

California High-Speed Rail Authority

# Palmdale to Burbank Project Section

PEPD RECORD SET REV02

Grading and Drainage Plans

April 2024



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

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## GRADING AND DRAINAGE SHEETS

### GENERAL

DRAWING NO.	DRAWING DESCRIPTION
CV-B0004	ALIGNMENT "REFINED SR14/E1/E2" GRADING AND DRAINAGE - INDEX OF DRAWINGS 1 OF 2
CV-B0005	ALIGNMENT "REFINED SR14/E1/E2" GRADING AND DRAINAGE - INDEX OF DRAWINGS 2 OF 2
CV-B0007	ALIGNMENT "REFINED SR14/E1/E2" GRADING AND DRAINAGE - ABBREVIATIONS
CV-B0008	ALIGNMENT "REFINED SR14/E1/E2" GRADING AND DRAINAGE - ABBREVIATIONS AND LEGEND

### REFINED SR14

DRAWING NO.	DRAWING DESCRIPTION
CV-B0001-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN - KEY MAP 1 OF 3
CV-B0002-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN - KEY MAP 2 OF 3
CV-B0003-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN - KEY MAP 3 OF 3
CV-G4009-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4010-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4011-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4012-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4013-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4014-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4015-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4016-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4017-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4018-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4019-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4020-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4021-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4022-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4023-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4024-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4025-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4026-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4027-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4028-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4029-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4030-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4031-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4032-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4033-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4034-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4035-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4036-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4037-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4038-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4039-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4040-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4105-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4106-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4107-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4108-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN
CV-G4109-S14	ALIGNMENT "REFINED SR14" GRADING AND DRAINAGE PLAN

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
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**JC. ALAMILLA**  
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**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

PEPD RECORD SET  
REV02  
  
NOT FOR  
CONSTRUCTION



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14/E1/E2"  
GRADING AND DRAINAGE  
INDEX OF DRAWINGS  
1 OF 2

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-B0004**  
SCALE  
**NO SCALE**  
SHEET NO.



# GRADING AND DRAINAGE SHEETS

## E1

DRAWING NO.	DRAWING DESCRIPTION
CV-B0001-E1	ALIGNMENT "E1" GRADING AND DRAINAGE PLAN - KEY MAP 1 OF 3
CV-B0002-E1	ALIGNMENT "E1" GRADING AND DRAINAGE PLAN - KEY MAP 2 OF 3
CV-B0003-E1	ALIGNMENT "E1" GRADING AND DRAINAGE PLAN - KEY MAP 3 OF 3
CV-G4009-E1	ALIGNMENT "E1" GRADING AND DRAINAGE PLAN
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CV-G4106-E1	ALIGNMENT "E1" GRADING AND DRAINAGE PLAN
CV-G4107-E1	ALIGNMENT "E1" GRADING AND DRAINAGE PLAN
CV-G4108-E1	ALIGNMENT "E1" GRADING AND DRAINAGE PLAN
CV-G4109-E1	ALIGNMENT "E1" GRADING AND DRAINAGE PLAN
CV-G4110-E1	ALIGNMENT "E1" GRADING AND DRAINAGE PLAN
CV-G4200-E1	ALIGNMENT "E1" GRADING AND DRAINAGE PLAN
CV-G4201-E1	ALIGNMENT "E1" GRADING AND DRAINAGE PLAN

## E2

DRAWING NO.	DRAWING DESCRIPTION
CV-B0001-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN - KEY MAP 1 OF 2
CV-B0002-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN - KEY MAP 2 OF 2
CV-G4009-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
CV-G4010-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
CV-G4011-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
CV-G4012-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
CV-G4013-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
CV-G4014-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
CV-G4015-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
CV-G4016-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
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CV-G4109-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
CV-G4200-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
CV-G4201-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
CV-G4300-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
CV-G4301-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN
CV-G4302-E2	ALIGNMENT "E2" GRADING AND DRAINAGE PLAN

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**

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**A**

**AB** AGGREGATE BASE  
**ABBC** ASBESTOS BONDED BITUMINOUS COATED  
**ABM** AIR-BLOWN MORTAR  
**ABN** ABANDON  
**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  
**AS** AGGREGATE SUBBASE  
**ASRP** ALUMINUM SPIRAL RIB PIPE  
**ASSY** ASSEMBLY  
**AVE** AVENUE  
**AVG** AVERAGE  
**@** AT

**B**

**BEG** BEGIN  
**BIT CTD** BITUMINOUS COATED  
**BK** BACK  
**BKF** BACKFILL  
**BLDG** BUILDING  
**BLVD** BOULEVARD  
**BM** BENCH MARK  
**BOT** BOTTOM  
**B-P** BAKERSFIELD TO PALMDALE  
**BR** BRIDGE  
**BRG** BEARING  
**BW** BARBED WIRE

**C**

**CAP** CORRUGATED ALUMINUM PIPE  
**CAPA** CORRUGATED ALUMINUM PIPE ARCH  
**CB** CONCRETE BARRIER  
**CHSRA** CALIFORNIA HIGH SPEED RAIL AUTHORITY  
**CHST** CALIFORNIA HIGH SPEED TRAIN  
**CHSR** CALIFORNIA HIGH SPEED RAIL  
**CHNL** CHANNEL  
**CI** CAST IRON  
**CIDH** CAST-IN-DRILLED-HOLE  
**CIP,C-1-P** 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

**C CONTINUED**

**COORD** COORDINATE  
**CR** CREEK  
**CRCP** CONTINUOUS REINFORCED CONCRETE PAVEMENT  
**CRSP** CONCRETED ROCK SLOPE PROTECTION  
**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  
**CL** CENTERLINE

**D**

**DD** DOWNDRAIN, DIRECTIVE DRILLING  
**DBL** DOUBLE  
**DEG** DEGREE  
**DET** DETAIL  
**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  
**EASE** EASEMENT  
**EB** END OF BRIDGE  
**EC** END HORIZONTAL CURVE  
**ED** EDGE DRAIN  
**EDC** EDGE DRAIN CLEANOUT  
**EDO** EDGE DRAIN OUTLET  
**EDV** EDGE DRAIN VENT  
**ELEV** ELEVATION  
**ELLN** EXTRALEGAL LEAD NETWORK  
**EMB** EMBANKMENT  
**ENGR** ENGINEER  
**EO** 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  
**FDN** FOUNDATION  
**FEBT** FACING EASTBOUND TRAFFIC  
**FES** FLARED END SECTION

**F CONTINUED**

**FES** FLARED END SECTION  
**FF** FILTER FABRIC  
**FG** FINISHED GRADE  
**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

**G**

**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  
**HMA** HOT MIXED ASPHALT  
**HORIZ** HORIZONTAL  
**HP** HINGE POINT, HORSEPOWER  
**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  
**JS** JUNCTION STRUCTURE  
**JT** JOINT

**K**

**K** DISTANCE TO ACHIEVE 1% GRADE CHANGE

**L**

**L** LENGTH  
**LAT** LATITUDE  
**LMF** LIGHT MAINTENANCE FACILITY  
**LOC** LOCATION  
**LOL** LAYOUT LINE

**L CONTINUED**

**LONG** LONGITUDE  
**LONGIT** LONGITUDINAL  
**LT** LEFT

**M**

**MAINT** MAINTENANCE  
**MAX** MAXIMUM  
**MED** MEDIAN  
**MH** MANHOLE  
**MIN** MINIMUM  
**MISC** MISCELLANEOUS  
**MKR** MARKER  
**M/L** MAIN LINE (RAILWAY)  
**MOD** MODIFIED, MODIFY  
**MON** MONUMENT  
**MTL** MATERIAL  
**MT** MAIN TRACK

**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  
**OD** OUTSIDE DIAMETER  
**OF** OUTSIDE FACE  
**OG** ORIGINAL GROUND  
**OH** OVERHEAD  
**OPP** OPPOSITE

**P**

**P** PAGE  
**PAP** PERFORATED ALUMINUM PIPE  
**P-B** PALMDALE TO BURBANK  
**PC** POINT OF CURVATURE, PRECAST  
**PCC** POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE  
**PCP** PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE  
**PED** PEDESTRIAN  
**PED OC** PEDESTRIAN OVERCROSSING  
**PED UC** PEDESTRIAN UNDERCROSSING  
**PERM MTL** PERMEABLE MATERIAL  
**PG** PROFILE GRADE  
**PI** POINT OF INTERSECTION  
**P/L** PROPERTY LINE  
**PM** POST MILE, TIME FROM NOON TO MIDNIGHT  
**POB** POINT OF BEGINNING  
**POE** POINT OF ENDING  
**PP** PIPE PILE, PLASTIC PIPE, POWER POLE  
**PPEF** PROPOSED PERMANENT ENVIRONMENTAL FOOTPRINT  
**PPL** PREFORMED PERMEABLE LINER  
**PRF** PAVEMENT REINFORCING FABRIC

**PS, P/S** PRESTRESSED, PARALLEL STATION  
**PSP** PERFORATED STEEL PIPE  
**PT** POINT OF TANGENCY  
**PVC** POLYVINYL CHLORIDE  
**PVI** POINT OF VERTICAL INTERSECTION  
**PVMT** PAVEMENT  
**PVP** MAINTENANCE VEHICLE PULLOUT

**P CONTINUED**

**PROP** PROPOSED  
**PS&E** PLANS, SPECIFICATIONS AND ESTIMATES  
**PS, P/S** PRESTRESSED, PARALLEL STATION  
**PSP** PERFORATED STEEL PIPE  
**PT** POINT OF TANGENCY  
**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  
**RP** RADIUS POINT, REFERENCE POINT  
**RR** RAILROAD  
**RSP** ROCK SLOPE PROTECTION  
**RT** RIGHT  
**RTE** ROUTE  
**RW** RETAINING WALL  
**R/W** RIGHT OF WAY  
**RWY** RAILWAY

**S**

**S** SOUTH, SUPPLEMENT  
**SAE** STRUCTURE APPROACH EMBANKMENT  
**SALV** SALVAGE  
**SAPP** STRUCTURAL ALUMINUM PLATE PIPE  
**SB** SOUTHBOUND  
**SC** SPIRAL TO CURVE  
**SCRRA** SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY  
**SCSP** SLOTTED CORRUGATED STEEL PIPE  
**SD** STORM DRAIN  
**SEC** SECOND  
**SECT** SECTION  
**SEP** SEPARATION  
**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

REV	DATE	BY	CHK	APP	DESCRIPTION

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 DRAWN BY  
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**R. RODRIGUEZ**  
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 CONSTRUCTION



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "REFINED SR14/E1/E2"  
 GRADING AND DRAINAGE  
 ABBREVIATIONS

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
**CV-B0007**  
 SCALE  
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 SHEET NO.



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**S CONTINUED**

<b>SSD</b>	STRUCTURAL SECTION DRAIN
<b>SSRP</b>	STEEL SPIRAL RIB PIPE
<b>SR</b>	STATE ROUTE
<b>ST</b>	STREET, SPIRAL TO TANGENT
<b>STA</b>	STATION
<b>STBB</b>	SINGLE THRIE BEAM BARRIER
<b>STD</b>	STANDARD
<b>STR</b>	STRUCTURE
<b>SRS</b>	STAND ALONE RADIO SITE
<b>SURF</b>	SURFACING
<b>SW</b>	SIDEWALK, SOUND WALL
<b>SYM</b>	SYMMETRICAL
	<b>T</b>
<b>T</b>	TANGENT
<b>TAB</b>	TABLET
<b>TAN</b>	TANGENT
<b>TBB</b>	THRIE BEAM BARRIER
<b>TC</b>	TOP OF CURB, TANGENT TO CURVE
<b>TCE</b>	TEMPORARY CONSTRUCTION EASEMENT
<b>TEL</b>	TELEPHONE
<b>TEMP</b>	TEMPORARY
<b>TG</b>	TOP OF GRADE
<b>TM</b>	TECHNICAL MEMORANDUM
<b>TOT</b>	TOTAL
<b>TPSS</b>	TRACTION POWER SUPPLY STATION
<b>TRANS</b>	TRANSITION, TRANSVERSE
<b>TS</b>	TRAFFIC SIGNAL, TUBULAR STEEL, TANGENT TO SPIRAL
<b>TYP</b>	TYPICAL
<b>TOR</b>	TOP OF RAIL
	<b>U</b>
<b>UC</b>	UNDERCROSSING
<b>UD</b>	UNDERDRAIN
<b>UON</b>	UNLESS OTHERWISE NOTED
<b>UP</b>	UNDERPASS
<b>UPRR</b>	UNION PACIFIC RAILROAD
<b>USFWS</b>	UNITED STATES FISH AND WILDLIFE SERVICE
	<b>V</b>
<b>V</b>	VALVE, DESIGN SPEED
<b>VAR</b>	VARIABLE
<b>VCP</b>	VITRIFIED CLAY PIPE
<b>VERT</b>	VERTICAL
<b>VIA</b>	VIADUCT
<b>VOL</b>	VOLUME
	<b>W</b>
<b>W</b>	WEST, WIDTH
<b>WB</b>	WESTBOUND
<b>WH</b>	WEEP HOLE
<b>WM</b>	WIRE MESH
<b>WS</b>	WATER SURFACE
<b>WSP</b>	WELDED STEEL PIPE
<b>WT</b>	WEIGHT
<b>WV</b>	WATER VALVE
<b>WW</b>	WINGWALL
<b>WWLOL</b>	WINGWALL LAYOUT LINE

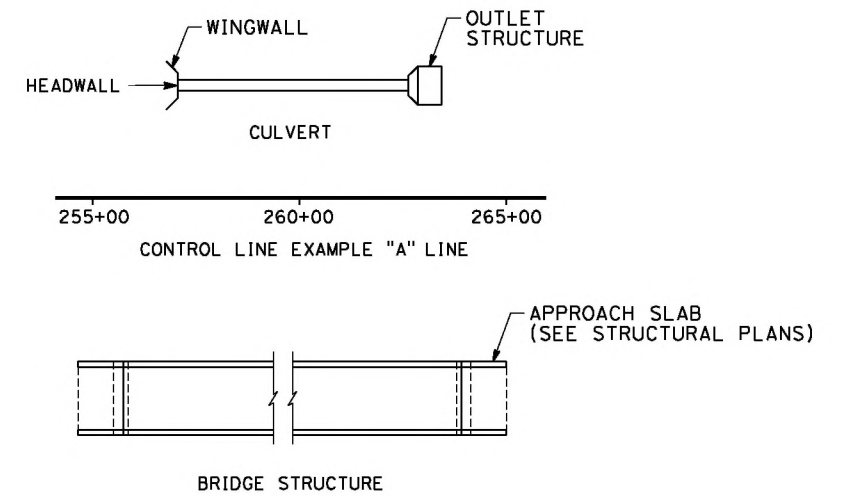
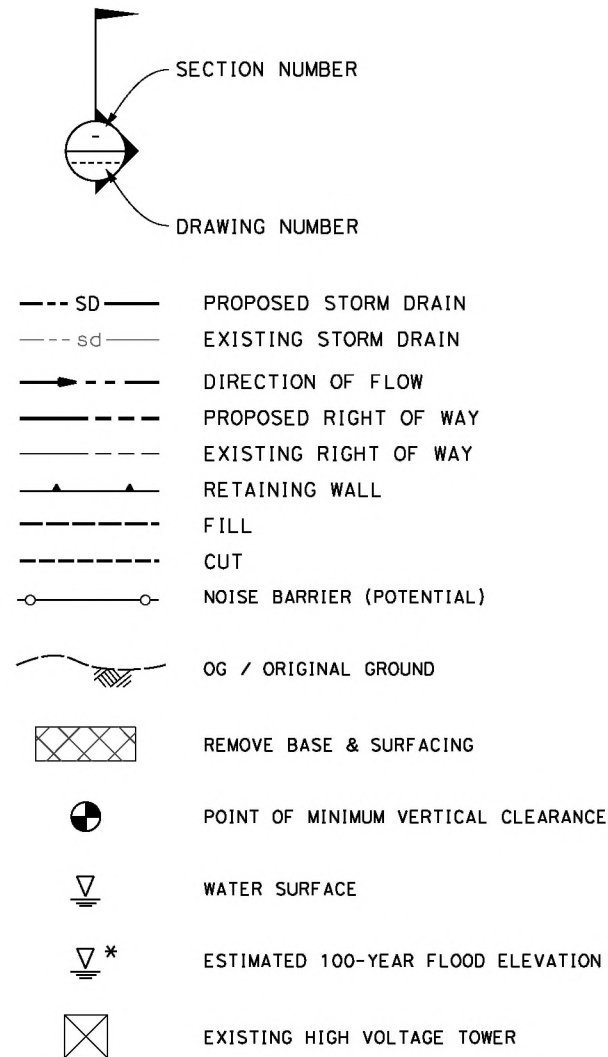
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<b>W/</b>	WITH
	<b>X</b>
<b>X SEC XING</b>	CROSS SECTION CROSSING
	<b>Y</b>
<b>YR</b>	YEAR
<b>YRS</b>	YEARS

**GENERAL NOTES**

1. MINIMUM VERTICAL CLEARANCE REQUIREMENTS TO CANALS AND DITCHES ARE NOT KNOWN. FURTHER CONSULTATION WITH THE WATERCOURSE OWNERS WILL BE REQUIRED TO DETERMINE NECESSARY CLEARANCES. 3'-0" FREEBOARD HAS BEEN ALLOWED OVER THE 100-YEAR FLOOD LEVEL ELEVATIONS OF THE WASHES AND LA RIVER.
2. STA 296+82.67 (SPRUCE CT) IS THE NORTHERN LIMIT OF THE PALMDALE TO BURBANK ENVIRONMENTAL DOCUMENT. NORTH OF THIS POINT REFERS TO BAKERSFIELD- PALMDALE ENVIRONMENTAL DOCUMENT. DESIGN FEATURES BETWEEN STA 265+00.00 AND 296+82.67 (SPRUCE CT) SHOWN FOR REFERENCE ONLY.

**LEGEND**



0400073

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	JC ALAMILLA
DRAWN BY	JC ALAMILLA
CHECKED BY	R. RODRIGUEZ
IN CHARGE	A. RELANO
DATE	04/30/2021

PEPD RECORD SET  
REV02

NOT FOR  
CONSTRUCTION



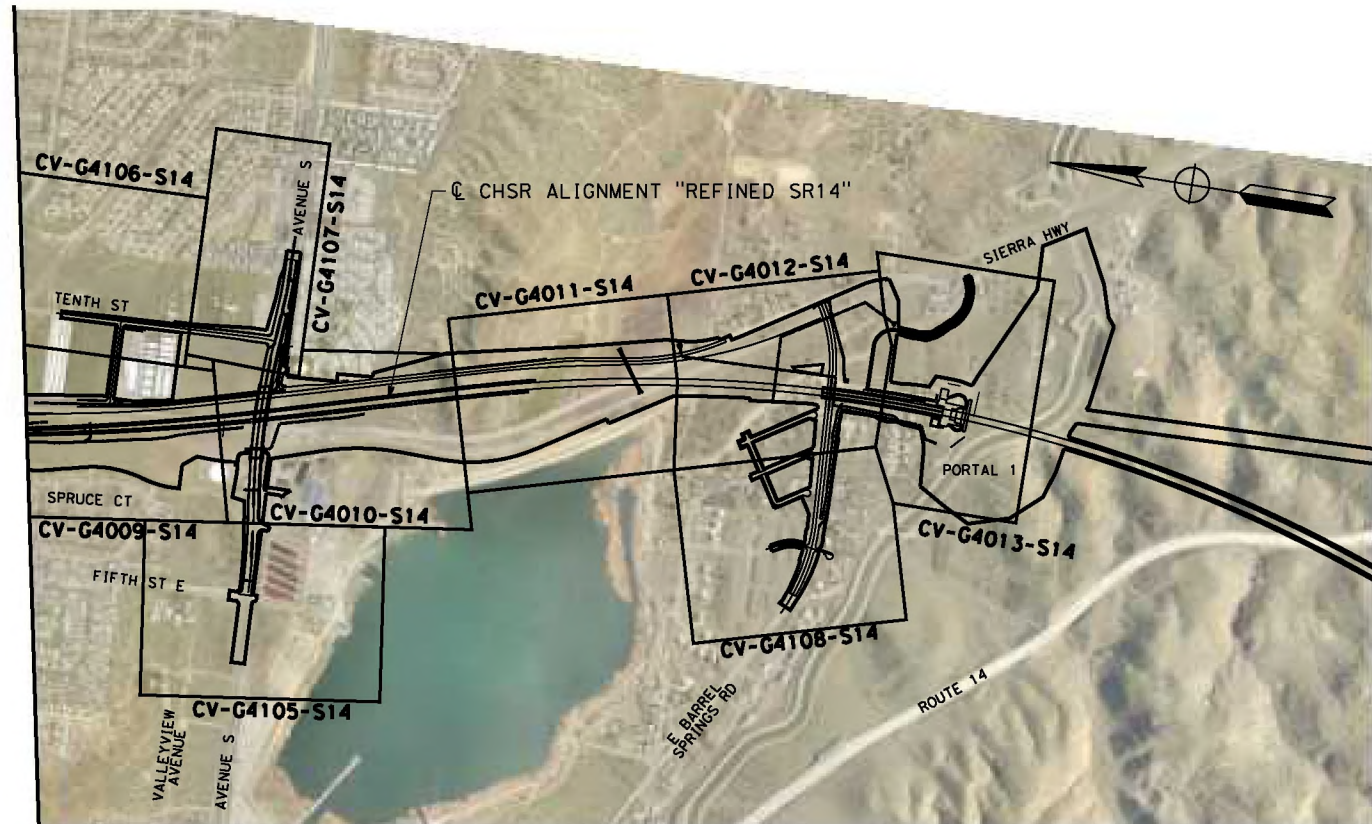
**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**

ALIGNMENT "REFINED SR14/E1/E2"  
GRADING AND DRAINAGE  
ABBREVIATIONS AND LEGEND

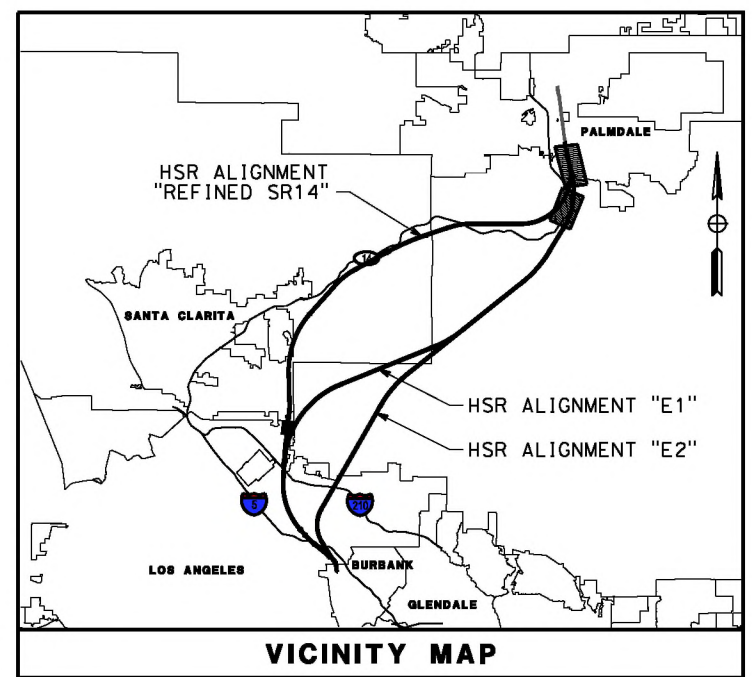
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DRAWING NO.	CV-B0008
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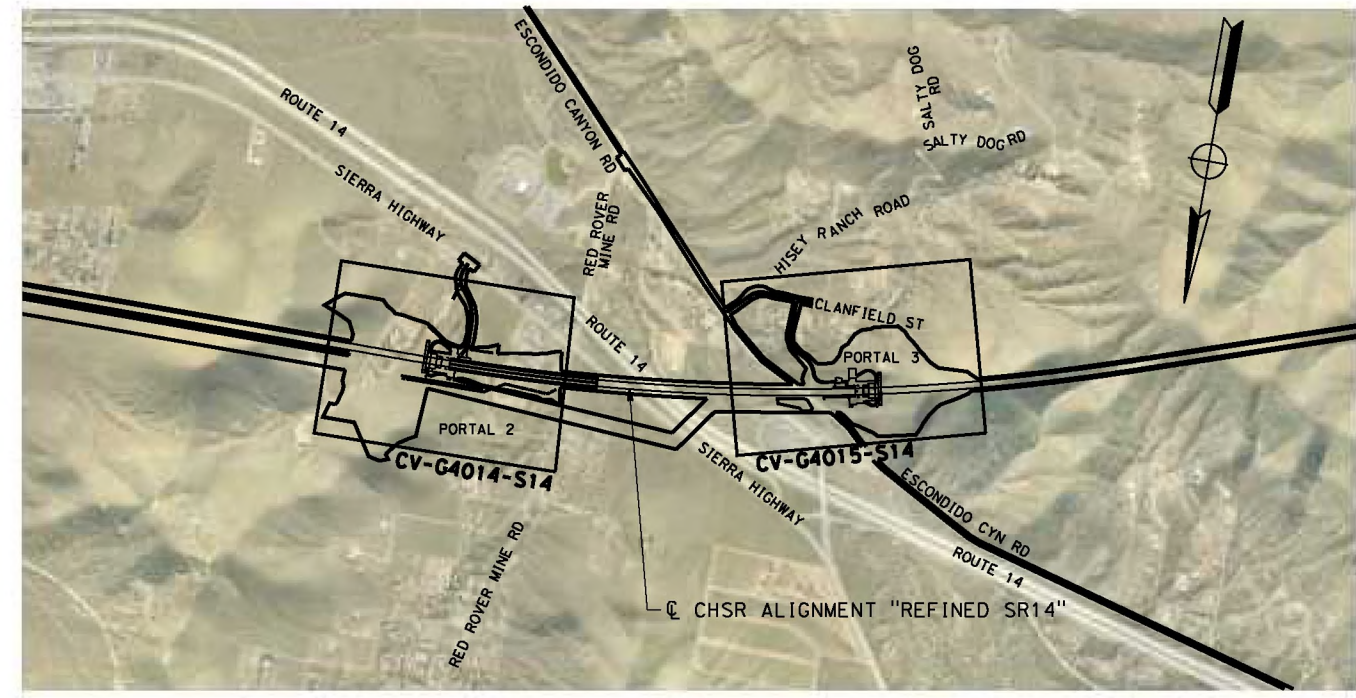
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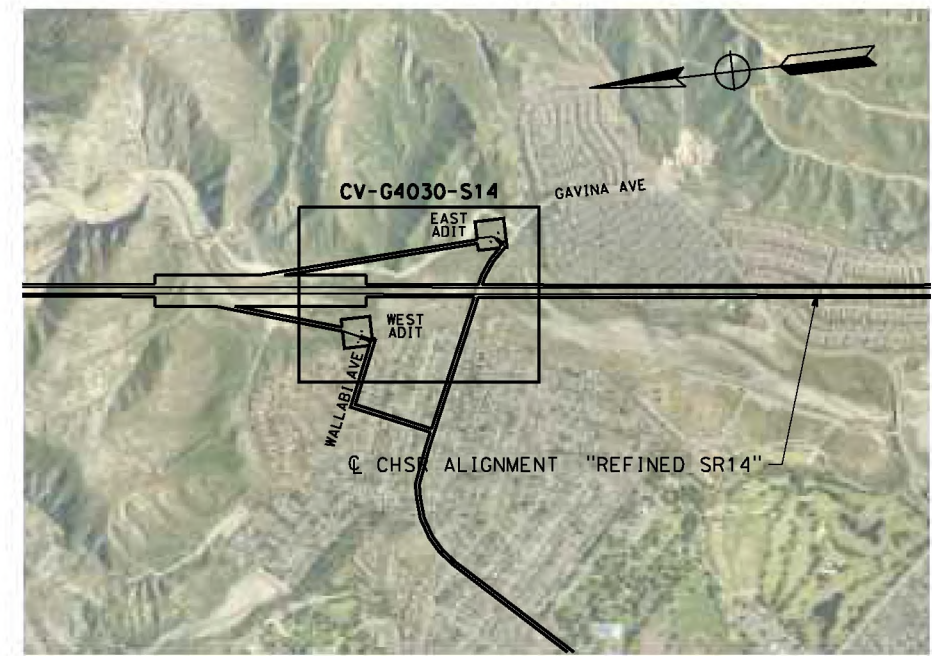
**S14**



**VICINITY MAP**



**S14**



**S14**

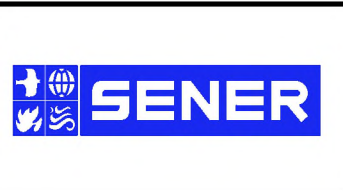


REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>JC ALAMILLA</b>
DRAWN BY <b>JC ALAMILLA</b>
CHECKED BY <b>R. RODRIGUEZ</b>
IN CHARGE <b>A. RELANO</b>
DATE <b>04/30/2021</b>

**PEPD RECORD SET**  
REV 02

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "REFINED SR14"

GRADING AND DRAINAGE PLAN  
 KEY MAP 1 OF 3

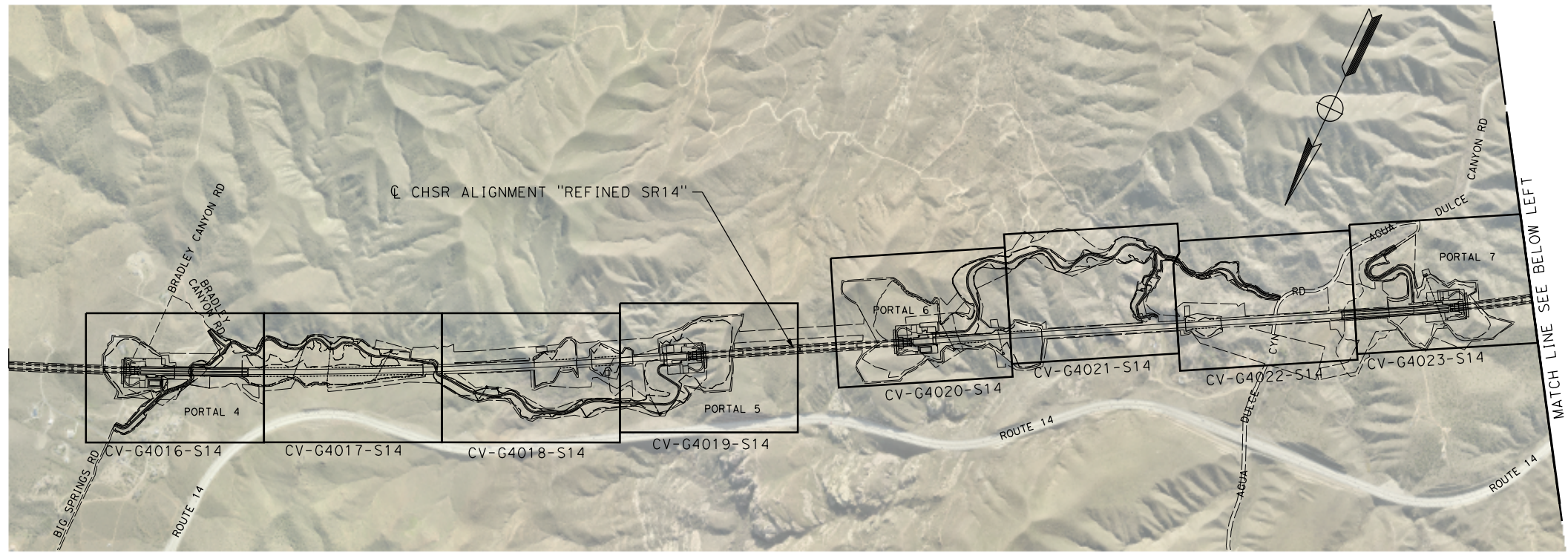
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SHEET NO.



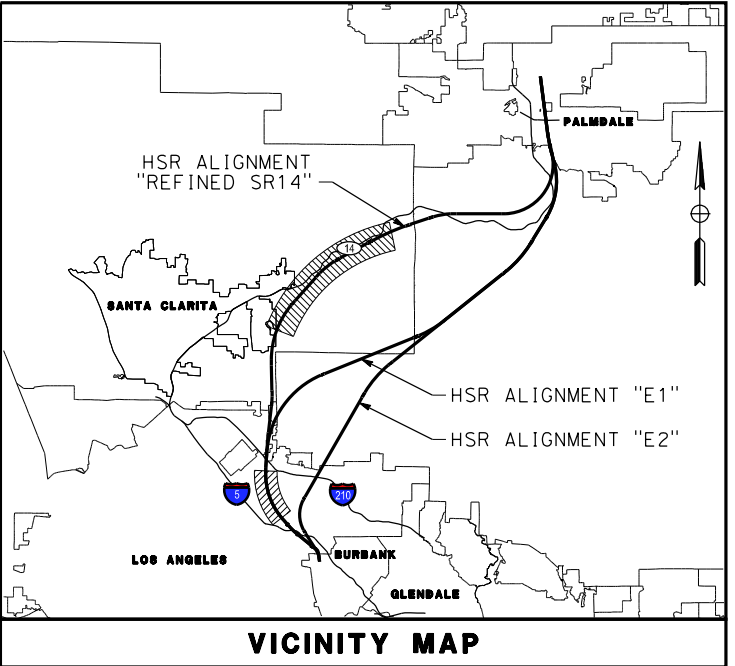
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**S14**



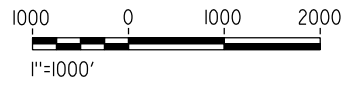
**VICINITY MAP**



**S14**



**S14**



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. CORDOBA  
DRAWN BY  
D. CORDOBA  
CHECKED BY  
I. LAQUIDAIN  
IN CHARGE  
A. RELAÑO  
DATE  
12/30/2023

**PEPD RECORD SET  
REV 02  
NOT FOR  
CONSTRUCTION**

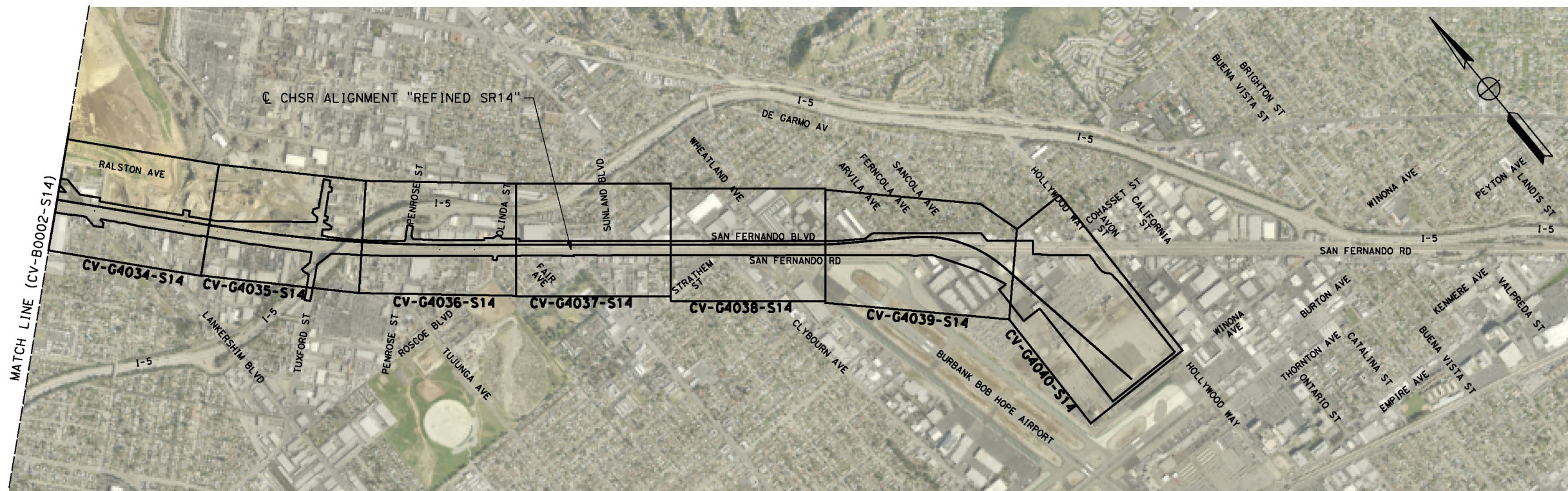
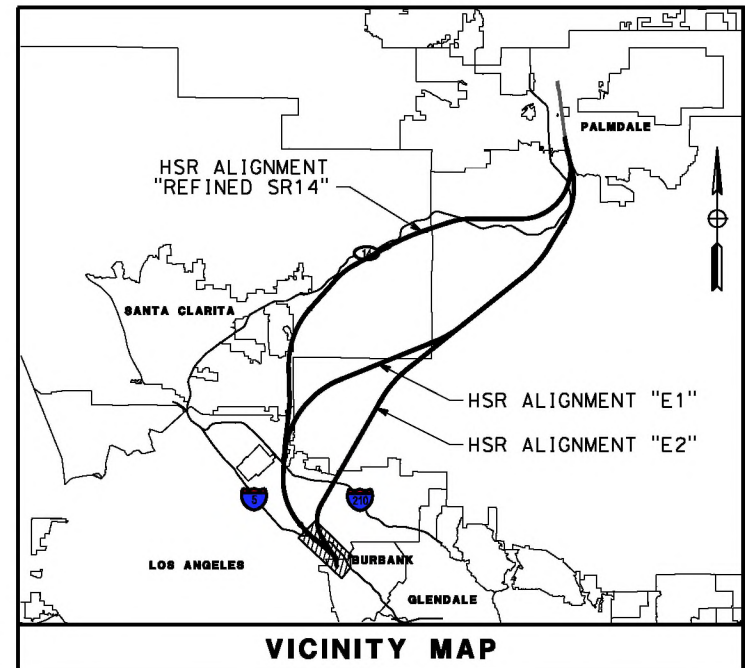


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
GRADING AND DRAINAGE PLAN  
KEY MAP 2 OF 3

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
CV-B0002-S14  
SCALE  
AS SHOWN  
SHEET NO.



