

Bakersfield to Palmdale

TRACTION POWER
RECORD SET PEPD
DESIGN SUBMISSION
January 2021



GENERAL SHEETS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
1	TP-B0001	COVER SHEET
2	TP-B0002	GENERAL - DRAWING INDEX SHEET
3	TP-B0003	GENERAL - ABBREVIATIONS AND LEGEND
4	TP-B0004	GENERAL - ABBREVIATIONS AND LEGEND
5	TP-B0005	GENERAL - ABBREVIATIONS AND LEGEND
6	TP-B0006	GENERAL - ABBREVIATIONS AND LEGEND
7	TP-B3002	ALTERNATIVE 1,2,3,5 - TYPICAL SECTIONS -SHEET 1 OF 4
8	TP-B3003	ALTERNATIVE 1,2,3,5 - TYPICAL SECTIONS -SHEET 2 OF 4
9	TP-B3004	ALTERNATIVE 1,2,3,5 - TYPICAL SECTIONS -SHEET 3 OF 4
10	TP-B3005	ALTERNATIVE 1,2,3,5 - TYPICAL SECTIONS -SHEET 4 OF 4

TRACTION POWER LAYOUTS, TYPICAL LAYOUTS AND SITE PLANS

SHEET No.	DRAWING No.	DRAWING DESCRIPTION
11	TP-D0001	ALTERNATIVE 1 - TRACTION POWER FACILITY LAYOUT
12	TP-D0002	ALTERNATIVE 2 - TRACTION POWER FACILITY LAYOUT
13	TP-D0003	ALTERNATIVE 3 - TRACTION POWER FACILITY LAYOUT
14	TP-D0004	ALTERNATIVE 5 - TRACTION POWER FACILITY LAYOUT
15	TP-E4001	TYPICAL LAYOUT - TRACTION POWER SUPPLY STATION - WITH 2 HIGH VOLTAGE TRANSFORMERS
16	TP-E4002	TYPICAL LAYOUT - SWITCHING STATION - WITH 4 AUTOTRANSFORMERS
17	TP-E4003	TYPICAL LAYOUT - PARALLELING STATION - WITH 2 AUTOTRANSFORMERS
18	TP-F4002	ALTERNATIVE 1,2,3,5 - PROPOSED INTERCONNECT MONOLITH SUBSTATION
19	TP-F4003	ALTERNATIVE 1,2,3,5 - PROPOSED INTERCONNECT ANTELOPE VALLEY SUBSTATION
20	TP-O4001	ALTERNATIVE 1,3,5 - TRACTION POWER SITE PLAN - SUPPLY STATION D-SS-MIL 17370+00
21	TP-O4002	ALTERNATIVE 1,3,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-RED 17591+50
22	TP-O4003	ALTERNATIVE 1,3,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-NEU 17824+31
23	TP-O4004	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - SWITCHING STATION D-SWS-BEN 18103+22
24	TP-O4005	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-BEA 18302+00
25	TP-O4006	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-WOO 18575+97
26	TP-O4007	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-SR5 18806+25
27	TP-O4008	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - SUPPLY STATION D-SS-CHA 19050+00
28	TP-O4009	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-HIG 19234+50
29	TP-O4010	ALTERNATIVE 1,2,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-CAM 19449+75
30	TP-O4011	ALTERNATIVE 1,2,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-ROB 19695+00
31	TP-O4012	ALTERNATIVE 1,2,5 - TRACTION POWER SITE PLAN - SUPPLY STATION D-SS-TEH 20015+00
32	TP-O4013	ALTERNATIVE 1,2,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-HID 20290+43
33	TP-O4014	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-C12 20571+50
34	TP-O4015	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - SWITCHING STATION D-SWS-HAV 20845+75
35	TP-O4016	ALTERNATIVE 1,2,3,5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-COL 21134+76
36	TP-O4101	ALTERNATIVE 2 - TRACTION POWER SITE PLAN - SUPPLY STATION D-SS-MIL 17370+00
37	TP-O4102	ALTERNATIVE 2 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-RED 17590+72
38	TP-O4103	ALTERNATIVE 2 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-NEU 17824+31
39	TP-O4151	ALTERNATIVE 3 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-CAM 19449+75
40	TP-O4152	ALTERNATIVE 3 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-ROB 19690+00
41	TP-O4153	ALTERNATIVE 3 - TRACTION POWER SITE PLAN - SUPPLY STATION D-SS-TEH 20012+00
42	TP-O4201	ALTERNATIVE 5 - TRACTION POWER SITE PLAN - SWITCHING STATION D-SWS-HAV 20845+75
43	TP-O4202	ALTERNATIVE 5 - TRACTION POWER SITE PLAN - PARALLELING STATION D-PS-COL 21134+76

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. MEREDITH
 DRAWN BY
J. MEREDITH
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1,2,3,5
 GENERAL
 DRAWING INDEX SHEET

CONTRACT NO.
 HSR13-44
 DRAWING NO.
 TP-B0002
 SCALE
 AS SHOWN
 SHEET NO.
 2

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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
 ATC AUTOMATIC TRAIN CONTROL
 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 BURLINGTON NORTH & SANTA FE
 BOT BOTTOM
 BR BRIDGE
 BRG BEARING
 BTU BRITISH THERMAL UNIT
 BVC BEGIN VERTICAL CURVE
 BW BARBED WIRE

C

C CUT
 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
 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 CAST-IN-PLACE, CAST IRON PIPE
 CIPCP CAST IN PLACE CONCRETE PIPE
 CISS CAST-IN-STEEL-SHELL
 CJP COMPLETE JOINT PENETRATION
 CL CENTERLINE, CLASS
 CL2 CLASS 2
 CL-6 CHAIN LINK FENCE (6 FT)
 CLR CLEAR, CLEARANCE
 CM CORRUGATED METAL
 CMP CORRUGATED METAL PIPE
 CO COUNTY
 COL COLUMN
 CONC CONCRETE
 COND CONDUIT
 CONN CONNECTOR
 CONST CONSTRUCT, CONSTRUCTION
 CONT CONTINUOUS
 COORD COORDINATE
 CP CANDLEPOWER
 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
 CTB CEMENT TREATED BASE
 CTPB CEMENT TREATED PERMEABLE BASE
 CTPM CEMENT TREATED PERMEABLE MATERIAL
 CTRS CENTERS
 CVFPB CENTRAL VALLEY FLOOD PROTECTION BOARD
 CULV CULVERT
 C CENTERLINE

D

D DEPTH
 D&B DRILL AND BLAST
 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
 DS DESIGN SPEED
 DTBB DOUBLE THRIE BEAM BARRIER
 DWG DRAWING
 DWP DEPARTMENT OF WATER AND POWER
 DWY DRIVEWAY

E

E EAST, EASTING, ELECTRICAL
 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
 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 FILL, FIXED BEARING
 F & C FRAME AND COVER
 F & G FRAME AND GRATE
 FB FLOOR BEAM
 F-B FRESNO TO BAKERSFIELD
 FDN FOUNDATION
 FEBT FACING EASTBOUND TRAFFIC
 FES FLARED END SECTION
 FF FILTER FABRIC
 FG FINISHED GRADE
 FH FIRE HYDRANT
 FIG FIGURE
 FL FLOW LINE
 FLS FIRE AND LIFE SAFETY
 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, NATURAL GAS
 GA GAGE
 GALV GALVANIZED
 GP GRADING PLANE
 GR GUARD RAILING
 GSP GALVANIZED STEEL PIPE
 GTR GUTTER

H

H HEIGHT
 HR HOUR
 HD HORIZONTAL DRAIN
 HDC HIGH DESERT CORRIDOR
 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
 HV HIGH VOLTAGE
 HW HEADWALL, HIGH WATER
 HWM HIGH WATER MARK
 HWY HIGHWAY

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 ALTERNATIVE 1,2,3,5
 GENERAL
 ABBREVIATIONS AND LEGEND
 SHEET 1 OF 4

CONTRACT NO.
HSR13-44
 DRAWING NO.
TP-B0003
 SCALE
AS SHOWN
 SHEET NO.
3

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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
LGA LOCALLY GENERATED ALTERNATIVE
LID LOW IMPACT DEVELOPMENT BEST MANAGEMENT PRACTICES
LMF LIGHT MAINTENANCE FACILITY
LN LANE
LOC LOCATION
LOL LAYOUT LINE
LONG LONGITUDE
LONGIT LONGITUDINAL
LS LENGTH OF SPIRAL
LC LENGTH OF CURVE
LT LEFT
LV LOW VOLTAGE

M

MAINT MAINTENANCE
MAX MAXIMUM
MB METAL BEAM
MBB METAL BEAM BARRIER
MBGR METAL BEAM GUARD RAILING
MED MEDIAN
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
MOWF MAINTENANCE OF WAY FACILITY
MOWS MAINTENANCE OF WAY SIDING
MP METAL PLATE

M CONTINUED

MPGR METAL PLATE GUARD RAILING
MPH MILES PER HOUR
MR MOVEMENT RATING
MSE MECHANICALLY STABILIZED EARTH
MTL MATERIAL
MSS MOVING SCAFFOLDING SYSTEM

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
OSS ONSITE STORMWATER DETENTION

P

P PAGE
PAP PERFORATED ALUMINUM PIPE
PB PULL BOX, PALMDALE TO BURBANK
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
PG&E PACIFIC GAS AND ELECTRIC
PI POINT OF INTERSECTION
PJP PARTIAL JOINT PENETRATION
PL PLATE
P/L PROPERTY LINE
PM POST MILE, TIME FROM NOON TO MIDNIGHT
PN PAVING NOTCH

P CONTINUED

POB POINT OF BEGINNING
POC POINT OF HORIZONTAL CURVE
POE POINT OF ENDING
POT POINT OF TANGENT
POVC POINT OF VERTICAL CURVE
PP PIPE PILE, PLASTIC PIPE, POWER POLE
PPEF PROPOSED PERMANENT ENVIRONMENTAL FOOTPRINT
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, PARALLELING STATION
PSP PERFORATED STEEL PIPE
PT POINT OF TANGENCY
PTEF PROPOSED TEMPORARY ENVIRONMENTAL FOOTPRINT
PTSW POINT OF TRACK SWITCH
PVC POLYVINYL CHLORIDE
PVI POINT OF VERTICAL INTERSECTION
PVMT PAVEMENT
PVP MAINTENANCE VEHICLE PULLOUT

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
RM ROAD-MIXED
RP RADIUS POINT, REFERENCE POINT
RR RAILROAD
RSP ROCK SLOPE PROTECTION
RT RIGHT
RTE ROUTE
RW REDWOOD, RETAINING WALL

R CONTINUED

R/W RIGHT OF WAY
RWY RAILWAY

S

S SOUTH, SUPPLEMENT, SLOPE, STATION LINE, SEWER
SAE STRUCTURE APPROACH EMBANKMENT
SALV SALVAGE
SAPP STRUCTURAL ALUMINUM PLATE PIPE
SB SOUTHBOUND
SC SPIRAL TO CURVE
SCE SOUTHERN CALIFORNIA EDISON
SCSP SLOTTED CORRUGATED STEEL PIPE
SD STORM DRAIN
SEC SECOND
SECT SECTION
SEP SEPARATION
SG SUBGRADE
SHLD SHOULDER
SHT SHEET
SIM SIMILAR
SM SELECTED MATERIAL
SPEC SPECIAL, SPECIFICATIONS
SPP SLOTTED PLASTIC PIPE
SS SLOPE STAKE, SPIRAL TO SPIRAL, SUPPLY STATION
SSBM STRAP AND SADDLE BRACKET METHOD
SSD STRUCTURAL SECTION DRAIN
SSPA STRUCTURAL STEEL PLATE ARCH
SSPP STRUCTURAL STEEL PLATE PIPE
SSPPA STRUCTURAL STEEL PLATE PIPE ARCH
SSRP STEEL SPIRAL RIB PIPE
SR STATE ROUTE
ST STREET, SPIRAL TO TANGENT
STA STATION
STBB SINGLE THRIE BEAM BARRIER
STD STANDARD
STR STRUCTURE
SRS STAND ALONE RADIO SITE
SURF SURFACING
SW SIDEWALK, SOUND WALL
SWR SEWER
SWS SWITCHING STATION
SYM SYMMETRICAL
S4S SURFACE 4 SIDES
SJVR SAN JOAQUIN VALLEY RAILROAD

Table with 5 columns: REV, DATE, BY, CHK, APP, DESCRIPTION. Includes a grid for revision tracking.

DESIGNED BY J. MEREDITH
DRAWN BY J. MEREDITH
CHECKED BY S. LANDOLT
IN CHARGE G. CAMPBELL
DATE 01/29/2021

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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 1,2,3,5
GENERAL
ABBREVIATIONS AND LEGEND
SHEET 2 OF 4

CONTRACT NO. HSR13-44
DRAWING NO. TP-B0004
SCALE AS SHOWN
SHEET NO. 4

Projects\701206.00_CADD\Sheet Files\TP\BP-TP-B0005
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 1/20/2021
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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
 TF TOP OF FOOTING
 TG TOP OF GRADE
 TM TECHNICAL MEMORANDUM
 TOR TOP OF RAIL
 TOT TOTAL
 TP TRACTION POWER, TUNNEL PORTAL
 TPB TREATED PERMEABLE BASE
 TPF TRACTION POWER FACILITY
 TPM TREATED PERMEABLE MATERIAL
 TPS TRACTION POWER SUPPLY SYSTEM
 TPSS TRACTION POWER SUBSTATION
 TRANS TRANSITION, TRANSVERSE
 TS TRAFFIC SIGNAL, TUBULAR STEEL,
 TANGENT TO SPIRAL
 TW TOP OF WALL
 TYP TYPICAL

U

UC UNDERCROSSING
 UD UNDERDRAIN
 UON UNLESS OTHERWISE NOTED
 UP UNDERPASS
 UPRR UNION PACIFIC RAILROAD
 USFWS UNITED STATES FISH AND WILDLIFE
 SERVICE

V

V VALVE, DESIGN SPEED
 VAR VARIABLE
 VC VERTICAL CURVE
 VCP VITRIFIED CLAY PIPE
 VERT VERTICAL
 VIA VIADUCT
 VOL VOLUME

W

W WEST, WIDTH, WATER
 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

YR YEAR
 YRS YEARS

Z

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TYLIN

INTERNATIONAL




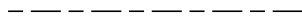
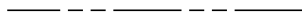
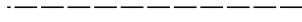
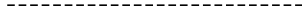













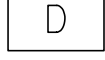




CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1,2,3,5
 GENERAL
 ABBREVIATIONS AND LEGEND
 SHEET 3 OF 4




CONTRACT NO.	HSR13-44
DRAWING NO.	TP-B0005
SCALE	AS SHOWN
SHEET NO.	5

LEGEND:

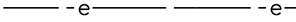


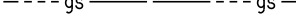

PLAN

-  NORTH ARROW
-  VIADUCT
-  TUNNEL
-  PROPOSED RIGHT OF WAY
-  EXIST RIGHT OF WAY
-  LIMITS OF EXCAVATION (CUT)
-  LIMITS OF EMBANKMENT (FILL)
-  FAULT ZONE
-  EXIST RETAINING WALL
-  PPEF
-  PROPOSED COLUMN
-  PROPOSED FENCE
-  PROPOSED PHASE BREAK
-  PROPOSED RETAINING WALL
-  PROPOSED TUNNEL
-  PTEF
-  PROPOSED TURNOUT
-  SRS
STANDALONE RADIO SITE
-  A
TRAIN CONTROL SYSTEM SITE A
-  B
TRAIN CONTROL SYSTEM SITE B
-  D
TRAIN CONTROL SYSTEM SITE D
-  E
TRAIN CONTROL SYSTEM SITE E
-  TRACK CROSSING PANEL

PLAN

-  SS
SUPPLY STATION
-  SWS
SWITCHING STATION
-  PS
PARALLELING STATION

UTILITIES

-  -e- EXISTING ELECTRICAL TRANSMISSION
-  EXISTING ELECTRICAL TRANSMISSION TOWER
-  -E- PROPOSED TRACTION POWER SUPPLY LINE
-  -gs- EXISTING GAS LINE
-  -sd- EXISTING STORM DRAIN

GENERAL NOTES

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1/20/2021

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. MEREDITH
DRAWN BY
J. MEREDITH
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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

ALTERNATIVE 1,2,3,5
GENERAL
ABBREVIATIONS AND LEGEND
SHEET 4 OF 4

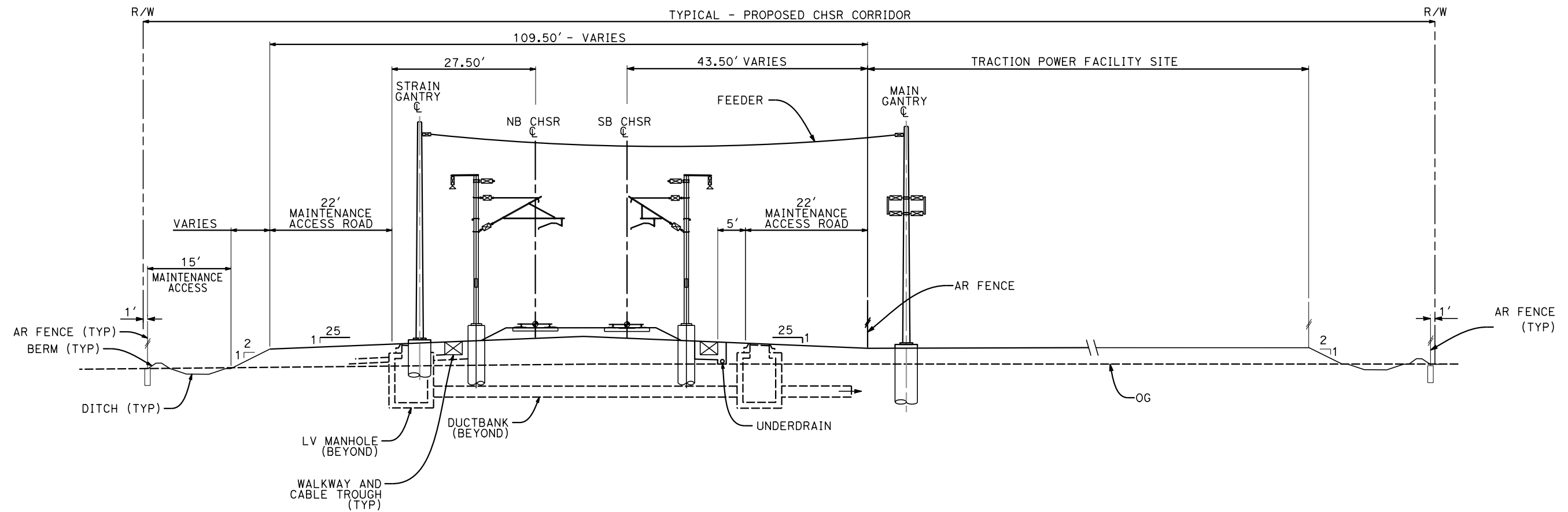
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SHEET NO.
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NOTES:

1. FOR STRUCTURAL DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
2. TRACKFORM SHOWN IS INDICATIVE
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES
4. SECTION IS REPRESENTATIVE; DOES NOT ACCURATELY PORTRAY TRACK PROFILE RELATIVE TO EXISTING GROUND.

