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION LAYOUT
RIVERSIDE ST

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1008
SCALE
AS SHOWN
SHEET NO.

Projects\701206.N.BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-T1009-RIV \$PLTDRVS\$ \$PENTBLS\$ 10/28/2016 2:10:38 PM

LINE DATA		
NO.	BEARING	DISTANCE
1	S88°59'28"E	3900.00'

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
N. OLINO
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION LAYOUT
RIVERSIDE ST

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1009
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

"SR43" 258+03.95 CONFORM

LINE DATA

NO.	BEARING	DISTANCE
2	S45°05'43"W	46.25'

CURVE DATA

NO.	R	Δ	T	L
①	1500.00'	44°05'11"	607.36'	1154.18'

"RIV-C" 00+46.25 BC

"RIV-C" 00+00.00 POT
= "SR43" 265+19.50 POT

"SR43" 274+07.92 CONFORM

MATCH LINE (CV-T1008)

S BEECH AVE / SR-43

S CENTRAL VALLEY HWY

TOE OF FILL

TOE OF FILL

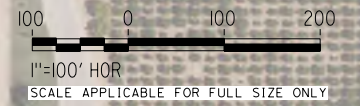
FB LGA SB HSR C

SEE GOLD'S AVE LAYOUT

INTRUSION BARRIER

REMOVE BASE AND SURFACING

BNSF C



Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-T1010-RIV \$PLTDRVS\$ \$PENTBLS\$ TYL\rcarr\11o10\28\2016\2:15:13 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
N. OLINO
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

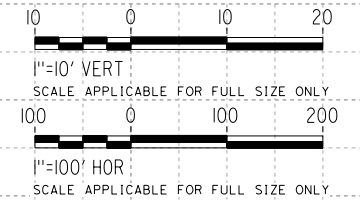
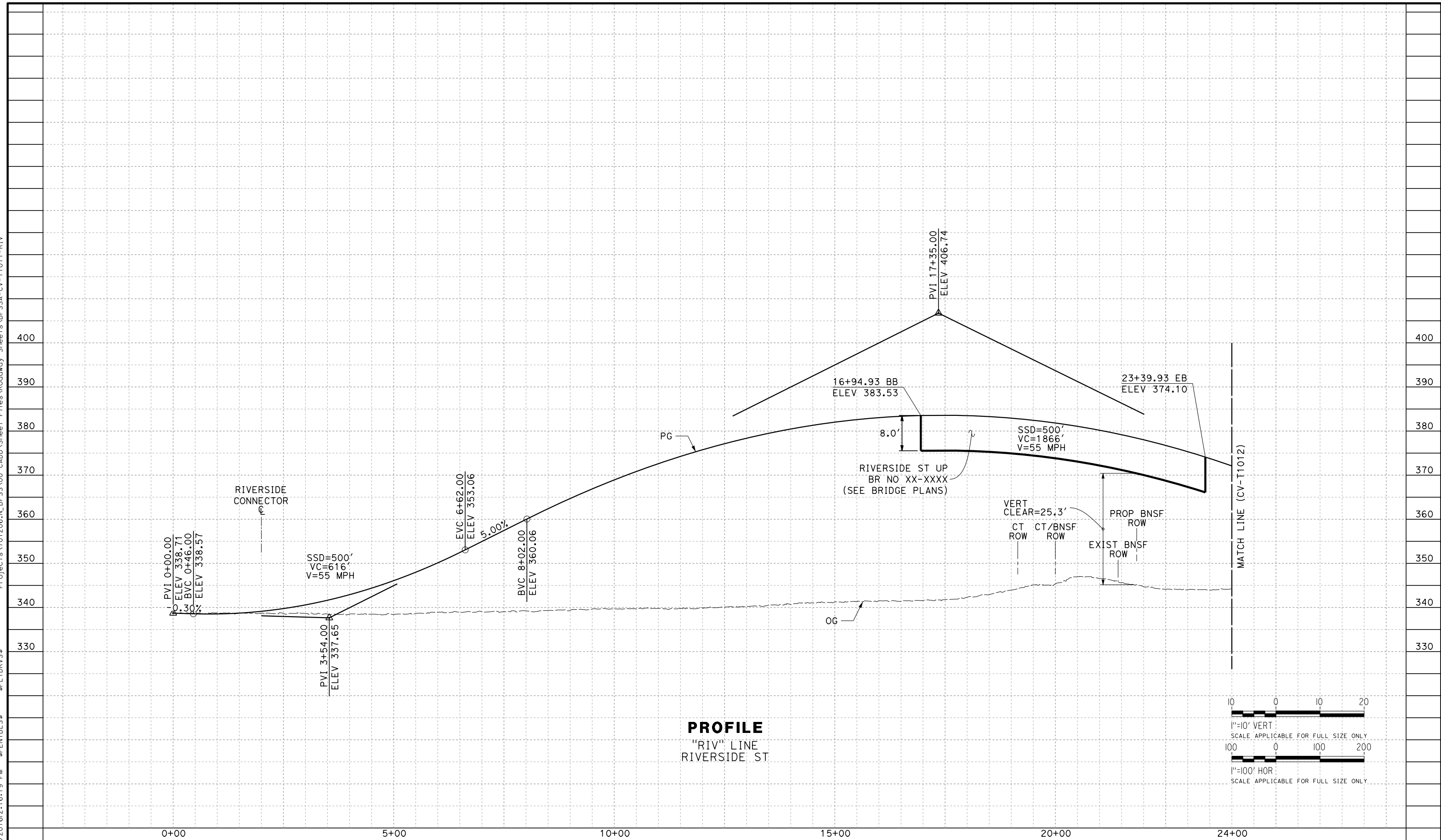
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
ROADWAY LAYOUT
RIVERSIDE ST

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1010
SCALE
AS SHOWN
SHEET NO.

TYL\rcor\110101028\2016\216:19 PM \$PENTBL.S\$ \$PLTDRV.S\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1011-RIV



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
N. OLINO

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
RIVERSIDE ST

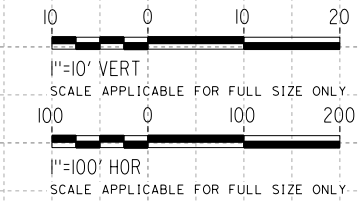
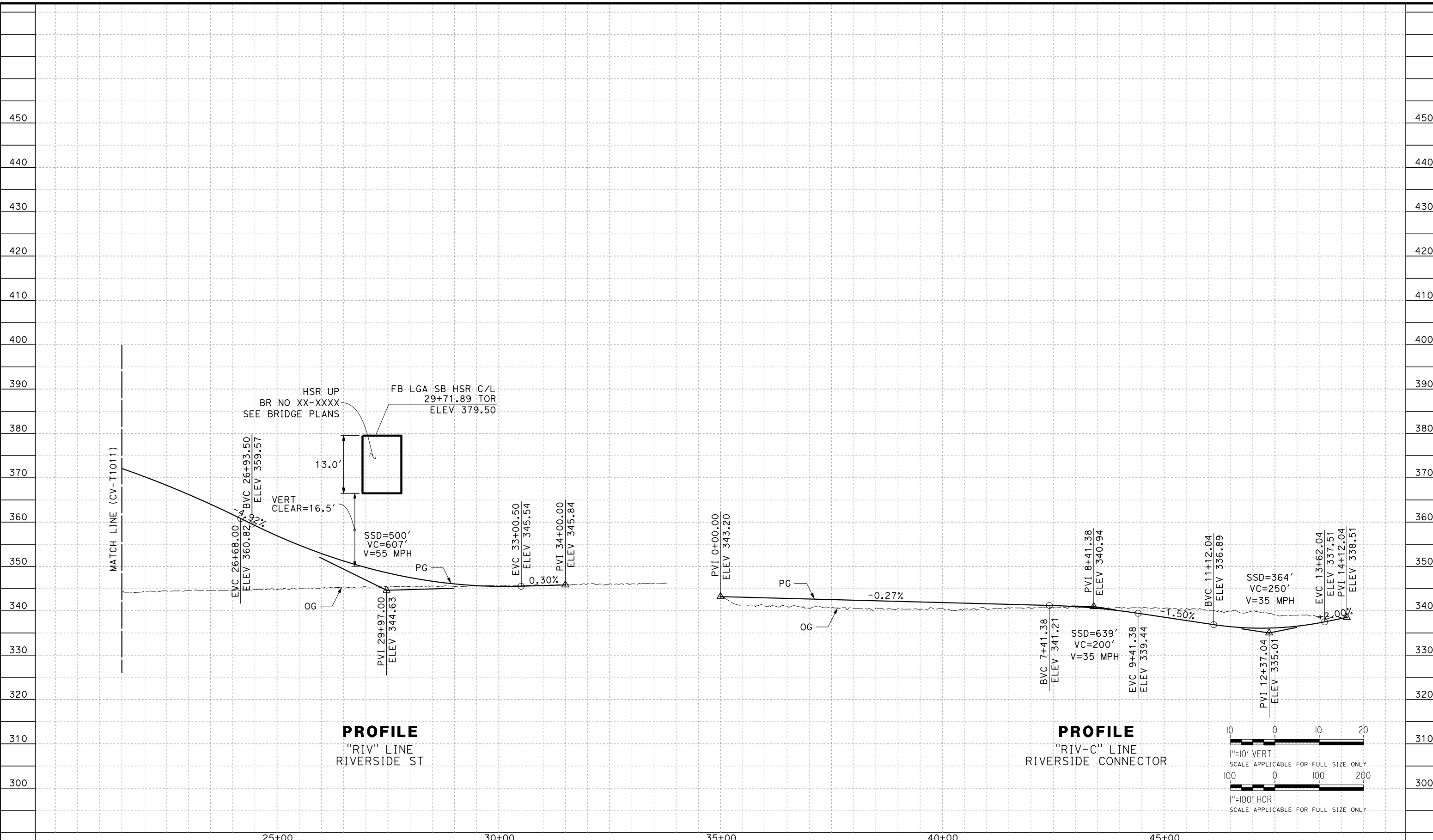
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1011

SCALE
AS SHOWN

SHEET NO.

TYL\rcor\110101028\2016\2:09:37 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1012-RIV



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
N. OLINO

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
RIVERSIDE ST

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1012

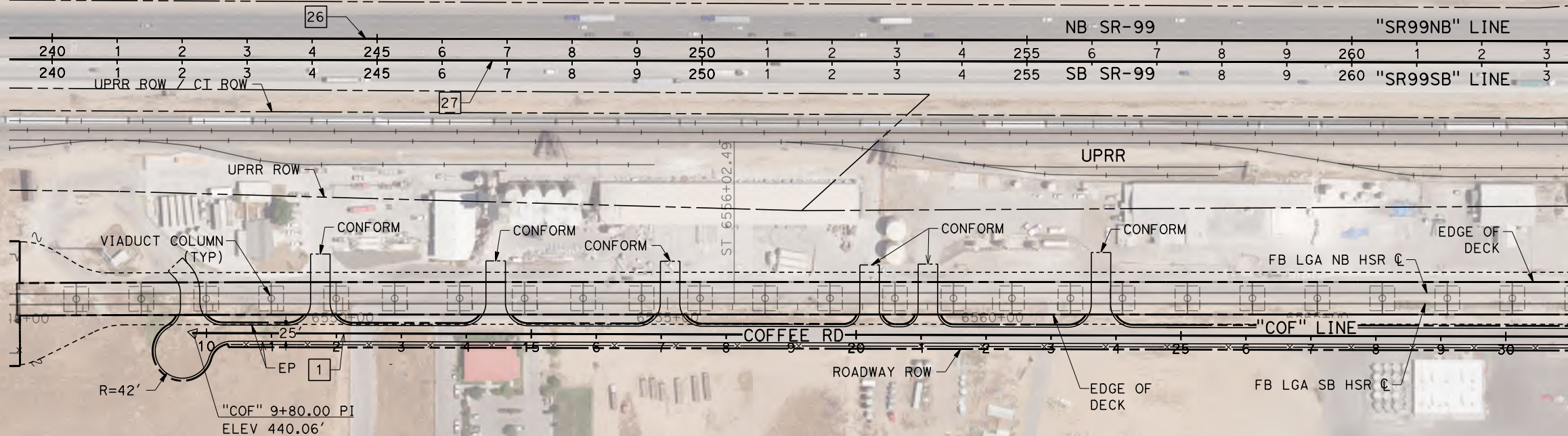
SCALE
AS SHOWN

SHEET NO.

LINE DATA

NO.	BEARING	DISTANCE
1	S46°41'09"E	3507.13'
26	S46°42'59"E	5289.24'
27	S46°42'59"E	5332.79'

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. BOCTOR
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**

TYLIN INTERNATIONAL



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION LAYOUT
 COFFEE ROAD

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T1013
 SCALE
AS SHOWN
 SHEET NO.

CURVE DATA

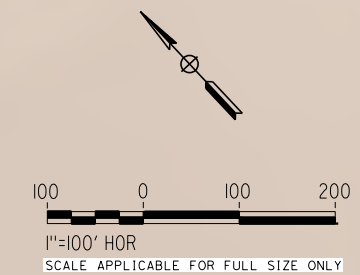
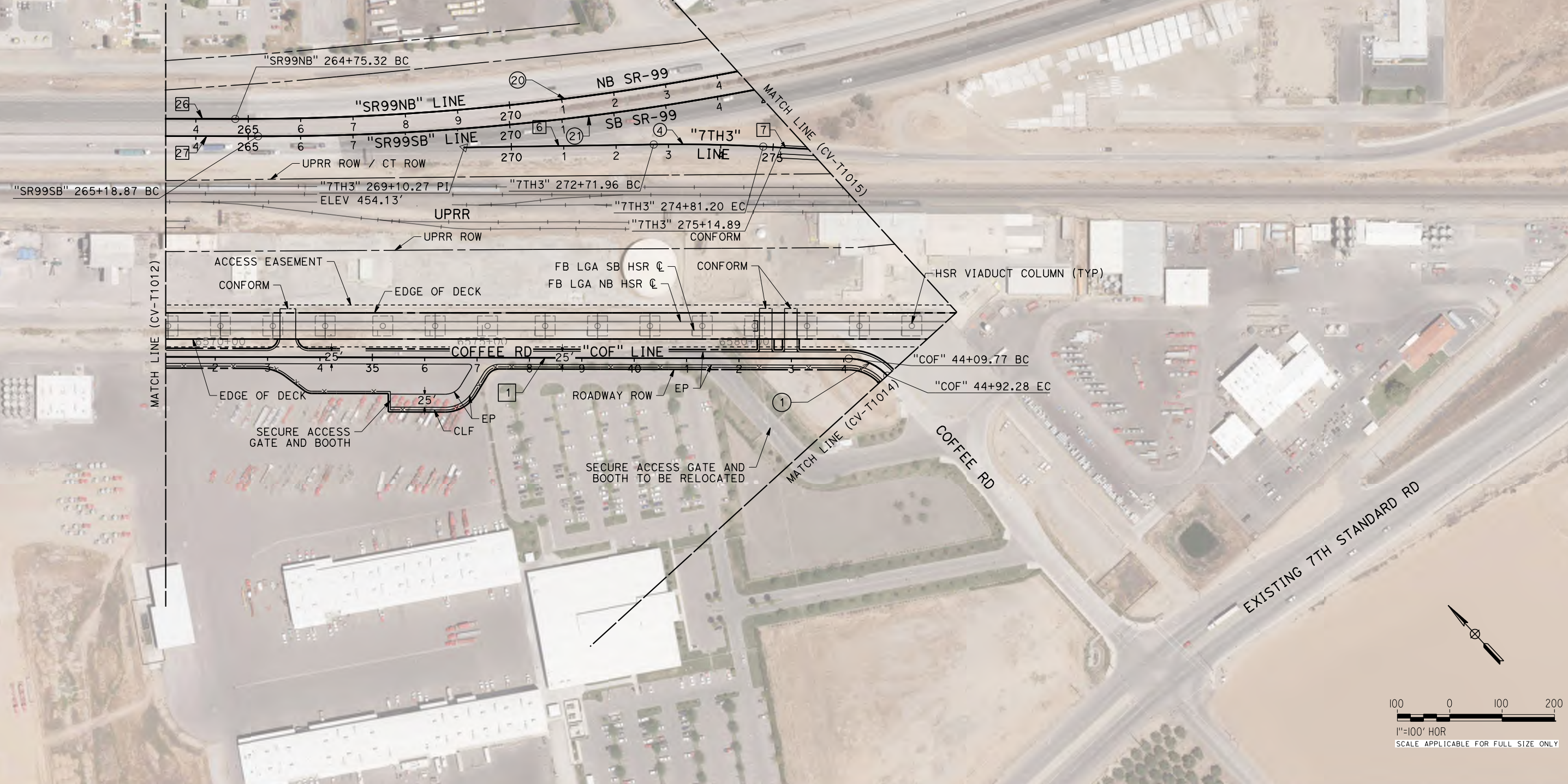
NO.	R	Δ	T	L
①	100.00'	47°28'45"	43.98'	82.87'
④	3000.00'	3°59'46"	104.66'	209.24'
②①	5000.00'	17°41'37"	778.23'	1544.06'
②②	5000.00'	17°41'37"	778.23'	1537.94'

LINE DATA

NO.	BEARING	DISTANCE
1	S46°41'09"E	3429.41'
6	S47°43'60"E	361.68'
7	S43°44'13"E	227.44'
26	S46°42'59"E	5289.24'
27	S46°42'59"E	5332.79'

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION LAYOUT
COFFEE ROAD

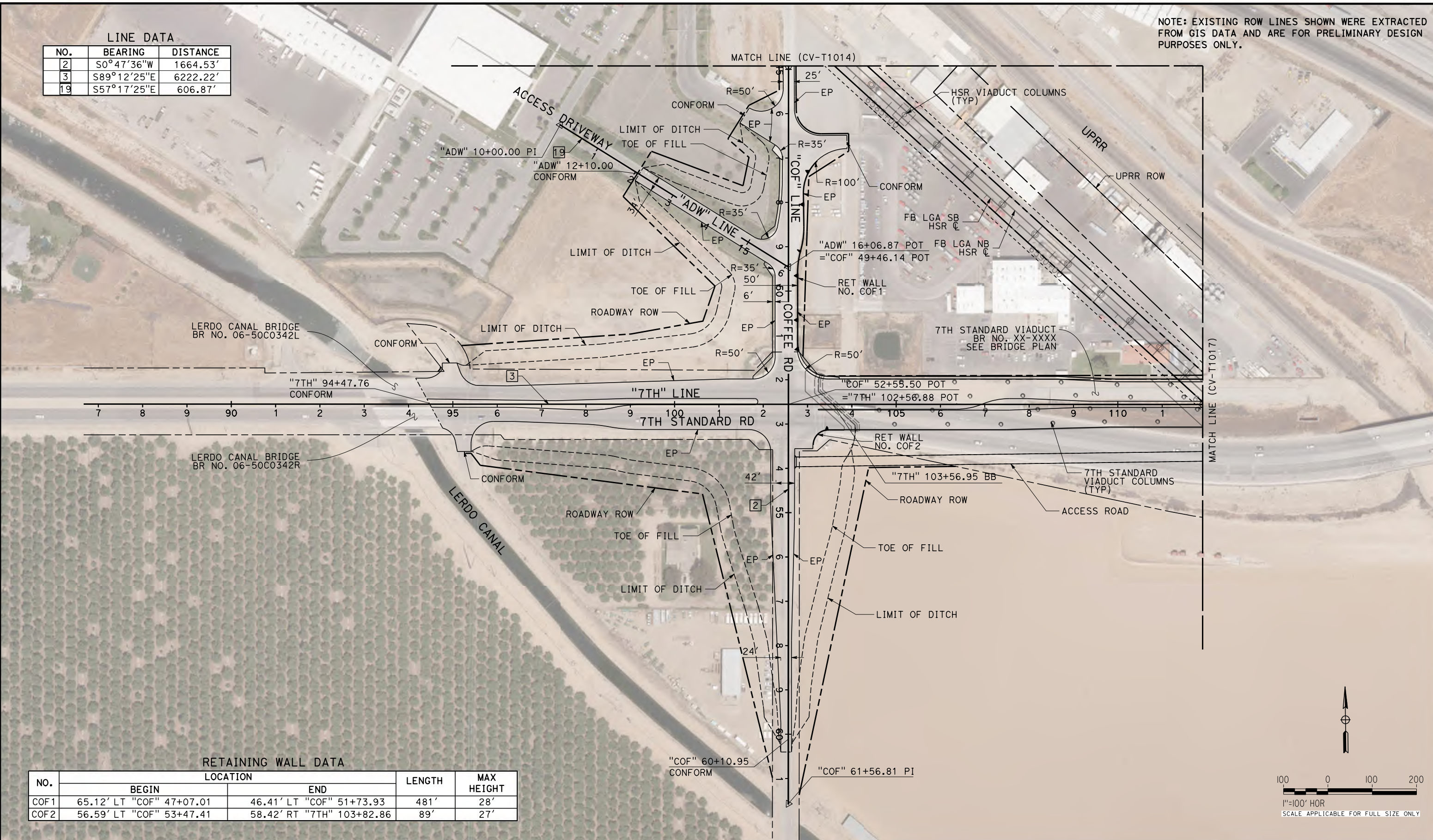
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1014
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

LINE DATA

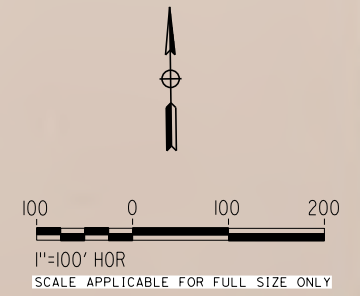
NO.	BEARING	DISTANCE
2	S0°47'36"W	1664.53'
3	S89°12'25"E	6222.22'
19	S57°17'25"E	606.87'

Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-T1015-7TH \$PLTDRVS\$ \$PENTBLS\$ TYLIN\corr\101028\2016\21:11:11 PM



RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
COF1	65.12' LT "COF" 47+07.01	46.41' LT "COF" 51+73.93	481'	28'
COF2	56.59' LT "COF" 53+47.41	58.42' RT "7TH" 103+82.86	89'	27'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION LAYOUT
7TH STANDARD ROAD

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1015
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
700	59.00' RT "SR99SB" 288+00.00	56.92' RT "SR99SB" 300+16.87	1203'	32'

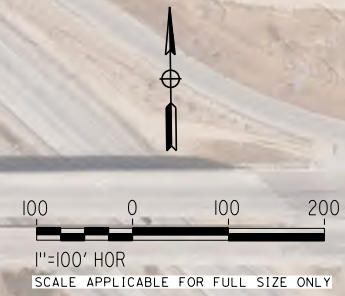
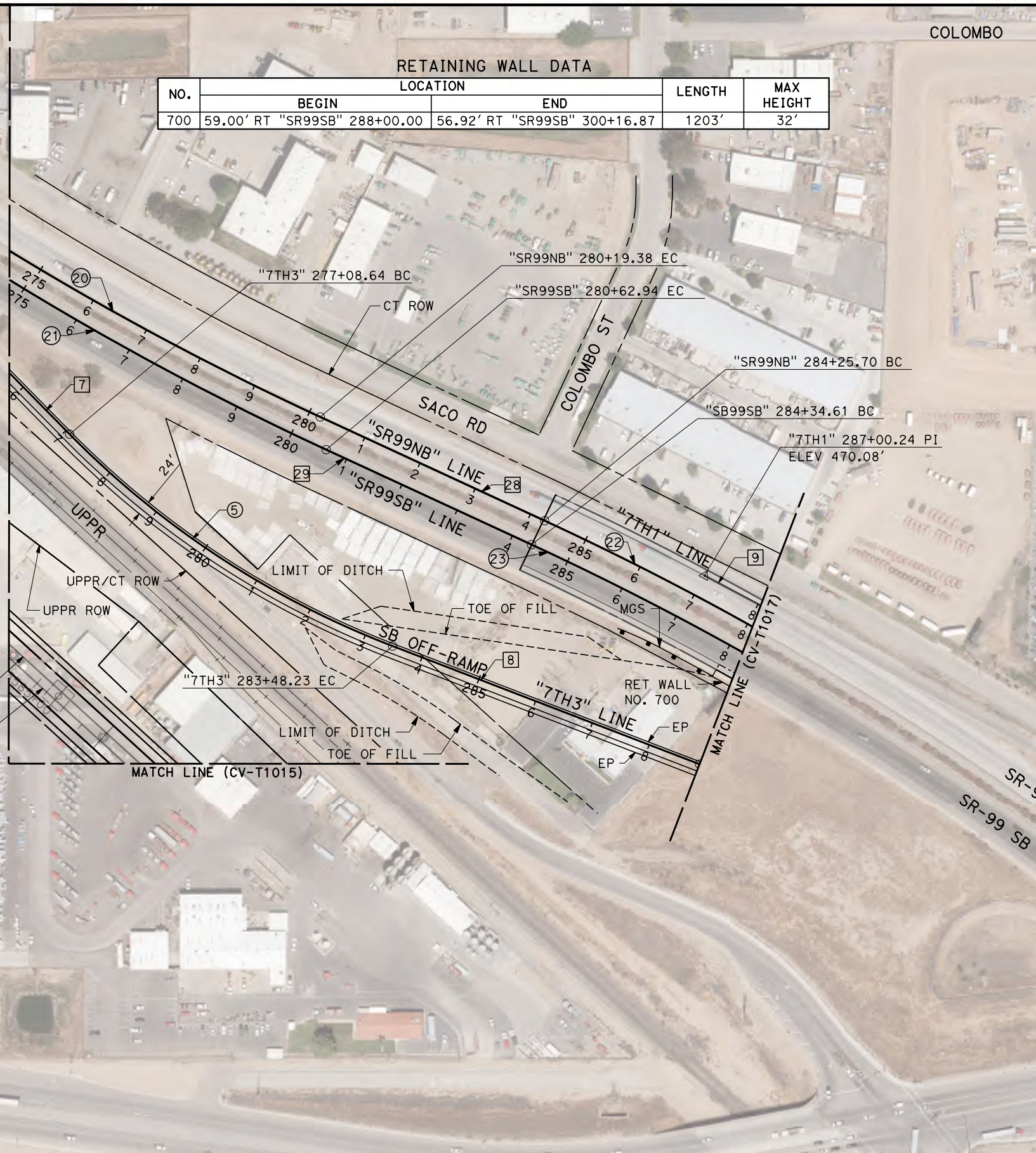
LINE DATA

NO.	BEARING	DISTANCE
7	S43°44'13"E	227.44'
8	S68°10'03"E	540.46'
9	S61°03'03"E	557.74'
28	S64°24'36"E	406.32'
29	S64°24'36"E	371.67'

CURVE DATA

NO.	R	Δ	T	L
5	1500.00'	24°25'20"	324.73'	639.59'
20	5000.00'	17°41'37"	778.23'	1544.06'
21	5000.00'	17°41'37"	778.23'	1537.94'
22	5000.00'	19°43'56"	869.59'	1721.96'
23	5000.00'	19°46'04"	871.19'	1725.05'

Projects\701206.N.BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1016-7TH \$PLTDRVS\$ \$PENTBLS\$ 10/28/2016 2:10:44 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION LAYOUT
7TH STANDARD ROAD

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1016
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

CURVE DATA

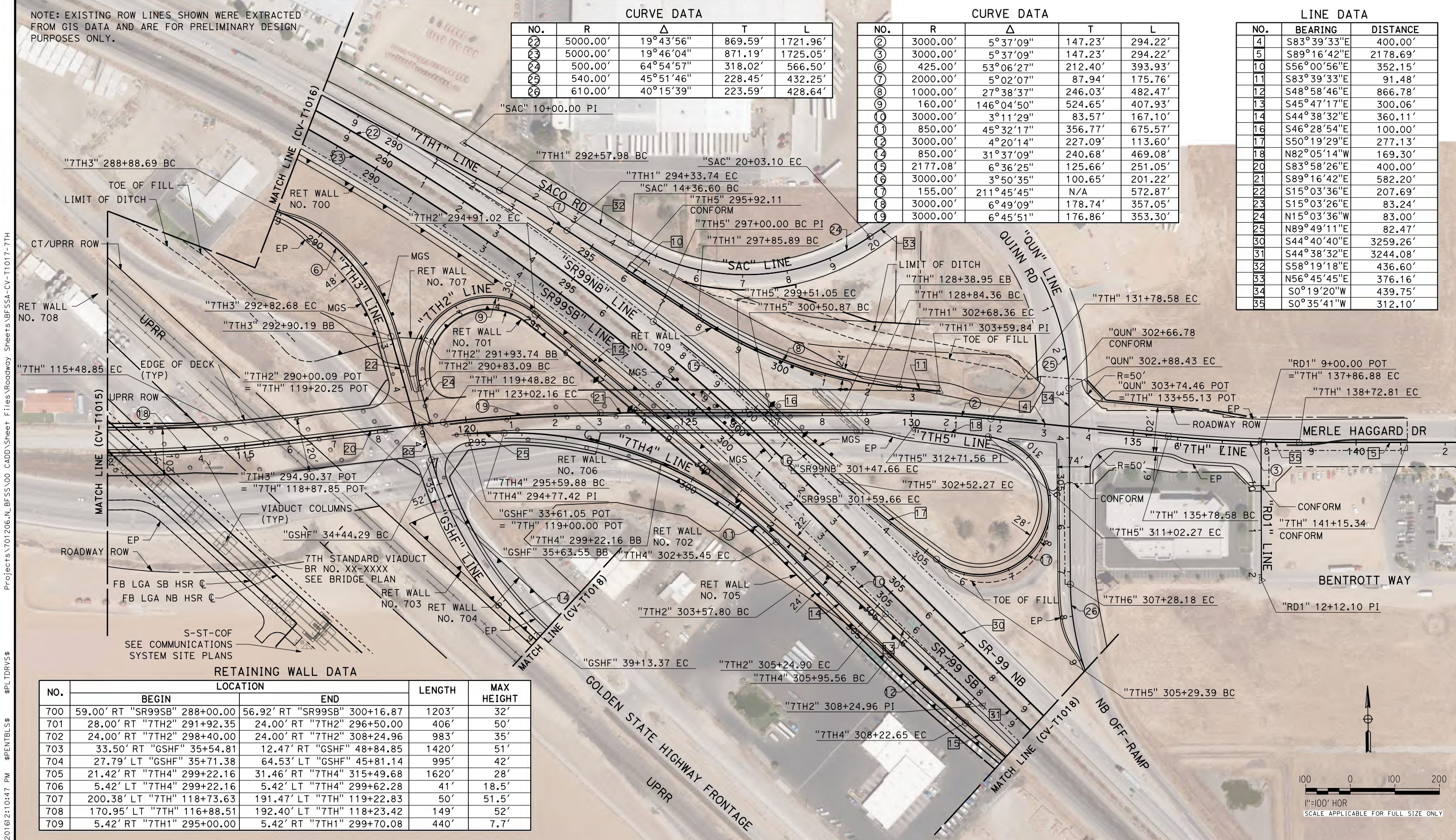
NO.	R	Δ	T	L
22	5000.00'	19°43'56"	869.59'	1721.96'
23	5000.00'	19°46'04"	871.19'	1725.05'
24	500.00'	64°54'57"	318.02'	566.50'
25	540.00'	45°51'46"	228.45'	432.25'
26	610.00'	40°15'39"	223.59'	428.64'

CURVE DATA

NO.	R	Δ	T	L
2	3000.00'	5°37'09"	147.23'	294.22'
3	3000.00'	5°37'09"	147.23'	294.22'
6	425.00'	53°06'27"	212.40'	393.93'
7	2000.00'	5°02'07"	87.94'	175.76'
8	1000.00'	27°38'37"	246.03'	482.47'
9	160.00'	146°04'50"	524.65'	407.93'
10	3000.00'	3°11'29"	83.57'	167.10'
11	850.00'	45°32'17"	356.77'	675.57'
12	3000.00'	4°20'14"	227.09'	113.60'
14	850.00'	31°37'09"	240.68'	469.08'
15	2177.08'	6°36'25"	125.66'	251.05'
16	3000.00'	3°50'35"	100.65'	201.22'
17	155.00'	211°45'45"	N/A	572.87'
18	3000.00'	6°49'09"	178.74'	357.05'
19	3000.00'	6°45'51"	176.86'	353.30'

LINE DATA

NO.	BEARING	DISTANCE
4	S83°39'33"E	400.00'
5	S89°16'42"E	2178.69'
10	S56°00'56"E	352.15'
11	S83°39'33"E	91.48'
12	S48°58'46"E	866.78'
13	S45°47'17"E	300.06'
14	S44°38'32"E	360.11'
16	S46°28'54"E	100.00'
17	S50°19'29"E	277.13'
18	N82°05'14"W	169.30'
20	S83°58'26"E	400.00'
21	S89°16'42"E	582.20'
22	S15°03'36"E	207.69'
23	S15°03'26"E	83.24'
24	N15°03'36"W	83.00'
25	N89°49'11"E	82.47'
30	S44°40'40"E	3259.26'
31	S44°38'32"E	3244.08'
32	S58°19'18"E	436.60'
33	N56°45'45"E	376.16'
34	S0°19'20"W	439.75'
35	S0°35'41"W	312.10'



RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
700	59.00' RT "SR99SB" 288+00.00	56.92' RT "SR99SB" 300+16.87	1203'	32'
701	28.00' RT "7TH2" 291+92.35	24.00' RT "7TH2" 296+50.00	406'	50'
702	24.00' RT "7TH2" 298+40.00	24.00' RT "7TH2" 308+24.96	983'	35'
703	33.50' RT "GSHF" 35+54.81	12.47' RT "GSHF" 48+84.85	1420'	51'
704	27.79' LT "GSHF" 35+71.38	64.53' LT "GSHF" 45+81.14	995'	42'
705	21.42' RT "7TH4" 299+22.16	31.46' RT "7TH4" 315+49.68	1620'	28'
706	5.42' LT "7TH4" 299+22.16	5.42' LT "7TH4" 299+62.28	41'	18.5'
707	200.38' LT "7TH" 118+73.63	191.47' LT "7TH" 119+22.83	50'	51.5'
708	170.95' LT "7TH" 116+88.51	192.40' LT "7TH" 118+23.42	149'	52'
709	5.42' RT "7TH1" 295+00.00	5.42' RT "7TH1" 299+70.08	440'	7.7'

Projects\701206.N.BFSS\00_CADD\Sheet Files\Roadway_Sheets\BFSSA-CV-T1017-7TH
 \$PLTDIVS\$
 \$PENTBL\$
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DESIGNED BY
H. PARK
 DRAWN BY
P. BOCTOR
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

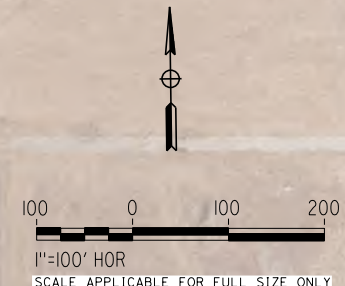
**RECORD SET
PEPD DESIGN
SUBMISSION**

TYLIN INTERNATIONAL



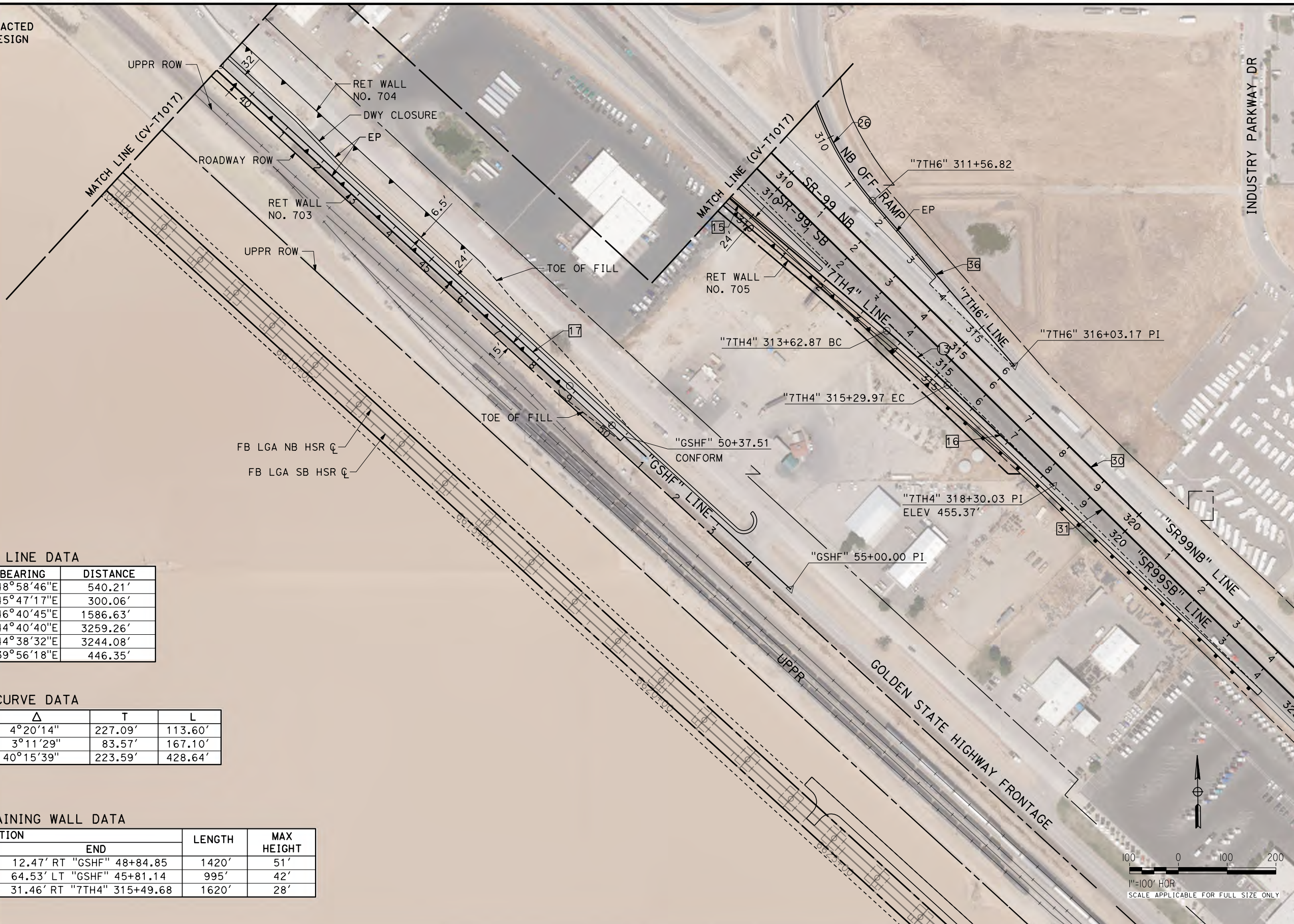
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION LAYOUT
 7TH STANDARD ROAD

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T1017
 SCALE
AS SHOWN
 SHEET NO.



NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

Projects\701206.N.BFSS\00 CADD\Sheet Files\Roadway Sheets\BFSSA-CV-T1018-7TH \$PLTDRVS\$ \$PENTBLS\$ TYLIN\carrillo\10/28/2016\2:11:28 PM



LINE DATA

NO.	BEARING	DISTANCE
15	S48°58'46"E	540.21'
16	S45°47'17"E	300.06'
17	S46°40'45"E	1586.63'
30	S44°40'40"E	3259.26'
31	S44°38'32"E	3244.08'
36	S39°56'18"E	446.35'

CURVE DATA

NO.	R	Δ	T	L
15	3000.00'	4°20'14"	227.09'	113.60'
16	3000.00'	3°11'29"	83.57'	167.10'
26	610.00'	40°15'39"	223.59'	428.64'

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
703	33.50' RT "GSHF" 35+54.81	12.47' RT "GSHF" 48+84.85	1420'	51'
704	27.79' LT "GSHF" 35+71.38	64.53' LT "GSHF" 45+81.14	995'	42'
705	21.42' RT "7TH4" 299+22.16	31.46' RT "7TH4" 315+49.68	1620'	28'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

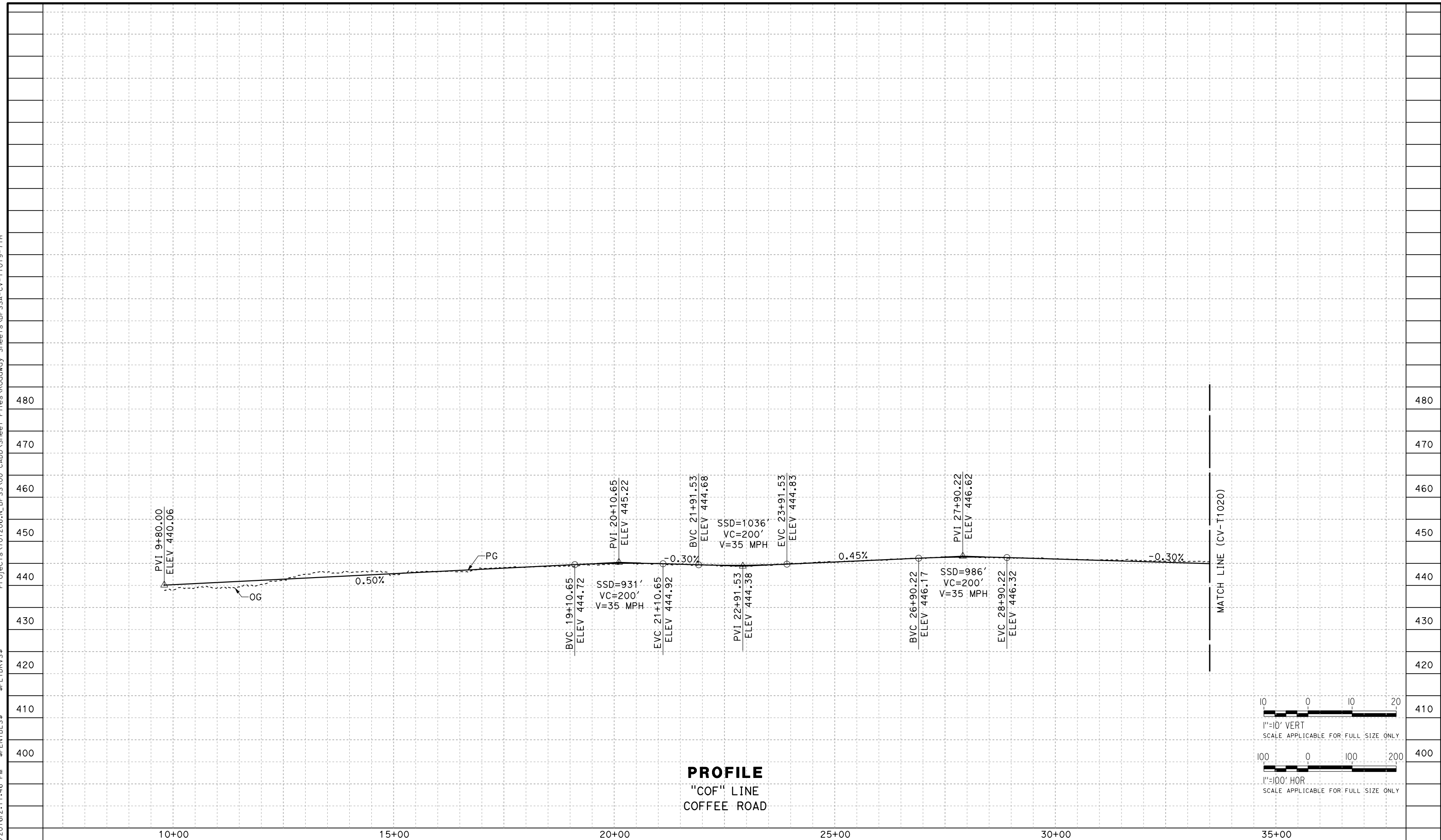
**RECORD SET
PEPD DESIGN
SUBMISSION**



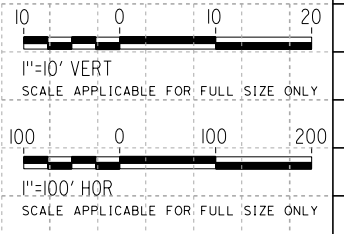
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION LAYOUT
7TH STANDARD ROAD

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1018
SCALE
AS SHOWN
SHEET NO.