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**S14**



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**

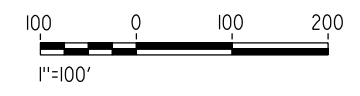
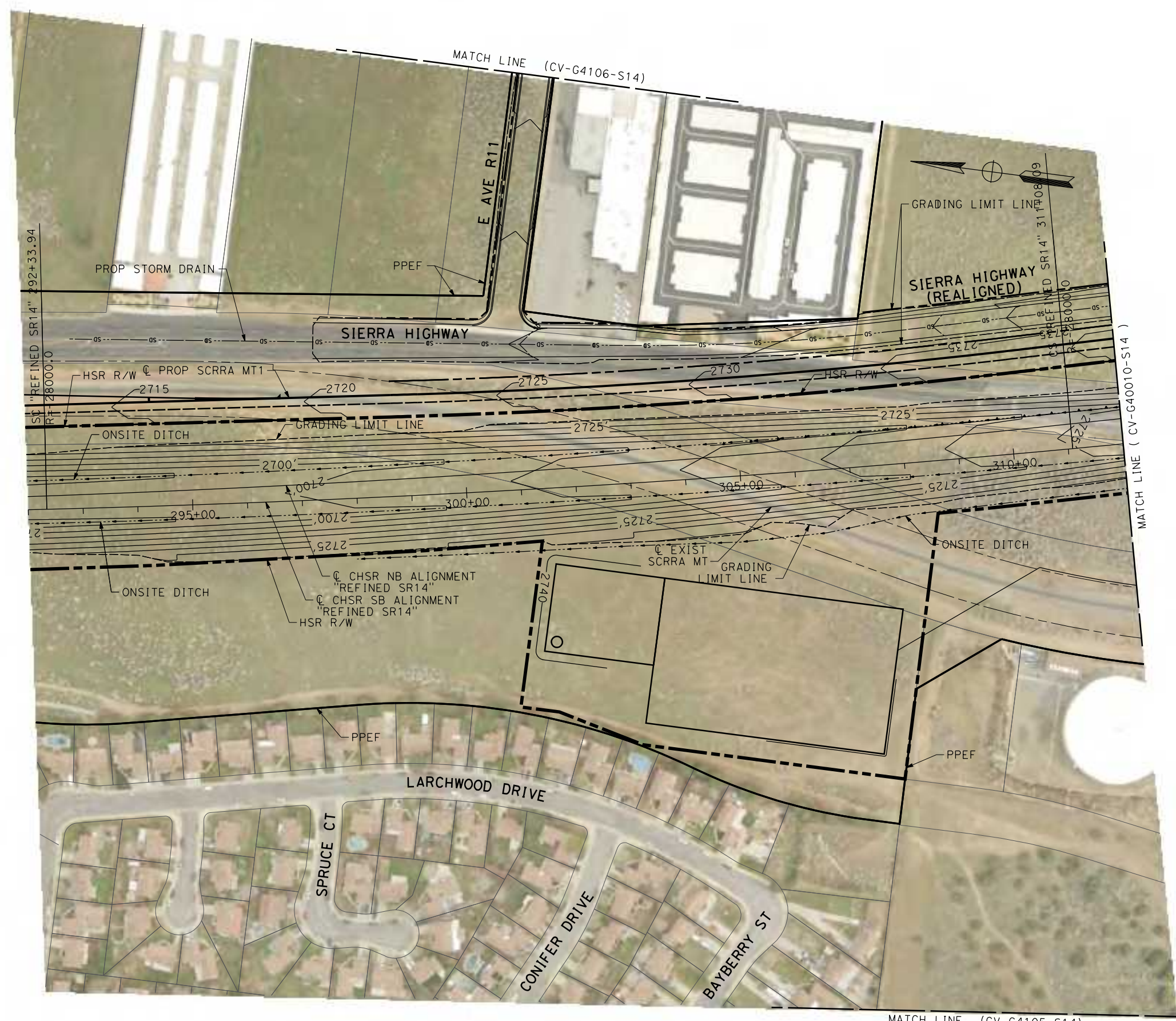


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "REFINED SR14"  
  
 GRADING AND DRAINAGE PLAN  
 KEY MAP 3 of 3

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
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 SCALE  
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

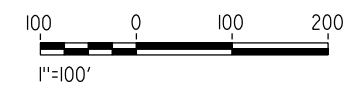
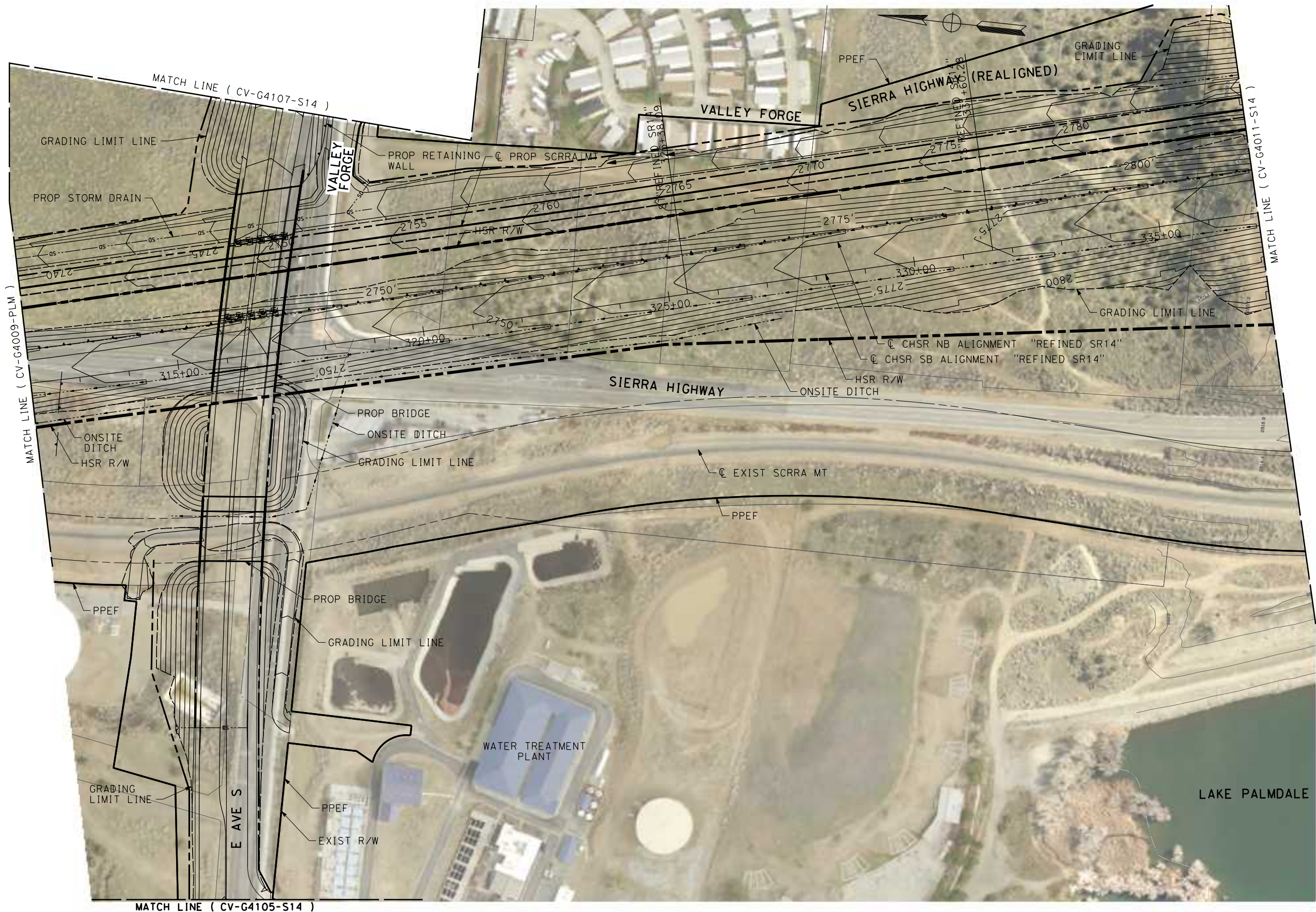


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
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REV	DATE	BY	CHK	APP	DESCRIPTION

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**JC ALAMILLA**  
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**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

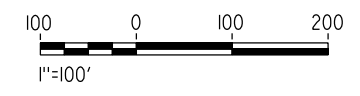
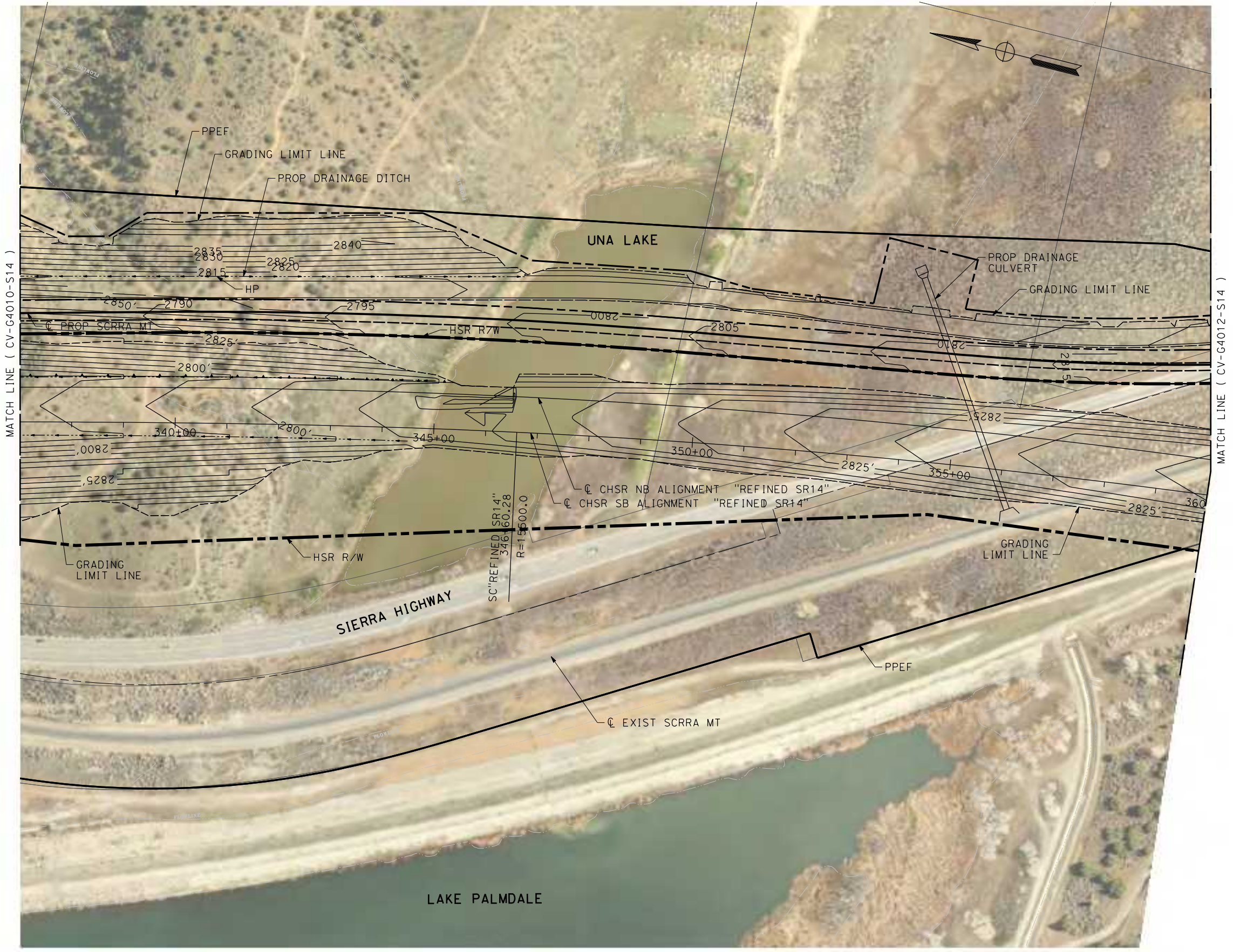


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
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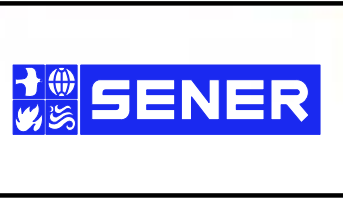
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
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**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
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**NOT FOR CONSTRUCTION**

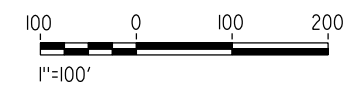
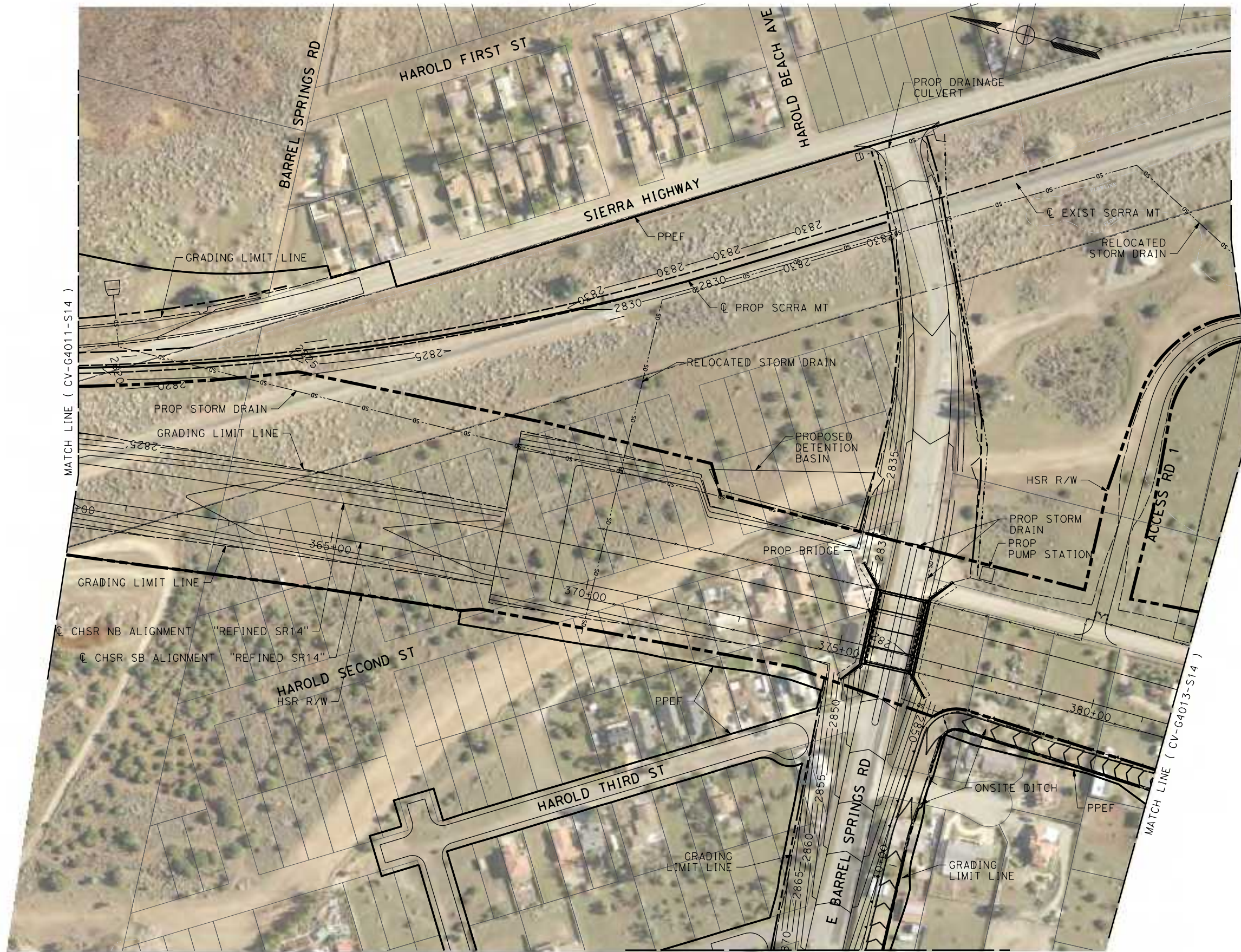


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
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REV	DATE	BY	CHK	APP	DESCRIPTION

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**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
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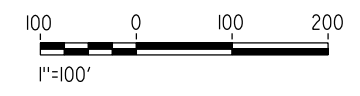
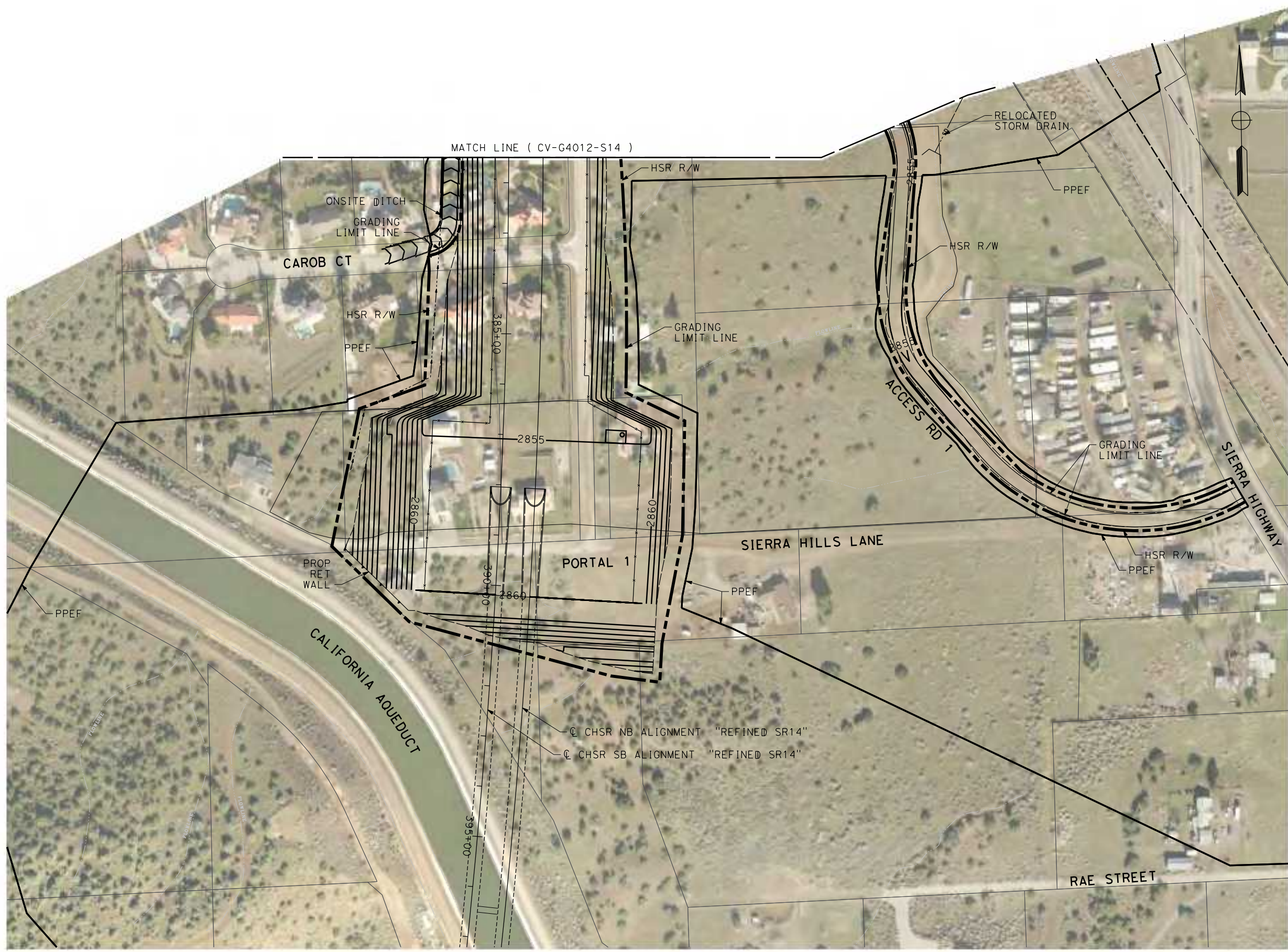


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
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DRAWING NO.  
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REV	DATE	BY	CHK	APP	DESCRIPTION

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**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
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**A. RELANO**  
DATE  
**04/30/2021**

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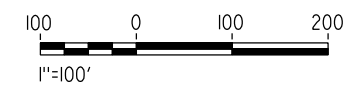
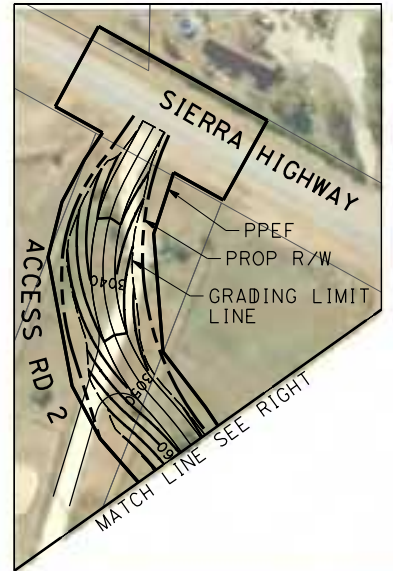


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
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DRAWING NO.  
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REV	DATE	BY	CHK	APP	DESCRIPTION

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**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
 REV 02  
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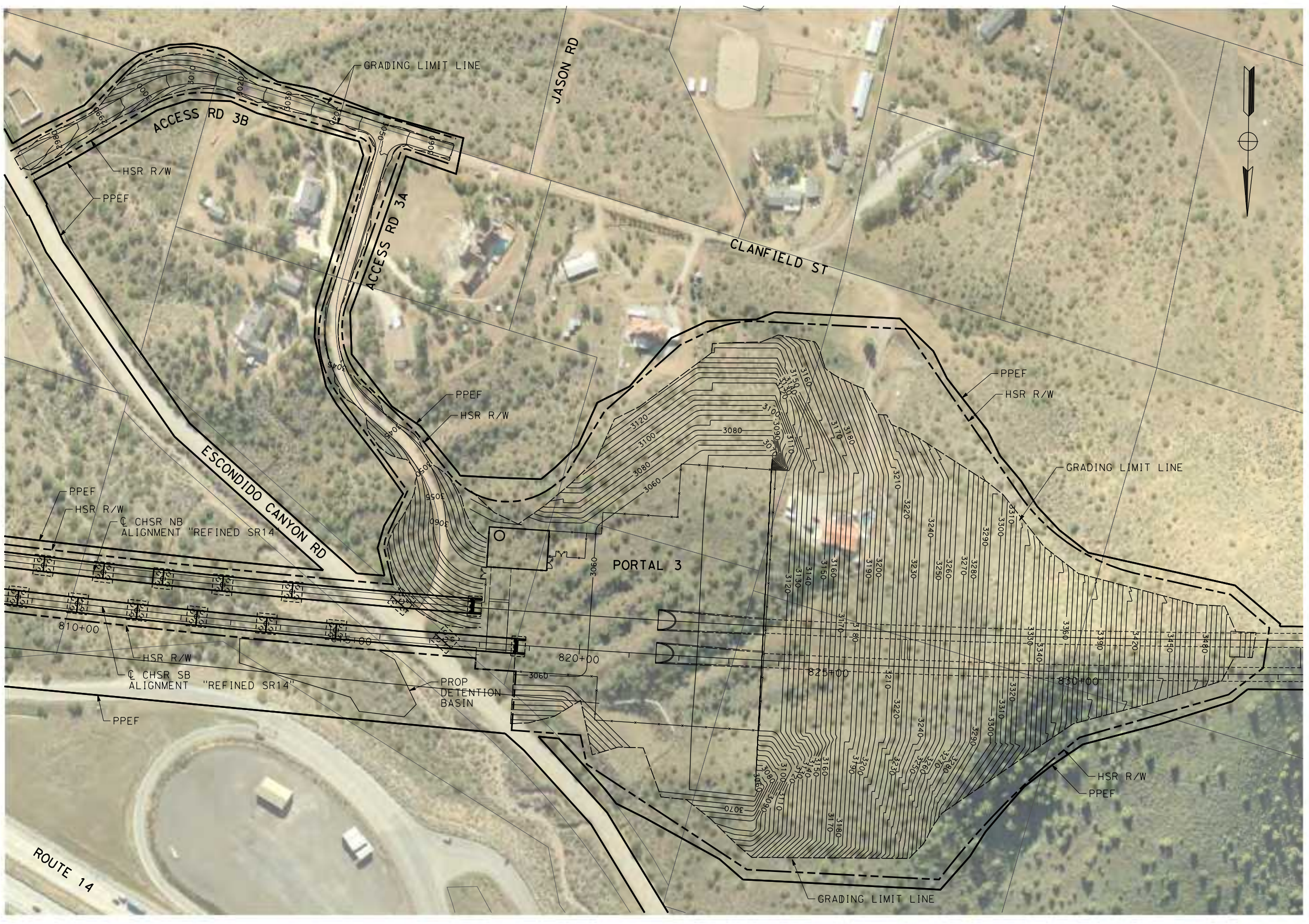


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "REFINED SR14"  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
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DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
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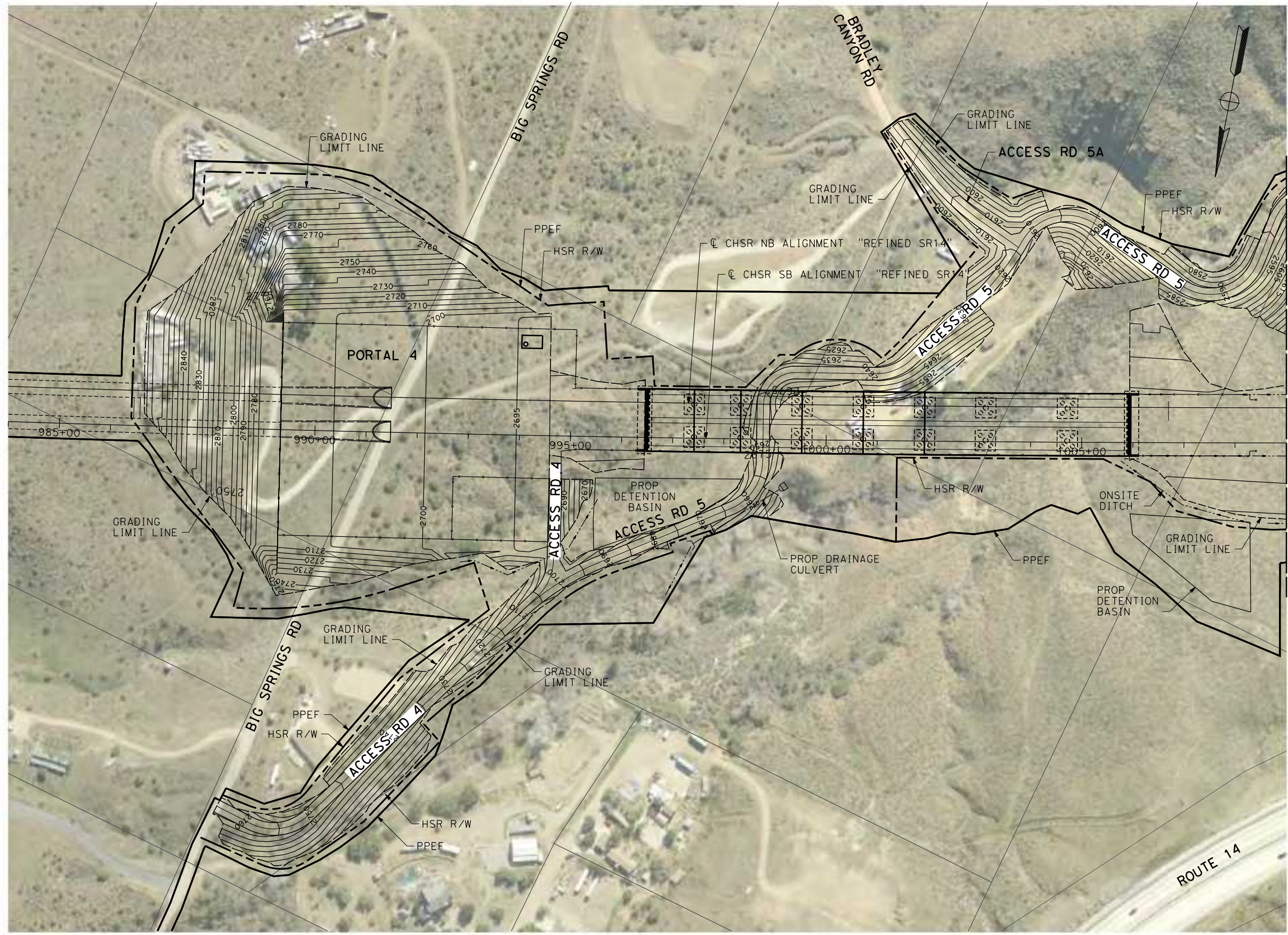


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

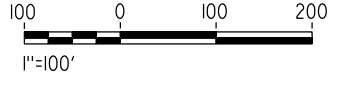
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 0400073



MATCH LINE ( CV-G4017-S14 )



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DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
 REV 02  
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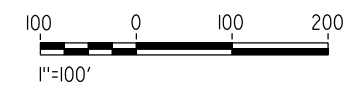


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "REFINED SR14"  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
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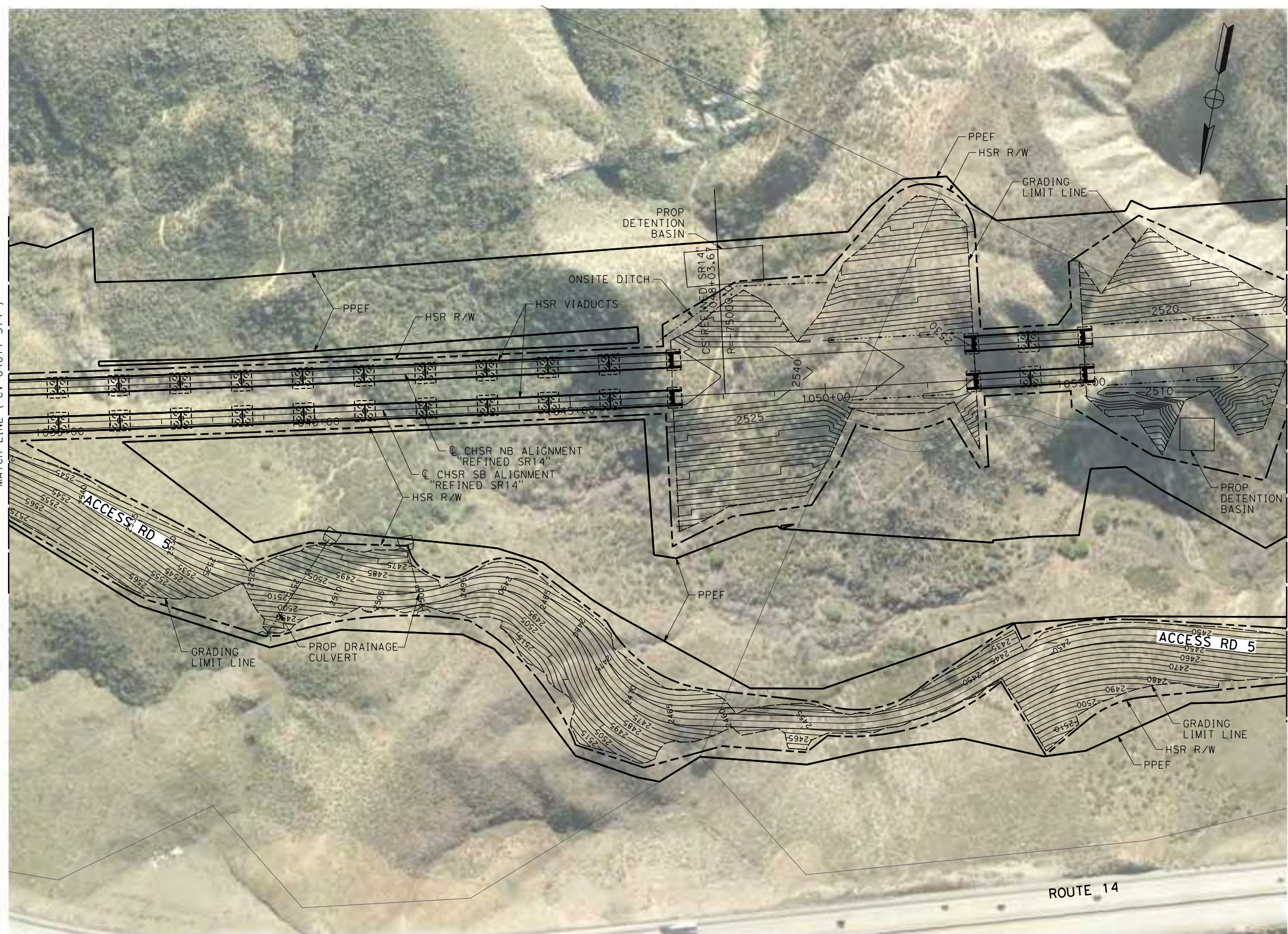


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

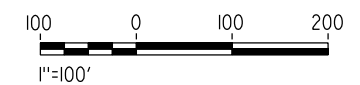
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DRAWING NO.  
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SHEET NO.



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MATCH LINE ( CV-G4019-S14 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

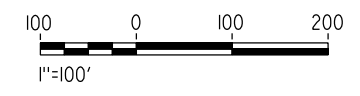


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
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**AS SHOWN**  
SHEET NO.



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 4/27/2021 3:58:20 PM  
 0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

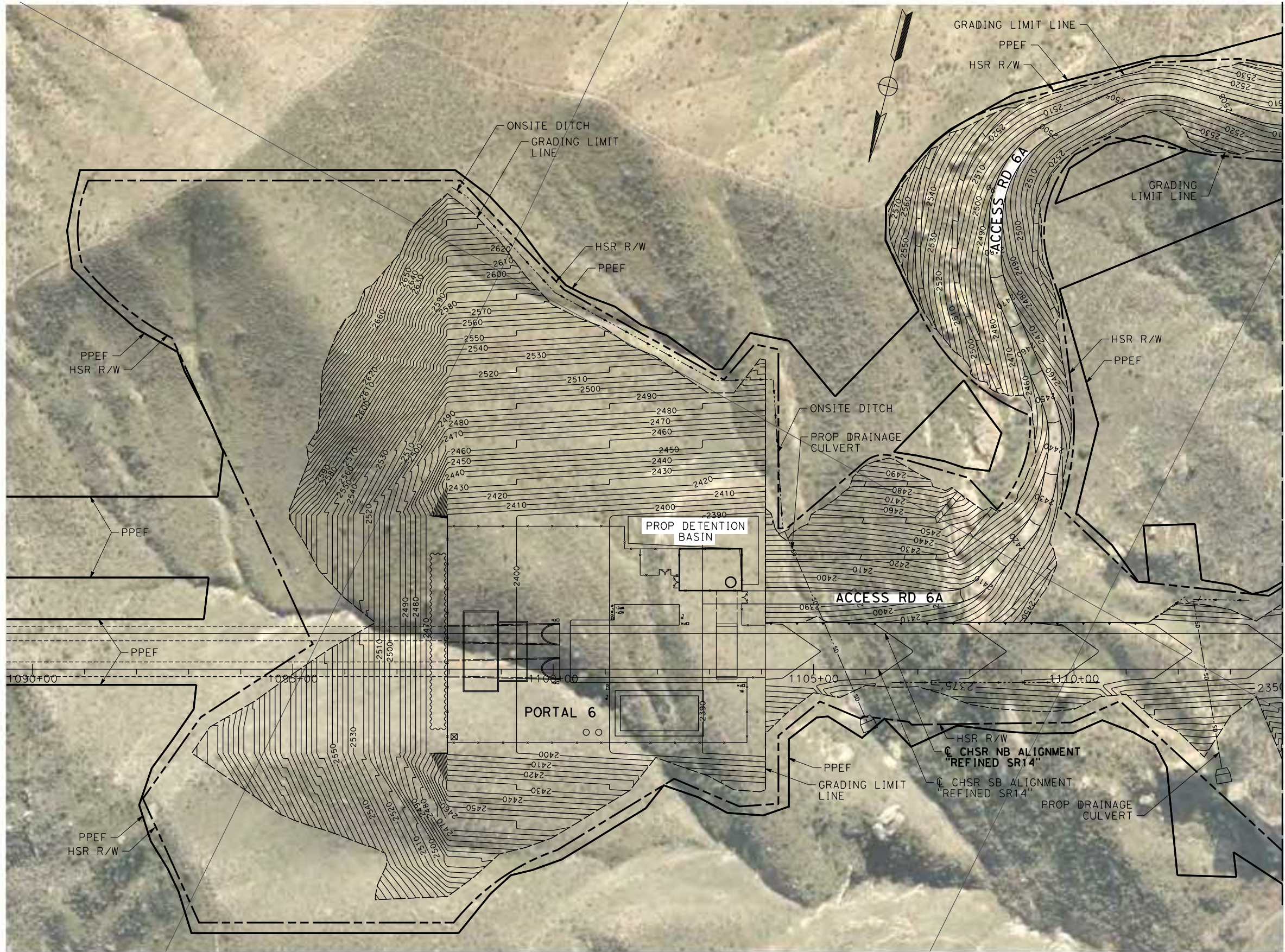


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
**GRADING AND DRAINAGE PLAN**

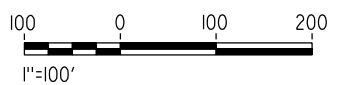
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MATCH LINE ( CV-G4021-S14 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
  
**GRADING AND DRAINAGE PLAN**

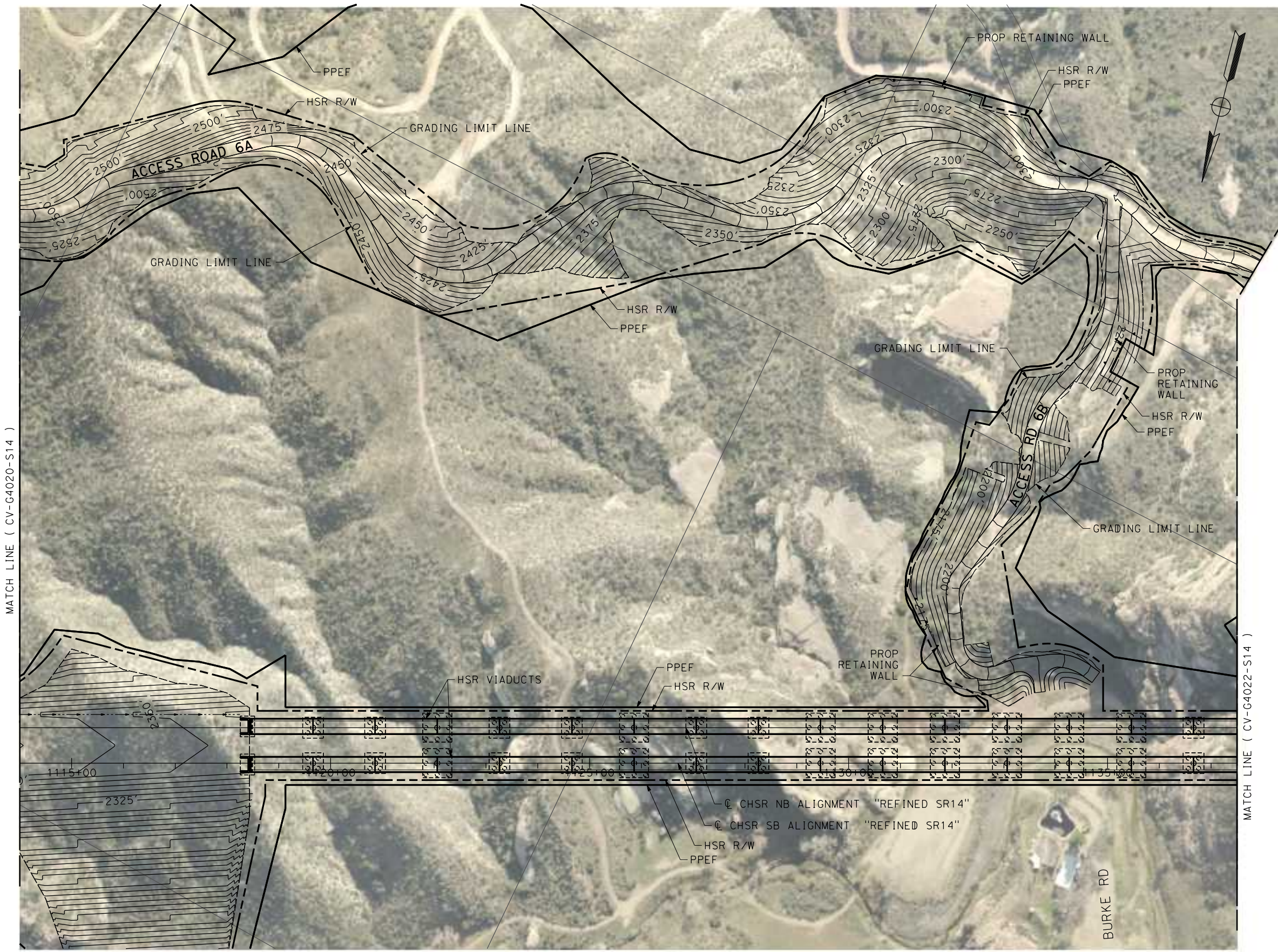
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**HSR14-42**  
DRAWING NO.  
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SCALE  
**AS SHOWN**  
SHEET NO.



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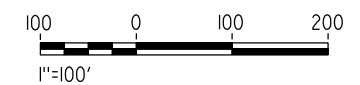
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0400074



MATCH LINE ( CV-G4020-S14 )

MATCH LINE ( CV-G4022-S14 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET  
REV 02  
NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK  
ALIGNMENT "REFINED SR14"  
GRADING AND DRAINAGE PLAN**

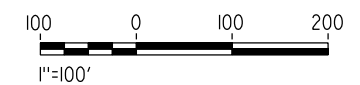
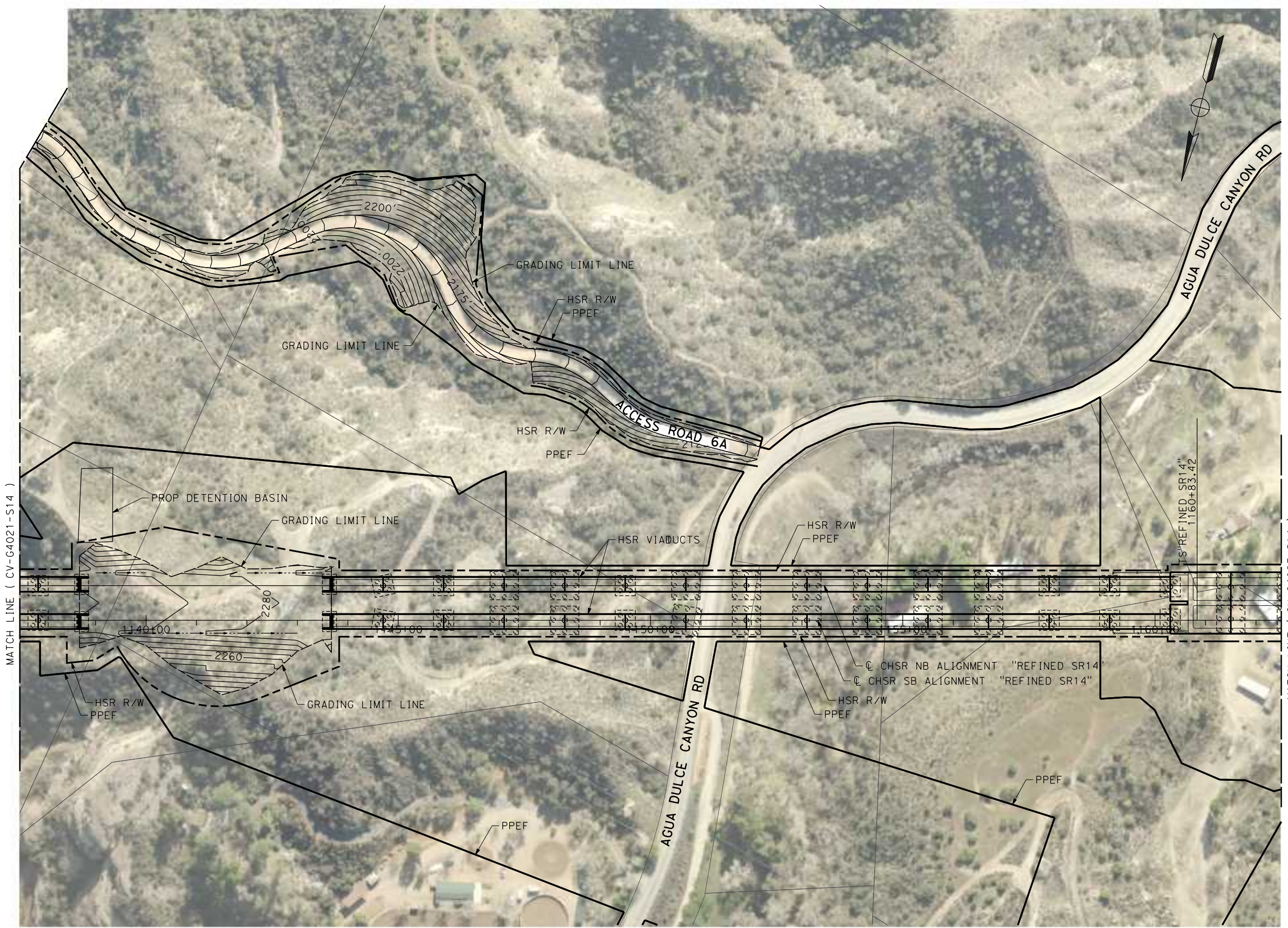
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DRAWING NO.  
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SCALE  
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SHEET NO.



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5/20/2021 10:57:05 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
**GRADING AND DRAINAGE PLAN**

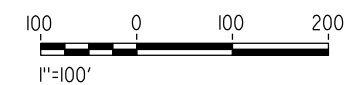
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SCALE  
**AS SHOWN**  
SHEET NO.



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4/20/2021 8:58:11 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

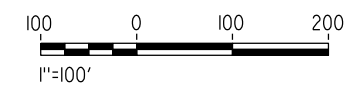
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SHEET NO.



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4/20/2021 8:58:25 AM

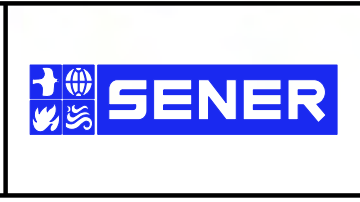
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET  
REV 02**  
  
**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

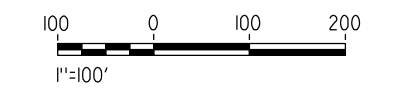
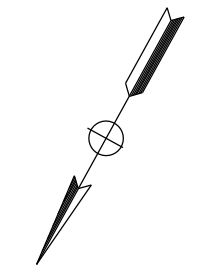
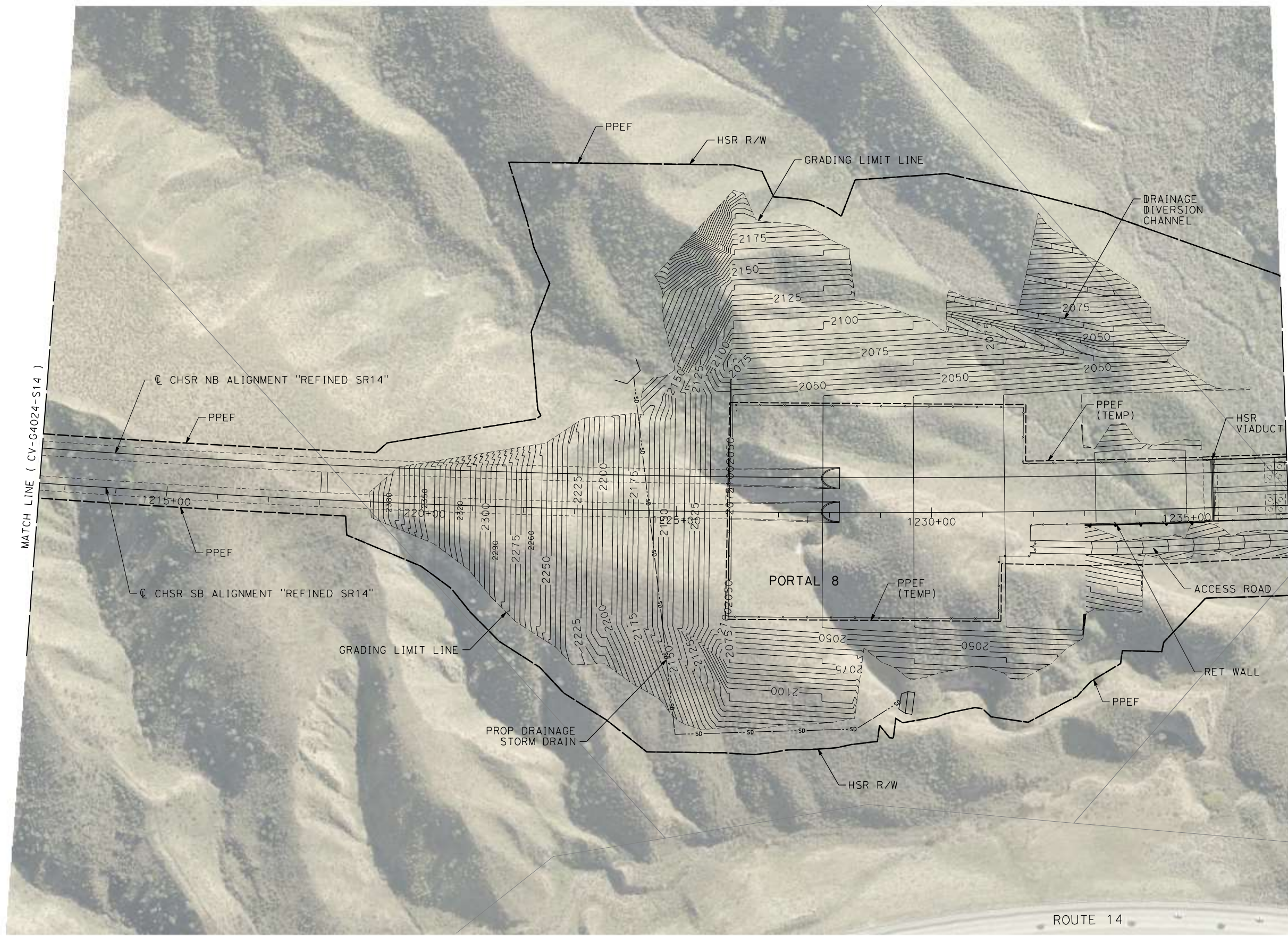
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**HSR14-42**  
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SCALE  
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SHEET NO.