SECTION B

D-PS-COL 21134+76 ALT 1,2,3,5 SHEET BP-TP-04016
 D-PS-COL 21134+76 ALT 5 SHEET BP-TP-04202



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G. CAMPBELL
 DATE
01/29/2021

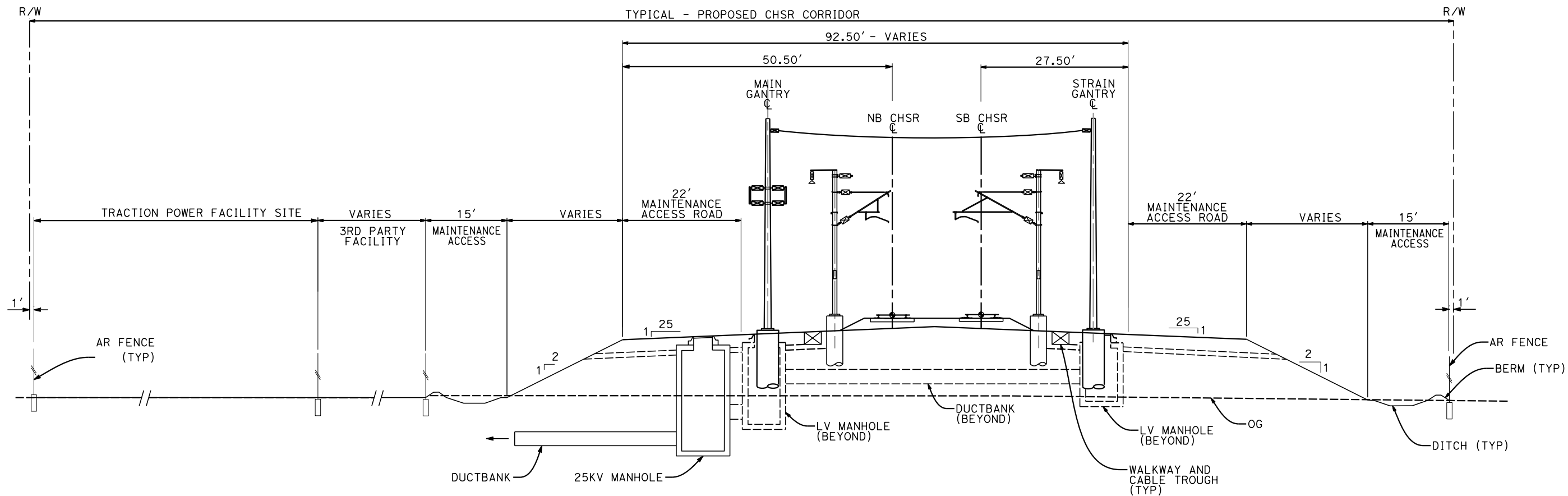
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 ALTERNATIVE 1,2,3,5
 GENERAL
 TYPICAL SECTIONS
 SHEET 1 OF 4

CONTRACT NO.
HSR13-44
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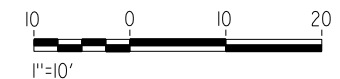


SECTION C

NOTES:

1. FOR STRUCTURAL DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
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- D-PS-RED 17591+50 ALT 1,3,5 SHEET BP-TP-04002
- D-PS-NEU 17824+31 ALT 1,3,5 SHEET BP-TP-04003
- D-PS-WOO 18575+97 ALT 1,2,3,5 SHEET BP-TP-04006
- D-SS-CHA 19050+00 ALT 1,2,3,5 SHEET BP-TP-04008
- D-PS-HIG 19234+50 ALT 1,2,3,5 SHEET BP-TP-04009
- D-PS-CAM 19449+75 ALT 1,2,5 SHEET BP-TP-04010
- D-PS-ROB 19695+00 ALT 1,2,5 SHEET BP-TP-04011
- D-SS-TEH 20015+00 ALT 1,2,5 SHEET BP-TP-04012
- D-PS-HID 20290+43 ALT 1,2,5 SHEET BP-TP-04013
- D-PS-C12 20571+50 ALT 1,2,3,5 SHEET BP-TP-04014
- D-PS-NEU 17824+31 ALT 2 SHEET BP-TP-04103
- D-PS-ROB 19690+00 ALT 3 SHEET BP-TP-04152
- D-SS-TEH 20012+00 ALT 3 SHEET BP-TP-04153



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G. CAMPBELL
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1,2,3,5
 GENERAL
 TYPICAL SECTIONS
 SHEET 2 OF 4

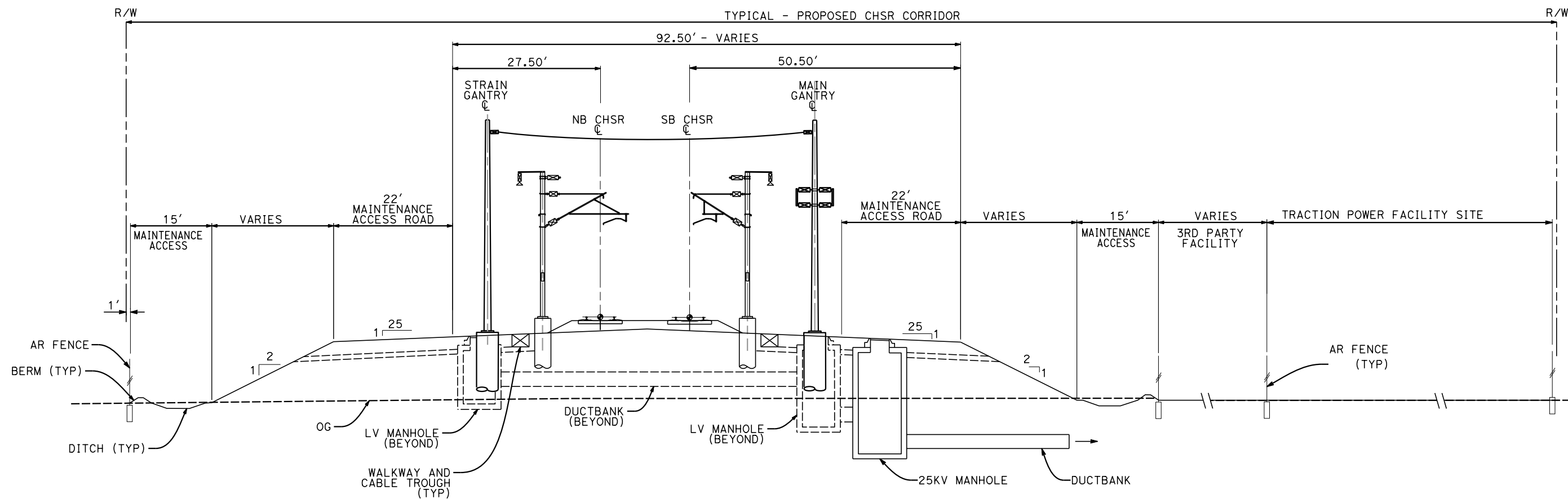
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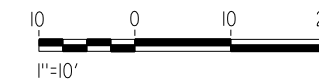


NOTES:

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SECTION D

D-PS-BEA 18302+00 ALT 1,2,3,5 SHEET BP-TP-04005
 D-PS-SR5 18806+25 ALT 1,2,3,5 SHEET BP-TP-04007
 D-SWS-HAV 20845+75 ALT 1,2,3,5 SHEET BP-TP-04015
 D-PS-RED 17590+72 ALT 2 SHEET BP-TP-04102
 D-PS-CAM 19449+75 ALT 3 SHEET BP-TP-04151
 D-SWS-HAV 20845+75 ALT 5 SHEET BP-TP-04201



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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 ALTERNATIVE 1,2,3,5
 GENERAL
 TYPICAL SECTIONS
 SHEET 3 OF 4

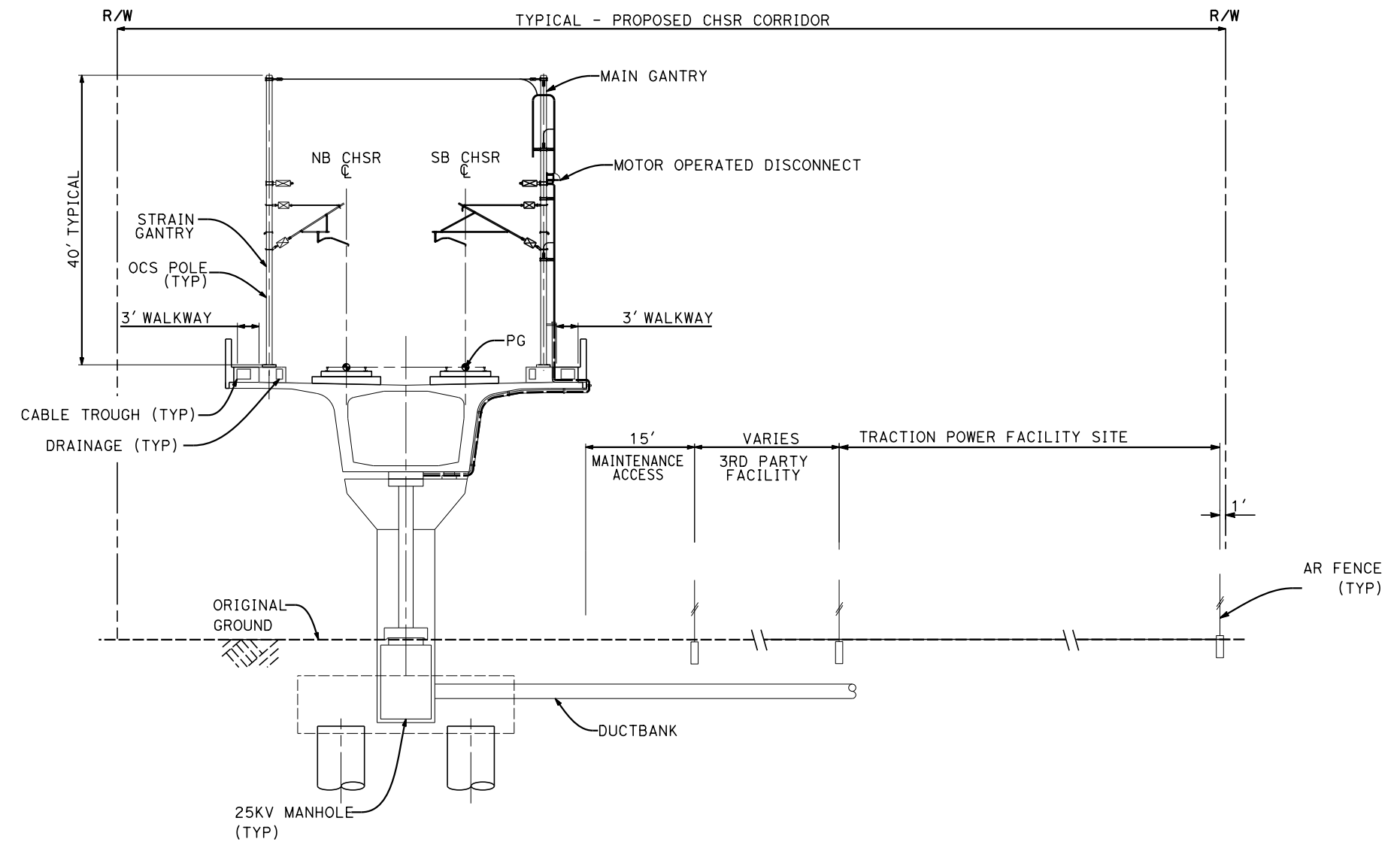
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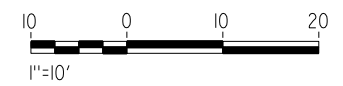


SECTION E

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 D-SWS-BEN 18103+22 ALT 1,2,3,5 SHEET BP-TP-04004
 D-SS-MIL 17370+00 ALT 2 SHEET BP-TP-04101

NOTES:

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G. CAMPBELL
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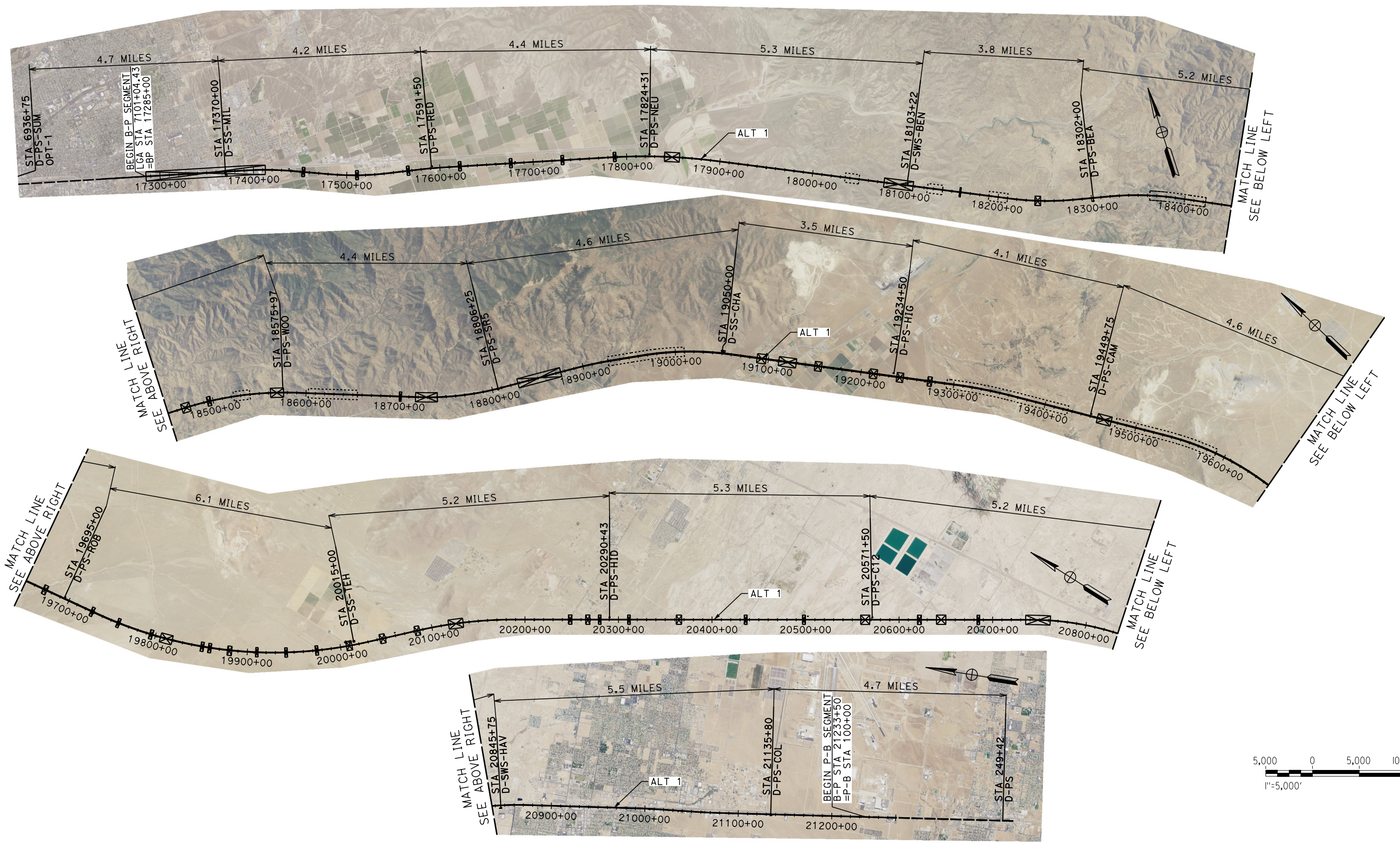
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 ALTERNATIVE 1,2,3,5
 GENERAL
 TYPICAL SECTIONS
 SHEET 4 OF 4

CONTRACT NO.
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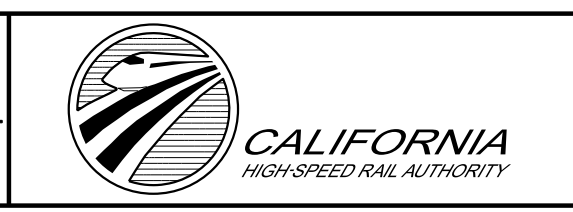


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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1
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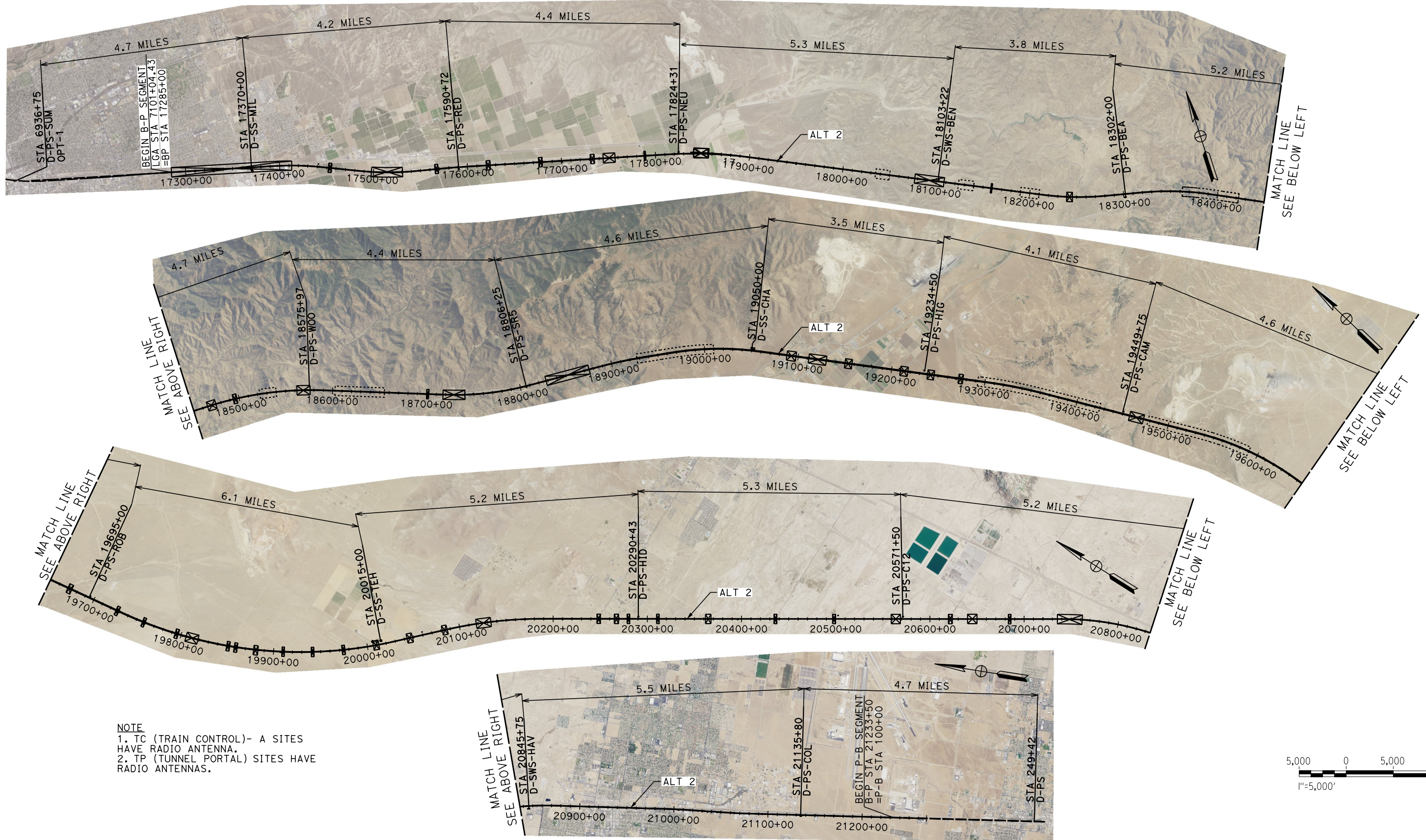
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NOTE
 1. TC (TRAIN CONTROL)- A SITES HAVE RADIO ANTENNA.
 2. TP (TUNNEL PORTAL) SITES HAVE RADIO ANTENNAS.

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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 2
 TRACTION POWER FACILITY LAYOUT

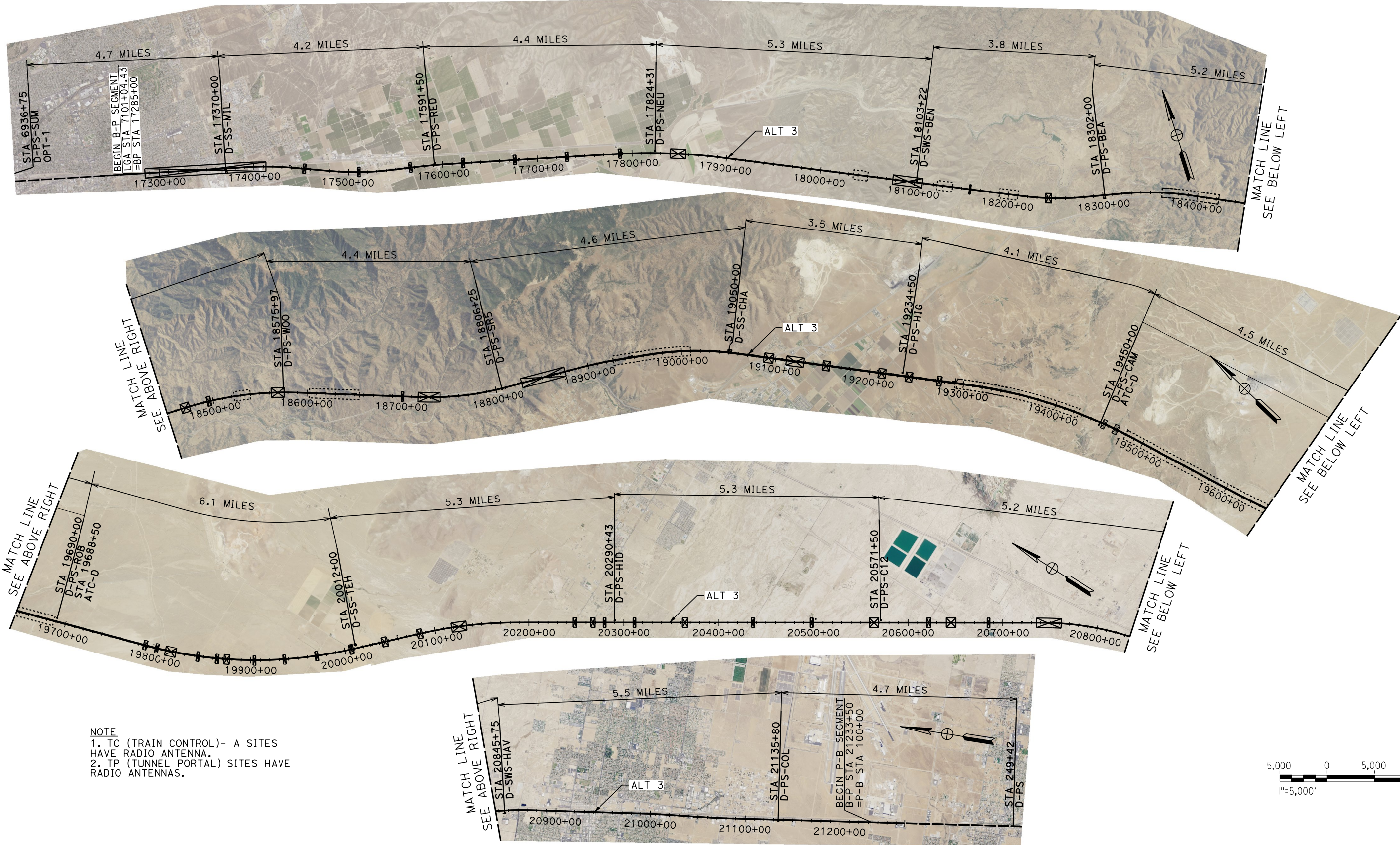
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NOTE
 1. TC (TRAIN CONTROL)- A SITES HAVE RADIO ANTENNA.
 2. TP (TUNNEL PORTAL) SITES HAVE RADIO ANTENNAS.

