

# CALIFORNIA HIGH-SPEED TRAIN

## Engineering Plans

### Burbank to Los Angeles

Volume 3

General & Grade Separations

April 2019

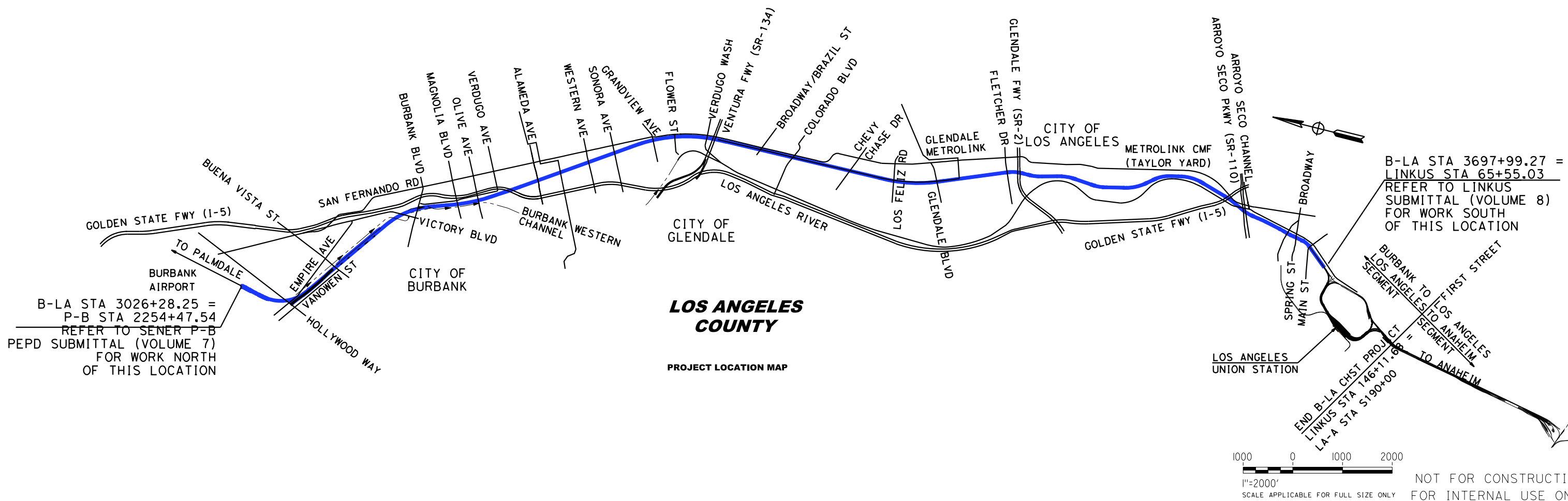




CALIFORNIA HIGH-SPEED RAIL AUTHORITY

PRELIMINARY ENGINEERING FOR PROJECT DEFINITION (PEPD) CALIFORNIA HIGH-SPEED TRAIN PROJECT VALLEY/RIVER SUBDIVISION BURBANK TO LOS ANGELES VOLUME 3

GENERAL & GRADE SEPARATIONS



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REV	DATE	BY	CHK	APP	DESCRIPTION

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**04/30/2019**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**

**BURBANK TO LOS ANGELES**

PEPD  
VOLUME 3  
PROJECT LOCATION MAP

CONTRACT NO.  
HSR14-39

DRAWING NO.  
GE-A0301

SCALE  
NO SCALE

SHEET NO.





**VOLUME 3 - GENERAL & GRADE SEPARATIONS**

<b>GENERAL</b>	
DRAWING NO.	DRAWING TITLE
GE-A0300	COVER SHEET - VOLUME 3
GE-A0301	PROJECT LOCATION MAP - VOLUME 3
GE-A0310	INDEX OF VOLUMES
GE-A0311	INDEX OF DRAWINGS VOLUME 3 - SHEET 1 OF 3
GE-A0312	INDEX OF DRAWINGS VOLUME 3 - SHEET 2 OF 3
GE-A0313	INDEX OF DRAWINGS VOLUME 3 - SHEET 3 OF 3
GE-D0301	VOLUME 3 - KEY MAP GRADE SEPARATIONS SHEET 1 OF 2
GE-D0302	VOLUME 3 - KEY MAP STRUCTURES SHEET 2 OF 2
GE-B0301	BASIS OF DESIGN SUMMARY
GE-C0301	ACRONYMS AND ABBREVIATIONS - SHEET 1 OF 5
GE-C0302	ACRONYMS AND ABBREVIATIONS - SHEET 2 OF 5
GE-C0303	ACRONYMS AND ABBREVIATIONS - SHEET 3 OF 5
GE-C0304	ACRONYMS AND ABBREVIATIONS - SHEET 4 OF 5
GE-C0305	ACRONYMS AND ABBREVIATIONS - SHEET 5 OF 5
GE-C0311	SYMBOLS - SHEET 1 OF 2
GE-C0312	SYMBOLS - SHEET 2 OF 2
GE-B0311	GENERAL NOTES
GE-D6301	TRACK SCHEMATIC

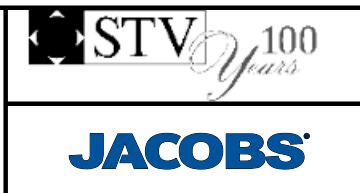
<b>GRADE SEPARATIONS</b>	
DRAWING NO.	DRAWING TITLE
CV-T0021	GRADE SEPARATION - VANOWEN ST/BUENA VISTA RD GRADE CROSSING ORIENTATION MAP
CV-T1021	ROADWAY REALIGNMENT - VANOWEN ST INTERIM ROAD REALIGNMENT PLAN
CV-T1022	GRADE CROSSING REALIGNMENT - BUENA VISTA RD GRADE CROSSING PLAN
CV-T1021A	ROADWAY REALIGNMENT - VANOWEN ST FINAL ROAD REALIGNMENT PLAN
CV-T1022A	ROADWAY/CROSSING REALIGNMENT - VANOWEN ST/BUENA VISTA RD FINAL ROADWAY/GRADE CROSSING PLAN
CV-T1023	GRADE CROSSING REALIGNMENT - BUENA VISTA RD GRADE CROSSING PROFILE
CV-T1024	INTERIM ROAD REALIGNMENT - VANOWEN ST IMPACT PLAN
CV-T1025	INTERIM ROAD REALIGNMENT - VANOWEN ST IMPACT PLAN
CV-T1026	INTERIM ROAD/CROSSING REALIGNMENT - VANOWEN ST/BUENA VISTA RD IMPACT PLAN
CV-T1024A	FINAL ROAD REALIGNMENT - VANOWEN ST IMPACT PLAN
CV-T1025A	FINAL ROAD REALIGNMENT - VANOWEN ST IMPACT PLAN
CV-T1026A	FINAL ROAD/CROSSING REALIGNMENT - VANOWEN ST/BUENA VISTA RD IMPACT PLAN
CV-T3021	ROADWAY REALIGNMENT - VANOWEN ST CROSS SECTION
CV-T3022	ROADWAY REALIGNMENT - VANOWEN ST CROSS SECTION
CV-T3023	GRADE CROSSING - BUENA VISTA RD CROSS SECTION
ST-K1021	GRADE CROSSING - BUENA VISTA OVERPASS GENERAL PLAN
CV-T0031	GRADE SEPARATION - VICTORY PL UNDERPASS ORIENTATION MAP
CV-T1031	GRADE SEPARATION - VICTORY PL UNDERPASS PLAN
CV-T1032	GRADE SEPARATION - VICTORY PL UNDERPASS PROFILE
CV-T1033	GRADE SEPARATION - VICTORY PL UNDERPASS IMPACT PLAN
CV-T3031	GRADE SEPARATION - VICTORY PL UNDERPASS CROSS-SECTION
ST-K1031	GRADE SEPARATION - VICTORY PL UNDERPASS GENERAL PLAN SHEET 1 OF 1
CV-T0041	GRADE SEPARATION - BURBANK BLVD OVERPASS ORIENTATION MAP
CV-T1041	GRADE SEPARATION - BURBANK BLVD OVERPASS PLAN
CV-T1042	GRADE SEPARATION - BURBANK BLVD OVERPASS PROFILE
CV-T1043	GRADE SEPARATION - BURBANK BLVD OVERPASS IMPACT PLAN
CV-T3041	GRADE SEPARATION - BURBANK BLVD OVERPASS CROSS-SECTION
ST-K1041	GRADE SEPARATION - BURBANK BLVD OVERPASS GENERAL PLAN - SHEET 1 OF 2
ST-K1042	GRADE SEPARATION - BURBANK BLVD OVERPASS GENERAL PLAN - SHEET 2 OF 2
CV-T0051	TRACK ACCESS - S FLOWER ST EXTENSION ORIENTATION MAP
CV-T1051	TRACK ACCESS - S FLOWER ST EXTENSION PLAN
CV-T1052	TRACK ACCESS - S FLOWER ST EXTENSION PROFILE
CV-T1053	TRACK ACCESS - S FLOWER ST EXTENSION IMPACT PLAN
CV-T3051	TRACK ACCESS - S FLOWER ST EXTENSION CROSS-SECTION
CV-T0061	GRADE SEPARATION - ALAMEDA AVE UNDERPASS CROSS-SECTION
CV-T1061	GRADE SEPARATION - ALAMEDA AVE UNDERPASS GENERAL PLAN SHEET 1 OF 2
CV-T1062	GRADE SEPARATION - ALAMEDA AVE UNDERPASS GENERAL PLAN SHEET 2 OF 2

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**  
  
PEPD  
INDEX OF DRAWINGS  
VOLUME 3 - SHEET 1 OF 3

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
GE-A0311  
SCALE  
NO SCALE  
SHEET NO.



**VOLUME 3 - GENERAL, GRADE SEPARATIONS, & ROADWAY IMPROVEMENTS**

**GRADE SEPARATIONS**

DRAWING NO.	DRAWING TITLE
CV-T1063	GRADE SEPARATION - ALAMEDA AVE UNDERPASS ORIENTATION MAP
CV-T3061	GRADE SEPARATION - ALAMEDA AVE UNDERPASS PLAN
ST-K1061	GRADE SEPARATION - ALAMEDA AVE UNDERPASS PROFILE
ST-K1062	GRADE SEPARATION - ALAMEDA AVE UNDERPASS IMPACT PLAN
CV-T0071	GRADE SEPARATION HYBRID - SONORA AVE UNDERPASS ORIENTATION MAP
CV-T1071	GRADE SEPARATION HYBRID - SONORA AVE UNDERPASS PLAN
CV-T1072	GRADE SEPARATION HYBRID - SONORA AVE UNDERPASS PROFILE
CV-T1073	GRADE SEPARATION HYBRID - SONORA AVE UNDERPASS IMPACT PLAN
CV-T3071	GRADE SEPARATION HYBRID - SONORA AVE UNDERPASS CROSS-SECTION
ST-K1071	GRADE SEPARATION HYBRID - SONORA AVE UNDERPASS GENERAL PLAN
CV-T0081	GRADE SEPARATION HYBRID - GRANDVIEW AVE UNDERPASS ORIENTATION MAP
CV-T1081	GRADE SEPARATION HYBRID - GRANDVIEW AVE UNDERPASS PLAN
CV-T1082	GRADE SEPARATION HYBRID - GRANDVIEW AVE UNDERPASS PROFILE
CV-T1083	GRADE SEPARATION HYBRID - GRANDVIEW AVE UNDERPASS IMPACT PLAN
CV-T3081	GRADE SEPARATION HYBRID - GRANDVIEW AVE UNDERPASS CROSS-SECTION
ST-K1081	GRADE SEPARATION HYBRID - GRANDVIEW AVE UNDERPASS GENERAL PLAN - SHEET 1 OF 2
ST-K1082	GRADE SEPARATION HYBRID - GRANDVIEW AVE UNDERPASS GENERAL PLAN - SHEET 2 OF 2
CV-T0091	GRADE SEPARATION HYBRID - FLOWER ST UNDERPASS ORIENTATION MAP
CV-T1091	GRADE SEPARATION HYBRID - FLOWER ST UNDERPASS PLAN
CV-T1092	GRADE SEPARATION HYBRID - FLOWER ST UNDERPASS PROFILE
CV-T1093	GRADE SEPARATION HYBRID - FLOWER ST UNDERPASS IMPACT PLAN
CV-T3091	GRADE SEPARATION HYBRID - FLOWER ST UNDERPASS CROSS-SECTION
ST-K1091	GRADE SEPARATION HYBRID - FLOWER ST UNDERPASS GENERAL PLAN - SHEET 1 OF 1
CV-T0101	GRADE SEPARATION - COLORADO ST UNDERPASS ORIENTATION MAP
CV-T1101	GRADE SEPARATION - COLORADO ST UNDERPASS PLAN
CV-T1102	GRADE SEPARATION - COLORADO ST UNDERPASS PROFILE
CV-T1103	GRADE SEPARATION - COLORADO ST UNDERPASS IMPACT PLAN - SHEET 1 OF 2
CV-T3101	GRADE SEPARATION - COLORADO ST UNDERPASS IMPACT PLAN - SHEET 2 OF 2
ST-K1101	GRADE SEPARATION - COLORADO ST UNDERPASS GENERAL PLAN - SHEET 1 OF 2
ST-K3101	GRADE SEPARATION - COLORADO ST UNDERPASS GENERAL PLAN - SHEET 2 OF 2
CV-T0111	GRADE SEPARATION - GOODWIN AVE / CHEVY CHASE DR UNDERPASS ORIENTATION MAP
CV-T1111	GRADE SEPARATION - GOODWIN AVE / CHEVY CHASE DR UNDERPASS PLAN
CV-T1112	GRADE SEPARATION - GOODWIN AVE UNDERPASS PROFILE
CV-T1113	GRADE SEPARATION - GOODWIN AVE UNDERPASS IMPACT PLAN - SHEET 1 OF 2
CV-T1114	GRADE SEPARATION - GOODWIN AVE UNDERPASS IMPACT PLAN - SHEET 2 OF 2
CV-T1115	GRADE SEPARATION - CHEVY CHASE DR PED CROSSING IMPACT PLAN SHEET 1 OF 1
CV-T3111	GRADE SEPARATION - GOODWIN AVE UNDERPASS CROSS-SECTION

**GRADE SEPARATIONS**

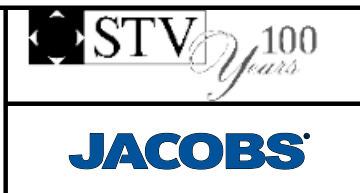
DRAWING NO.	DRAWING TITLE
CV-T3112	GRADE SEPARATION - CHEVY CHASE DR PED CROSSING CROSS-SECTION
ST-K1111	GRADE SEPARATION - GOODWIN AVE UNDERPASS GENERAL PLAN - SHEET 1 OF 1
ST-K1112	GRADE SEPARATION - ALGER STREET OVERPASS GENERAL PLAN - SHEET 1 OF 1
ST-K1113	GRADE SEPARATION - CHEVY CHASE DR PED CROSSING - SHEET 1 OF 2
ST-K3113	GRADE SEPARATION - CHEVY CHASE DR PED CROSSING - SHEET 2 OF 2
CV-T0121	GRADE SEPARATION - LOS FELIZ BLVD UNDERPASS ORIENTATION MAP
CV-T1121	GRADE SEPARATION - LOS FELIZ BLVD UNDERPASS PLAN
CV-T1122	GRADE SEPARATION - LOS FELIZ BLVD UNDERPASS PROFILE
CV-T1123	GRADE SEPARATION - LOS FELIZ BLVD UNDERPASS IMPACT PLAN
CV-T3121	GRADE SEPARATION - LOS FELIZ BLVD UNDERPASS CROSS-SECTION
ST-K1121	GRADE SEPARATION - LOS FELIZ BLVD UNDERPASS GENERAL PLAN - SHEET 1 OF 2
CV-T0131	GRADE SEPARATION - GLENDALE BLVD UNDERPASS ORIENTATION MAP
CV-T1131	GRADE SEPARATION - GLENDALE BLVD UNDERPASS PLAN
CV-T1132	GRADE SEPARATION - GLENDALE BLVD UNDERPASS PROFILE
CV-T1133	GRADE SEPARATION - GLENDALE BLVD UNDERPASS IMPACT PLAN
CV-T3131	GRADE SEPARATION - GLENDALE BLVD UNDERPASS CROSS-SECTION
ST-K1131	GRADE SEPARATION - GLENDALE BLVD UNDERPASS GENERAL PLAN - SHEET 1 OF 1
CV-T0141	GRADE SEPARATION - KERR ROAD (CMF ACCESS) UNDERPASS ORIENTATION MAP
CV-T1141	GRADE SEPARATION - KERR ROAD (CMF ACCESS) UNDERPASS PLAN - SHEET 1 OF 2
CV-T1142	GRADE SEPARATION - CMF ACCESS UNDERPASS PLAN - SHEET 2 OF 2
CV-T1143	GRADE SEPARATION - KERR ROAD/CMF ACCESS UNDERPASS PROFILE
CV-T1144	GRADE SEPARATION - KERR ROAD(CMF ACCESS) UNDERPASS IMPACT PLAN - SHEET 1 OF 3
CV-T1145	GRADE SEPARATION - CMF ACCESS UNDERPASS IMPACT PLAN - SHEET 2 OF 3
CV-T1146	GRADE SEPARATION - CMF ACCESS UNDERPASS IMPACT PLAN - SHEET 3 OF 3
CV-T3141	GRADE SEPARATION - CMF ACCESS UNDERPASS CROSS-SECTION
ST-K1141	GRADE SEPARATION - KERR ROAD UNDERPASS GENERAL PLAN - SHEET 1 OF 1
ST-K1142	GRADE SEPARATION - CMF ACCESS UNDERPASS GENERAL PLAN - SHEET 1 OF 2
ST-K3141	GRADE SEPARATION - CMF ACCESS UNDERPASS GENERAL PLAN - SHEET 2 OF 2
CV-T0151	GRADE SEPARATION - MAIN ST OVERPASS ORIENTATION MAP
CV-T1151	GRADE SEPARATION - MAIN ST OVERPASS PLAN
CV-T1152	GRADE SEPARATION - MAIN ST OVERPASS PROFILE

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**  
  
PEPD  
INDEX OF DRAWINGS  
VOLUME 3 - SHEET 2 OF 3

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
GE-A0312  
SCALE  
NO SCALE  
SHEET NO.

**VOLUME 3 - GENERAL, GRADE SEPARATIONS, & ROADWAY IMPROVEMENTS**

**GRADE SEPARATIONS**

DRAWING NO.	DRAWING TITLE
CV-T1153	GRADE SEPARATION - MAIN ST OVERPASS IMPACT PLAN - SHEET 1 OF 4
CV-T1154	GRADE SEPARATION - MAIN ST OVERPASS IMPACT PLAN - SHEET 2 OF 4
CV-T1155	GRADE SEPARATION - MAIN ST OVERPASS IMPACT PLAN - SHEET 3 OF 4
CV-T1156	GRADE SEPARATION - MAIN ST OVERPASS IMPACT PLAN - SHEET 4 OF 4
CV-T3151	GRADE SEPARATION - MAIN ST OVERPASS CROSS-SECTION
ST-K1151	GRADE SEPARATION - MAIN ST OVERPASS GENERAL PLAN - SHEET 1 OF 2
ST-K3151	GRADE SEPARATION - MAIN ST OVERPASS GENERAL PLAN - SHEET 2 OF 2

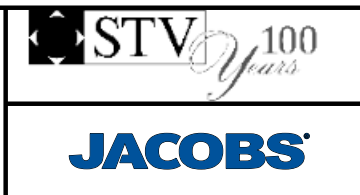
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
INDEX OF DRAWINGS  
VOLUME 3 - SHEET 3 OF 3

CONTRACT NO.  
HSR14-39  
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NO SCALE  
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BEGIN B-LA CHSR PROJECT  
 ALTERNATIVE E2 ALIGNMENT  
 STA 3026+28.25 =  
 P-B STA 2254+69.81  
 REFER TO SENER P-B PEPD SUBMITTAL (VOLUME 7)  
 FOR WORK NORTH OF THIS LOCATION

END B-LA CHSR PROJECT  
 HSR STA 3687+45.26 = LINKUS STA 54+32.87  
 REFER TO LINKUS SUBMITTAL (VOLUME 8)  
 FOR WORK SOUTH OF THIS LOCATION

BURBANK AIRPORT  
 STATION

BURBANK METROLINK  
 STATION

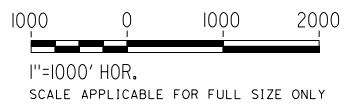
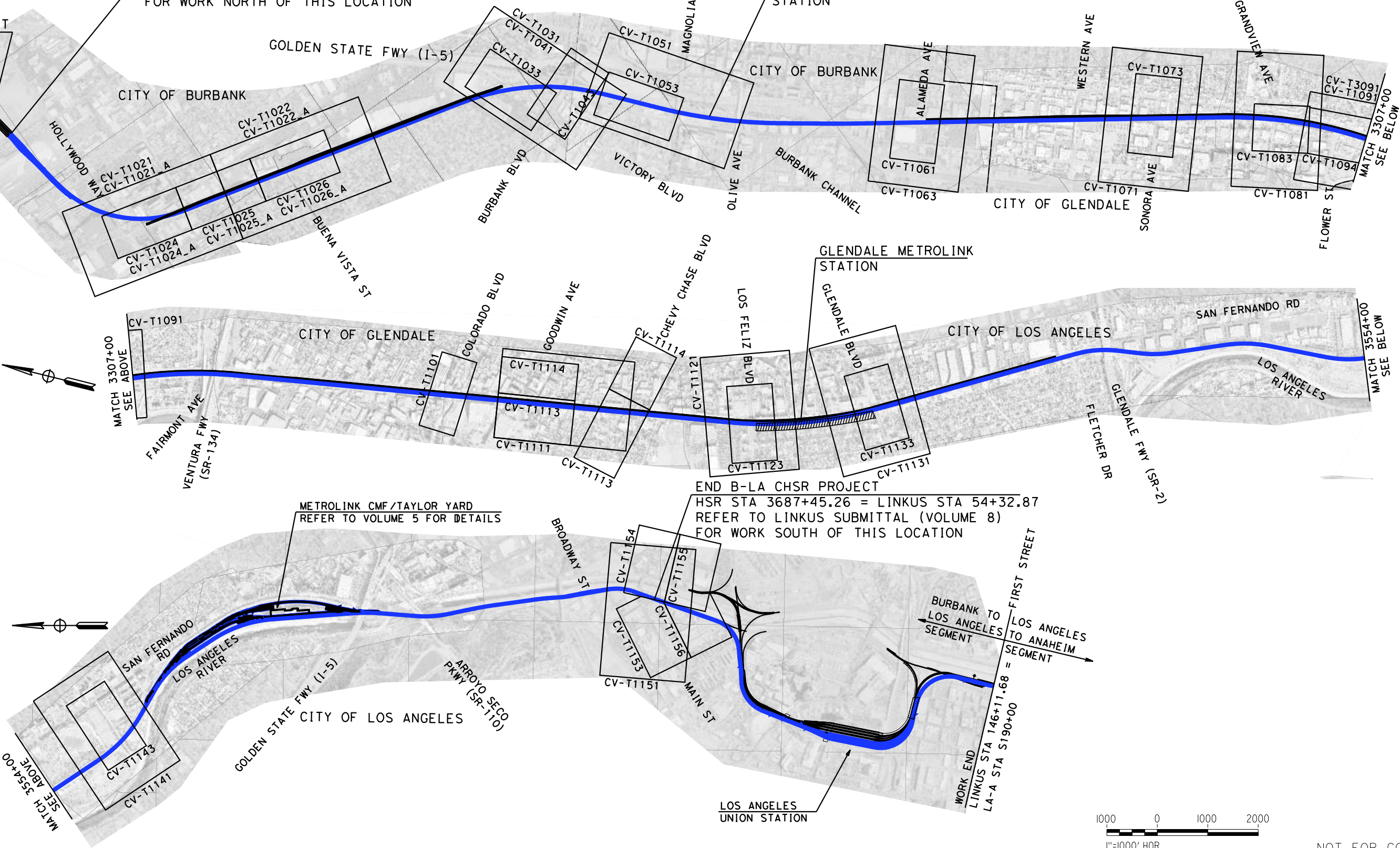
GLENDALE METROLINK  
 STATION

BURBANK TO  
 LOS ANGELES  
 SEGMENT

LOS ANGELES  
 TO ANAHEIM  
 SEGMENT

LOS ANGELES  
 UNION STATION

METROLINK CMF/TAYLOR YARD  
 REFER TO VOLUME 5 FOR DETAILS



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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
 VOLUME 3 - KEY MAP GRADE SEPARATIONS  
 SHEET 1 OF 2

CONTRACT NO.  
**HSR14-39**

DRAWING NO.  
**GE-D0301**

SCALE  
**AS SHOWN**

SHEET NO.



BURBANK AIRPORT  
HSR STATION

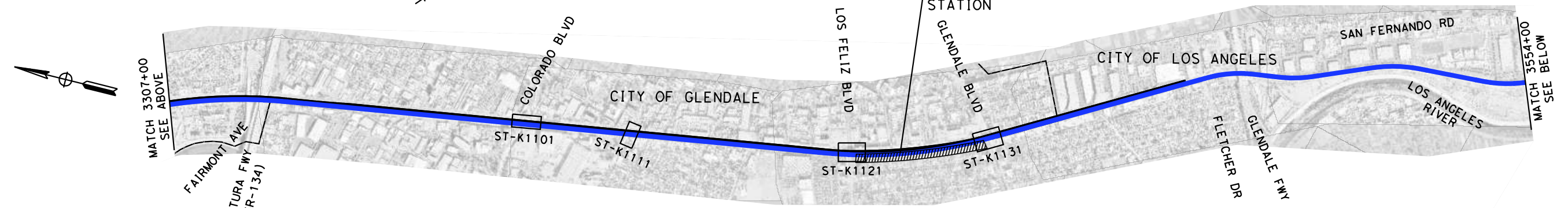
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REFER TO SENER P-B PEPD SUBMITTAL (VOLUME 7)  
FOR WORK NORTH OF THIS LOCATION

DOWNTOWN BURBANK  
METROLINK STATION

MAGNOLIA BLVD

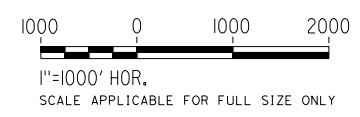


GLENDALE METROLINK  
STATION



END B-LA CHSR PROJECT  
HSR STA 3687+45.26 = LINKUS STA 54+32.87  
REFER TO LINKUS SUBMITTAL (VOLUME 8)  
FOR WORK SOUTH OF THIS LOCATION

METROLINK CMF/TAYLOR YARD  
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BURBANK TO LOS ANGELES**  
  
PEPD  
VOLUME 3 - KEY MAP STRUCTURES - SHEET 2 OF 2

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
GE-D0302  
SCALE  
AS SHOWN  
SHEET NO.





A

@ AADT AT
AB AGGREGATE BASE, ANCHOR BOLT
ABBC ASBESTOS BONDED BITUMINOUS COATED
ABM AIR-BLOWN MORTAR
ABN ABANDON
ABUT ABUTMENT
ABV ABOVE
AC ALTERNATING CURRENT, ASPHALT CONCRETE, ASPHALT CONCRETE BASE
ACB ASPHALT CONCRETE BASE
ACMB AC DISTRIBUTION PANEL MAIN BREAKER
ACOUS ACOUSTICAL
ACP ASBESTOS CEMENT PIPE
ACR ACCESS CONTROL ROOM
ACSR ALUMINUM CONDUCTOR STEEL REINFORCED
AD AREA DRAIN
ADJ ADJACENT, ADJUST, ADJUSTABLE
ADL ADDED DEAD LOAD
ADP AC DISTRIBUTION PANEL
ADT AVERAGE DAILY TRAFFIC
A&E ARCHITECTURAL AND ENGINEERING
AEC AERIAL EARTH (GROUND) CONDUCTOR
AED AUTOMATED EXTERNAL DEFIBRILLATOR
AFC AUTOMATIC FARE COLLECTION
AFES ALTERNATIVE FLARED END SECTION
A/G AT-GRADE
AGW AERIAL GROUND WIRE
AHD AHEAD
AL ALUMINUM
ALIGN ALIGNMENT
ALT ALTERNATE
AM ANTE MERIDIEM (TIME FROM MIDNIGHT TO NOON)
ANC ANCHOR
ANI AUTOMATIC NUMBER IDENTIFICATION
ANN ANNUNCIATOR
ANS AMBIENT NOISE SENSOR
AP ALTERNATIVE PIPE
APC ALTERNATIVE PIPE CULVERT
APE AREA OF POTENTIAL EFFECTS
APEFZ ALOQUIST-PRIOLO EARTHQUAKE FAULT ZONE
API APPLICATION PROGRAMMING INTERFACE
APPROX APPROXIMATE
APU ALTERNATIVE PIPE UNDERDRAIN
AR ACCESS RESTRICTION
ARCH ARCHITECTURAL
ARS ACCELERATION RESPONSE SPECTRUM
AS AGGREGATE SUBBASE
ASPH ASPHALT
ASRP ALUMINUM SPIRAL RIB PIPE
ASSY ASSEMBLY
AT AUTOTRANSFORMER, AUTOMATIC TENSION
ATC AUTOMATIC TRAIN CONTROL
ATEL ADMINISTRATIVE TELEPHONE
ATM ALONG TRACK MOVEMENT, AUTOMATED TELLER MACHINE
ATO AUTOMATIC TRAIN OPERATION
ATP AUTOMATIC TRAIN PROTECTION
ATPB ASPHALT TREATED PERMEABLE BASE
ATPM ASPHALT TREATED PERMEABLE MATERIAL
ATR ABOVE TOP OF RAIL
ATS AUTOMATIC TRAIN SUPERVISION, AUTO TENSIONED SYSTEM
AUX AUXILIARY
AVE AVENUE
AVG AVERAGE
AVL AUTOMATIC VEHICLE LOCATION
AWG AMERICAN WIRE GAUGE

B

BAGR BRIDGE APPROACH GUARD RAILING
BAR BARRIER
BAT BATTERY
BB BEGINNING OF BRIDGE
B-B BACK-TO-BACK
BC BEGINNING OF CURVE, BOLT CIRCLE
BCR BEGIN CURB RETURN
BD BOARD
BDA BI-DIRECTIONAL AMPLIFIER

B CONTINUED

BDD BRIDGE DESIGN DETAILS (CALTRANS)
BDP BRIDGE DESIGN PRACTICE (CALTRANS)
BDS BRIDGE DESIGN SPECIFICATIONS (CALTRANS)
BEC BURIED EARTH (GROUND) CONDUCTOR
BEG BEGIN
BFA BYPASS FEEDER ANCHOR
BIL BASIC IMPULSE INSULATION LEVEL
BITUM BITUMINOUS
BKLN BIKE LANE
BK BACK
BKF BACKFILL
BKR BREAKER
BL BASELINE
BLDG BUILDING
BLKG BLOCKING
BLM BRIDGE-LOG MILE
BLST BALLAST
BLVD BOULEVARD
BM BENCHMARK
BN BACKBONE NETWORK
BND BOUND
BOC BOTTOM OF CURB
BOCC BACK-UP OPERATIONAL CONTROL CENTER
BOS BOTTOM OF SLOPE
BOT BOTTOM
BOW BOTTOM OF WALL
BR BRIDGE, BRIDGE CURVE
BRG BEARING
BRKT BRACKET
BRS BROADBAND RADIO SYSTEM
BRT BUS RAPID TRANSIT
BS BODY SPAN WIRE
BSC BASE STATION CONTROLLER
B/SPAN BODY SPAN
BT BUS TIE
BTM BOTTOM
BTS BASE TRANSCEIVER STATION
BTWN BETWEEN
BVC BEGINNING OF VERTICAL CURVE
BW BARBED WIRE, BALANCE WEIGHT, BLACK AND WHITE
B/W BALANCE WEIGHT ANCHOR
BWA BROADBAND WIRELESS LOCAL AREA NETWORK
BZ BRONZE

C

C CLOSE, CONDUIT, CONTACT, CONTROL
CA CERTIFICATION ACCEPTANCE
CAA CABLE ANCHOR ASSEMBLY
CAB CABINET
CADDD COMPUTER-AIDED DESIGN AND DRAFTING
CAH CONTROLLED ACCESS HIGHWAY
CAI CUSTOMER ASSISTANCE INTERCOM
CALP CORRUGATED ALUMINUM PIPE
CANT CANTILEVER
CAP CAPACITY, CAPACITOR, CORRUGATED ALUMINUM PIPE
CAPA CORRUGATED ALUMINUM PIPE ARCH
CAS CONSTRUCTION AREA SIGN
CAT CATEGORY, SPECIFICATION FOR TWISTED PAIR CABLING
CATF CANTENARY FOUNDATION
CATP CANTENARY POLE
CB CATCH BASIN, CIRCUIT BREAKER, CONCRETE BARRIER
CBTC COMMUNICATIONS BASED TRAIN CONTROL
CBW CONCRETE BLOCK WALL
C&C CUT AND COVER
C-C CENTERLINE TO CENTERLINE, CENTER TO CENTER
CCO CONTRACT CHANGE ORDER
CCS CALIFORNIA COORDINATE SYSTEM
CCTV CLOSED CIRCUIT TELEVISION
CCVT COUPLING CAPACITOR VOLTAGE TRANSFORMER
CEG CERTIFIED ENGINEERING GEOLOGIST
CEM CEMENT
CER COMMUNICATIONS EQUIPMENT ROOM
C&G CURB AND GUTTER

C CONTINUED

CG CENTER OF GRAVITY
CGS CALIFORNIA GEOLOGICAL SURVEY
CHNL CHANNEL
CI CAST IRON
CIC COMMUNICATIONS INTERFACE CABINET
CIDH CAST-IN-DRILLED-HOLE
CIF COMMON INTERMEDIATE FORMAT
CIP CAST IRON PIPE
C-I-P CAST-IN-PLACE
CIPCP CAST-IN-PLACE CONCRETE PIPE
CIS CUSTOMER INFORMATION SIGN
CISS CAST-IN-STEEL-SHELL
CJ CONSTRUCTION JOINT
CJP COMPLETE JOINT PENETRATION
CKT CIRCUIT
CL CLASS, CEMENT LINED
CL2 CLASS 2
CL-6 CHAIN LINK FENCE (6 FT)
CLG CEILING
CLK CHAIN LINK
CLKG CAULKING
CLO CLOSET
CLR CLEAR, CLEARANCE
CM CONTROL MODULE, CORRUGATED METAL
CMF CENTRAL MAINTENANCE FACILITY
CMP CORRUGATED METAL PIPE
CMU CONCRETE MASONRY UNIT
CNTR COUNTER
CO CLEANOUT, COUNTY
COL COLUMN
COMM COMMUNICATIONS
CONC CONCRETE
COND CONDUIT
CONN CONNECTOR, CONNECTION
CONST CONSTRUCT, CONSTRUCTION
CONT CONTINUOUS, CONTINUATION
CONTR CONTRACTOR
COORD COORDINATE
CORR CORRIDOR
CP CONTROL POINT
CPT CONE PENETRATION TEST, CONTROL POWER TRANSFORMER
CPU CENTRAL PROCESSING UNIT
CR CREEK, CONDUIT RISER
CRC COMBINED RELAY AND CONTROL PANEL
CRCP CONTINUOUS REINFORCED CONCRETE PAVEMENT
CRSP CONCRETED ROCK SLOPE PROTECTION
CRZ CLEAR RECOVERY ZONE
CS CONTROL SWITCH, CURVE TO SPIRAL
CSA CONSTRUCTION STAGING AREA
CSG CASING
CSP CORRUGATED STEEL PIPE
CSPA CORRUGATED STEEL PIPE ARCH
CT CERAMIC TILE, COURT, CURRENT TRANSFORMER/TRANSDUCER
CTB CEMENT TREATED BASE
CTPB CEMENT TREATED PERMEABLE BASE
CTR CEMENT TREATED PERMEABLE MATERIAL
CTSK CENTER
CTVT COUNTERSUNK
CTW COMBINED CURRENT TRANSFORMER AND VOLTAGE TRANSFORMER
CU COUNTER WEIGHT TAIL WIRE
CULV COPPER
CULV CULVERT
CVR COVER
CW CONTACT WIRE
CWA CONTACT WIRE ANCHOR
CWH CONTACT WIRE HEIGHT
CWR CONTINUOUSLY WELDED RAIL
CWT COUNTER WEIGHT
D DEPTH
DB DESIGN-BUILD
DBE DESIGN BASIS EARTHQUAKE

D

D CONTINUED

DBL DOUBLE
DC DIRECT CURRENT
DCMB DC DISTRIBUTION PANEL MAIN BREAKER
DCP DC DISTRIBUTION PANEL
DD DOWNDRAIN, DEVICE DRIVER
DE DEAD END
DEL DELINEATOR
DEMO DEMOLISH
DEPT DEPARTMENT
DET DETOUR
DF DIRECT FIXATION, DRINKING FOUNTAIN
DGA DOWN GUY ANCHOR
DHF DESIGN HOURLY VOLUME
DI DRAINAGE INLET
DIAG DIAGONAL
DIAPH DIAPHRAGM
DIFF DIFFERENTIAL
DIM DIMENSION
DIN DROP INLET
DIP DUCTILE IRON PIPE
DIR DIRECTION
DISC DISCONNECT
DISP DISPENSER
DIST DISTANCE
DISTR DISTRIBUTION
DMBB DOUBLE METAL BEAM BARRIER
DN DOWN
DNS DOMAIN NAME SYSTEM
DO DOOR OPENING
DPDT DOUBLE-POLE DOUBLE-THROW
DR DRIVE
DS DOWNSPOUT, DISCONNECT SWITCH
DSC DIFFERING SITE CONDITIONS
DSCW DIRECT SUSPENSION CONTACT WIRE
DSG DISCONNECT SWITCH GROUP
DSHA DETERMINISTIC SEISMIC HAZARD ANALYSIS
DST DISTRICT
DTBB DOUBLE THRIE BEAM BARRIER
DTM DIGITAL TERRAIN MODEL
DVR DIGITAL VIDEO RECORDERS
DWG DRAWING
DWY DRIVEWAY
DXO DOUBLE CROSSOVER

E

E0 APPLIED CANT
E1 UNBALANCED CANT
E2 EAST, EASTING
EA EACH
EB EASTBOUND, END OF BRIDGE
EC END HORIZONTAL CURVE, ELECTRICAL CONDUCTOR
ECR END CURB RETURN
EE EACH END
EF EACH FACE
EGS EMERGENCY GROUND SWITCH
EHS EXTRA HIGH STRENGTH
EI EMERGENCY INTERCOM
EJ EXPANSION JOINT
E-LAN ETHERNET LAN
ELAST ELASTOMERIC
ELEC ELECTRICAL, ELECTRIC
ELECTROLIER ELECTROLIER
ELEV ELEVATION
ELOCK ELECTRONIC LOCK
EMB EMBANKMENT
EMC ELECTROMAGNETIC COMPATIBILITY
EMER EMERGENCY
EMF ELECTROMAGNETIC FIELD
EMI ELECTROMAGNETIC INTERFERENCE
EMS ELEMENT MANAGEMENT SYSTEM
EMU ELECTRIC MULTIPLE UNIT
ENCL ENCLOSURE

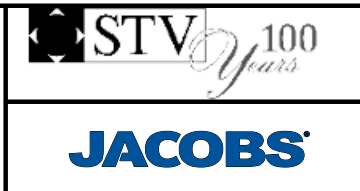
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Table with columns: REV, DATE, BY, CHK, APP, DESCRIPTION

Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, IN CHARGE, DATE

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CALIFORNIA HIGH-SPEED TRAIN PROJECT BURBANK TO LOS ANGELES
PEPD ACRONYMS AND ABBREVIATIONS SHEET 1 OF 5

Table with columns: CONTRACT NO., DRAWING NO., SCALE, SHEET NO.



E CONTINUED

F CONTINUED

H CONTINUED

L CONTINUED

ENGR ENGINEER, ENGINEERING
EOB END OF BRIDGE
EOD EDGE OF DECK
EOS ELECTRICAL OPERATED BRIDGE
EOW END OF WALL
EP EDGE OF PAVEMENT
EPBM EARTH PRESSURE BALANCING MACHINE
EPR ETHYLENE PROPYLENE RUBBER
EQ EQUAL, EQUILATERAL
EQN EQUATION
EQUIP EQUIPMENT
ES EDGE OF SHOULDER, EXTRA STRENGTH, ELECTRICAL SECTION
ESA ENVIRONMENTALLY SENSITIVE AREA
ESC ESCALATOR
ESEW EMERGENCY SHOWER / EYE WASH
ESMT EASEMENT
ETCS EUROPEAN TRAIN CONTROL SYSTEM
ETEL EMERGENCY TELEPHONE
ETS EMERGENCY TRIP SYSTEM
ETW EDGE OF TRAVELED WAY
EVC END VERTICAL CURVE
EW EACH WAY, ENDWALL
EXC EXCAVATION
EXIST EXISTING
EXP EXPANSION
EXPO EXPOSED
EXWY EXPRESSWAY
EXT EXTERIOR, EXTENSION

FS FINISHED SURFACE
FTEL FIRE TELEPHONE
FTG FOOTING
FTP FILE TRANSFER PROTOCOL
FTW FIXED END TAIL WIRE
FUT FUTURE
FW FEEDER WIRE
FWY FREEWAY
G1 ENTRANCE GRADE, GRADE BEFORE CURVE
G2 EXIT GRADE, GRADE POST CURVE
GALV GALVANIZED
GCL GRADING CONTROL LINE
GD GRADE
GHS GALVANIZED HIGH STRENGTH
GI GENERAL INFORMATION
GIGE GIGABIT ETHERNET
GIS GAS INSULATED SWITCH, GEOGRAPHIC INFORMATION SYSTEM
GL GLASS
G/L GROUND LINE
GMA GROUND MOTION ANALYSIS
GND GROUND
GO-95 PUC GENERAL ORDER 95
GP GRADING PLANE
GPS GLOBAL POSITIONING SYSTEM
GR GUARDRAIL, GROUND ROD
GRP GLASS REINFORCED PLASTIC ROD
GRS GALVANIZED RIGID STEEL
GRX GRADE CROSSING
GSHA GEOLOGIC AND SEISMIC HAZARDS ANALYSIS
GSP GALVANIZED STEEL PIPE
GT GENERAL INFORMATION
GTGM GEOTECHNICAL TECHNICAL GUIDANCE MANUAL (FHWA)
GTR GUTTER
GW GUY WIRE
GYP GYPSUM
GYPBD GYPSUM BOARD

HWY HIGHWAY
I IMPENANCE BOND
IBC INTERNATIONAL BUILDING CODE
IDS INTRUSION DETECTION CODE
IIMP INTERGRATED INFORMATION MANAGEMENT PLATFORM
IJ INSULATED JOINT
IJP INSULATED JOINT PLUG
INSR INSULATOR
INST INSTANTANEOUS
INSUL INSULATION
INT INTERIOR
Inter-LATA INTER-LOCAL ACCESS AND TRANSPORT AREA
INV INVERT
I/O INPUT/OUTPUT
IR IN-RUNNING (RIDING CONTACT WIRE)
IRR IRRIGATION
I/S IN-SPAN
I/SJ IN-SPAN JUMPER

LWP LOWER WORKING POINT
M CONVENTIONAL RAILWAY TRACK
M MEDIUM LOADING
MAINT MAINTENANCE
MAT MATERIAL
MAX MAXIMUM
MB METAL BEAM
MBB METAL BEAM BARRIER
MBGR METAL BEAM GUARD RAILING
MCC MAINTENANCE CONTROL CENTER
MCE MAXIMUM CONSIDERED EARTHQUAKE
MCR MASTER CONTROL ROOM
MDS MOBILE DATA SYSTEM
MECH MECHANICAL
MED MEDIAN
MEM MEMBRANE
MESSGR MESSENGER WIRE
MET METAL
MFR MANUFACTURER
MH MANHOLE
MHHW MEAN HIGHEST HIGH WATER
MI MILD IRON
MIN MINIMUM
MISC MISCELLANEOUS
MKR MARKER
ML MAIN LINE
MLLW MEAN LOWER LOW WATER
MMIS MAINTENANCE MANAGEMENT INFORMATION SYSTEM
MO MASONRY OPENING
MOC MOTOR OPERATED CONTRACTOR
MOD MODIFIED, MODIFY
MODC MOTOR OPERATED DISCONNECT SWITCH
MOI MAINTENANCE OF INFRASTRUCTURE
MON MONUMENT
MOP MOTOR OPERATED
MOS MANUALLY OPERATED SWITCH
MOV METAL-OXIDE VARISTOR
MOW MAINTENANCE OF WAY
MP MILEPOST
MPA MIDPOINT ANCHOR
MPH MILES PER HOUR
MPLS MULTI-PROTOCOL LABEL SWITCHING
MR MOVEMENT RATING
MSE MECHANICALLY STABILIZED EMBANKMENT
MSF MAINTENANCE AND STORAGE FACILITY
MSL MEAN SEA LEVEL
MTD MEMO TO DESIGNERS (CALTRANS), MOUNTED
MUL MULLION
MVC MINIMUM VERTICAL CLEARANCE
MW MESSENGER WIRE

F CONTINUED

H CONTINUED

K CONTINUED

L CONTINUED

FA FIRE ALARM
FACP FIRE ALARM CONTROL PANEL
FAS FIRE ALARM SYSTEM
FB FLAT BAR, FLOOR BEAM, FEEDER BREAKER
FBO FURNISHED BY OTHERS
FC FARE COLLECTION
F&C FRAME AND COVER
FD FLOOR DRAIN
FDC FIRE DEPARTMENT CONNECTION
FDN FOUNDATION
FDP FIBER DISTRIBUTION PANEL
FDR FEEDER
FDU FIBER DISTRIBUTION UNIT
FE FIRE EXTINGUISHER
FES FLARED END SECTION
FF FILTER FABRIC
F/F FACE TO FACE
FFJ FULL FEEDING JUMPER
FFL FINISHED FLOOR LEVEL
FG FINISHED GRADE
F&G FRAME AND GRATE
FH FIRE HYDRANT
FHC FIRE HOSE CABINET
FID FIRE INITIATING DEVICE
FIG FIGURE
FIN FINISH
FIRM FLOOD INSURANCE RATE MAPS
FJ FEEDER JUMPER
FL FLOW LINE
FLB FLOOR BEAM
FLH FLAT HEAD
FLR FLOOR
FNA FIRE NOTIFICATION APPLIANCE
FO FIBER OPTIC
FOC FIBER OPTIC CABLE, FACE OF CURB
FOCN FIBER OPTIC CABLING NETWORK
FOF FACE OF FINISH
FOP FACE OF POLE
FOS FACE OF STUDS, FACTOR OF SAFETY
FP FULL PENETRATION
FPLM FULL SPAN PRECAST LAUNCHING
FPRF FIRE PROOF
FPS FRAMES PER SECOND
FR FRAME
FREO FREQUENCY

HAZ HAZARDOUS
HB HARDNESS BRINELL, HOSE BIBB
HC HANDICAP
HD HARD DRAWN, HORIZONTAL DRAIN
HDG HOT DIP GALVANIZED
HDPE HIGH DENSITY POLYETHYLENE
HDWE HARDWARE
HDWL HEADWALL
HEX HEXAGONAL
HH HANDHOLE, HEAD HARDENED
HI HIGH
HI-RAIL HIGHWAY TO RAILROAD VEHICLE
HM HOLLOW METAL
HMA HOT MIXED ASPHALT
HMI HUMAN MACHINE INTERFACE
HO HAND OPERATED
HOR HORIZONTAL
HOV HIGH-OCCUPANCY VEHICLE
HP HIGH POINT, HINGE POINT
HP&R HIGHWAY PLANTING AND RESTORATION
HPS HIGH PERFORMANCE STEEL
HR HANDRAIL
HRL HIGH RAIL LEVEL
HS HIGH STRENGTH
H/SPAN HEADSPAN
HSR HIGH-SPEED RAIL
HST HIGH-SPEED TRAIN
HT HIGH TEMPERATURE
HTR HEATER
HV HIGH VOLTAGE
HVAC HEATING VENTING AND AIR CONDITIONING
HW HIGH WATER
HWT HIGH WATER TABLE
HWM HIGH WATER MARK

J JUMPER
JAN JANITOR
JB JUNCTION BOX
JCT JUNCTION
JP JOINT POLE
JT(S) JOINT(S)

KV KILOVOLT

L LENGTH
LA LANDSCAPE ARCHITECT, LIGHTING ARRESTER, LOS ANGELES (CALIFORNIA, USA)
LA-A LOS ANGELES TO ANAHEIM
LAM LAMINATE
LAN LOCAL AREA NETWORK
LA-SD LOS ANGELES TO SAN DIEGO
LAT LATITUDE
LAV LAVATORY
LC LENGTH OF CURVE, LANDSCAPE CONTRACTOR
LCB LEAN CONCRETE BASE
LCX LEAKY COAXIAL RADIO CABLE
LDBE LOWER-LEVEL DESIGN BASIS EARTHQUAKE
LED LIGHT EMITTING DIODE
LF LINEAR FEET
LG LONG
LGT LIGHT, LIGHTING
LH LEFT-HAND
LKR LOCKER
LL LIGHT LOADING
LLT LAST LONG TIE
LN LANE
LO LOCKOUT
LOC LOCATION
LOL LAYOUT LINE
LONG LONGITUDE, LONGITUDINAL
LOS LEVEL OF SERVICE
LOTB LOGS OF TEST BORINGS
LP LOW POINT, LOW PROFILE
LPL LIGHT POLE
LR LOW RAIL
LRFD LOAD AND RESISTANCE FACTOR DESIGN
LRT LIGHT RAIL TRANSIT
LRV LIGHT RAIL VEHICLE
LS LENGTH OF SPIRAL, LANDSCAPING, LUMP SUM
LT LEFT
LV LOW VOLTAGE
LVL LEVEL
LVT LOW VIBRATION TRACK

N NORTH, NORTHING
N/A NOT APPLICABLE
NAVD NORTH AMERICAN VERTICAL DATUM
NB NORTHBOUND
NBR NONBRIDGING
NCL NO COLLAPSE PERFORMANCE LEVEL
NDP NONLINEAR DYNAMIC PROCEDURE
NEC NATIONAL ELECTRICAL CODE
NEG NEGATIVE
NEUT NEUTRAL
NF NEGATIVE FEEDER, NEAR FACE
NGVD NATIONAL GEODETIC VERTICAL DATUM
NI NETWORK INTERFACE
NIC NOT IN CONTRACT
NMS NETWORK MANAGEMENT SYSTEM
NO NUMBER, NORMALLY OPEN
NOM NOMINAL
NP NETWORK PORT

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Table with 2 columns: Field (DESIGNED BY, DRAWN BY, CHECKED BY, IN CHARGE, DATE) and Value (C. CUSSON, K. PIRBAZARI, 04/30/2019)

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CALIFORNIA HIGH-SPEED TRAIN PROJECT BURBANK TO LOS ANGELES
PEPD ACRONYMS AND ABBREVIATIONS SHEET 2 OF 5

Table with 2 columns: Field (CONTRACT NO., DRAWING NO., SCALE, SHEET NO.) and Value (HSR14-39, GE-C0302, NO SCALE, SHEET NO.)

N CONTINUED

NPRM NOTICE OF PROPOSED RULE MAKING
NPS NOMINAL PIPE SIZE
NR NOT REGISTERED
NS NOT SUPPORTED
NT NETWORK
NTP NOTICE TO PROCEED, NETWORK TIME PROTOCOL
NTS NOT TO SCALE NETWORK TIME SERVER

O

OA OVERALL
OBLR OBLITERATE
OC ON CENTER, OVERCROSSING
OCC OPERATIONS CONTROL CENTER
OCS OVERHEAD CONTACT SYSTEM
OF OUTSIDE FACE
OFF OFFSET
OG ORIGINAL GROUND
OH OVERHEAD
O-LA ORANGE COUNTY TO LOS ANGELES OPERATIONS AND MAINTENANCE
O&M OPERATIONS AND MAINTENANCE
O-O OUT TO OUT
OOR OUT-OF-RUNNING (NONRIDING CONTACT WIRE)
OP OVERPASS
OPL OPERABILITY PERFORMANCE LEVEL
OPNG OPENING
OPP OPPOSITE
ORS OPERATIONS RADIO SYSTEM
OSP OUTSIDE PLANT
OVERTEMP OVERTEMPERATURE

P

P-LA PALMDALE TO LOS ANGELES
PA PUBLIC ADDRESS
PACIS PUBLIC ADDRESS/CUSTOMER INFORMATION SYSTEM
PAX PASSENGER
PB PULL BOX, PUSH BUTTON (ON ELECTRICAL DIAGRAMS)
PBX PRIVATE BRANCH EXCHANGE
PC PRECAST CONCRETE
PCC PORTLAND CEMENT CONCRETE
PCP PERFORATED CONCRETE PIPE
PCPT PIEZOCONE PENETROMETER TEST
PE PORCELAIN ENAMEL
PED PEDESTRIAN
PEPD PRELIMINARY ENGINEERING FOR PROJECT DEFINITION
PERF PERFORATED
PERM PERMEABLE, PERMANENT
PET POTENTIAL EQUALIZING JUMPER
PF POWER FACTOR
PFDHA PROBABILISTIC FAULT DISPLACEMENT HAZARD ANALYSIS
PGL PROFILE GRADE LINE
PH PHASE
PHE POTHOLE
PID PASSENGER INFORMATION DISPLAY
PITO POINT OF INTERSECTION TURNOUT
PJP PARTIAL JOINT PENETRATION
PL PLATE, PLACE
P/L PROPERTY LINE
PLAM PLASTIC LAMINATE
PLAS PLASTER
PLC PROGRAMMABLE LOGIC CONTROLLER
PLYWD PLYWOOD
PM POST MILE, POST MERIDIEM (TIME FROM NOON TO MIDNIGHT)
PMS PAVEMENT MANAGEMENT SYSTEM
PN PAVING NOTCH
PNL PANEL
PNT POINT
PO PULL OFF
POC POINT OF CONNECTION
POE POINT OF ENDING
POS POSITIVE
POTS PLAIN ORDINARY TELEPHONE SERVICE
PP PLASTIC PIPE, POWER POLE

P CONTINUED

PPL PREFORMED PERMEABLE LINER
PPP PERFORATED PLASTIC PIPE
PR PAIR
PRI PRIMARY RATE INTERFACE (ISDN SERVICE)
PROP PROPOSED
PS PARALLELING STATION, POINT OF SWITCH
P/S PRESTRESSED
PS PARALLELING STATION
PSP PERFORATED STEEL PIPE
PSTN PUBLIC SWITCHED TELEPHONE NETWORK
PSTTWS PUBLIC SAFETY TRENCH AND TUNNEL WIRELESS SYSTEM
PSU POWER SUPPLY UNIT
PT POTENTIAL TRANSFORMER
PTC POSITIVE TRAIN CONTROL
PTD/R PAPER TOWEL DISPENSER AND RECEPTACLE
PTEL PASSENGER ASSISTANCE TELEPHONE
PTM PARKING TICKET MACHINE
PTT PUSH TO TALK
PTZ PAN-TILT-ZOOM
PUE PUBLIC UTILITY EASEMENT
PVC POLYVINYL CHLORIDE, POINT OF VERTICAL CURVATURE, POINT OF VERTICAL INTERSECTION
PVI PAVEMENT
PVMT POINT OF VERTICAL TANGENCY
PVT POWER
PWR

Q

QOS QUALITY OF SERVICE
QT QUARRY TILE
QTY QUANTITY

R

R RADIUS, REMOTE ANNUNCIATOR
RA REMOTE ANNUNCIATOR
R/A ROCK ANCHOR
RAID REDUNDANT ARRAY OF INDEPENDENT DISKS
RB RESILIENT BASE
RBM RAILBOUND MANGANESE FROG
RC REGIONAL CONSULTANT, REINFORCED CONCRETE
RCA REINFORCED CONCRETE ARCH
RCB REINFORCED CONCRETE BOX
RCC REGIONAL CONTROL CENTER
RCE REGISTERED CIVIL ENGINEER
RCP REINFORCED CONCRETE PIPE
RCPA REINFORCED CONCRETE PIPE ARCH
RD ROAD, ROOF DRAIN
R&D REMOVE AND DISPOSE
RDWY ROADWAY
RE RUNNING EDGE OF RAIL
REBAR CONCRETE REINFORCED BAR
RECT RECTANGULAR
REF REFERENCE
REFP REFERENCE POINT
REINF REINFORCED, REINFORCEMENT, REINFORCING
REL RELOCATE, RELOCATED
REM REMOTE
REPL REPLACEMENT
REQD REQUIRED
RESIL RESILIENT
RET RETAINING
REV REVISED, REVISION
RF RADIO FREQUENCY
RFI REQUEST FOR INFORMATION
RGS RIGID GALVANIZED STEEL
RH RIGHT-HAND
RM RESTRICTED MANUAL, ROOM
R-M ROAD MIXED
RO ROUGH OPENING
ROW RIGHT-OF-WAY
RP RADIUS POINT
RR RAILROAD, RUNNING RAIL

R CONTINUED

RRR RESURFACING, RESTORATION, REHABILITATION (3R)
RRRR RESURFACING, RESTORATION, REHABILITATION, RECONSTRUCTION (4R)
RRX RAILROAD GRADE CROSSING
R&S REMOVE AND SALVAGE
RSP ROCK SLOPE PROTECTION
RT RESILIENT TILE, RIGHT ROUTE
RTE REMOTE TERMINAL UNIT
RTU RETAINING WALL
RW RIGHT-OF-WAY
R/W RAIN WATER LEADER
RWY RAILWAY

S

S SOUTH, SLOPE
SAE STRUCTURE APPROACH EMBANKMENT
SALV SALVAGE
SAPP STRUCTURAL ALUMINUM PLATE PIPE
SB SOUTHBOUND
SC SPIRAL TO CURVE, SWITCH CABLE
SCADA SUPERVISORY CONTROL AND DATA ACQUISITION
SCAT SIMPLE CATENARY - AUTO TENSION
SCB SUBSTATION CONTROL BUILDING
SCC STATION CONTROL CENTER
SCD SEAT COVER DISPENSER
SCFT SIMPLE CATENARY - FIXED TENSION
SCHD SCHEDULE
SCN SECURITY CLASSIFICATION NUMBERS
SCPE SEISMIC CAPACITY AND PERFORMANCE EVALUATION
SCSP SLOTTED CORRUGATED STEEL PIPE
SD STORM DRAIN
SDB SYSTEM DUCT BANK
SDC SEISMIC DESIGN CRITERIA
SDOF SINGLE DEGREE OF FREEDOM
SE SUPER ELEVATION
SECT SECTION
SECTLEG SECTIONALIZING
SEM SEQUENTIAL EXCAVATION METHOD
SEP SEPARATION
SERV SERVICE
SF SPRING FROG
SFS SANTA FE SPRINGS
SG SUBGRADE
SHA SEISMIC HAZARDS ANALYSIS
SHLD SHOULDER
SHS STATE HIGHWAY SYSTEM
SHT SHEET
SI SECTION INSULATOR, SITE INVESTIGATION
SIG SIGNAL
SIM SIMILAR
SLAN PASSENGER STATION LOCAL AREA NETWORK
SM SELECTED MATERIAL
SMF SOLID MANGANESE FROG, SINGLE MODE FIBER
SNF SWING NOSE FROG
SNTP SIMPLE NETWORK TIME PROTOCOL
SP SPARE
SPC SPECIAL
SPEC SPECIFICATION
SPKR SPEAKER
SPL SAFETY PERFORMANCE LEVEL
SPS SMALL PART STEELWORK
SPST SINGLE POLE SINGLE THROW
SPT STANDARD PENETRATION TEST
SQ SQUARE
SR SYSTEM REQUIREMENT, STATE ROUTE
SRRA SAFETY ROADSIDE REST AREA
SRSS SQUARE ROOT OF SUM OF SQUARES
SS SLOPE STAKE, SUBSTATION
S/SPAN STEADY SPAN
SSI SOIL STRUCTURE INTERACTION
SSK SERVICE SINK
SSPA STRUCTURAL STEEL PLATE ARCH
SSPP STRUCTURAL STEEL PLATE PIPE
SSPPA STRUCTURAL STEEL PLATE PIPE ARCH
SSRP STEEL SPIRAL RIB PIPE
SST STAINLESS STEEL

S CONTINUED

SSW STEADY SPAN WIRE
SS SANITARY SEWER
ST SPIRAL TO TANGENT, STREET
STA STATION, STATIONING
STBB SINGLE THRIE BEAM BARRIER
STD STANDARD
STC SINGLE TRACK CANTILEVER
STIFF STIFFENER
STL STEEL
STOR STORAGE
STP SHIELDED TWISTED PAIR CABLE
STR STRUCTURAL, STRUCTURE
STS SPIRAL TANGENT SPIRAL
STW STATIC WIRE
SUPV SUPERVISORY
SURF SURFACING
SUSP SUSPENDED
SW SOUNDWALL, SOFTWARE
SWA SINGLE WIRE ANCHOR
SWAT SINGLE WIRE AUTO TENSIONED
SWFT SINGLE WIRE - FIXED TERMINATION
SWGR SWITCHGEAR
SWK SIDEWALK
SWPPP STORM WATER POLLUTION PREVENTION PLAN
SWR SEWER
SWS SWITCHING STATION
SWT SWITCH
SYM SYMMETRICAL

T

T TREAD
TAN TANGENT
TASAS TRAFFIC ACCIDENT SUREILLANCE ANALYSIS SYSTEM
T&B TOP AND BOTTOM
TBD TO BE DETERMINED
TBM TUNNEL BORING MACHINE
TCL TRACK CENTERLINE
TC TRAIN CONTROL
TCB TRAFFIC CONTROL BOX
TCC TRAIN CONTROL AND COMMUNICATIONS
TCCR TRAIN CONTROL AND COMMUNICATIONS ROOM
TCCCT TRACK CIRCUIT
TCE TEMPORARY CONSTRUCTION EASEMENT
TCP/IP TRANSMISSION CONTROL PROTOCOL/INTERNET PROTOCOL
TCR TRANSMISSION COMMUNICATIONS ROOM
TD TRENCH DRAIN, TIME DELAY
TDA TIRE DERIVED AGGREGATE
TDD TELECOMMUNICATIONS DEVICE FOR THE DEAF
TDM TIME DIVISION MULTIPLEXING
TEL TELEPHONE
TEMP TEMPORARY
TERM TERMINATION
TES TRACTION ELECTRIFICATION SYSTEM
TESC TEMPORARY EROSION AND SETTLEMENT CONTROL
TETEL TRAIN EMERGENCY TELEPHONE/SPEAKERPHONE
TFE TETRAFLUROETHYLENE
TG TOP OF GRADE
THK THICK
TIS TELEPHONE AND INTERCOM SYSTEM
TK TRACK
TL TENSION LENGTH
TM TECHNICAL MEMORANDUM
TMP TEMPERATURE
TO TURNOUT, TELECOM OUTLET
TOC TOP OF CURB
TOG TOP OF GRATE
TOL TOLERANCE
TOLR TOP OF LOW RAIL
TOF TOP OF FOUNDATION
TOFG TOP OF FINISH GRADE
TOP TOP OF PAVEMENT
TOR TOP OF RAIL

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Table with 5 columns: REV, DATE, BY, CHK, APP, DESCRIPTION. Row 1: 04/30/2019, C. CUSSON, K. PIRBAZARI, IN CHARGE, K. PIRBAZARI.

DESIGNED BY C. CUSSON
DRAWN BY C. CUSSON
CHECKED BY K. PIRBAZARI
IN CHARGE K. PIRBAZARI
DATE 04/30/2019

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
BURBANK TO LOS ANGELES
PEPD
ACRONYMS AND ABBREVIATIONS
SHEET 3 OF 5

Table with 2 columns: CONTRACT NO. HSR14-39, DRAWING NO. GE-C0303, SCALE NO SCALE, SHEET NO.

**T CONTINUED**

**W CONTINUED**

**TRACK GEOMETRY - HORIZONTAL**

**UNITS OF MEASUREMENT**

TOS TOP OF SLOPE  
 TOT TOP OF TIE,  
 TOTAL  
 TOW TOP OF WALL  
 TP TELEPHONE POLE,  
 TRACTION POWER  
 TPB TREATED PERMEABLE BASE  
 TPD TOILET PAPER DISPENSER  
 TPF TRACTION POWER FACILITY  
 TPM TREATED PERMEABLE MATERIAL  
 TPS TRACTION POWER SUPPLY SYSTEM  
 TPSS TRACTION POWER SUBSTATION  
 (INCLUDING PARALLEL AND SWITCHING STATIONS)  
 T/R TOP OF RAIL ELEVATION  
 TRANS TRANSVERSE,  
 TRANSITION  
 TRK TRACK  
 TS TRAFFIC SIGNAL,  
 TANGENT TO SPIRAL,  
 TUBULAR STEEL  
 TSI TECHNICAL SPECIFICATIONS FOR INTEROPERABILITY  
 TSM TRAFFIC SYSTEMS MANAGEMENT  
 TSMP TRAFFIC SYSTEMS MANAGEMENT PLAN  
 TTC TWO TRACK CANTILEVER  
 TTEL TRAIN EMERGENCY SPEAKERPHONE  
 TV TELEVISION  
 TVS(S) TICKET VENDING MACHINE(S)  
 TW TIE WIRE  
 TWC TIME WARNER CABLE  
 TWT TIME WARNER TELEPHONE  
 TYP TYPICAL

W/ WITH  
 WA WORK AREA  
 WB WESTBOUND  
 WC WATER CLOSET  
 WCS WIRELESS COMMUNICATIONS SYSTEM  
 WD WOOD  
 WLAN WIRELESS LOCAL AREA NETWORK  
 WM WIRE MESH  
 W/O WITHOUT  
 WP WORK POINT,  
 WOOD POLE  
 WPF WATERPROOF  
 WPC WAYSIDE POWER CUBICLES  
 WR WIRE RUN  
 WRT WITH RESPECT TO  
 WS WATER SURFACE,  
 WORK STATION  
 WSP WELDED STEEL PIPE  
 WT WEIGHT  
 WV WATER VALVE  
 WW WINGWALL,  
 WALKWAY  
 WWF WELDED WIRE FABRIC  
 WWJCL WELDED STEEL PIPE  
 WWLOL WINGWALL LAYOUT LINE  
 WWM WELDED WIRE MESH

BC BEGIN HORIZONTAL CURVE  
 CC COMPOUND CURVE  
 CS POINT OF CHANGE FROM CIRCULAR CURVE TO SPIRAL  
 K1 TANGENT DISTANCE PF SHIFT PC REFERENCE  
 TO THE TS  
 K2 TANGENT DISTANCE PF SHIFT PT REFERENCE  
 TO THE ST  
 LC LENGTH OF CIRCULAR CURVE  
 Ls1 LENGTH OF SPIRAL FROM TS TO SC  
 Ls2 LENGTH OF SPIRAL FROM CS TO ST  
 LSc LENGTH OF COMPOUND SPIRAL FROM CS TO SC  
 p1 OFFSET FROM INITIAL TANGENT TO PC OF THE  
 SHIFTED CIRCLE OF SPIRALIZED CURVE  
 p2 OFFSET FROM INITIAL TANGENT TO PT OF THE  
 SHIFTED CIRCLE OF SPIRALIZED CURVE  
 PC POINT OF CURVATURE  
 PCC POINT OF COMPOUND CURVE  
 PF POINT OF FROG  
 PI POINT OF INTERSECTION  
 PITO POINT OF INTERSECTION TURNOUT  
 POC POINT ON HORIZONTAL CURVE  
 POE POINT OF ENDING  
 POS POINT ON SPIRAL  
 POVc POINT ON VERTICAL CURVE  
 POVT POINT ON VERTICAL TANGENT  
 PRC POINT OF REVERSE CURVE  
 PRVC POINT OF REVERSE VERTICAL CURVE  
 PS POINT OF SWITCH  
 PT POINT OF TANGENT  
 SC POINT OF CHANGE FROM SPIRAL TO CIRCULAR CURVE  
 SPO POINT ON ORIGIN OF COMPOUND SPIRAL  
 SS POINT OF CHANGE BETWEEN SPIRALS  
 SSC SPIRAL TO SPIRAL POINT OF CURVATURE  
 ST POINT OF CHANGE FROM SPIRAL TO TANGENT  
 TC POINT OF CHANGE FROM TANGENT TO CURVE  
 TS POINT OF CHANGE FROM TANGENT TO SPIRAL  
 Ts1 TANGENT DISTANCE FROM TS TO PI  
 Ts2 TANGENT DISTANCE FROM ST TO PI  
 Xs1 TANGENT OFFSET AT THE SC  
 Xs2 TANGENT OFFSET AT THE CS  
 Δ TOTAL CENTRAL ANGLE OF THE SPIRALIZED CURVE  
 Δc CENTRAL ANGLE OF CIRCULAR CURVE (Lc) FROM  
 SC TO CS  
 Δc1 CENTRAL ANGLE OF FIRST CIRCULAR CURVE OF  
 COMPOUND CURVATURE  
 Δc2 CENTRAL ANGLE OF SECOND CIRCULAR CURVE OF  
 COMPOUND CURVATURE  
 θs1 CENTRAL ANGLE OF SPIRAL LENGTH Ls1 OR SPIRAL  
 ANGLE OF FIRST SPIRAL IN SPIRALIZED CURVE  
 θs2 CENTRAL ANGLE OF SPIRAL LENGTH Ls2 OR SPIRAL  
 ANGLE OF SECOND SPIRAL IN SPIRALIZED CURVE  
 θsc CENTRAL ANGLE OF COMPOUND SPIRAL OR  
 COMPOUND SPIRAL ANGLE FROM CS TO SC

Ac ACRES  
 AMP AMPERES  
 BTU BRITISH THERMAL UNIT  
 CAL CALIPER  
 CF CUBIC FEET  
 CP CANDLE POWER  
 CY CUBIC YARD  
 dB DECIBEL  
 DEG DEGREE  
 DIA DIAMETER  
 Eu UNBALANCED SUPERELEVATION  
 F FARENHEIT  
 FT FOOT,  
 FEET  
 g ACCELERATION DUE TO GRAVITY  
 GA GAUGE  
 GAL GALLON  
 GB GIGABYTE  
 GBPS GIGABITS PER SECOND  
 GHZ GIGAHERTZ  
 HR HOUR  
 HT HEIGHT  
 Hz HERTZ  
 ID INSIDE DIAMETER  
 IF INSIDE FACE  
 IN INCHES  
 IR INSIDE RADIUS  
 K KIPS (1000 POUNDS)  
 KCMIL THOUSAND CIRCULAR MILS  
 KHz KILOHERTZ  
 KSF KIPS PER SQUARE FOOT  
 KSI KIPS PER SQUARE INCH  
 KV KILOVOLTS  
 KVA KILOVOLTS-AMPERE  
 KVAR KILOVOLTS-AMPERE REACTIVE  
 KW KILOWATT  
 KWH/D KILOWATT HOUR / DEMAND  
 L LENGTH  
 LB POUNDS  
 LB/FT POUNDS PER FOOT  
 LF LINEAR FOOT  
 m METER  
 MBPS MEGABITS PER SECOND  
 MCM THOUSAND CIRCULAR MILS  
 MHz MEGAHERTZ  
 mm MILLIMETER  
 MPH MILES PER HOUR  
 MVA MEGAVOLT-AMPERE  
 MW MEGAWATT  
 OD OUTSIDE DIAMETER  
 PSF POUNDS PER SQUARE FOOT  
 PSI POUNDS PER SQUARE INCH  
 PSIG POUNDS PER SQUARE INCH GAUGE  
 SEC SECOND  
 SF SQUARE FEET  
 SY SQUARE YARD  
 TF TRACK FEET  
 VA VOLTS  
 VAC VOLT-AMPERE  
 Y YARDS  
 YR(S) YEAR(S)

**X**

X/CAT CROSS CANTENARY  
 XD TRANSDUCER  
 XFMR TRANSFORMER  
 XO CROSSOVER  
 XOST CROSSOVER SPRING TENSIONER  
 XSEC CROSS SECTION  
 X/SPAN CROSS SPAN  
 XING CROSSING  
 XMITTER TRANSMITTER

**TRACK GEOMETRY - VERTICAL**

BVC BEGIN VERTICAL CURVE  
 Eo ACTUAL SUPERELEVATION  
 EVC END VERTICAL CURVE  
 PCVC POINT OF COMPOUND VERTICAL CURVE  
 POVc POINT ON VERTICAL CURVE  
 POVT POINT ON VERTICAL TANGENT  
 PVI POINT OF VERTICAL INTERSECTION  
 VC VERTICAL CURVE  
 VPI VERTICAL POINT OF INTERSECTION

**U**

UB UTILITY BOX  
 UBC UNIFORM BUILDING CODE  
 UC UNDERCROSSING  
 UD UNDERDRAIN  
 UG UNDERGROUND,  
 UNDERGRADE  
 UGB UNDERGRADE BRIDGE  
 UI USER INTERFACE  
 UNINS UNINSULATED  
 UON UNLESS OTHERWISE NOTED  
 UP UNDERPASS  
 UPS UNINTERRUPTIBLE POWER SUPPLY  
 UR URINAL  
 UrEDAS URGENT EARTHQUAKE DETECTION AND ALARM SYSTEM  
 USCS UNIFIED SOIL CLASSIFICATION SYSTEM  
 UTIL UTILITY  
 UTPUN SHIELDED TWISTED PAIR  
 UWP UPPER WORKING POINT

**V**

V VELOCITY,  
 DESIGN SPEED,  
 VALVE  
 VAC VOLTS ALTERNATING CURRENT  
 VAR VARIABLE,  
 VARIES  
 VCAT VIRTUAL CONCETENATION  
 VCE VERTICAL CIRCULATION ELEMENT  
 VCP VITRIFIED CLAY PIPE  
 VCT VINYL COMPOSITION TILE  
 VCD VOLT DC  
 VE VALUE ENGINEERING  
 VERT VERTICAL  
 VEST VESTIBULE  
 VIA VIADUCT  
 VLAN VIRTUAL LOCAL AREA NETWORK  
 VMS VARIABLE MESSAGE SIGN,  
 VARIABLE MESSAGE SYSTEM  
 VOL VOLTIMETER,  
 VOLUME  
 VOIP VOICE OVER INTERNET PROTOCOL  
 VPN VIRTUAL PRIVATE NETWORK  
 VRCS VOICE RADIO COMMUNICATIONS SYSTEM  
 VS VOLTAGE SWITCH  
 VT VOLTAGE TRANSFORMER/TRANSDUCER

**W**

W WEST,  
 WIDTH

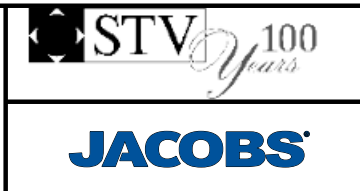
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DESIGNED BY  
**C. CUSSON**  
 DRAWN BY  
**C. CUSSON**  
 CHECKED BY  
**K. PIRBAZARI**  
 IN CHARGE  
**K. PIRBAZARI**  
 DATE  
**04/30/2019**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
 BURBANK TO LOS ANGELES**  
 PEPD  
 ACRONYMS AND ABBREVIATIONS  
 SHEET 4 OF 5

CONTRACT NO.  
 HSR14-39  
 DRAWING NO.  
 GE-C0304  
 SCALE  
 NO SCALE  
 SHEET NO.