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1/23/2024 2:49:01 PM

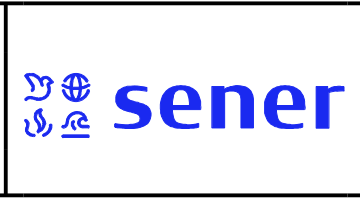
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. CORDOBA**  
DRAWN BY  
**D. CORDOBA**  
CHECKED BY  
**J. LAQUIDAIN**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**12/30/2023**

**PEPD RECORD SET  
REV 02**  
  
**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
  
GRADING AND DRAINAGE PLAN

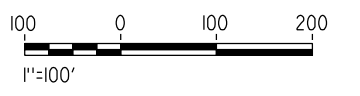
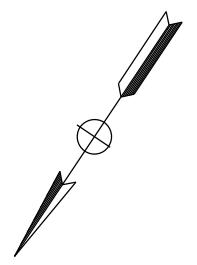
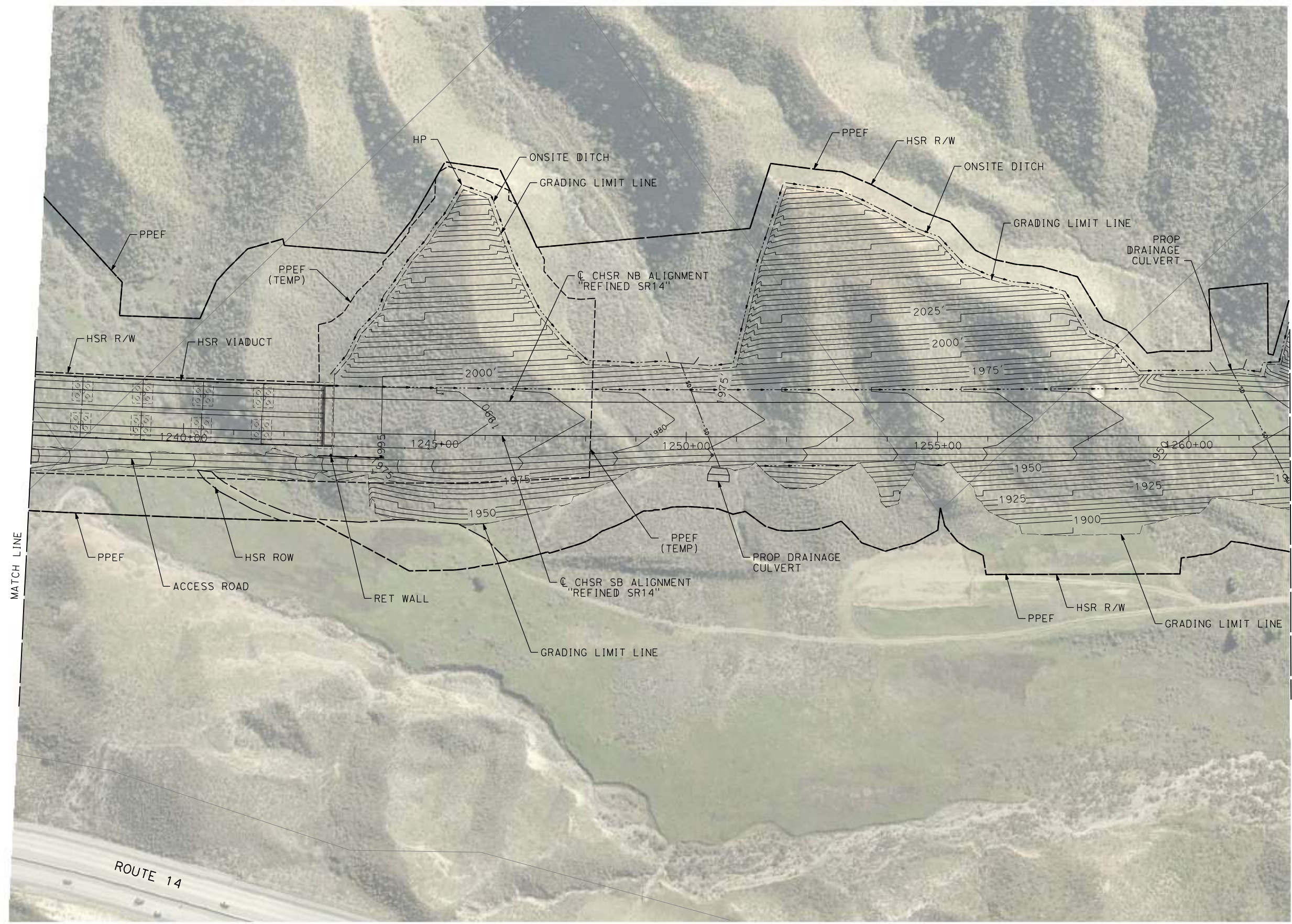
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DRAWING NO.  
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SCALE  
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1/23/2024 2:53:21 PM

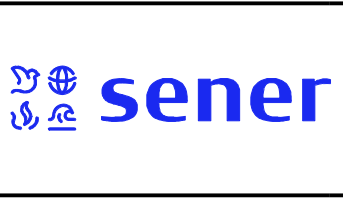
0400091



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. CORDOBA**  
DRAWN BY  
**D. CORDOBA**  
CHECKED BY  
**I. LAQUIDAIN**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**12/30/2023**

**PEPD RECORD SET  
REV 02**  
  
**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
  
GRADING AND DRAINAGE PLAN

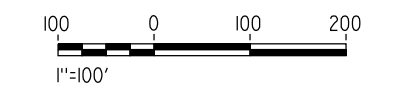
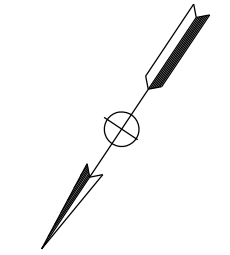
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DRAWING NO.  
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SCALE  
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SHEET NO.



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1/23/2024 2:56:08 PM

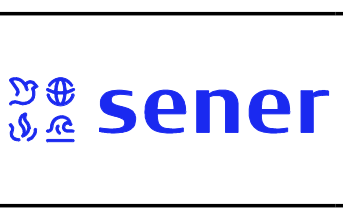
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. CORDOBA  
DRAWN BY  
D. CORDOBA  
CHECKED BY  
I. LAQUIDAIN  
IN CHARGE  
A. RELAÑO  
DATE  
12/30/2023

**PEPD RECORD SET  
REV 02**  
  
**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
  
GRADING AND DRAINAGE PLAN

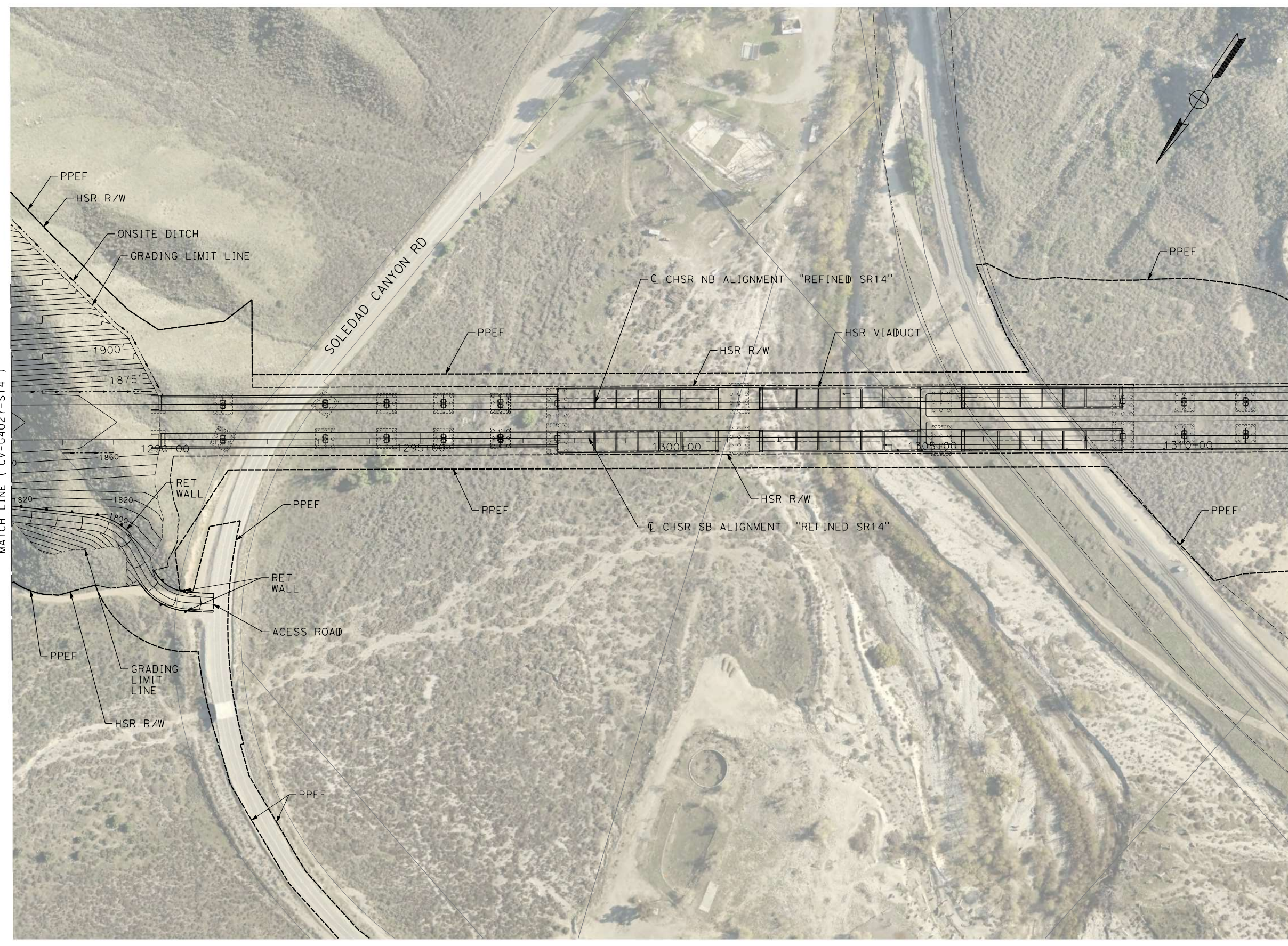
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SCALE  
AS SHOWN  
SHEET NO.



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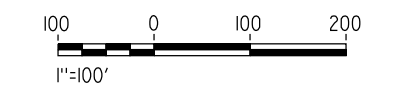
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MATCH LINE ( CV-G4027-S14 )

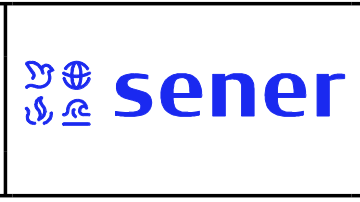
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. CORDOBA  
DRAWN BY  
D. CORDOBA  
CHECKED BY  
I. LAQUIDAIN  
IN CHARGE  
A. RELAÑO  
DATE  
12/30/2023

**PEPD RECORD SET  
REV 02**  
  
**NOT FOR  
CONSTRUCTION**

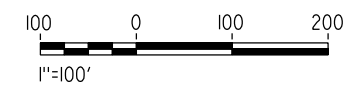
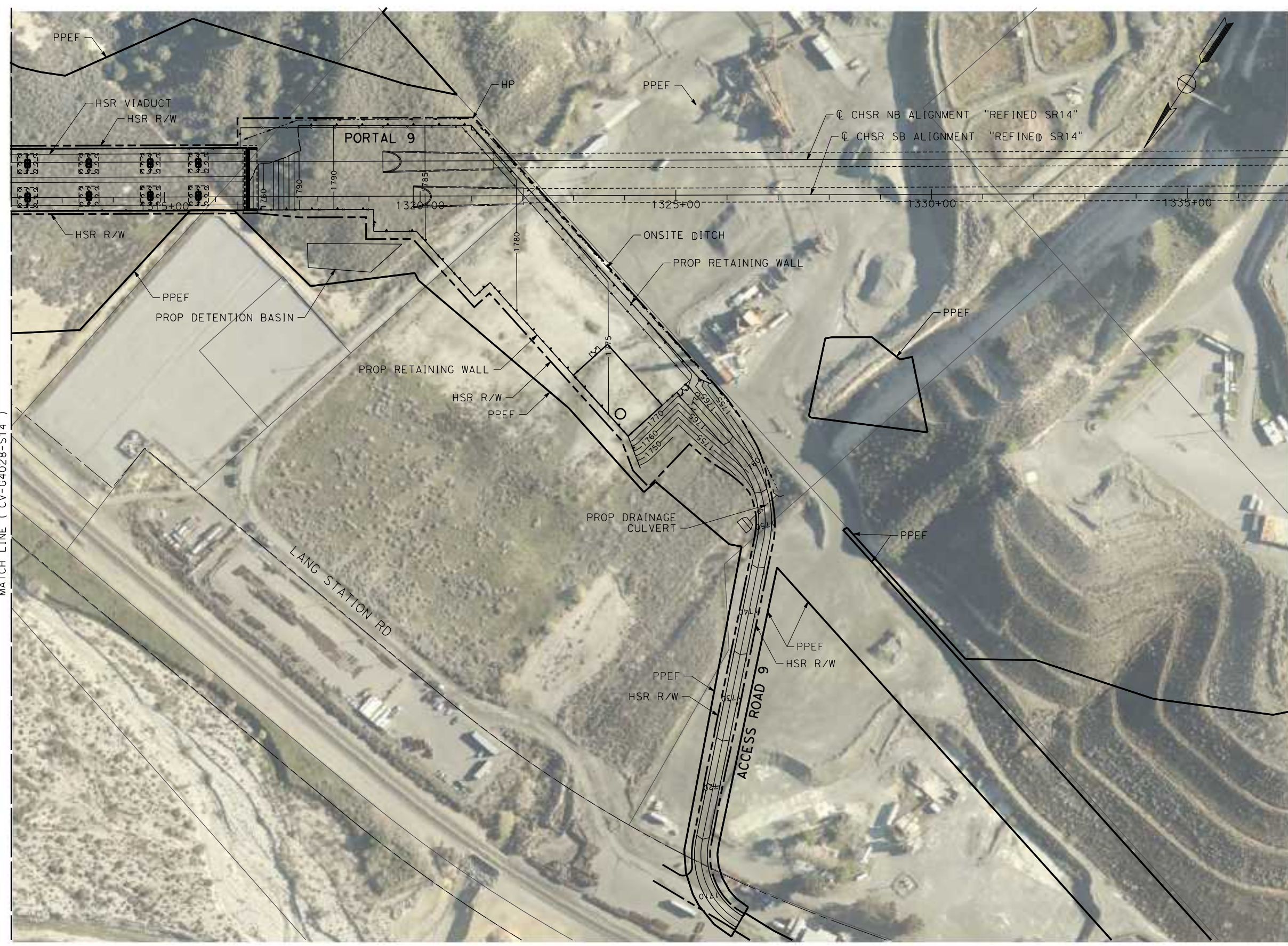


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
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SCALE  
AS SHOWN  
SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET  
REV 02**  
  
**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK  
ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

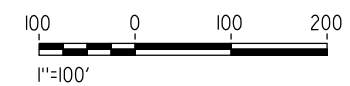
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SHEET NO.



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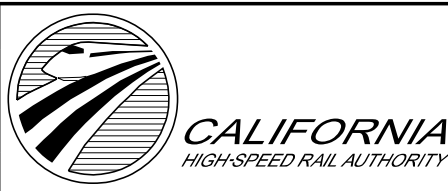
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
JC ALAMILLA  
DRAWN BY  
JC ALAMILLA  
CHECKED BY  
I. LAQUIDAIN  
IN CHARGE  
A. RELAÑO  
DATE  
12/30/2023

**PEPD RECORD SET  
REV 02**  
  
**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
  
GRADING AND DRAINAGE PLAN

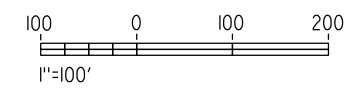
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DRAWING NO.  
CV-G4030-S14  
SCALE  
AS SHOWN  
SHEET NO.



MATCH LINE ( CV-G4109-S14 )



MATCH LINE ( CV-G4032-S14 )



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4/20/2021 9:00:01 AM

0400074

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
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SCALE  
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SHEET NO.



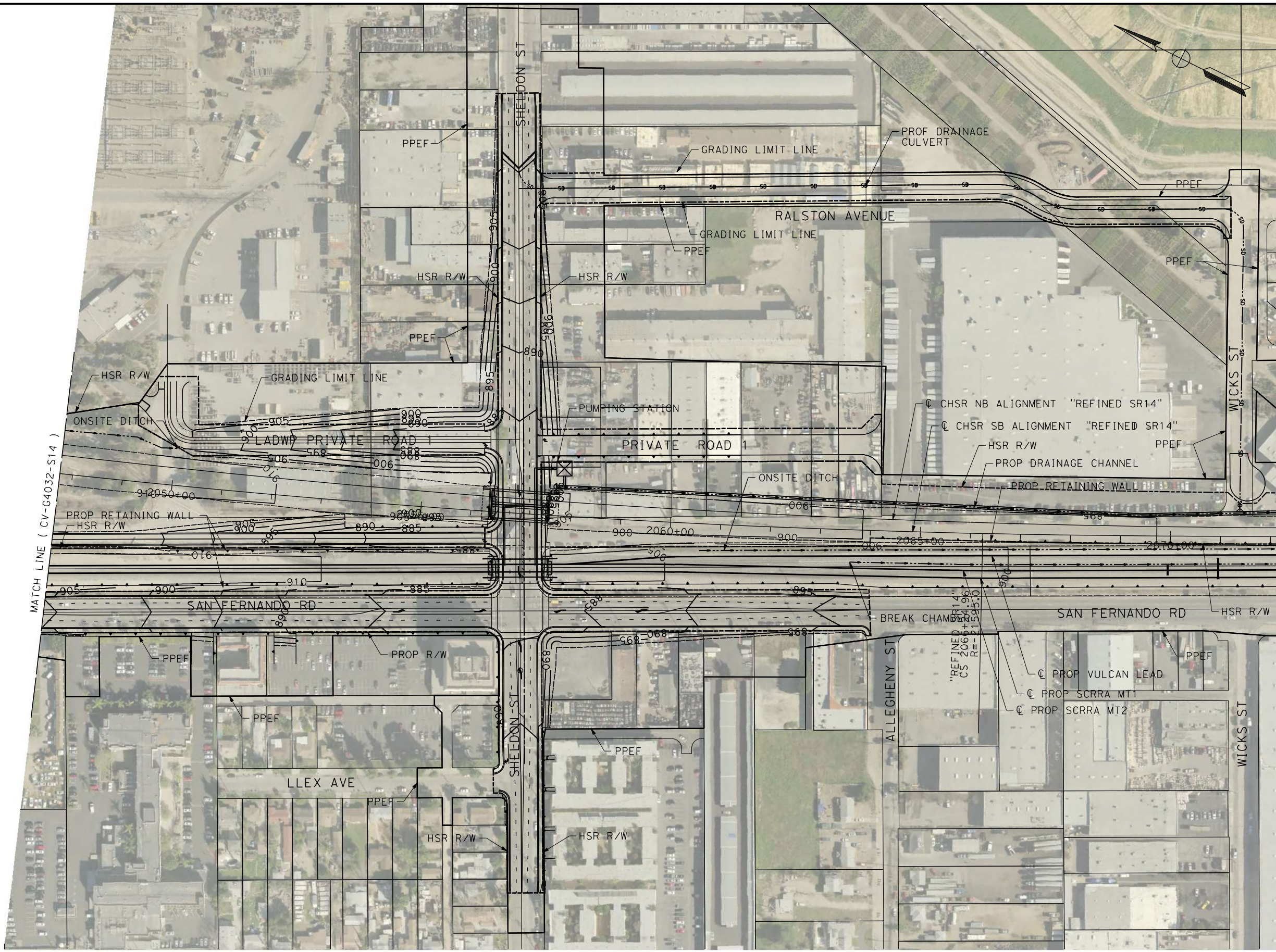




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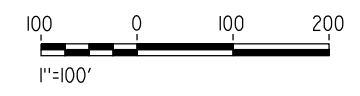
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0400091



MATCH LINE ( CV-G4032-S14 )

MATCH LINE ( CV-G4034-S14 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D CORDOBA  
DRAWN BY  
D CORDOBA  
CHECKED BY  
R. RODRIGUEZ  
IN CHARGE  
A. RELAÑO  
DATE  
12/30/2023

**PEPD RECORD SET  
REV 02**

**NOT FOR  
CONSTRUCTION**

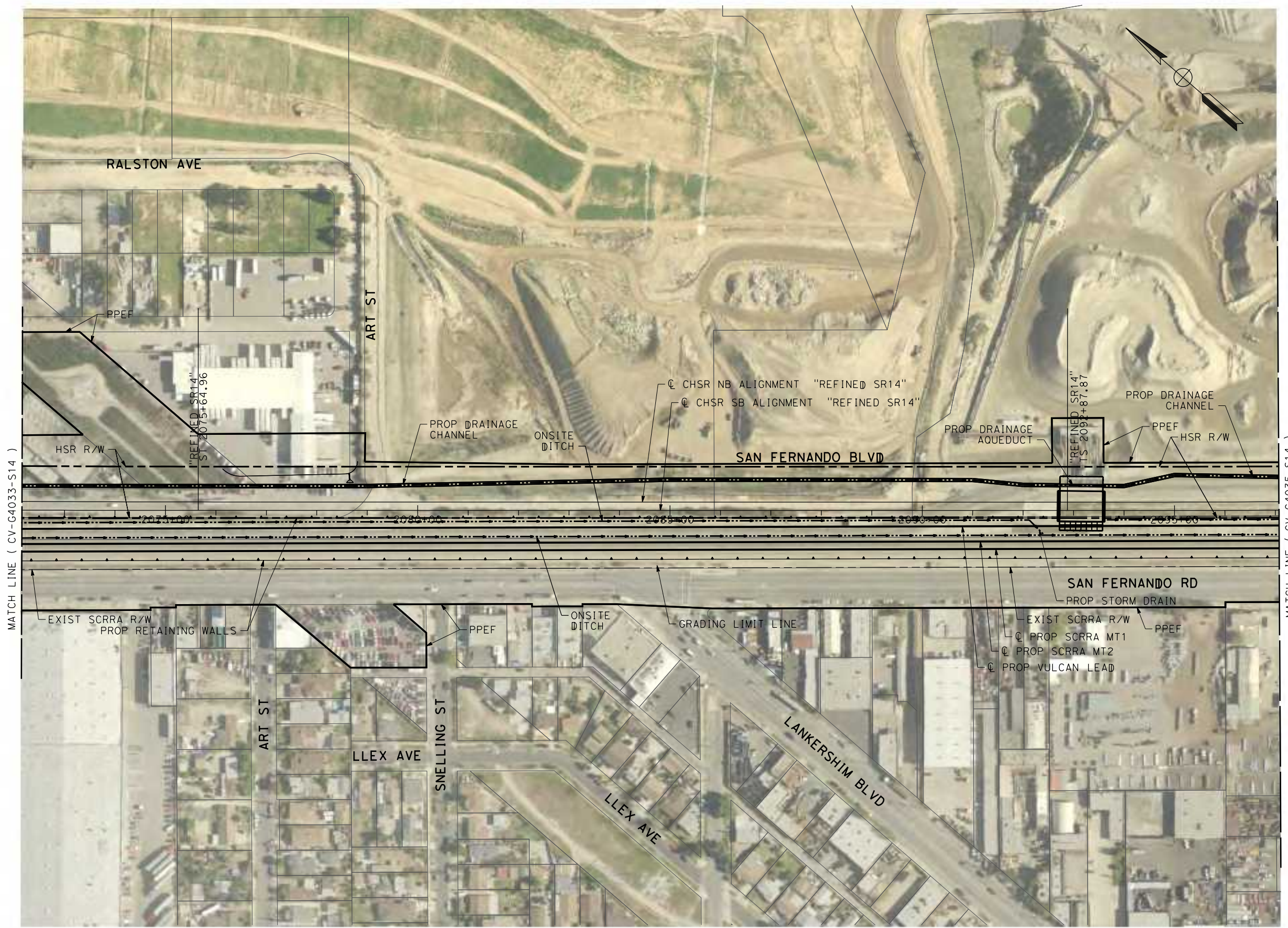


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
HSR14-42  
DRAWING NO.  
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SCALE  
AS SHOWN  
SHEET NO.

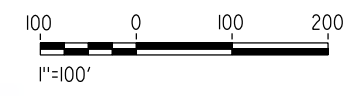


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MATCH LINE ( CV-G4033-S14 )

MATCH LINE ( CV-G4035-S14 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
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**NOT FOR CONSTRUCTION**

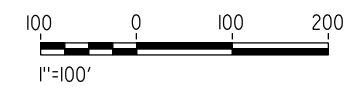


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
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 DRAWING NO.  
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
**CV-G4035-S14**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



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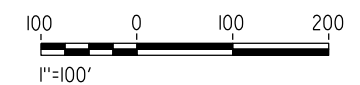
4/20/2021 9:01:10 AM

0400074



MATCH LINE ( CV-G4035-S14 )

MATCH LINE ( CV-G4037-S14 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4036-S14**  
SCALE  
**AS SHOWN**  
SHEET NO.



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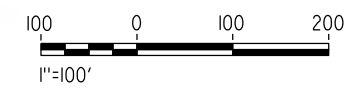
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0400074



MATCH LINE ( CV-G4036-S14 )

MATCH LINE ( CV-G4038-S14 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4037-S14**  
SCALE  
**AS SHOWN**  
SHEET NO.



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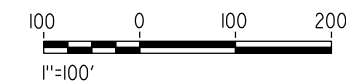
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0400074



MATCH LINE ( CV-G4037-S14 )

MATCH LINE ( CV-G4039-S14 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

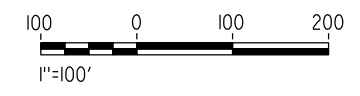
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SCALE  
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SHEET NO.



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4/20/2021 9:02:31 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4039-S14**  
SCALE  
**AS SHOWN**  
SHEET NO.



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4/20/2021 9:02:40 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



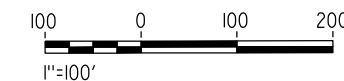
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**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
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SCALE  
**AS SHOWN**  
SHEET NO.



MATCH LINE (CV-4009-S14)

MATCH LINE (CV-4010-S14 )



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4/20/2021 9:02:49 AM

0400074

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**

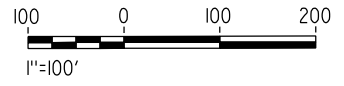


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
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SCALE  
**AS SHOWN**  
SHEET NO.



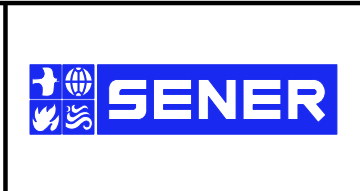
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 7/2/2021 5:08:07 PM  
 0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

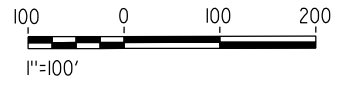
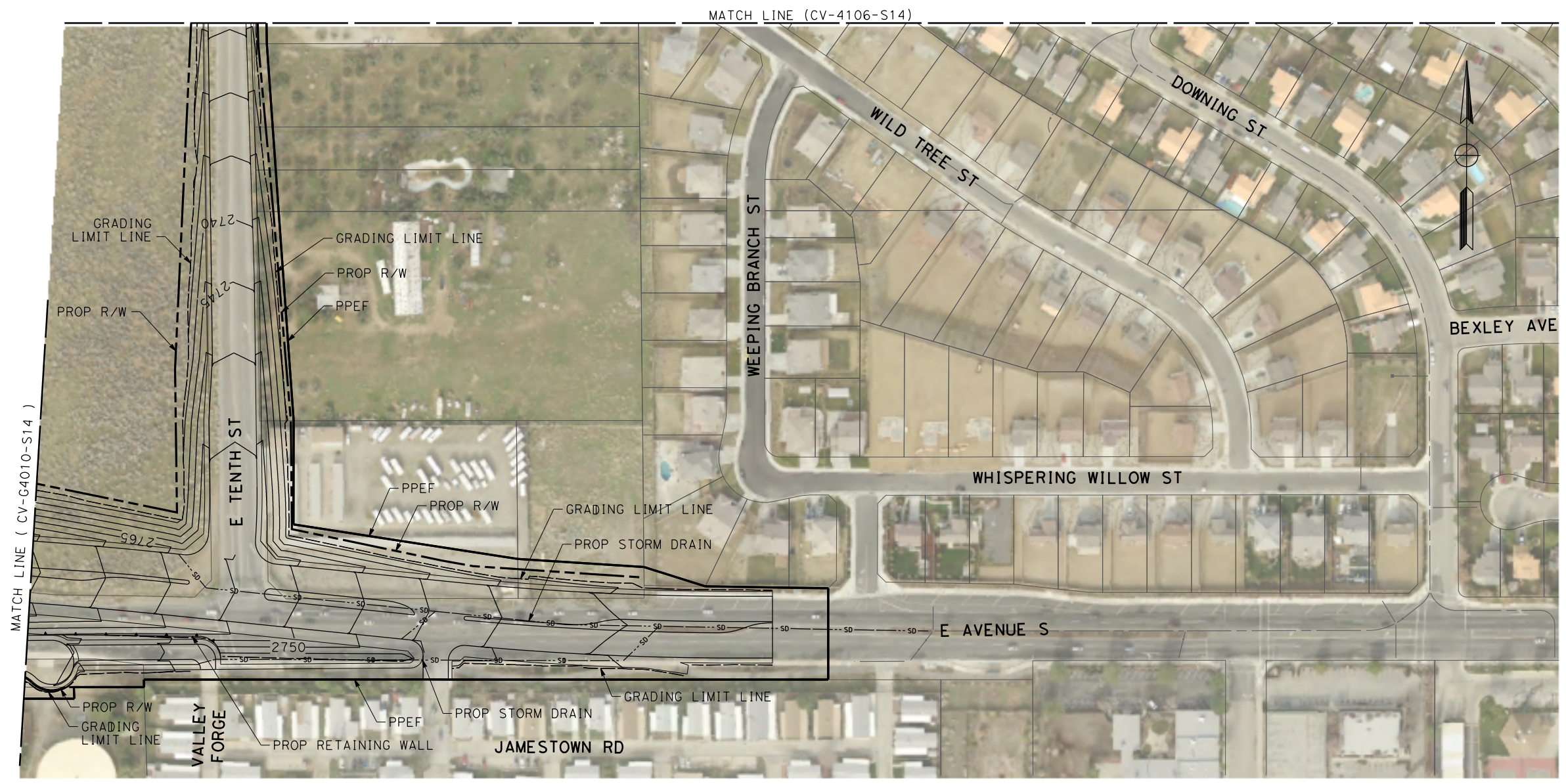


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "REFINED SR14"  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
**CV-G4106-S14**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET  
REV 02**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "REFINED SR14"  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**

DRAWING NO.  
**CV-G4107-S14**

SCALE  
**AS SHOWN**

SHEET NO.







c:\pwworking\chsr\dms19527\PB-CV-G4109-S14.dgn

4/20/2021 9:03:25 AM

0400074



MATCH LINE ( CV-G4031-S14 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**

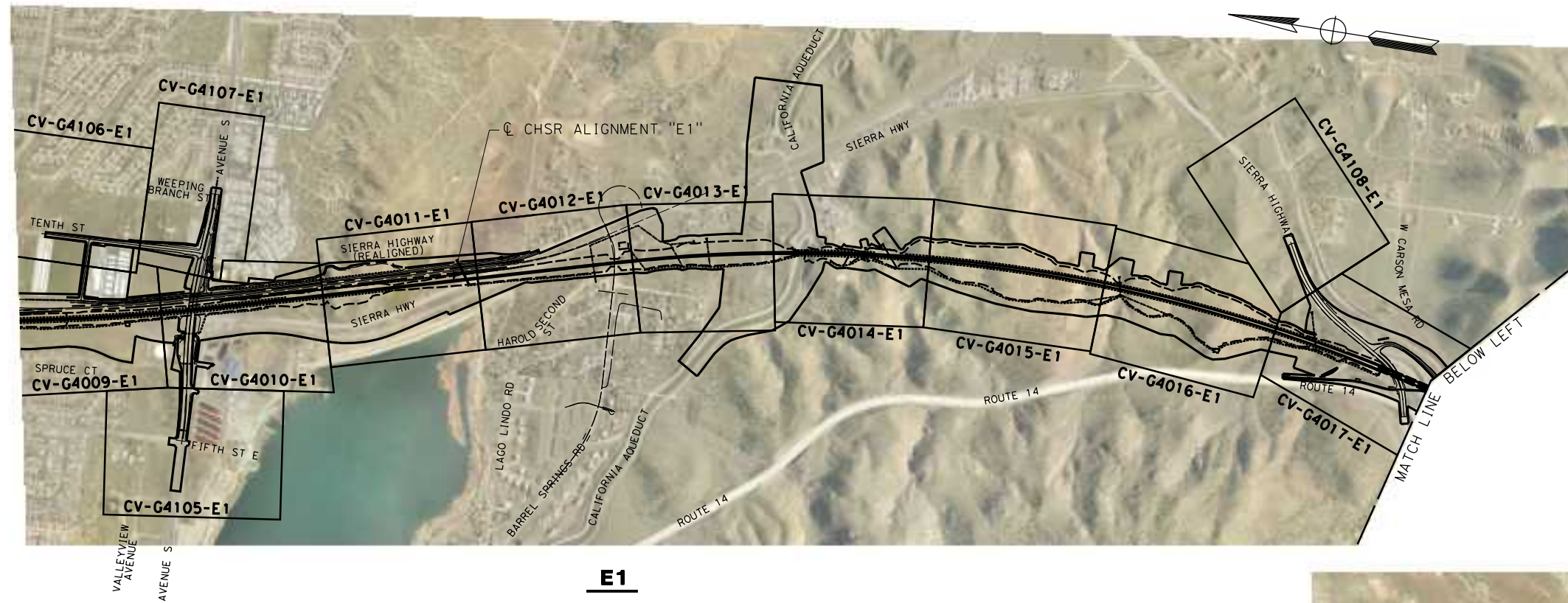


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "REFINED SR14"**  
  
**GRADING AND DRAINAGE PLAN**

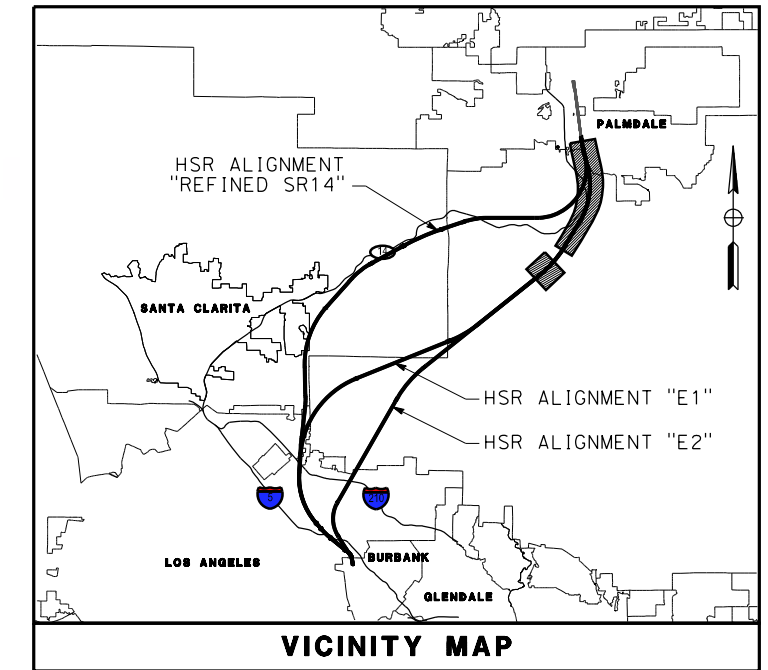
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DRAWING NO.  
**CV-G4109-S14**  
SCALE  
**AS SHOWN**  
SHEET NO.



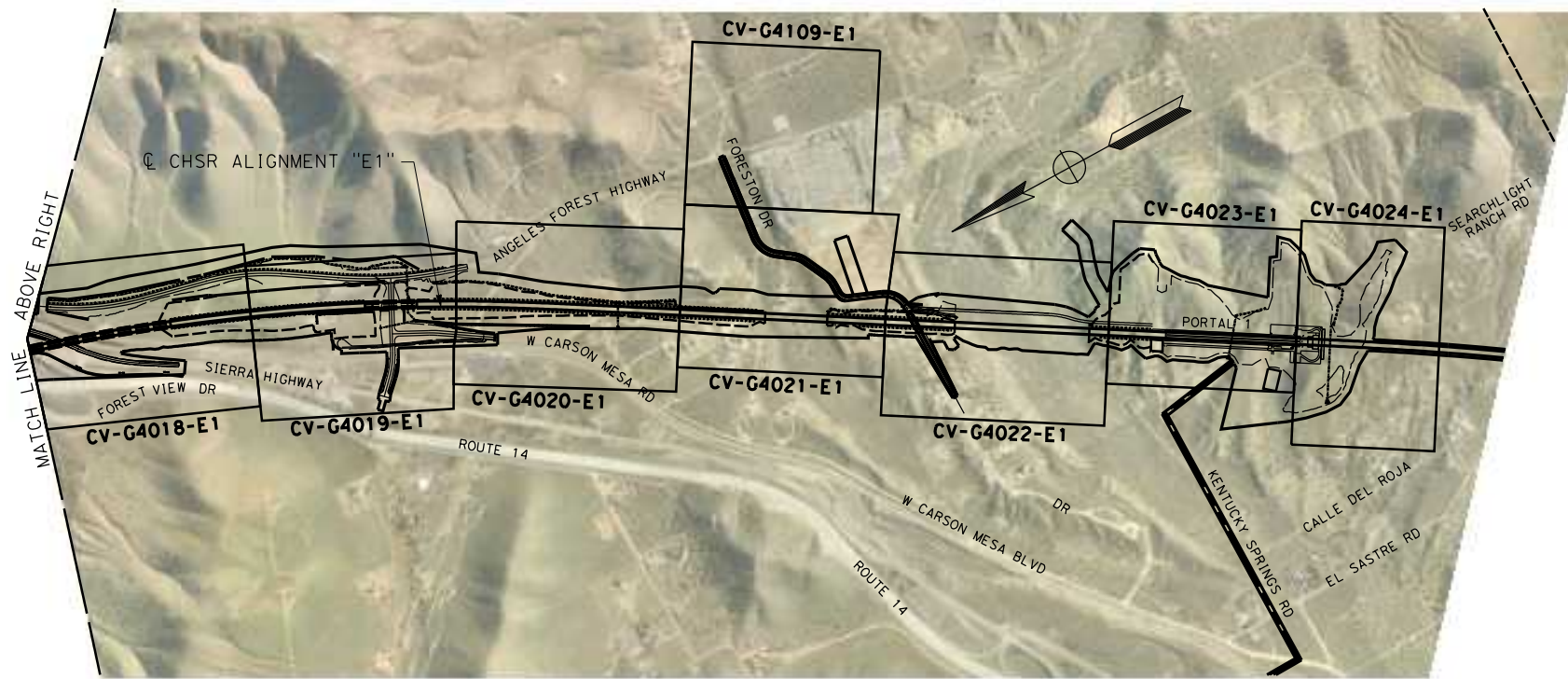
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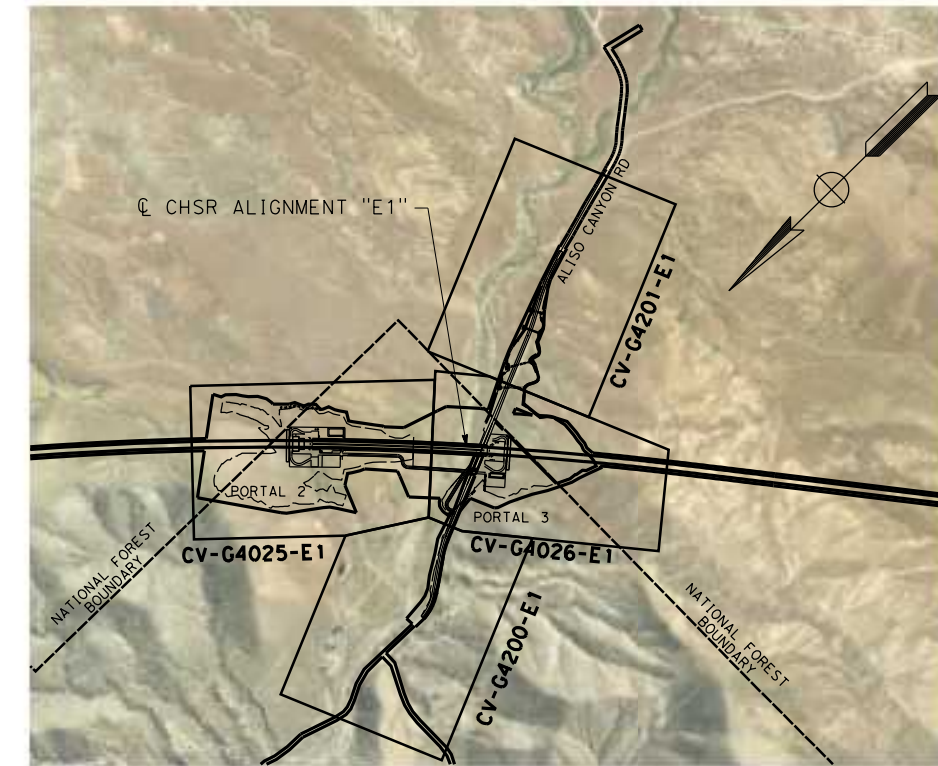
**E1**



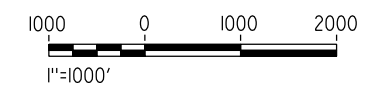
**VICINITY MAP**



**E1**



**E1**



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET  
REV02**  
  
**NOT FOR  
CONSTRUCTION**

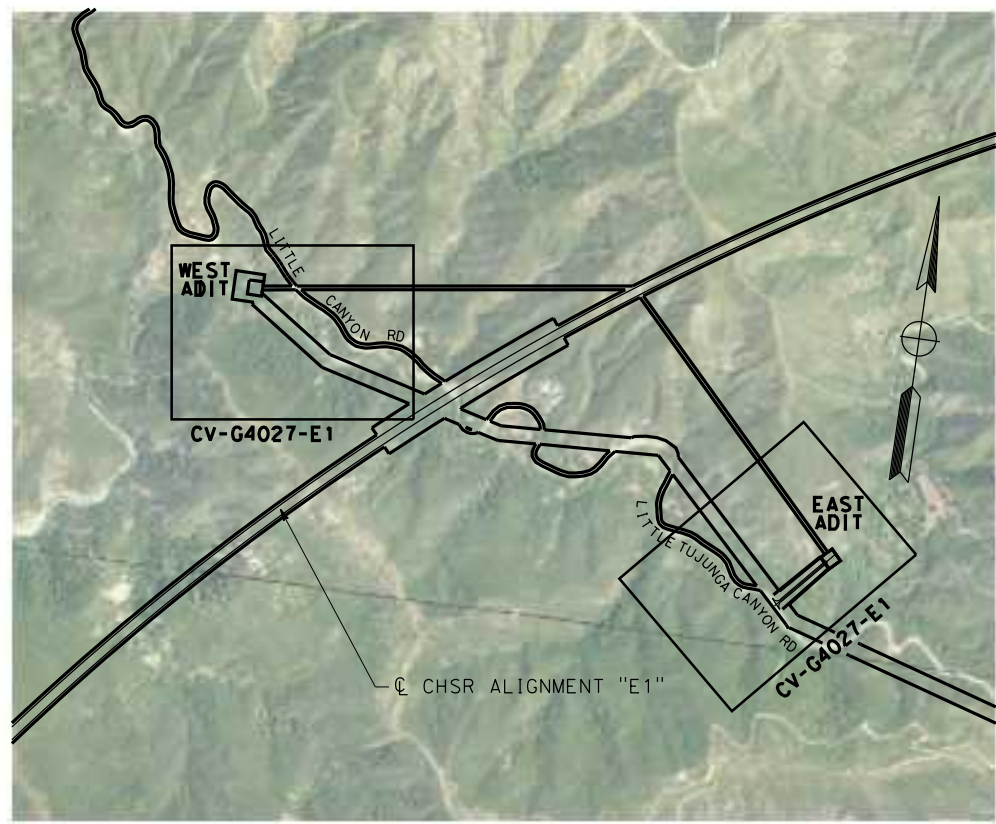


**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK  
ALIGNMENT "E1"**  
  
GRADING AND DRAINAGE PLAN  
KEY MAP 1 OF 3

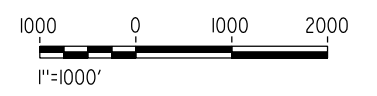
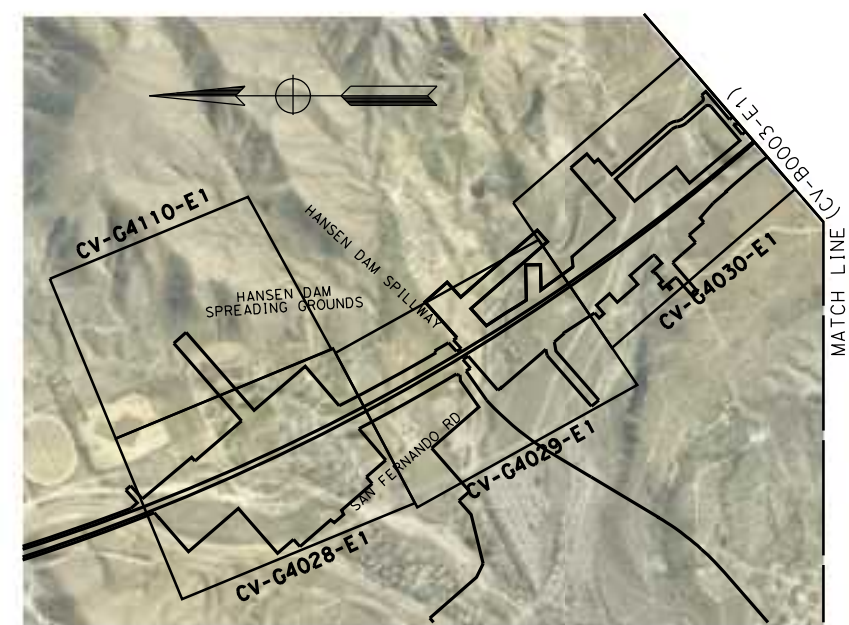
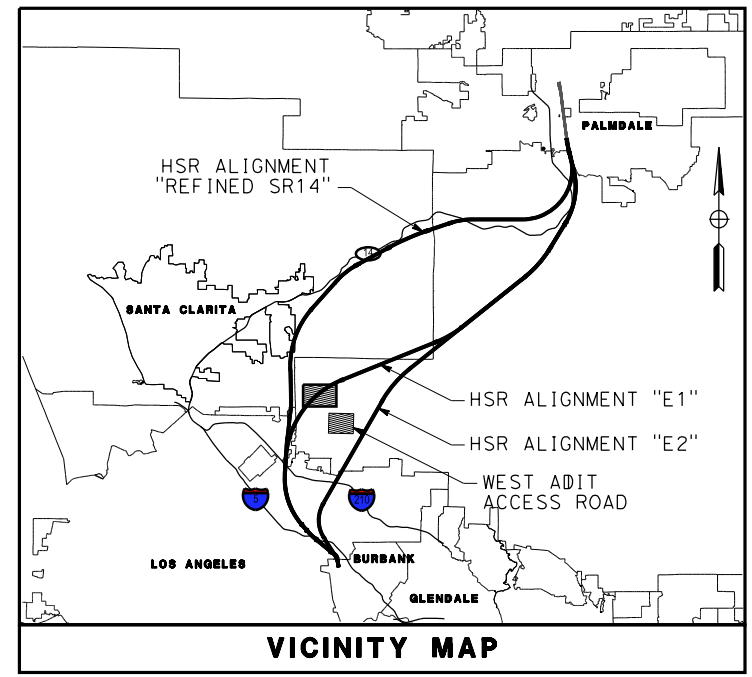
CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
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SCALE  
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SHEET NO.



