

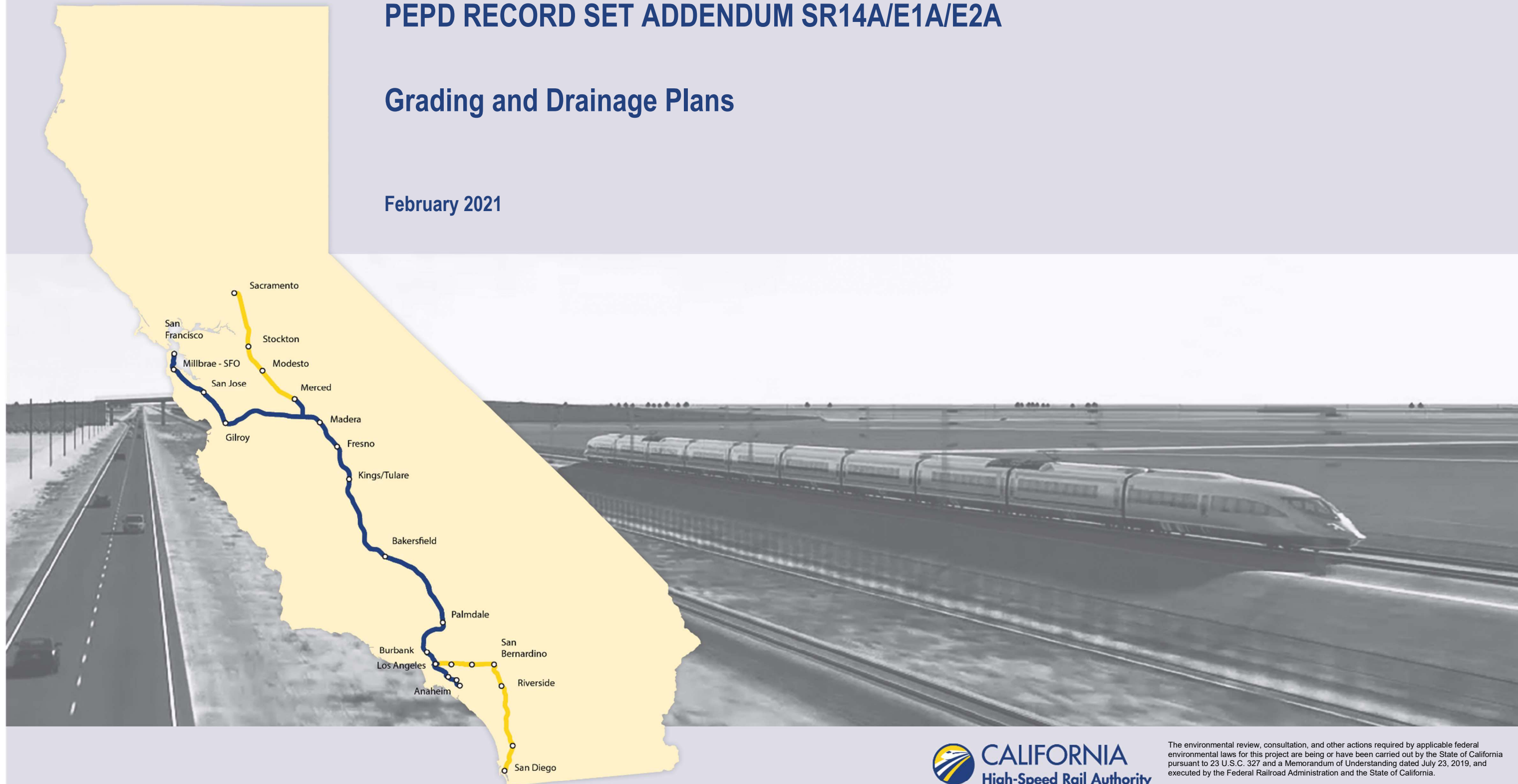
California High-Speed Rail Authority

Palmdale to Burbank Project Section

PEPD RECORD SET ADDENDUM SR14A/E1A/E2A

Grading and Drainage Plans

February 2021



GRADING AND DRAINAGE SHEETS

GENERAL

DRAWING NO.	DRAWING DESCRIPTION
CV-B0002	GRADING AND DRAINAGE PLAN - INDEX OF DRAWINGS
CV-B0005	GRADING AND DRAINAGE PLAN - ABBREVIATIONS
CV-B0007	GRADING AND DRAINAGE PLAN - ABBREVIATIONS AND LEGEND

SR14A ALIGNMENT

DRAWING NO.	DRAWING DESCRIPTION
CV-B0002-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN - KEY MAP
CV-G4001-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4002-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4003-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4004-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4005-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4006-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4007-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4008-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4009-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4010A-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4010-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4011-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4012-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4013-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4014-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4015-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4016-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4017-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4018-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4019-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4021-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN
CV-G4022-14A	ALIGNMENT "SR14A" - GRADING AND DRAINAGE PLAN

E1A/E2A ALIGNMENT

DRAWING NO.	DRAWING DESCRIPTION
CV-B0003-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN - KEY MAP
CV-G4001-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4002-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4003-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4004-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4005-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4006-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4007-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4008-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4009-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4010-EA	NOT USED
CV-G4011-EA	NOT USED
CV-G4012-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4013-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4014-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4015-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4021-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4022-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4023-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN
CV-G4024-EA	ALIGNMENT "E1A/E2A" - GRADING AND DRAINAGE PLAN

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REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE
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DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



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

ALIGNMENTS "SR14A/E1A/E2A"
GRADING AND DRAINAGE PLAN
INDEX OF DRAWINGS

CONTRACT NO.
HSR14-42

DRAWING NO.
CV-B0002

SCALE
NO SCALE

SHEET NO.

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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
FNB FACING NORTHBOUND TRAFFIC
FC 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

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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 DATE
02/26/2021

PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A

NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 ALIGNMENTS "SR14A/E1A/E2A"
 GRADING AND DRAINAGE PLAN
 ABBREVIATIONS

CONTRACT NO.
HSR14-42
 DRAWING NO.
CV-B0005
 SCALE
NO SCALE
 SHEET NO.

S CONTINUED

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

W CONTINUED

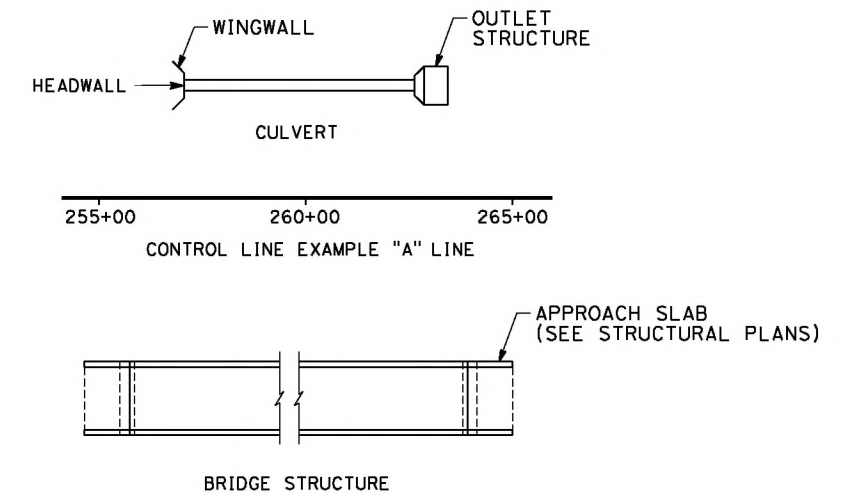
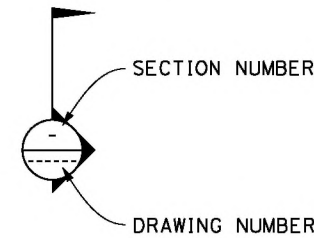
W/	WITH
	X
X SEC XING	CROSS SECTION CROSSING
	Y
YR	YEAR
YRS	YEARS

GENERAL NOTES

- 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.
- STA 296+82.67 (SPRUCE CT) IS THE NORTHERN LIMIT OF THE PALMDALE - BURBANK ENVIRONMENTAL DOCUMENT. NORTH OF THIS POINT REFER TO BAKERSFIELD-PALMDALE ENVIRONMENTAL DOCUMENT. DESIGN FEATURURES BETWEEN STA 265+00.00 AND 296+82.67 (SPRUCE CT) SHOWN FOR REFERENCE ONLY.

LEGEND

- SD --- PROPOSED STORM DRAIN
- sd --- EXISTING STORM DRAIN
- >--- DIRECTION OF FLOW
- --- PROPOSED RIGHT OF WAY
- --- EXISTING RIGHT OF WAY
- ▲--- RETAINING WALL
- --- FILL
- --- CUT
- NOISE BARRIER (POTENTIAL)
- OG / ORIGINAL GROUND
- ▣ REMOVE BASE & SURFACING
- ⊙ POINT OF MINIMUM VERTICAL CLEARANCE
- ▽ WATER SURFACE
- ▽* ESTIMATED 100-YEAR FLOOD ELEVATION
- ⊠ EXISTING HIGH VOLTAGE TOWER



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. DIMARIO
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DATE 02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

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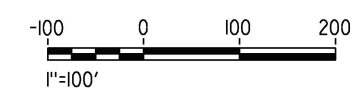
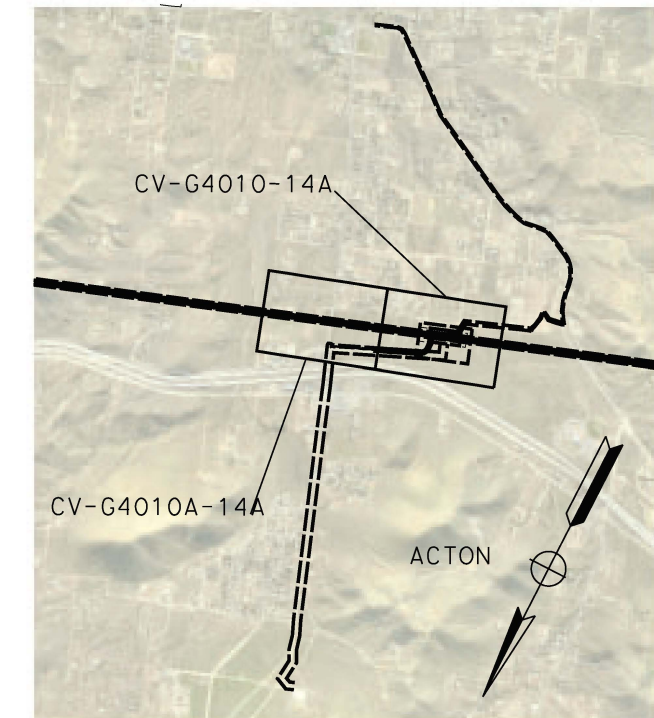
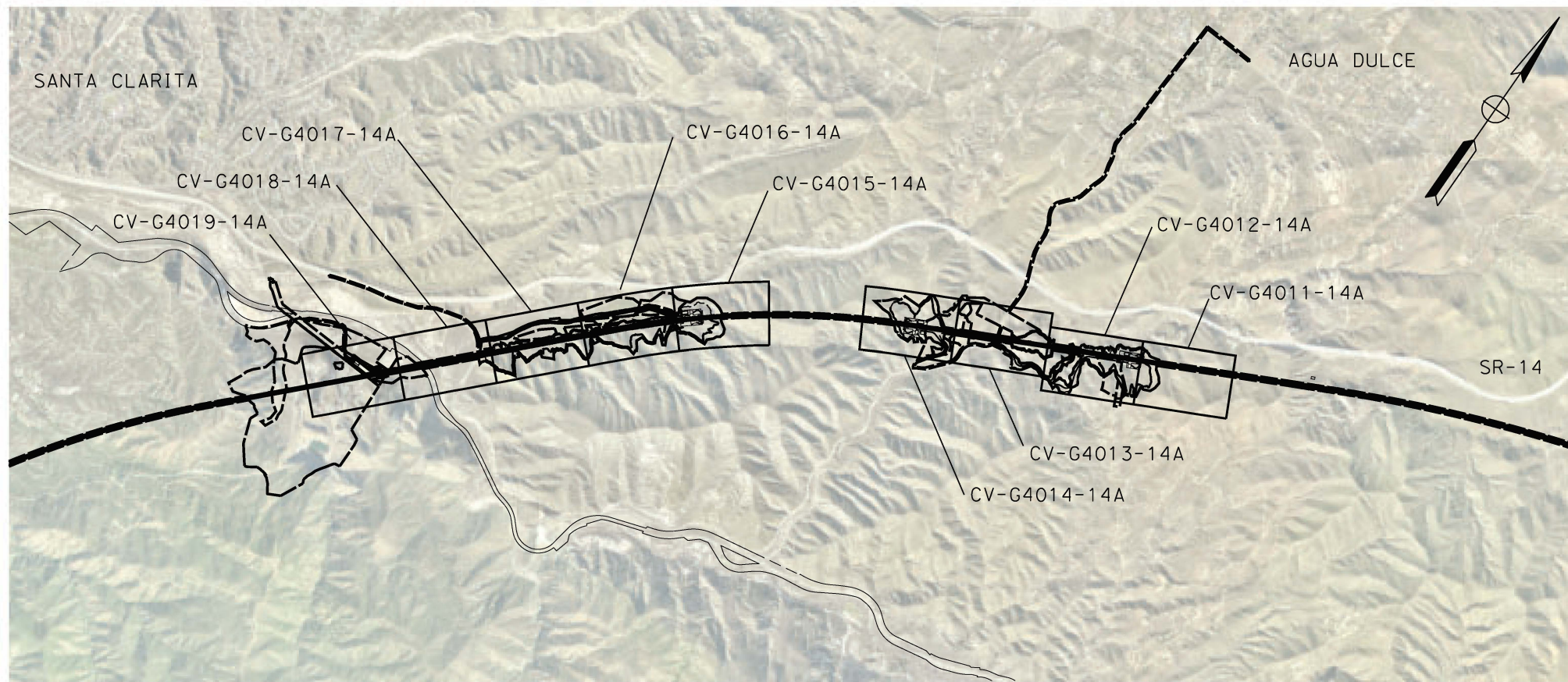
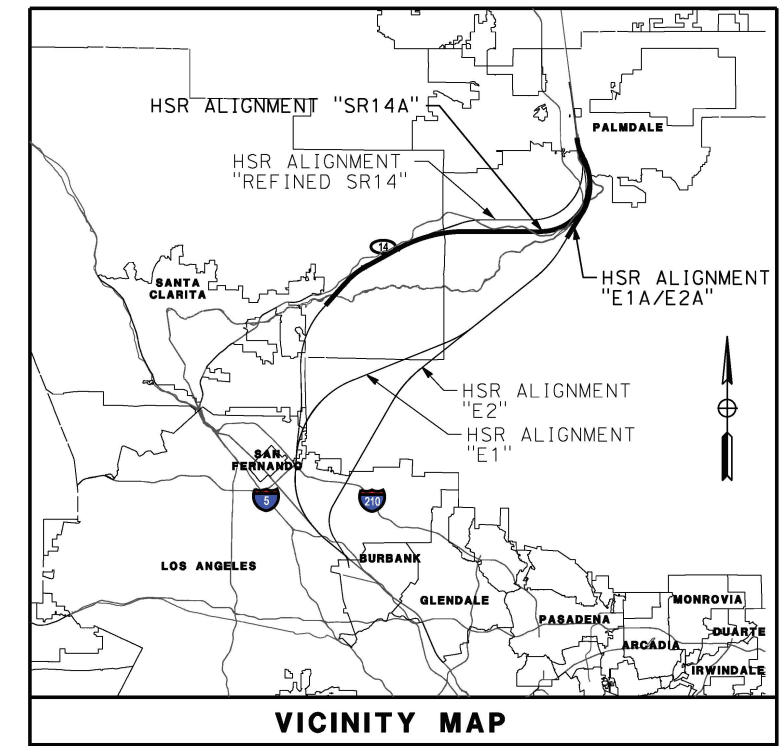
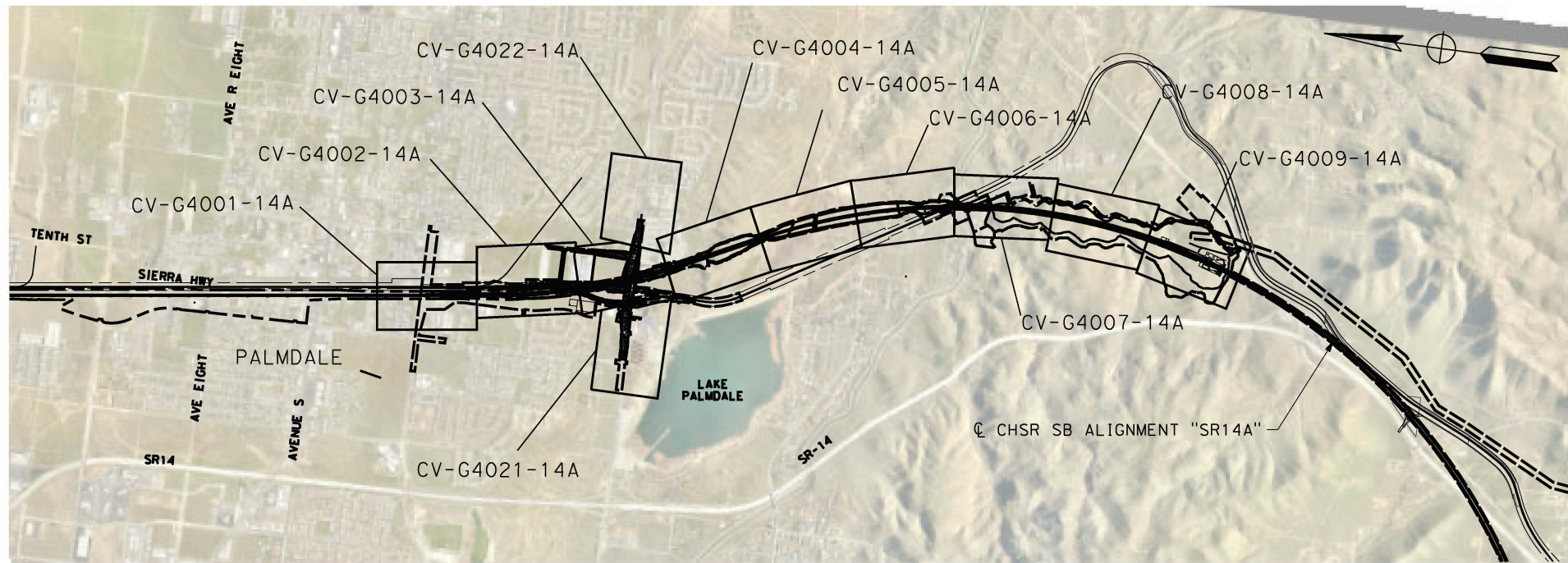


**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**

ALIGNMENTS "SR14A/E1A/E2A"
GRADING AND DRAINAGE PLAN
ABBREVIATIONS AND LEGEND

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

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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "SR14A"
GRADING AND DRAINAGE PLAN
KEY MAP

CONTRACT NO.
HSR14-42

DRAWING NO.
CV-B0002-14A

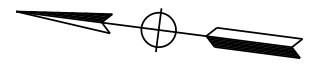
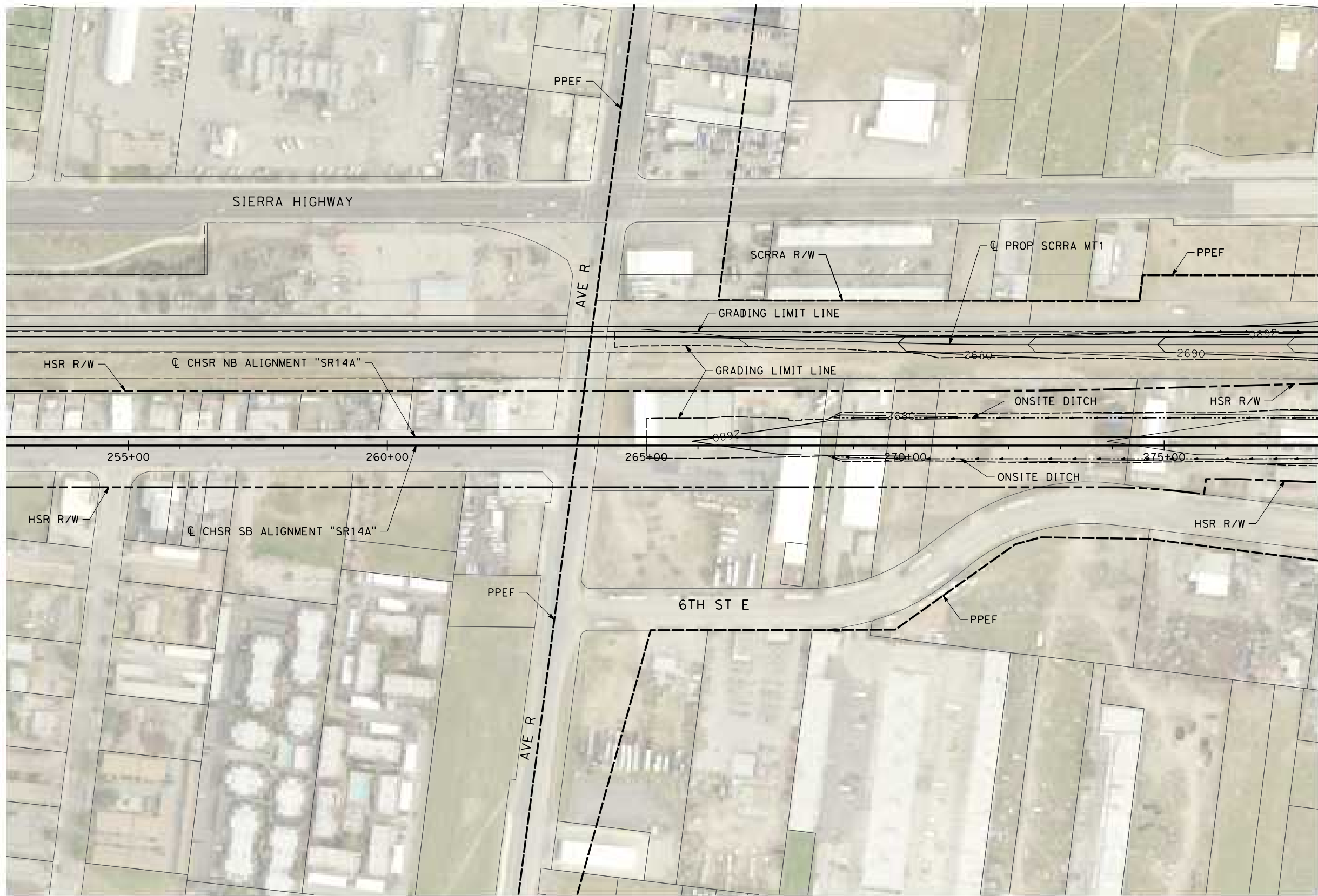
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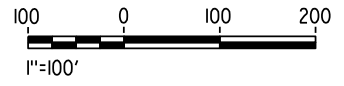
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MATCH LINE (CV-G4002-14A)