**(AGENCIES/ORGANIZATIONS/REFERENCE)**

AAR ASSOCIATION OF AMERICAN RAILROADS  
 AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS  
 ACI AMERICAN CONCRETE INSTITUTE  
 ADA AMERICAN WITH DISABILITIES ACT (FEDERAL)  
 AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION  
 AMTRAK NATIONAL RAILROAD PASSENGER CORPORATION  
 ANSI AMERICAN NATIONAL STANDARDS INSTITUTE  
 ANSS ADVANCED NATIONAL SEISMIC SYSTEM  
 APWA AMERICAN PUBLIC WORKS ASSOCIATION  
 AREA AMERICAN RAILWAY ENGINEERING ASSOCIATION  
 AREMA AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION  
 ARTIC ANAHEIM REGIONAL TRANSPORTATION INTERMODAL CENTER  
 ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS  
 ASTM ASTM INTERNATIONAL, AMERICAN SOCIETY OF TESTING AND MATERIALS  
 ATC APPLIED TECHNOLOGY COUNCIL  
 AUTHORITY CALIFORNIA HIGH-SPEED RAIL AUTHORITY  
 AWS AMERICAN WELDING SOCIETY  
 BART BAY AREA RAPID TRANSIT DISTRICT  
 BDA BRIDGE DESIGN AIDS (CALTRANS)  
 BDD BRIDGE DESIGN DETAILS (CALTRANS)  
 BDP BRIDGE DESIGN PRACTICE (CALTRANS)  
 BDS BRIDGE DESIGN SPECIFICATIONS (CALTRANS)  
 BKLN BIKE LANE  
 BNSF BURLINGTON NORTHERN SANTA FE RAILWAY, BNSF RAILWAY  
 CALNET CALIFORNIA INTEGRATED TELECOMMUNICATIONS NETWORK  
 CALTRANS CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 CBC CALIFORNIA BUILDING CODE  
 CBDM CALIFORNIA DEPARTMENT OF TRANSPORTATION-BRIDGE DESIGN MANUAL  
 CCR CALIFORNIA CODE OF REGULATIONS  
 CDC CALIFORNIA HIGH-SPEED TRAIN DESIGN CRITERIA  
 CEC CALIFORNIA ELECTRIC CODE  
 CEQA CALIFORNIA ENVIRONMENTAL QUALITY ACT  
 CFR CODE OF FEDERAL REGULATIONS  
 CHD COUNTY HEALTH DEPARTMENT  
 CHP CALIFORNIA DEPARTMENT OF HIGHWAY PATROL (STATE)  
 CHST CALIFORNIA HIGH-SPEED TRAIN  
 CHSTP CALIFORNIA HIGH-SPEED TRAIN PROJECT  
 CIWMB CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD  
 CPH CALIFORNIA PERMIT HANDBOOK  
 CPUC CALIFORNIA PUBLIC UTILITIES COMMISSION  
 CRR COMMUTER RAIL PROGRAM (STATE)  
 DOD DEPARTMENT OF DEFENSE (FEDERAL)  
 DOT DEPARTMENT OF TRANSPORTATION (FEDERAL)  
 DTX DOWNTOWN EXTENSION (CALTRAIN)  
 EIRENE EUROPEAN INTEGRATED RADIO ENHANCED NETWORK  
 ERTMS EUROPEAN RAIL TRAFFIC MANAGEMENT SYSTEM  
 FAA FEDERAL AVIATION ADMINISTRATION  
 FCC FEDERAL COMMUNICATIONS COMMISSION  
 FEMA FEDERAL EMERGENCY MANAGEMENT AGENCY  
 FHWA FEDERAL HIGHWAY ADMINISTRATION  
 FMFCD FRESNO METROPOLITAN FLOOD CONTROL DISTRICT  
 FRA FEDERAL RAILROAD ADMINISTRATION  
 FSTIP FEDERAL STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM  
 FTA FEDERAL TRANSIT ADMINISTRATION  
 GBR GEOTECHNICAL BASELINE REPORT  
 GBR-B GEOTECHNICAL BASELINE REPORT FOR BIDDING  
 GBR-C GEOTECHNICAL BASELINE REPORT FOR CONSTRUCTION  
 GDR GEOTECHNICAL DATA REPORT  
 IEEE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS  
 ISO INTERNATIONAL ORGANIZATION FOR STANDARDIZATION  
 LACFCD LOS ANGELES COUNTY FLOOD CONTROL DEPARTMENT  
 LADWP LOS ANGELES DEPARTMENT OF WATER AND POWER  
 LAUS LOS ANGELES UNION STATION  
 LTC LOCAL TRANSPORTATION COMMISSION  
 METRO LOS ANGELES COUNTY METROPOLITAN TRANSIT AUTHORITY  
 MTA METROPOLITAN TRANSIT AUTHORITY  
 MUTCD MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES  
 MWD METROPOLITAN WATER DISTRICT  
 NAAQS NATIONAL AMBIENT AIR QUALITY STANDARDS  
 NAC NOISE ABATEMENT CRITERIA  
 NBSSR NOISE BARRIER SCOPE SUMMARY REPORT

**(AGENCIES/ORGANIZATIONS/REFERENCE CONTINUED)**

NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION  
 NENA NATIONAL EMERGENCY NUMBER ASSOCIATION  
 NESC NATIONAL ELECTRICAL SAFETY CODE  
 NFPA NATIONAL FIRE PROTECTION ASSOCIATION  
 NIST NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
 OCFCD ORANGE COUNTY FLOOD CONTROL DISTRICT  
 OCTA ORANGE COUNTY TRANSPORTATION AUTHORITY  
 OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION  
 PEER PACIFIC EARTHQUAKE ENGINEER RESEARCH  
 PG&E PACIFIC GAS AND ELECTRIC COMPANY  
 PUC PUBLIC UTILITIES COMMISSION  
 RSA RAIL SAFETY IMPROVEMENT ACT (2008)  
 RWOCB REGIONAL WATER QUALITY CONTROL BOARD (STATE)  
 SAVE SOCIETY OF AMERICAN VALUE ENGINEERS  
 SCE SOUTHERN CALIFORNIA EDISON  
 SCRRA SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY (METROLINK)  
 SDG&E SAN DIEGO GAS AND ELECTRIC COMPANY  
 SDNR SAN DIEGO NORTHERN RAILWAY  
 SHOPP STATE HIGHWAY OPERATION AND PROTECTION PROGRAM (FORMERLY HSOPP)  
 SHPO STATE HISTORIC PRESERVATION OFFICER (STATE)  
 SJRRA SAN JOAQUIN REGIONAL RAIL AUTHORITY  
 SMUD SACRAMENTO MUNICIPAL UTILITY DISTRICT  
 SPTC SOUTHERN PACIFIC TRANSPORTATION COMPANY  
 SSCOM SEISMIC SAFETY COMMISSION  
 SSORC SAFETY AND SECURITY OVERSIGHT AND REVIEW COMMITTEE  
 SVBX SILICON VALLEY BERRYESSA EXTENSION  
 SVRT SILICON VALLEY RAPID TRANSIT  
 UPRR UNION PACIFIC RAILROAD  
 US UNITED STATES  
 USCE UNITED STATES (ARMY) CORP OF ENGINEERS  
 USCG UNITED STATES COAST GUARD  
 USCS UNIFIED SOIL CLASSIFICATION SYSTEM  
 VTA VALLEY TRANSPORTATION AUTHORITY (OF SANTA CLARA COUNTY)

**(SEGMENT/COUNTY CODES AND SUBDIVISIONS)**

AJ ALTAMONT PASS  
 BP BAKERSFIELD TO PALMDALE  
 FB FRESNO TO BAKERSFIELD  
 FJ SAN FRANCISCO TO SAN JOSE  
 JM SAN JOSE TO MERCED  
 LD LOS ANGELES TO SAN DIEGO  
 LO LOS ANGELES TO ANAHEIM  
 MF MERCED TO FRESNO  
 PL PALMDALE TO LOS ANGELES  
 SM SACRAMENTO TO MERCED  
 B BAY SUBDIVISION  
 C CAPITAL SUBDIVISION  
 D DESERT SUBDIVISION  
 J SAN JACINTO SUBDIVISION  
 P PACHECO SUBDIVISION  
 S SIERRA SUBDIVISION  
 T TONGVA SUBDIVISION  
 ALA ALAMEDA  
 ALP ALPINE  
 AMA AMADOR  
 BUT BUTTE  
 CAL CALAVERAS  
 CC CONTRA COSTA  
 COL COLUSA  
 DN DEL NORTE  
 ED EL DORADO  
 FRE FRESNO  
 GLE GLENN  
 HUM HUMBOLT  
 IMP IMPERIAL  
 INY INYO  
 KER KERN  
 KIN KINGS  
 LA LOS ANGELES  
 LAK LAKE  
 LAS LASSEN  
 MAD MADERA  
 MEN MENDOCINO  
 MER MERCED  
 MNO MONO  
 MOD MODOC  
 MON MONTEREY  
 MPA MARIPOSA  
 MRN MARIN  
 NAP NAPA  
 NEV NEVADA  
 ORA ORANGE  
 PLA PLACER  
 PLU PLUMAS  
 RIV RIVERSIDE  
 SAC SACRAMENTO  
 SB SANTA BARBARA  
 SBD SAN BERNARDINO  
 SBT SAN BENITO  
 SCL SANTA CLARA  
 SCR SANTA CRUZ  
 SD SAN DIEGO  
 SF SAN FRANCISCO  
 SHA SHASTA  
 SIE SIERRA  
 SIS SISKIYOU  
 SJ SAN JOAQUIN  
 SLO SAN LUIS OBISPO  
 SM SAN MATEO  
 SOL SOLANO  
 SON SONOMA  
 STA STANISLAUS  
 SUT SUTTER  
 TEH TEHAMA  
 TRI TRINITY  
 TUL TULARE  
 TUO TUOLUMNE  
 VEN VENTURA  
 YOL YOLO  
 YUB YUBA

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
 BURBANK TO LOS ANGELES**  
  
 PEPD  
 ACRONYMS AND ABBREVIATIONS  
 SHEET 5 OF 5

CONTRACT NO.  
 HSR14-39  
 DRAWING NO.  
 GE-C0305  
 SCALE  
 NO SCALE  
 SHEET NO.

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**TRACK**

	EXISTING FREIGHT/PASSENGER TRACK
	NEW MAINLINE AND/OR INDUSTRY TRACK (SEE TRACK PLANS FOR DESIGNATION)
	BALLAST
	BUMPER/BUMPING POST
	CONCRETE
	DERAIL-DENOTES DERAIL DIRECTION AND LOCATION OF SWITCH MACHINE (LEFT-HAND SHOWN)
	DOUBLE CROSSOVER
	EARTH
	FRICTION BUFFER
	INSULATED JOINT
	INSULATED JOINT LOCATIONS-BOTH RAIL
	INSULATED JOINT LOCATIONS-LEFT RAIL
	INSULATED JOINT LOCATIONS-RIGHT RAIL
	POINT OF CURVATURE
	POINT OF SWITCH-DENOTES SWITCH MACHINE LOCATION
	PREPARED SUBGRADE
	RAIL LUBRICATOR-DIRECTION OF TRAVEL, (DT), TWO RAIL LUBRICATORS SHOWN
	SINGLE CROSSOVER (LEFT-HAND SHOWN)
	SPECIAL RAIL
	STANDARD BOLTED JOINT
	STANDARD RAIL
	SUBBALLAST
	TURNOUT (RIGHT HAND SHOWN)
	WELDED JOINT
	CONTROL POINT (CP)
	WALKWAY/DRAINAGE ENVELOPE

**CIVIL**

	AGGREGATE BASE
	ASPHALT CONCRETE
	BEGIN OR END PLATFORM
	BIKE STAND
	BREAK LINE
	BORINGS (EXISTING)
	CENTERLINE
	CENTERLINE TEXT SYMBOL
	CLEAN OUT
	COLUMN, BENT
	CONCRETE
	CONCRETE BARRIER
	CONTOUR LINE
	CONTROL PANEL
	CONTROL POINT OR STREET INTERSECTION POINT
	COORDINATE GRID CROSSAIR
	CURB WITH GUTTER (CURB-LIP, FLOW LINE, BACK-TOP OF CURB)
	CURVE NUMBER
	CURVE NUMBER (TRACK GEOMETRY)
	TANGENT NUMBER
	DITCH/DRAINAGE FLOW LINE
	DOUBLE THRIE BEAM BARRIER
	DROP INLET
	ROUND DROP INLET
	DETENTION BASIN
	EARTHWORK LIMITS
	ELEVATIONS

**CIVIL CONTINUED**

	ELEVATION (EXISTING)
	ELECTROLIER, ELECTROLIER ON POLE
	EXISTING GUARD RAILING
	EXISTING WALL
	FENCE
	FIRE HYDRANT
	GRADED/LANDSCAPED AREA
	GAS METER
	GAS VALVE
	GUARD POST
	GUARD RAIL
	GRAVEL OR DIRT ROAD
	GUY WIRE
	HIGH MAST LIGHTING
	HORIZONTAL & VERTICAL CONTROL MONUMENT
	HORIZONTAL CONTROL MONUMENT
	ICV
	MAIL BOX
	MANHOLE
	MATCH LINE (DWG NO.)
	NEW ASPHALTIC CONCRETE
	NEW GUARD RAILING
	NEWS STAND
	NORTH ARROW
	ORIGINAL GROUND
	PARKING METER
	POINT OF INTERSECTION

**CIVIL CONTINUED**

	POINT OF INTERSECTION SYMBOL
	POINT OF VERTICAL INTERSECTION
	POWER POLE
	PROPERTY LINE
	RETAINING WALL
	RIVER, STREAMS, AND CREEKS
	SECTION DESIGNATION (LETTER) DRAWING NO. ON WHICH SECTION AND DETAIL APPEARS
	SECTION OR DETAIL TITLE
	SPOT ELEVATION
	TILDE (TERMINATOR)
	SIGNALIZED INTERSECTION
	STATION EQUATION
	STREET LIGHT
	STREET LIGHT POWER POLE
	STREET LIGHT TRAFFIC SIGNAL
	STREET SIGN
	STRUCTURE CLEARANCE ENVELOPE
	SUPER AXIS OF ROTATION
	TELEPHONE BOOTH
	TELEPHONE POLE
	TEMPORARY RAILING (TYPE K)
	TIRE DERIVED AGGREGATE
	TRACK ALIGNMENT CENTER LINE
	TRAFFIC PANEL
	TRAFFIC SIGNAL
	TRANSMISSION TOWER

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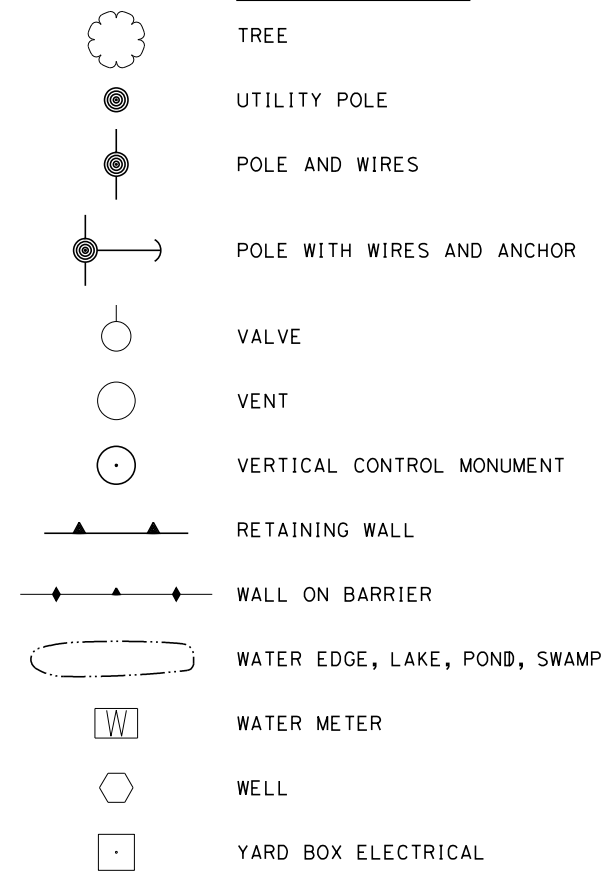


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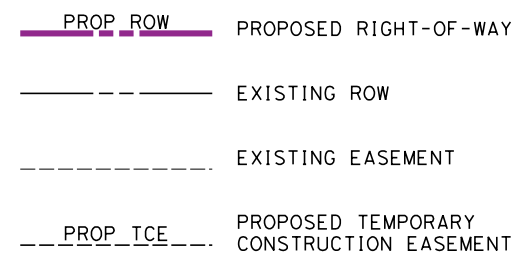
PEPD  
SYMBOLS  
SHEET 1 OF 2

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
GE-C0311  
SCALE  
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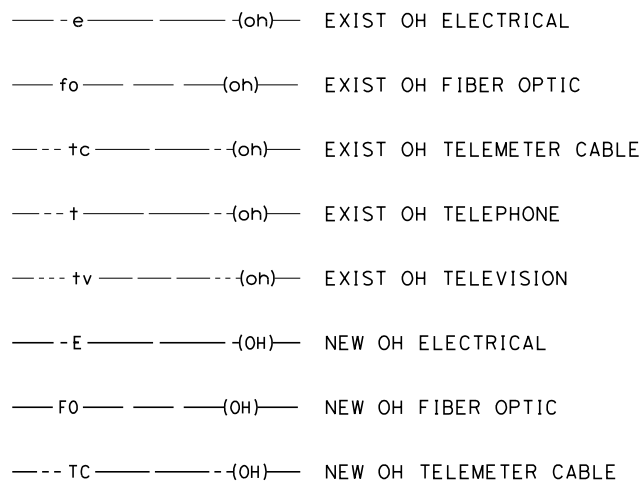
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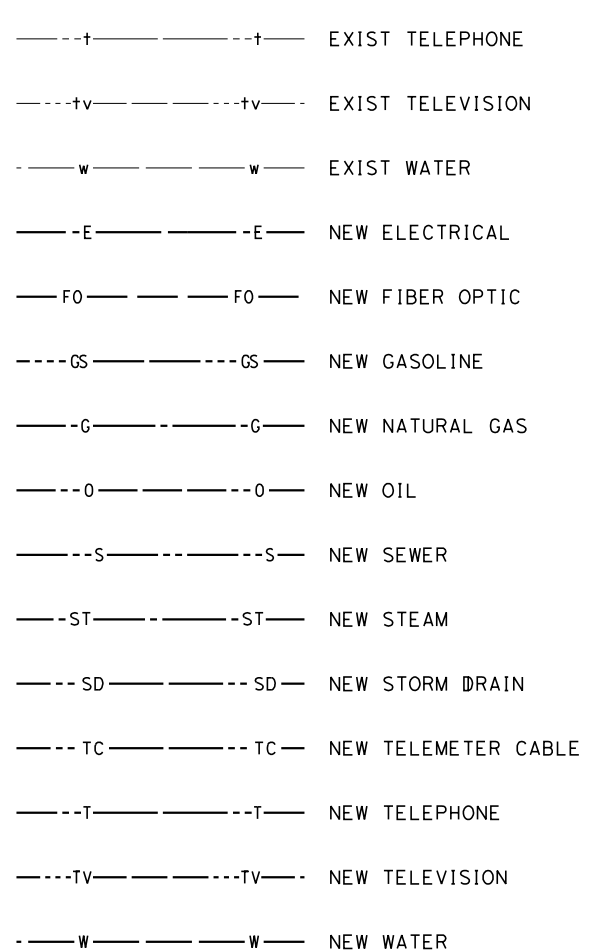
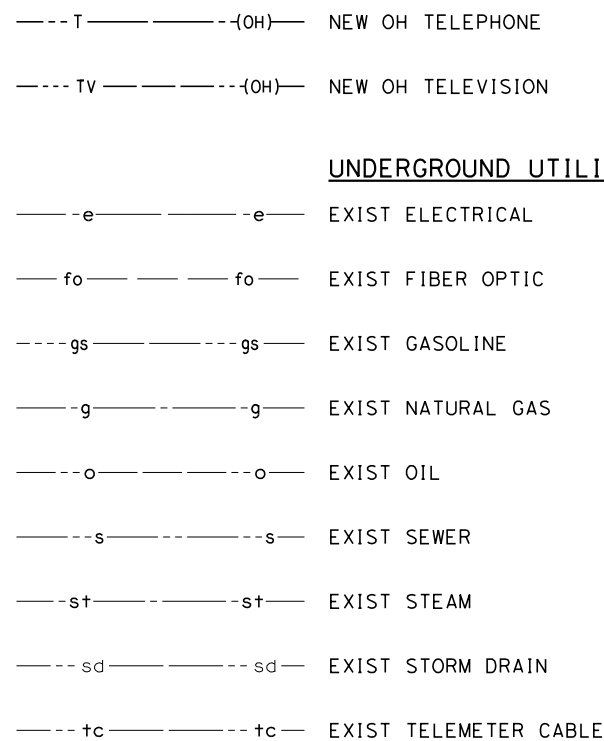
**RIGHT-OF-WAY**



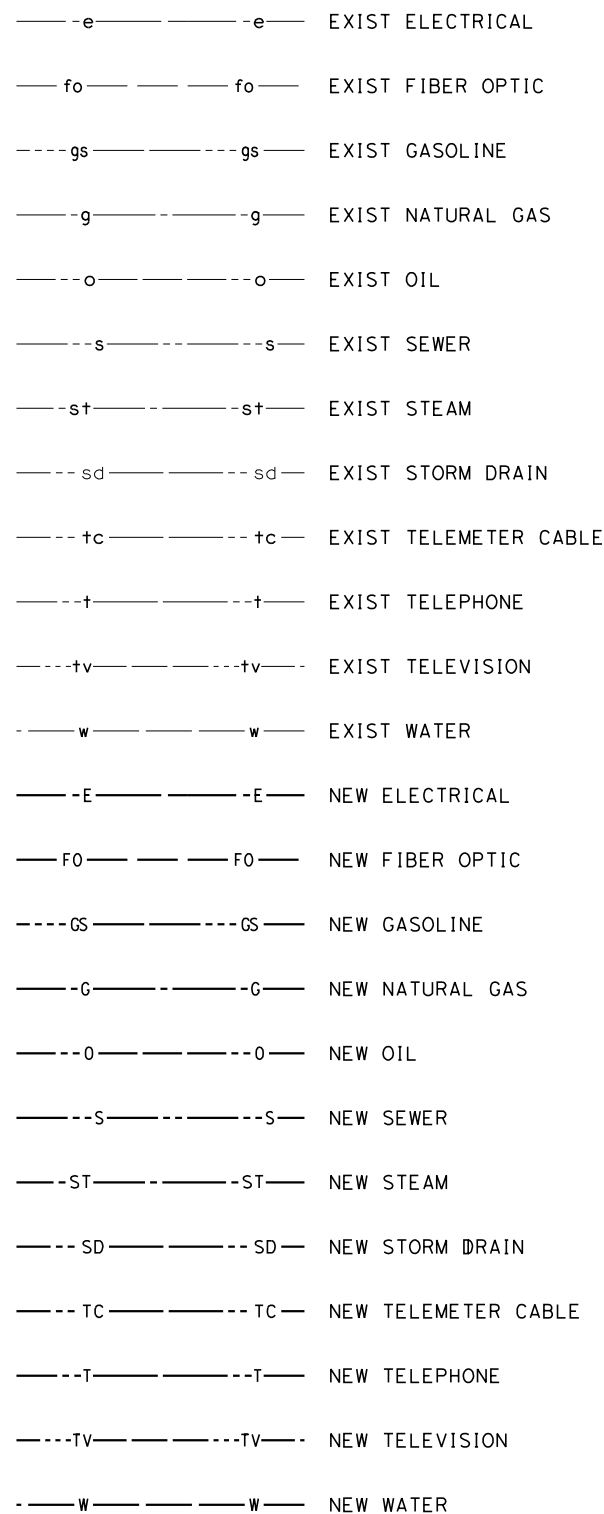
**AERIAL UTILITIES**



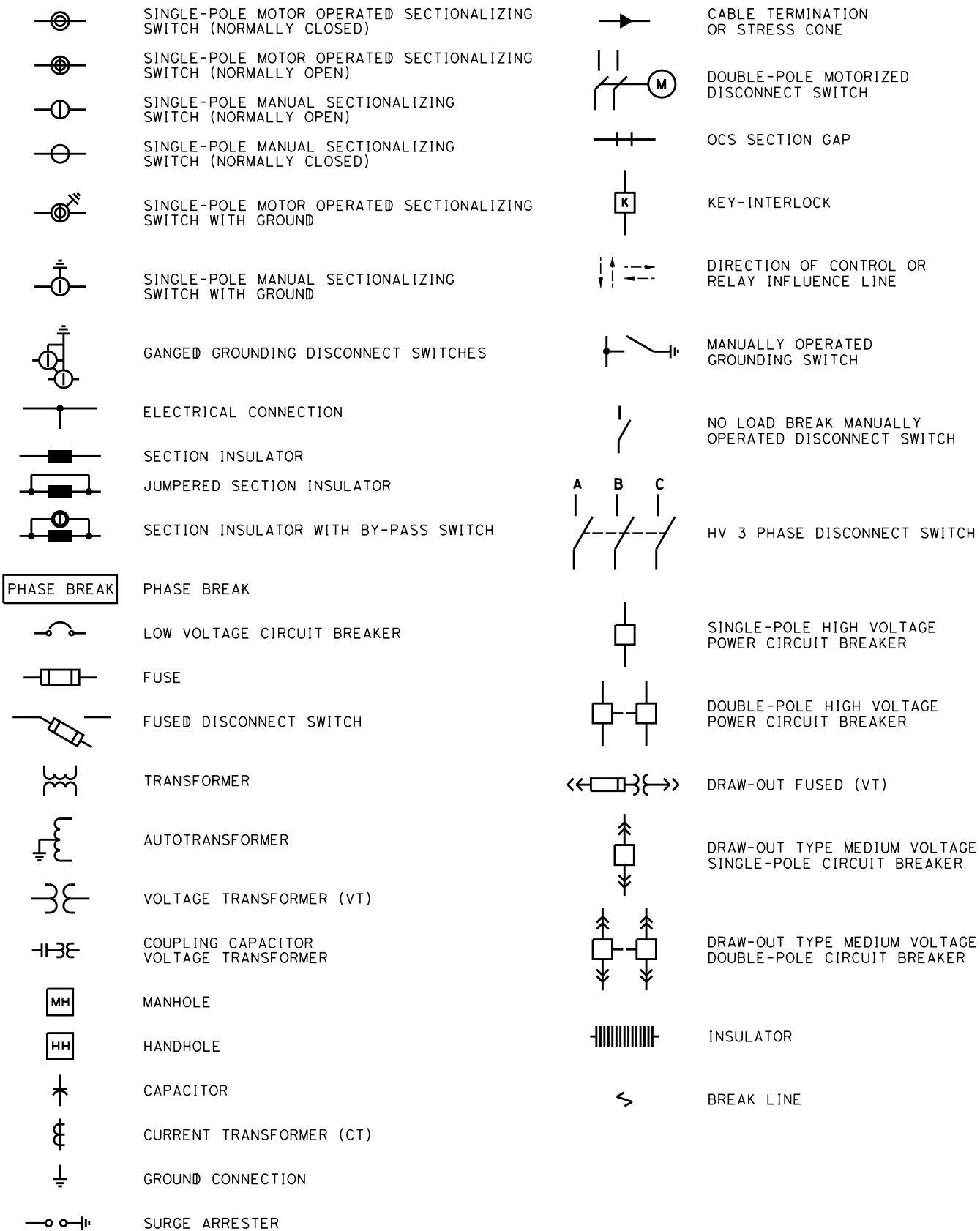
**AERIAL UTILITIES CONTINUED**



**UNDERGROUND UTILITIES**



**TRACTION POWER**



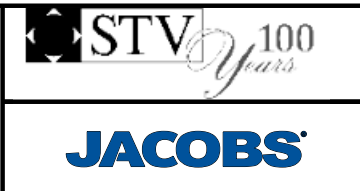
**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

4/30/2019 10:45:46 AM c:\j\p\pwworkdir\haynesma\d0137218\k2l-ge-c0312.dgn haynesma

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. CUSSON**  
DRAWN BY  
**C. CUSSON**  
CHECKED BY  
**K. PIRBAZARI**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
SYMBOLS  
SHEET 2 OF 2

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
GE-C0312  
SCALE  
NO SCALE  
SHEET NO.

**GENERAL NOTES**

**VOLUME 1**

1. FOR UPRR ALIGNMENTS, SEE "TT-D1500" SHEETS.
2. FOR GRADE SEPARATION DETAILS, SEE VOLUME 3.
3. FOR AERIAL STRUCTURE DETAILS, SEE VOLUME 2.
4. RAIL ALIGNMENT BETWEEN MAIN STREET, UNION STATION, AND 1ST STREET IS BEING DESIGNED BY METRO'S LINKUS TEAM. THE ALIGNMENT THAT IS SHOWN IS BASED ON LATEST COORDINATION WITH THEIR TEAM, SHOWN FOR REFERENCE ONLY AND SUBJECT TO CHANGE.
5. SCRRA TURNOUT GEOMETRY IS BASED ON THE 2009 EDITION OF THE SCRRA ENGINEERING STANDARDS.
6. PROPOSED FENCE, WHERE INDICATED ON PLANS, REPRESENT AN ACCESS CONTROL WALL WITH FENCE. REFER TO TM 2.8.2 FOR ACCESS CONTROL FOR HIGH-SPEED RAIL RIGHT-OF-WAY AND FACILITIES.

**VOLUME 2**

1. FOR TRACK INFORMATION, SEE TRACK PLANS IN VOLUME 1.
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS IN VOLUME 1.
3. FOR BRIDGE INFORMATION, SEE STRUCTURAL PLANS IN VOLUME 3.
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS IN VOLUME 4.
5. FOR GRADING INFORMATION, SEE GRADING PLANS IN VOLUME 4.
6. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS IN VOLUME 4.
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS IN VOLUME 4.
8. FOR TRENCH INFORMATION, SEE STRUCTURAL PLANS IN VOLUME 4.
9. ACCESS DETERRING SOLID BARRIER RAILING TO BE INSTALLED ON ALL EXISTING AND PROPOSED OVERHEAD BRIDGE STRUCTURES CROSSING HSR TRACKS PER RDP DIRECTIVE NO. 0006.

**VOLUME 3**

1. FOR TRACK INFORMATION, SEE TRACK PLANS IN VOLUME 1.
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS IN VOLUME 1.
3. FOR AERIAL STRUCTURE INFORMATION, SEE STRUCTURAL PLANS IN VOLUME 2.
4. FOR RETAINING WALL INFORMATION, SEE RETAINING WALL PLANS IN VOLUME 2.
5. FOR UTILITY INFORMATION, SEE UTILITY PLANS IN VOLUME 4.
6. FOR GRADING INFORMATION, SEE GRADING PLANS IN VOLUME 4.
7. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS IN VOLUME 4.
8. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS IN VOLUME 4.
9. FOR TRENCH INFORMATION, SEE STRUCTURAL PLANS IN VOLUME 4.
10. ACCESS DETERRING SOLID BARRIER RAILING TO BE INSTALLED ON ALL EXISTING AND PROPOSED OVERHEAD BRIDGE STRUCTURES CROSSING HSR TRACKS PER RDP DIRECTIVE NO. 0006.

**VOLUME 4**

EXISTING COMPOSITE UTILITY NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS IN VOLUME 1.
2. UTILITY CONFLICTS ON CROSSING STREETS AT EXISTING GRADE SEPARATIONS ARE ANTICIPATED.
3. ONLY THE FOLLOWING UTILITIES SHALL BE CONSIDERED MAJOR AND ARE IDENTIFIED IN THE UTILITY CONFLICTS MATRIX ON THE DRAWINGS.
  - A. WET UTILITIES:
    - I. SEWER, WATER, STORM DRAIN GREATER THAN OR EQUAL TO 12".
    - II. ALL OIL LINES.
    - III. ALL FUEL (GASOLINE) LINES.
  - B. DRY UTILITIES:
    - I. ALL GAS LINES.
    - II. ALL FIBER OPTIC LINES.
    - III. ALL ELECTRIC LINES GREATER THAN 240V.
    - IV. ALL DUCT BANKS WITH 6 OR MORE DUCTS.
    - V. EXCLUDE INDIVIDUAL TELEPHONE, CABLE LINES.
  - C. ALL OTHER CONFLICTS ARE CONSIDERED MINOR AND ARE NOT SHOWN IN THE UTILITY CONFLICT MATRIX.
  - D. UTILITIES AT GRADE SEPARATIONS ARE NOT SHOWN IN THE UTILITY CONFLICTS MATRIX EVEN IF THEY FALL UNDER THE ABOVE CRITERIA SINCE VOLUMES 3 & 4 OFFER MORE SPECIFIC AND ACCURATE INFORMATION REGARDING THE DESIGN.
4. REFER TO TRACK PLANS, VOLUME 1 AND PROPOSED UTILITY PLANS, VOLUME 4, FOR VERTICAL UTILITY CONFLICTS.

**VOLUME 4 (CONT.)**

5. USE LACTMA STANDARD DRAWINGS (2010) FOR TEMPORARY SUPPORT OF UTILITIES IMPACTED BY CUT AND FILL OPERATIONS.

GRADING AND DRAINAGE NOTES:

1. CONTOUR GRADING ALONG THE HSR TRACKS IS BASED ON THE TOP OF SUBGRADE ELEVATIONS. BALLAST IS NOT INCLUDED
2. FOR RETAINING WALL INFORMATION, SEE RETAINING WALL PLANS IN VOLUME 2.

**VOLUME 5**

1. FOR MAIN LINE TRACK INFORMATION, SEE TRACK PLANS IN VOLUME 1.
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS IN VOLUME 1.
3. FOR BRIDGE INFORMATION, SEE STRUCTURAL PLANS IN VOLUME 3.
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS IN VOLUME 4.
5. FOR GRADING INFORMATION WITHIN MAIN LINE ROW, SEE GRADING PLANS IN VOLUME 4.
6. FOR DRAINAGE INFORMATION WITHIN MAIN LINE ROW, SEE DRAINAGE PLANS IN VOLUME 4.
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS IN VOLUME 4.

**VOLUME 6**

1. CONSTRUCTION PHASING PROVIDED FOR PROPOSED WORK SOUTH OF HSR BURBANK STATION TO MAIN STREET. PHASING OF HSR BURBANK STATION AND LINKUS PROJECT NOT INCLUDED AS PART OF THIS SUBMITTAL

**VOLUME 7**

1. HSR BURBANK STATION CONCEPT DESIGN PROVIDED AS REFERENCE TO WORK PROPOSED AS PART OF THE PALMDALE TO BURBANK SEGMENT. FINAL DESIGN COORDINATION REQUIRED AT INTERFACE SOUTH OF STATION.

**VOLUME 8**

1. LINKUS DESIGN PROVIDED AS REFERENCE TO WORK SOUTH OF MAIN STREET EXTENDING INTO LA UNION STATION.
2. FINAL DESIGN COORDINATION REQUIRED AT INTERFACE WEST OF MISSION TOWER BRIDGE. PROPOSED TRACK DESIGN BASED ON BEST AVAILABLE INFORMATION AT TIME OF DESIGN.

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>C. LEE</b>
DRAWN BY <b>C. CUSSON</b>
CHECKED BY <b>K. PIRBAZARI</b>
IN CHARGE <b>K. PIRBAZARI</b>
DATE <b>04/30/2019</b>

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GENERAL NOTES

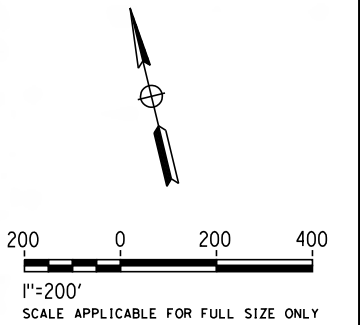
CONTRACT NO. HSR14-39
DRAWING NO. GE-B0311
SCALE NO SCALE
SHEET NO.







4/30/2019 10:48:25 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t0021.dgn



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

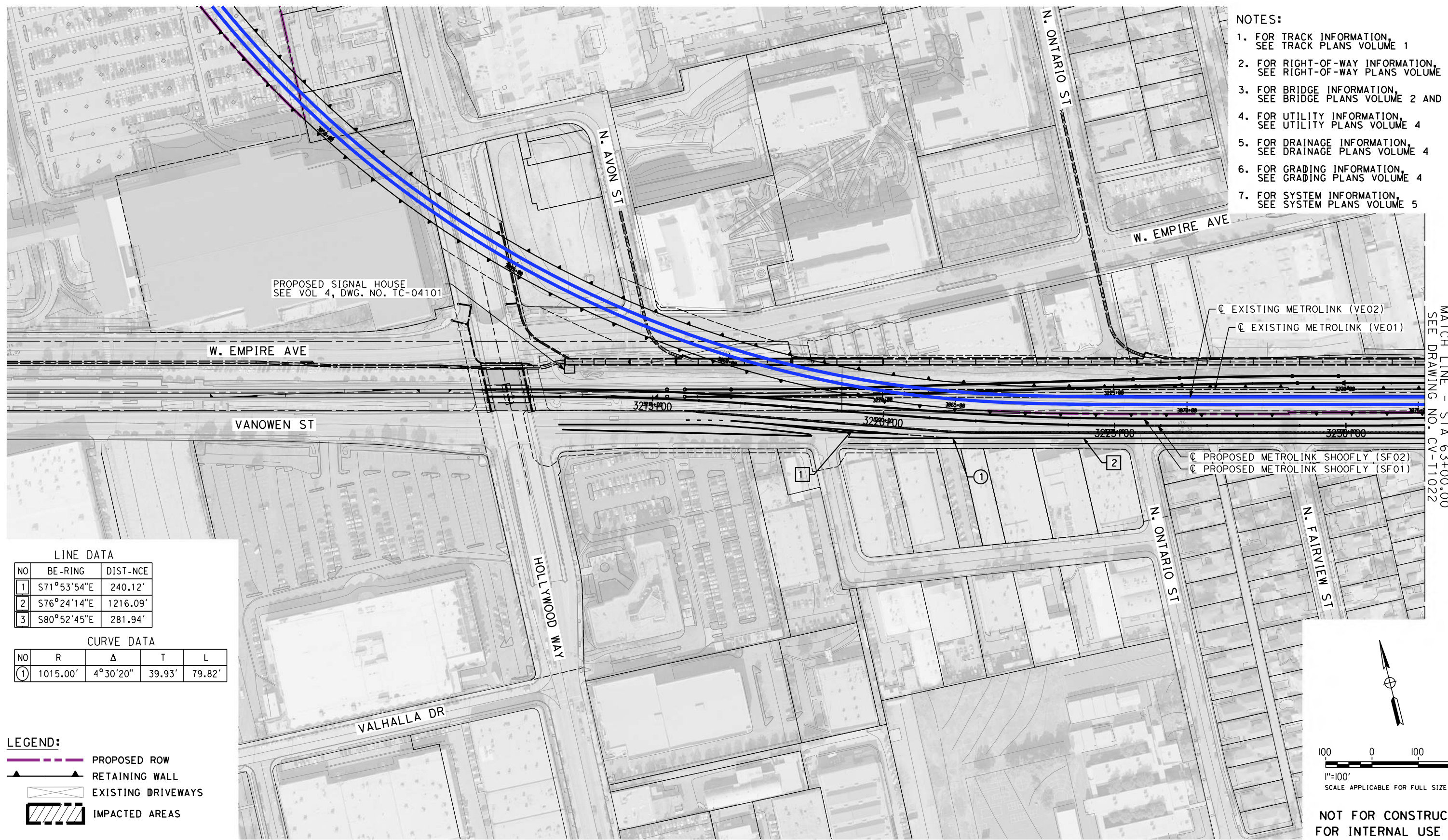
PEPD  
GRADE SEP. - VANOWEN ST/BUENA VISTA RD GRADE CROSSING  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T0021  
SCALE  
AS SHOWN  
SHEET NO.



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



MATCH LINE - STA 63+00.00  
SEE DRAWING NO. CV-T1022

**LINE DATA**

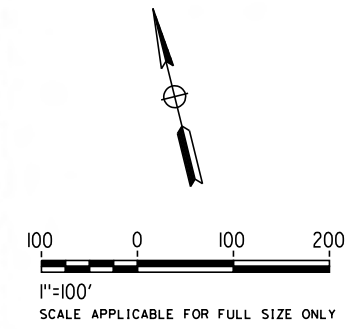
NO	BE-RING	DIST-NCE
1	S71°53'54"E	240.12'
2	S76°24'14"E	1216.09'
3	S80°52'45"E	281.94'

**CURVE DATA**

NO	R	Δ	T	L
①	1015.00'	4°30'20"	39.93'	79.82'

**LEGEND:**

- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS



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4/30/2019 10:50:24 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t1021.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
ROADWAY REALIGNMENT - VANOWEN ST  
TEMPORARY ROAD REALIGNMENT PLAN

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1021  
SCALE  
AS SHOWN  
SHEET NO.

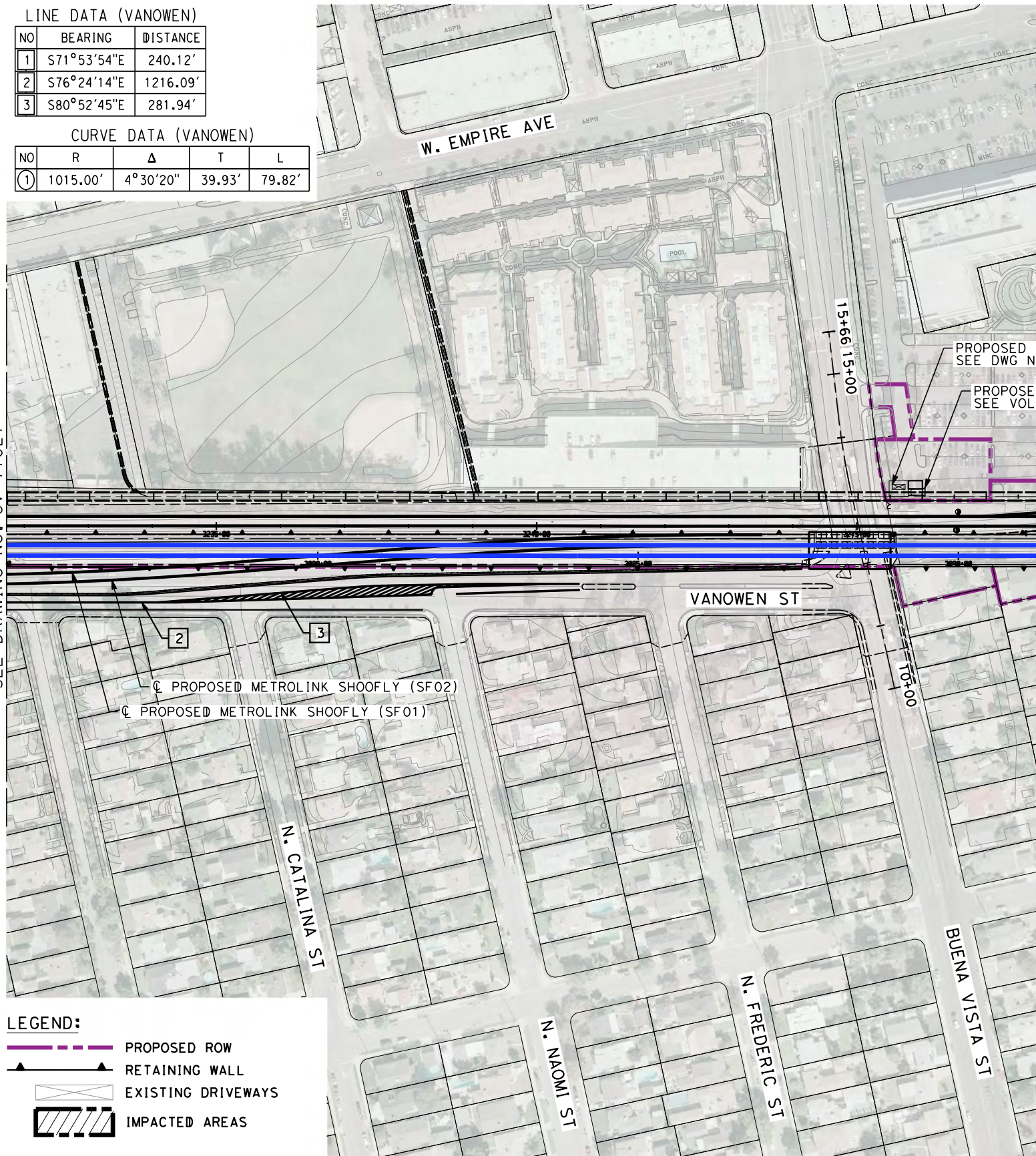


LINE DATA (VANOWEN)

NO	BEARING	DISTANCE
1	S71°53'54"E	240.12'
2	S76°24'14"E	1216.09'
3	S80°52'45"E	281.94'

CURVE DATA (VANOWEN)

NO	R	Δ	T	L
①	1015.00'	4°30'20"	39.93'	79.82'



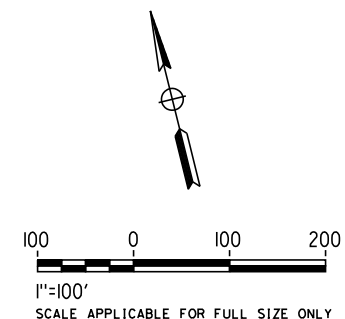
NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

MATCH LINE - STA 63+00.00  
SEE DRAWING NO. CV-T1021

**LEGEND:**

	PROPOSED ROW
	RETAINING WALL
	EXISTING DRIVEWAYS
	IMPACTED AREAS



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4/30/2019 10:52:22 AM c:\jip\pwworkdir\haynesma\d0137103\k2l\cv-t1022.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**

DRAWN BY  
**N. BOWMAN**

CHECKED BY  
**C. LEE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
ROADWAY REALIGNMENT - VANOWEN ST  
INTERIM ROAD REALIGNMENT PLAN

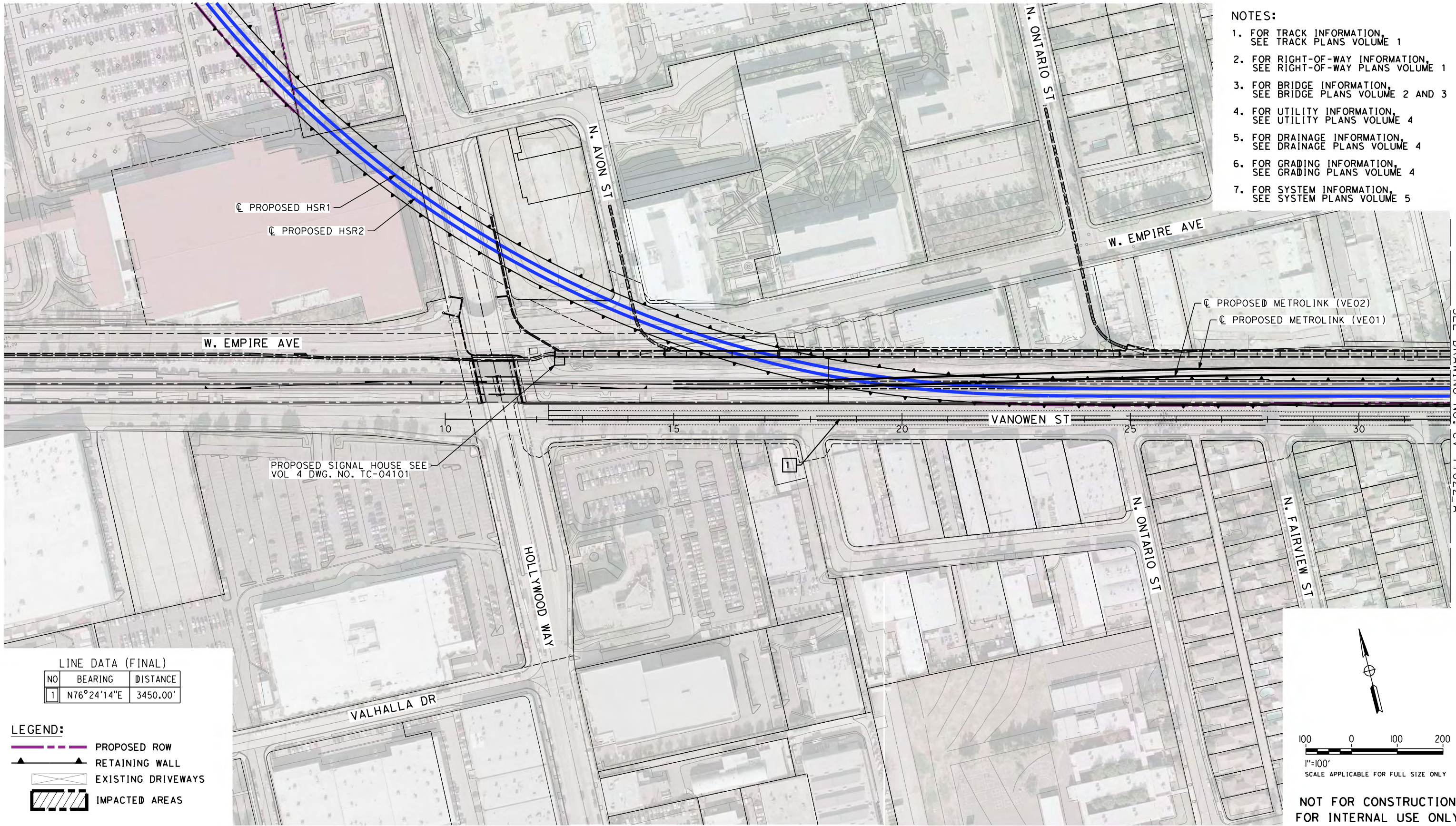
CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1022

SCALE  
AS SHOWN

SHEET NO.





- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

MATCH LINE - STA 32+00.00  
SEE DRAWING NO. CV-T1022\_A

☐ PROPOSED HSR1  
☐ PROPOSED HSR2

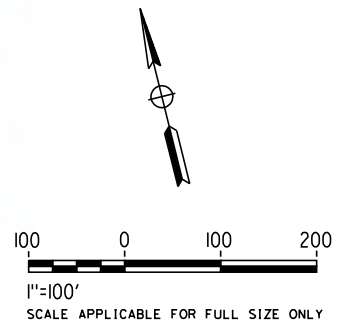
☐ PROPOSED METROLINK (VE02)  
☐ PROPOSED METROLINK (VE01)

PROPOSED SIGNAL HOUSE SEE  
VOL 4 DWG. NO. TC-04101

**LINE DATA (FINAL)**

NO	BEARING	DISTANCE
1	N76°24'14"E	3450.00'

- LEGEND:**
- PROPOSED ROW
  - RETAINING WALL
  - EXISTING DRIVEWAYS
  - IMPACTED AREAS



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4/30/2019 10:53:04 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-T1021\_A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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RECORD SET**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
ROADWAY REALIGNMENT - VANOWEN ST  
FINAL ROAD REALIGNMENT PLAN

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1021\_A  
SCALE  
AS SHOWN  
SHEET NO.



LINE DATA (BUENA VISTA)

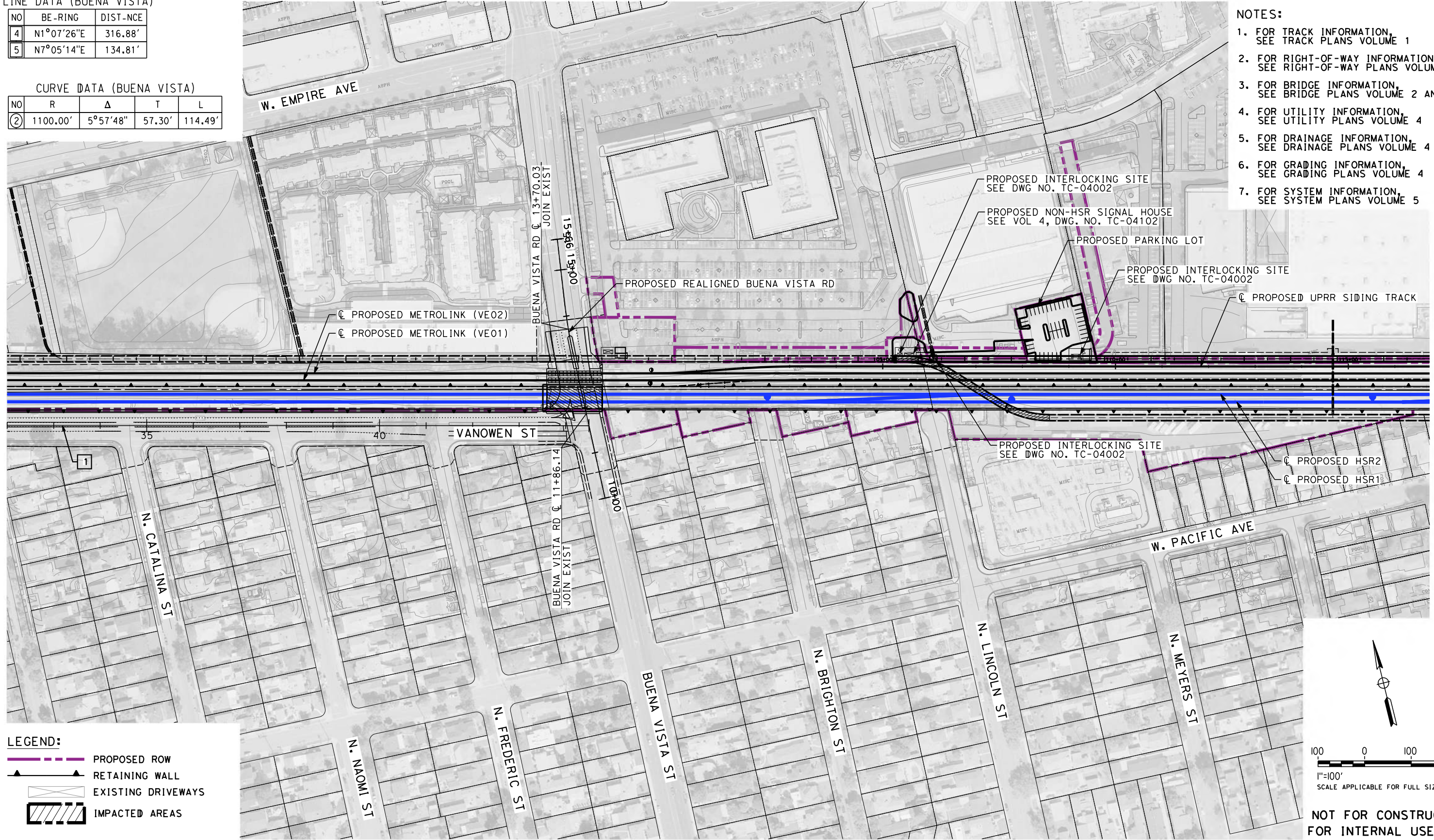
NO	BE-RING	DIST-NCE
4	N1°07'26"E	316.88'
5	N7°05'14"E	134.81'

CURVE DATA (BUENA VISTA)

NO	R	Δ	T	L
②	1100.00'	5°57'48"	57.30'	114.49'

NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**LEGEND:**

- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS

1"=100'  
SCALE APPLICABLE FOR FULL SIZE ONLY

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4/30/2019 10:53:43 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t1022\_a.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



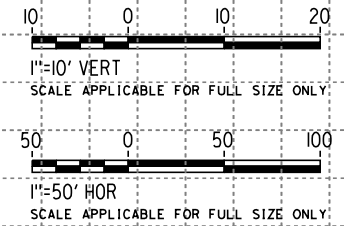
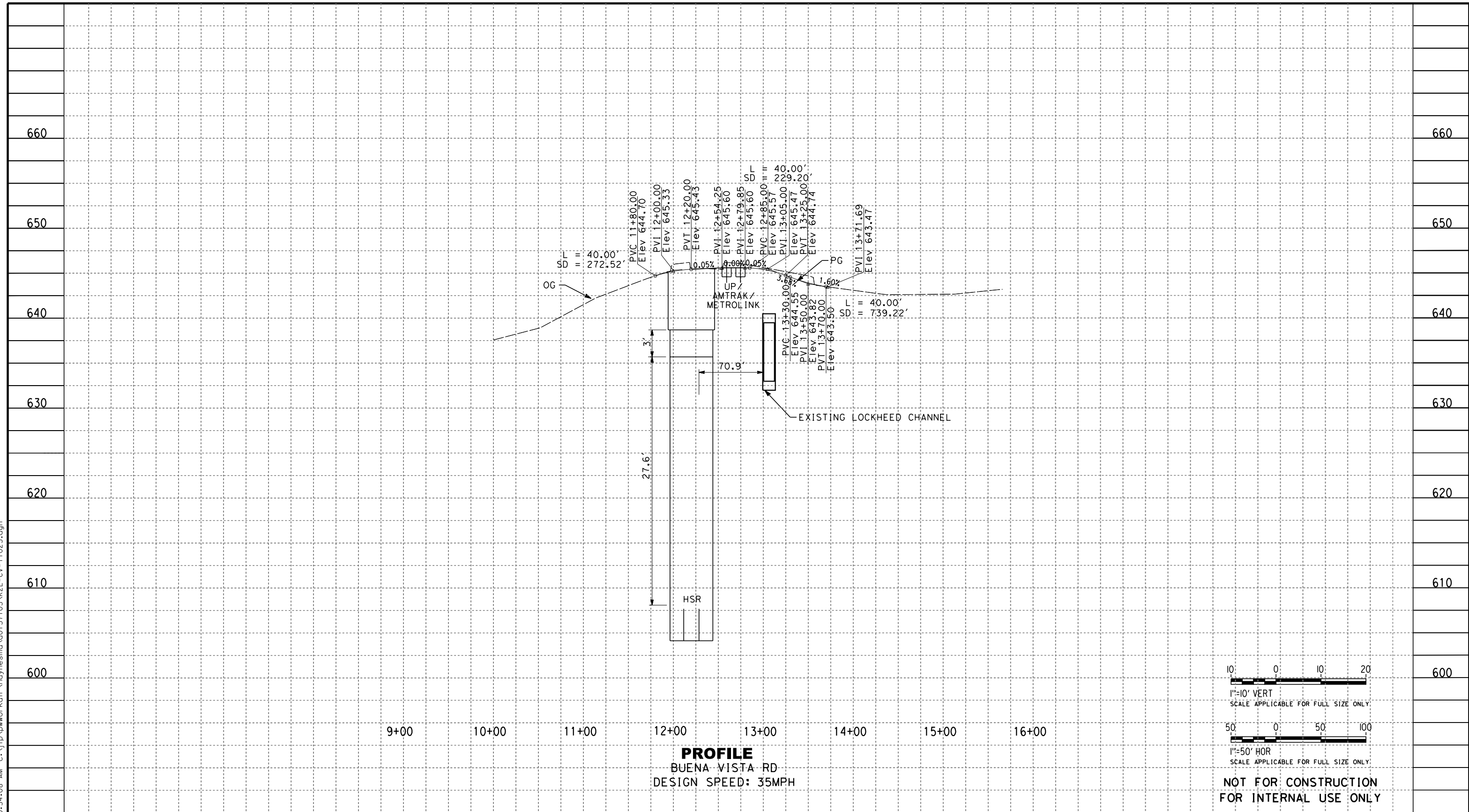
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
ROAD/CROSSING REALIGNMENT - VANOWEN ST/BUENA VISTA RD  
FINAL ROADWAY/GRADE CROSSING PLAN

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1022\_A  
SCALE  
AS SHOWN  
SHEET NO.



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**

DRAWN BY  
**N. BOWMAN**

CHECKED BY  
**C. LEE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE CROSSING REALIGNMENT - BUENA VISTA RD  
GRADE CROSSING PROFILE

CONTRACT NO.  
HSR14-39

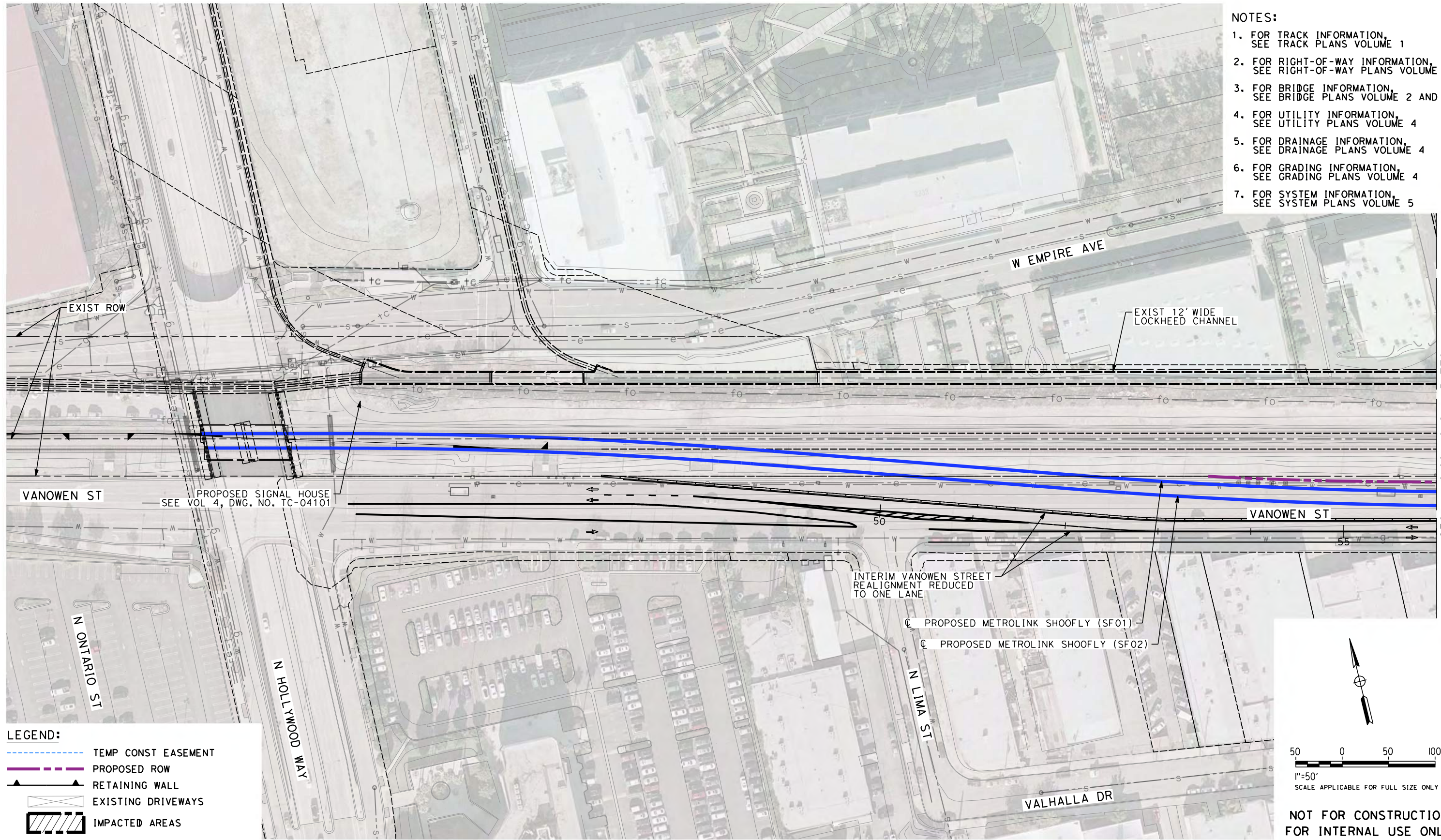
DRAWING NO.  
CV-T1023

SCALE  
AS SHOWN

SHEET NO.

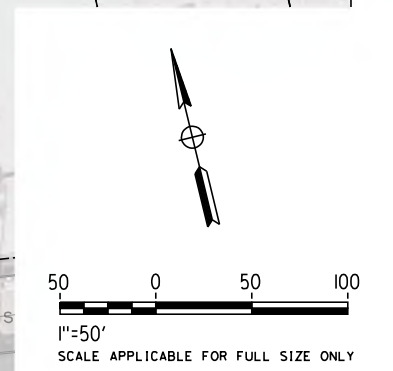


- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



MATCH LINE - STA 56+00.00  
SEE DRAWING NO. CV-T1025

- LEGEND:**
- TEMP CONST EASEMENT
  - PROPOSED ROW
  - RETAINING WALL
  - EXISTING DRIVEWAYS
  - IMPACTED AREAS



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5/2/2019 6:53:49 AM c:\jip\pwworkdir\haynesma\d0137103\k2l-cv-t1024.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



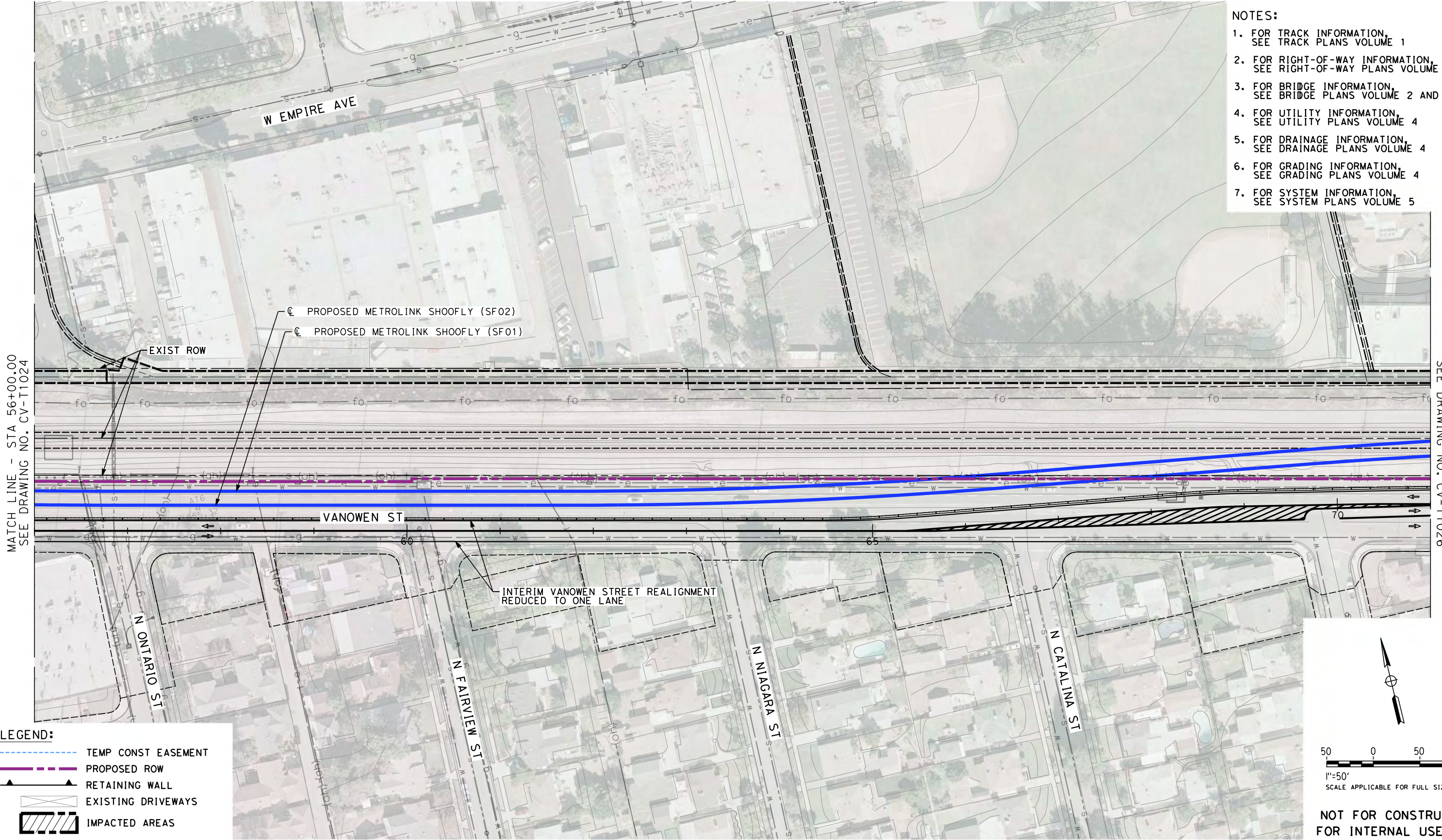
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
INTERIM ROAD REALIGNMENT - VANOWEN ST  
IMPACT PLAN

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1024  
SCALE  
AS SHOWN  
SHEET NO.



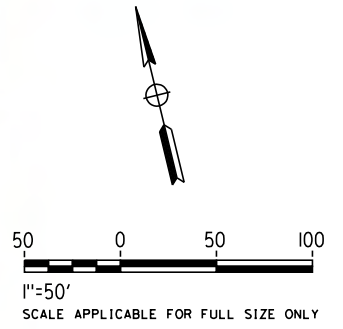
- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



MATCH LINE - STA 56+00.00  
SEE DRAWING NO. CV-T1024

MATCH LINE - STA 71+00.00  
SEE DRAWING NO. CV-T1026

- LEGEND:**
- TEMP CONST EASEMENT
  - PROPOSED ROW
  - ▲ RETAINING WALL
  - EXISTING DRIVEWAYS
  - ▨ IMPACTED AREAS



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**

DRAWN BY  
**N. BOWMAN**

CHECKED BY  
**C. LEE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
INTERIM ROAD REALIGNMENT - VANOWEN ST  
IMPACT PLAN

CONTRACT NO.  
HSR14-39

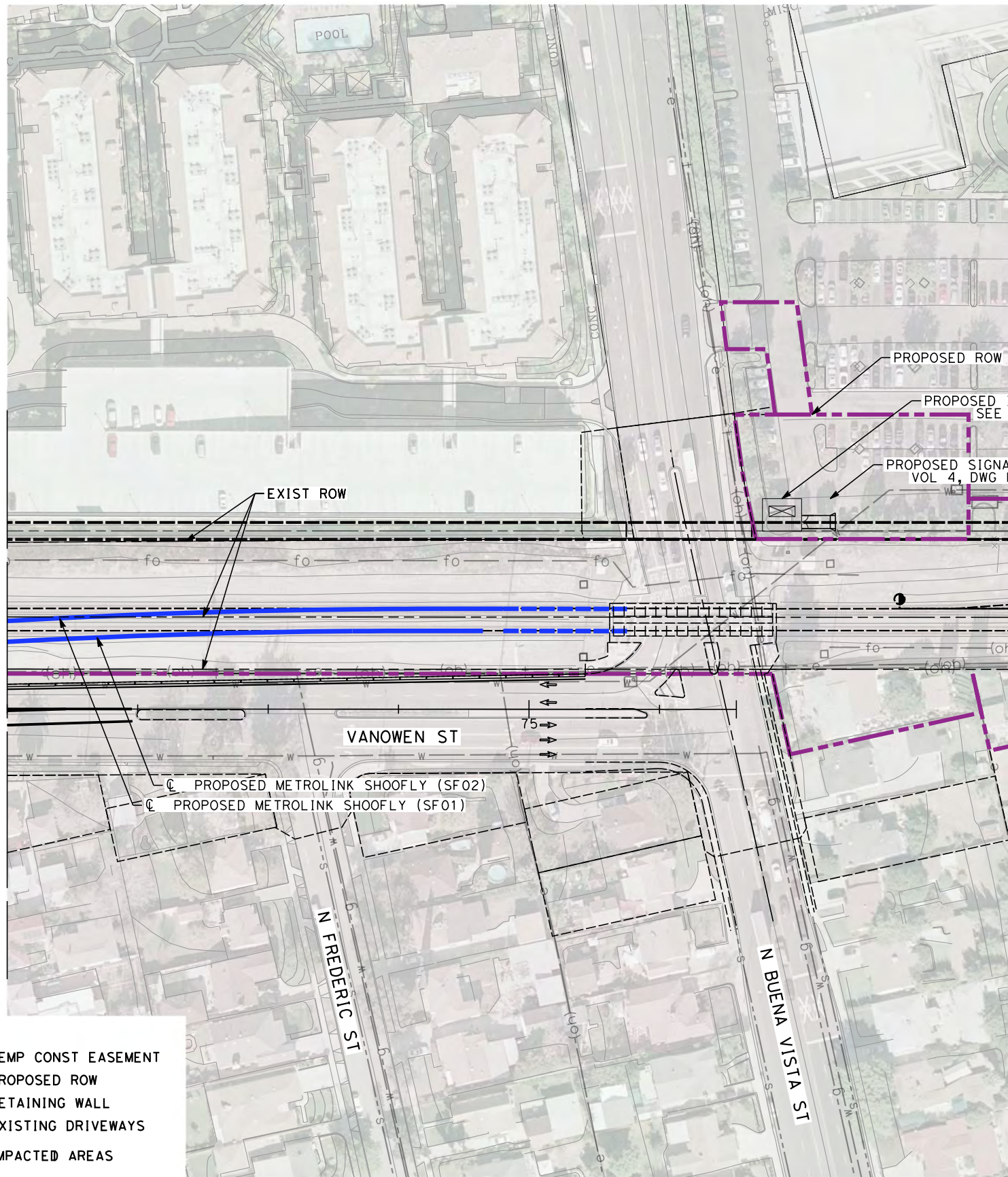
DRAWING NO.  
CV-T1025

SCALE  
AS SHOWN

SHEET NO.

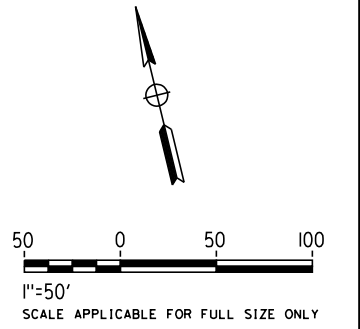


5/2/2019 6:57:30 AM c:\j\p\work\dir\haynesma\d0137103\k2L\CV-T1026.dgn



- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

- LEGEND:**
- TEMP CONST EASEMENT
  - PROPOSED ROW
  - RETAINING WALL
  - EXISTING DRIVEWAYS
  - IMPACTED AREAS



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



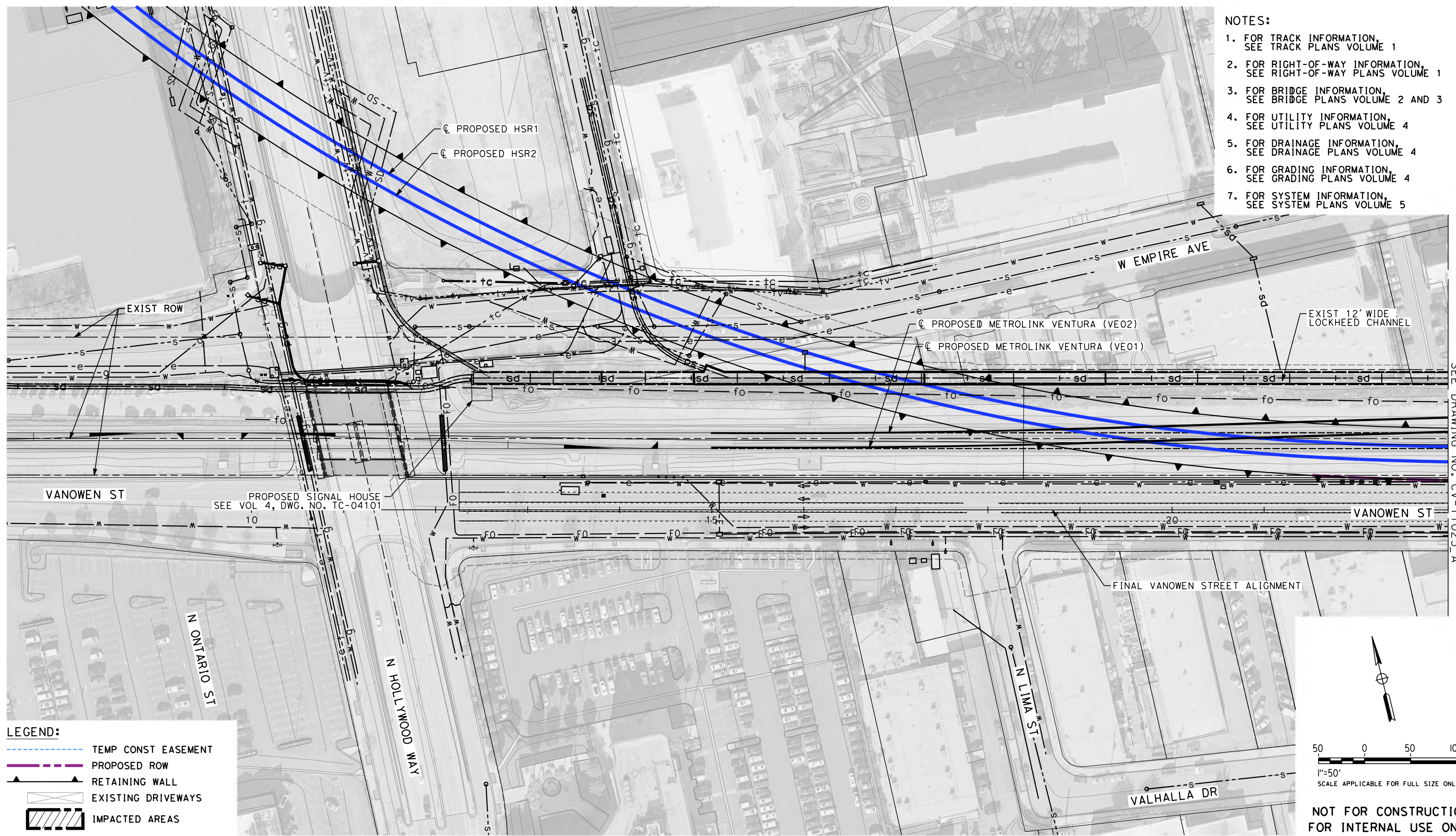
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
INTERIM ROADWAY REALIGNMENT - VANOWEN ST  
IMPACT PLAN

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1026  
SCALE  
AS SHOWN  
SHEET NO.



- NOTES:
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



MATCH LINE - STA 23+00.00  
SEE DRAWING NO. CV-T1025\_A

**LEGEND:**

- TEMP CONST EASEMENT
- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS

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4/30/2019 10:56:32 AM c:\j\p\work\dir\haynesma\d0137103\k2l\cv-t1024\_a.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**

DRAWN BY  
**N. BOWMAN**

CHECKED BY  
**C. LEE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
FINAL ROAD REALIGNMENT - VANOWEN ST  
IMPACT PLAN

CONTRACT NO.  
HSR14-39

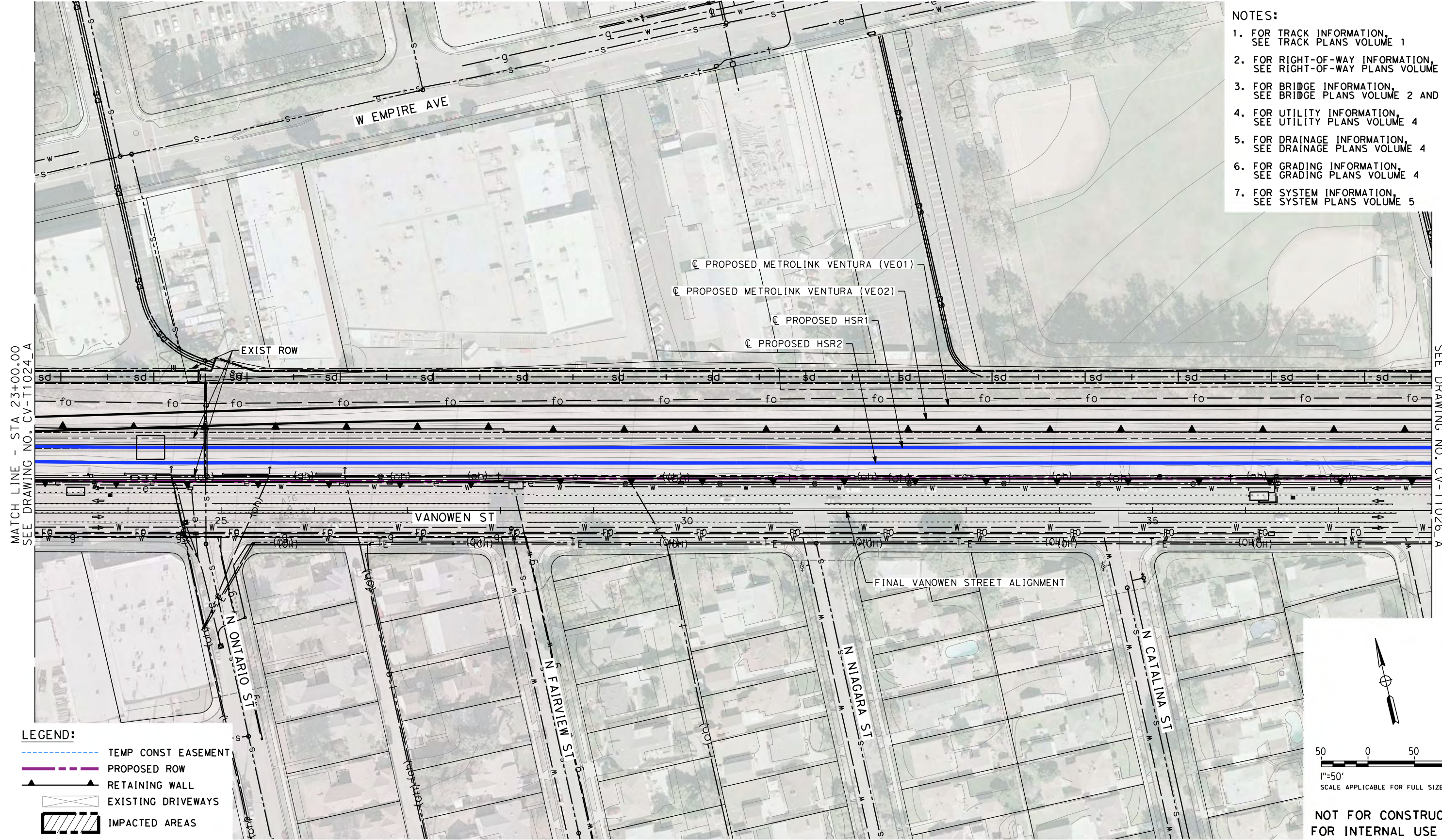
DRAWING NO.  
CV-T1024\_A

SCALE  
AS SHOWN

SHEET NO.



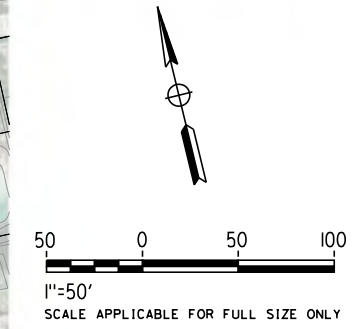
- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



MATCH LINE - STA 23+00.00  
SEE DRAWING NO. CV-T1024\_A

MATCH LINE - STA 38+00.00  
SEE DRAWING NO. CV-T1026\_A

- LEGEND:**
- TEMP CONST EASEMENT
  - PROPOSED ROW
  - ▲ RETAINING WALL
  - ▭ EXISTING DRIVEWAYS
  - ▨ IMPACTED AREAS



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REV	DATE	BY	CHK	APP	DESCRIPTION

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**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**

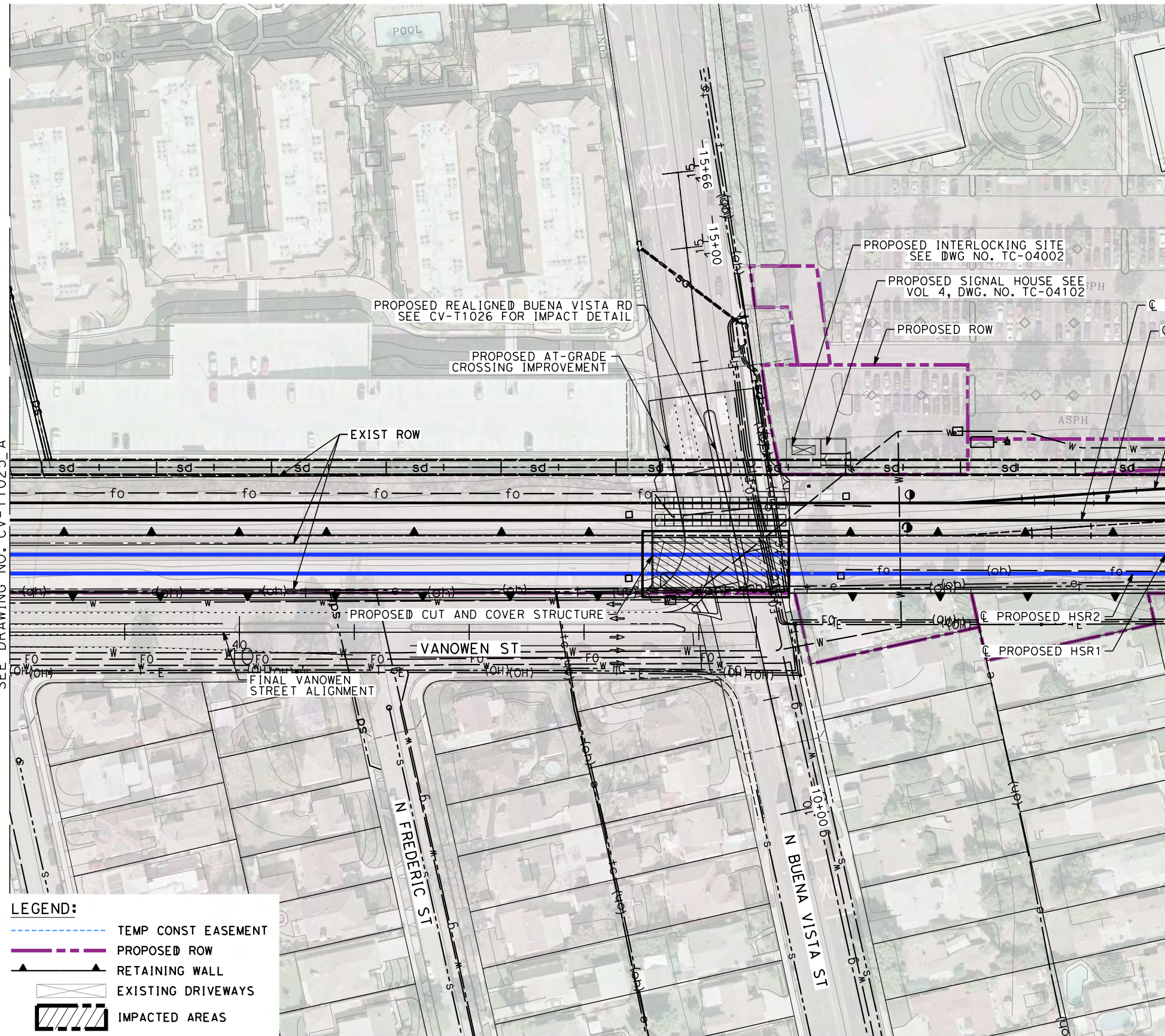


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
FINAL ROAD REALIGNMENT - VANOWEN ST  
IMPACT PLAN

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1025\_A  
SCALE  
AS SHOWN  
SHEET NO.