TYL\rcor\1101028\2016\211:46 PM \$PENTBL\$.S\$ \$PLTDRVS\$ Projects\701206.N.BFSS\00 CADD\Sheet Files\Roadway_Sheets\BFSSA-CV-T1019-7TH



PROFILE
"COF" LINE
COFFEE ROAD



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

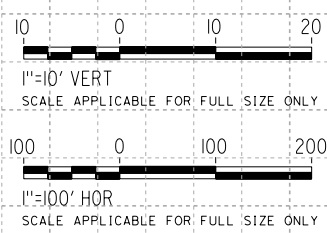
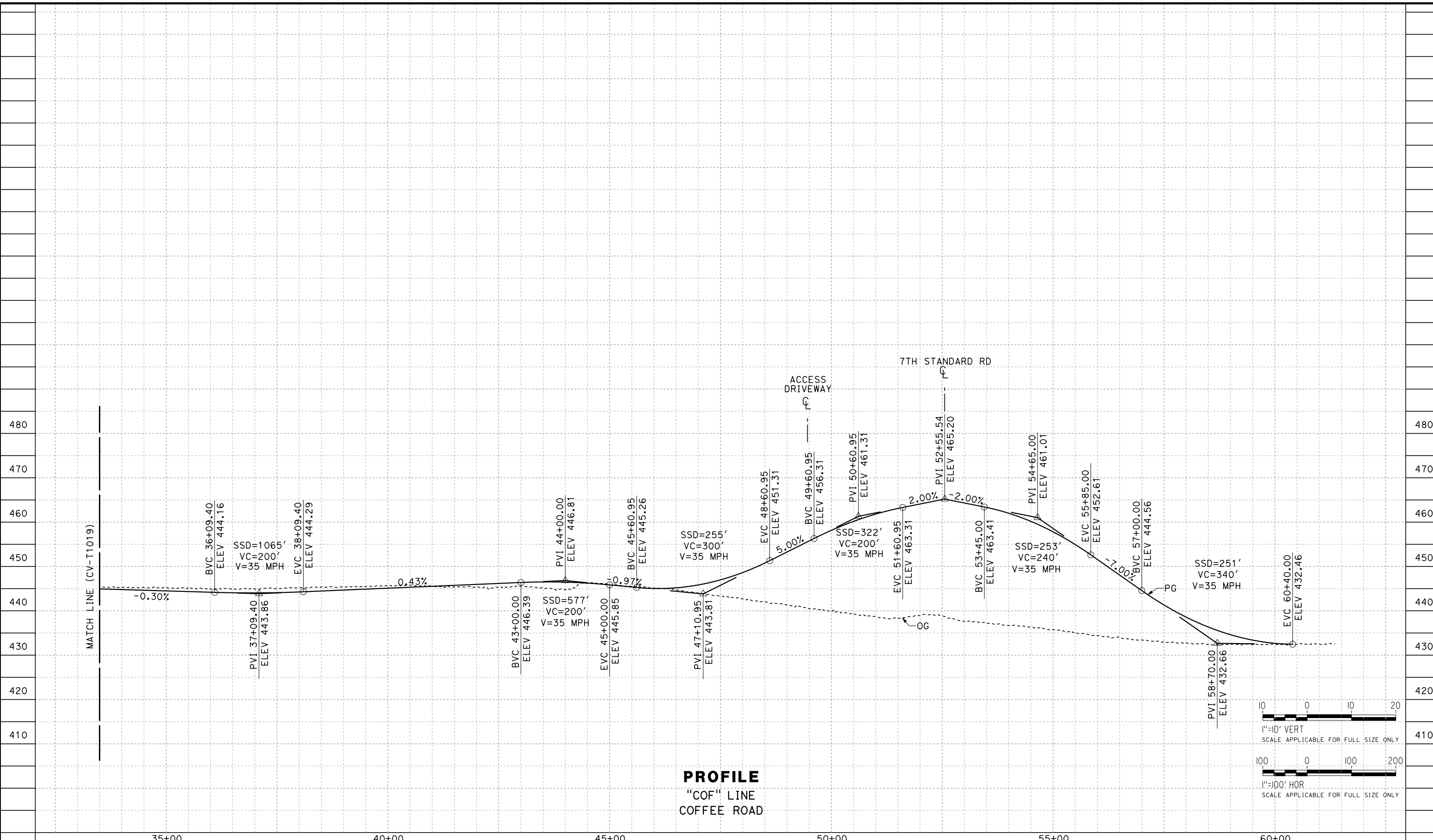
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
7TH STANDARD ROAD

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1019
SCALE
AS SHOWN
SHEET NO.

Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1020-7TH \$PLTDRVS\$ \$PENTBL\$ \$ 10/28/2016 2:11:25 PM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
P. BOCTOR

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

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PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
7TH STANDARD ROAD

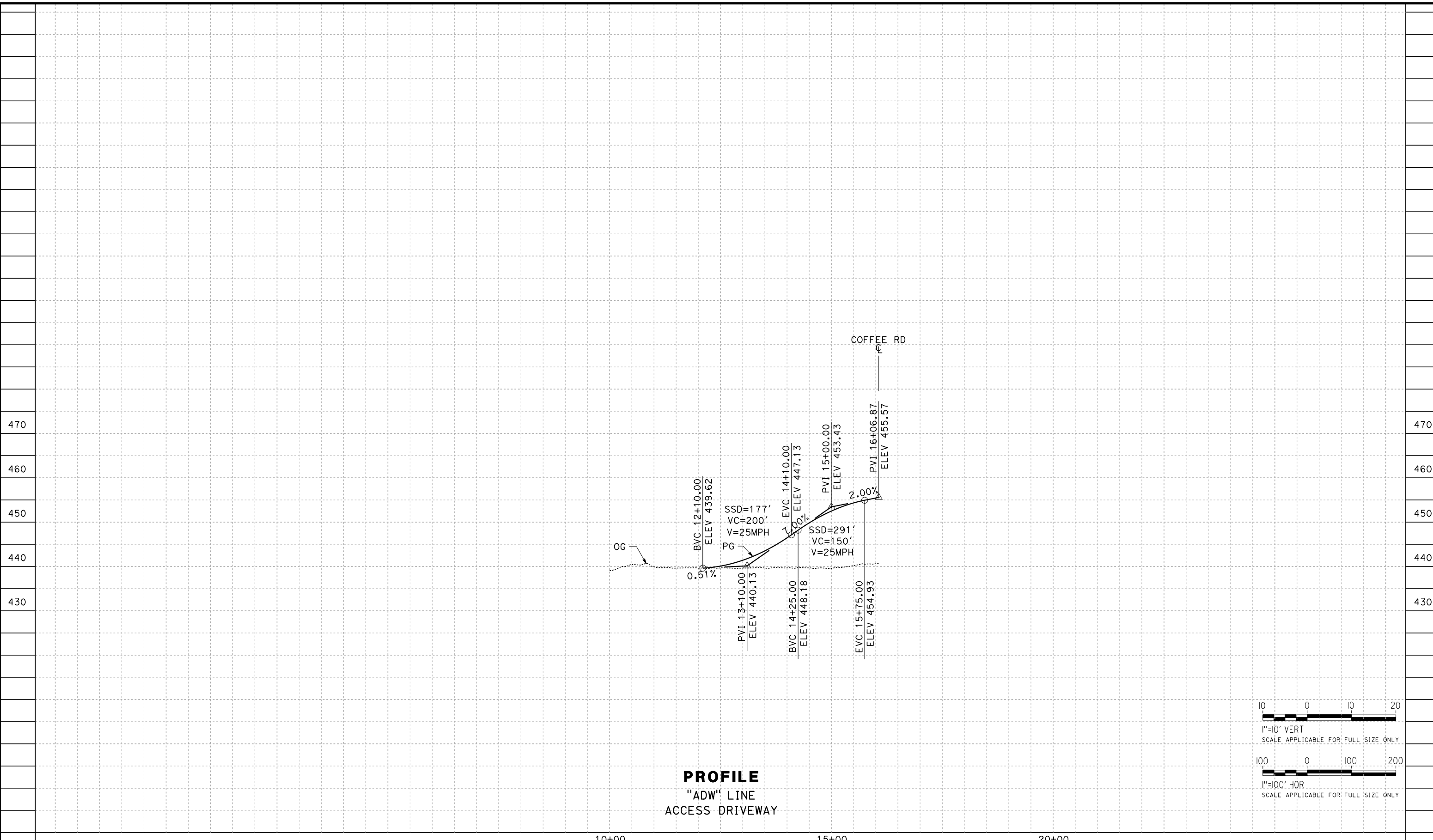
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1020

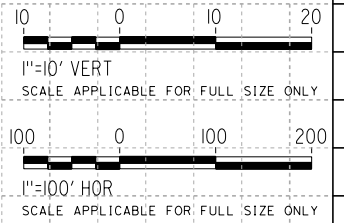
SCALE
AS SHOWN

SHEET NO.

TYLIN\corporate\10/28/2016\12:12:09 PM \$PENTBL\$ \$PLTDRV\$ Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1021-7TH



PROFILE
"ADW" LINE
ACCESS DRIVEWAY



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

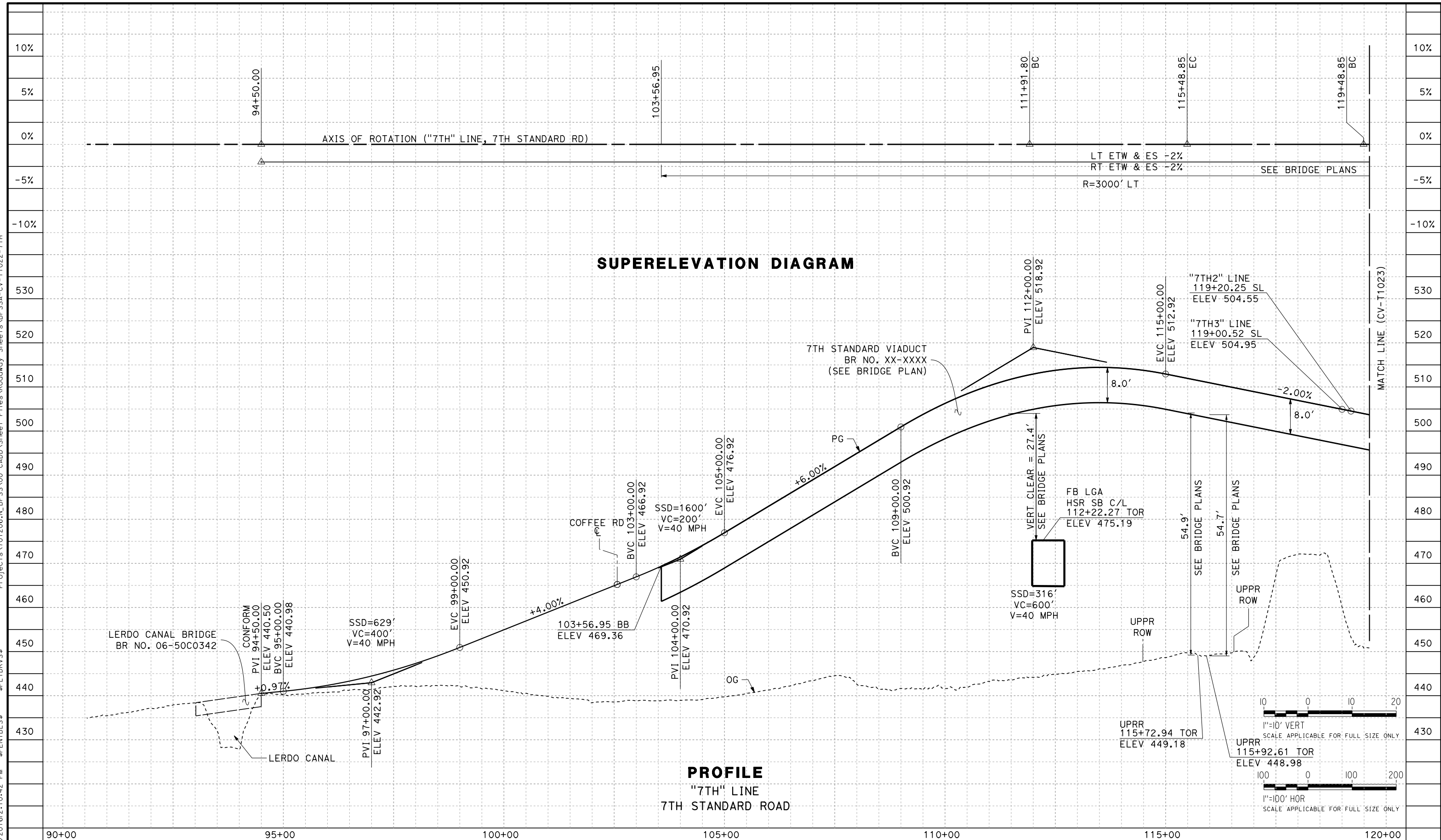
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
ACCESS DRIVEWAY

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1021
SCALE
AS SHOWN
SHEET NO.

Projects\701206_N_BFSS\00_CADD\Sheet Files\Roadway_Sheets\BFSSA-CV-T1022-7TH \$PLTDRVS\$ \$PENTBL\$ \$ 10/28/2016 2:10:42 PM



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P. BOCTOR

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
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TYLIN INTERNATIONAL



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
7TH STANDARD ROAD

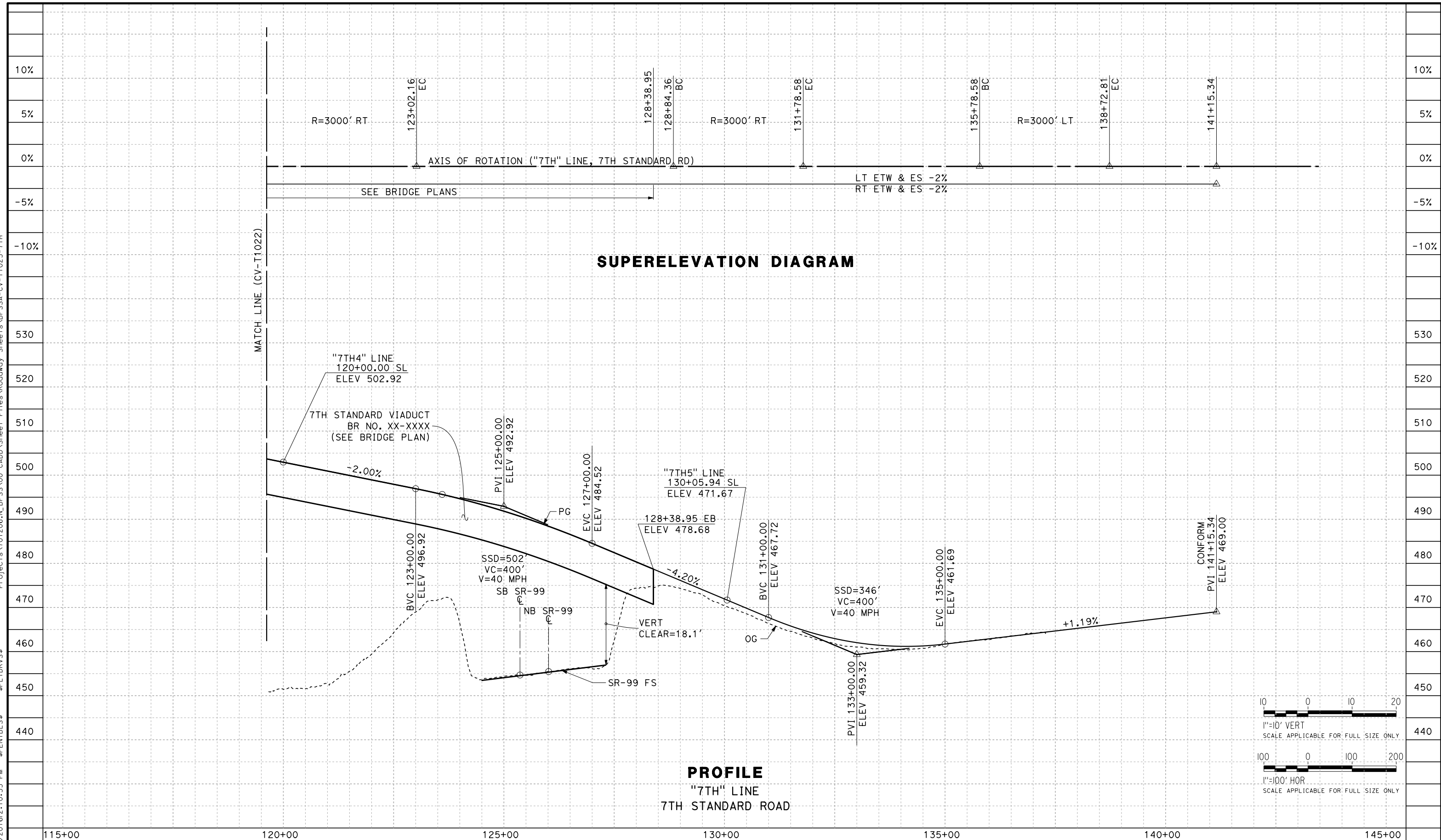
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1022

SCALE
AS SHOWN

SHEET NO.

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IN CHARGE
S. OLLO

DATE
10/28/2016

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TYLIN INTERNATIONAL



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
7TH STANDARD ROAD

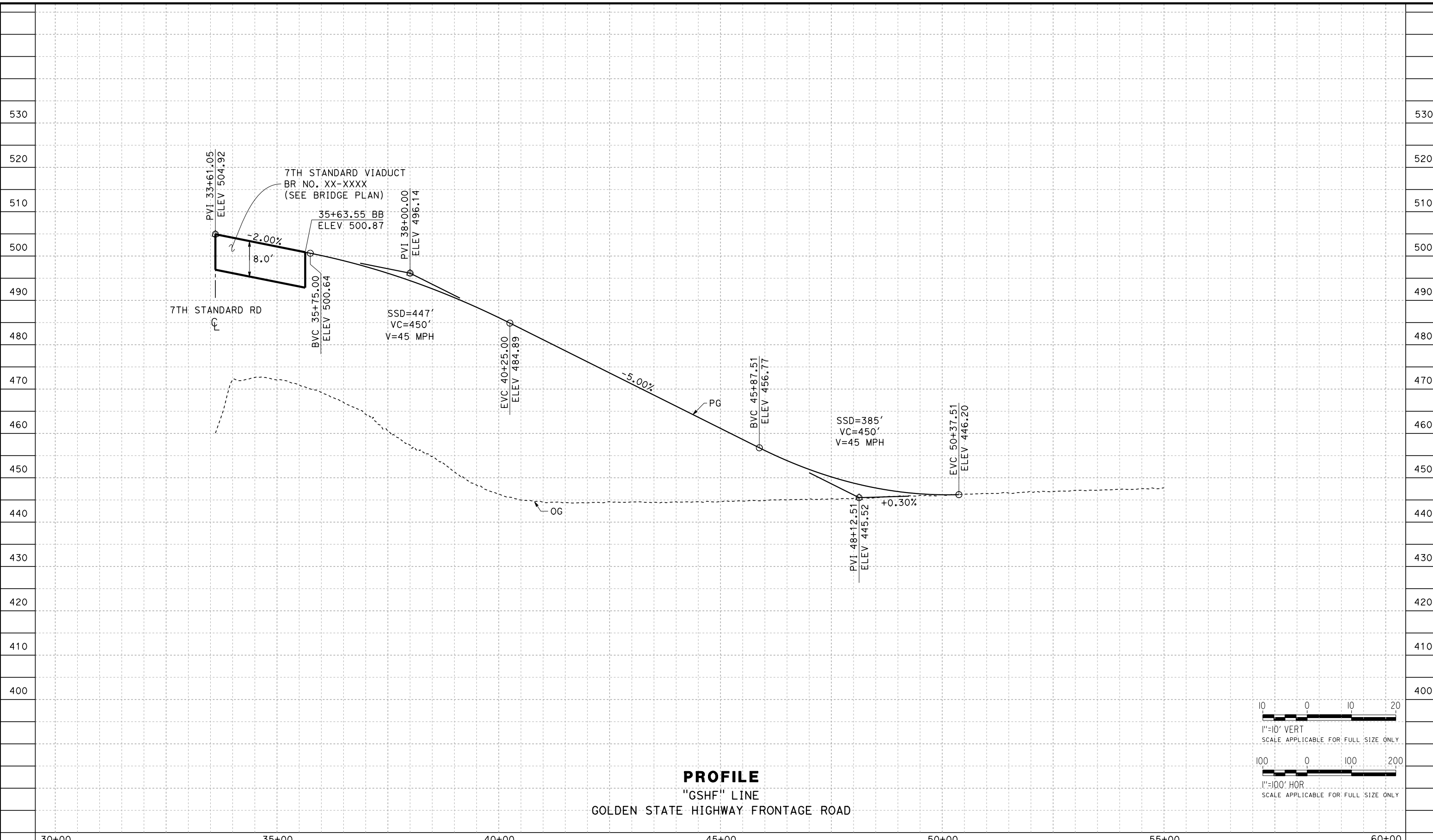
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DRAWING NO.
CV-T1023

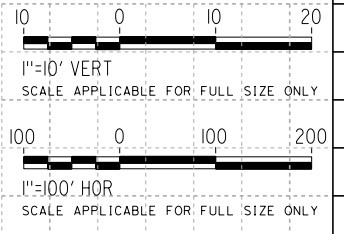
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AS SHOWN

SHEET NO.

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PROFILE
"GSHF" LINE
GOLDEN STATE HIGHWAY FRONTAGE ROAD



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

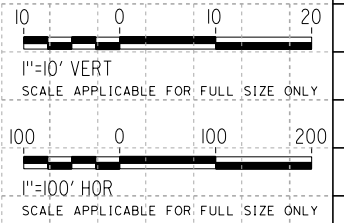
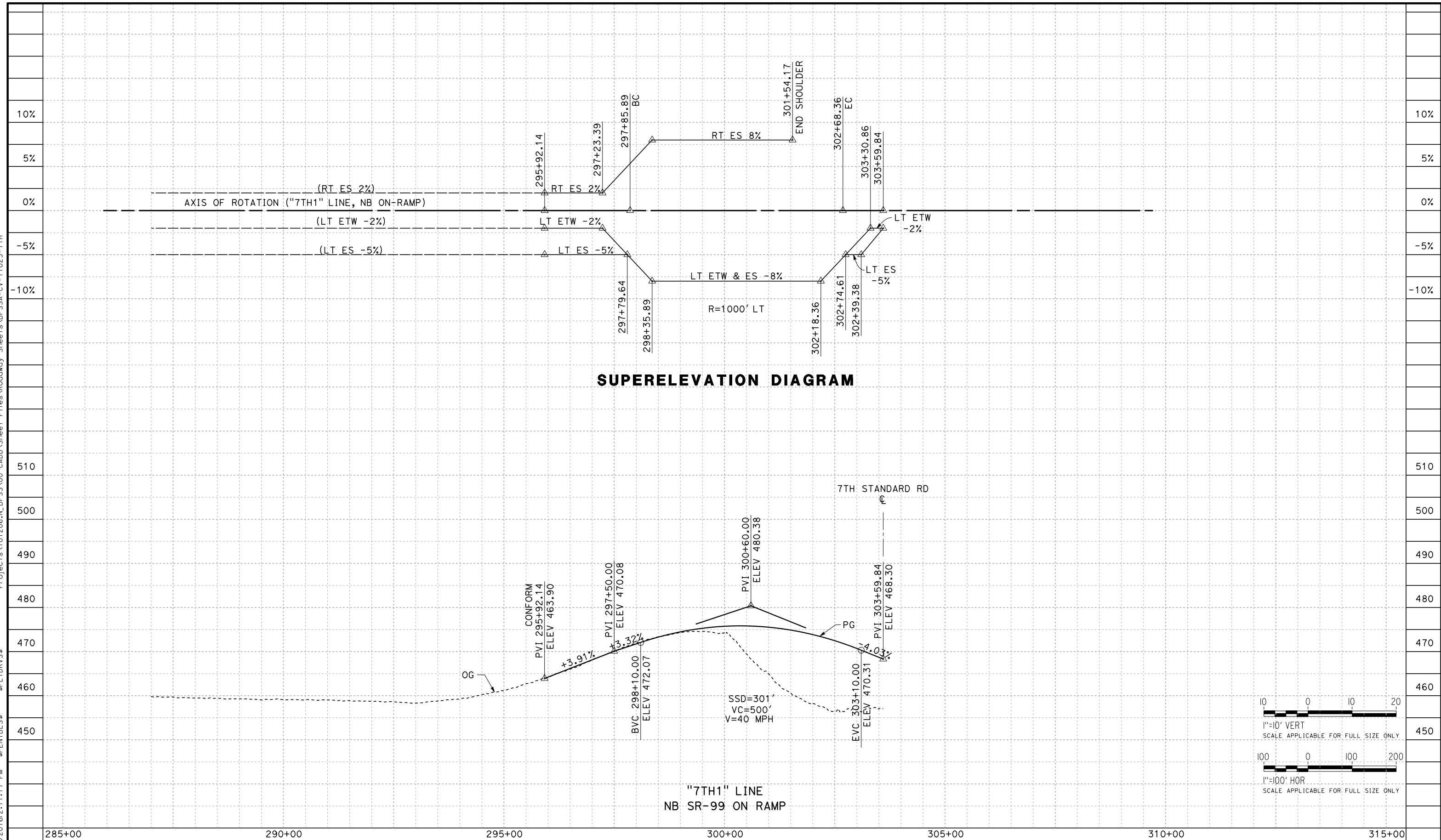
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
GOLDEN STATE HIGHWAY FRONTAGE

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1024
SCALE
AS SHOWN
SHEET NO.

Projects\701206.N_BFSS\00_CADD\Sheet Files\Roadway_Sheets\BFSSA-CV-T1025-7TH \$PLTDRVS\$ \$PENTBL\$ \$ 10/28/2016 2:11:17 PM



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H. PARK
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P. BOCTOR
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R. GONZALEZ
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 DATE
10/28/2016

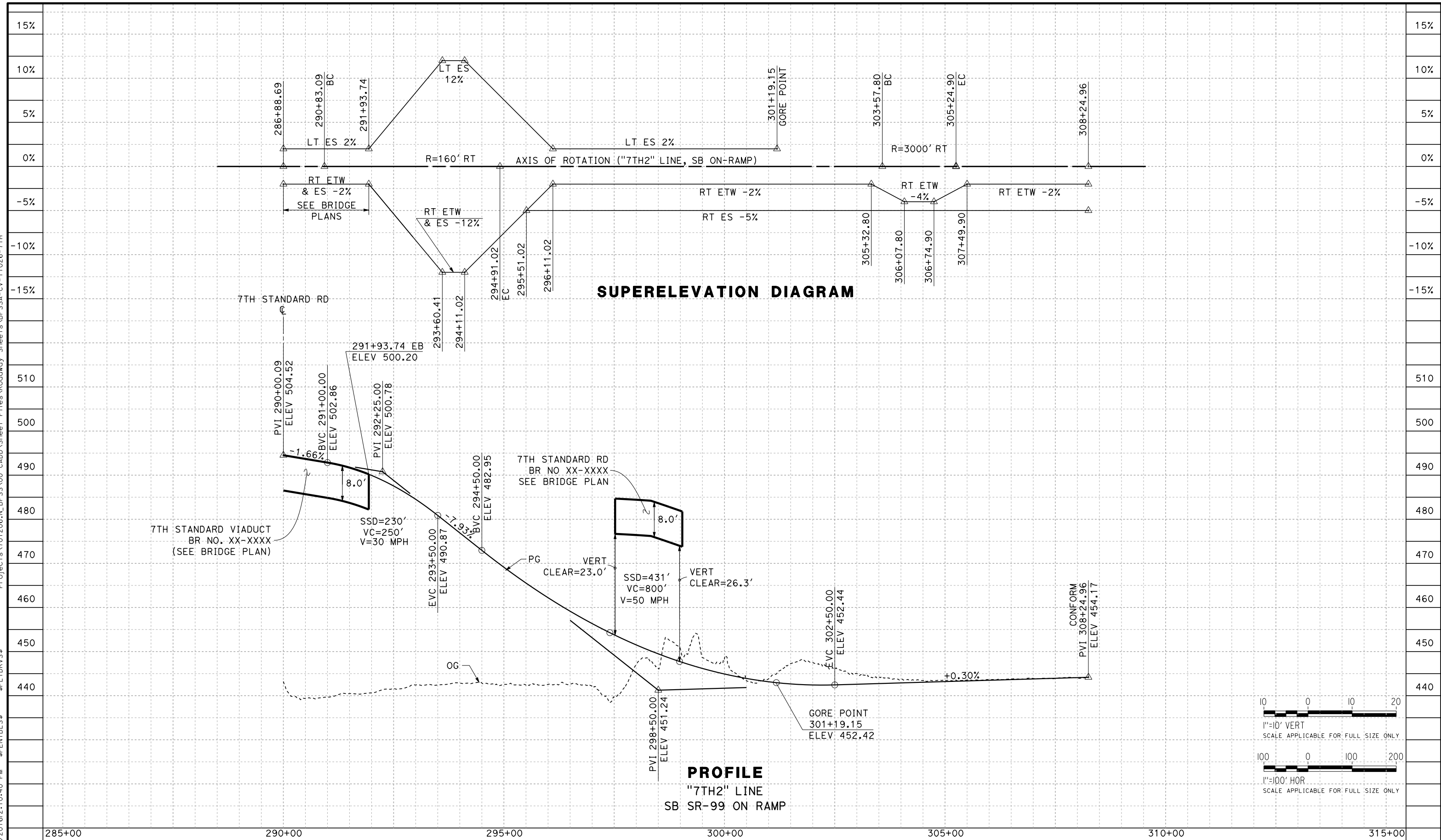
**RECORD SET
PEPD DESIGN
SUBMISSION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION PROFILE
 7TH STANDARD ROAD

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T1025
 SCALE
AS SHOWN
 SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
P. BOCTOR

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

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TYLIN INTERNATIONAL



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
7TH STANDARD ROAD

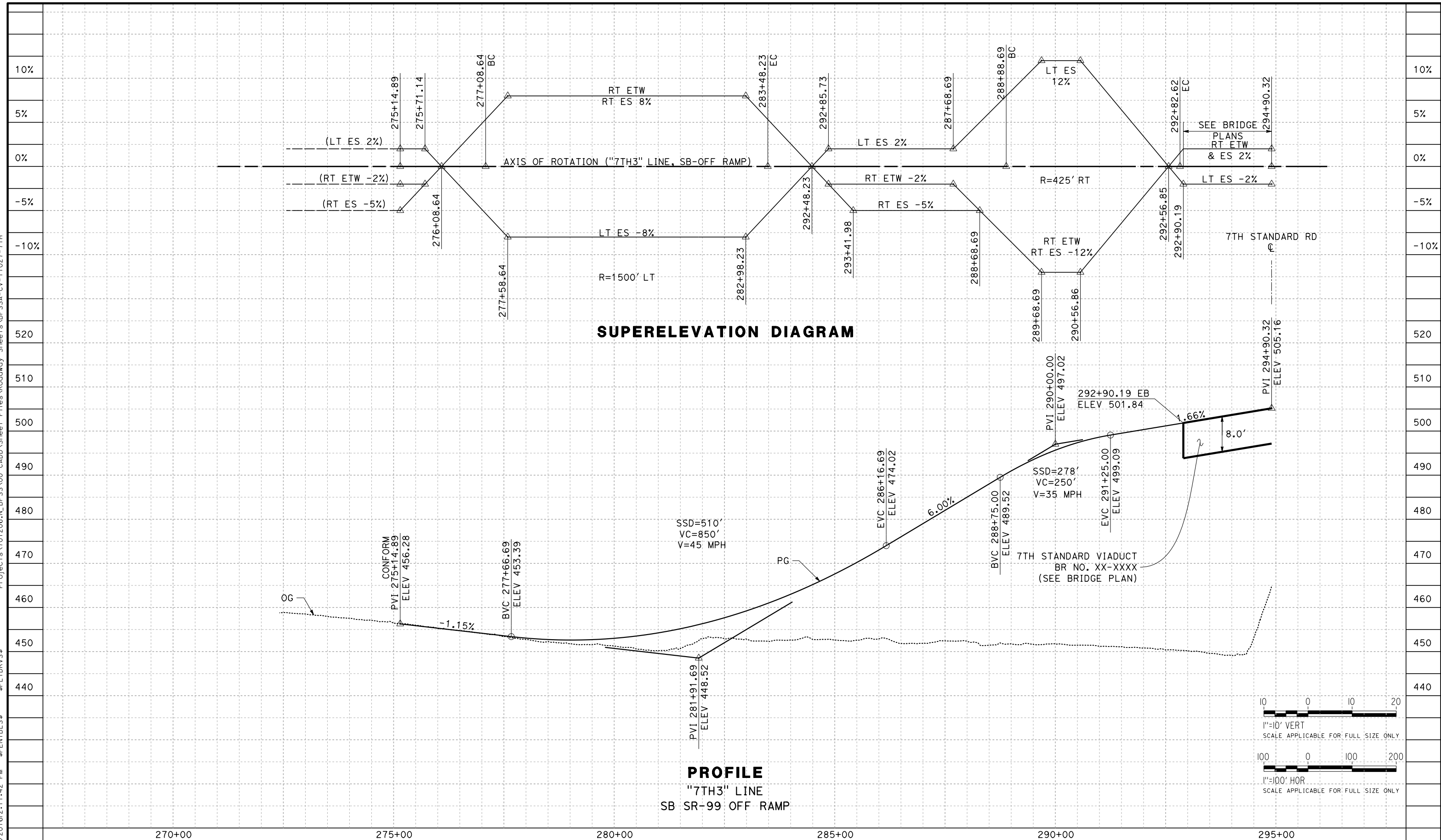
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HSR13-44

DRAWING NO.
CV-T1026

SCALE
AS SHOWN

SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

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P. BOCTOR

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R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

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SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
7TH STANDARD ROAD

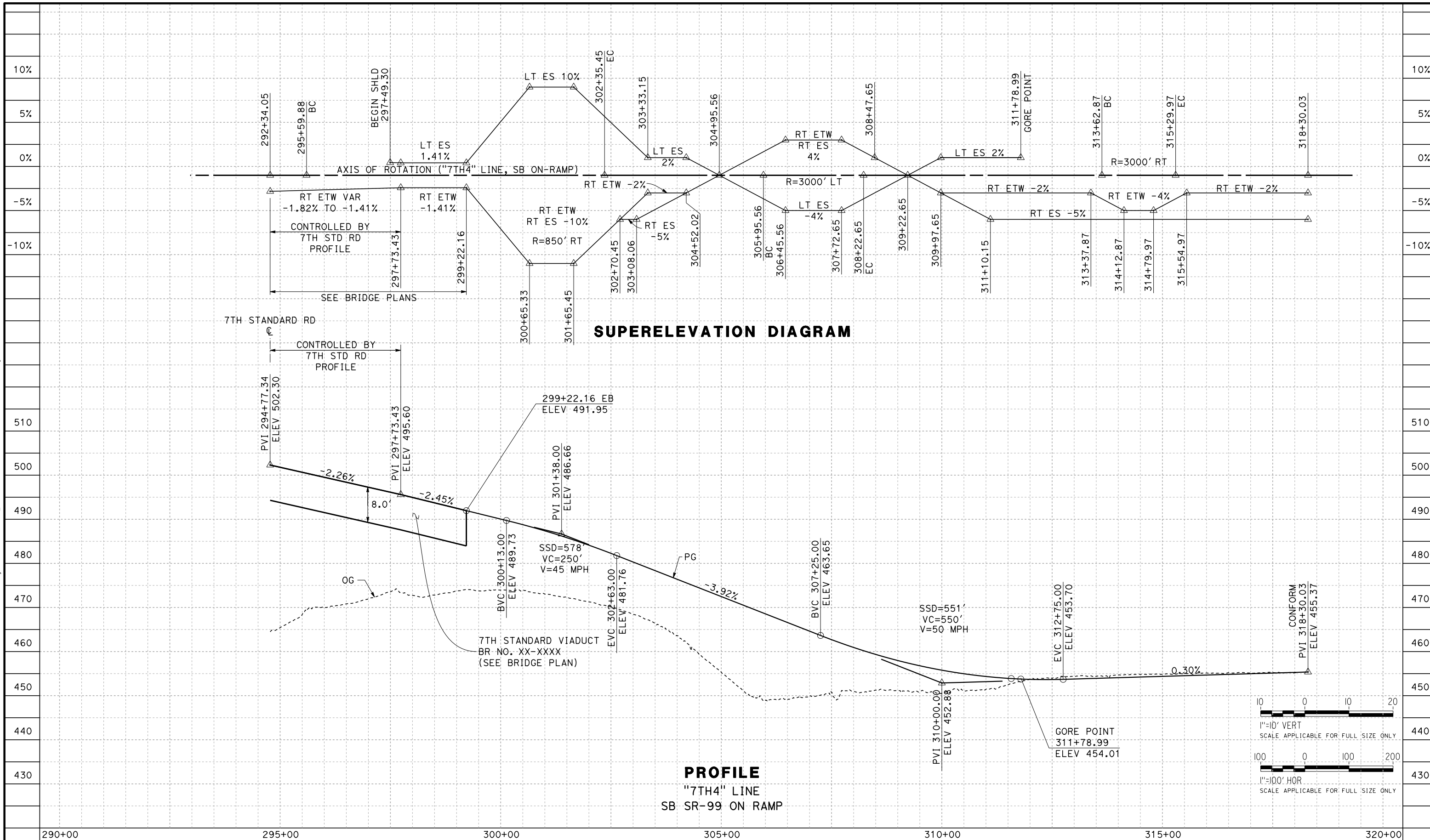
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1027

SCALE
AS SHOWN

SHEET NO.