REV	DATE	BY	CHK	APP	DESCRIPTION

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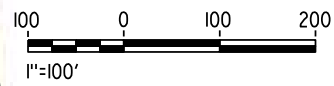
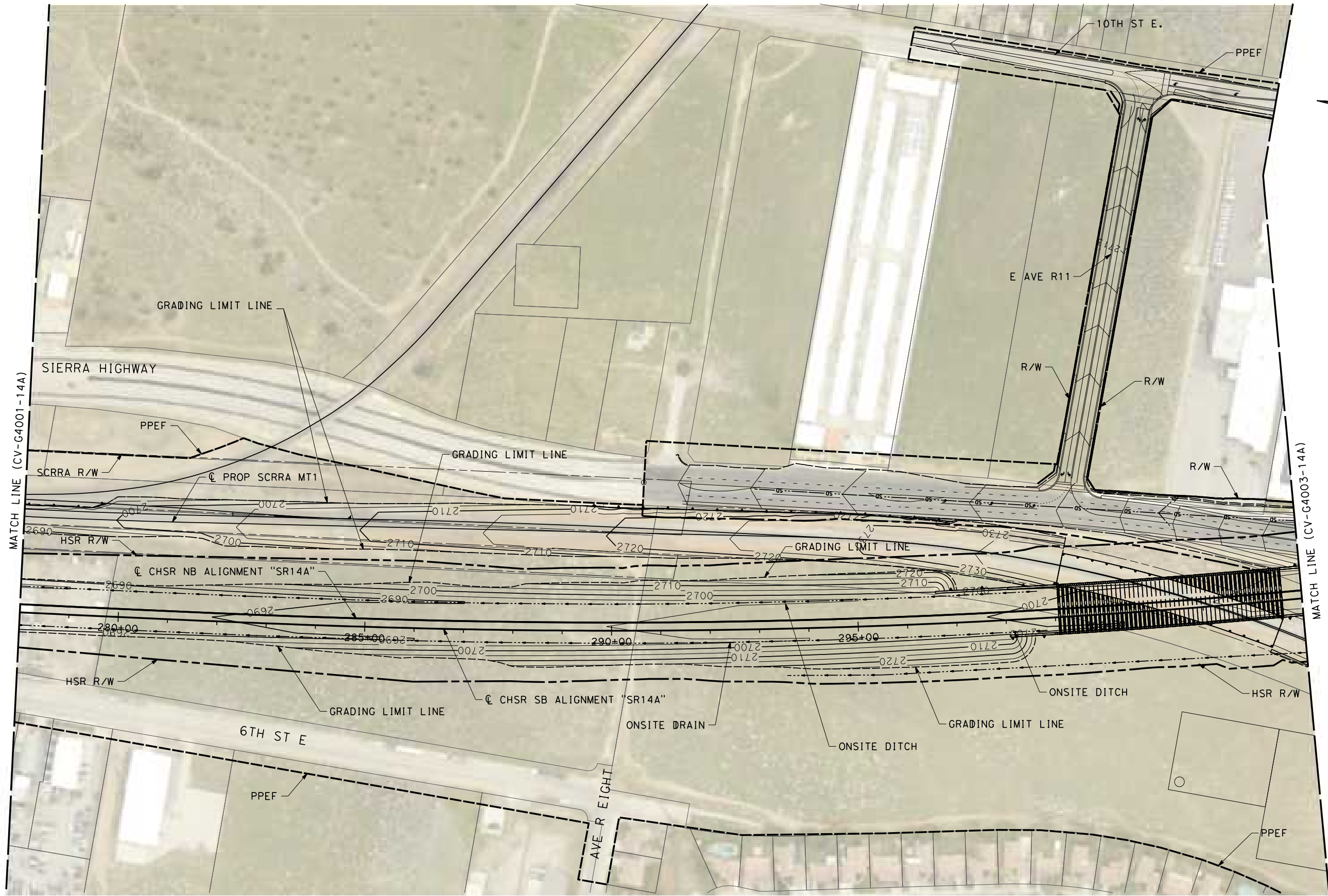
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "SR14A"
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
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CV-G4001-14A
SCALE
AS SHOWN
SHEET NO.

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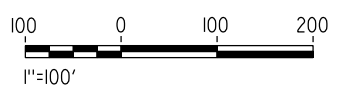
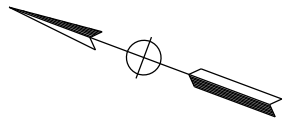
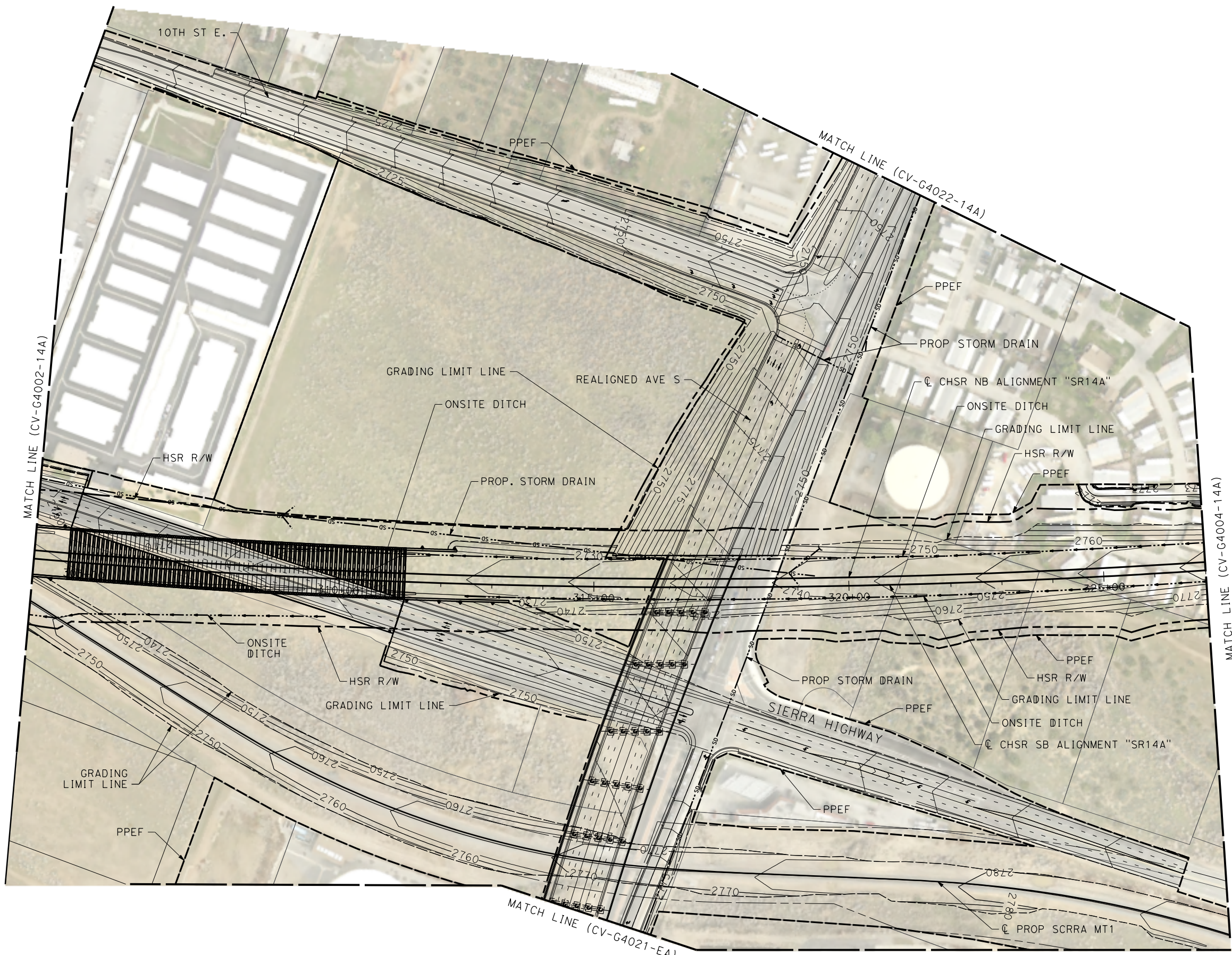
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "SR14A"
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
CV-G4002-14A
SCALE
AS SHOWN
SHEET NO.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
 DRAWN BY
F. VASQUEZ
 CHECKED BY
R. RODRIGUEZ
 IN CHARGE
A. RELANO
 DATE
02/26/2021

**PEPD RECORD SET
 ADDENDUM
 SR14A/E1A/E2A**

**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 PALMDALE TO BURBANK
 ALIGNMENT "SR14A"
 GRADING AND DRAINAGE PLAN**

CONTRACT NO.
HSR14-42

DRAWING NO.
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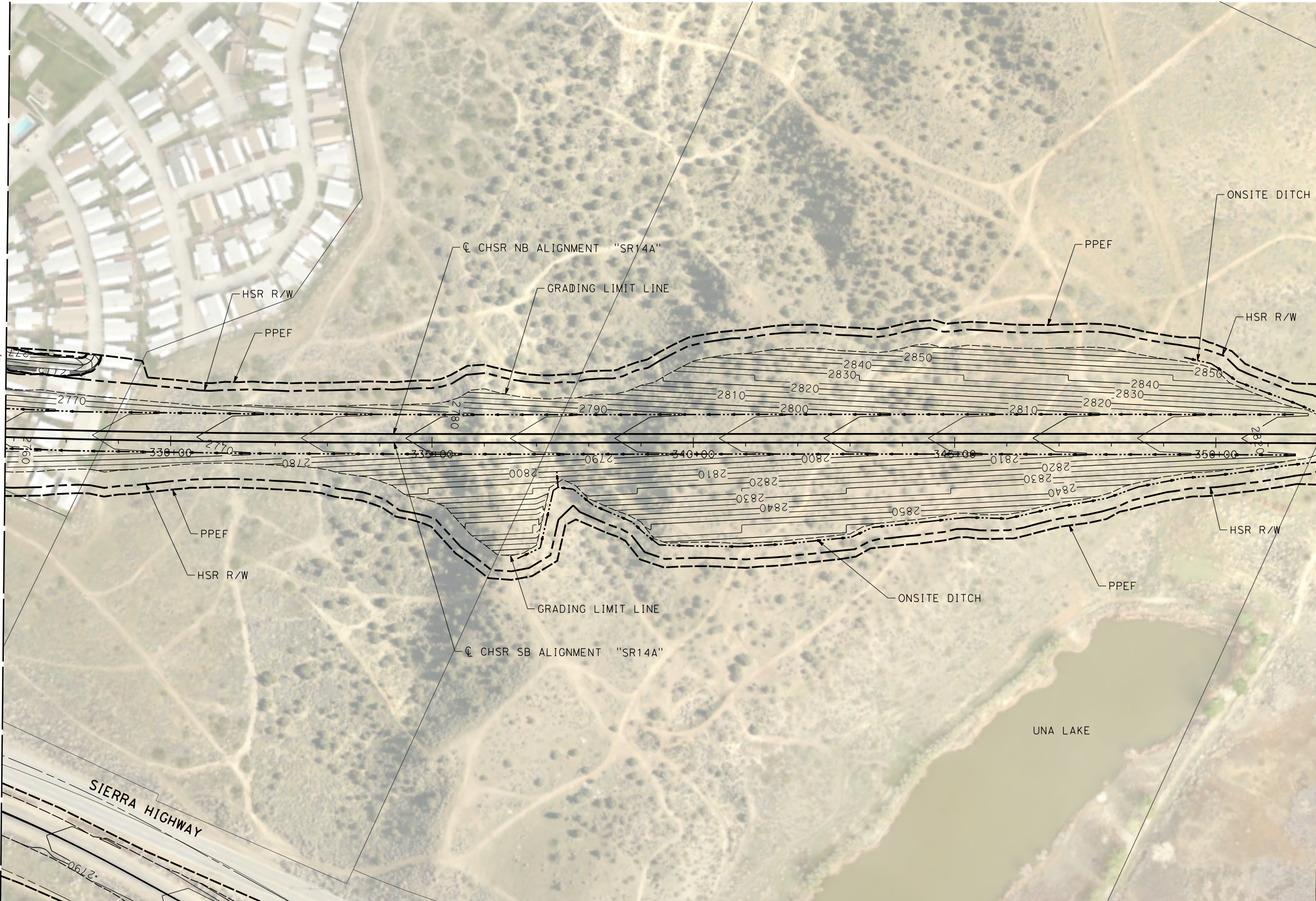
SCALE
AS SHOWN

SHEET NO.

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0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "SR14A"**

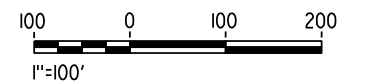
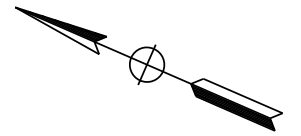
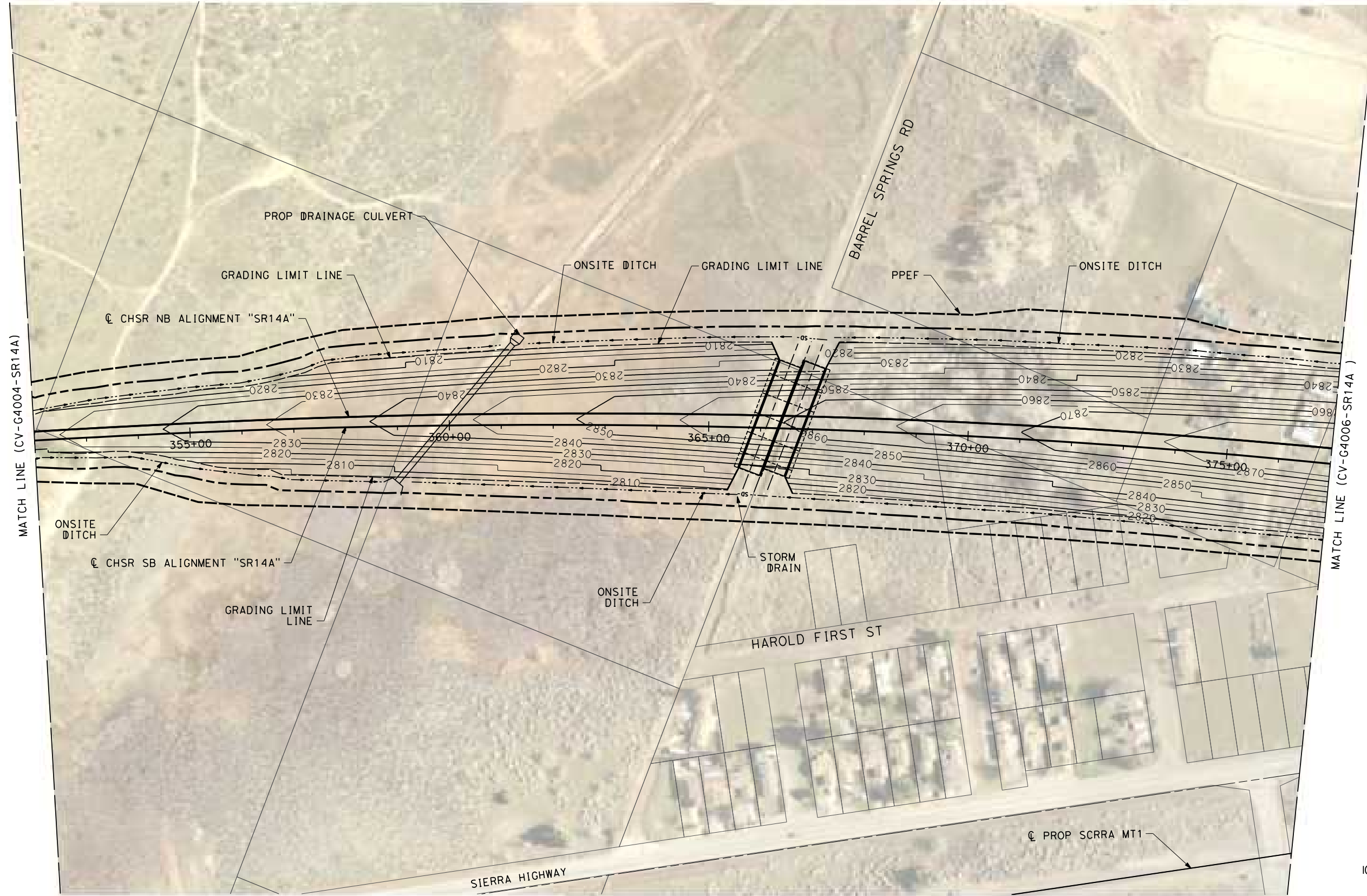
GRADING AND DRAINAGE PLAN

CONTRACT NO.
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DRAWING NO.
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AS SHOWN
SHEET NO.

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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

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CONSTRUCTION**



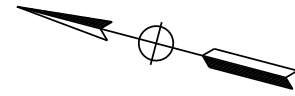
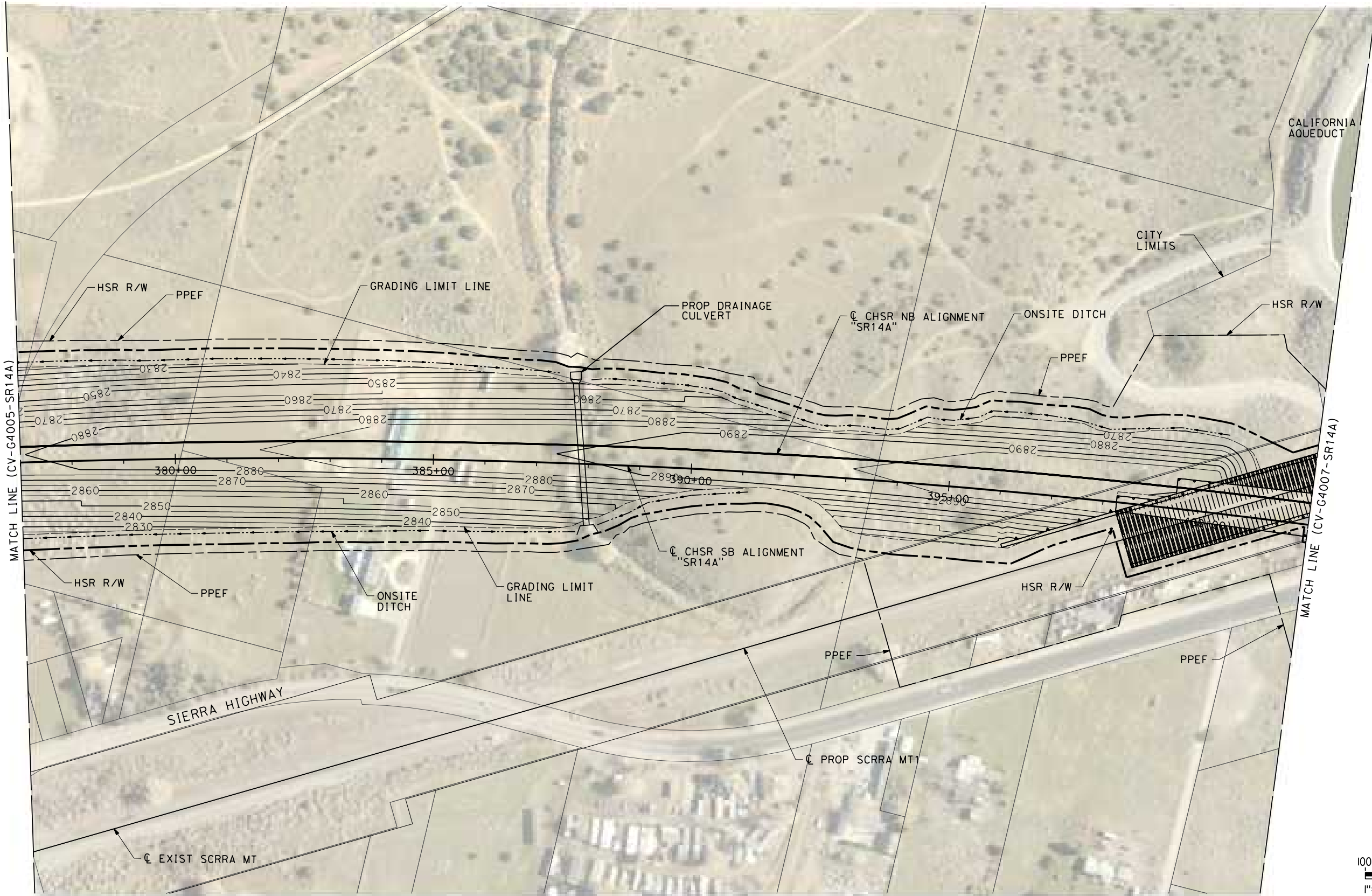
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "SR14A"
GRADING AND DRAINAGE PLAN