**NOTES:**

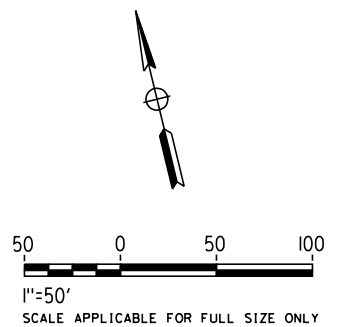
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

MATCH LINE - STA 38+00.00  
SEE DRAWING NO. CV-T1025\_A

**LEGEND:**

- TEMP CONST EASEMENT
- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS

- PROPOSED METROLINK VENTURA (VE02)
- PROPOSED METROLINK VENTURA (VE01)
- PROPOSED UPRR SIDING TRACK



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4/30/2019 10:57:54 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t1026\_a.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

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**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

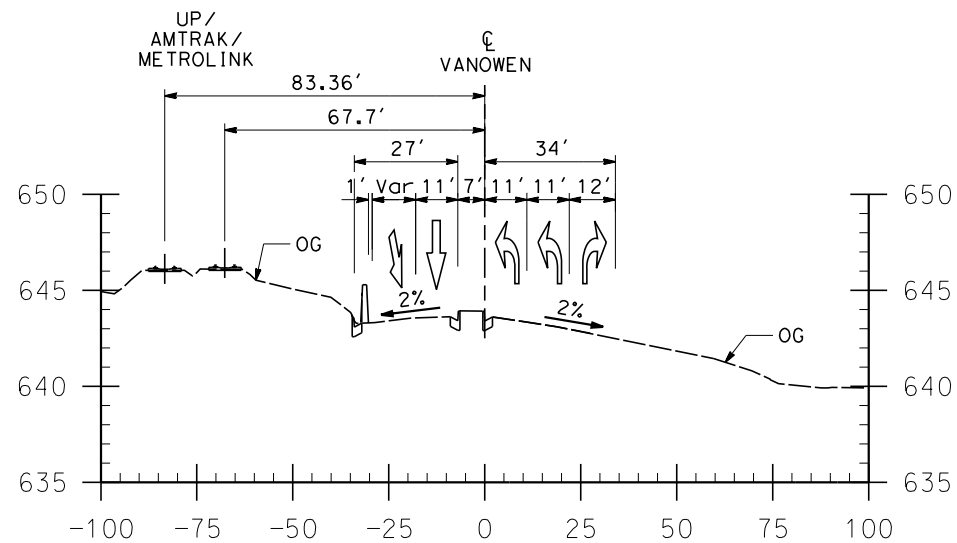
PEPD  
FINAL ROAD/CROSSING REALIGN-VANOWEN ST/BUENA VISTA RD  
IMPACT PLAN

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1026\_A  
SCALE  
AS SHOWN  
SHEET NO.

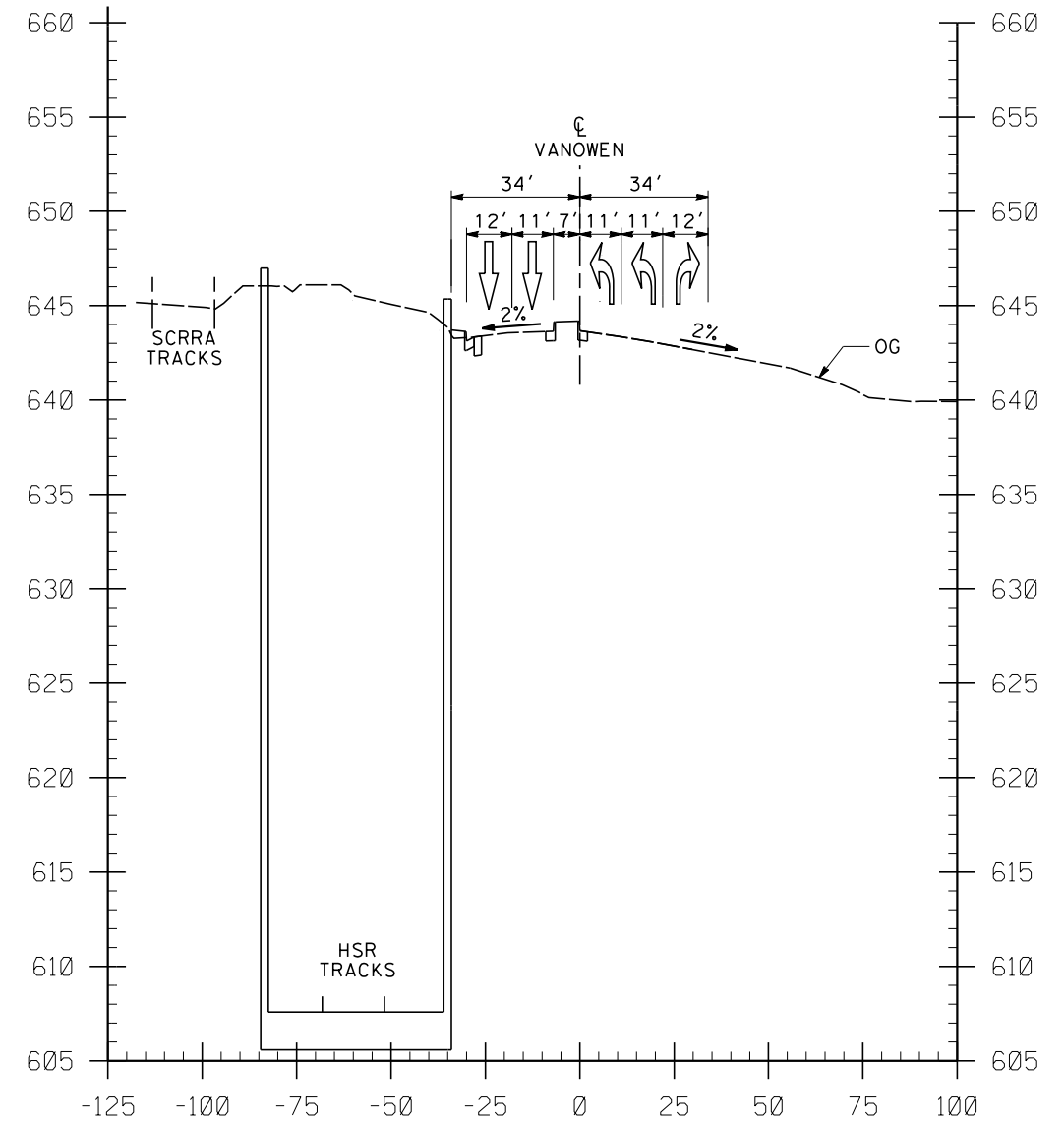


NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



INTERIM CONDITION - VANOWEN  
 STA 43+00  
 CV-T1026 NO SCALE (C)



FINAL CONDITION - VANOWEN  
 STA 43+00  
 CV-T1026 NO SCALE (D)

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4/30/2019 10:58:02 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t3021.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**N. BOWMAN**  
 DRAWN BY  
**A. CORTEZ**  
 CHECKED BY  
**C. LEE**  
 IN CHARGE  
**K. PIRBAZARI**  
 DATE  
**04/30/2019**

**PEPD  
 RECORD SET**

**NOT FOR  
 CONSTRUCTION**



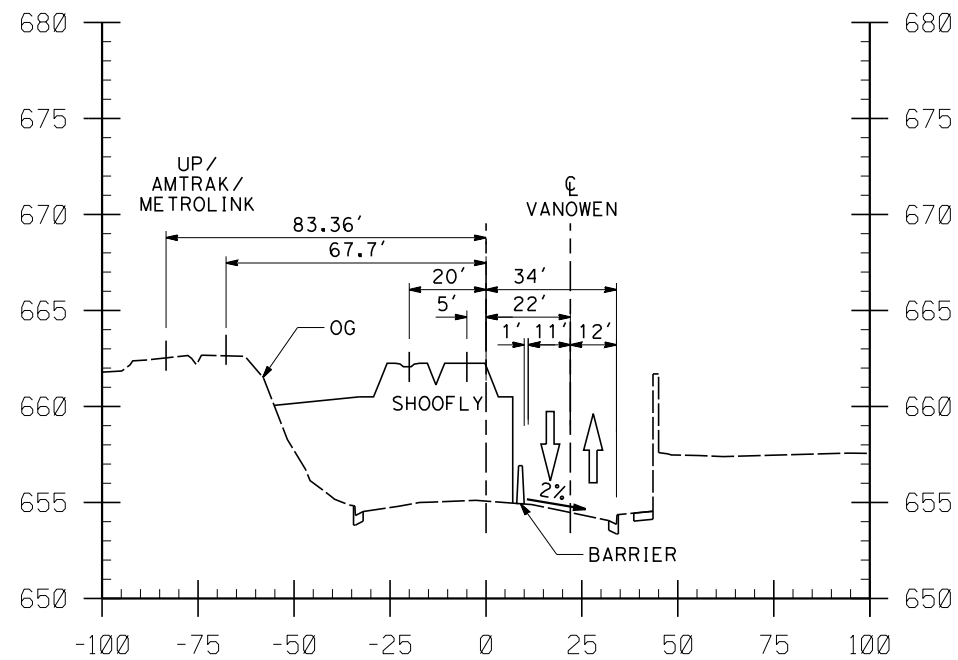
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
 BURBANK TO LOS ANGELES**

PEPD  
 ROADWAY REALIGNMENT - VANOWEN ST  
 CROSS-SECTION

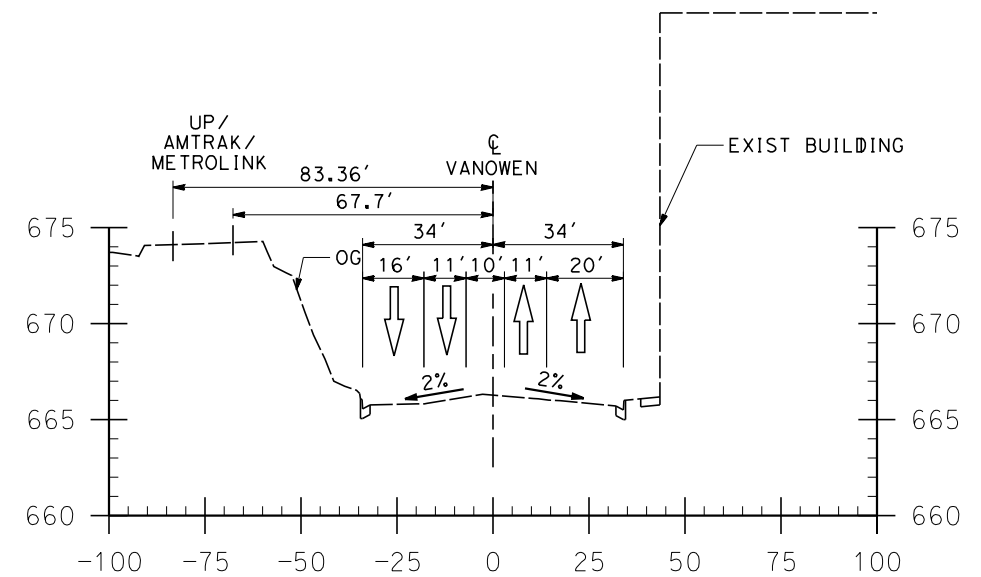
CONTRACT NO.  
 HSR14-39  
 DRAWING NO.  
 CV-T3021  
 SCALE  
 AS SHOWN  
 SHEET NO.

NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



TEMP SHOOFLY CONDITION VANOWEN  
 STA 26+00  
 CV-T1025 NO SCALE (B)



EXISTING CONDITION VANOWEN  
 STA 15+00  
 CV-T1024 NO SCALE (A)

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4/30/2019 10:58:06 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t3022.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
 DRAWN BY  
**N. BOWMAN**  
 CHECKED BY  
**C. LEE**  
 IN CHARGE  
**K. PIRBAZARI**  
 DATE  
**04/30/2019**

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



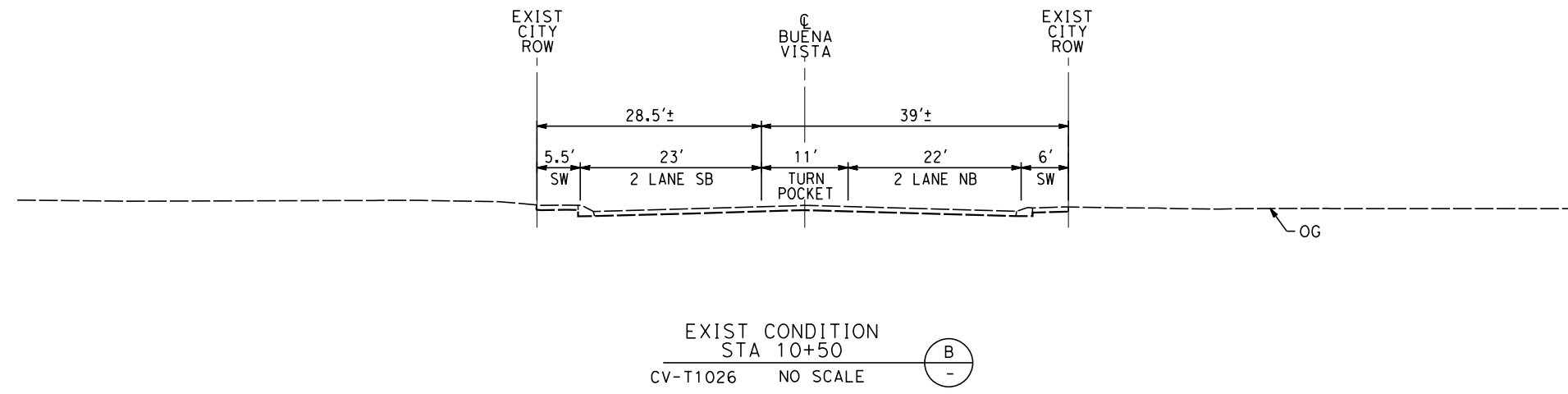
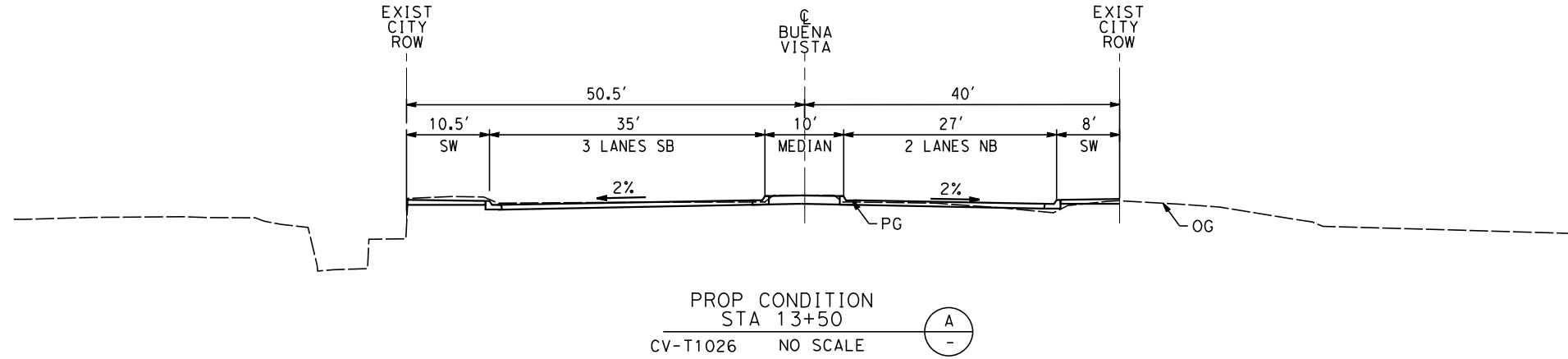
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
 BURBANK TO LOS ANGELES**  
  
 PEPD  
 ROADWAY REALIGNMENT - VANOWEN ST  
 CROSS-SECTION

CONTRACT NO.  
 HSR14-39  
 DRAWING NO.  
 CV-T3022  
 SCALE  
 AS SHOWN  
 SHEET NO.



NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



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4/30/2019 10:58:10 AM c:\jip\pwworkdir\haynesma\d0137103\k2l-cv-t3023.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**

DRAWN BY  
**N. BOWMAN**

CHECKED BY  
**C. LEE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

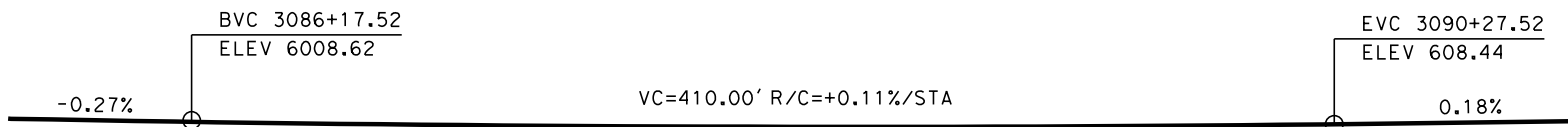
PEPD  
GRADE CROSSING - BUENA VISTA RD  
CROSS-SECTION

CONTRACT NO.  
HSR14-39

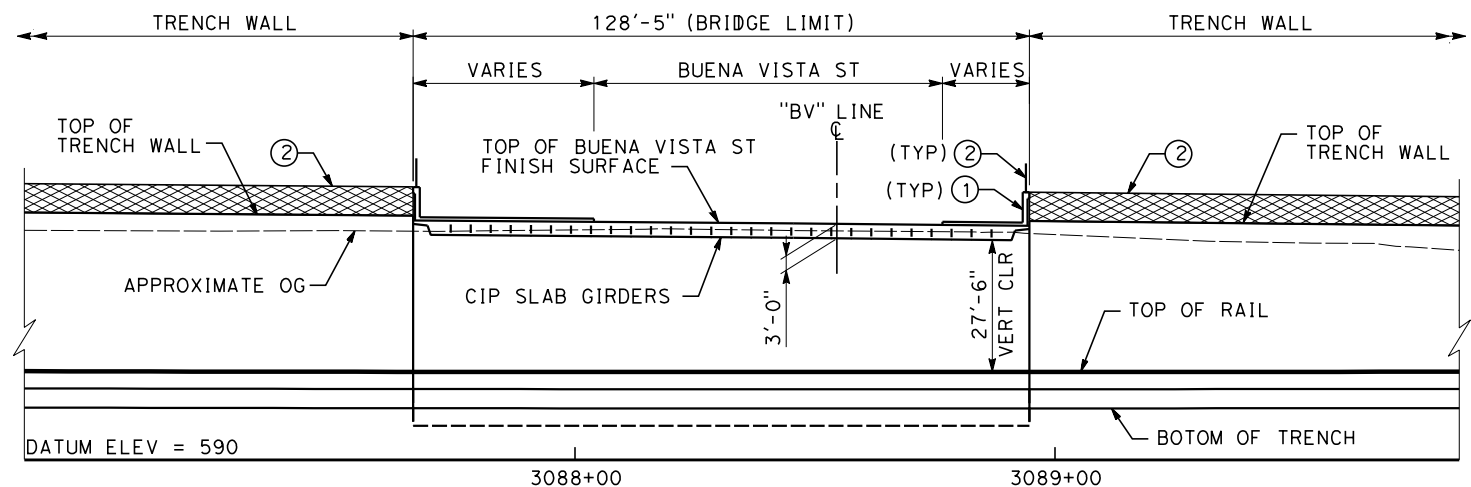
DRAWING NO.  
CV-T3023

SCALE  
AS SHOWN

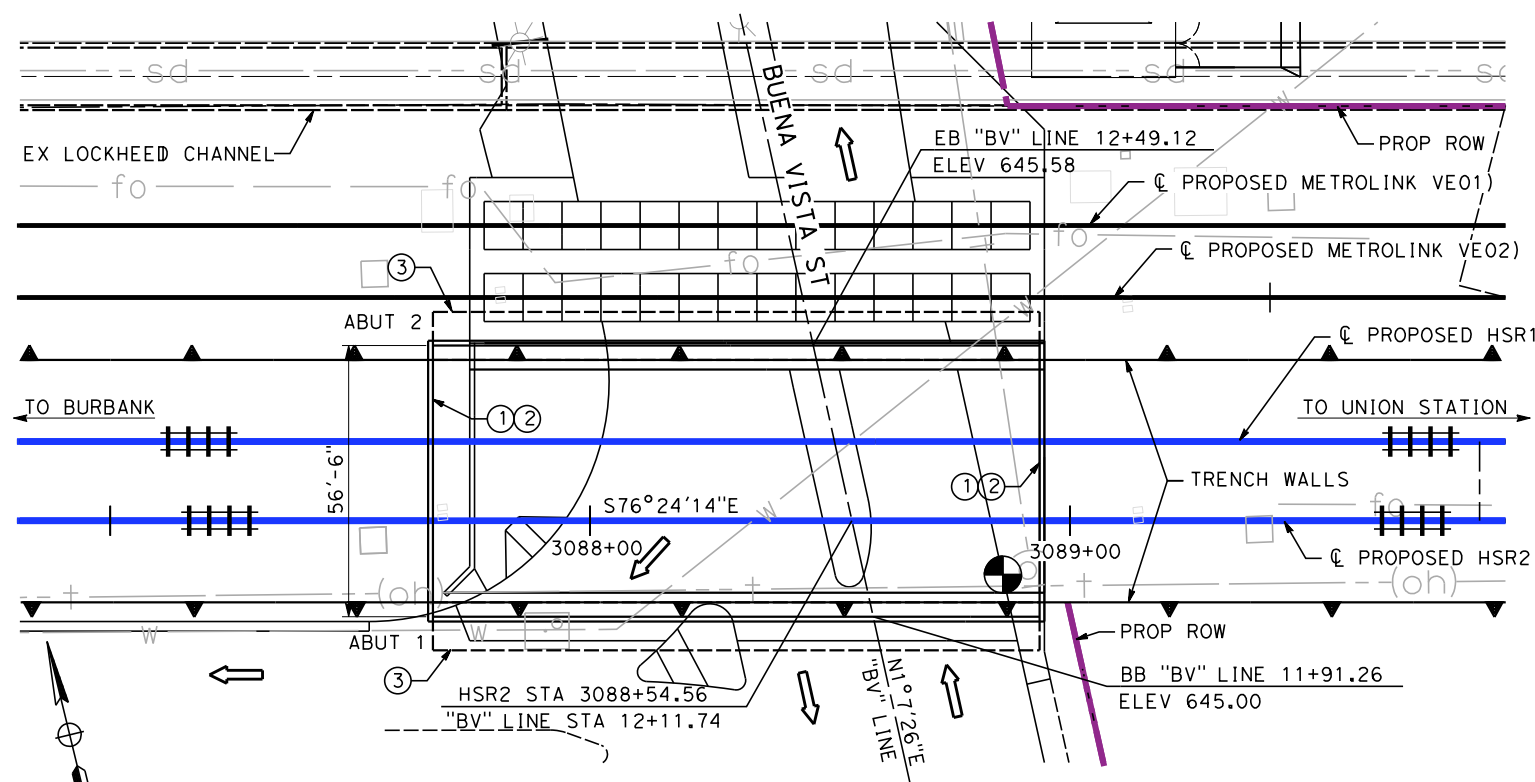
SHEET NO.



**TOP OF RAIL PROFILE (HSR2)**  
NO SCALE



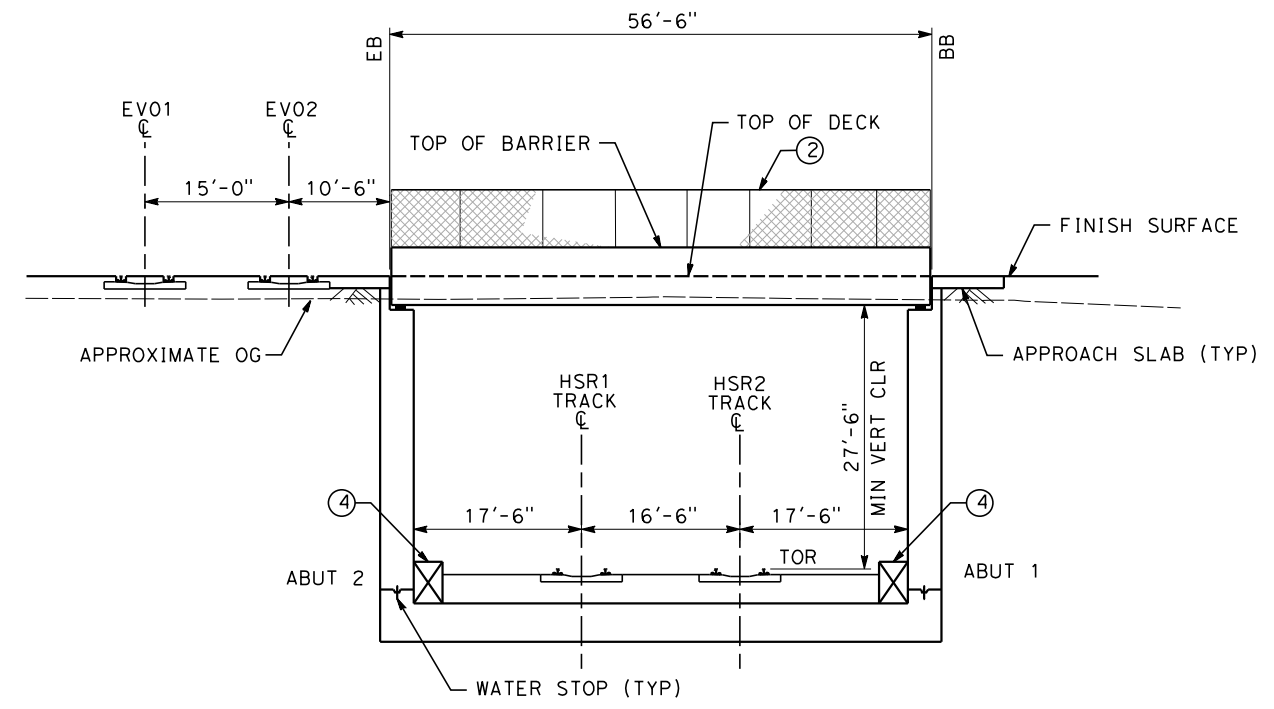
**ELEVATION**  
SCALE: 1"=20'



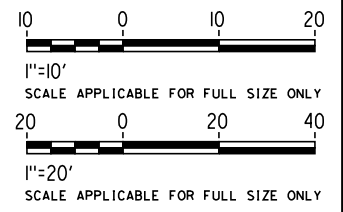
**PLAN**  
SCALE: 1"=20'

- NOTES**
- ① BARRIER
  - ② CHAIN LINK RAILING
  - ③ STRUCTURE APPROACH SLAB
  - ④ WALKWAY (3'-0" WIDE)

- LEGEND**
- ➔ INDICATES DIRECTION OF TRAFFIC
  - ▤▤▤▤ INDICATES RAILROAD AND HST TRACKS
  - INDICATES LOCATION OF MINIMUM CLEARANCE



**TYPICAL SECTION**  
SCALE: 1"=10'



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4/30/2019 10:59:07 AM c:\jip\pwworkdir\haynesma\d0137172\k2l-st-k1021.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**B. DENG**

DRAWN BY  
**P. ZUCCHI**

CHECKED BY  
**K. PIRBAZARI**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - BUENA VISTA OVERPASS  
GENERAL PLAN SHEET 1 OF 1

CONTRACT NO.  
HSR14-39

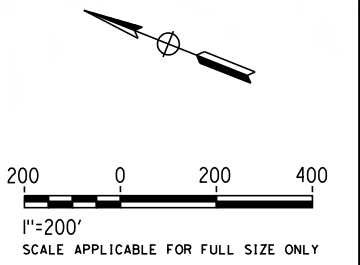
DRAWING NO.  
ST-K1021

SCALE  
AS SHOWN

SHEET NO.



4/30/2019 10:59:47 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T0031.dgn



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - VICTORY PLACE UNDERPASS  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T0031  
SCALE  
AS SHOWN  
SHEET NO.



**LINE DATA**

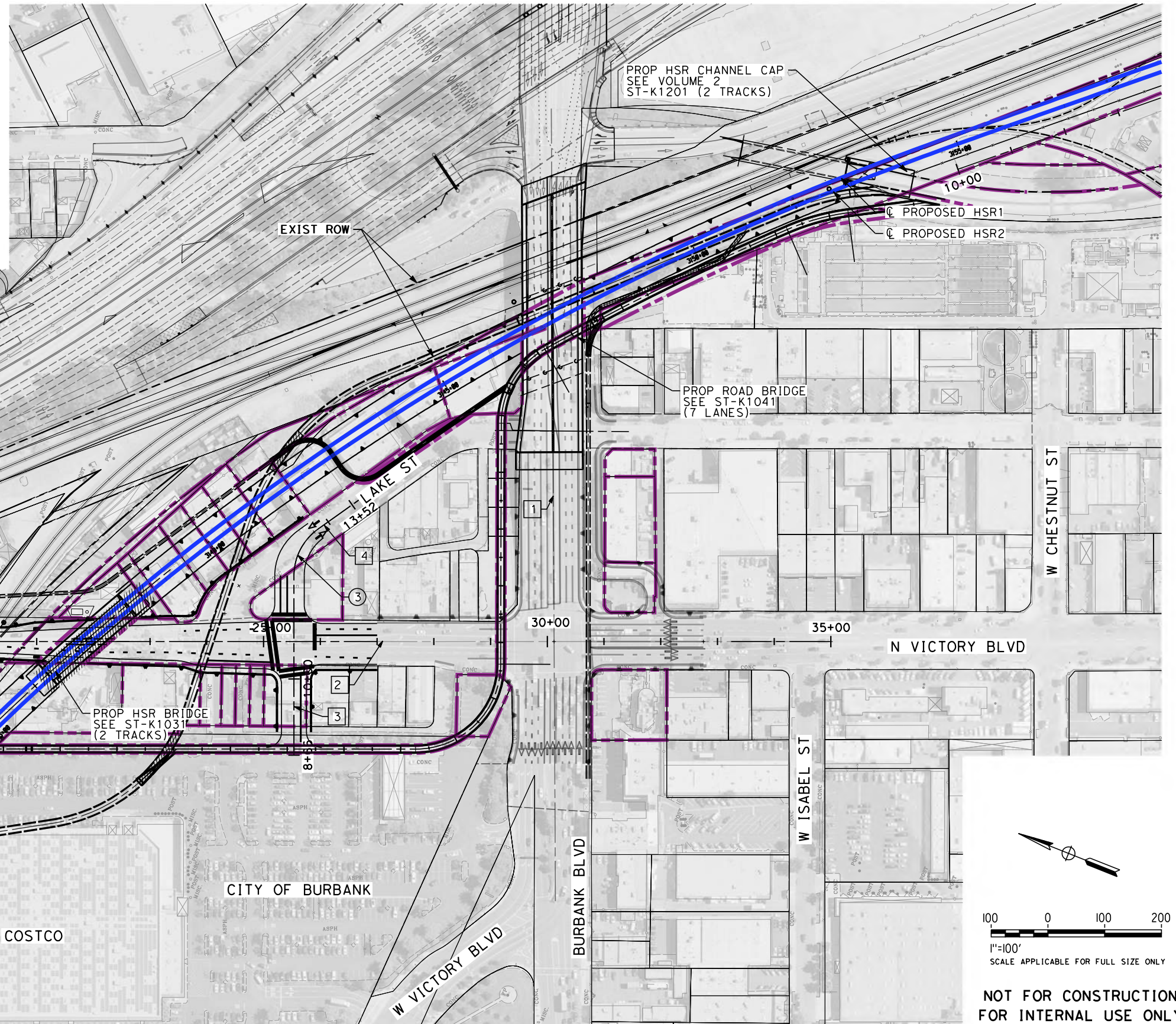
NO	BE-RING	DIST-NCE
1	N67°59'31"E	1396.76
2	S21°42'19"E	1782.34
3	N68°11'47"E	257.25'
4	S57°18'48"E	245.17'

**CURVE DATA**

NO	R	Δ	T	L
①	17103.80	0°44'56"	111.80	223.60
②	540.00'	25°13'42"	120.84	237.77
③	60.00'	54°29'25"	30.90'	57.06'

**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**LEGEND:**

- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS

100 0 100 200  
1"=100'  
SCALE APPLICABLE FOR FULL SIZE ONLY

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4/30/2019 11:01:01 AM c:\jip\pwworkdir\haynesma\d0137103\k2l-cv-t1031.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



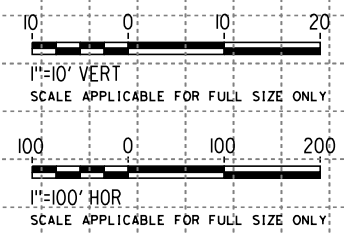
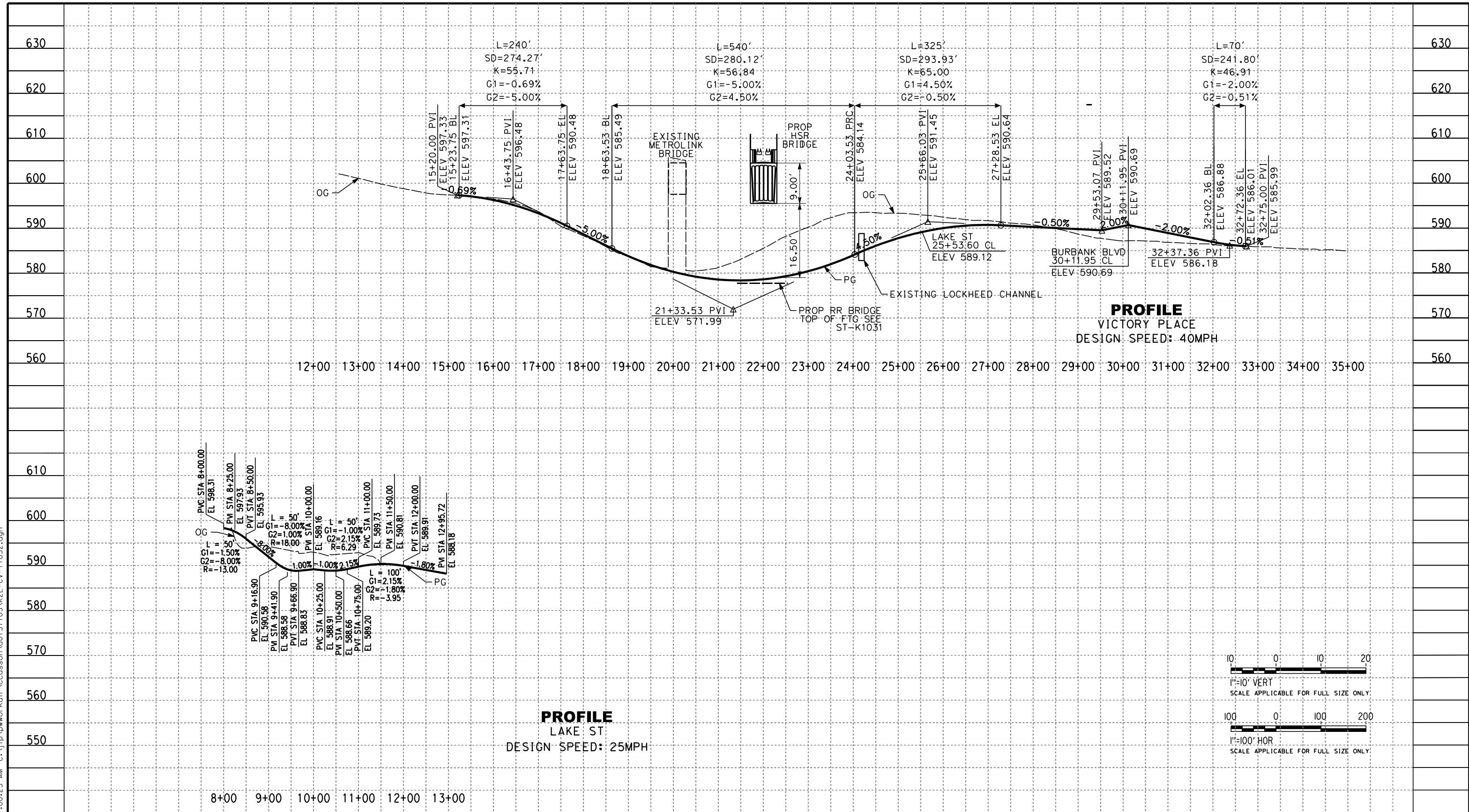
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - VICTORY PL UNDERPASS  
PLAN

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1031  
SCALE  
AS SHOWN  
SHEET NO.



5/1/2019 11:00:23 AM c:\j\p\pwworkdir\accusson\d0137103\K2L-CV-T1032.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**

DRAWN BY  
**N. BOWMAN**

CHECKED BY  
**C. LEE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - VICTORY PL UNDERPASS  
PROFILE

CONTRACT NO.  
HSR14-39

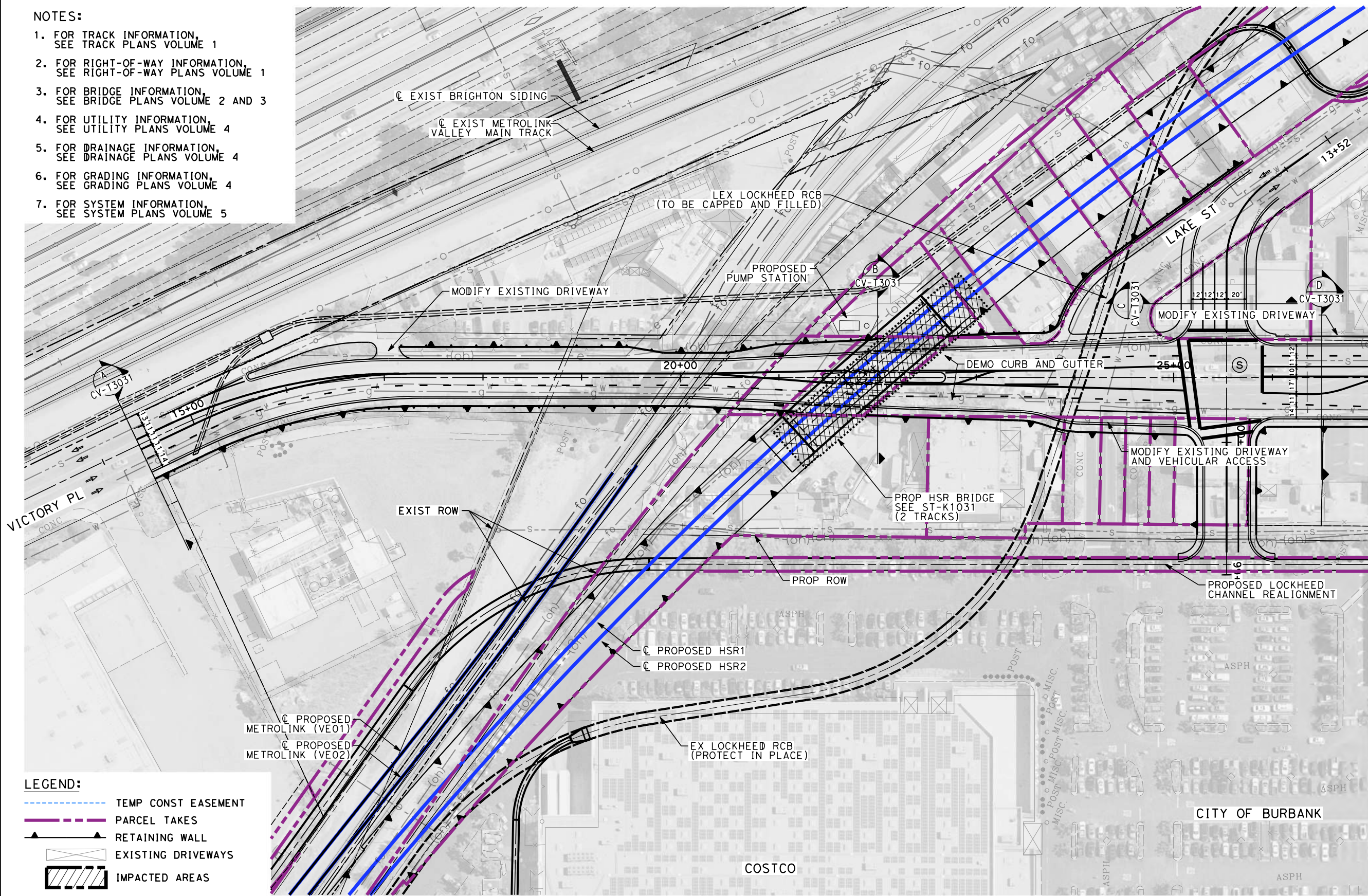
DRAWING NO.  
CV-T1032

SCALE  
AS SHOWN

SHEET NO.

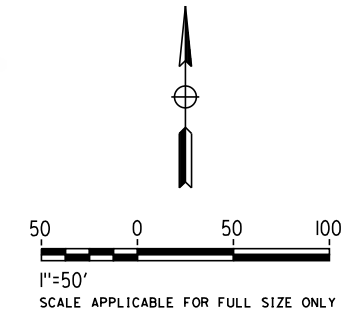


- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



MATCH LINE - STA 27+00.00 SEE DRAWING NO. CV-T1043

- LEGEND:**
- TEMP CONST EASEMENT
  - - - PARCEL TAKES
  - ▲ RETAINING WALL
  - ▭ EXISTING DRIVEWAYS
  - ▨ IMPACTED AREAS



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4/30/2019 11:02:21 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L\k2L-CV-T1033.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

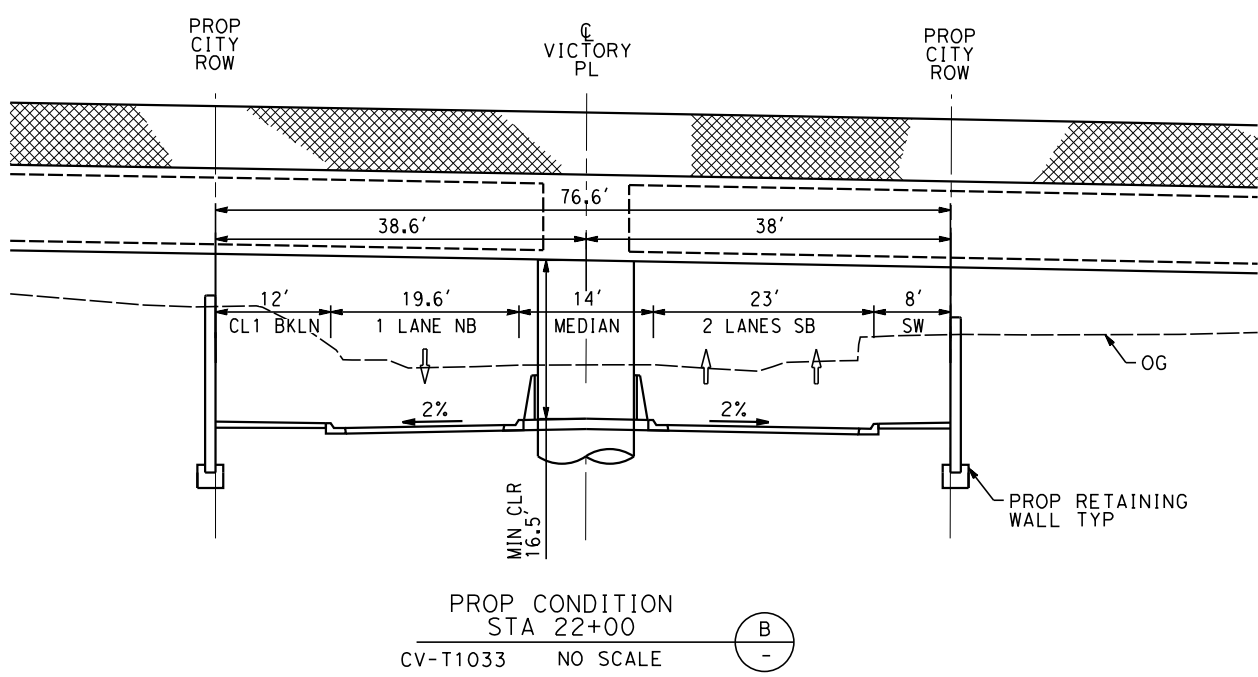
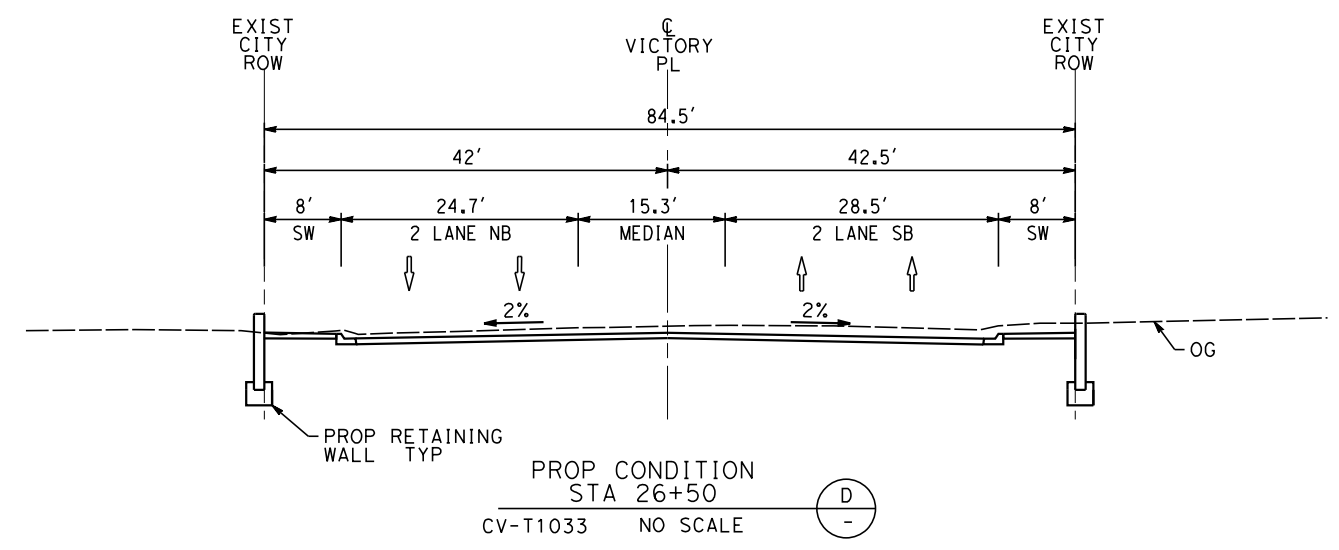
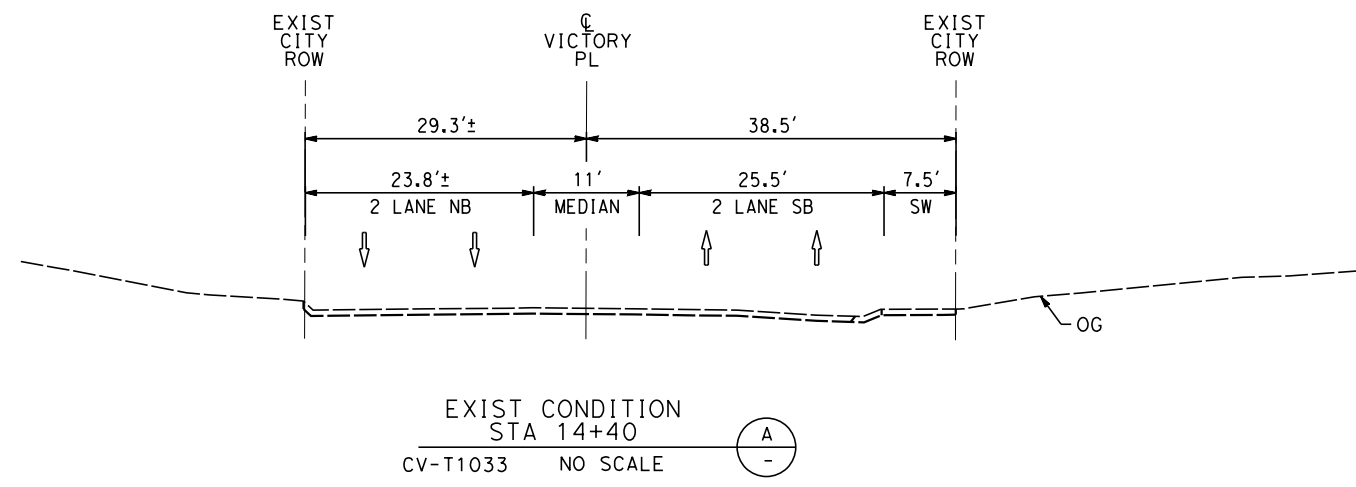
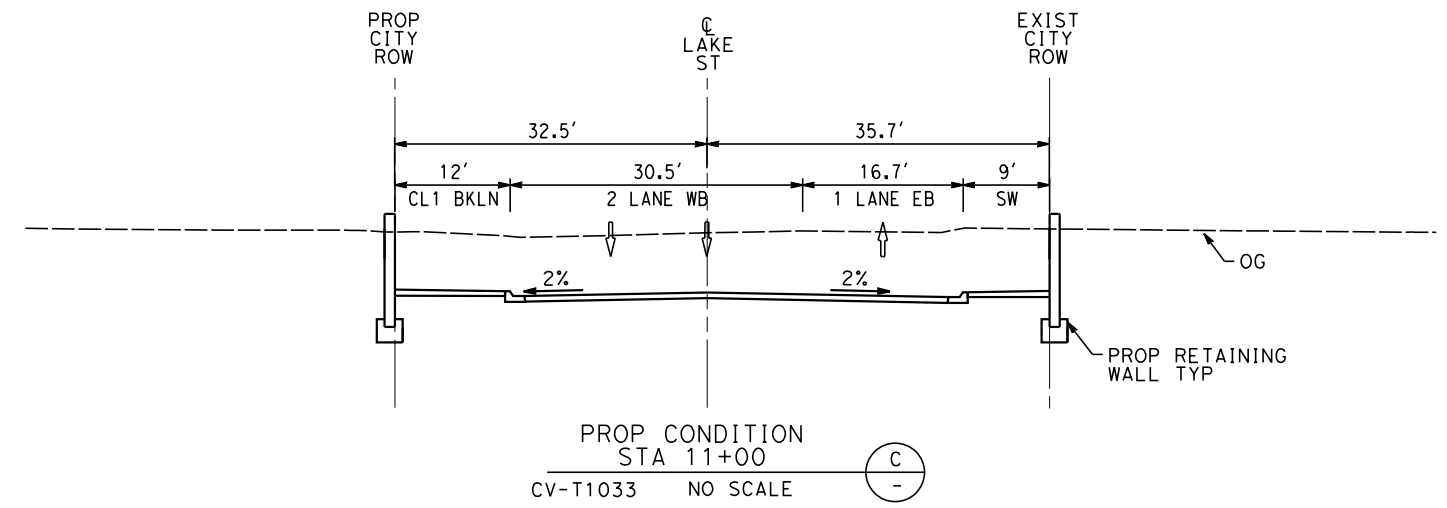
PEPD  
GRADE SEPARATION - VICTORY PL UNDERPASS  
IMPACT PLAN

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1033  
SCALE  
AS SHOWN  
SHEET NO.



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY

4/30/2019 11:02:39 AM c:\jip\pwworkdir\haynesma\d0137103\k2l-cv-t3031.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**

DRAWN BY  
**N. BOWMAN**

CHECKED BY  
**C. LEE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - VICTORY PL UNDERPASS  
CROSS-SECTION

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T3031

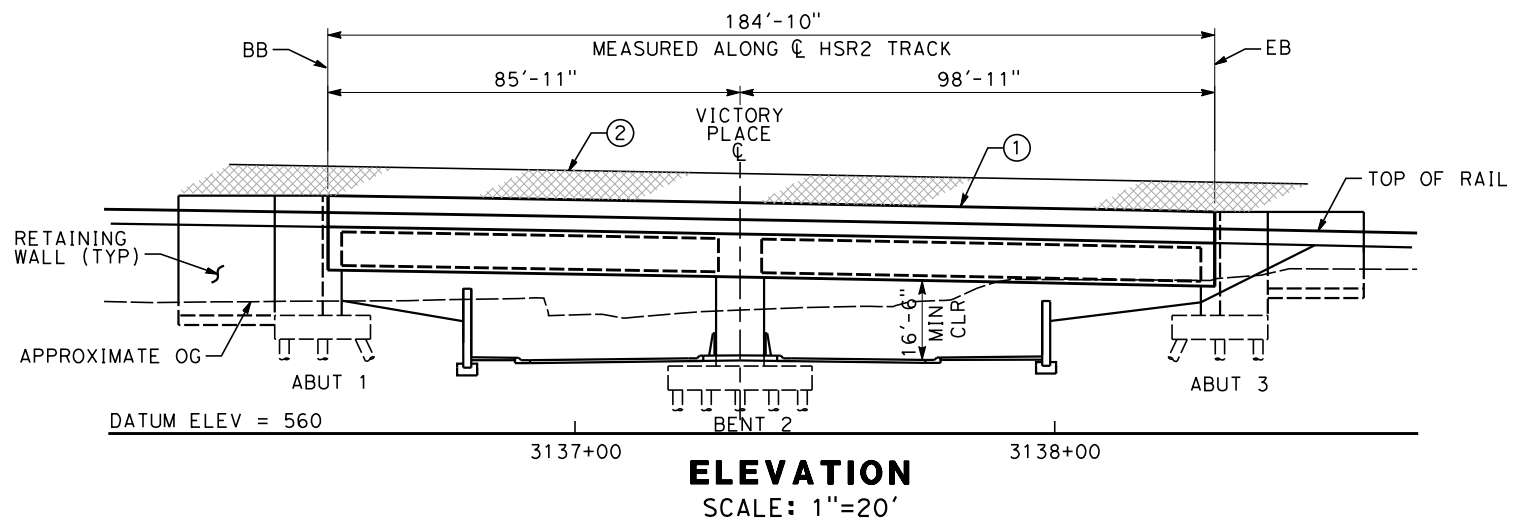
SCALE  
AS SHOWN

SHEET NO.

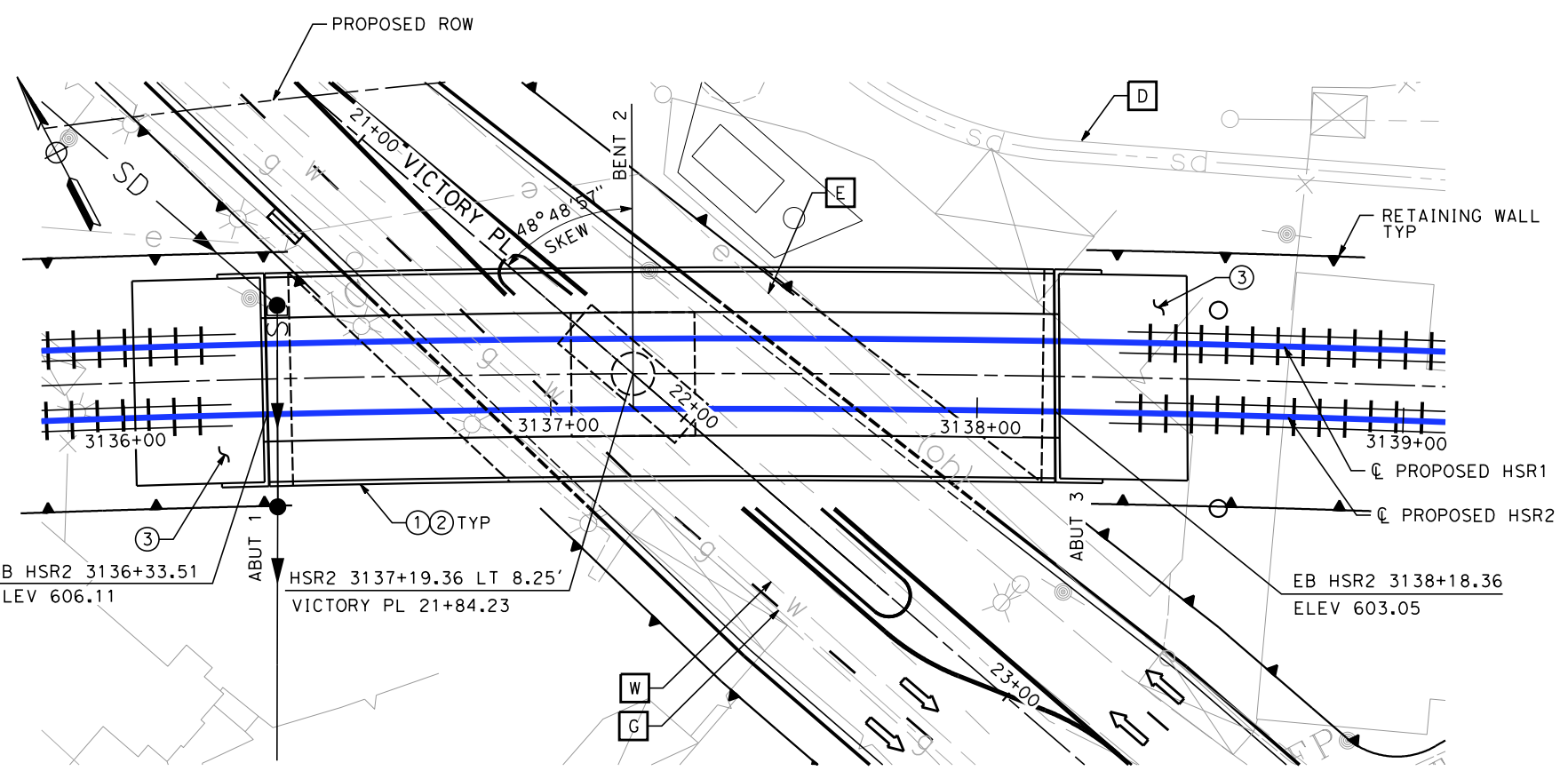




**TOP OF RAIL PROFILE (HSR2)**  
NO SCALE



**ELEVATION**  
SCALE: 1"=20'



**PLAN**  
SCALE: 1"=20'

**NOTES**

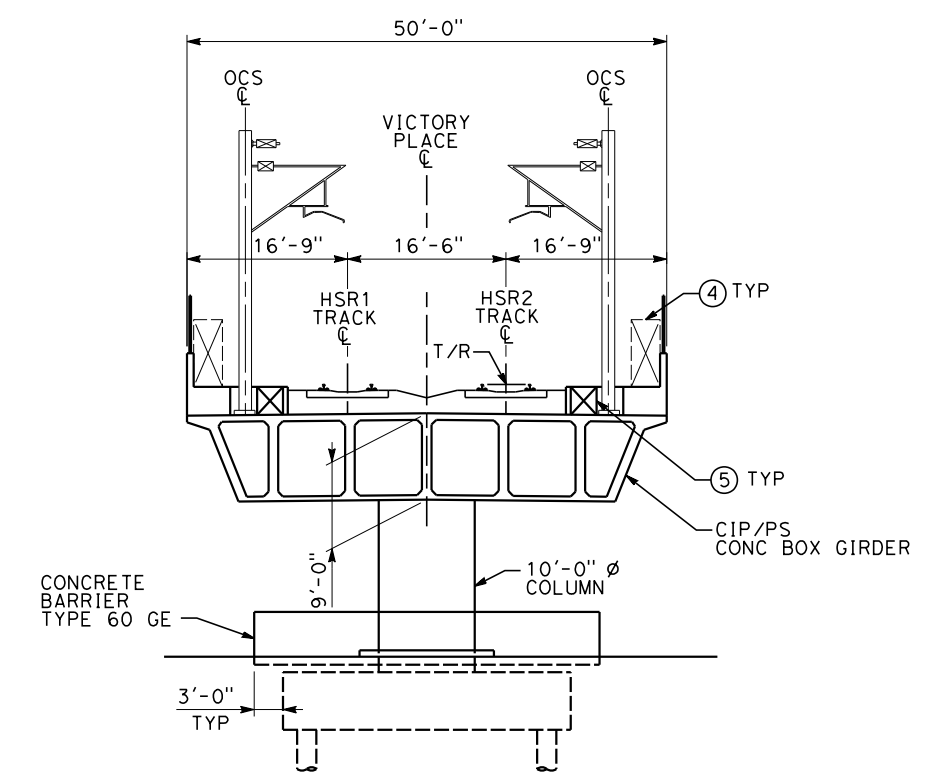
- ① BARRIER
- ② CHAIN LINK RAILING
- ③ STRUCTURE APPROACH SLAB
- ④ WALKWAY (3'-0" WIDE)
- ⑤ CABLE DUCT

**EXISTING UTILITIES**

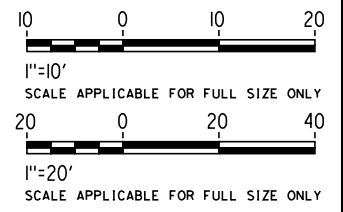
- E ELECTRIC CABLE (OH)
- G GAS
- D STORM DRAIN
- W WATER

**LEGEND**

- INDICATES DIRECTION OF TRAFFIC
- |||| INDICATES RAILROAD AND HST TRACKS



**TYPICAL SECTION**  
SCALE: 1"=10'



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FOR INTERNAL USE ONLY

4/30/2019 11:02:56 AM c:\jip\pwworkdir\haynesma\d0137172\k2l-st-k1031.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>D. HAGHIGHI</b>
DRAWN BY <b>P. ZUCCHI</b>
CHECKED BY <b>M. PONCE</b>
IN CHARGE <b>K. PIRBAZARI</b>
DATE <b>04/30/2019</b>

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



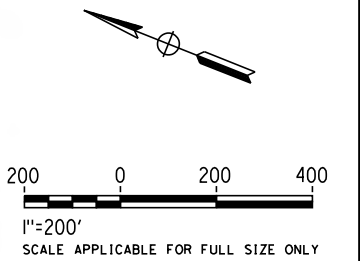
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - VICTORY PLACE UNDERPASS  
GENERAL PLAN SHEET 1 OF 1

CONTRACT NO. <b>HSR14-39</b>
DRAWING NO. <b>ST-K1031</b>
SCALE <b>AS SHOWN</b>
SHEET NO.



4/30/2019 11:03:45 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t0041.dgn



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - BURBANK BLVD OVERPASS  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T0041  
SCALE  
AS SHOWN  
SHEET NO.



**LINE DATA**

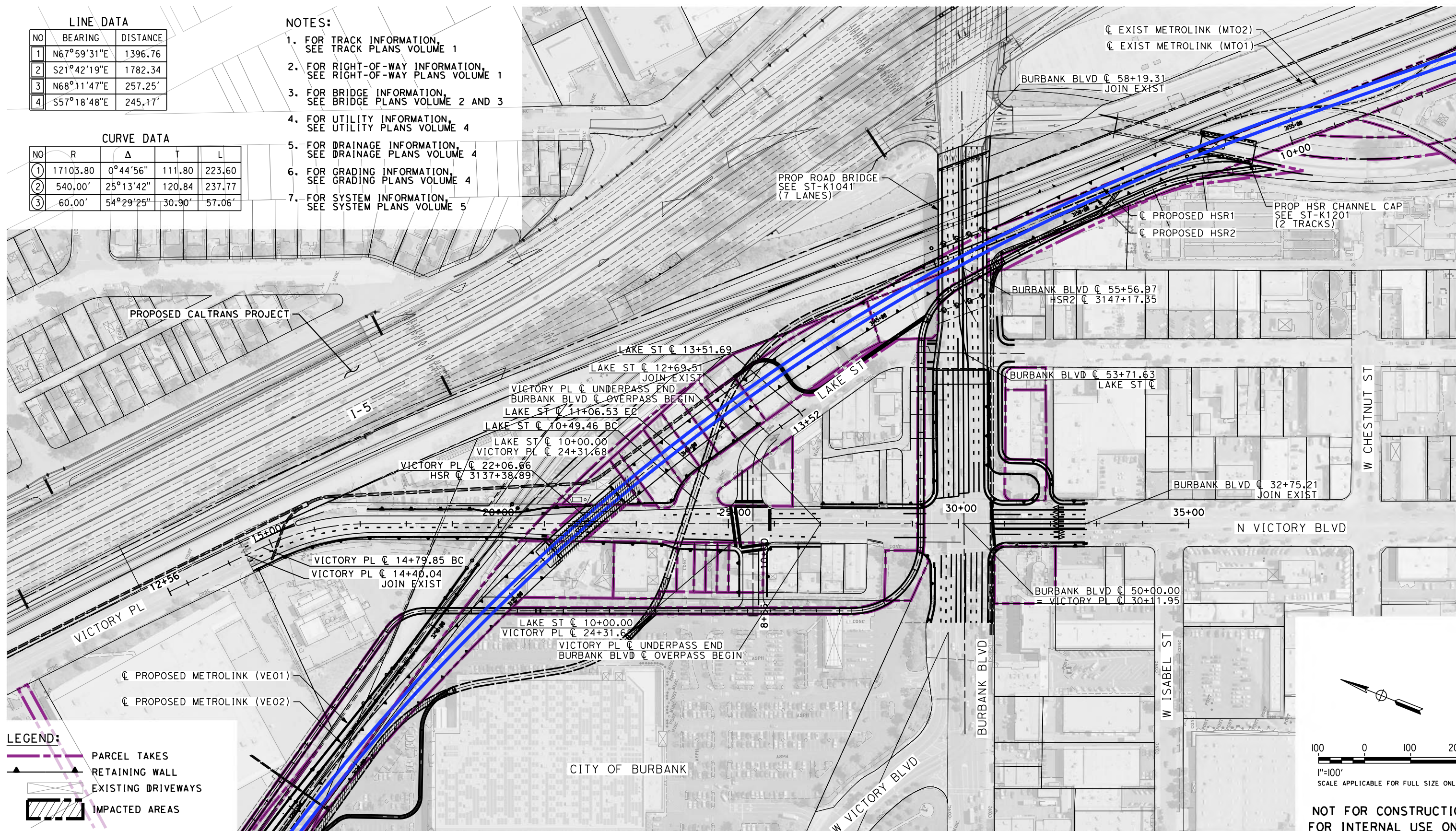
NO	BEARING	DISTANCE
1	N67°59'31"E	1396.76
2	S21°42'19"E	1782.34
3	N68°11'47"E	257.25'
4	S57°18'48"E	245.17'

**CURVE DATA**

NO	R	Δ	T	L
①	17103.80	0°44'56"	111.80	223.60
②	540.00'	25°13'42"	120.84	237.77
③	60.00'	54°29'25"	30.90'	57.06'

**NOTES:**

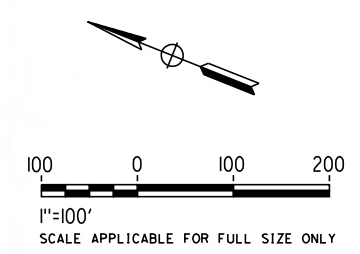
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



PROPOSED CALTRANS PROJECT

☐ PROPOSED METROLINK (VE01)  
 ☐ PROPOSED METROLINK (VE02)

**LEGEND:**  
 PARCEL TAKES  
 RETAINING WALL  
 EXISTING DRIVEWAYS  
 IMPACTED AREAS



**NOT FOR CONSTRUCTION  
 FOR INTERNAL USE ONLY**

4/30/2019 11:05:04 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t1041.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
 DRAWN BY  
**N. BOWMAN**  
 CHECKED BY  
**C. LEE**  
 IN CHARGE  
**K. PIRBAZARI**  
 DATE  
**04/30/2019**

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

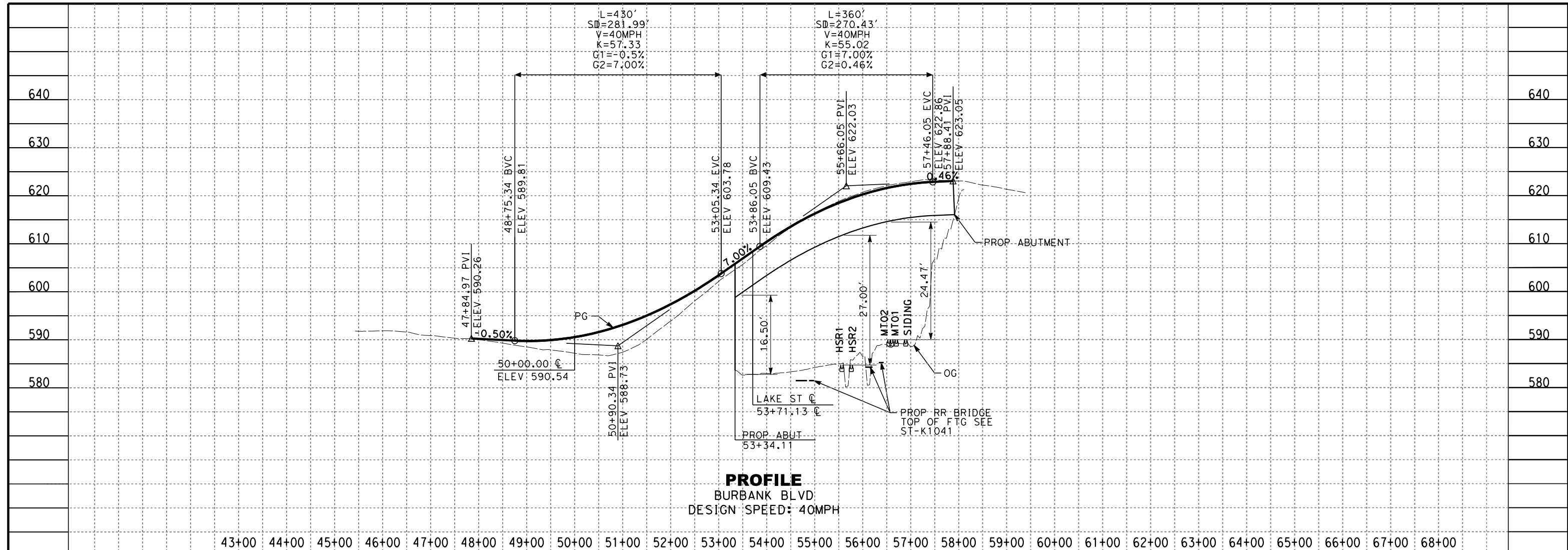


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
 BURBANK TO LOS ANGELES**  
  
 PEPD  
 GRADE SEPARATION - BURBANK BLVD OVERPASS  
 PLAN

CONTRACT NO.  
HSR14-39  
 DRAWING NO.  
CV-T1041  
 SCALE  
AS SHOWN  
 SHEET NO.

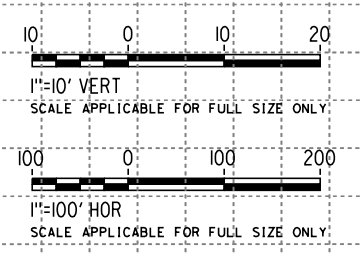


4/30/2019 11:05:47 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-T1042.dgn



**PROFILE**  
BURBANK BLVD  
DESIGN SPEED: 40MPH

43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00 62+00 63+00 64+00 65+00 66+00 67+00 68+00



NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



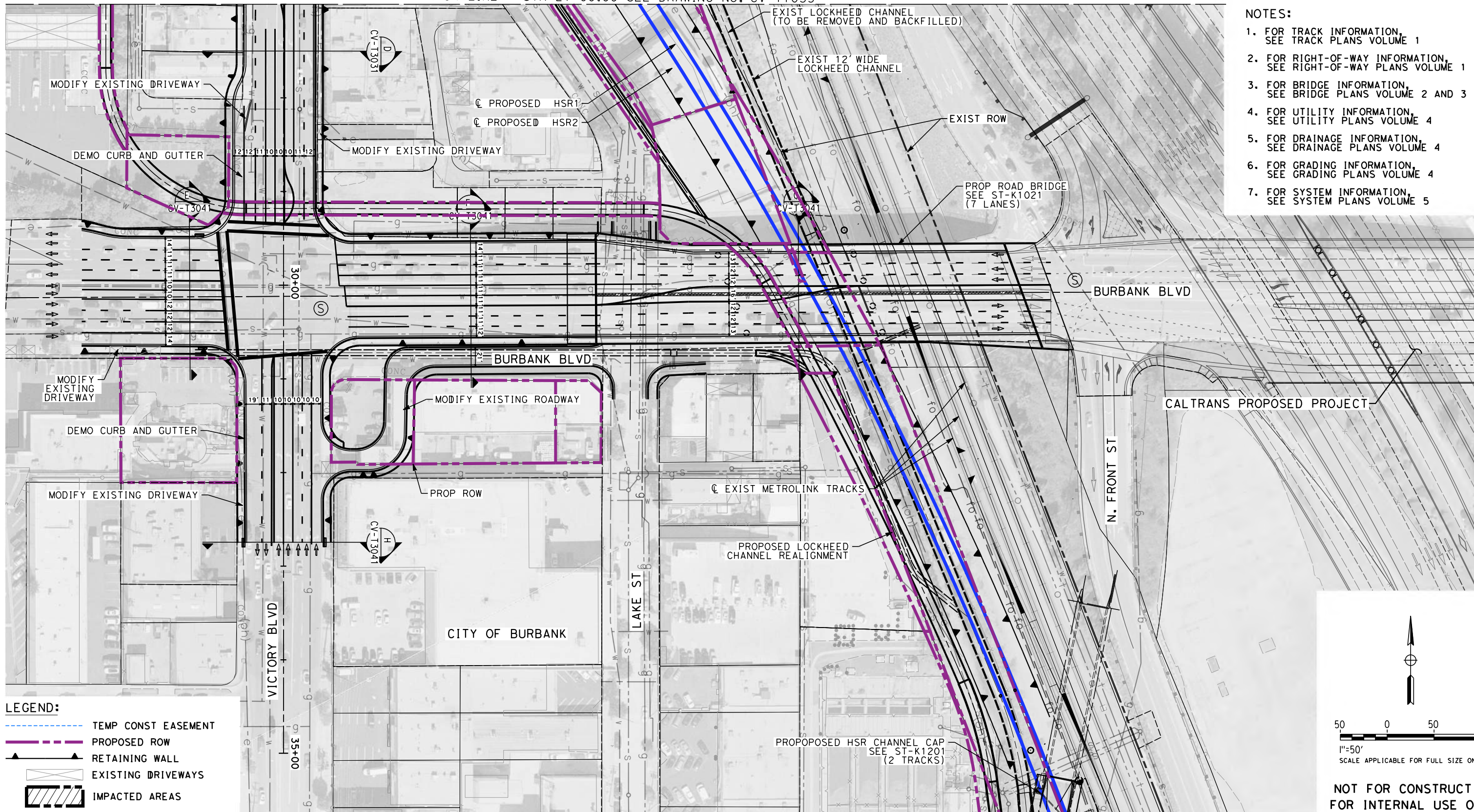
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - BURBANK BLVD OVERPASS  
PROFILE

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1042  
SCALE  
AS SHOWN  
SHEET NO.



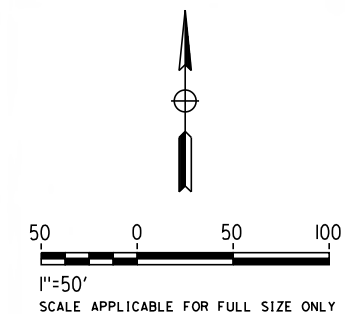
MATCH LINE - STA 27+00.00 SEE DRAWING NO. CV-T1033



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

- LEGEND:**
- TEMP CONST EASEMENT
  - PROPOSED ROW
  - RETAINING WALL
  - EXISTING DRIVEWAYS
  - IMPACTED AREAS



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

4/30/2019 11:06:43 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t1043.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**N. BOWMAN**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

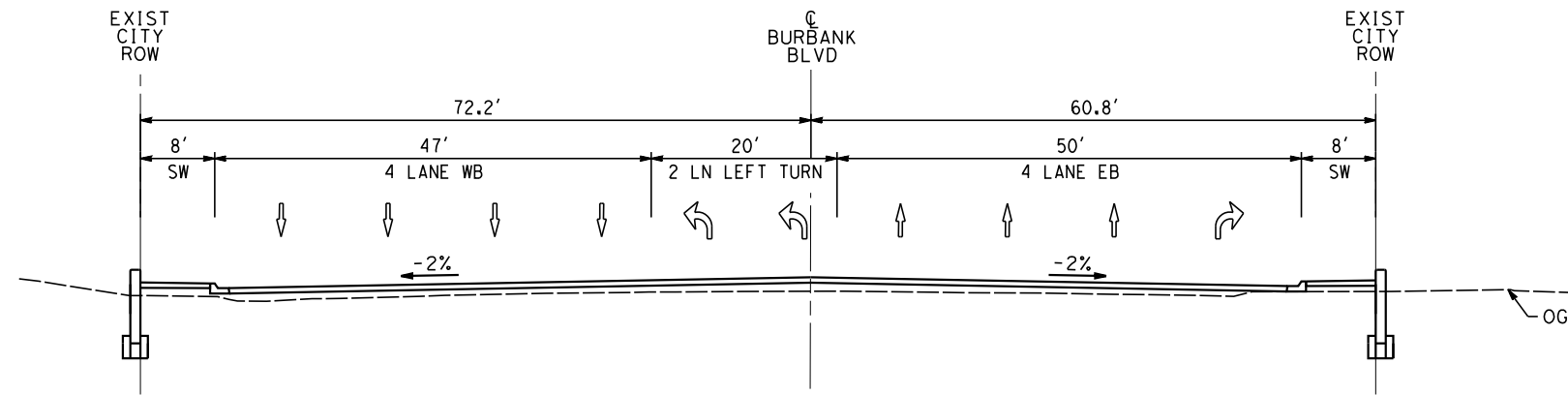
PEPD  
GRADE SEPARATION - BURBANK AVE OVERPASS  
IMPACT PLAN

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1043  
SCALE  
AS SHOWN  
SHEET NO.