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G. CAMPBELL
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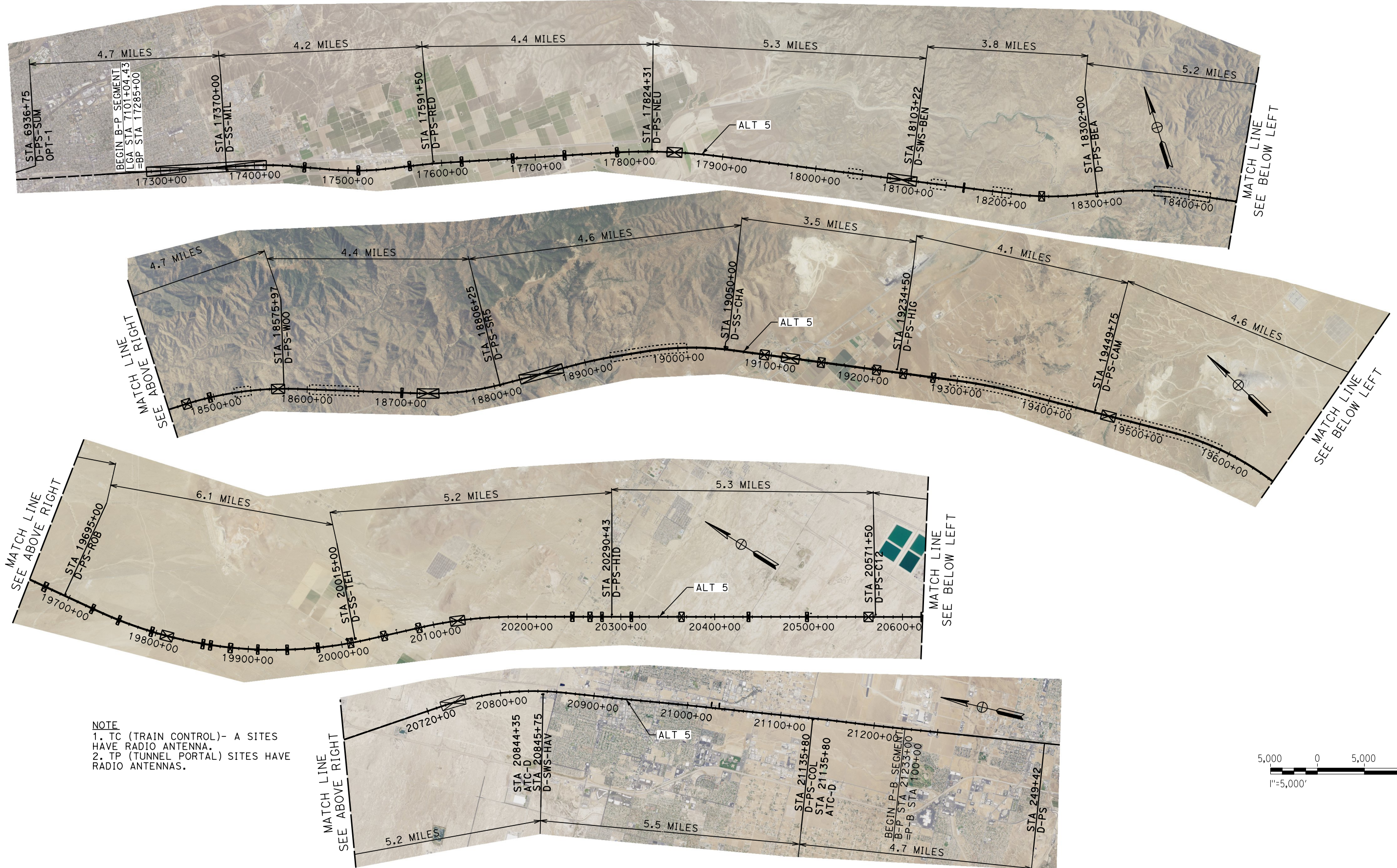
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 3
 TRACTION POWER FACILITY LAYOUT

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 DRAWING NO.
TP-D0003
 SCALE
AS SHOWN
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13

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NOTE
 1. TC (TRAIN CONTROL)- A SITES HAVE RADIO ANTENNA.
 2. TP (TUNNEL PORTAL) SITES HAVE RADIO ANTENNAS.

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J. MEREDITH
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 5
 TRACTION POWER FACILITY LAYOUT

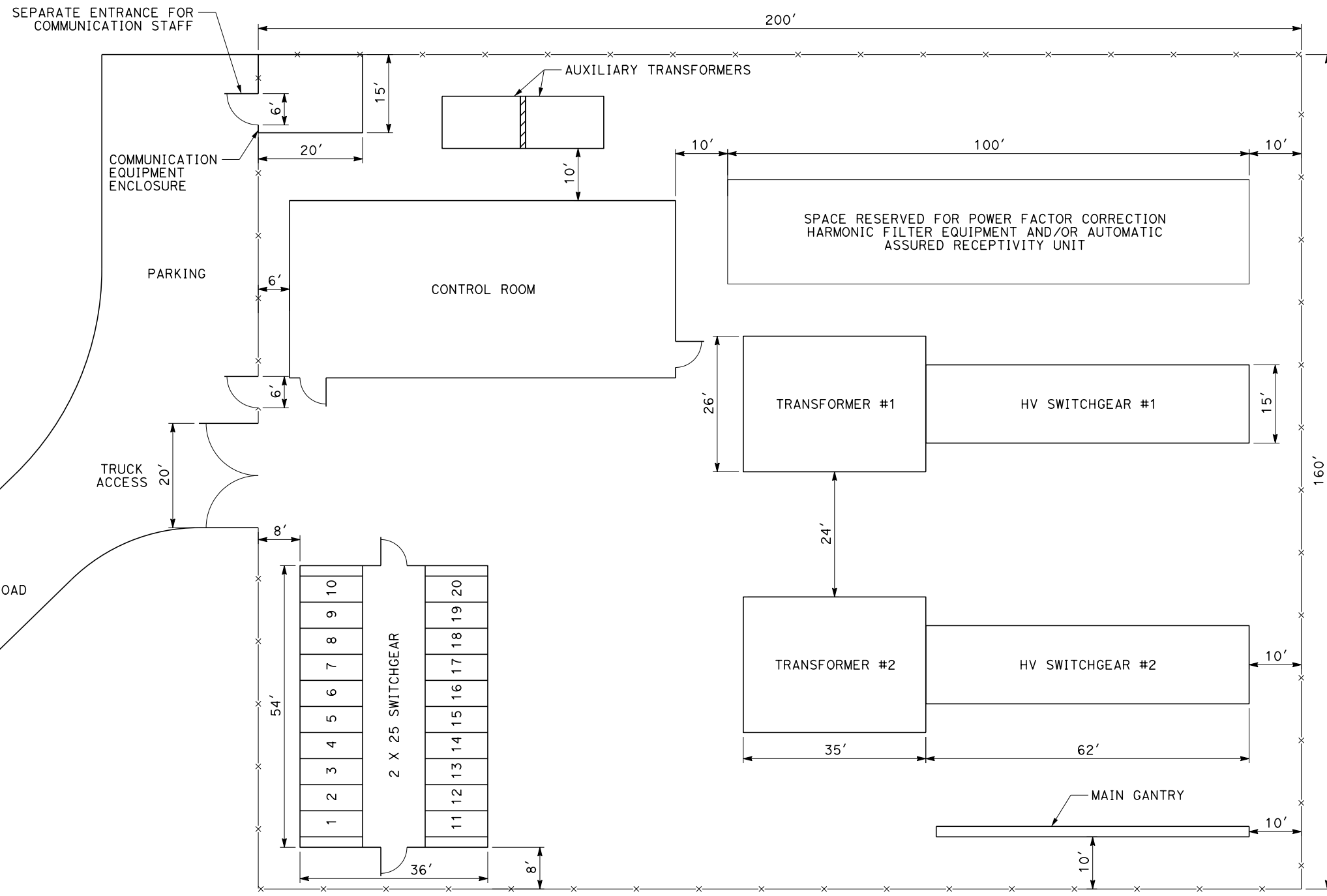
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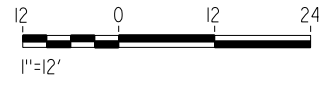
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NOTES:

1. THIS IS A TYPICAL LAYOUT AND THE ORIENTATION OF THE STATION WITH RESPECT TO TRACK, LOCATION OF UTILITY SUPPLY CIRCUITS, EQUIPMENT, AND ROAD ACCESS TO BE DETERMINED ON A SITE-BY-SITE BASIS.
2. THE MAIN GANTRY POSITION SHALL BE PARALLEL AND ADJACENT TO THE TRACK.
3. THERE WILL BE A STRAIN GANTRY LOCATED WITHIN THE RAILROAD R/W, PARALLEL TO AND ON THE OPPOSITE SIDE OF THE TRACK WITH FOOTPRINTS EXACTLY EQUAL TO THAT OF THE MAIN GANTRY.
4. IF THE TPF IS LOCATED AWAY FROM THE TRACK, THE MAIN GANTRY WILL BE LOCATED WITHIN THE RAILROAD R/W, PARALLEL TO AND TOWARDS TPF SIDE OF THE TRACK. IN THIS CASE AN ADDITIONAL 40' WIDE STRIP OF LAND WILL BE REQUIRED FROM THE TPF TO THE RAILROAD R/W FOR LAYING UNDERGROUND DUCT BANKS AND MANHOLES.
5. THE COMMUNICATION EQUIPMENT ROOM SHALL HOUSE COMMUNICATION INTERFACE EQUIPMENT FOR SCADA SYSTEM AND OTHER WAYSIDE COMMUNICATION EQUIPMENT.
6. THE GANTRIES SHALL BE 40' HIGH.
7. THIS LAYOUT IS PER TM 3.1.1.3-A AND SHOWN HERE FOR REFERENCE AND COMPLETENESS



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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
TYPICAL LAYOUT
TRACTION POWER SUPPLY STATION
WITH 2 HIGH VOLTAGE TRANSFORMERS

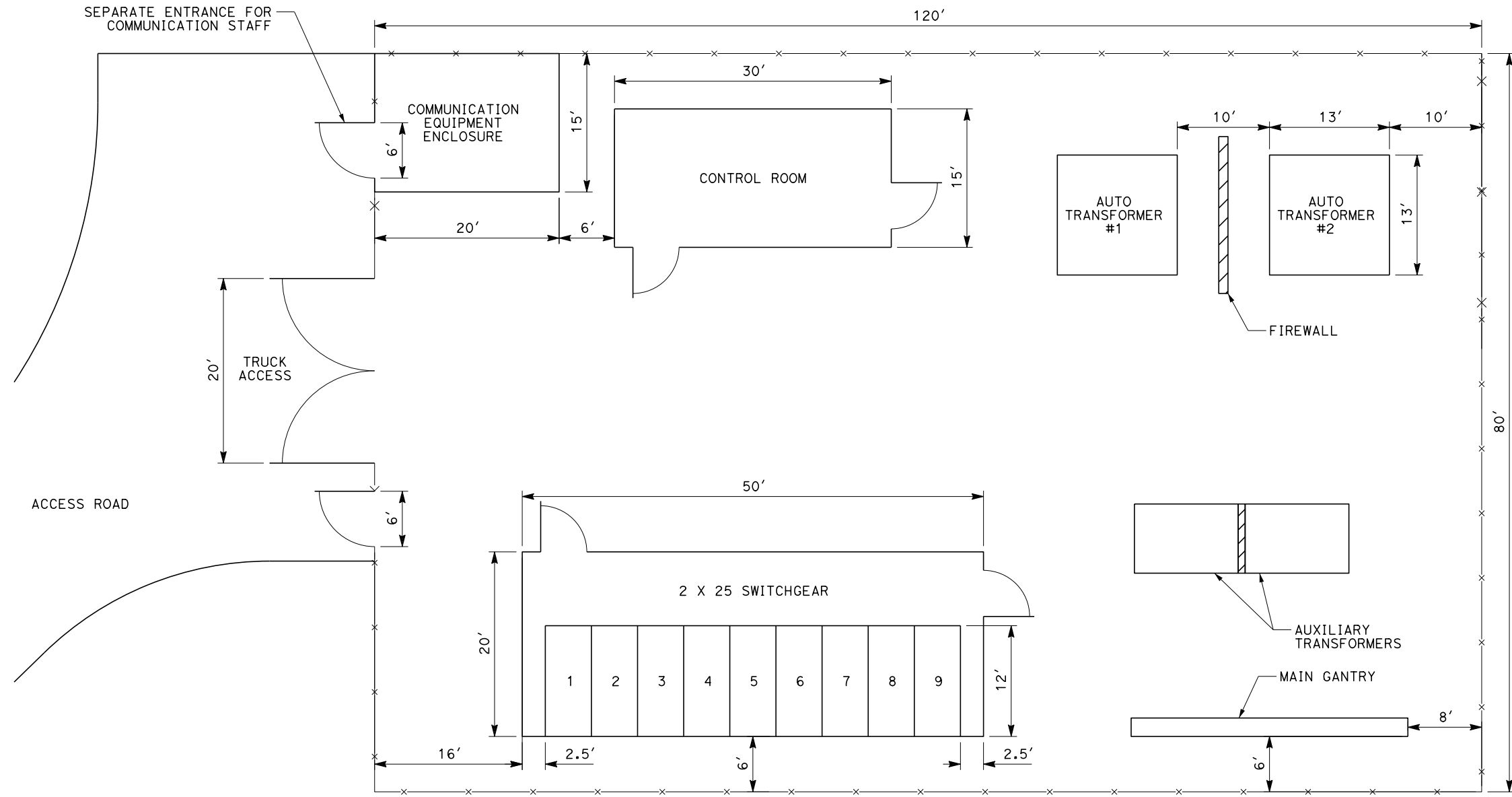
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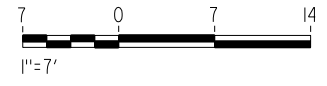
1/20/2021

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NOTES:

1. THIS IS A TYPICAL LAYOUT AND THE ORIENTATION OF THE STATION WITH RESPECT TO TRACK, LOCATION OF UTILITY SUPPLY CIRCUITS, EQUIPMENT, AND ROAD ACCESS TO BE DETERMINED ON A SITE-BY-SITE BASIS.
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5. THE COMMUNICATION EQUIPMENT ROOM SHALL HOUSE COMMUNICATION INTERFACE EQUIPMENT FOR SCADA SYSTEM AND OTHER WAYSIDE COMMUNICATION EQUIPMENT.
6. THE GANTRIES SHALL BE 40' HIGH.
7. THIS LAYOUT IS PER TM 3.1.1.3-D AND SHOWN HERE FOR REFERENCE AND COMPLETENESS



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

ALTERNATIVE 1,2,3,5
TYPICAL LAYOUT
PARALLELING STATION
WITH 2 AUTOTRANSFORMERS

CONTRACT NO.
HSR13-44

DRAWING NO.
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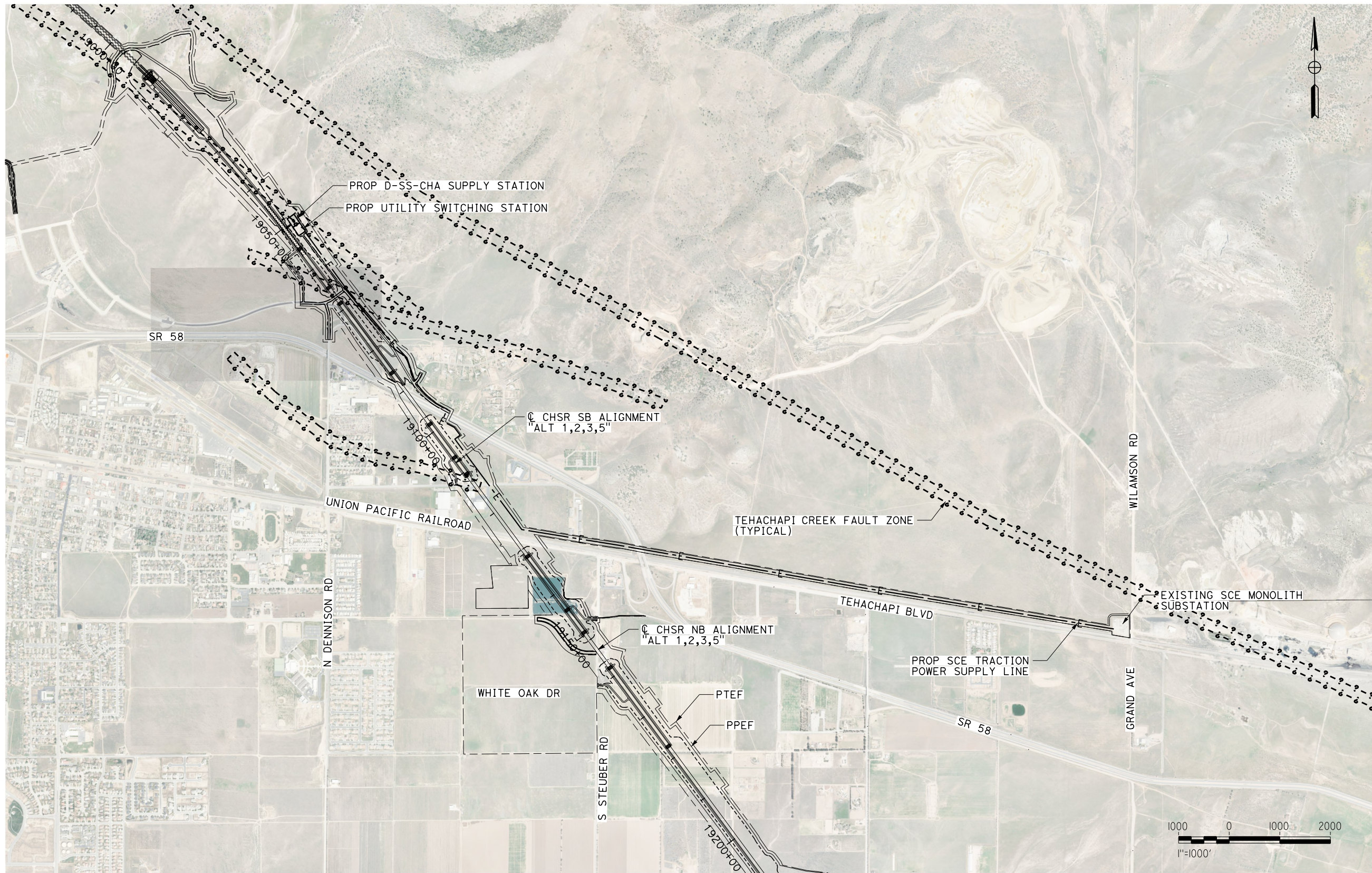
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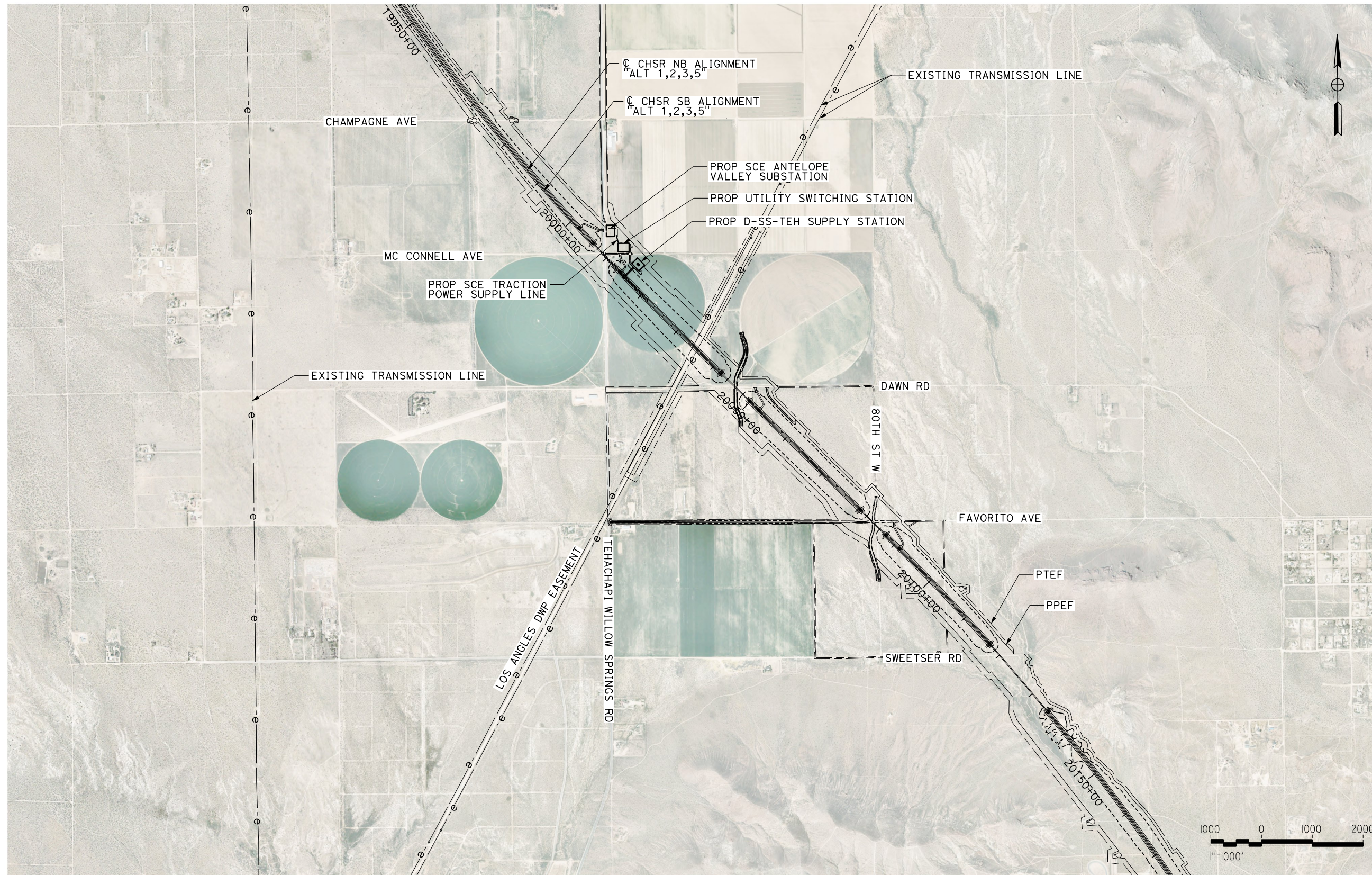
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
PROPOSED INTERCONNECT MONOLITH SUBSTATION