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**E1**



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN  
KEY MAP 2 OF 3

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-B0002-E1**  
SCALE  
**AS SHOWN**  
SHEET NO.

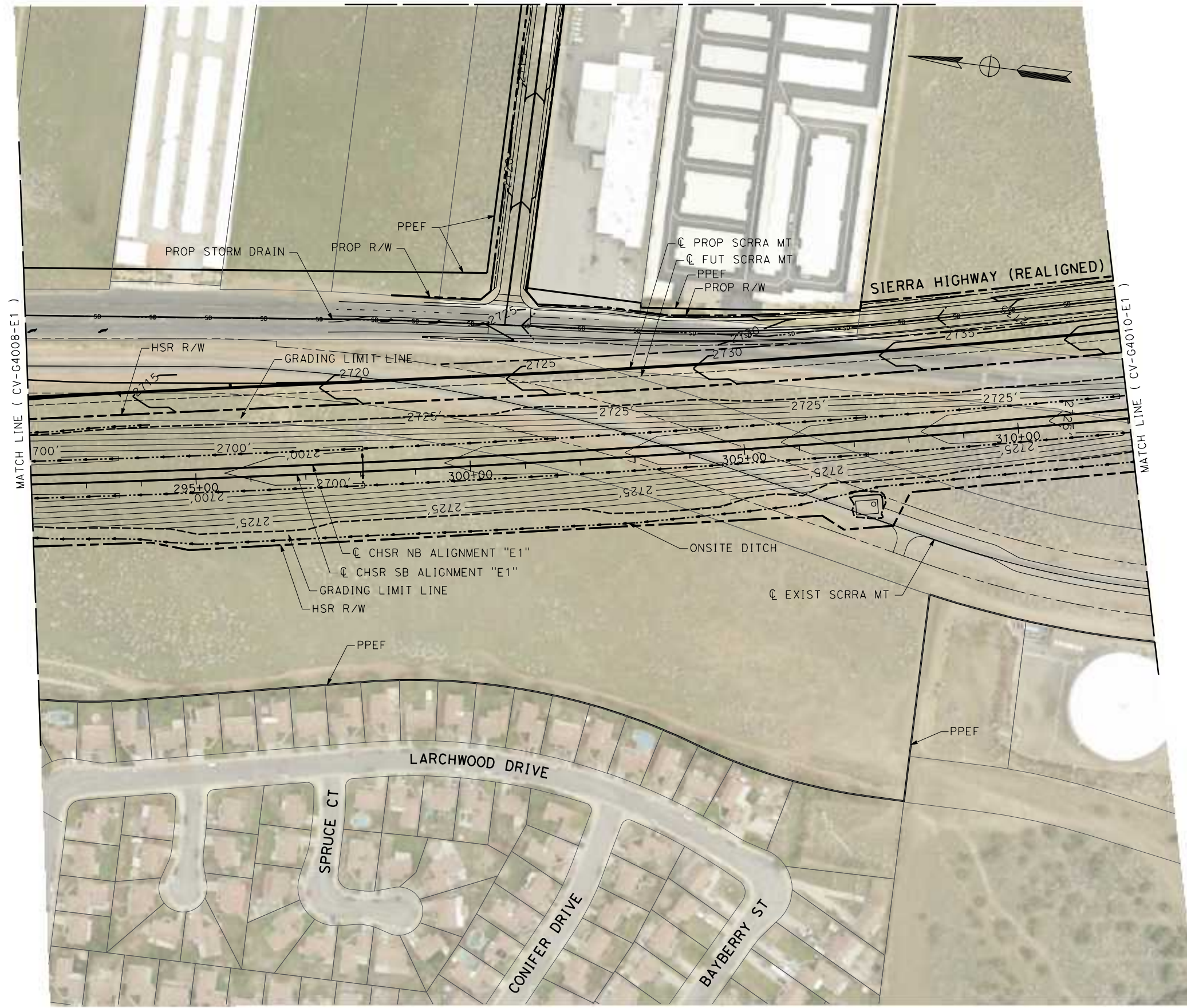






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MATCH LINE ( CV-G4106-E1 AND CV-G4107-E1 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02  
**NOT FOR CONSTRUCTION**

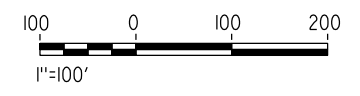
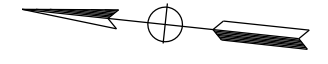
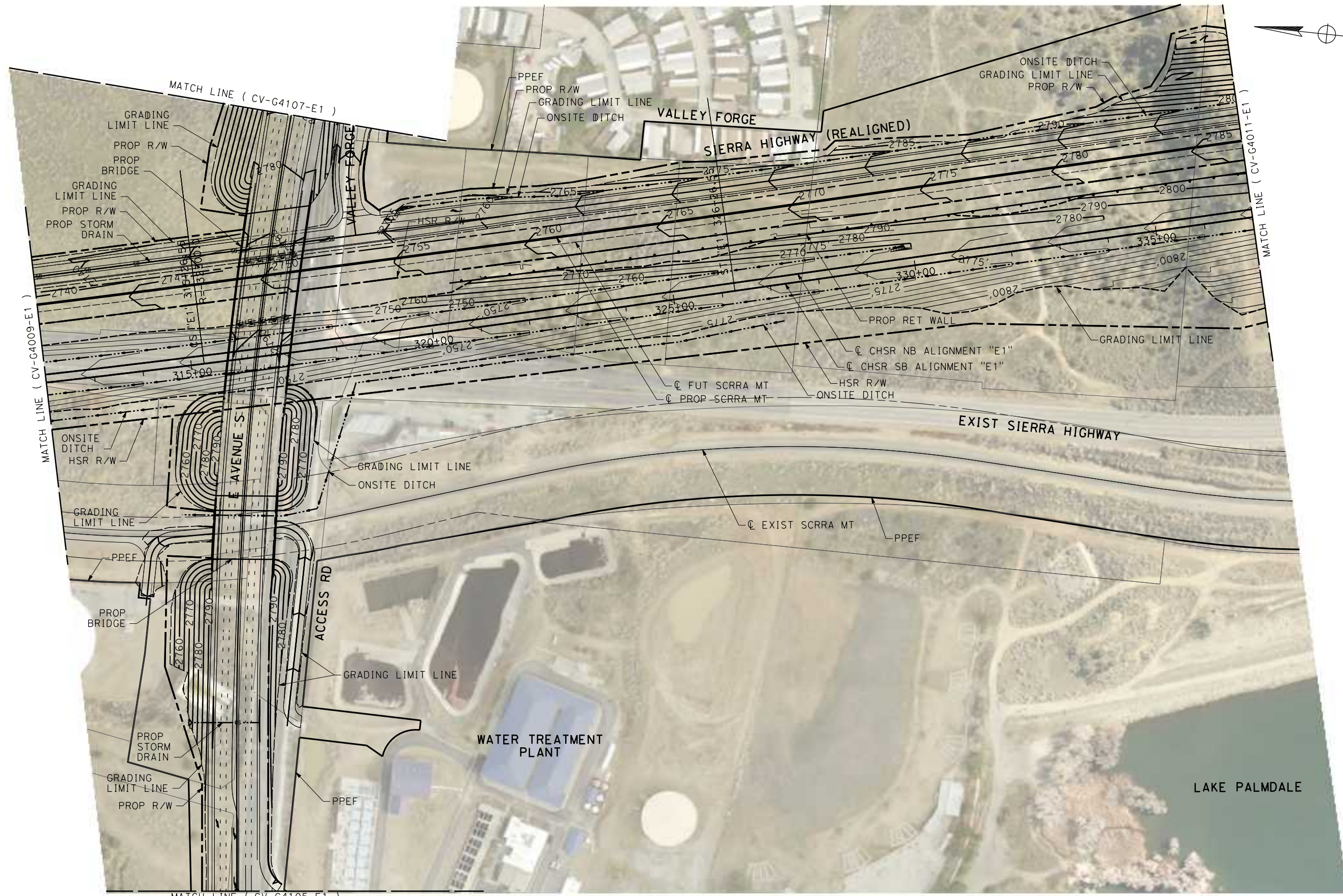


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4009-E1**  
SCALE  
**AS SHOWN**  
SHEET NO.



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 0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

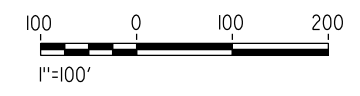
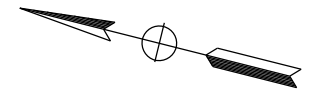
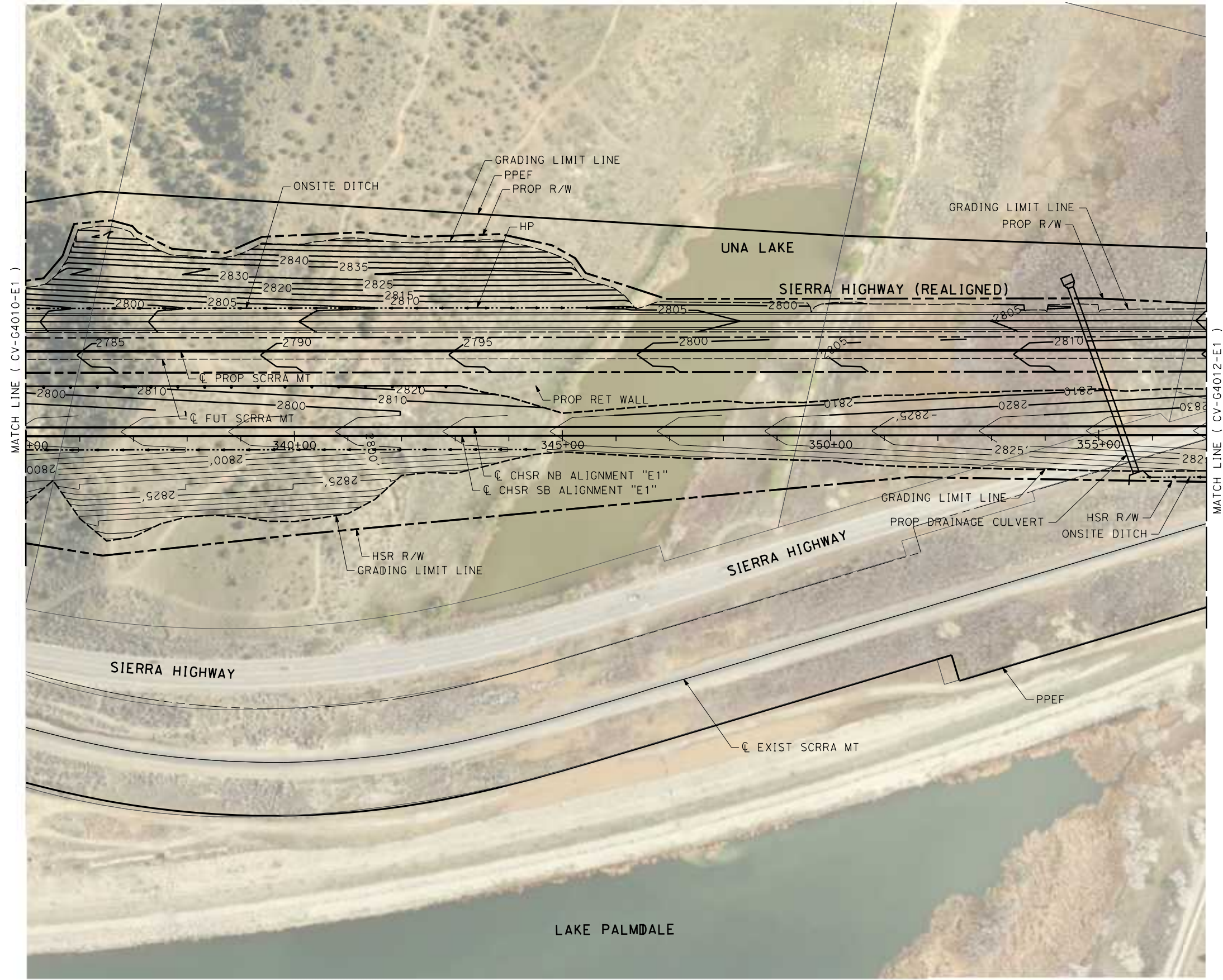


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
 GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
**CV-G4010-E1**  
 SCALE  
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

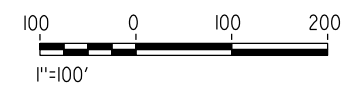
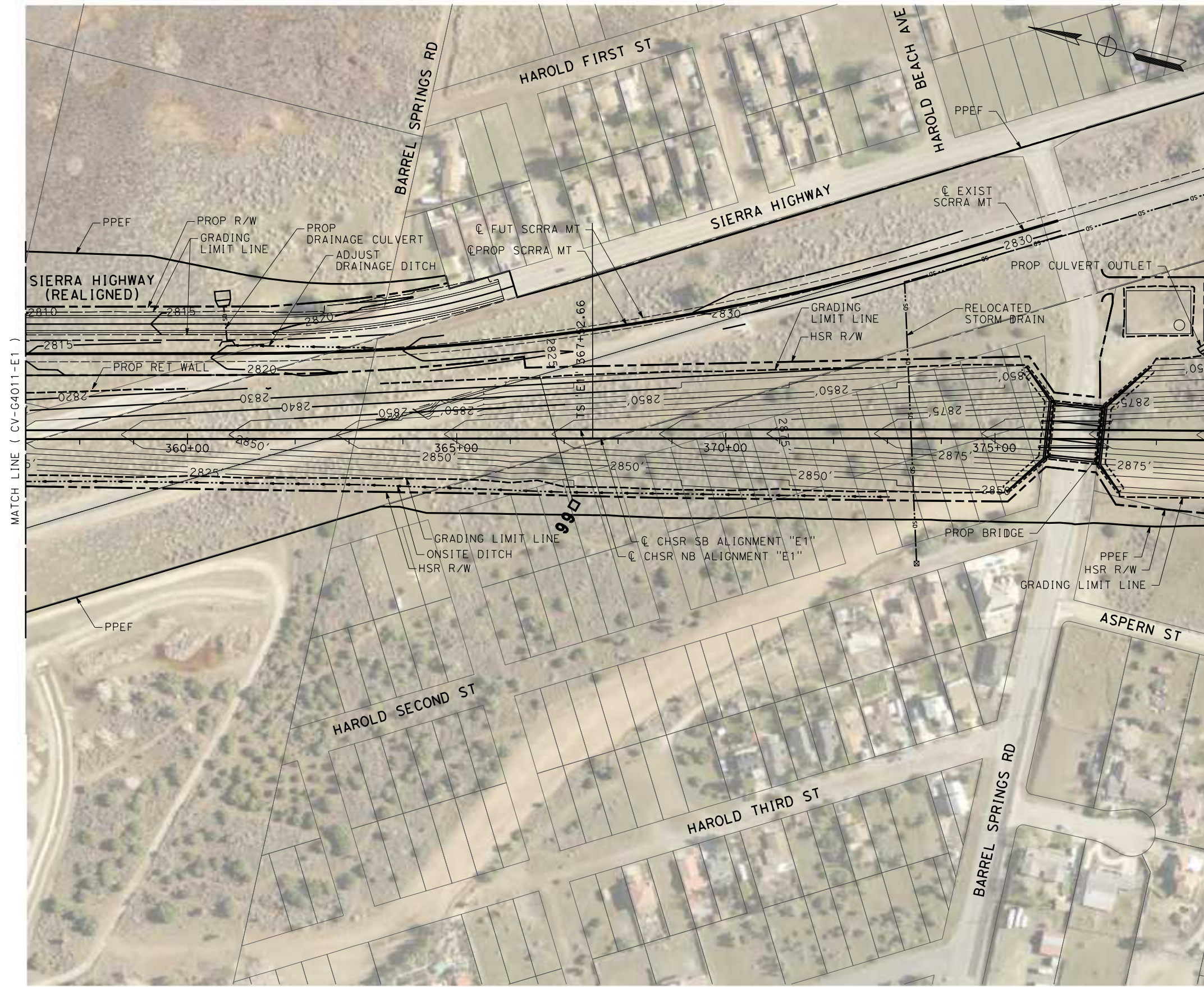


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
 GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
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 SCALE  
**AS SHOWN**  
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 0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
**GRADING AND DRAINAGE PLAN**

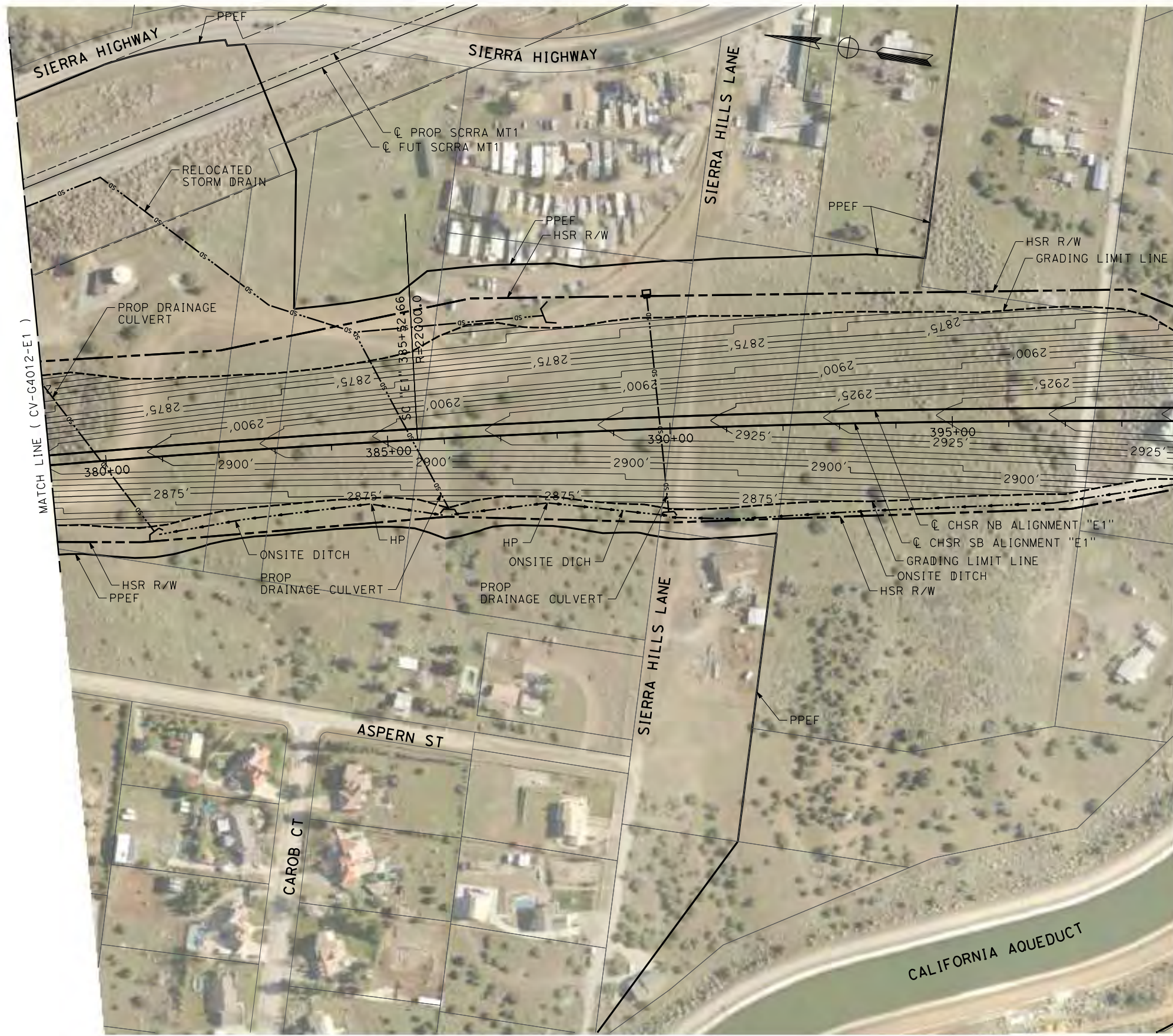
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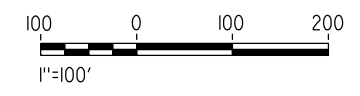
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0400074



MATCH LINE ( CV-G4012-E1 )

MATCH LINE ( CV-G4014-E1 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

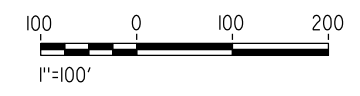
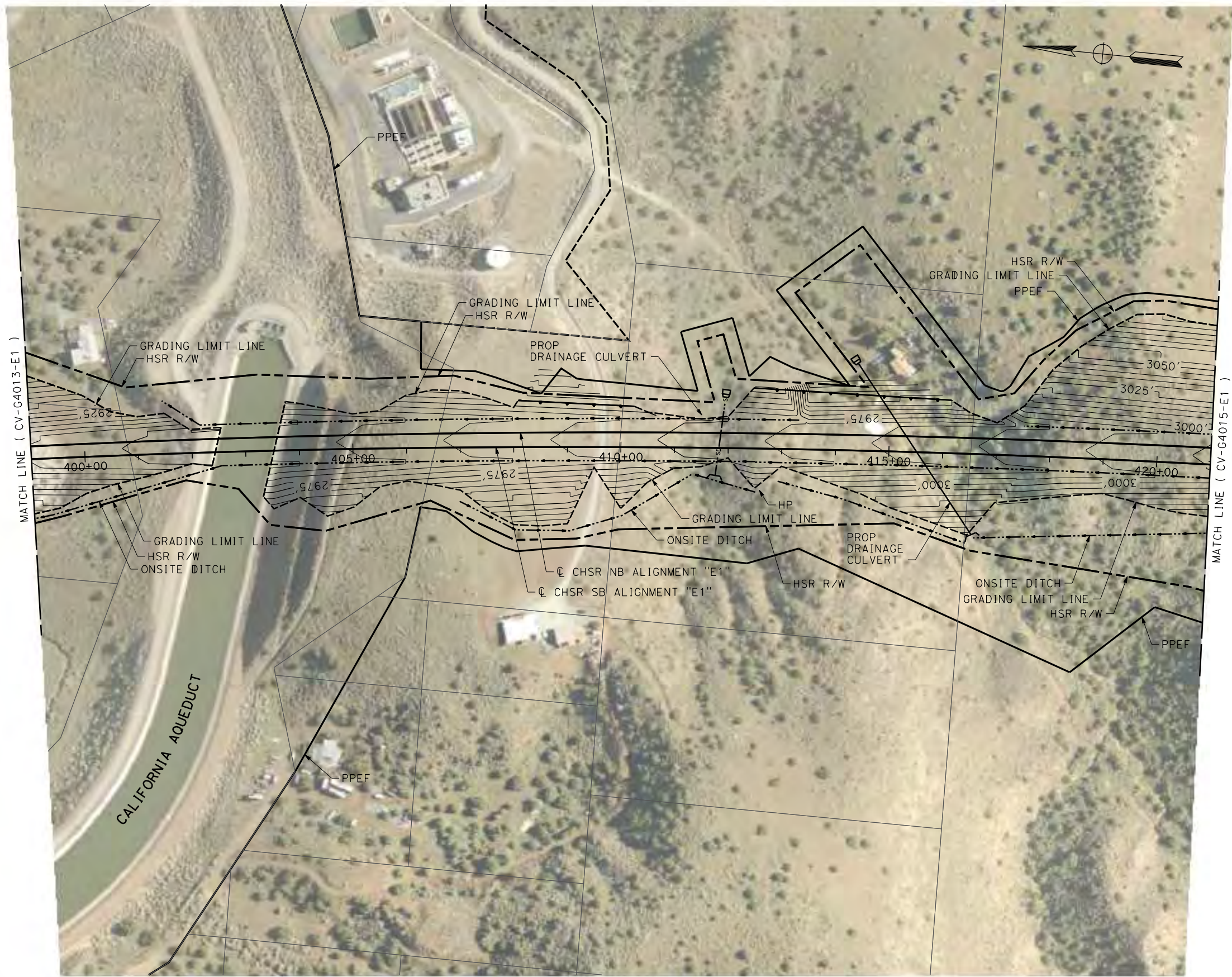
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DRAWING NO.  
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SHEET NO.



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4/20/2021 9:04:35 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

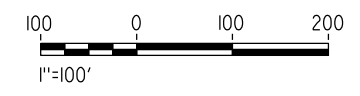
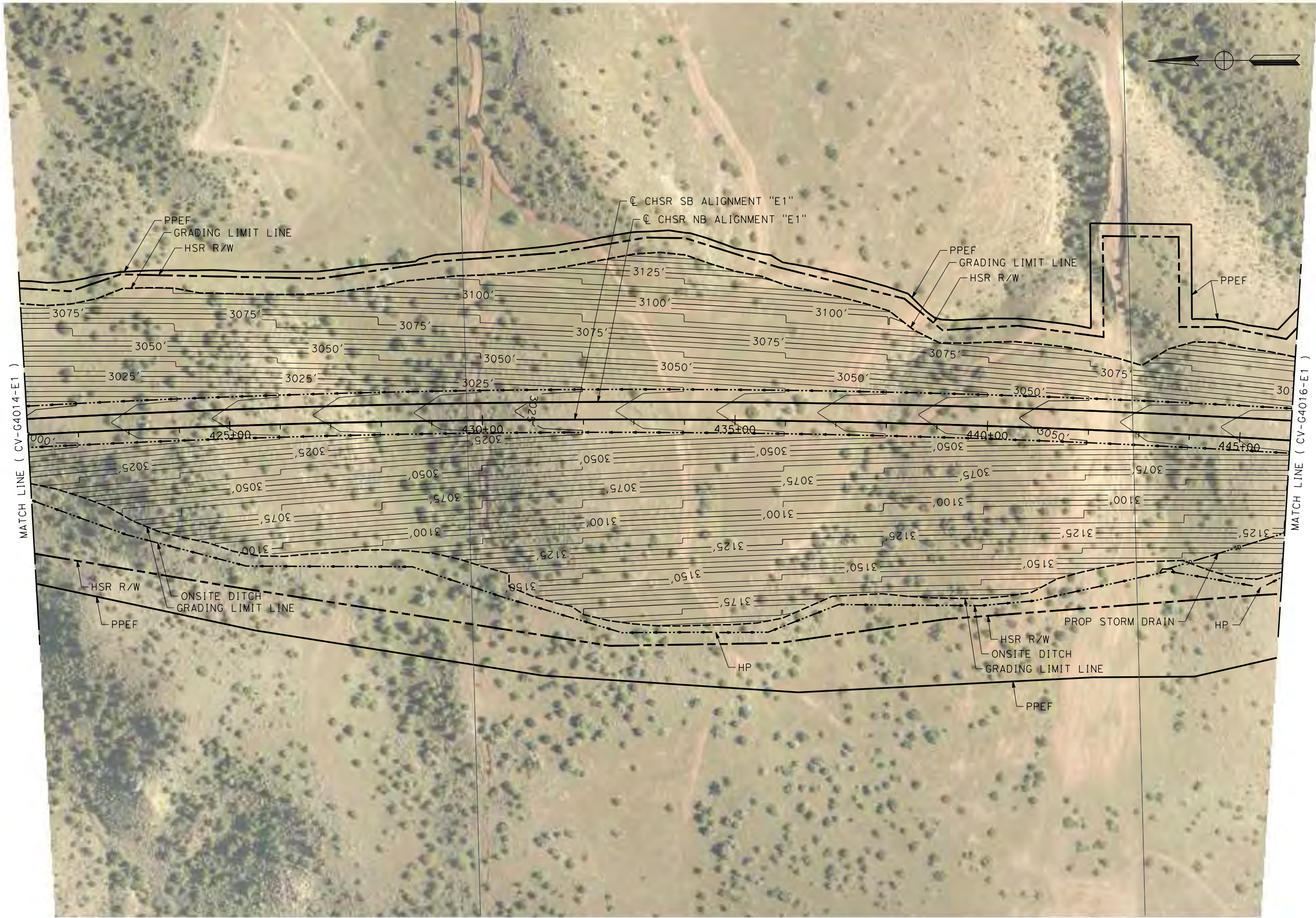
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DRAWING NO.  
**CV-G4014-E1**  
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SHEET NO.



c:\pwworking\chsr\vdms19528\pb-g4015-e1.dgn

4/20/2021 9:04:42 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

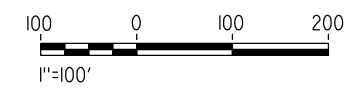
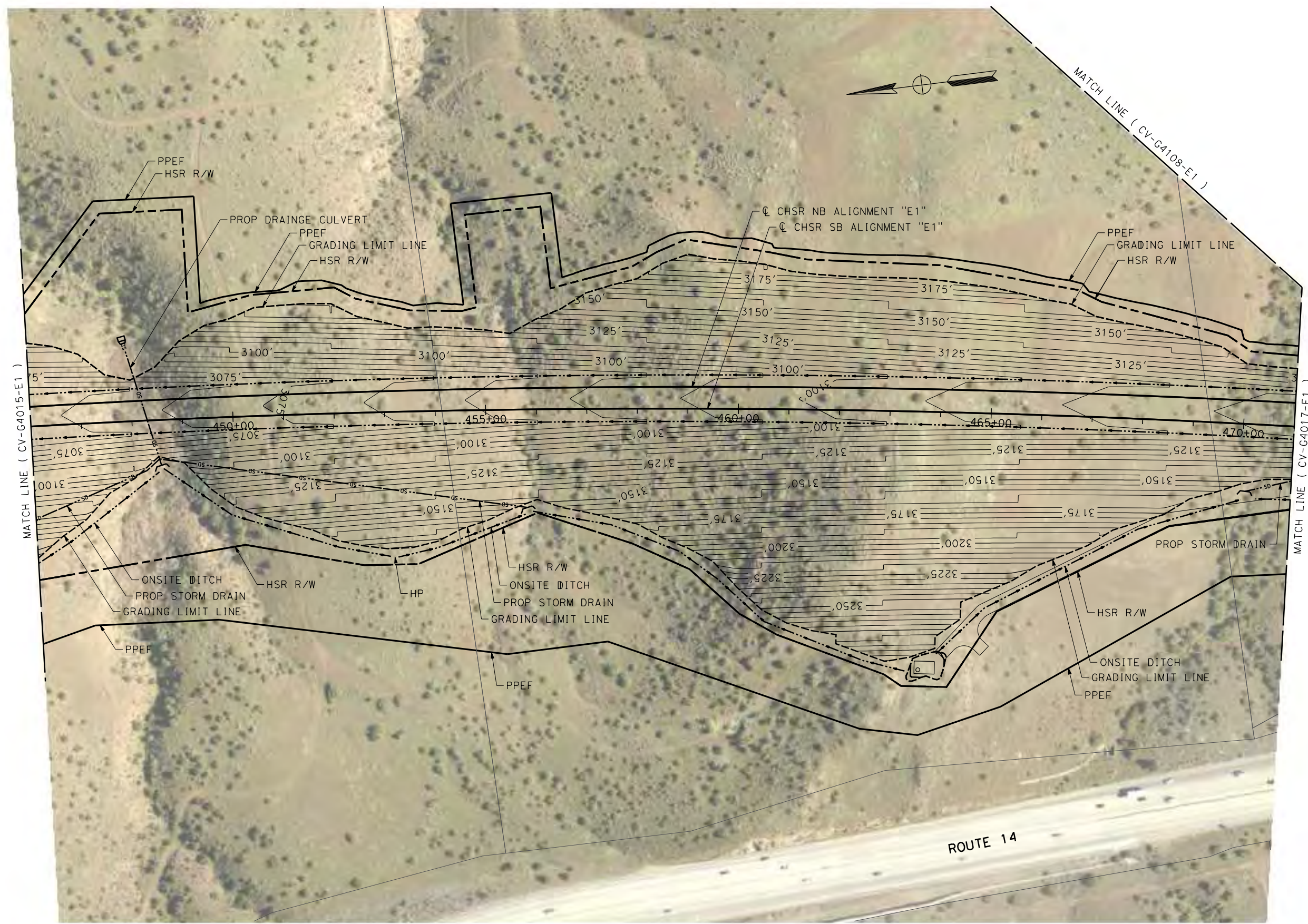
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DRAWING NO.  
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SCALE  
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SHEET NO.



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4/20/2021 9:04:49 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET  
REV 02  
NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK  
ALIGNMENT "E1"  
GRADING AND DRAINAGE PLAN**

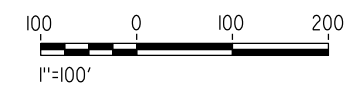
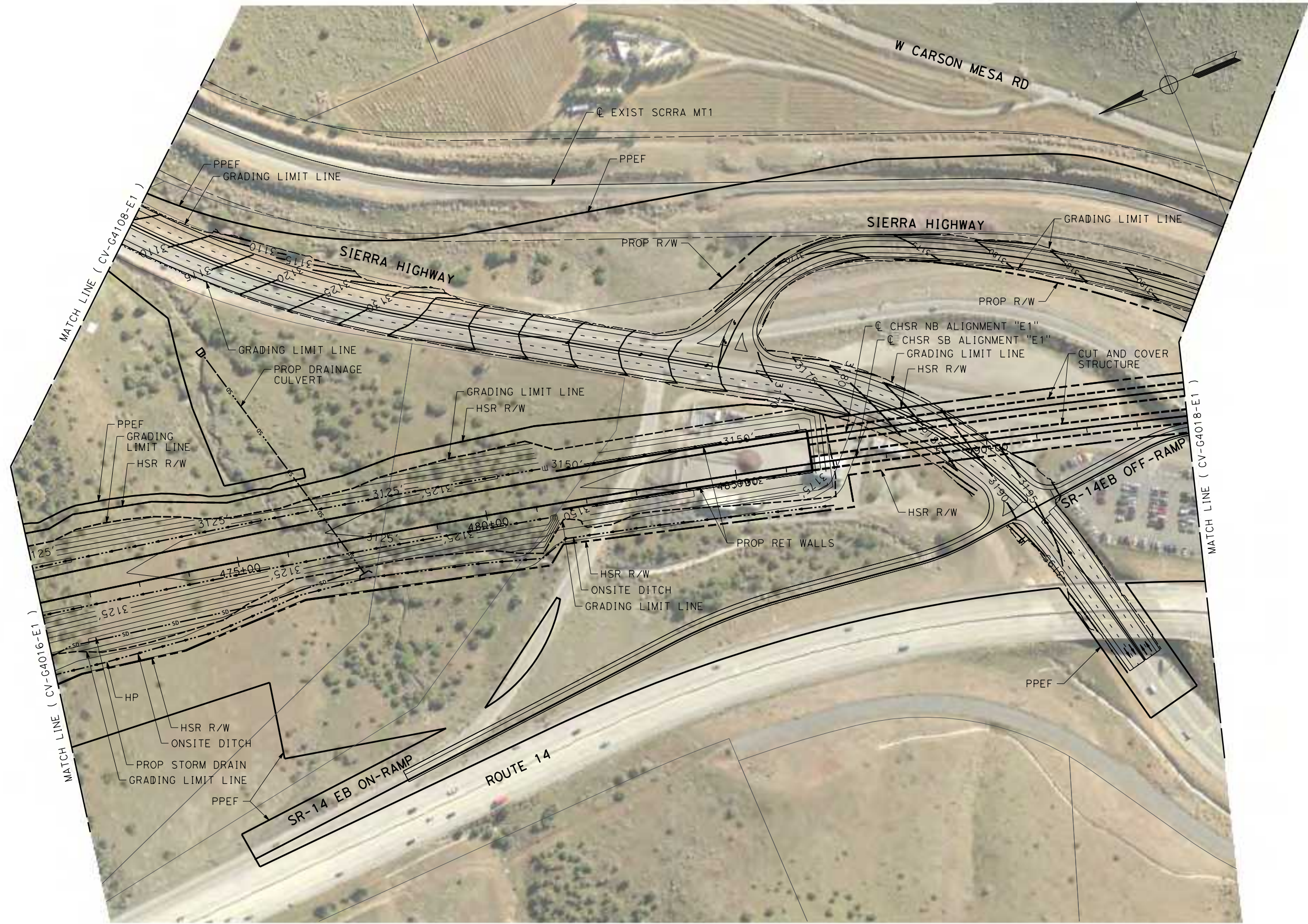
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DRAWING NO.  
**CV-G4016-E1**  
SCALE  
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SHEET NO.



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4/22/2021 4:34:43 PM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
GRADING AND DRAINAGE PLAN

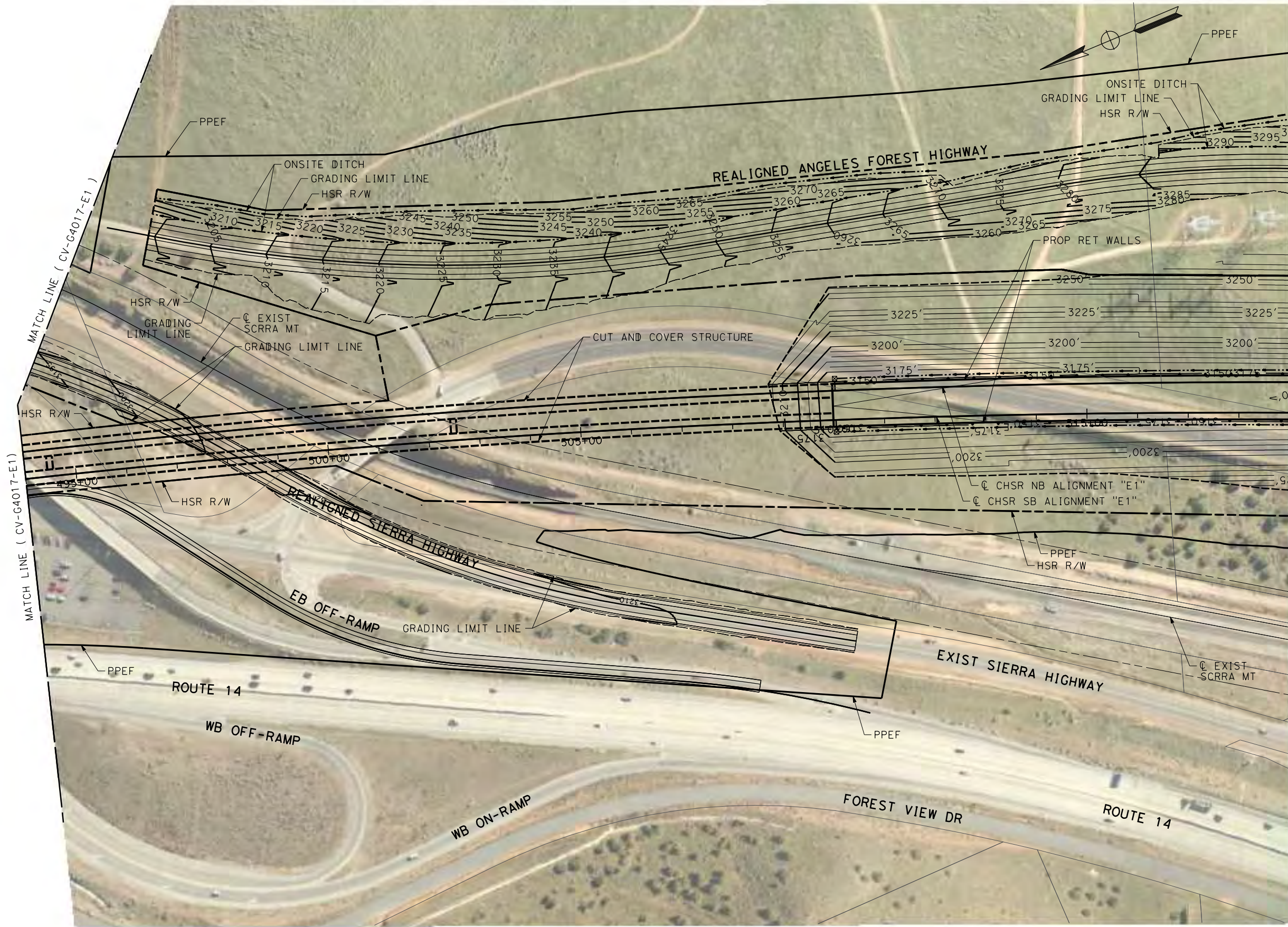
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SHEET NO.



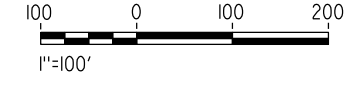
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4/20/2021 9:05:02 AM

0400074



MATCH LINE ( CV-G4019-E1 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4018-E1**  
SCALE  
**AS SHOWN**  
SHEET NO.