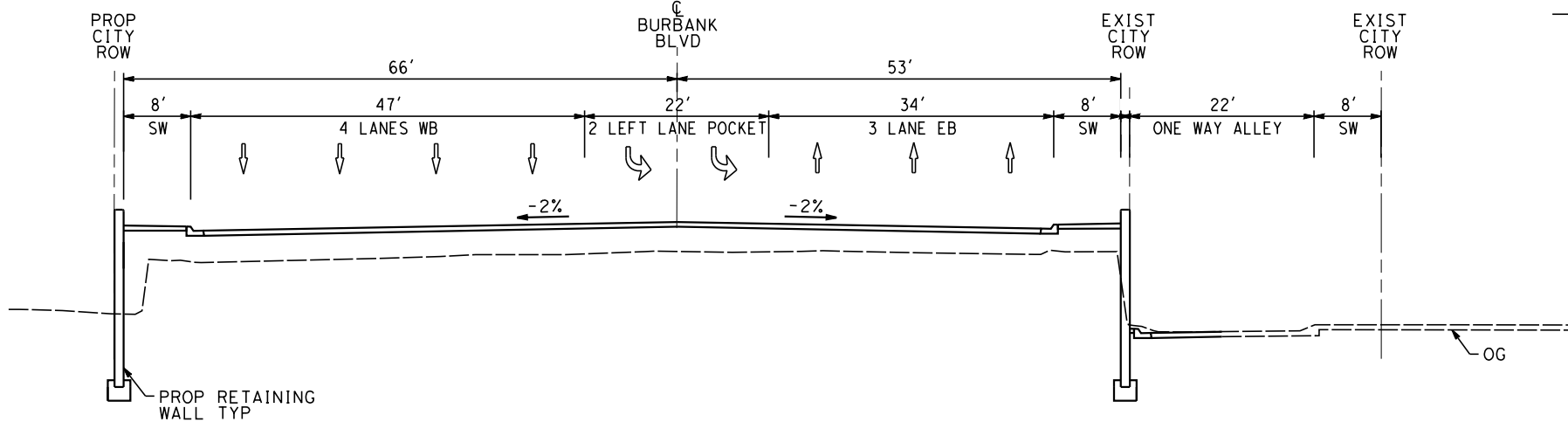


**NOTES:**

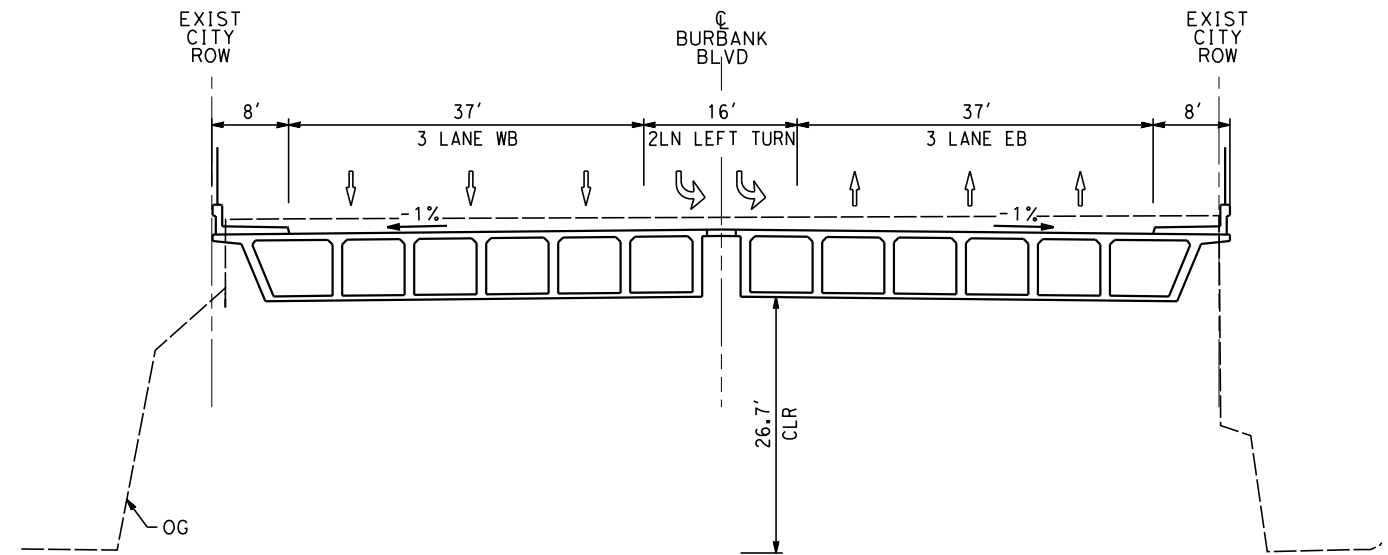
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



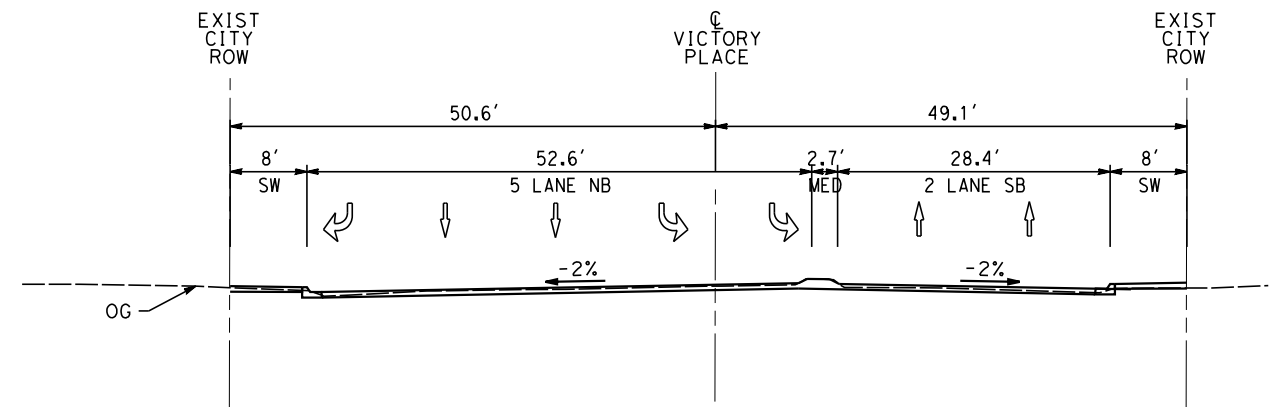
PROP CONDITION  
STA 49+00  
CV-T1023 NO SCALE (E)



PROP CONDITION  
STA 52+00  
CV-T1023 NO SCALE (F)



PROP CONDITION  
STA 55+50  
CV-T1023 NO SCALE (G)



EXIST CONDITION  
STA 32+74  
CV-T1023 NO SCALE (H)

NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY

4/30/2019 11:07:02 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t3041.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**

DRAWN BY  
**N. BOWMAN**

CHECKED BY  
**C. LEE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - BURBANK BLVD OVERPASS  
CROSS-SECTION

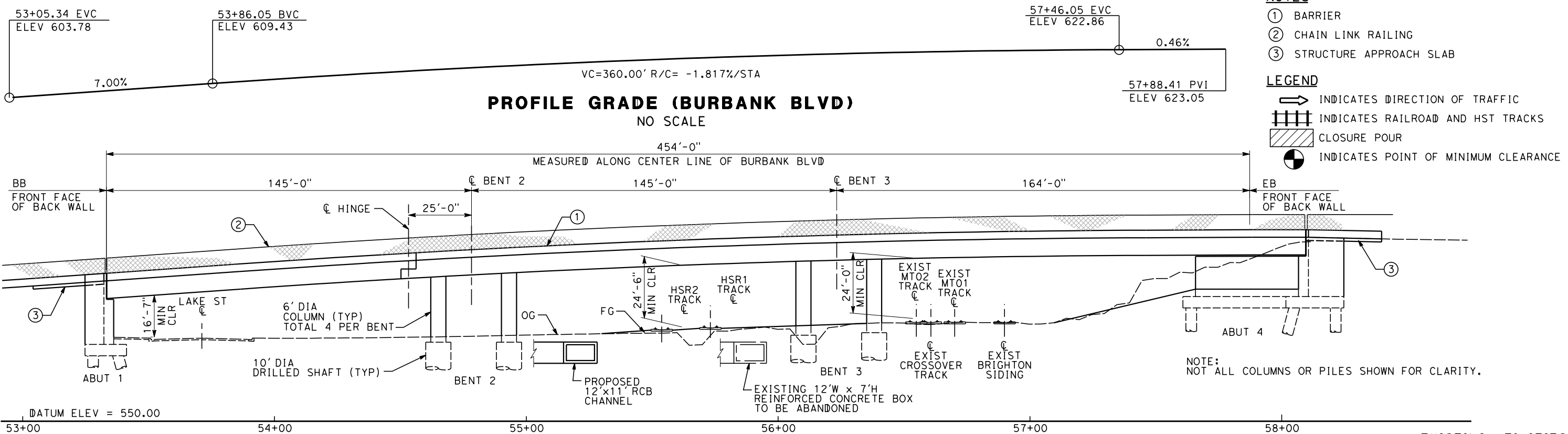
CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T3041

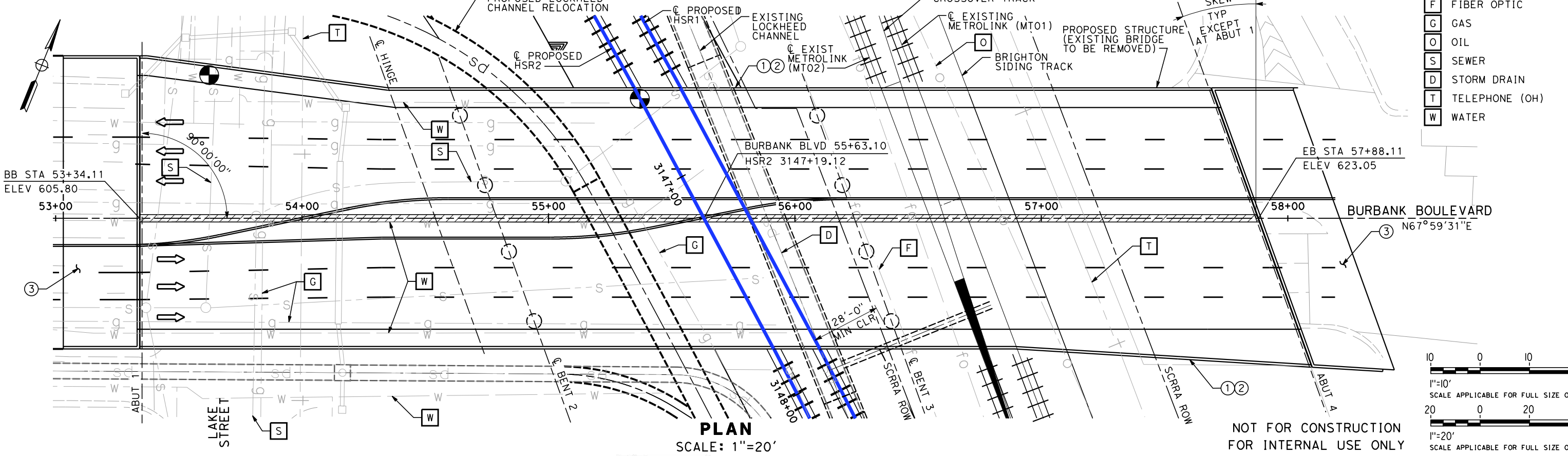
SCALE  
AS SHOWN

SHEET NO.





**ELEVATION** (EXISTING BRIDGE TO BE REMOVED)  
SCALE: 1"=20'



**PLAN**  
SCALE: 1"=20'

NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY

4/30/2019 11:07:21 AM c:\jip\pwworkdir\haynesma\d0137172\k2l-st-k1041.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**

DRAWN BY  
**P. ZUCCHI**

CHECKED BY  
**M. PONCE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - BURBANK BLVD OVERPASS  
GENERAL PLAN - SHEET 1 OF 2

CONTRACT NO.  
HSR14-39

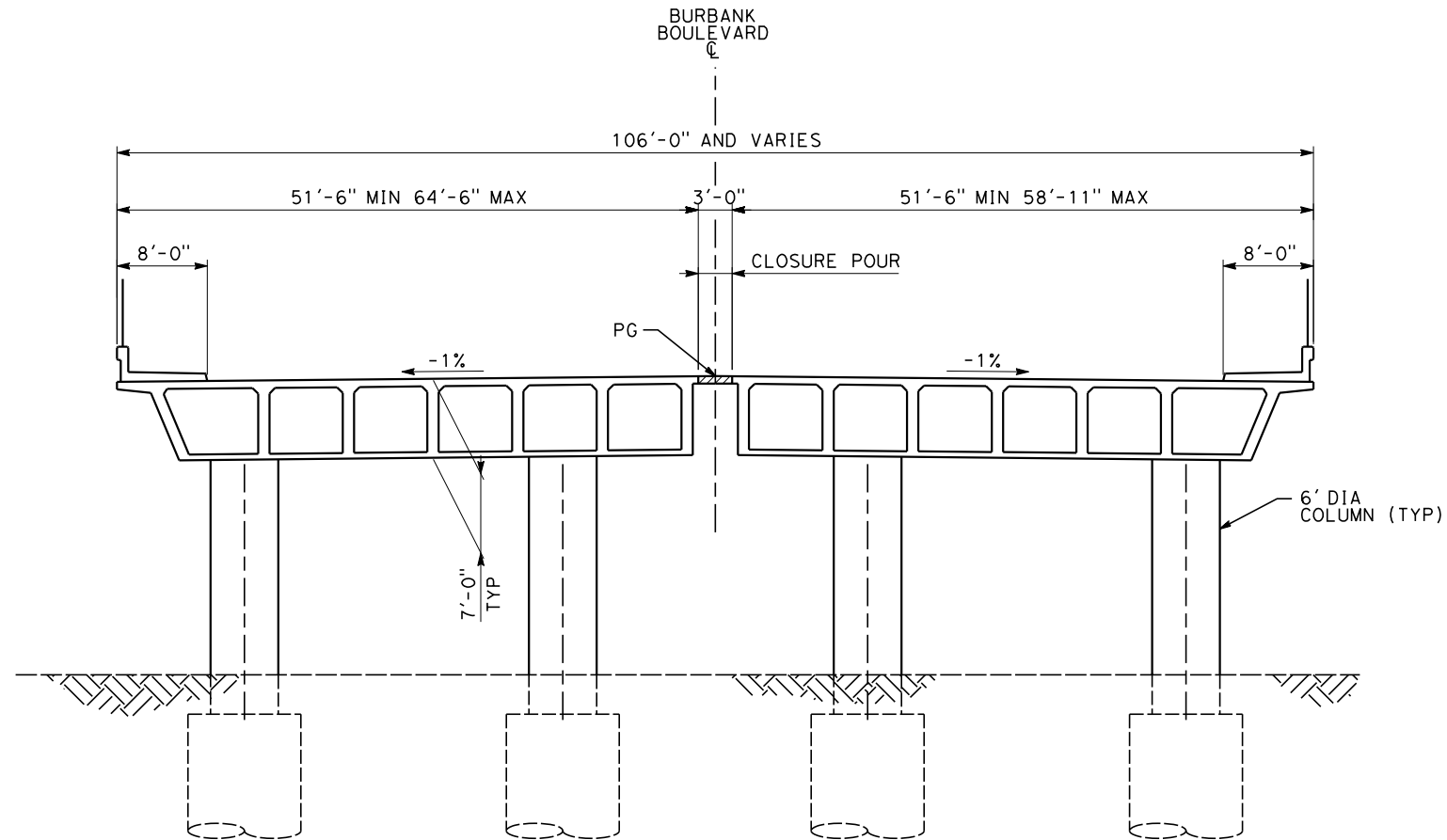
DRAWING NO.  
ST-K1041

SCALE  
AS SHOWN

SHEET NO.

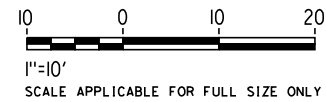


4/30/2019 11:07:26 AM c:\jip\pwork\dir\haynesma\d0137172\k2L\ST-K1042.dgn



**TYPICAL SECTION**  
SCALE: 1/8"=1'-0"

NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**  
DRAWN BY  
**P. ZUCCHI**  
CHECKED BY  
**M. PONCE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



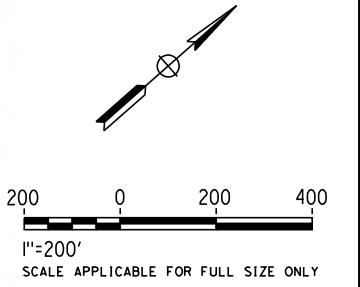
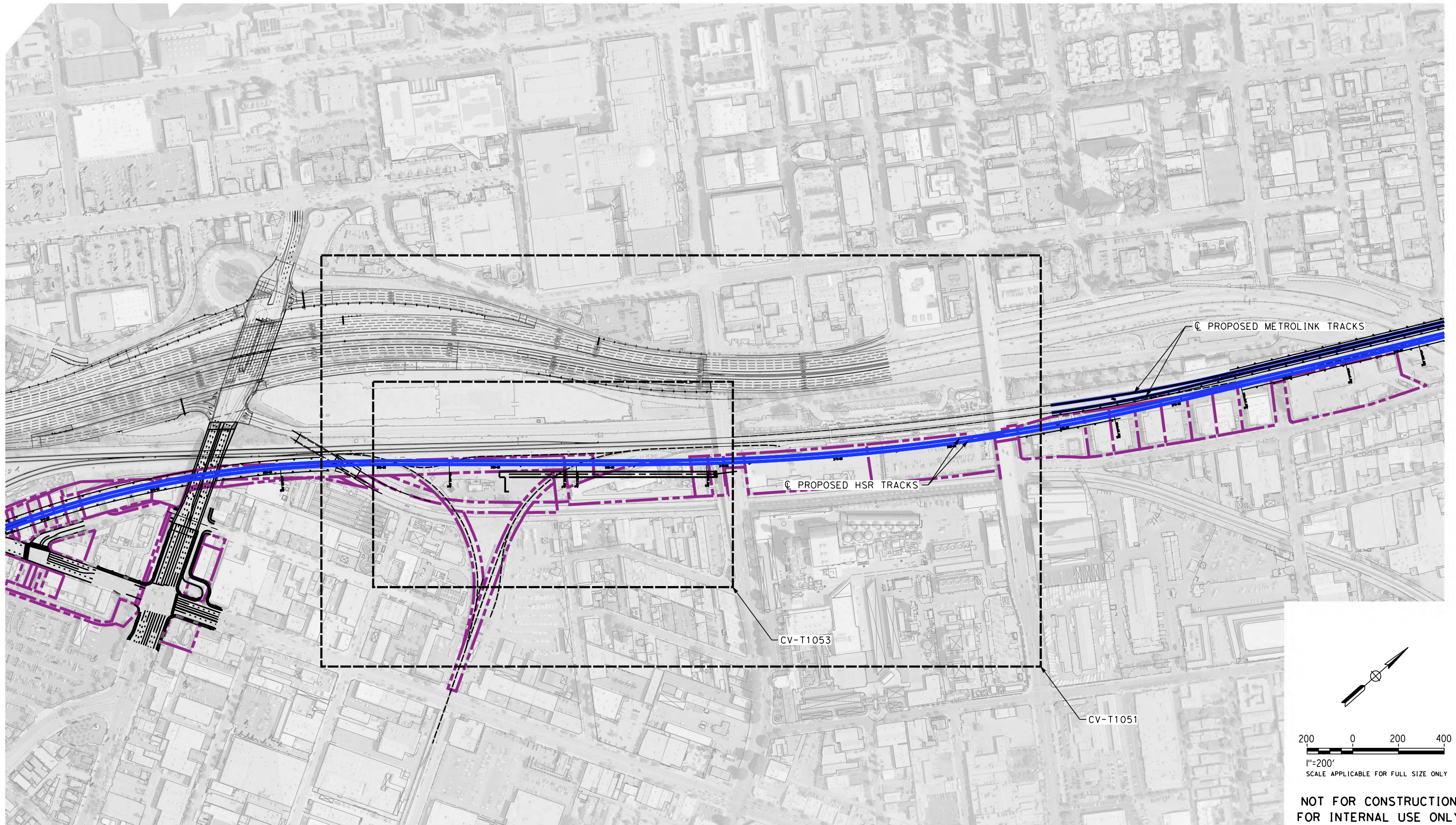
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - BURBANK BLVD OVERPASS  
GENERAL PLAN - SHEET 2 OF 2

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
ST-K1042  
SCALE  
AS SHOWN  
SHEET NO.



4/30/2019 11:08:18 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t0051.dgn



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
TRACK ACCESS - S FLOWER EXTENSION  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T0051  
SCALE  
AS SHOWN  
SHEET NO.



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**LEGEND:**

- TEMP CONST EASEMENT
- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS

100 0 100 200  
 1"=100'  
 SCALE APPLICABLE FOR FULL SIZE ONLY

**NOT FOR CONSTRUCTION  
 FOR INTERNAL USE ONLY**

4/30/2019 11:09:25 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t1051.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
 RECORD SET**

**NOT FOR  
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
 BURBANK TO LOS ANGELES**

PEPD  
 TRACK ACCESS - S FLOWER EXTENSION  
 PLAN

CONTRACT NO.  
HSR14-39

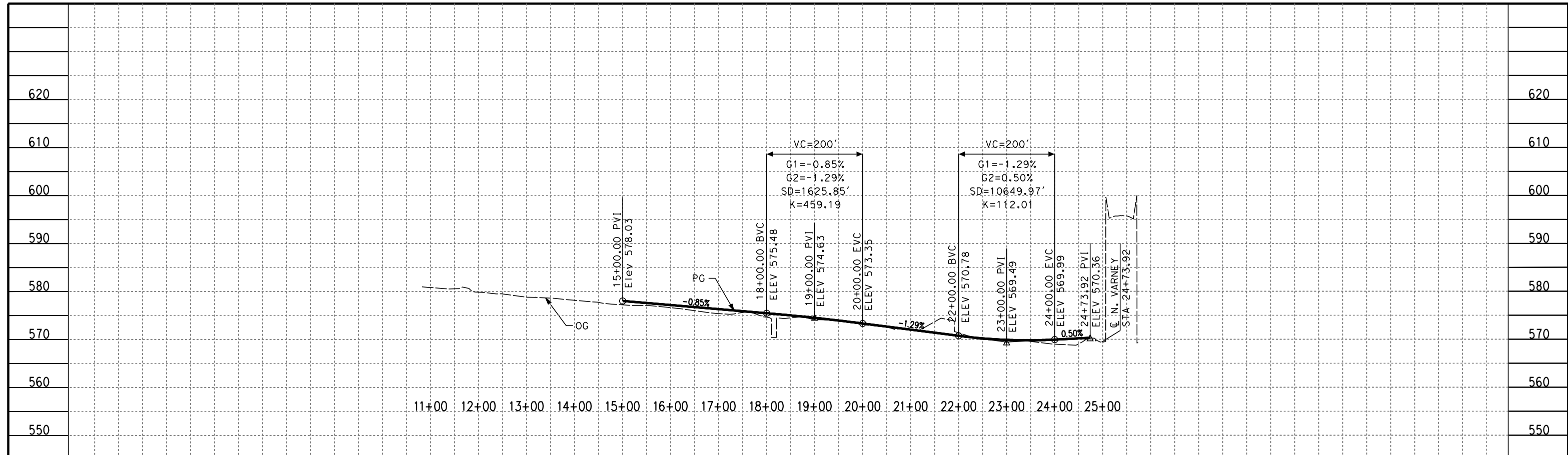
DRAWING NO.  
CT-T1051

SCALE  
AS SHOWN

SHEET NO.



4/30/2019 11:09:50 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t1052.dgn



**PROFILE**  
SOUTH FLOWER EXTENSION  
DESIGN SPEED: 35MPH

10' 0 10' 20'  
1"=10' VERT  
SCALE APPLICABLE FOR FULL SIZE ONLY

100 0 100 200  
1"=100' HOR  
SCALE APPLICABLE FOR FULL SIZE ONLY

**NOT FOR CONSTRUCTION**  
**FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD**  
**RECORD SET**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
TRACK ACCESS - S FLOWER EXTENSION  
PROFILE

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1052

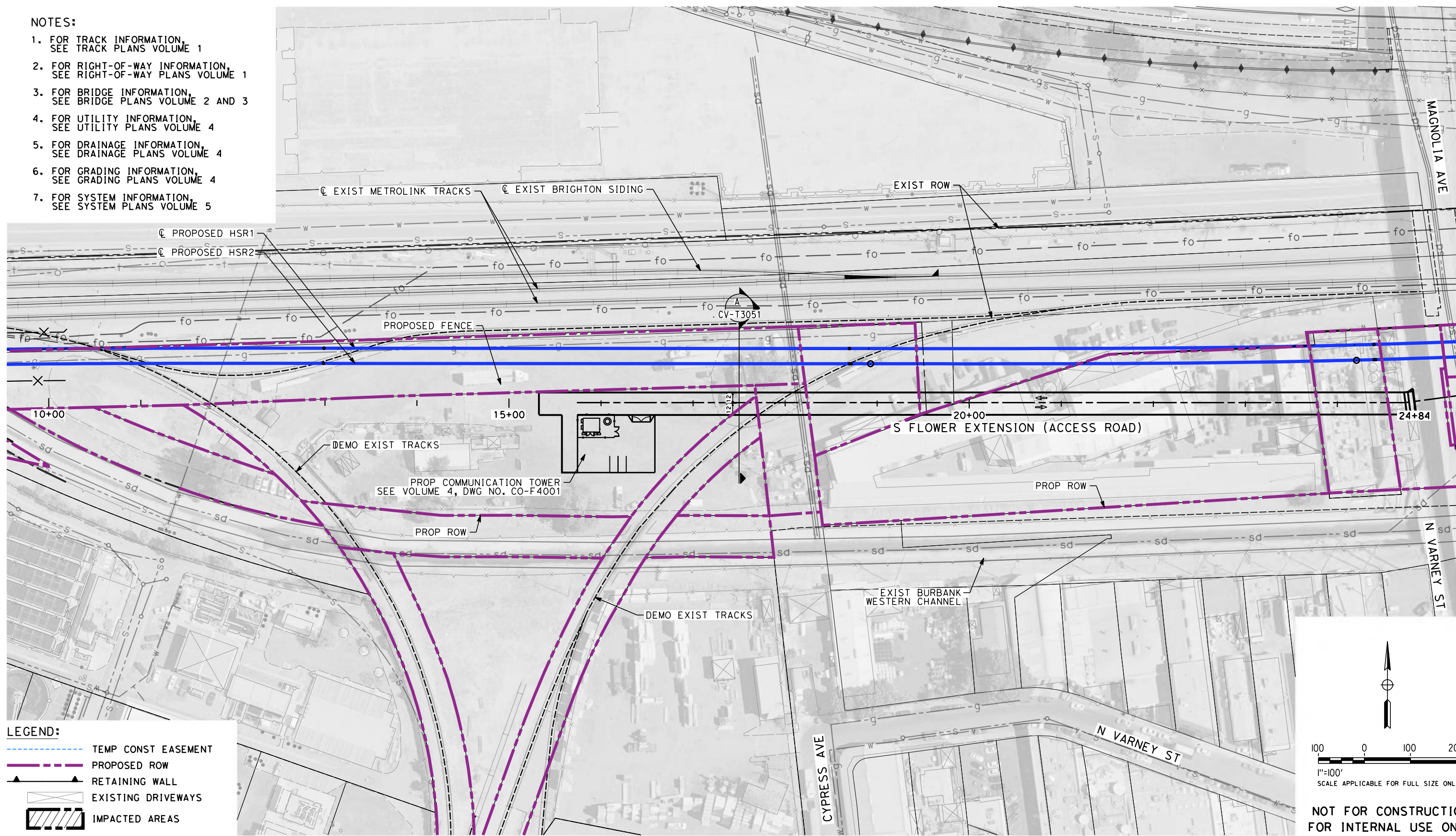
SCALE  
AS SHOWN

SHEET NO.



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**LEGEND:**

- TEMP CONST EASEMENT
- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS

1"=100'  
SCALE APPLICABLE FOR FULL SIZE ONLY

**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

4/30/2019 11:10:46 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t1053.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
TRACK ACCESS - S FLOWER EXTENSION  
IMPACT PLAN

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1053

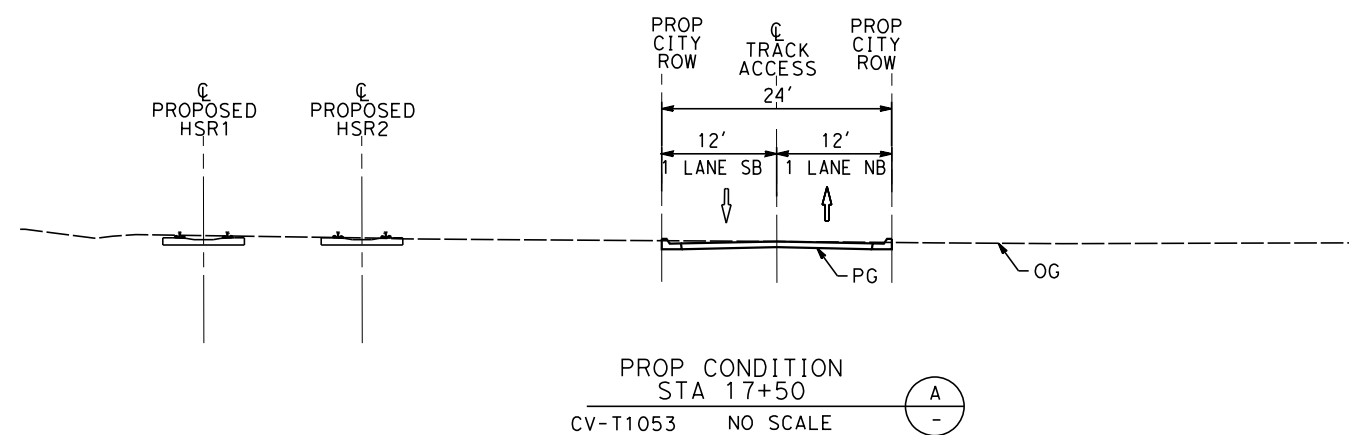
SCALE  
AS SHOWN

SHEET NO.



NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



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4/30/2019 11:11:07 AM c:\jip\pwworkdir\haynesma\d0137103\k2l\cv-t3051.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
TRACK ACCESS - S FLOWER ST EXTENSION  
CROSS-SECTION

CONTRACT NO.  
HSR14-39

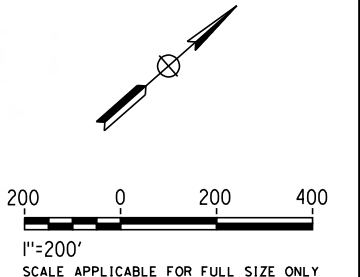
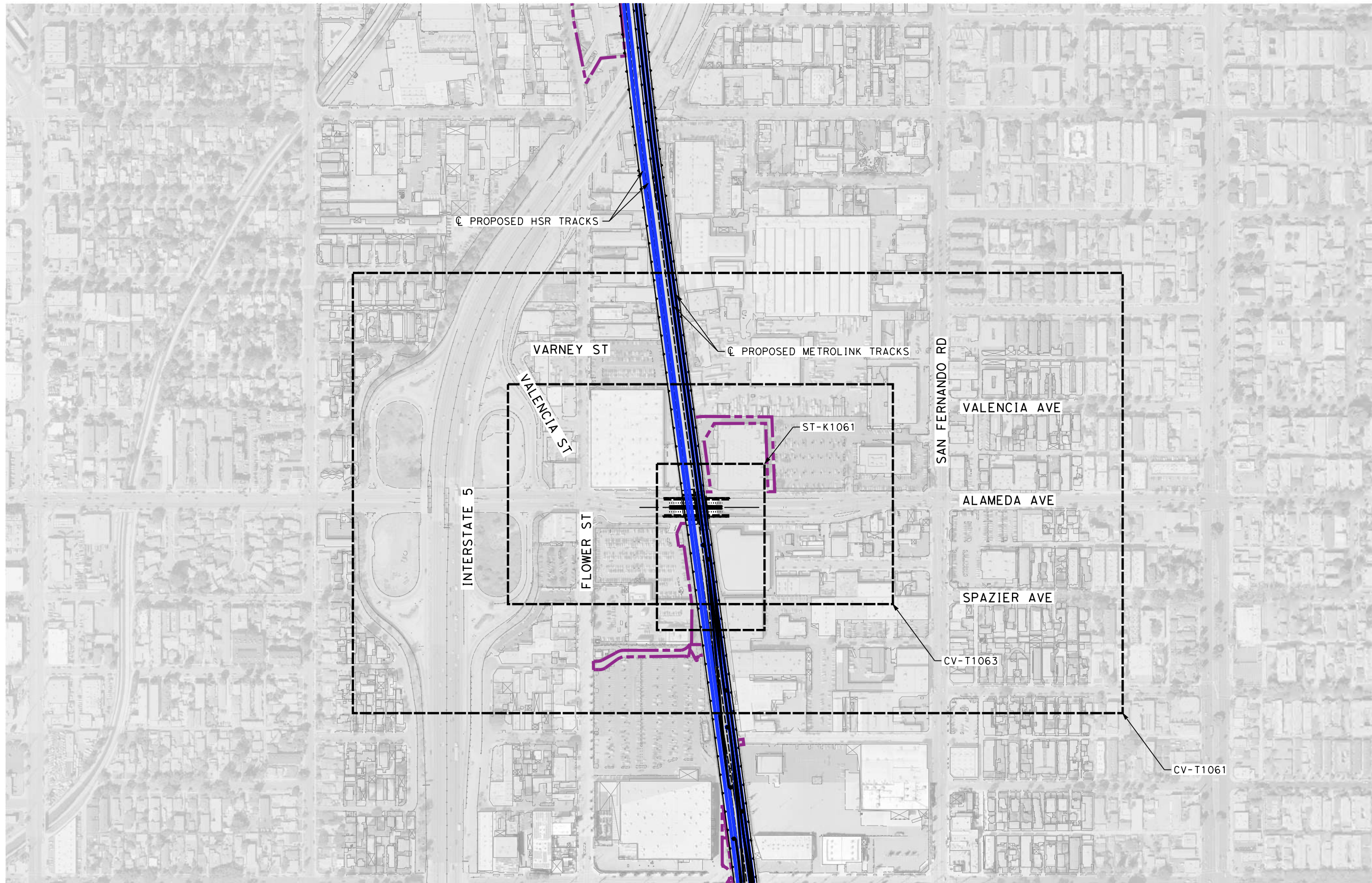
DRAWING NO.  
CV-T3051

SCALE  
AS SHOWN

SHEET NO.



4/30/2019 11:11:54 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-T0061.dgn



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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



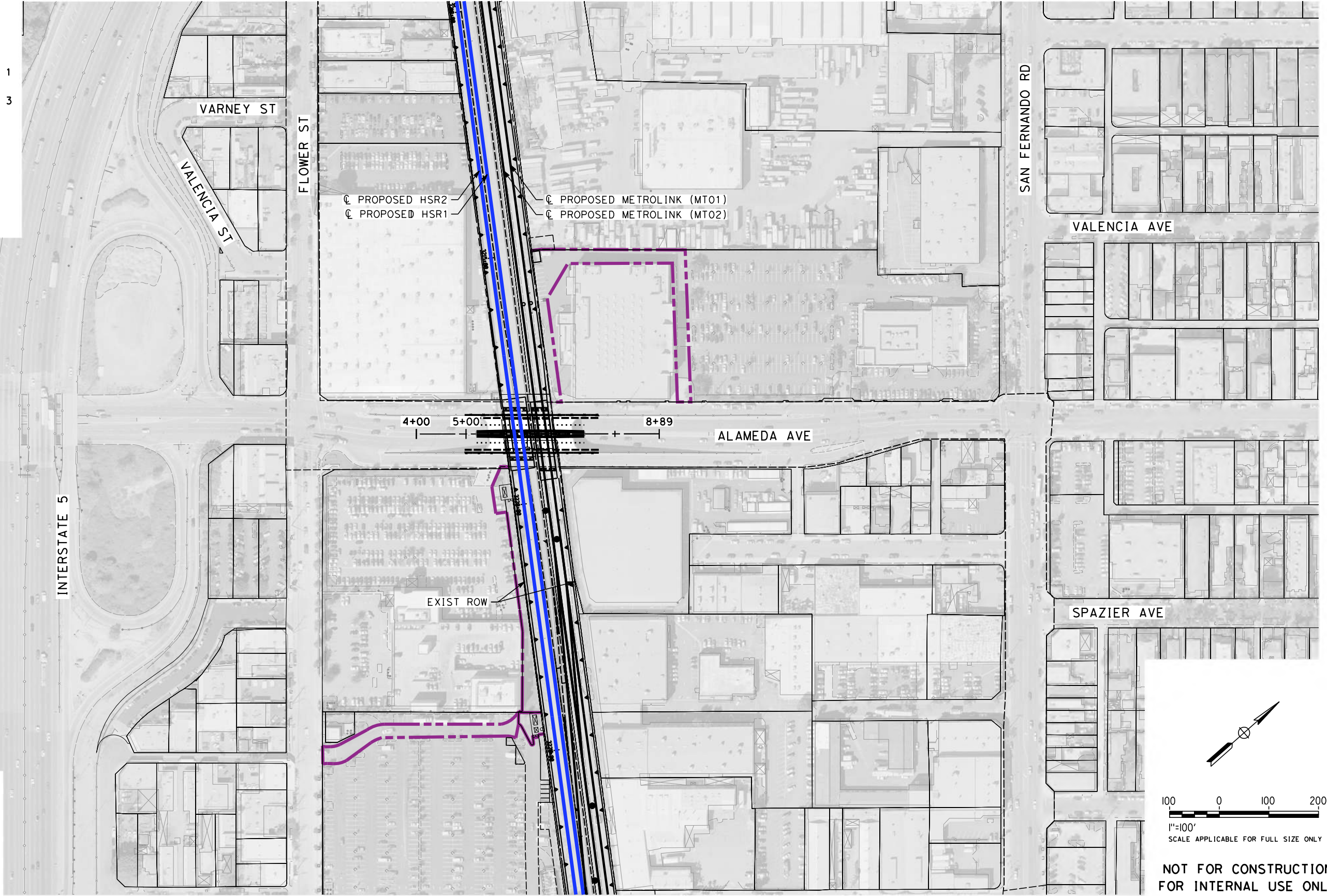
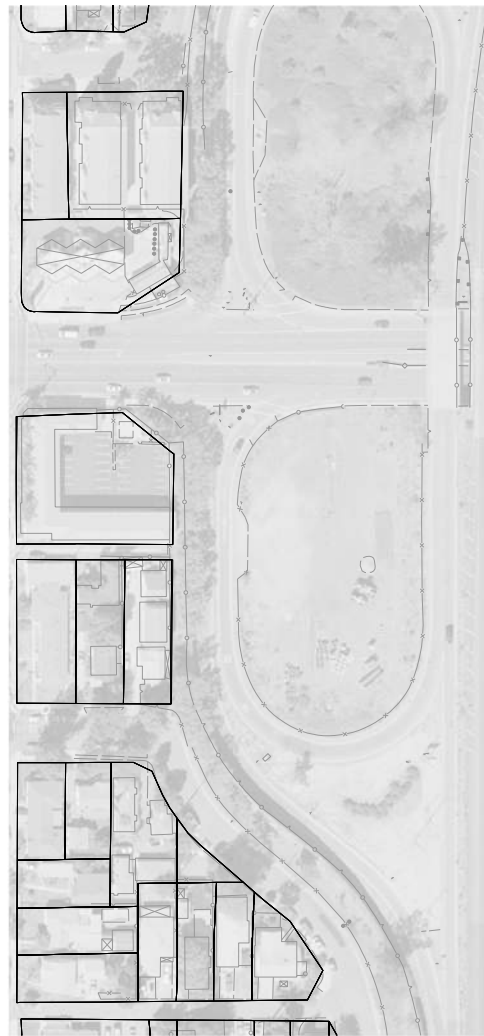
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - ALAMEDA AVE UNDERPASS  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T0061  
SCALE  
AS SHOWN  
SHEET NO.



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**LEGEND:**

- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS

100 0 100 200  
1"=100'  
SCALE APPLICABLE FOR FULL SIZE ONLY

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4/30/2019 11:13:09 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t1061.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

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**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

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RECORD SET**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - ALAMEDA AVE UNDERPASS  
PLAN

CONTRACT NO.  
HSR14-39

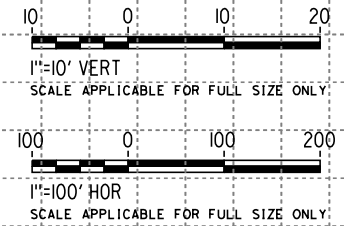
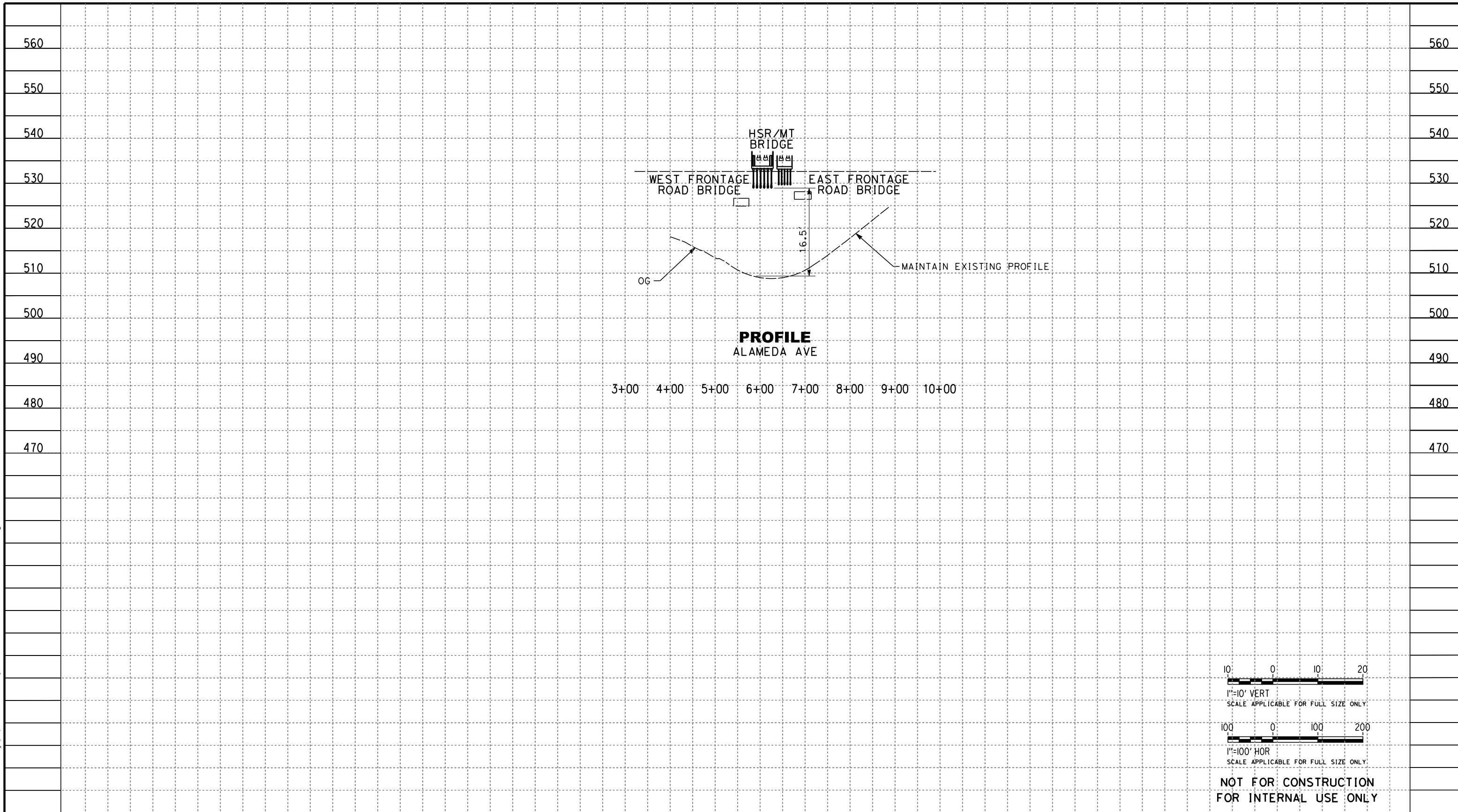
DRAWING NO.  
CV-T1061

SCALE  
AS SHOWN

SHEET NO.



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DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD**  
**RECORD SET**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - ALAMEDA AVE UNDERPASS  
PROFILE

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1062

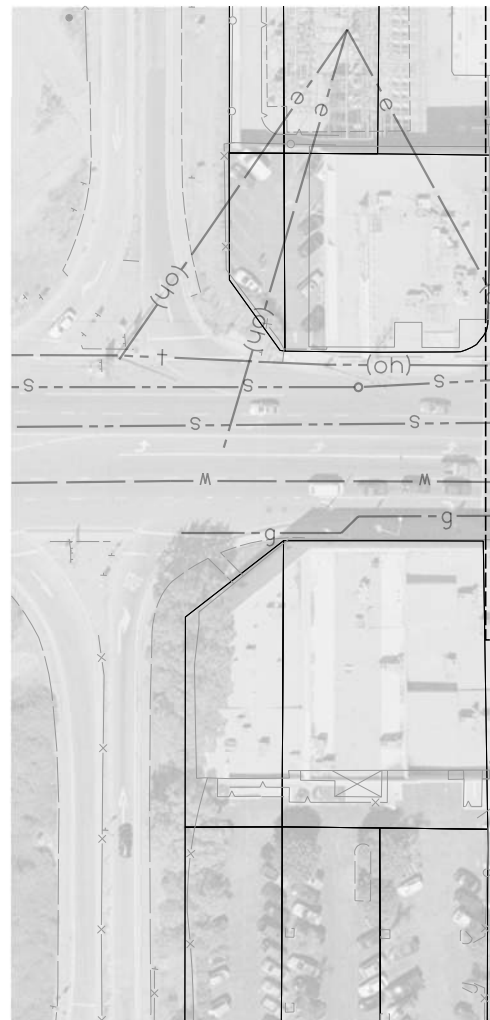
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AS SHOWN

SHEET NO.

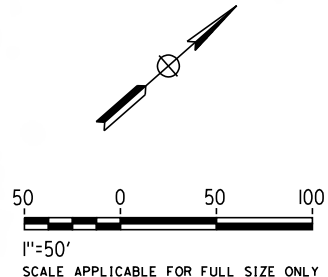
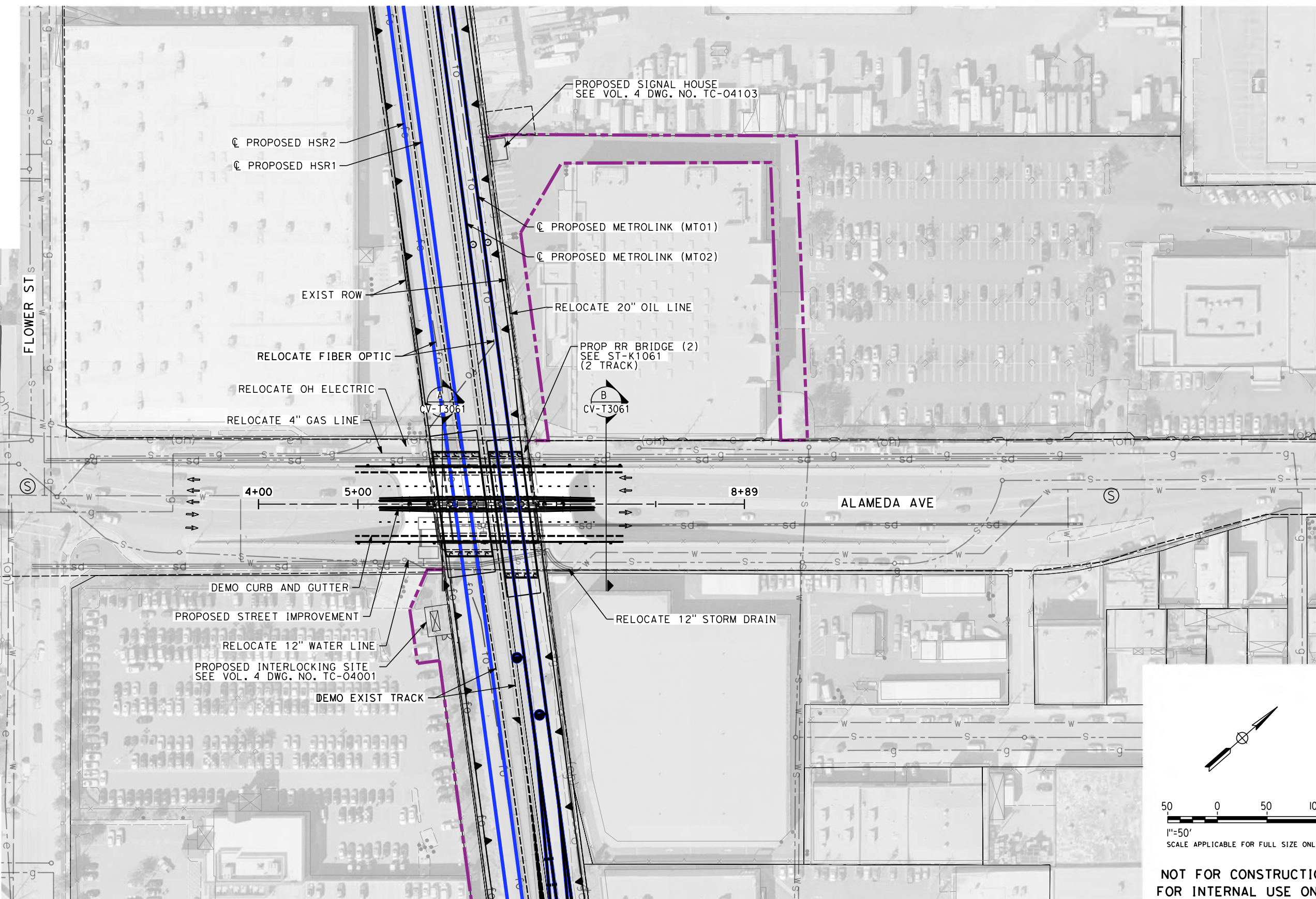


**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



- LEGEND:**
- TEMP CONST EASEMENT
  - PROPOSED ROW
  - RETAINING WALL
  - EXISTING DRIVEWAYS
  - IMPACTED AREAS



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - ALAMEDA AVE UNDERPASS  
IMPACT PLAN

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1063

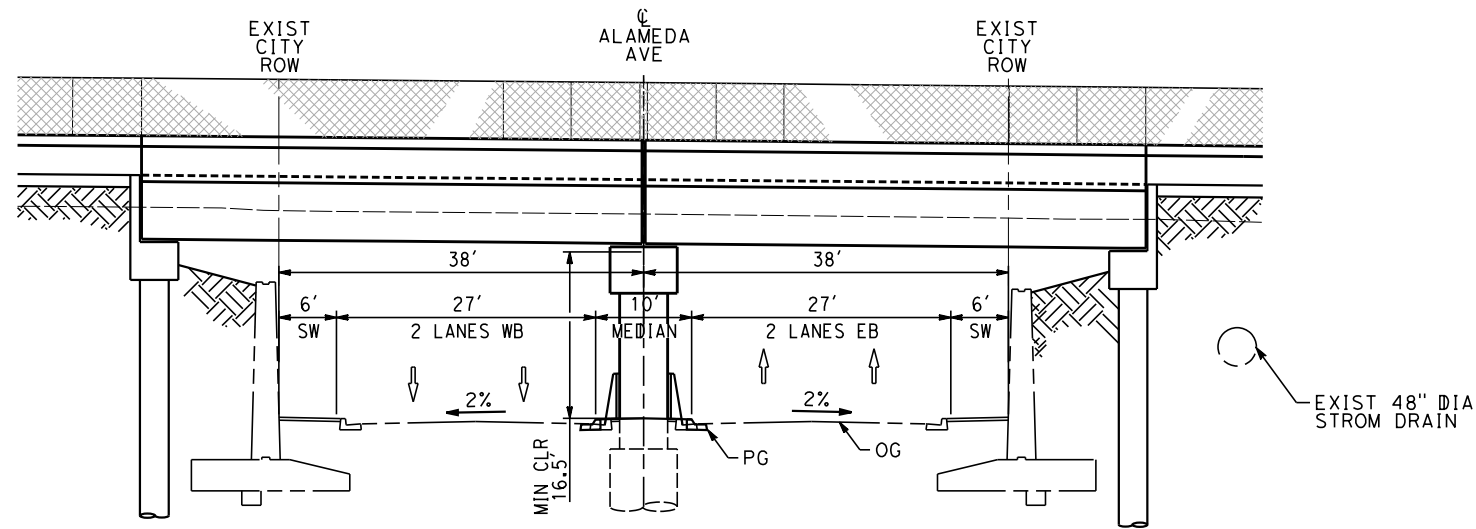
SCALE  
AS SHOWN

SHEET NO.

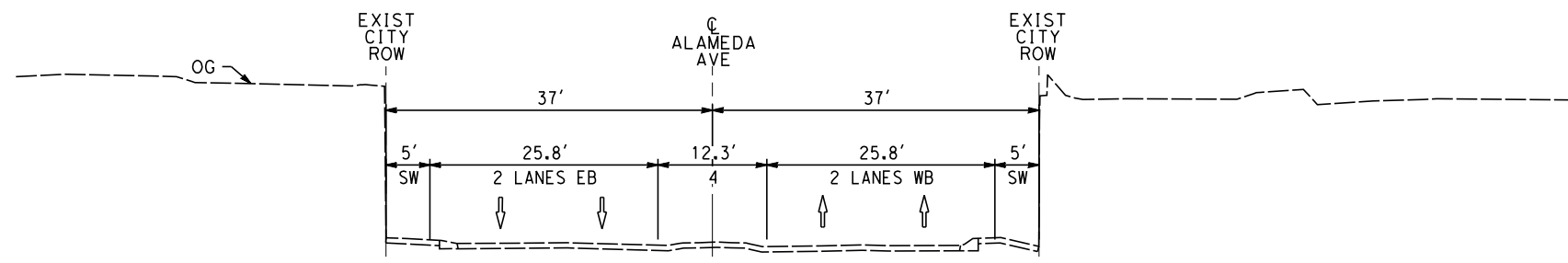


NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



PROP CONDITION  
 STA 05+85  
 CV-T1063 NO SCALE (A)



EXIST CONDITION  
 STA 07+50  
 CV-T1063 NO SCALE (B)

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
 DRAWN BY  
**A. CORTEZ**  
 CHECKED BY  
**R. YU**  
 IN CHARGE  
**K. PIRBAZARI**  
 DATE  
**04/30/2019**

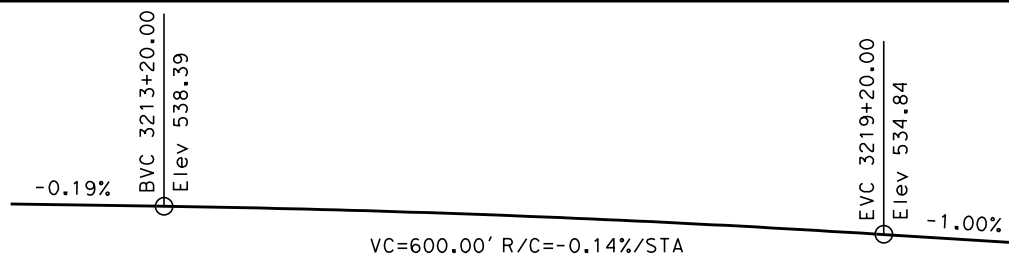
**PEPD  
 RECORD SET**  
  
**NOT FOR  
 CONSTRUCTION**



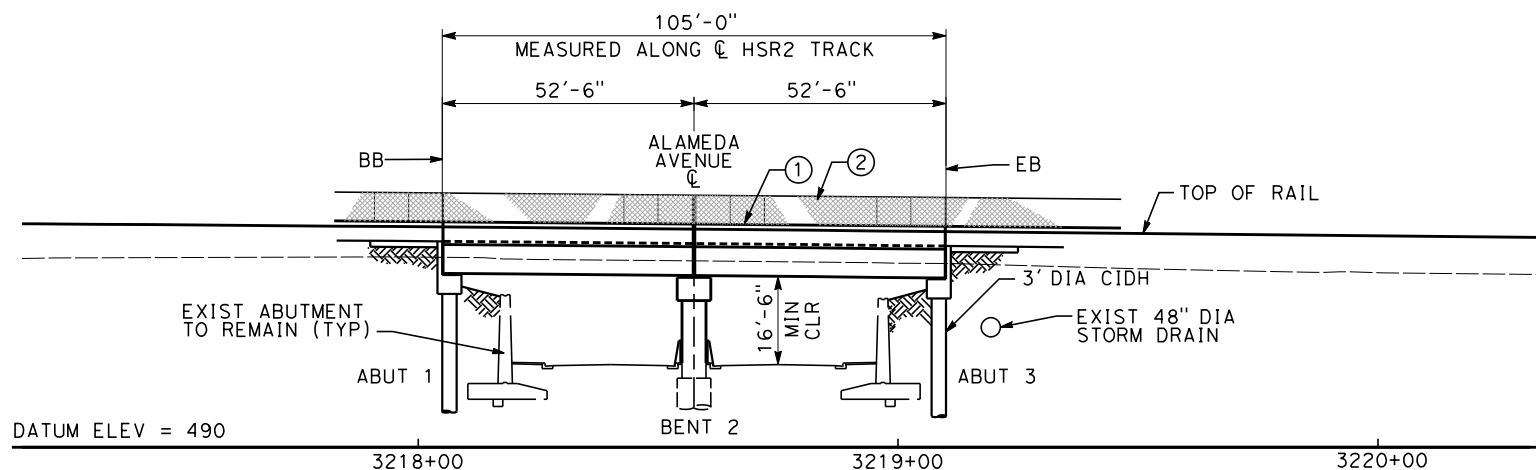
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
 BURBANK TO LOS ANGELES**  
  
 PEPD  
 GRADE SEPARATION - ALAMEDA AVE UNDERPASS  
 CROSS-SECTION

CONTRACT NO.  
 HSR14-39  
 DRAWING NO.  
 CV-T3061  
 SCALE  
 AS SHOWN  
 SHEET NO.

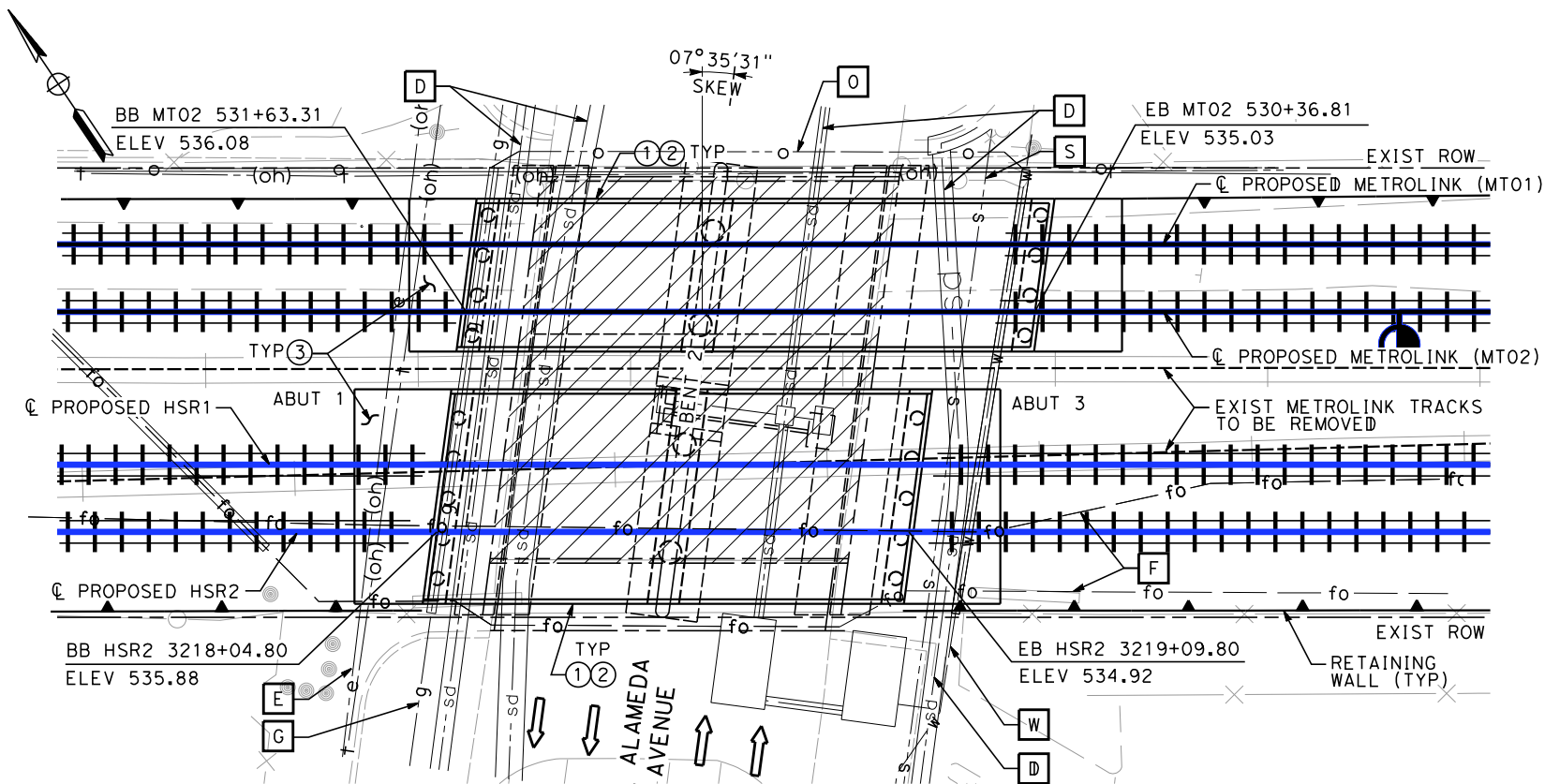




**TOP OF RAIL PROFILE (HSR2)**  
NO SCALE



**ELEVATION - HSR BRIDGE**  
SCALE: 1"=20'



**PLAN**  
SCALE: 1"=20'

**EXISTING UTILITIES**

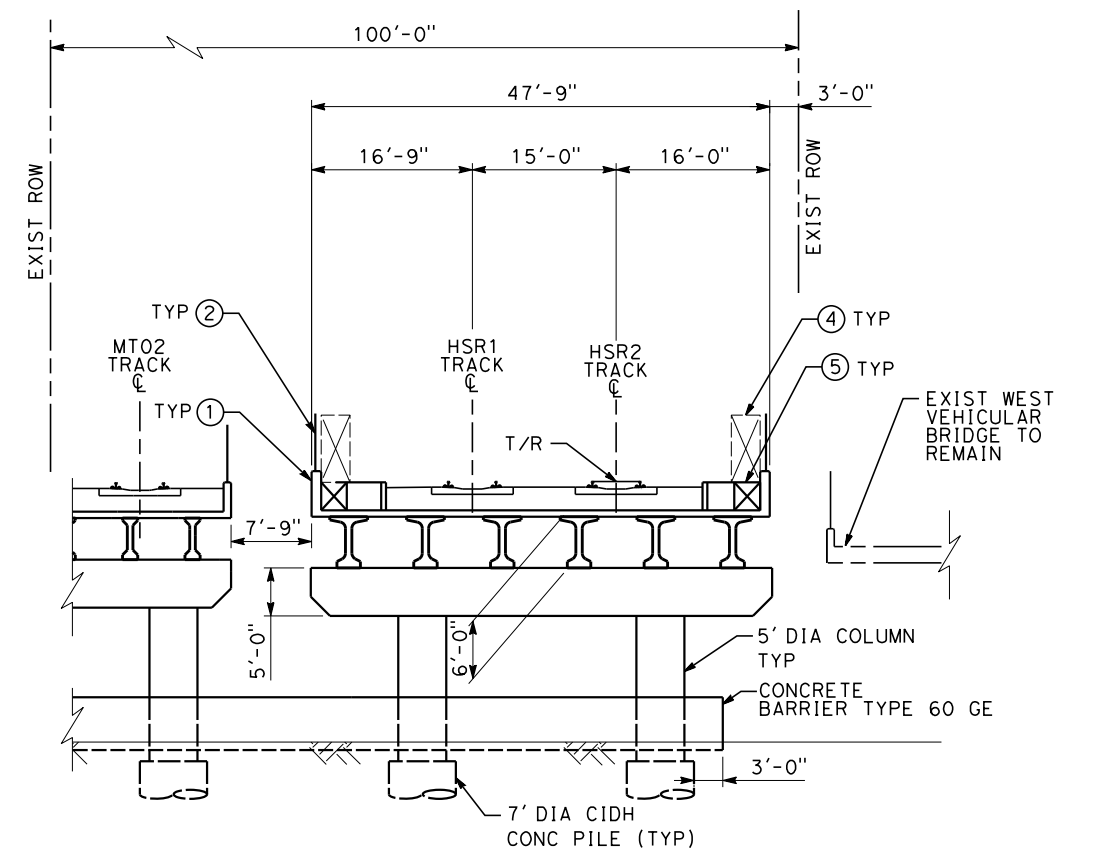
- E ELECTRIC CABLE (OH)
- F FIBER OPTIC
- G GAS
- O OIL
- S SEWER
- D STORM DRAIN
- W WATER

**NOTES**

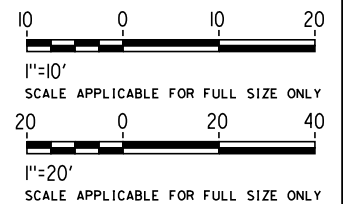
- ① BARRIER
- ② CHAIN LINK RAILING
- ③ STRUCTURE APPROACH SLAB
- ④ WALKWAY (3'-0" WIDE)
- ⑤ CABLE DUCT

**LEGEND**

- ➔ INDICATES DIRECTION OF TRAFFIC
- |||| INDICATES METROLINK AND HST TRACKS
- ▨ INDICATES LIMITS OF BRIDGE REMOVAL



**TYPICAL SECTION**  
SCALE: 1"=10'



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HACHIGHI**

DRAWN BY  
**P. ZUCCHI**

CHECKED BY  
**M. PONCE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - ALAMEDA AVENUE UNDERPASS  
GENERAL PLAN SHEET 1 OF 2

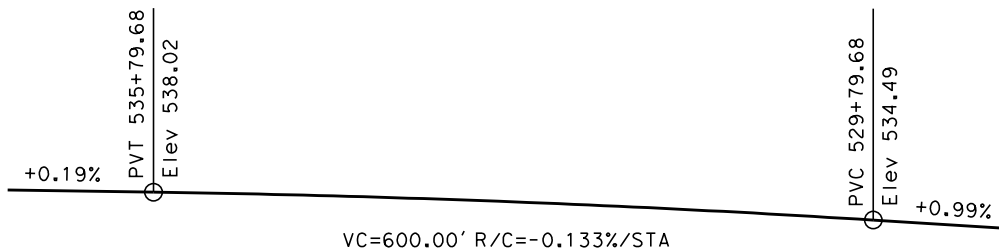
CONTRACT NO.  
HSR14-39

DRAWING NO.  
ST-K1061

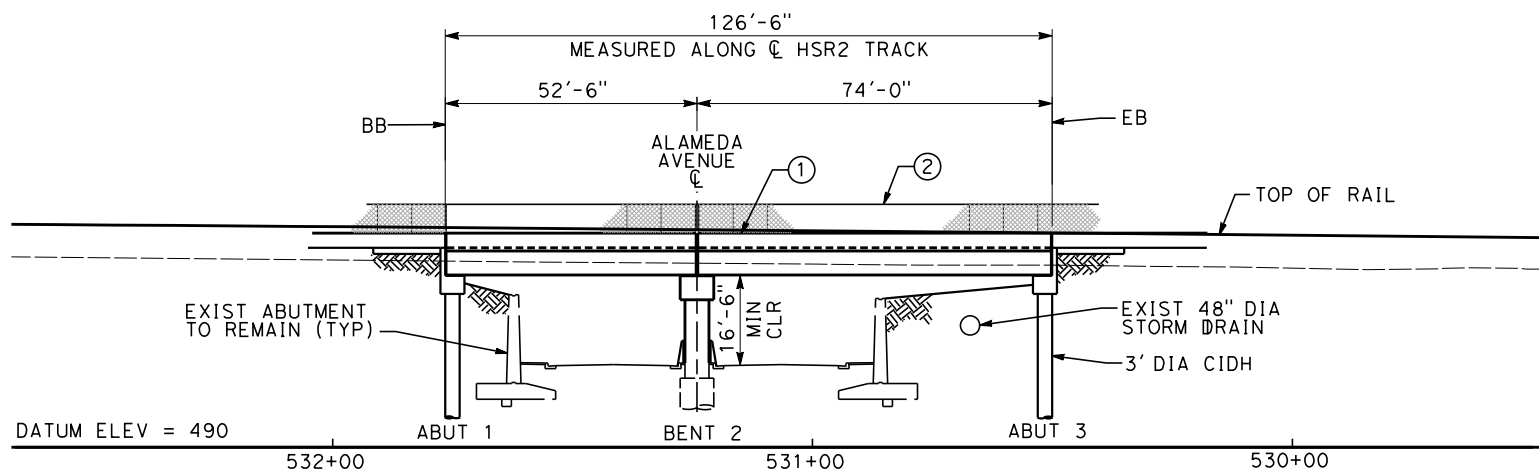
SCALE  
AS SHOWN

SHEET NO.

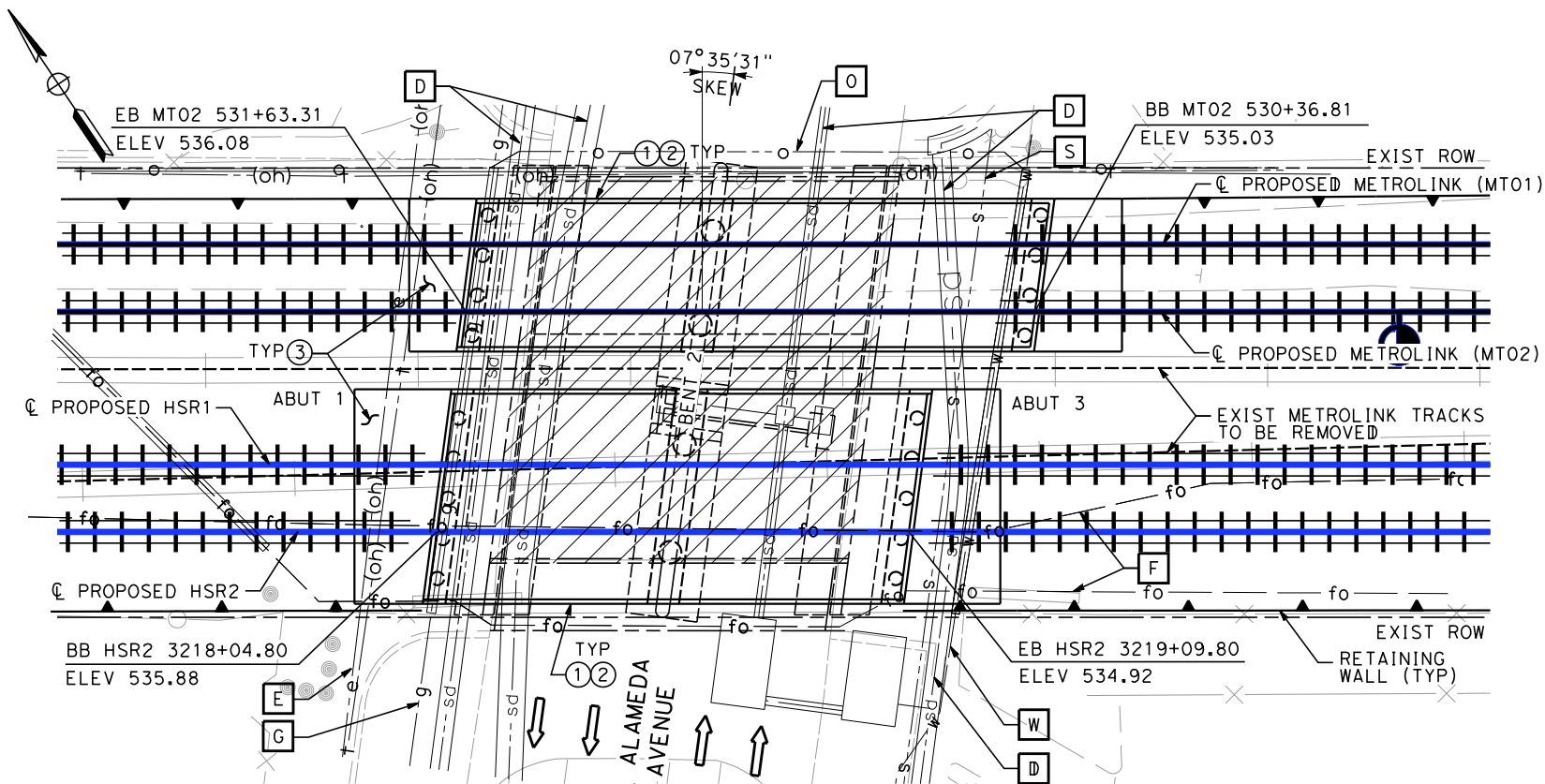




**TOP OF RAIL PROFILE (MT02)**  
NO SCALE



**ELEVATION - METROLINK BRIDGE**  
SCALE: 1"=20'



**PLAN**  
SCALE: 1"=20'

**EXISTING UTILITIES**

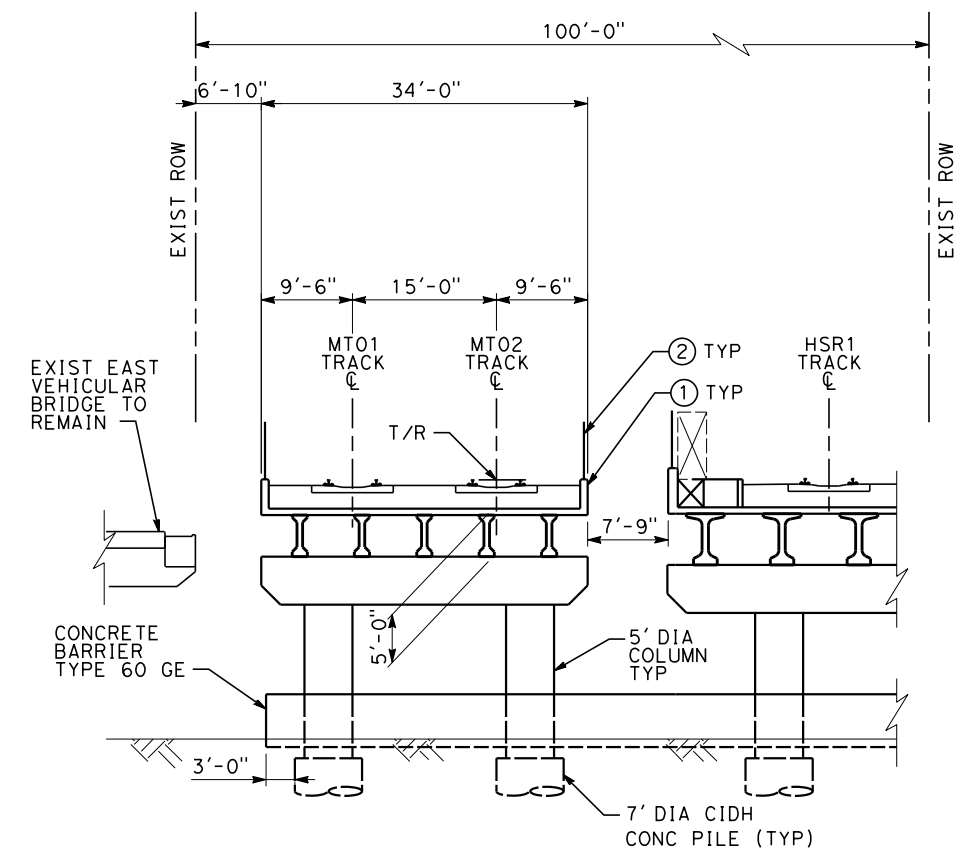
- E ELECTRIC CABLE (OH)
- F FIBER OPTIC
- G GAS
- O OIL
- S SEWER
- D STORM DRAIN
- W WATER

**NOTES**

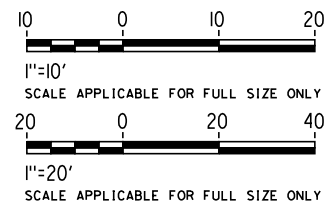
- ① BARRIER
- ② CHAIN LINK RAILING
- ③ STRUCTURE APPROACH SLAB

**LEGEND**

- ➔ INDICATES DIRECTION OF TRAFFIC
- ▤▤▤▤ INDICATES METROLINK AND HST TRACKS
- ▨▨▨▨ INDICATES LIMITS OF BRIDGE REMOVAL



**TYPICAL SECTION**  
SCALE: 1"=10'



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**

DRAWN BY  
**P. ZUCCHI**

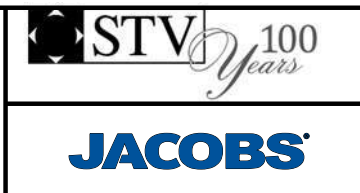
CHECKED BY  
**M. PONCE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - ALAMEDA AVENUE UNDERPASS  
GENERAL PLAN SHEET 2 OF 2

CONTRACT NO.  
HSR14-39

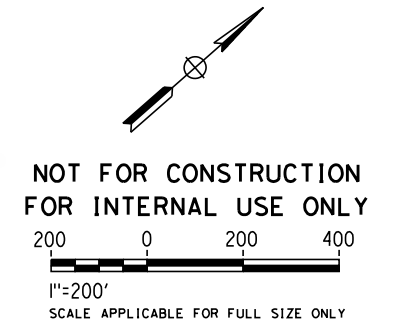
DRAWING NO.  
ST-K1062

SCALE  
AS SHOWN

SHEET NO.



4/30/2019 11:16:35 AM c:\j\p\work\dir\haynesma\d0137103\k2L-CV-T0071.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - SONORA AVE UNDERPASS  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T0071

SCALE  
AS SHOWN

SHEET NO.