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DRAWING NO.
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18



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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
PROPOSED INTERCONNECT ANTELOPE VALLEY SUBSTATION

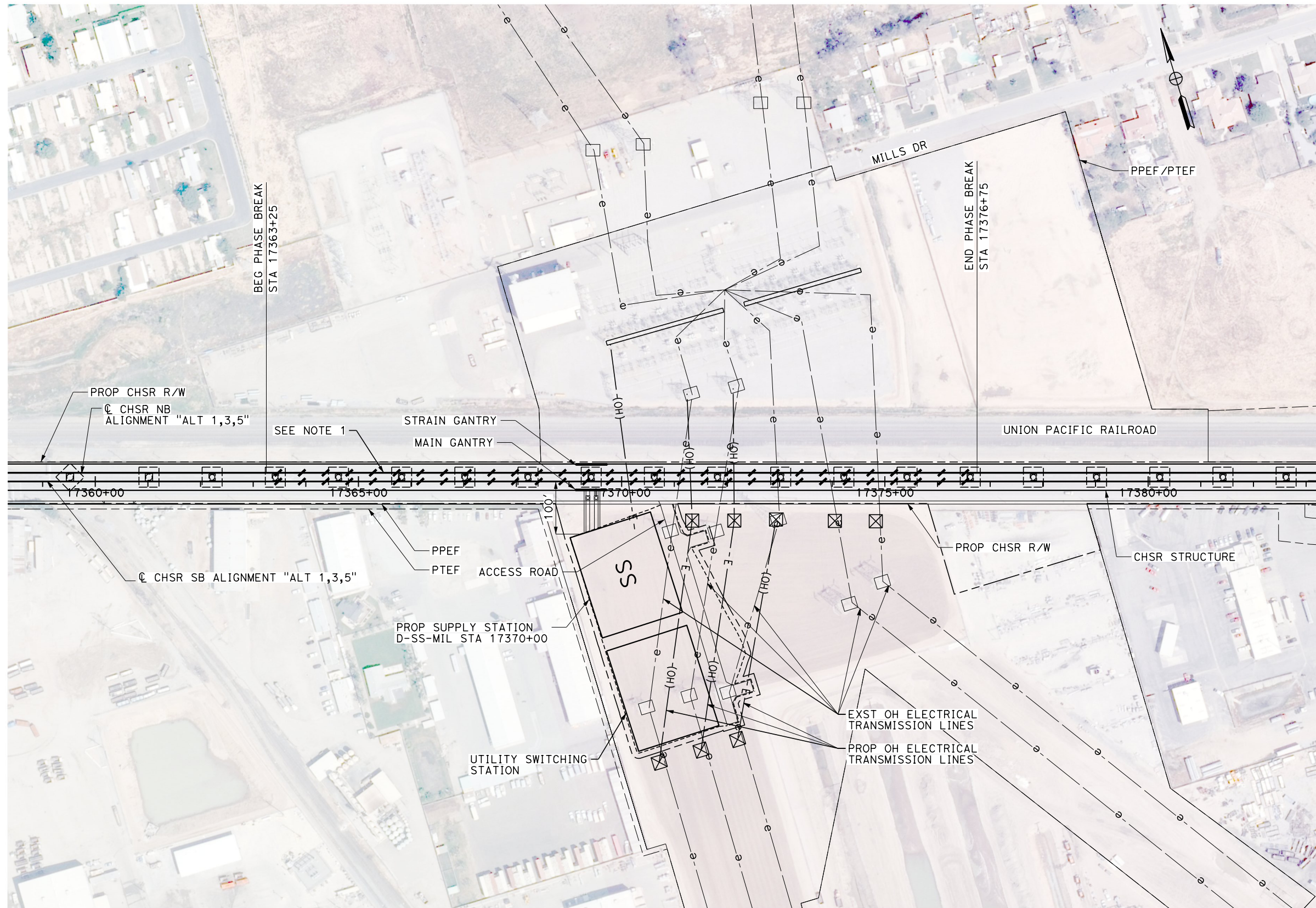
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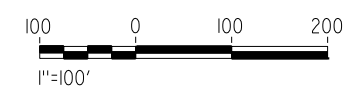
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NOTES
 1. PROPOSED TRACK GRADE THROUGH PHASE BREAK IS 0.60%.



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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 ALTERNATIVE 1,3,5
 TRACTION POWER SITE PLAN
 SUPPLY STATION D-SS-MIL 17370+00

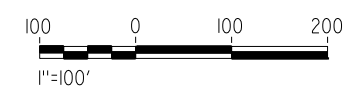
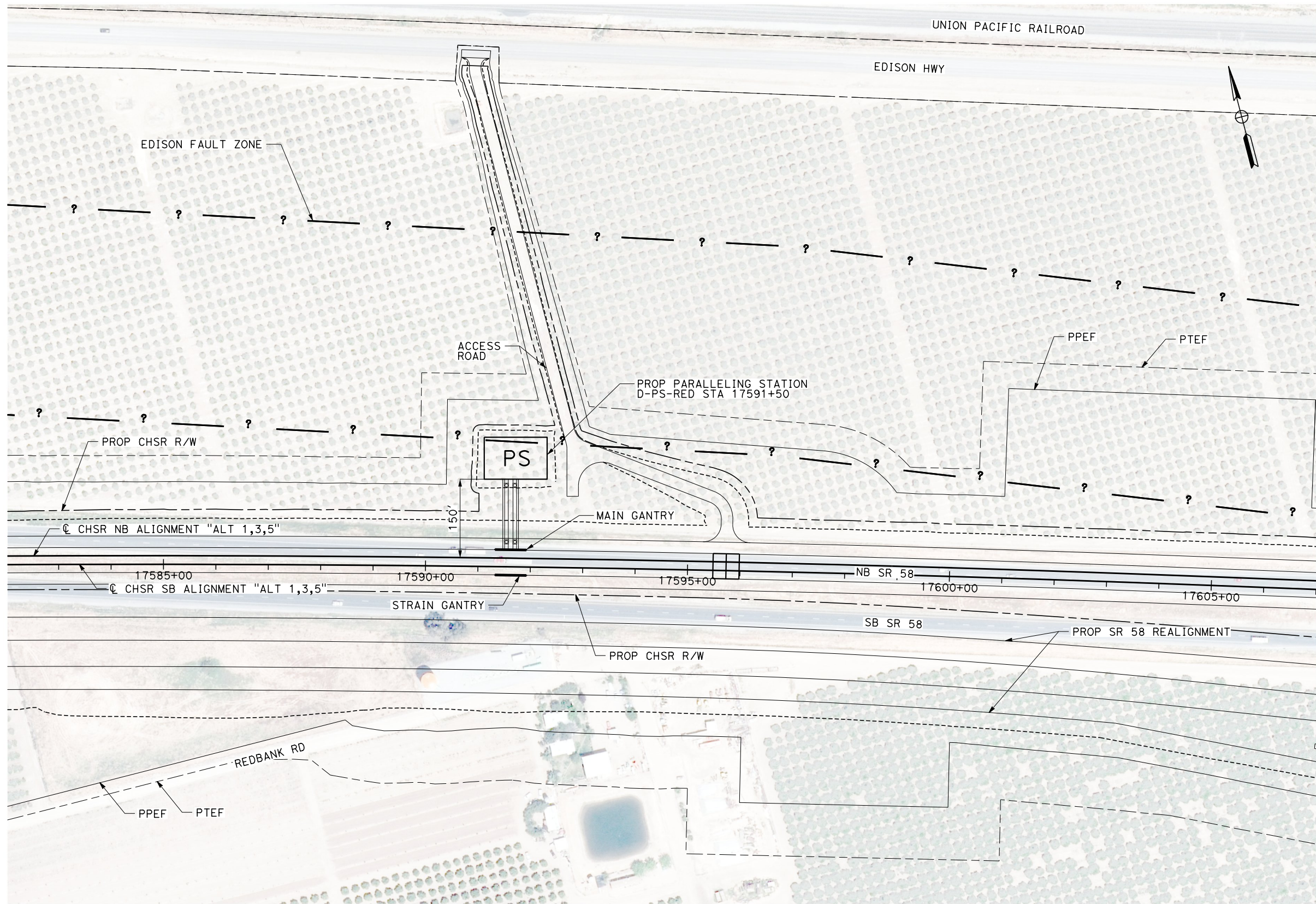
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TP-04001
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CONSTRUCTION**



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

ALTERNATIVE 1,3,5
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-RED 17591+50

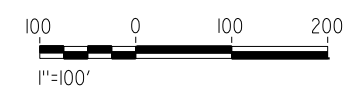
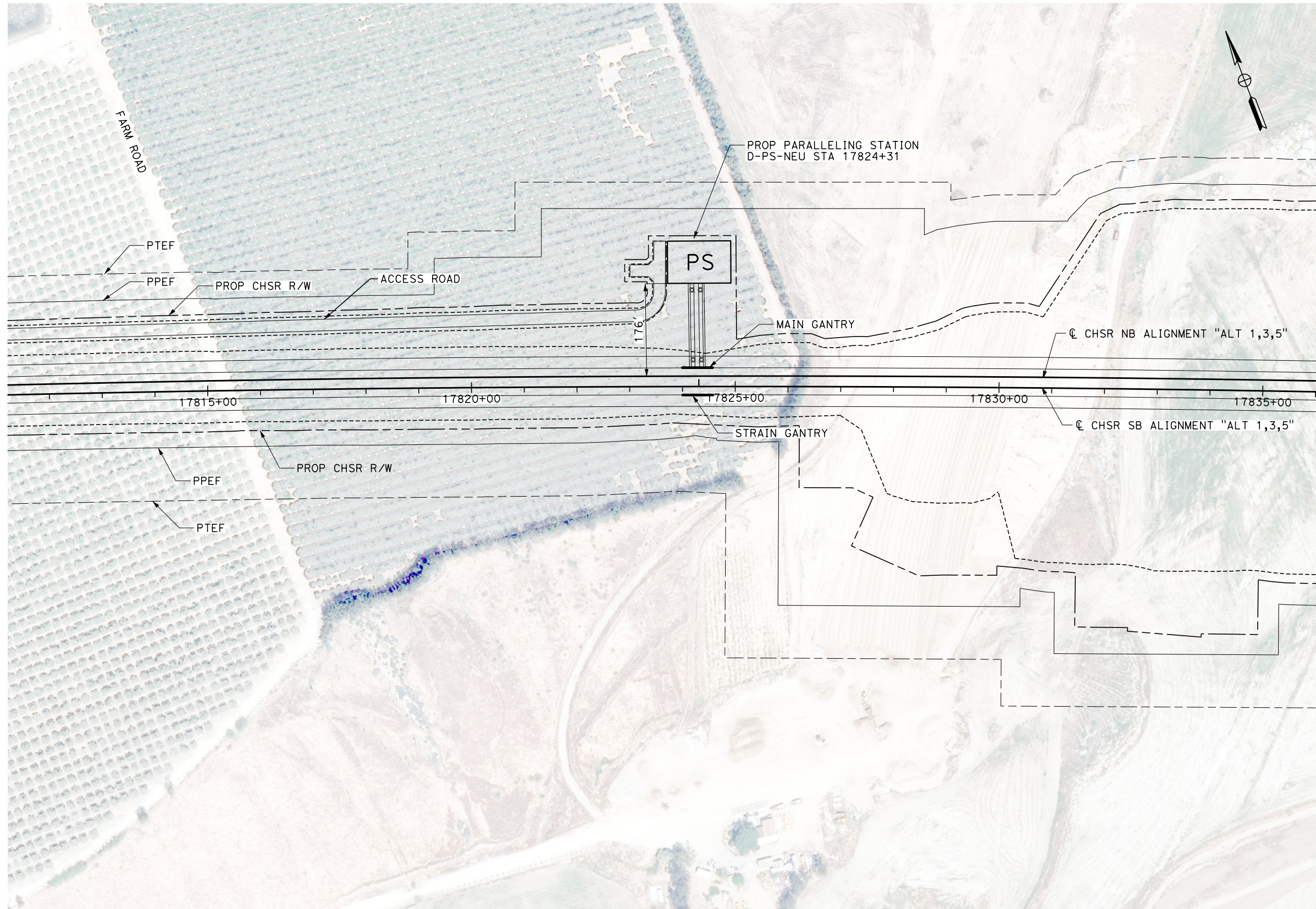
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CONSTRUCTION**



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

ALTERNATIVE 1,3,5
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-NEU 17824+31

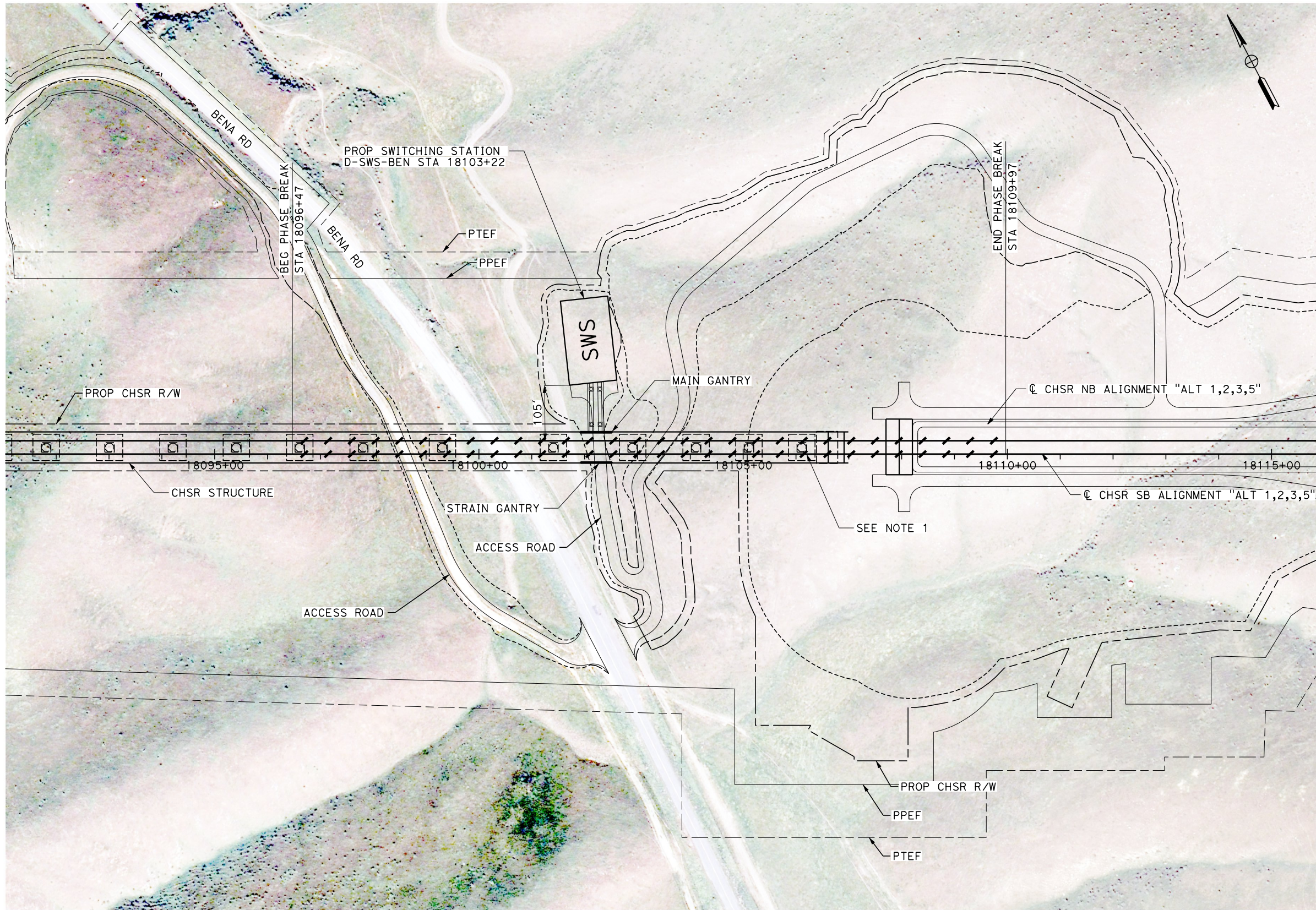
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1/20/2021

jcs_user_17609



NOTES
 1. PROPOSED TRACK GRADE THROUGH PHASE BREAK IS 0.60%.