TYL\rcor\1101028\2016\210:58 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1028-7TH



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY H. PARK
DRAWN BY P. BOCTOR
CHECKED BY R. GONZALEZ
IN CHARGE S. OLLO
DATE 10/28/2016

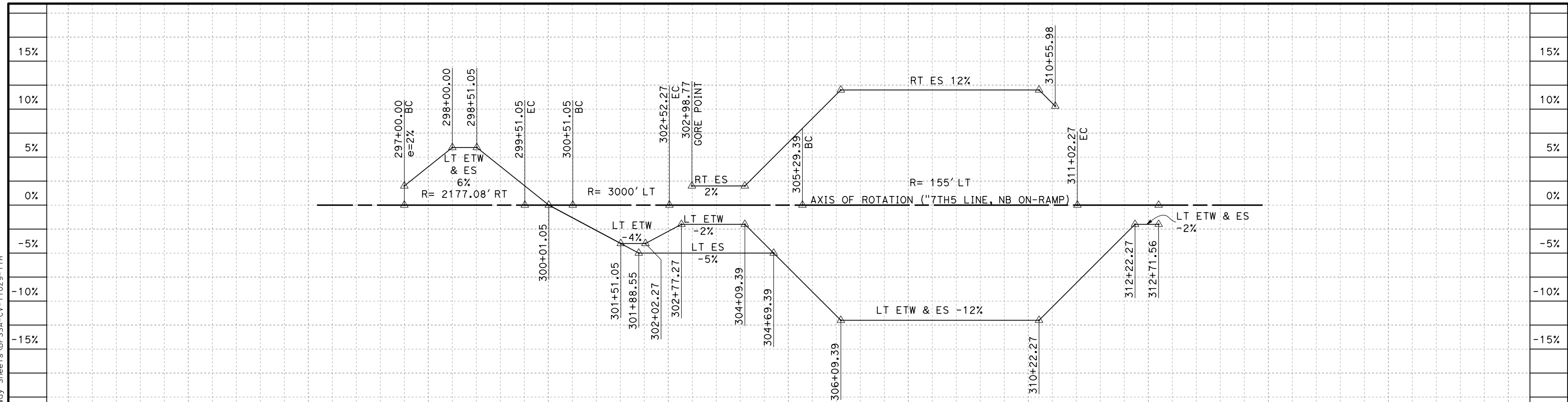
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PEPD DESIGN
SUBMISSION**



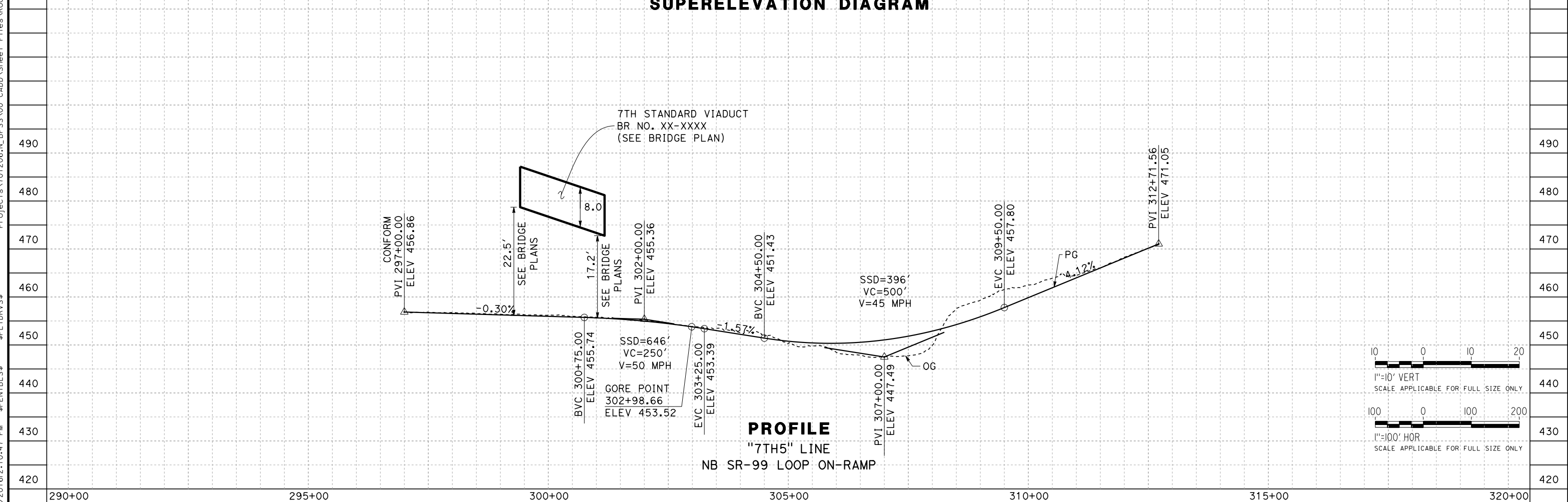
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
7TH STANDARD ROAD

CONTRACT NO. HSR13-44
DRAWING NO. CV-T1028
SCALE AS SHOWN
SHEET NO.

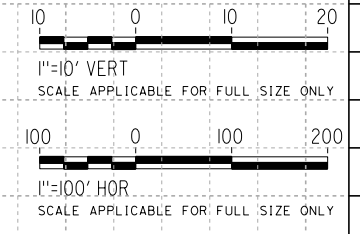
TYL\rcor\1101028\2016\21047 PM \$PENTBL\$ \$PLTDRV\$ Projects\T01206.N_BFSS\00_CADD\Sheet Files\Roadway_Sheets\BFSSA-CV-T1029-7TH



SUPERELEVATION DIAGRAM



PROFILE
"7TH5" LINE
NB SR-99 LOOP ON-RAMP



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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P. BOCTOR
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
7TH STANDARD ROAD

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1029
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

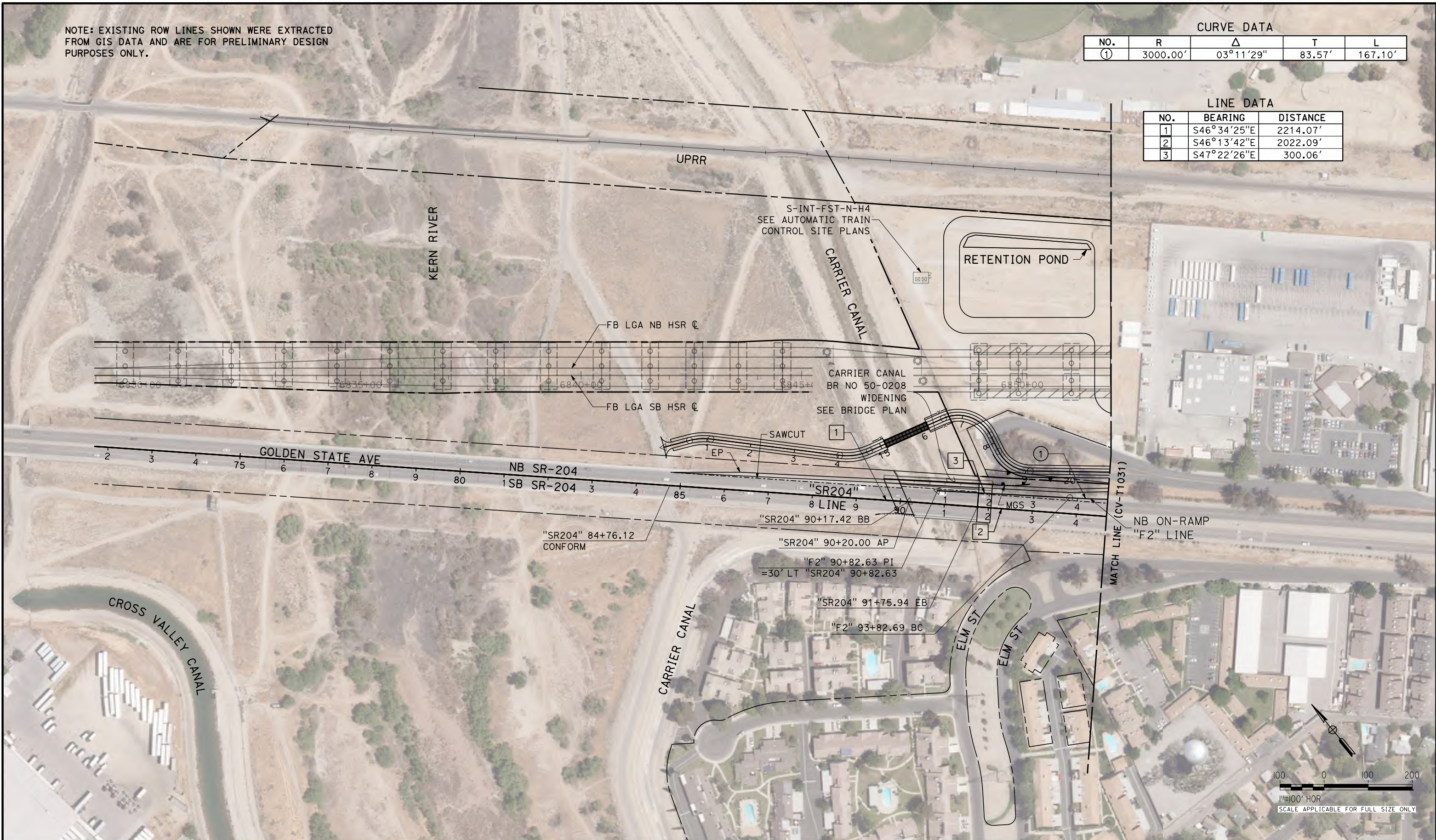
CURVE DATA

NO.	R	Δ	T	L
①	3000.00'	03°11'29"	83.57'	167.10'

LINE DATA

NO.	BEARING	DISTANCE
1	S46°34'25"E	2214.07'
2	S46°13'42"E	2022.09'
3	S47°22'26"E	300.06'

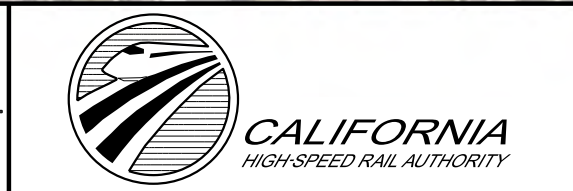
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 \$PENTBL\$
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. DRULINER
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION LAYOUT
 SR-204

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T1030
 SCALE
AS SHOWN
 SHEET NO.

LINE DATA

NO.	BEARING	DISTANCE
2	S46°13'42"E	2022.09'
4	S53°26'52"E	1029.04'
5	S41°21'33"E	474.62'
6	N46°06'05"W	522.53'
7	S48°35'35"E	140.62'
8	S49°53'47"E	193.75'
9	S49°36'19"E	194.91'
11	S50°33'55"E	453.32'
12	N46°45'16"W	765.64'
13	S50°28'07"E	556.36'
14	S48°34'44"E	802.31'
19	N00°49'03"E	467.48'
20	N39°31'53"E	656.17'
22	N00°49'04"E	368.35'
23	N07°05'52"E	110.03'
24	N00°08'46"E	200.35'
25	N39°31'53"E	24.90'
26	N46°13'42"W	193.85'
27	N43°46'18"E	13.50'
28	S46°13'42"E	135.17'
29	N43°46'18"E	223.42'

CURVE DATA

NO.	R	Δ	T	L
①	3000.00'	03°11'29"	83.57'	167.10'
②	3000.00'	03°48'39"	99.80'	199.53'
③	3000.00'	07°13'11"	189.26'	378.02'
④	550.00'	38°42'50"	193.22'	371.62'
⑤	140.00'	04°44'32"	62.11'	124.15'
⑥	3000.00'	02°29'30"	62.24'	130.46'
⑦	5000.00'	01°53'22"	82.46'	164.89'
⑧	3000.00'	01°53'22"	49.47'	98.94'
⑩	613.00'	38°43'08"	215.38'	414.25'

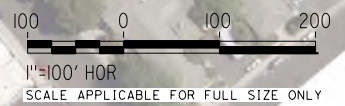
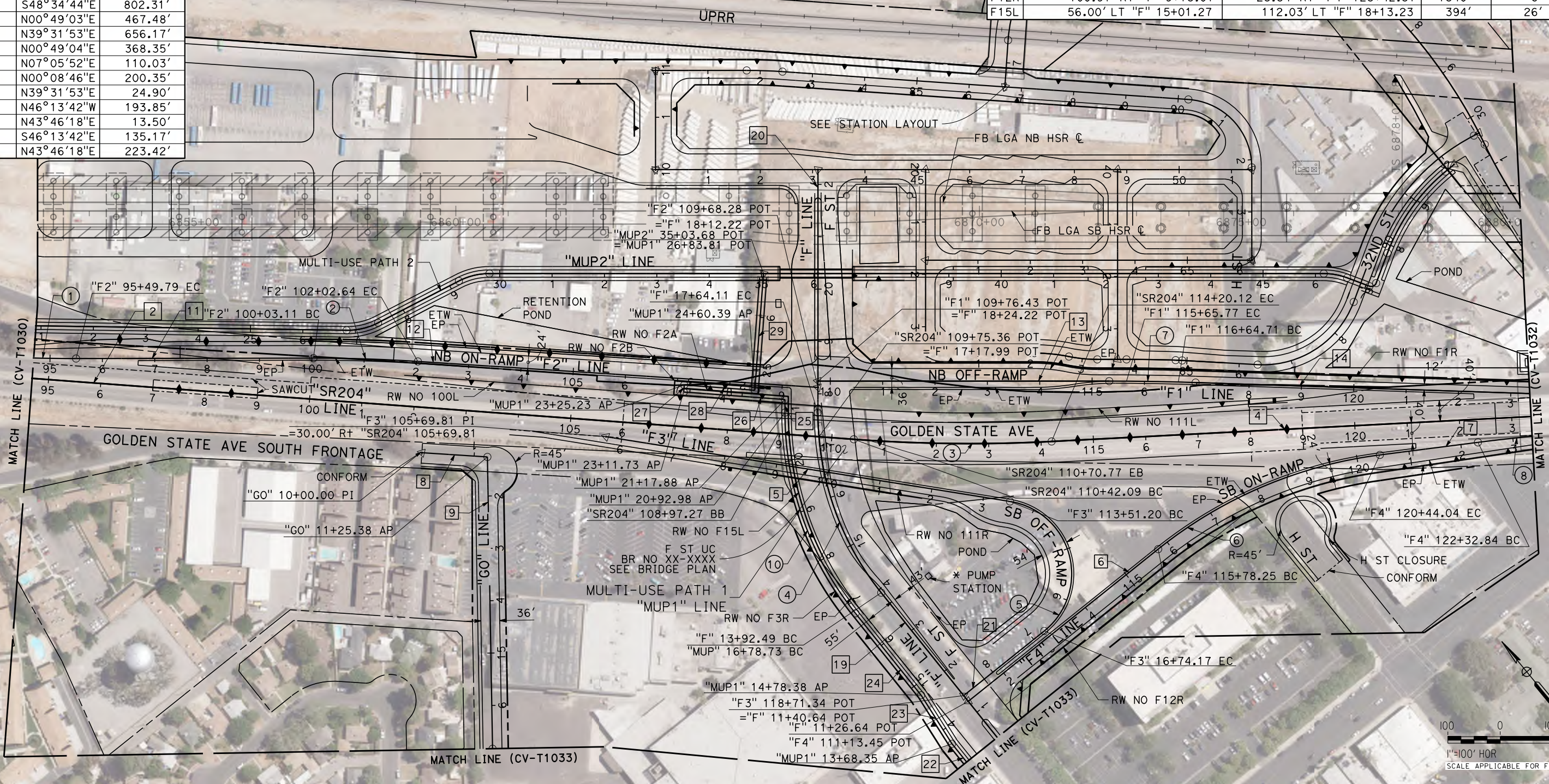
NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

* 10' X 10' REINFORCED CONCRETE PUMP STATION HOUSE
2 EACH - 40 HP PUMPS
EMERGENCY GENERATOR

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
100L	58.50' LT "SR204" 101+76.79	58.50' LT "SR204" 108+91.37	715'	8'
100R	58.50' RT "SR204" 101+51.84	58.50' RT "SR204" 108+91.37	740'	27'
111L	58.50' LT "SR204" 110+68.84	58.50' LT "SR204" 117+99.12	379'	22'
111R	58.50' RT "SR204" 110+67.86	58.50' RT "SR204" 118+00.00	380'	6'
F1R	70.45' LT "F1" 110+42.44	23.5' LT "F1" 123+41.69	1441'	27'
F2A	18.43' RT "F2" 107+13.14	19.74' RT "F2" 108+56.30	144'	18'
F2B	32.75' RT "F2" 106+94.01	6.11' RT "F2" 108+41.43	176'	25'
F3R	41.50' RT "SR204" 94+72.13	164.00 LT "F" 11+99.79	2005'	34'
F12R	100.97' RT "F" 9+15.01	25.34' RT "F4" 123+42.31	1340'	6'
F15L	56.00' LT "F" 15+01.27	112.03' LT "F" 18+13.23	394'	26'

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DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION LAYOUT
SR-204

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1031
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
129	47.92' RT "SR204" 128+79.41	42.50' RT+ "SR204" 133+00.00	421'	19'

CURVE DATA

NO.	R	Δ	T	L
①	3000.00'	03°11'29"	83.57'	167.10'

LINE DATA

NO.	BEARING	DISTANCE
4	S53°26'53"E	1029.03'
14	S48°34'44"E	802.31'
15	S53°26'53"E	330.74'
16	S53°26'53"E	708.79'
17	S54°35'37"E	300.06'



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H. PARK
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P. DRULINER
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R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

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CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION LAYOUT
 SR-204

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T1032
 SCALE
AS SHOWN
 SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

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CURVE DATA

NO.	R	Δ	T	L
⑨	300.00'	90°02'27"	300.21'	471.45'

LINE DATA

NO.	BEARING	DISTANCE
10	S51°31'05"E	414.96'
18	N00°51'25"E	274.51'
19	N00°49'04"E	467.49'
21	S38°28'55"W	246.26'

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
F3R	41.50' RT "SR204" 94+72.13	164.00' LT "F" 11+99.79	2005'	34'
F4R	150.39' RT "F" 11+22.87	24.34' RT "F4" 123+42.35	1707'	24'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. DRULINER
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

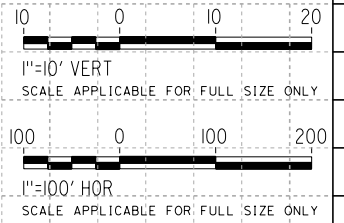
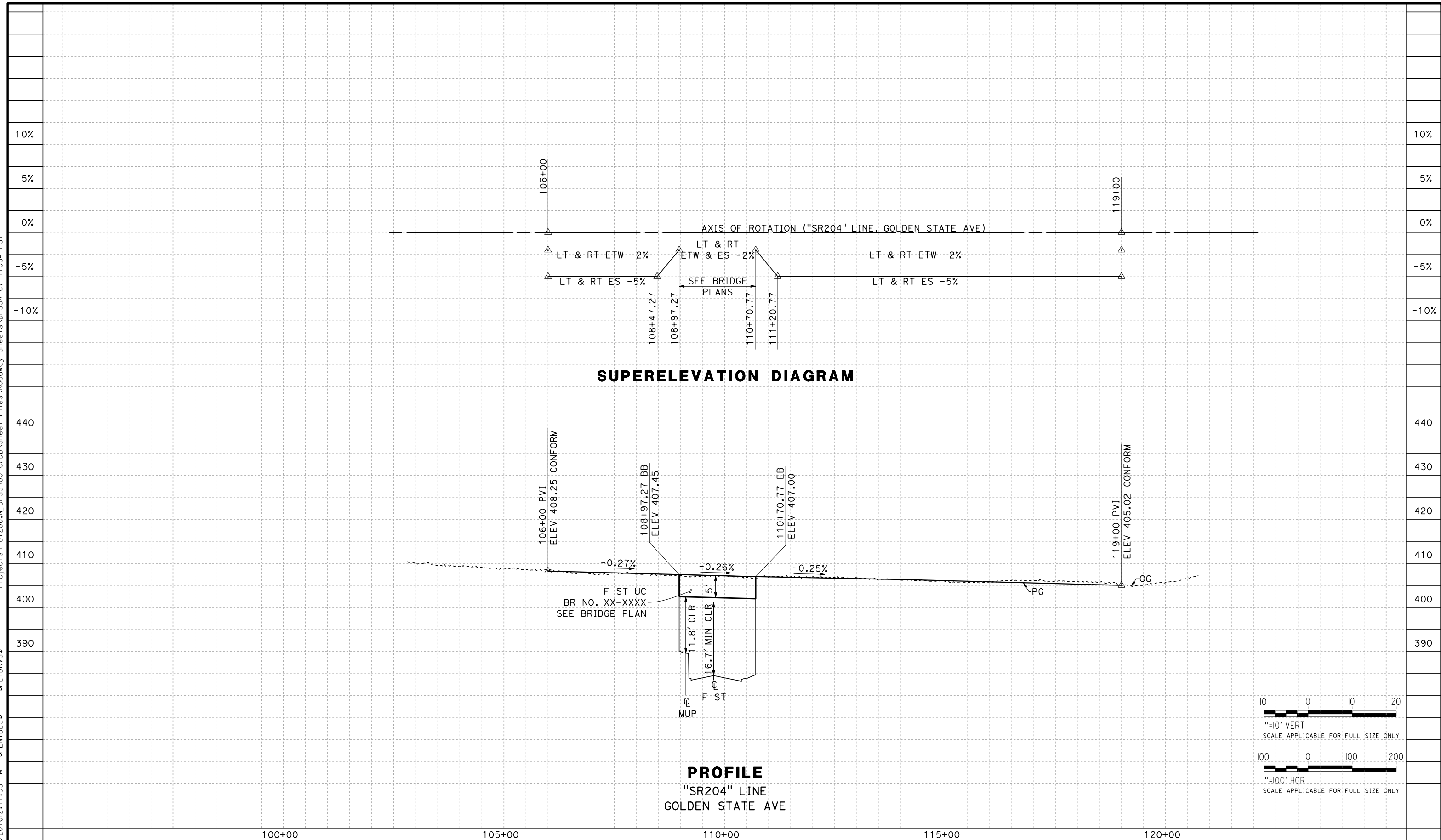
**RECORD SET
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION LAYOUT
 SR-204

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T1033
 SCALE
AS SHOWN
 SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

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H. PARK

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P. DRULINER

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

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CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION PROFILE
 SR-204

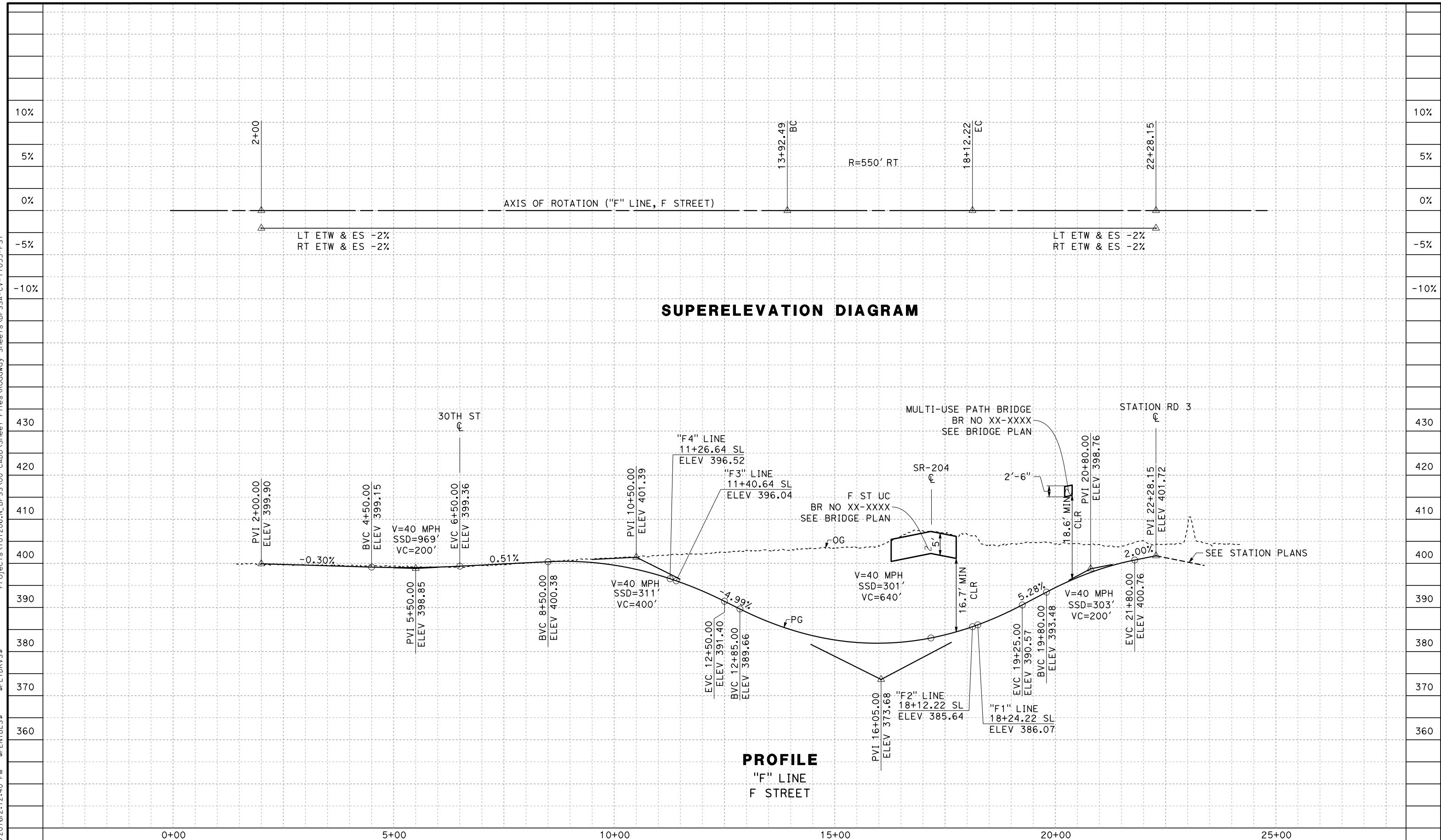
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HSR13-44

DRAWING NO.
CV-T1034

SCALE
AS SHOWN

SHEET NO.

TYL\rcor\1101028\2016\12\12:40 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N.BFSS\00 CADD\Sheet Files\Roadway Sheets\BFSSA-CV-T1035-FST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
P. DRULINER

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
F STREET

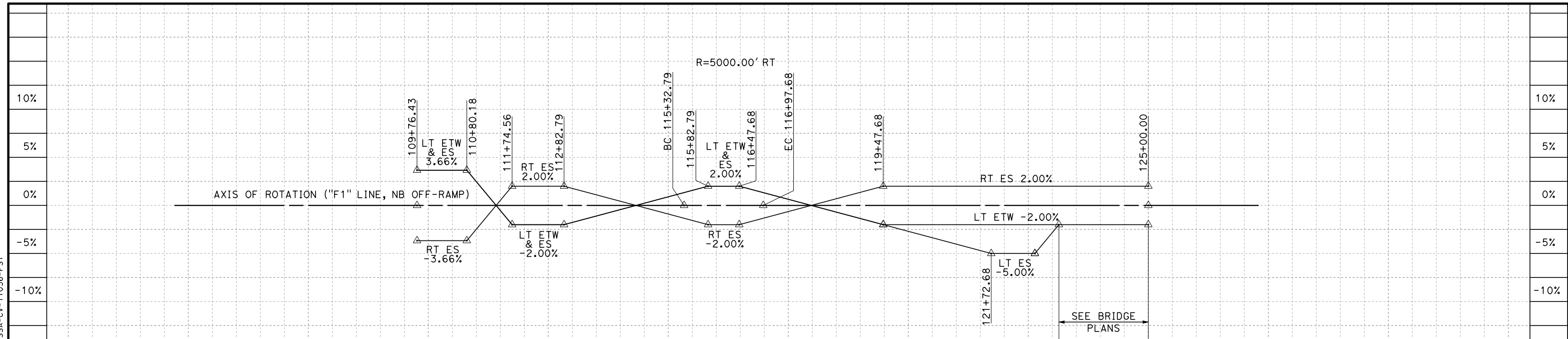
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HSR13-44

DRAWING NO.
CV-T1035

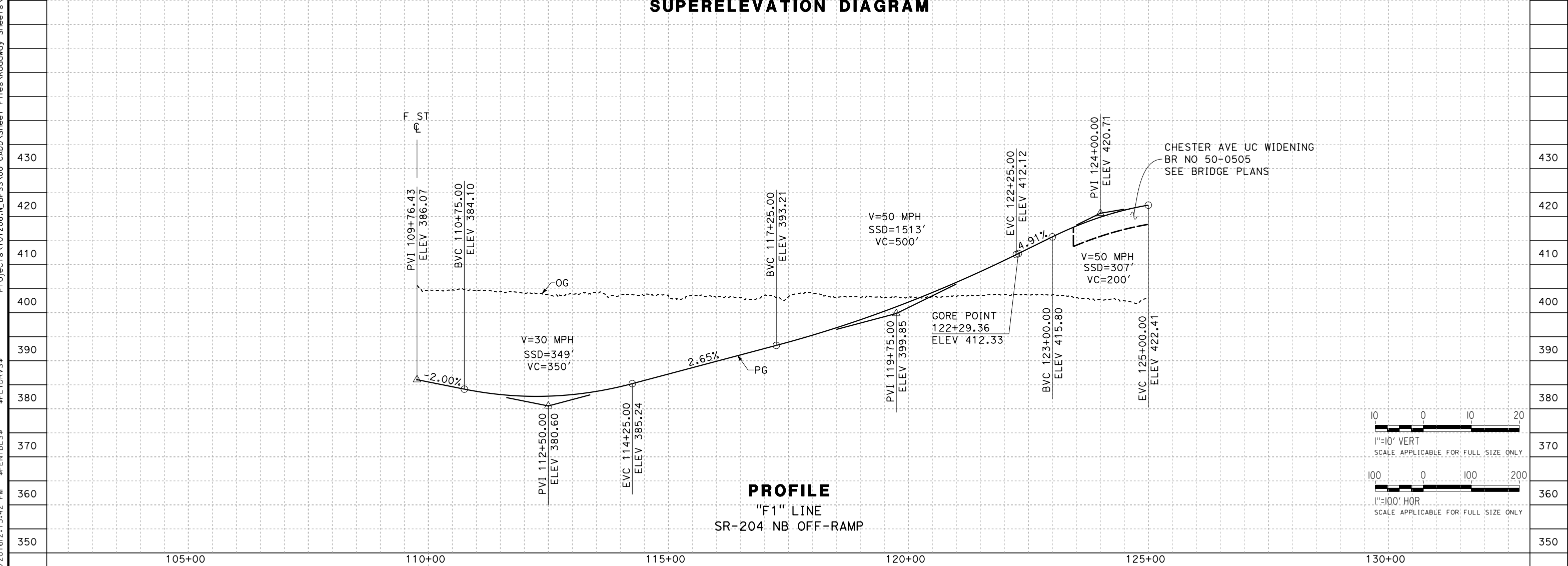
SCALE
AS SHOWN

SHEET NO.

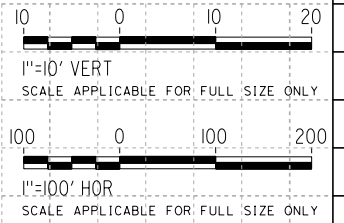
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SUPERELEVATION DIAGRAM



PROFILE
"F1" LINE
SR-204 NB OFF-RAMP



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

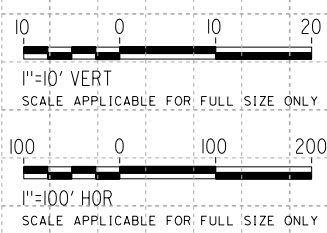
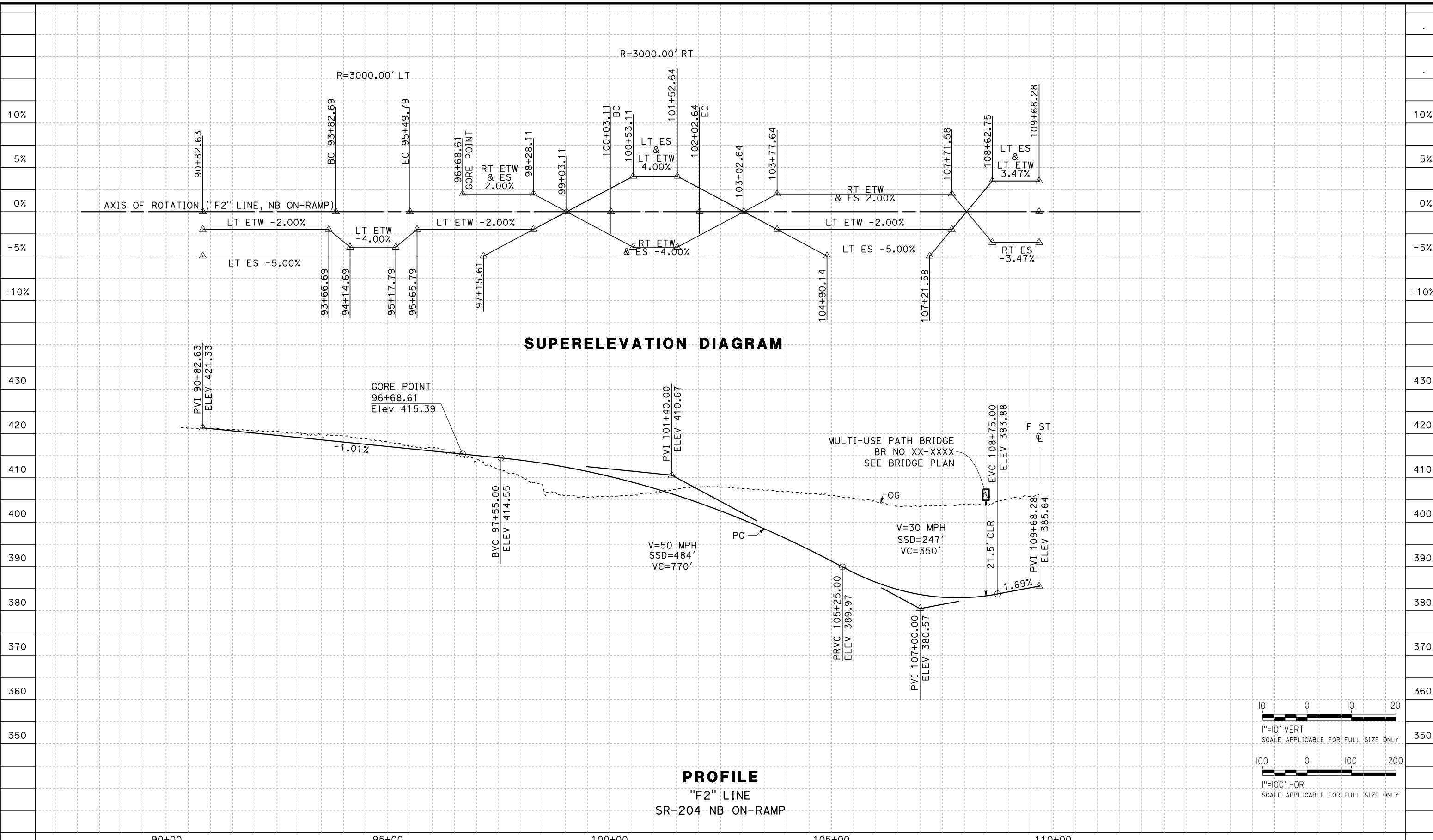
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
F STREET

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1036
SCALE
AS SHOWN
SHEET NO.

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DESIGNED BY
H. PARK

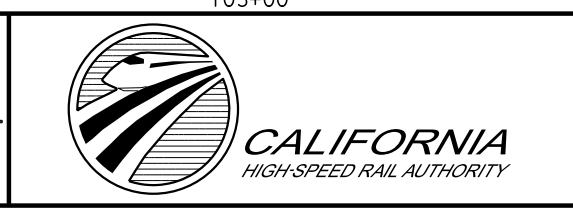
DRAWN BY
P. DRULINER

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION PROFILE
 F STREET

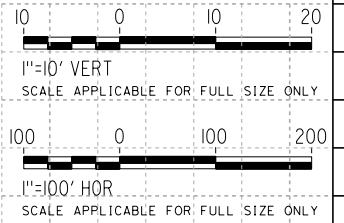
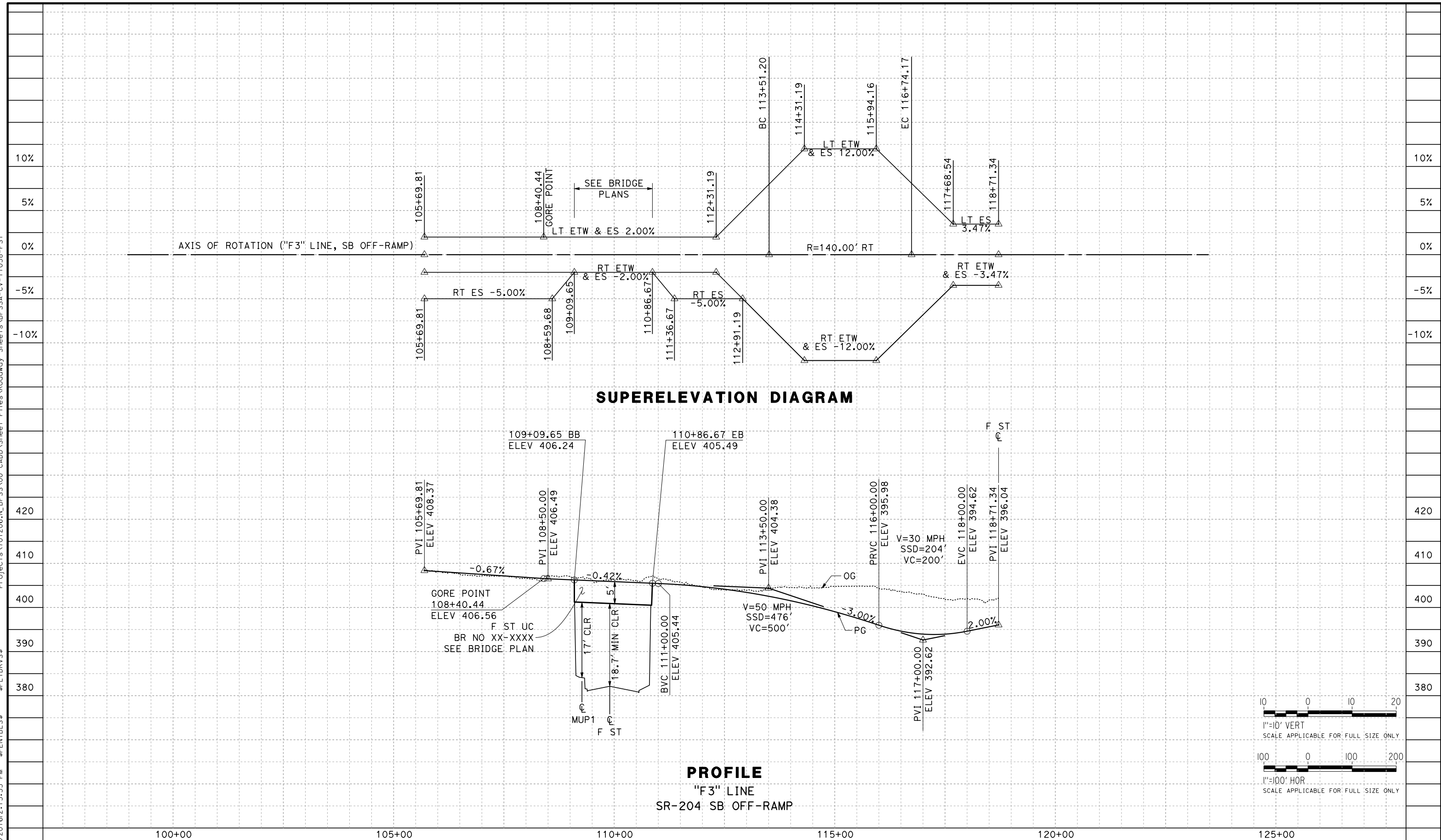
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1037

SCALE
AS SHOWN

SHEET NO.