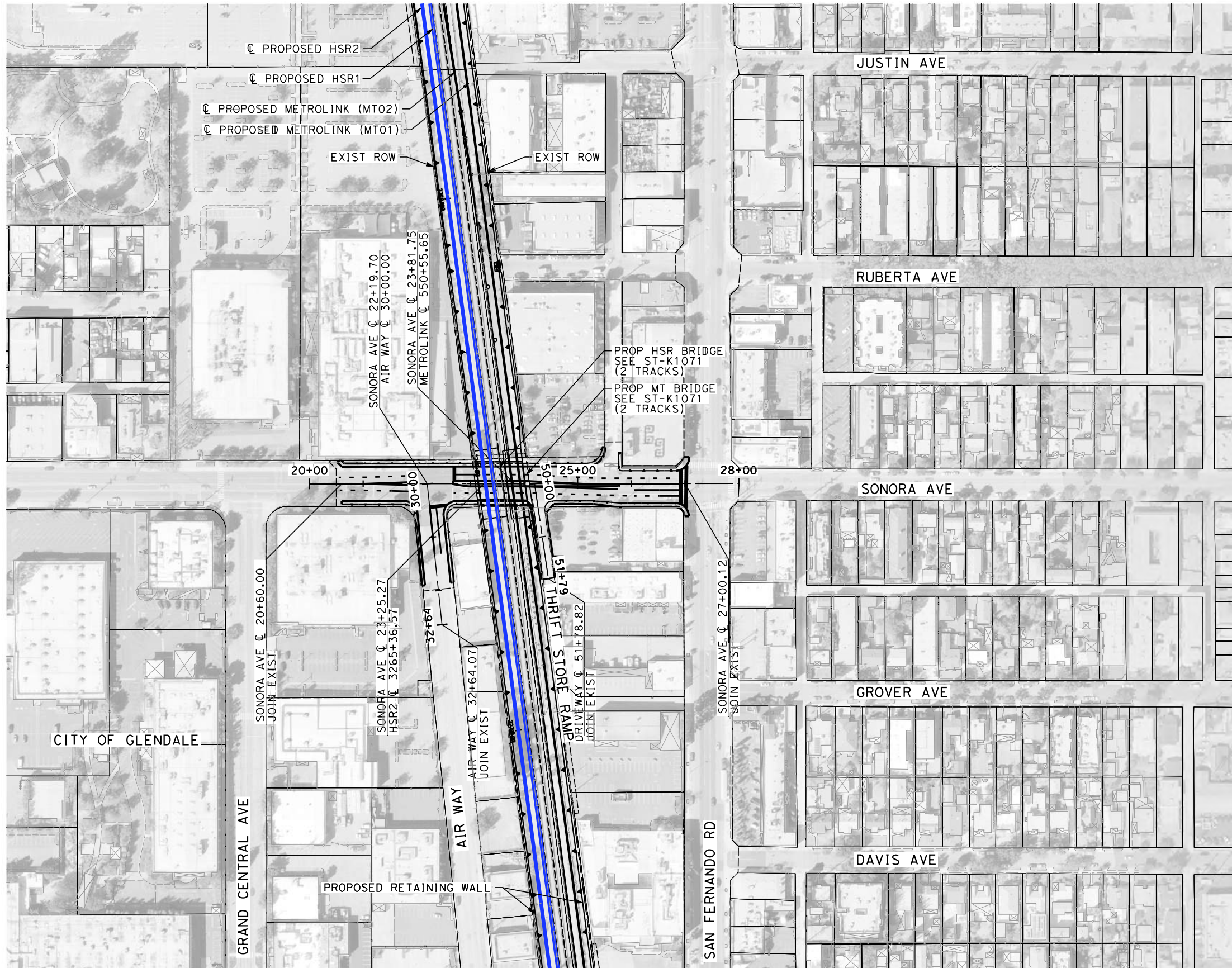


**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

**LINE DATA**

NO	BEARING	DISTANCE
1	N41°22'42"E	800.00'
2	S54°32'05"E	264.07'
3	S56°55'28"E	178.82'



**LEGEND:**

- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS

100 0 100 200  
 1"=100'  
 SCALE APPLICABLE FOR FULL SIZE ONLY

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
 RECORD SET**

**NOT FOR  
 CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
 BURBANK TO LOS ANGELES**

PEPD  
 GRADE SEPARATION - SONORA AVE UNDERPASS  
 PLAN

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1071

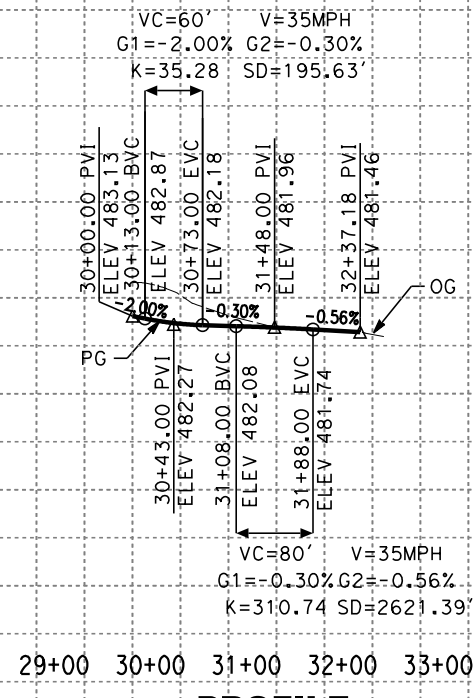
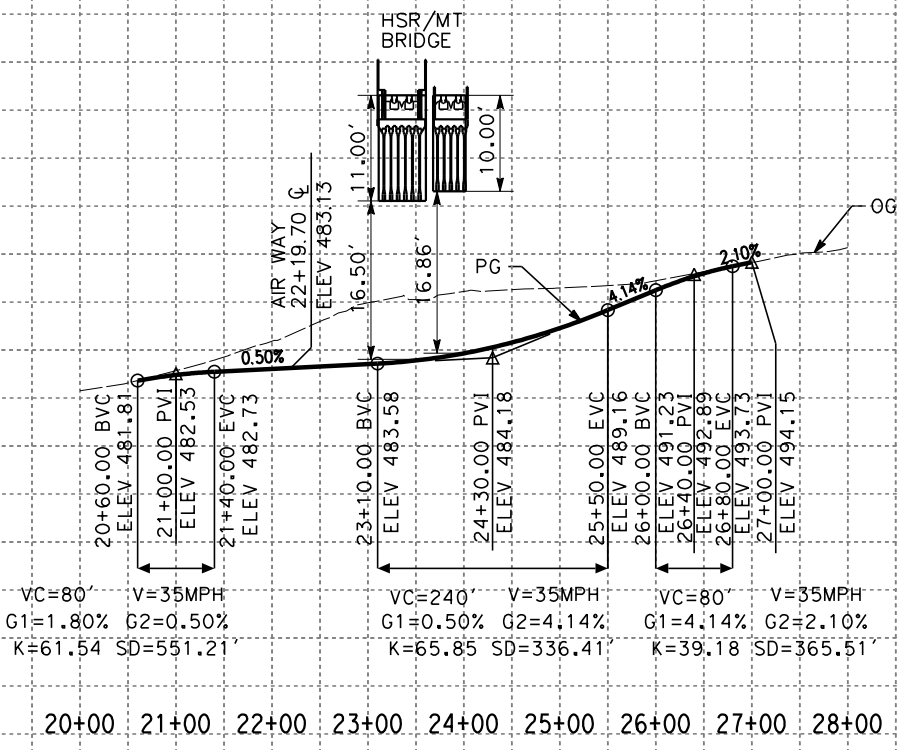
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SHEET NO.



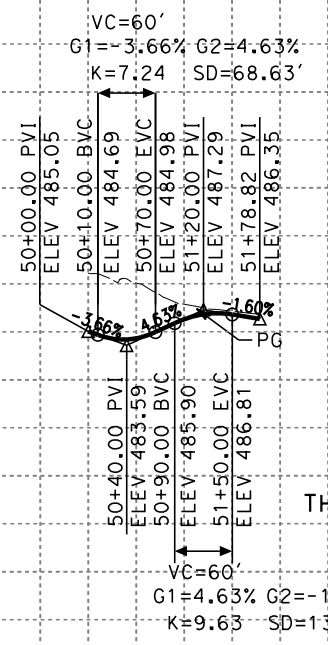
**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

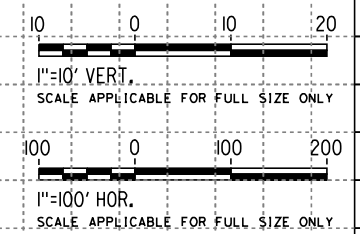


**PROFILE**  
SONORA AVE UNDERPASS  
POSTED SPEED=35MPH

**PROFILE**  
AIR WAY  
POSTED SPEED=25MPH



**PROFILE**  
THRIFT STORE DRIVEWAY



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>C. LEE</b>
DRAWN BY <b>A. CORTEZ</b>
CHECKED BY <b>R. YU</b>
IN CHARGE <b>K. PIRBAZARI</b>
DATE <b>04/30/2019</b>

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**

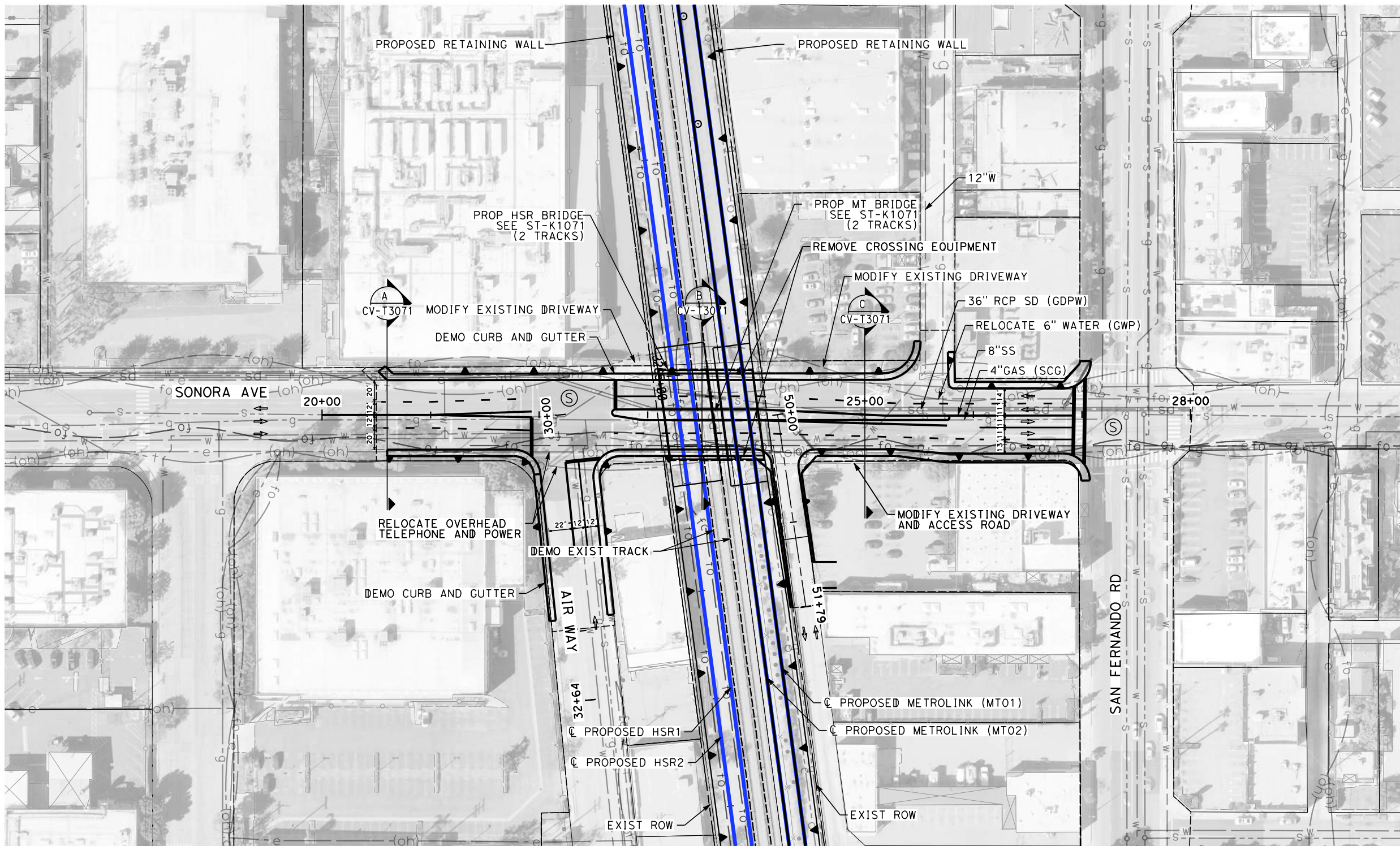


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - SONORA AVE UNDERPASS  
PROFILE

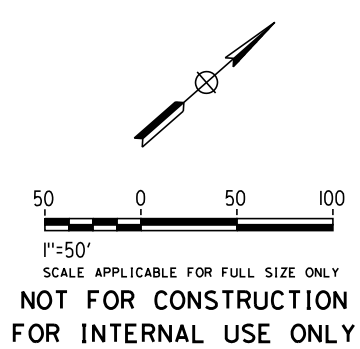
CONTRACT NO. HSR14-39
DRAWING NO. CV-T1072
SCALE AS SHOWN
SHEET NO.





- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

- LEGEND:**
- TEMP CONST EASEMENT
  - PROPOSED ROW
  - ▲ RETAINING WALL
  - ▭ EXISTING DRIVEWAYS
  - ▨ IMPACTED AREAS



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**

**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - SONORA AVE UNDERPASS  
IMPACT PLAN

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1073

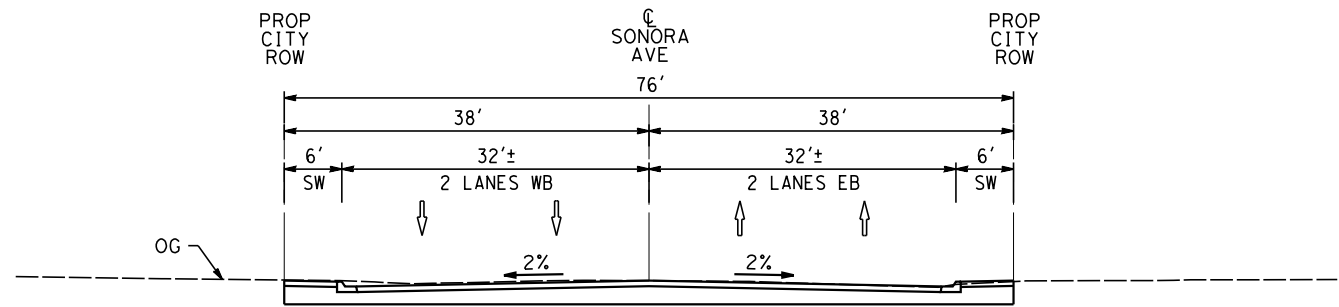
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AS SHOWN

SHEET NO.

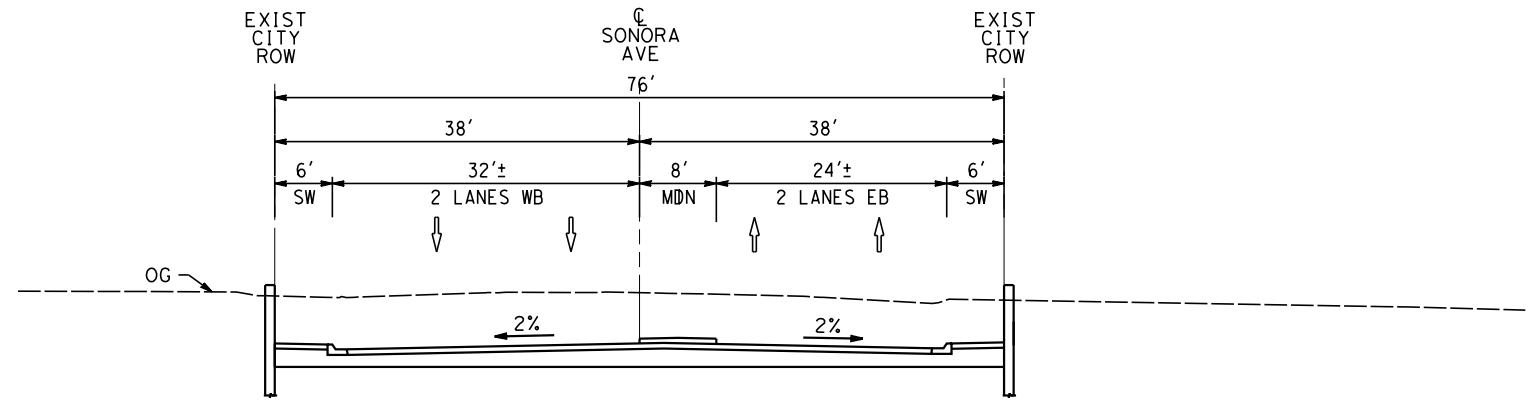


**NOTES:**

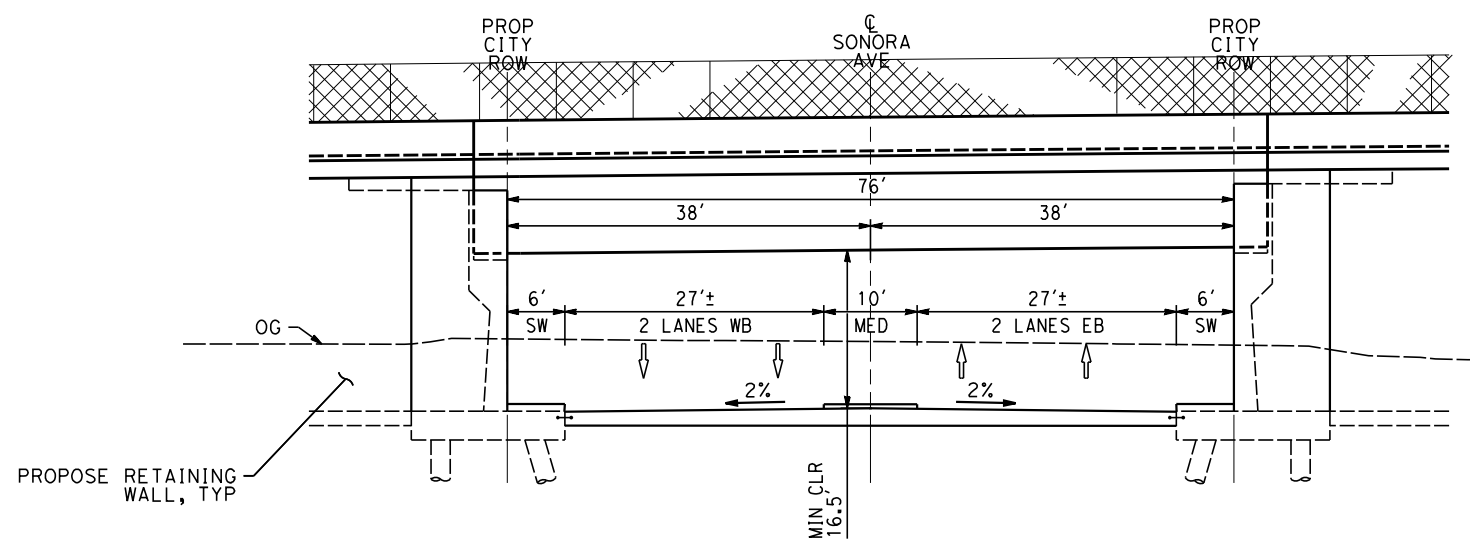
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



EXIST CONDITION  
STA 20+60  
CV-T1073 NO SCALE (A)



PROP CONDITION  
STA 25+00  
CV-T1073 NO SCALE (C)



PROP CONDITION  
STA 23+50  
CV-T1073 NO SCALE (B)

NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY

4/30/2019 11:19:47 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T3071.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

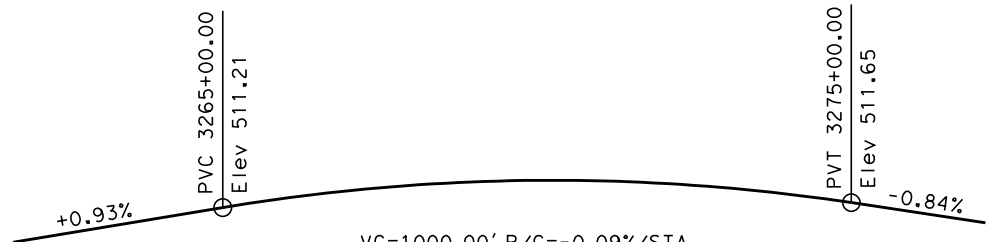
**PEPD RECORD SET**  
  
**NOT FOR CONSTRUCTION**



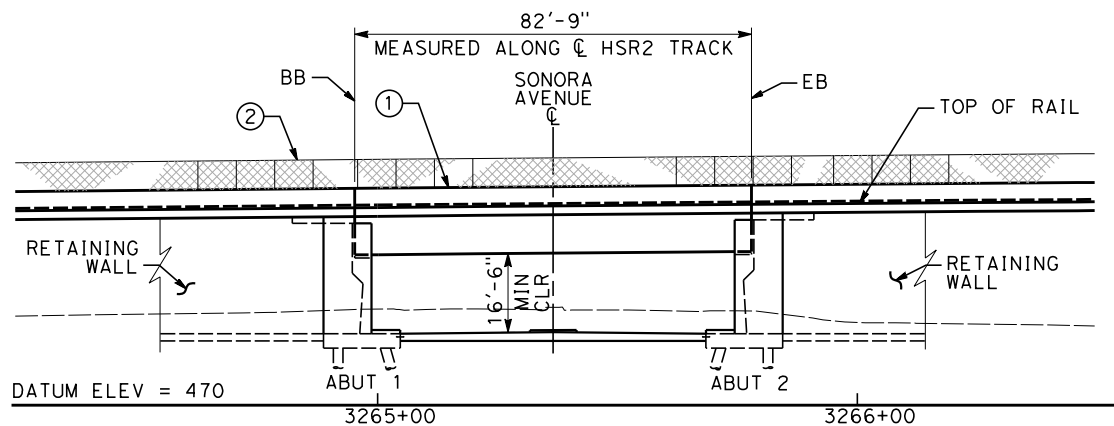
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - SONORA AVE UNDERPASS  
CROSS-SECTION

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T3071  
SCALE  
AS SHOWN  
SHEET NO.

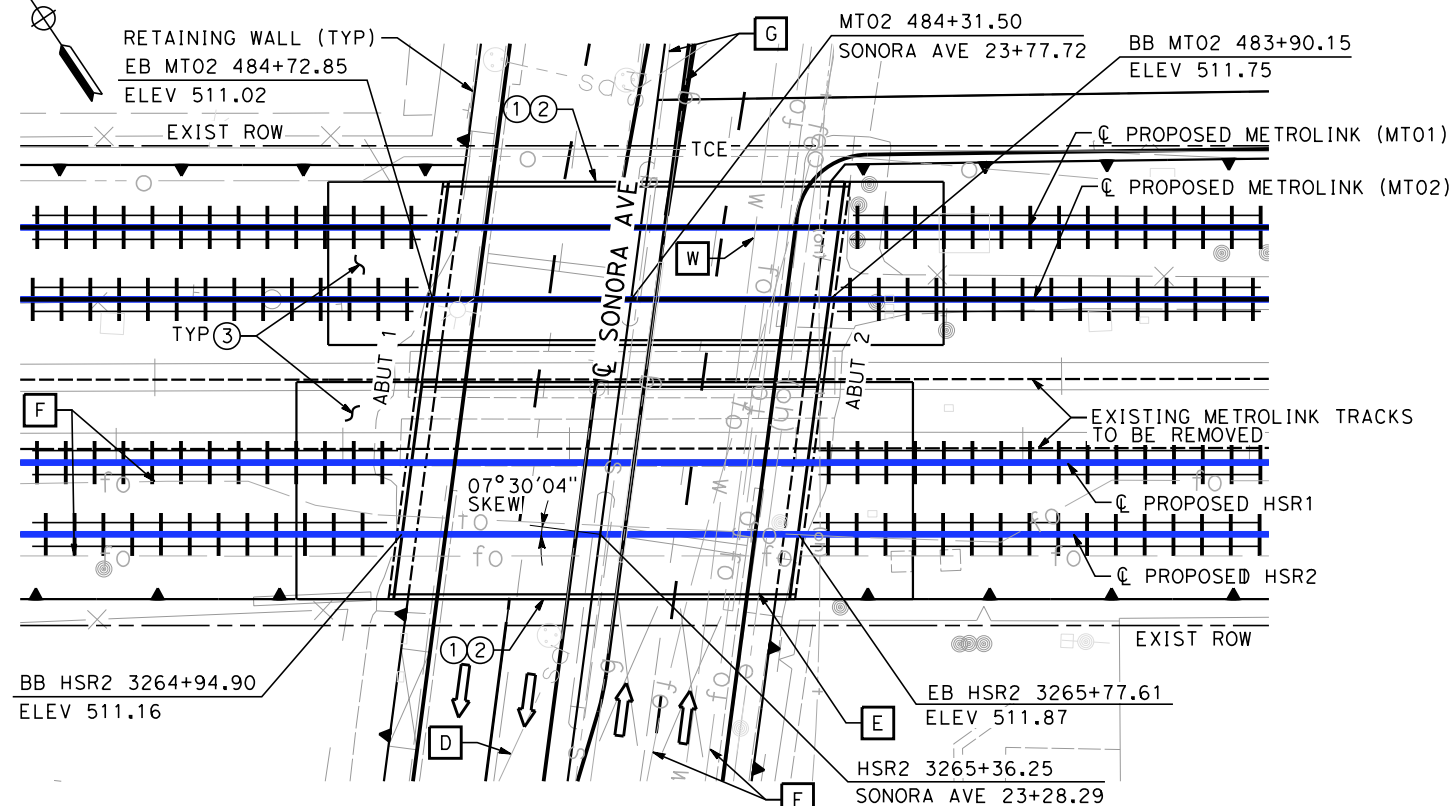




**TOP OF RAIL PROFILE (HSR2)**  
NO SCALE



**ELEVATION - HSR BRIDGE (METROLINK BRIDGE SIMILAR)**  
SCALE: 1"=20'



**PLAN**  
SCALE: 1"=20'

**EXISTING UTILITIES**

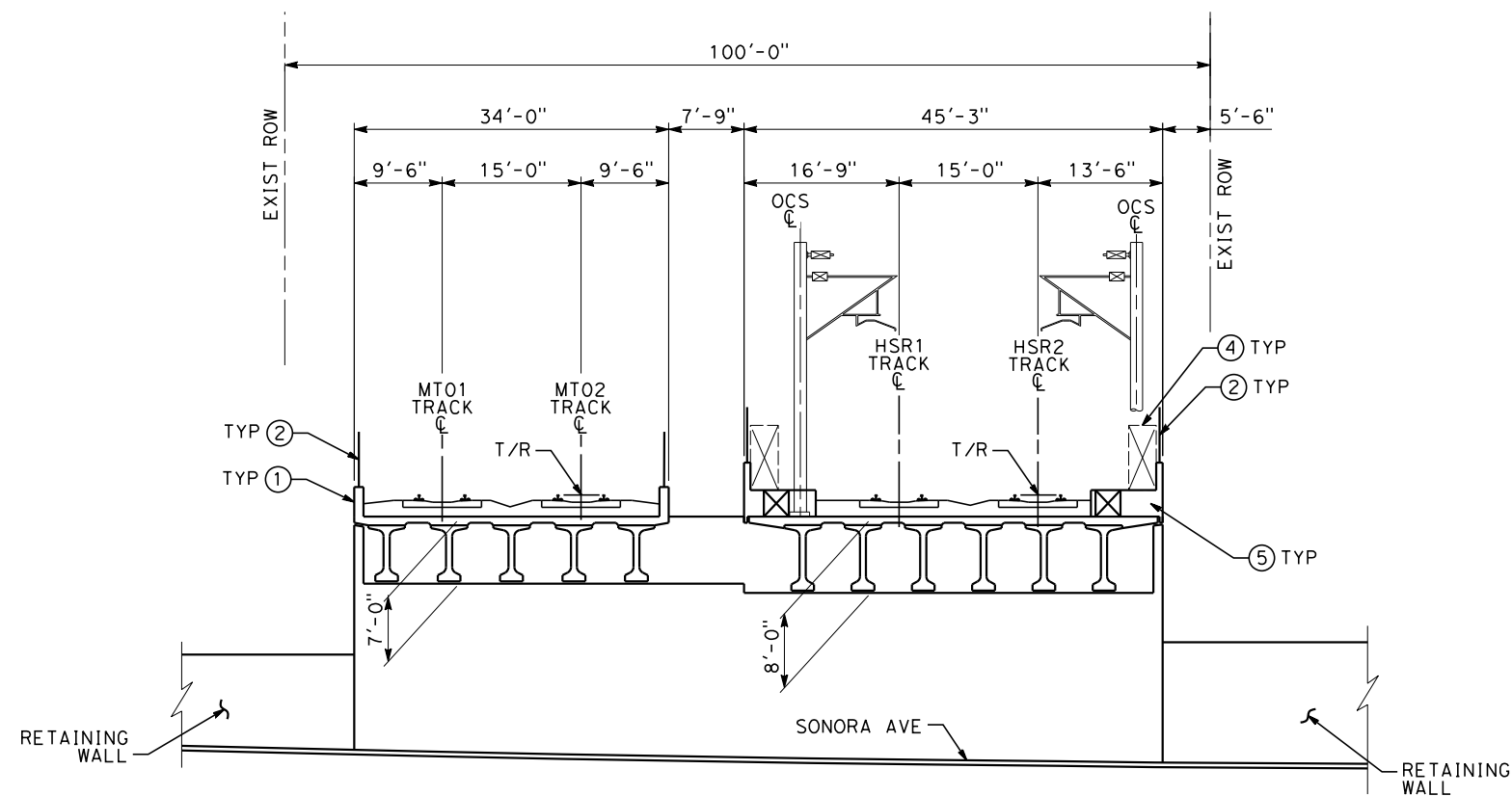
- E** ELECTRIC CABLE (OH)
- F** FIBER OPTIC
- G** GAS
- S** SEWER
- D** STORM DRAIN
- W** WATER

**NOTES**

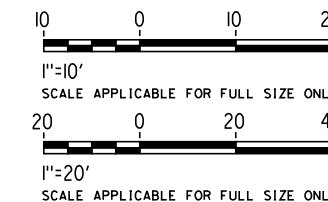
- ① CONCRETE BARRIER
- ② CHAIN LINK RAILING (TYPE 7 MODIFIED)
- ③ STRUCTURE APPROACH SLAB
- ④ WALKWAY (3'-0" WIDE)
- ⑤ CABLE DUCT

**LEGEND**

- ➔ INDICATES DIRECTION OF TRAFFIC
- ▤▤▤▤ INDICATES METROLINK AND HST TRACKS



**TYPICAL SECTION - ABUTMENT 2**  
SCALE: 1"=10'



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4/30/2019 11:20:05 AM c:\jip\pwworkdir\haynesma\d0137172\k2l-st-k1071.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>D. HAGHIGHI</b>
DRAWN BY <b>P. ZUCCHI</b>
CHECKED BY <b>M. PONCE</b>
IN CHARGE <b>K. PIRBAZARI</b>
DATE <b>04/30/2019</b>

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



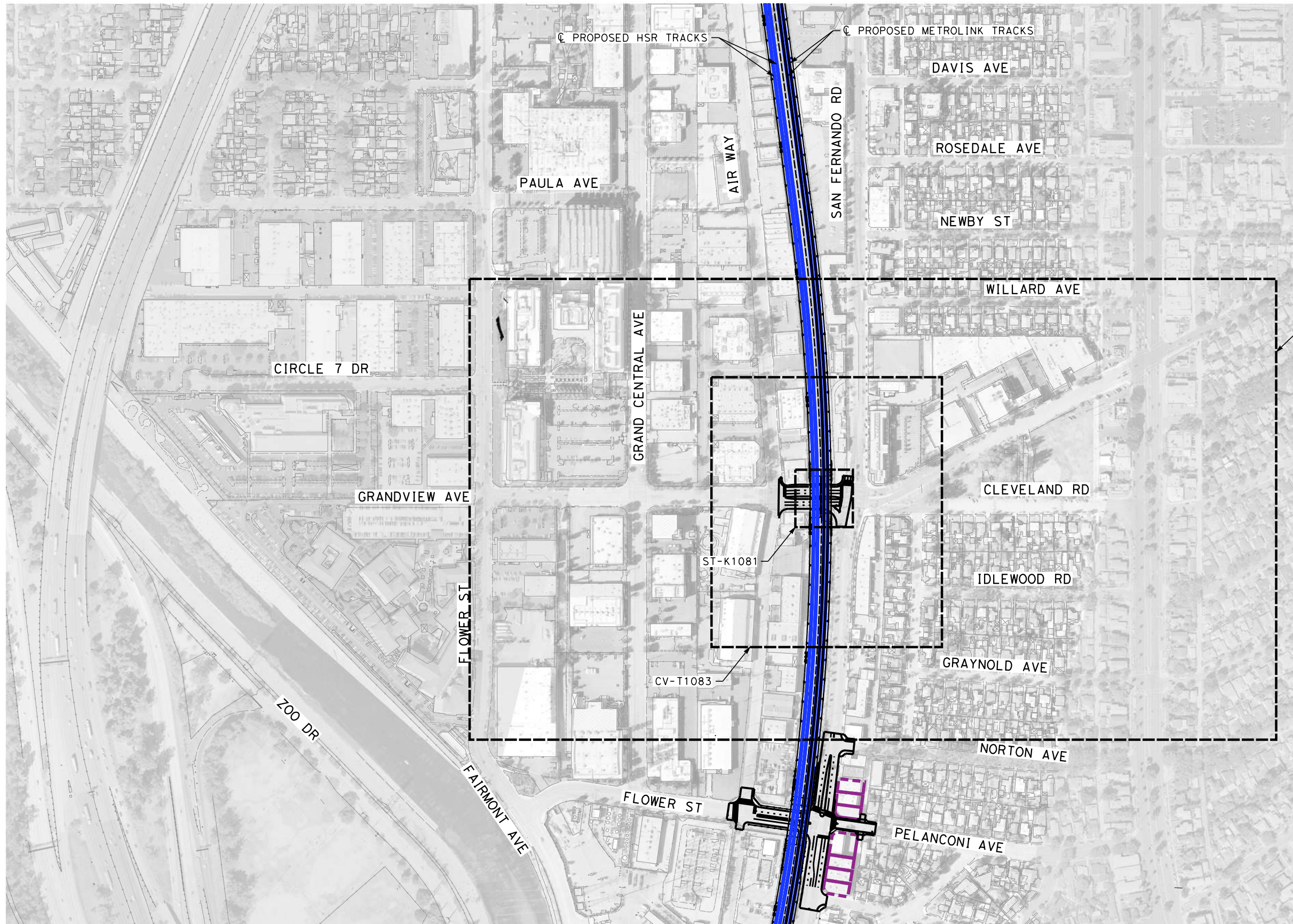
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - SONORA AVE UNDERPASS  
GENERAL PLAN SHEET 1 OF 1

CONTRACT NO. <b>HSR14-39</b>
DRAWING NO. <b>ST-K1071</b>
SCALE <b>AS SHOWN</b>
SHEET NO.



4/30/2019 11:20:53 AM c:\jip\pwworkdir\haynesma\d0137103\k2l\cv-t0081.dgn



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200 0 200 400

1"=200'  
SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - GRANDVIEW AVE UNDERPASS  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39

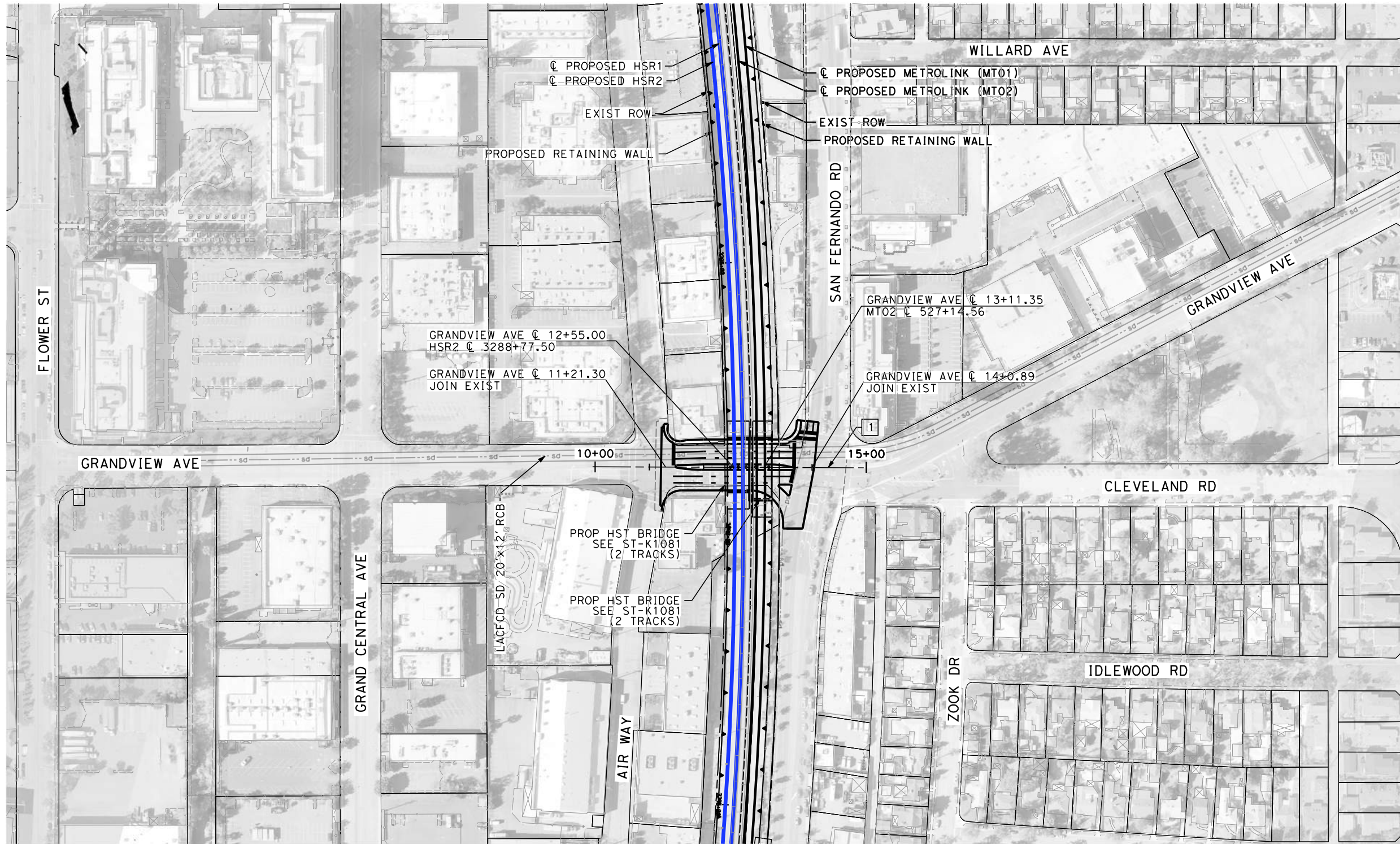
DRAWING NO.  
CV-T0081

SCALE  
AS SHOWN

SHEET NO.



4/30/2019 11:22:05 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1081.dgn

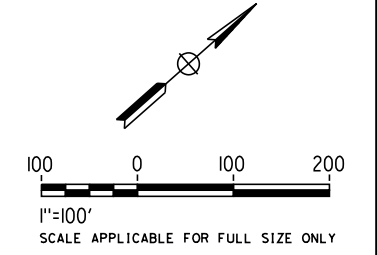


- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

**LINE DATA**

NO	BEARING	DISTANCE
1	N41°30'03"E	500.00'

- LEGEND:**
- PROPOSED ROW
  - RETAINING WALL
  - EXISTING DRIVEWAYS
  - IMPACTED AREAS



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - GRANDVIEW AVE UNDERPASS  
PLAN

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1081

SCALE  
AS SHOWN

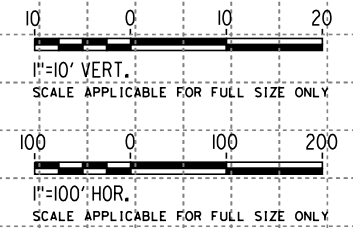
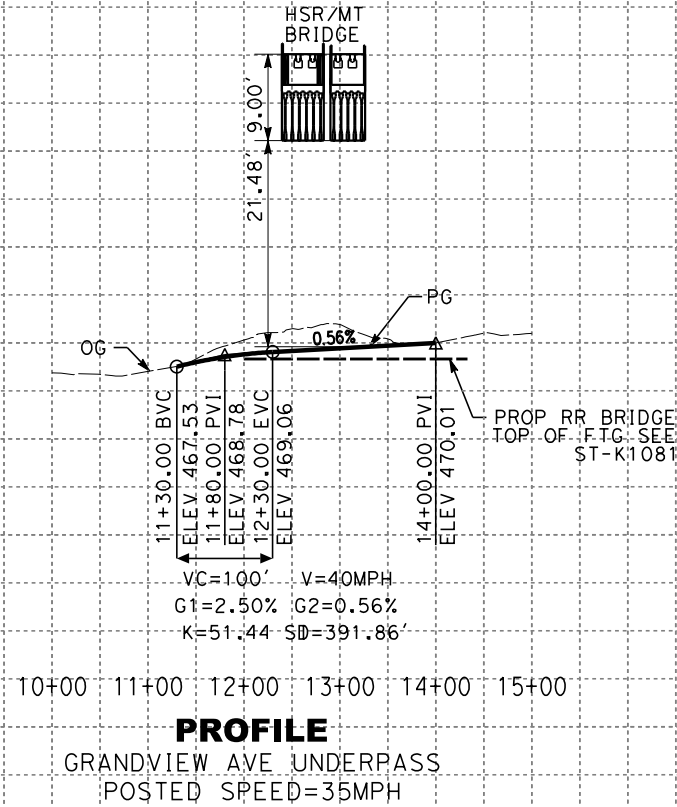
SHEET NO.



4/30/2019 11:22:33 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1082.dgn

**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - GRANDVIEW AVE UNDERPASS  
PROFILE

CONTRACT NO.  
HSR14-39

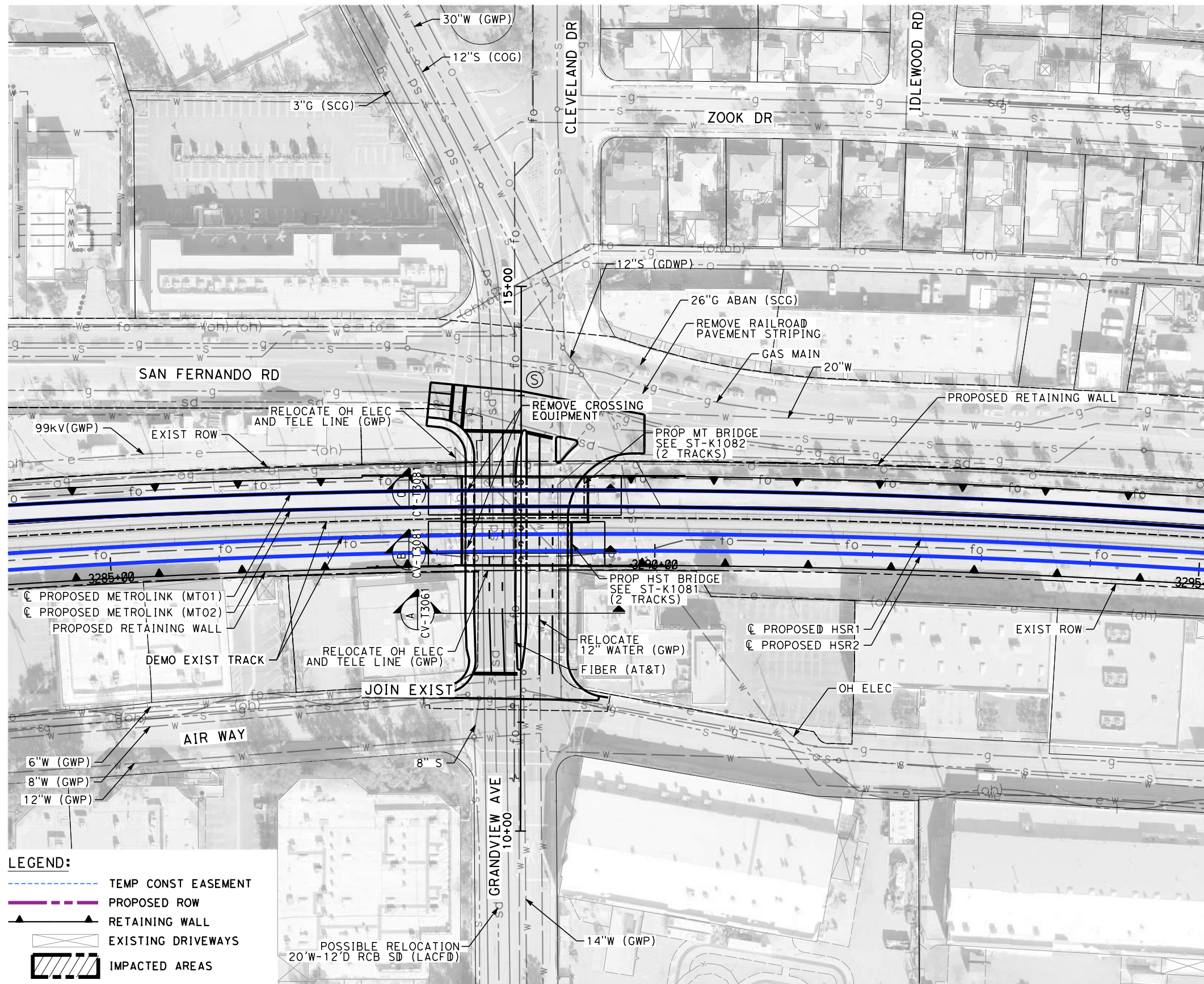
DRAWING NO.  
CV-T1082

SCALE  
AS SHOWN

SHEET NO.



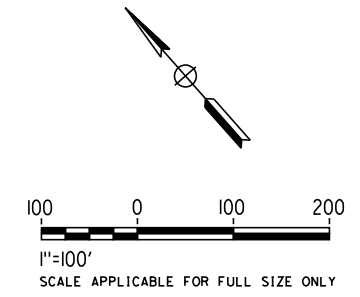
4/30/2019 11:23:37 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t1083.dgn



- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

**LEGEND:**

- TEMP CONST EASEMENT
- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - GRANDVIEW AVE UNDERPASS  
IMPACT PLAN

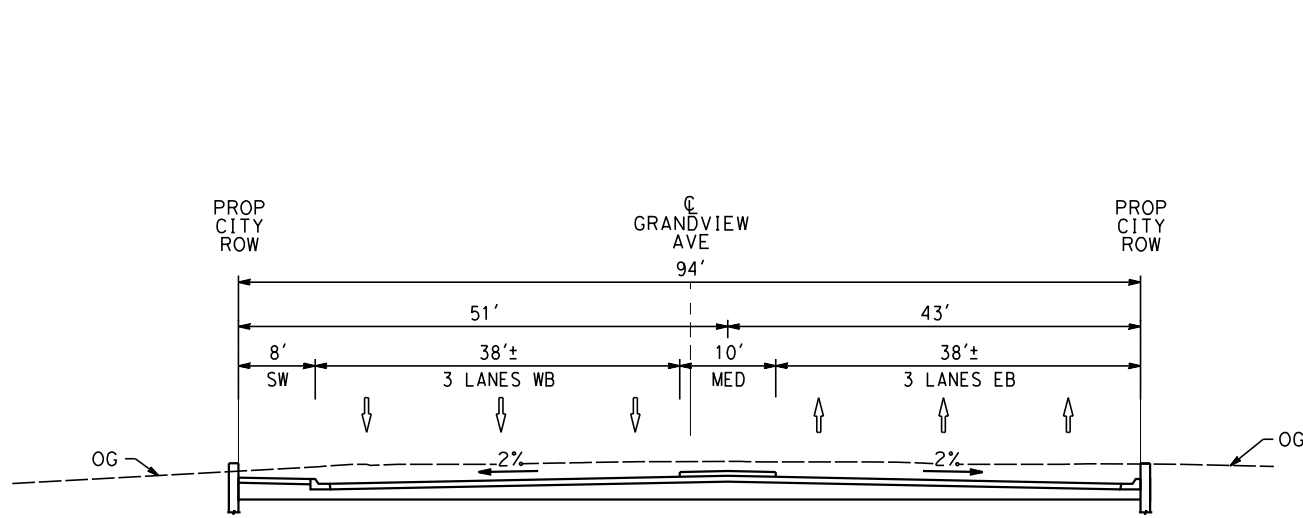
CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1083

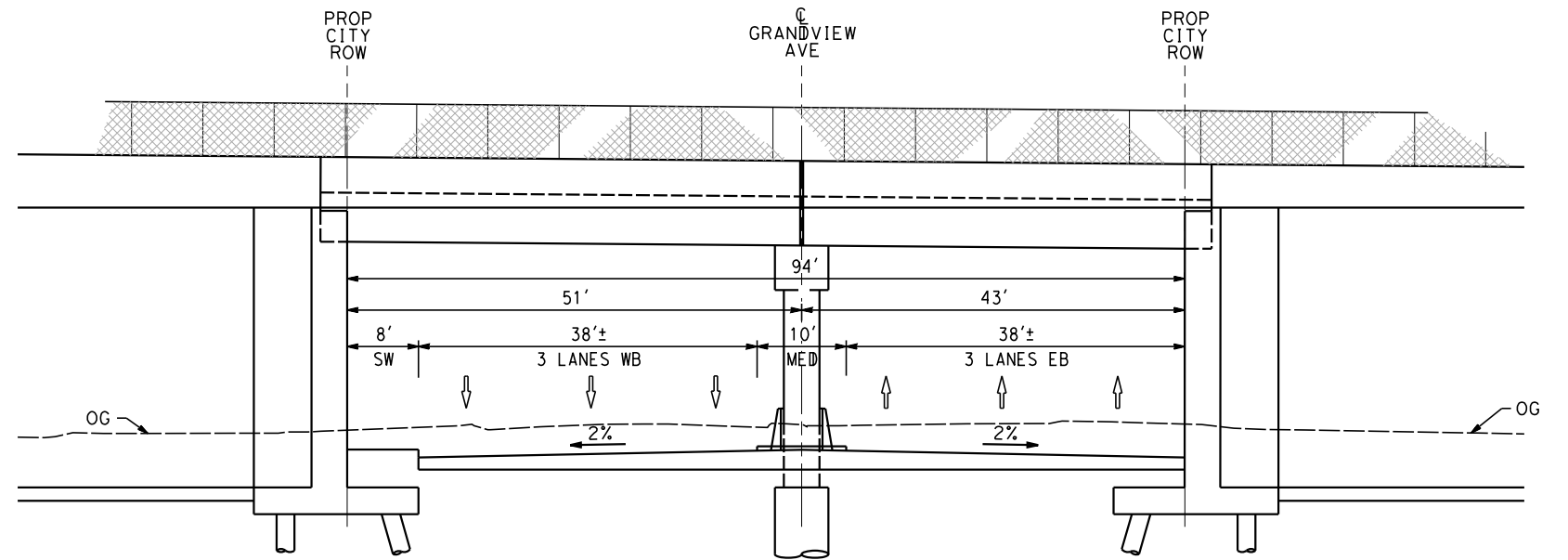
SCALE  
AS SHOWN

SHEET NO.

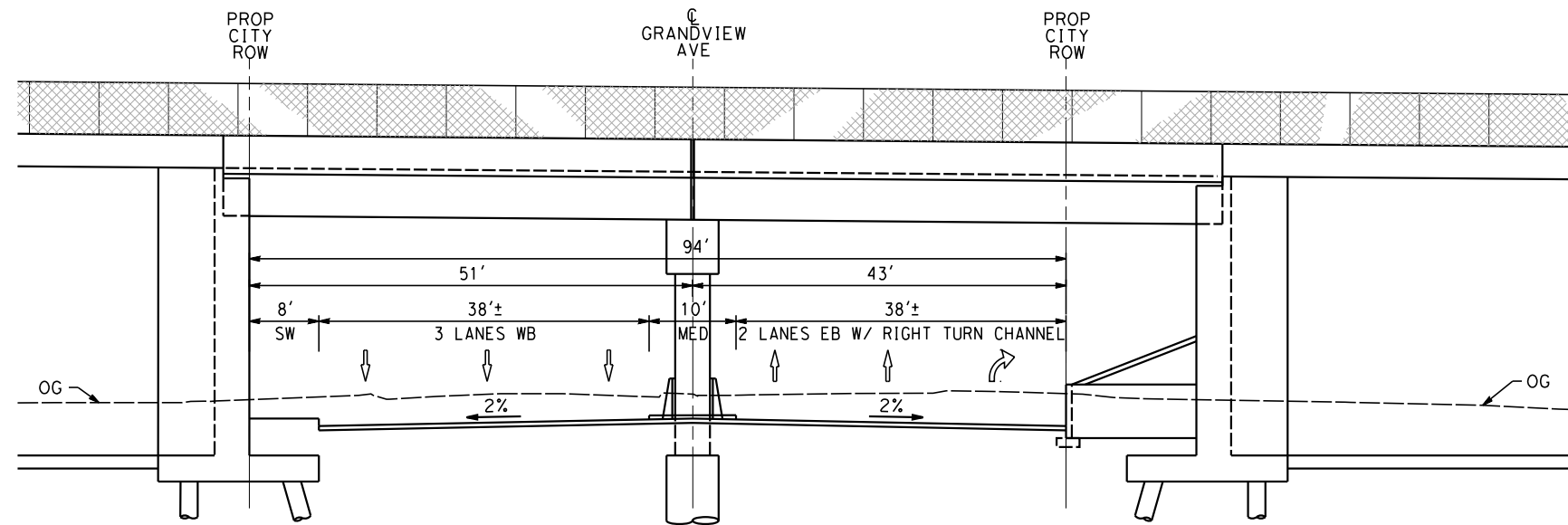




PROP CONDITION  
STA 12+00  
CV-T1063 NO SCALE (A)



PROP CONDITION  
STA 13+11.35  
CV-T1063 NO SCALE (B)



PROP CONDITION  
STA 13+11.35  
CV-T1063 NO SCALE (C)

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4/30/2019 11:24:19 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t3081.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

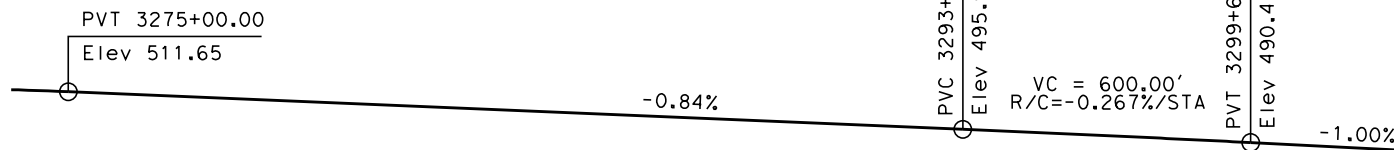
**PEPD  
RECORD SET**  
  
**NOT FOR  
CONSTRUCTION**



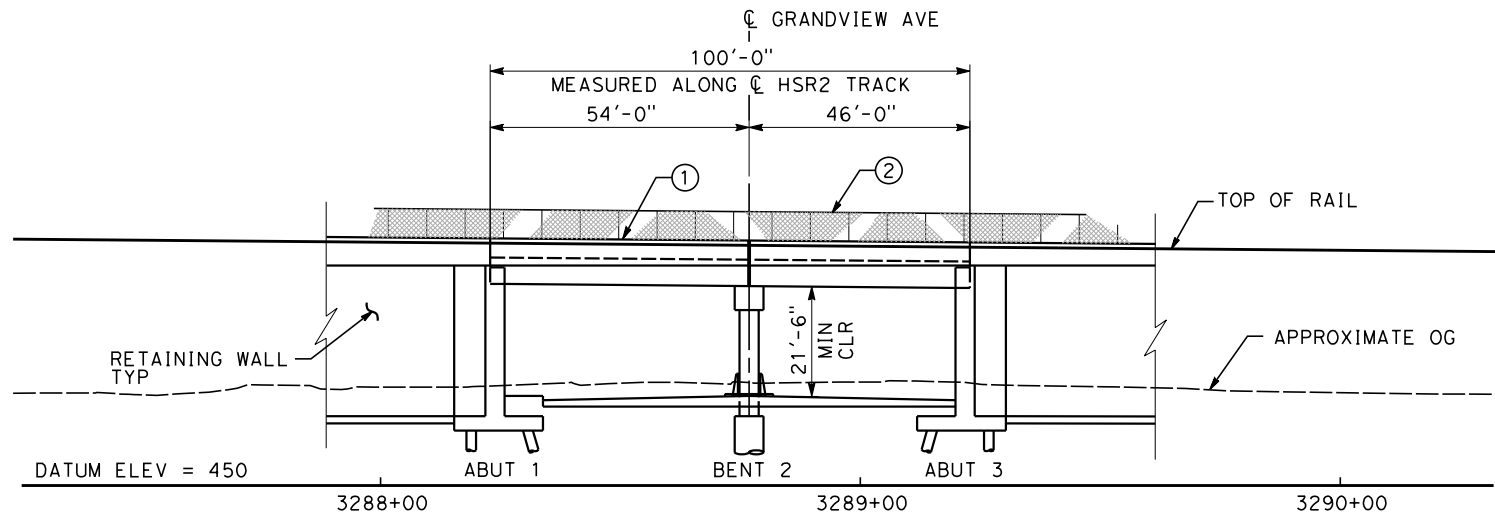
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - GRANDVIEW AVE UNDERPASS  
CROSS SECTION

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T3081  
SCALE  
SCALE  
SHEET NO.

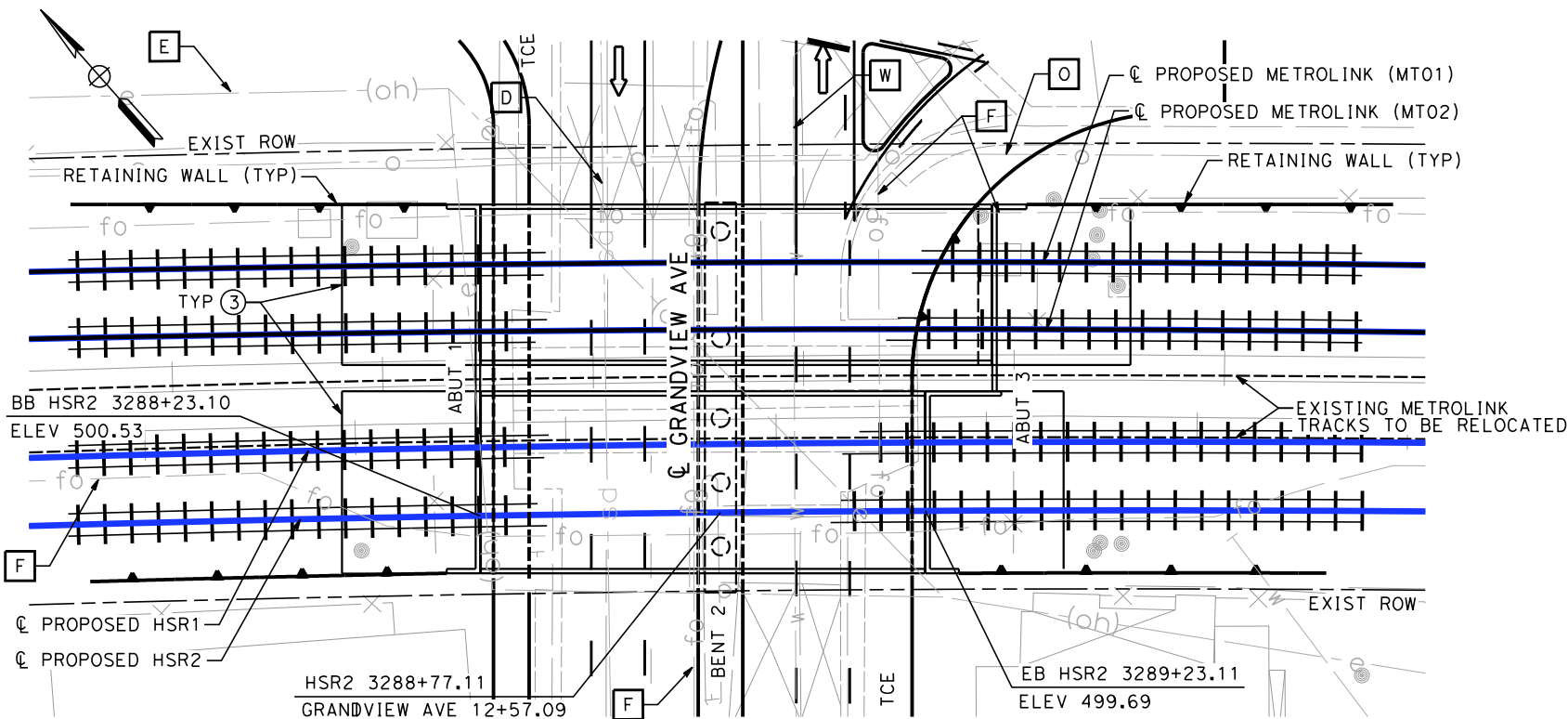




**TOP OF RAIL PROFILE (HSR2)**  
NO SCALE



**ELEVATION - HSR BRIDGE**  
SCALE: 1"=20'



**PLAN**  
SCALE: 1"=20'

**EXISTING UTILITIES**

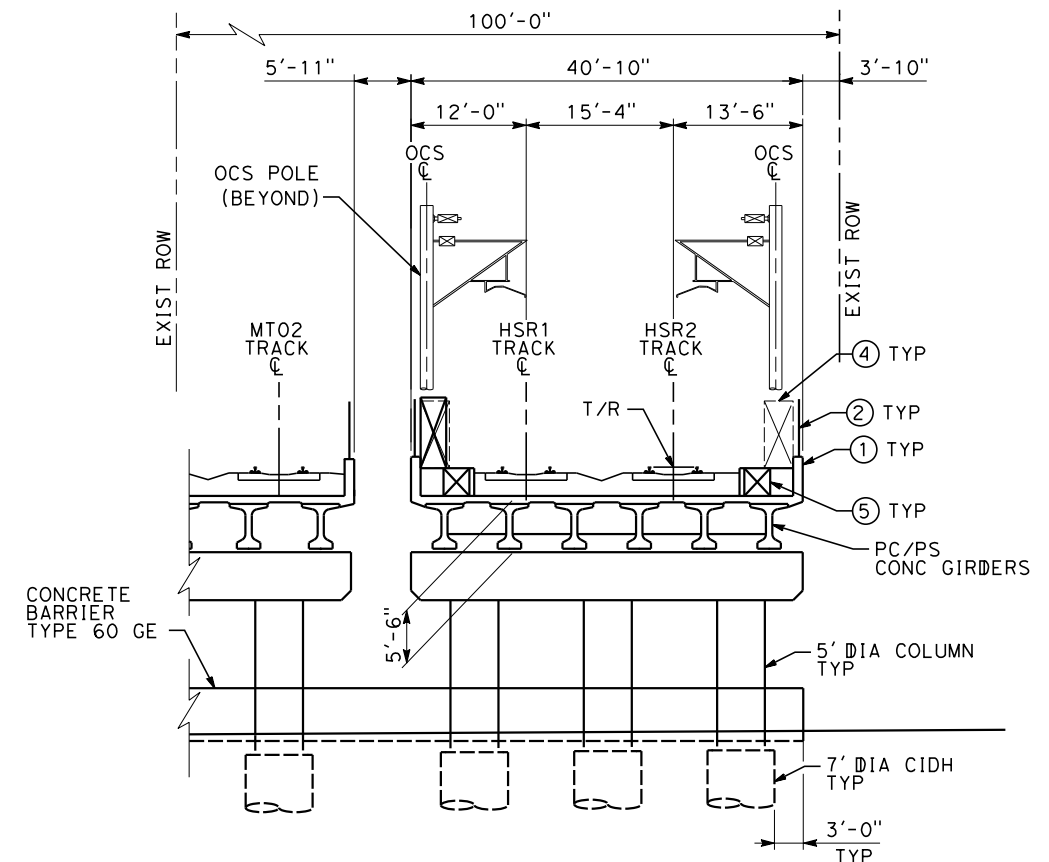
- E** ELECTRIC CABLE (OH)
- F** FIBER OPTIC
- O** OIL
- D** STORM DRAIN
- W** WATER

**NOTES**

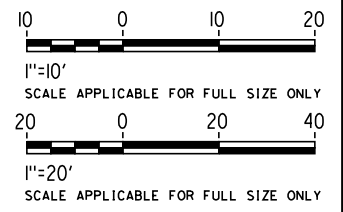
- ① BARRIER
- ② CHAIN LINK RAILING
- ③ STRUCTURE APPROACH SLAB
- ④ WALKWAY (3'-0" WIDE)
- ⑤ CABLE DUCT

**LEGEND**

- ➔ INDICATES DIRECTION OF TRAFFIC
- ▤▤▤▤ INDICATES METROLINK AND HST TRACKS



**TYPICAL SECTION - HSR**  
SCALE: 1"=10'



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4/30/2019 11:24:40 AM c:\j\p\pwworkdir\haynesma\d0137172\k2l-st-k1081.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HACHIGHI**  
DRAWN BY  
**P. ZUCCHI**  
CHECKED BY  
**M. PONCE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

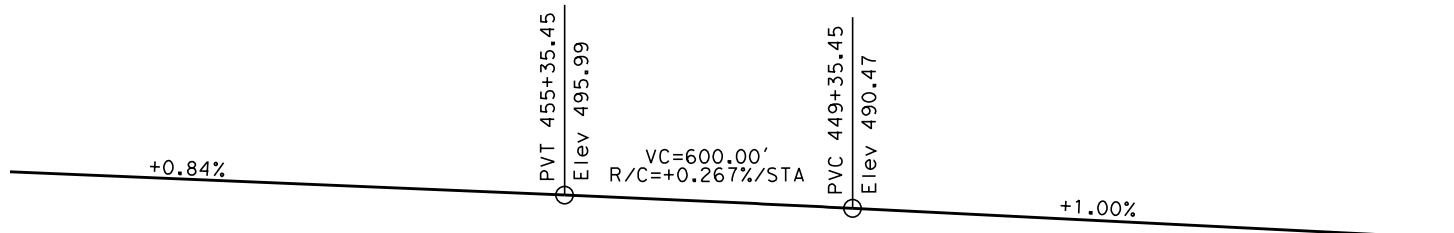
**PEPD RECORD SET**  
  
**NOT FOR CONSTRUCTION**



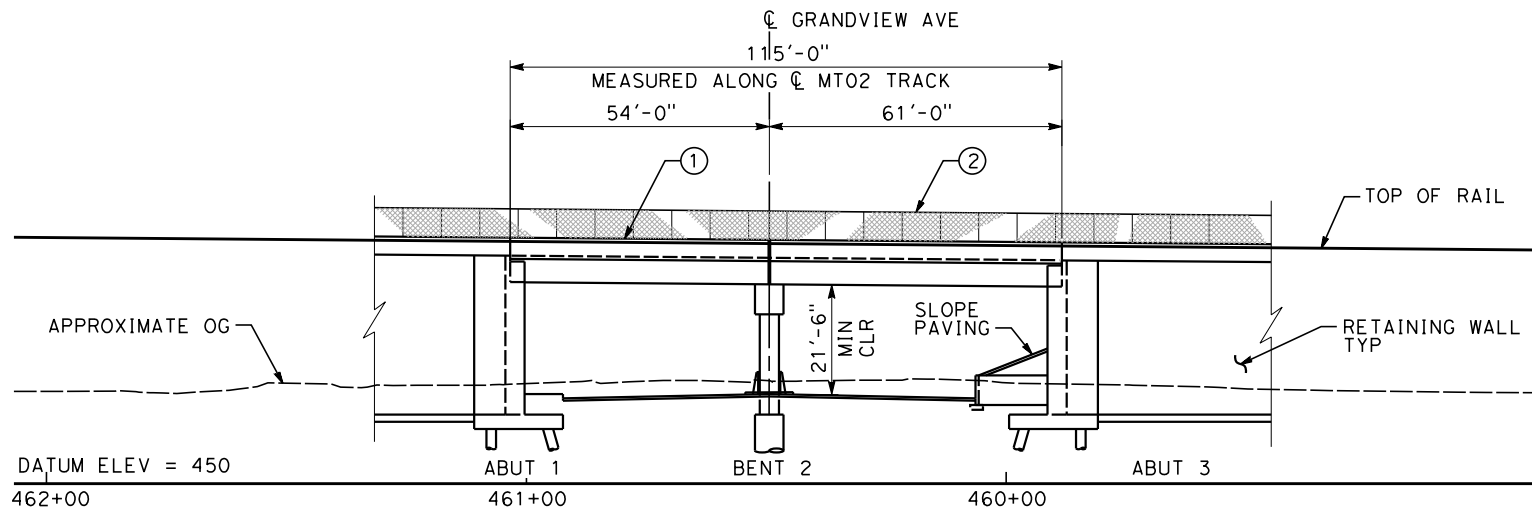
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - GRANDVIEW AVE UNDERPASS  
GENERAL PLAN - SHEET 1 OF 2

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
ST-K1081  
SCALE  
AS SHOWN  
SHEET NO.

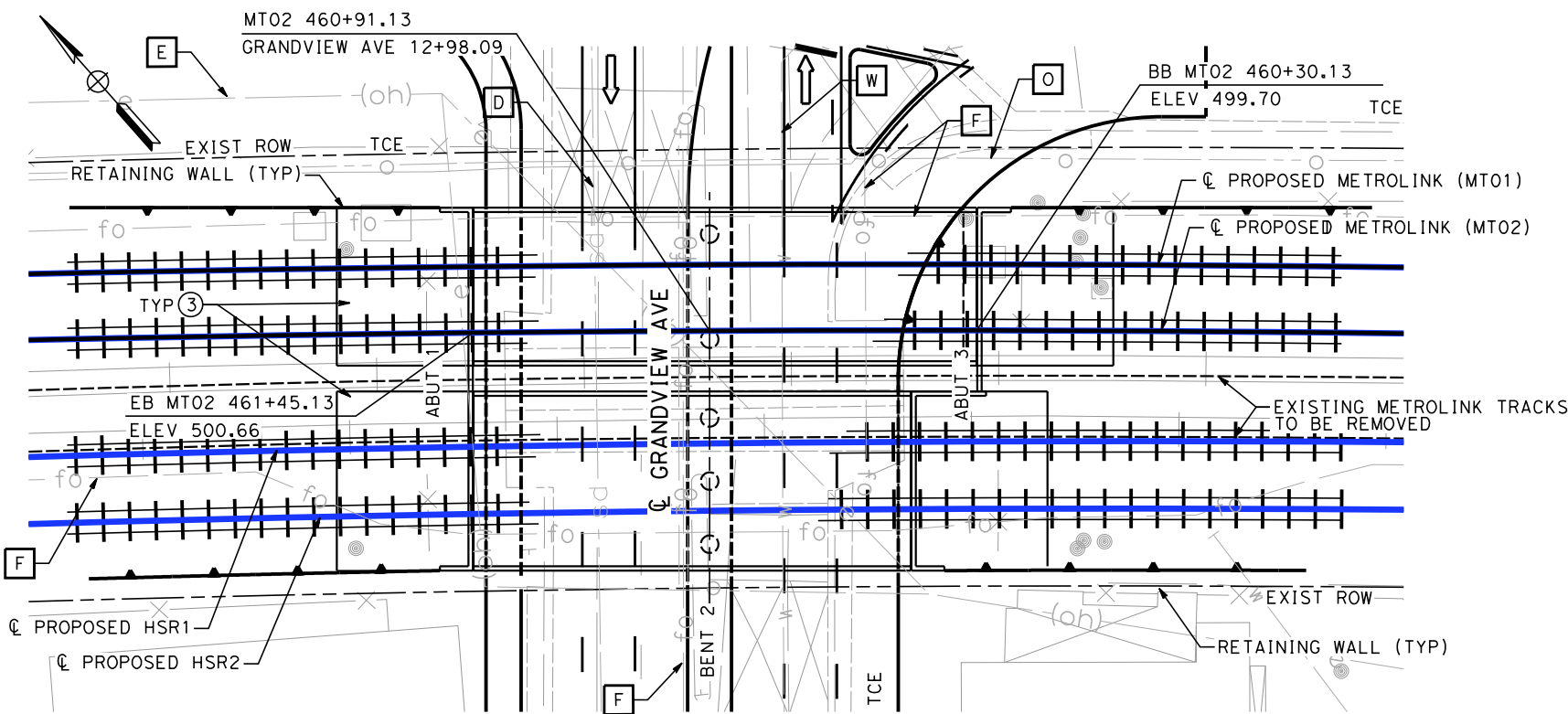




**TOP OF RAIL PROFILE (MT02)**  
NO SCALE



**MIRROR ELEVATION - METROLINK BRIDGE**  
SCALE: 1"=20'



**PLAN**  
SCALE: 1"=20'

**EXISTING UTILITIES**

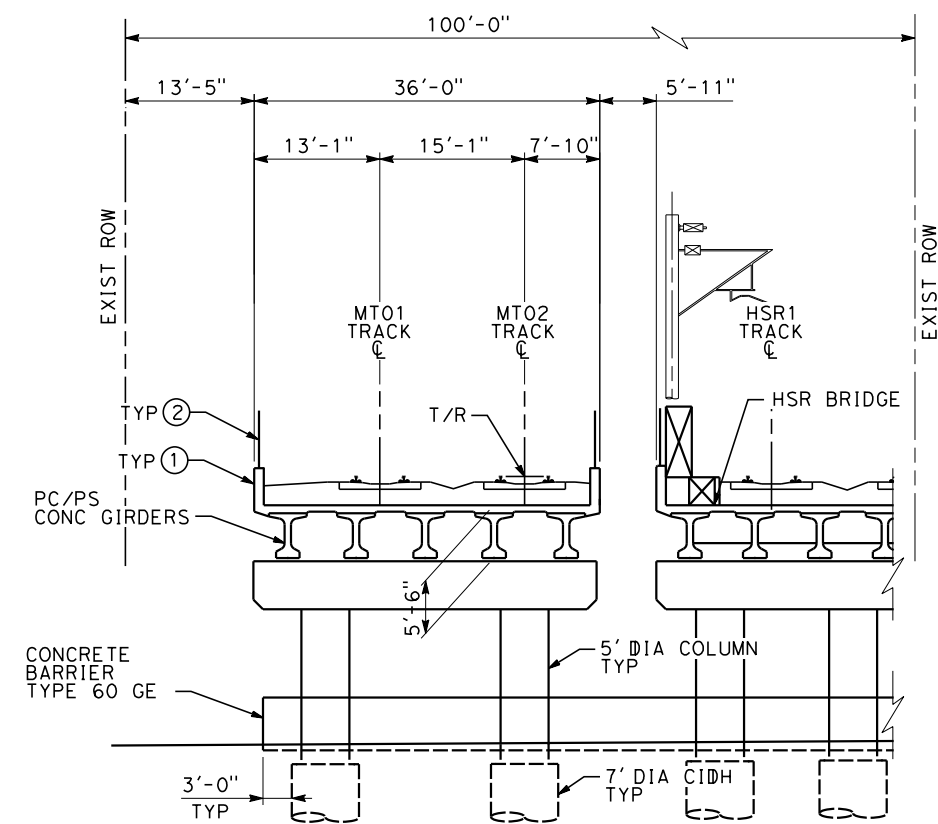
- E** ELECTRIC CABLE (OH)
- F** FIBER OPTIC
- O** OIL
- D** STORM DRAIN
- W** WATER

**NOTES**

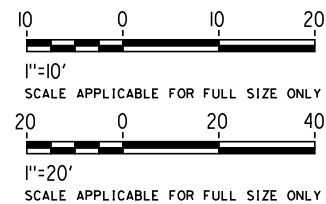
- ① BARRIER
- ② CHAIN LINK RAILING
- ③ STRUCTURE APPROACH SLAB

**LEGEND**

- ➔ INDICATES DIRECTION OF TRAFFIC
- ||||| INDICATES METROLINK AND HST TRACKS



**TYPICAL SECTION - METROLINK**  
SCALE: 1"=10'



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**

DRAWN BY  
**P. ZUCCHI**

CHECKED BY  
**M. PONCE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - GRANDVIEW AVE UNDERPASS  
GENERAL PLAN - SHEET 2 OF 2

CONTRACT NO.  
HSR14-39

DRAWING NO.  
ST-K1082

SCALE  
AS SHOWN

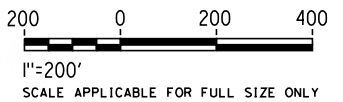
SHEET NO.



4/30/2019 11:25:59 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t0091.dgn



NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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

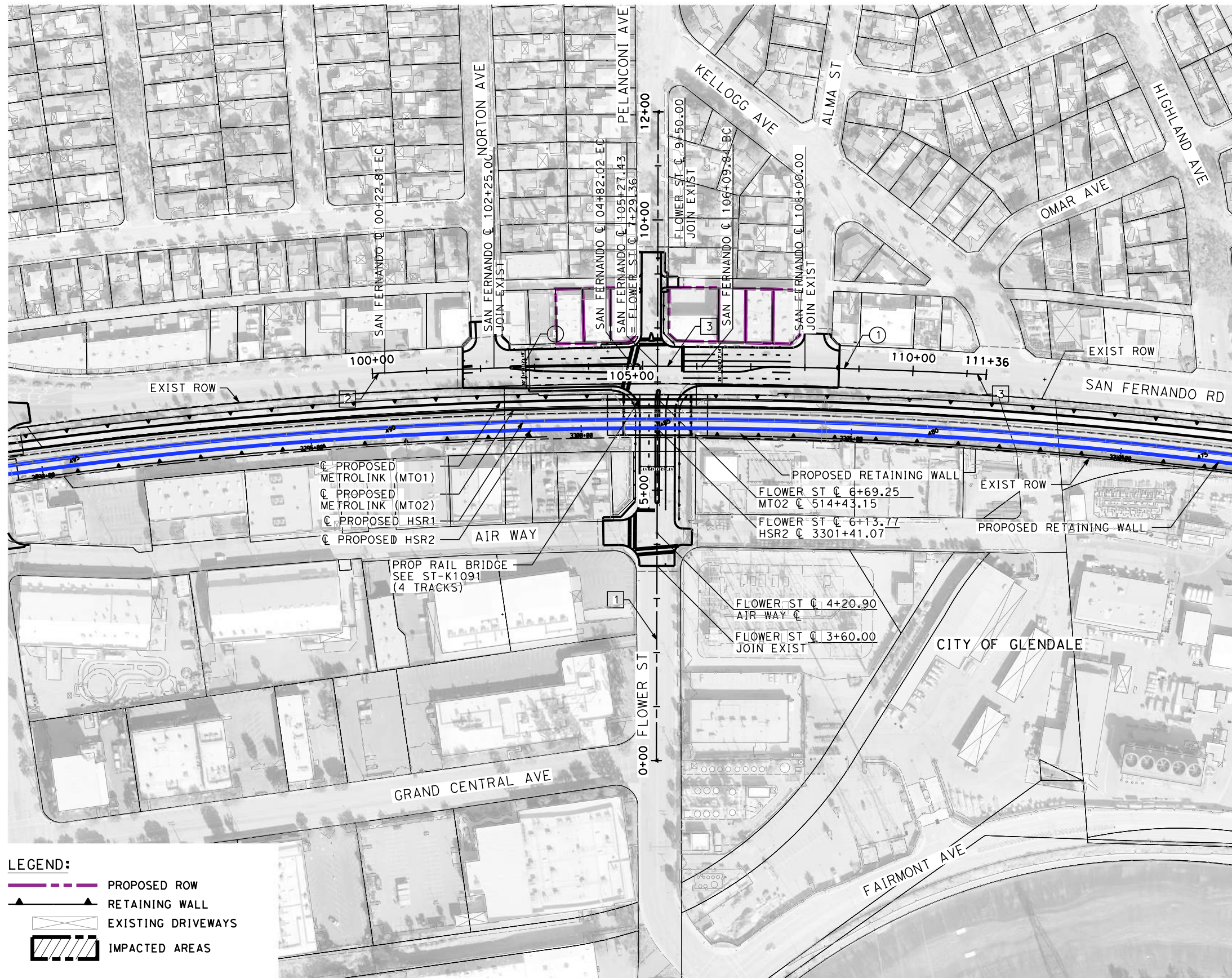


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - FLOWER AVE UNDERPASS  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T0091  
SCALE  
AS SHOWN  
SHEET NO.



4/30/2019 11:27:21 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1091.dgn



- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

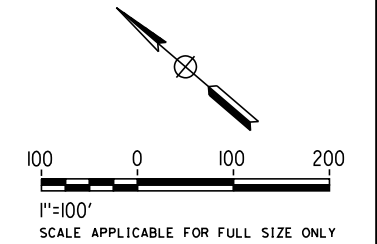
**LINE DATA**

NO	BEARING	DISTANCE
1	N49°32'48"E	1200.00'
2	S43°48'20"E	22.81
3	S40°31'00"E	127.82

**CURVE DATA**

NO	R	Δ	T	L
①	8000.00'	03°17'20"	229.67'	459.21'
②	9540.46'	03°09'31"	263.04'	525.95'

- LEGEND:**
- PROPOSED ROW
  - RETAINING WALL
  - EXISTING DRIVEWAYS
  - IMPACTED AREAS



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - FLOWER ST UNDERPASS  
PLAN

CONTRACT NO.  
HSR14-39

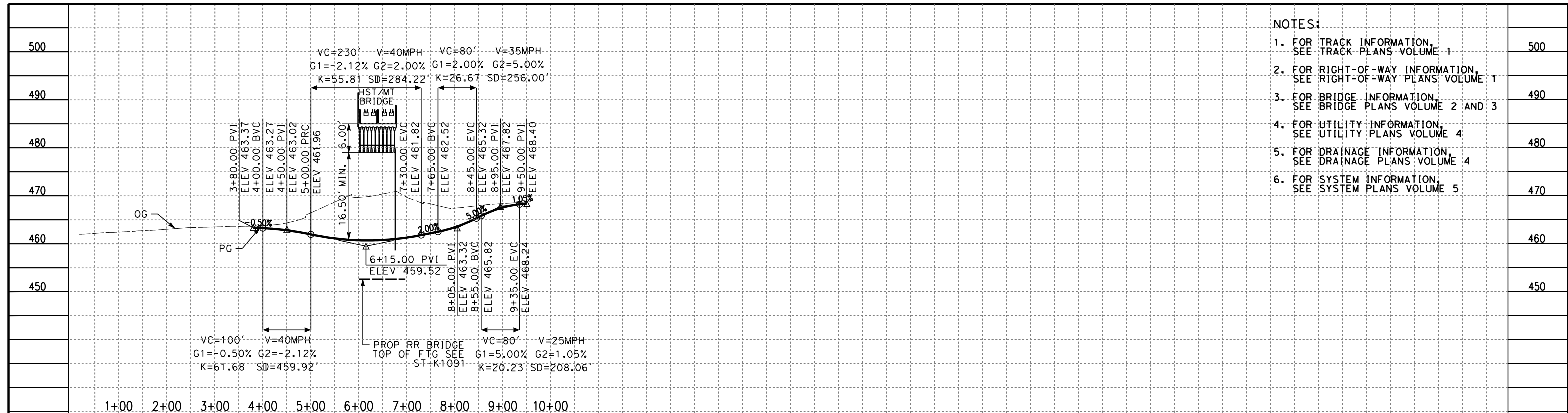
DRAWING NO.  
CV-T1091

SCALE  
AS SHOWN

SHEET NO.