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. MEREDITH
 DRAWN BY
J. MEREDITH
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

**RECORD SET
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 ALTERNATIVE 1,2,3,5
 TRACTION POWER SITE PLAN
 SWITCHING STATION D-SWS-BEN 18103+22

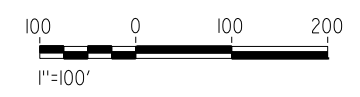
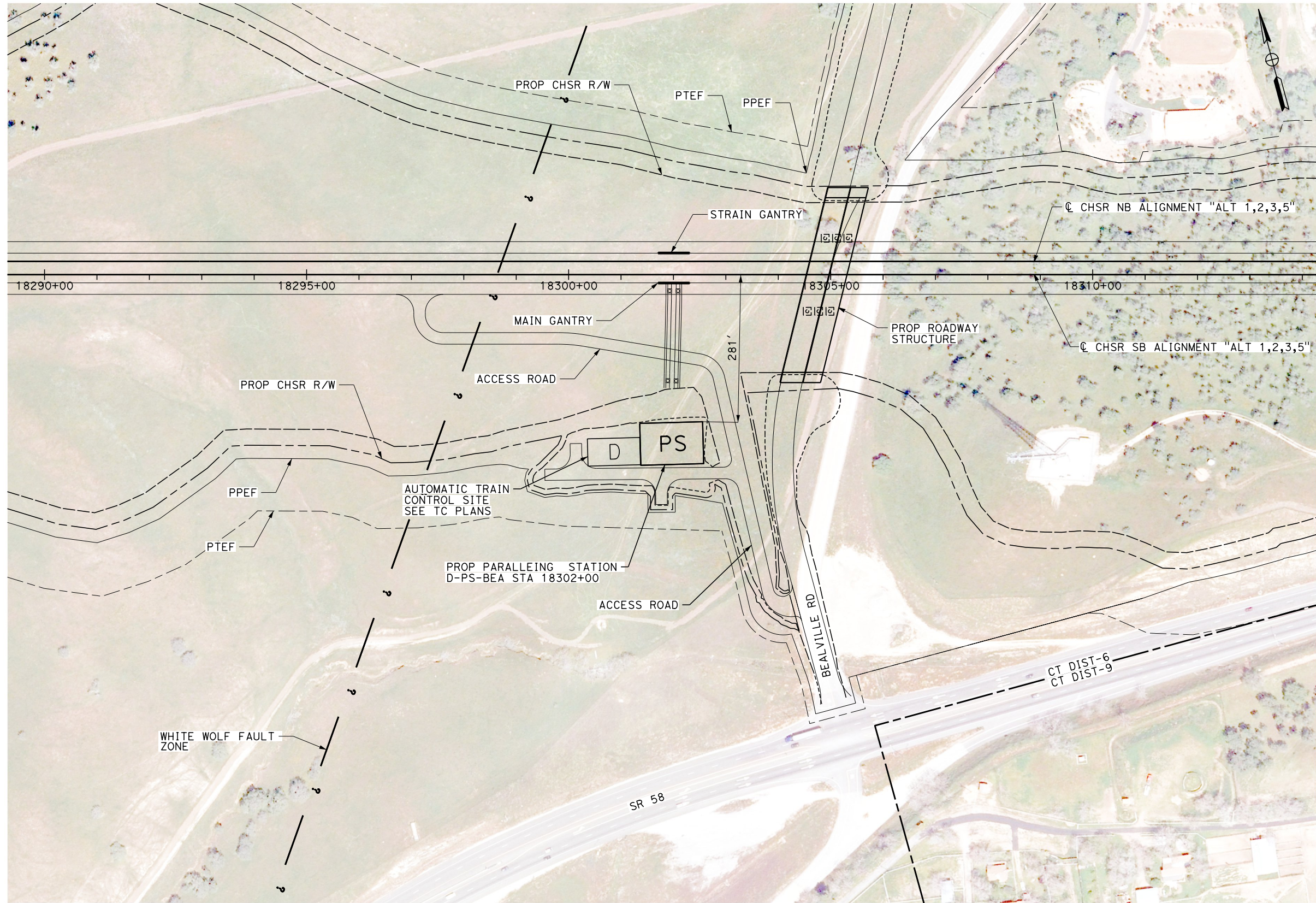
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PLAN

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J. MEREDITH
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J. MEREDITH
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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

ALTERNATIVE 1,2,3,5
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-BEA 18302+00

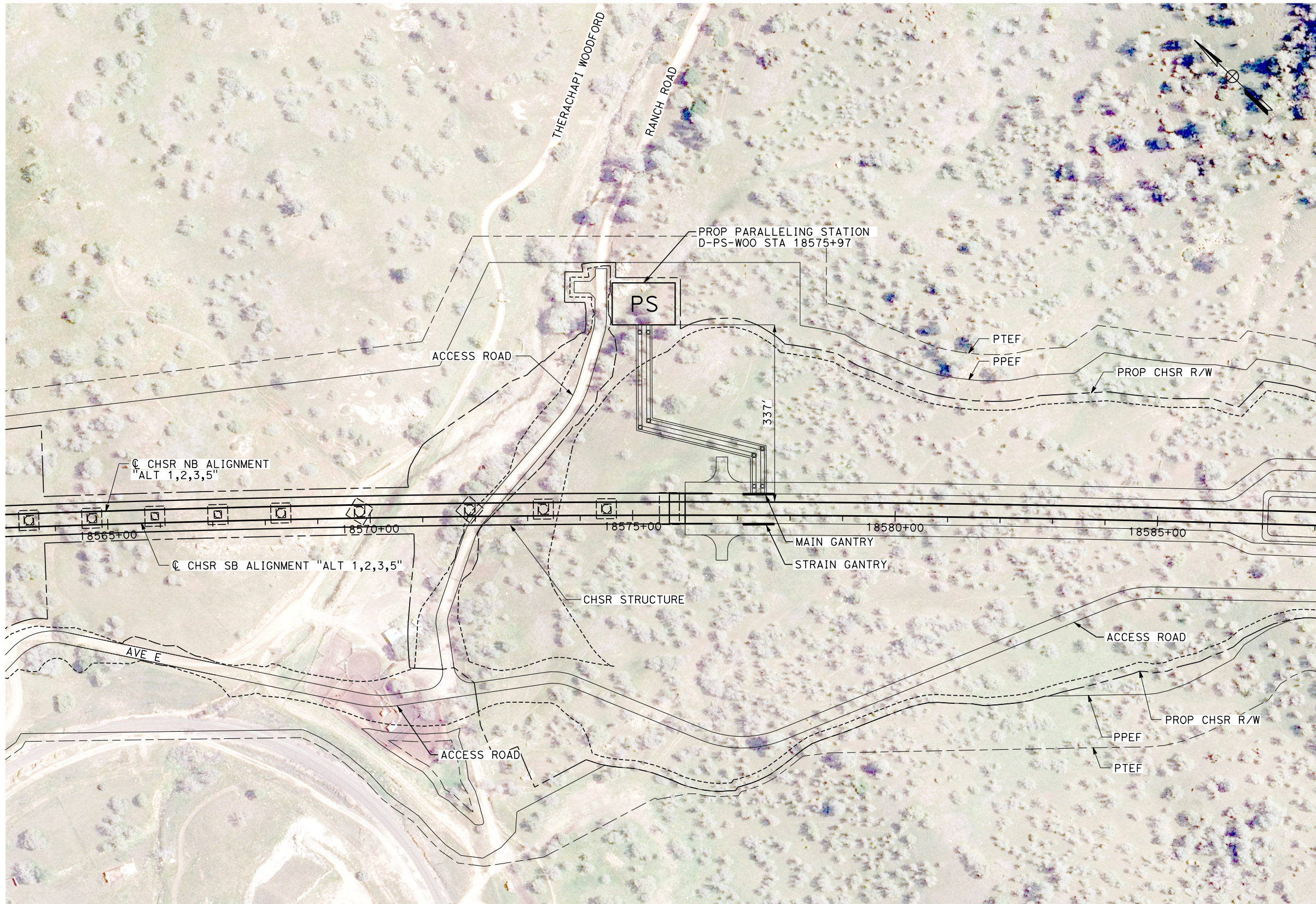
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CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**
ALTERNATIVE 1,2,3,5
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-WOO 18575+97

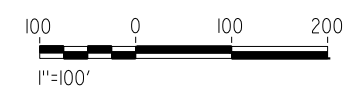
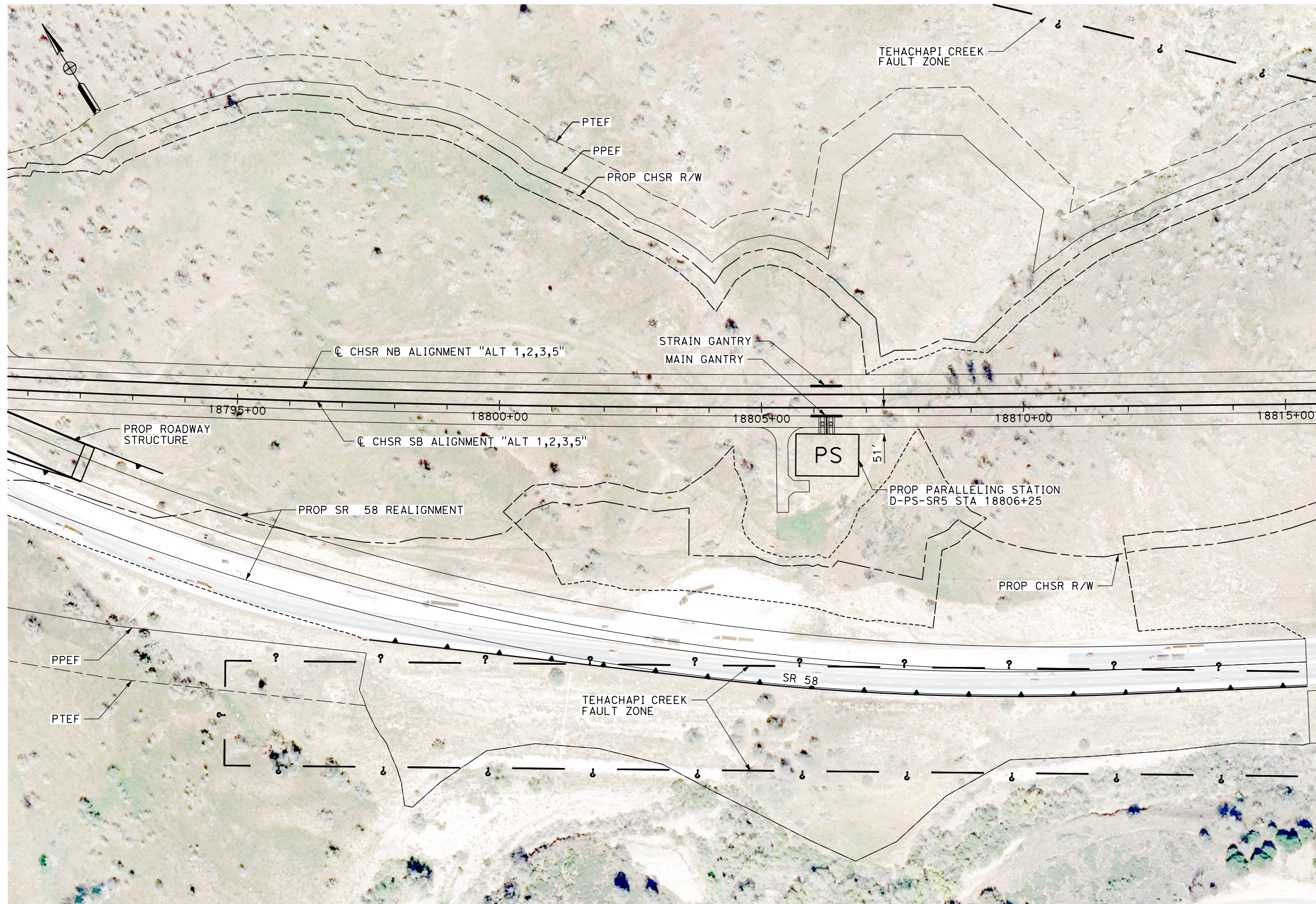
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DESIGNED BY
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J. MEREDITH
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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

ALTERNATIVE 1,2,3,5
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-SR5 18806+25

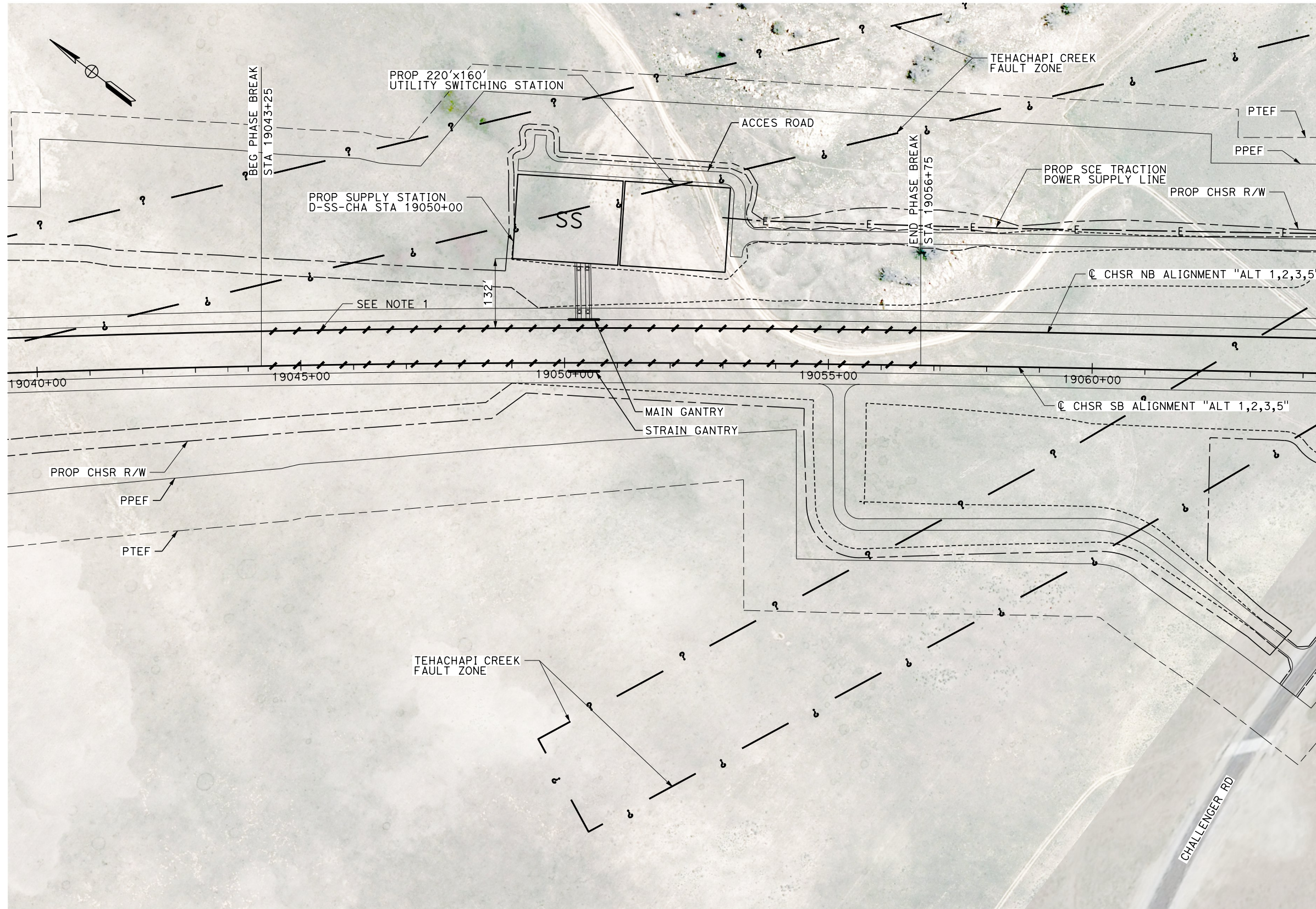
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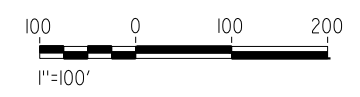
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1/20/2021

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NOTES
 1. PROPOSED TRACK GRADE THROUGH PHASE BREAK IS 0.89%.



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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J. MEREDITH
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J. MEREDITH
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
PEPD
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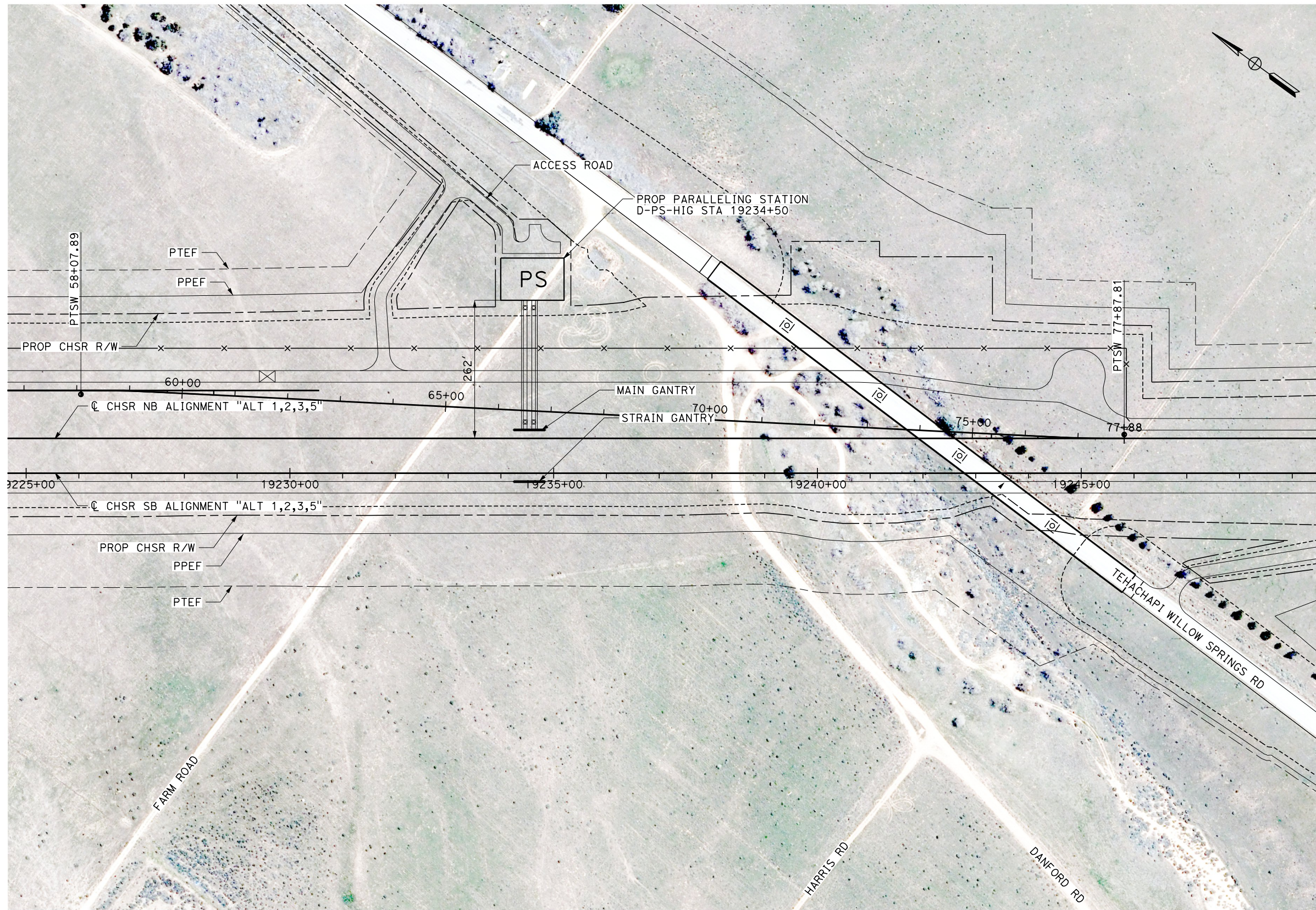
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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1,2,3,5
 TRACTION POWER SITE PLAN
 SUPPLY STATION D-SS-CHA 19050+00

CONTRACT NO.
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PLAN



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DESIGNED BY
J. MEREDITH
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J. MEREDITH
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 ALTERNATIVE 1,2,3,5
 TRACTION POWER SITE PLAN
 PARALLELING STATION D-PS-HIG 19234+50