CONTRACT NO.
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DRAWING NO.
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SCALE
AS SHOWN
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3/9/2021 4:59:18 PM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
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DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "SR14A"

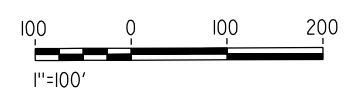
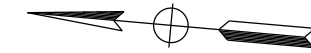
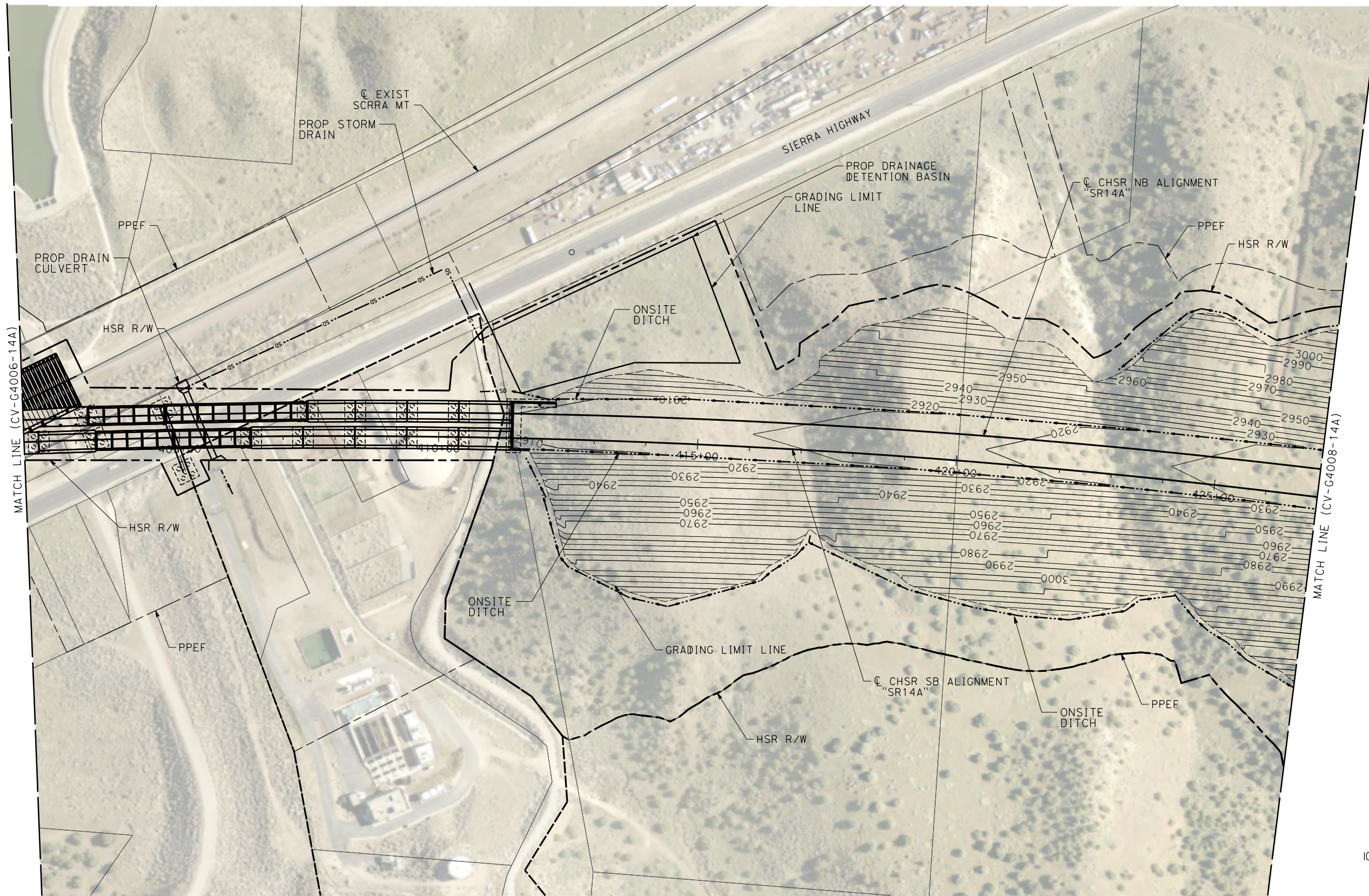
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
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0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO

DRAWN BY
F. VASQUEZ

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R. RODRIGUEZ

IN CHARGE
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DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "SR14A"**

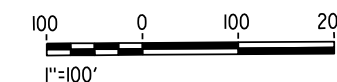
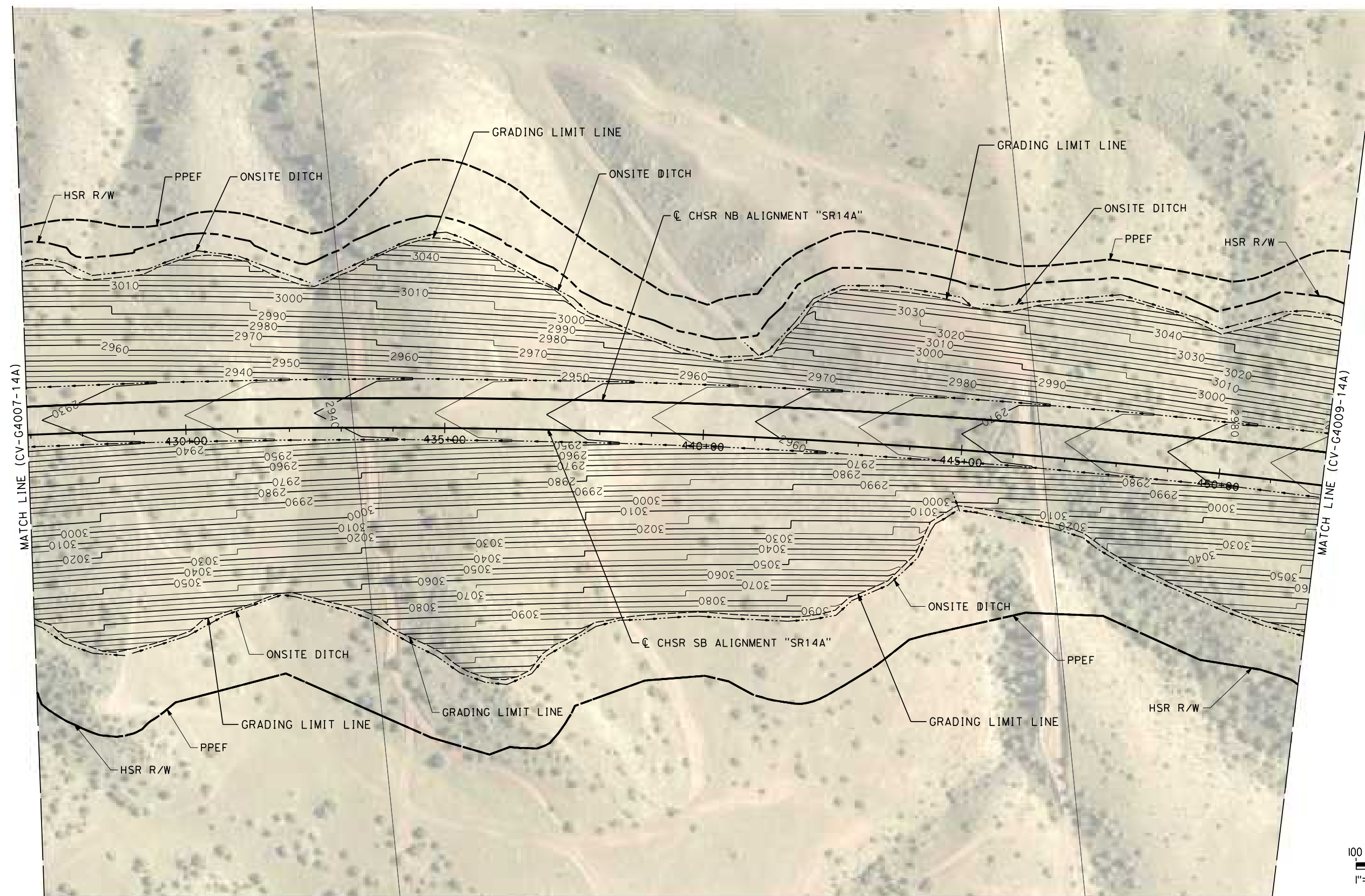
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
CV-G4007-14A

SCALE
AS SHOWN

SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
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R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

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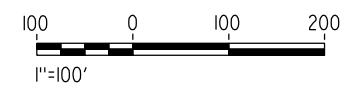
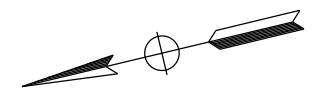
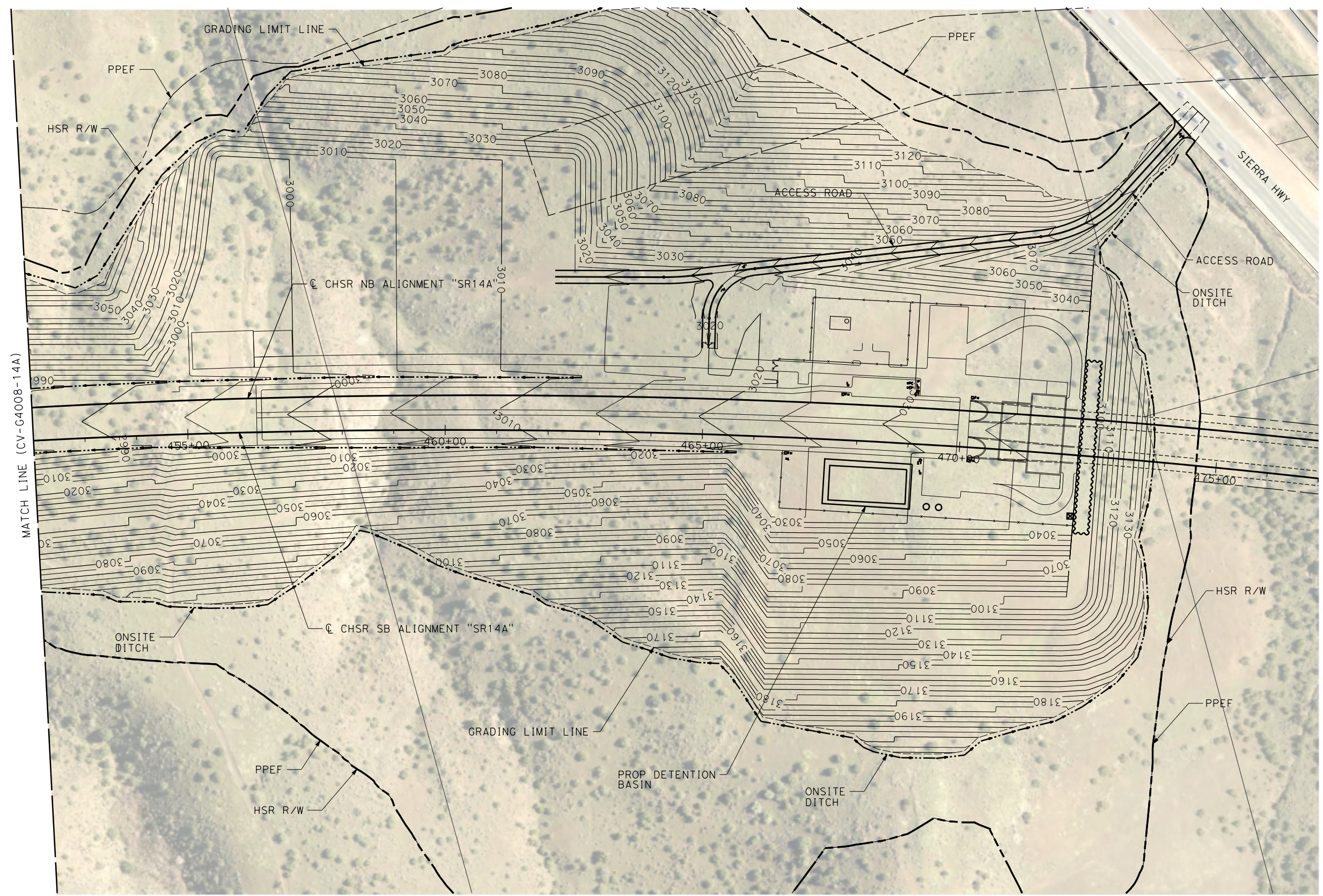
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**

ALIGNMENT "SR14A"

GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
CV-G4008-14A
SCALE
AS SHOWN
SHEET NO.

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 0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
 DRAWN BY
F. VASQUEZ
 CHECKED BY
R. RODRIGUEZ
 IN CHARGE
A. RELANO
 DATE
02/26/2021

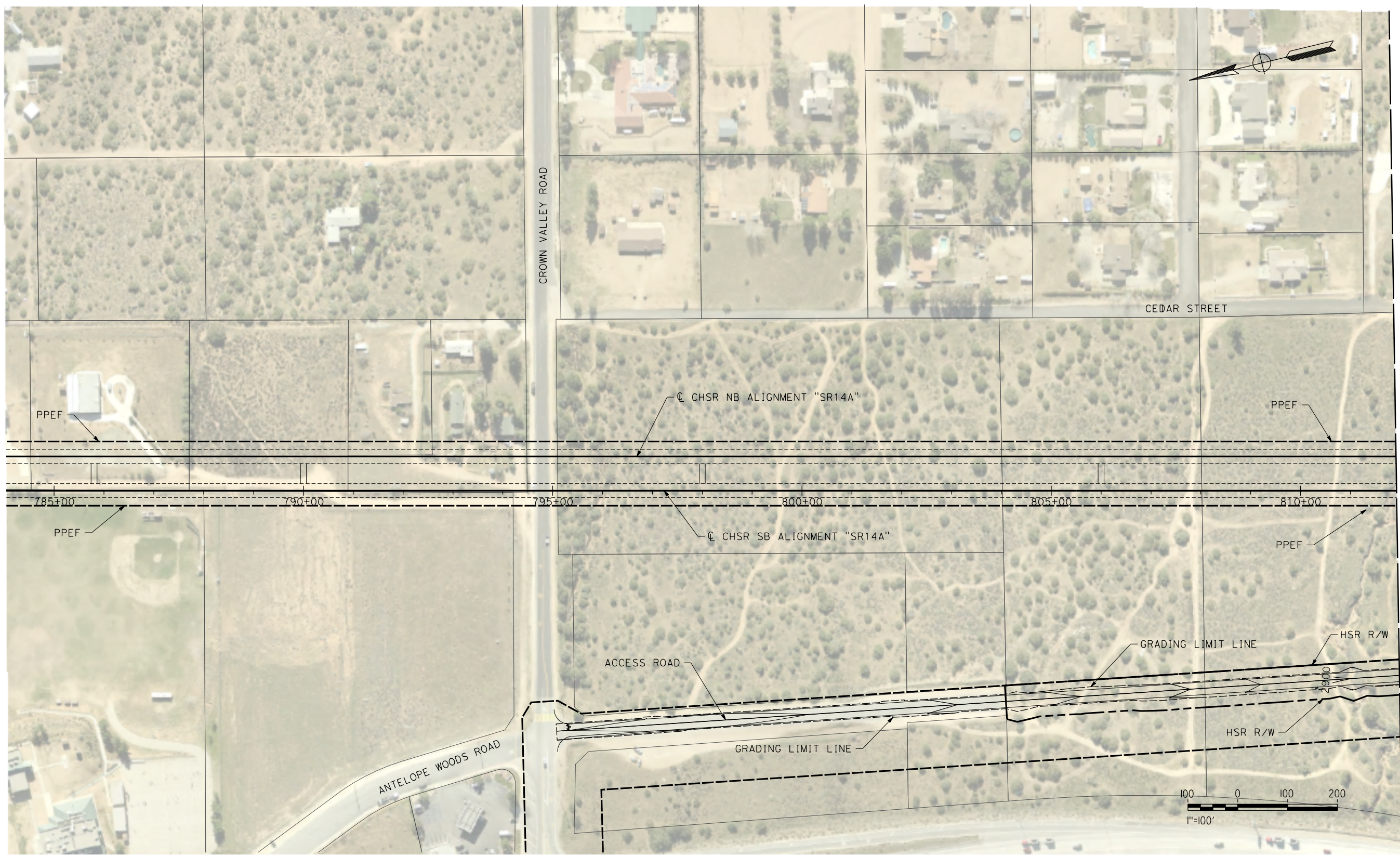
**PEPD RECORD SET
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 SR14A/E1A/E2A**
**NOT FOR
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 PALMDALE TO BURBANK
 ALIGNMENT "SR14A"**
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
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AS SHOWN
 SHEET NO.

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MATCH LINE (CV-G4010-14A)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "SR14A"**

GRADING AND DRAINAGE PLAN

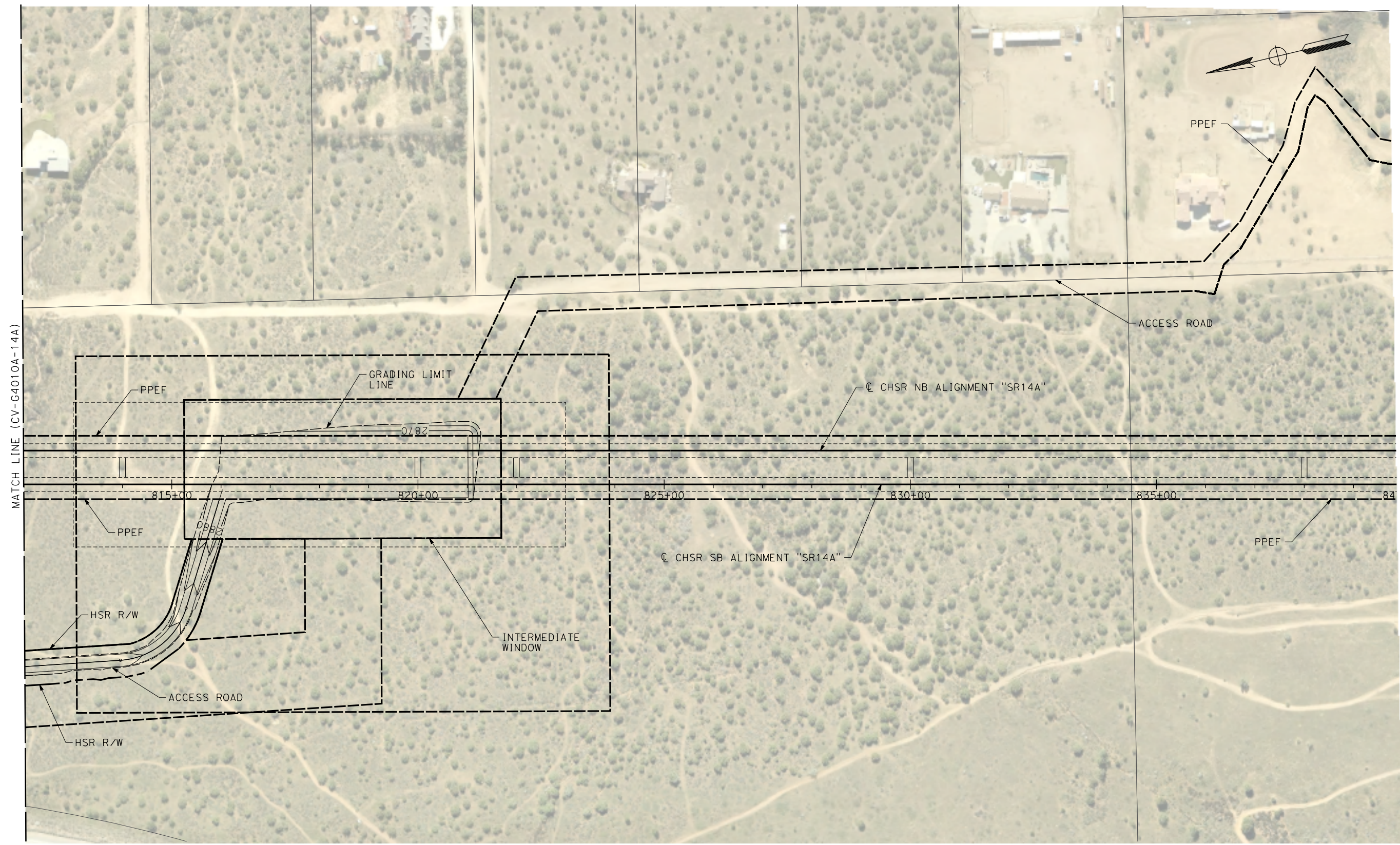
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 0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
 DRAWN BY
F. VASQUEZ
 CHECKED BY
R. RODRIGUEZ
 IN CHARGE
A. RELANO
 DATE
02/26/2021