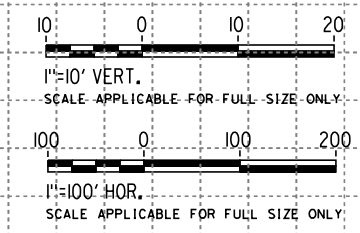
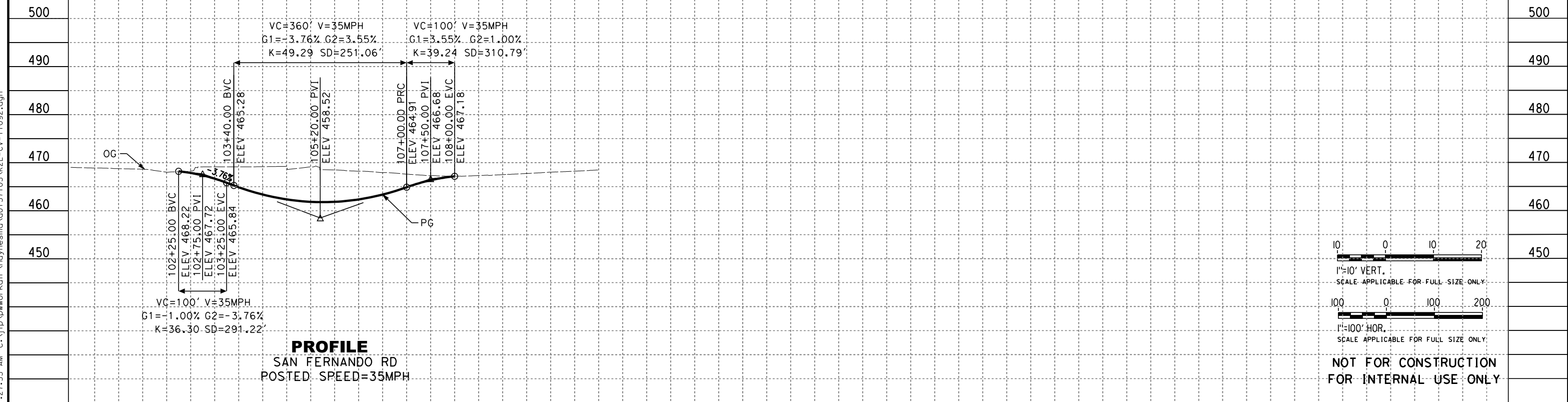


4/30/2019 11:27:53 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1092.dgn



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - FLOWER ST UNDERPASS  
PROFILE

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1092

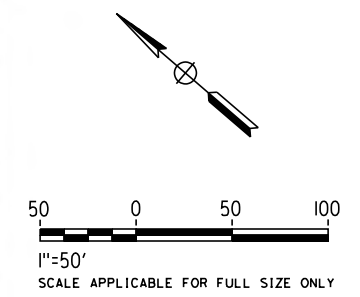
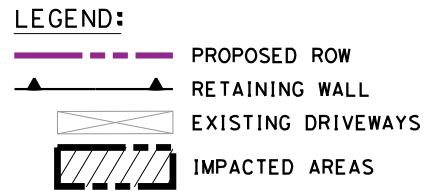
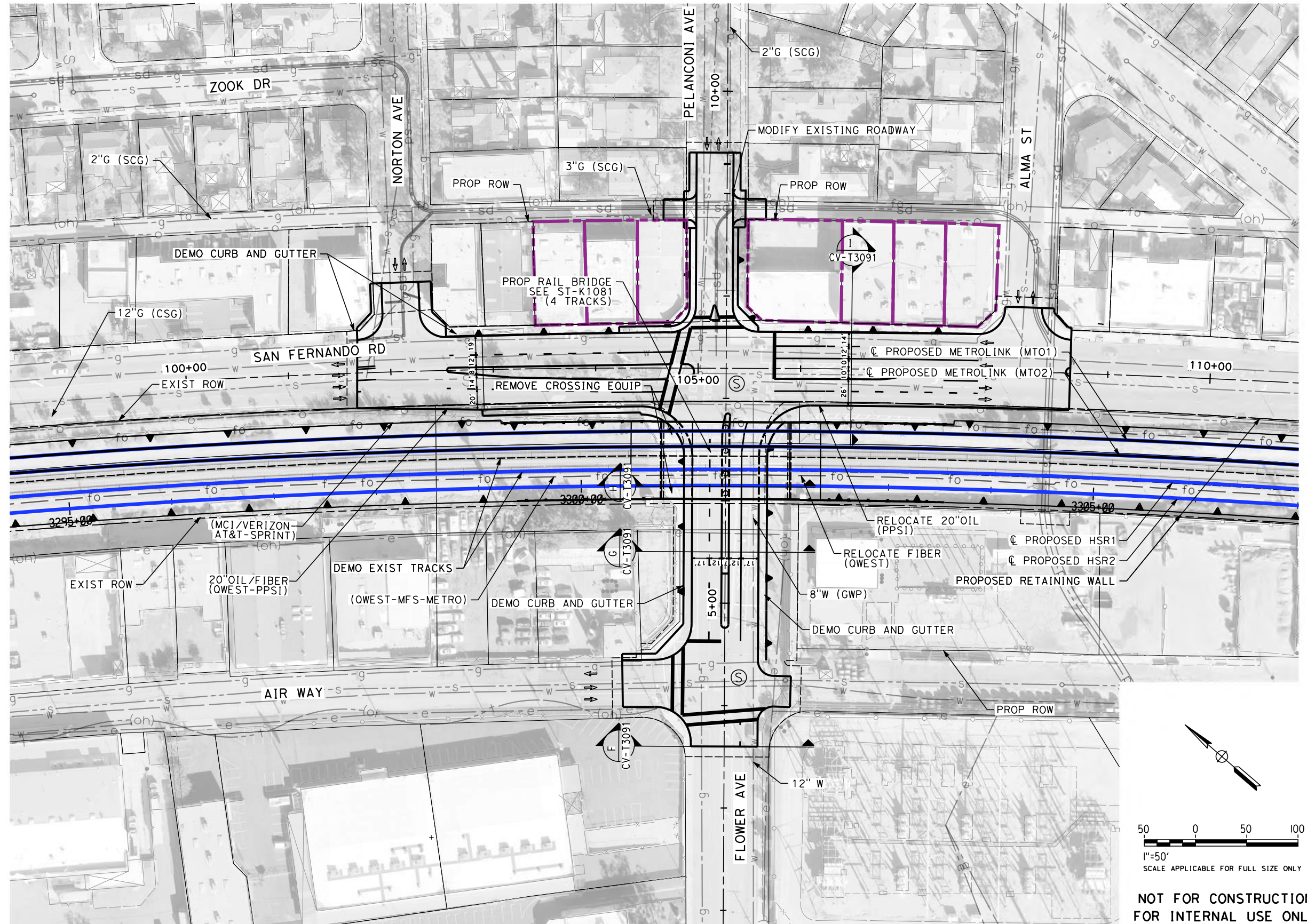
SCALE  
AS SHOWN

SHEET NO.



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



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FOR INTERNAL USE ONLY**

4/30/2019 11:29:05 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t1093.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - FLOWER ST UNDERPASS  
IMPACT PLAN SHEET

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1093

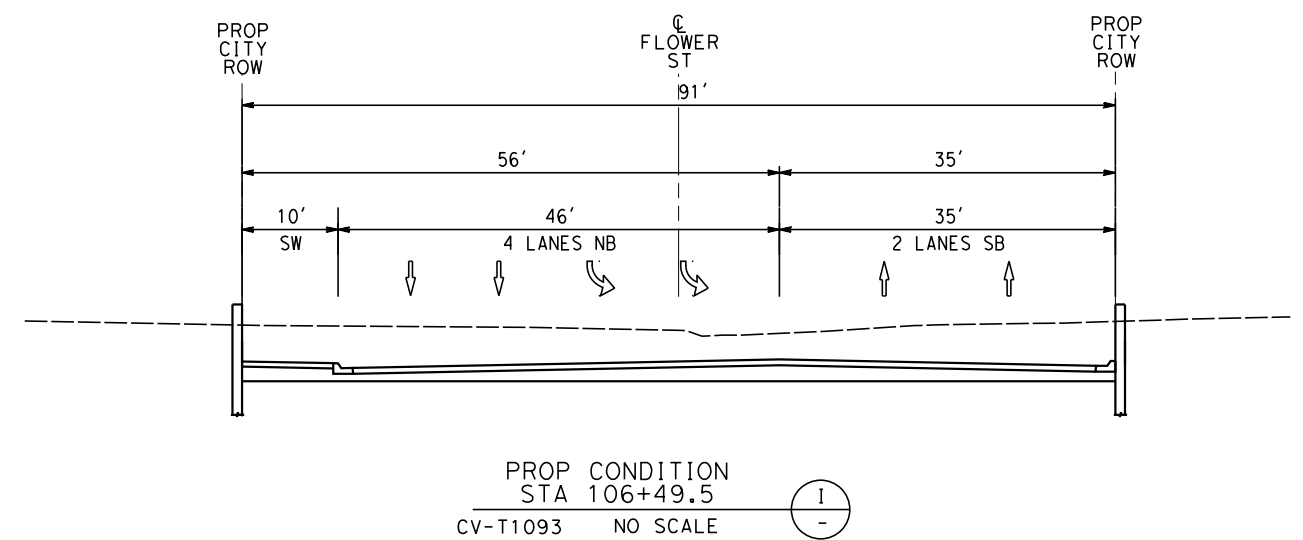
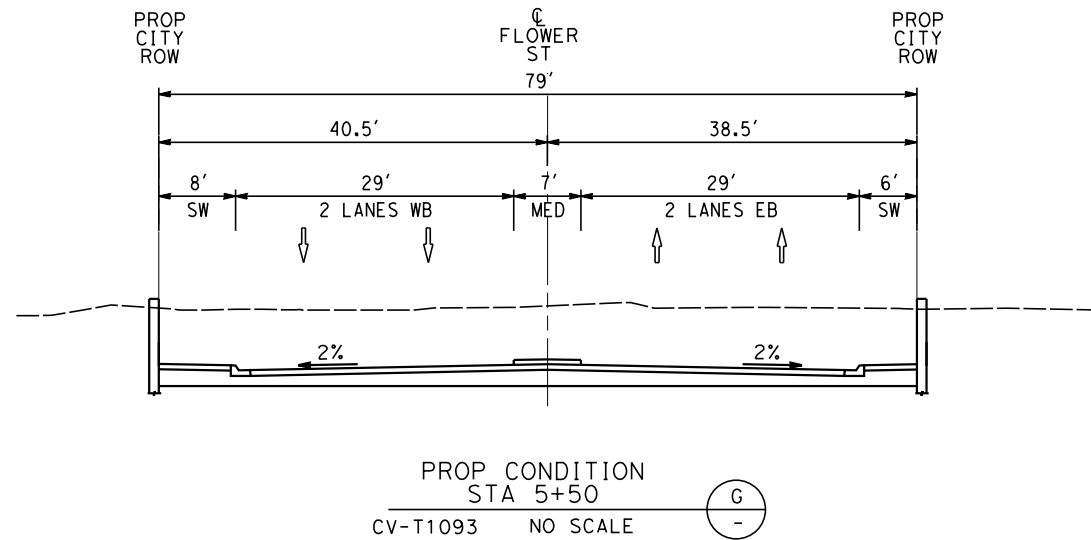
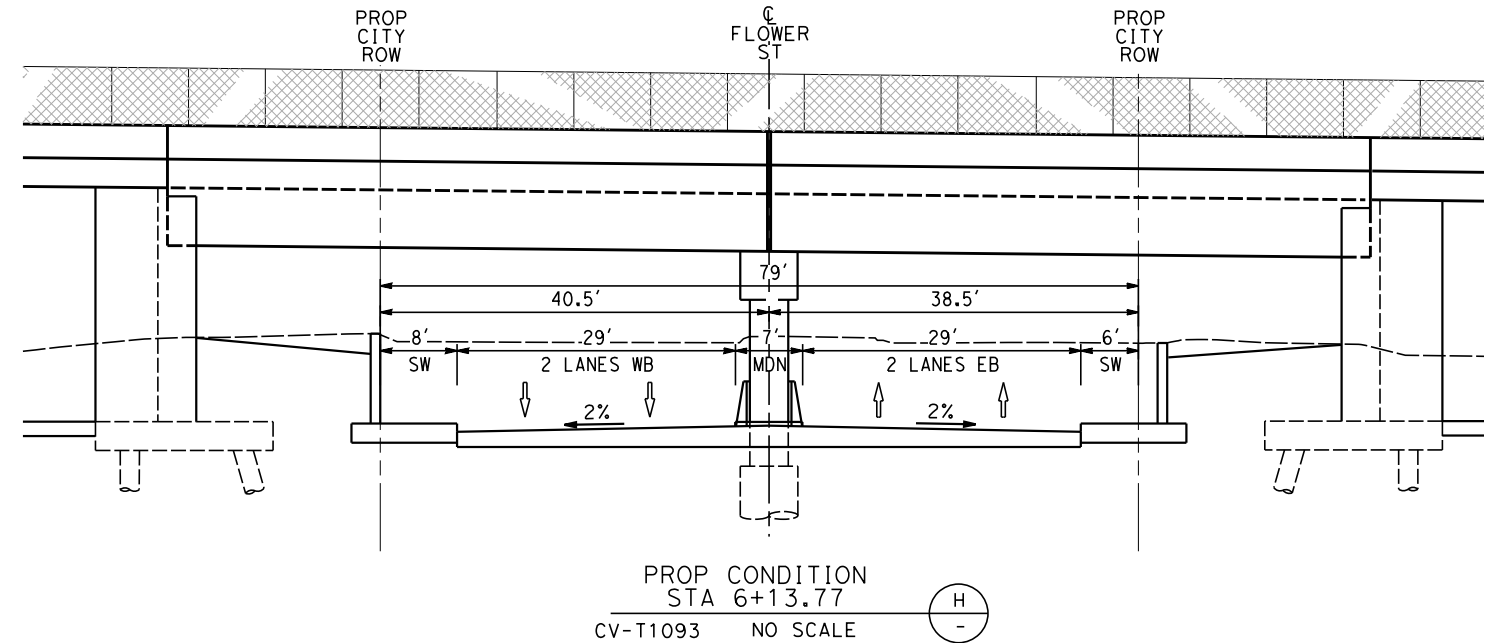
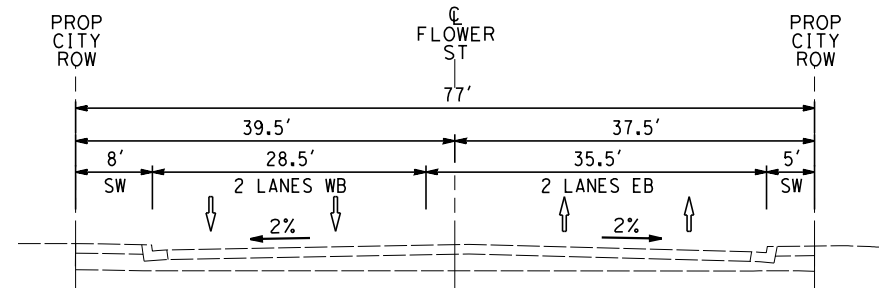
SCALE  
AS SHOWN

SHEET NO.



NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



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4/30/2019 11:29:48 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t3091.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - FLOWER ST UNDERPASS  
CROSS SECTION

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T3091  
SCALE  
AS SHOWN  
SHEET NO.

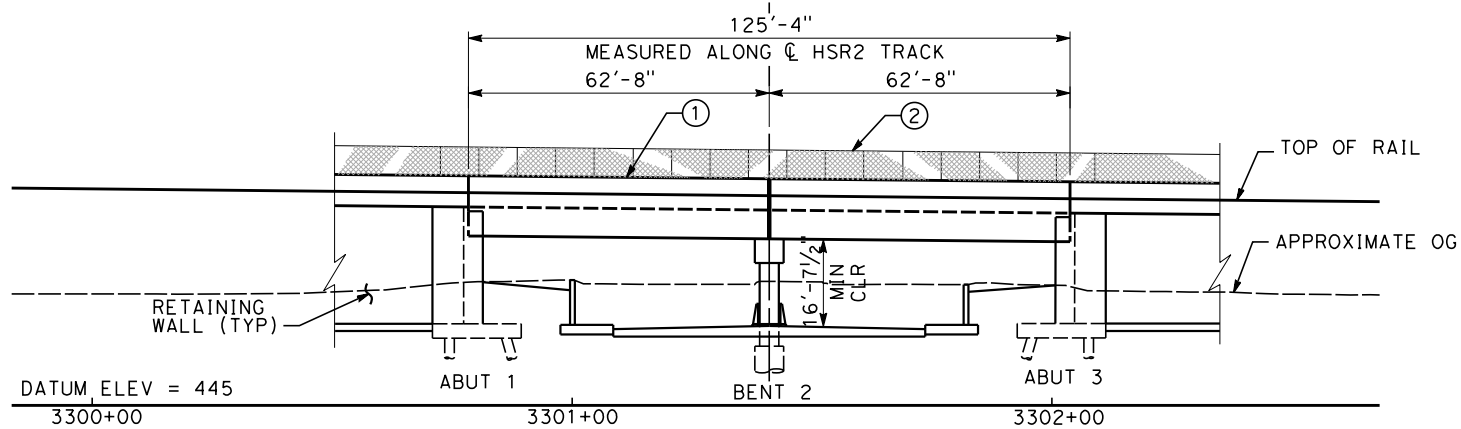




**TOP OF RAIL PROFILE (HSR2)**

NO SCALE

© FLOWER STREET



**ELEVATION**

SCALE: 1"=20'

**EXISTING UTILITIES**

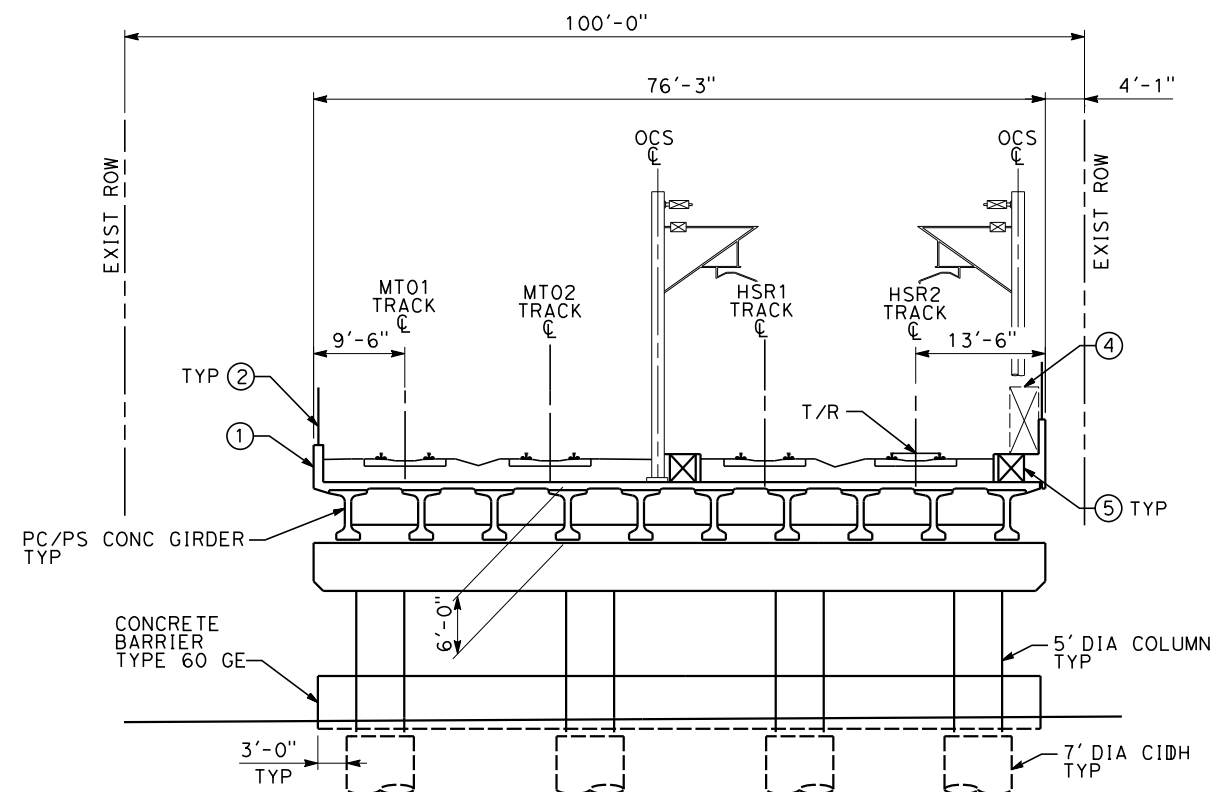
- E** ELECTRIC CABLE (OH)
- F** FIBER OPTIC
- G** GAS
- O** OIL (20" LINE)
- S** SEWER
- W** WATER

**NOTES**

- ① CONCRETE BARRIER
- ② CHAIN LINK RAILING
- ③ STRUCTURE APPROACH SLAB
- ④ WALKWAY (3'-0" WIDE)
- ⑤ CABLE DUCT

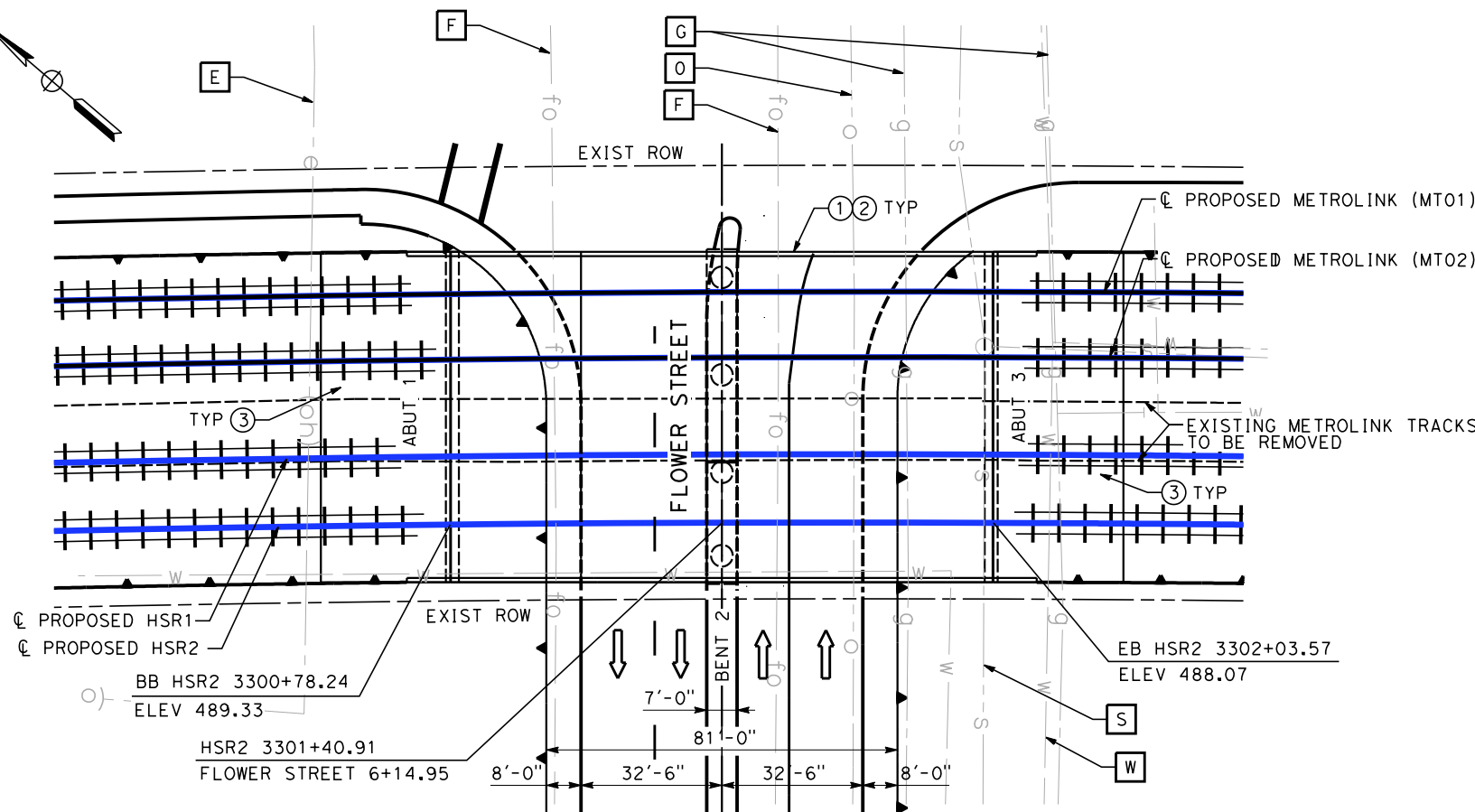
**LEGEND**

- INDICATES DIRECTION OF TRAFFIC
- INDICATES METROLINK AND HST TRACKS



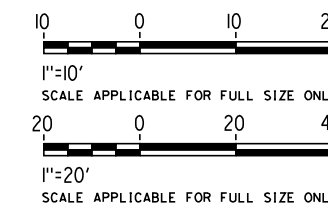
**TYPICAL SECTION**

SCALE: 1"=10'



**PLAN**

SCALE: 1"=20'



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4/30/2019 11:30:08 AM c:\j\p\pwworkdir\haynesma\d0137172\k2l-st-k1091.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HACHIGHI**

DRAWN BY  
**P. ZUCCHI**

CHECKED BY  
**M. PONCE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**

**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - FLOWER STREET UNDERPASS  
GENERAL PLAN - SHEET 1 OF 1

CONTRACT NO.  
HSR14-39

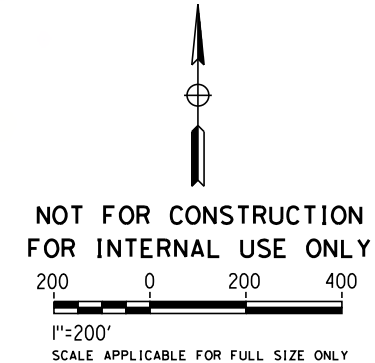
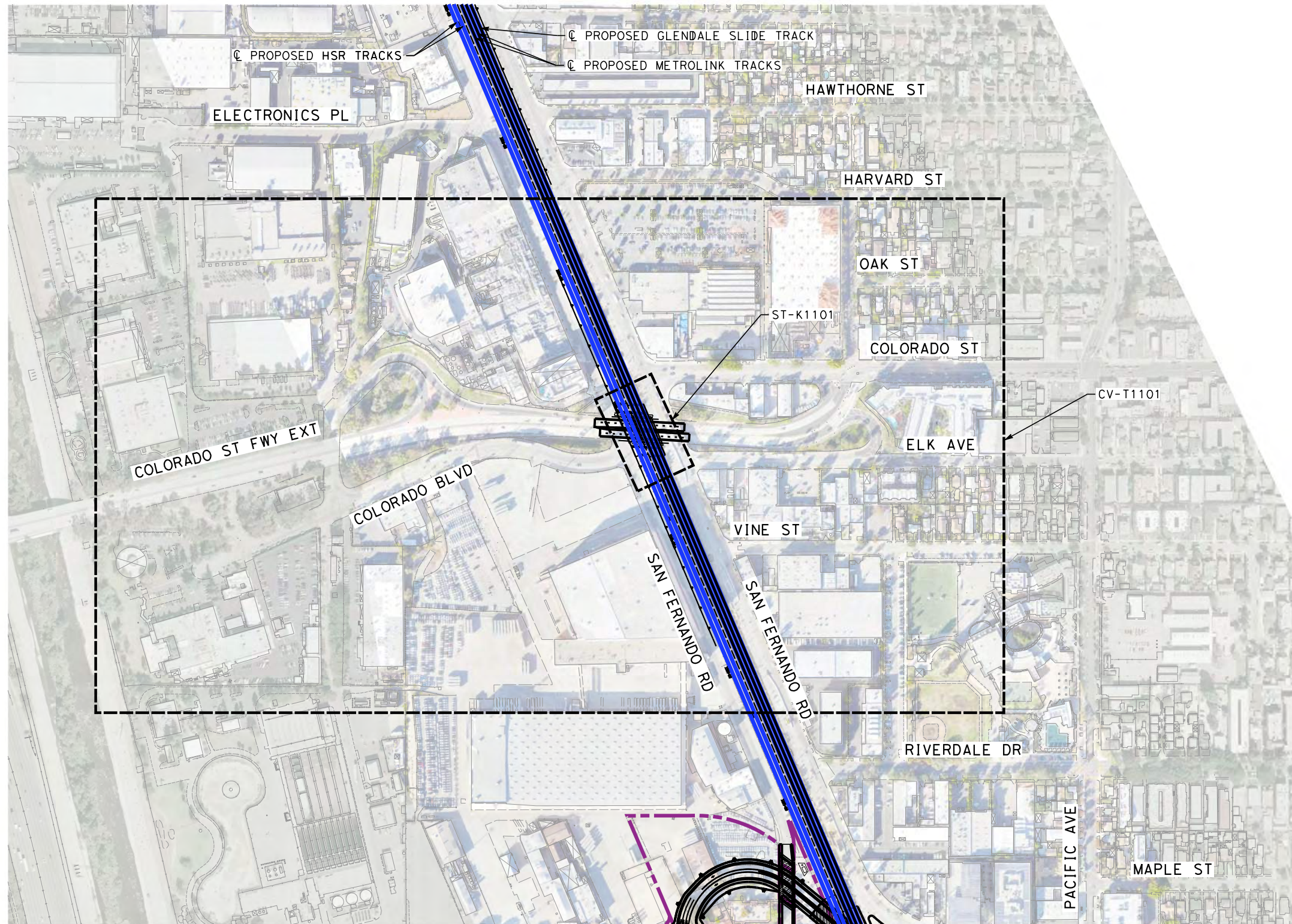
DRAWING NO.  
ST-K1091

SCALE  
AS SHOWN

SHEET NO.



4/30/2019 11:31:05 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t0101.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



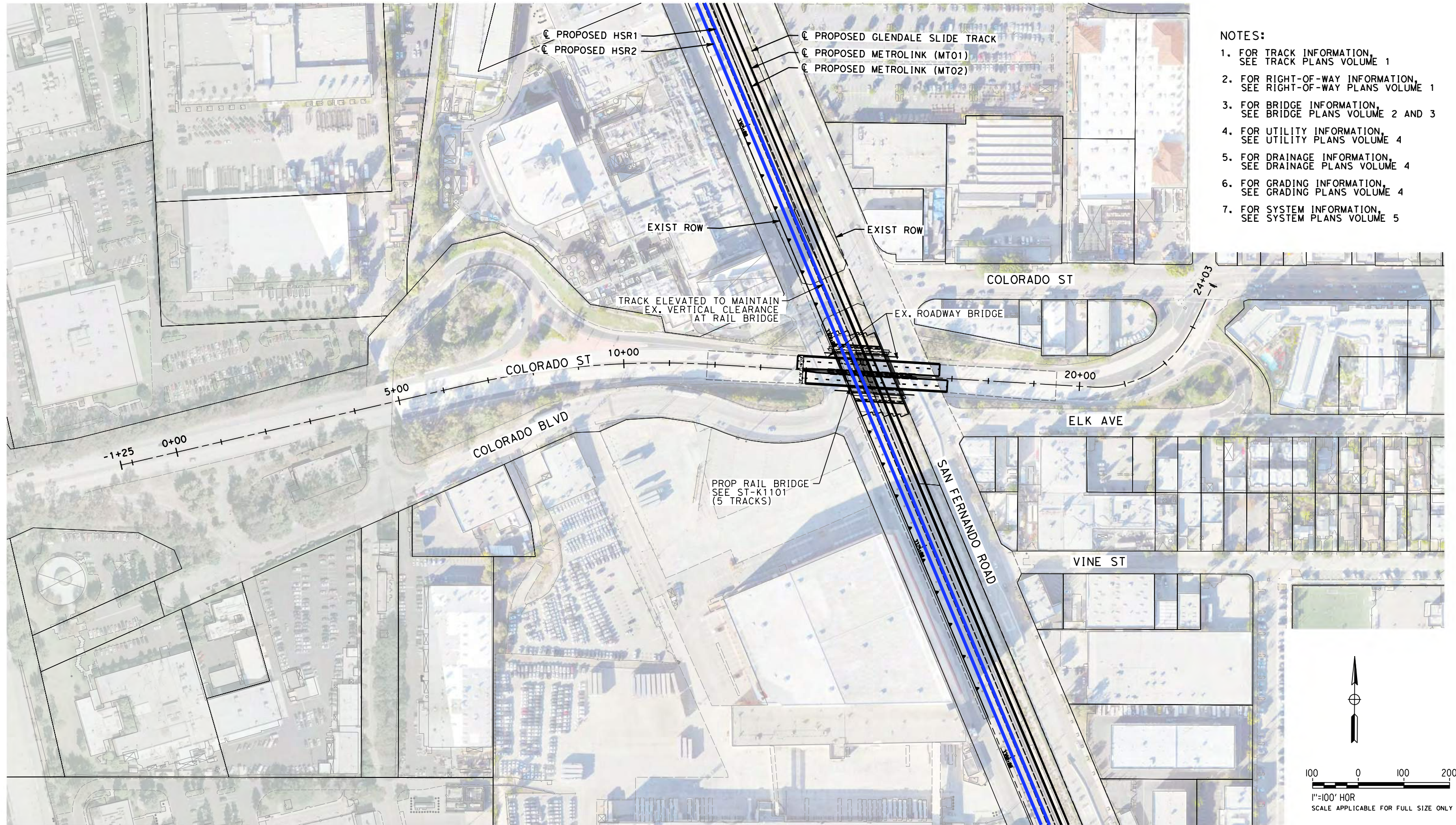
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - COLORADO ST UNDERPASS  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T0101  
SCALE  
AS SHOWN  
SHEET NO.



4/30/2019 11:32:06 AM c:\j\p\work\dir\haynesma\d0137103\k2L\CV-T1101.dgn



- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - COLORADO ST UNDERPASS  
PLAN

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1101

SCALE  
AS SHOWN

SHEET NO.



4/30/2019 11:32:25 AM c:\j\p\workdir\haynesma\d0137103\k2L-CV-T1102.dgn

480

480

**NOTES:**

- 1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
- 2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
- 3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
- 4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
- 5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
- 6. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

470

470

460

460

450

450

440

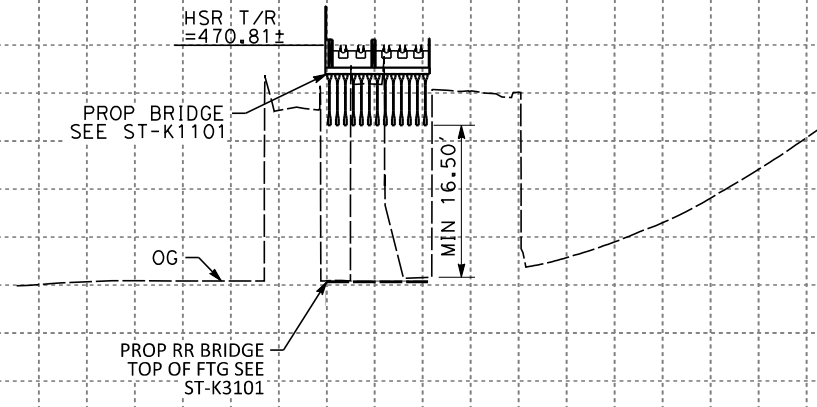
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430

430

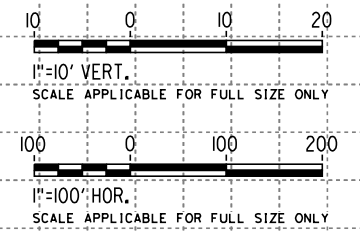
420

420



13+00 14+00 15+00 16+00 17+00 18+00 19+00

**PROFILE**  
COLORADO ST UNDERPASS



**NOT FOR CONSTRUCTION**  
**FOR INTERNAL USE ONLY**

STATION					TOTAL
CY	Exc				
	Emb				

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - COLORADO ST UNDERPASS  
PROFILE

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1102

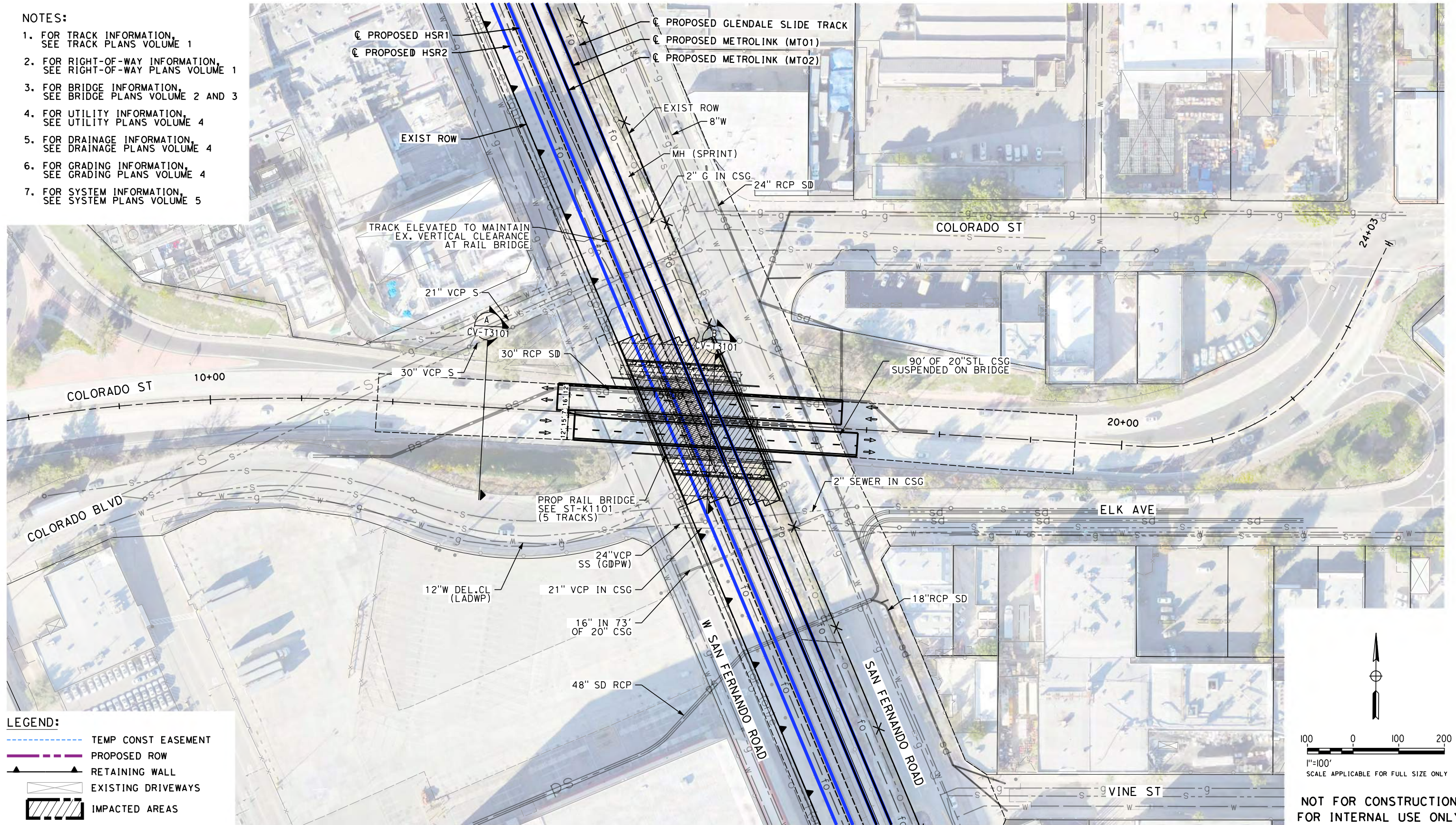
SCALE  
AS SHOWN

SHEET NO.

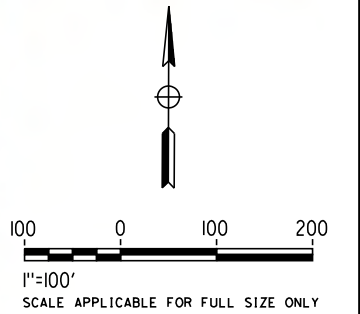


**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



- LEGEND:**
- TEMP CONST EASEMENT
  - PROPOSED ROW
  - RETAINING WALL
  - EXISTING DRIVEWAYS
  - IMPACTED AREAS



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FOR INTERNAL USE ONLY**

4/30/2019 11:33:31 AM c:\jip\pwworkdir\haynesma\d0137103\k2L-CV-T1103.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

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**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - COLORADO ST UNDERPASS  
IMPACT PLAN

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1103

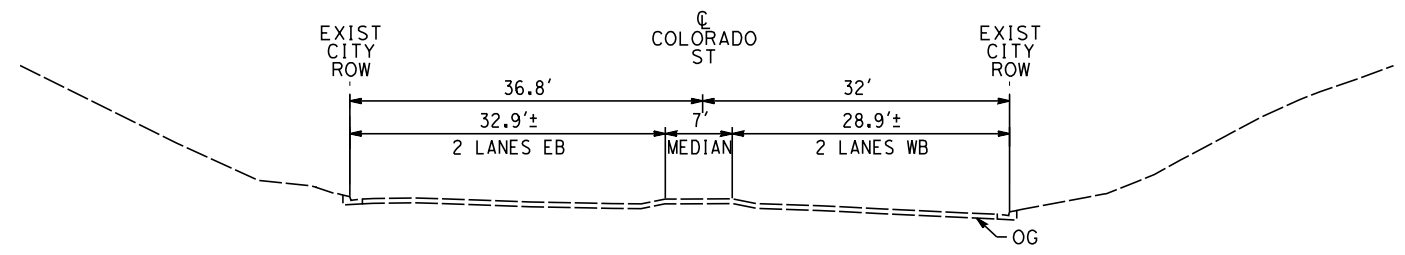
SCALE  
AS SHOWN

SHEET NO.

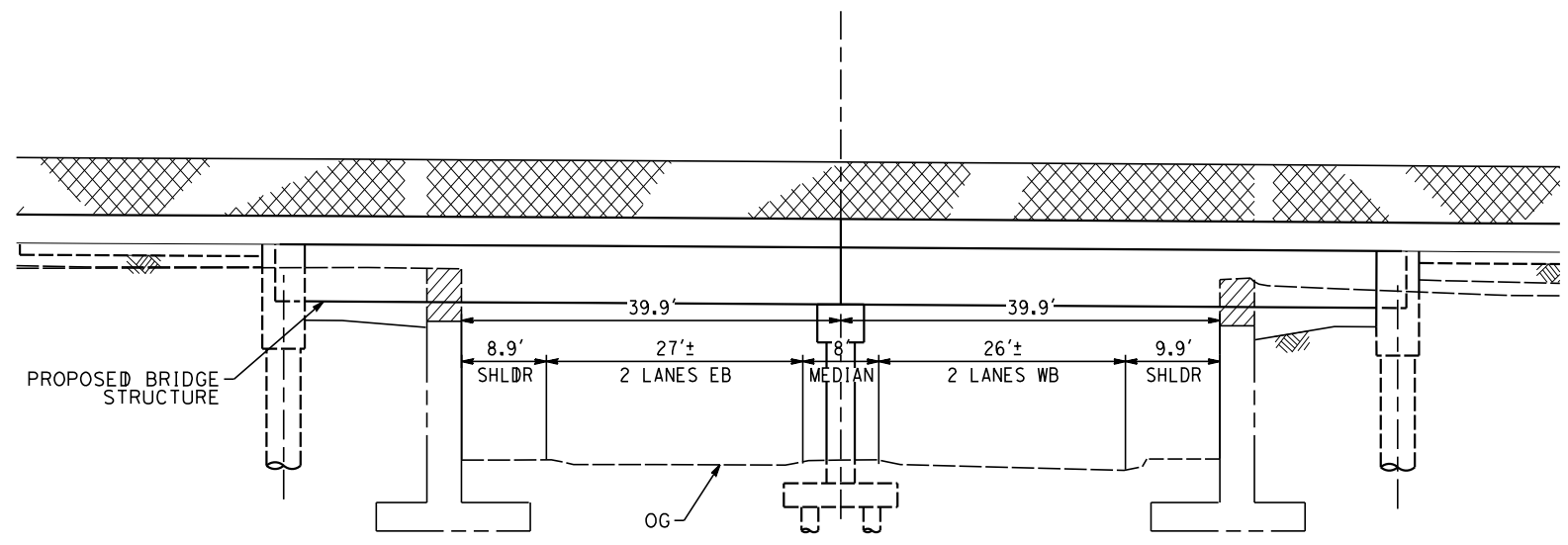


NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



EXIST CONDITION  
STA 13+00  
CV-T1103 NO SCALE



PROP CONDITION  
STA 15+50  
CV-T1103 NO SCALE

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4/30/2019 11:33:47 AM c:\jip\pwworkdir\haynesma\d0137103\k2l\cv-t3101.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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

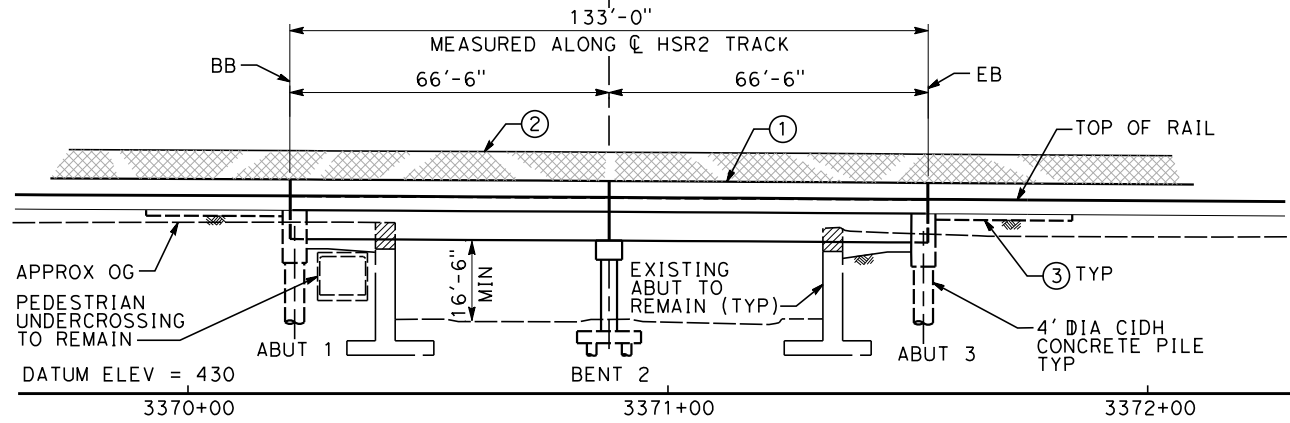
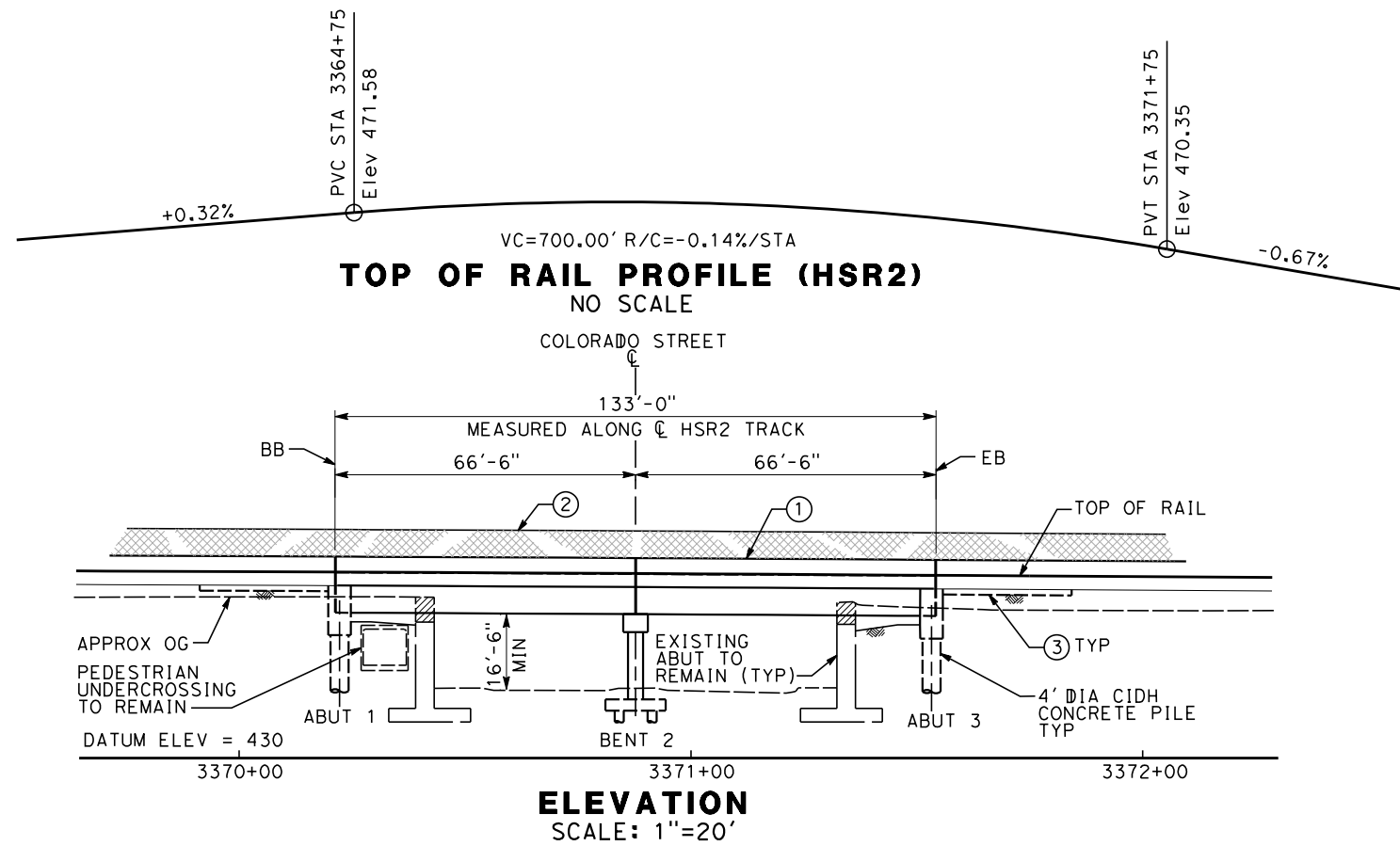


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION HYBRID - COLORADO ST UNDERPASS  
CROSS SECTION

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T3101  
SCALE  
AS SHOWN  
SHEET NO.



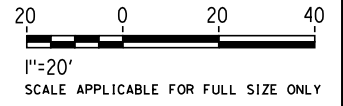
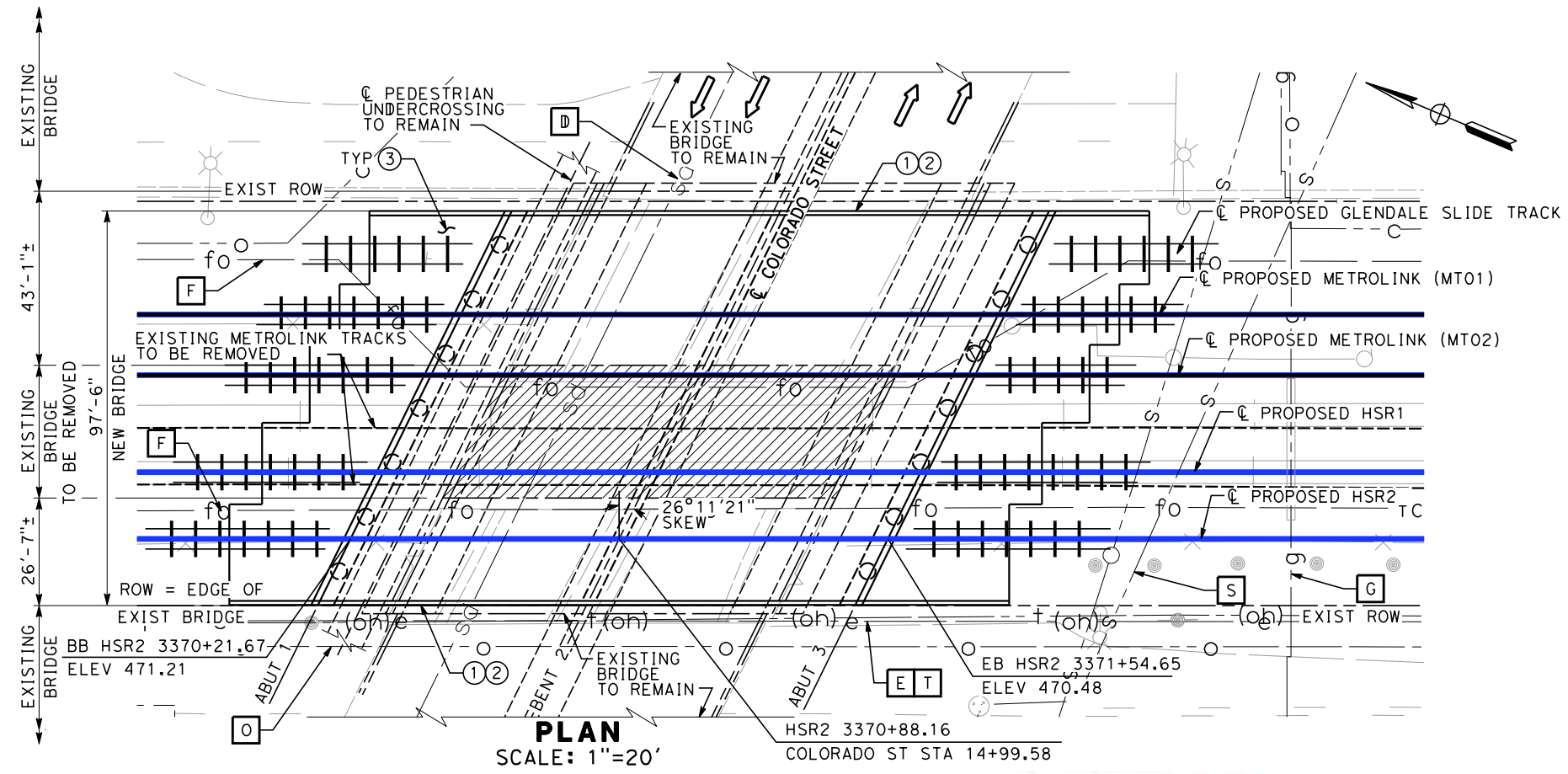
4/30/2019 11:34:06 AM c:\jip\pwworkdir\haynesma\d0137172\k2l\st-k1101.dgn



- EXISTING UTILITIES**
- E ELECTRIC CABLE (OH)
  - F FIBER OPTIC
  - G GAS
  - O OIL
  - S SEWER
  - D STORM DRAIN
  - T TELEPHONE (OH)

- NOTES**
- ① BARRIER
  - ② CHAIN LINK RAILING
  - ③ STRUCTURE APPROACH SLAB

- LEGEND**
- INDICATES DIRECTION OF TRAFFIC
  - INDICATES METROLINK AND HST TRACKS
  - INDICATES LIMITS OF EXISTING BRIDGE REMOVAL



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**

DRAWN BY  
**P. ZUCCHI**

CHECKED BY  
**M. PONCE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - COLORADO ST UNDERPASS  
GENERAL PLAN - SHEET 1 OF 2

CONTRACT NO.  
HSR14-39

DRAWING NO.  
ST-K1101

SCALE  
AS SHOWN

SHEET NO.



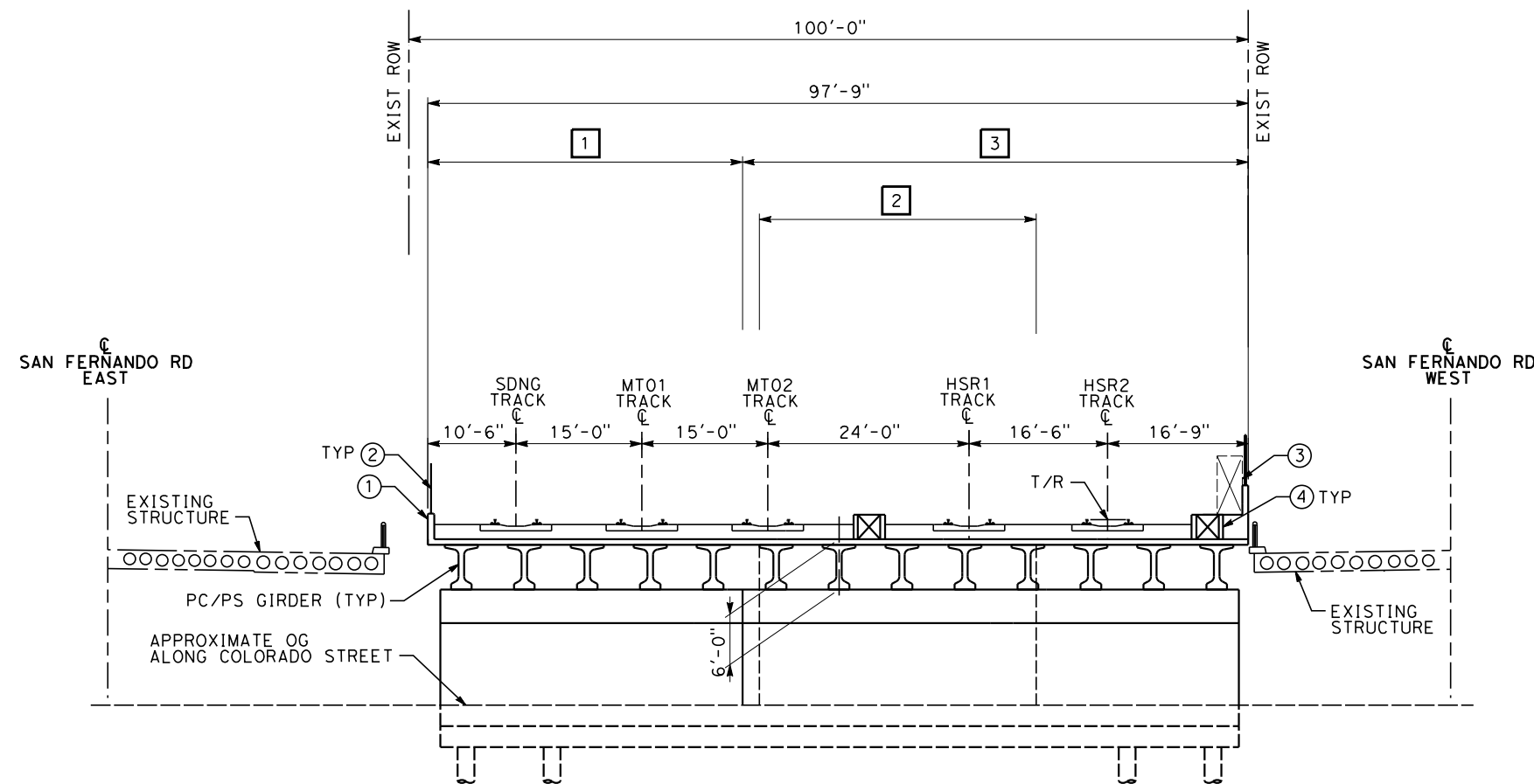
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**NOTES**

- ① BARRIER
- ② CHAIN LINK RAILING
- ③ WALKWAY (3'-0" WIDE)
- ④ CABLE DUCT

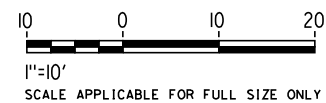
**CONSTRUCTION STAGING NOTES:**

- ① CONSTRUCT 36'-0" EAST SEGMENT OF THE NEW BRIDGE FOR METROLINK TRAFFIC OPERATION USING SIDING TRACK TEMPORARILY.
- ② REMOVE EXISTING BRIDGE.
- ③ COMPLETE BRIDGE CONSTRUCTION FOR HIGH SPEED TRAIN AND METROLINK TRAFFIC OPERATIONS.



**TYPICAL SECTION - BENT 2**  
SCALE: 1"=10'

NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**

DRAWN BY  
**P. ZUCCHI**

CHECKED BY  
**M. PONCE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - COLORADO ST UNDERPASS  
GENERAL PLAN - SHEET 2 OF 2

CONTRACT NO.  
HSR14-39

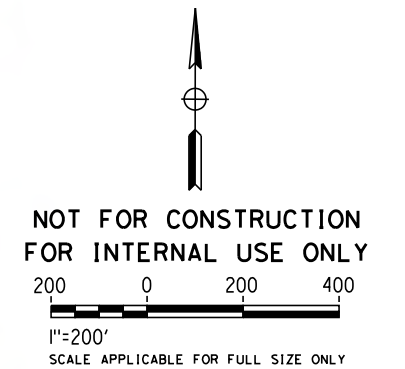
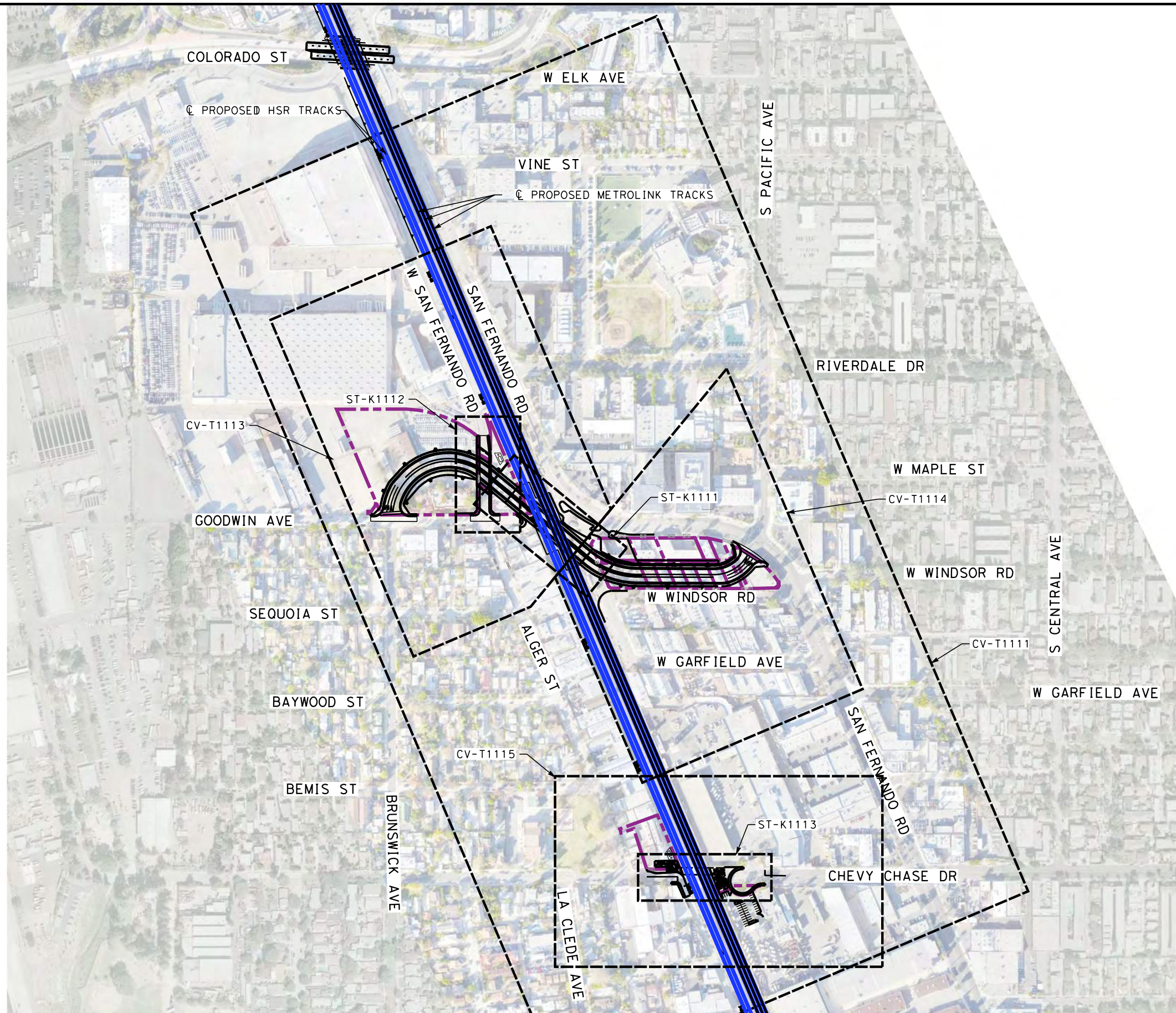
DRAWING NO.  
ST-K3101

SCALE  
AS SHOWN

SHEET NO.



4/30/2019 11:35:05 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L\CV-T0111.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**C. LEE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - GOODWIN AVE/CHEVY CHASE DR  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T0111

SCALE  
AS SHOWN

SHEET NO.



**NOTES:**

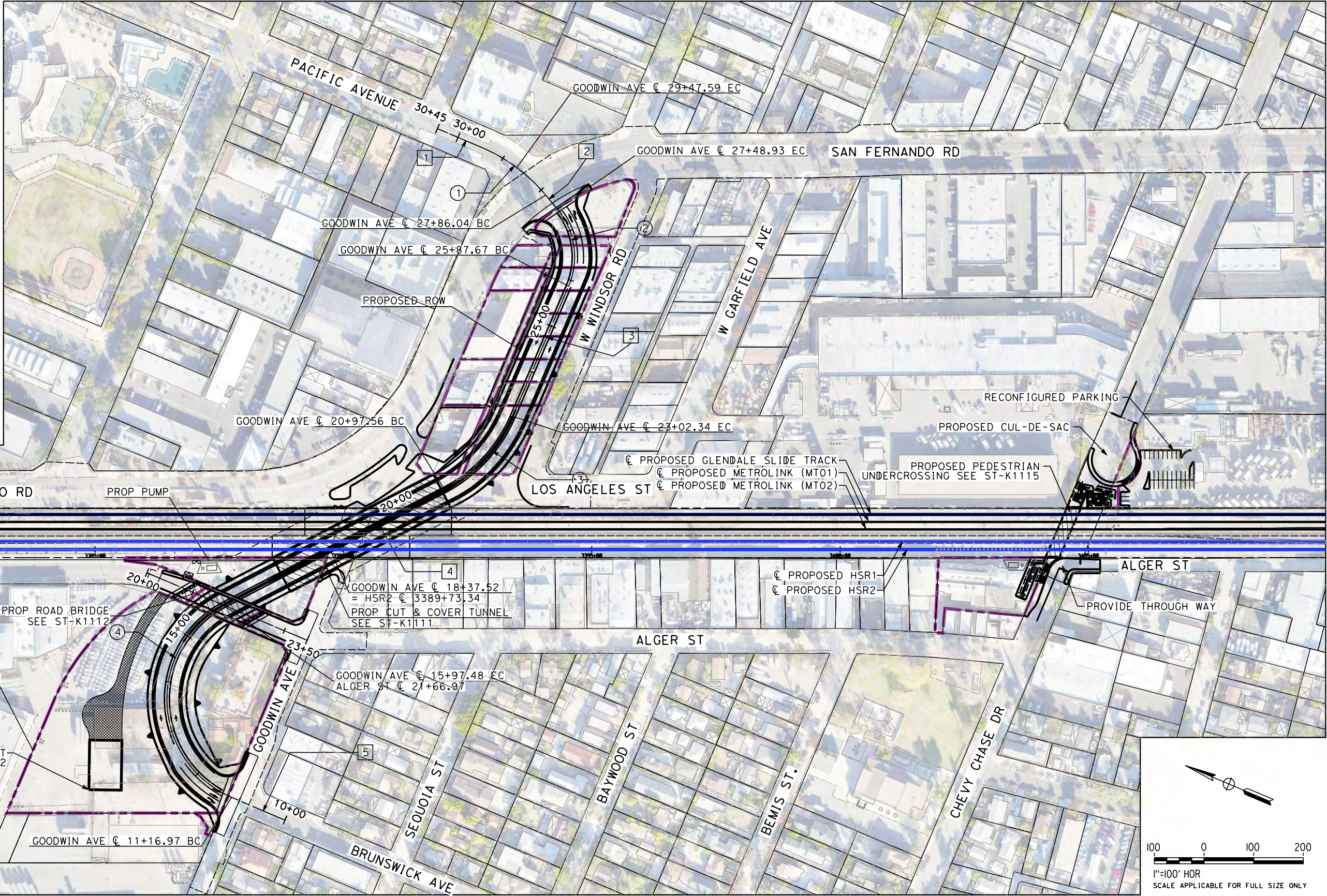
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

**LINE DATA**

NO	BEARING	DISTANCE
1	N0°03'34"E	97.27
2	N27°22'56"E	37.11
3	S89°49'13"E	285.33
4	S50°31'31"E	500.08
5	N0°14'19"E	116.97

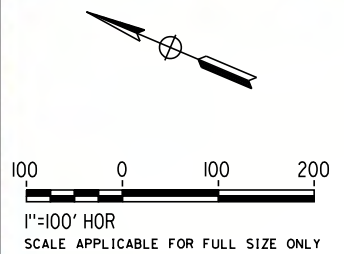
**CURVE DATA**

NO	R	Δ	T	L
①	340.00'	27°19'23"	82.64'	162.14'
②	150.00'	62°47'51"	91.56'	164.40'
③	300.00'	39°17'43"	107.11'	205.75'
④	215.00'	129°14'10"	453.16'	484.95'



**LEGEND:**

- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS



5/2/2019 10:01:11 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1111.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**C. LEE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**

**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - GOODWIN AVE/CHEVY CHASE DR  
PLAN

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1111

SCALE  
AS SHOWN

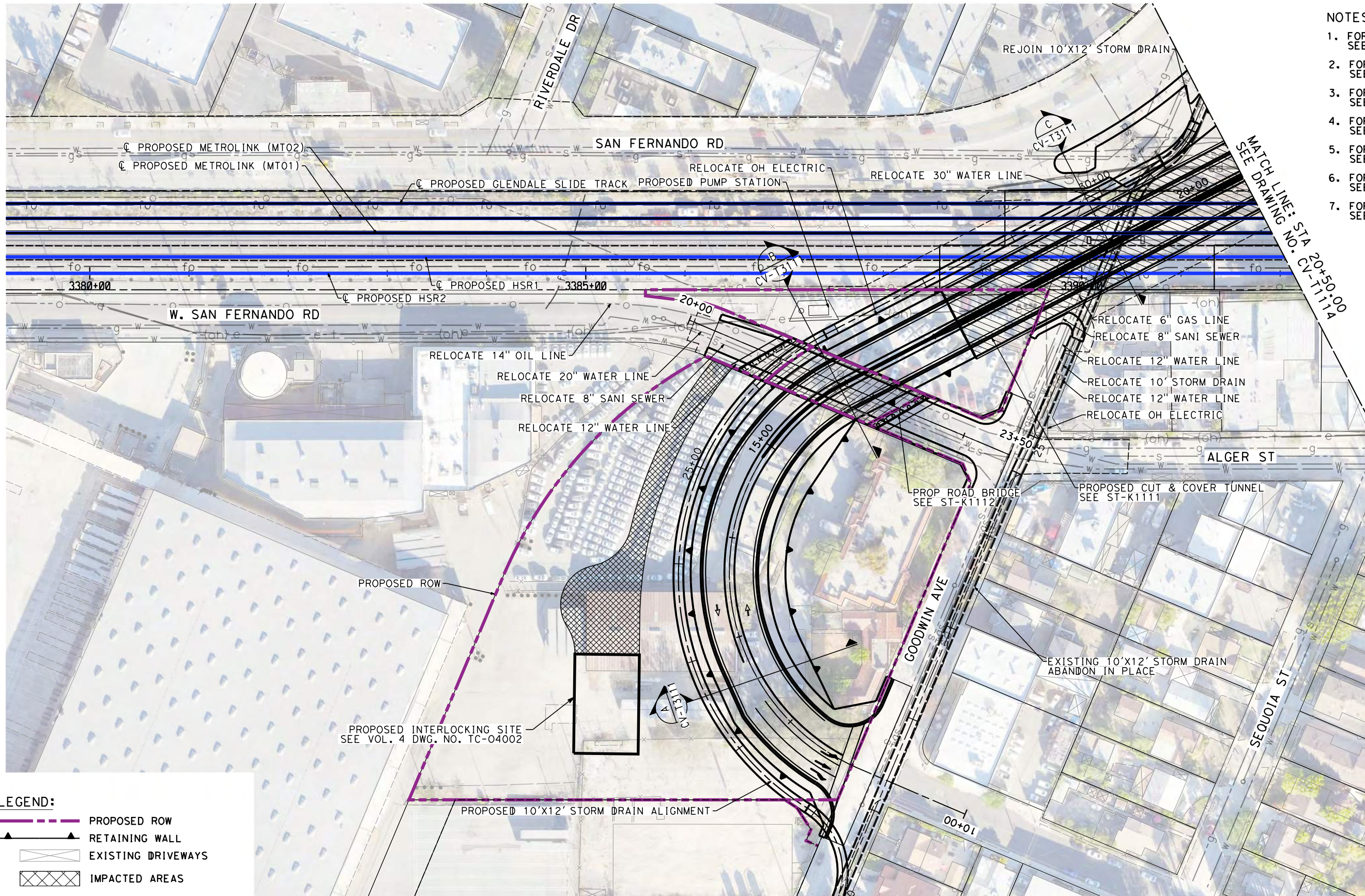
SHEET NO.







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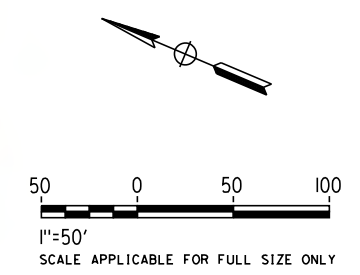


- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

MATCH LINE: STA 20+50.00  
SEE DRAWING NO. CV-T1114

**LEGEND:**

	PROPOSED ROW
	RETAINING WALL
	EXISTING DRIVEWAYS
	IMPACTED AREAS
	PROPOSED STRUCTURE



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

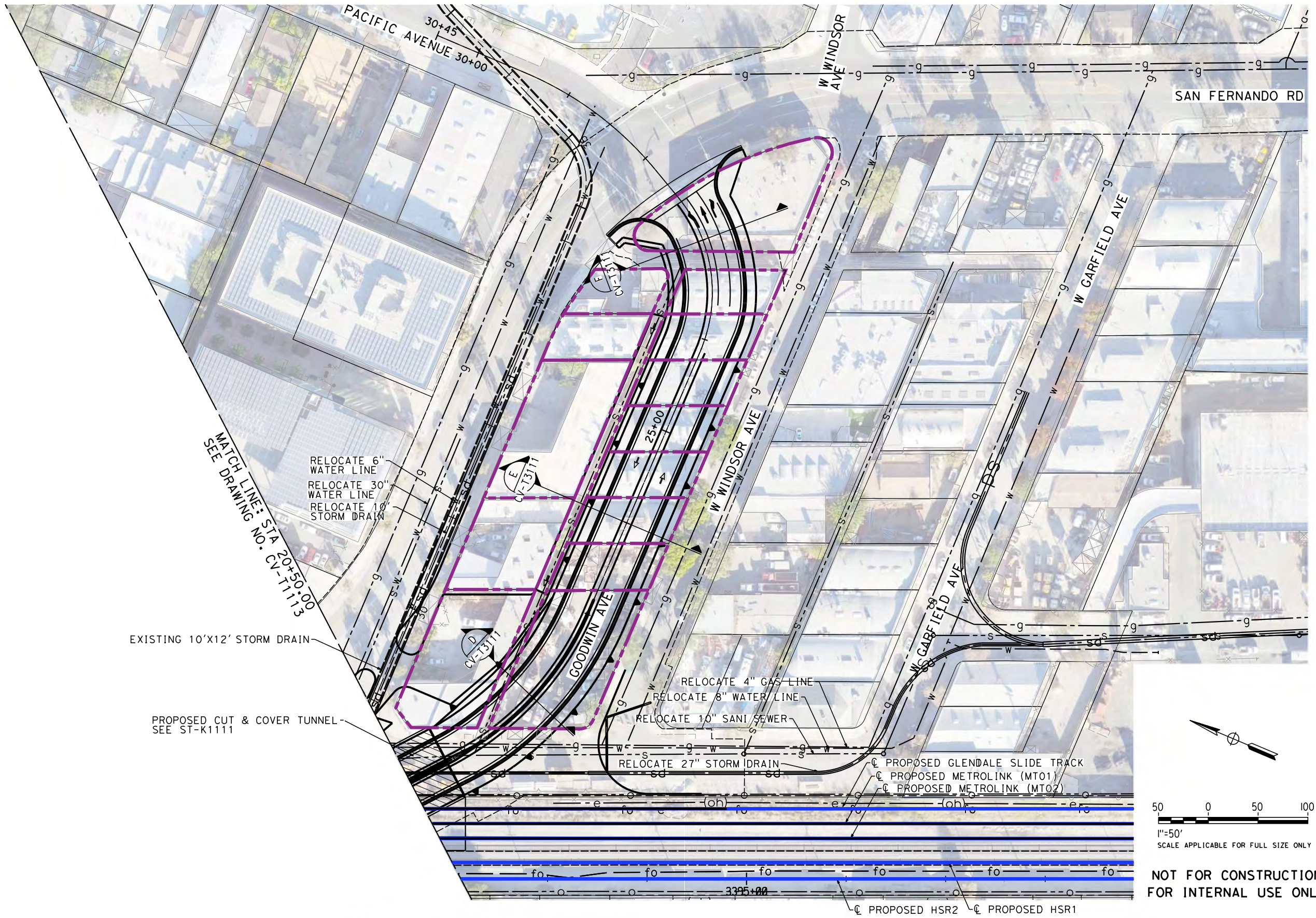
PEPD  
GRADE SEPARATION - GOODWIN AVE UNDERPASS  
IMPACT PLAN SHEET 1 OF 2

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1113  
SCALE  
AS SHOWN  
SHEET NO.



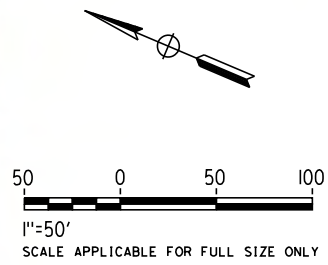
5/2/2019 10:03:01 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1114.dgn

HaynesMA



- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

- LEGEND:**
- PROPOSED ROW
  - RETAINING WALL
  - EXISTING DRIVEWAYS
  - IMPACTED AREAS
  - PROPOSED STRUCTURE



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**R. YU**

DRAWN BY  
**E. BANEZ**

CHECKED BY  
**C. LEE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION GOODWIN AVE UNDERPASS  
IMPACT PLAN 2 OF 2

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1114

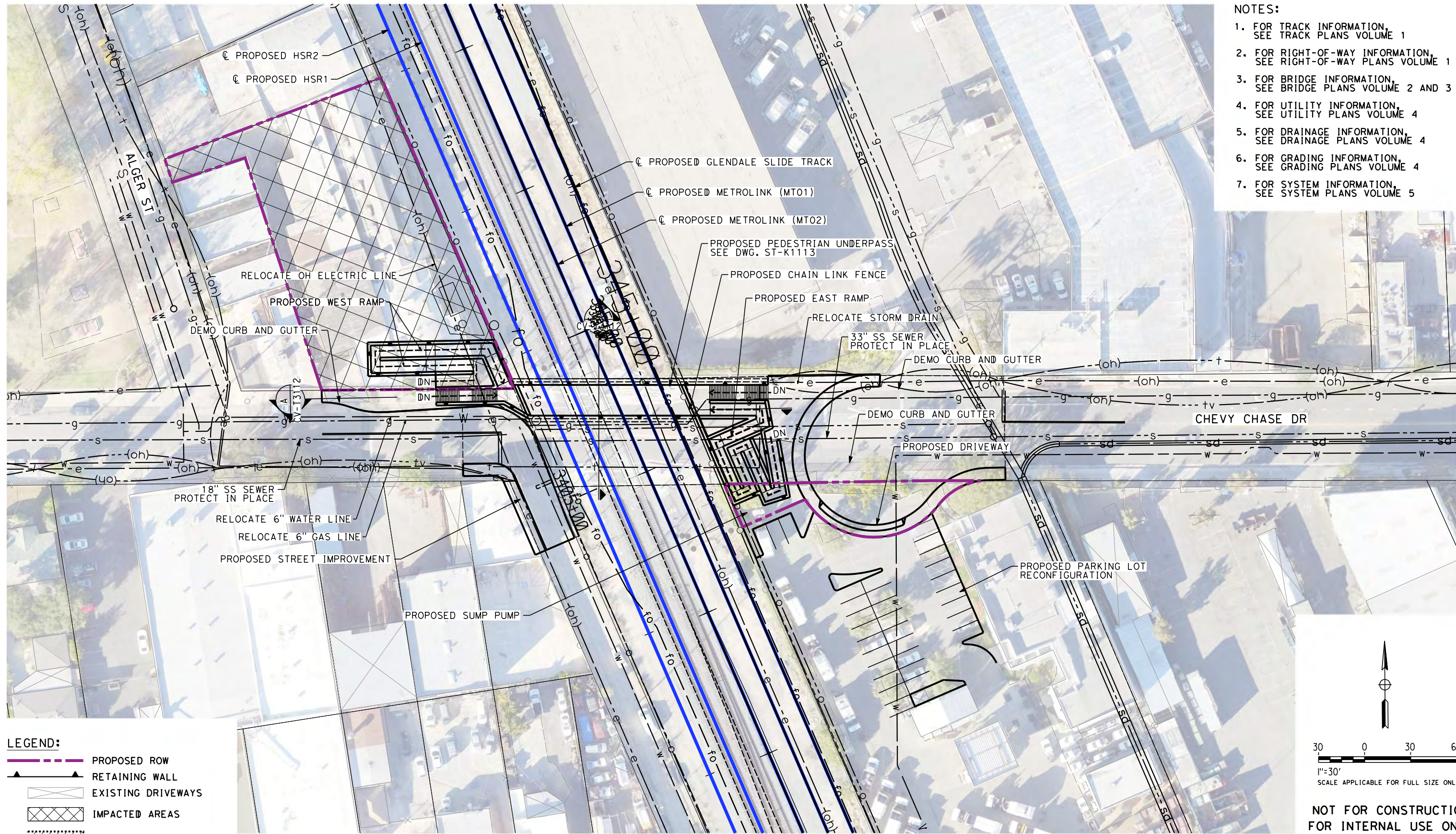
SCALE  
AS SHOWN

SHEET NO.