TYL\vrca\1101028\2016\21:13:33 PM \$PENTBL\$ \$PLTDRV\$ Projects\701206_N_BFSS\00_CADD\Sheet Files\Roadway_Sheets\BFSSA-CV-T1038-FST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

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P. DRULINER

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R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
F STREET

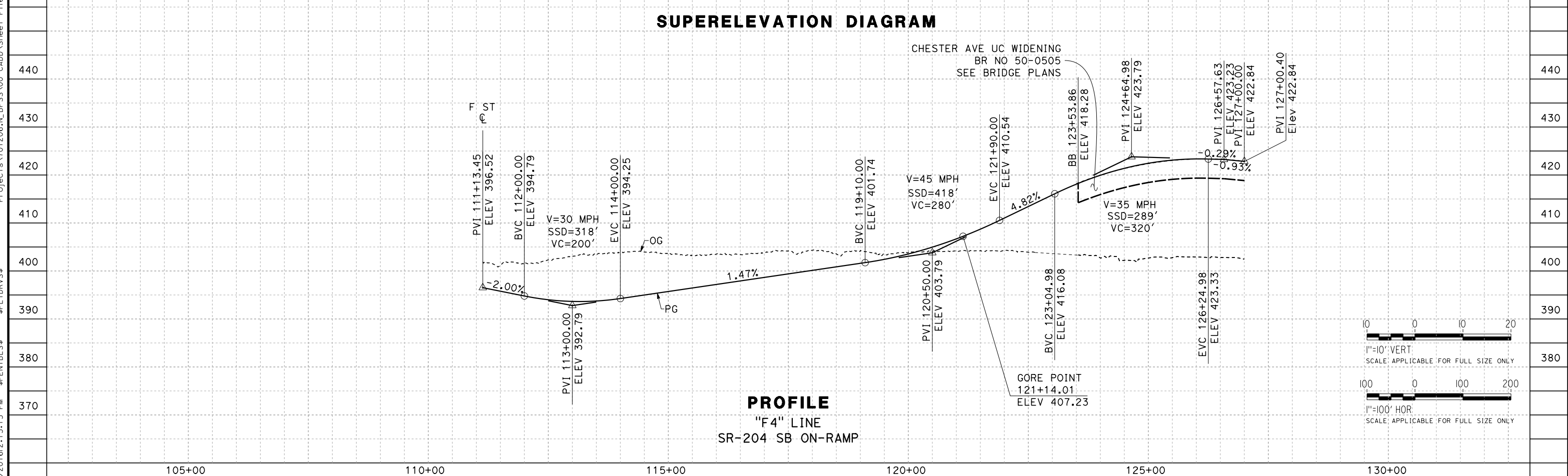
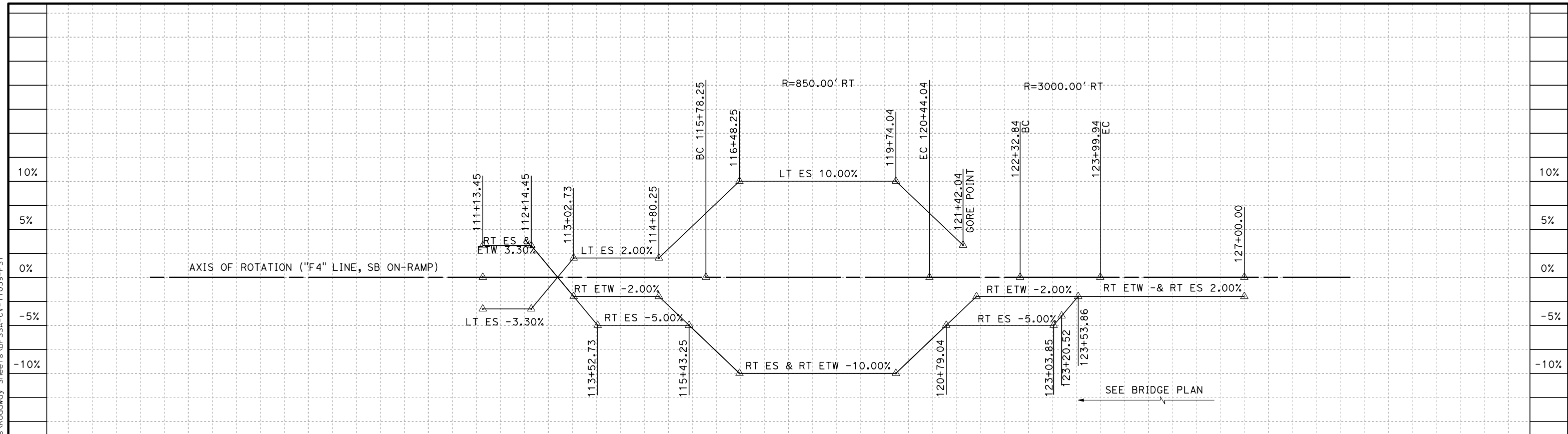
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1038

SCALE
AS SHOWN

SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
P. DRULINER

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION PROFILE
 F STREET

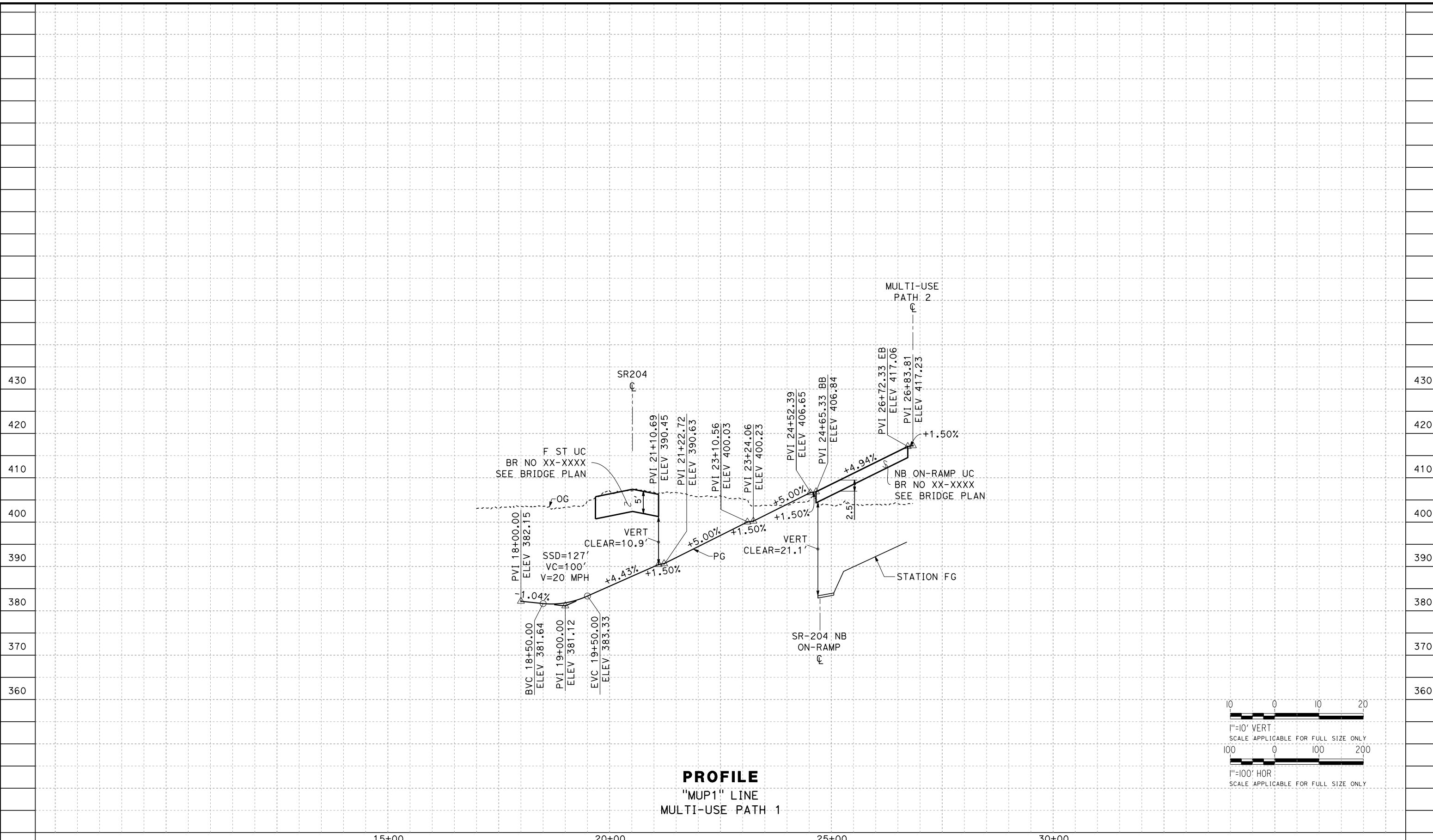
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1039

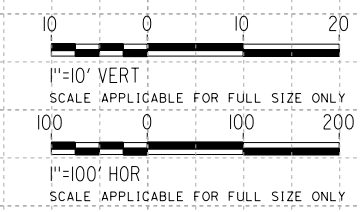
SCALE
AS SHOWN

SHEET NO.

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PROFILE
"MUP1" LINE
MULTI-USE PATH 1



15+00

20+00

25+00

30+00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
MULTI-USE PATH 1

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1040
SCALE
AS SHOWN
SHEET NO.

CURVE DATA

NO.	R	Δ	T	L
①	1000.00'	3°55'14"	34.23'	68.43'
③	127.00'	21°58'50"	24.66'	48.72'
④	127.00'	31°03'20"	35.29'	68.84'
⑤	82.00'	86°58'17"	77.78'	124.47'
⑥	82.00'	62°18'16"	49.57'	89.17'
⑦	127.00'	28°11'03"	31.88'	62.47'
⑧	127.00'	27°21'50"	30.92'	60.65'

LINE DATA

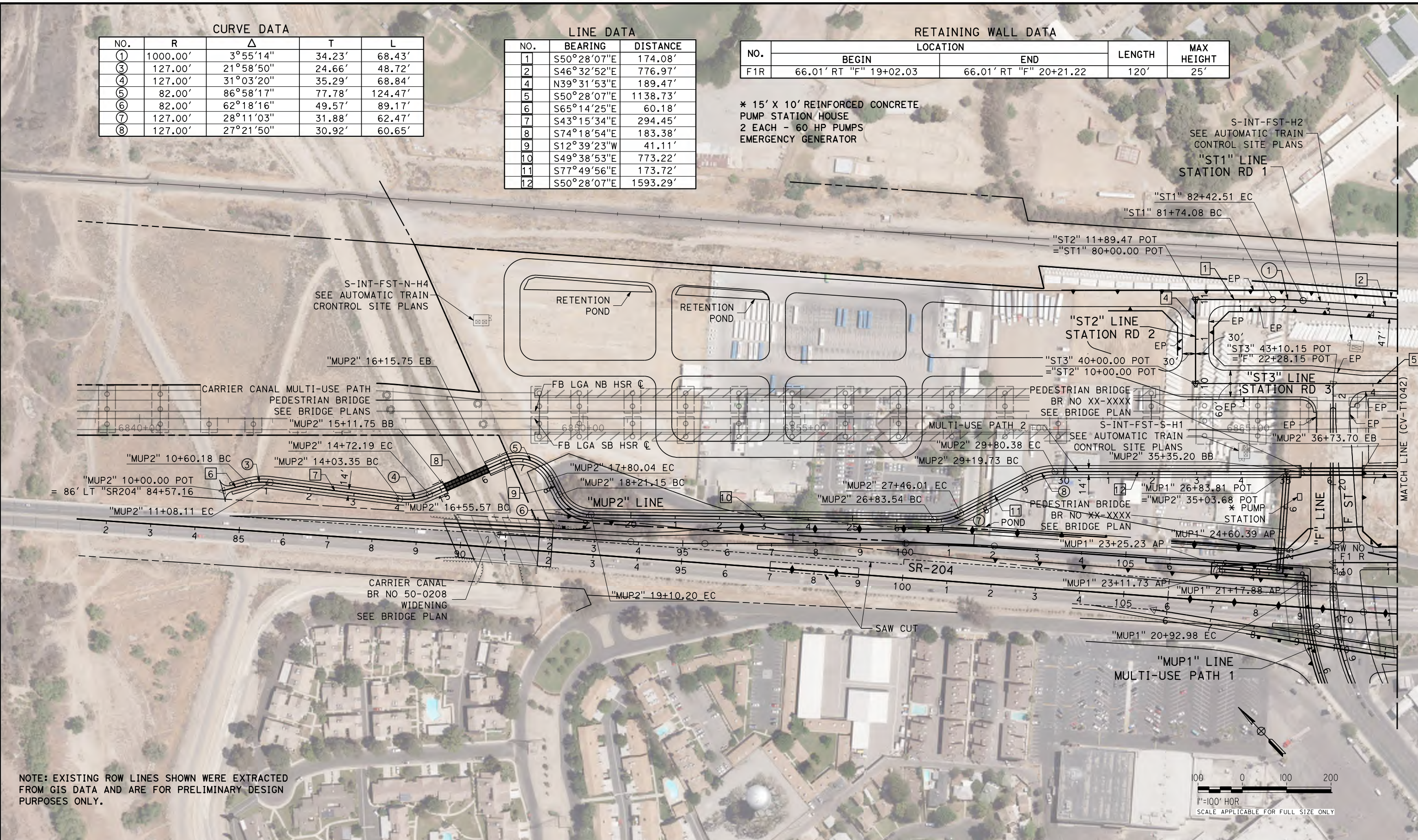
NO.	BEARING	DISTANCE
1	S50°28'07"E	174.08'
2	S46°32'52"E	776.97'
4	N39°31'53"E	189.47'
5	S50°28'07"E	1138.73'
6	S65°14'25"E	60.18'
7	S43°15'34"E	294.45'
8	S74°18'54"E	183.38'
9	S12°39'23"W	41.11'
10	S49°38'53"E	773.22'
11	S77°49'56"E	173.72'
12	S50°28'07"E	1593.29'

RETAINING WALL DATA

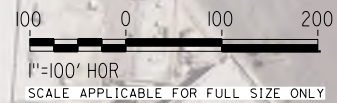
NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
F1R	66.01' RT "F" 19+02.03	66.01' RT "F" 20+21.22	120'	25'

* 15' X 10' REINFORCED CONCRETE
PUMP STATION HOUSE
2 EACH - 60 HP PUMPS
EMERGENCY GENERATOR

Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1041-FST



NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION LAYOUT
STATION ROADWAY

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1041
SCALE
AS SHOWN
SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

* 15' X 10' REINFORCED CONCRETE PUMP STATION HOUSE
2 EACH - 60 HP PUMPS
EMERGENCY GENERATOR

CURVE DATA				
NO.	R	Δ	T	L
2	130.00'	86°04'46"	121.40'	195.31'
9	127.00'	20°34'18"	23.05'	45.60'
10	10.00'	90°00'00"	10.00'	15.71'
11	372.50'	29°44'42"	98.92'	193.38'
12	332.50'	11°25'16"	33.25'	66.28'
13	273.50'	11°25'16"	27.35'	54.52'
14	3041.50'	01°46'02"	46.91'	93.81'
15	500.00'	01°25'26"	6.21'	12.43'
16	185.00'	72°37'23"	135.95'	234.49'
17	400.00'	42°06'29"	153.98'	293.97'

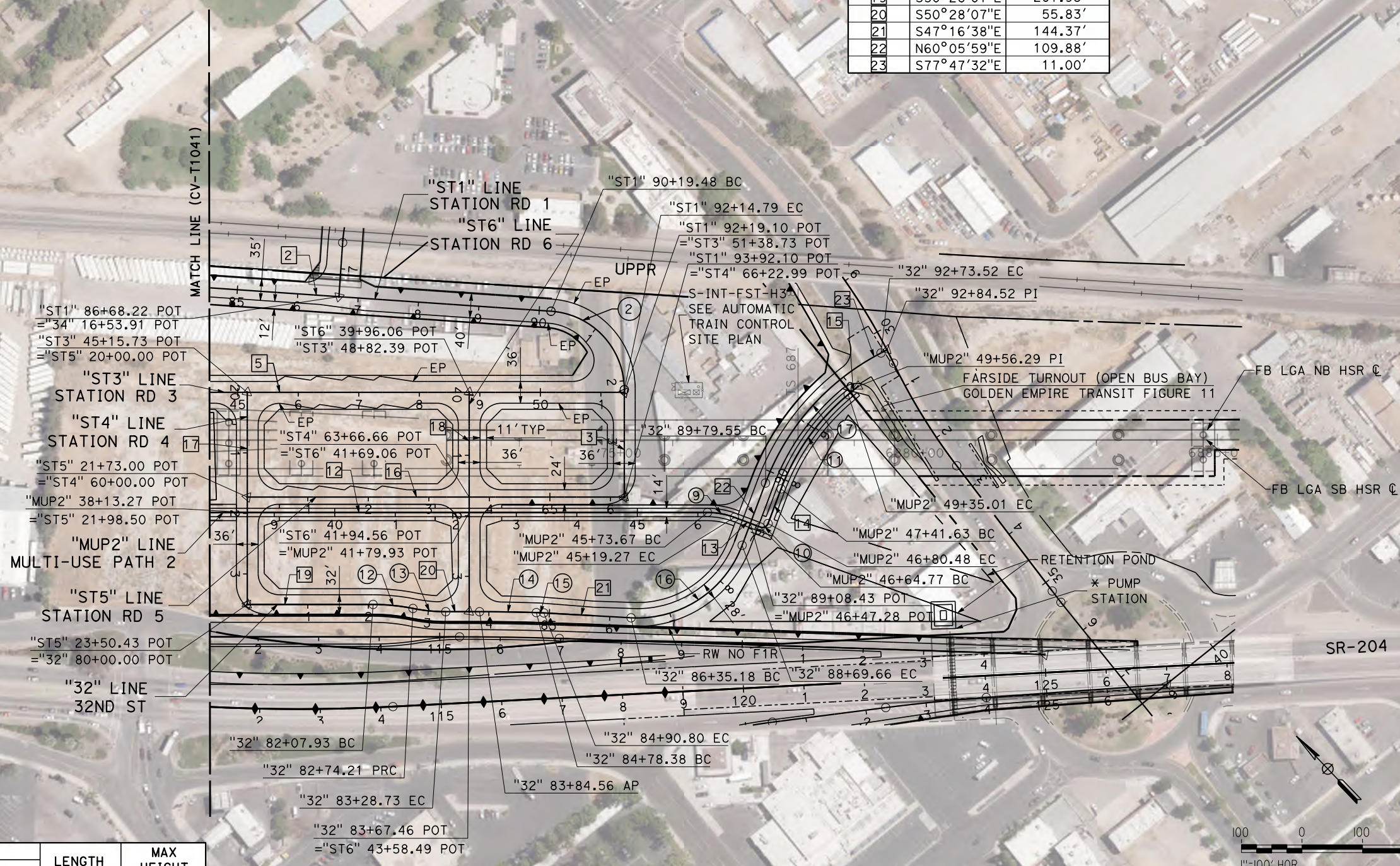
LINE DATA		
NO.	BEARING	DISTANCE
2	S46°32'52"E	776.97'
3	S39°31'53"W	177.31'
5	S50°28'07"E	1138.73'
12	S50°28'07"E	1593.29'
13	S29°53'49"E	45.51'
14	N60°06'11"E	61.14'
15	N89°50'54"E	21.28'
16	S50°28'07"E	622.99'
17	S39°31'53"W	350.43'
18	S39°31'53"W	362.43'
19	S50°28'07"E	207.93'
20	S50°28'07"E	55.83'
21	S47°16'38"E	144.37'
22	N60°05'59"E	109.88'
23	S77°47'32"E	11.00'

Projects\701206_N_BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-T1042-FST

\$PLTDRVS\$

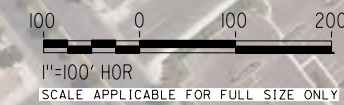
\$PENTBLS\$

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RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
F1R	66.01' RT "F" 19+02.03	66.01' RT "F" 20+21.22	120'	25'



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

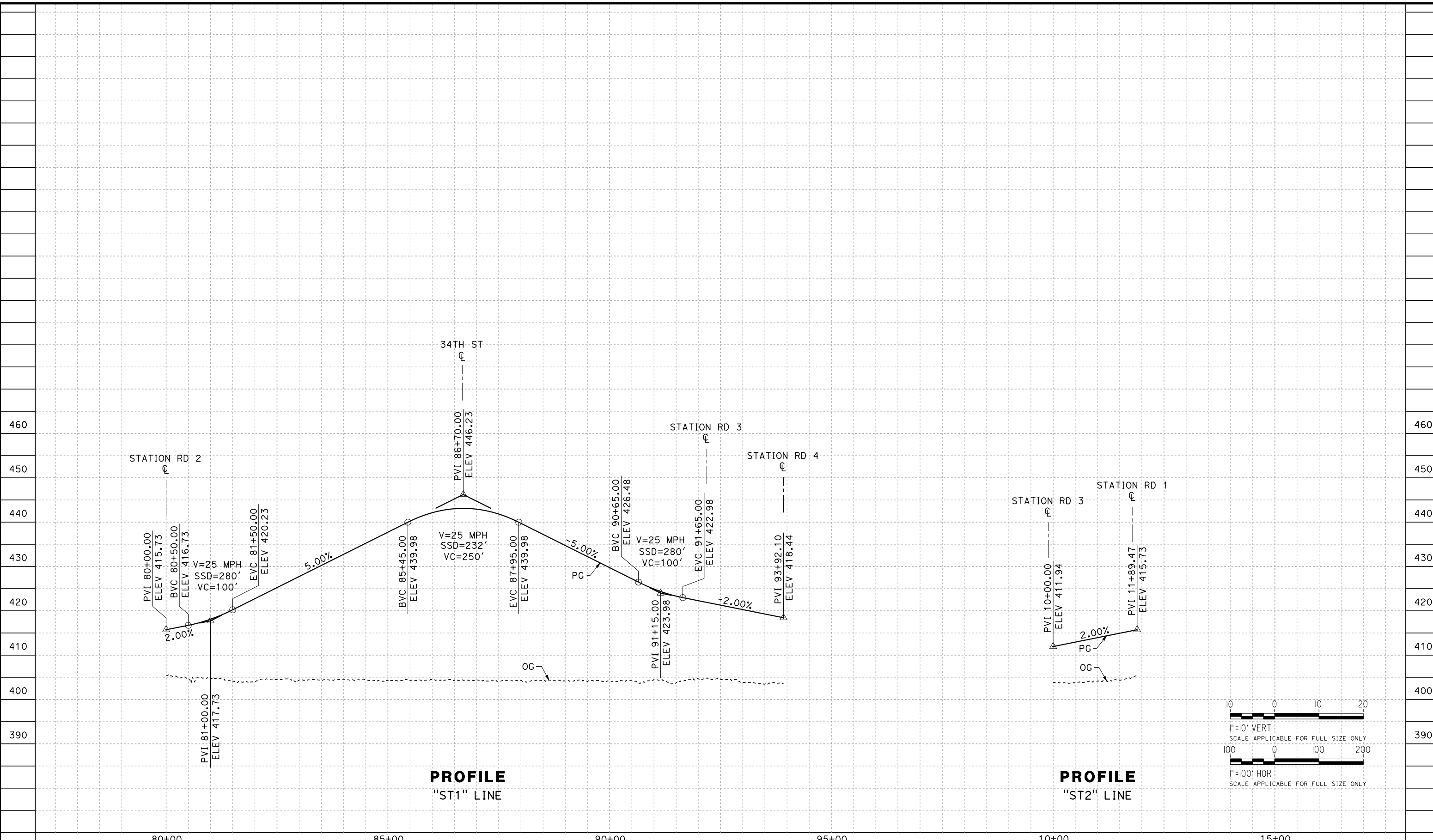
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION LAYOUT
STATION ROADWAY

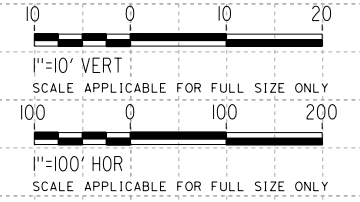
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1042
SCALE
AS SHOWN
SHEET NO.

TYL\rcor\1101028\2016\21:13:40 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N.BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1043-FST



PROFILE
"ST1" LINE

PROFILE
"ST2" LINE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

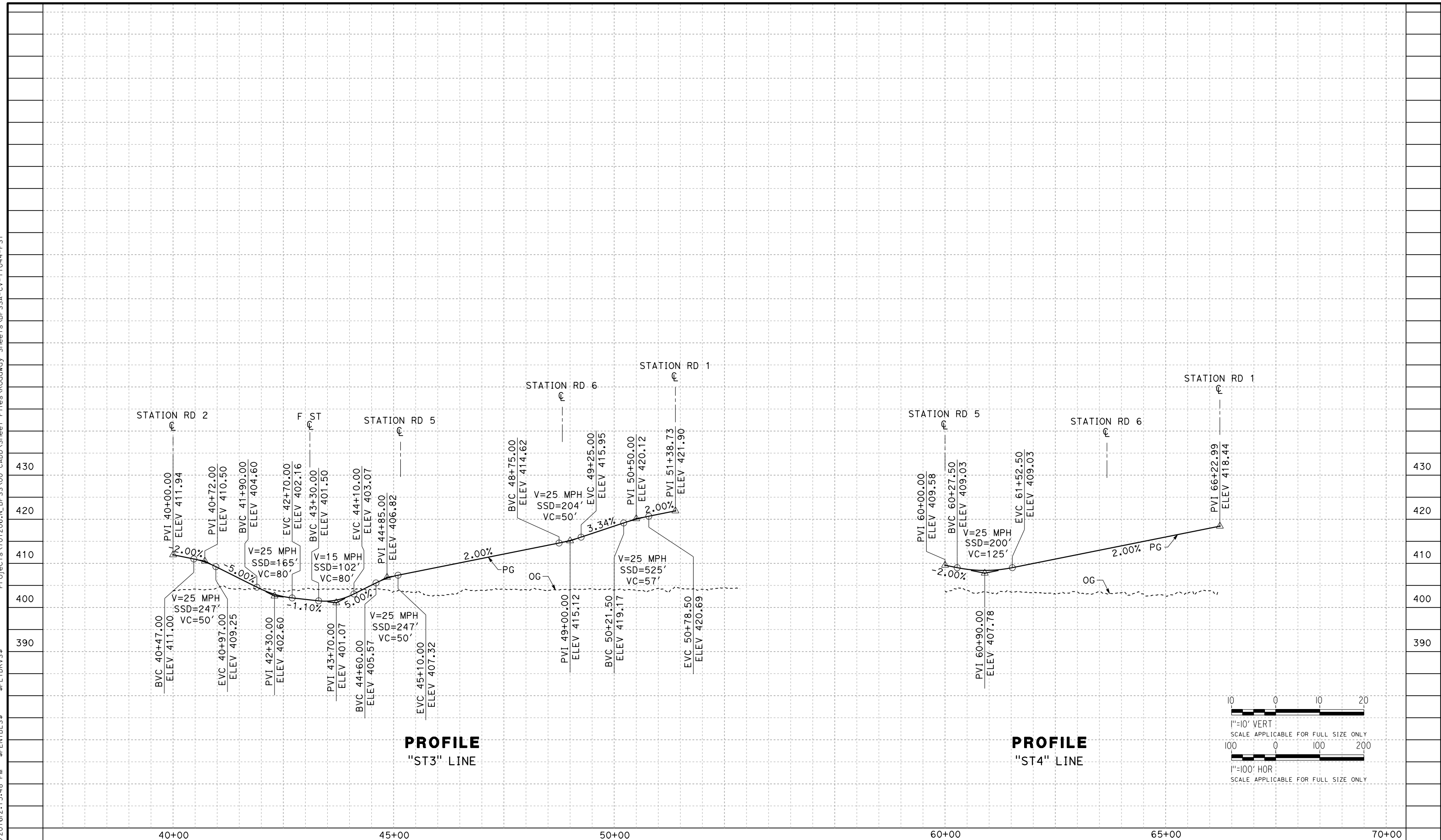
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
STATION ROADWAY

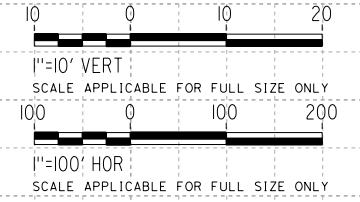
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1043
SCALE
AS SHOWN
SHEET NO.

Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1044-FST
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PROFILE
"ST3" LINE

PROFILE
"ST4" LINE

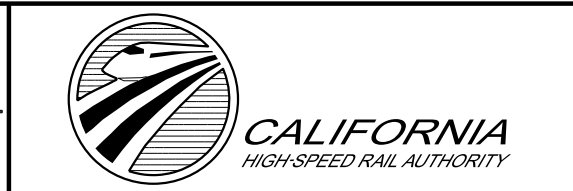


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. DRULINER
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION

TYLIN INTERNATIONAL



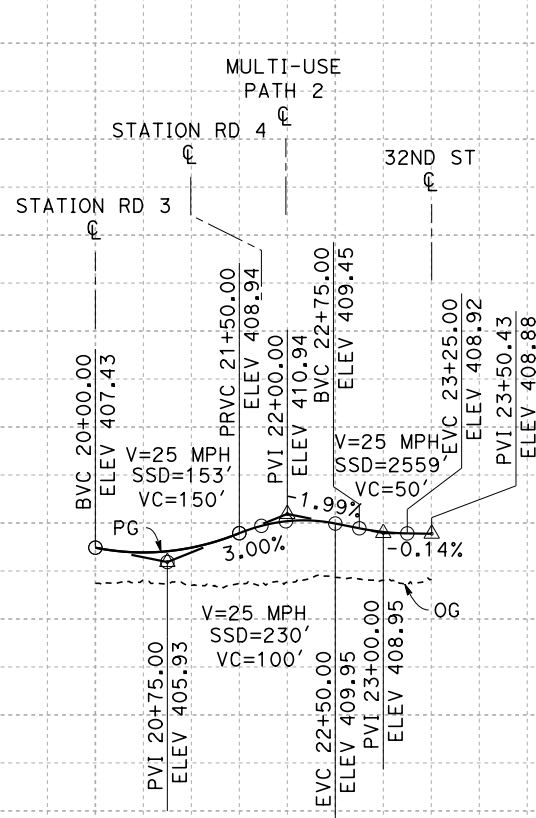
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION PROFILE
 STATION ROADWAY

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T1044
 SCALE
AS SHOWN
 SHEET NO.

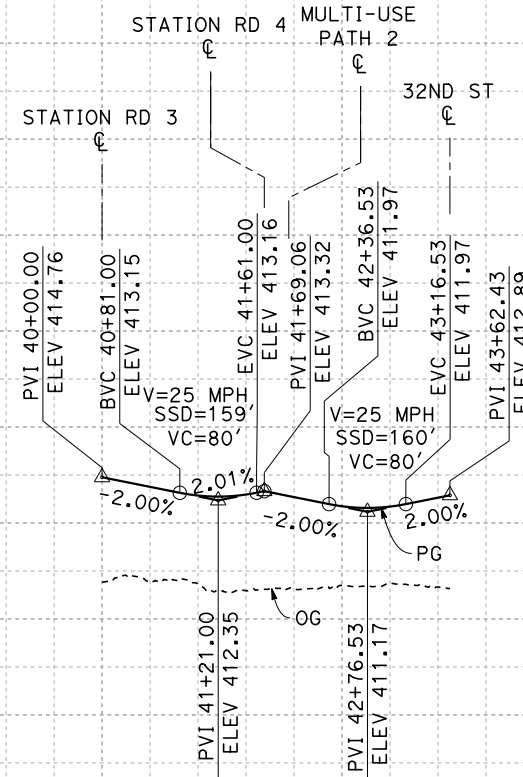
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430
420
410
400
390

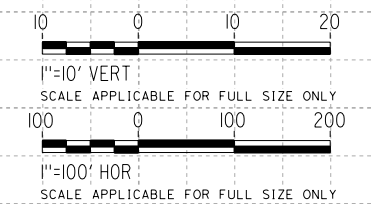
430
420
410
400
390



PROFILE "ST5" LINE



PROFILE "ST6" LINE



15+00 20+00 25+00 40+00 45+00

REV	DATE	BY	CHK	APP	DESCRIPTION

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H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**

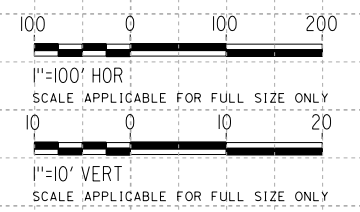
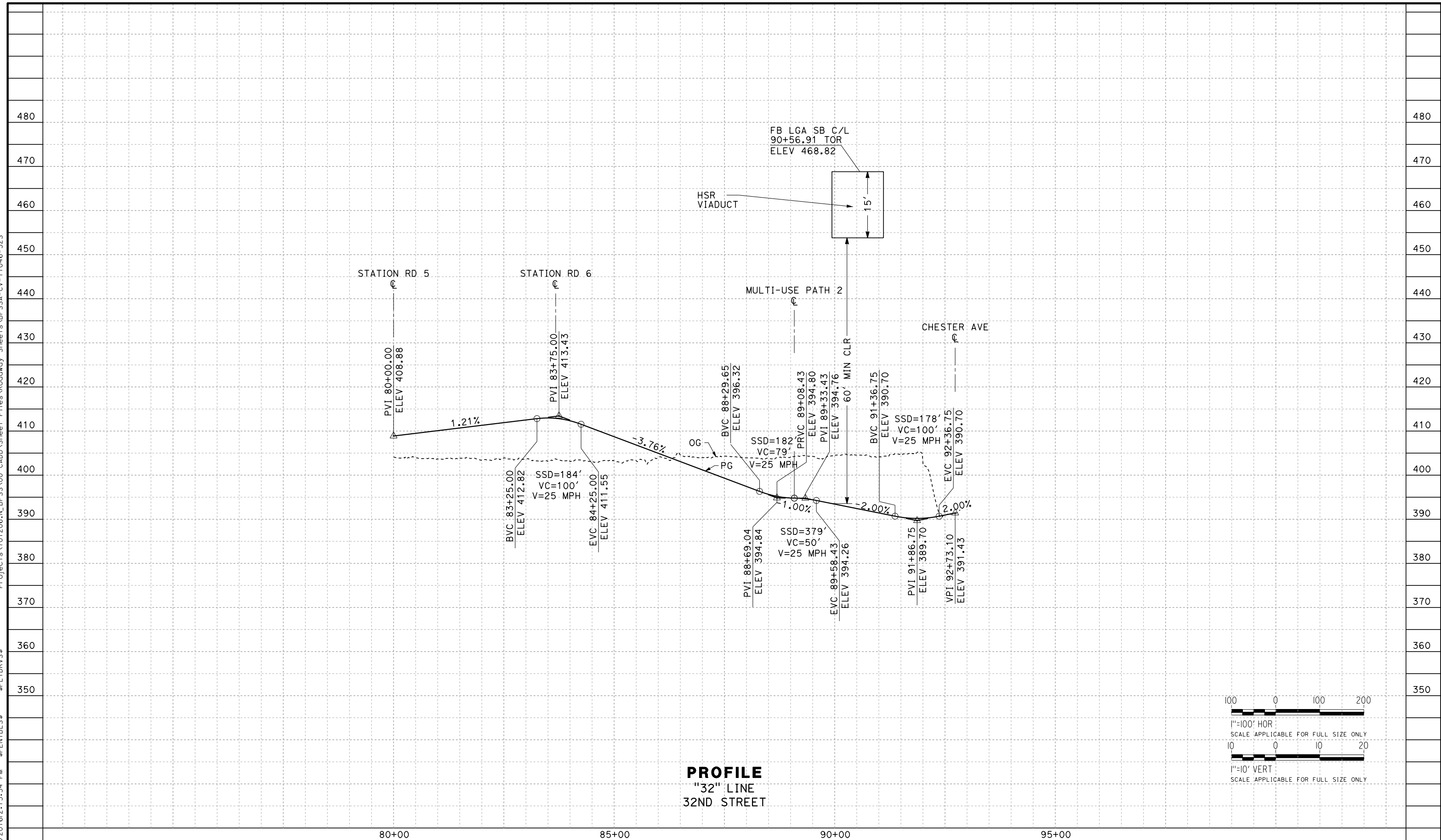
TYLIN INTERNATIONAL



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
STATION ROADWAY

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1045
SCALE
AS SHOWN
SHEET NO.

TYL\rcor\1101028\2016\213:54 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1046-32S



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
P. DRULINER

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
32ND STREET

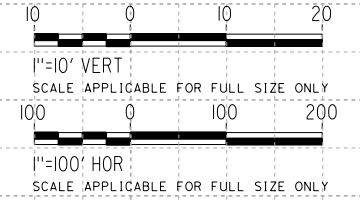
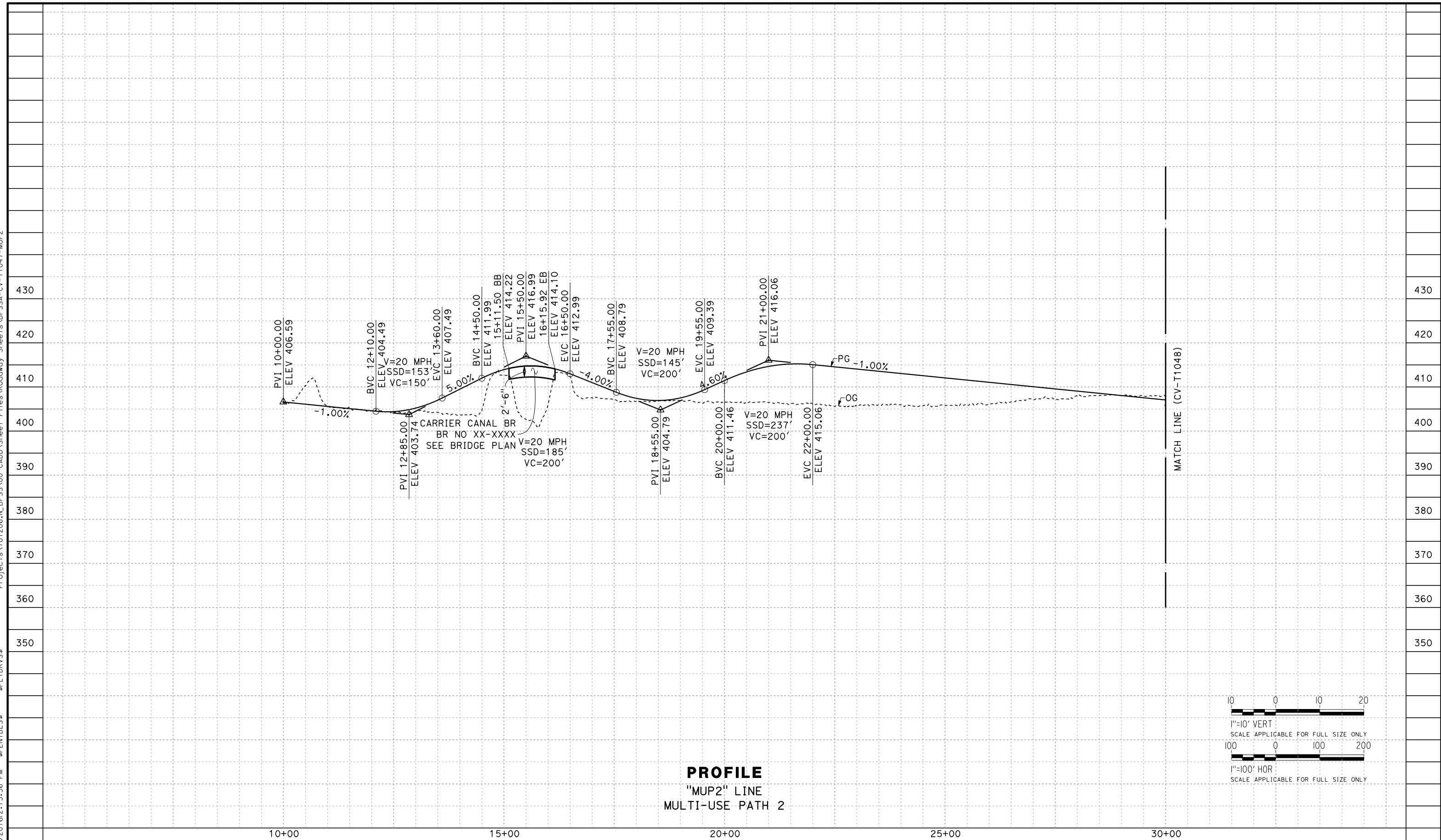
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1046

SCALE
AS SHOWN

SHEET NO.

TYL\rcorri\101028\2016\213:36 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1047-MUP2



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
P. DRULINER

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
STATION MUP

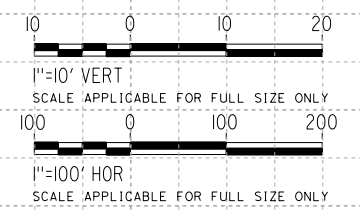
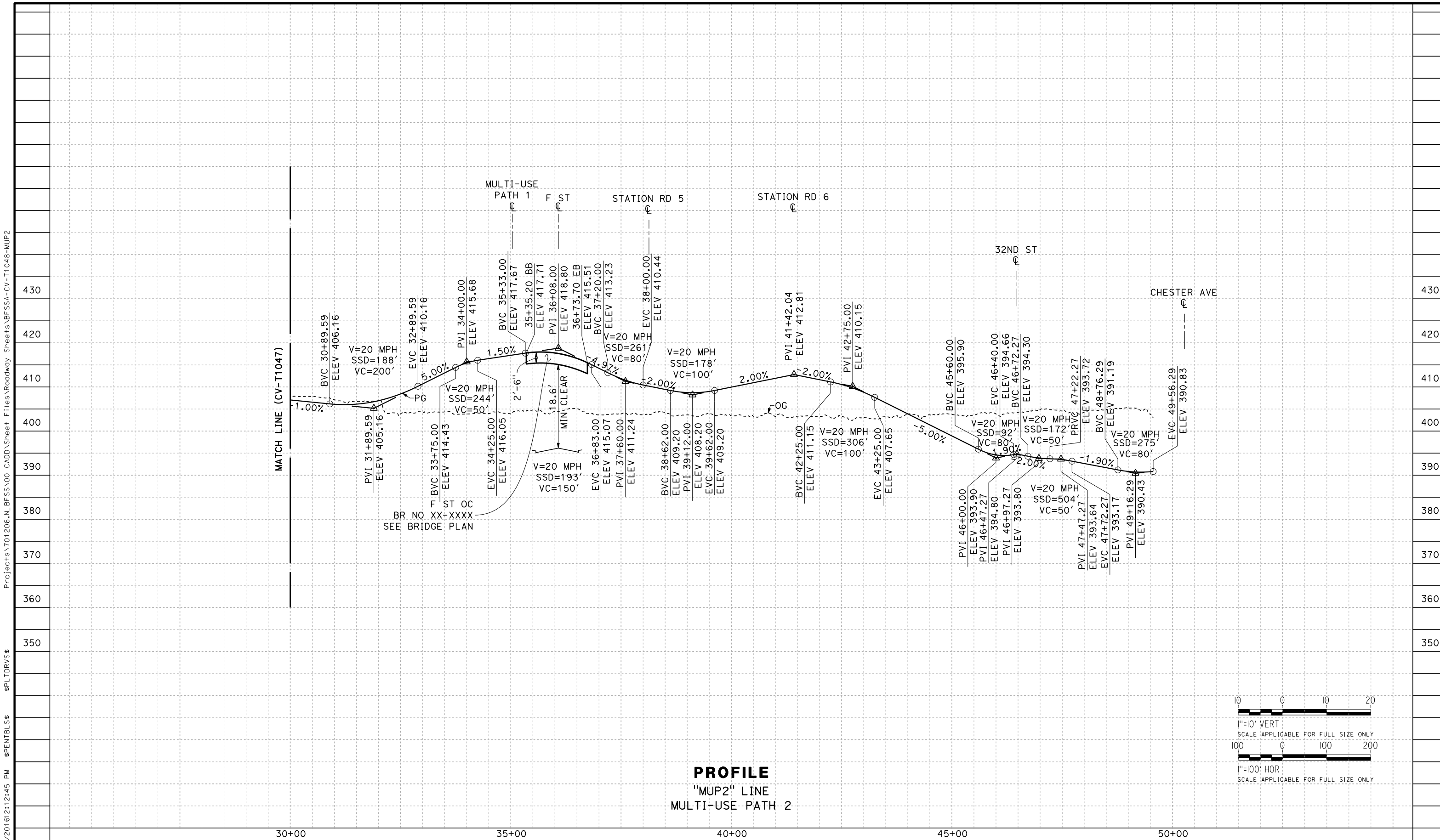
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1047

SCALE
AS SHOWN

SHEET NO.