**PEPD RECORD SET
 ADDENDUM
 SR14A/E1A/E2A**
**NOT FOR
 CONSTRUCTION**



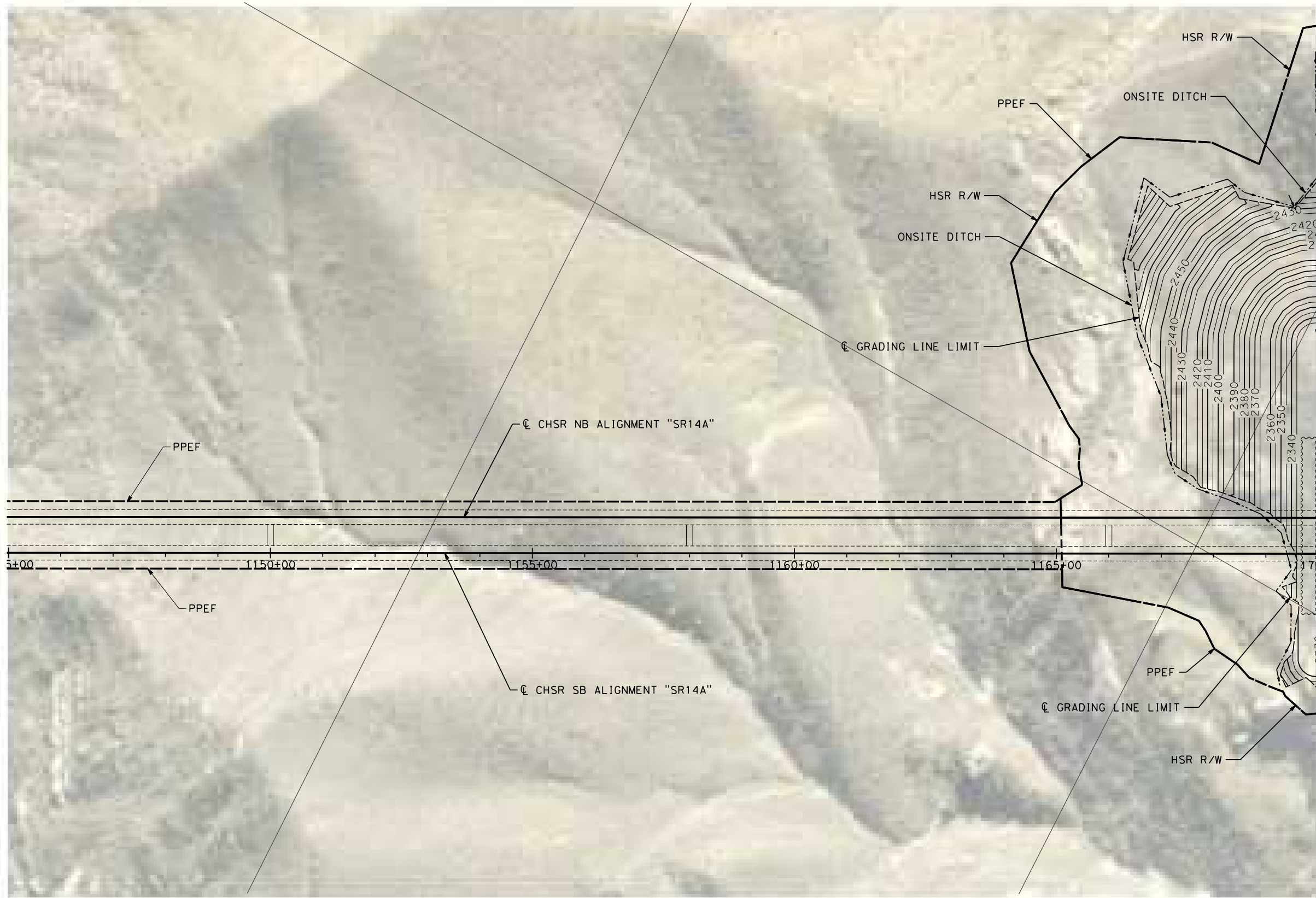
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 PALMDALE TO BURBANK**
 ALIGNMENT "SR14A"
 GRADING AND DRAINAGE PLAN

CONTRACT NO.
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 DRAWING NO.
CV-G4010-14A
 SCALE
AS SHOWN
 SHEET NO.

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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "SR14A"

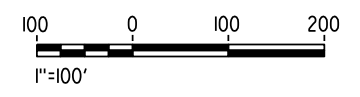
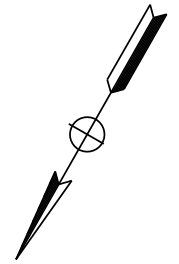
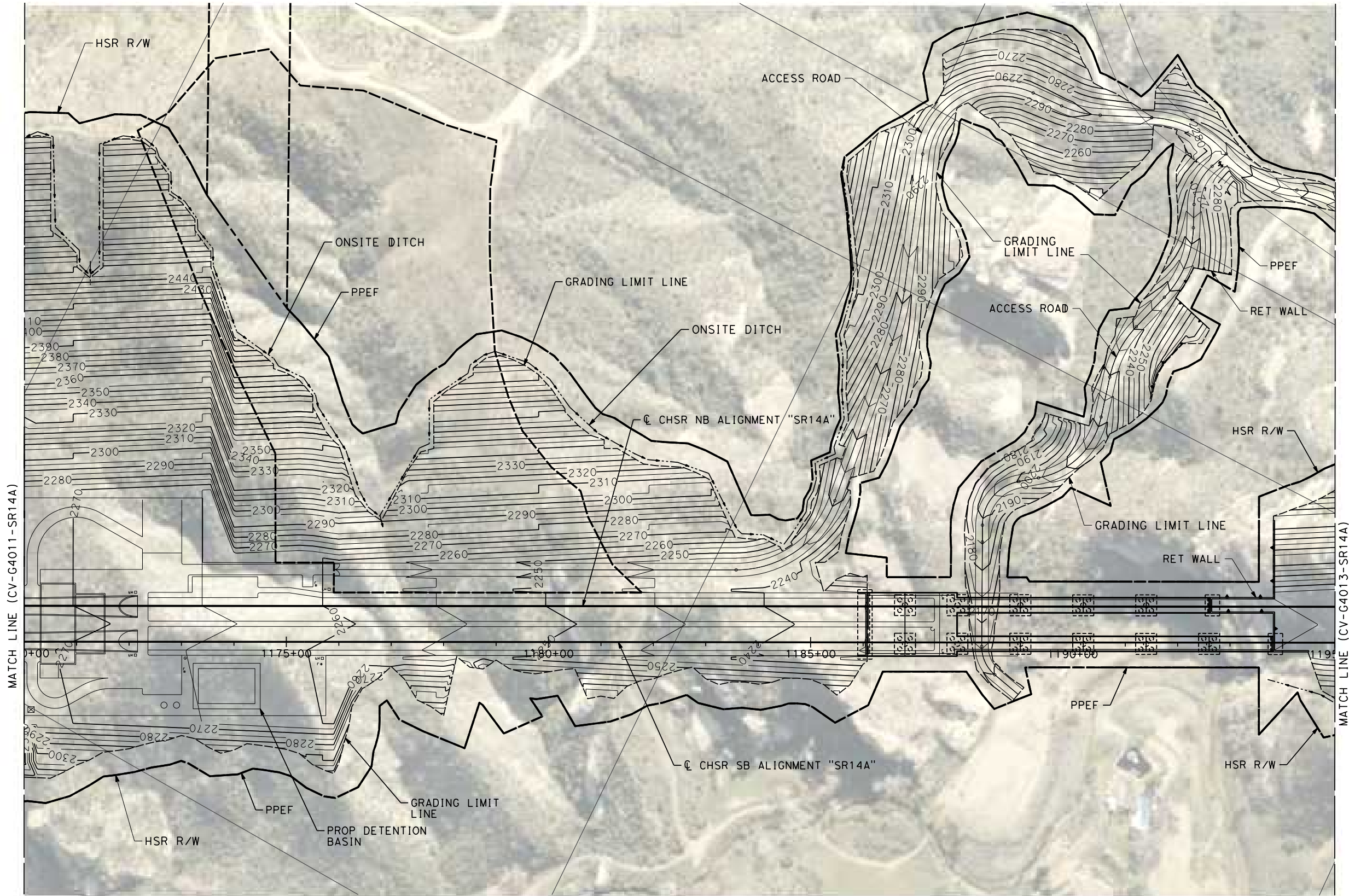
GRADING AND DRAINAGE PLAN

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3/9/2021 5:00:03 PM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "SR14A"**

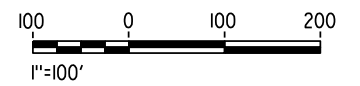
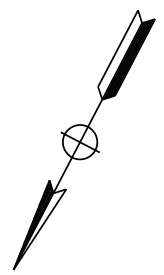
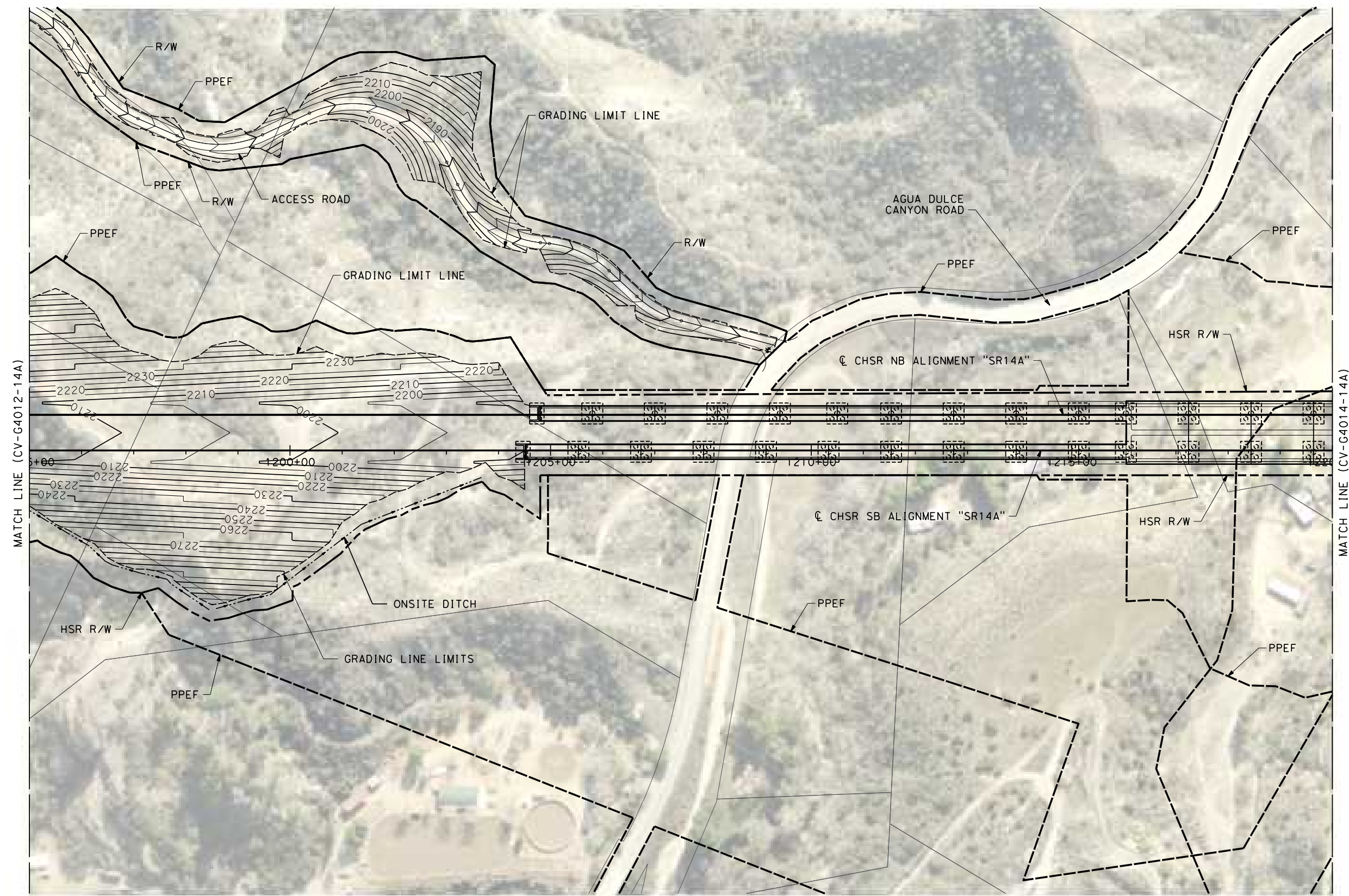
GRADING AND DRAINAGE PLAN

CONTRACT NO.
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DRAWING NO.
CV-G4012-14A
SCALE
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SHEET NO.

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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**

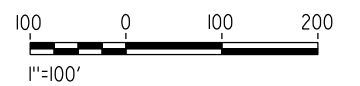
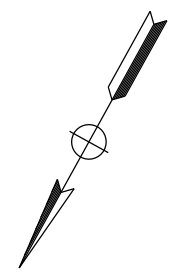
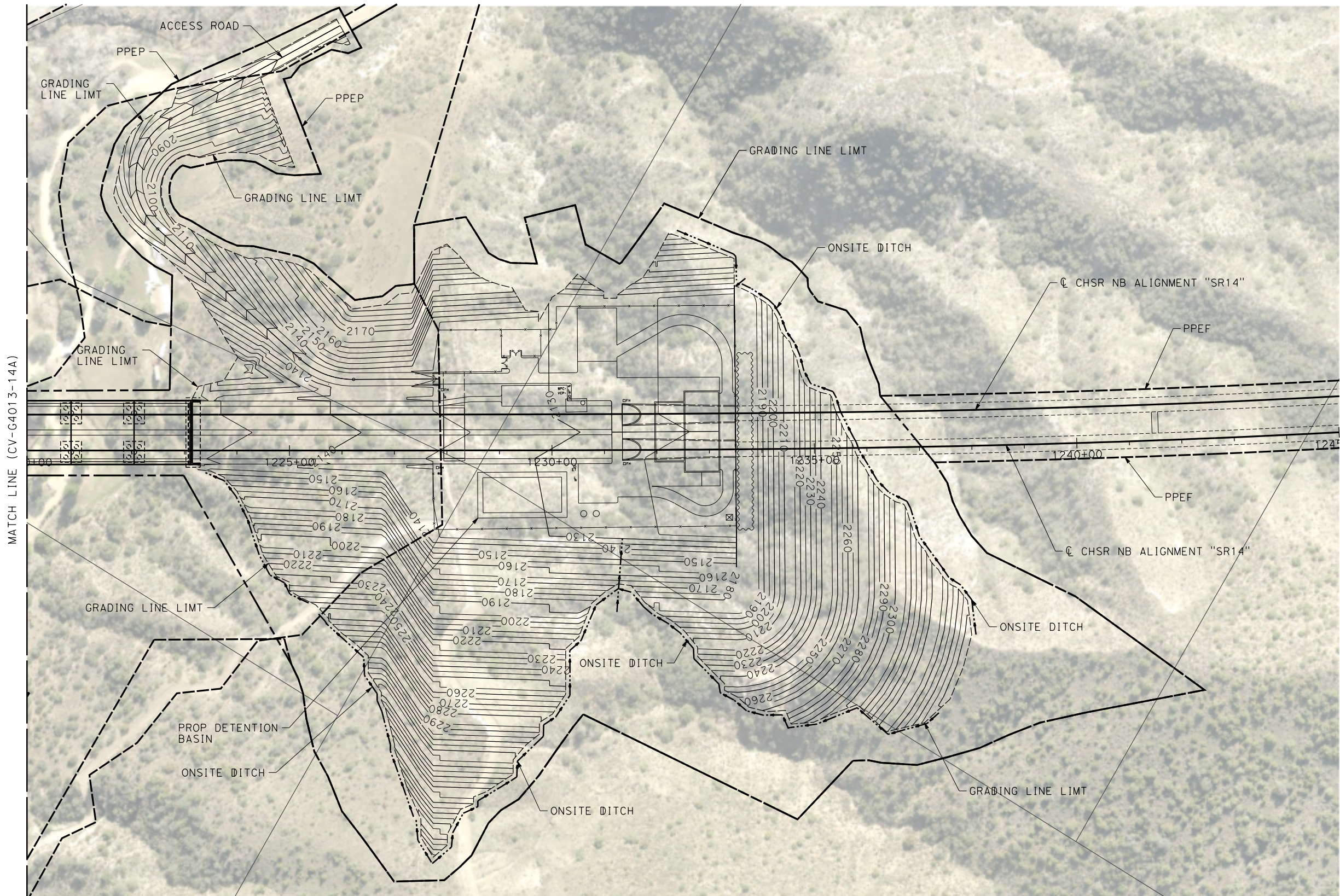


**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "SR14A"**

GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
CV-G4013-14A
SCALE
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SHEET NO.

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 0400073



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
 DRAWN BY
F. VASQUEZ
 CHECKED BY
R. RODRIGUEZ
 IN CHARGE
A. RELANO
 DATE
08/04/2020

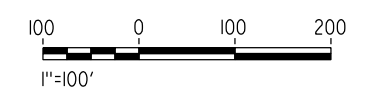
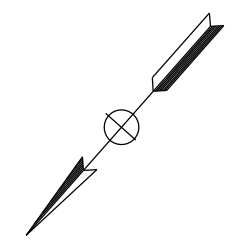
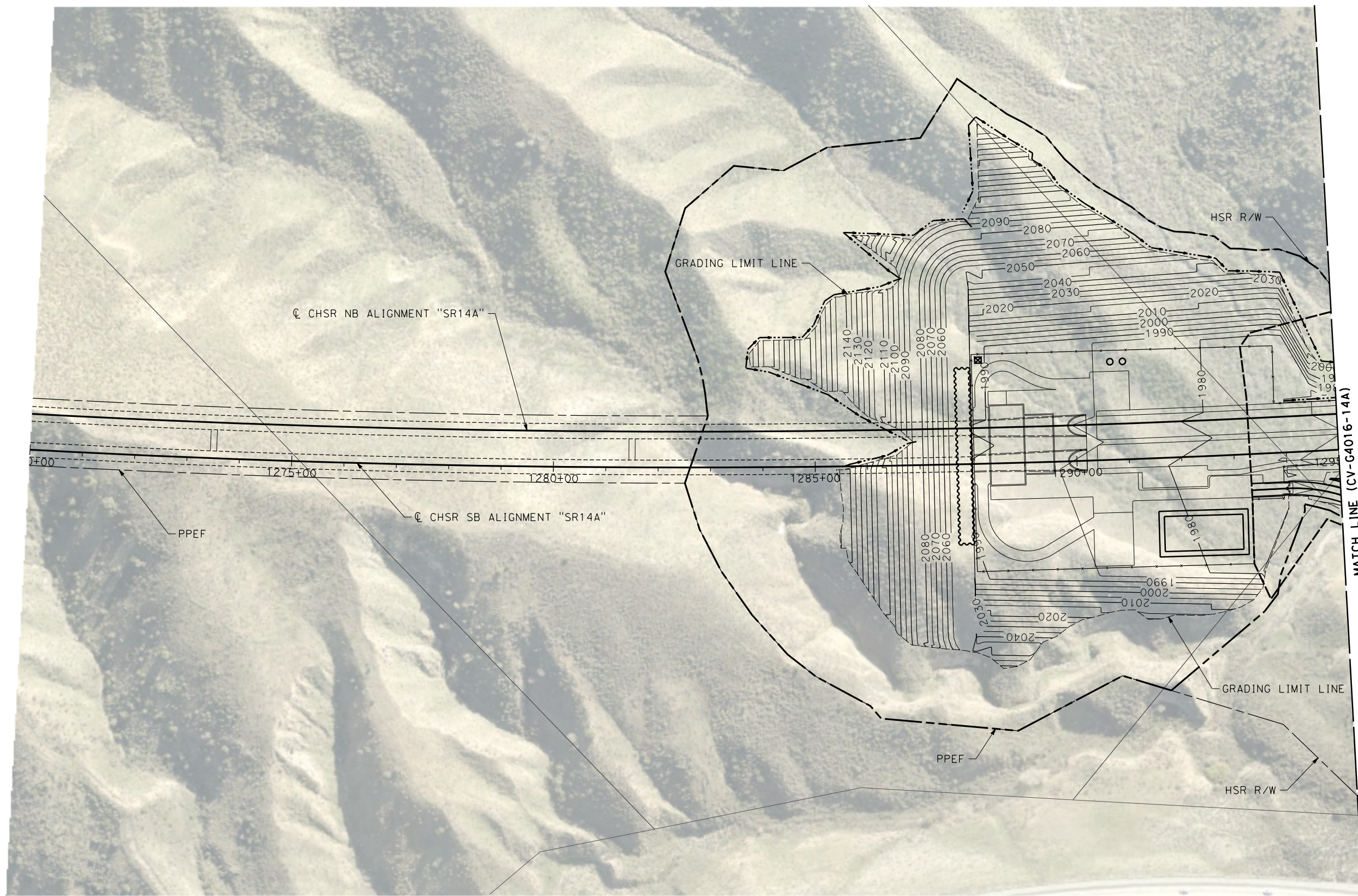
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 ADDENDUM
 SR14A/E1A/E2A**
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 PALMDALE TO BURBANK
 ALIGNMENT "SR14A"**
GRADING AND DRAINAGE PLAN