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**LEGEND:**

- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS
- PROPOSED STRUCTURE

**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

5/2/2019 10:03:55 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1115.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**E. BANEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - CHEVY CHASE DR PED CROSSING  
IMPACT PLAN 1 OF 1

CONTRACT NO.  
HSR14-39

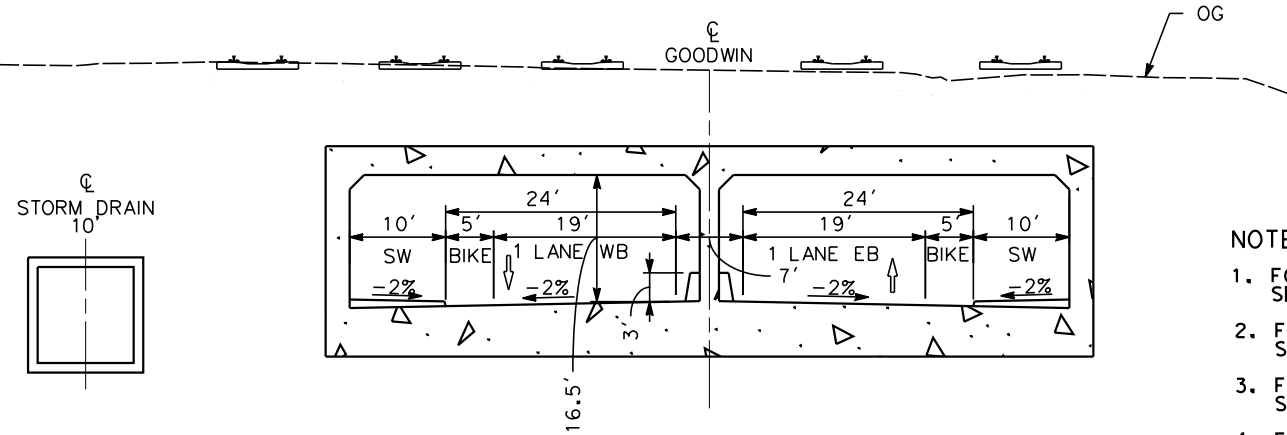
DRAWING NO.  
CV-T1115

SCALE  
AS SHOWN

SHEET NO.

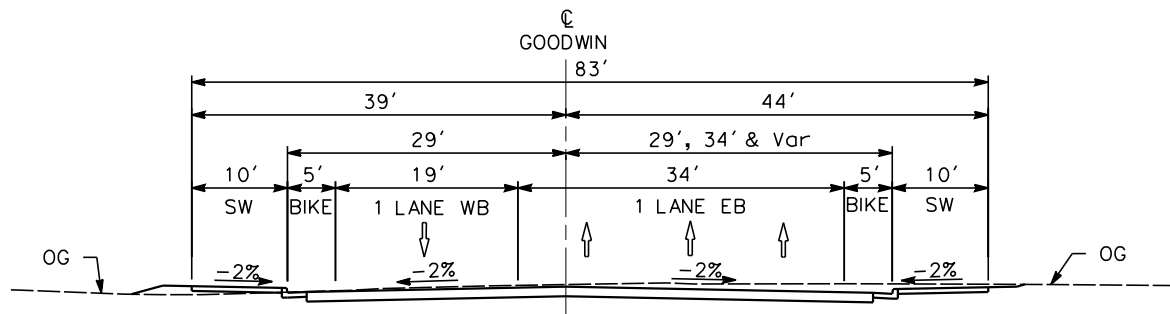


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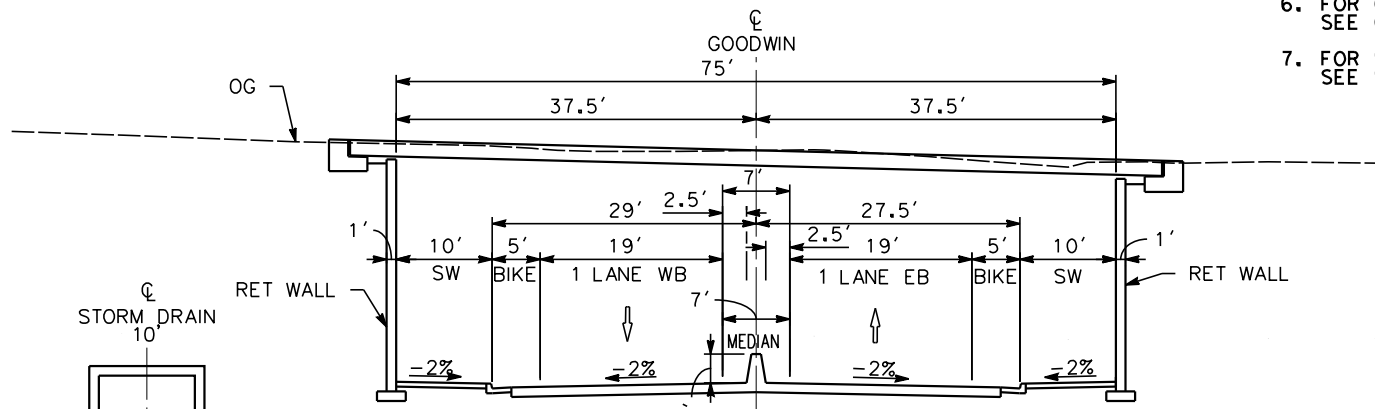


PROP CONDITION  
STA 19+00  
CV-T1113 NO SCALE (C)

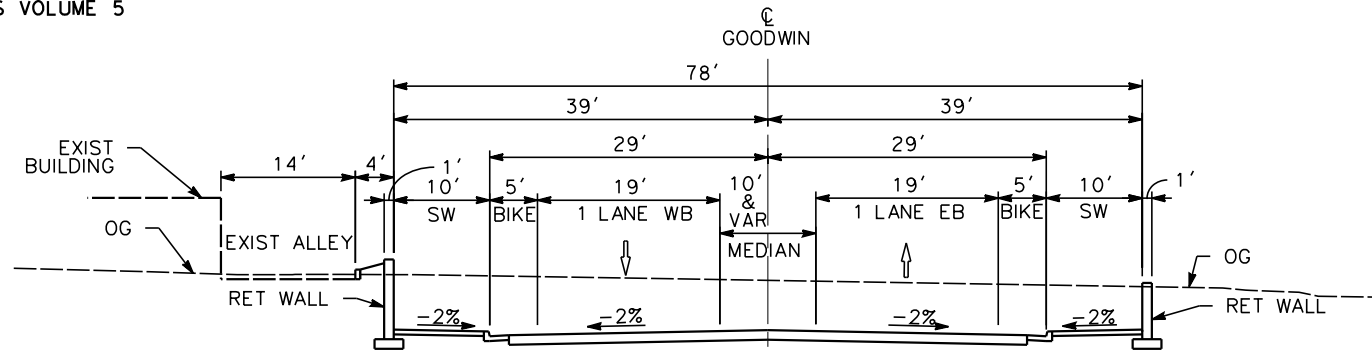
- NOTES:
- FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  - FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  - FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  - FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  - FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  - FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  - FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



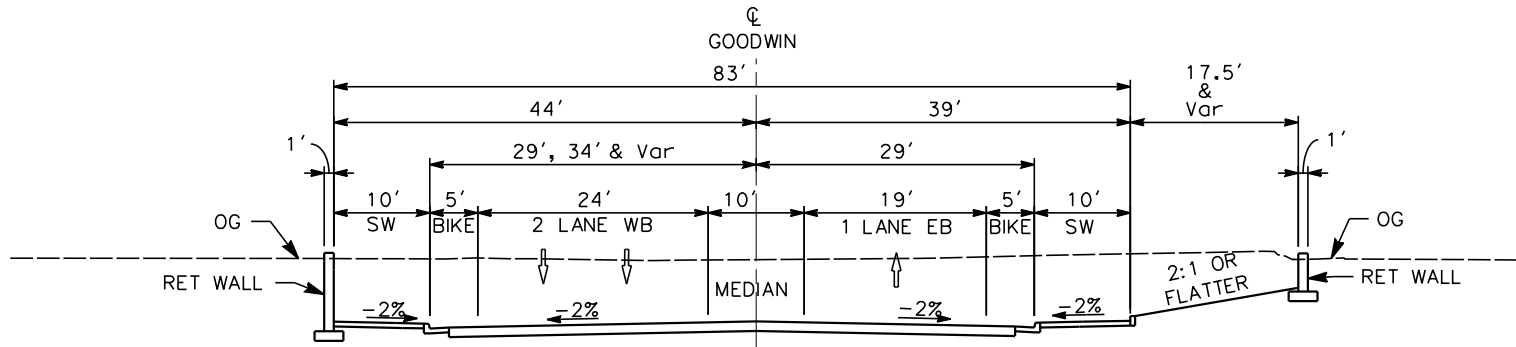
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STA 27+00  
CV-T1114 NO SCALE (F)



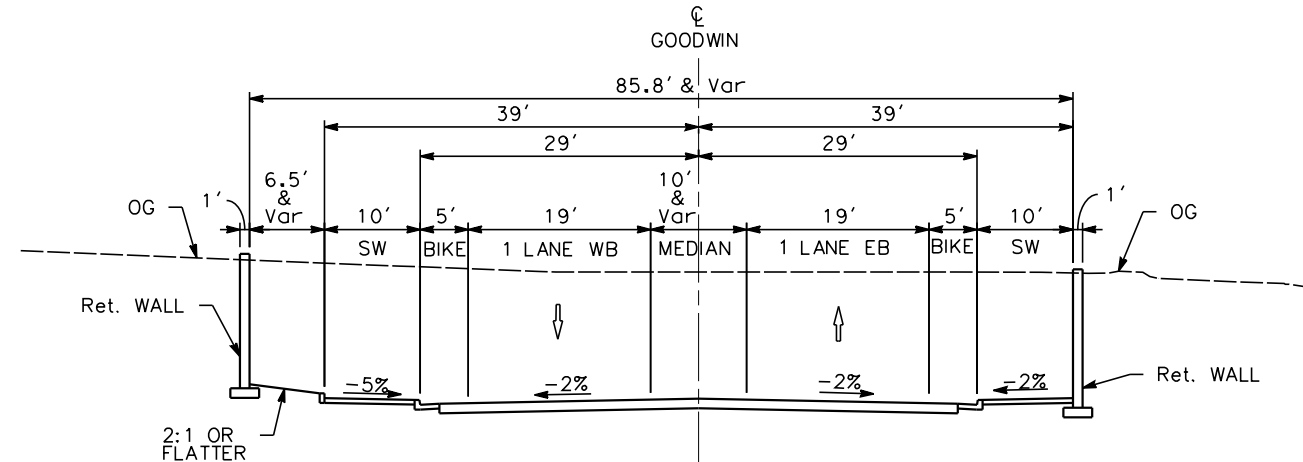
PROP CONDITION  
STA 16+00  
CV-T1113 NO SCALE (B)



PROP CONDITION  
STA 24+00  
CV-T1114 NO SCALE (E)



PROP CONDITION  
STA 12+50  
CV-T1113 NO SCALE (A)



PROP CONDITION  
STA 22+00  
CV-T1114 NO SCALE (D)

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FOR INTERNAL USE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
R. YU  
DRAWN BY  
A. CORTEZ  
CHECKED BY  
C. LEE  
IN CHARGE  
K. PIRBAZARI  
DATE  
04/30/2019

PEPD  
RECORD SET  
  
NOT FOR  
CONSTRUCTION



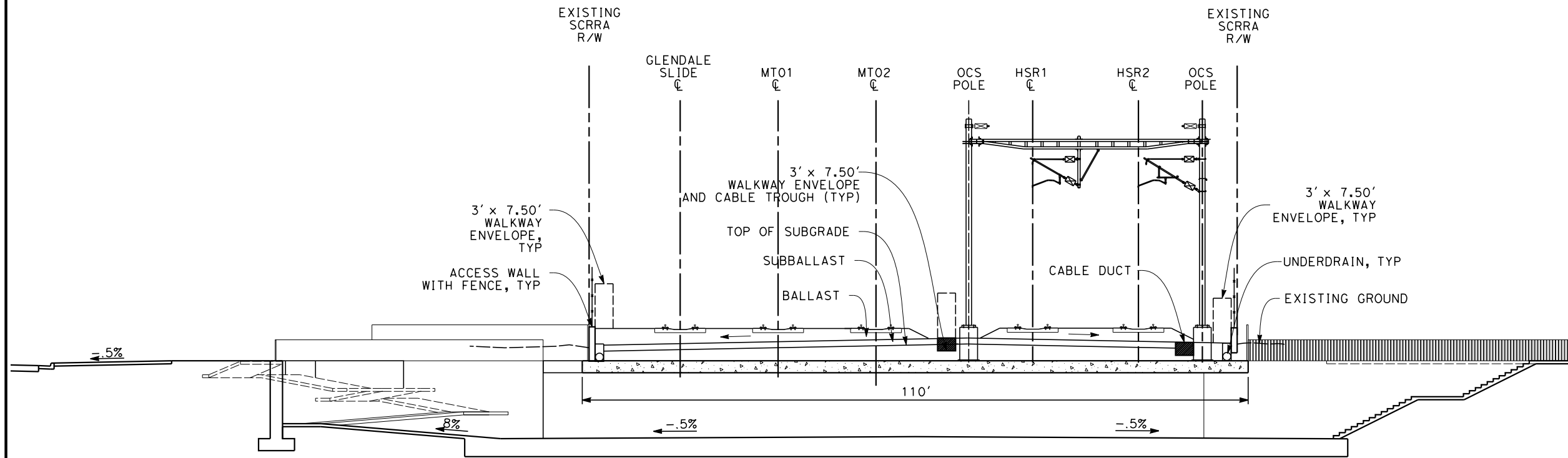
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - GOODWIN AVE UNDERPASS  
CROSS-SECTION

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T3111  
SCALE  
AS SHOWN  
SHEET NO.

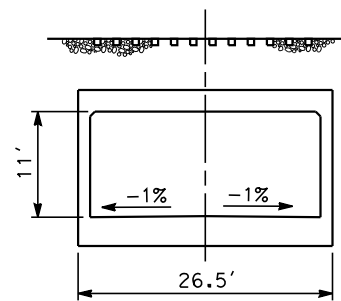


NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
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5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



LONGITUDINAL SECTION (A)  
CV-T1115 NO SCALE



TRANSVERSE SECTION (B)  
CV-T1115 NO SCALE

5/2/2019 10:04:24 AM c:\j\p\work\dir\haynesma\d0137103\k2L\CV-T3112.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**R. YU**  
CHECKED BY  
**C. LEE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

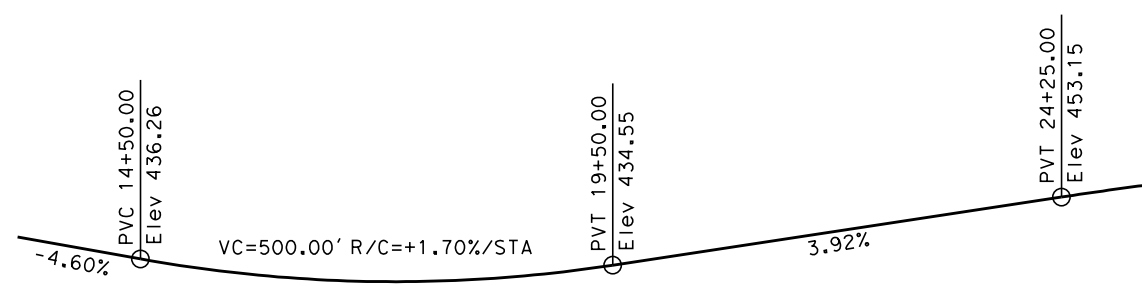
**PEPD RECORD SET**  
  
**NOT FOR CONSTRUCTION**



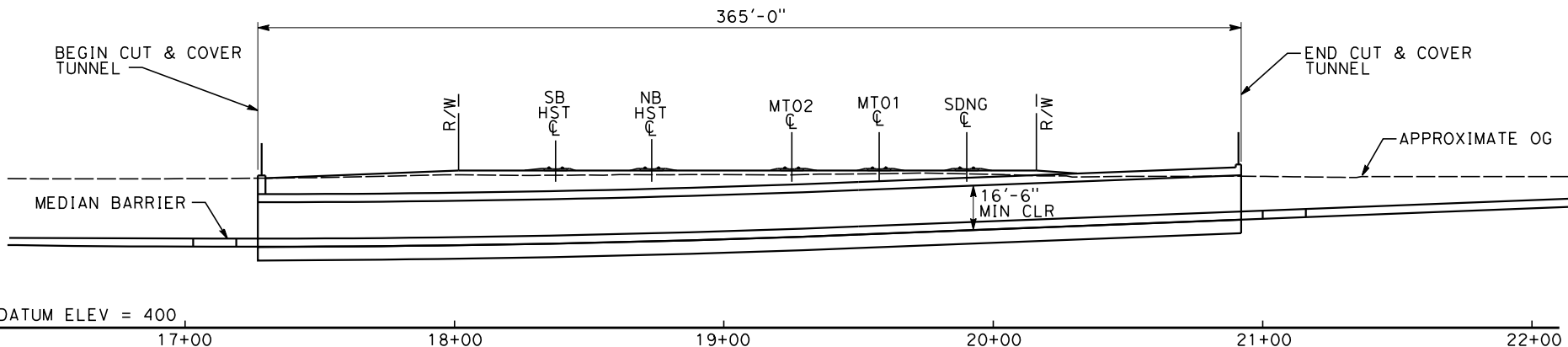
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - CHEVY CHASE DR. PED CROSSING  
CROSS-SECTION

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T3112  
SCALE  
AS SHOWN  
SHEET NO.

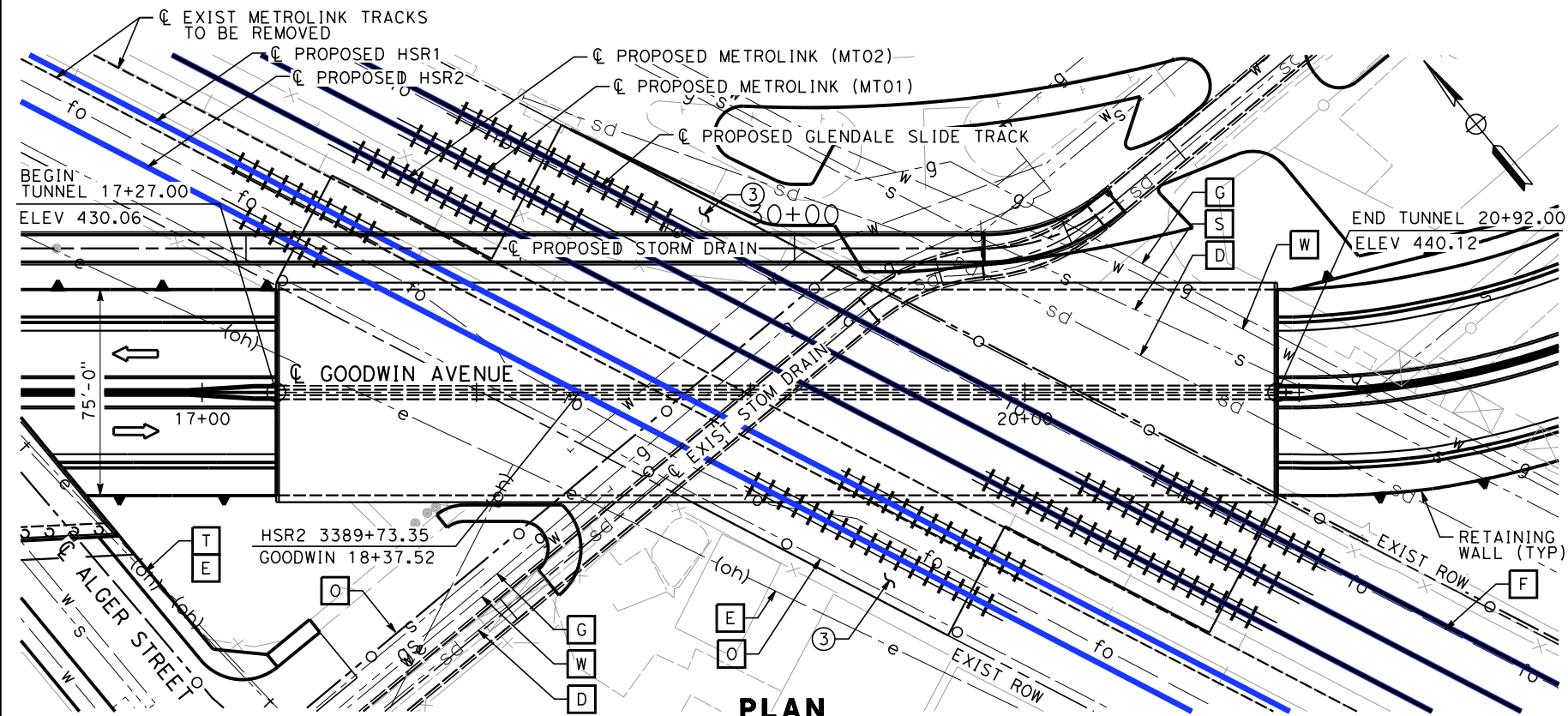




**GOODWIN PROFILE GRADE**  
NO SCALE



**ELEVATION**  
SCALE: 1"=30'



**PLAN**  
SCALE: 1"=30'

**NOTES**

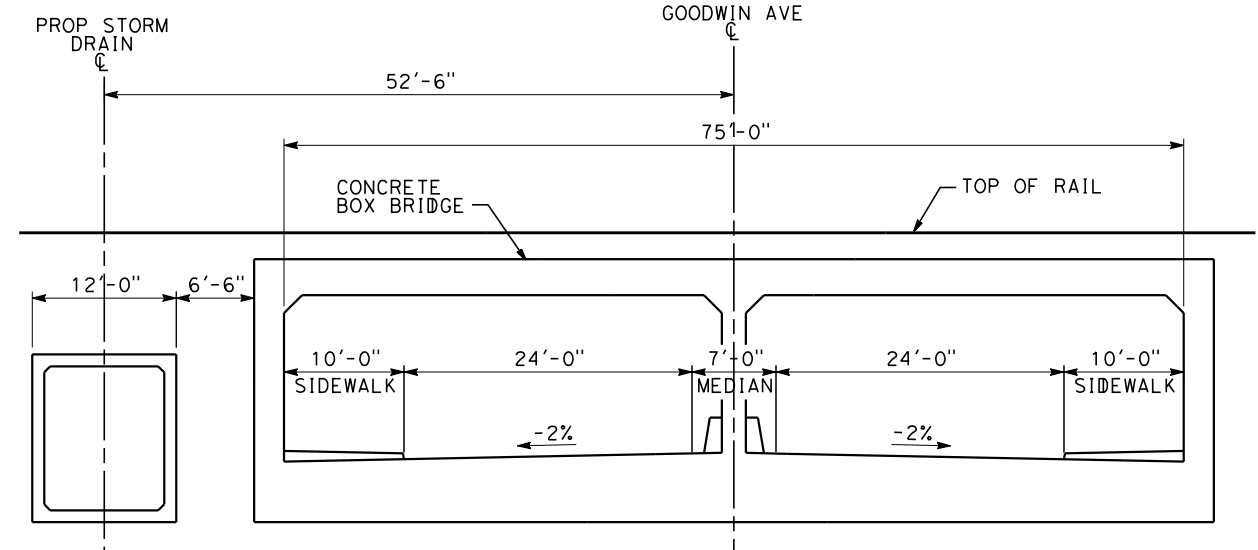
- ① CONCRETE BARRIER
- ② CHAIN LINK RAILING
- ③ STRUCTURE APPROACH SLAB

**EXISTING UTILITIES**

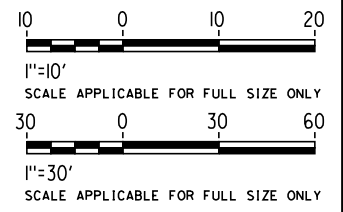
- E ELECTRIC CABLE (OH)
- F FIBER OPTIC
- G GAS
- O OIL
- S SEWER
- D STORM DRAIN
- T TELEPHONE (OH)
- W WATER

**LEGEND**

- ➔ INDICATES DIRECTION OF TRAFFIC
- ||||| INDICATES METROLINK AND HST TRACKS



**TYPICAL SECTION**  
SCALE: 1"=10'



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5/2/2019 10:05:01 AM c:\jip\pwworkdir\haynesma\d0137172\k2l-st-k1111.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**  
DRAWN BY  
**P. ZUCCHI**  
CHECKED BY  
**M. PONCE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

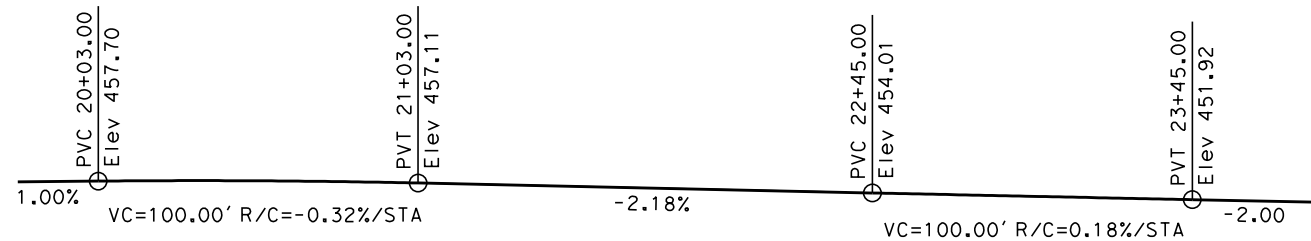
**PEPD RECORD SET**  
  
**NOT FOR CONSTRUCTION**



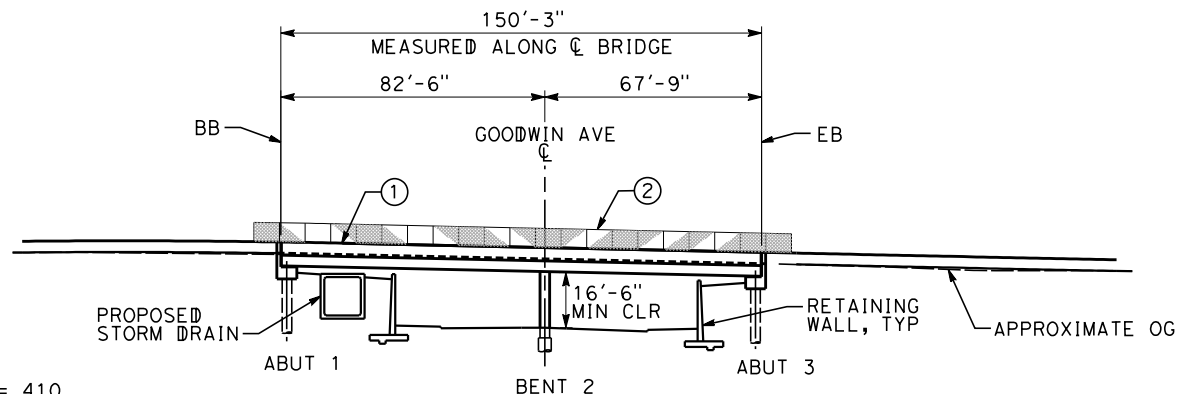
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - GOODWIN AVE UNDERPASS  
GENERAL PLAN - SHEET 1 OF 1

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
ST-K1111  
SCALE  
AS SHOWN  
SHEET NO.





**ALGER PROFILE GRADE**  
NO SCALE



**NOTES**

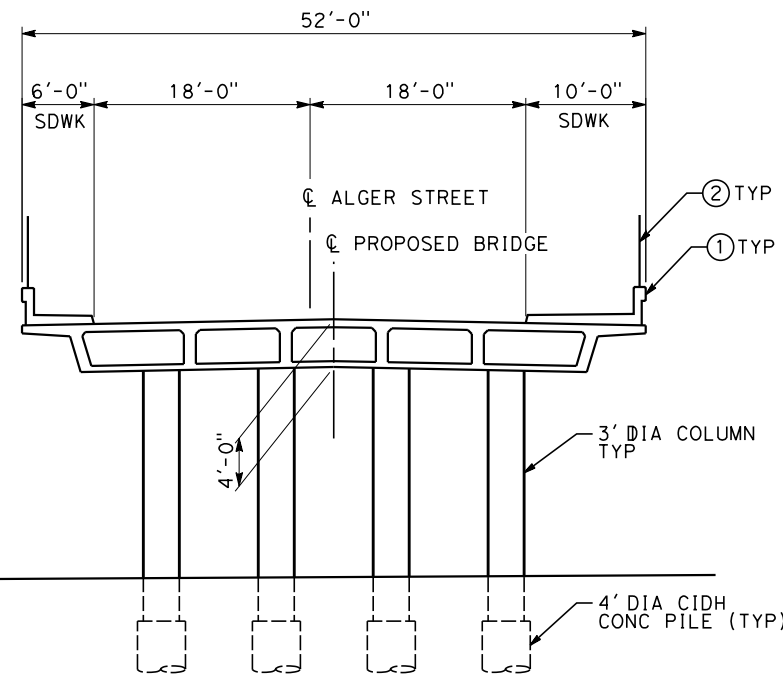
- ① CONCRETE BARRIER
- ② CHAIN LINK RAILING
- ③ STRUCTURE APPROACH SLAB

**EXISTING UTILITIES**

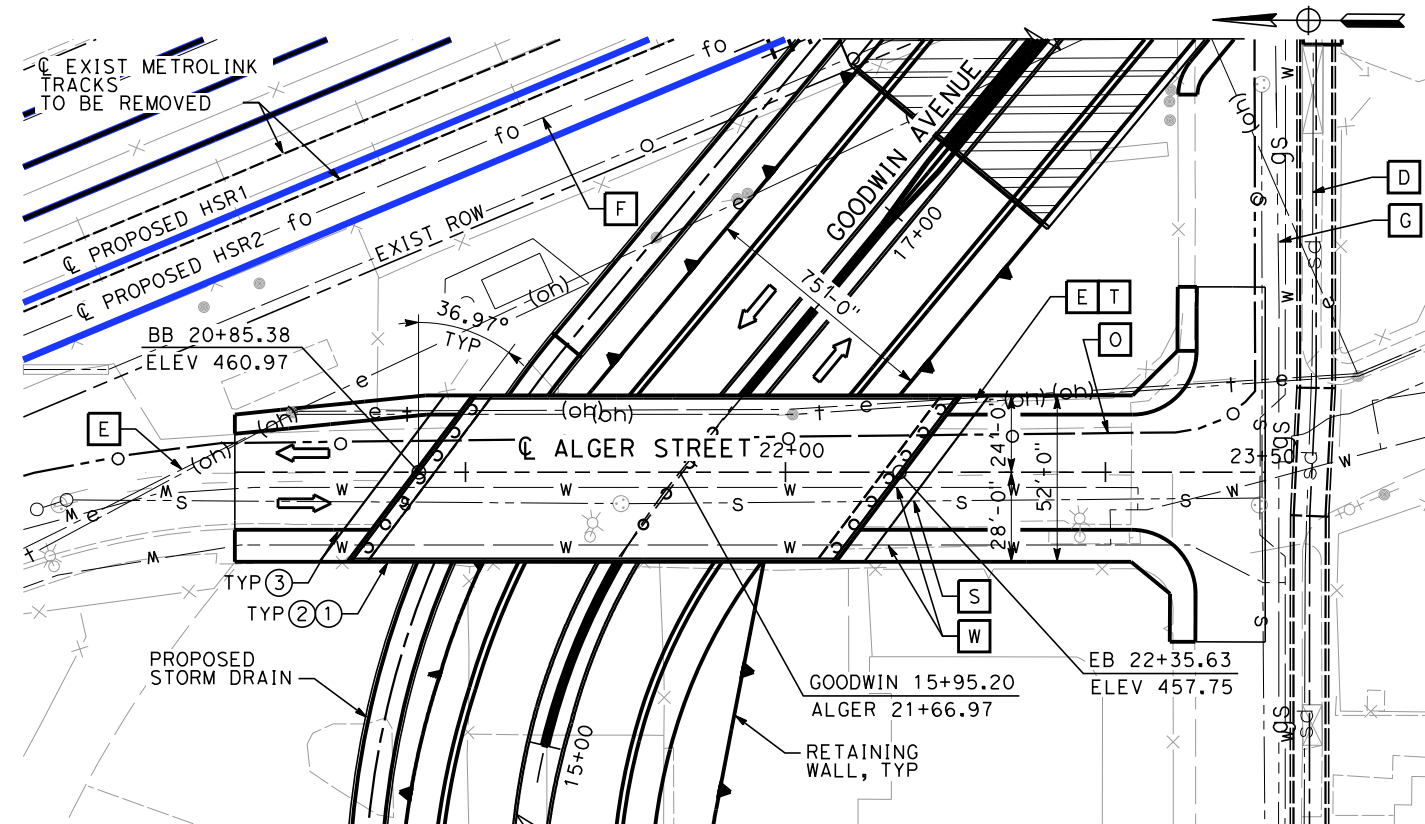
- E ELECTRIC CABLE (OH)
- F FIBER OPTIC
- G GAS
- O OIL
- S SEWER
- D STORM DRAIN
- T TELEPHONE (OH)
- W WATER

**LEGEND**

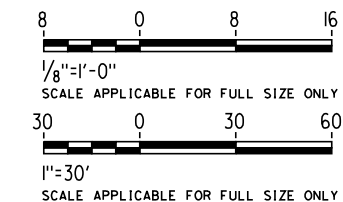
➔ INDICATES DIRECTION OF TRAFFIC



**TYPICAL SECTION**  
SCALE: 1/8"=1'-0"



**PLAN**  
SCALE: 1"=30'



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5/2/2019 10:05:22 AM c:\jip\pwworkdir\haynesma\d0137172\k2l-st-k1112.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**  
DRAWN BY  
**P. ZUCCHI**  
CHECKED BY  
**M. PONCE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - ALGER STREET OVERPASS  
GENERAL PLAN - SHEET 1 OF 1

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
ST-K1112  
SCALE  
AS SHOWN  
SHEET NO.



**NOTES**

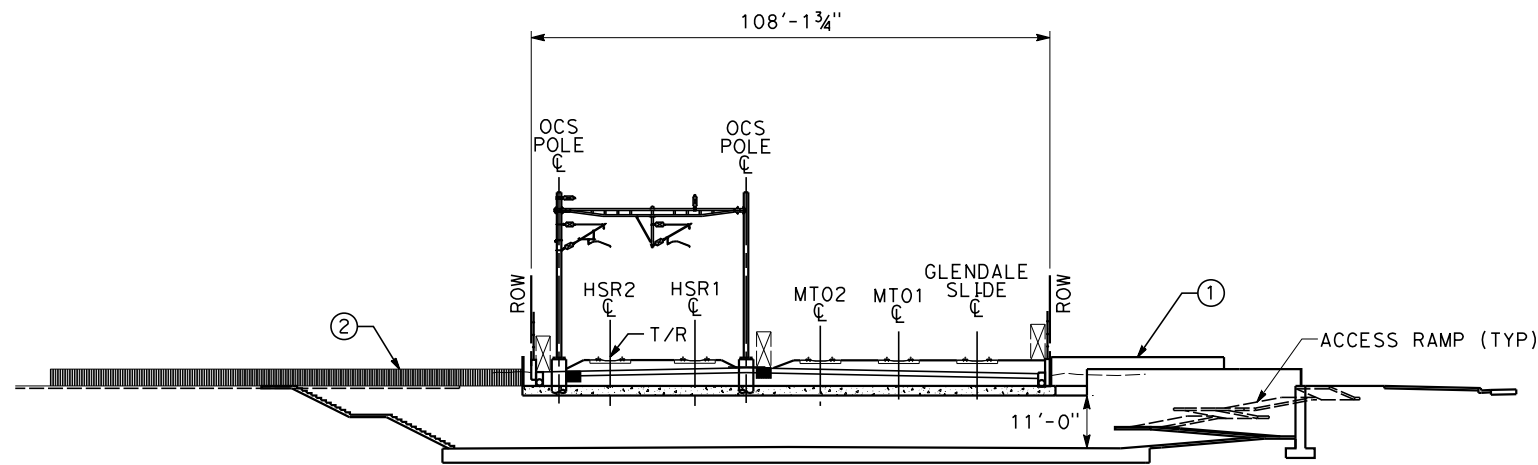
- ① CONCRETE BARRIER
- ② RAILING

**EXISTING UTILITIES**

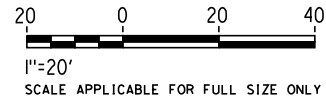
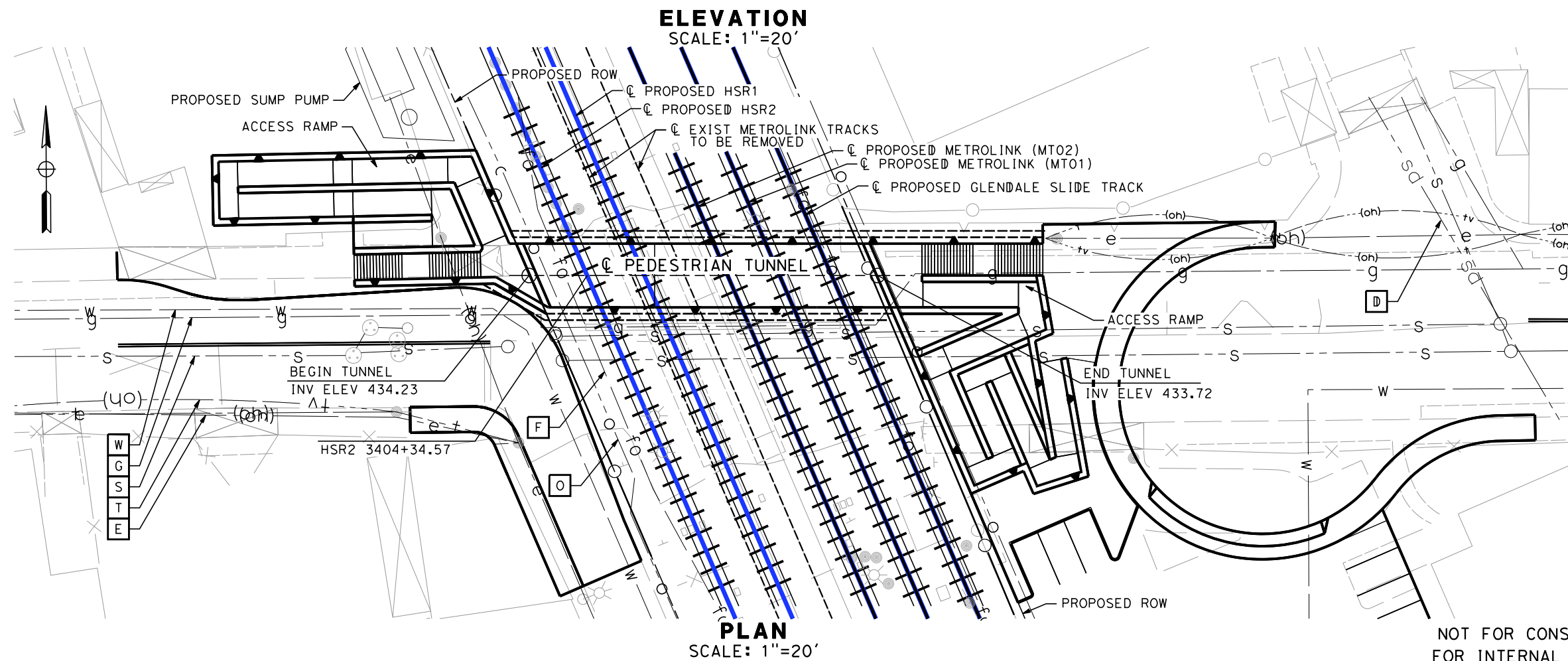
- E ELECTRIC CABLE (OH)
- F FIBER OPTIC
- G GAS
- O OIL
- S SEWER
- D STORM DRAIN
- T TELEPHONE (OH)
- W WATER

**LEGEND**

|||| INDICATES METROLINK AND HST TRACKS



DATUM ELEV = 420



5/2/2019 10:05:37 AM c:\jip\pwworkdir\haynesma\d0137172\k2l\st-k1113.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**

DRAWN BY  
**P. ZUCCHI**

CHECKED BY  
**M. PONCE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**

**BURBANK TO LOS ANGELES**

PEPD

GRADE SEPARATION - CHEVY CHASE DR PED CROSSING

GENERAL PLAN - SHEET 1 OF 2

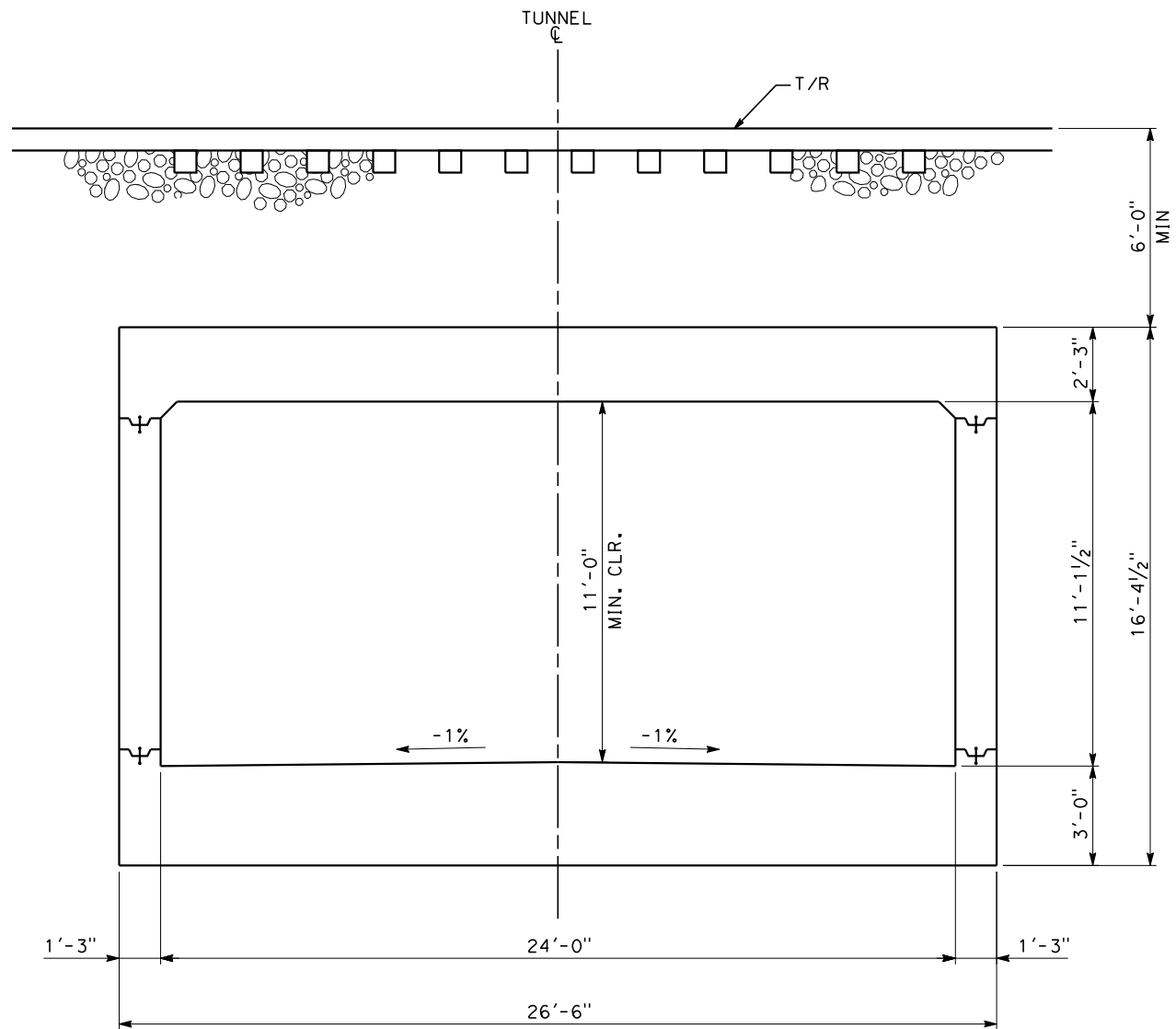
CONTRACT NO.  
**HSR14-39**

DRAWING NO.  
**ST-K1113**

SCALE  
**AS SHOWN**

SHEET NO.





**TYPICAL SECTION**  
SCALE: 3/8" = 1'-0"



NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY  
SCALE APPLICABLE FOR FULL SIZE ONLY

4/30/2019 11:40:44 AM c:\jip\pwworkdir\haynesma\d0137172\k2l-st-k3113.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**  
DRAWN BY  
**P. ZUCCHI**  
CHECKED BY  
**M. PONCE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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

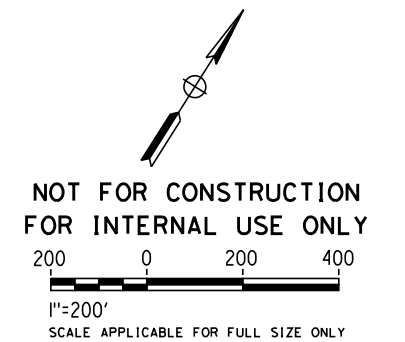
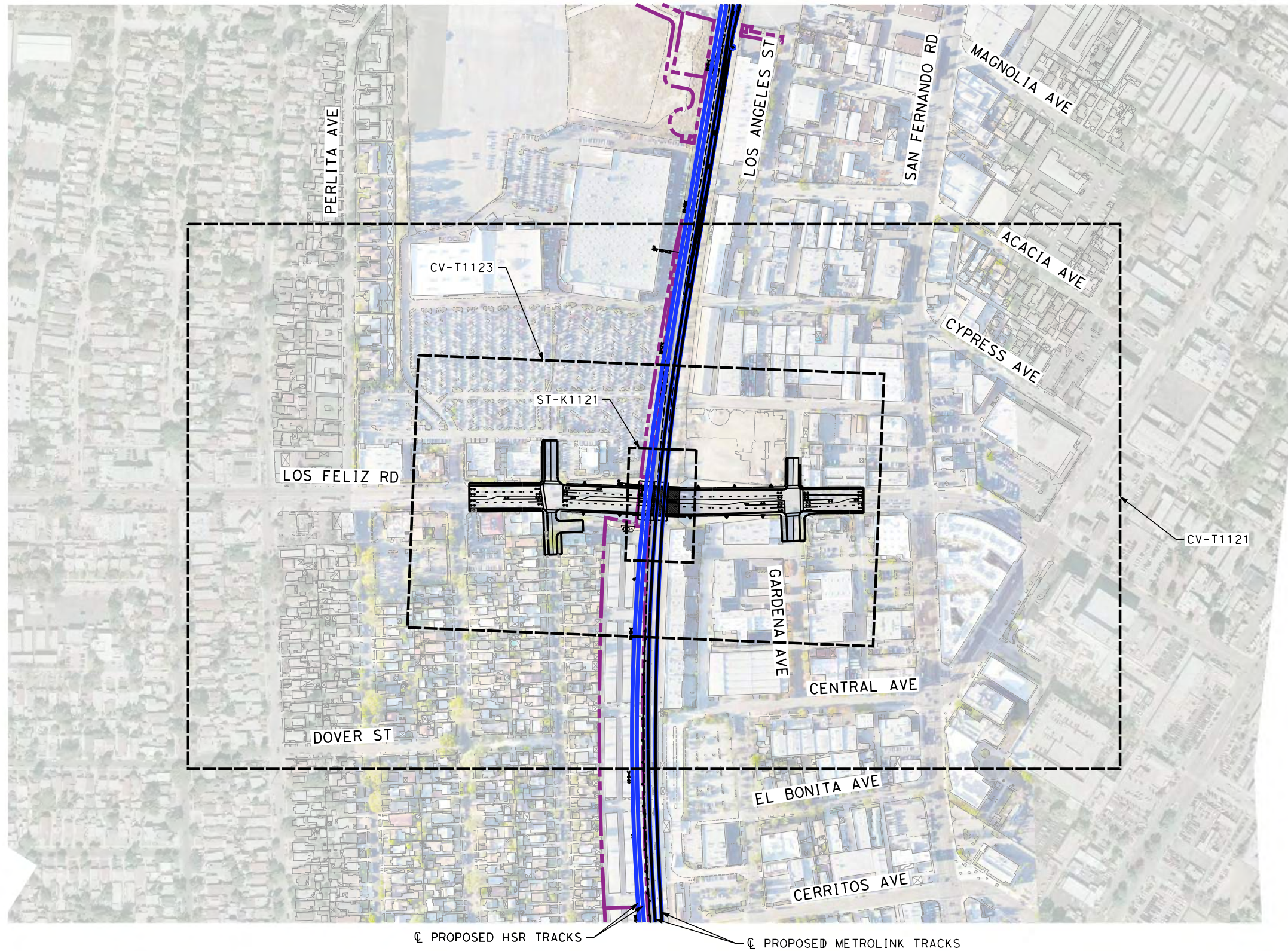


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - CHEVY CHASE DR PED CROSSING  
GENERAL PLAN - SHEET 2 OF 2

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
ST-K3113  
SCALE  
AS SHOWN  
SHEET NO.



4/30/2019 11:41:38 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\k2l-cv-t0121.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - LOS FELIZ BLVD UNDERPASS  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T0121  
SCALE  
AS SHOWN  
SHEET NO.



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

**LINE DATA**

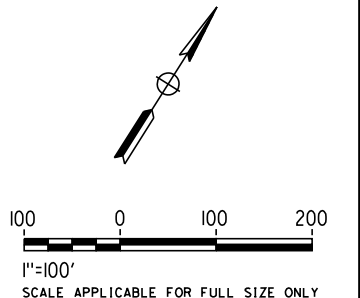
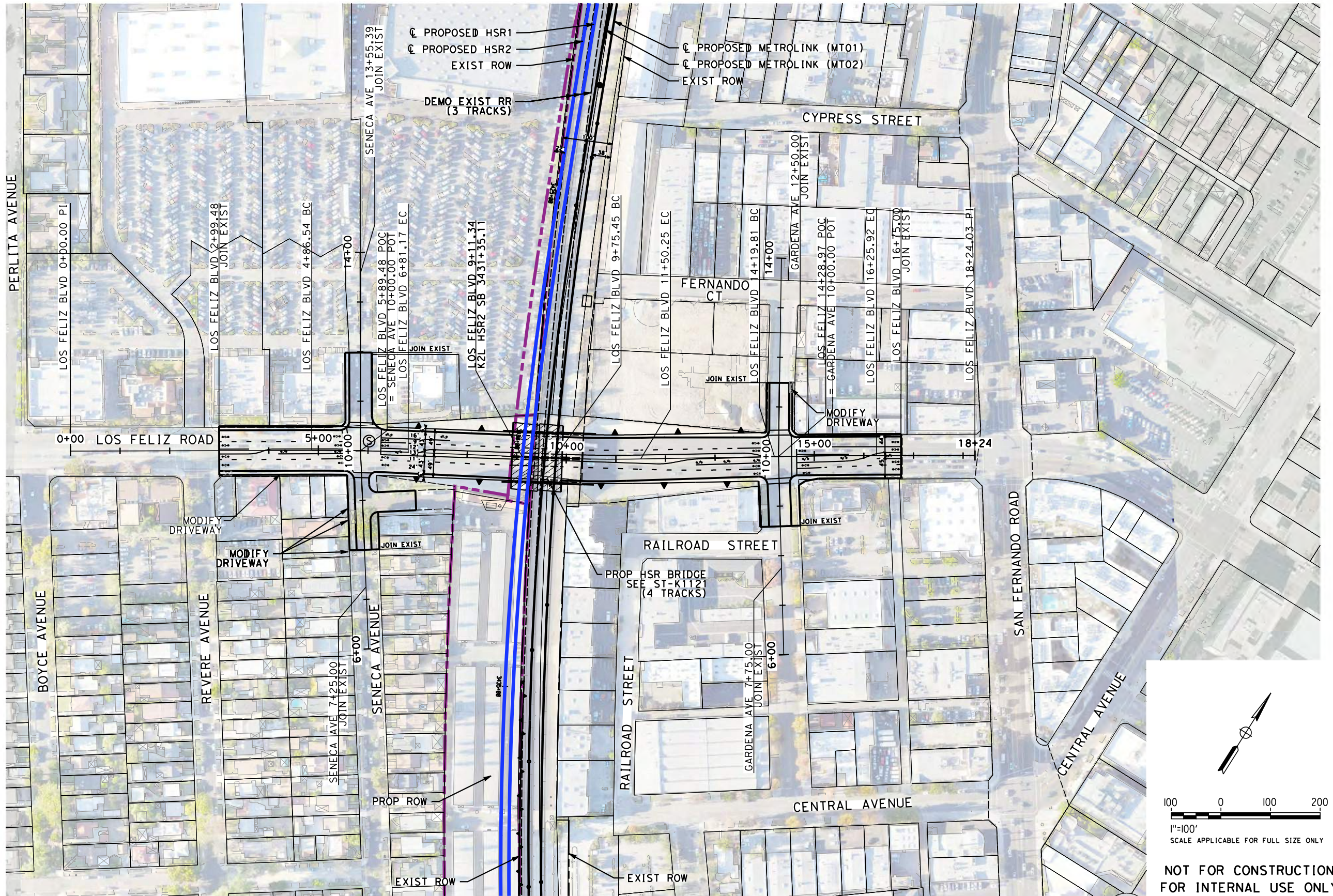
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2	N59°57'44"E	294.27'
3	N56°37'26"E	269.57'
4	N57°36'29"E	198.11'
5	N34°40'21"W	400.00'
6	N32°29'04"W	400.00'
7	N33°52'47"W	400.00'
8	N31°29'32"W	400.00'

**CURVE DATA**

NO	R	Δ	T	L
①	4500.00'	2°28'42"	97.33'	194.64'
②	3000.00'	3°20'18"	87.42'	174.80'
③	12000.00'	00°59'03"	103.06'	206.11'

**LEGEND:**

- TEMP CONST EASEMENT
- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS
- PROPOSED STRUCTURE



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

4/30/2019 11:42:53 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t1121.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

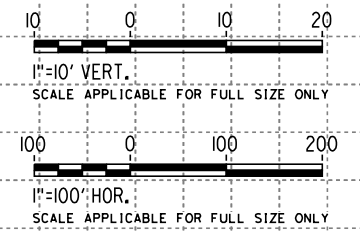
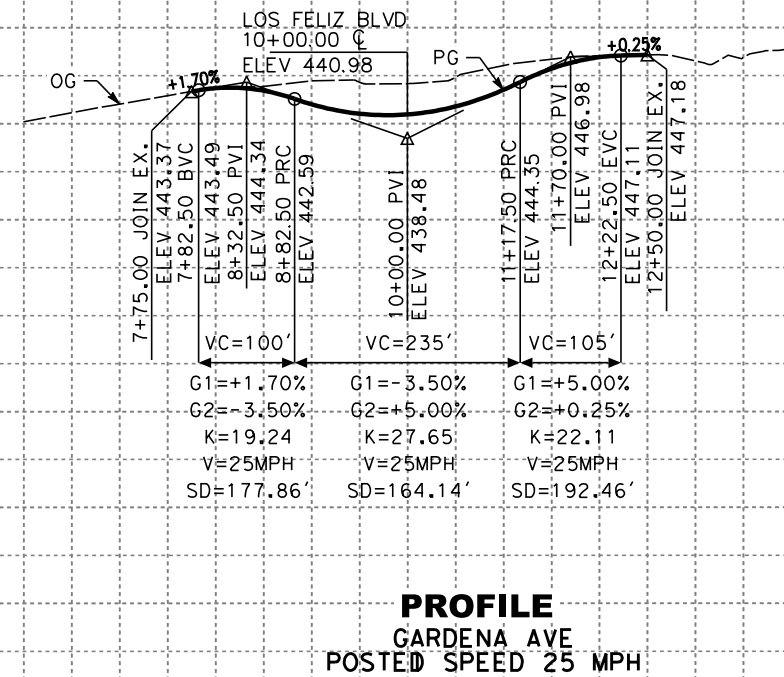
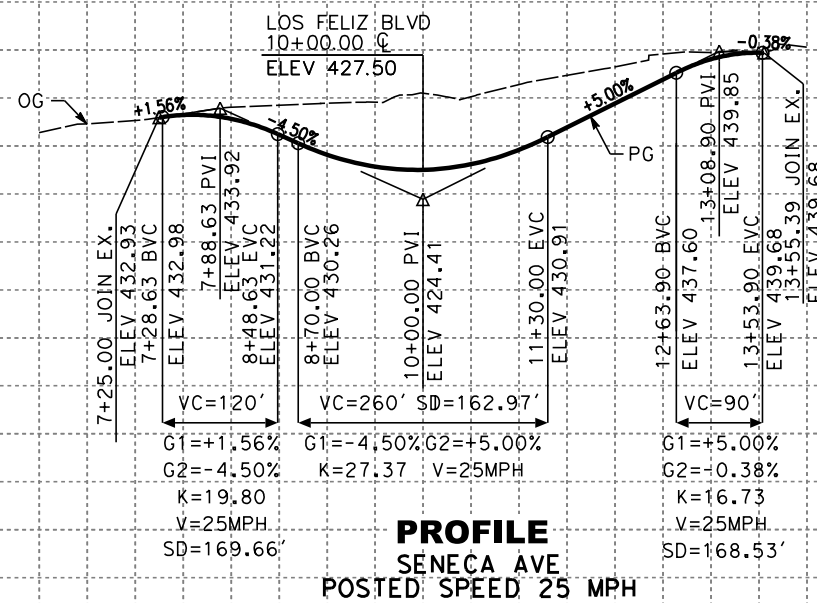
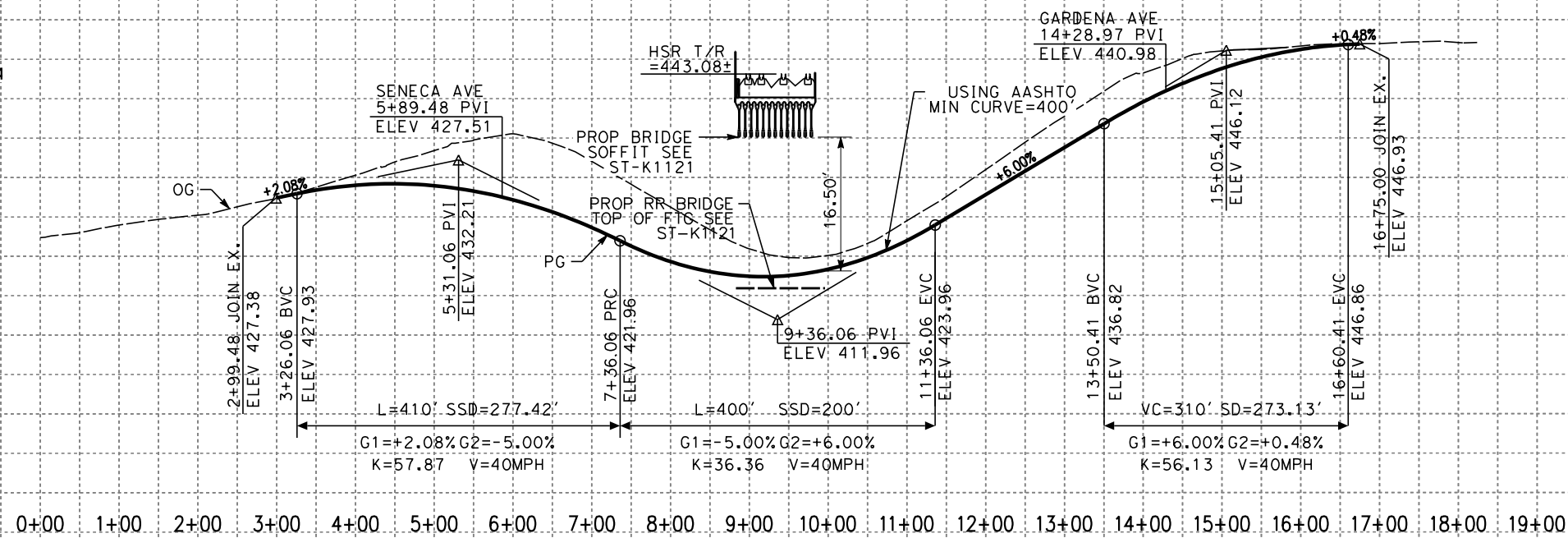
PEPD  
GRADE SEPARATION - LOS FELIZ BLVD UNDERPASS  
PLAN

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1121  
SCALE  
AS SHOWN  
SHEET NO.



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY

STATION	4+00	5+00	6+00	7+00	8+00	9+00	10+00	11+00	12+00	13+00	14+00	15+00	16+00	4+00	5+00	6+00	7+00	8+00	9+00	10+00	11+00	12+00	13+00	14+00	15+00	16+00	TOTAL	
Exc																												
Emb																												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE

DATE

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - LOS FELIZ BLVD UNDERPASS  
PROFILE

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1122

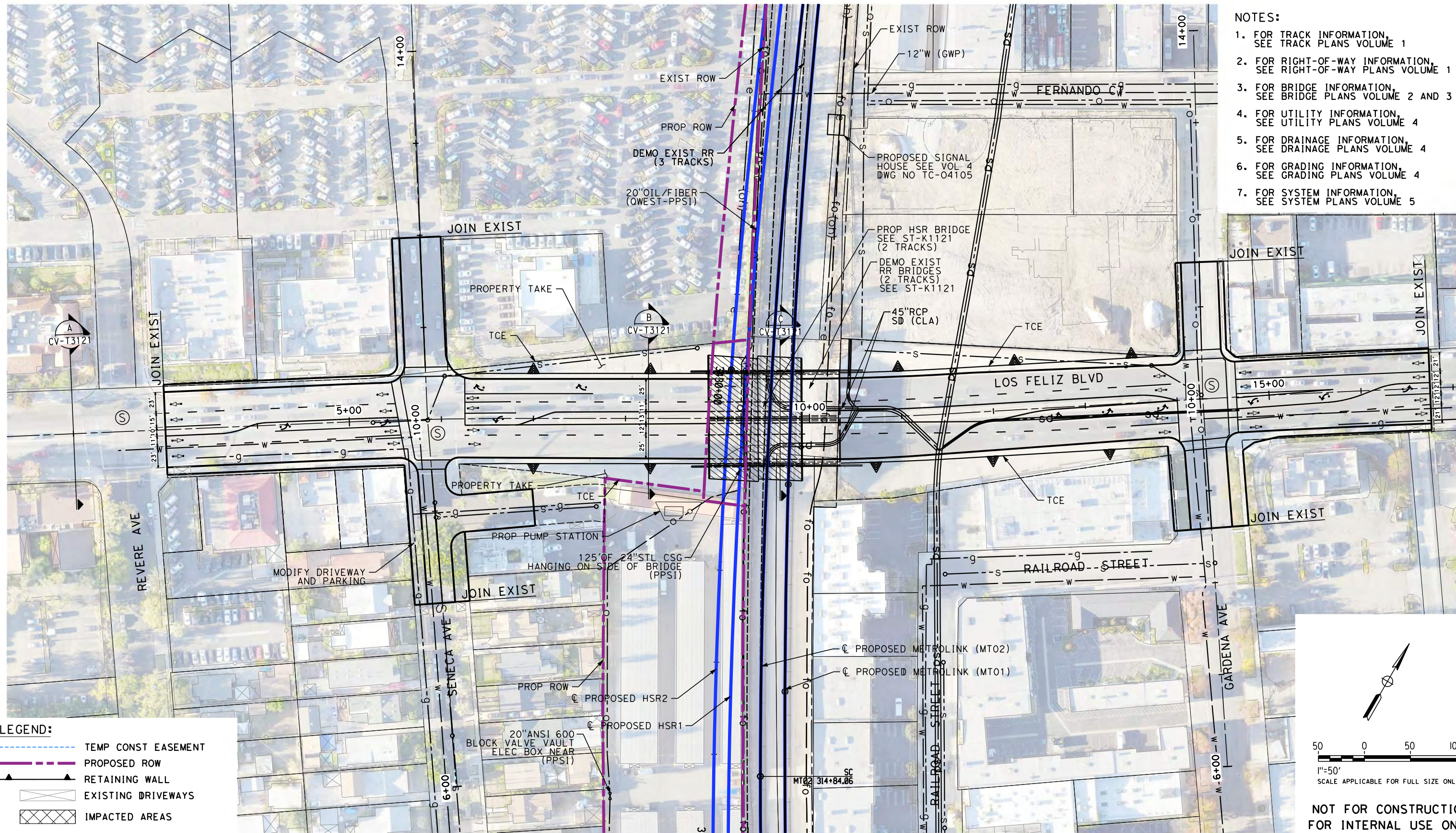
SCALE  
AS SHOWN

SHEET NO.

4/30/2019 11:43:09 AM c:\jip\pwworkdir\haynesma\d0137103\k2l-cv-t1122.dgn



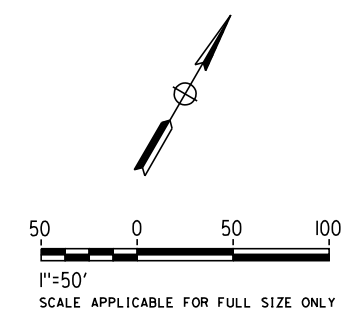
4/30/2019 11:44:15 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t1123.dgn



- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

**LEGEND:**

	TEMP CONST EASEMENT
	PROPOSED ROW
	RETAINING WALL
	EXISTING DRIVEWAYS
	IMPACTED AREAS
	PROPOSED STRUCTURE



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - LOS FELIZ BLVD UNDERPASS  
IMPACT PLAN

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1123

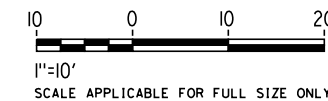
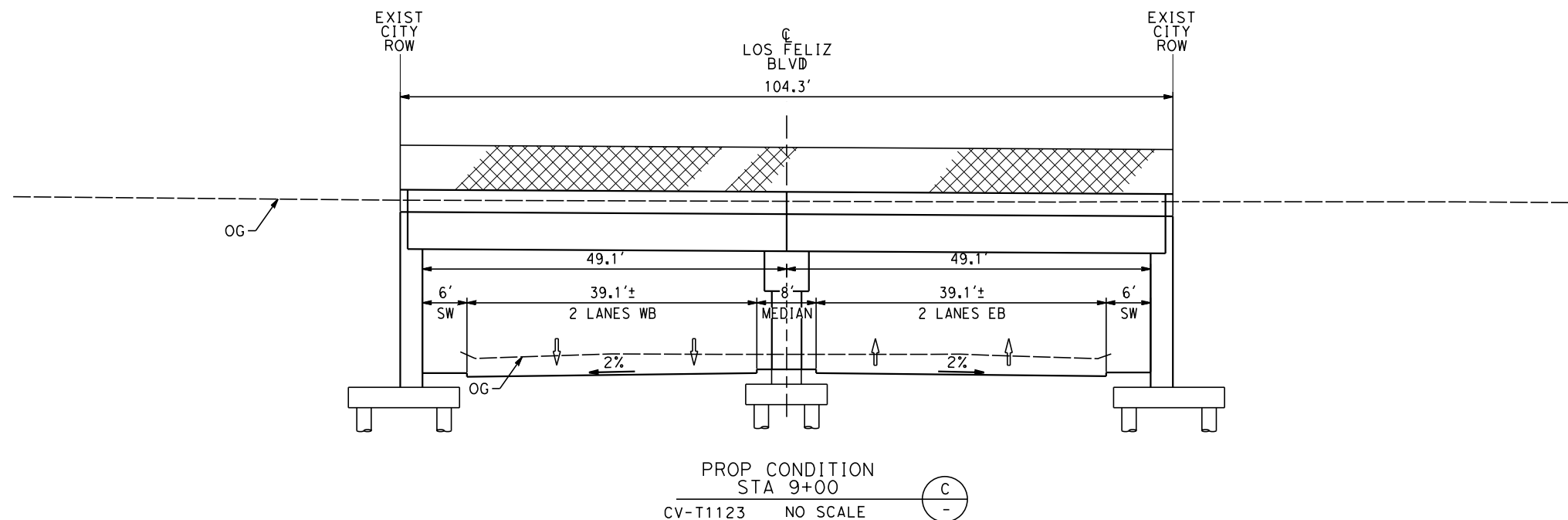
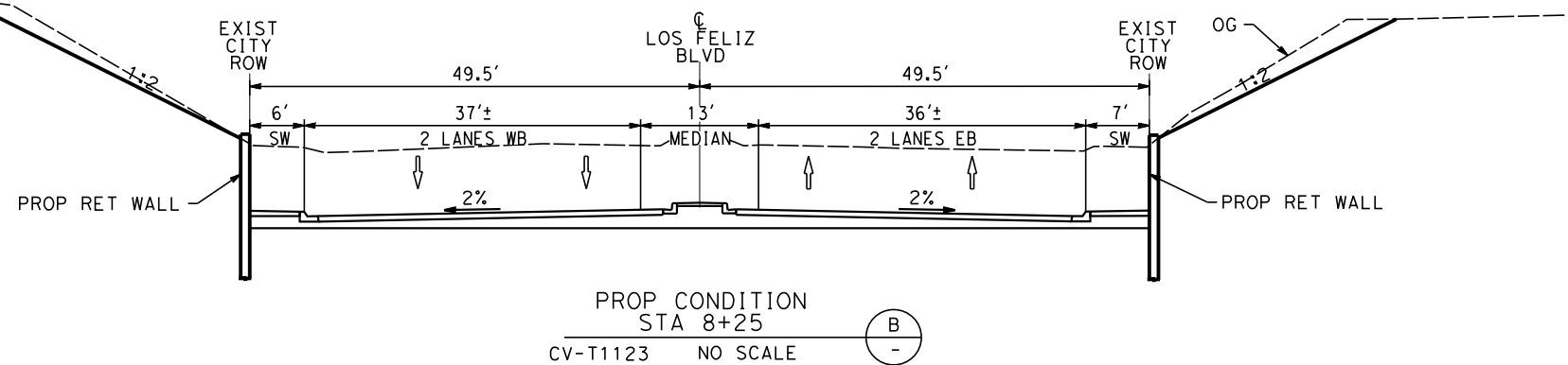
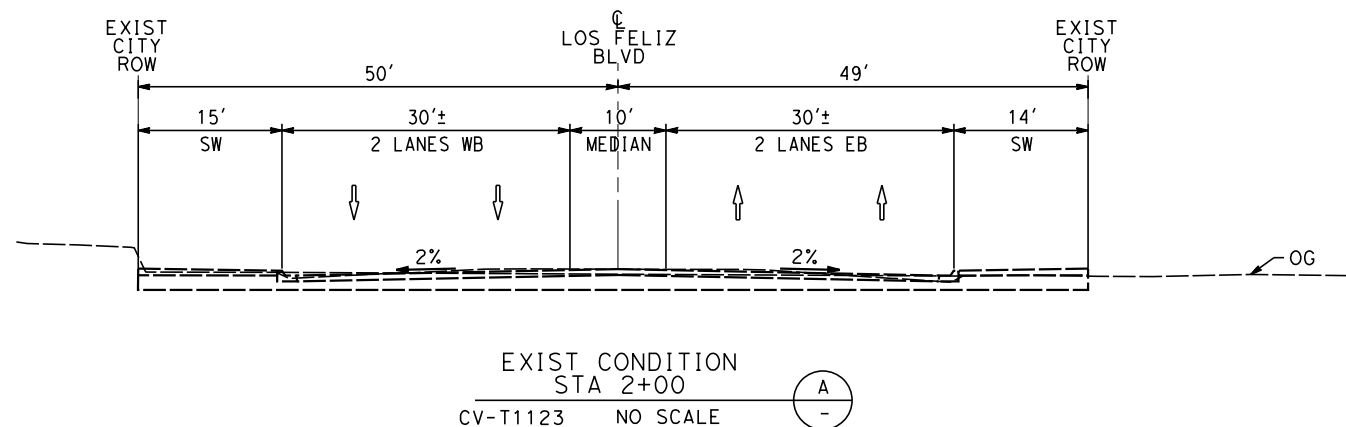
SCALE  
AS SHOWN

SHEET NO.



NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY

4/30/2019 11:44:28 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L\CV-T3121.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**A. CORTEZ**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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

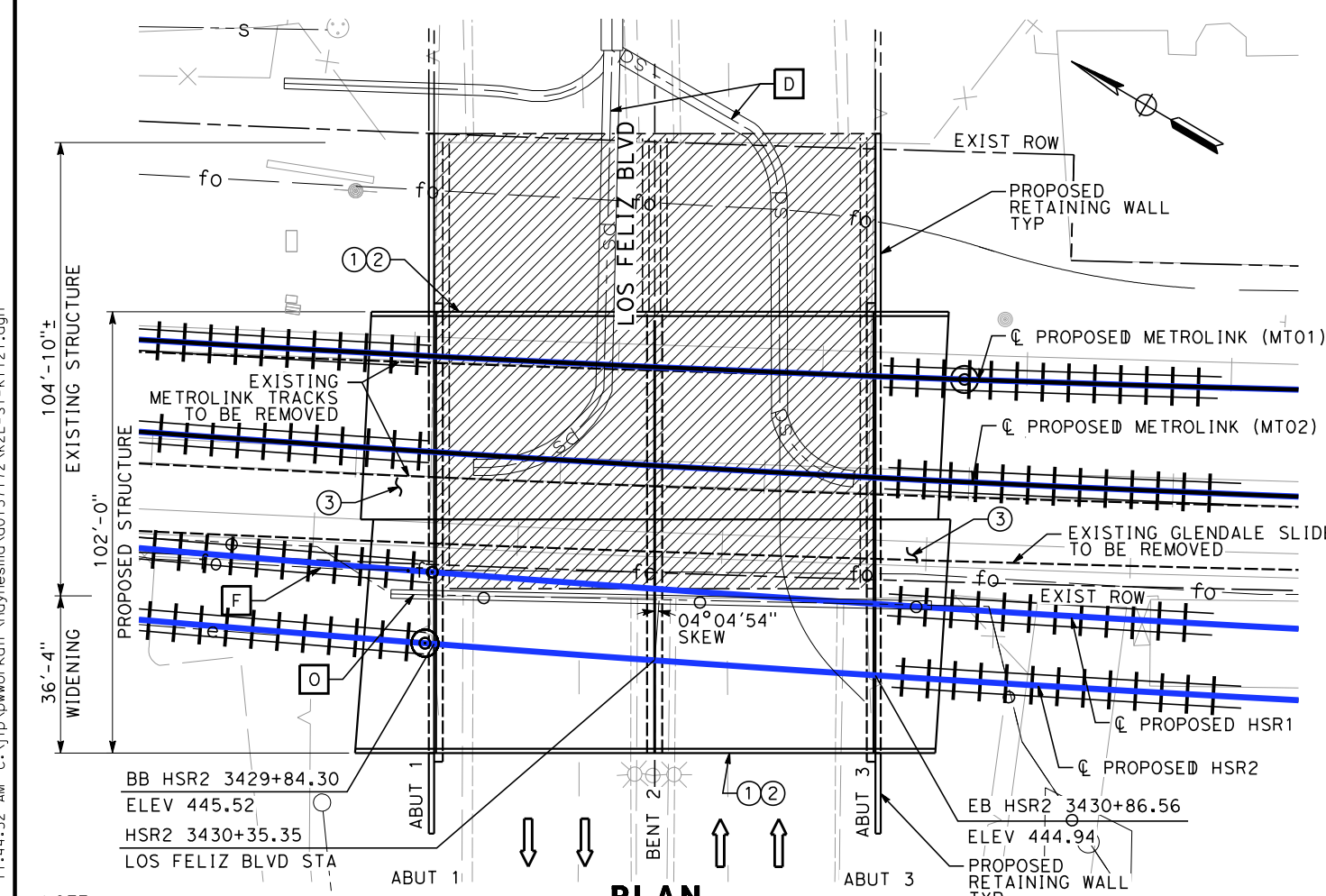
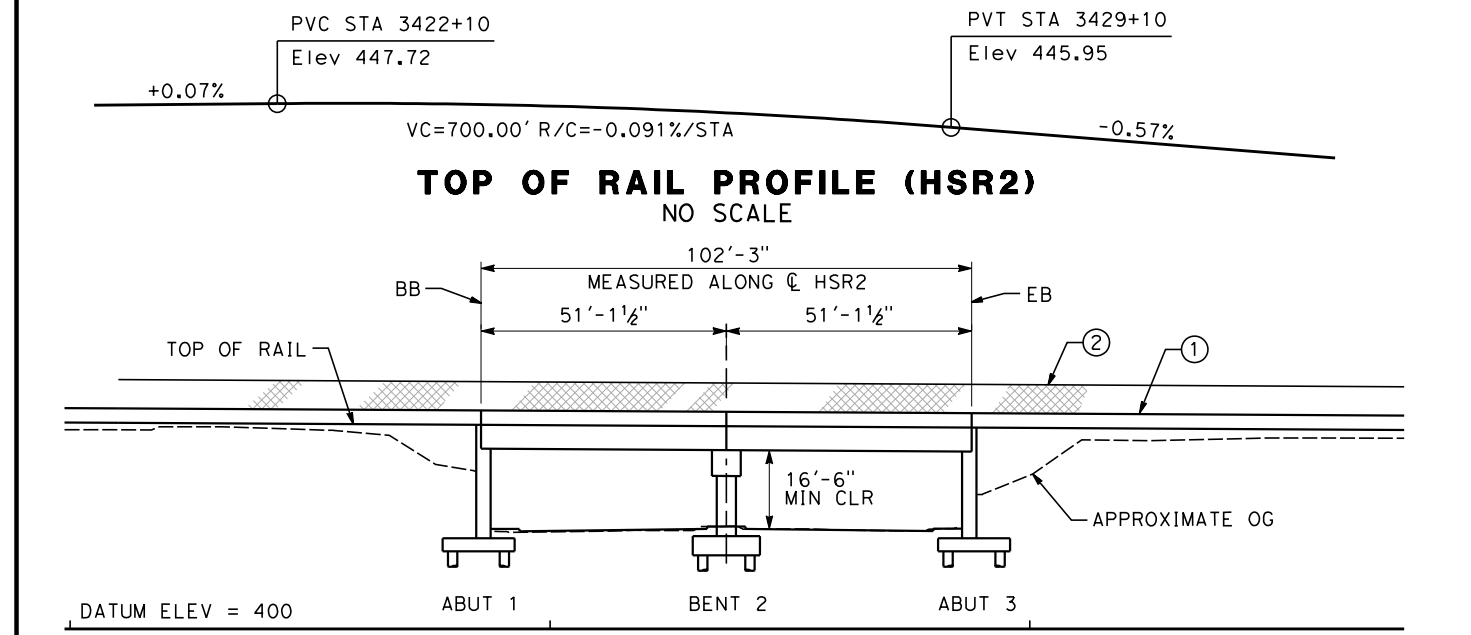


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - LOS FELIZ BLVD UNDERPASS  
CROSS-SECTION

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T3121  
SCALE  
AS SHOWN  
SHEET NO.