TYL\rcor\1101028\2016\212:12:45 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1048-MUP2



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
P. DRULINER

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
STATION MUP

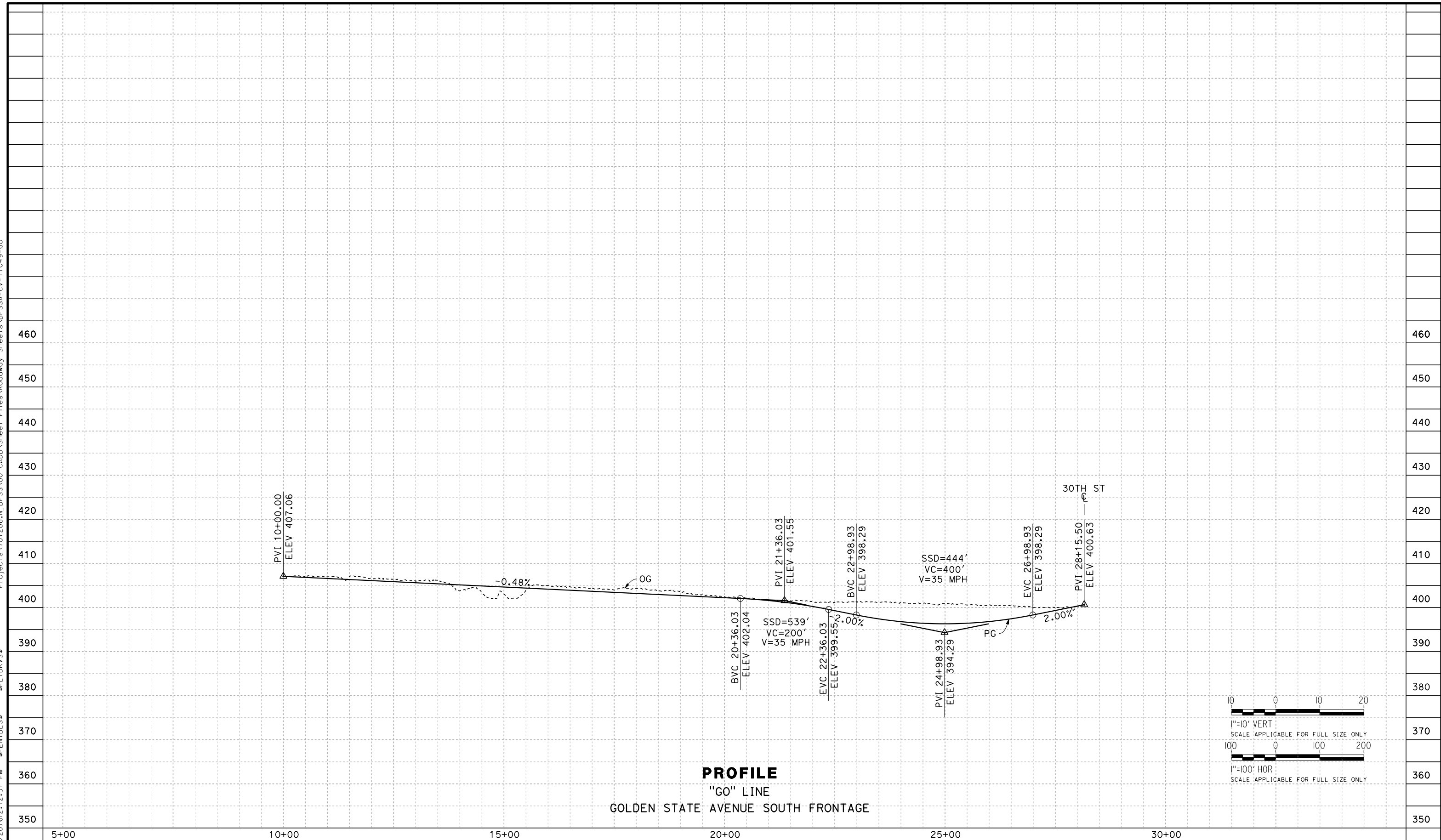
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1048

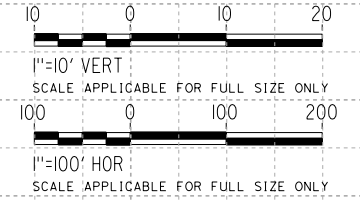
SCALE
AS SHOWN

SHEET NO.

TYL\rcor\110101028\2016\12\12:51 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Sheets\BFSSA-CV-T1049-GO



PROFILE
 "GO" LINE
 GOLDEN STATE AVENUE SOUTH FRONTAGE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
 DRAWN BY
P. DRULINER
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION PROFILE
 GOLDEN STATE AVENUE SOUTH FRONTAGE

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T1049
 SCALE
AS SHOWN
 SHEET NO.

NOTE: EXISTING ROW LINES SHOWN WERE EXTRACTED FROM GIS DATA AND ARE FOR PRELIMINARY DESIGN PURPOSES ONLY.

RETAINING WALL DATA

NO.	LOCATION		LENGTH	MAX HEIGHT
	BEGIN	END		
340	42.70' LT "34" 17+88.89	55.37' RT "CHE" 20+26.71	660'	37.8'
341	25.50' RT "34" 18+14.63	43.50' RT "34" 22+19.25	393'	37.5'
342	171.65' RT "CHE" 23+44.10	77.59' RT "CHE" 24+33.18	182'	8.5'

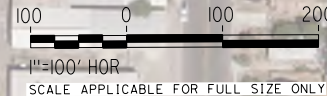
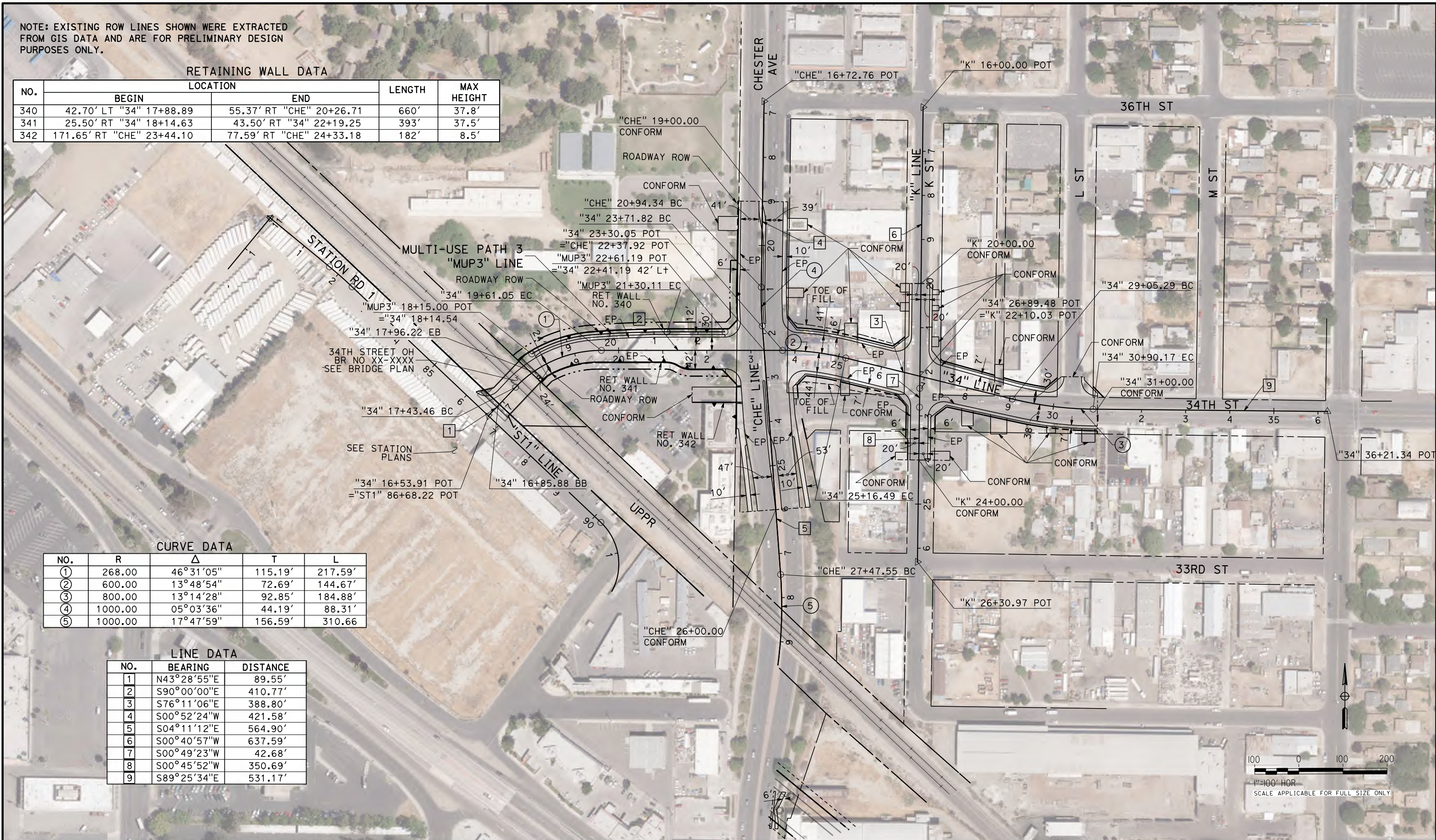
CURVE DATA

NO.	R	Δ	T	L
①	268.00	46°31'05"	115.19'	217.59'
②	600.00	13°48'54"	72.69'	144.67'
③	800.00	13°14'28"	92.85'	184.88'
④	1000.00	05°03'36"	44.19'	88.31'
⑤	1000.00	17°47'59"	156.59'	310.66'

LINE DATA

NO.	BEARING	DISTANCE
1	N43°28'55"E	89.55'
2	S90°00'00"E	410.77'
3	S76°11'06"E	388.80'
4	S00°52'24"W	421.58'
5	S04°11'12"E	564.90'
6	S00°40'57"W	637.59'
7	S00°49'23"W	42.68'
8	S00°45'52"W	350.69'
9	S89°25'34"E	531.17'

Projects\701206.N.BFSS\00_CADD\Sheet Files\Roadway Sheets\BFSSA-CV-T1050-345



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK
DRAWN BY
P. DRULINER
CHECKED BY
R. GONZALEZ
IN CHARGE
S. OLLO
DATE
10/28/2016

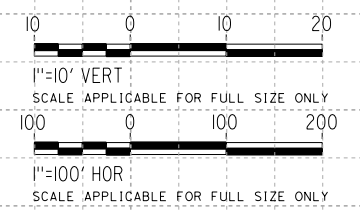
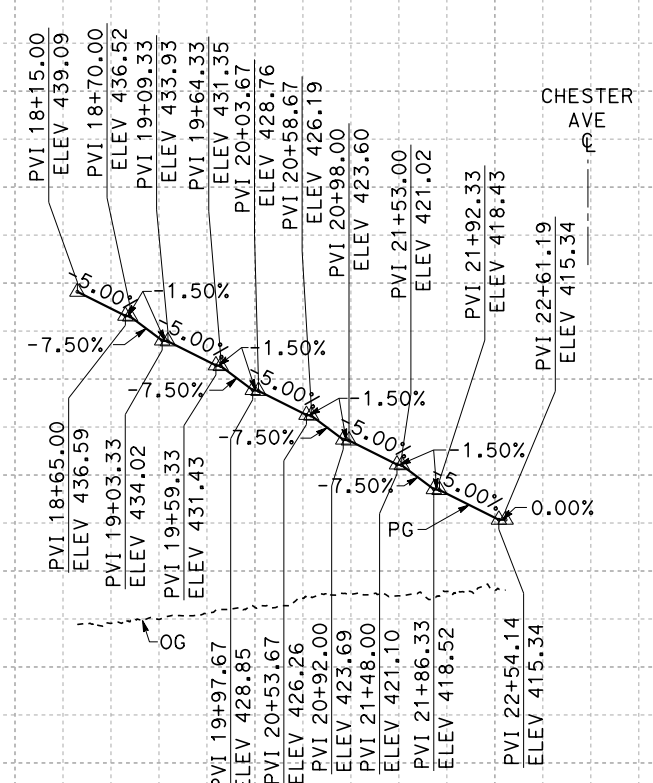
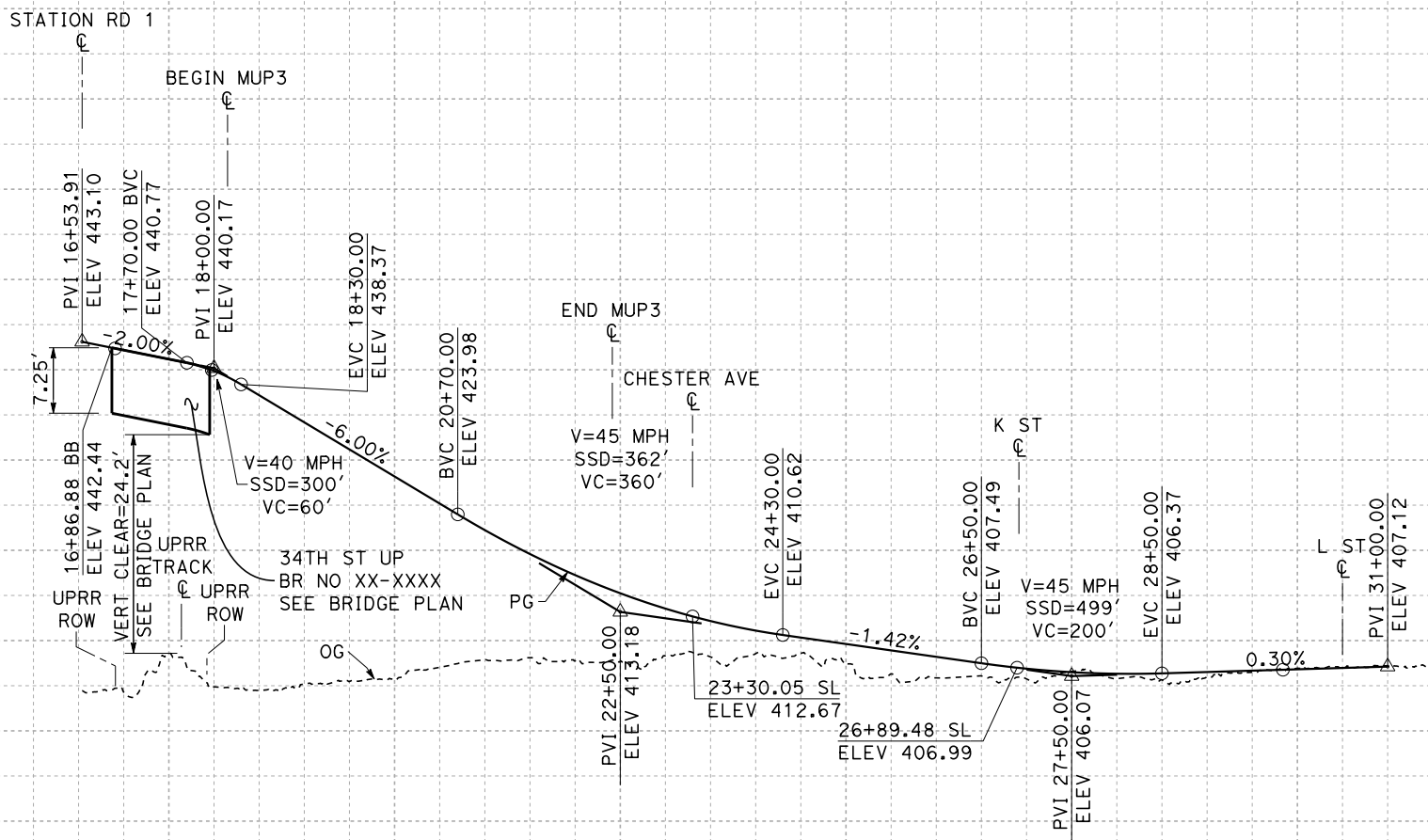
**RECORD SET
PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION LAYOUT
34TH STREET

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T1050
SCALE
AS SHOWN
SHEET NO.

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**PROFILE "34" LINE
34TH STREET**

**PROFILE "MUP3" LINE
MULTI-USE PATH 3**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
P. DRULINER

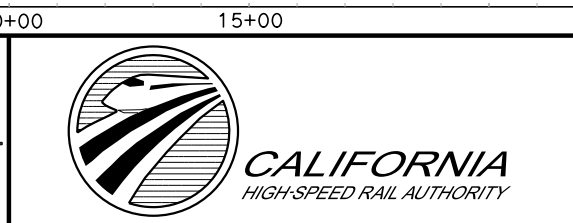
CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

**RECORD SET
PEPD DESIGN
SUBMISSION**

TYLIN INTERNATIONAL



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

LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
34TH STREET

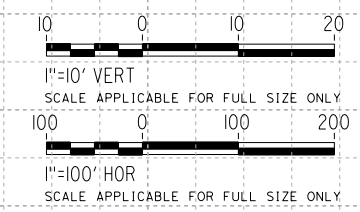
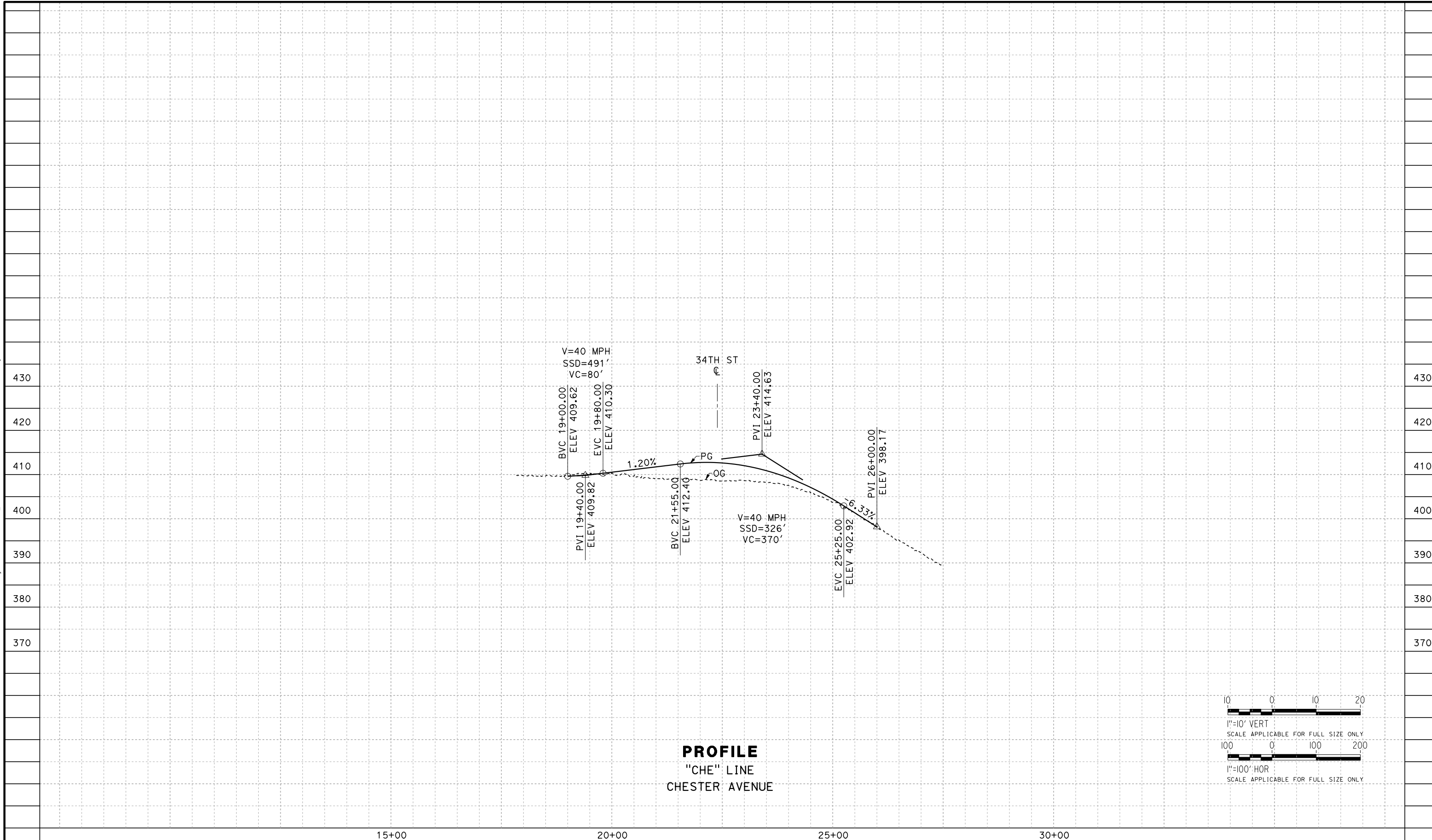
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1051

SCALE
AS SHOWN

SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
H. PARK

DRAWN BY
P. DRULINER

CHECKED BY
R. GONZALEZ

IN CHARGE
S. OLLO

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
GRADE SEPARATION PROFILE
CHESTER AVENUE

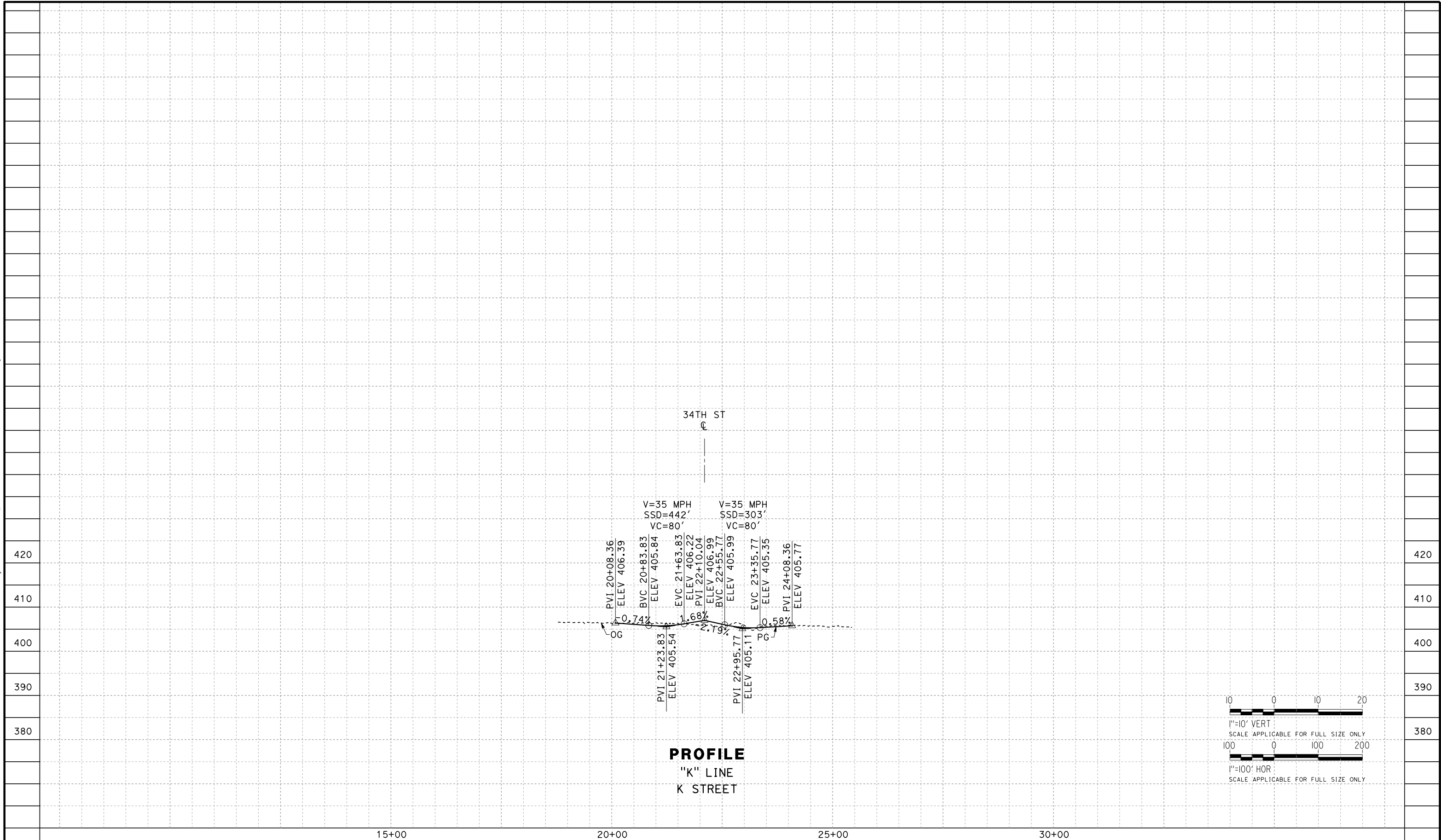
CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T1052

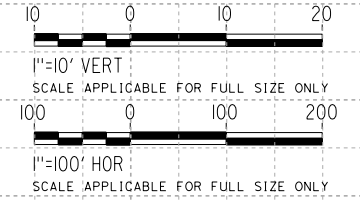
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SHEET NO.

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PROFILE
"K" LINE
K STREET



REV	DATE	BY	CHK	APP	DESCRIPTION

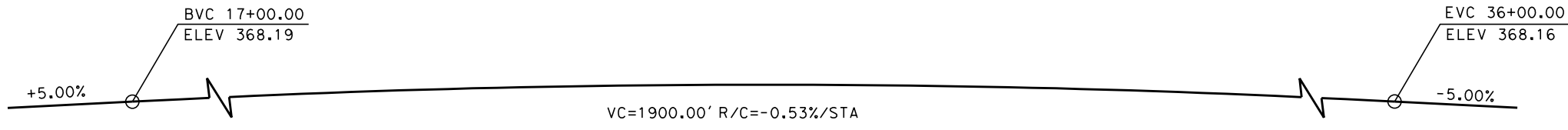
DESIGNED BY
H. PARK
 DRAWN BY
P. DRULINER
 CHECKED BY
R. GONZALEZ
 IN CHARGE
S. OLLO
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



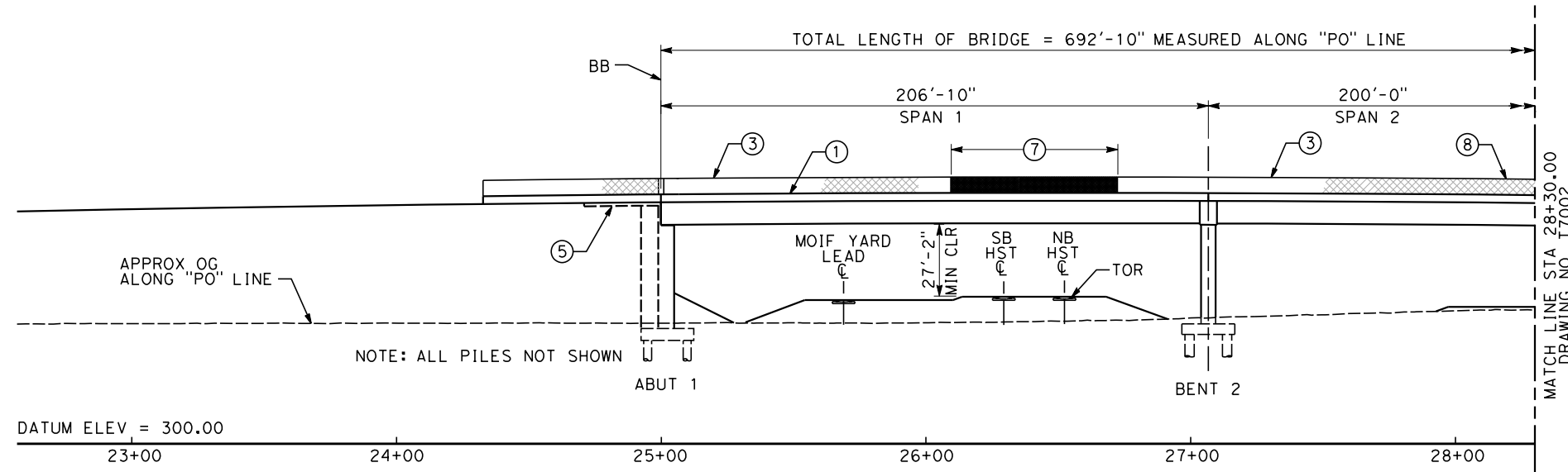
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 GRADE SEPARATION PROFILE
 K STREET

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T1053
 SCALE
AS SHOWN
 SHEET NO.

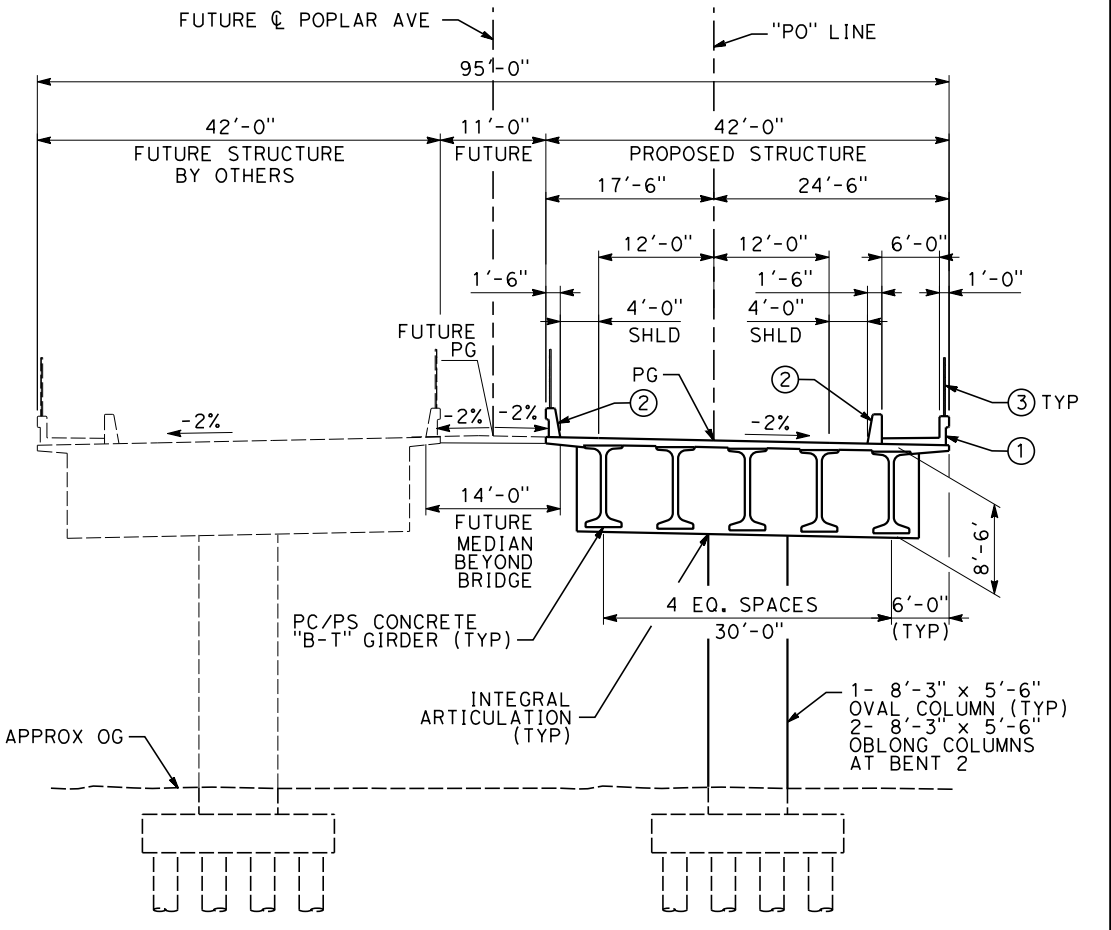


PROFILE GRADE
NO SCALE

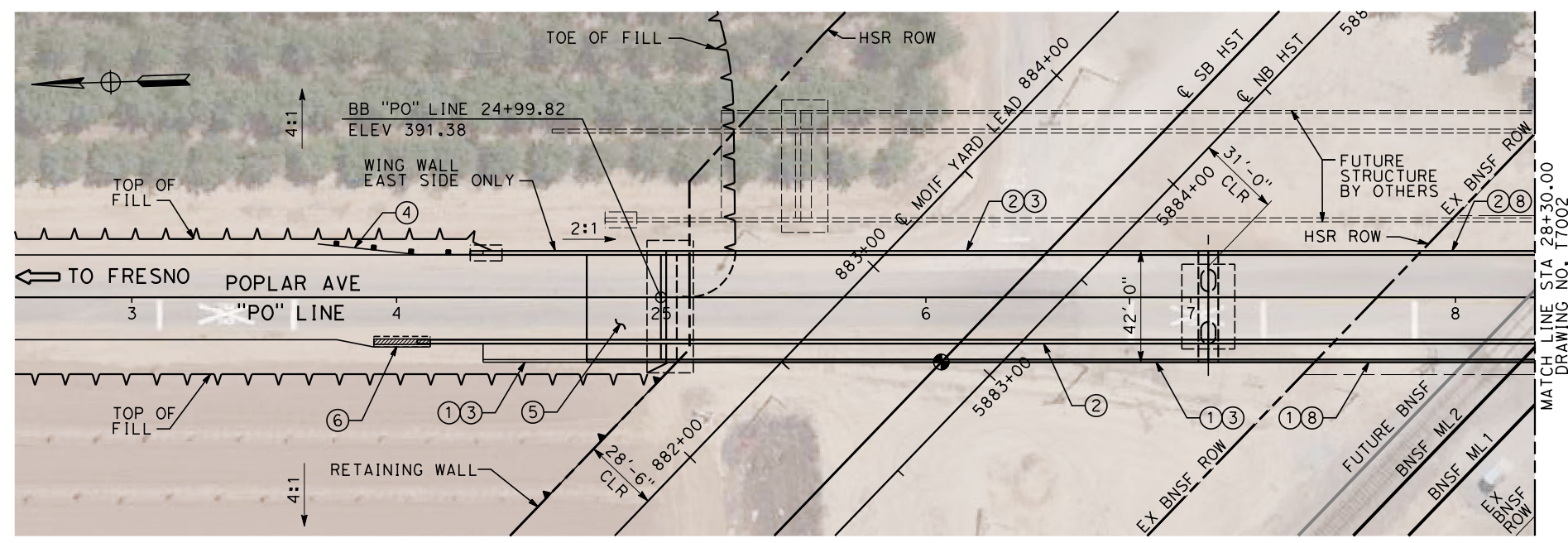
- NOTES**
- ① CALTRANS CONCRETE BARRIER TYPE 26 (MOD)
 - ② CALTRANS CONCRETE BARRIER TYPE 736 (MOD)
 - ③ CALTRANS CHAIN LINK RAILING TYPE 7
 - ④ MGS, SEE ROADWAY PLANS
 - ⑤ CALTRANS STRUCTURE APPROACH TYPE N (30S)
 - ⑥ CRASH CUSHION, SEE ROADWAY PLANS
 - ⑦ AR FENCE WITH SOLID PLATE OVER HST
 - ⑧ CALTRANS CHAIN LINK RAILING TYPE 7 (MOD) MODIFIED FOR A 10'-0" MINIMUM COMBINED HEIGHT OF FENCE ON BARRIER OVER BNSF ROW



PARTIAL ELEVATION
SCALE: 1"=30'



TYPICAL SECTION
SCALE: 1"=10'



PARTIAL PLAN
SCALE: 1"=30'

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. GOLJI
DRAWN BY
P. ZUCCHI
CHECKED BY
K. PIRBAZARI
IN CHARGE
K. PIRBAZARI
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION

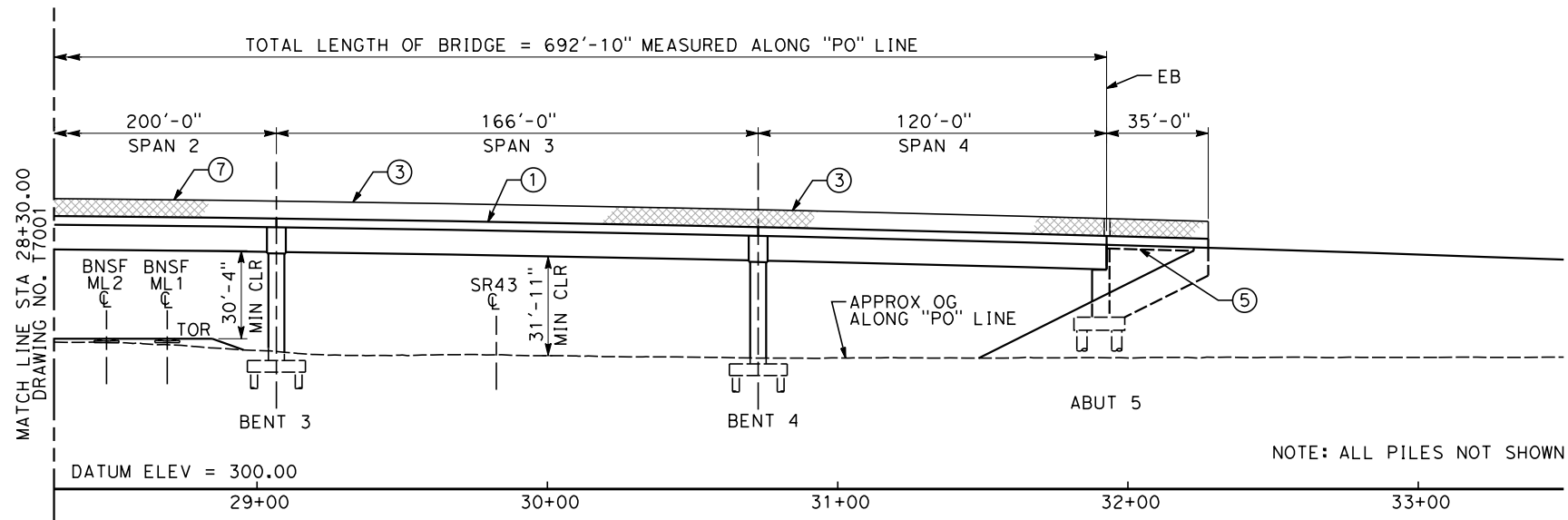


CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT GENERAL PLAN NO. 1
POPLAR AVENUE OVERHEAD

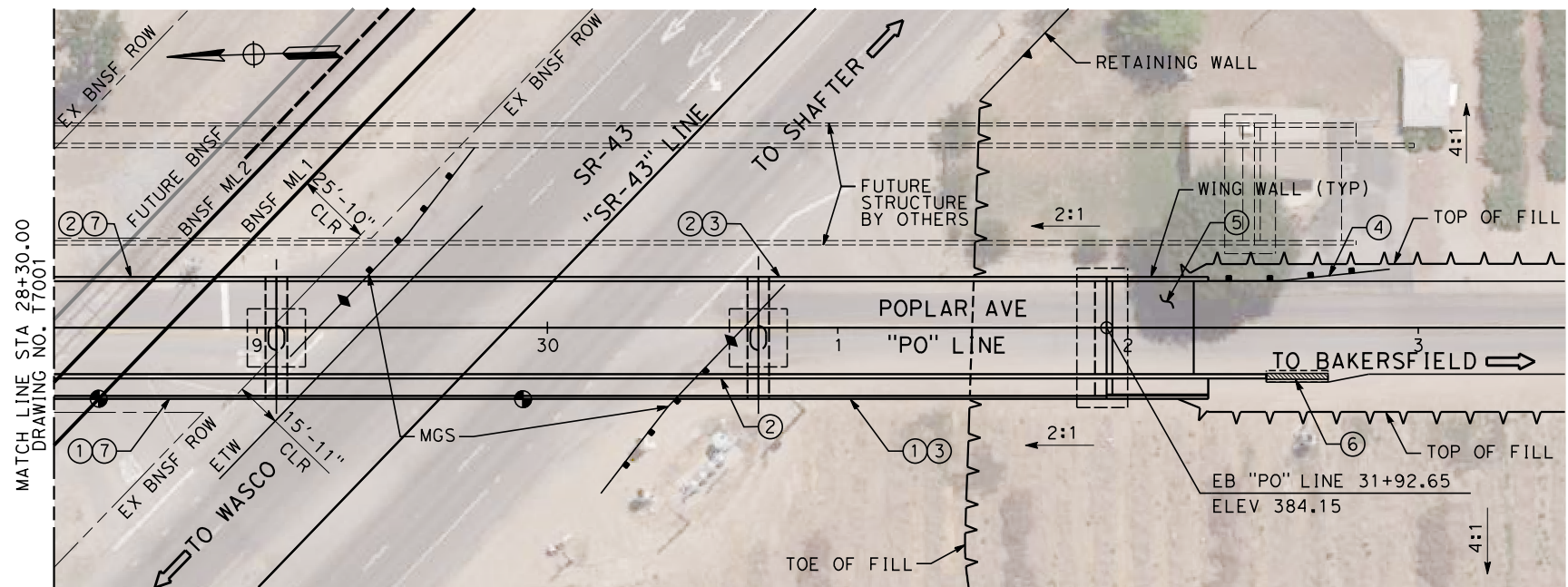
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T7001
SCALE
AS SHOWN
SHEET NO.