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

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
08/04/2020

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "SR14A"**

GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42

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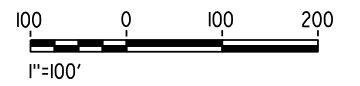
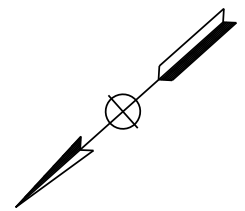
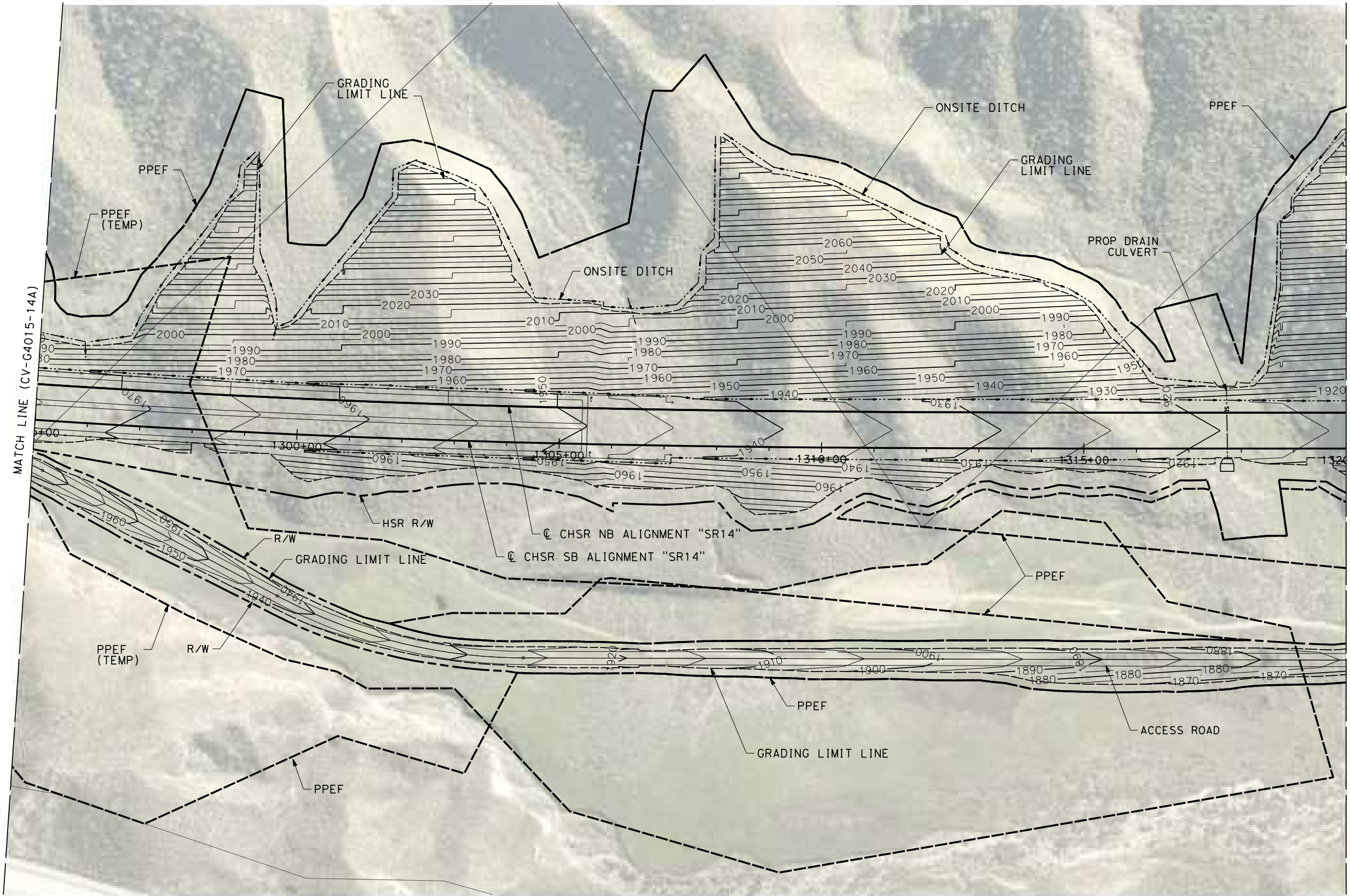
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SHEET NO.

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3/9/2021 5:00:30 PM

0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



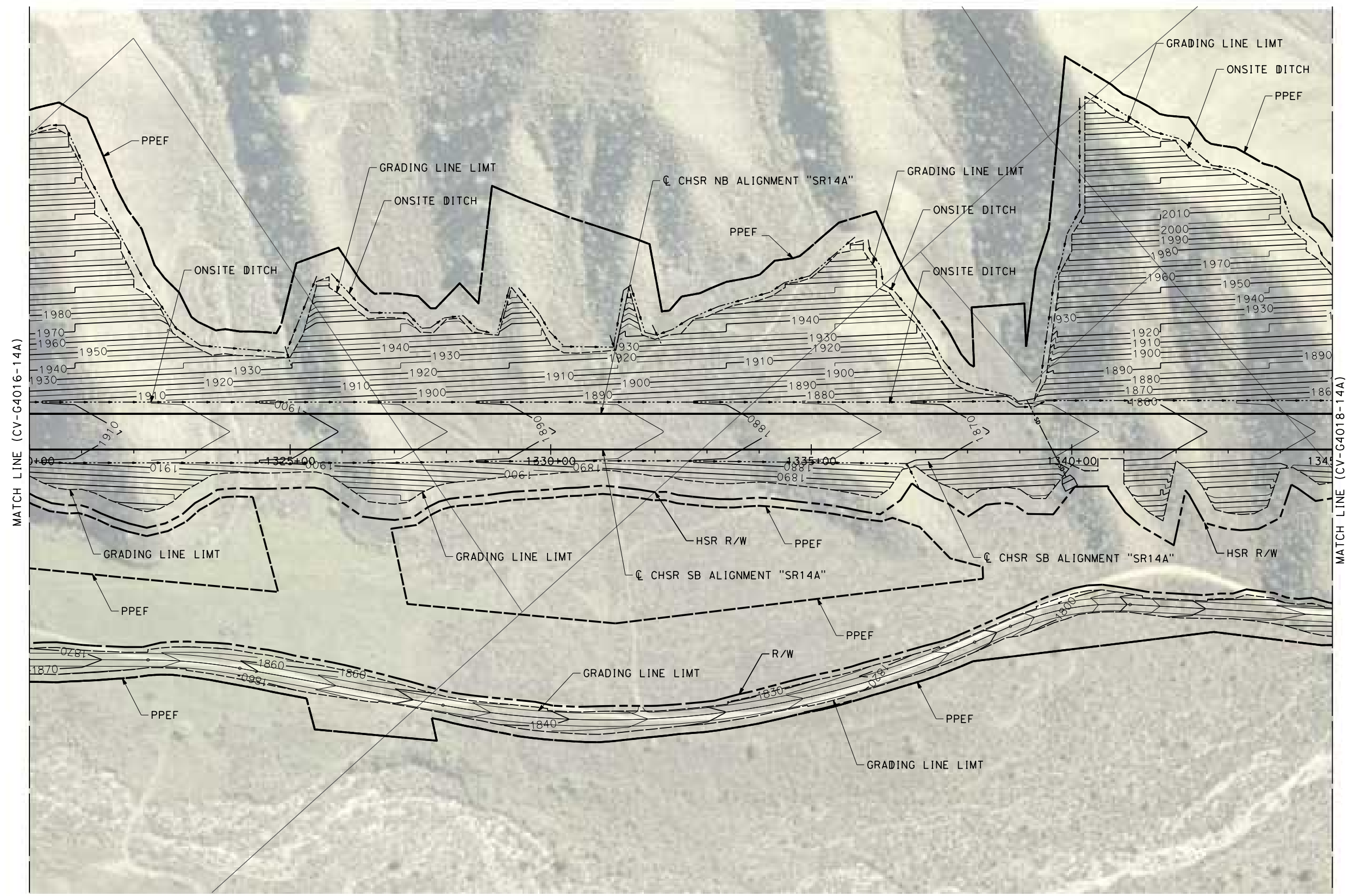
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "SR14A"
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
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CV-G4016-14A
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SHEET NO.

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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
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R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "SR14A"

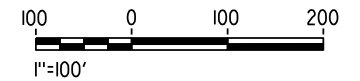
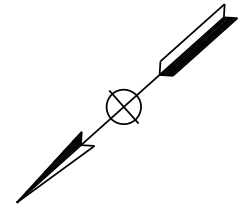
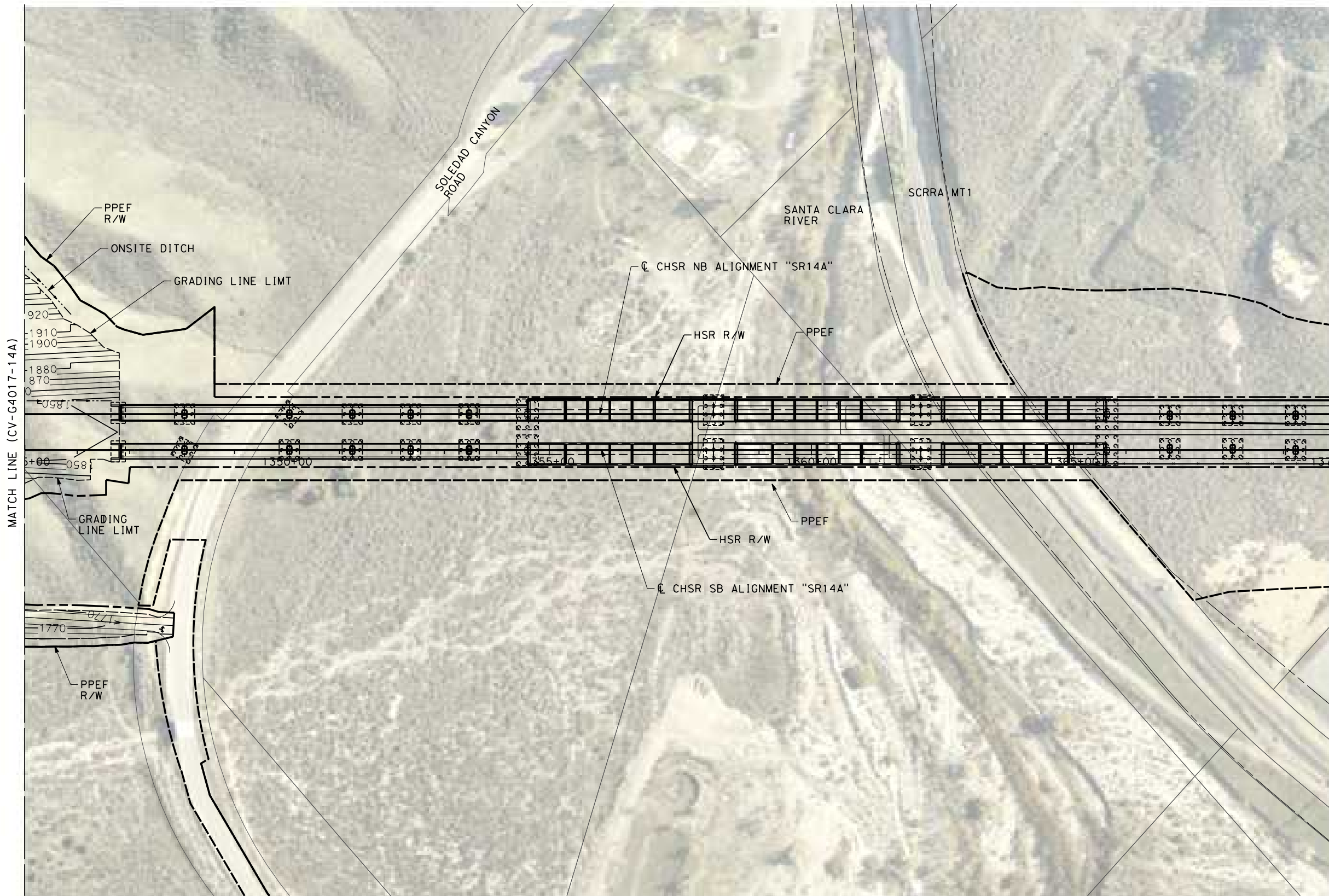
GRADING AND DRAINAGE PLAN

CONTRACT NO.
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SCALE
AS SHOWN
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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
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R. RODRIGUEZ
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A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "SR14A"

GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
CV-G4018-14A
SCALE
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SHEET NO.

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3/9/2021 5:00:50 PM

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**

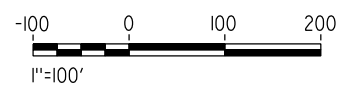
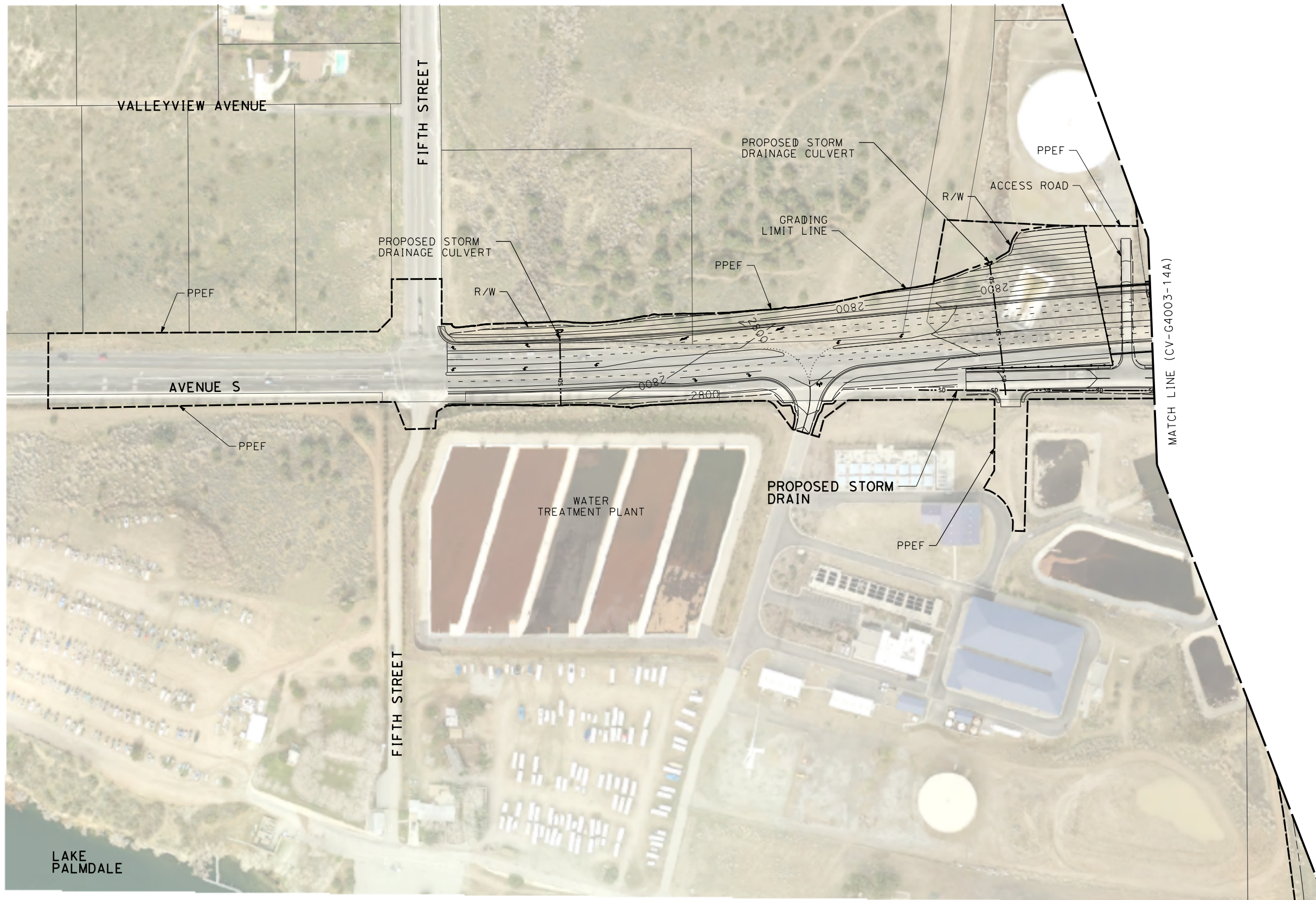


**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "SR14A"

GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
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 0400073



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DESIGNED BY
C. DIMARIO
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 CHECKED BY
R. RODRIGUEZ
 IN CHARGE
A. RELANO
 DATE
02/26/2021

**PEPD RECORD SET
 ADDENDUM
 SR14A/E1A/E2A**

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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 ALIGNMENT "SR14A"

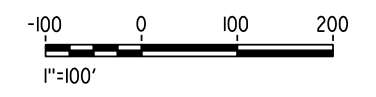
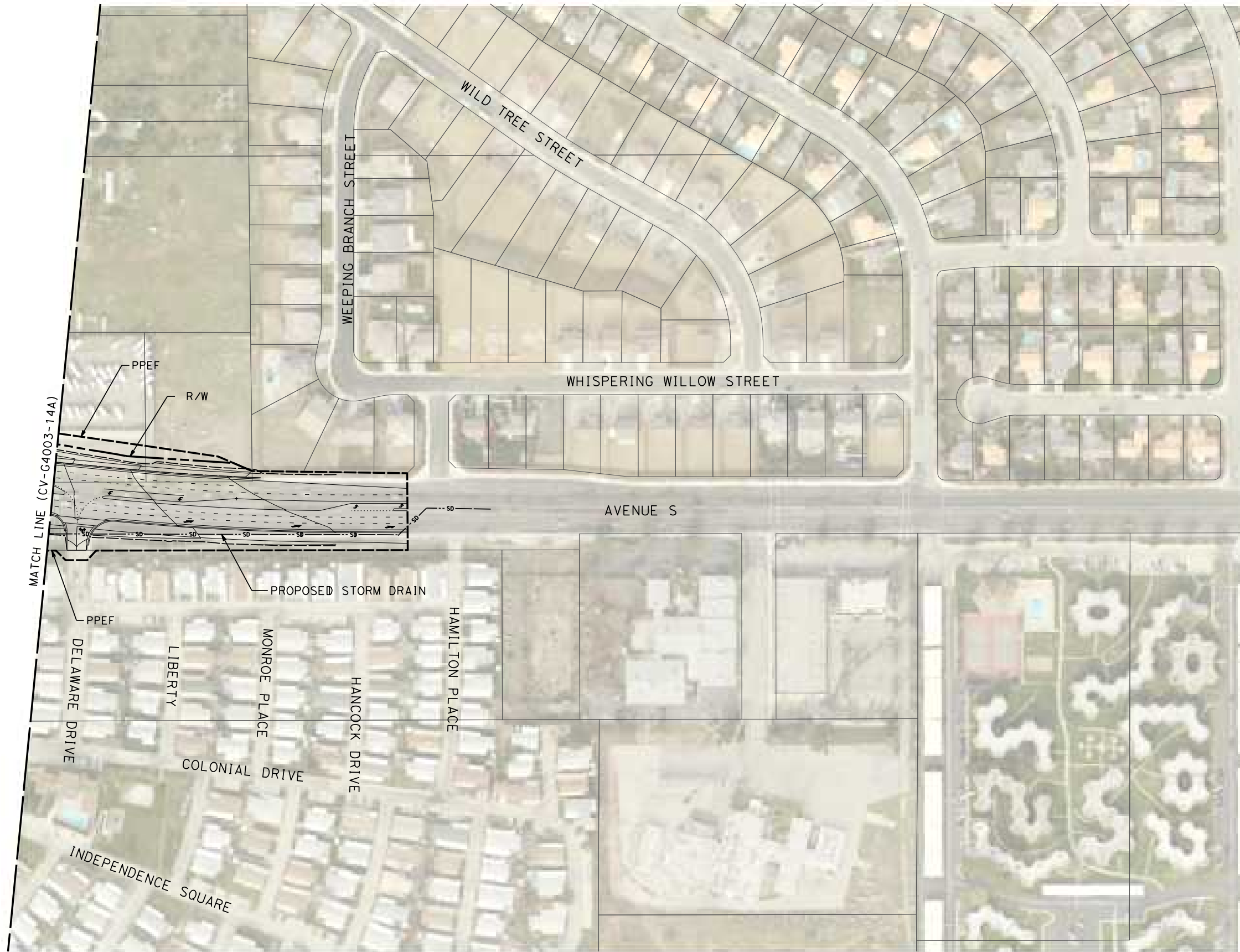
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CONTRACT NO.
HSR14-42
 DRAWING NO.
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IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