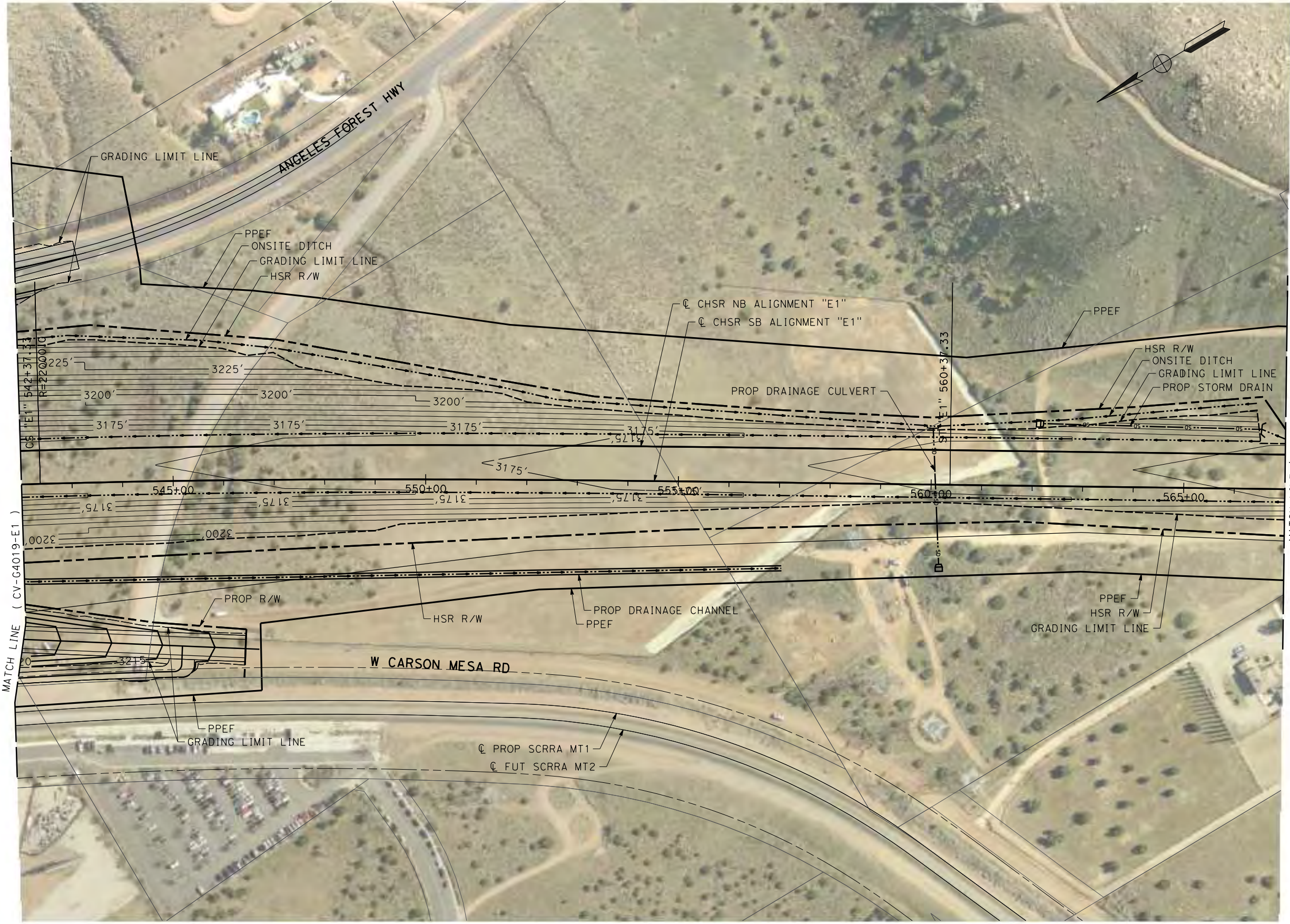




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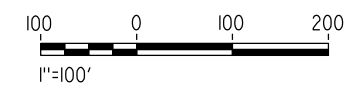
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0400074



MATCH LINE ( CV-G4021-E1 )

MATCH LINE ( CV-G4019-E1 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**

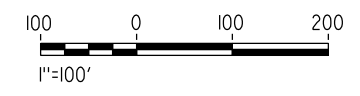
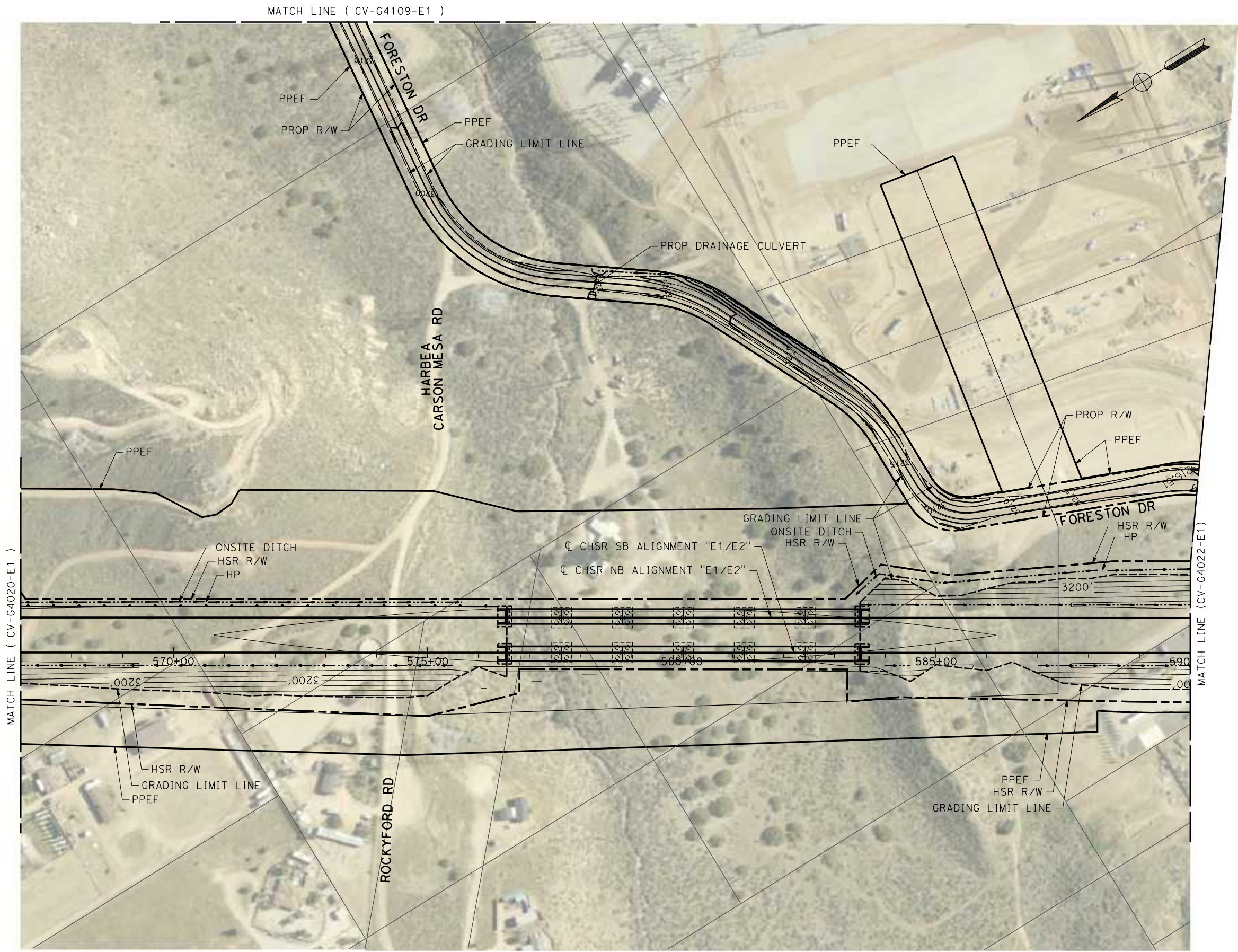


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4020-E1**  
SCALE  
**AS SHOWN**  
SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

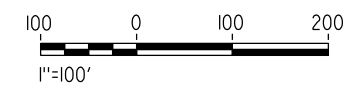
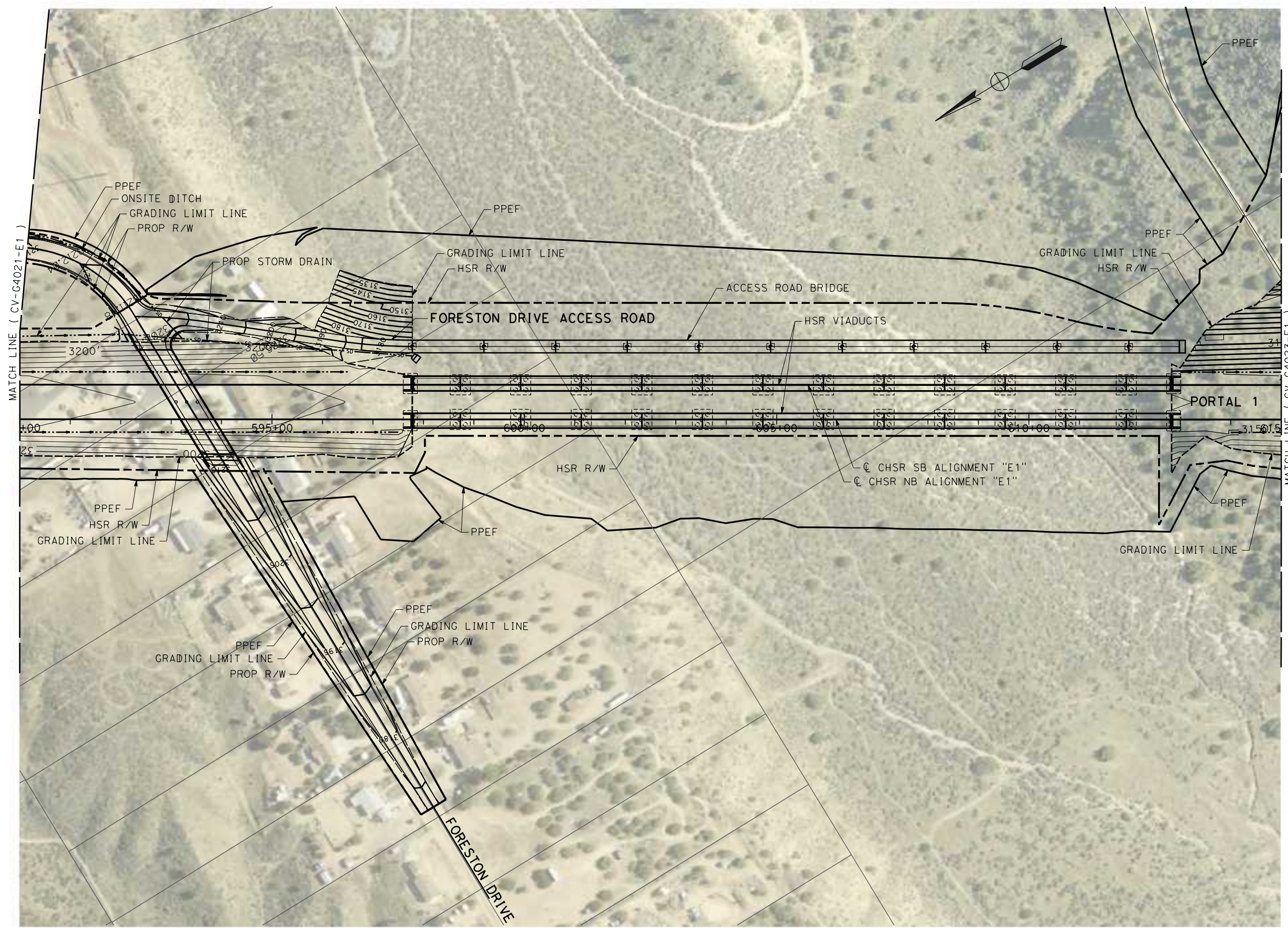


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
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 0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
 GRADING AND DRAINAGE PLAN

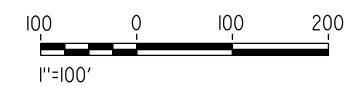
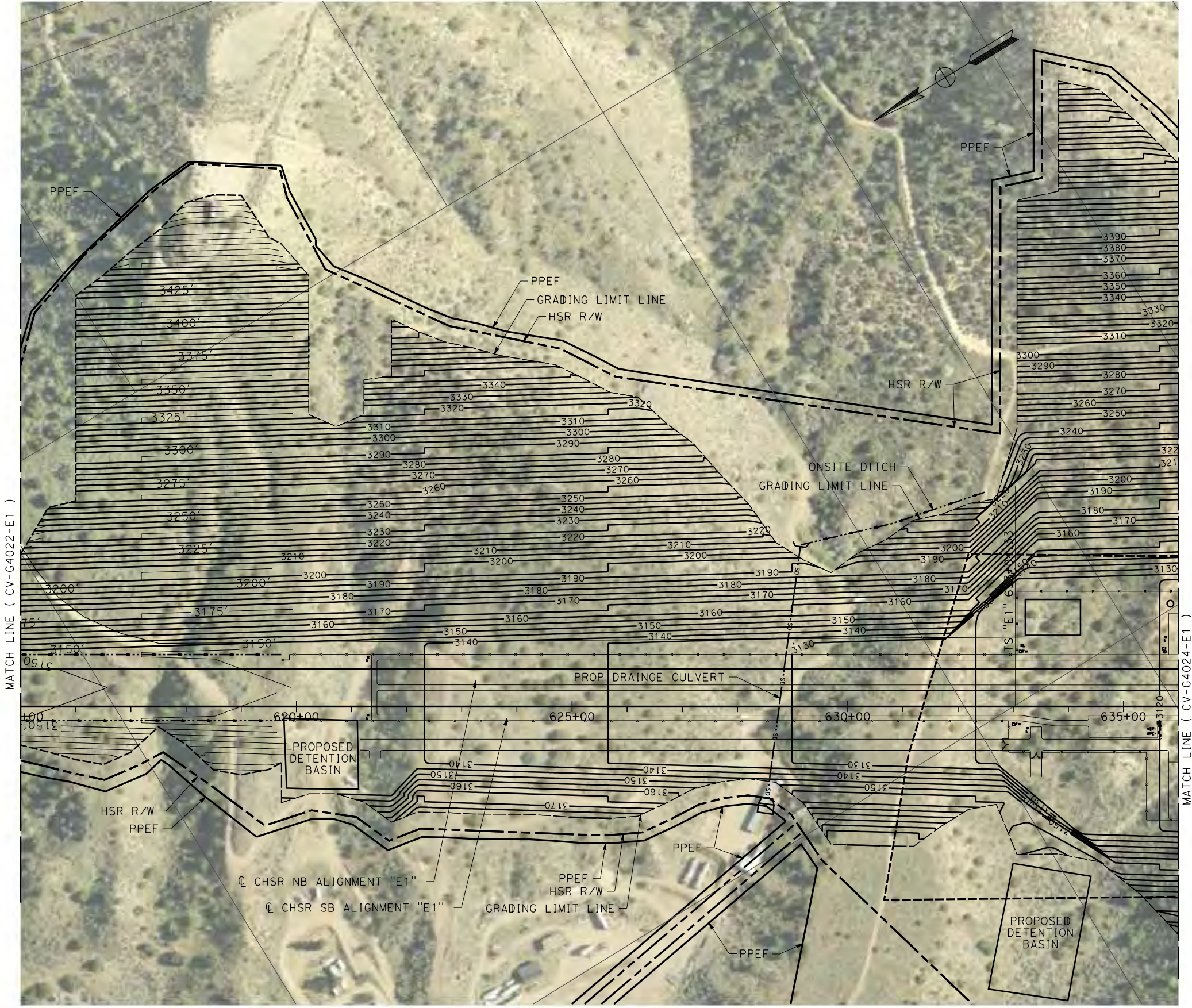
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4/20/2021 9:05:37 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

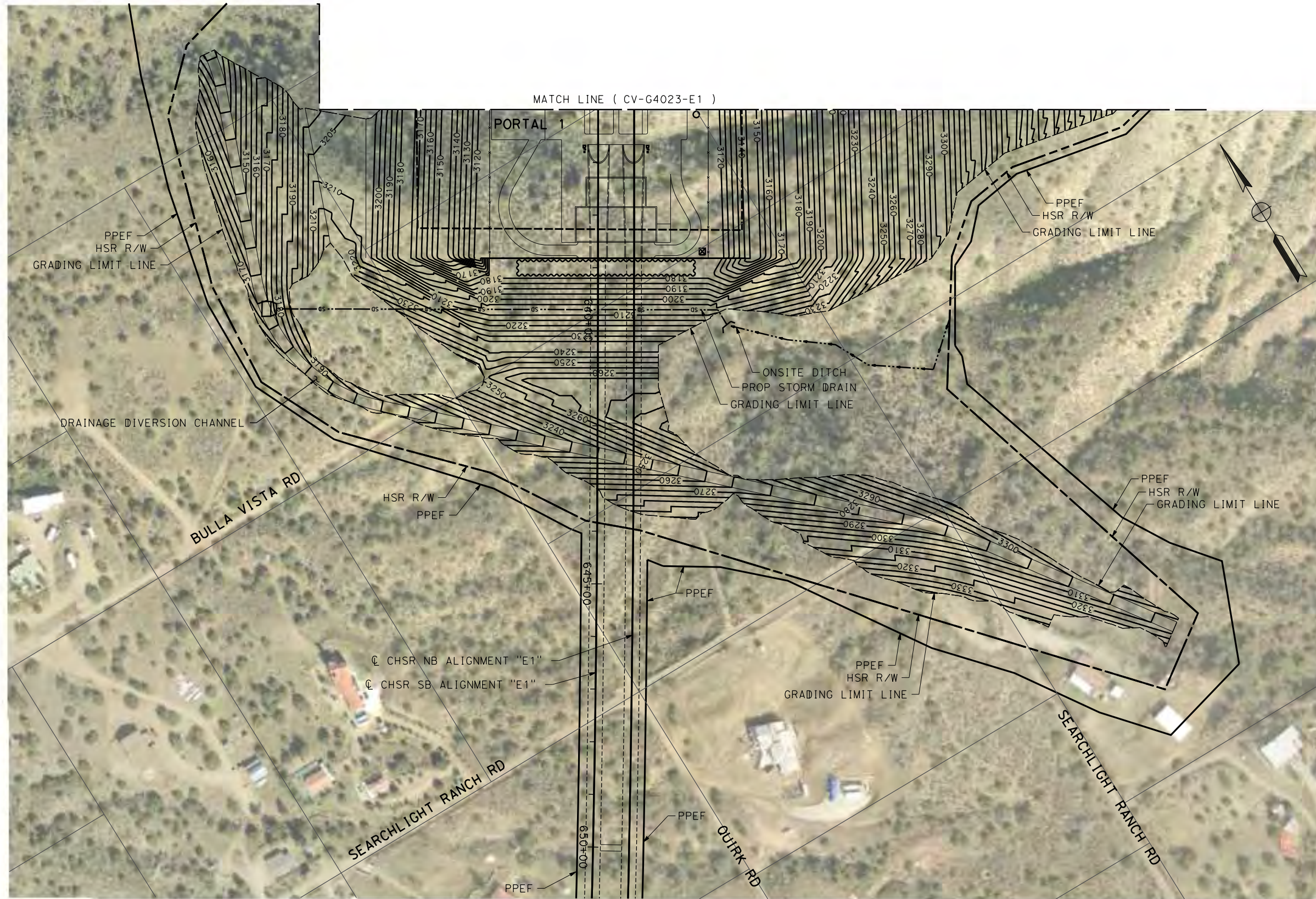
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SHEET NO.



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4/20/2021 9:05:44 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**

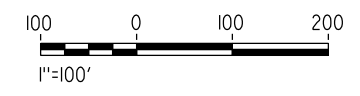
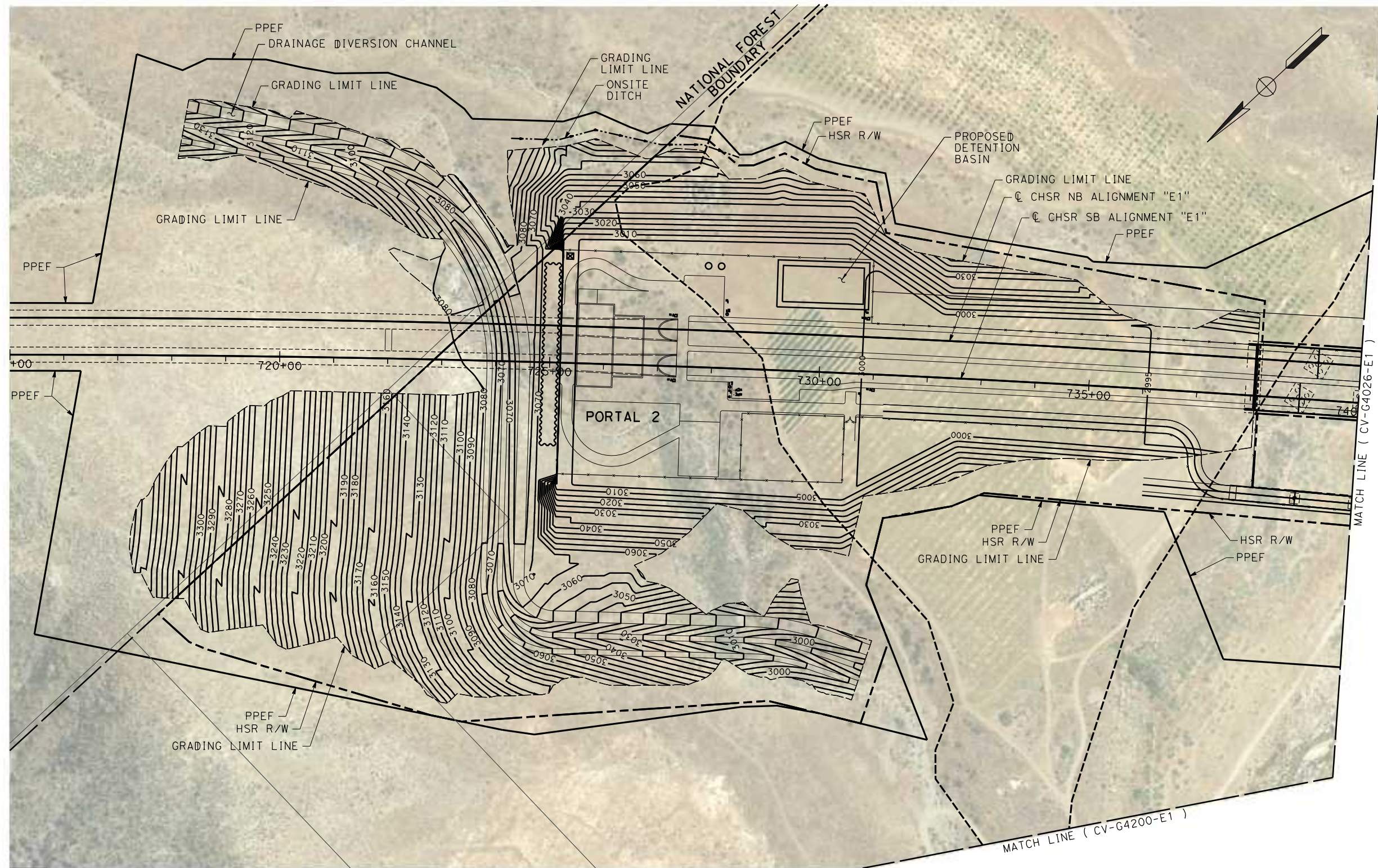


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
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SCALE  
**AS SHOWN**  
SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET  
REV 02**  
  
**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK  
ALIGNMENT "E1"**  
  
GRADING AND DRAINAGE PLAN

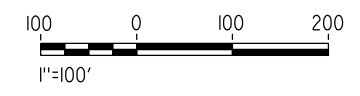
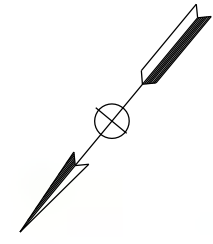
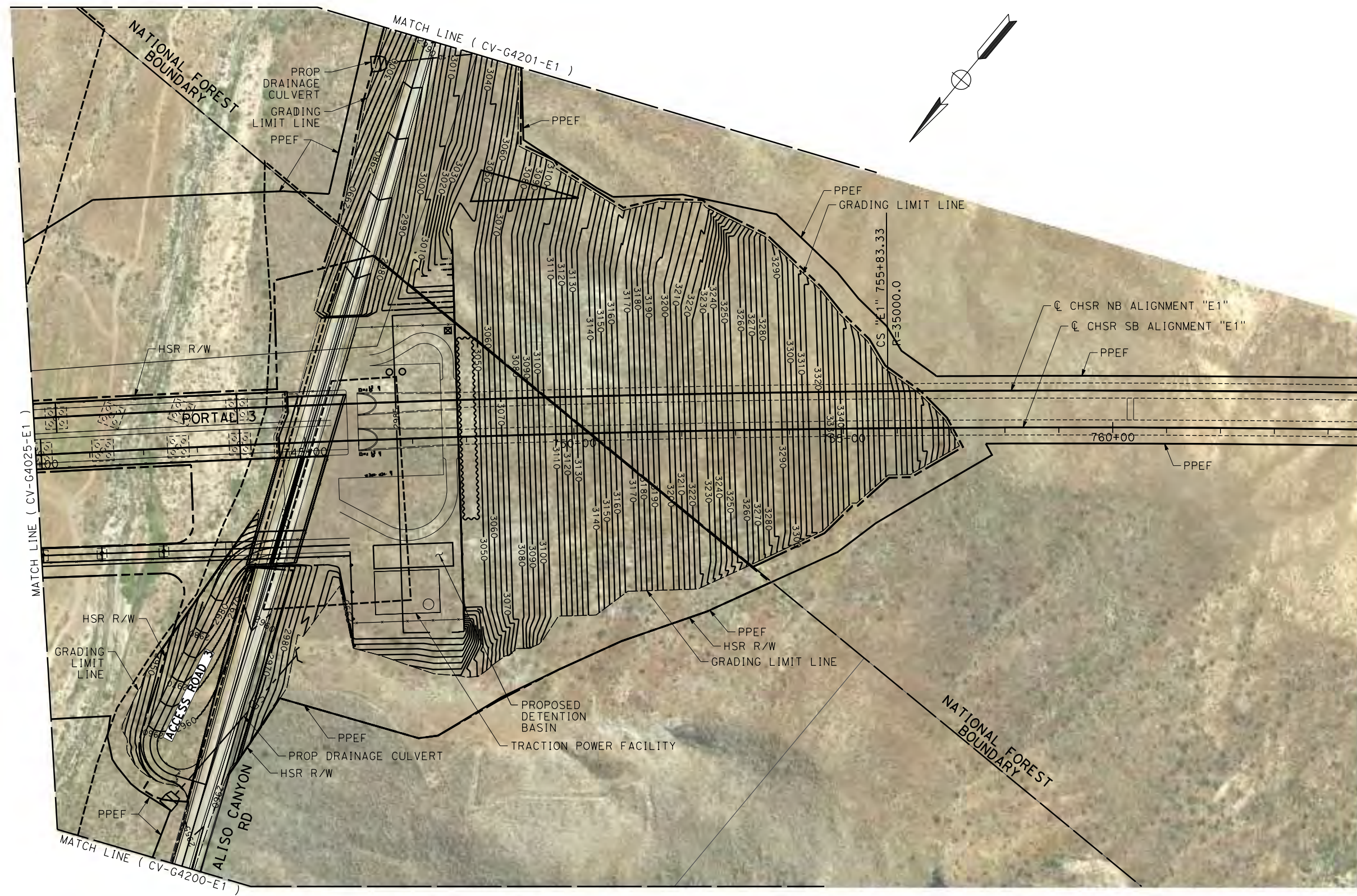
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SCALE  
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4/20/2021 9:05:58 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

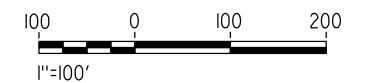
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**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
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SHEET NO.





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0400074

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

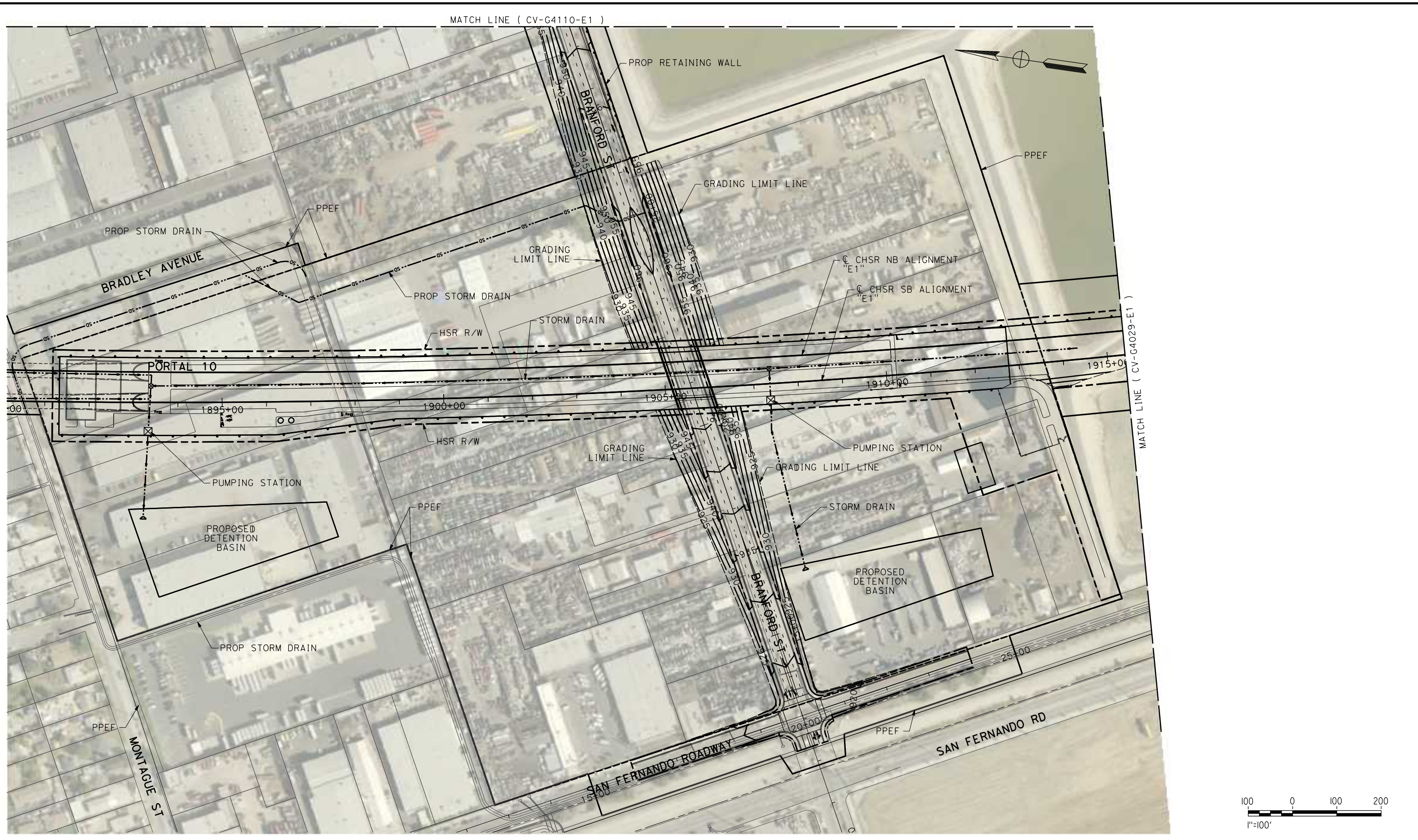


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
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DRAWING NO.  
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SCALE  
**AS SHOWN**  
SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
**GRADING AND DRAINAGE PLAN**

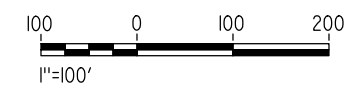
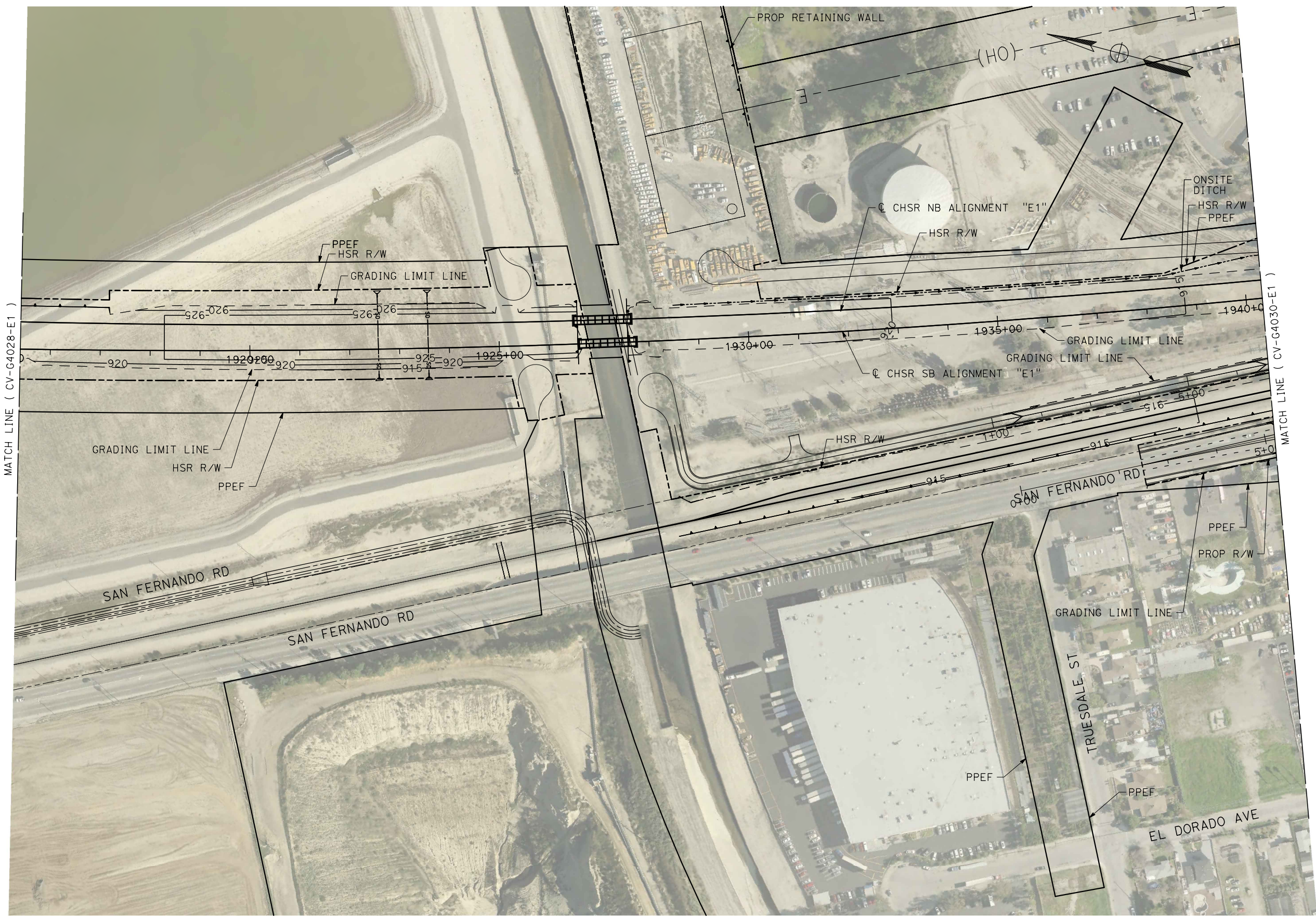
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1/16/2024 2:49:28 PM

0400091



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. CORDOBA**

DRAWN BY  
**D. CORDOBA**

CHECKED BY  
**R. RODRIGUEZ**

IN CHARGE  
**A. RELANO**

DATE  
**12/30/2023**

**PEPD RECORD SET  
REV 02**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**

**PALMDALE TO BURBANK**

ALIGNMENT "E1"

GRADING AND DRAINAGE PLAN

CONTRACT NO.  
HSR14-42

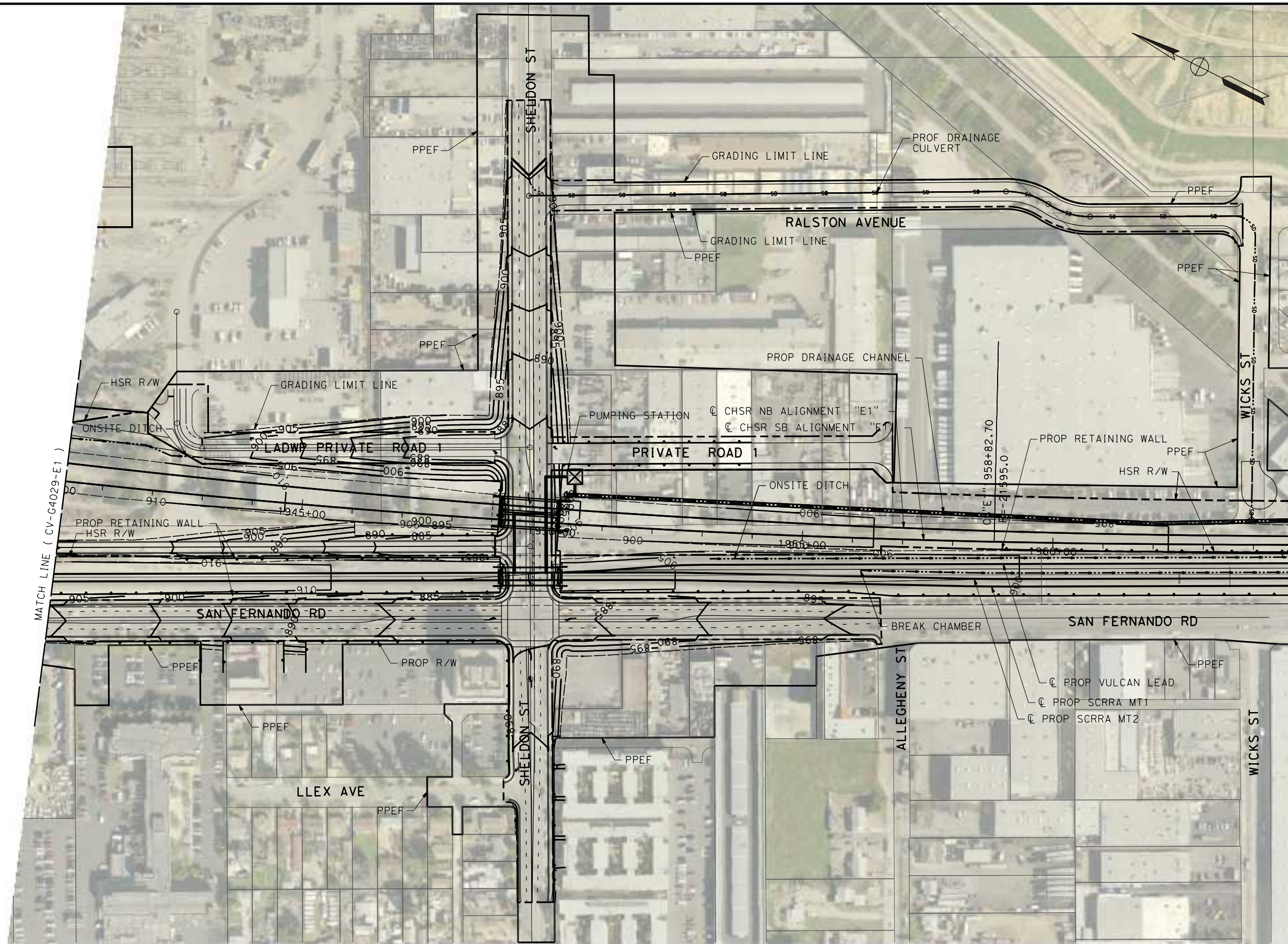
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SCALE  
AS SHOWN

SHEET NO.

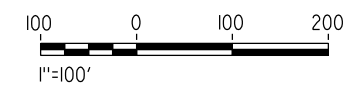


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 0400073



MATCH LINE ( CV-G4031-E1 )

MATCH LINE ( CV-G4029-E1 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

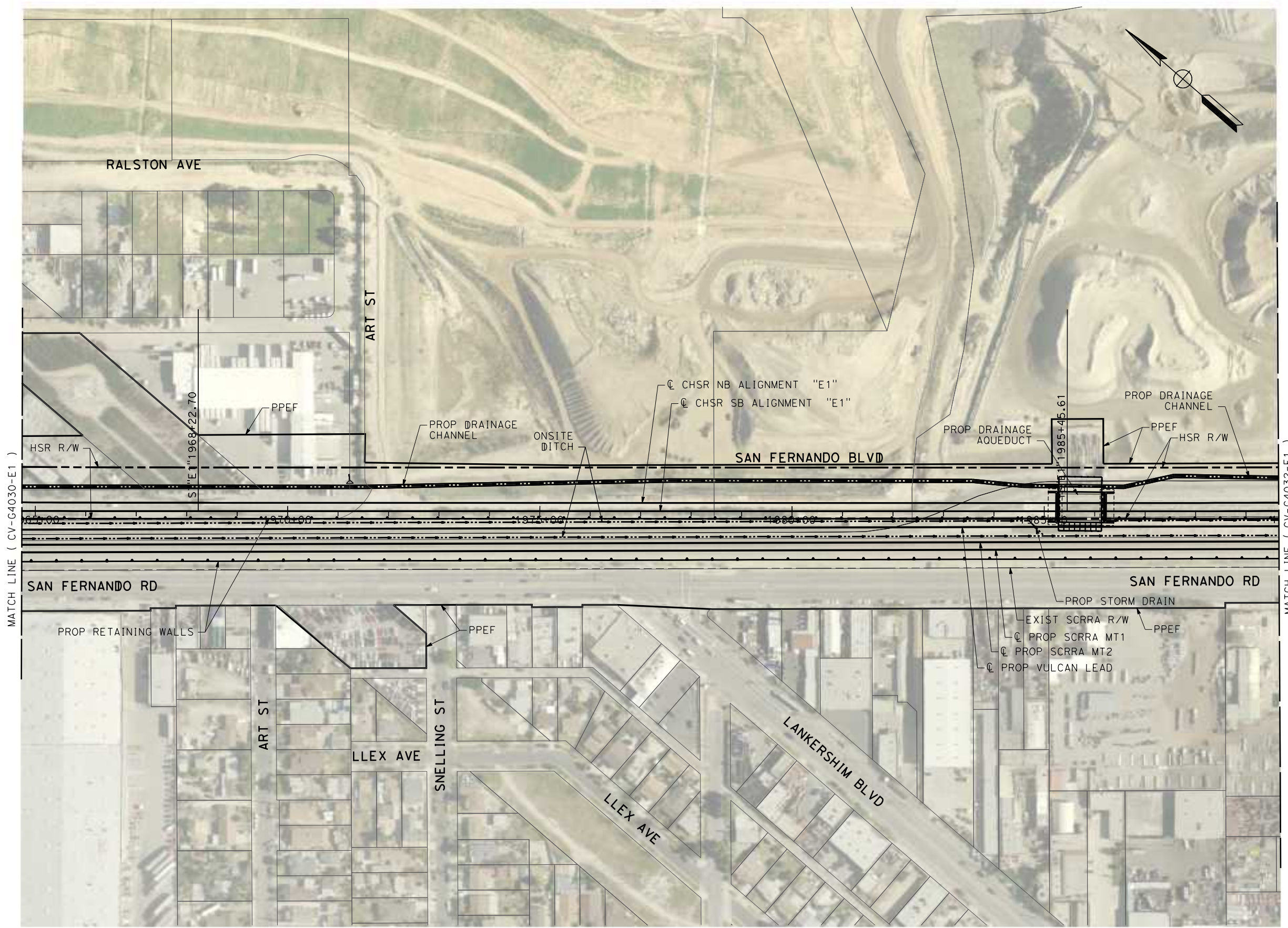


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
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 DRAWING NO.  
**CV-G4030-E1**  
 SCALE  
**AS SHOWN**  
 SHEET NO.