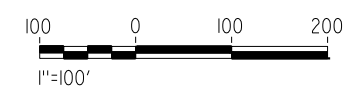
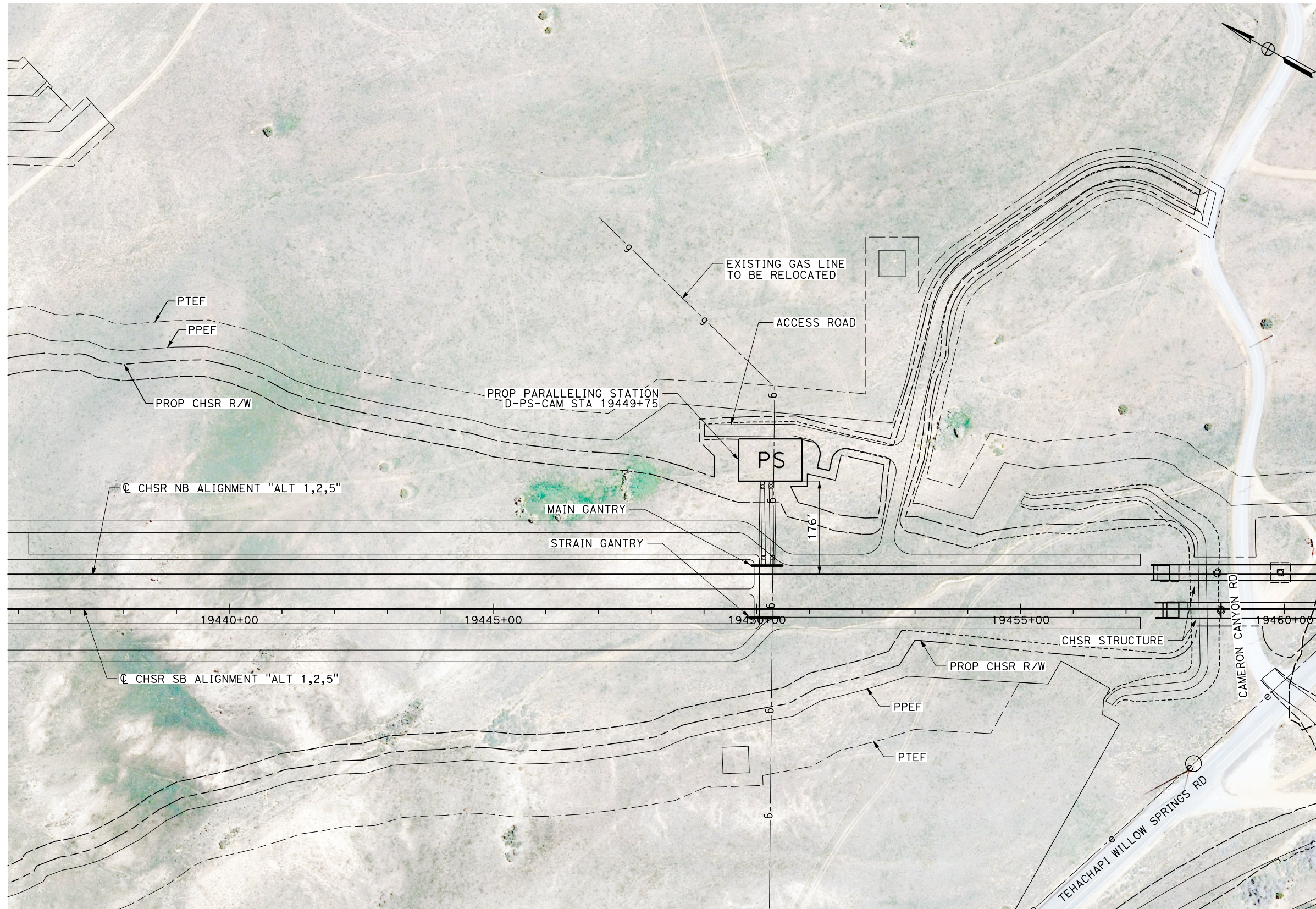
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J. MEREDITH
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CONSTRUCTION**



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

ALTERNATIVE 1,2,5
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-CAM 19449+75

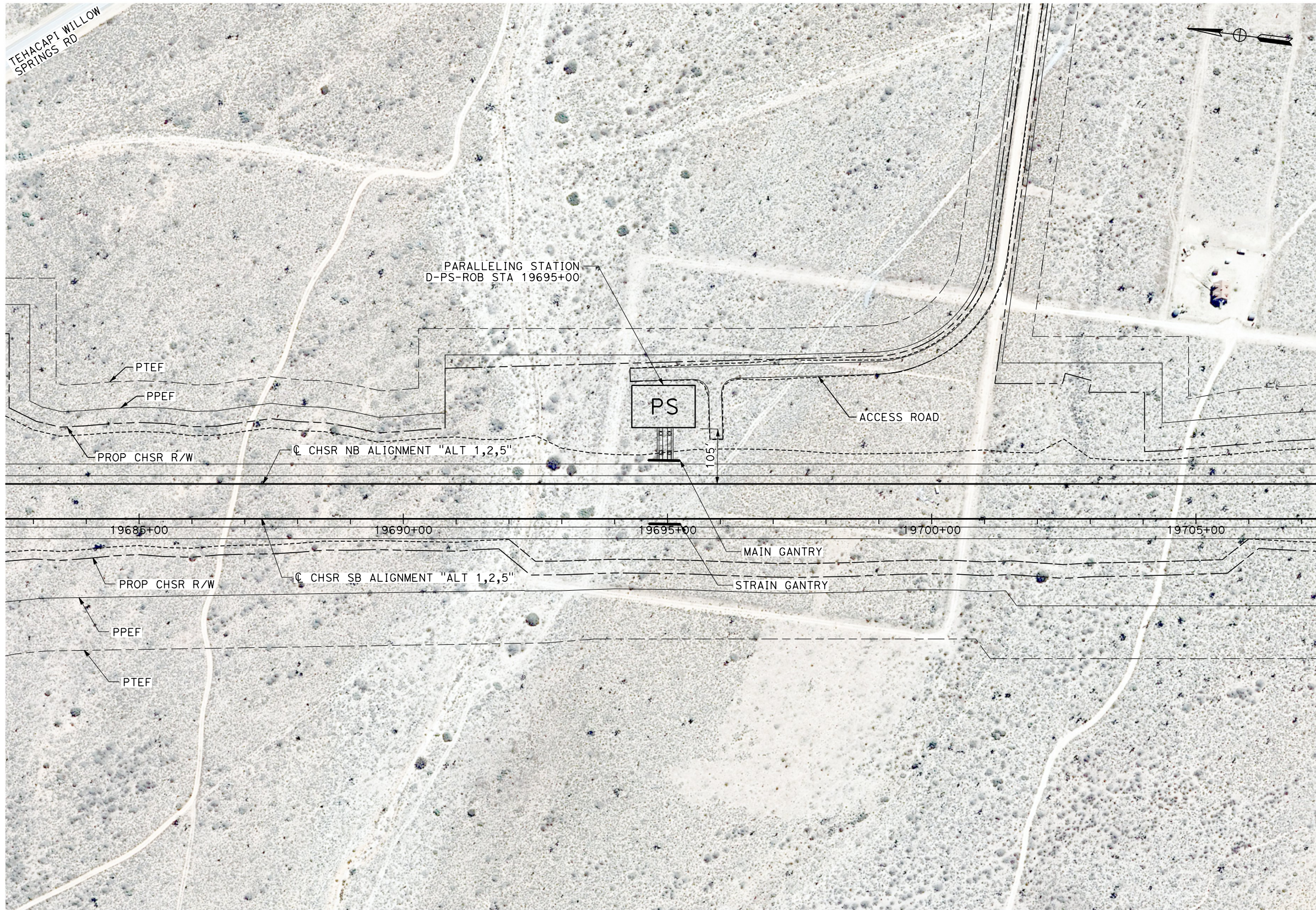
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DESIGNED BY
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J. MEREDITH
CHECKED BY
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G. CAMPBELL
DATE
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CONSTRUCTION**



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

ALTERNATIVE 1,2,5
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-ROB 19695+00

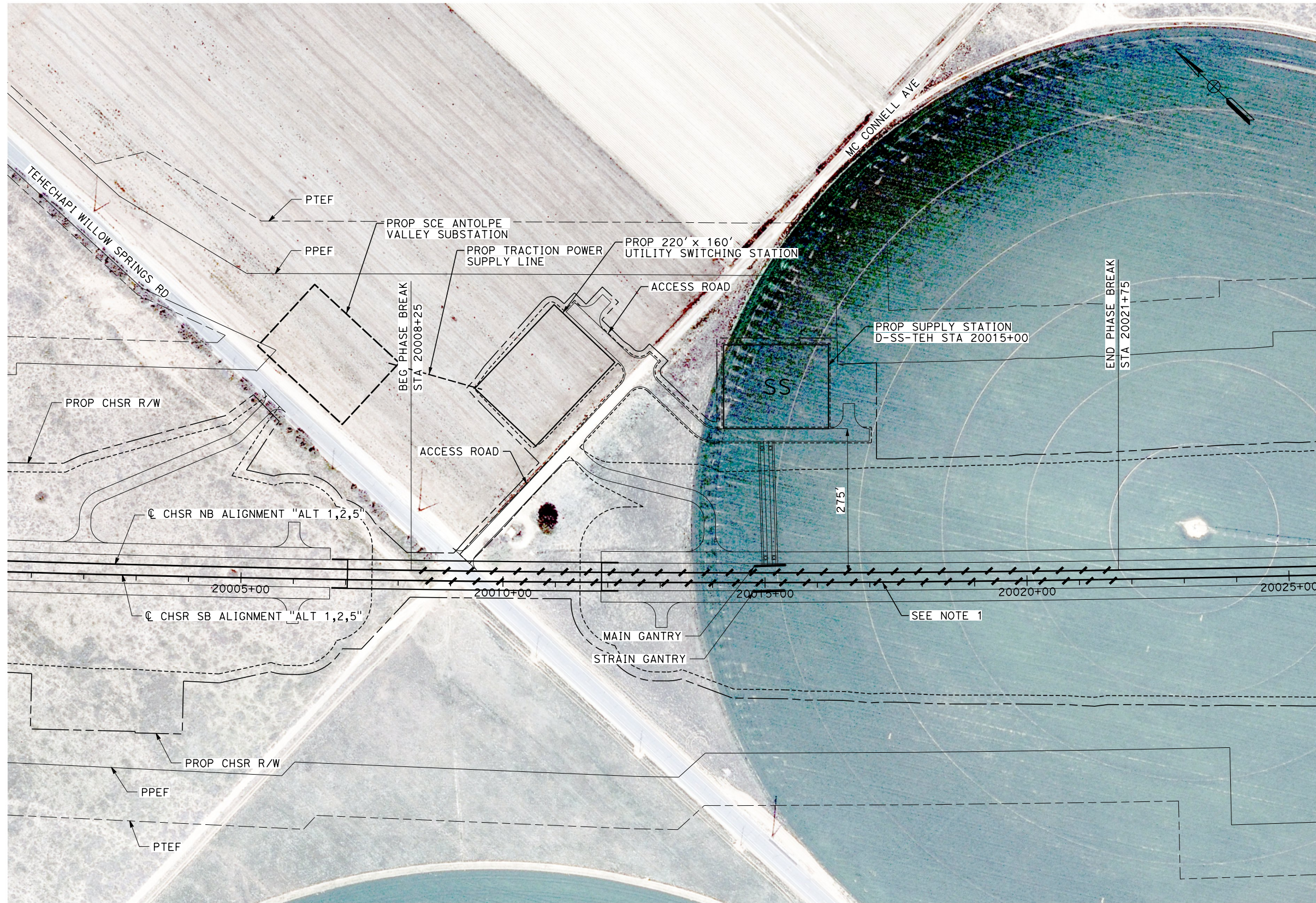
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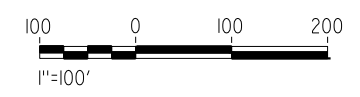
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NOTE:
 1. PROPOSED TRACK GRADE THROUGH PHASE BREAK IS 0.60%



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

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J. MEREDITH
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J. MEREDITH
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S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 1,2,5
 TRACTION POWER SITE PLAN
 SUPPLY STATION D-SS-TEH 20015+00

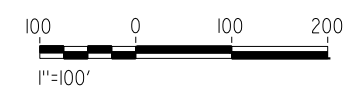
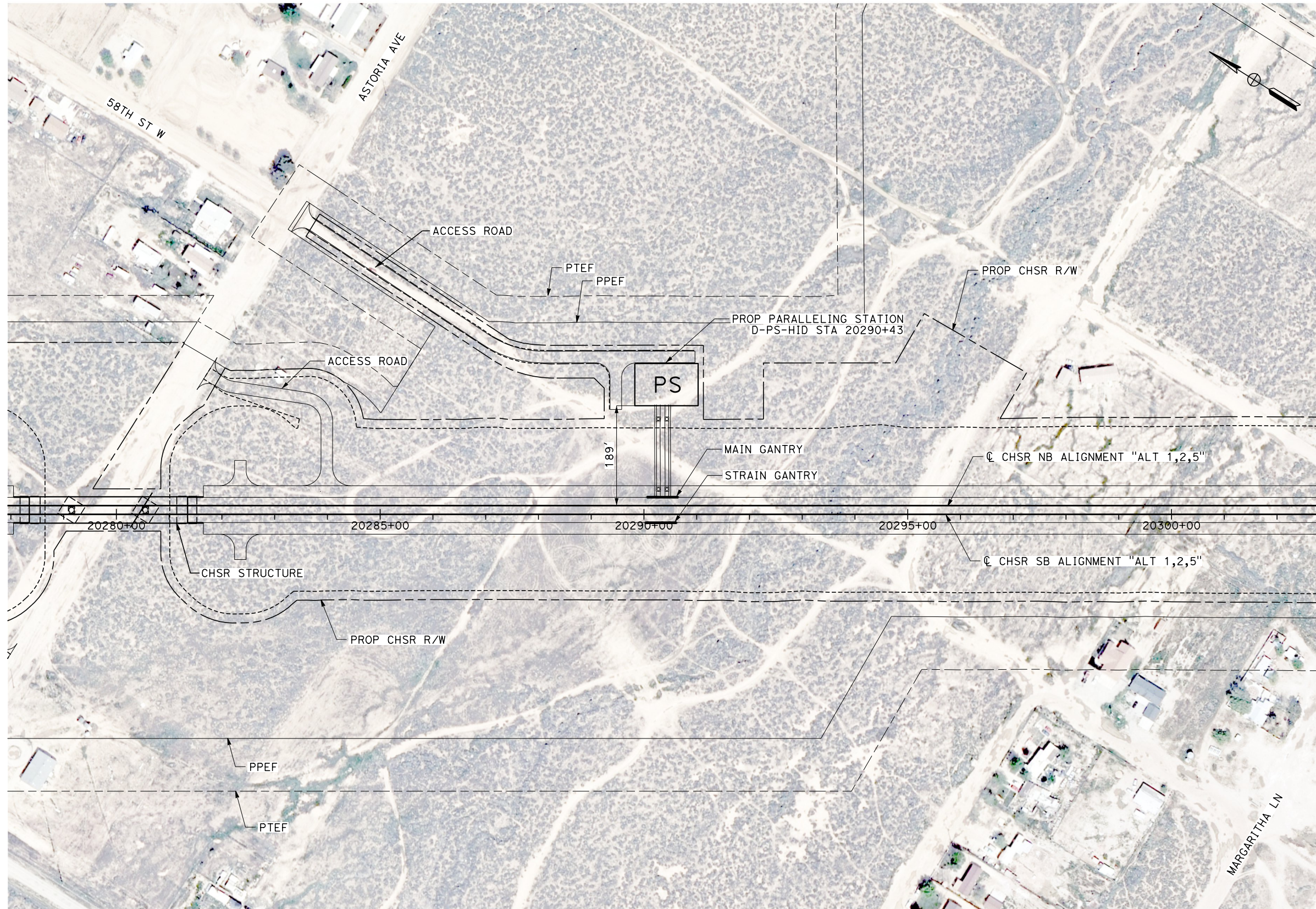
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PLAN

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J. MEREDITH
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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

ALTERNATIVE 1,2,5
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-HID 20290+43

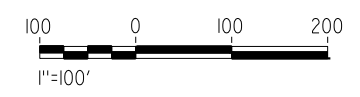
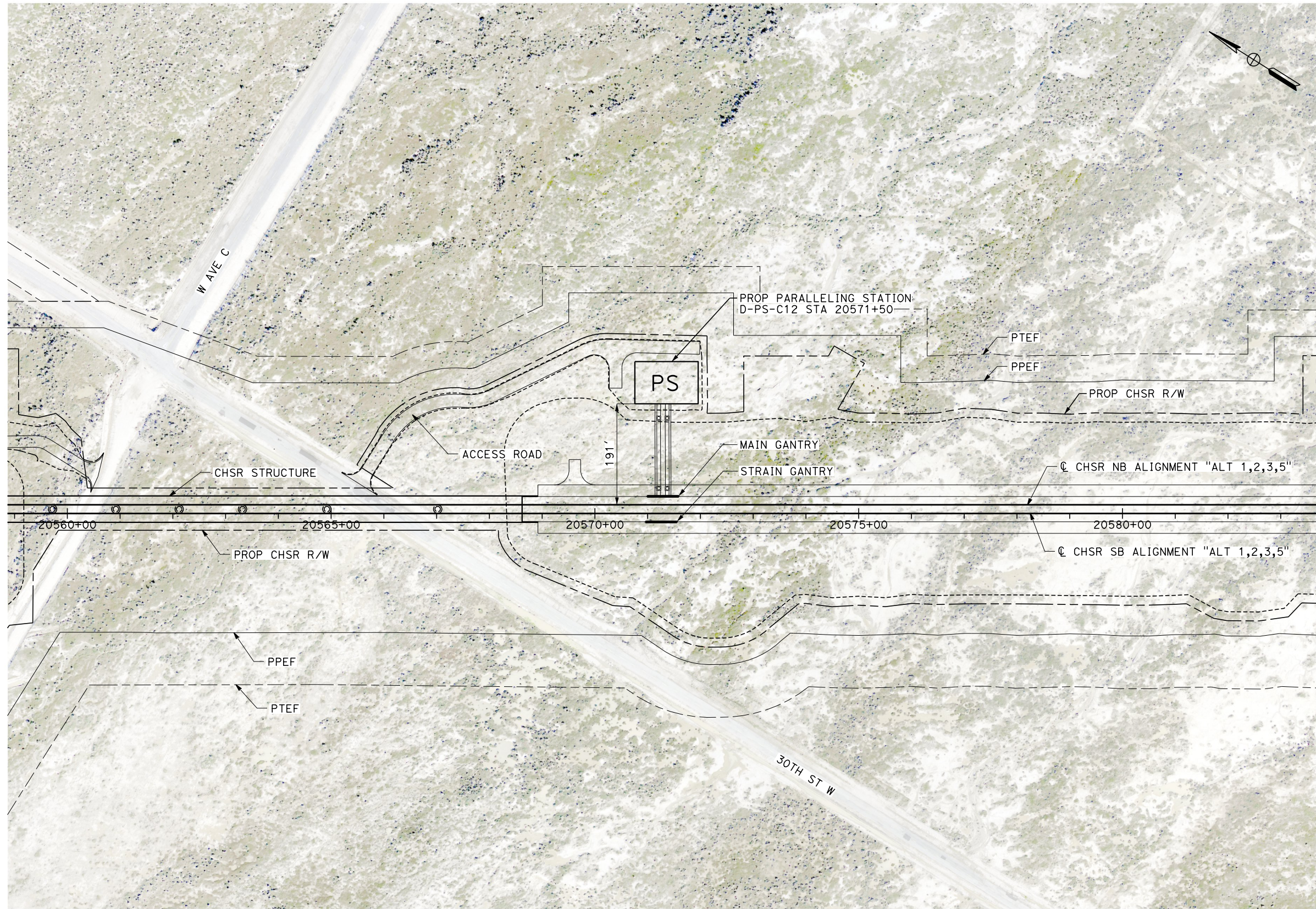
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PLAN

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J. MEREDITH
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J. MEREDITH
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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

ALTERNATIVE 1,2,3,5
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-C12 20571+50