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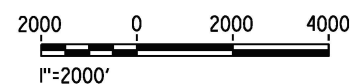
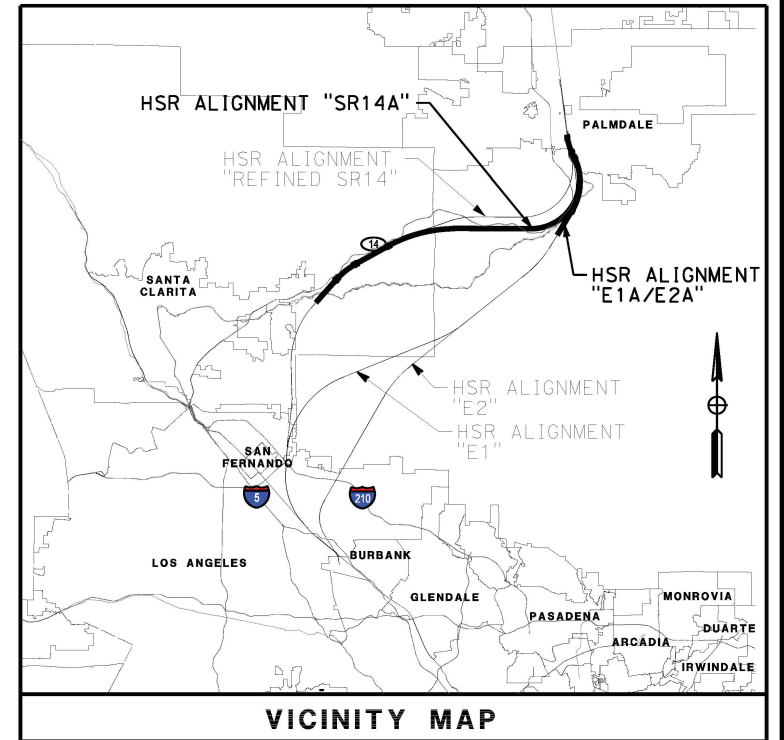
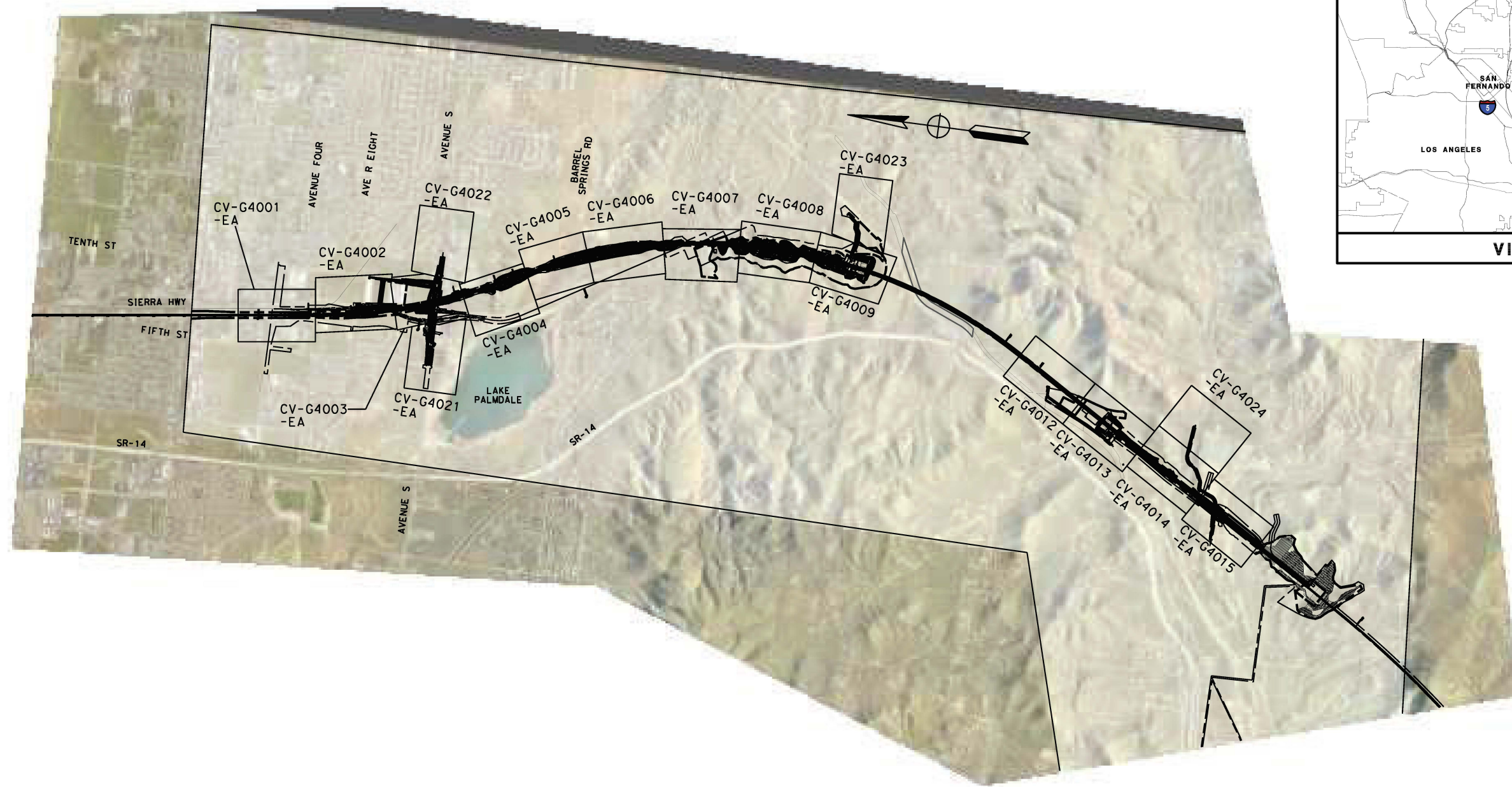
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "SR14A"
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
CV-G4022-14A
SCALE
AS SHOWN
SHEET NO.

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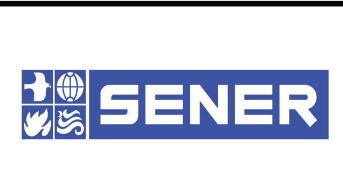


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C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELAÑO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



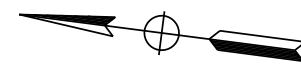
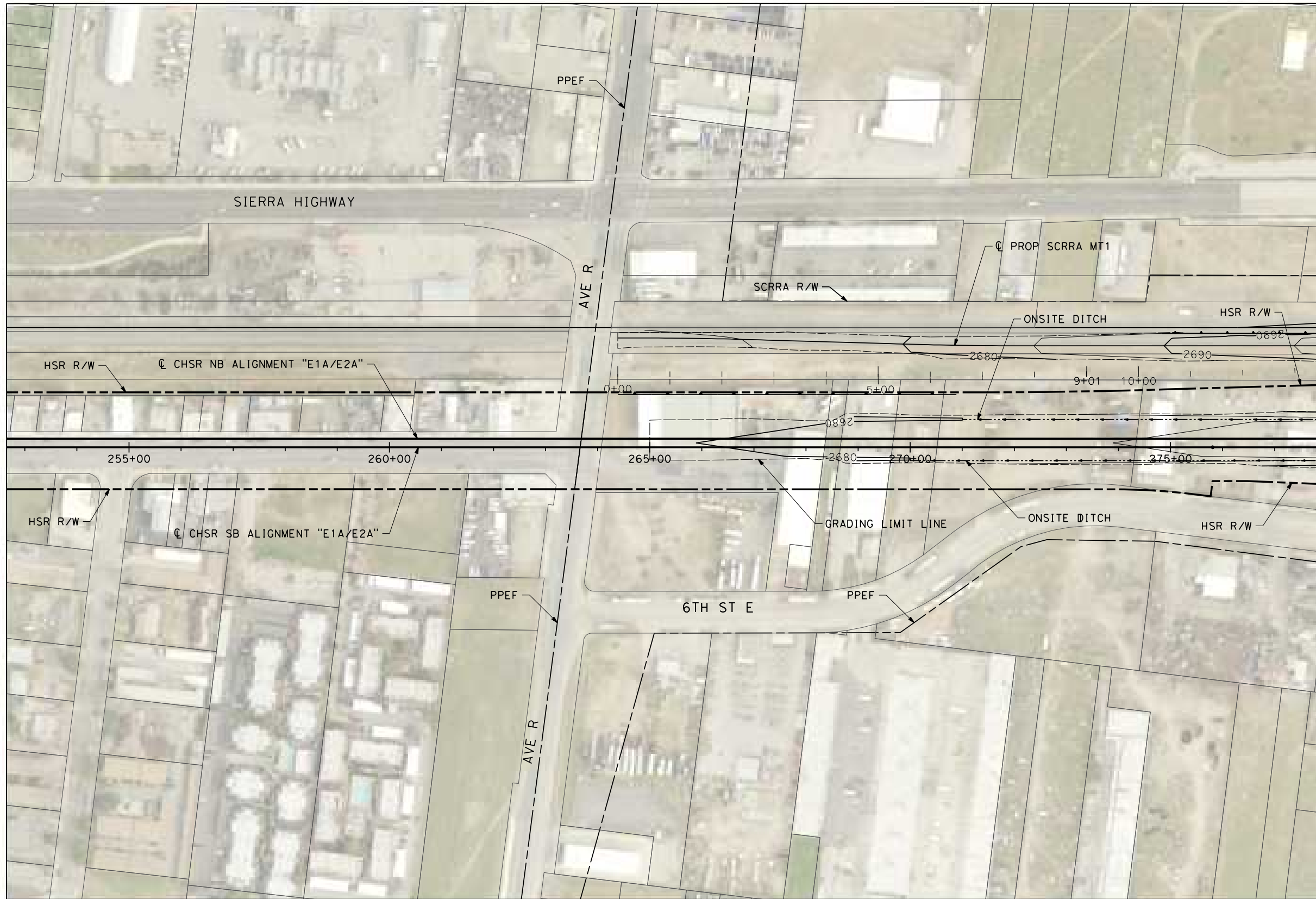
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "E1A/E2A"
GRADING AND DRAINAGE PLAN
KEY MAP

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

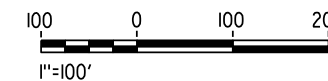
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MATCH LINE (CV-G4002-EA)



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DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

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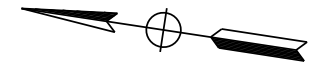
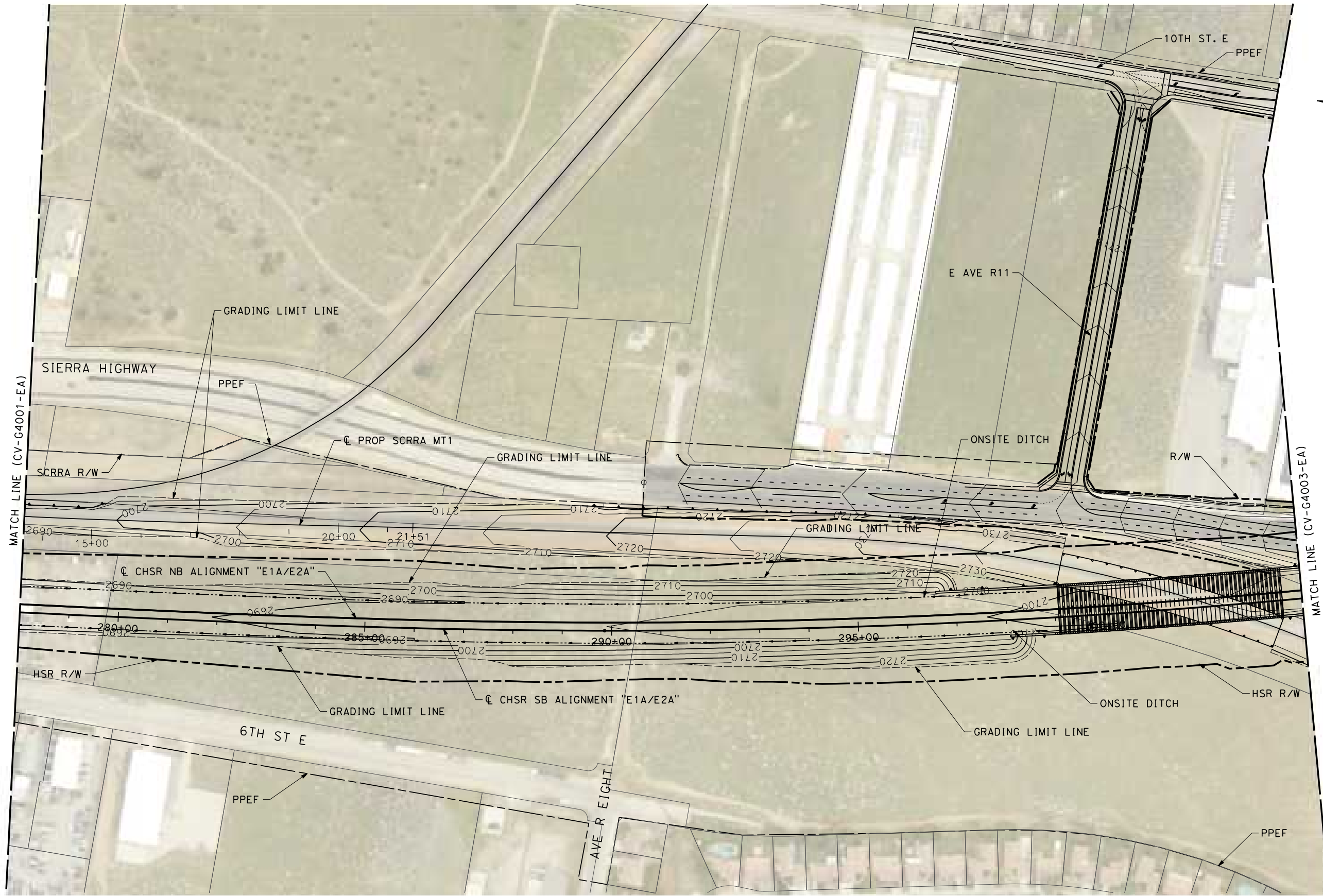
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
CV-G4001-EA
SCALE
AS SHOWN
SHEET NO.

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IN CHARGE
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DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

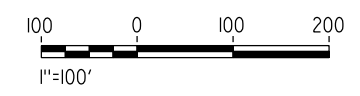
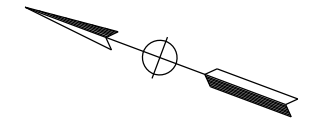
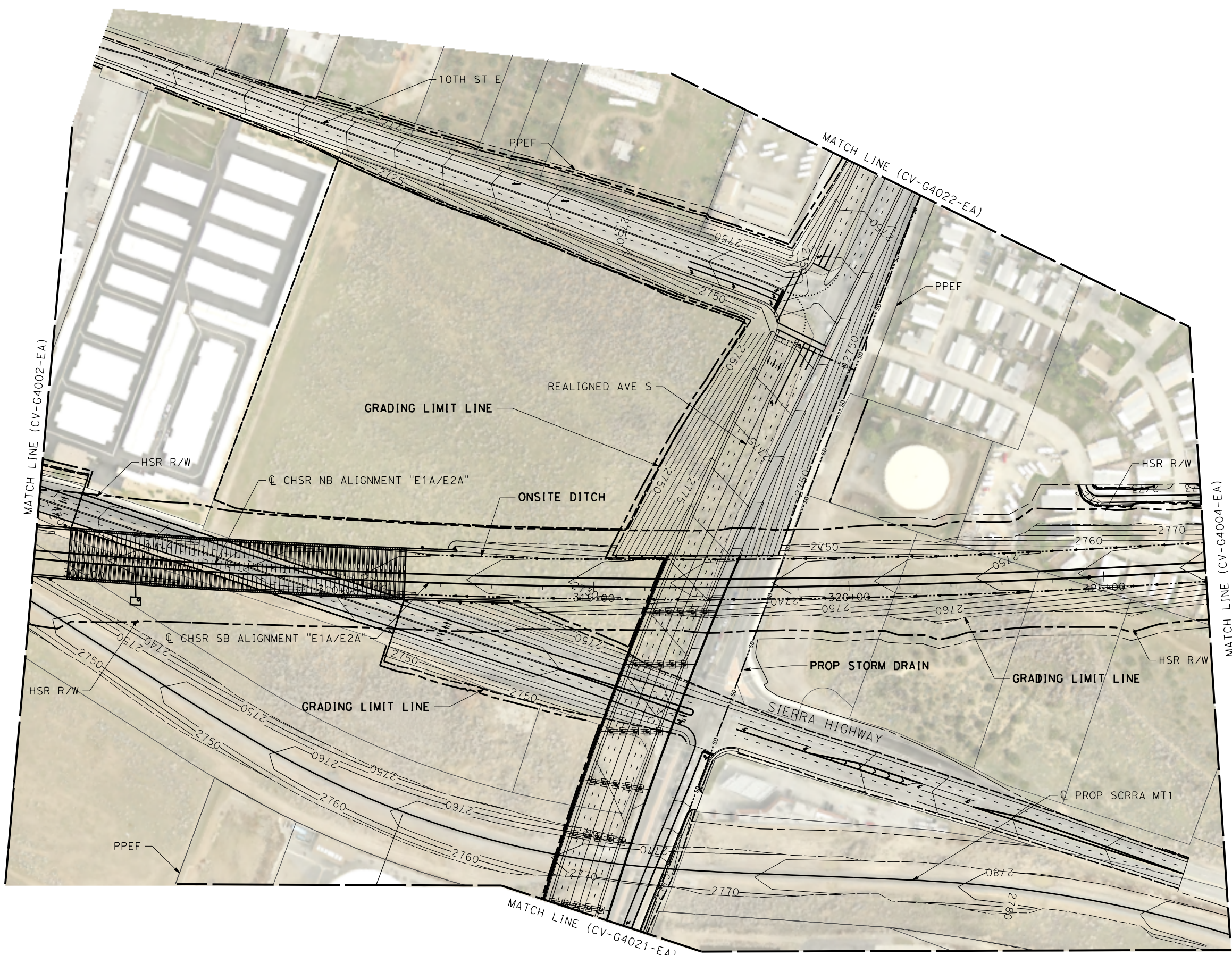
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "E1A/E2A"
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
CV-G4002-EA
SCALE
AS SHOWN
SHEET NO.

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R. RODRIGUEZ
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02/26/2021

**PEPD RECORD SET
 ADDENDUM
 SR14A/E1A/E2A**

**NOT FOR
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 PALMDALE TO BURBANK
 ALIGNMENT "E1A/E2A"
 GRADING AND DRAINAGE PLAN**

CONTRACT NO.
HSR14-42

DRAWING NO.
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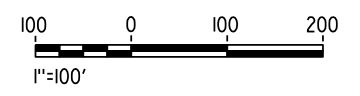
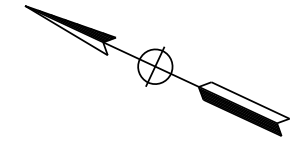
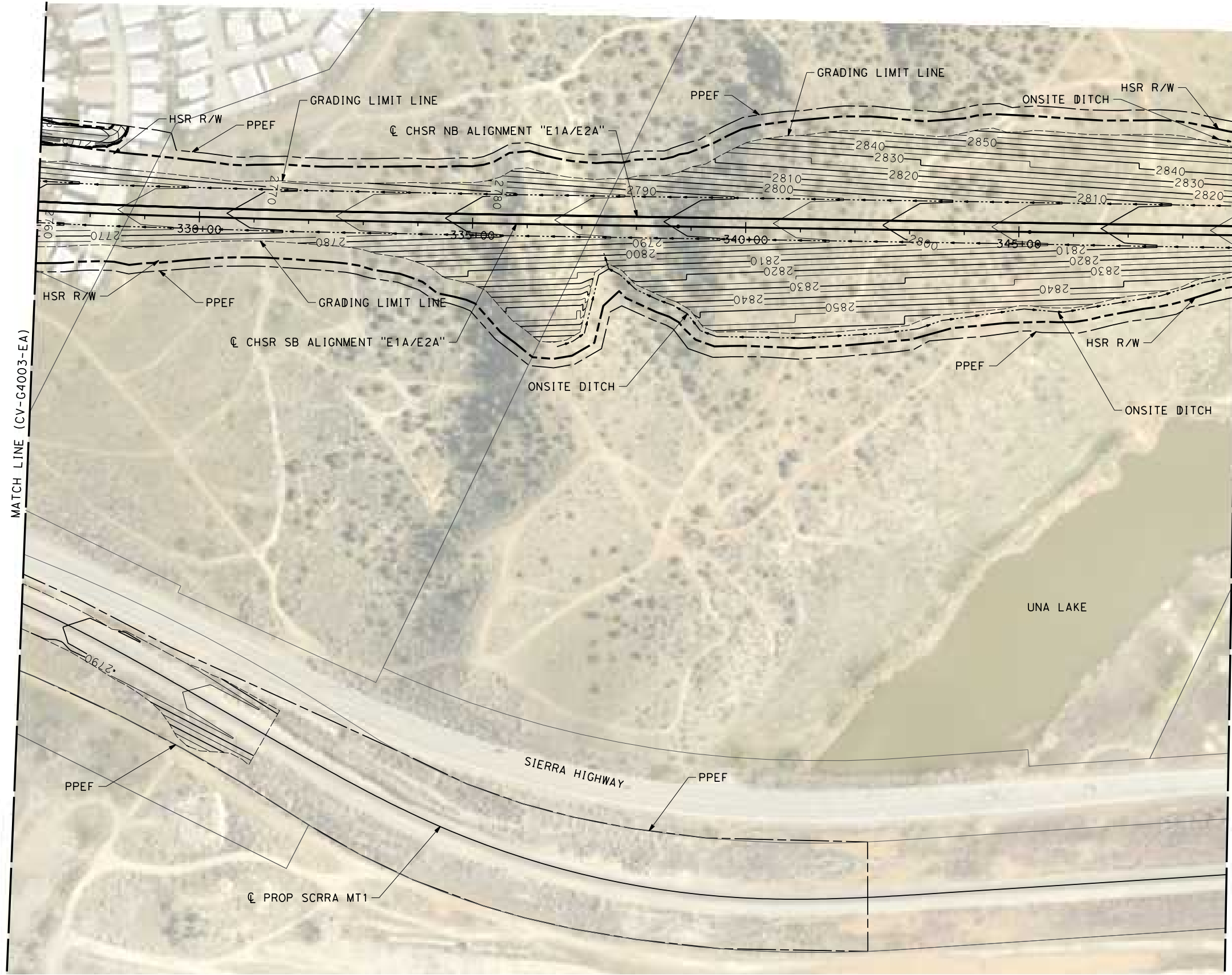
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R. RODRIGUEZ
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A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