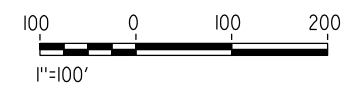


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 0400073



MATCH LINE ( CV-G4030-E1 )

MATCH LINE ( CV-G4032-E1 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

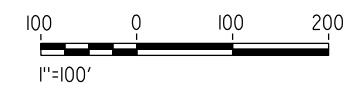
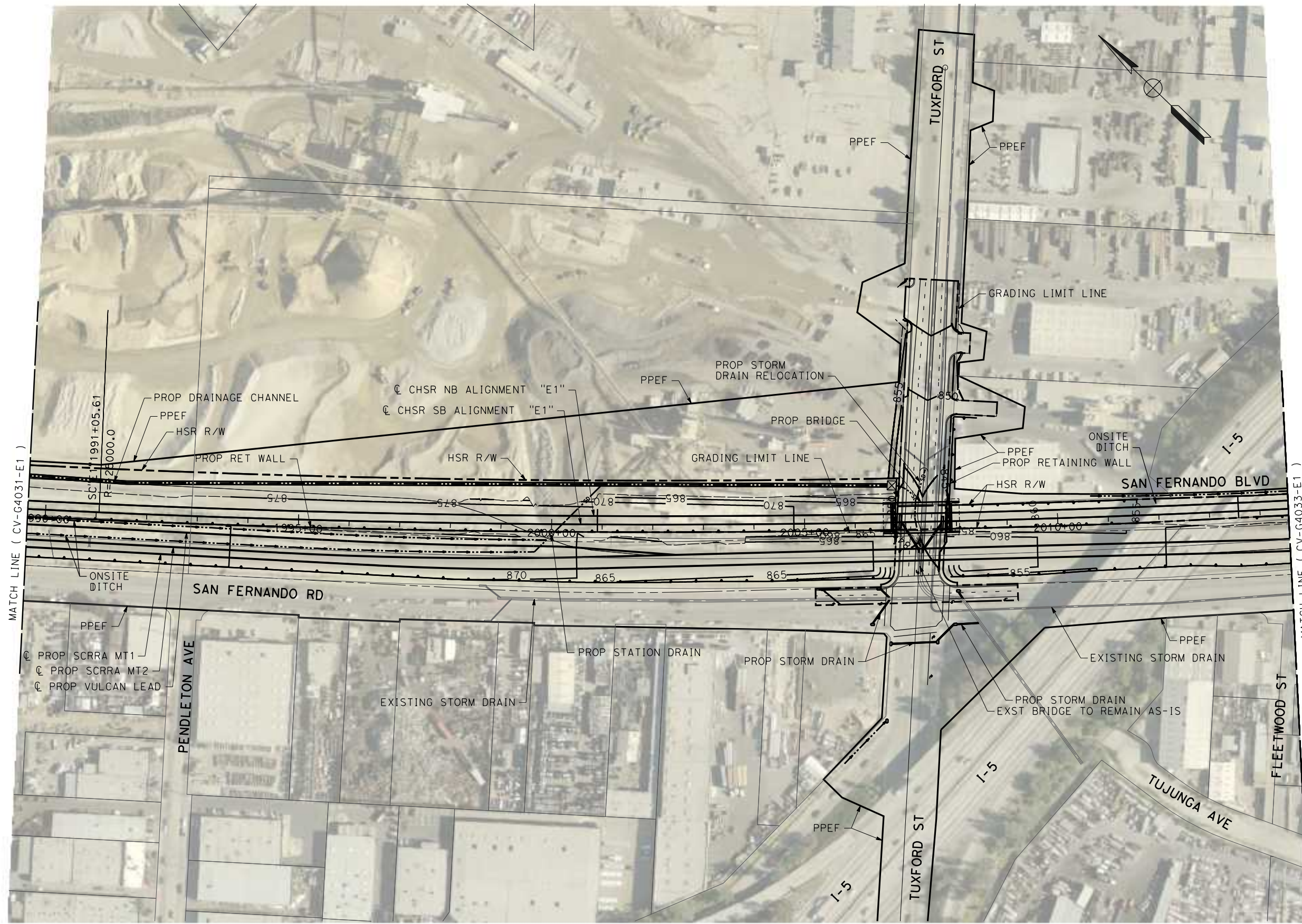


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
 GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
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 SCALE  
**AS SHOWN**  
 SHEET NO.



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 0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
**GRADING AND DRAINAGE PLAN**

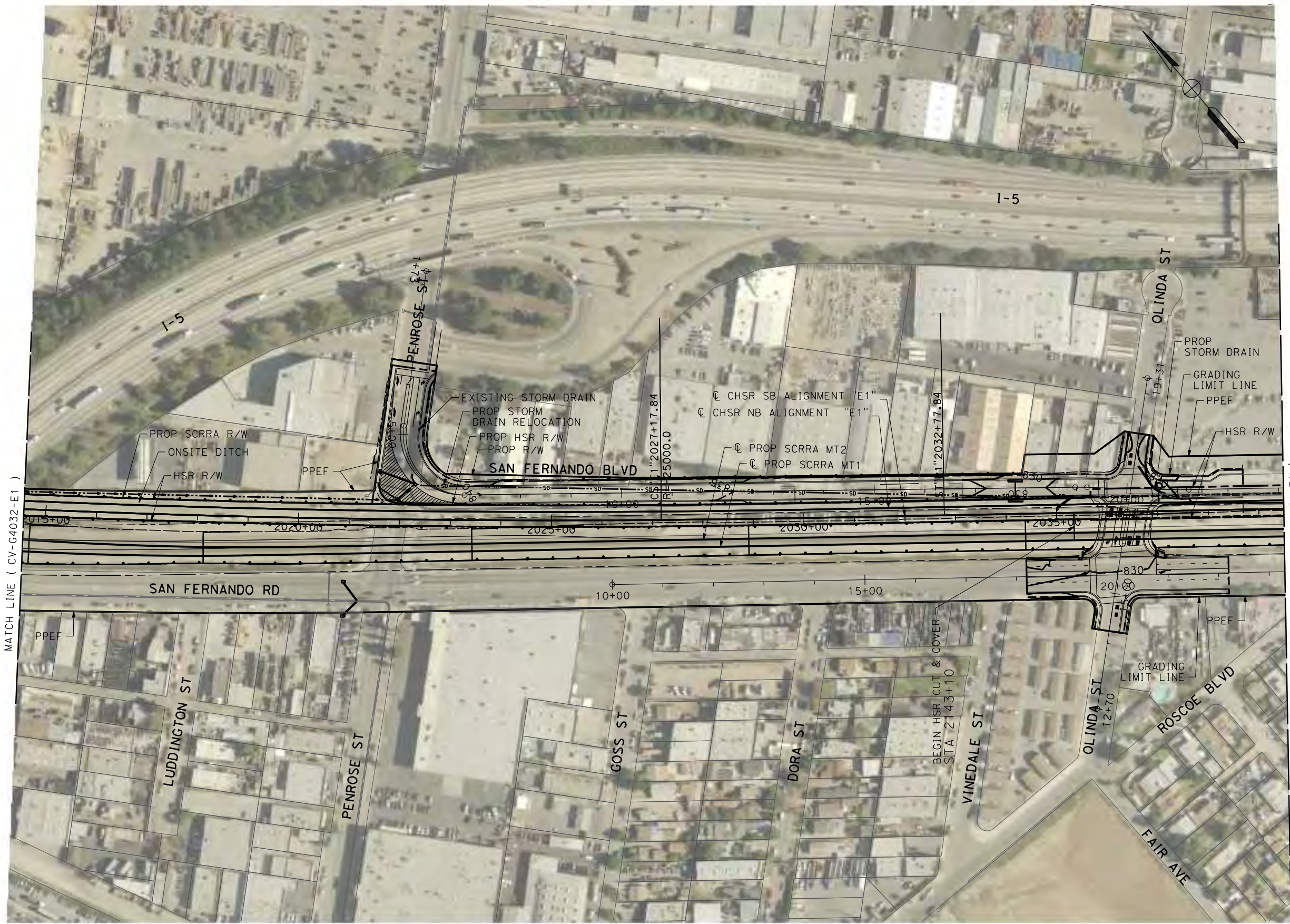
CONTRACT NO.  
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 DRAWING NO.  
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 SCALE  
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 SHEET NO.



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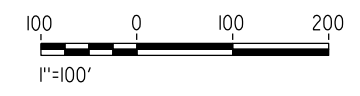
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0400074



MATCH LINE ( CV-G4032-E1 )

MATCH LINE ( CV-G4034-E1 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
REV 02  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

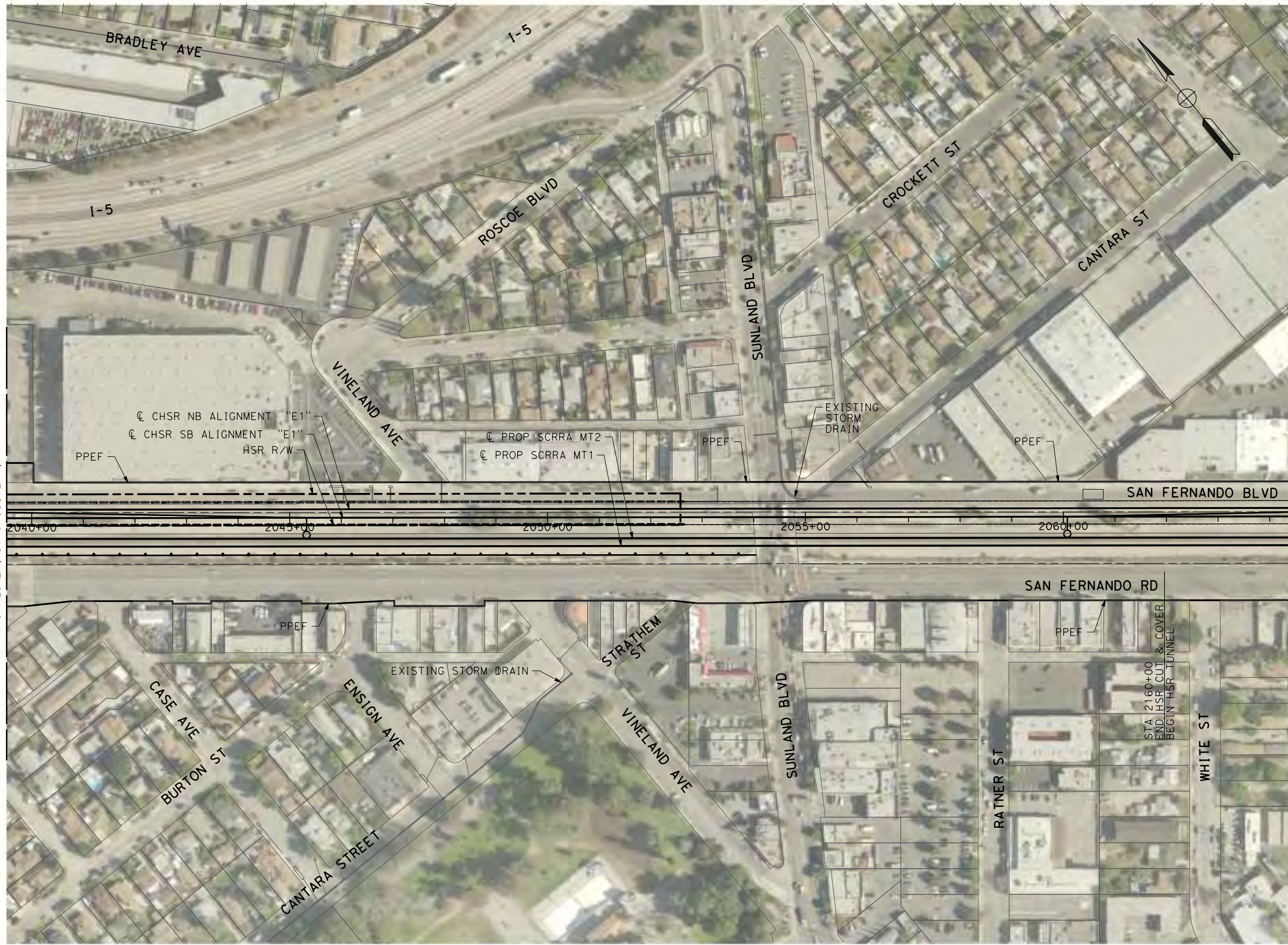
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**HSR14-42**  
DRAWING NO.  
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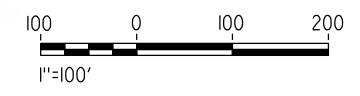
4/20/2021 9:07:00 AM

0400074



MATCH LINE ( CV-G4033-E1 )

MATCH LINE ( CV-G4035-E1 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
GRADING AND DRAINAGE PLAN

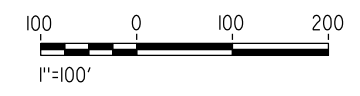
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DRAWING NO.  
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SCALE  
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SHEET NO.



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4/20/2021 9:07:07 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

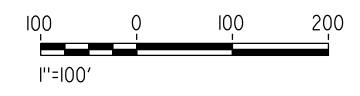
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SHEET NO.



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4/22/2021 4:35:05 PM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

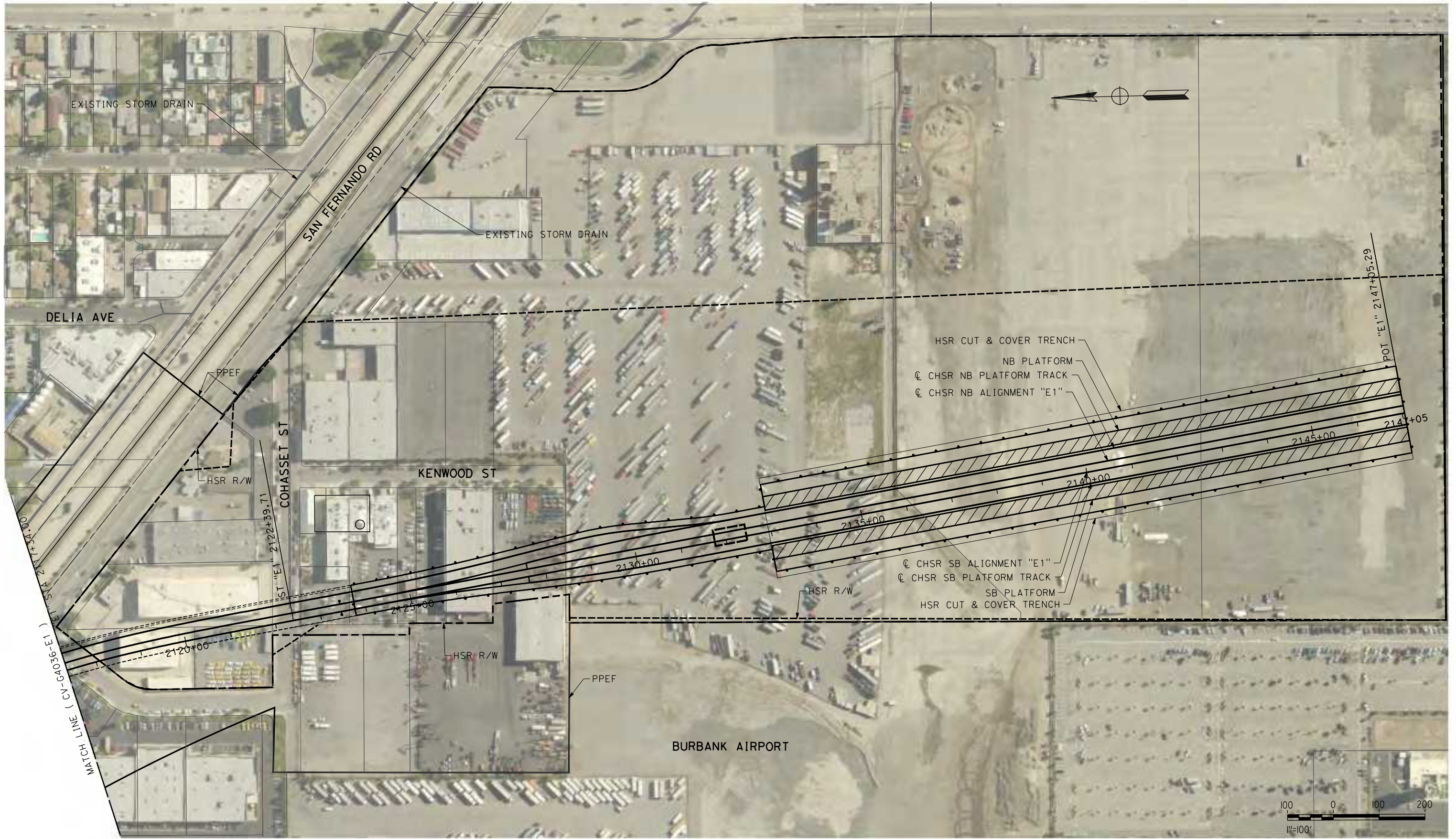
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DRAWING NO.  
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SCALE  
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SHEET NO.



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4/22/2021 5:02:30 PM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



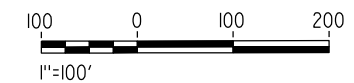
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**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4037-E1**  
SCALE  
**AS SHOWN**  
SHEET NO.



MATCH LINE (CV-4010-E1 )

MATCH LINE (CV-4009-E1)



c:\pwworking\chsr\dms19528\pb-cv-g4105-e1.dgn

4/20/2021 9:07:28 AM

0400074

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
 GRADING AND DRAINAGE PLAN

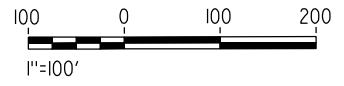
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 SCALE  
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 SHEET NO.



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4/20/2021 9:07:35 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
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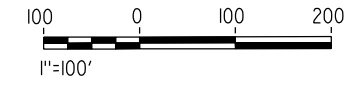


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
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DRAWING NO.  
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SCALE  
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SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

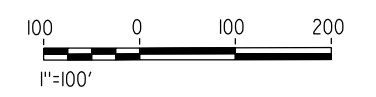
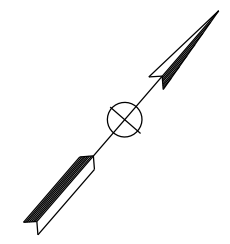


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E1"  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4108-E1**  
SCALE  
**AS SHOWN**  
SHEET NO.





MATCH LINE ( CV-G4021-E1 )



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4/20/2021 9:07:54 AM

0400074

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR**  
**CONSTRUCTION**

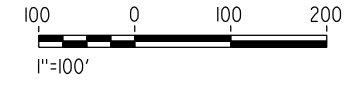


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
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DRAWING NO.  
**CV-G4109-E1**  
SCALE  
**AS SHOWN**  
SHEET NO.



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MATCH LINE ( CV-G4028-E1 )

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET  
REV 02  
NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK  
ALIGNMENT "E1"  
GRADING AND DRAINAGE PLAN**

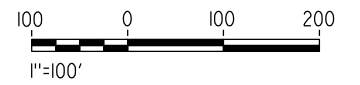
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**CV-G4110-E1**  
SCALE  
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SHEET NO.



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4/20/2021 9:08:01 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

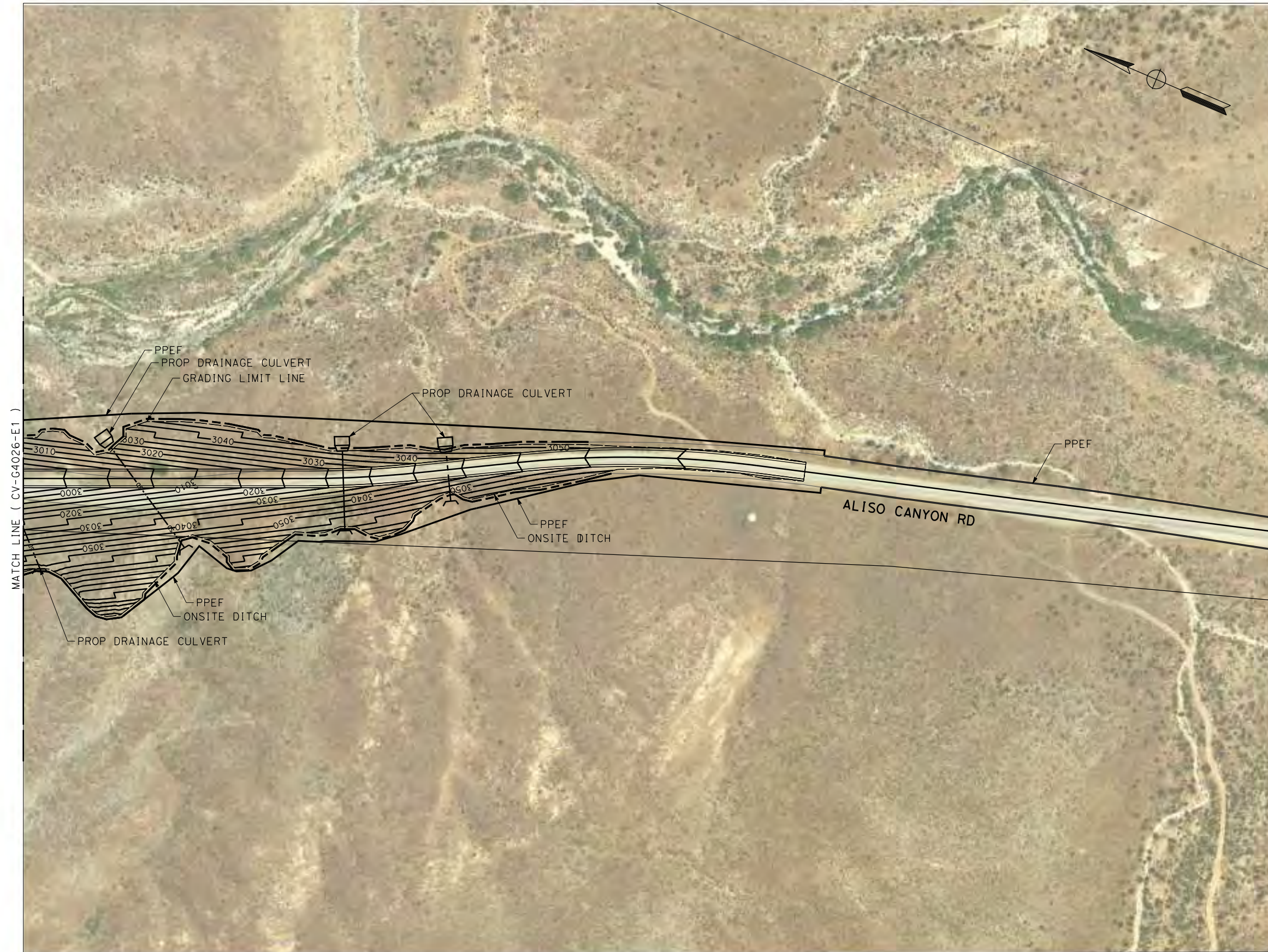
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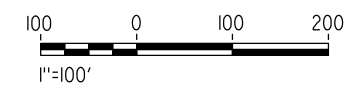
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4/20/2021 9:08:08 AM

0400074



MATCH LINE ( CV-G4026-E1 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
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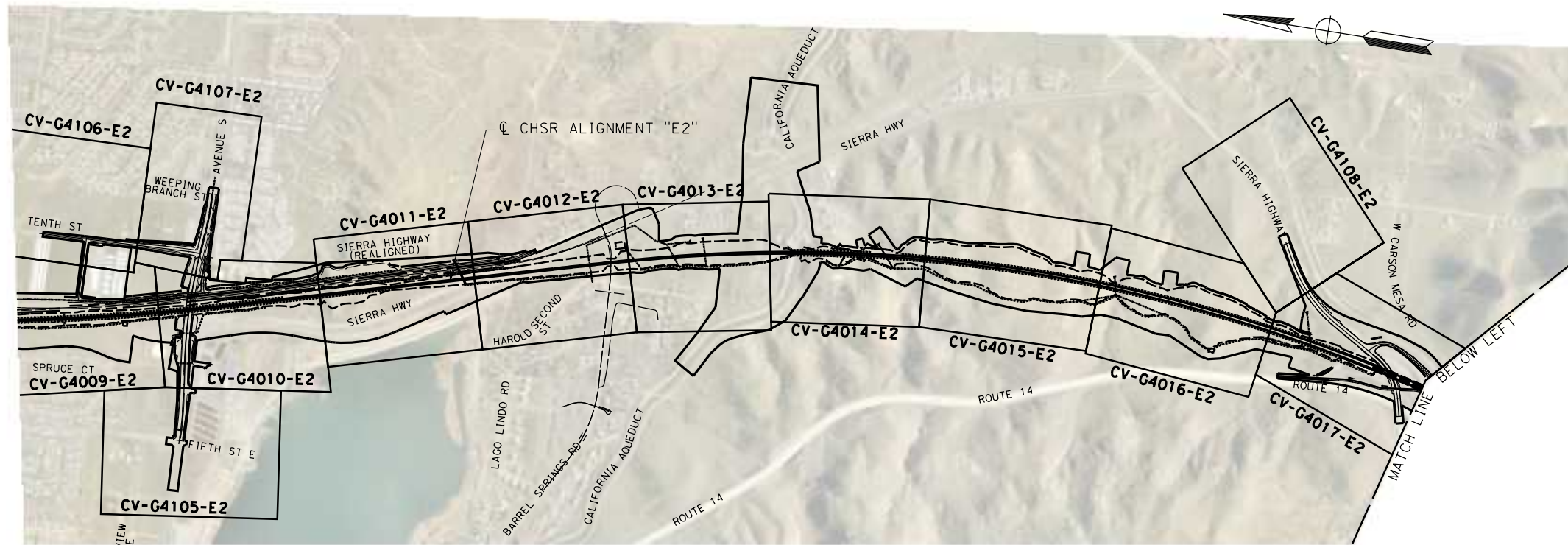


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E1"  
  
GRADING AND DRAINAGE PLAN

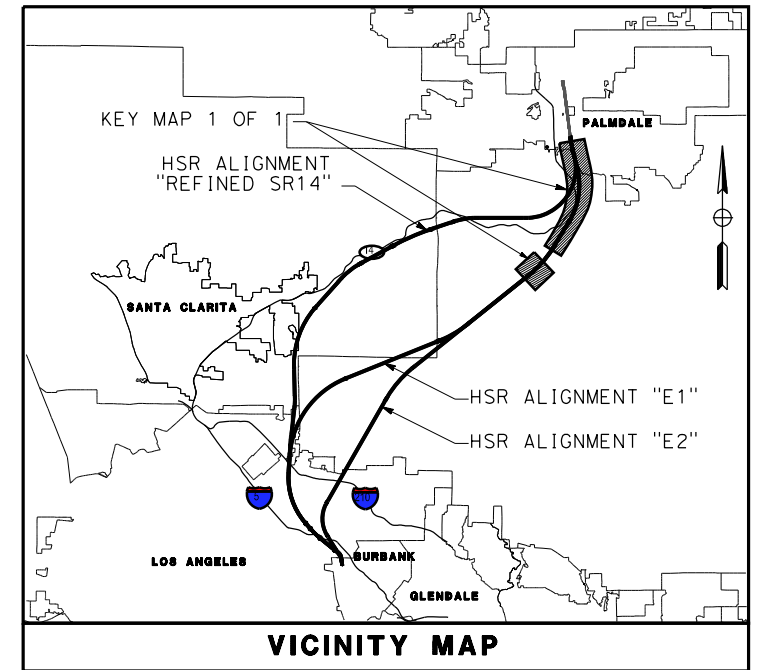
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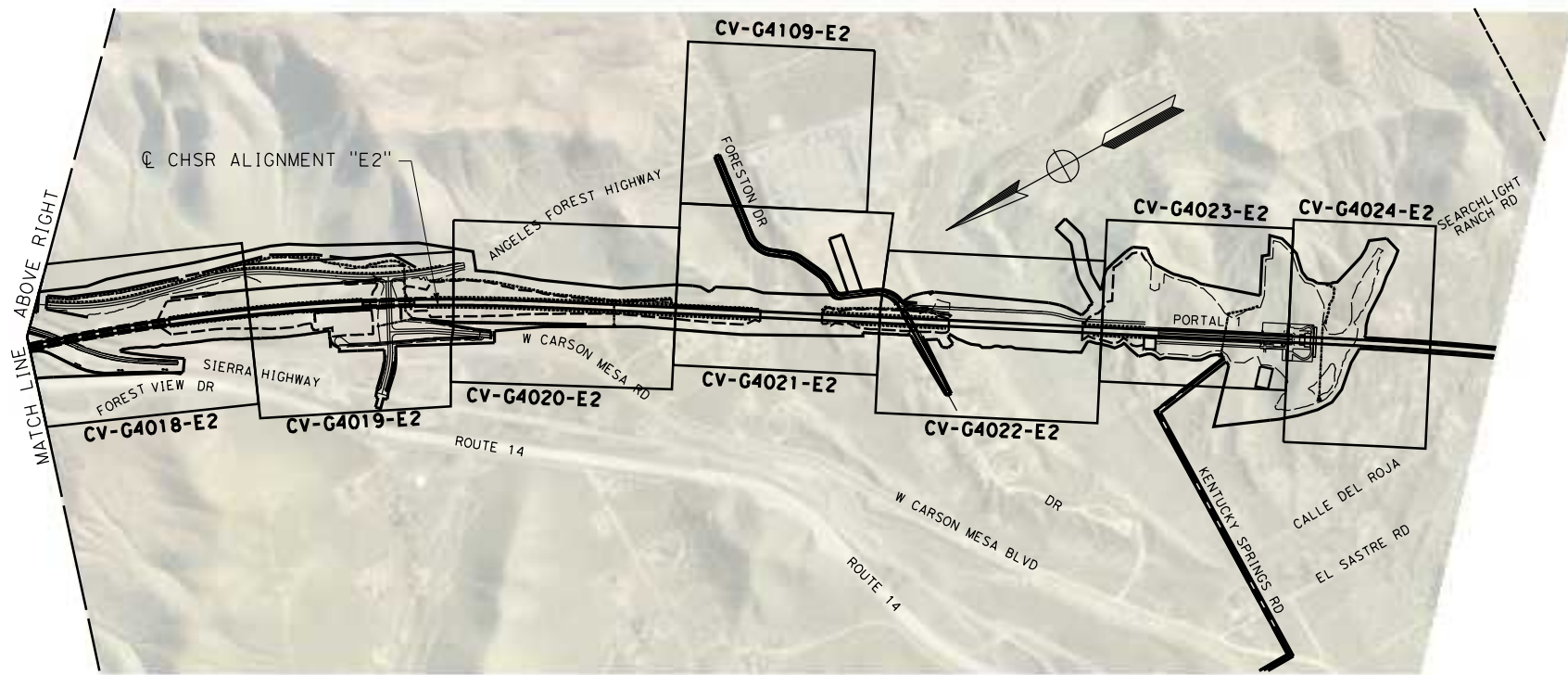
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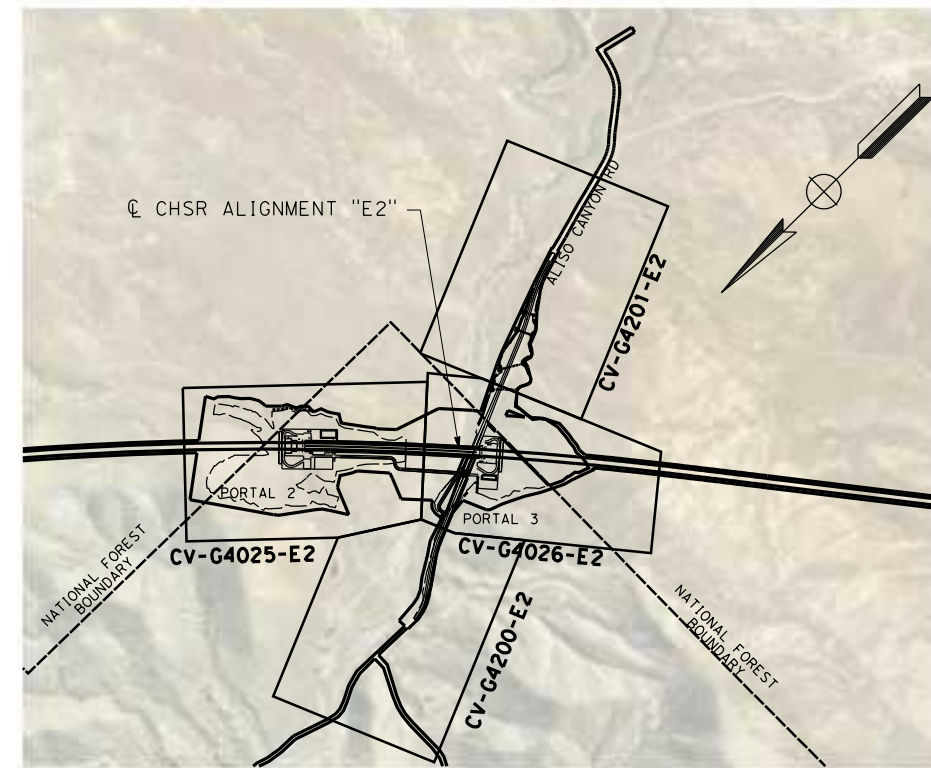
**E2**



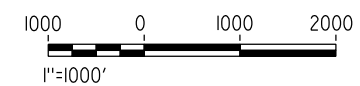
**VICINITY MAP**



**E2**



**E2**



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
 DRAWN BY  
**JC. ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELAÑO**  
 DATE  
**04/30/2021**

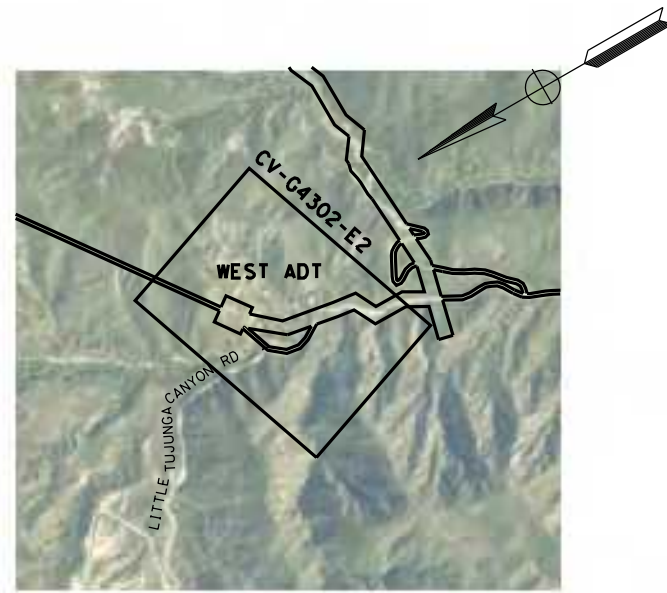
**PEPD RECORD SET  
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 NOT FOR  
 CONSTRUCTION**



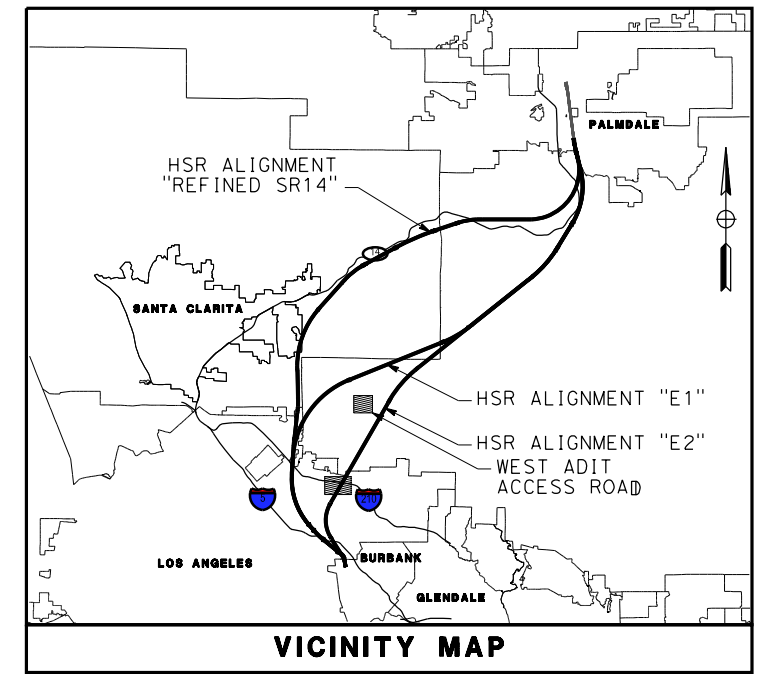
**CALIFORNIA HIGH-SPEED RAIL PROJECT  
 PALMDALE TO BURBANK  
 ALIGNMENT "E1/E2"  
 GRADING AND DRAINAGE PLAN  
 KEY MAP 1 OF 2**

CONTRACT NO.  
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 DRAWING NO.  
**CV-B0001-E2**  
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 SHEET NO.

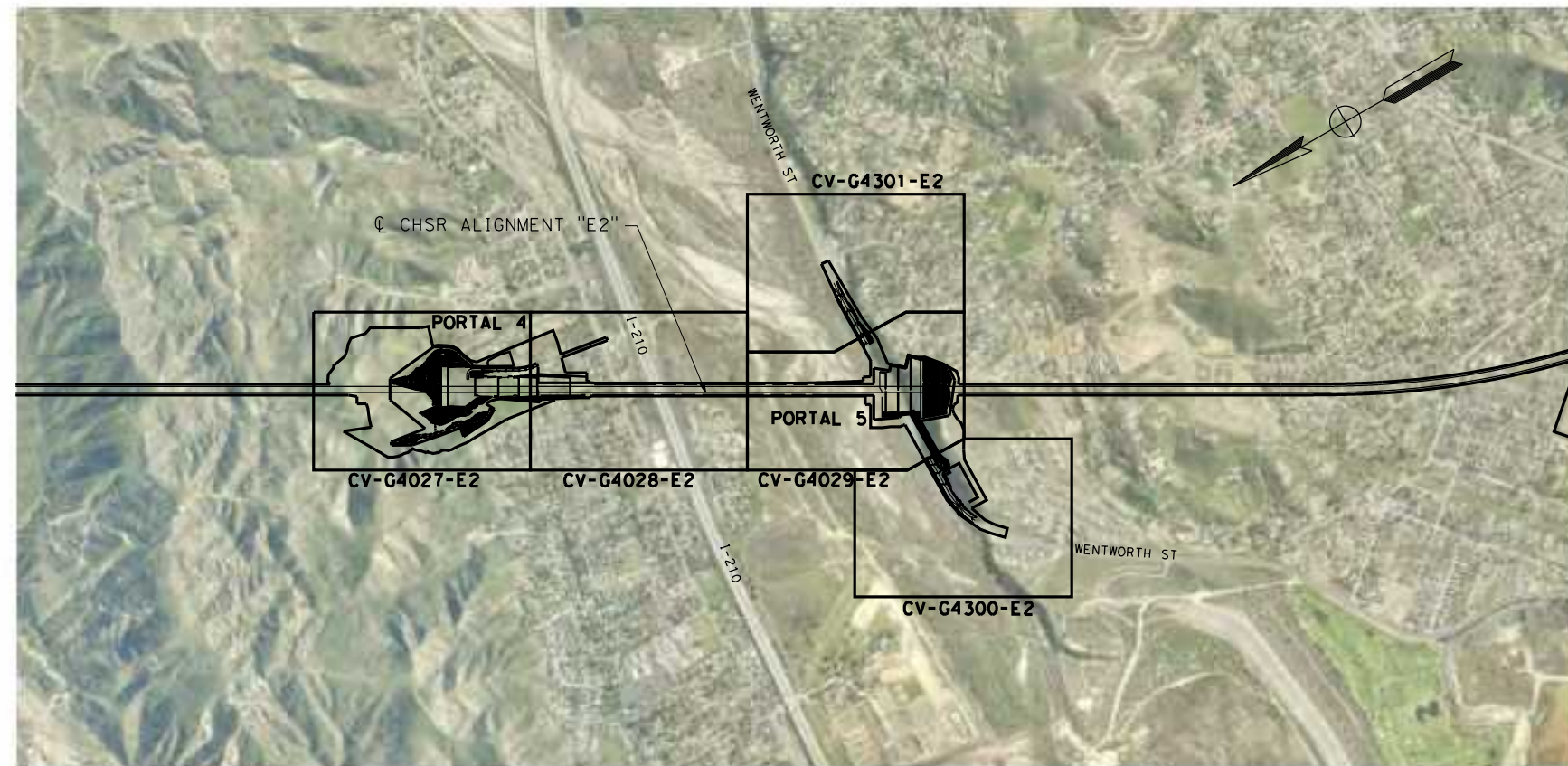




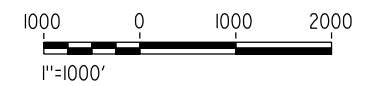
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**VICINITY MAP**



**E2**



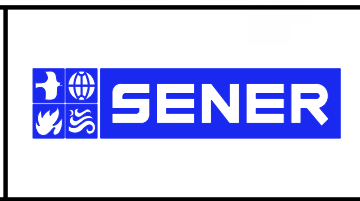
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET  
REV02**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK  
ALIGNMENT "E2"**

GRADING AND DRAINAGE PLAN  
KEY MAP 2 OF 2

CONTRACT NO.  
**HSR14-42**

DRAWING NO.  
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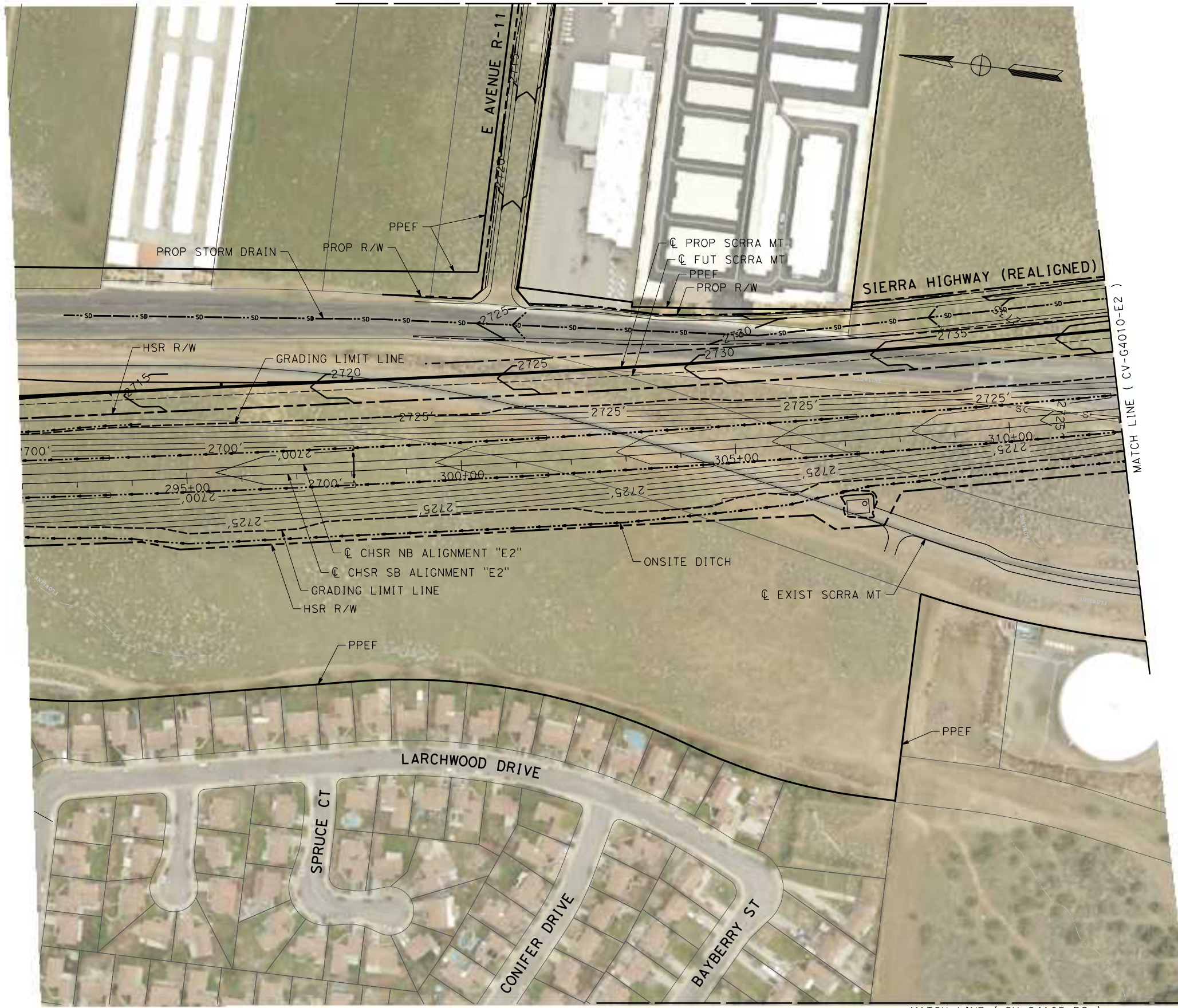
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SHEET NO.