CONTRACT NO.
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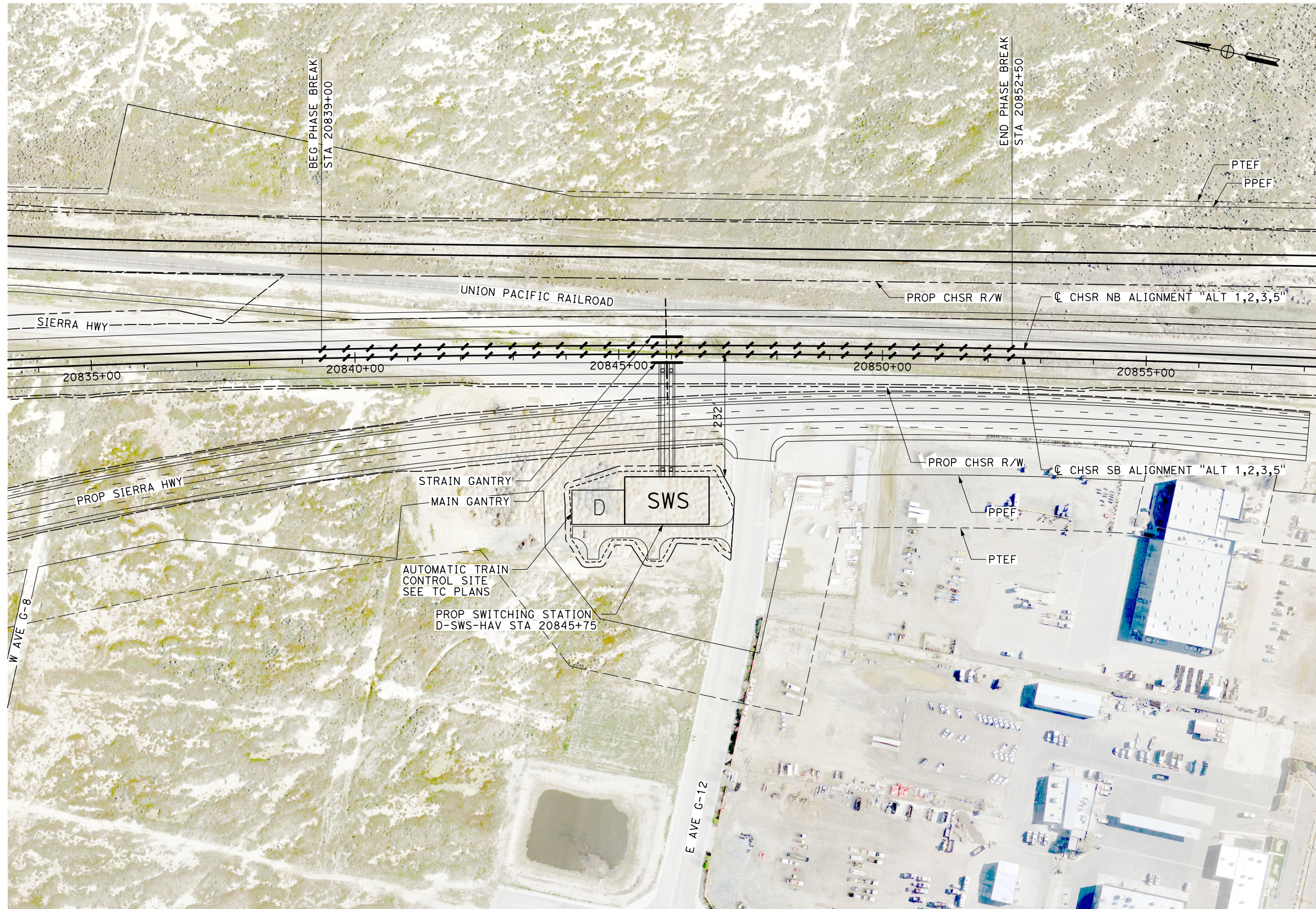
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1/20/2021

jcs_user_17609



NOTE:
 1. PROPOSED TRACK GRADE THROUGH PHASE BREAK IS 0.25%

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. MEREDITH
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J. MEREDITH
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**
 ALTERNATIVE 1,2,3,5
 TRACTION POWER SITE PLAN
 SWITCHING STATION D-SWS-HAV 20845+75

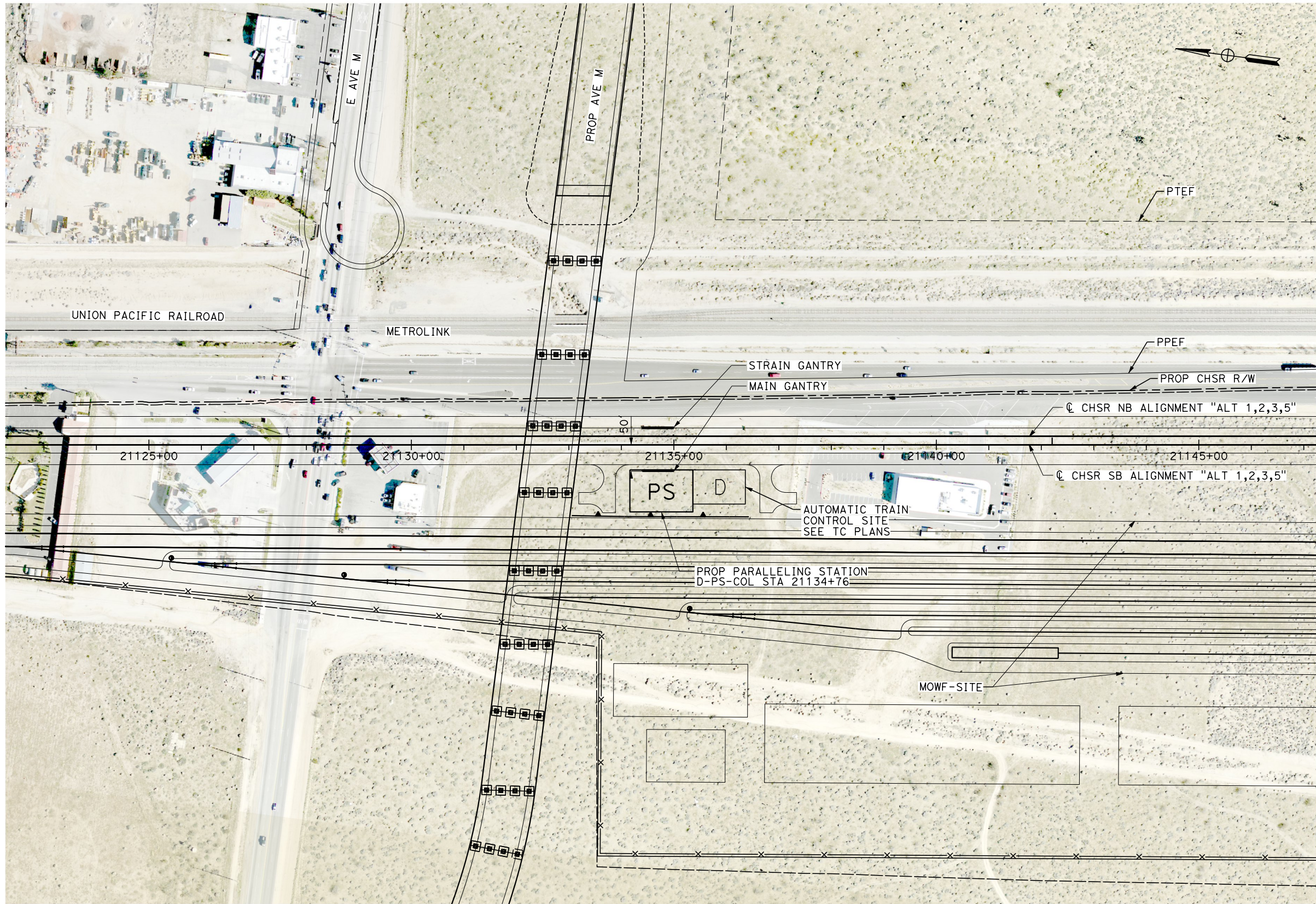
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PLAN

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IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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

ALTERNATIVE 1,2,3,5
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-COL 21134+76

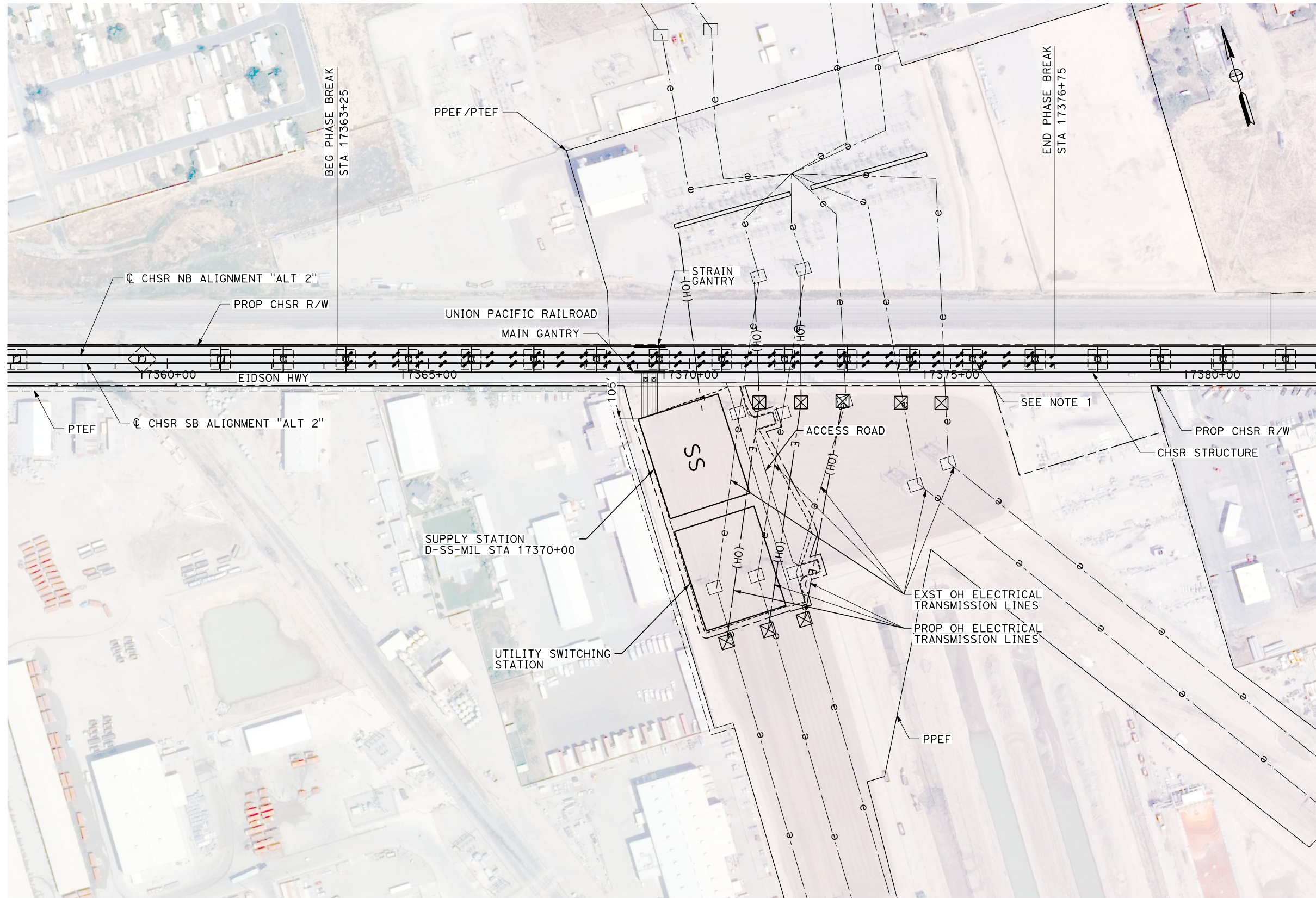
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NOTE:

1. PROPOSED TRACK GRADE THROUGH PHASE BREAK IS 0.60%.

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. MEREDITH
DRAWN BY
J. MEREDITH
CHECKED BY
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G. CAMPBELL
DATE
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE**

ALTERNATIVE 2
TRACTION POWER SITE PLAN
SUPPLY STATION D-SS-MIL 17370+00

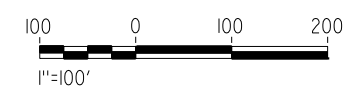
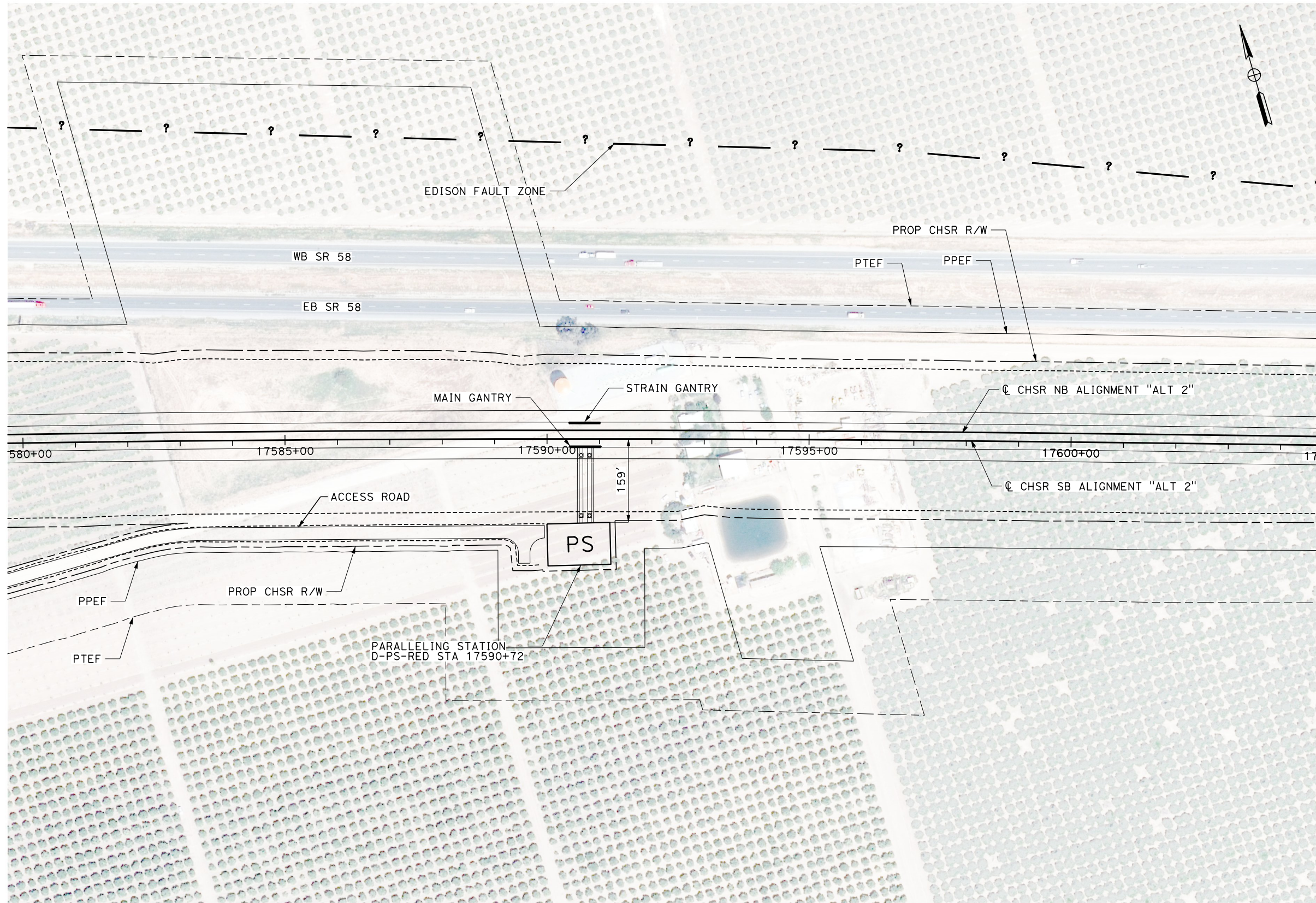
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PLAN

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J. MEREDITH
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J. MEREDITH
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IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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

ALTERNATIVE 2
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-RED 17590+72

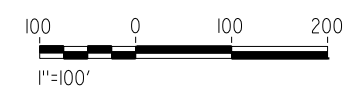
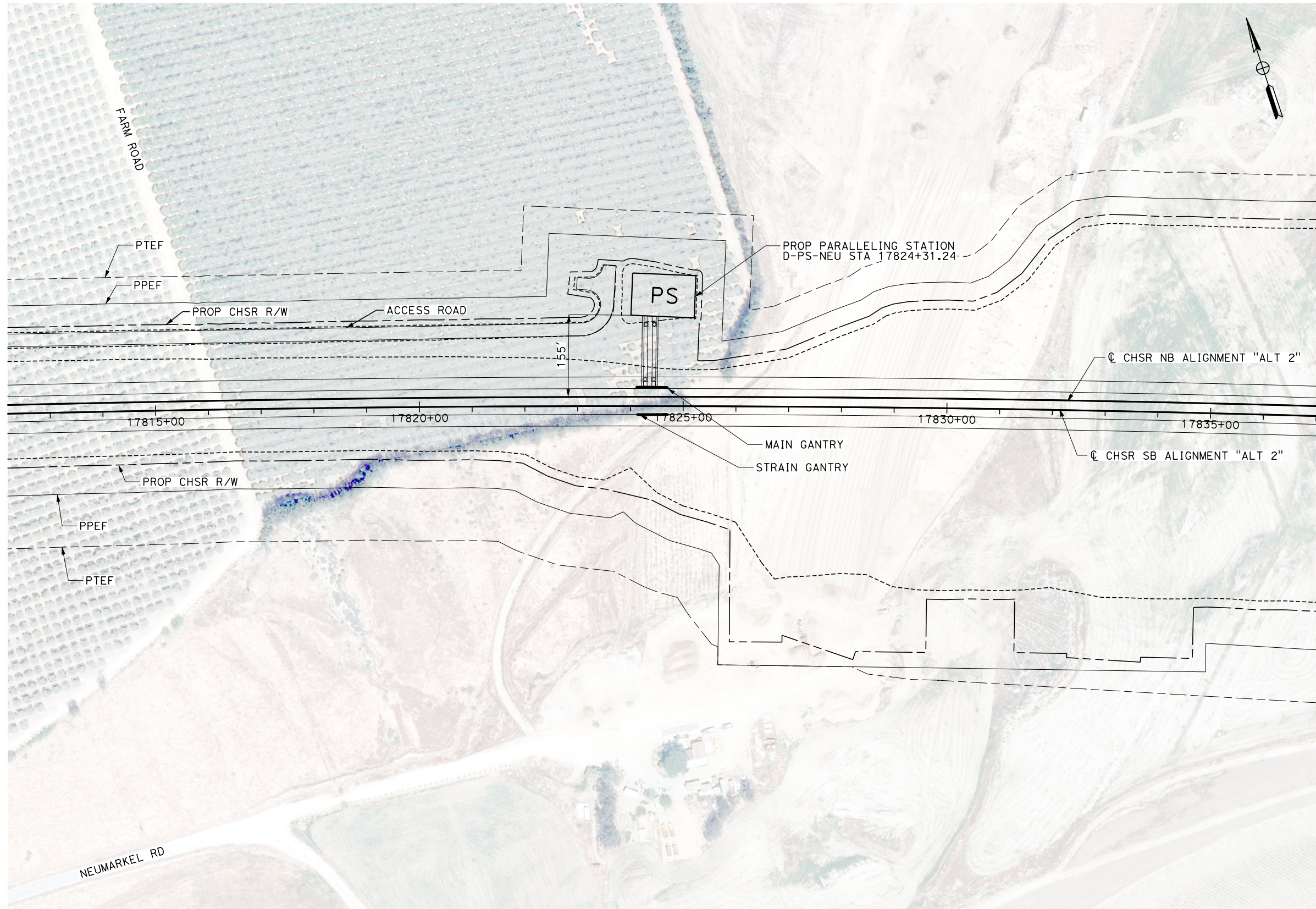
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PLAN

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DESIGNED BY
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J. MEREDITH
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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PEPD
SUBMITTAL**