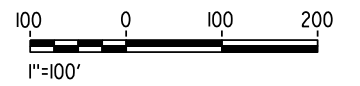
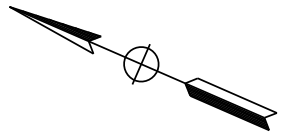
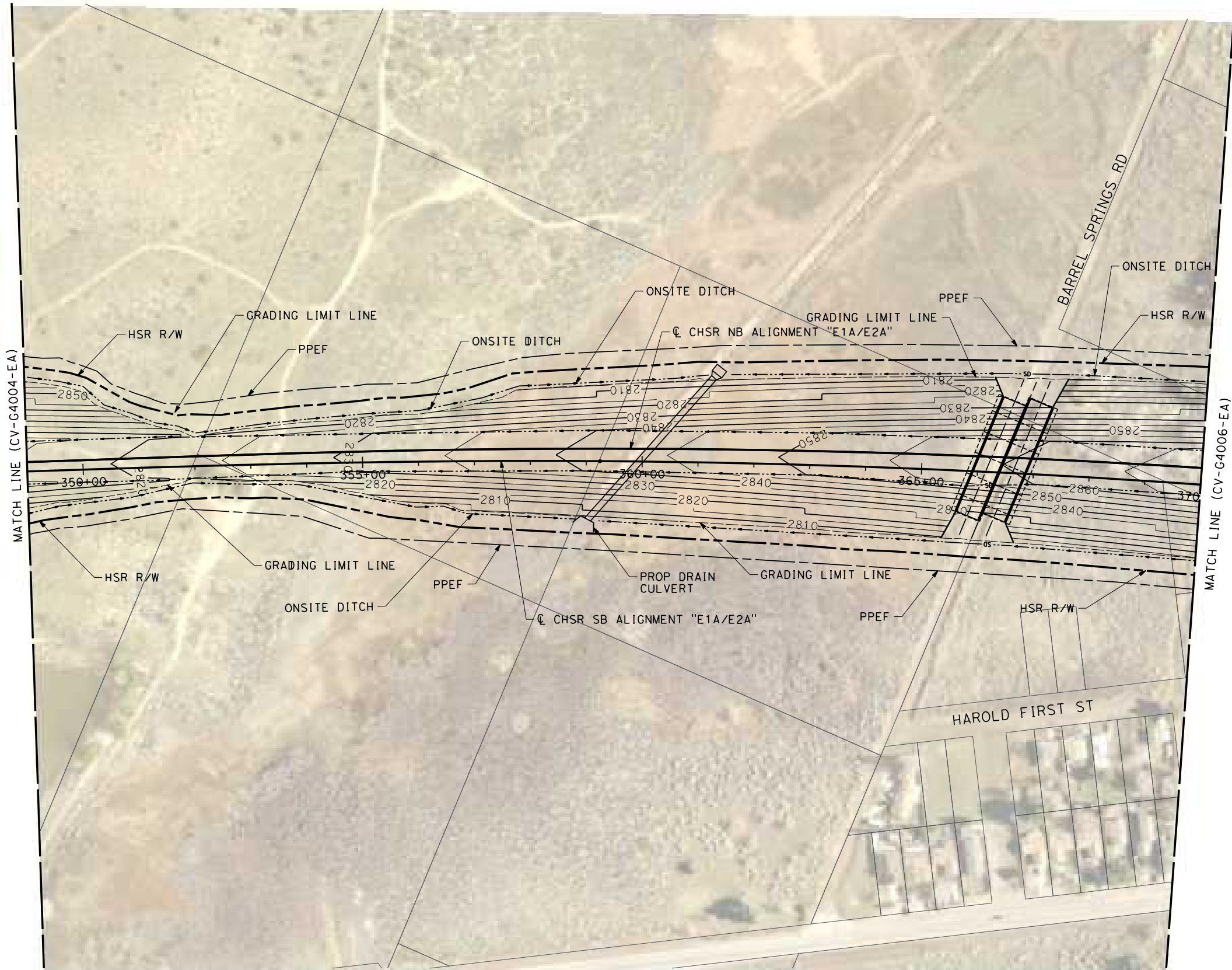
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "E1A/E2A"

GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
CV-G4004-EA
SCALE
AS SHOWN
SHEET NO.



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DESIGNED BY
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DRAWN BY
F. VASQUEZ
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R. RODRIGUEZ
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DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



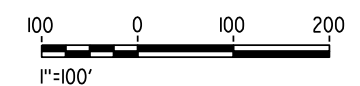
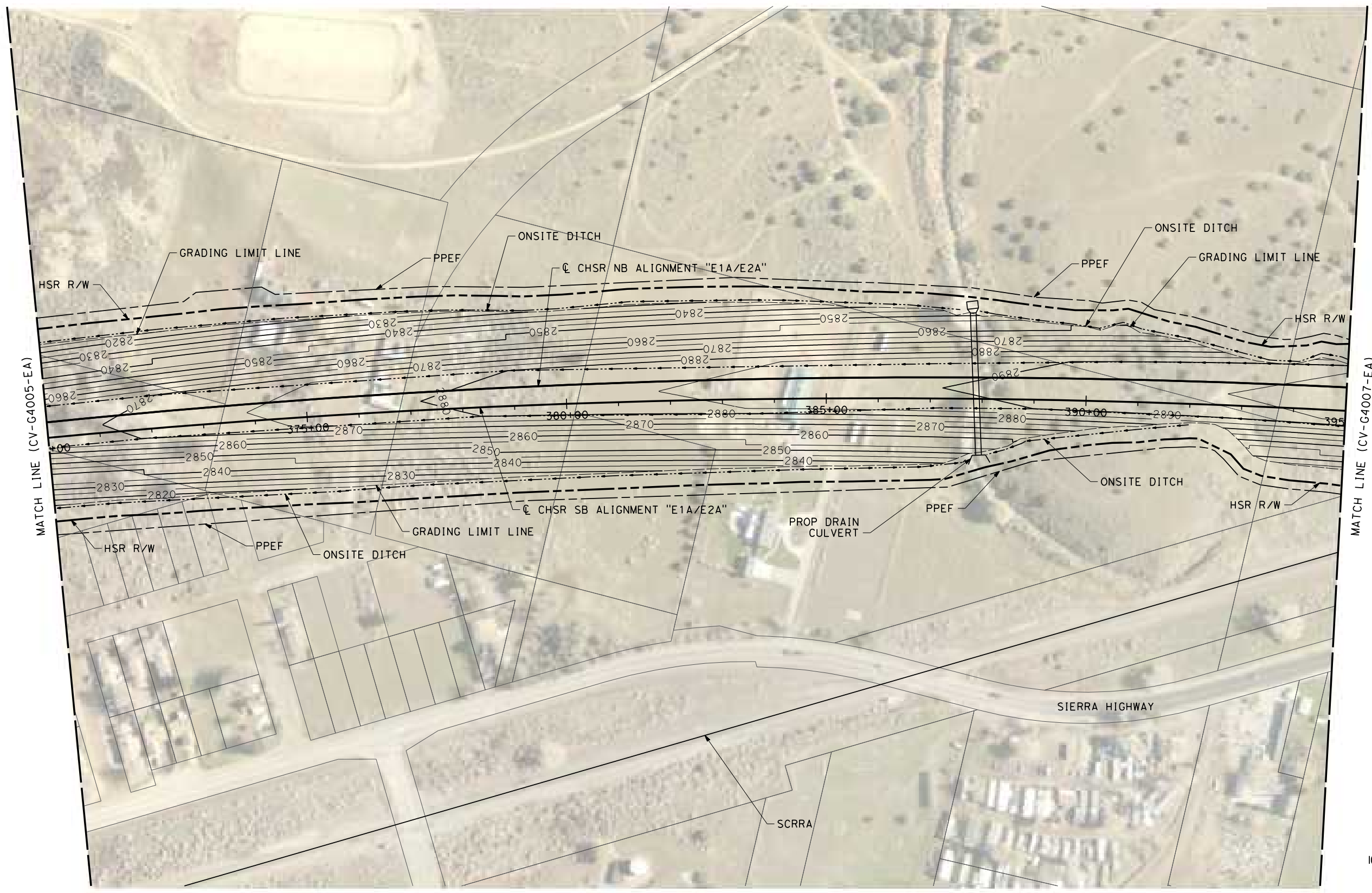
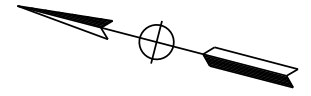
**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "E1A/E2A"
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
CV-G4005-EA
SCALE
AS SHOWN
SHEET NO.

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DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"**

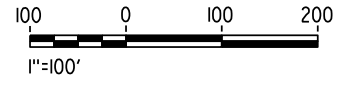
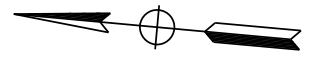
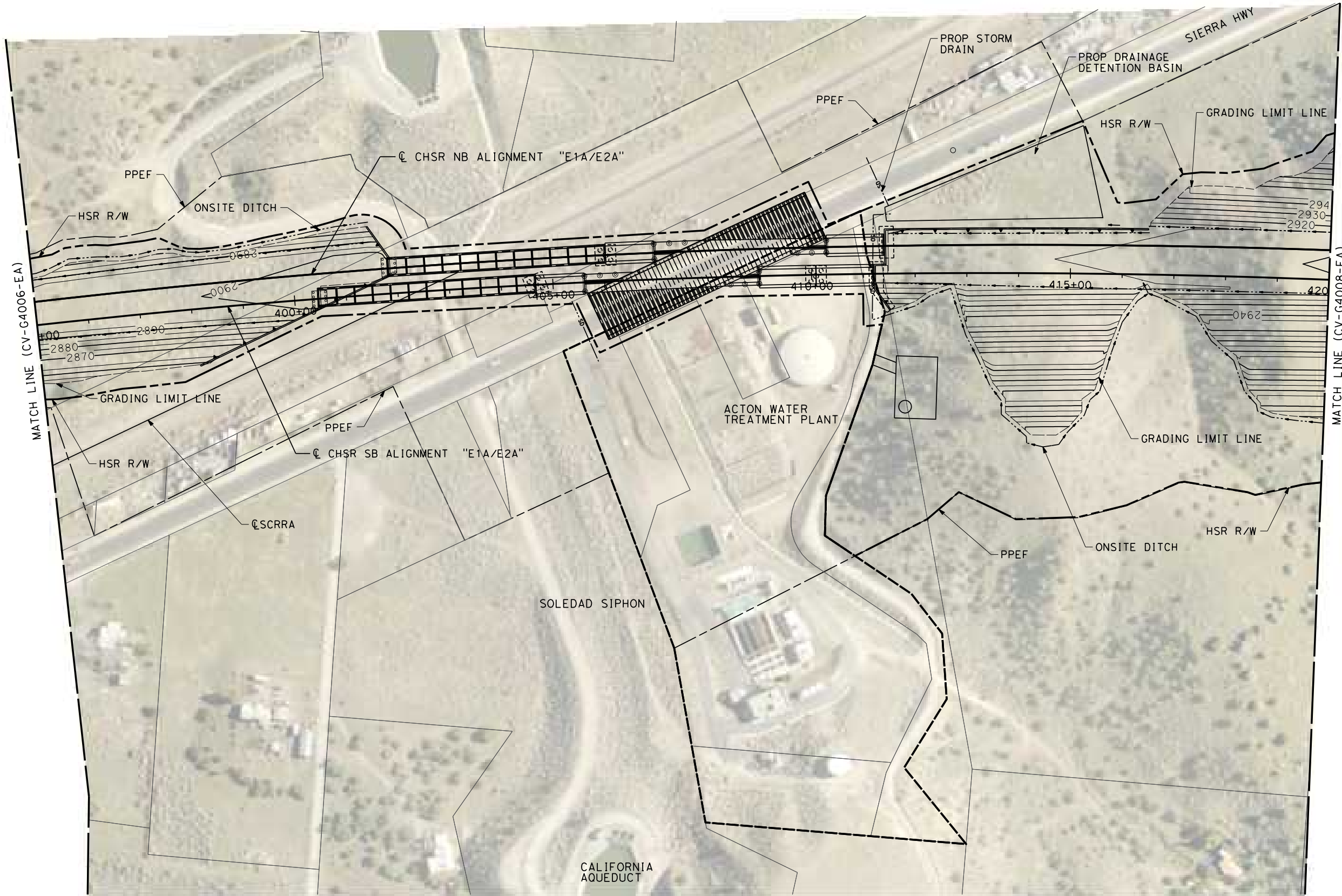
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
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SCALE
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C. DIMARIO
DRAWN BY
F. VASQUEZ
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R. RODRIGUEZ
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DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "E1A/E2A"

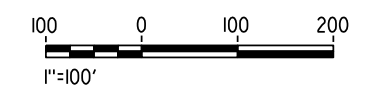
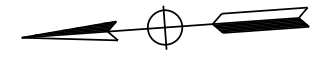
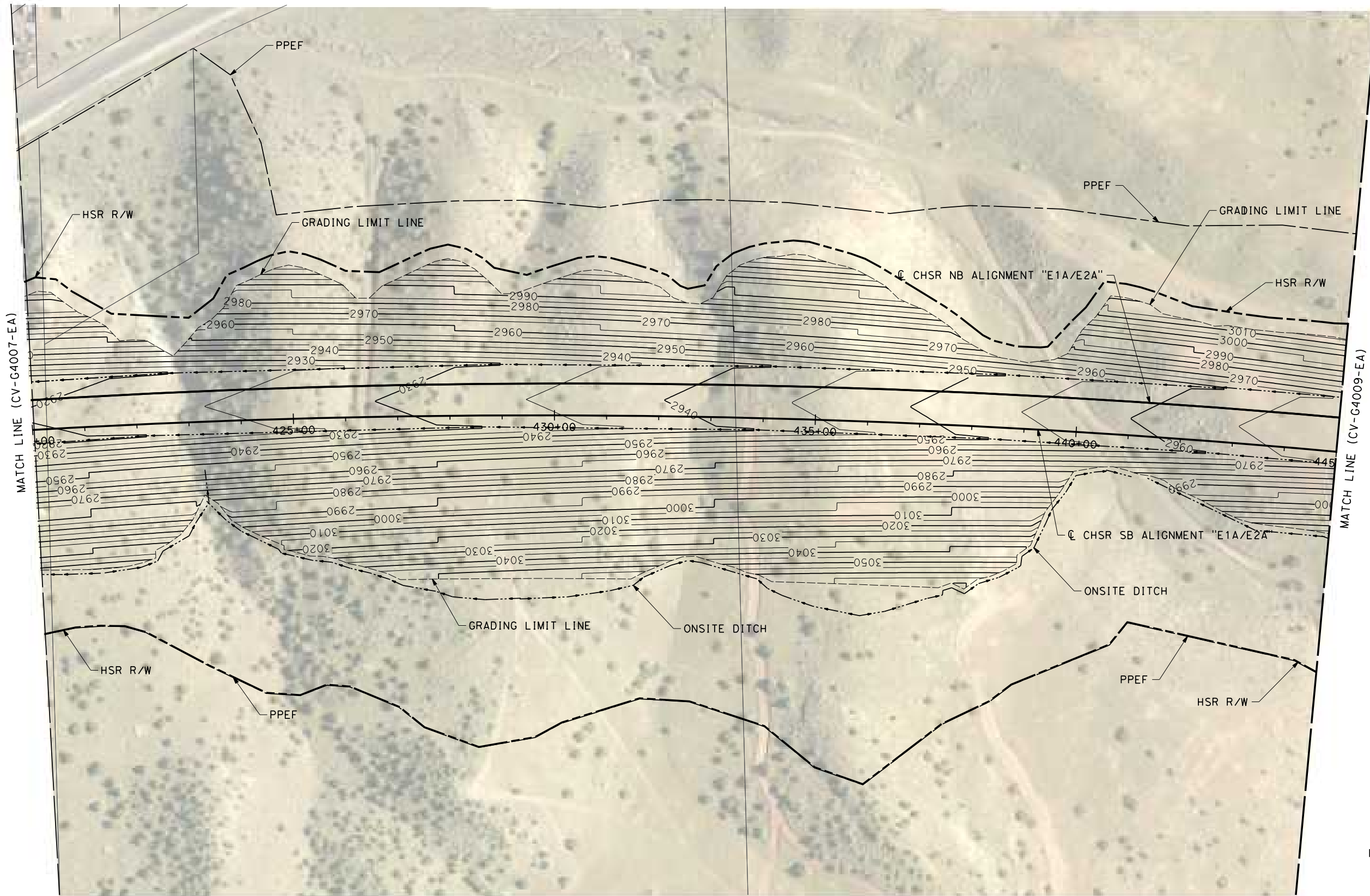
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
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SCALE
AS SHOWN
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C. DIMARIO
DRAWN BY
F. VASQUEZ
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R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

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CONSTRUCTION**

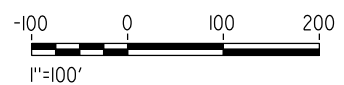
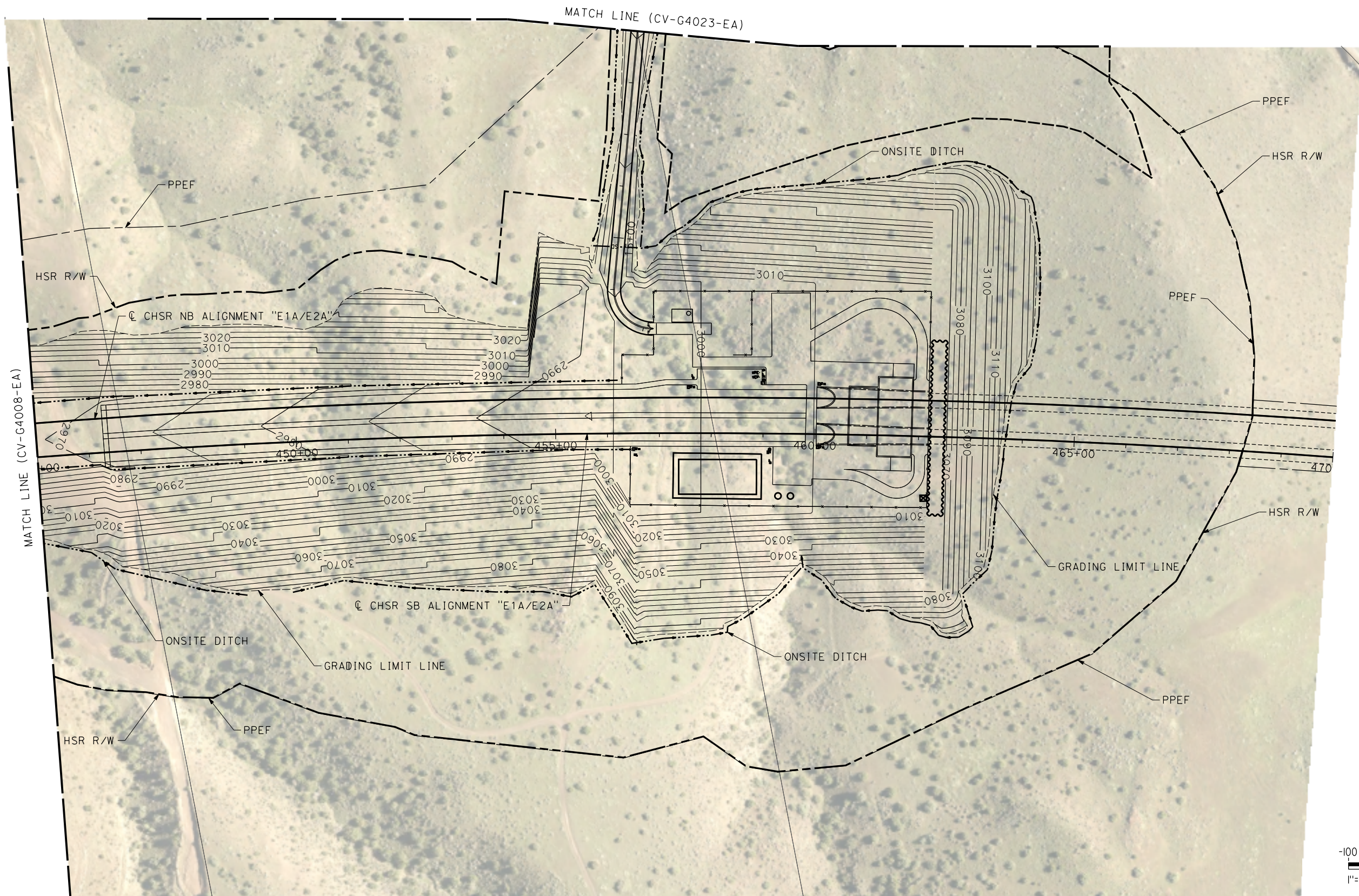


**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "E1A/E2A"

GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
CV-G4008-EA
SCALE
AS SHOWN
SHEET NO.