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 0400073

MATCH LINE ( CV-G4106-E2 AND CV-G4107-E2 )



MATCH LINE ( CV-G4105-E2 )

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
 REV 02  
**NOT FOR CONSTRUCTION**

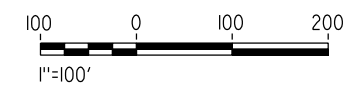
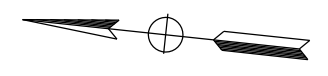
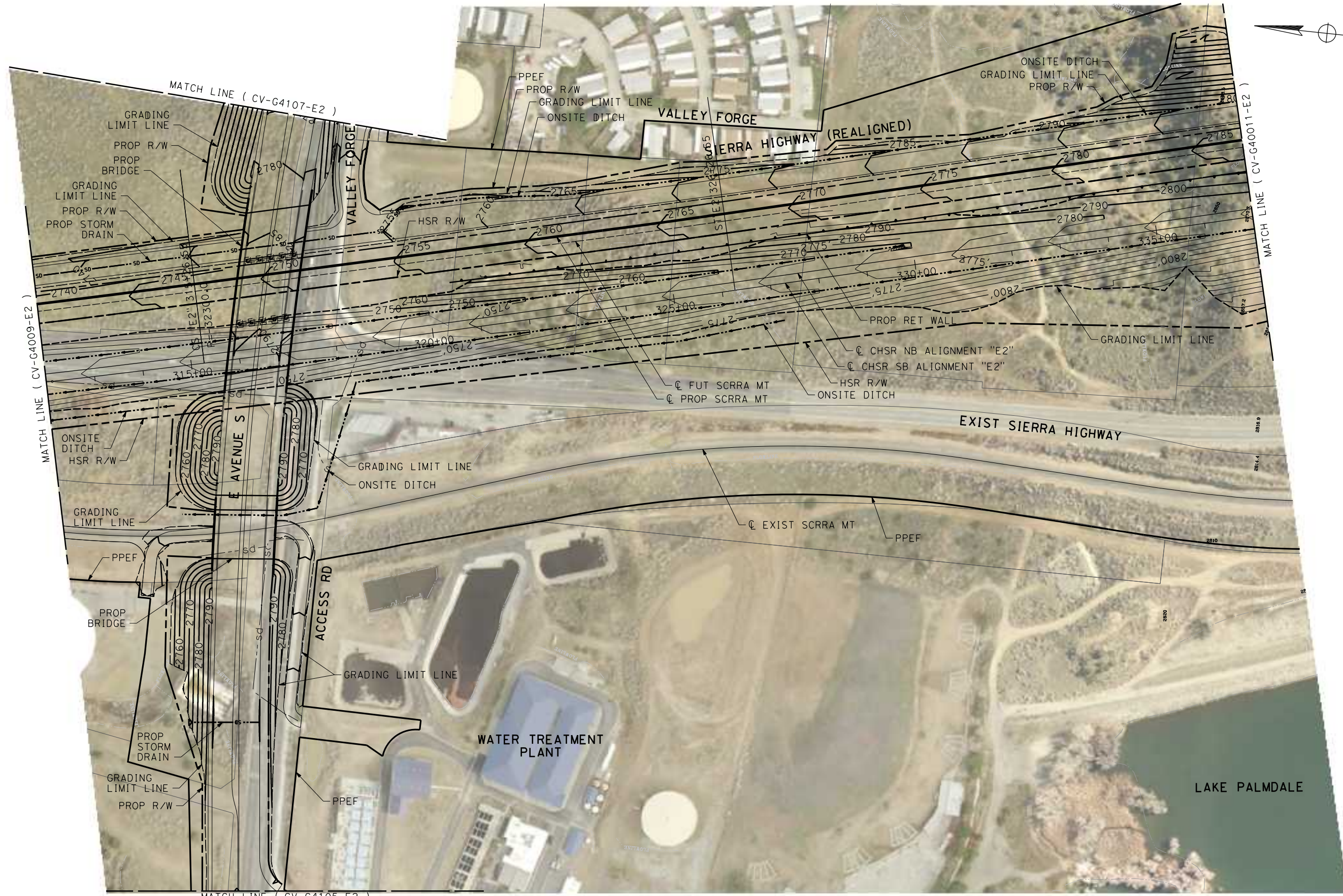


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 GRADING AND DRAINAGE PLAN

CONTRACT NO.  
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 DRAWING NO.  
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 SCALE  
**AS SHOWN**  
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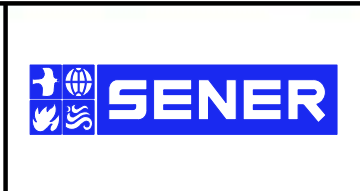
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

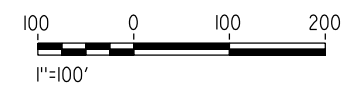
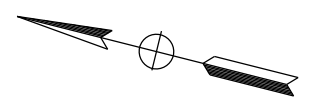
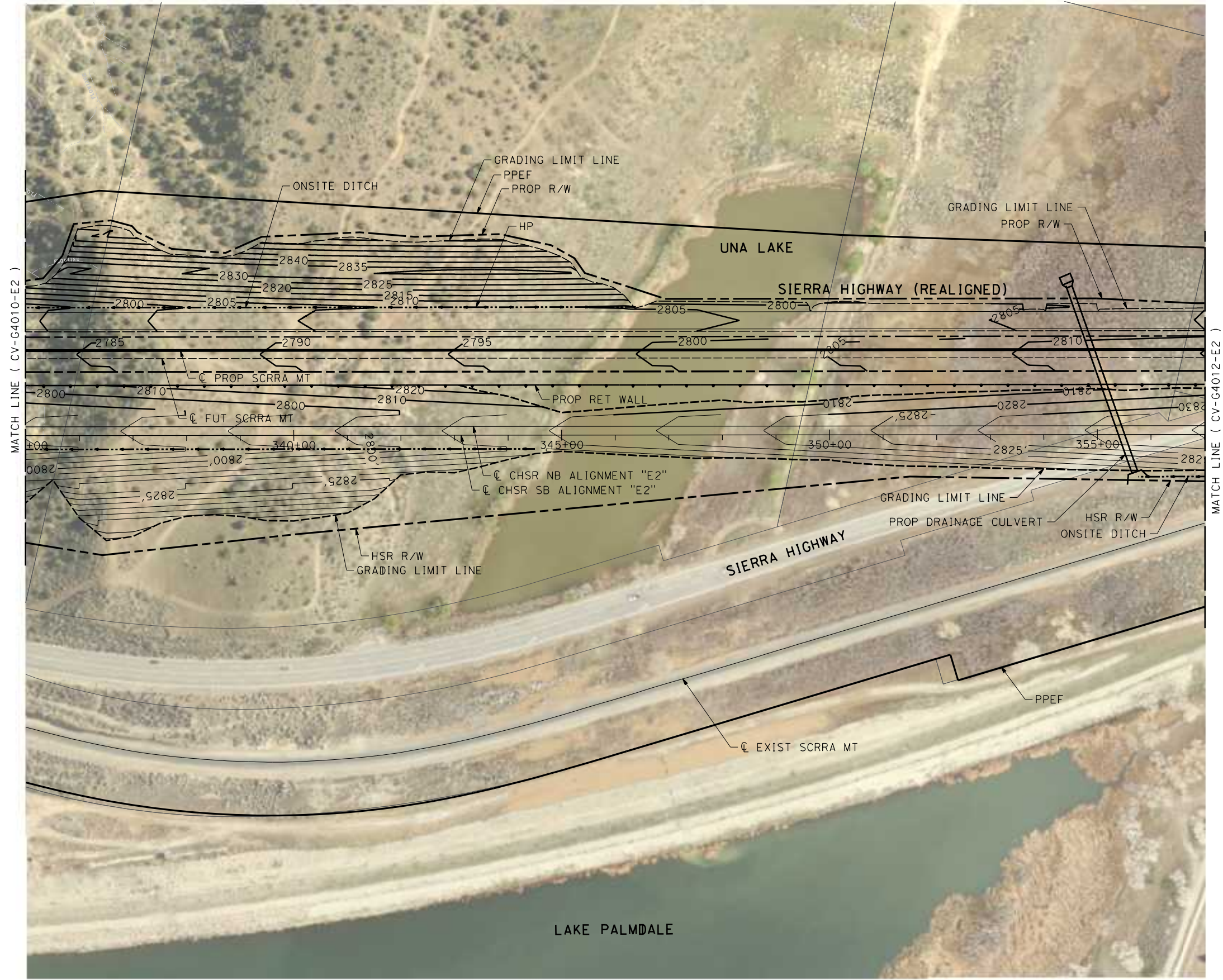


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
**CV-G4010-E2**  
 SCALE  
**AS SHOWN**  
 SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

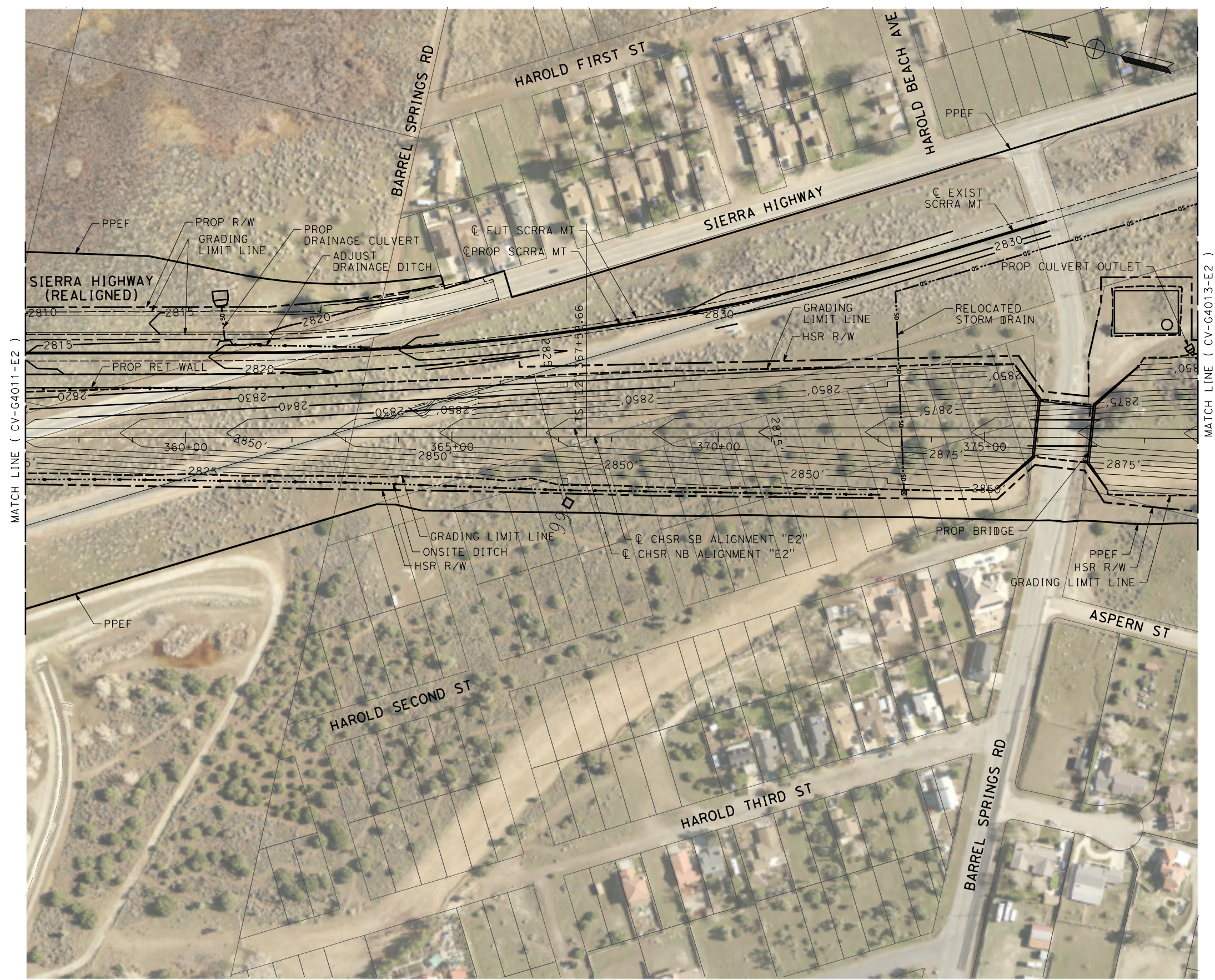


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
**CV-G4011-E2**  
 SCALE  
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 SHEET NO.

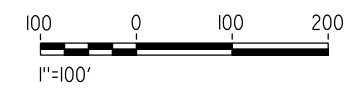


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 0400073



MATCH LINE ( CV-G4011-E2 )

MATCH LINE ( CV-G4013-E2 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 GRADING AND DRAINAGE PLAN

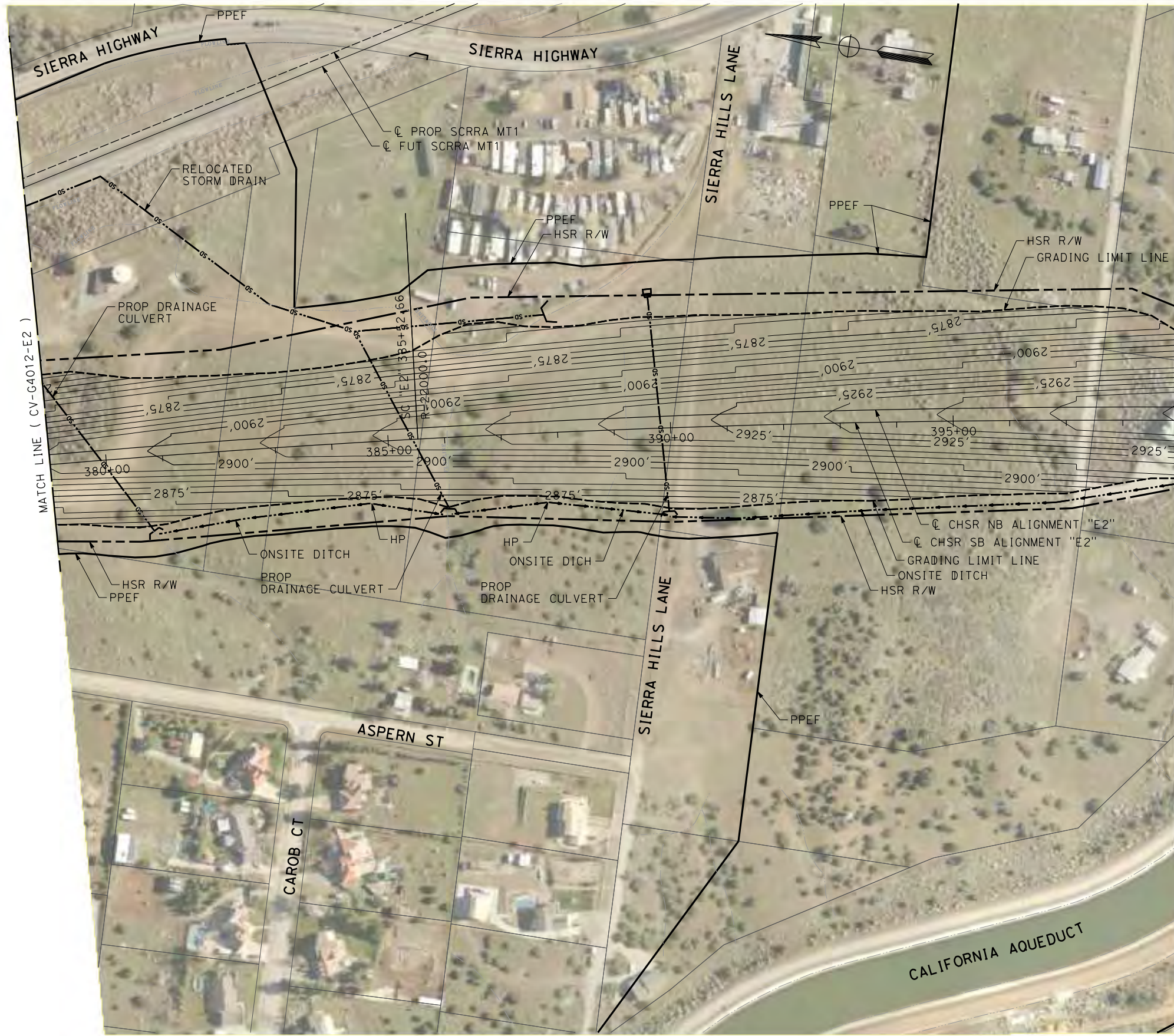
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 SHEET NO.



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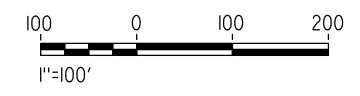
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0400074



MATCH LINE ( CV-G4012-E2 )

MATCH LINE ( CV-G4014-E2 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

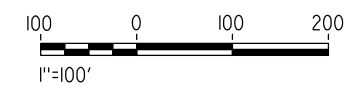
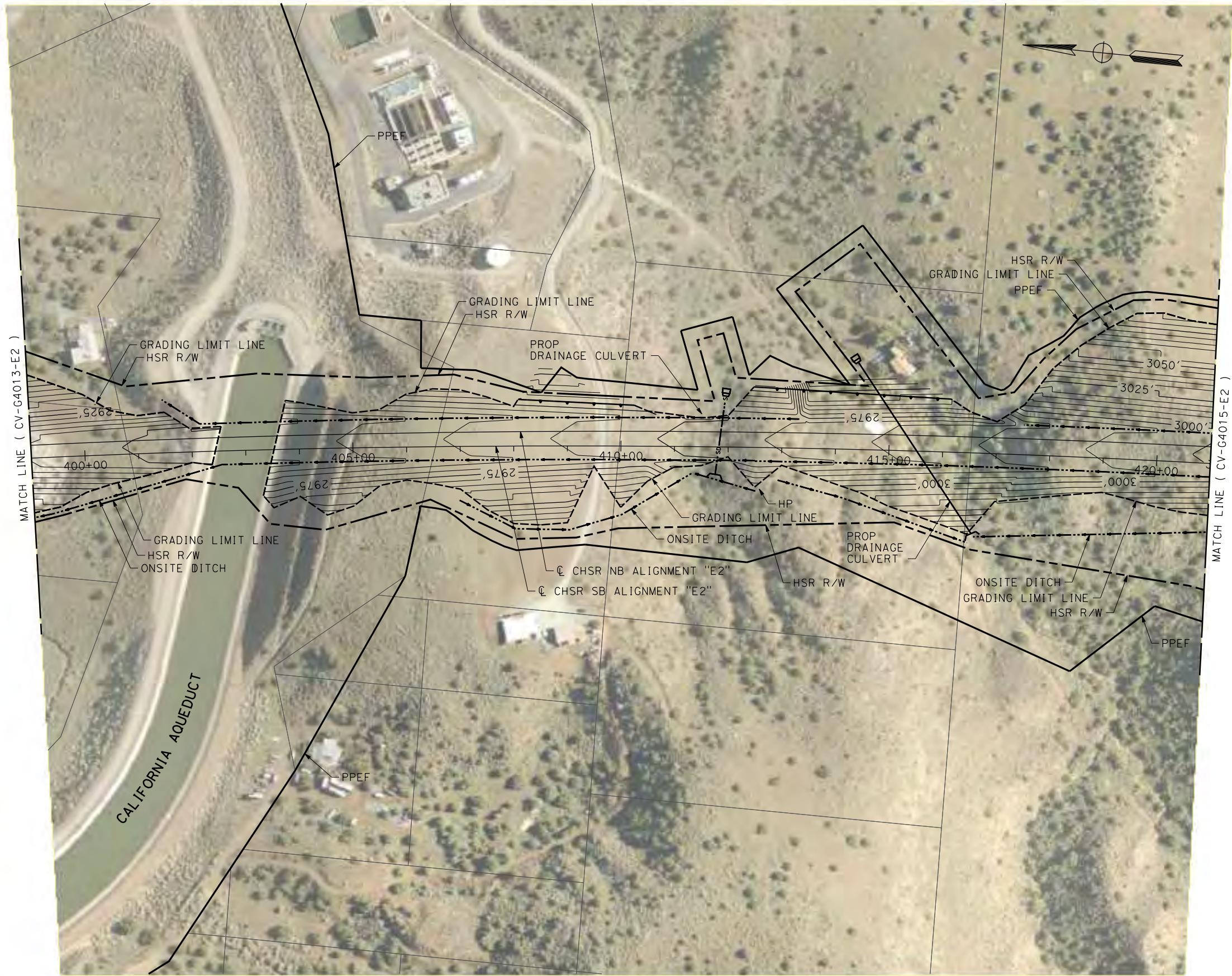
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DRAWING NO.  
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SCALE  
**AS SHOWN**  
SHEET NO.



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4/20/2021 9:09:37 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

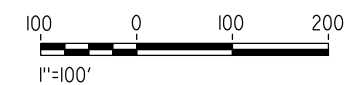
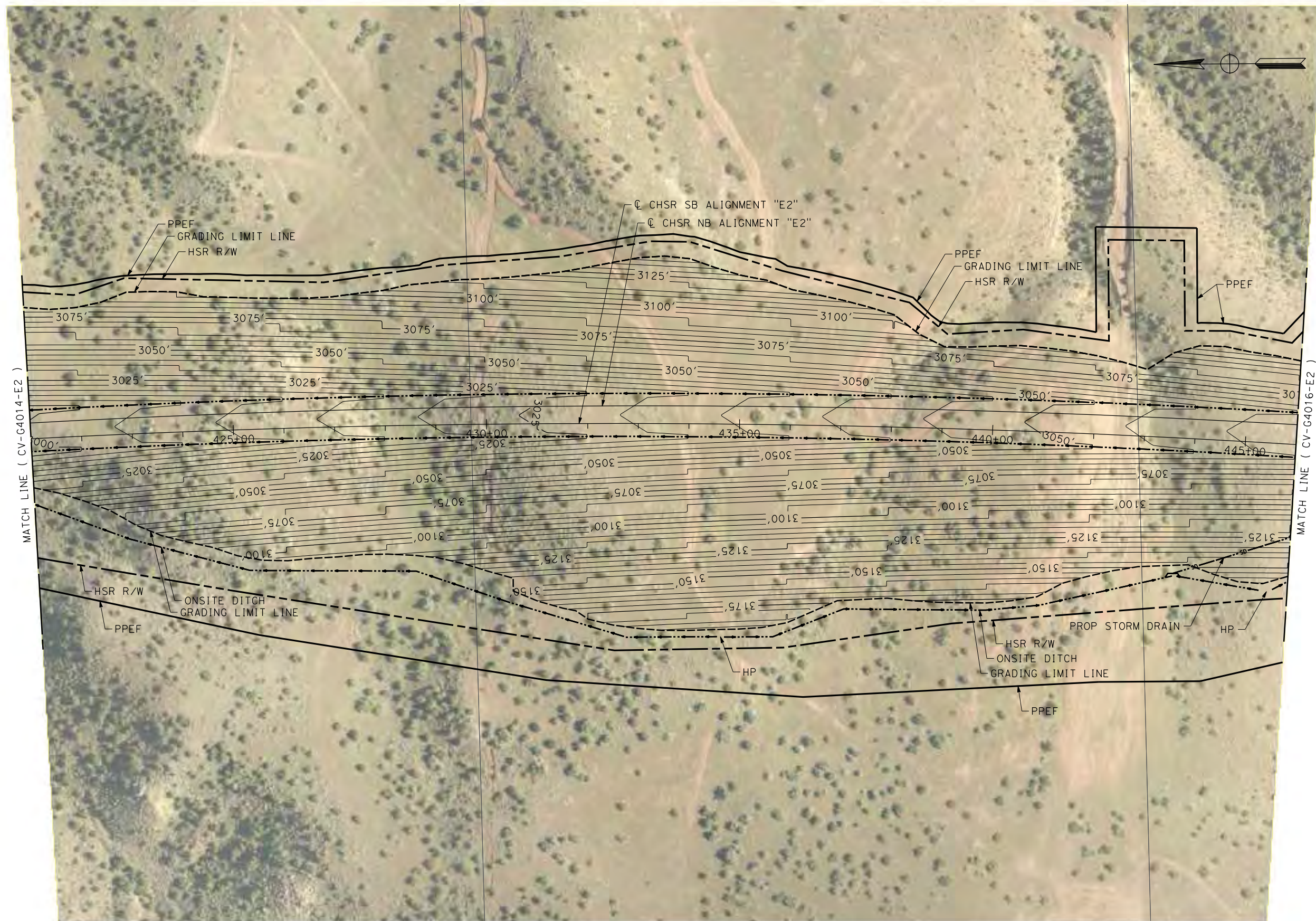
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DRAWING NO.  
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SCALE  
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SHEET NO.



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4/20/2021 9:09:47 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

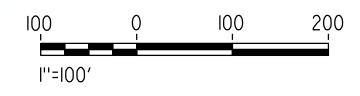
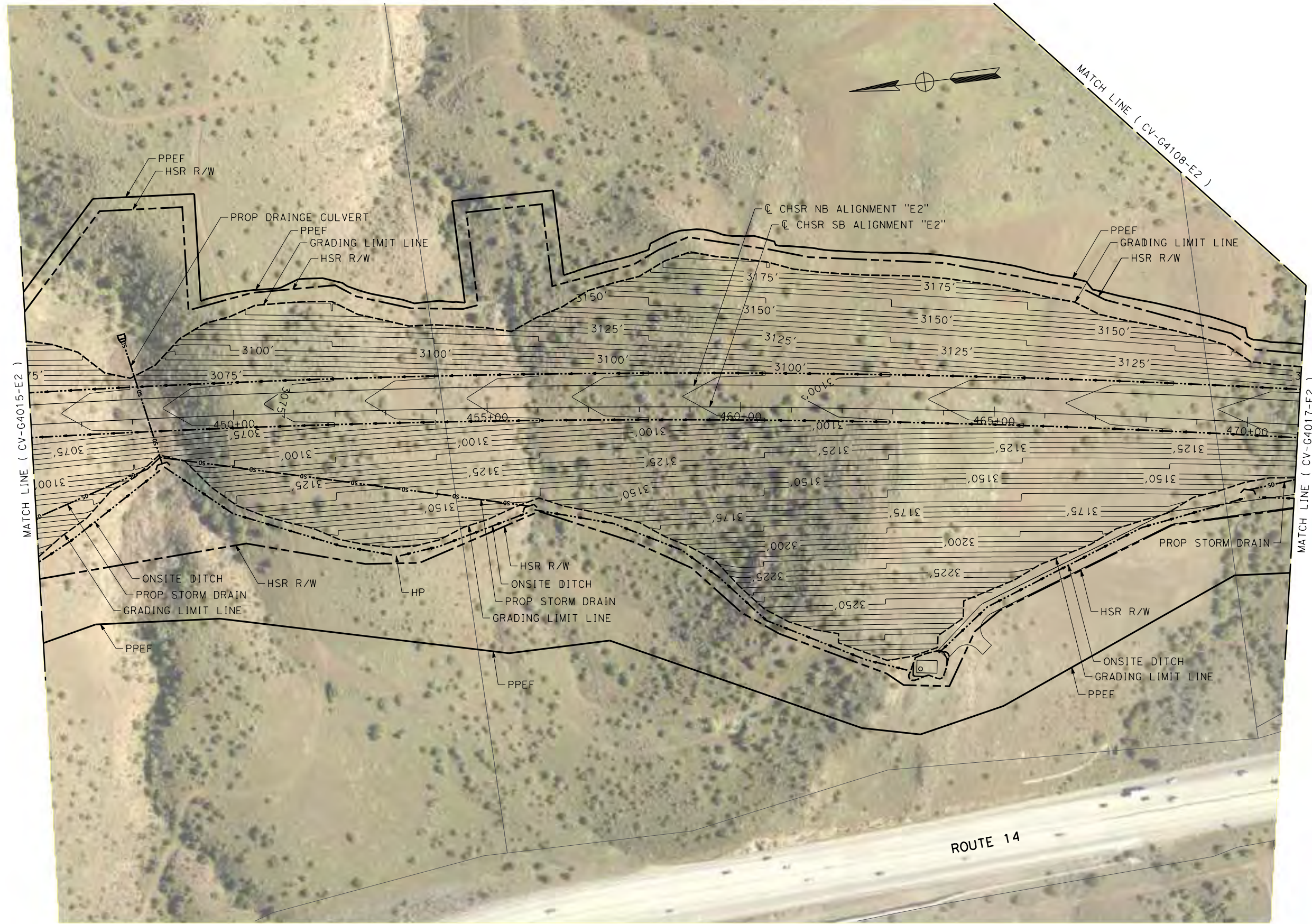
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SCALE  
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SHEET NO.



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4/20/2021 9:09:58 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**

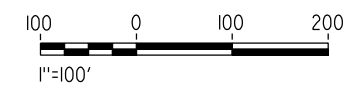
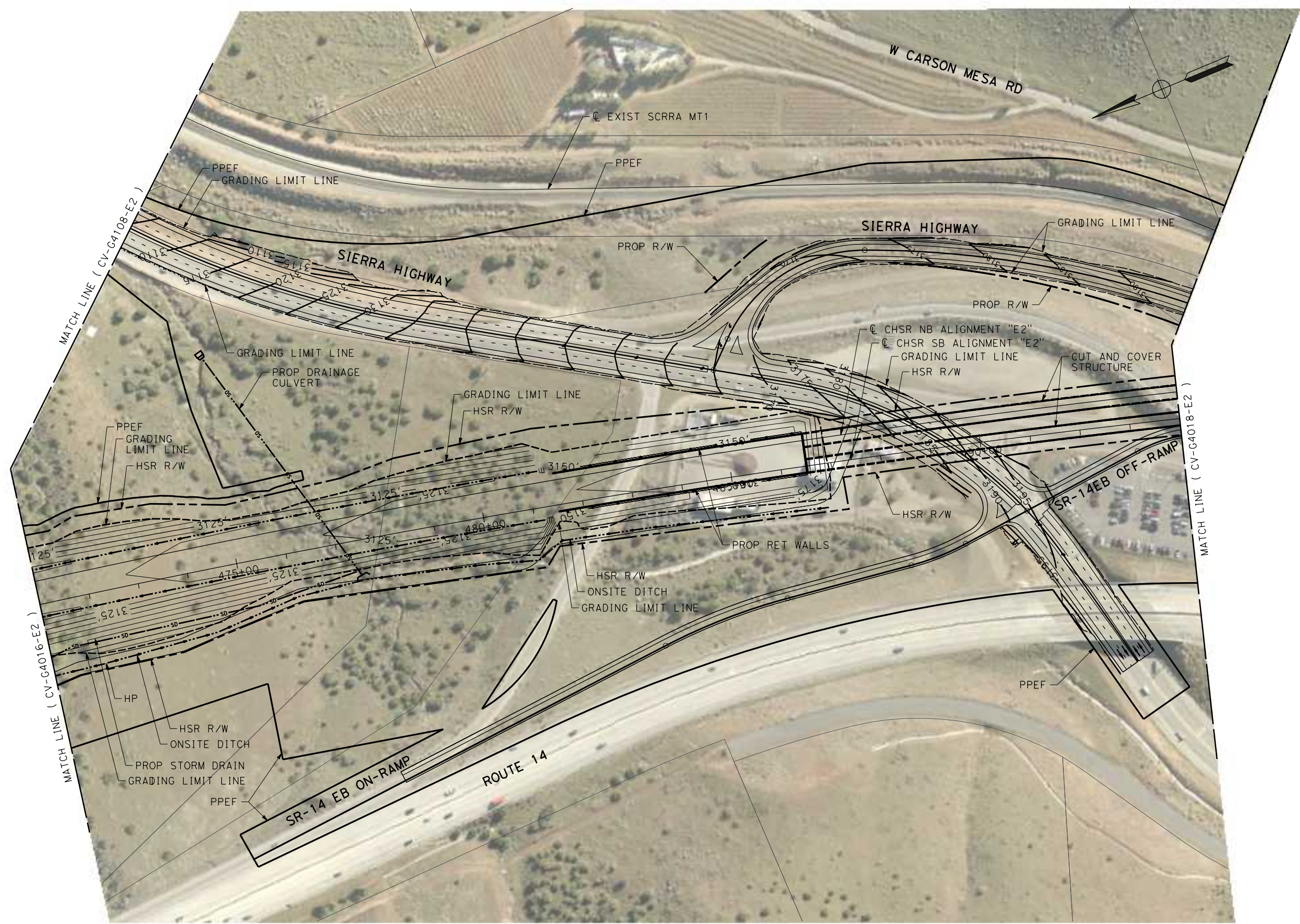


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
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SCALE  
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SHEET NO.



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 0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

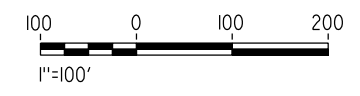
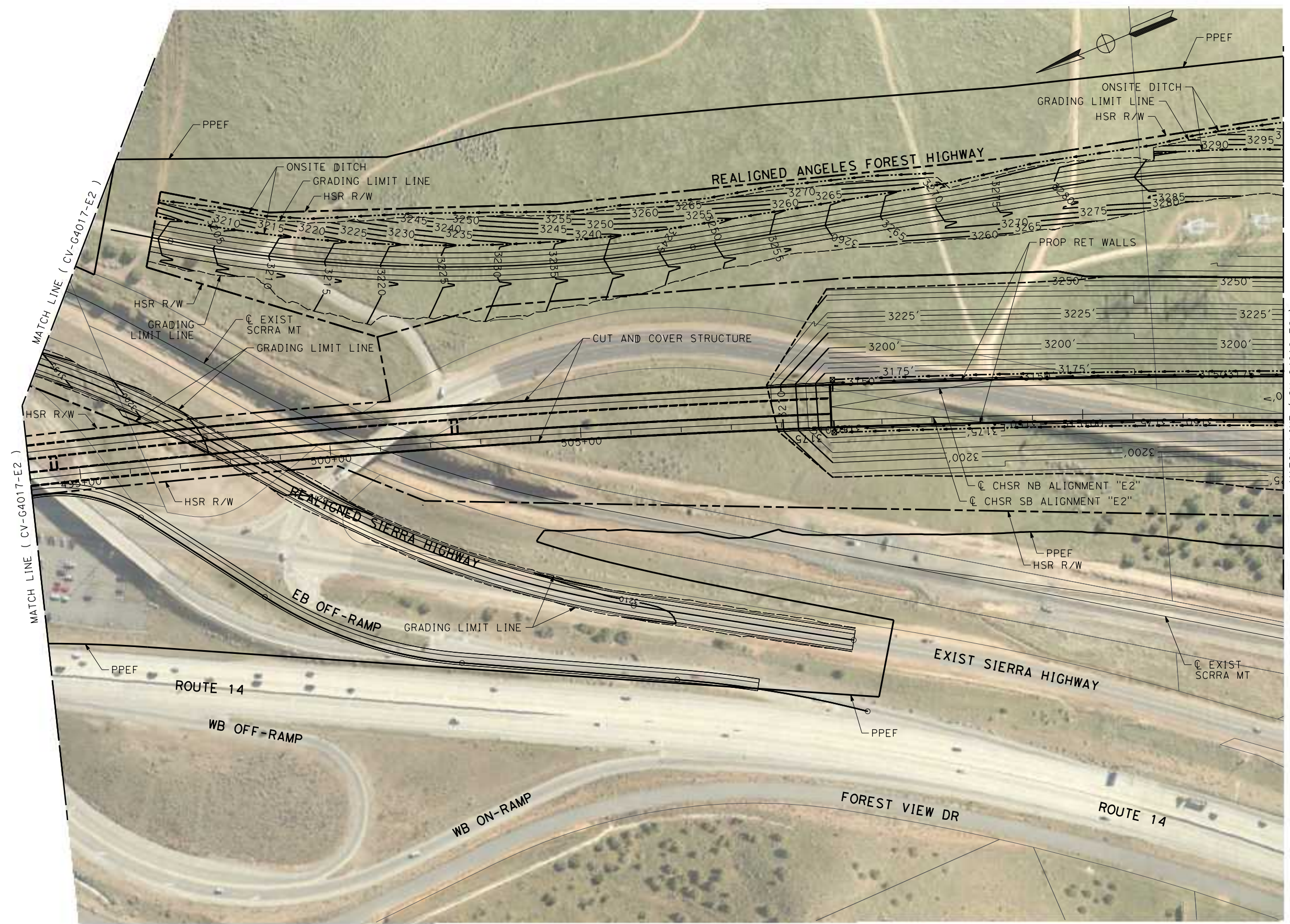


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 GRADING AND DRAINAGE PLAN

CONTRACT NO.  
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 SCALE  
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

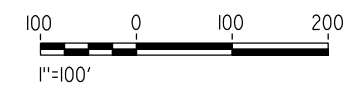
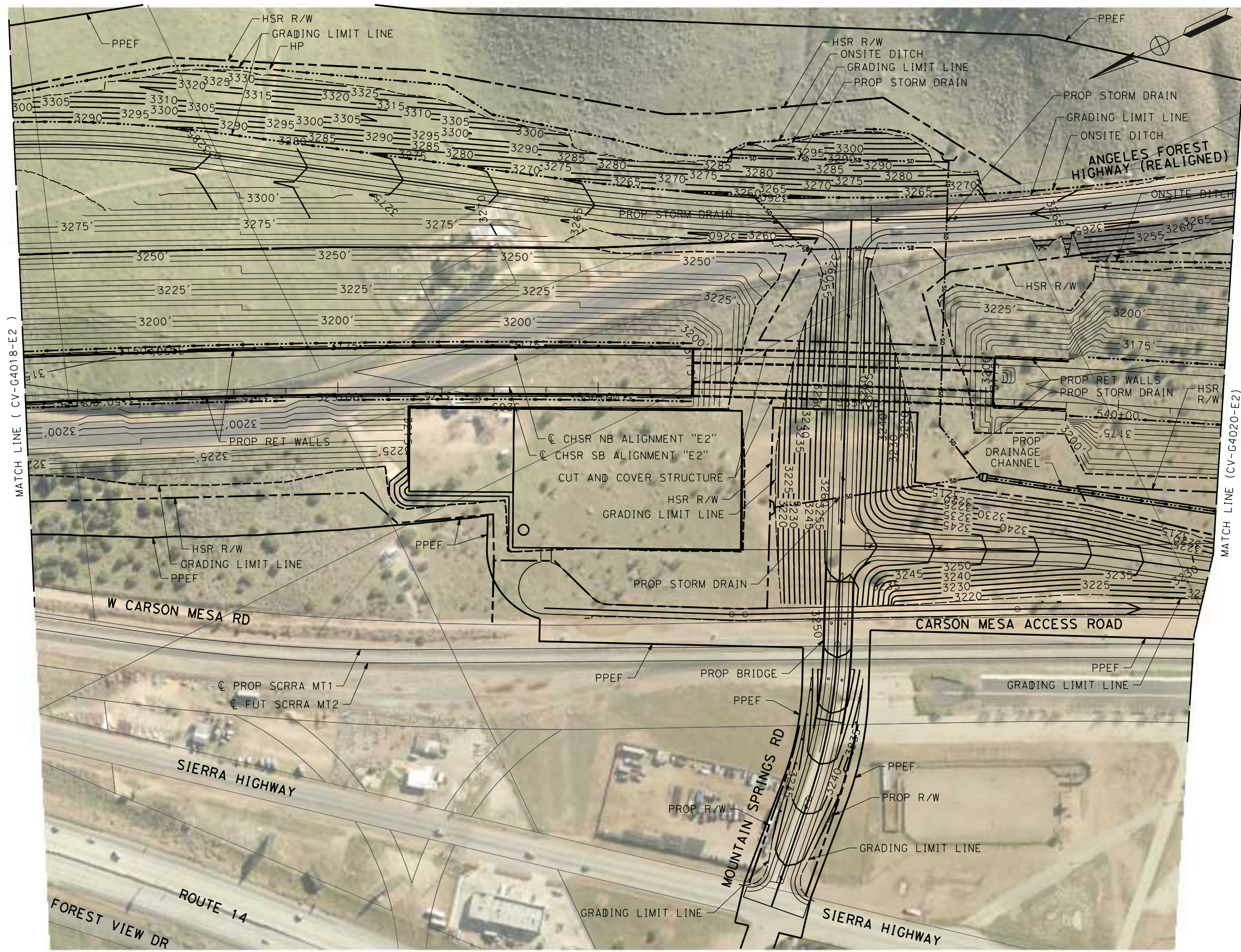


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
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 SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

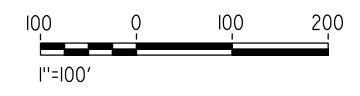
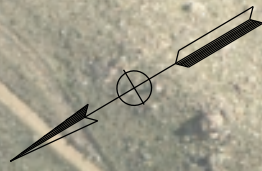
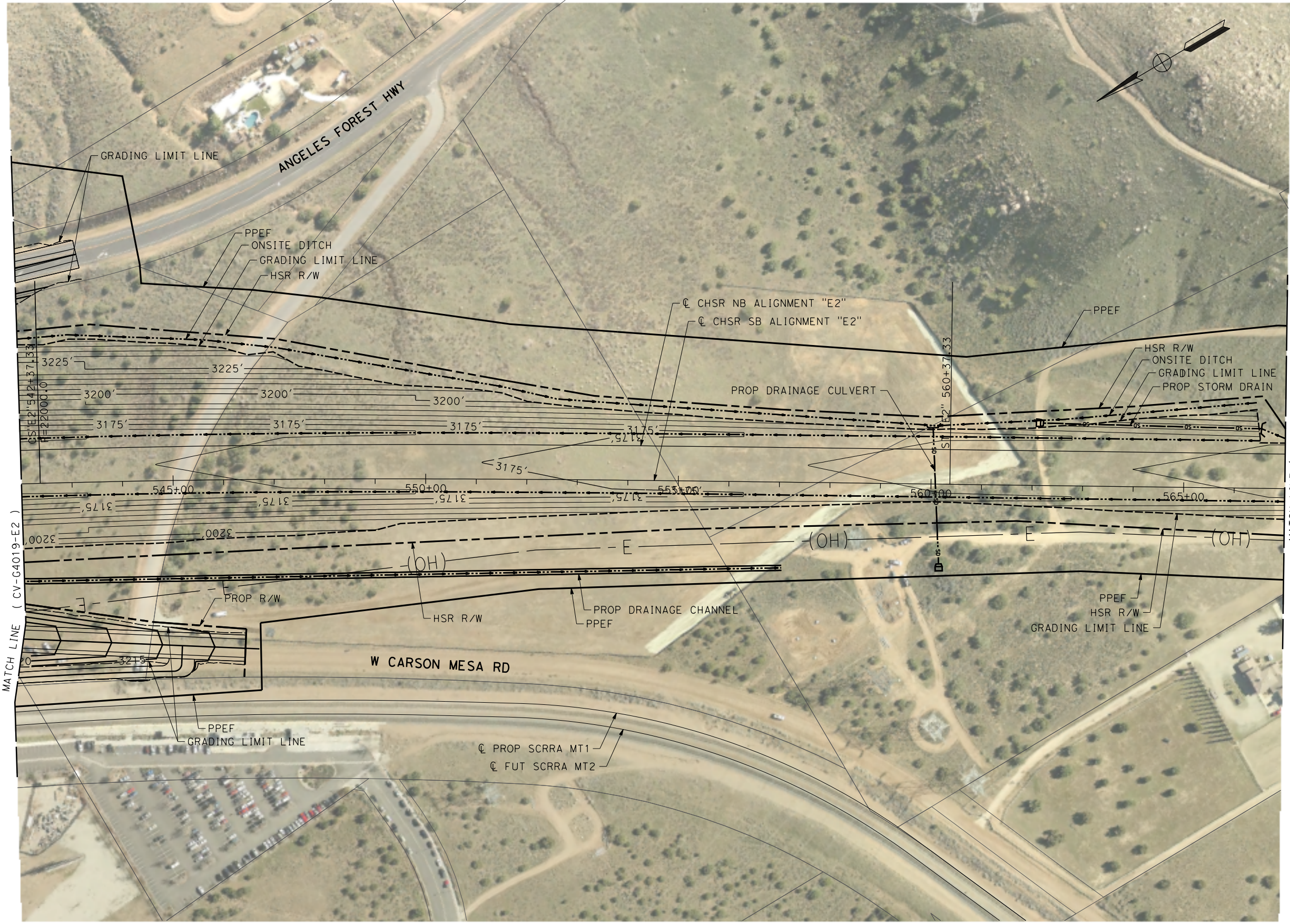