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CONSTRUCTION**



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

ALTERNATIVE 2
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-NEU 17824+31

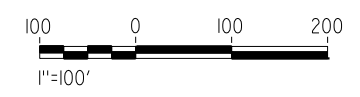
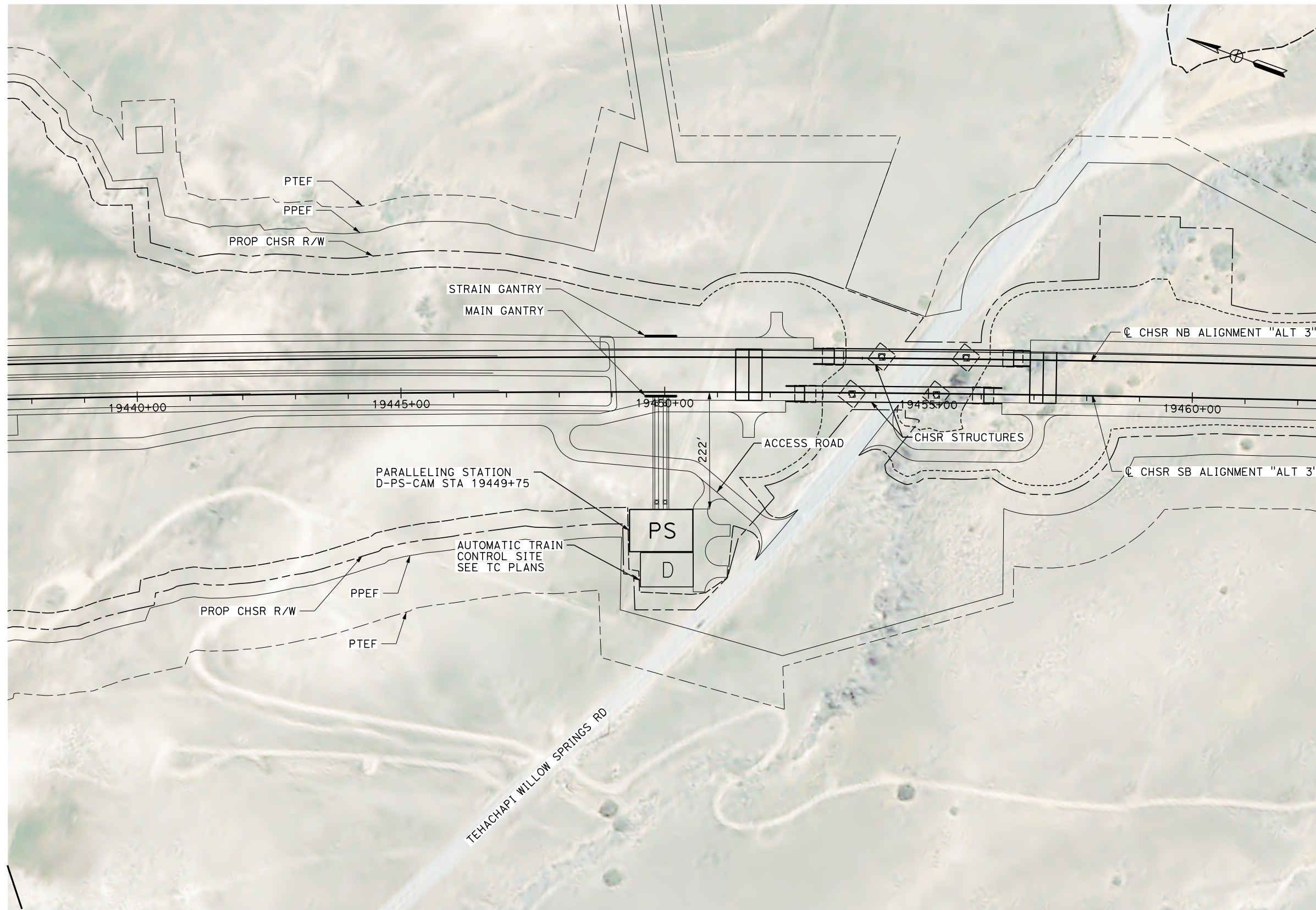
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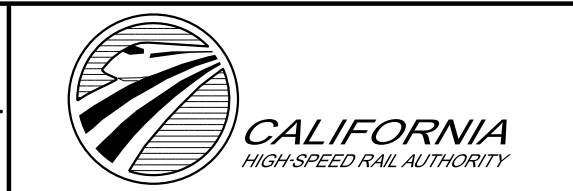
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. MEREDITH
DRAWN BY
J. MEREDITH
CHECKED BY
S. LANDOLT
IN CHARGE
G. CAMPBELL
DATE
01/29/2021

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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
ALTERNATIVE 3
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PARALLELING STATION D-PS-CAM 19449+75

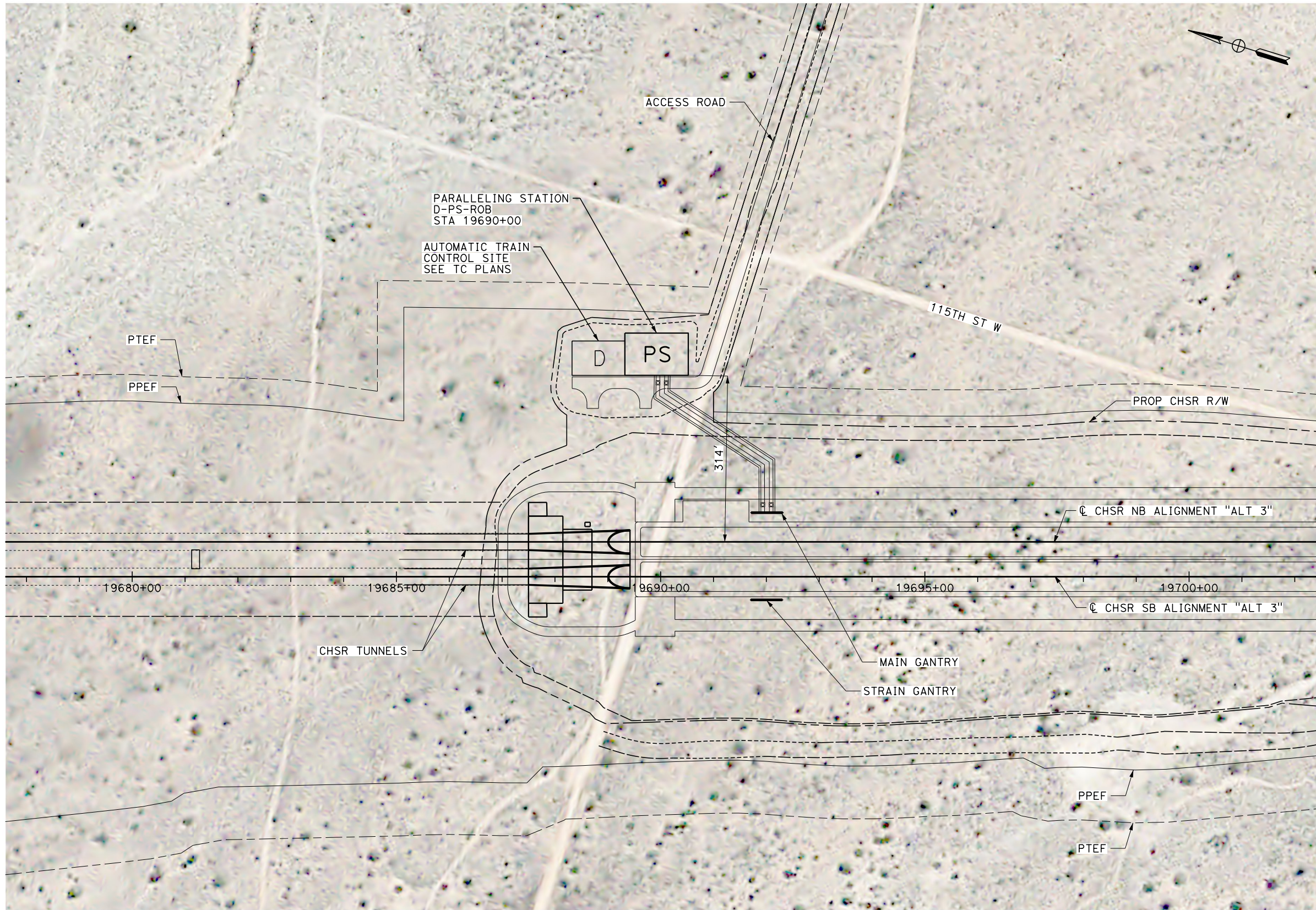
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PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. MEREDITH

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J. MEREDITH

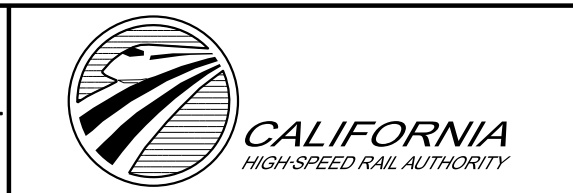
CHECKED BY
S. LANDOLT

IN CHARGE
G. CAMPBELL

DATE
01/29/2021

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CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE

ALTERNATIVE 3
TRACTION POWER SITE PLAN
PARALLELING STATION D-PS-ROB 19690+00

CONTRACT NO.
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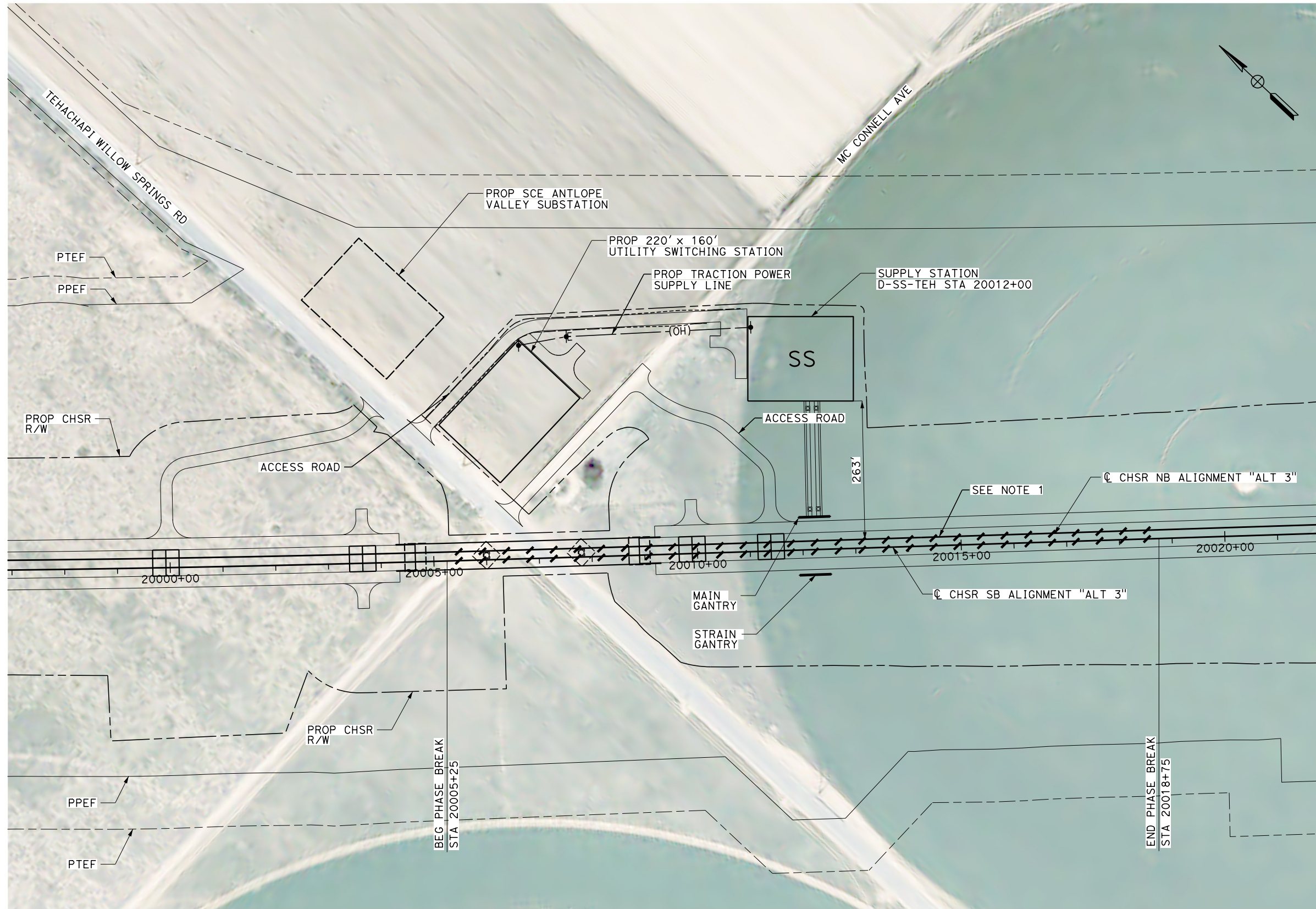
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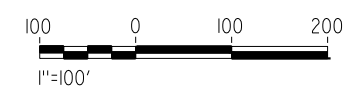
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NOTE:
 1. PROPOSED TRACK GRADE THROUGH PHASE BREAK IS 0.60%



PLAN

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**NOT FOR
 CONSTRUCTION**

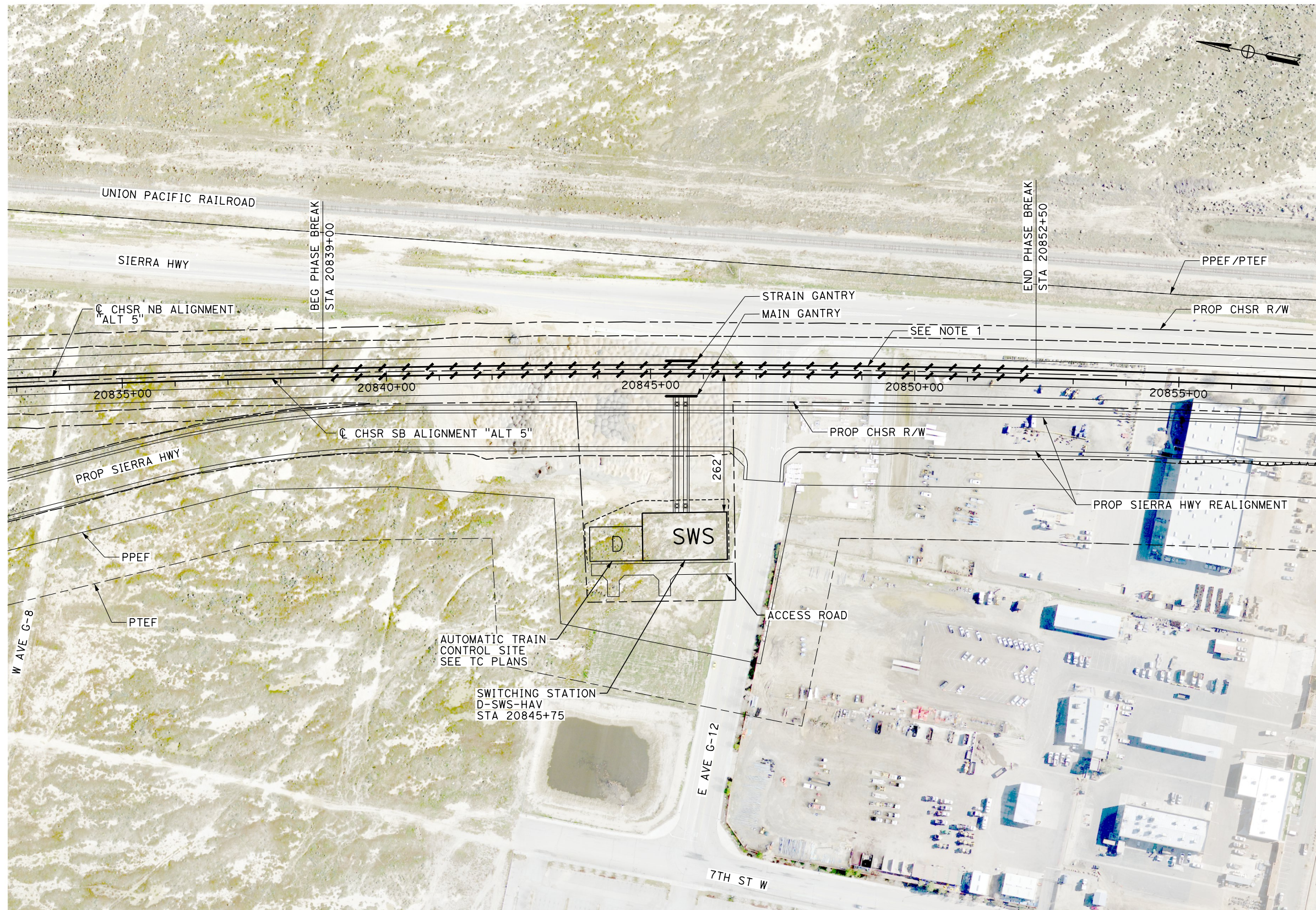


**CALIFORNIA HIGH-SPEED RAIL PROJECT
 BAKERSFIELD TO PALMDALE**

ALTERNATIVE 3
 TRACTION POWER SITE PLAN
 SUPPLY STATION D-SS-TEH 20012+00

CONTRACT NO.
HSR13-44
 DRAWING NO.
TP-04153
 SCALE
AS SHOWN
 SHEET NO.
41

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 1/20/2021
 jcs_user_17609



NOTE:
 1. PROPOSED TRACK GRADE THROUGH PHASE BREAK IS 0.25%



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. MEREDITH
 DRAWN BY
J. MEREDITH
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

RECORD SET
PEPD
SUBMITTAL

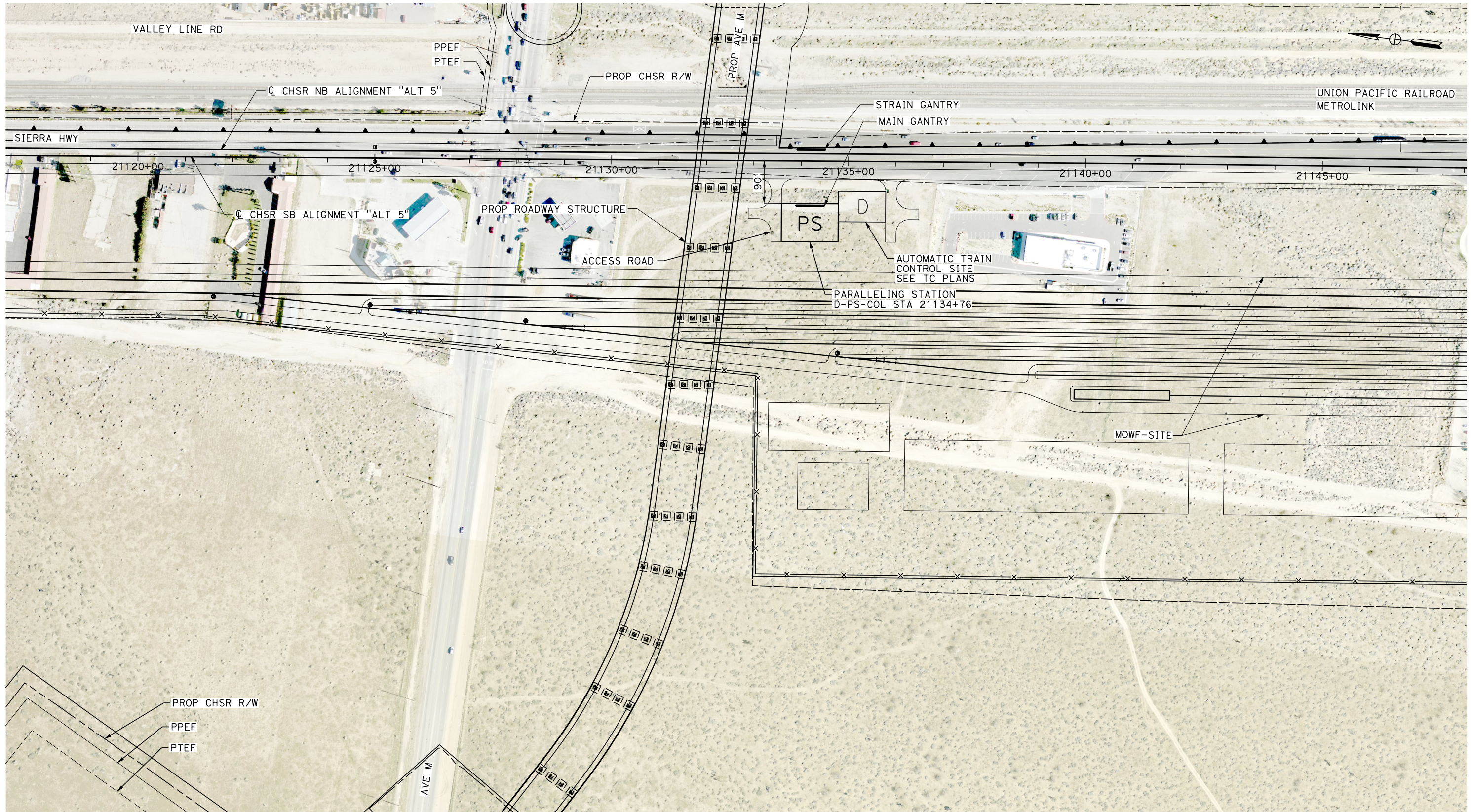
NOT FOR
CONSTRUCTION



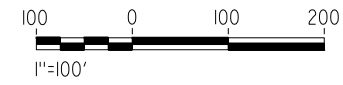
CALIFORNIA HIGH-SPEED RAIL PROJECT
BAKERSFIELD TO PALMDALE
 ALTERNATIVE 5
 TRACTION POWER SITE PLAN
 SWITCHING STATION D-SWS-HAV 20845+75

CONTRACT NO.
HSR13-44
 DRAWING NO.
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 SCALE
AS SHOWN
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42

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PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. MEREDITH
 DRAWN BY
J. MEREDITH
 CHECKED BY
S. LANDOLT
 IN CHARGE
G. CAMPBELL
 DATE
01/29/2021

**RECORD SET
 PEPD
 SUBMITTAL**

**NOT FOR
 CONSTRUCTION**



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

ALTERNATIVE 5
 TRACTION POWER SITE PLAN
 PARALLELING STATION D-PS-COL 21134+76

CONTRACT NO.
HSR13-44

DRAWING NO.
TP-04202

SCALE
AS SHOWN

SHEET NO.
43