PROFILE GRADE
NO SCALE



PARTIAL ELEVATION
SCALE: 1"=30'



PARTIAL PLAN
SCALE: 1"=30'

NOTES

- ① CALTRANS CONCRETE BARRIER TYPE 26 (MOD)
- ② CALTRANS CONCRETE BARRIER TYPE 736 (MOD)
- ③ CALTRANS CHAIN LINK RAILING TYPE 7
- ④ MGS, SEE ROADWAY PLANS
- ⑤ CALTRANS STRUCTURE APPROACH TYPE N (30S)
- ⑥ CRASH CUSHION, SEE ROADWAY PLANS
- ⑦ CALTRANS CHAIN LINK RAILING TYPE 7 (MOD) MODIFIED FOR A 10'-0" MINIMUM COMBINED HEIGHT OF FENCE ON BARRIER OVER BNSF ROW

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. GOLJI

DRAWN BY
P. ZUCCHI

CHECKED BY
K. PIRBAZARI

IN CHARGE
K. PIRBAZARI

DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



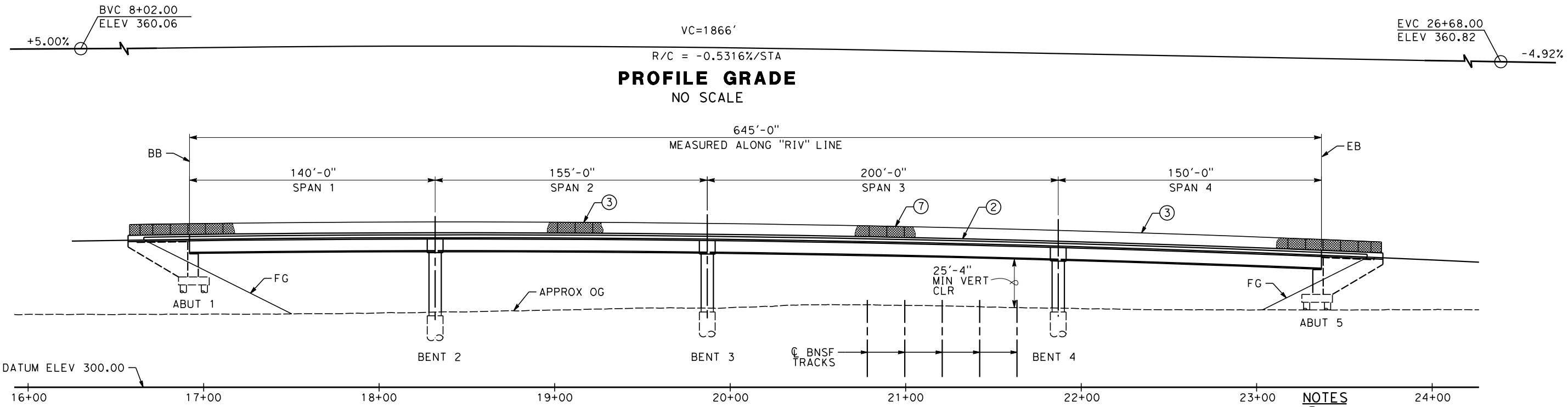
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT GENERAL PLAN NO. 2
POPLAR AVENUE OVERHEAD

CONTRACT NO.
HSR13-44

DRAWING NO.
CV-T7002

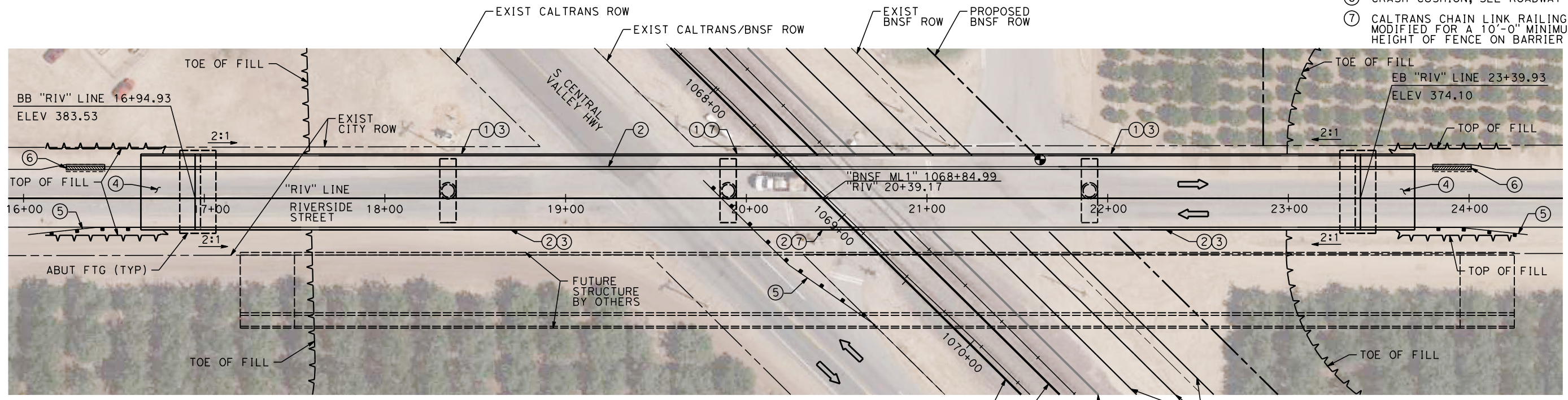
SCALE
AS SHOWN

SHEET NO.

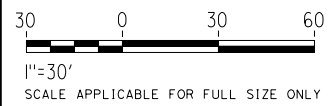


ELEVATION
SCALE: 1"=30'

- NOTES**
- ① CALTRANS CONCRETE BARRIER TYPE 26 (MOD)
 - ② CALTRANS CONCRETE BARRIER TYPE 736 (MOD)
 - ③ CALTRANS CHAIN LINK RAILING TYPE 7
 - ④ CALTRANS STRUCTURE APPROACH TYPE N (30S)
 - ⑤ MGS, SEE ROADWAY PLANS
 - ⑥ CRASH CUSHION, SEE ROADWAY PLANS
 - ⑦ CALTRANS CHAIN LINK RAILING TYPE 7 (MOD) MODIFIED FOR A 10'-0" MINIMUM COMBINED HEIGHT OF FENCE ON BARRIER OVER BNSF ROW



PLAN
SCALE: 1"=30'



10/27/2016 1:17:58 PM CAHSR_PDF_half_black.plt: \\pwworking\tylin\p01\sdulor\dms27049\BFS5A-CV-T7003.dgn
 SDulor CAHSR-rb1

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. KIRILOV
 DRAWN BY
A. TOLEDO
 CHECKED BY
S. DULOR
 IN CHARGE
S. DULOR
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK STRUCTURES / ROADWAY
 DRAFT GENERAL PLAN
 RIVERSIDE STREET OVERHEAD

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T7003
 SCALE
AS SHOWN
 SHEET NO.

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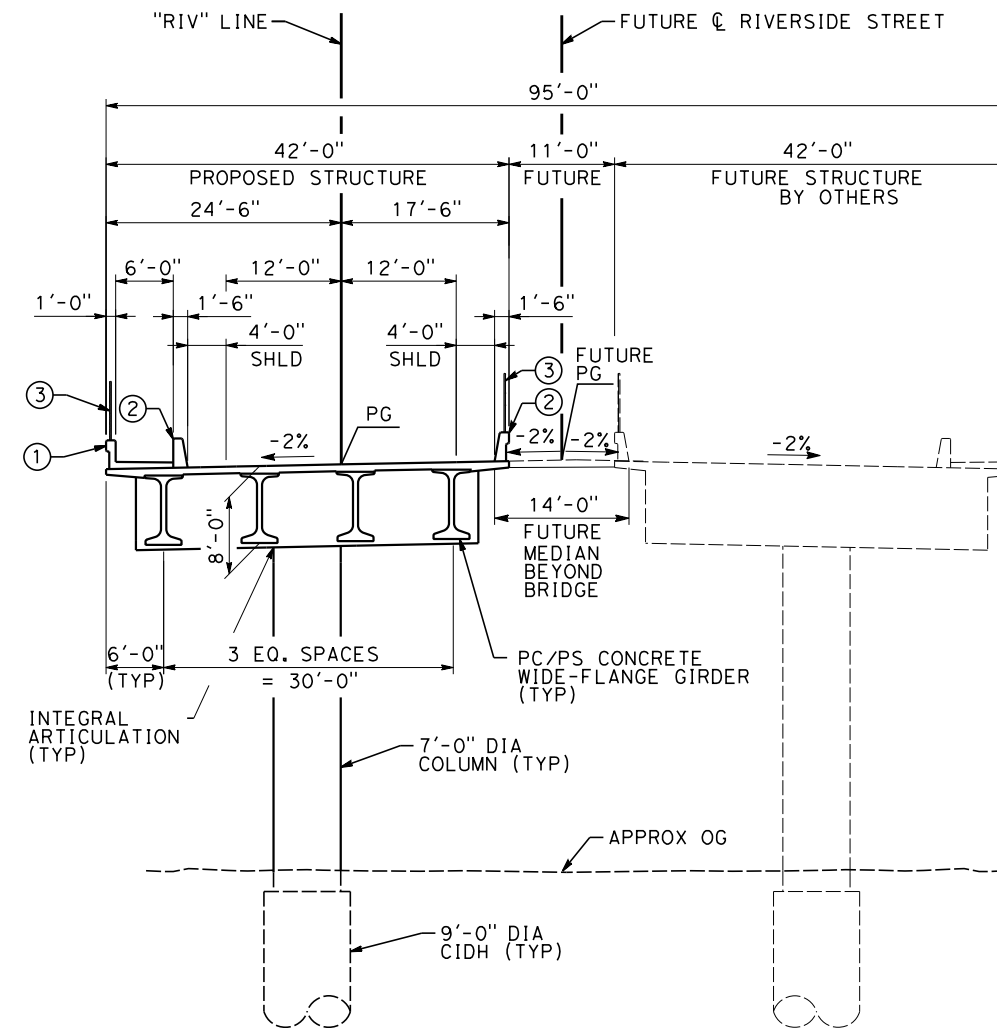
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Sduior

NOTES

- ① CALTRANS CONCRETE BARRIER TYPE 26 (MOD)
- ② CALTRANS CONCRETE BARRIER TYPE 736 (MOD)
- ③ CALTRANS CHAIN LINK RAILING TYPE 7



TYPICAL SECTION

SCALE: 1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. KIRILOV
DRAWN BY
A. TOLEDO
CHECKED BY
S. DULOR
IN CHARGE
S. DULOR
DATE
10/28/2016

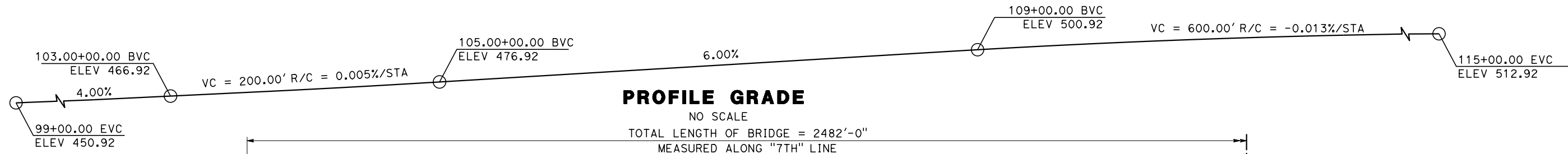
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PEPD DESIGN
SUBMISSION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT TYPICAL SECTION
RIVERSIDE STREET OVERHEAD

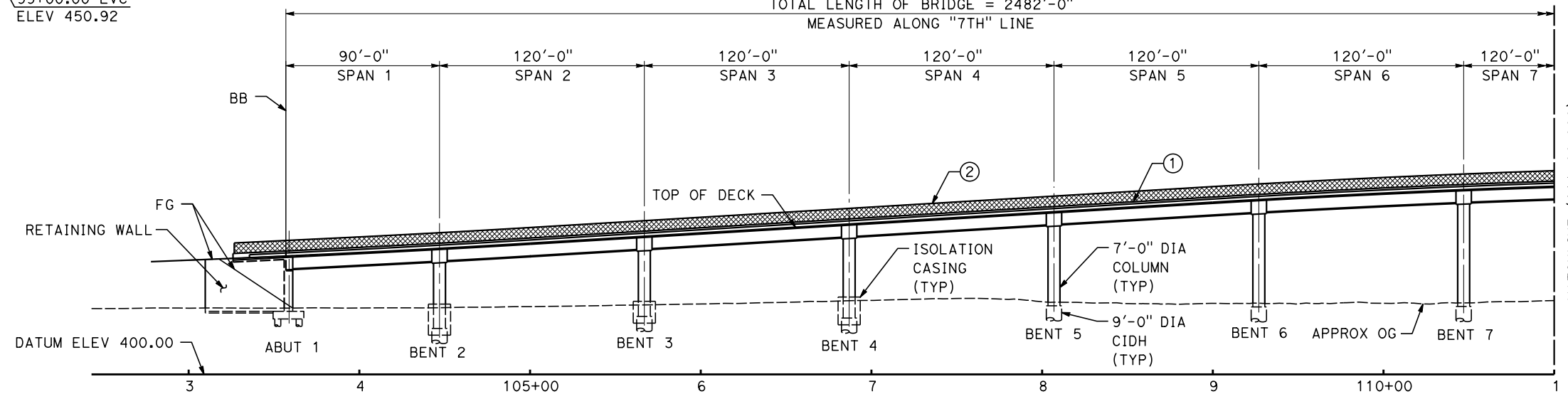
CONTRACT NO.
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DRAWING NO.
CV-T7004
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AS SHOWN
SHEET NO.

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PROFILE GRADE

NO SCALE
TOTAL LENGTH OF BRIDGE = 2482'-0"
MEASURED ALONG "7TH" LINE



ELEVATION

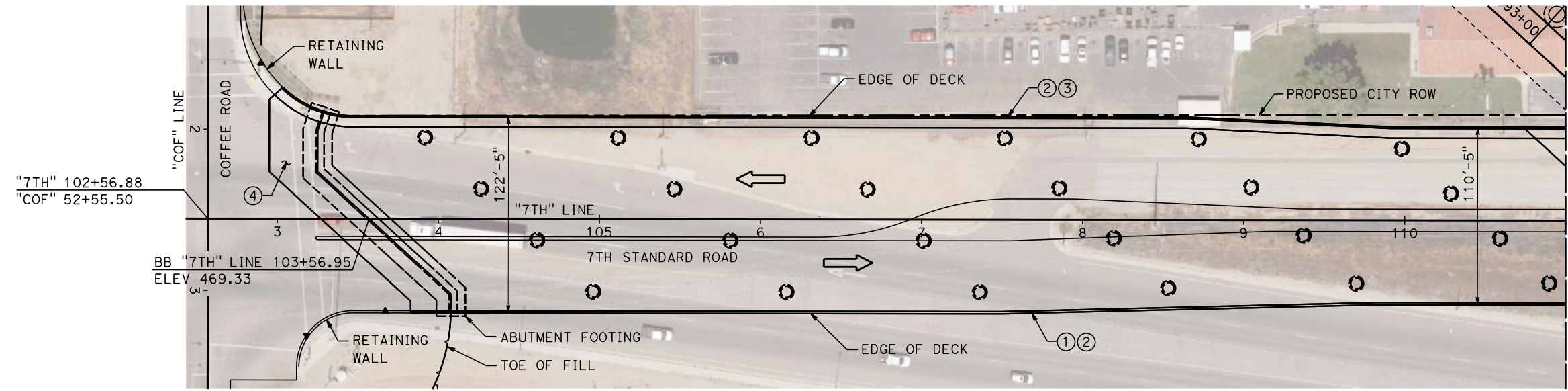
SCALE: 1" = 40'

NOTE:
ALL COLUMNS NOT SHOWN.
COLUMNS SHOWN AT INTERSECTION
OF BENT CENTERLINE AND "7TH" LINE.

MATCHLINE (111+00.000)
DRAWING NO. (T7006)

NOTES:

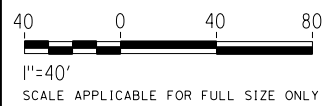
- ① CALTRANS CONCRETE BARRIER TYPE 736 (MOD)
- ② CALTRANS CHAIN LINK RAILING TYPE 7
- ③ CALTRANS CONCRETE BARRIER TYPE 26 (MOD)
- ④ CALTRANS STRUCTURE APPROACH TYPE N (30S)



PLAN

SCALE: 1" = 40'

MATCHLINE (111+00.000)
DRAWING NO. (T7006)



REV	DATE	BY	CHK	APP	DESCRIPTION

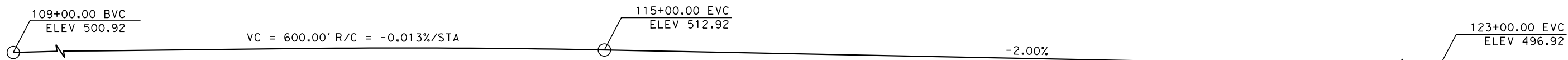
DESIGNED BY
T. KIRILOV
DRAWN BY
K BERRY
CHECKED BY
S. DULOR
IN CHARGE
S. DULOR
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT GENERAL PLAN NO. 1
7TH STANDARD VIADUCT

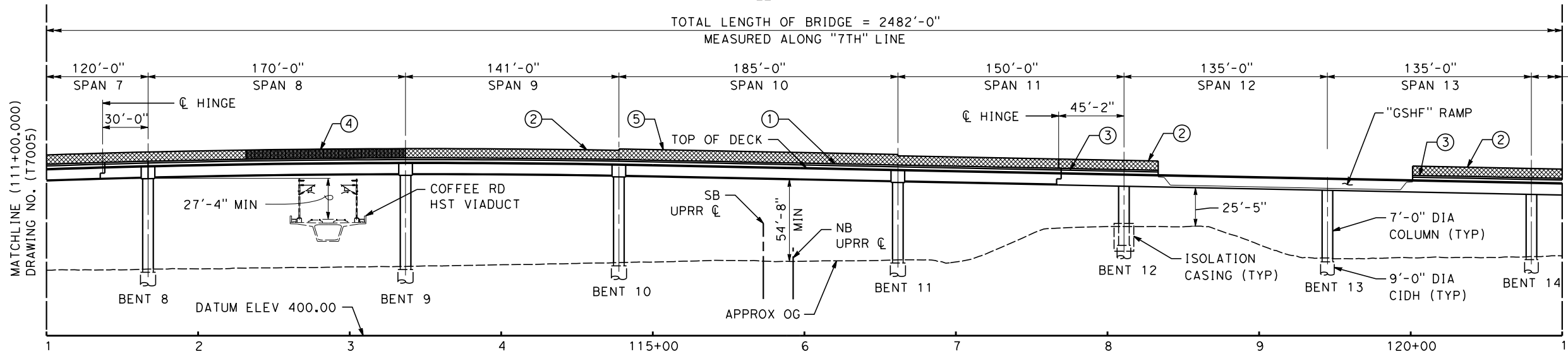
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T7005
SCALE
AS-SHOWN
SHEET NO.



PROFILE GRADE

NO SCALE

TOTAL LENGTH OF BRIDGE = 2482'-0"
MEASURED ALONG "7TH" LINE



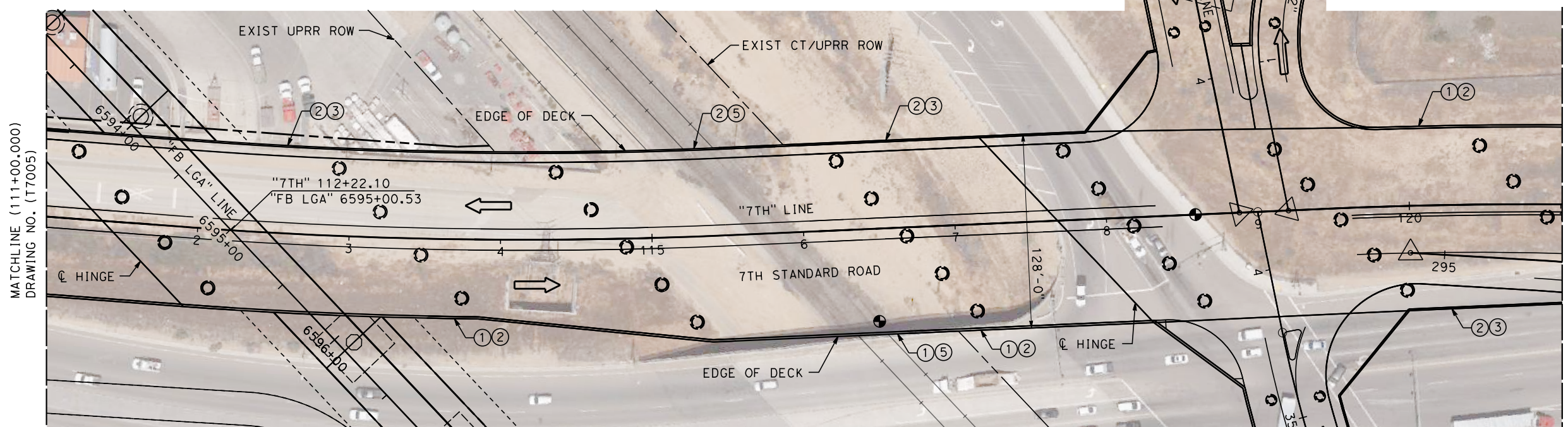
NOTE:
ALL COLUMNS NOT SHOWN.
COLUMNS SHOWN AT INTERSECTION
OF BENT CENTERLINE AND "7TH" LINE.

ELEVATION

SCALE: 1" = 40'

NOTES:

- ① CALTRANS CONCRETE BARRIER TYPE 736 (MOD)
- ② CALTRANS CHAIN LINK RAILING TYPE 7
- ③ CALTRANS CONCRETE BARRIER TYPE 26 (MOD)
- ④ AR FENCE WITH SOLID PLATE OVER HST
- ⑤ CALTRANS CHAIN LINK RAILING TYPE 7 (MOD) - MODIFIED FOR A 10'-0" MINIMUM COMBINED HEIGHT OF FENCE ON BARRIER OVER UPRR ROW



PLAN

SCALE: 1" = 40'



1"=40'
SCALE APPLICABLE FOR FULL SIZE ONLY

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REV	DATE	BY	CHK	APP	DESCRIPTION

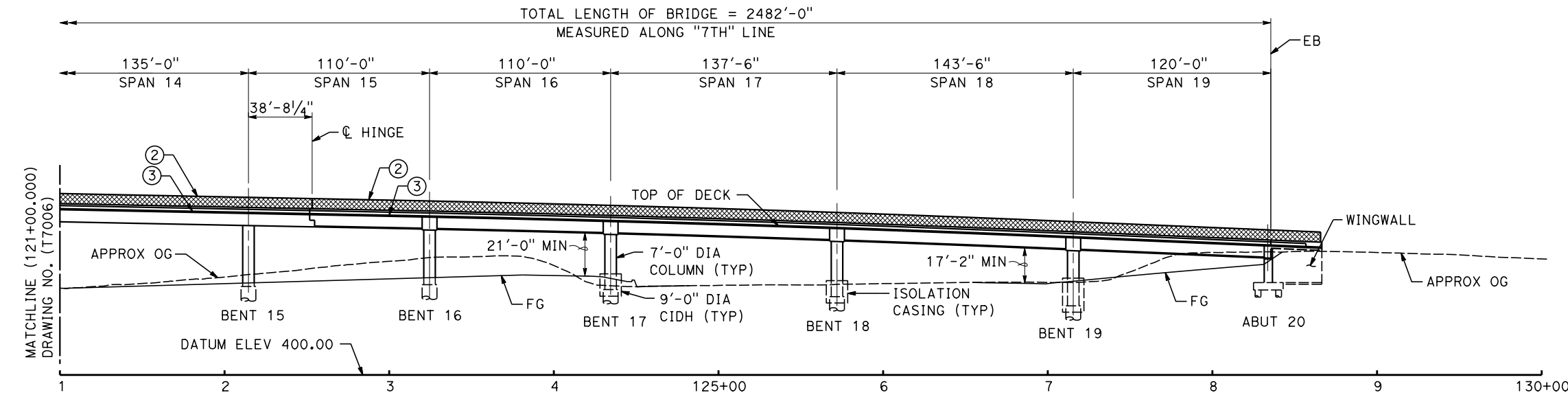
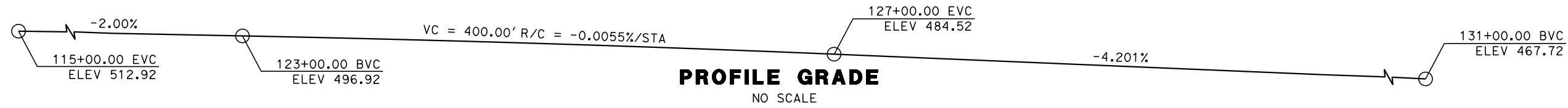
DESIGNED BY
T. KIRILOV
DRAWN BY
K. BERRY
CHECKED BY
S. DULOR
IN CHARGE
S. DULOR
DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT GENERAL PLAN NO. 2
7TH STANDARD VIADUCT

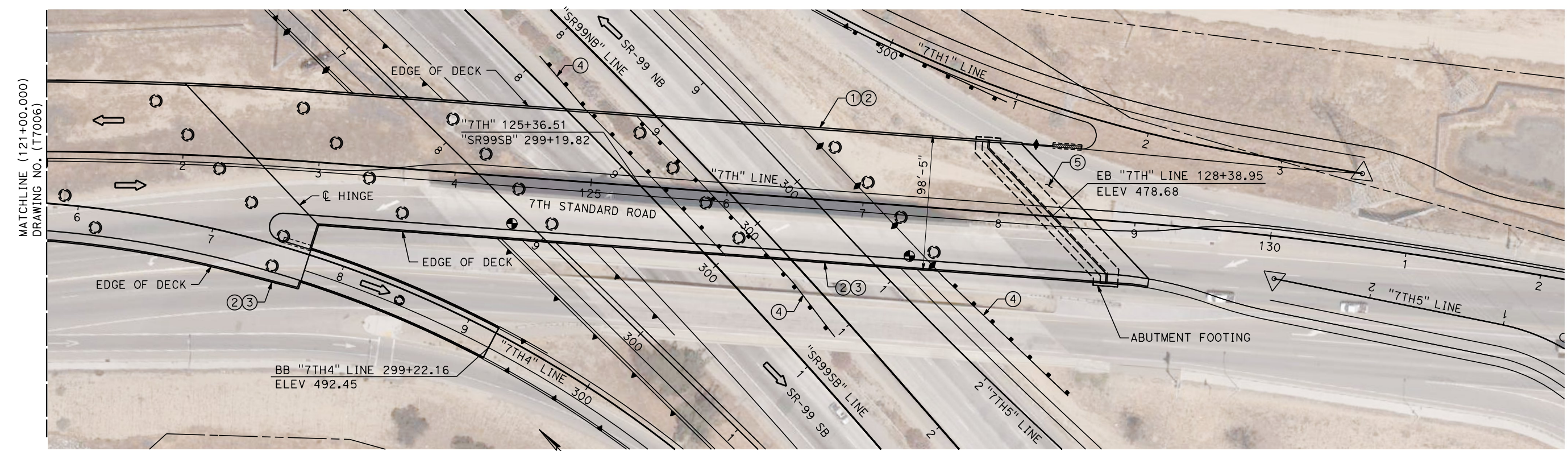
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DRAWING NO.
CV-T7006
SCALE
AS-SHOWN
SHEET NO.



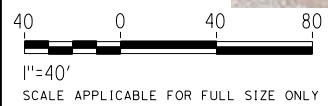
- NOTES:**
- ① CALTRANS CONCRETE BARRIER TYPE 736 (MOD)
 - ② CALTRANS CHAIN LINK RAILING TYPE 7
 - ③ CALTRANS CONCRETE BARRIER TYPE 26 (MOD)
 - ④ MGS, SEE ROADWAY PLANS
 - ⑤ CALTRANS APPROACH SLAB TYPE N (30S)

ELEVATION
SCALE: 1" = 40'

NOTE:
ALL COLUMNS NOT SHOWN.
COLUMNS SHOWN AT INTERSECTION
OF BENT CENTERLINE AND "7TH" LINE.



PLAN
SCALE: 1" = 40'



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 \$PLTDRVS\$
 \$PENTBL\$
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. KIRILOV
 DRAWN BY
K. BERRY
 CHECKED BY
S. DULOR
 IN CHARGE
S. DULOR
 DATE
10/28/2016

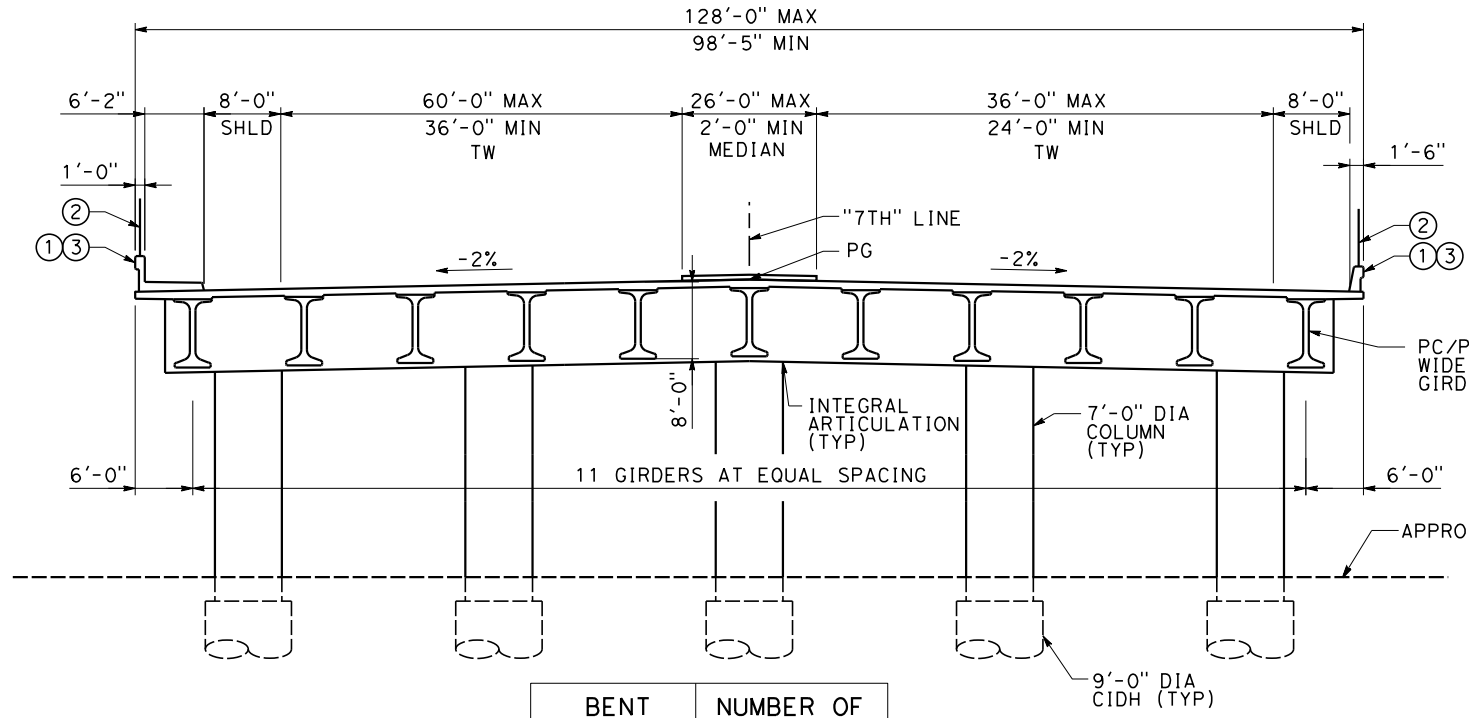
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK STRUCTURES / ROADWAY
 DRAFT GENERAL PLAN NO. 3
 7TH STANDARD VIADUCT

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T7007
 SCALE
AS-SHOWN
 SHEET NO.

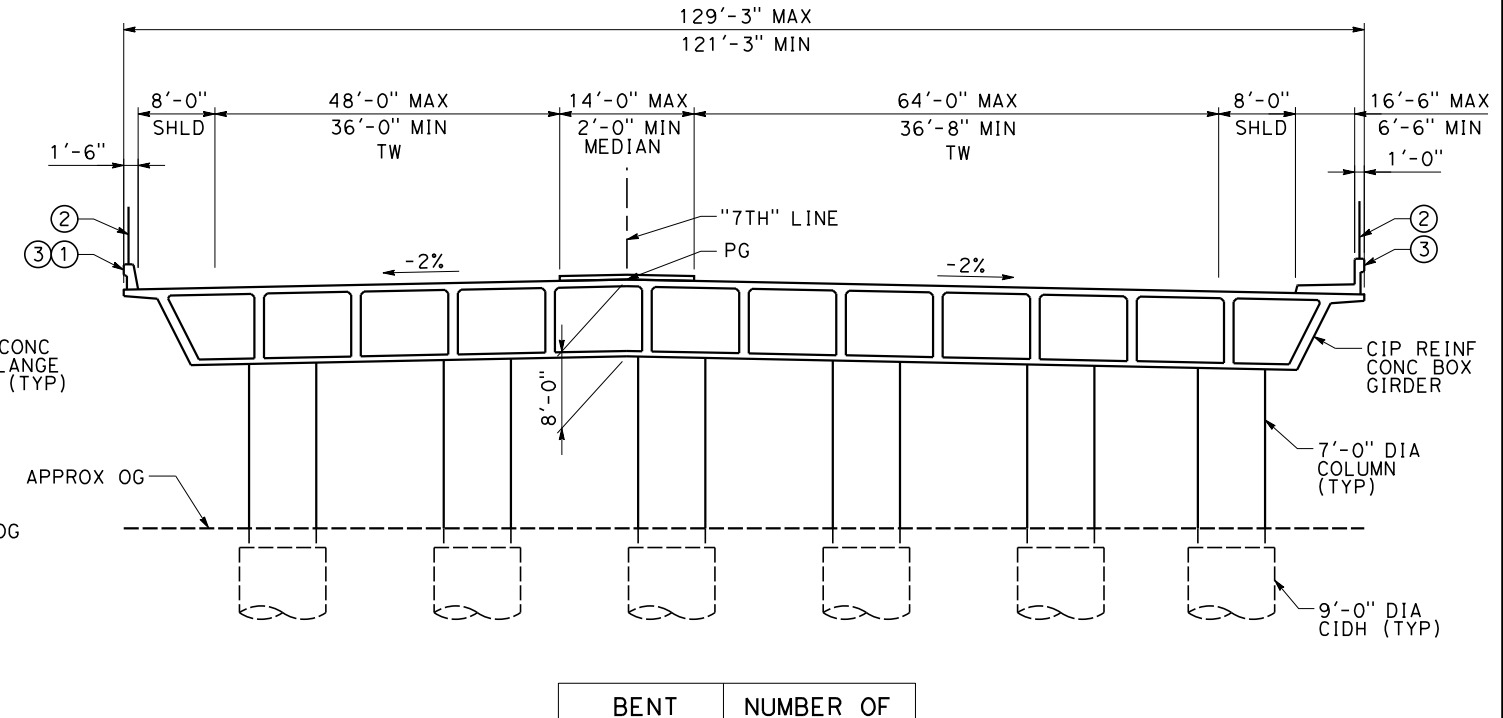
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BENT LOCATION	NUMBER OF COLUMNS
BENTS 2-9	4
BENTS 10-11	5
BENTS 16-19	4

NOTE:
BENT 11 SHOWN,
OTHER BENTS SIMILAR

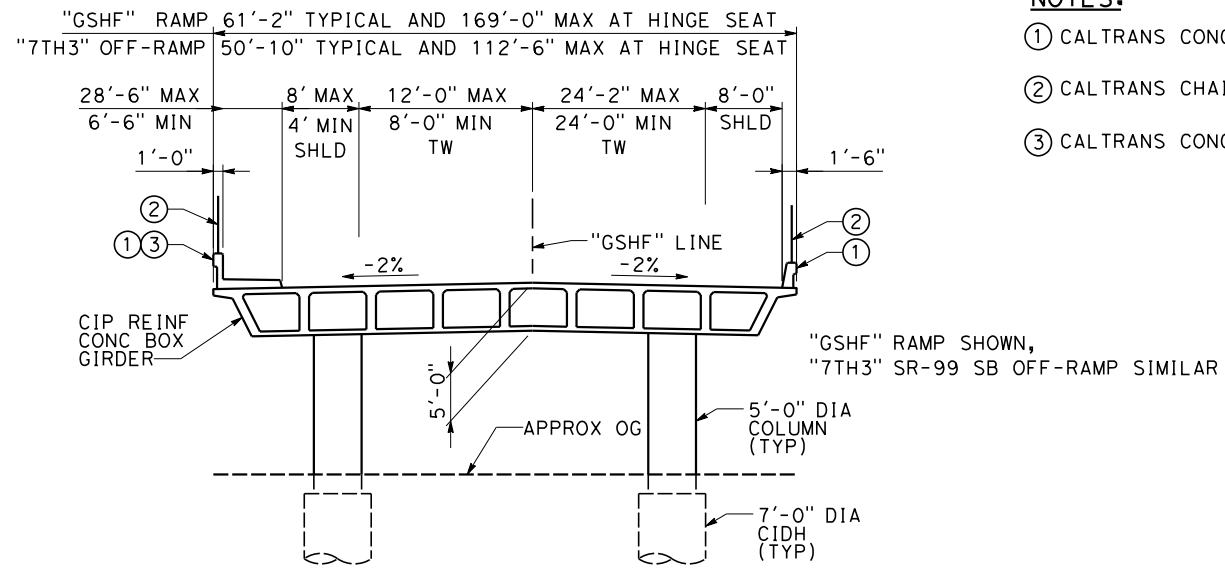
TYPICAL SECTION AT BENTS 2-11 AND 16-19
SCALE: 1"=10'



BENT LOCATION	NUMBER OF COLUMNS
BENTS 12-14	5
BENT 15	6

NOTE:
BENT 15 SHOWN,
OTHER BENTS SIMILAR

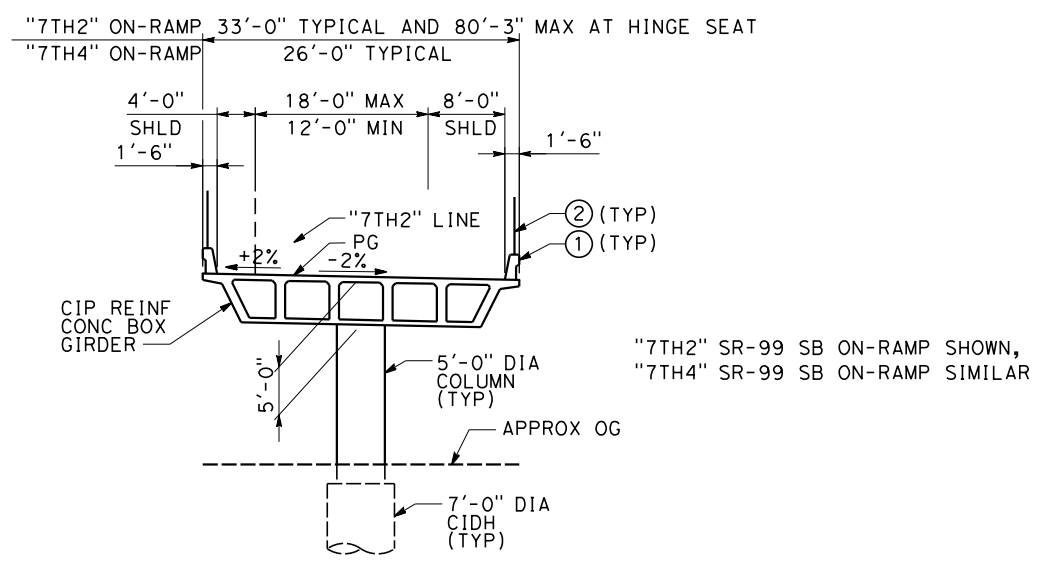
7TH STANDARD VIADUCT TYPICAL SECTION AT BENTS 12-15
SCALE: 1"=10'



"GSHF" RAMP SHOWN,
"7TH3" SR-99 SB OFF-RAMP SIMILAR

"7TH3" SR-99 SB OFF-RAMP and "GSHF" RAMP TYPICAL SECTION
SCALE: 1"=10'

- NOTES:**
- ① CALTRANS CONCRETE BARRIER TYPE 736 (MOD)
 - ② CALTRANS CHAIN LINK RAILING TYPE 7
 - ③ CALTRANS CONCRETE BARRIER TYPE 26 (MOD)



"7TH2" SR-99 SB ON-RAMP SHOWN,
"7TH4" SR-99 SB ON-RAMP SIMILAR

"7TH2" and "7TH4" SR-99 SB ON-RAMPS TYPICAL SECTION
SCALE: 1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. KIRILOV
DRAWN BY
K. BERRY
CHECKED BY
S. DULOR
IN CHARGE
S. DULOR
DATE
10/28/2016

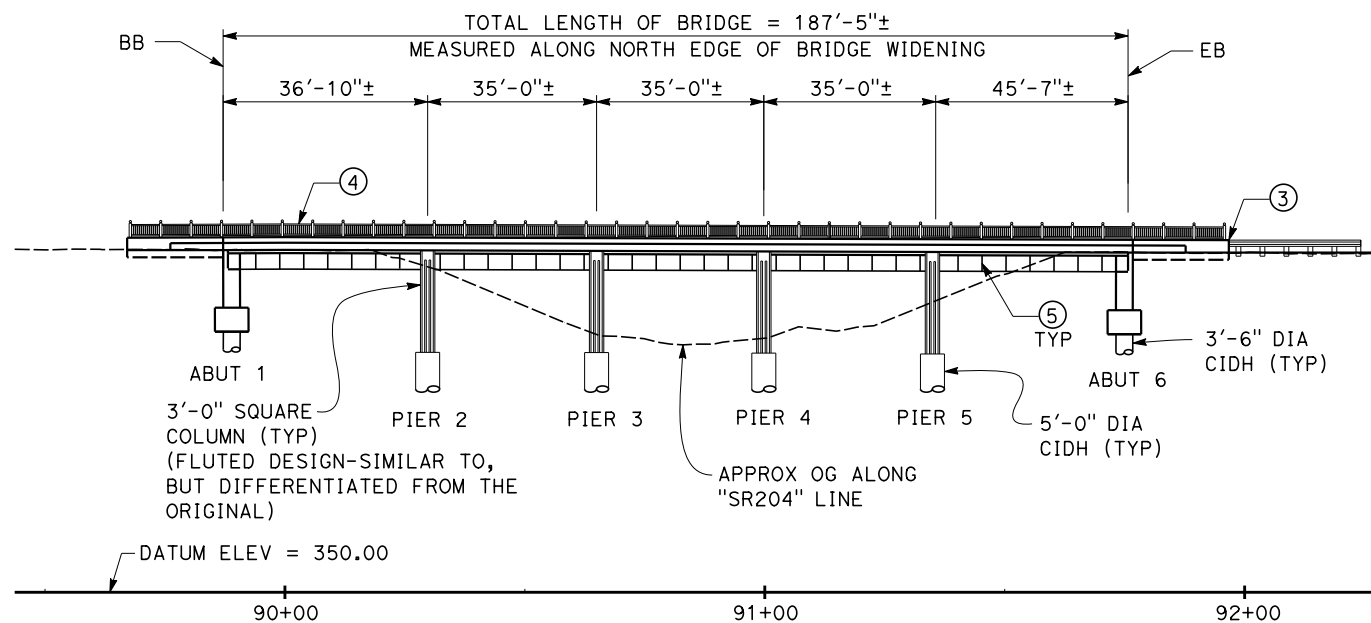
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SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT TYPICAL SECTIONS
7TH STANDARD VIADUCT

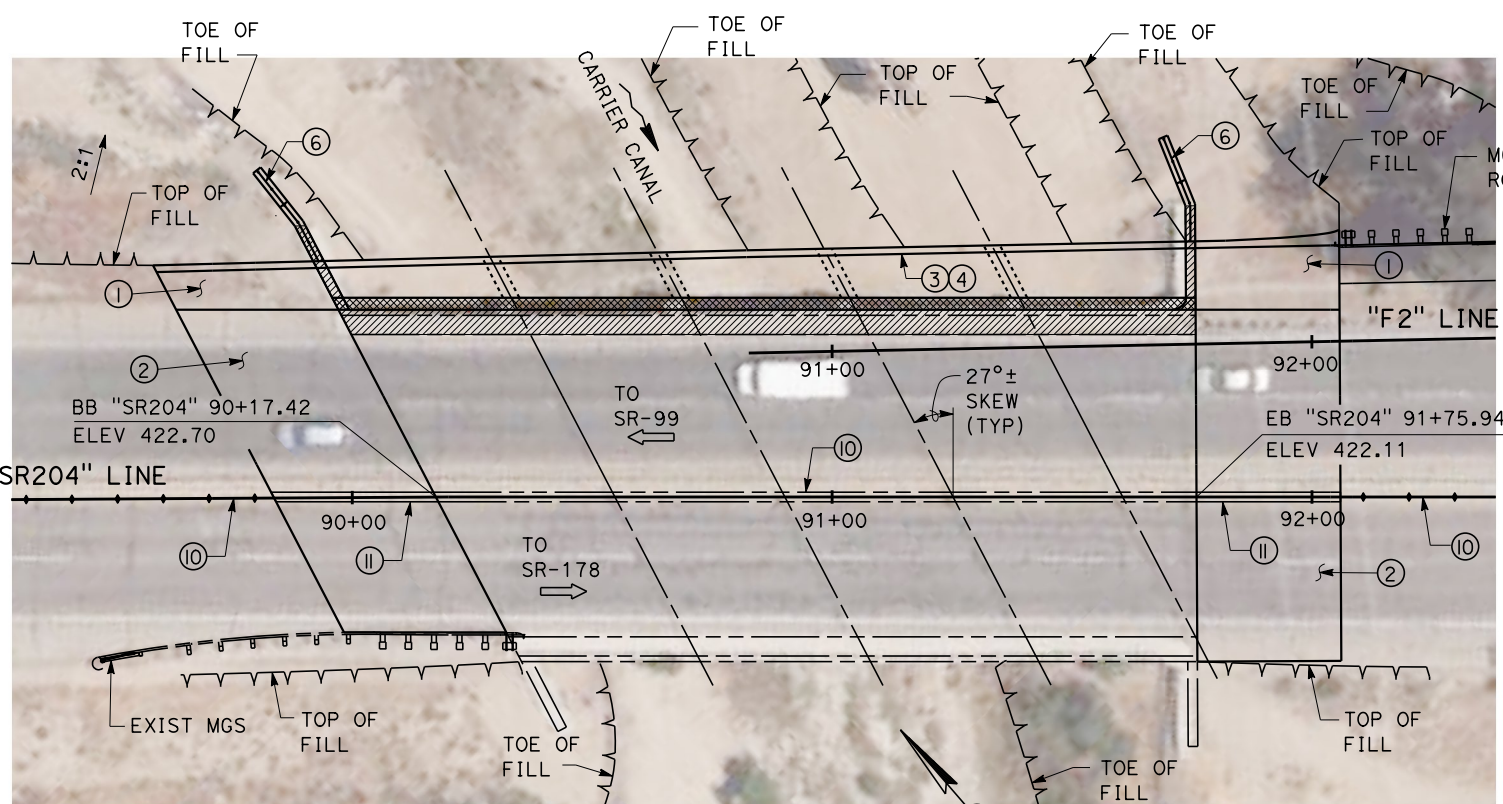
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T7008
SCALE
AS SHOWN
SHEET NO.