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
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**AS SHOWN**  
 SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

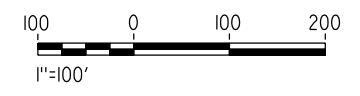
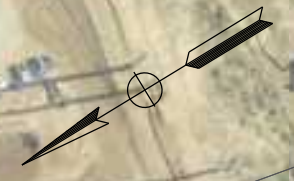
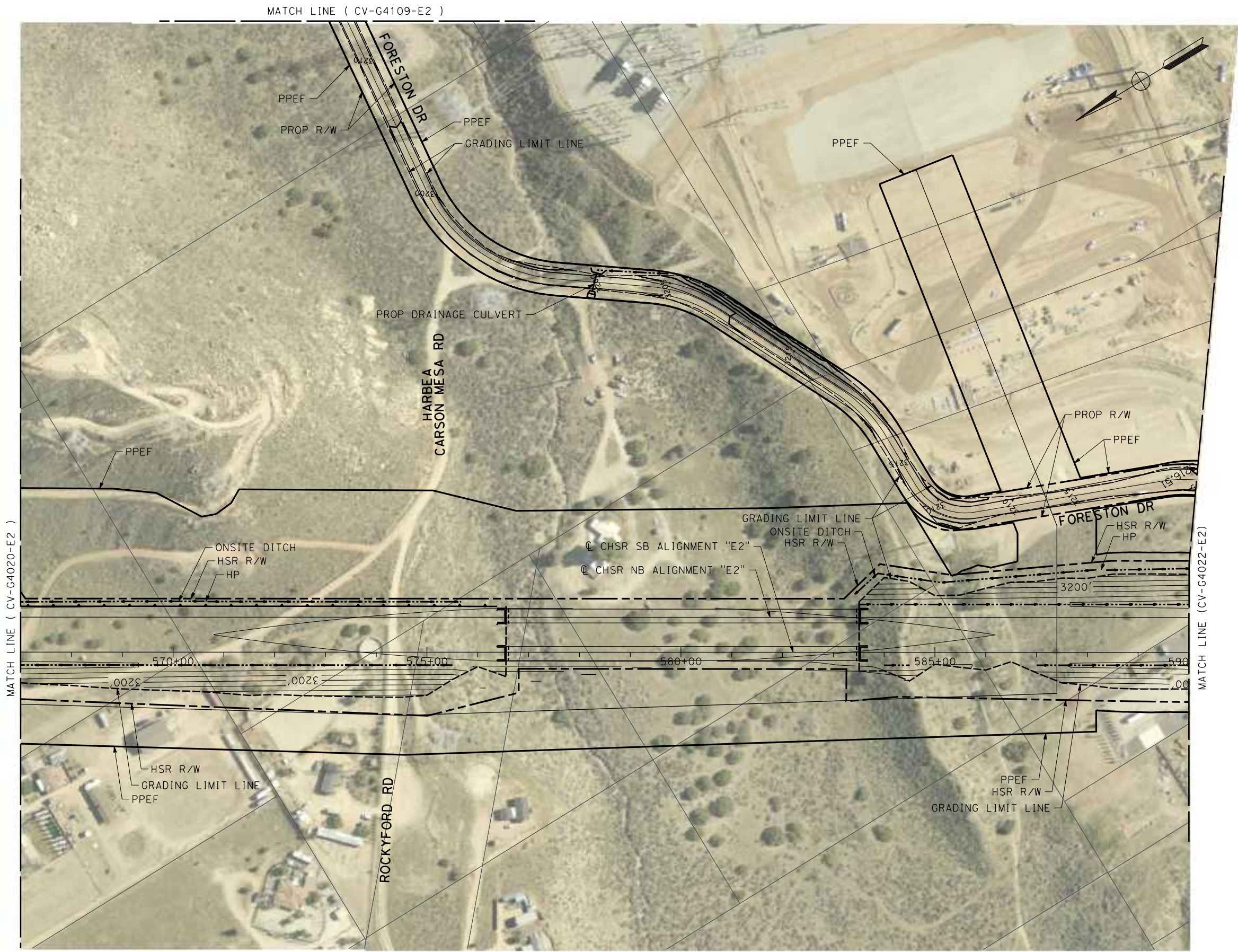


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
**GRADING AND DRAINAGE PLAN**

CONTRACT NO.  
**HSR14-42**  
 DRAWING NO.  
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 SCALE  
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
 DRAWN BY  
**JC ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELANO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
**GRADING AND DRAINAGE PLAN**

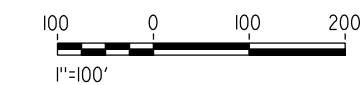
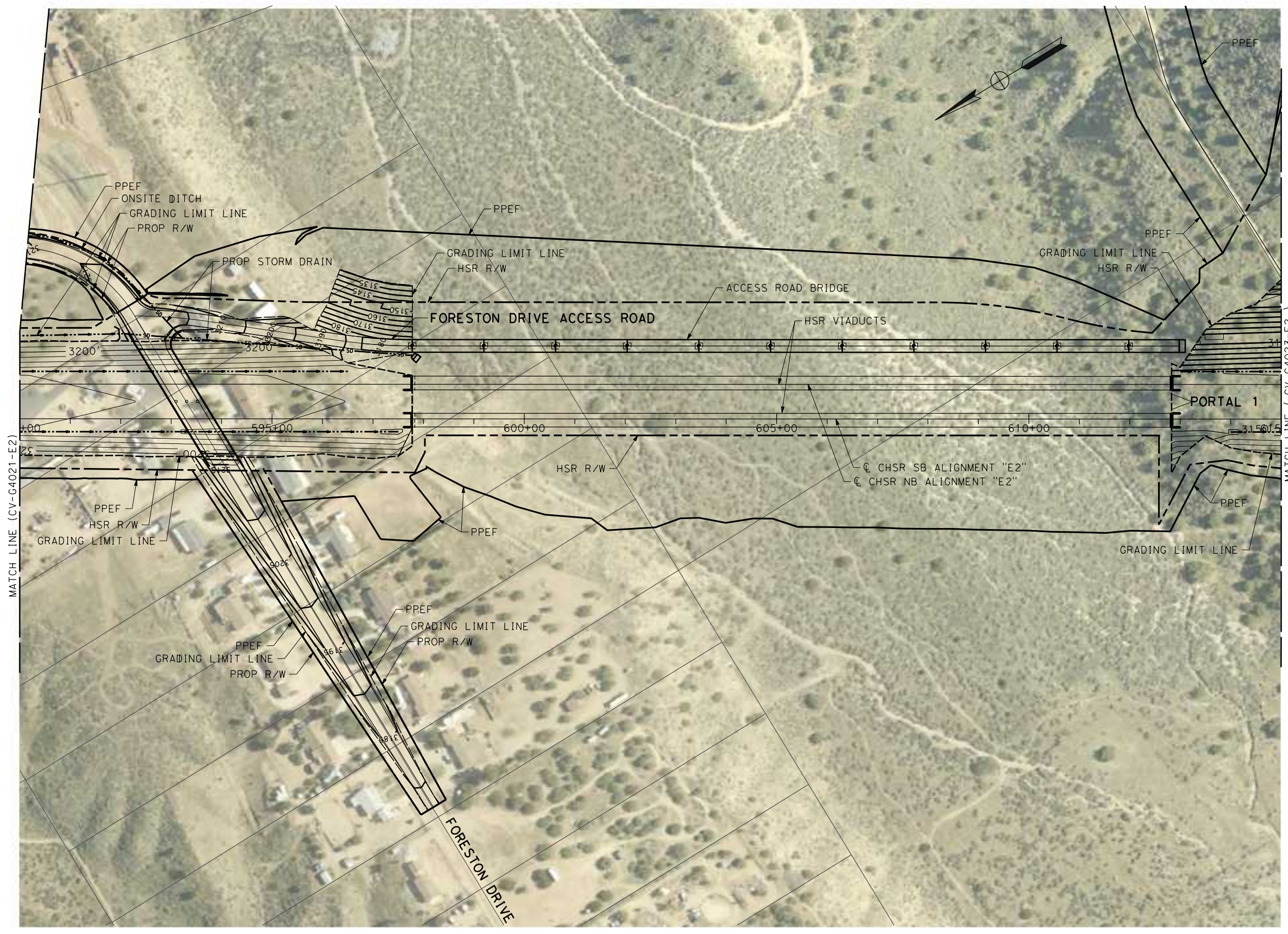
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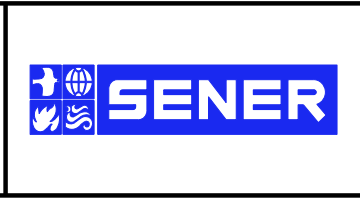
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

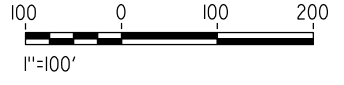
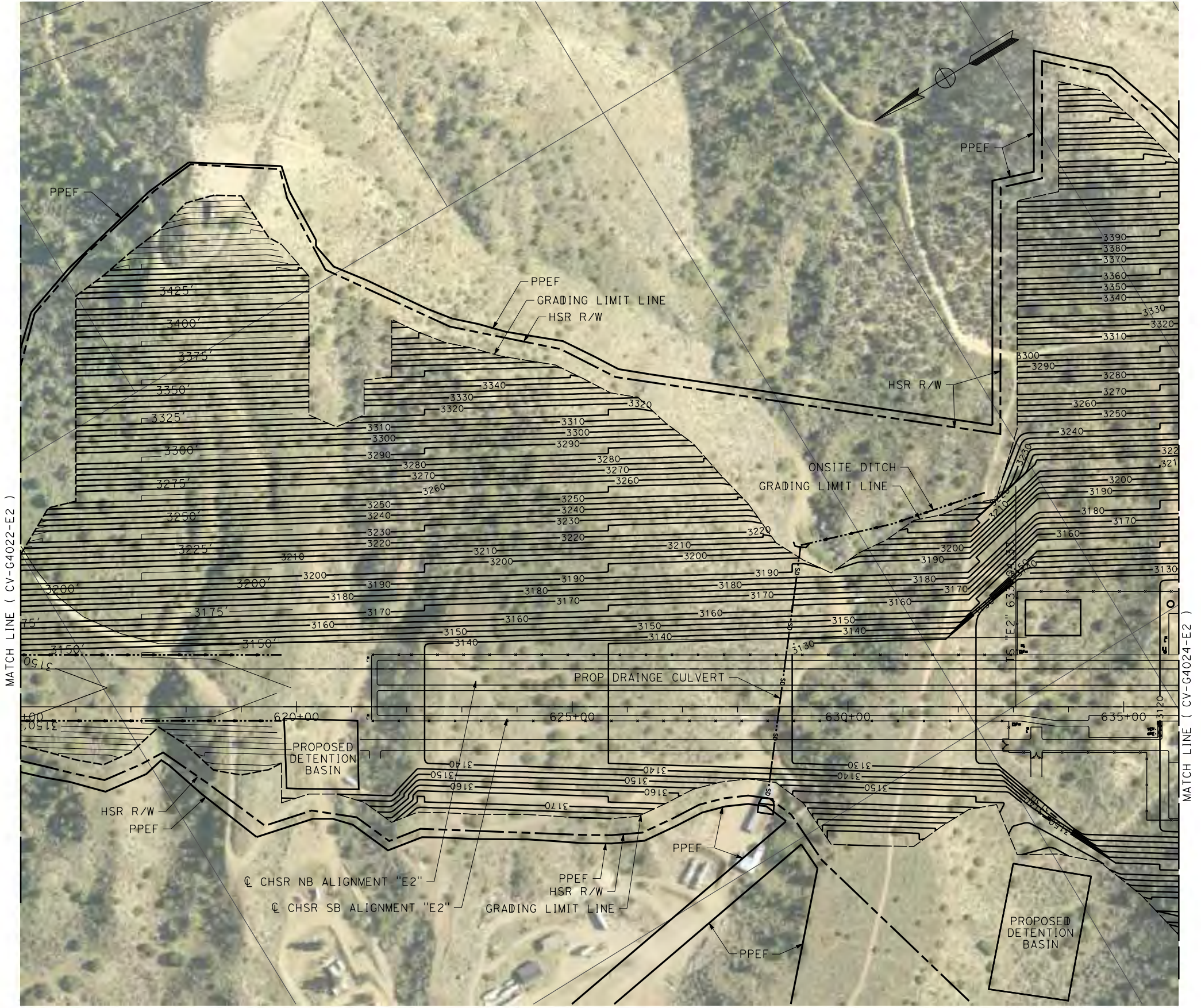
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4/20/2021 9:11:11 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "E2"**  
**GRADING AND DRAINAGE PLAN**

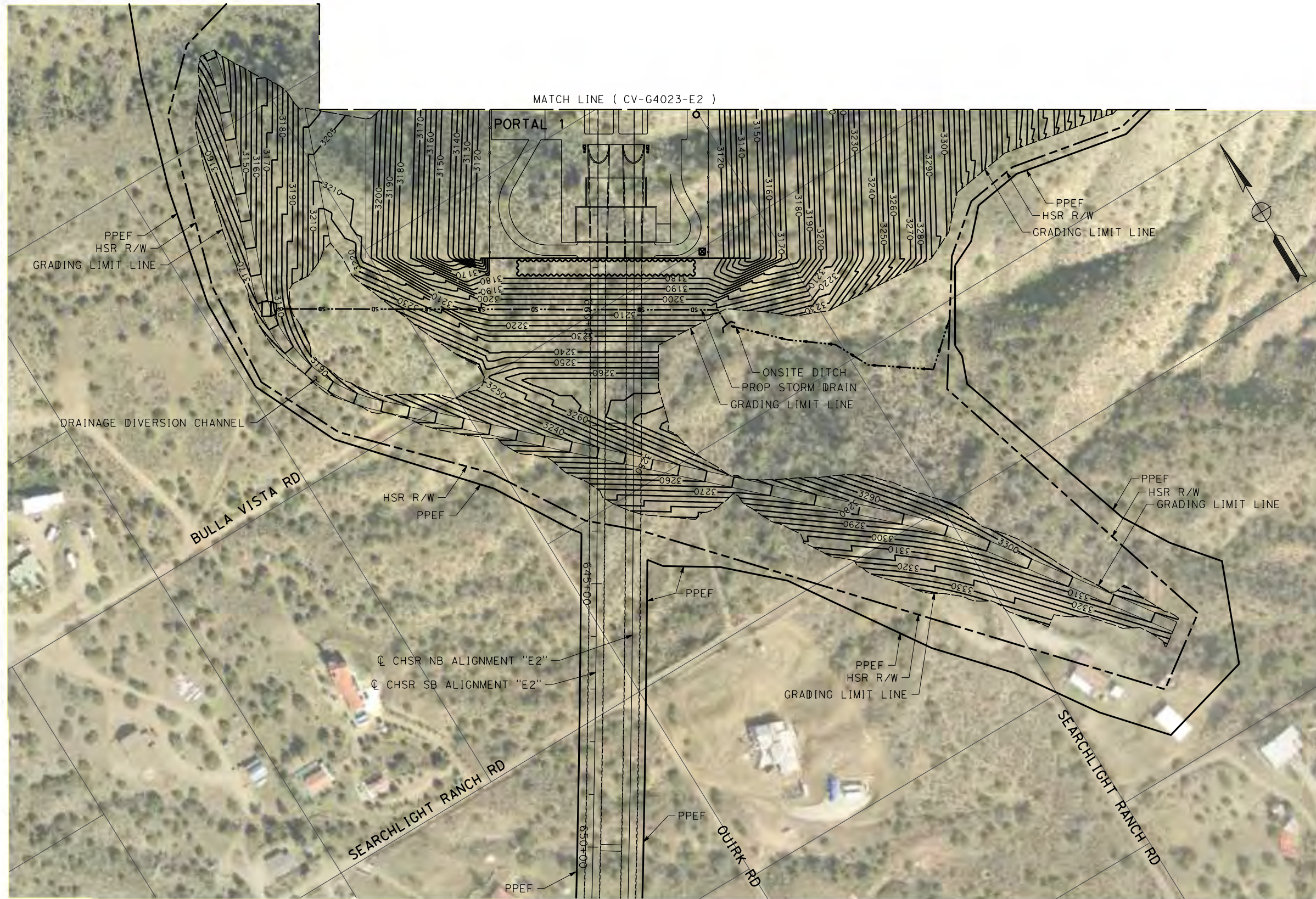
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4/20/2021 9:11:21 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET  
REV 02  
NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT  
PALMDALE TO BURBANK  
ALIGNMENT "E2"  
GRADING AND DRAINAGE PLAN**

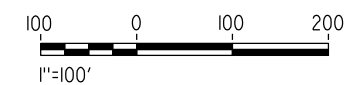
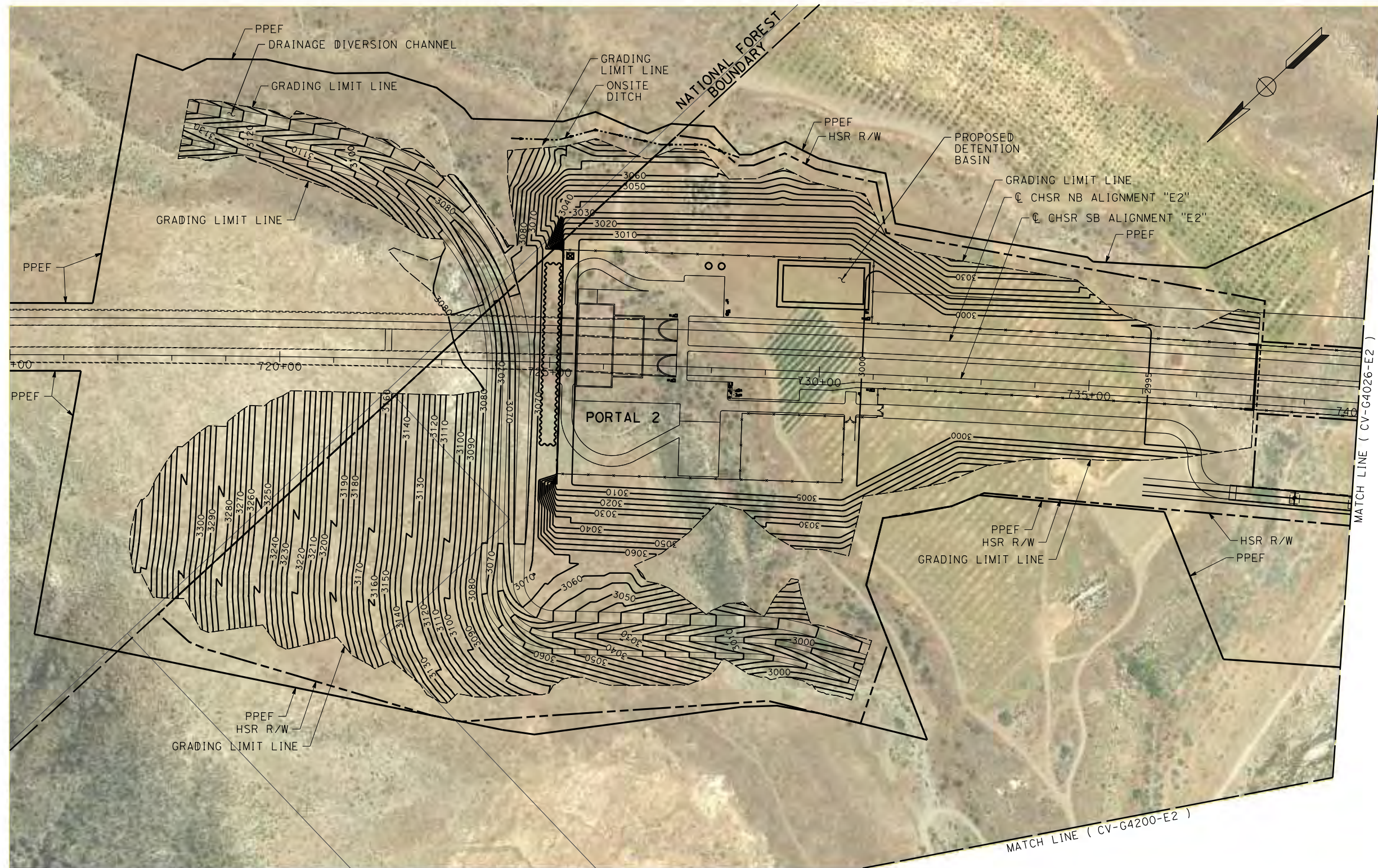
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SHEET NO.



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4/20/2021 9:11:32 AM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET  
REV 02**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"

GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**

DRAWING NO.  
**CV-G4025-E2**

SCALE  
**AS SHOWN**

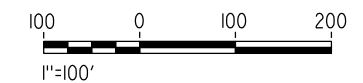
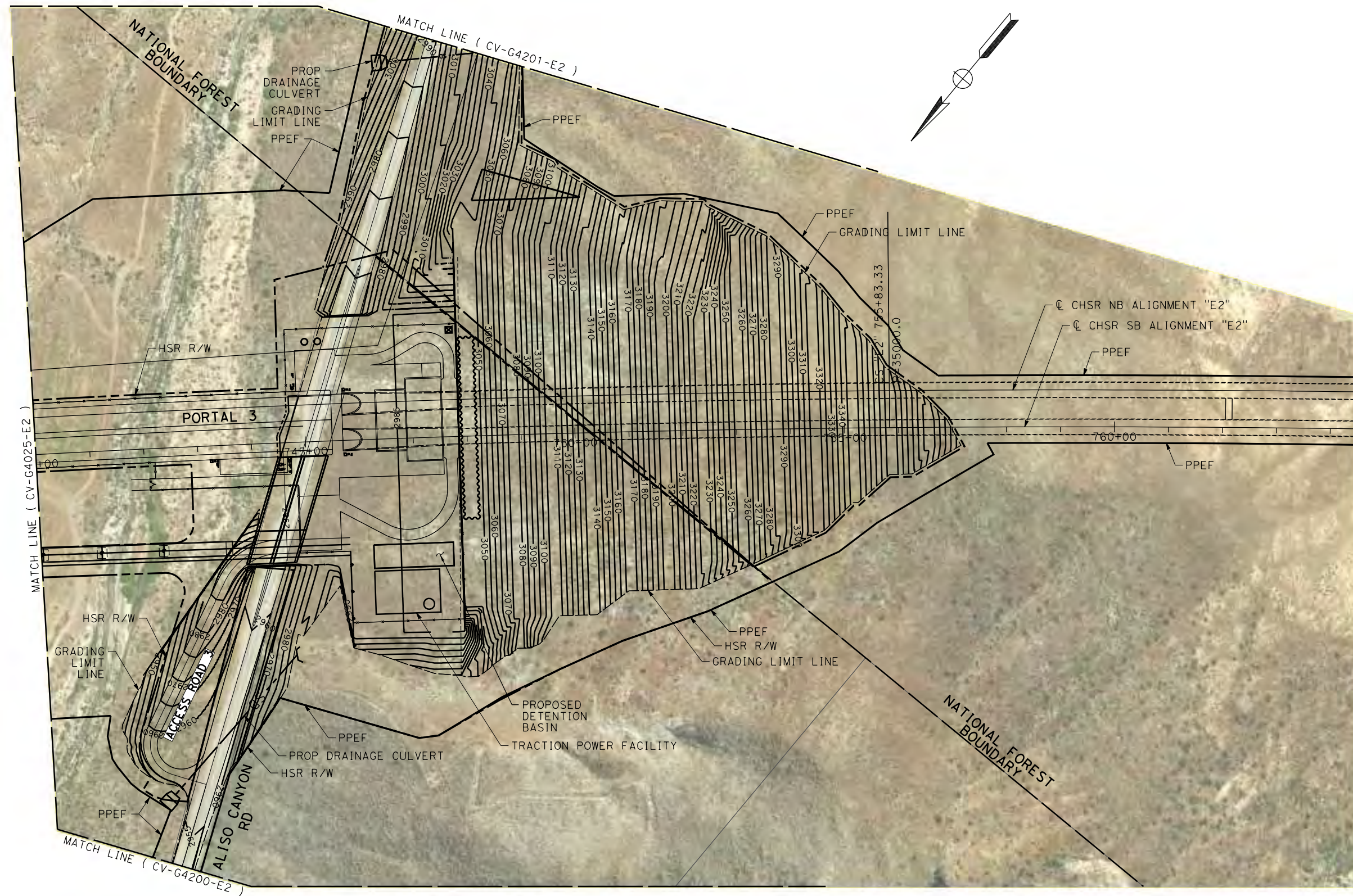
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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELANO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
**ALIGNMENT "E2"**  
  
GRADING AND DRAINAGE PLAN

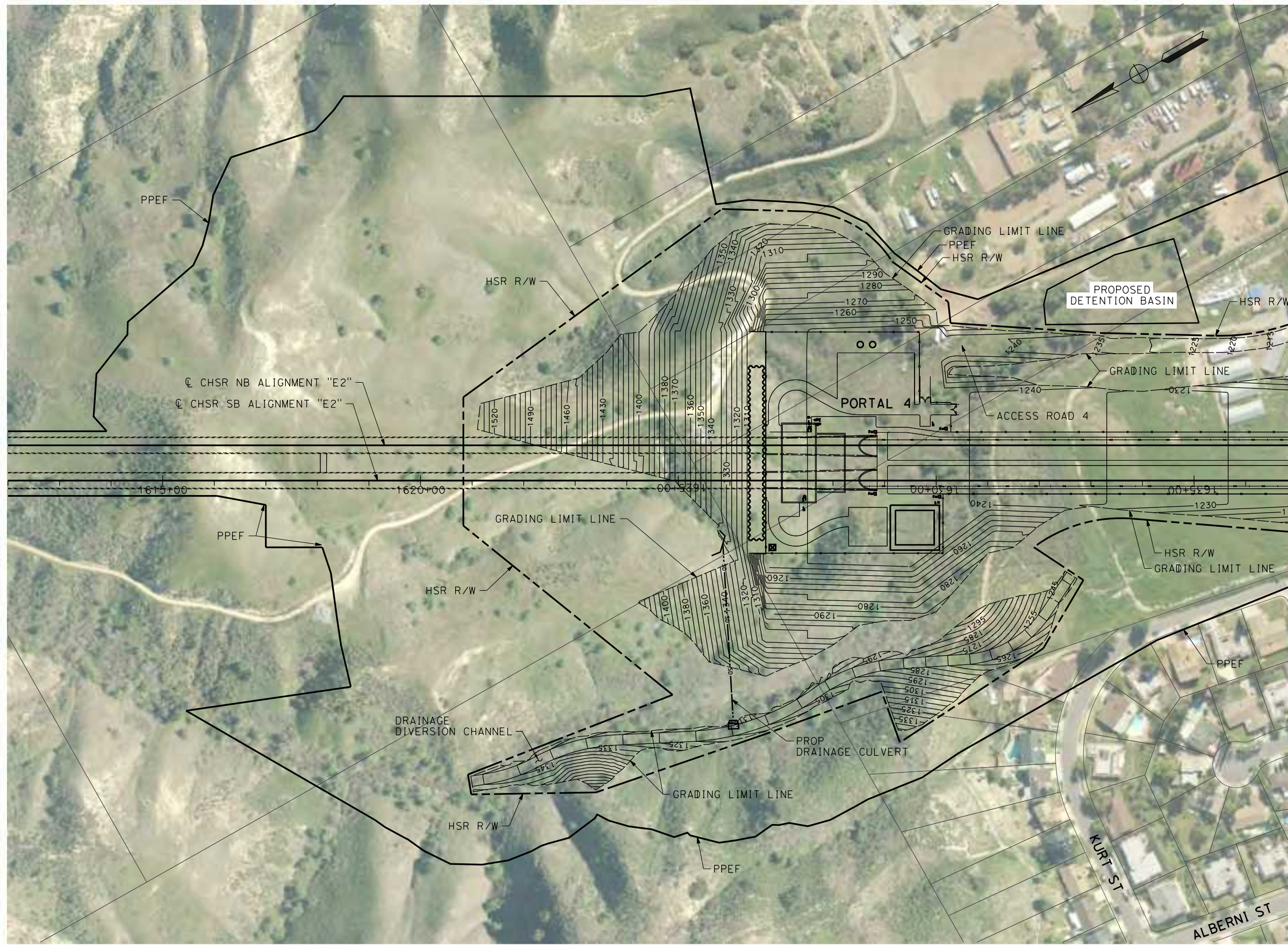
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SCALE  
**AS SHOWN**  
SHEET NO.



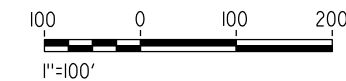
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4/22/2021 4:36:19 PM

0400074



MATCH LINE ( CV-G4028-E2 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
GRADING AND DRAINAGE PLAN

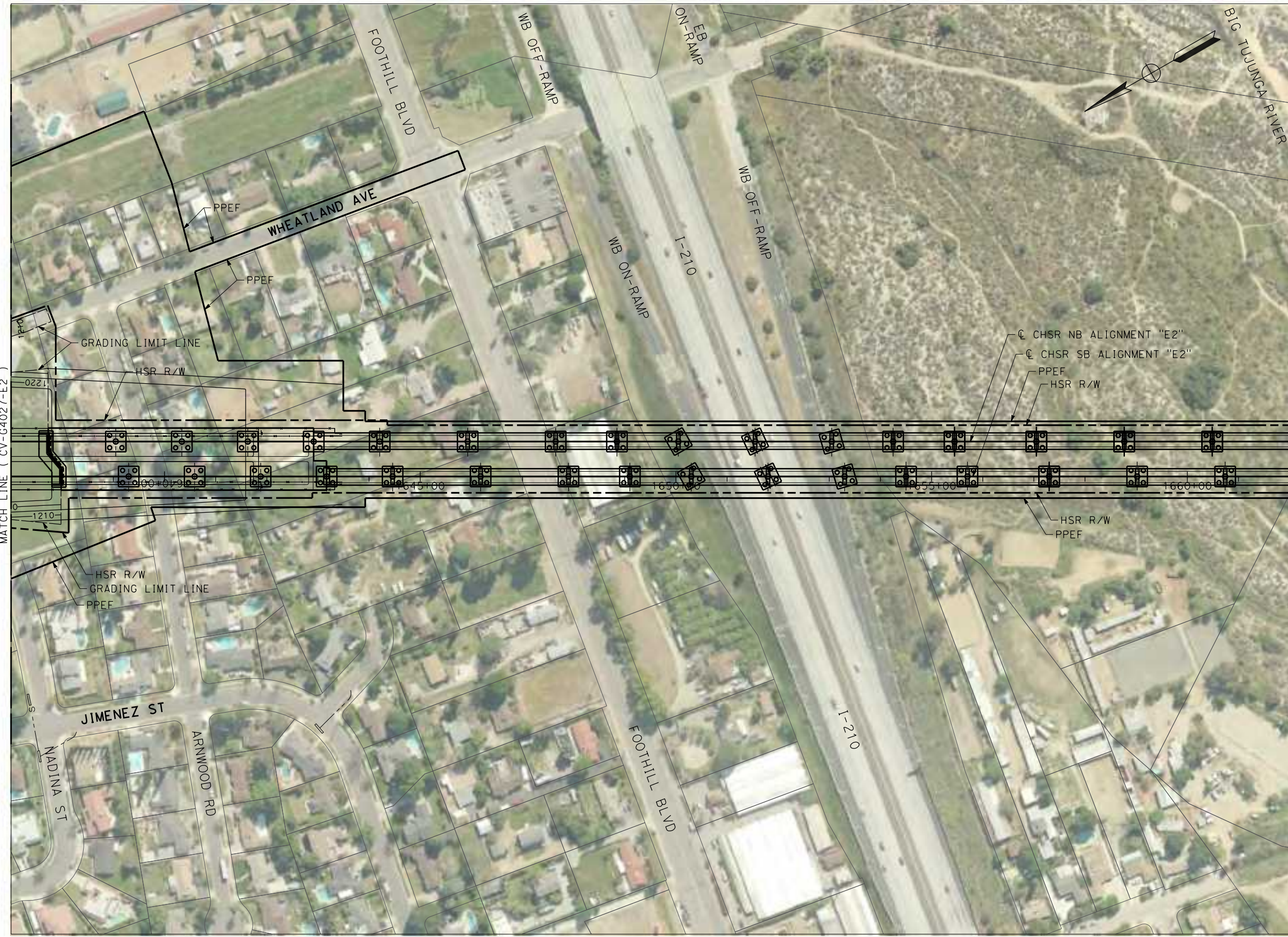
CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4027-E2**  
SCALE  
**AS SHOWN**  
SHEET NO.



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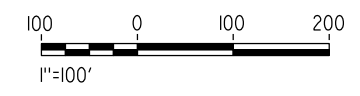
4/22/2021 4:36:30 PM

0400074



MATCH LINE ( CV-G4027-E2 )

MATCH LINE ( CV-G4029-E2 )



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

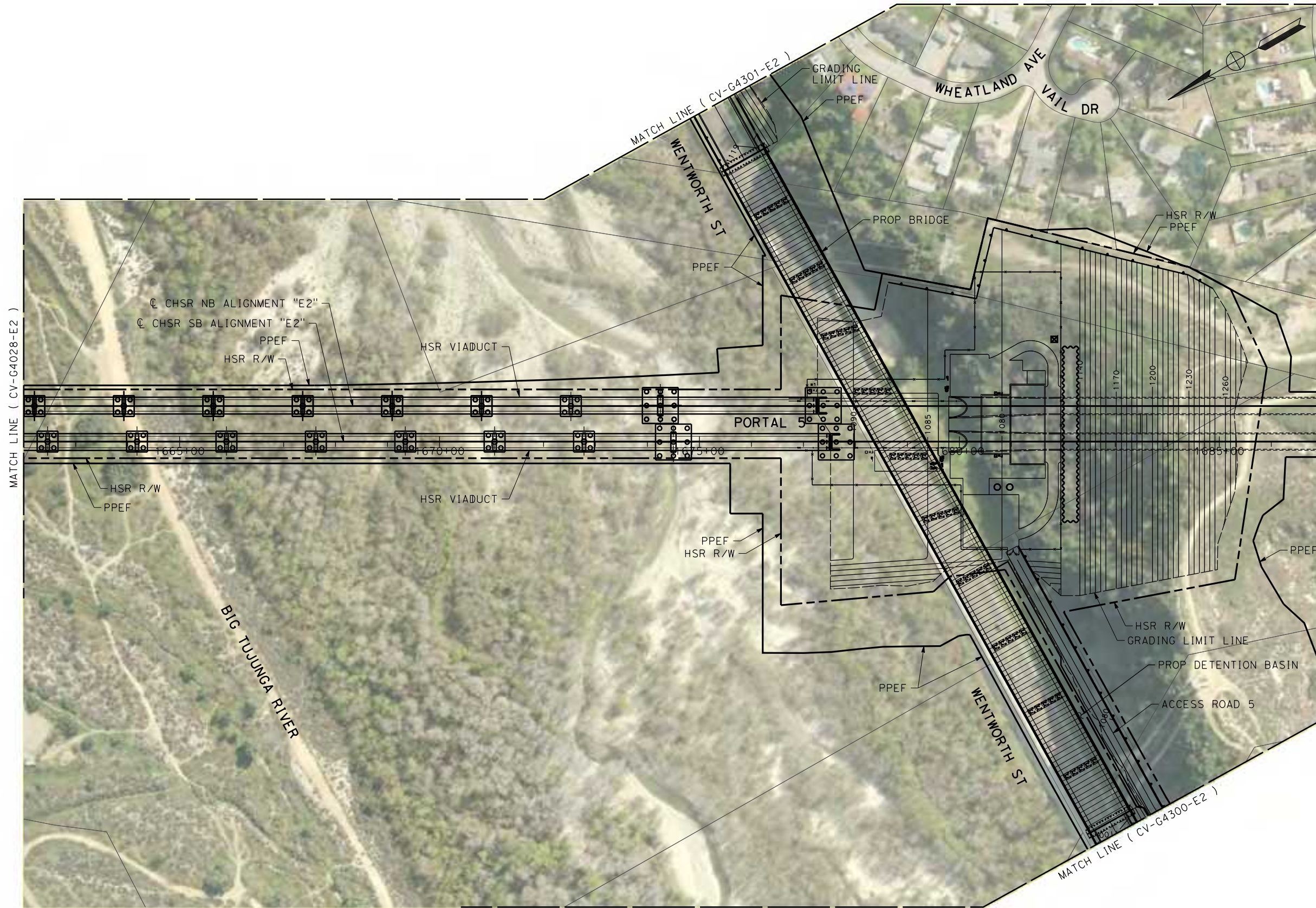
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**HSR14-42**  
DRAWING NO.  
**CV-G4028-E2**  
SCALE  
**AS SHOWN**  
SHEET NO.



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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4029-E2**  
SCALE  
**AS SHOWN**  
SHEET NO.





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0400074

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4105-E2**  
SCALE  
**AS SHOWN**  
SHEET NO.



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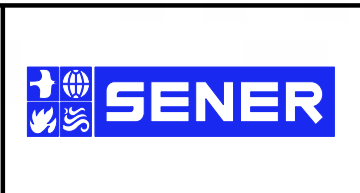
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4106-E2**  
SCALE  
**AS SHOWN**  
SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**

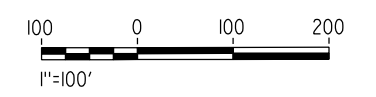
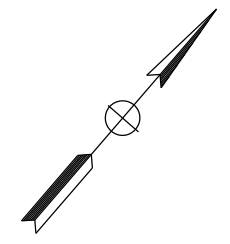
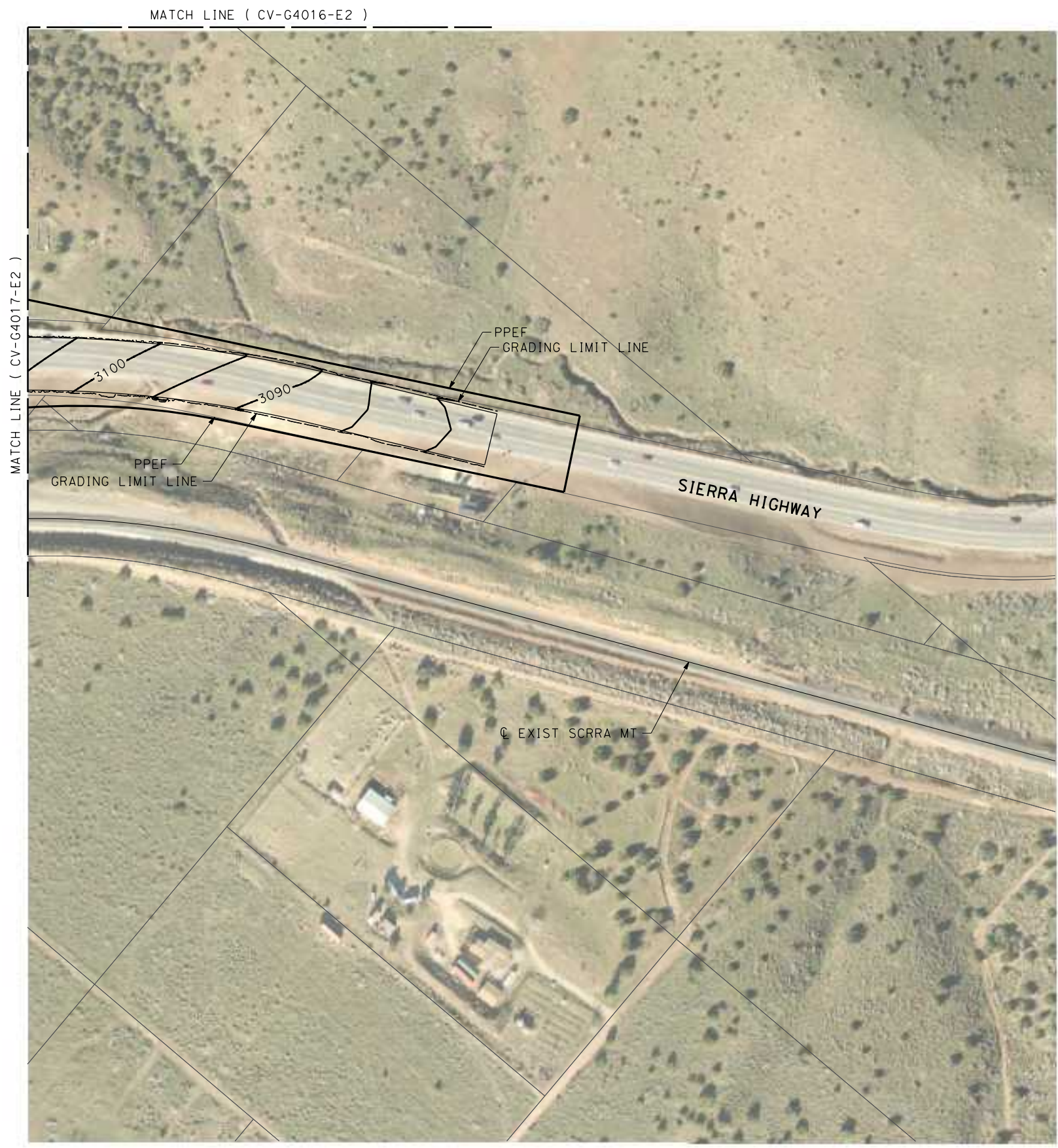


**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4107-E2**  
SCALE  
**AS SHOWN**  
SHEET NO.



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 0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
 DRAWN BY  
**JC. ALAMILLA**  
 CHECKED BY  
**R. RODRIGUEZ**  
 IN CHARGE  
**A. RELAÑO**  
 DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
**NOT FOR CONSTRUCTION**



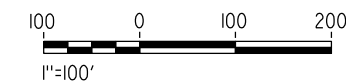
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**PALMDALE TO BURBANK**  
 ALIGNMENT "E2"  
 GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR-14-42**  
 DRAWING NO.  
**CV-G4108-E2**  
 SCALE  
**AS SHOWN**  
 SHEET NO.





MATCH LINE ( CV-G4021-E2 )



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4/22/2021 4:37:32 PM

0400074

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

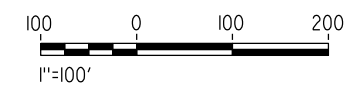
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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

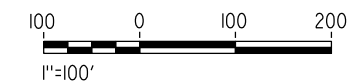
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DRAWING NO.  
**CV-G4200-E2**  
SCALE  
**AS SHOWN**  
SHEET NO.



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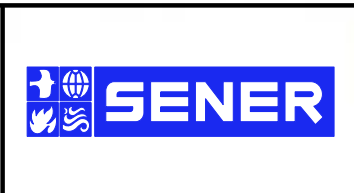
0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

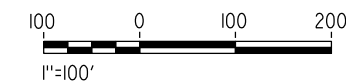
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DRAWING NO.  
**CV-G4201-E2**  
SCALE  
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SHEET NO.



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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4300-E2**  
SCALE  
**AS SHOWN**  
SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC ALAMILLA**  
DRAWN BY  
**JC ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET  
REV02**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
GRADING AND DRAINAGE PLAN

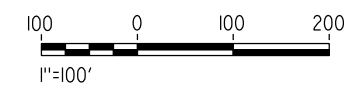
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SHEET NO.



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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**JC. ALAMILLA**  
DRAWN BY  
**JC. ALAMILLA**  
CHECKED BY  
**R. RODRIGUEZ**  
IN CHARGE  
**A. RELAÑO**  
DATE  
**04/30/2021**

**PEPD RECORD SET**  
**REV 02**  
  
**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT**  
**PALMDALE TO BURBANK**  
ALIGNMENT "E2"  
  
GRADING AND DRAINAGE PLAN

CONTRACT NO.  
**HSR14-42**  
DRAWING NO.  
**CV-G4302-E2**  
SCALE  
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SHEET NO.