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DESIGNED BY
C. DIMARIO
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F. VASQUEZ
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R. RODRIGUEZ
 IN CHARGE
A. RELANO
 DATE
02/26/2021

**PEPD RECORD SET
 ADDENDUM
 SR14A/E1A/E2A**

**NOT FOR
 CONSTRUCTION**



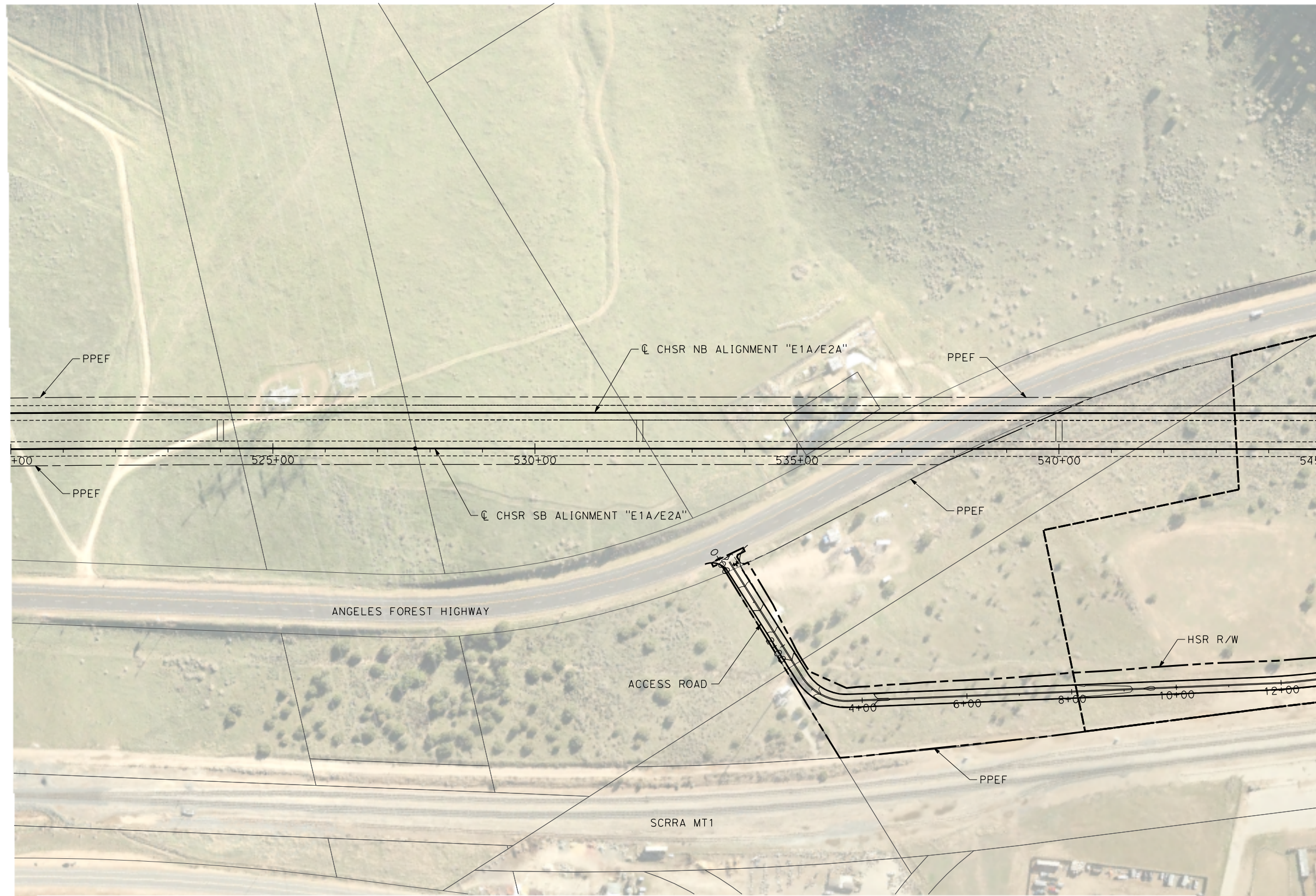
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
 ALIGNMENT "E1A/E2A"
 GRADING AND DRAINAGE PLAN

CONTRACT NO.
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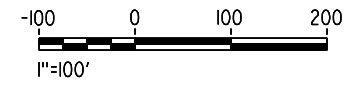
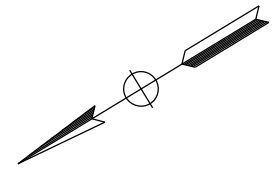
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MATCH LINE (UT-C4013-E1AE2A)



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F. VASQUEZ
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R. RODRIGUEZ
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**PEPD RECORD SET
ADDENDUM
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**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "E1A/E2A"

GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
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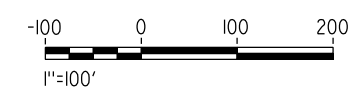
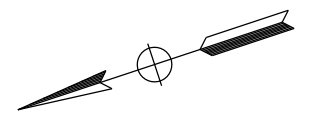
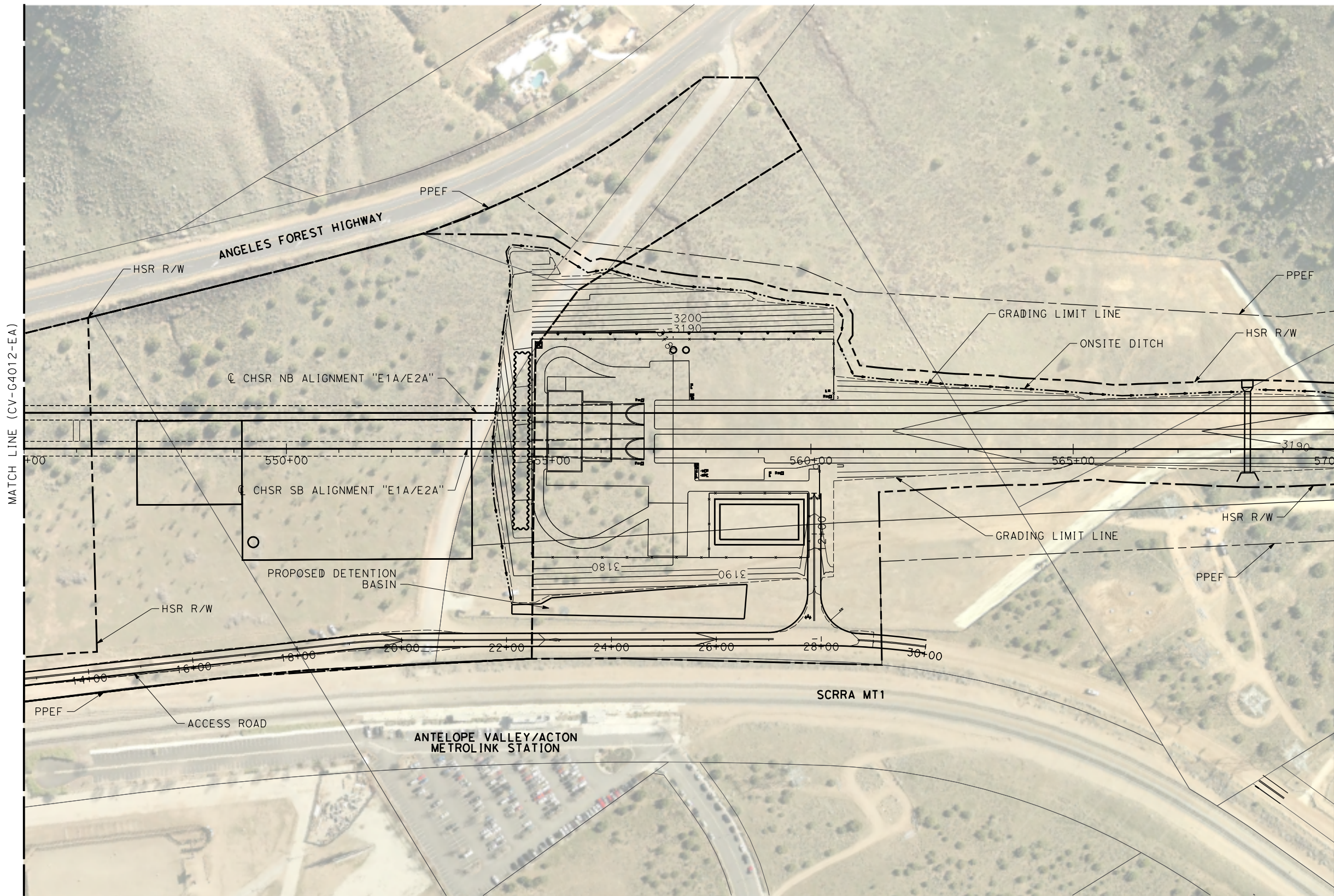
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0400073



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**PEPD RECORD SET
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SR14A/E1A/E2A**

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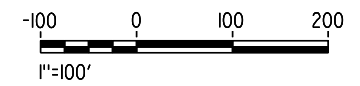
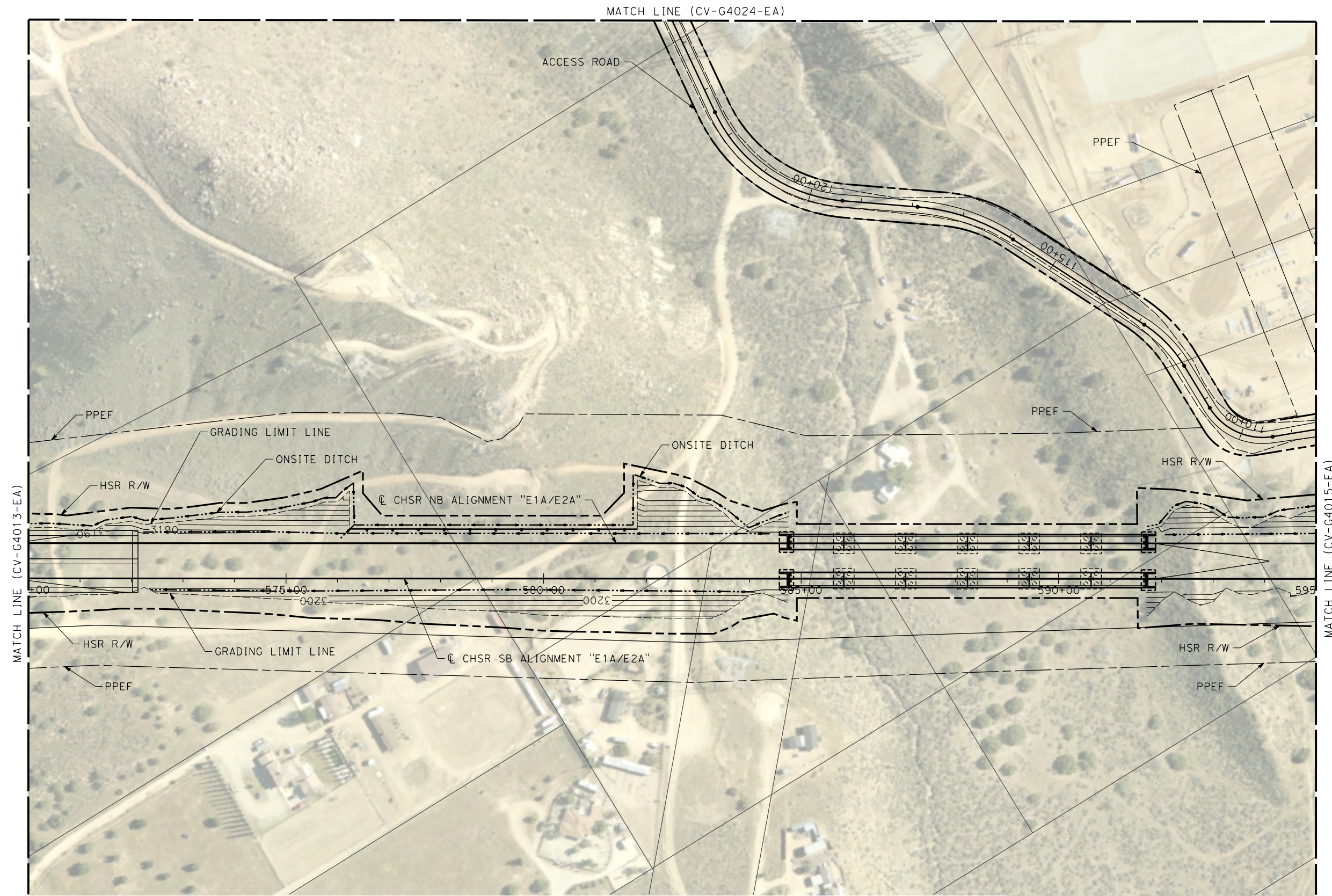


**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "E1A/E2A"

GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
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SCALE
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 DRAWN BY
F. VASQUEZ
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**PEPD RECORD SET
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 SR14A/E1A/E2A**

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**CALIFORNIA HIGH-SPEED RAIL PROJECT
 PALMDALE TO BURBANK
 ALIGNMENT "E1A/E2A"**

GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42

DRAWING NO.
CV-G4014-EA

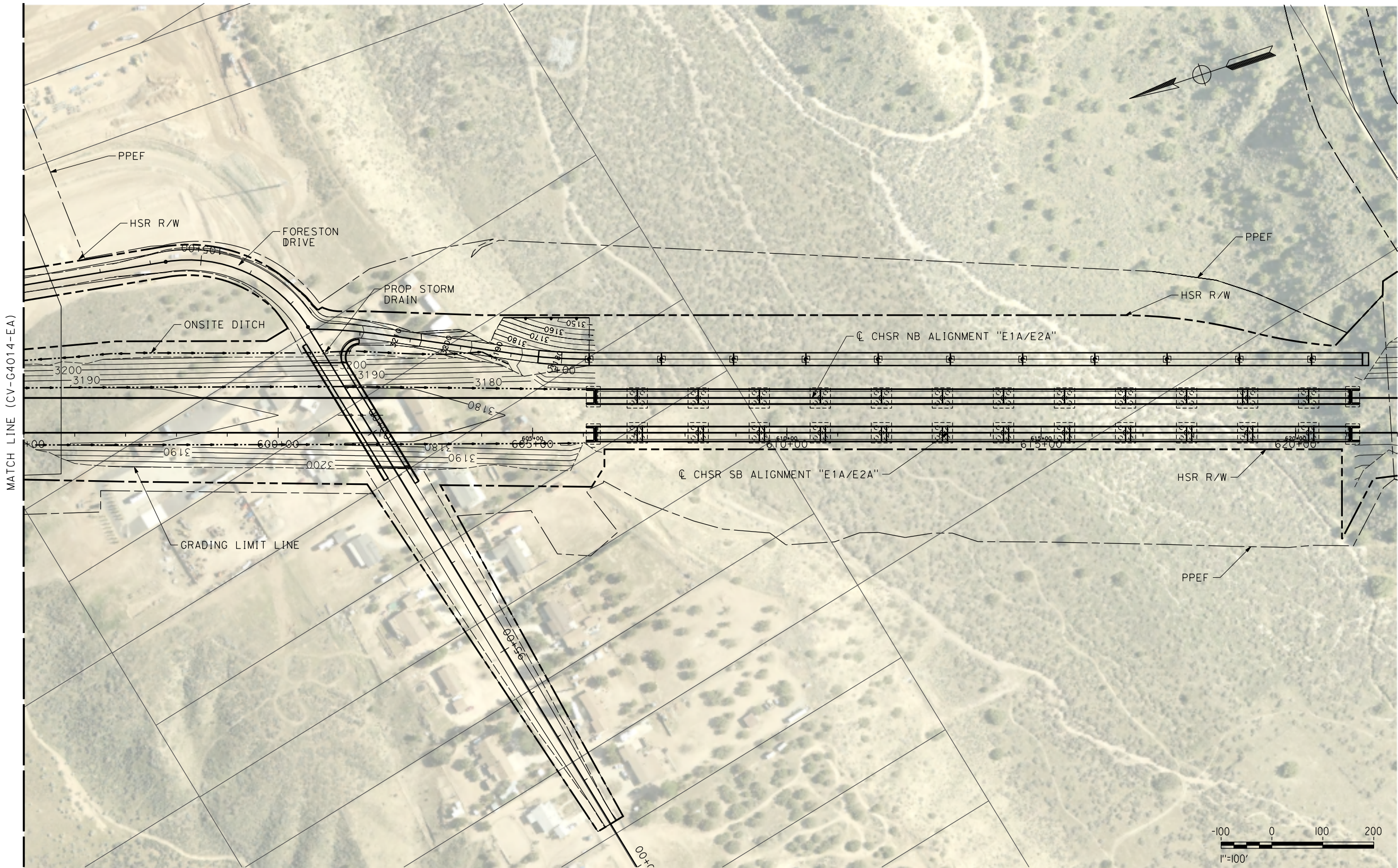
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
08/04/2020

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"**

GRADING AND DRAINAGE PLAN

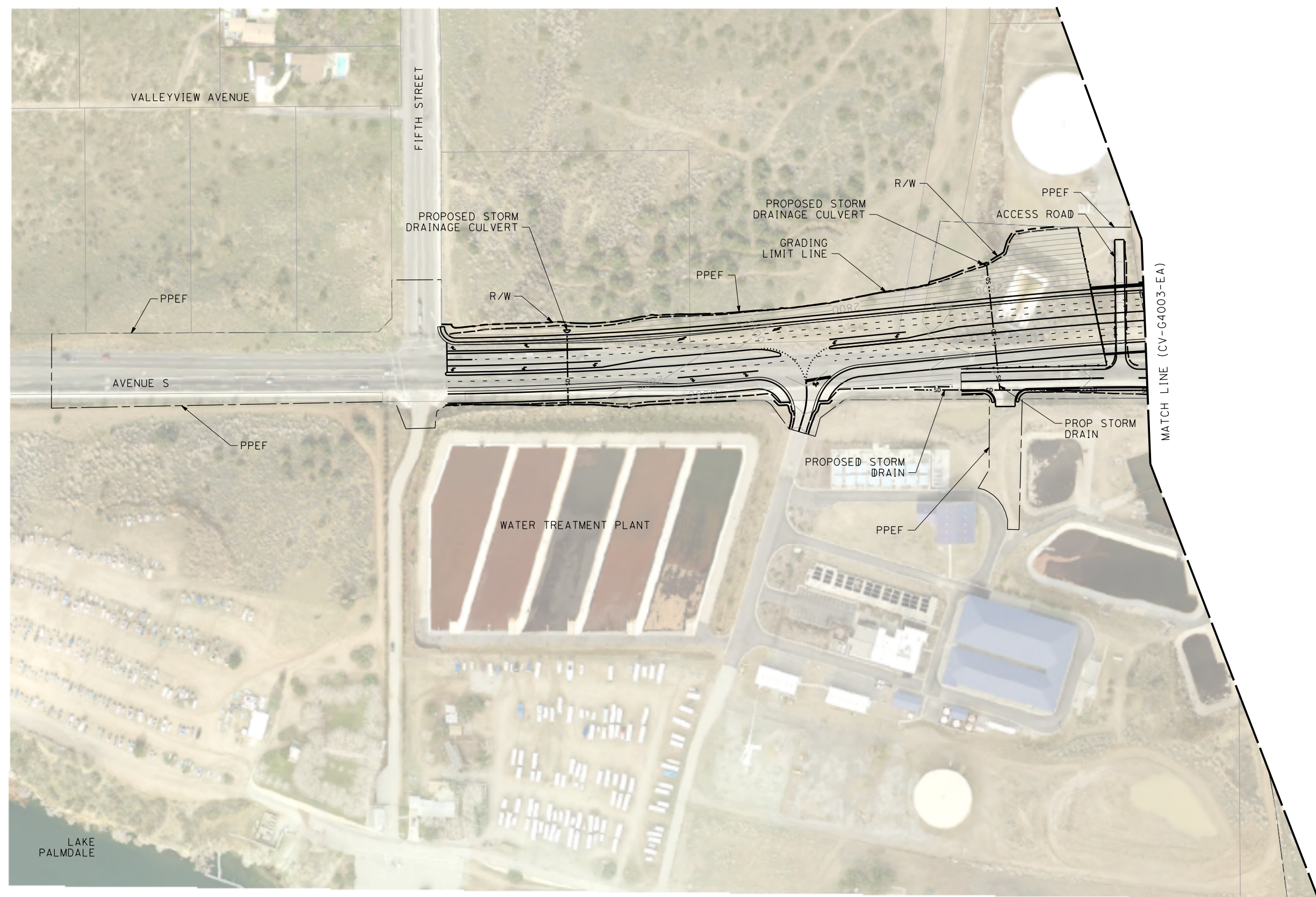
CONTRACT NO.
HSR14-42

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SCALE
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
 DRAWN BY
F. VASQUEZ
 CHECKED BY
R. RODRIGUEZ
 IN CHARGE
A. RELANO
 DATE
02/26/2021

**PEPD RECORD SET
 ADDENDUM
 SR14A/E1A/E2A**
**NOT FOR
 CONSTRUCTION**



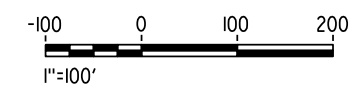
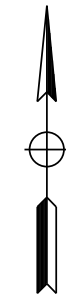
**CALIFORNIA HIGH-SPEED RAIL PROJECT
 PALMDALE TO BURBANK**
 ALIGNMENT "E1A/E2A"
 GRADING AND DRAINAGE PLAN

CONTRACT NO.
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CV-G4021-EA
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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK**
ALIGNMENT "E1A/E2A"

GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
DRAWING NO.
CV-G4022-EA
SCALE
AS SHOWN
SHEET NO.

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0400074



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
DRAWN BY
F. VASQUEZ
CHECKED BY
R. RODRIGUEZ
IN CHARGE
A. RELANO
DATE
02/26/2021

**PEPD RECORD SET
ADDENDUM
SR14A/E1A/E2A**

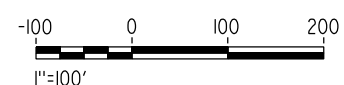
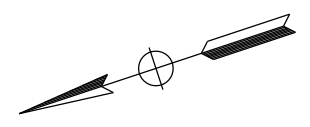
**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
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SCALE
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MATCH LINE (CV-G4014-EA)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
C. DIMARIO
 DRAWN BY
F. VASQUEZ
 CHECKED BY
R. RODRIGUEZ
 IN CHARGE
A. RELANO
 DATE
02/26/2021

**PEPD RECORD SET
 ADDENDUM
 SR14A/E1A/E2A**
**NOT FOR
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED RAIL PROJECT
 PALMDALE TO BURBANK**
 ALIGNMENT "E1A/E2A"
 GRADING AND DRAINAGE PLAN

CONTRACT NO.
HSR14-42
 DRAWING NO.
CV-G4024-EA
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AS SHOWN
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