Projects\701206.N.BFSS\00_CADD\Sheet Files\Roadway Structure Sheets\BFSSA-CV-T7009



MIRROR ELEVATION (NORTH SIDE)
SCALE: 1"=20'

NOTE: TRAFFIC WILL BE ROUTED AROUND CONSTRUCTION SITE



PLAN
SCALE: 1"=20'

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

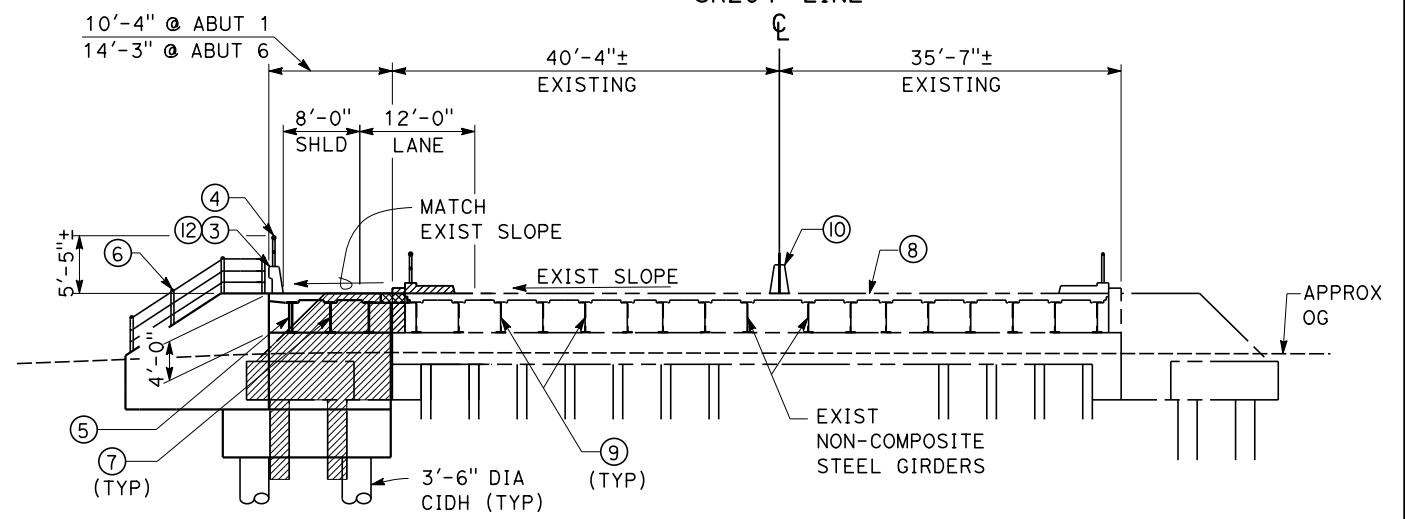
NOTES:

- ① CALTRANS STRUCTURE APPROACH TYPE N (30S)
- ② CALTRANS STRUCTURE APPROACH TYPE R (30S)
- ③ CALTRANS CONCRETE BARRIER TYPE 732
- ④ REPLICATED EXISTING RAILING. REINSTALL EXISTING RAILING ON TOP OF CONCRETE BARRIER TYPE 732. RAILING TO FOLLOW CURVE SIMILAR TO EXISTING CURVE AT SOUTH END OF BRIDGE
- ⑤ WEB STIFFENERS
- ⑥ CABLE RAILING
- ⑦ COMPOSITE STEEL GIRDERS
- ⑧ PERMANENTLY REMOVE AC ON ENTIRE DECK TO ALLOW FOR DECK INSPECTION. APPLY METHACRYLATE DECK TREATMENT AFTER REMOVAL OF AC.
- ⑨ FULL PREP AND PAINT OF EXISTING STEEL ELEMENTS
- ⑩ EXISTING CONCRETE BARRIER
- ⑪ RECONSTRUCT EXISTING BARRIER
- ⑫ DETAILS FOR SURFACING OF THE EXTERIOR SIDE OF THE CONCRETE BARRIER TBD AND TO BE CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES

LEGEND:

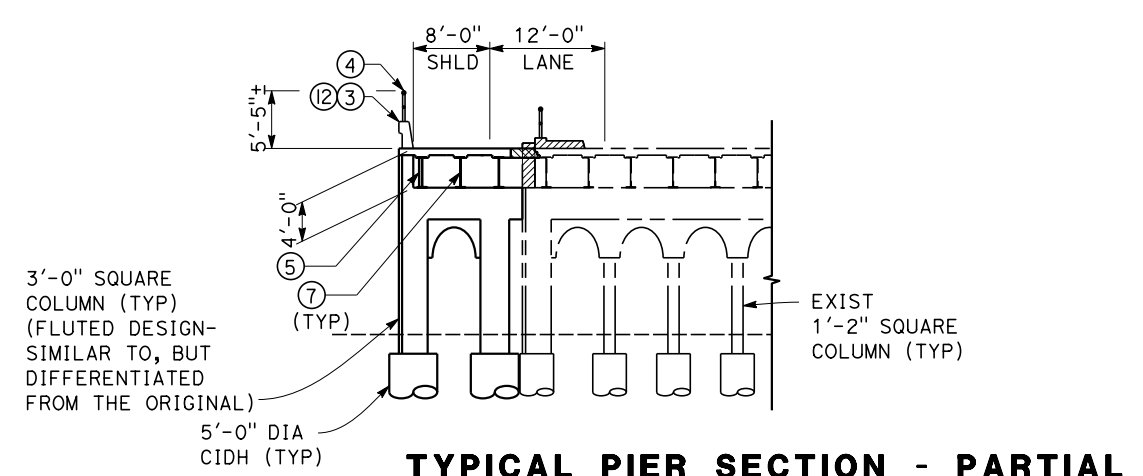
- INDICATES BRIDGE REMOVAL (PORTION)
- INDICATES CLOSURE POUR
- INDICATES DIRECTION OF FLOW

NOTE:
SEISMIC RETROFIT CURRENTLY NOT INCLUDED DUE TO RETROFIT IN 1998.



TYPICAL ABUTMENT SECTION
SCALE: 1"=10'

NOTE:
ABUTMENT 6 SHOWN, ABUTMENT 1 SIMILAR



TYPICAL PIER SECTION - PARTIAL
SCALE: 1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. KIRILOV
DRAWN BY
A. TOLEDO
CHECKED BY
S. DULOR
IN CHARGE
E. WINTERS
DATE
10/28/2016

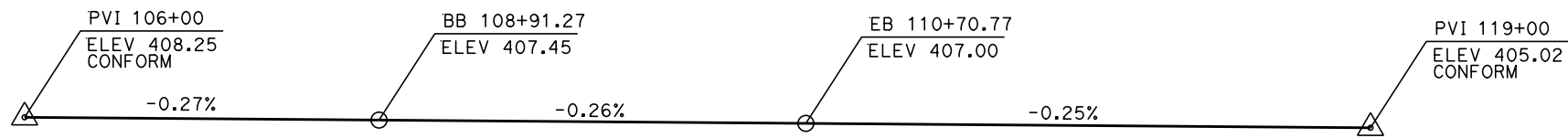
**DRAFT
PEPD DESIGN
SUBMISSION**

TYLIN INTERNATIONAL



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT GENERAL PLAN
CARRIER CANAL BRIDGE (WIDEN)

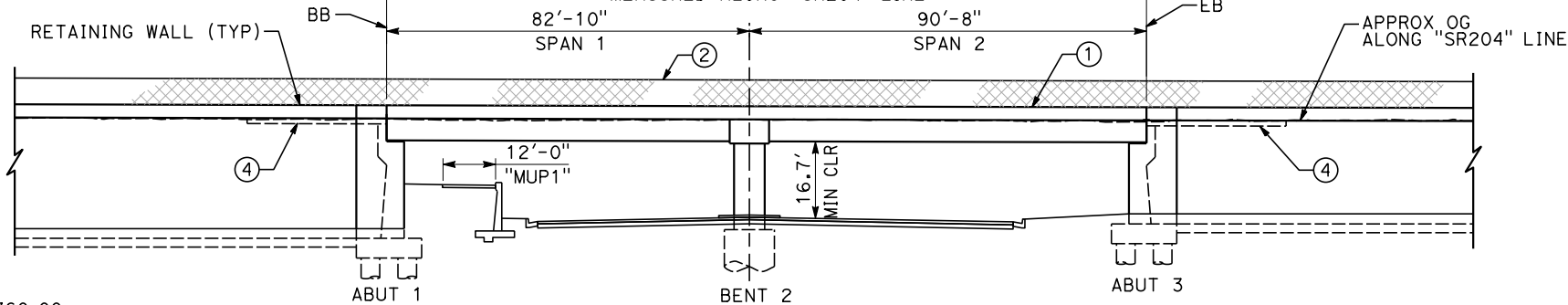
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T7009
SCALE
AS SHOWN
SHEET NO.



PROFILE GRADE

NO SCALE

TOTAL LENGTH OF BRIDGE=173'-6"
MEASURED ALONG "SR204" LINE



DATUM ELEV = 360.00

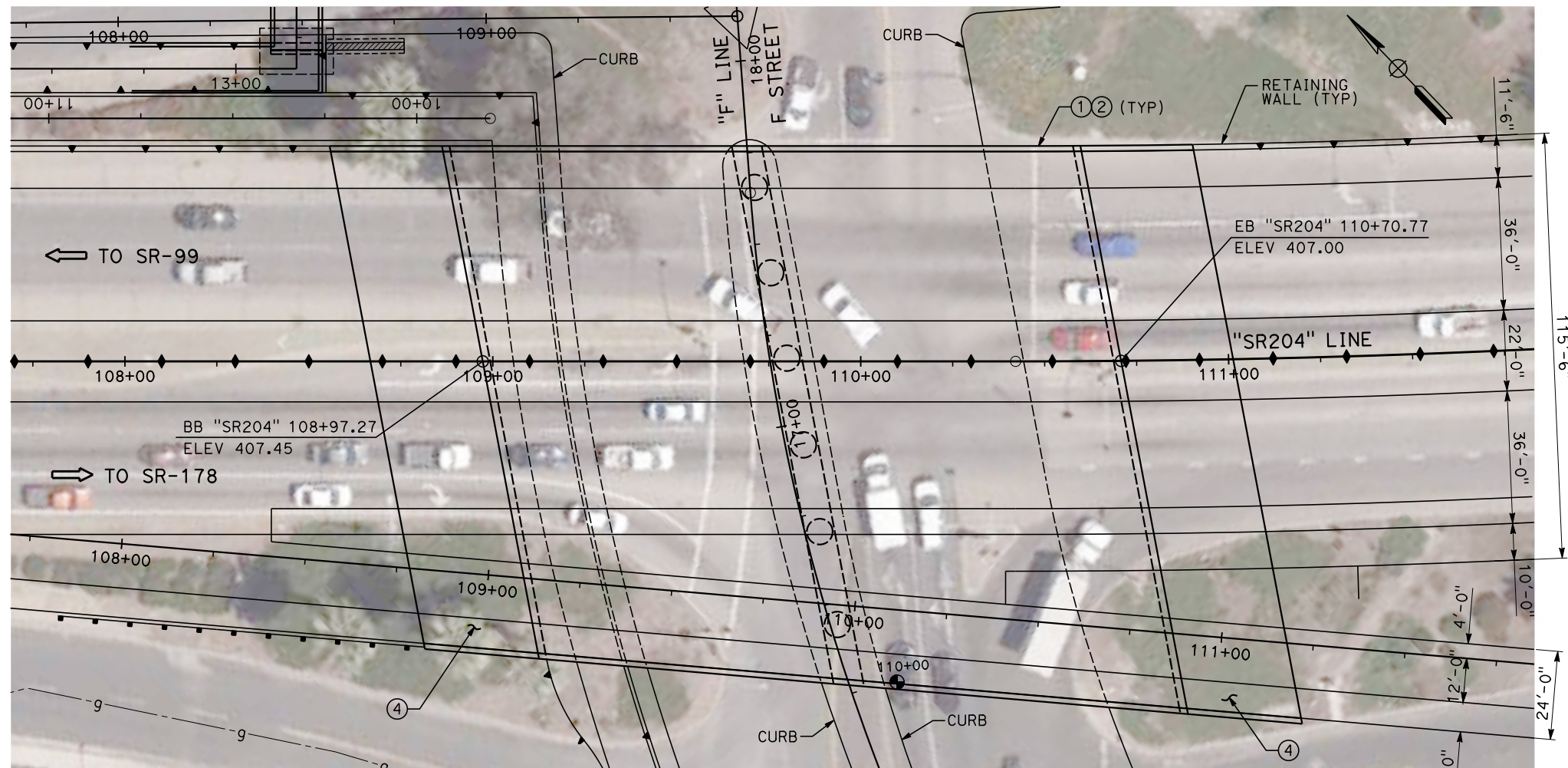
108+00 109+00 110+00 111+00

ELEVATION

SCALE: 1"=20'

NOTES

- ① CALTRANS CONCRETE BARRIER TYPE 736 (MOD)
- ② CALTRANS CHAIN LINK RAILING TYPE 7
- ③ CALTRANS CONCRETE BARRIER TYPE 60
- ④ CALTRANS STRUCTURE APPROACH TYPE N (30S)



PLAN

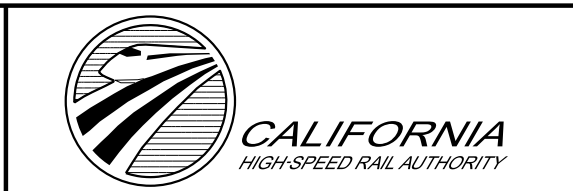
SCALE: 1"=20'

TYLIN\Kfir\10/26/2016\37:22 PM \$PENTBL.S\$ \$PLTDRVS\$ Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Structure_Sheets\BFSSA-CV-T7010

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. GOLJI
DRAWN BY
P. ZUCCHI
CHECKED BY
K. PIRBAZARI
IN CHARGE
K. PIRBAZARI
DATE
10/28/2016

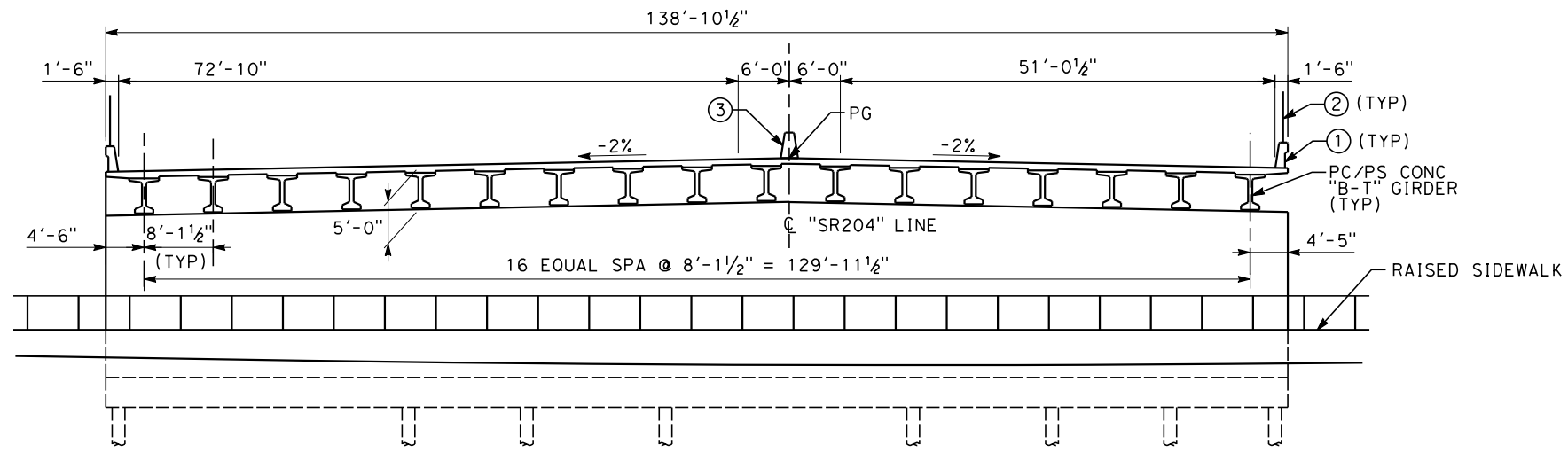
**RECORD SET
PEPD DESIGN
SUBMISSION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT GENERAL PLAN
F STREET UC

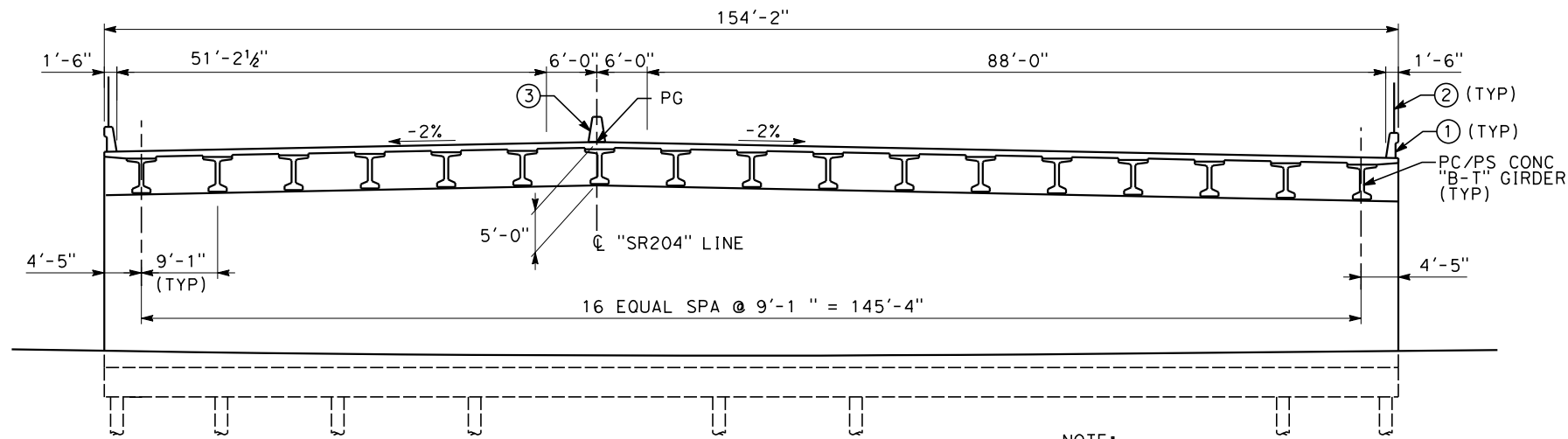
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HSR13-44
DRAWING NO.
CV-T7010
SCALE
AS SHOWN
SHEET NO.

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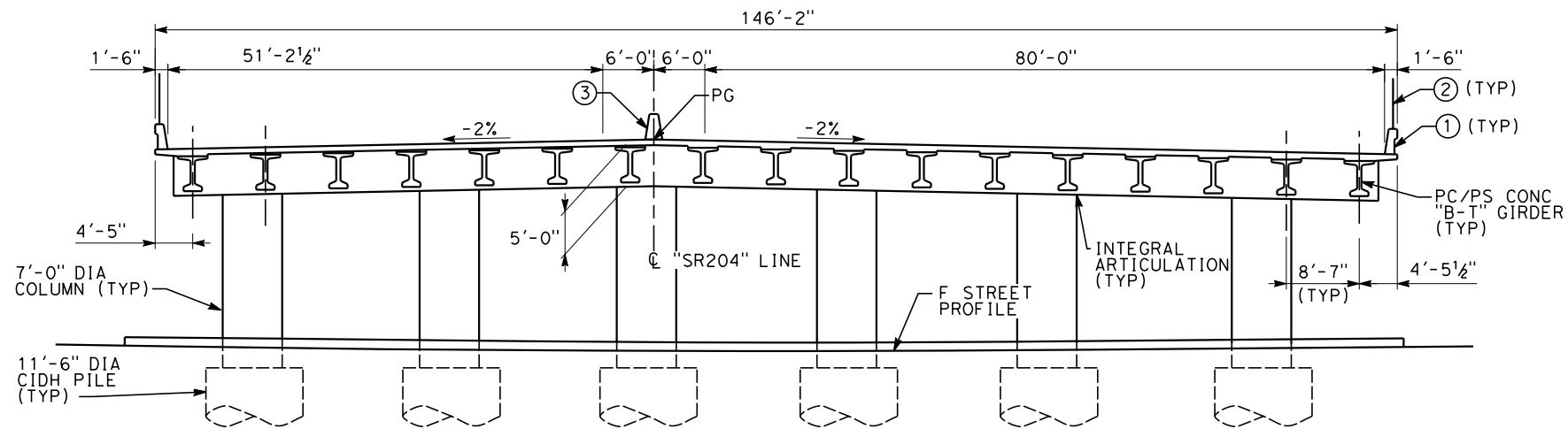
ABUTMENT 1 ELEVATION
SCALE: 1"=10'

NOTE:
NOT ALL PILES SHOWN FOR CLARITY.



ABUTMENT 3 ELEVATION
SCALE: 1"=10'

NOTE:
NOT ALL PILES SHOWN FOR CLARITY.



BENT 2 ELEVATION
SCALE: 1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. GOLJI
 DRAWN BY
P. ZUCCHI
 CHECKED BY
K. PIRBAZARI
 IN CHARGE
K. PIRBAZARI
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION

TYLIN INTERNATIONAL

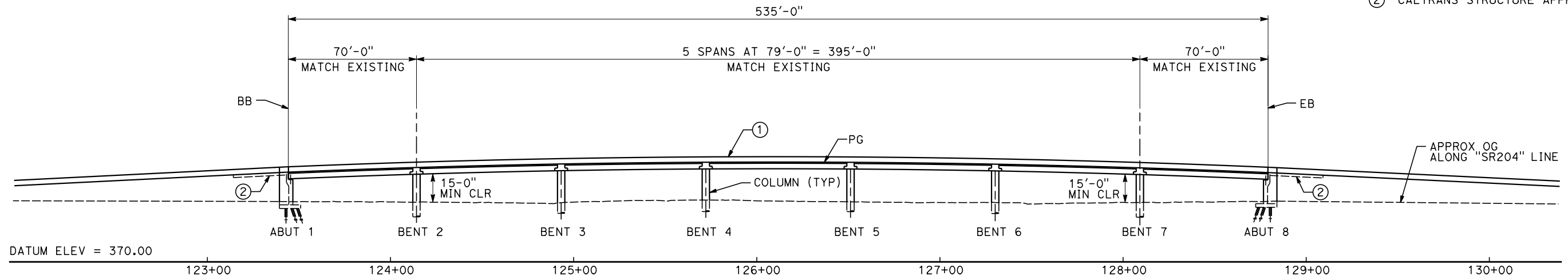


CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK STRUCTURES / ROADWAY
 DRAFT ELEVATIONS
 F STREET UC

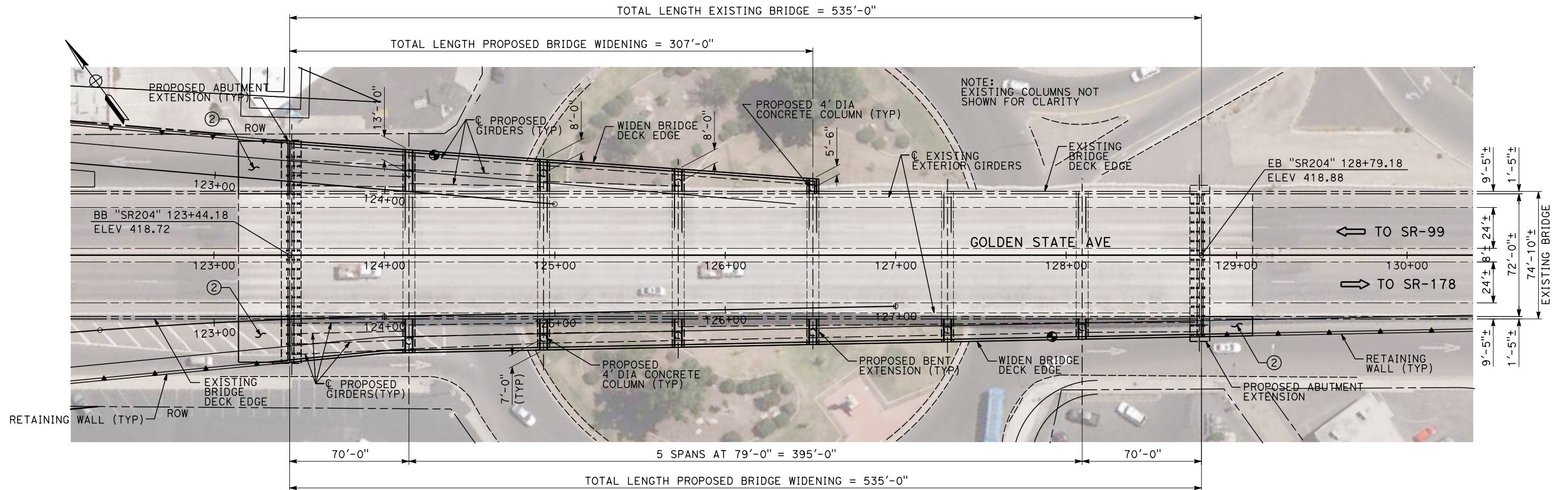
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T7011
 SCALE
AS SHOWN
 SHEET NO.

NOTES

- ① CALTRANS CONCRETE BARRIER TYPE 732 (MOD)
- ② CALTRANS STRUCTURE APPROACH TYPE N (30S)



ELEVATION
SCALE: 1"=30'



PLAN
SCALE: 1"=30'

Projects\701206_N_BFSS\00_CADD\Sheet_Files\Roadway_Structure_Sheets\BFSSA-CV-T7012
 \$PLTDRVS\$
 \$PENTBL.S\$
 TYLIN\Kfir\10/26/2016 5:37:56 PM

REV	DATE	BY	CHK	APP	DESCRIPTION

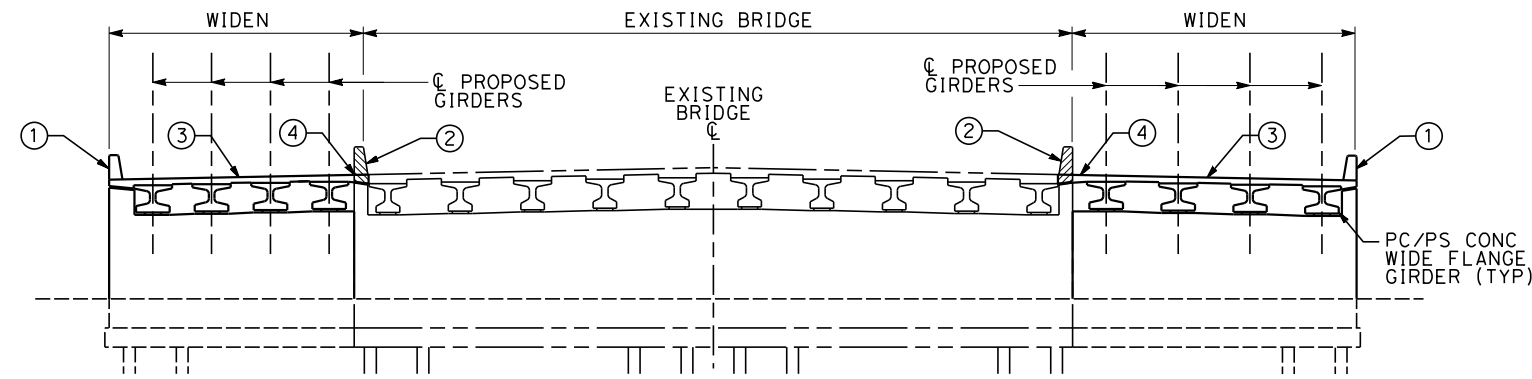
DESIGNED BY
M. GOLJI
 DRAWN BY
P. ZUCCHI
 CHECKED BY
K. PIRBAZARI
 IN CHARGE
K. PIRBAZARI
 DATE
10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



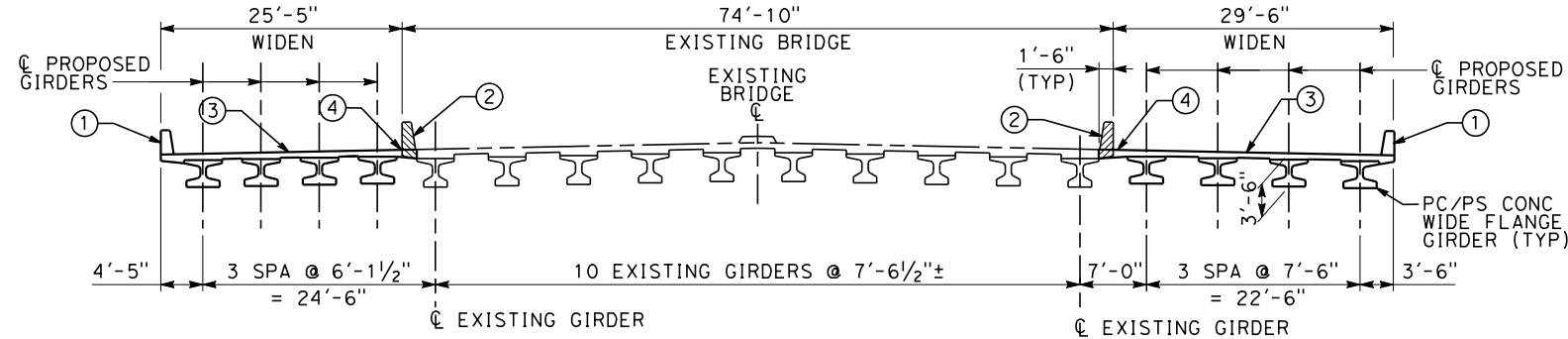
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
 LOCALLY GENERATED ALTERNATIVE
 TRACK STRUCTURES / ROADWAY
 DRAFT GENERAL PLAN
 CHESTER AVE UC

CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T7012
 SCALE
AS SHOWN
 SHEET NO.



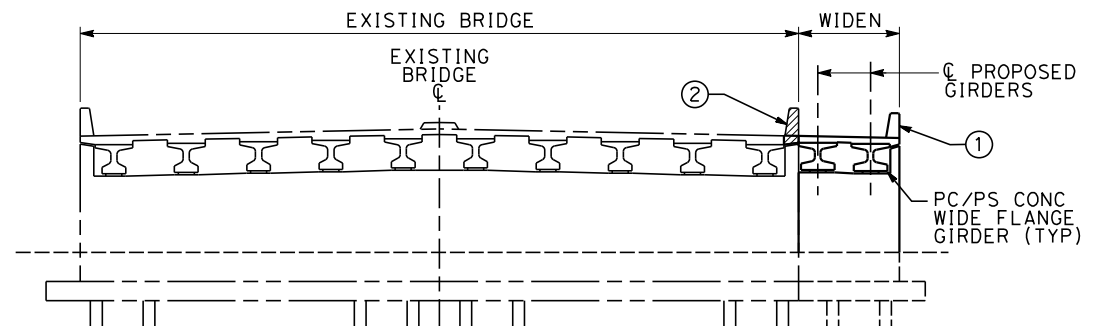
ABUTMENT 1 ELEVATION

SCALE: 1"=10'



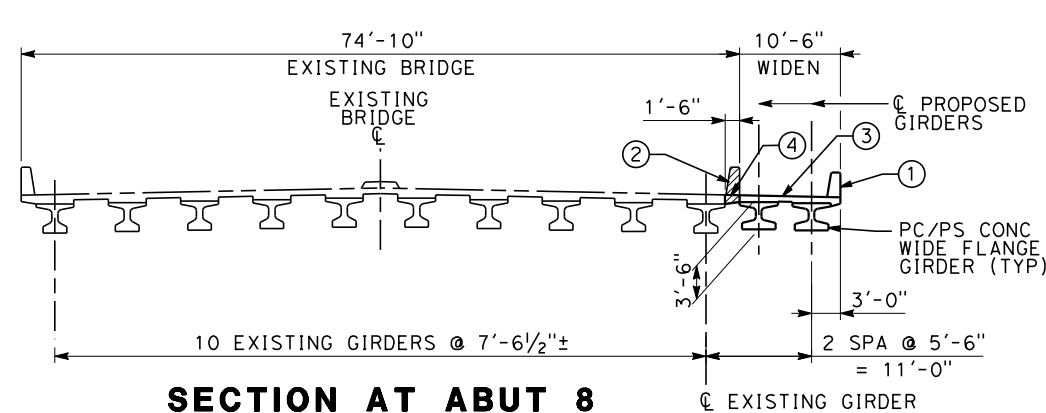
SECTION AT ABUT 1

SCALE: 1"=10'



ABUTMENT 8 ELEVATION

SCALE: 1"=10'

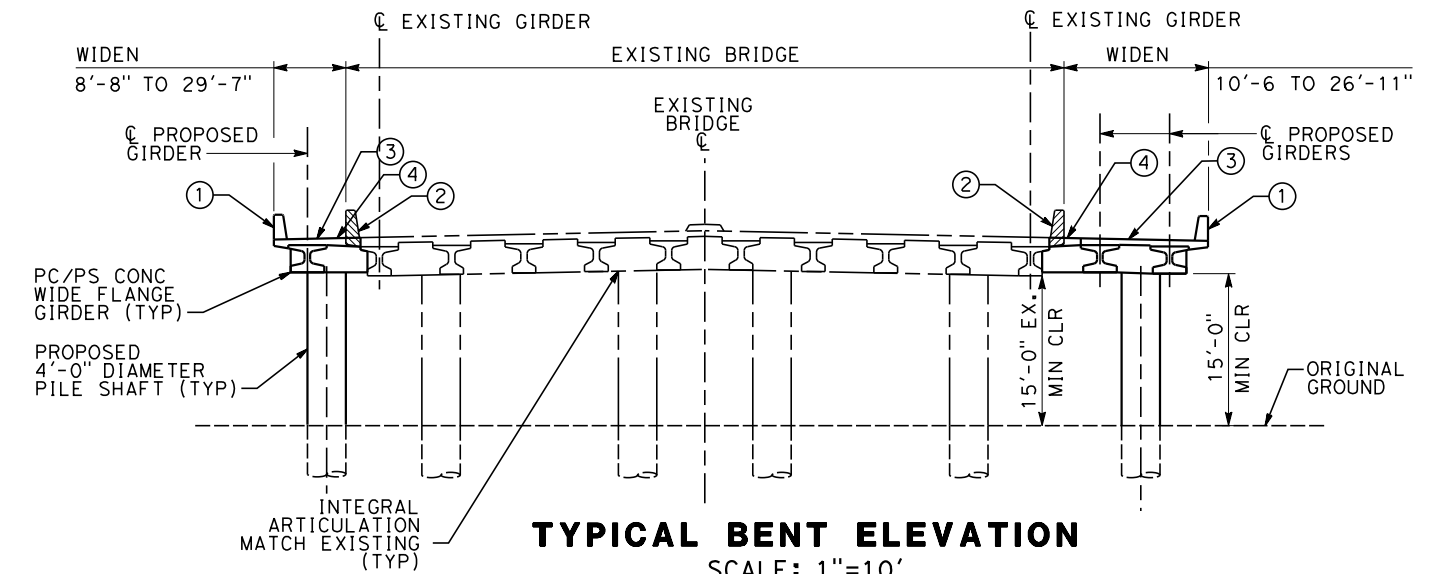


SECTION AT ABUT 8

SCALE: 1"=10'

NOTES

- ① CALTRANS CONCRETE BARRIER TYPE 732 (MOD)
- ② SAWCUT AND REMOVE EXISTING BARRIER AND PORTION OF BRIDGE DECK
- ③ MATCH EXISTING DECK SLOPE
- ④ CLOSURE POUR



TYPICAL BENT ELEVATION

SCALE: 1"=10'

NOTE: BENT 5 SHOWN. OTHER BENTS SIMILAR.

11/4/2016 12:51:17 PM CAHSRP.tbl CHSR_PDF_half_black.plt: \\pwworking\tylin\pwworking\tdms27049\BFS5A-CV-T7013.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. GOLJI
DRAWN BY
P. ZUCCHI
CHECKED BY
K. PIRBAZARI
IN CHARGE
K. PIRBAZARI
DATE
10/28/2016

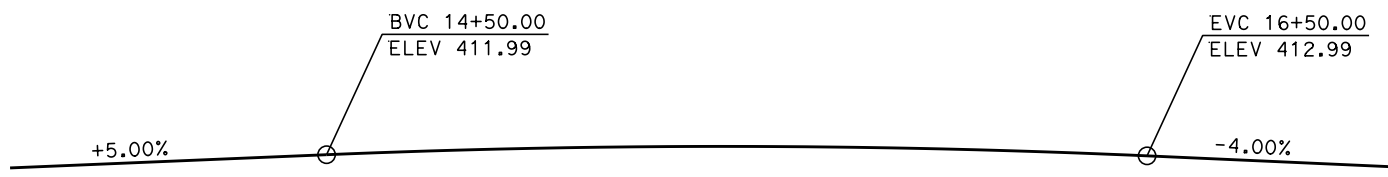
RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT SECTIONS
CHESTER AVE UC

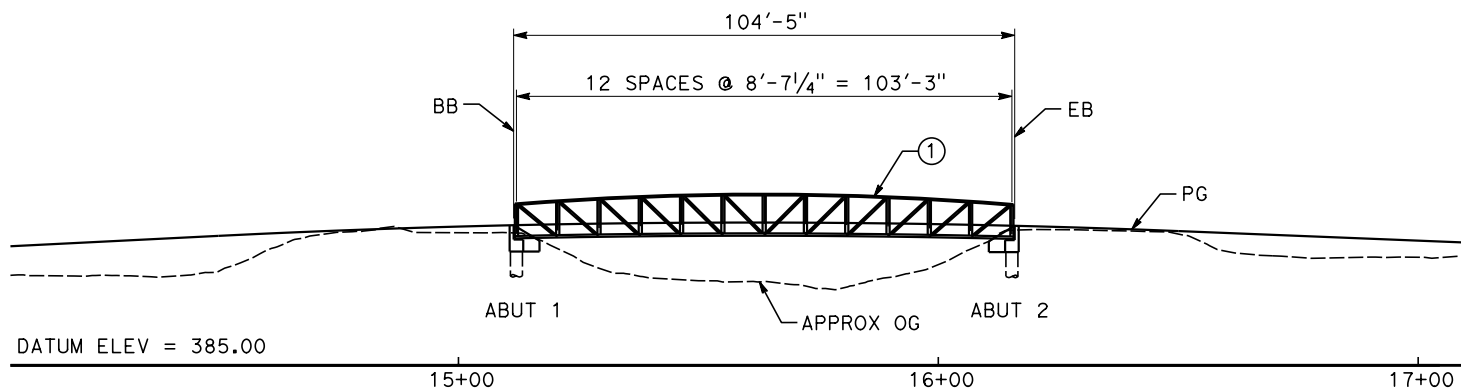
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T7013
SCALE
AS SHOWN
SHEET NO.

Projects\701206.N.BFSS\00_CADD\Sheet_Files\Roadway_Structure_Sheets\BFSSA-CV-T7014 \$PLTDRVS\$ \$PENTBL.S\$ 10/26/2016 5:39:17 PM TYLINTKIRI\lov_10/26/2016 5:39:17 PM

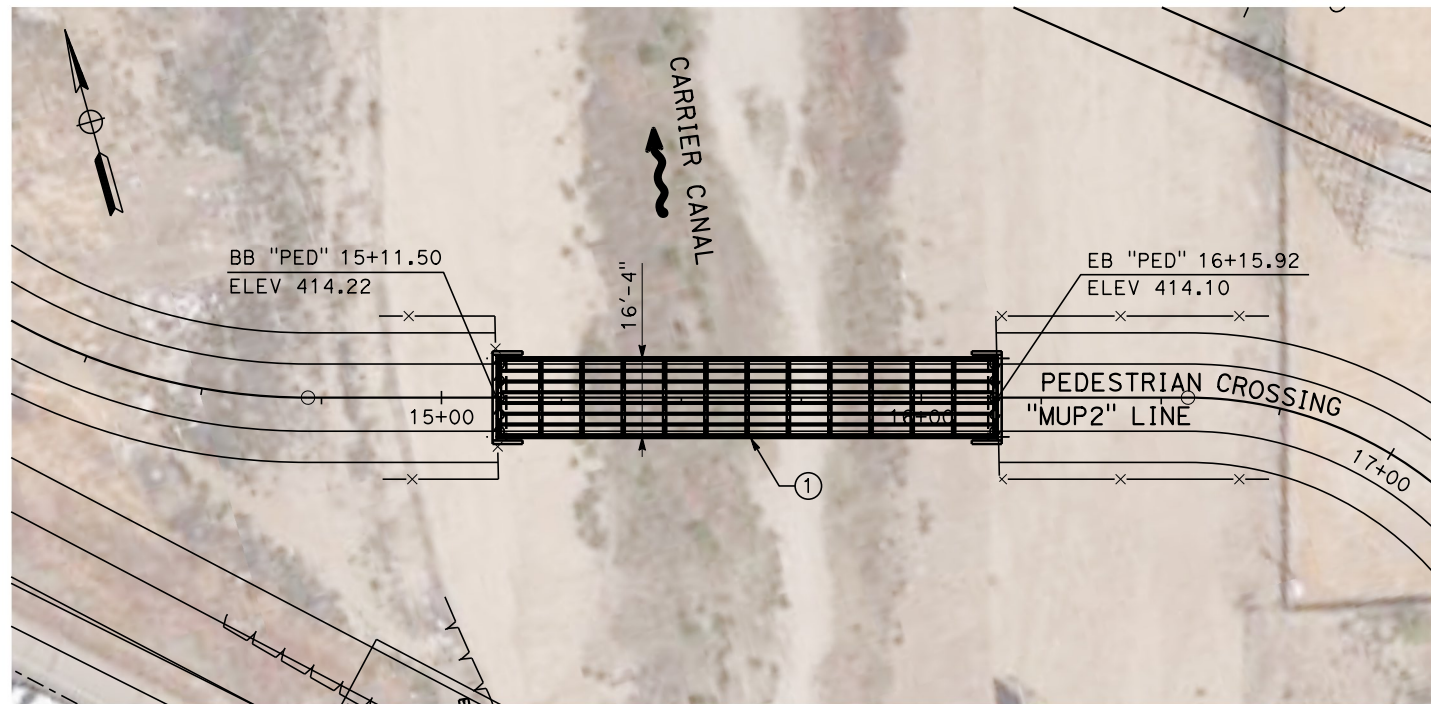


VC=200.00' R/C=-4.5%/STA

PROFILE GRADE
NO SCALE



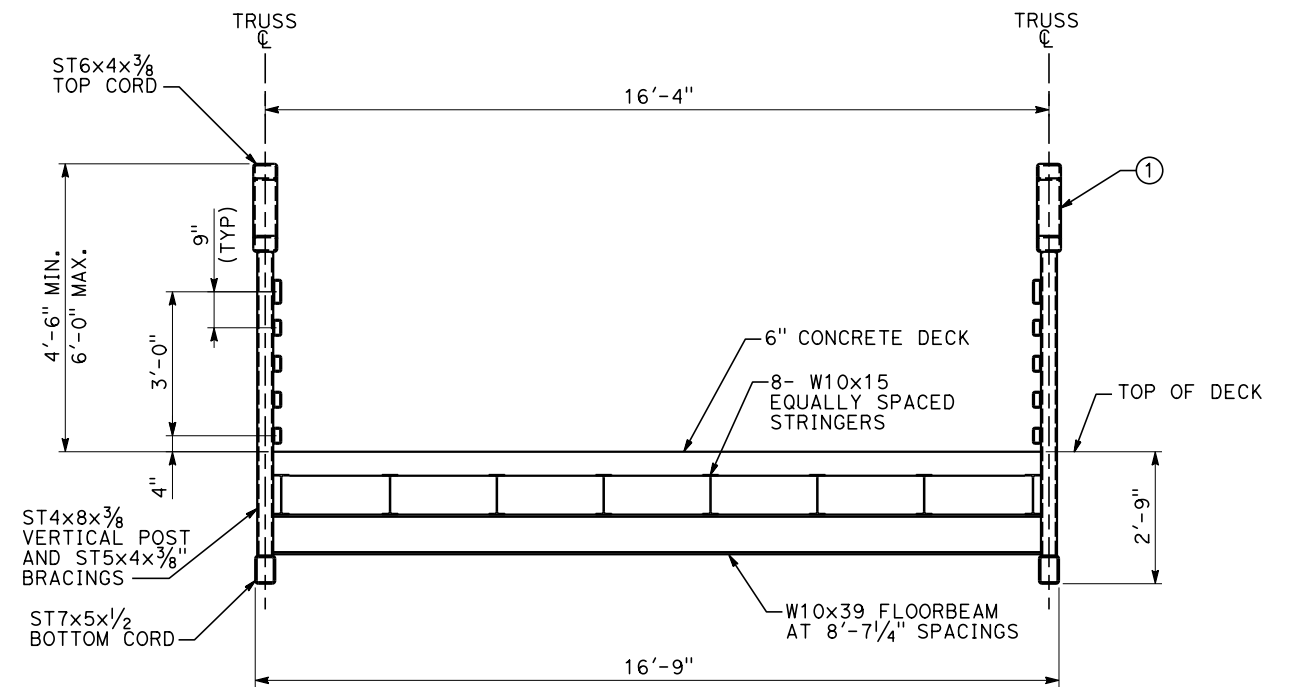
ELEVATION
SCALE: 1"=20'



PLAN
SCALE: 1"=20'

NOTES

① STEEL TRUSS BRIDGE



TYPICAL SECTION
SCALE: 1/2"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. GOLJI
DRAWN BY
P. ZUCCHI
CHECKED BY
K. PIRBAZARI
IN CHARGE
K. PIRBAZARI
DATE
10/28/2016

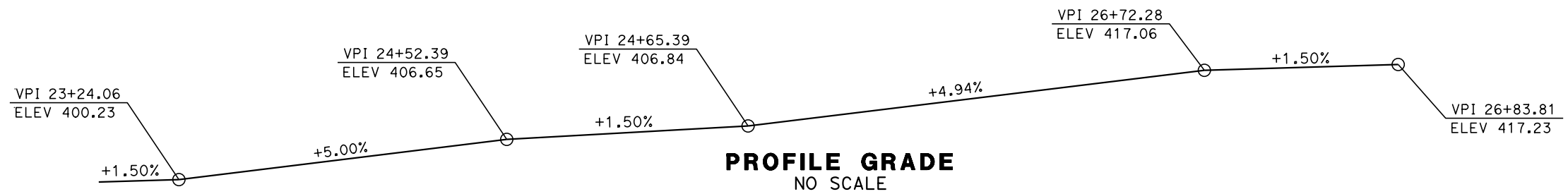
RECORD SET
PEPD DESIGN
SUBMISSION



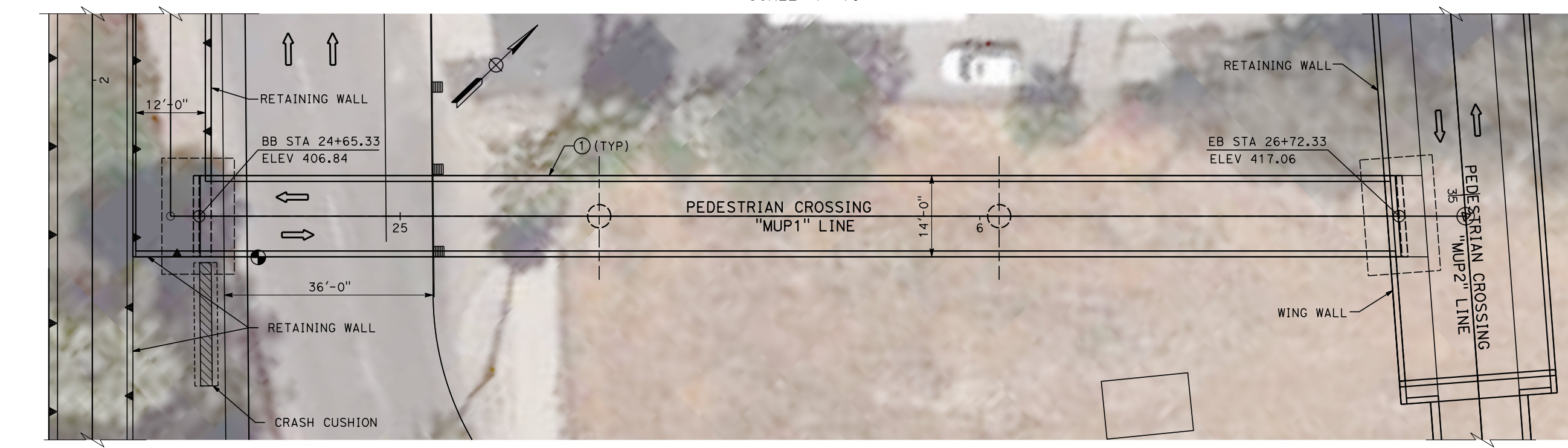
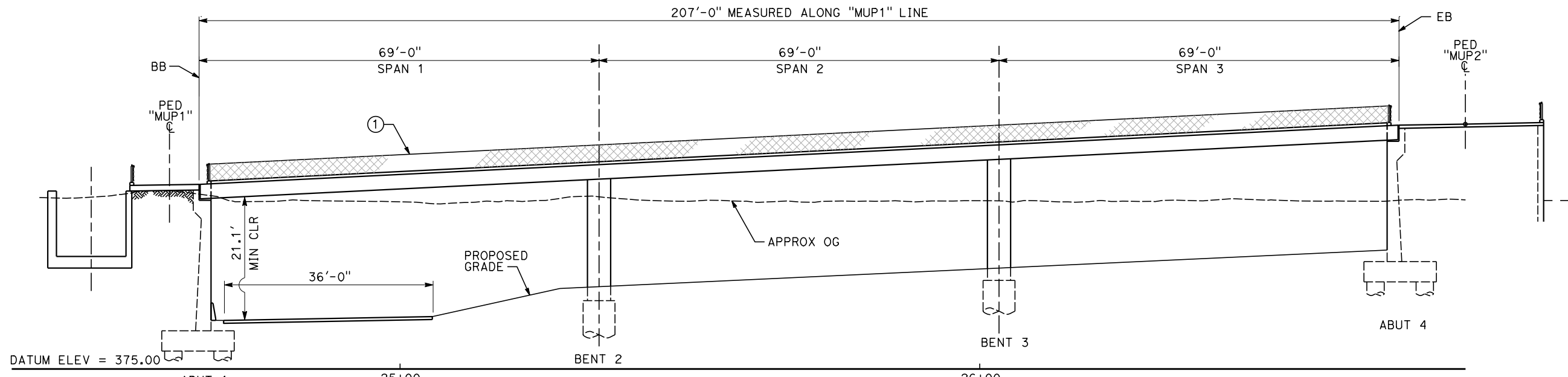
CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT GENERAL PLAN
PEDESTRIAN BRIDGE OVER CARRIER CANAL

CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T7014
SCALE
AS SHOWN
SHEET NO.

Projects\701206.N.BFSS\00_CADD\Sheet_Files\Roadway_Structure_Sheets\BFSSA-CV-T7015 \$PLTDRVS\$ \$PENTBL\$ \$ 10/26/2016 5:39:32 PM TYL\TKirilov



NOTES
 ① CONCRETE PARAPET WITH CHAIN LINK RAILING



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. GOLJI
 DRAWN BY
P. ZUCCHI
 CHECKED BY
K. PIRBAZARI
 IN CHARGE
K. PIRBAZARI
 DATE
10/28/2016

**RECORD SET
 PEPP DESIGN
 SUBMISSION**

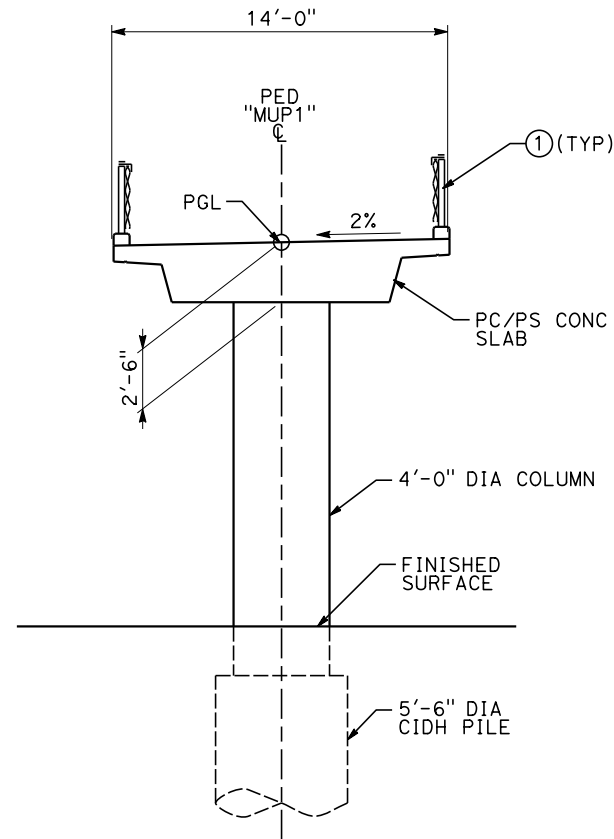


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 FRESNO TO BAKERSFIELD**
 LOCALLY GENERATED ALTERNATIVE
 TRACK STRUCTURES / ROADWAY
 DRAFT GENERAL PLAN
 PEDESTRIAN BRIDGE OVER SR-204 ON-RAMP

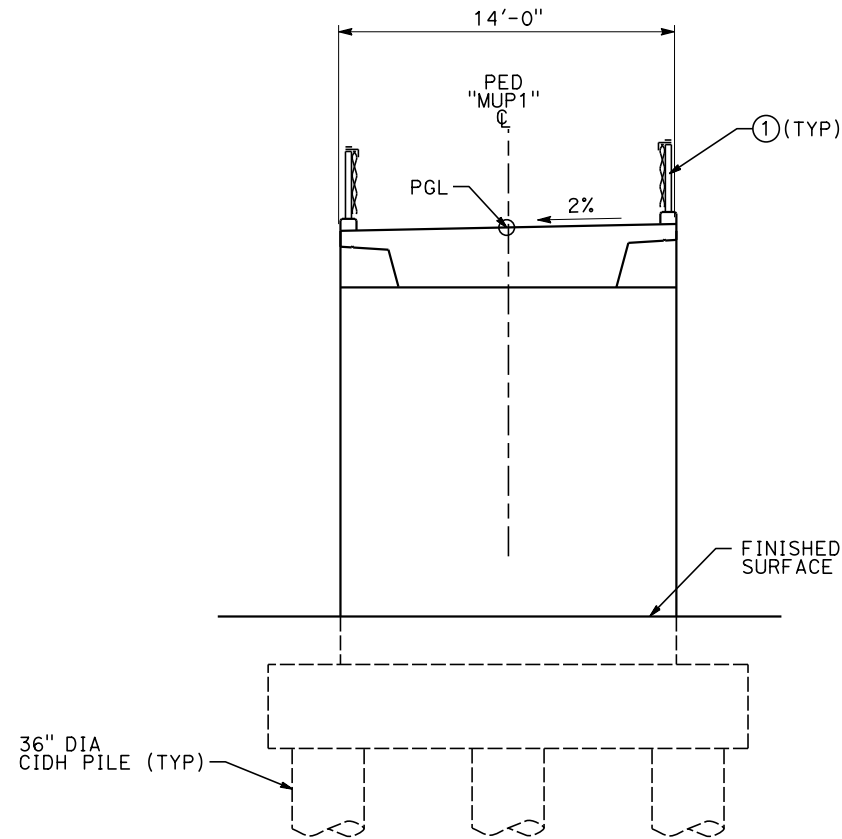
CONTRACT NO.
HSR13-44
 DRAWING NO.
CV-T7015
 SCALE
AS SHOWN
 SHEET NO.

NOTES

- ① CONCRETE PARAPET WITH CHAIN LINK RAILING



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



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

NOTE:
ABUTMENT 4 SHOWN, ABUTMENT 1 SIMILAR

Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Structure_Sheets\BFSSA-CV-T7016 \$PLTDRVS\$ \$PENTBLS\$ 10/26/2016 5:38:43 PM TYLINTK\rl\ov

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. GOLJI
DRAWN BY P. ZUCCHI
CHECKED BY K. PIRBAZARI
IN CHARGE K. PIRBAZARI
DATE 10/28/2016

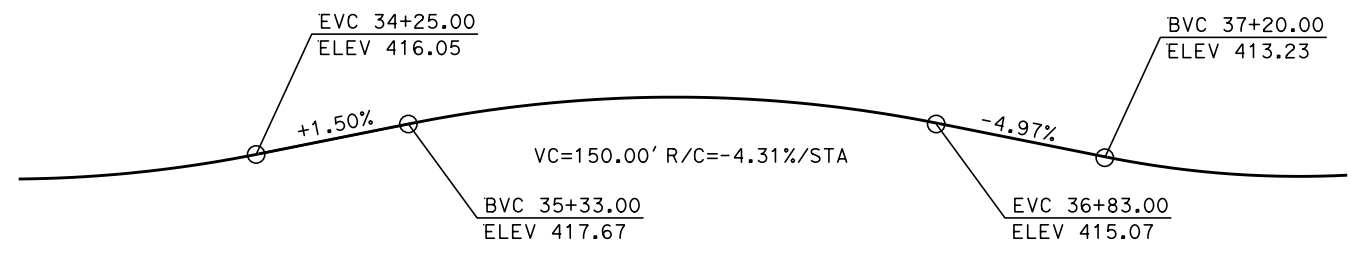
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PEPD DESIGN
SUBMISSION**



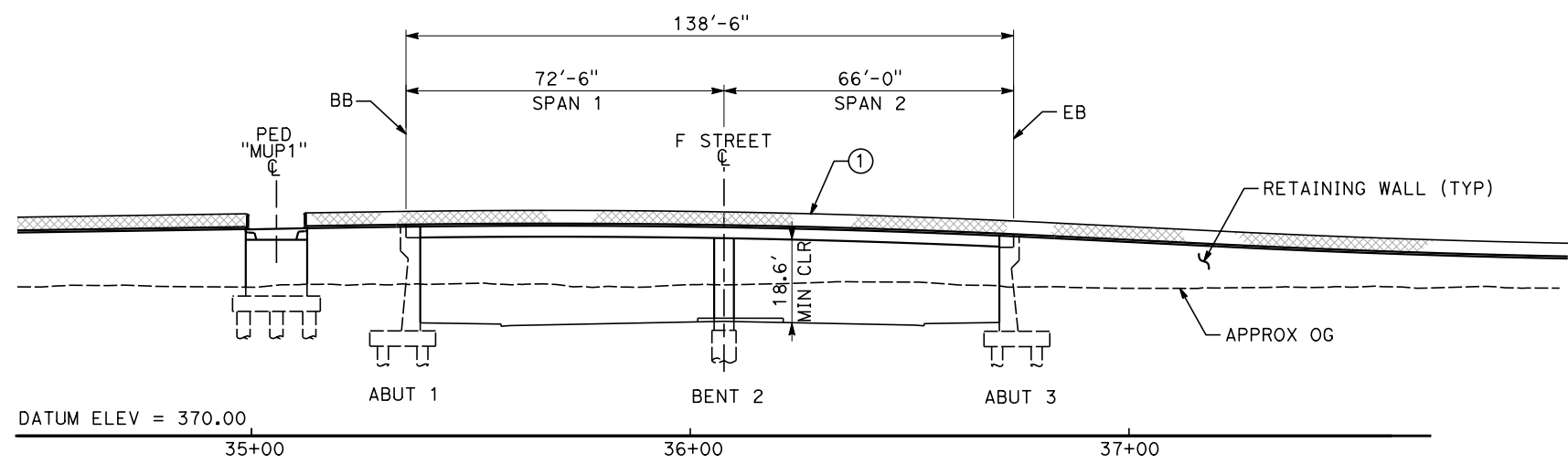
**CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD**
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT TYPICAL SECTIONS
PEDESTRIAN BRIDGE OVER SR-204 ON-RAMP

CONTRACT NO. HSR13-44
DRAWING NO. CV-T7016
SCALE AS SHOWN
SHEET NO.

Projects\701206.N_BFSS\00_CADD\Sheet_Files\Roadway_Structure_Sheets\BFSSA-CV-T7017

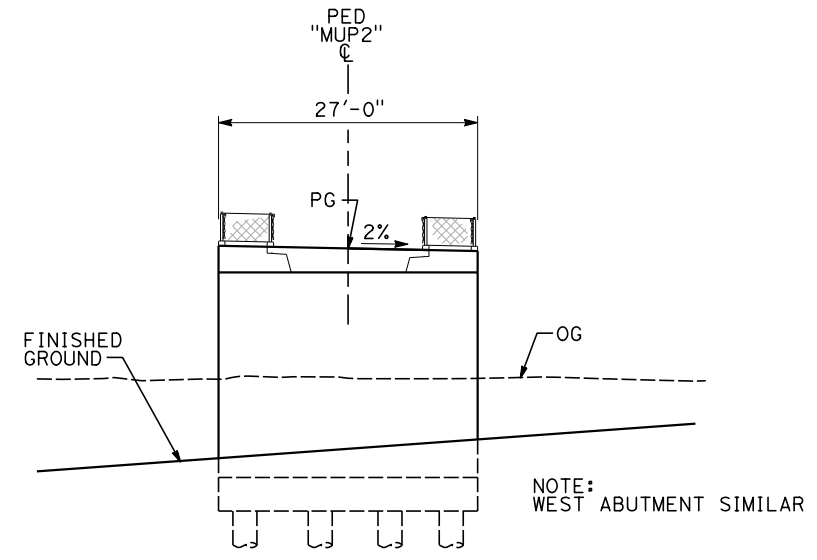


PROFILE GRADE
NO SCALE

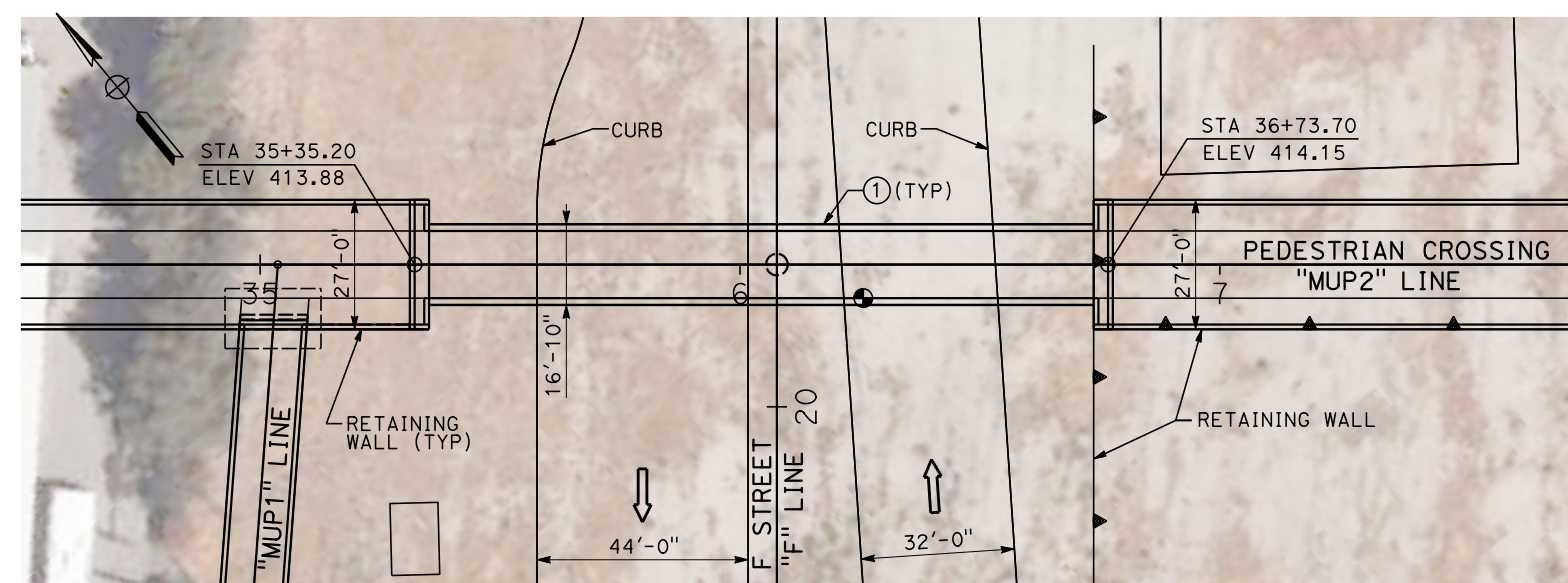


ELEVATION
SCALE: 1"=20'

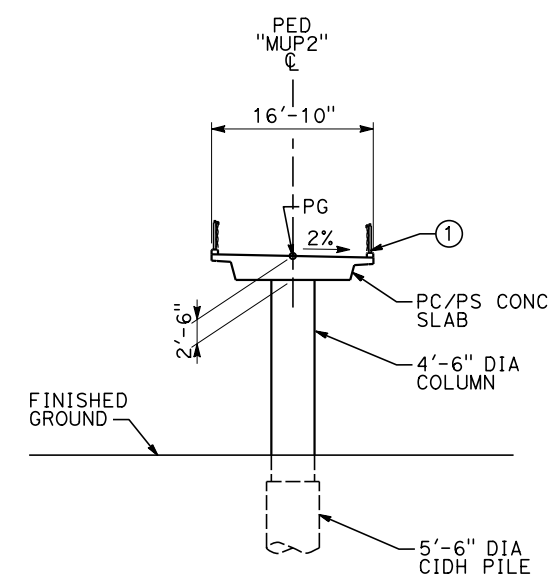
NOTES
① CONCRETE PARAPET WITH CHAIN LINK RAILING



EAST ABUTMENT ELEVATION
SCALE: 1"=10'



PLAN
SCALE: 1"=20'



TYPICAL SECTION
SCALE: 1"=10'

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
M. GOLJI
DRAWN BY
P. ZUCCHI
CHECKED BY
K. PIRBAZARI
IN CHARGE
K. PIRBAZARI
DATE
10/28/2016

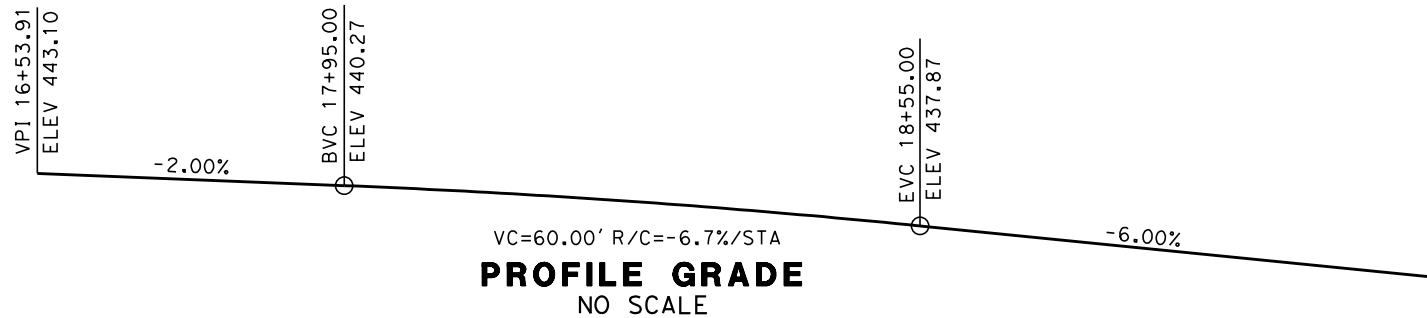
RECORD SET
PEPD DESIGN
SUBMISSION

TYLIN INTERNATIONAL

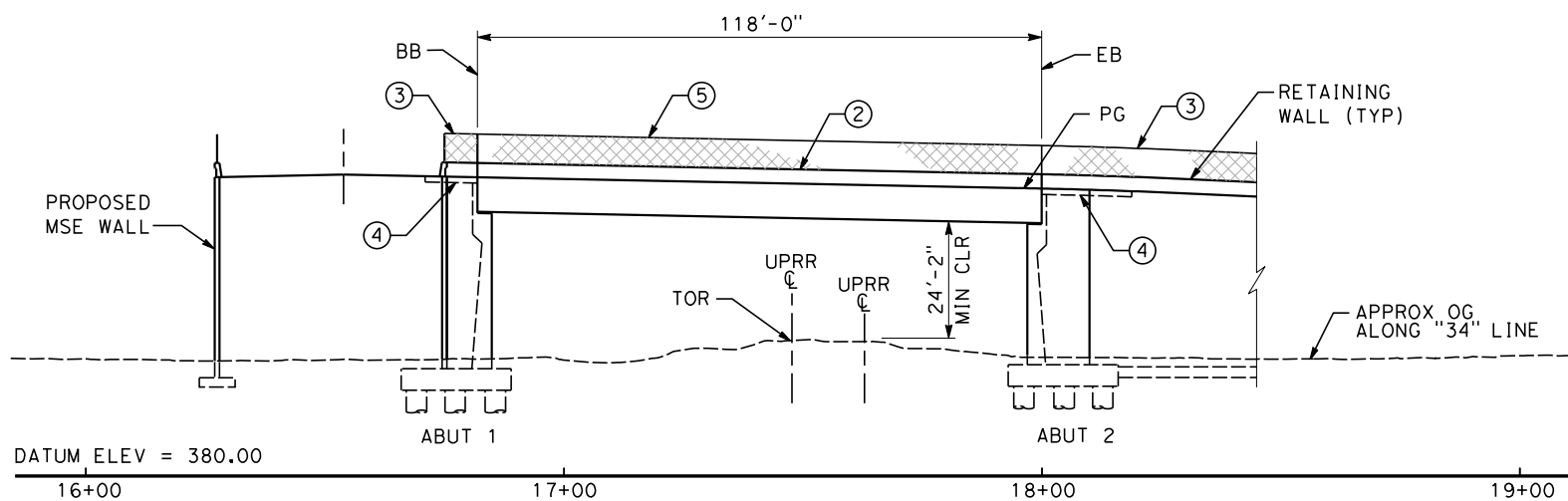


CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT GENERAL PLAN
PEDESTRIAN BRIDGE OVER F STREET

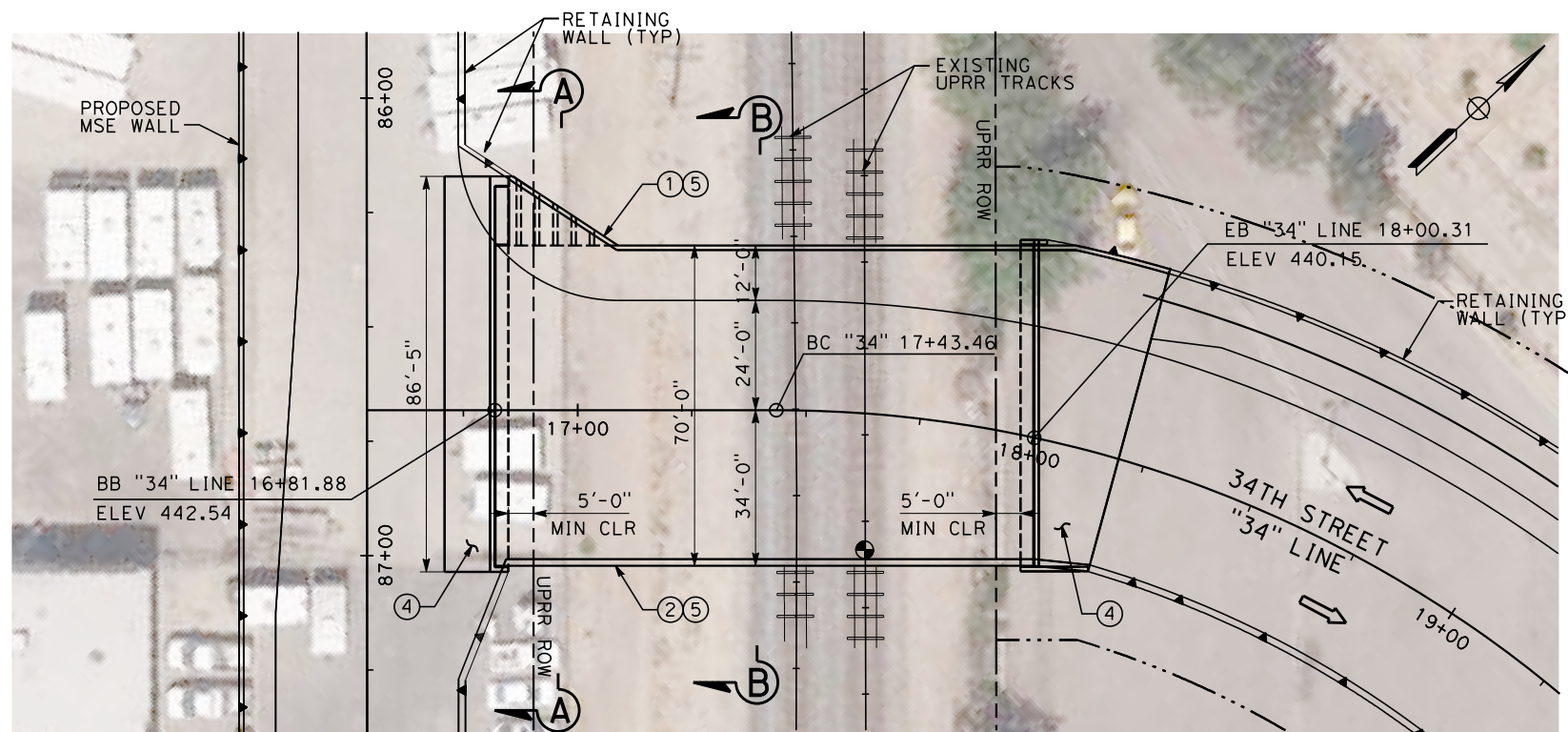
CONTRACT NO.
HSR13-44
DRAWING NO.
CV-T7017
SCALE
AS SHOWN
SHEET NO.



PROFILE GRADE
NO SCALE



ELEVATION
SCALE: 1"=20'



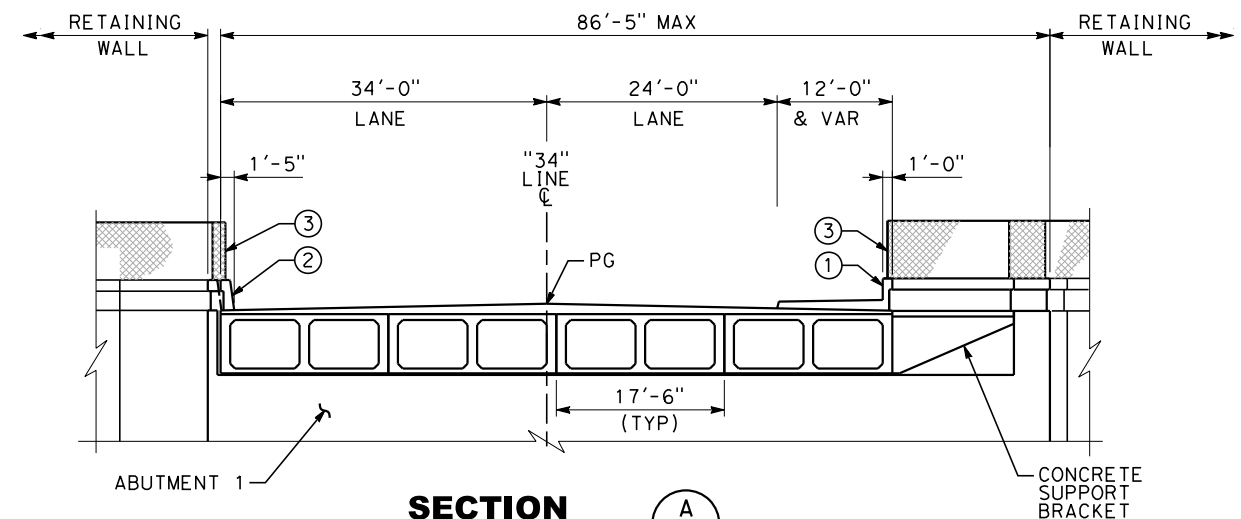
PLAN
SCALE: 1"=20'

NOTES

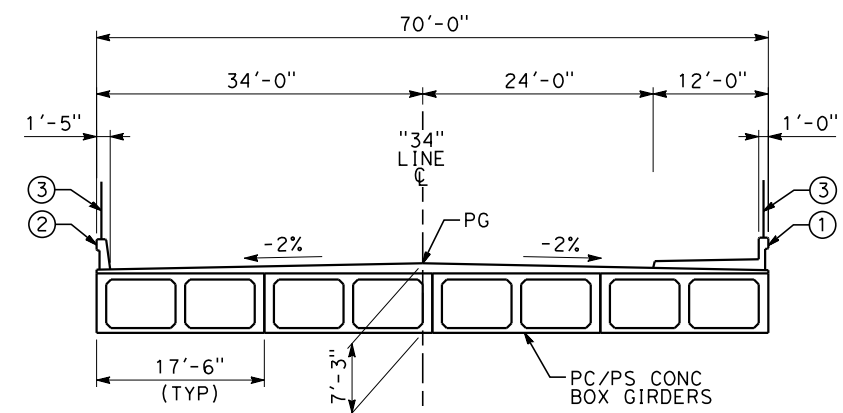
- ① CALTRANS CONCRETE BARRIER TYPE 26 (MOD)
- ② CALTRANS CONCRETE BARRIER TYPE 732 (MOD)
- ③ CALTRANS CHAIN LINK RAILING TYPE 7
- ④ CALTRANS STRUCTURE APPROACH TYPE N (30S)
- ⑤ CALTRANS CHAIN LINK RAILING TYPE 7 (MOD) MODIFIED FOR A 10'-0" MINIMUM COMBINED HEIGHT OF FENCE ON BARRIER OVER UPRR ROW

LEGEND

||||| INDICATES UPRR RAILROAD



SECTION A
SCALE 1"=10'



SECTION B
SCALE 1"=10'

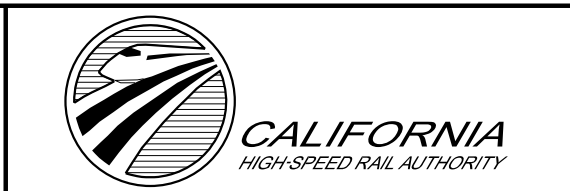
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY M. GOLJI
DRAWN BY P. ZUCCHI
CHECKED BY K. PIRBAZARI
IN CHARGE K. PIRBAZARI
DATE 10/28/2016

RECORD SET
PEPD DESIGN
SUBMISSION



CALIFORNIA HIGH-SPEED RAIL PROJECT
FRESNO TO BAKERSFIELD
LOCALLY GENERATED ALTERNATIVE
TRACK STRUCTURES / ROADWAY
DRAFT GENERAL PLAN
34TH STREET

CONTRACT NO. HSR13-44
DRAWING NO. CV-T7018
SCALE AS SHOWN
SHEET NO.