4/30/2019 11:44:52 AM c:\jip\pwworkdir\haynesma\d0137172\k2l-st-k1121.dgn



NOTE: RELOCATE EXISTING 20" OIL LINE

**CONSTRUCTION STAGING NOTES:**

- 1 DEMOLISH 12' WESTSIDE PORTION OF EXISTING BRIDGE
- 2 CONSTRUCT 50' OF NEW BRIDGE AND OPEN TO METROLINK TRAFFIC TEMPORARILY
- 3 COMPLETE NEW BRIDGE CONSTRUCTION FOR HSR AND METROLINK OPERATION
- 4 REMOVE REMAINING EXISTING STRUCTURE

**NOTES**

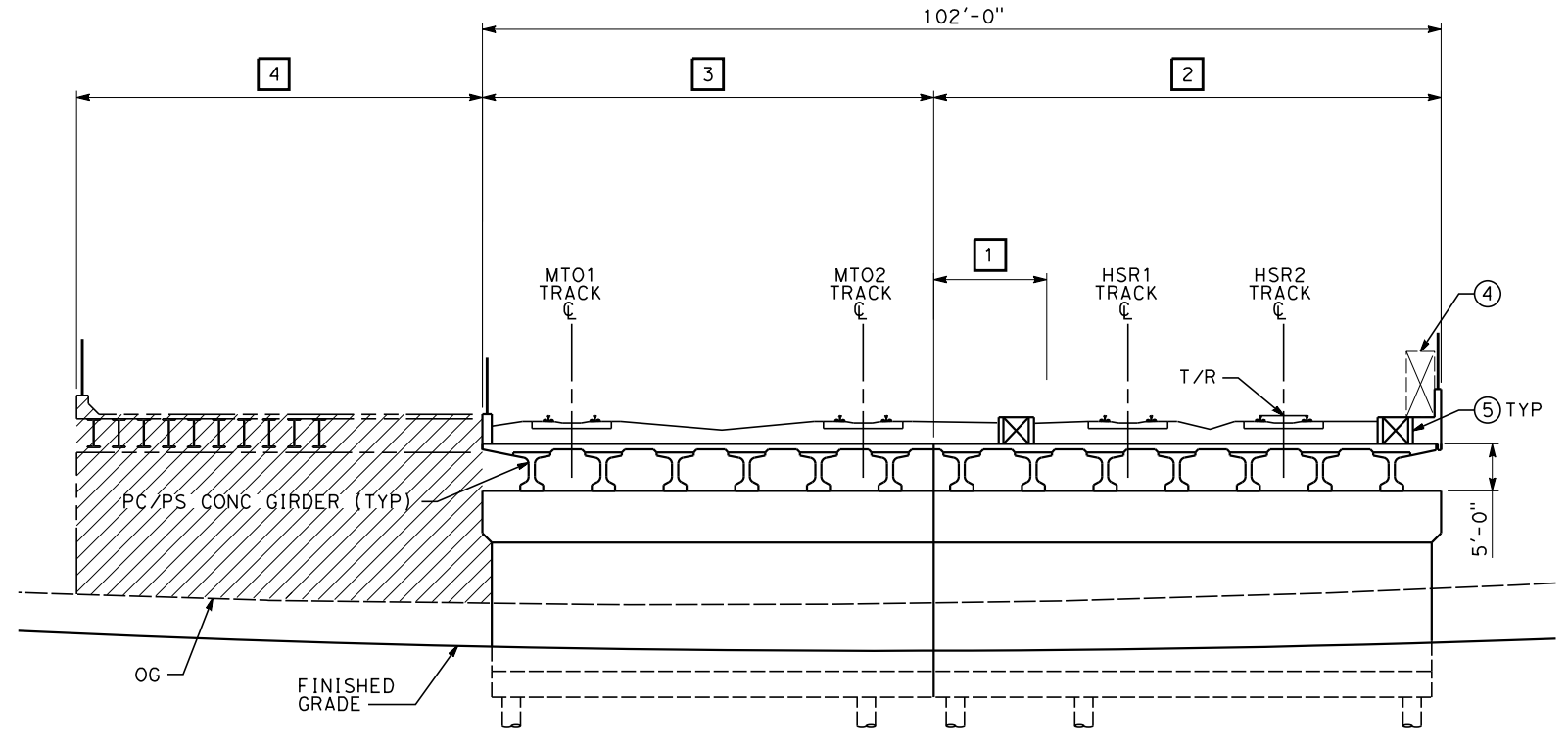
- 1 BARRIER
- 2 CHAIN LINK RAILING
- 3 STRUCTURE APPROACH SLAB
- 4 WALKWAY (3'-0" WIDE)
- 5 CABLE DUCT

**LEGEND**

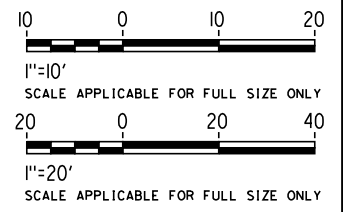
- INDICATES METROLINK AND HSR TRACKS
- INDICATES LIMITS OF REMOVAL
- INDICATES DIRECTION OF TRAFFIC

**EXISTING UTILITIES**

- FIBER OPTIC (RELOCATE)
- OIL (20" LINE, RELOCATE)
- STORM DRAIN (RELOCATE)



**TYPICAL SECTION - BENT 2**  
SCALE: 1"=10'



NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**  
DRAWN BY  
**P. ZUCCHI**  
CHECKED BY  
**M. PONCE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - LOS FELIZ BLVD UNDERPASS  
GENERAL PLAN - SHEET 1 OF 1

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
ST-K1121  
SCALE  
AS SHOWN  
SHEET NO.



4/30/2019 11:45:51 AM c:\j\p\work\dir\haynesma\d0137103\k2L\CV-T0131.dgn



NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY

200 0 200 400

1"=200'

SCALE APPLICABLE FOR FULL SIZE ONLY

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - GLENDALE BLVD UNDERPASS  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T0131

SCALE  
AS SHOWN

SHEET NO.



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5


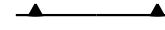



**CURVE DATA**

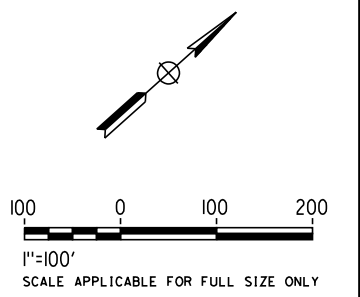
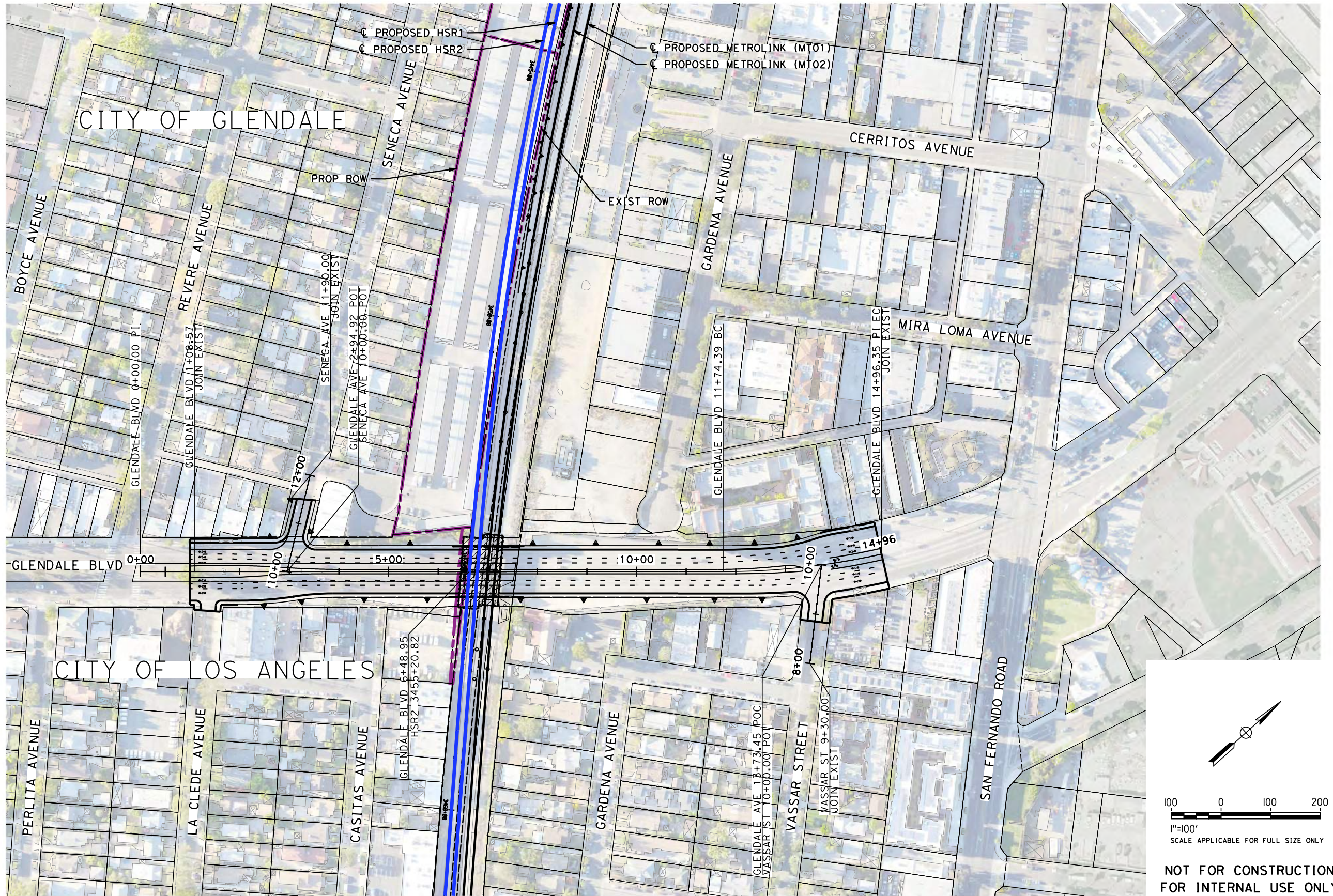
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①	1460.00'	12°38'15"	161.67'	322.03'

**LINE DATA**

NO	BEARING	DISTANCE
1	N41°50'34"E	1174.39'
2	N34°31'48"W	200.00'
3	N41°21'35"W	200.00'

**LEGEND:**

-  PROPOSED ROW
-  RETAINING WALL
-  EXISTING DRIVEWAYS
-  IMPACTED AREAS
-  PROPOSED STRUCTURE



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FOR INTERNAL USE ONLY**

4/30/2019 11:47:04 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1131.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
GRADE SEPARATION - GLENDALE BLVD UNDERPASS  
PLAN

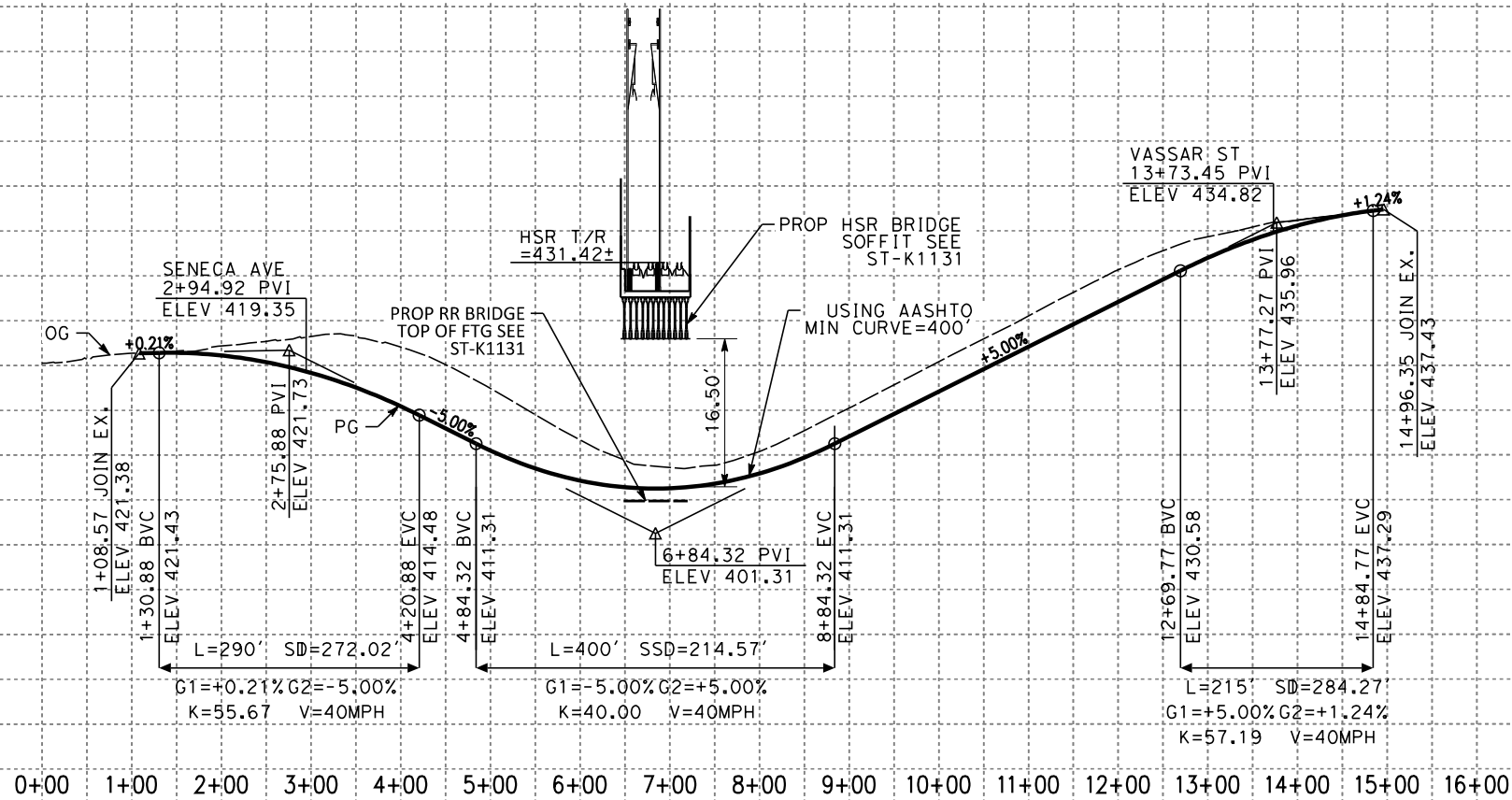
CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1131  
SCALE  
AS SHOWN  
SHEET NO.



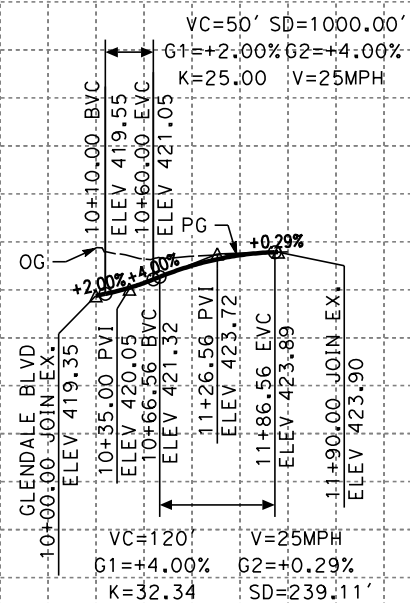
**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

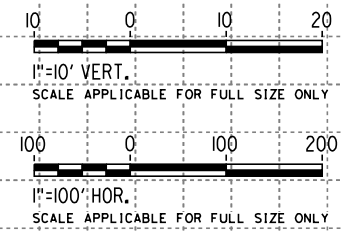
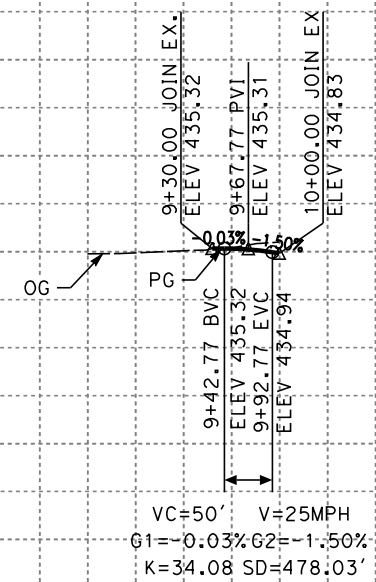
**PROFILE**  
**GLENDALE AVE UNDERPASS**  
 POSTED SPEED 35 MPH



**PROFILE**  
**SENECA AVE**  
 POSTED SPEED 25 MPH



**PROFILE**  
**VASSAR ST**  
 POSTED SPEED 25 MPH



NOT FOR CONSTRUCTION  
 FOR INTERNAL USE ONLY

STATION	8+00	9+00	10+00	11+00	12+00	13+00	14+00	6+00	7+00	8+00	9+00	10+00	11+00	12+00	TOTAL
Exc															
Emb															

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
 DRAWN BY  
**A. CORTEZ**  
 CHECKED BY  
**R. YU**  
 IN CHARGE  
**K. PIRBAZARI**  
 DATE  
**04/30/2019**

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



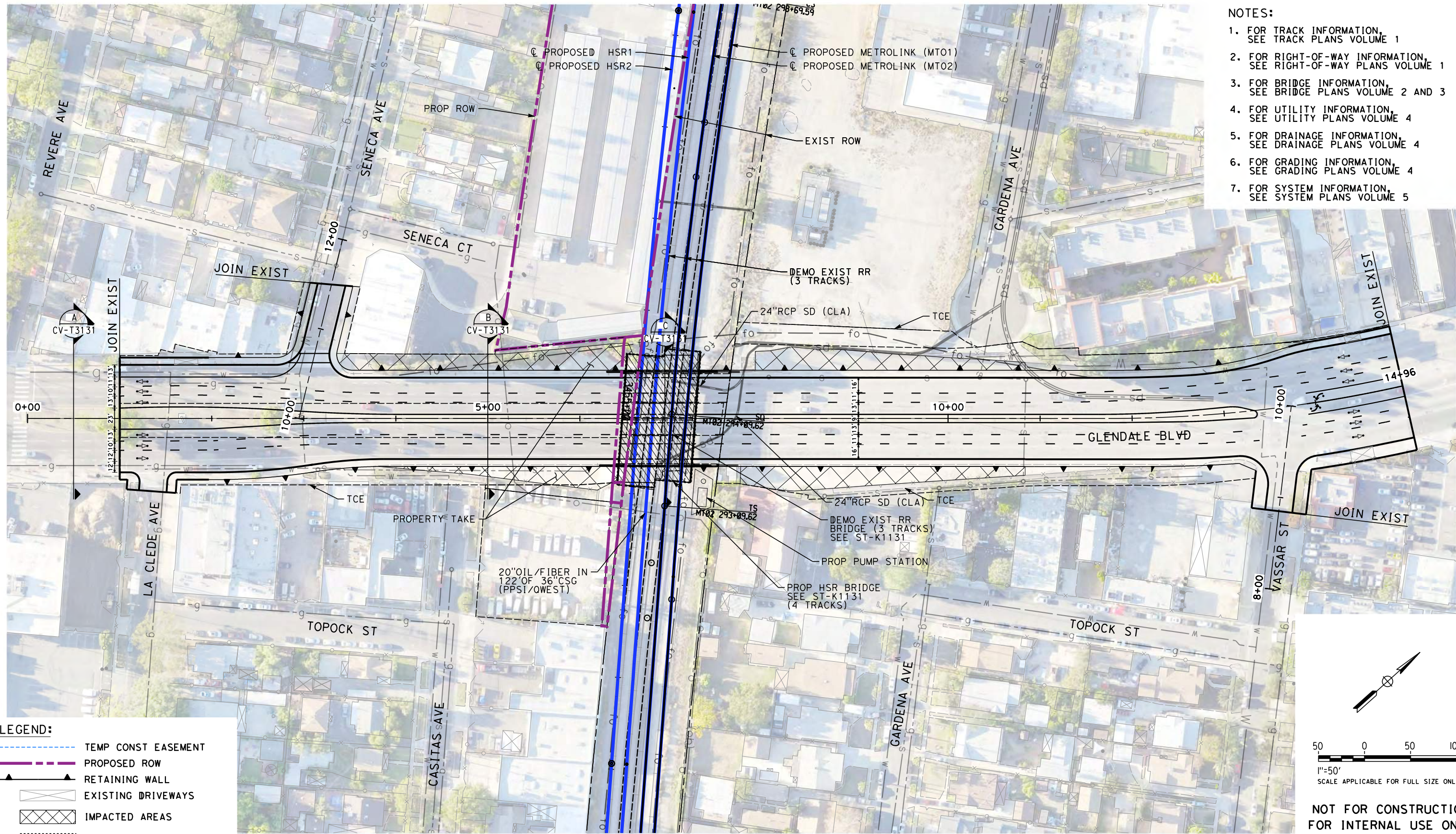
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**  
 PEPD  
 GRADE SEPARATION - GLENDALE BLVD UNDERPASS  
 PROFILE

CONTRACT NO.  
 HSR14-39  
 DRAWING NO.  
 CV-T1132  
 SCALE  
 AS SHOWN  
 SHEET NO.

4/30/2019 11:47:22 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t1132.dgn



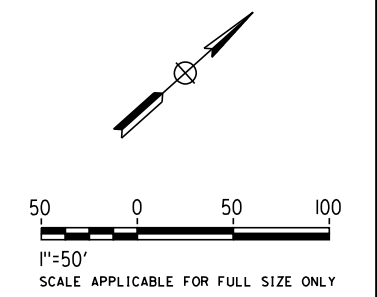
4/30/2019 11:48:31 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1133.dgn



- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

**LEGEND:**

- TEMP CONST EASEMENT
- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS
- PROPOSED STRUCTURE



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - GLENDALE BLVD UNDERPASS  
IMPACT PLAN

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1133

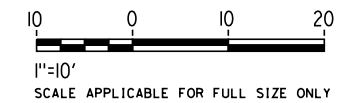
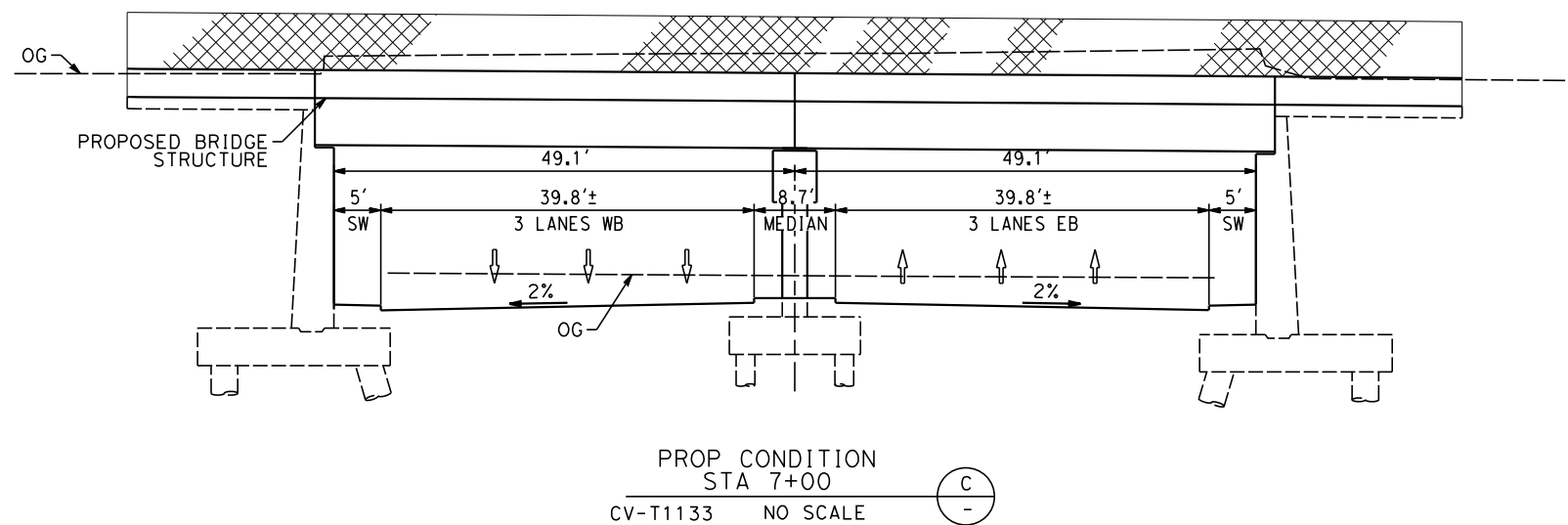
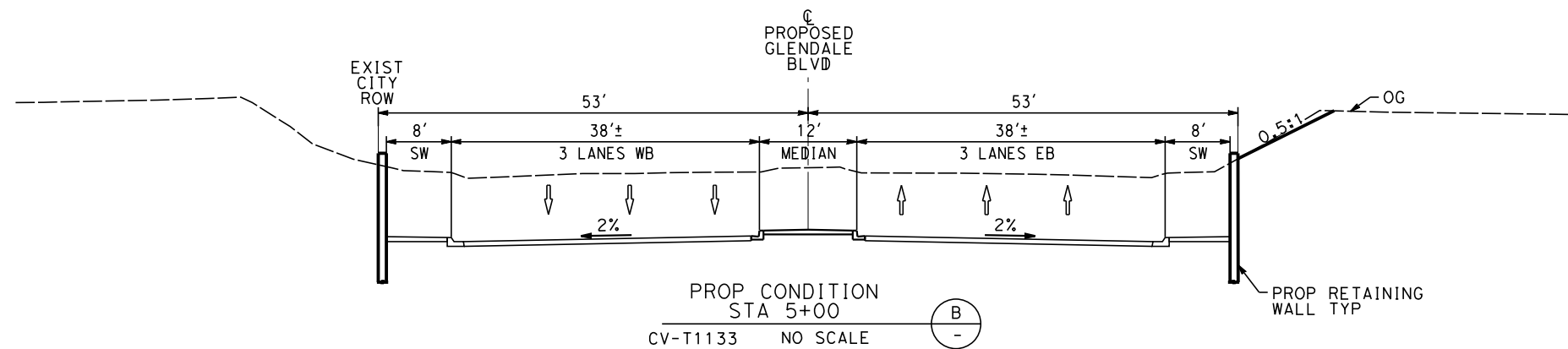
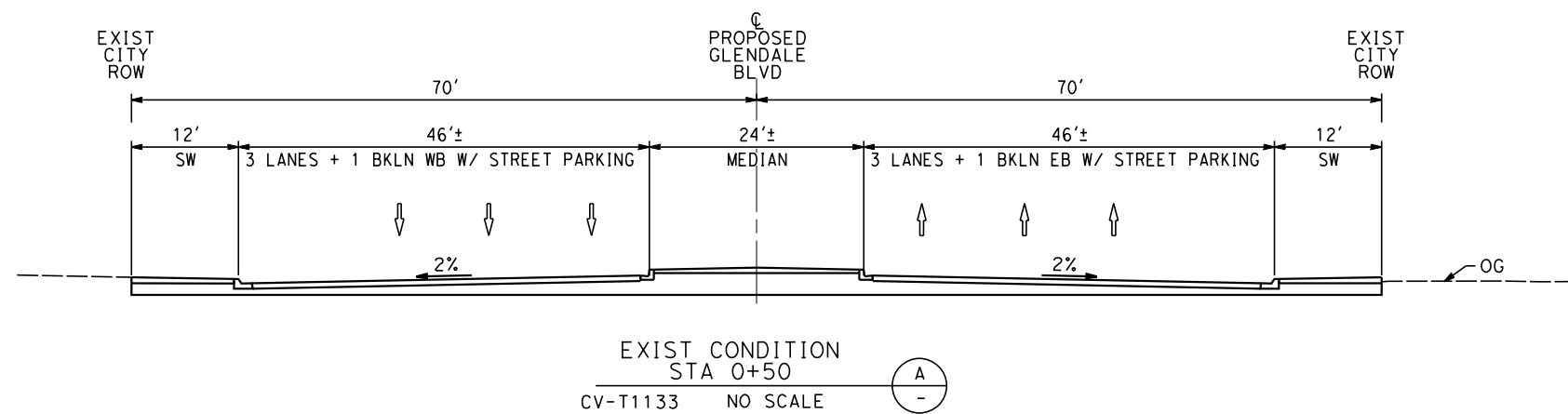
SCALE  
AS SHOWN

SHEET NO.



NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



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4/30/2019 11:48:43 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T3131.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE

DATE

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - GLENDALE BLVD UNDERPASS  
CROSS-SECTION

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T3131

SCALE  
AS SHOWN

SHEET NO.



**CONSTRUCTION STAGING NOTES:**

- 1 DEMOLISH 15' OF SOUTHERN PORTION OF THE EXISTING BRIDGE AND CONSTRUCT THE NEW SEGMENT WITH ONE TRACK FOR METROLINK TEMPORARY OPERATION.
- 2 DEMOLISH 28' OF THE SEGMENT OF EXISTING BRIDGE AND CONSTRUCT THE NEW SEGMENT FOR SECOND METROLINK TRACK TEMPORARY OPERATION.
- 3 DEMOLISH REMAINING EXISTING BRIDGE AND COMPLETE THE NEW BRIDGE FOR THE HSR AND METROLINK OPERATIONS.

**NOTES**

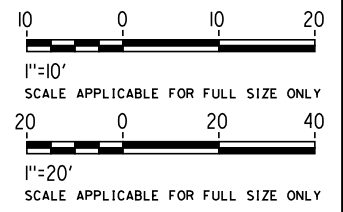
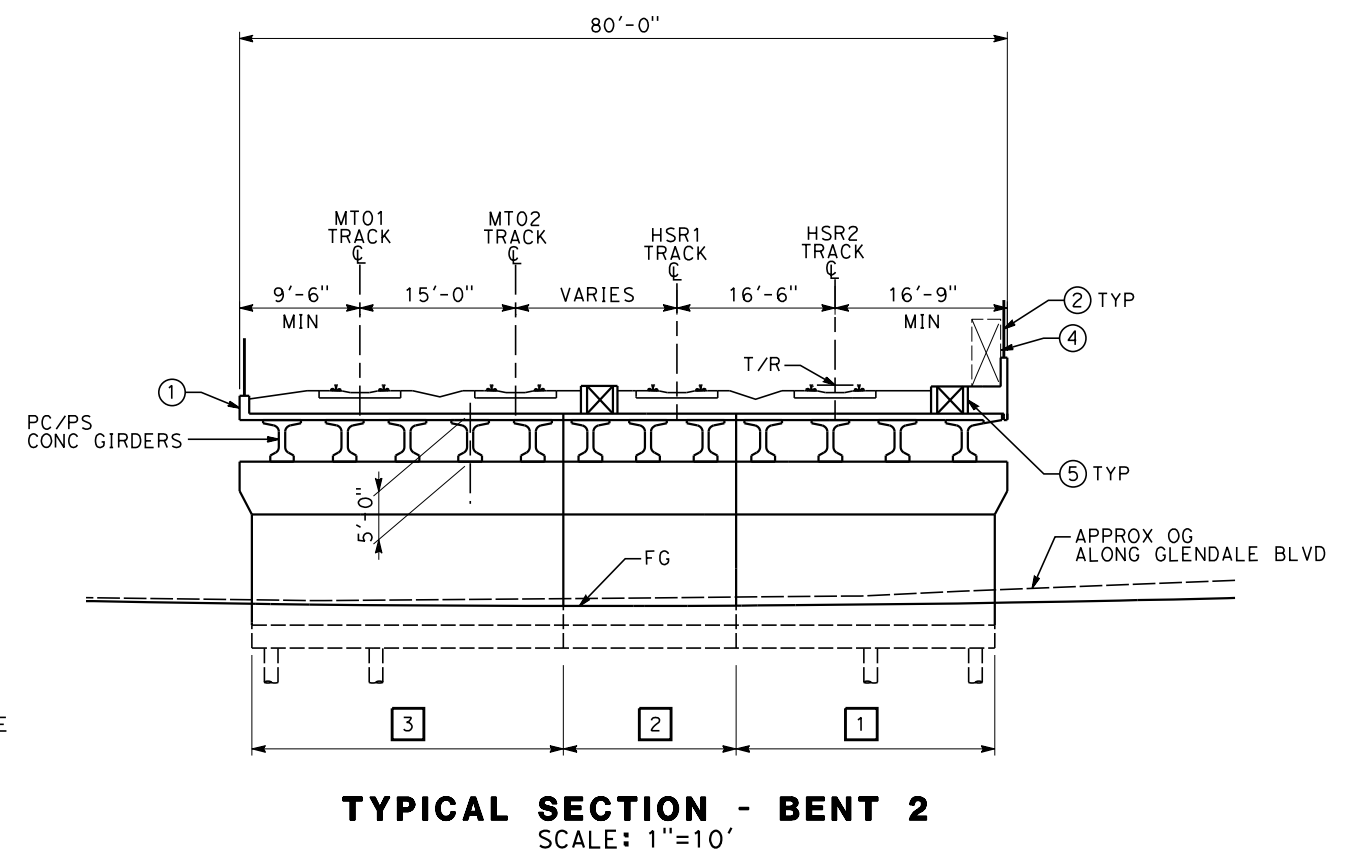
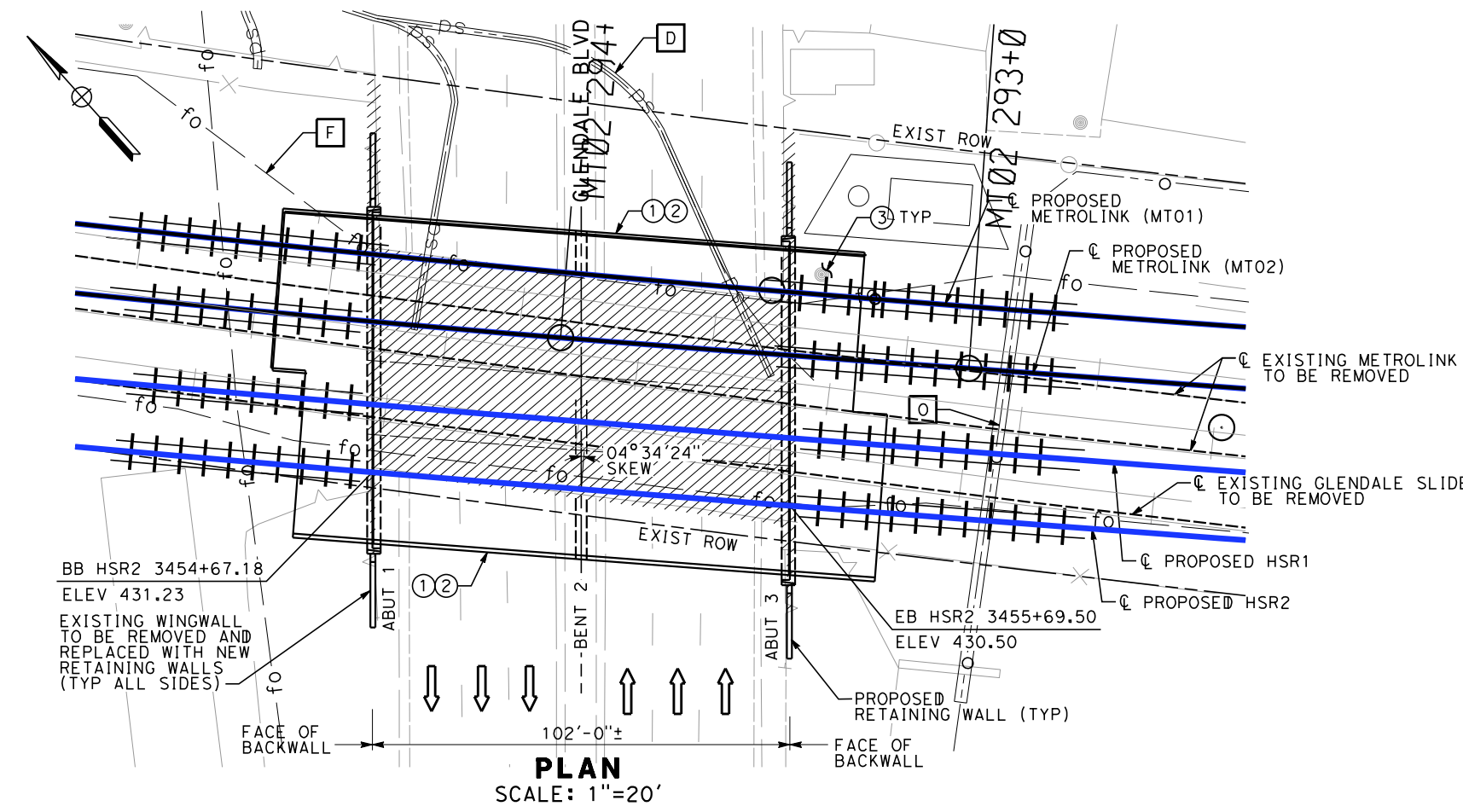
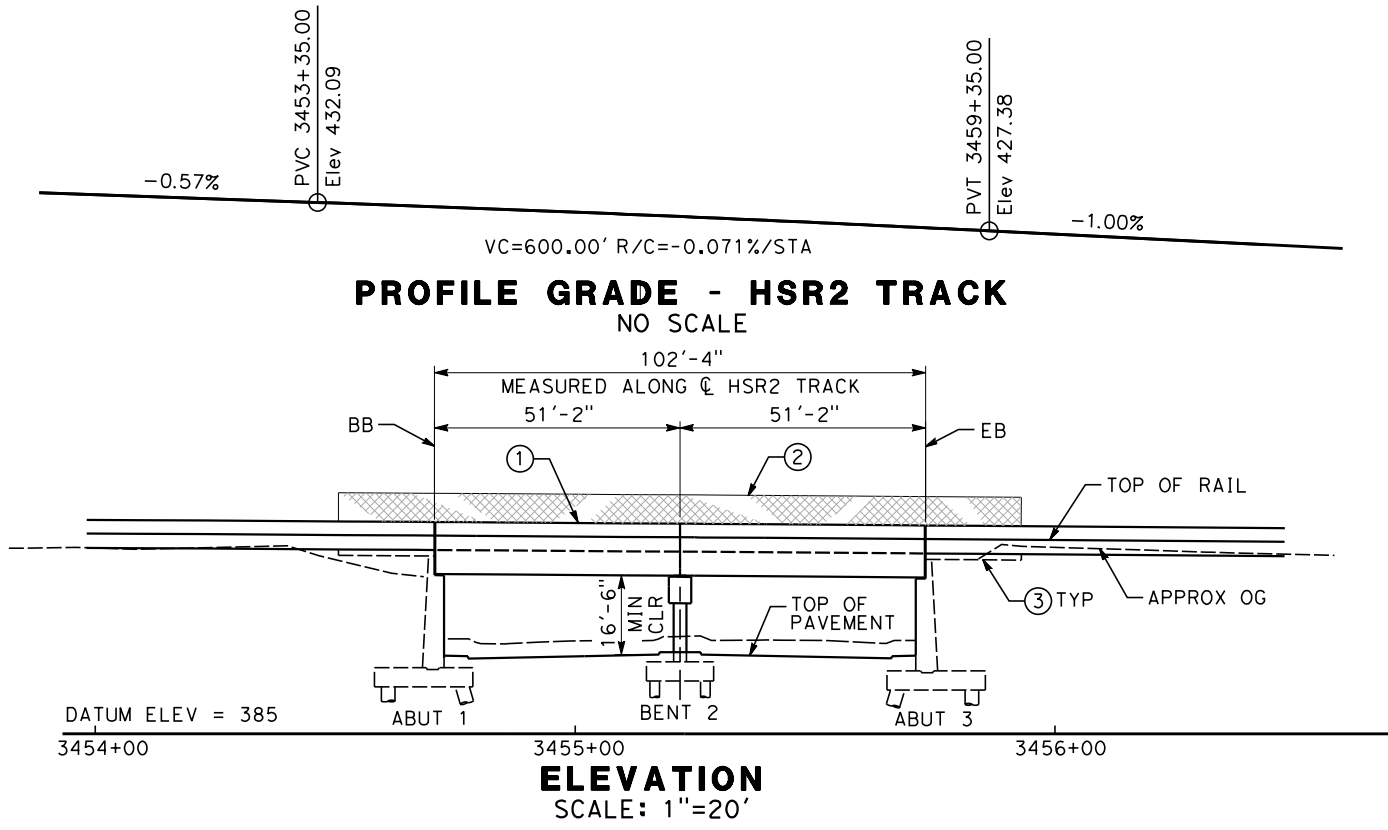
- 1 CONCRETE BARRIER
- 2 CHAIN LINK RAILING
- 3 STRUCTURE APPROACH SLAB
- 4 WALKWAY (3'-0" WIDE)
- 5 CABLE DUCT

**EXISTING UTILITIES**

- F FIBER OPTIC (RELOCATE)
- O OIL PIPE
- D STORM DRAIN (RELOCATE)

**LEGEND**

- ➔ INDICATES DIRECTION OF TRAFFIC
- ▤▤▤▤ INDICATES PROPOSED METROLINK AND HST TRACKS
- ▨▨▨▨ INDICATES EXISTING BRIDGE TO BE REMOVED



NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY

4/30/2019 11:49:04 AM c:\j\p\pwworkdir\haynesma\d0137172\k2l-st-k1131.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**

DRAWN BY  
**P. ZUCCHI**

CHECKED BY  
**M. PONCE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - GLENDALE BLVD UNDERPASS  
GENERAL PLAN SHEET 1 OF 1

CONTRACT NO.  
HSR14-39

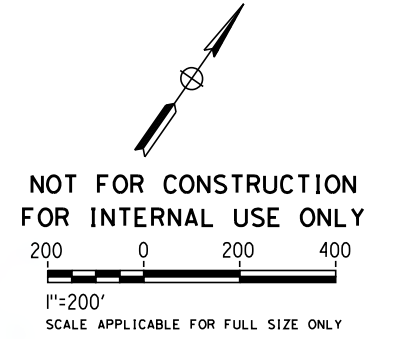
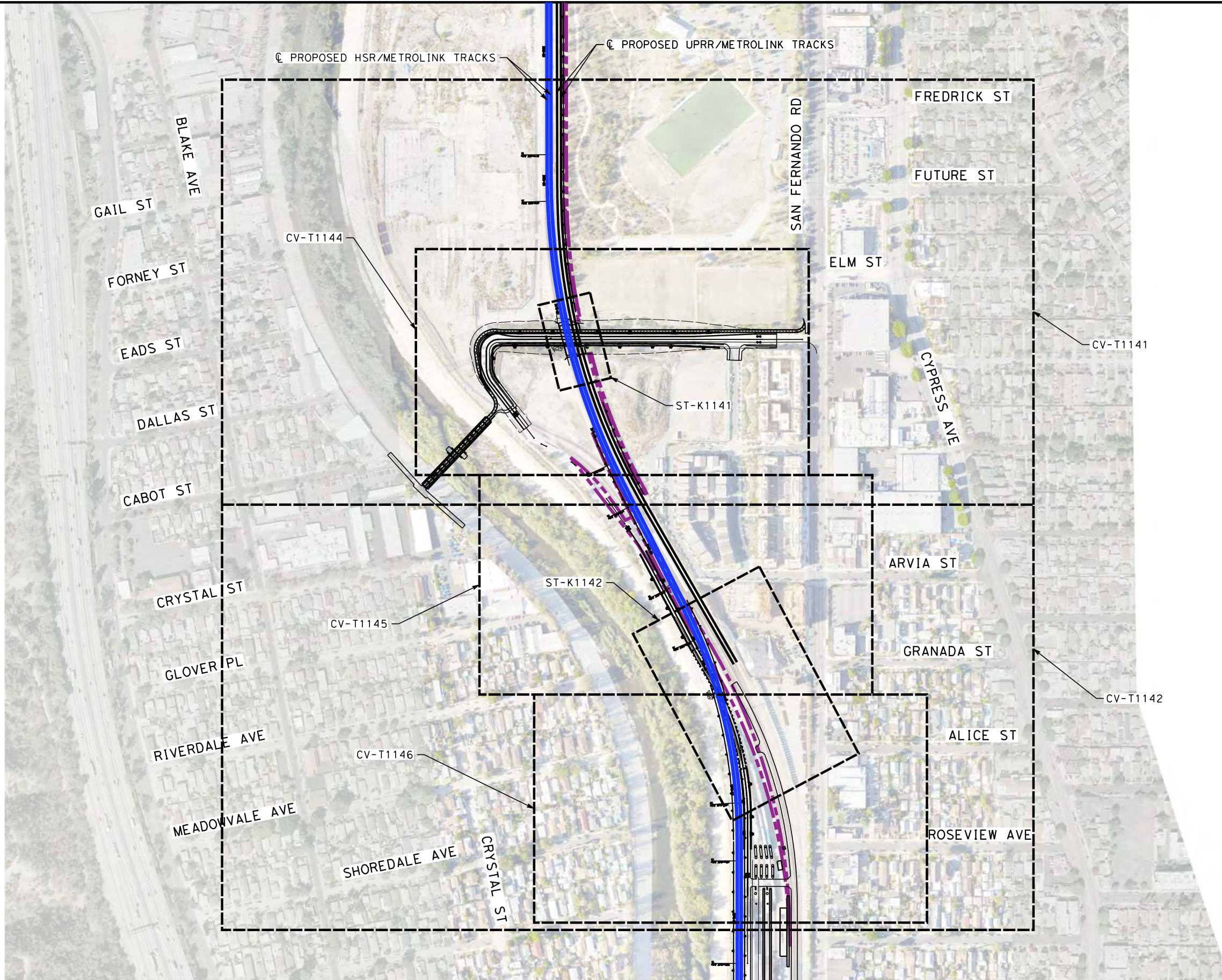
DRAWING NO.  
ST-K1131

SCALE  
AS SHOWN

SHEET NO.



4/30/2019 11:49:58 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t0141.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - KERR ROAD (CMF ACCESS) UNDERPASS  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T0141  
SCALE  
AS SHOWN  
SHEET NO.



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

**LINE DATA**

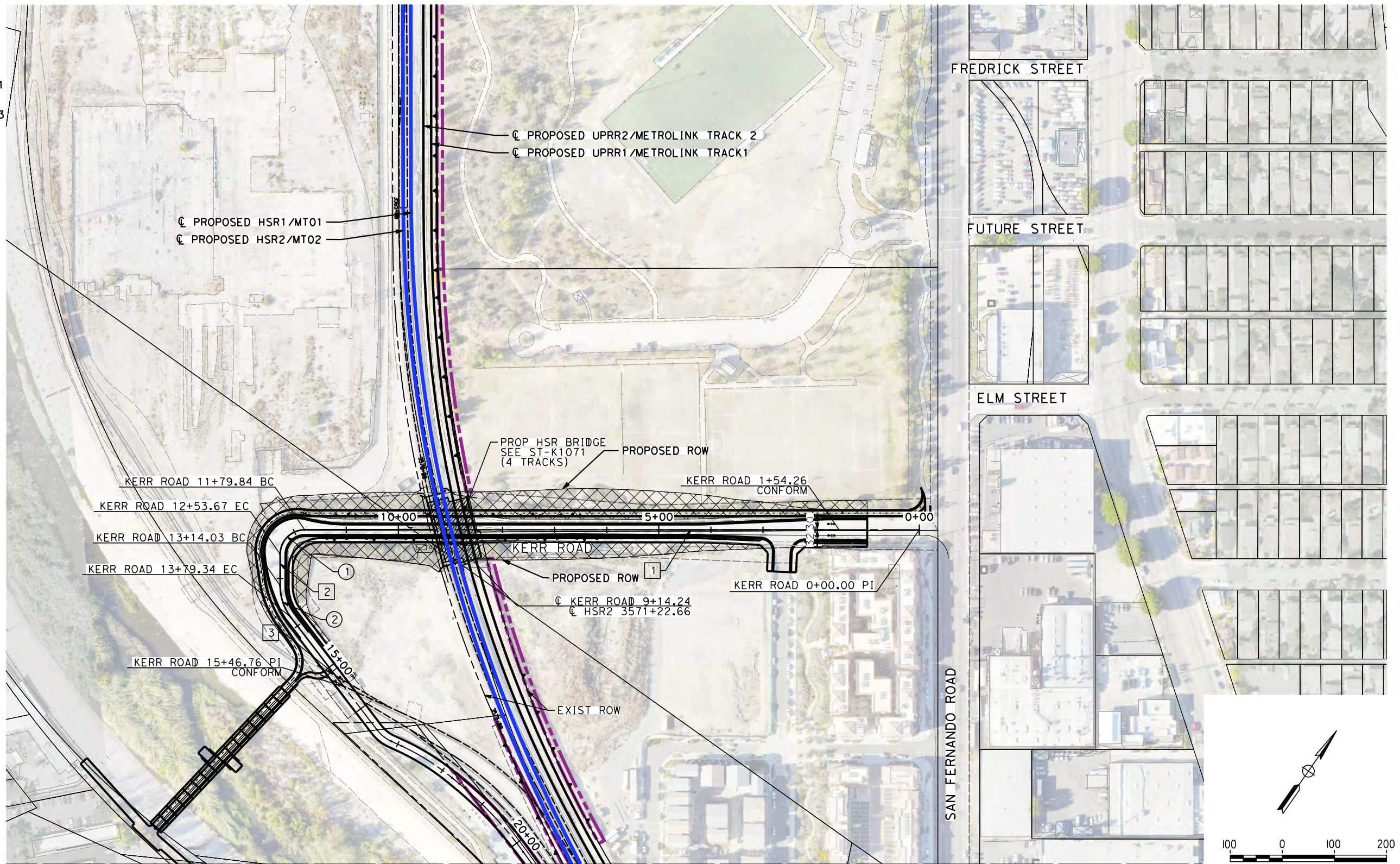
NO	BEARING	DISTANCE
1	S55°10'38"W	1179.84'
2	S34°49'34"E	60.36'
3	S70°39'57"E	120.13'
4	S62°48'96"E	397.24'
5	S34°48'06"E	566.07'

**CURVE DATA**

NO	R	Δ	T	L
①	47.00'	90°00'11"	47.00'	73.83'
②	100.00'	37°25'15"	33.87'	65.31'
③	1100.00'	07°50'58"	75.47'	150.70'
④	2600.00'	02°51'59"	65.05'	130.08'
⑤	1100.00'	30°52'52"	303.83'	592.88'

**LEGEND:**

- TEMP CONST EASEMENT
- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS
- PROPOSED STRUCTURE



MATCH LINE - STA 20+50.00  
SEE DRAWING NO. CV-T1142

**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

4/30/2019 11:51:09 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1141.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - KERR ROAD (CMF ACCESS) UNDERPASS  
PLAN SHEET 1 OF 2

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1141  
SCALE  
AS SHOWN  
SHEET NO.



MATCH LINE - STA 20+50.00  
SEE DRAWING NO. CV-T1141

**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

**LINE DATA**

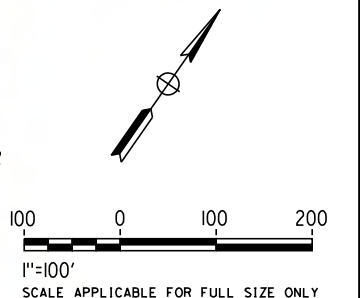
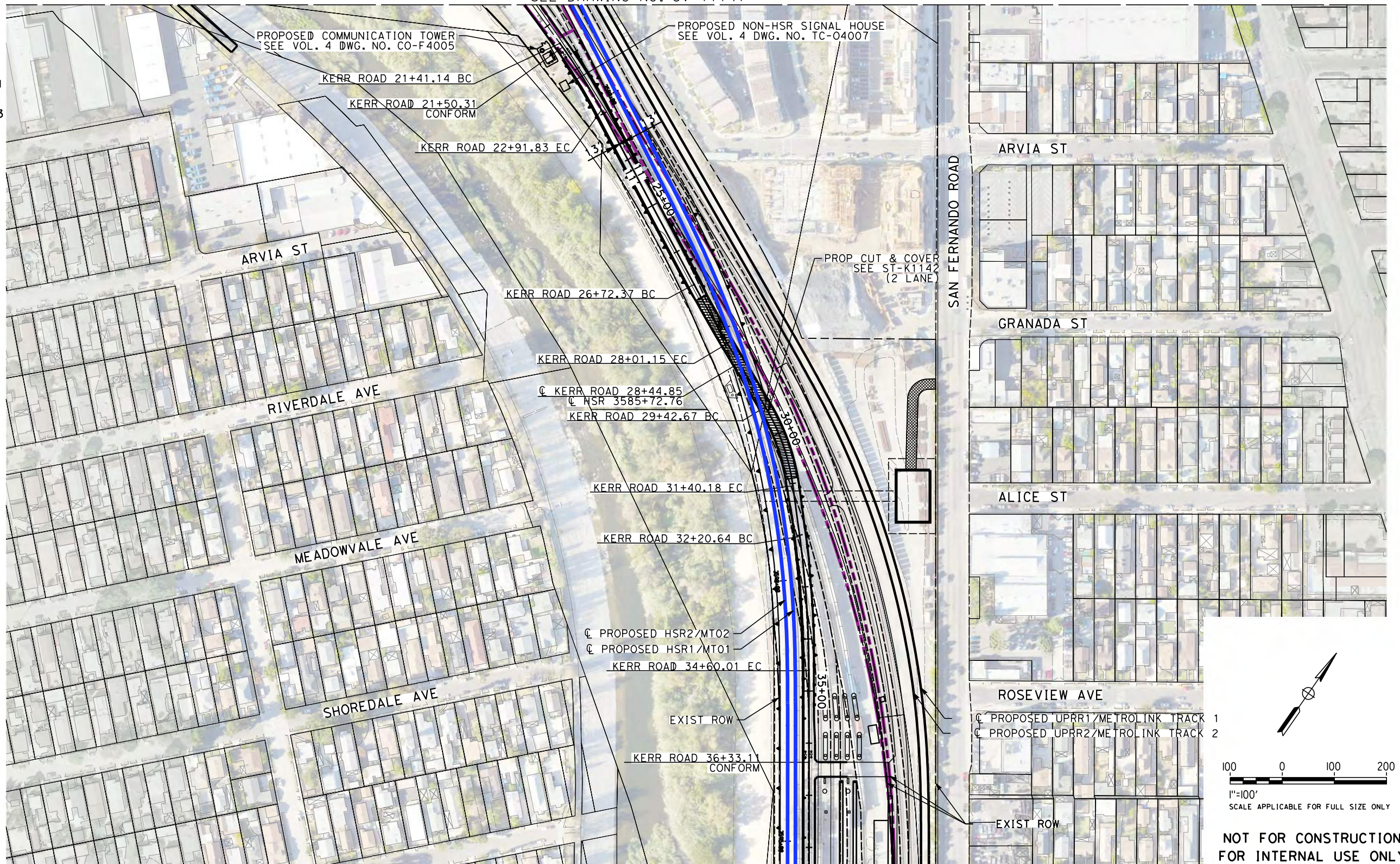
NO	BEARING	DISTANCE
1	S55°10'38"W	1179.84'
2	S34°49'34"E	60.36'
3	S70°39'57"E	120.13'
4	S62°48'96"E	397.24'
5	S34°48'06"E	566.07'

**CURVE DATA**

NO	R	Δ	T	L
①	47.00'	90°00'11"	47.00'	73.83'
②	100.00'	37°25'15"	33.87'	65.31'
③	1100.00'	07°50'58"	75.47'	150.70'
④	2600.00'	02°51'59"	65.05'	130.08'
⑤	1100.00'	30°52'52"	303.83'	592.88'

**LEGEND:**

- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS
- PROPOSED STRUCTURE



**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

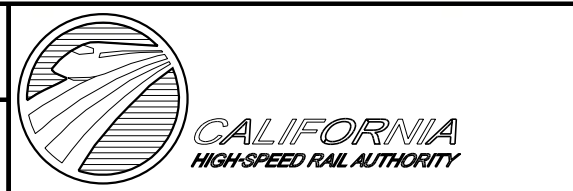
4/30/2019 11:52:17 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t1142.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



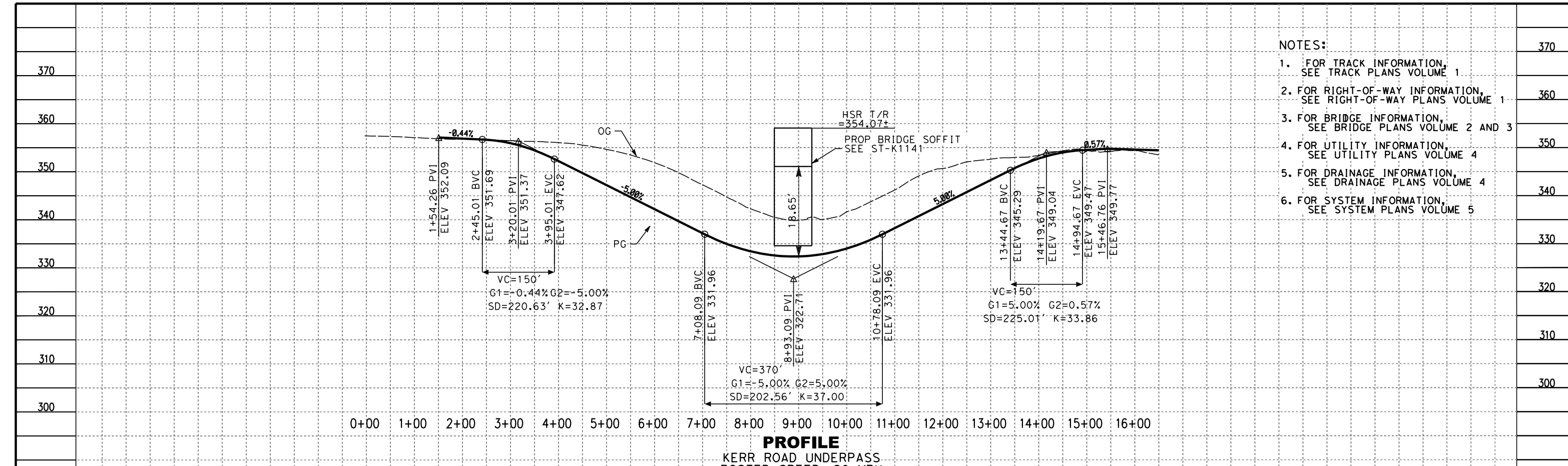
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - CMF ACCESS UNDERPASS  
PLAN SHEET 2 OF 2

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1142  
SCALE  
AS SHOWN  
SHEET NO.

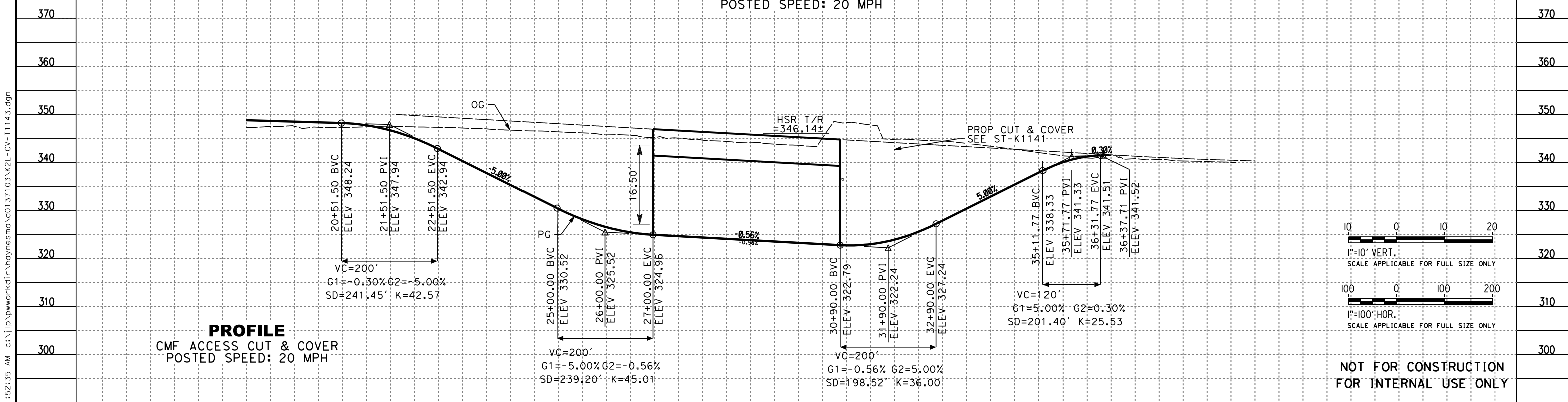


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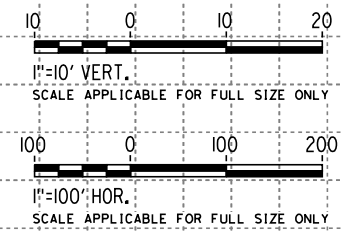


**PROFILE**  
KERR ROAD UNDERPASS  
POSTED SPEED: 20 MPH

- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**PROFILE**  
CMF ACCESS CUT & COVER  
POSTED SPEED: 20 MPH



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FOR INTERNAL USE ONLY**

STATION	21+00	22+00	23+00	24+00	25+00	26+00	27+00	28+00	29+00	30+00	31+00	32+00	33+00	34+00	35+00	36+00	37+00	38+00	39+00	TOTAL	
Exc																					
Emb																					

DESIGNED BY <b>C. LEE</b>	<p><b>PEPD RECORD SET</b></p> <p><b>NOT FOR CONSTRUCTION</b></p>				<p><b>CALIFORNIA HIGH-SPEED TRAIN PROJECT</b> <b>BURBANK TO LOS ANGELES</b></p> <p>PEPD GRADE SEPARATION - KERR ROAD/CMF ACCESS UNDERPASS PROFILE</p>	<p>CONTRACT NO. HSR14-39</p> <p>DRAWING NO. CV-T1143</p> <p>SCALE AS SHOWN</p> <p>SHEET NO.</p>
DRAWN BY <b>A. CORTEZ</b>						
CHECKED BY <b>R. YU</b>						
IN CHARGE <b>K. PIRBAZARI</b>						
DATE <b>04/30/2019</b>						
REV	DATE	BY	CHK	APP	DESCRIPTION	

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - KERR ROAD/CMF ACCESS UNDERPASS  
PROFILE

CONTRACT NO.  
HSR14-39

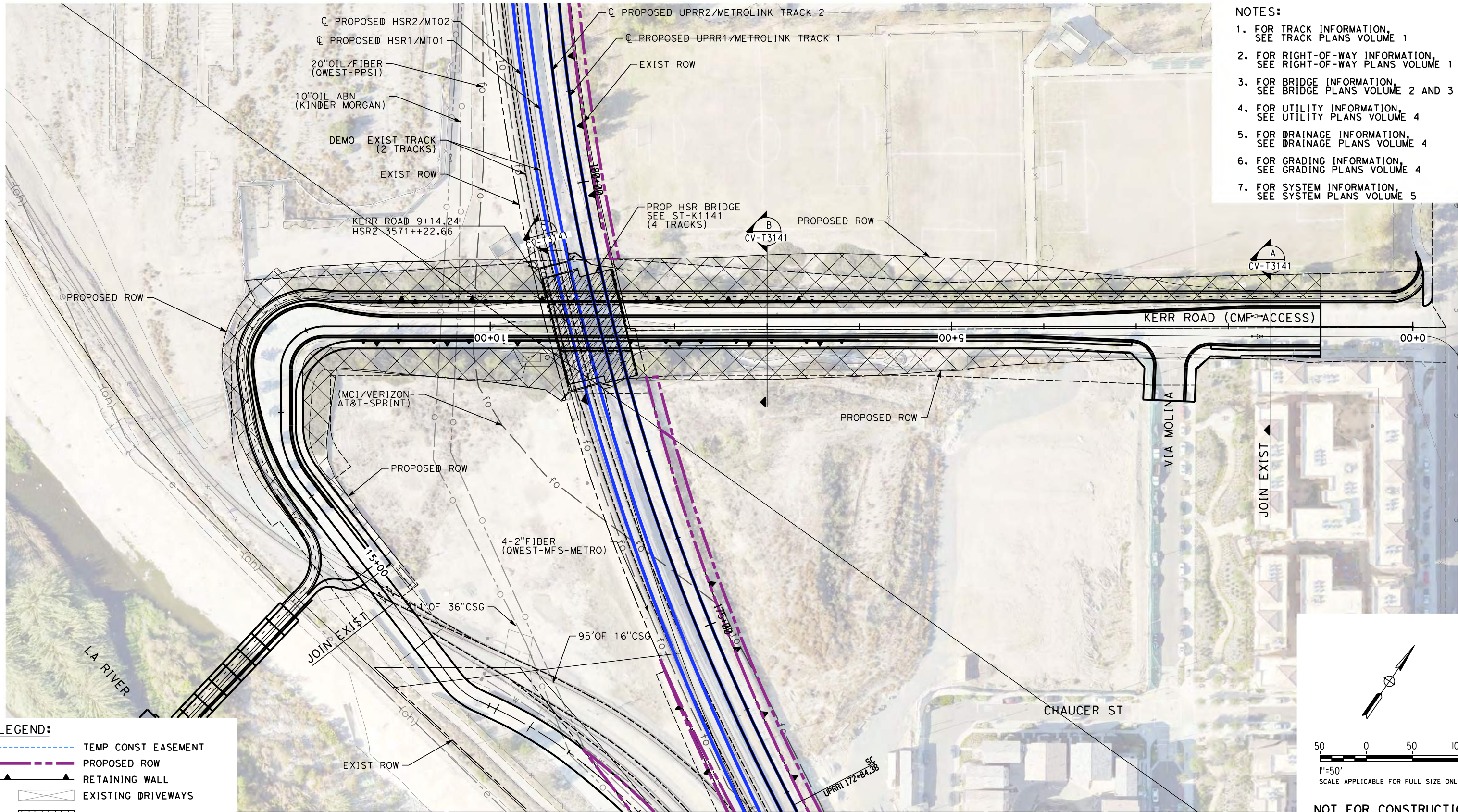
DRAWING NO.  
CV-T1143

SCALE  
AS SHOWN

SHEET NO.



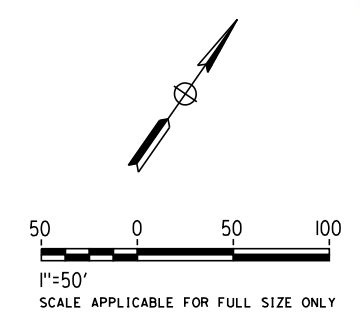
5/2/2019 6:59:37 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1144.dgn



- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

**LEGEND:**

	TEMP CONST EASEMENT
	PROPOSED ROW
	RETAINING WALL
	EXISTING DRIVEWAYS
	IMPACTED AREAS
	PROPOSED STRUCTURE



MATCH LINE: STA 19+00  
SEE DRAWING NO. CV-T1145

**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - KERR ROAD (CMF ACCESS) UNDERPASS  
IMPACT PLAN SHEET 1 OF 3

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1144

SCALE  
AS SHOWN

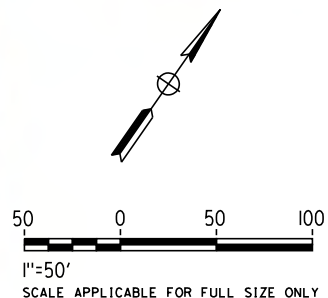
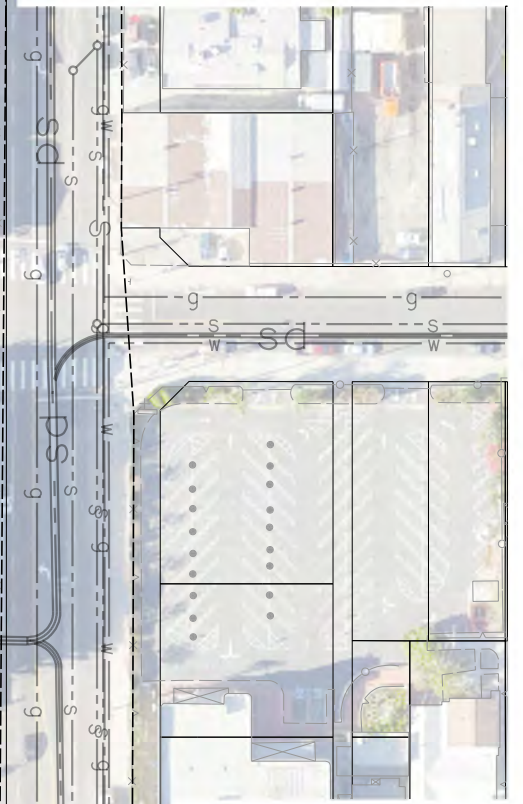
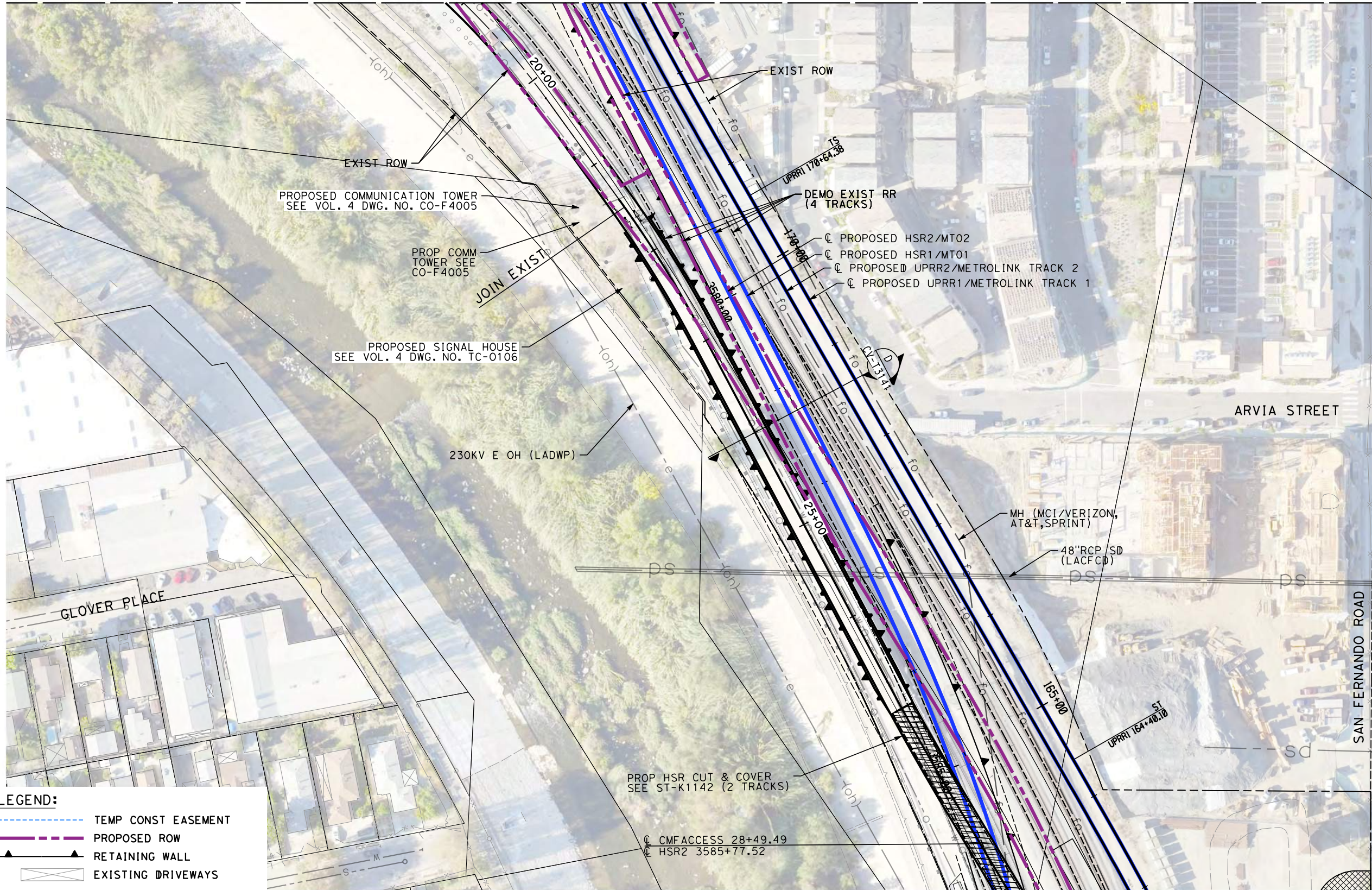
SHEET NO.



MATCH LINE: STA 19+00.00  
SEE DRAWING NO. CV-T1144

**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**LEGEND:**

- TEMP CONST EASEMENT
- PROPOSED ROW
- ▲ RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS
- PROPOSED STRUCTURE

MATCH LINE: STA 29+00.00  
SEE DRAWING NO. CV-T1146

**NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY**

5/2/2019 7:00:17 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1145.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - CMF ACCESS UNDERPASS  
IMPACT PLAN SHEET 2 OF 3

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1145

SCALE  
AS SHOWN

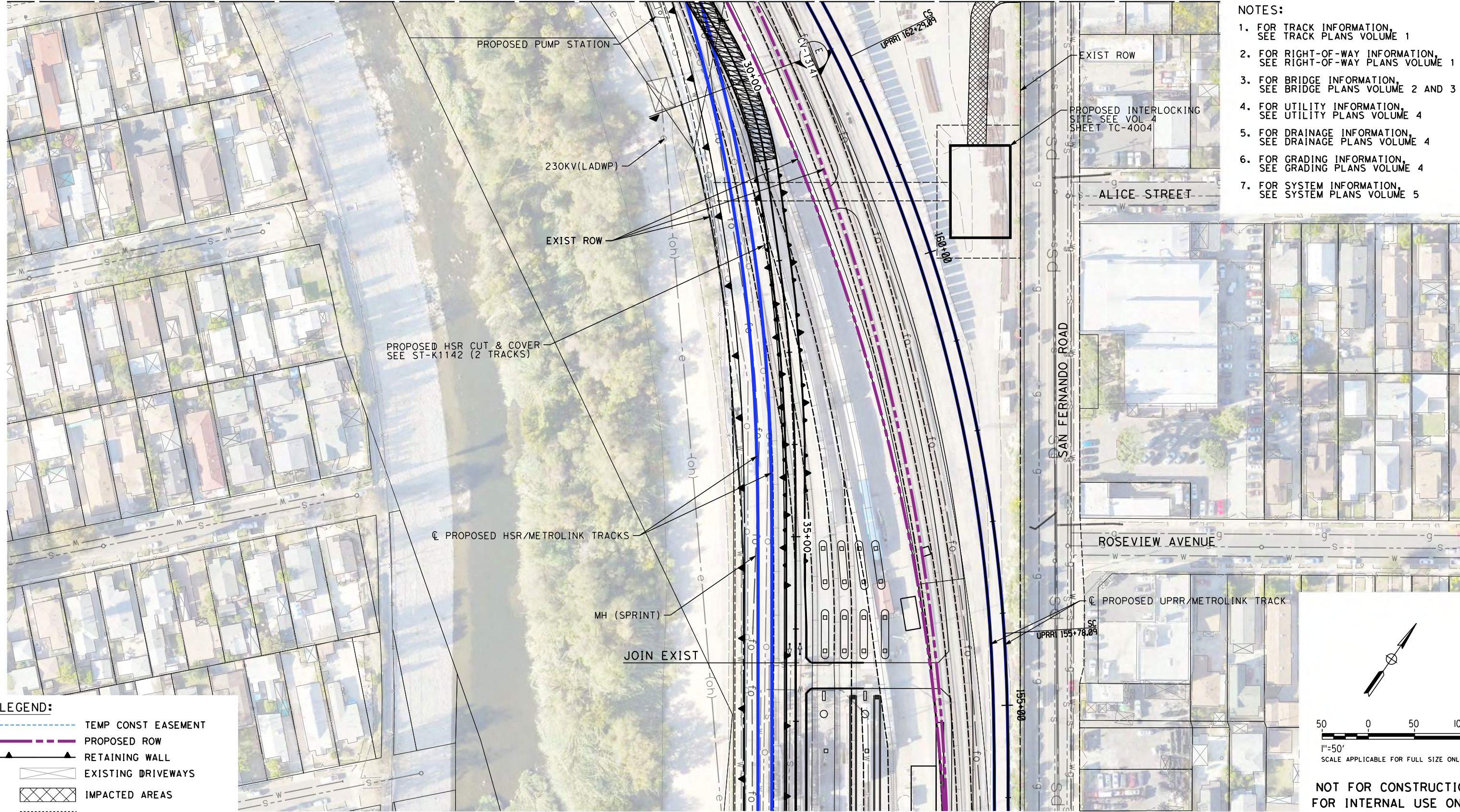
SHEET NO.



MATCH LINE: STA 29+00.00  
SEE DRAWING NO. CV-T1075

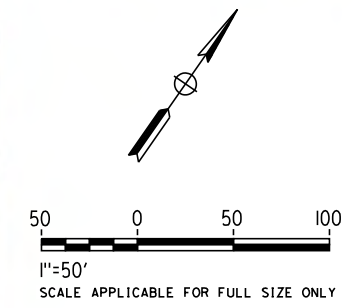
NOTES:

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**LEGEND:**

	TEMP CONST EASEMENT
	PROPOSED ROW
	RETAINING WALL
	EXISTING DRIVEWAYS
	IMPACTED AREAS
	PROPOSED STRUCTURE



NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY

5/2/2019 7:00:54 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t1146.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - CMF ACCESS UNDERPASS  
IMPACT PLAN SHEET 3 OF 3

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1146

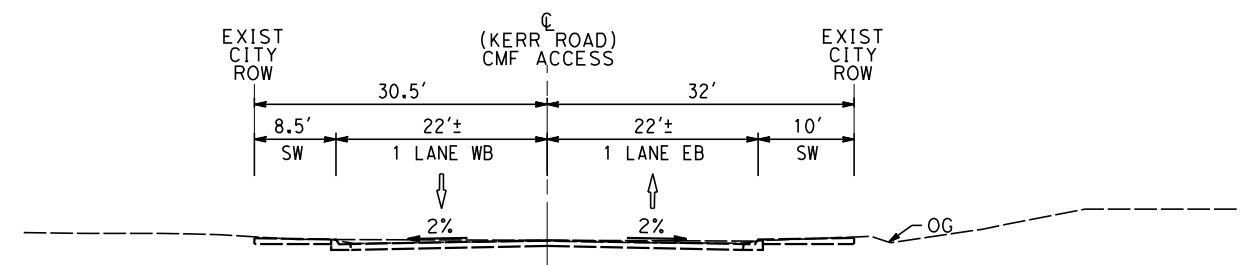
SCALE  
AS SHOWN

SHEET NO.

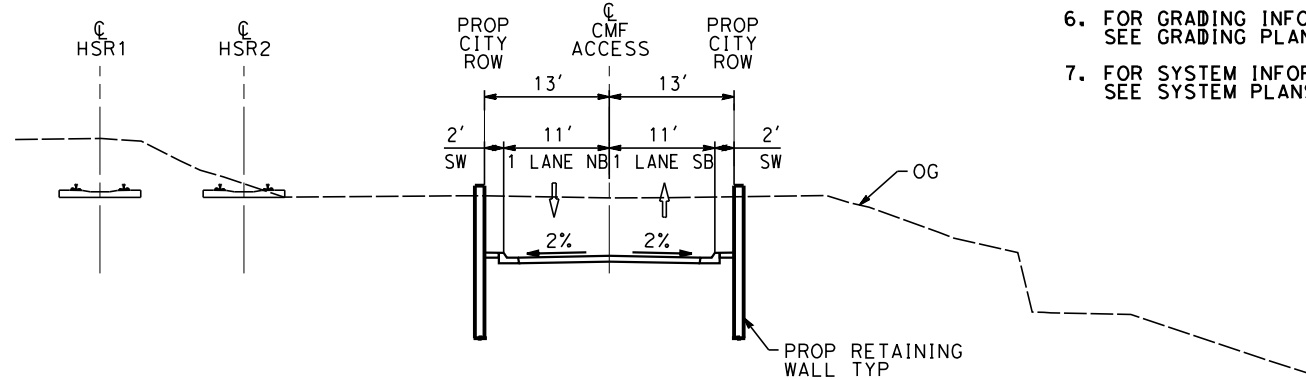


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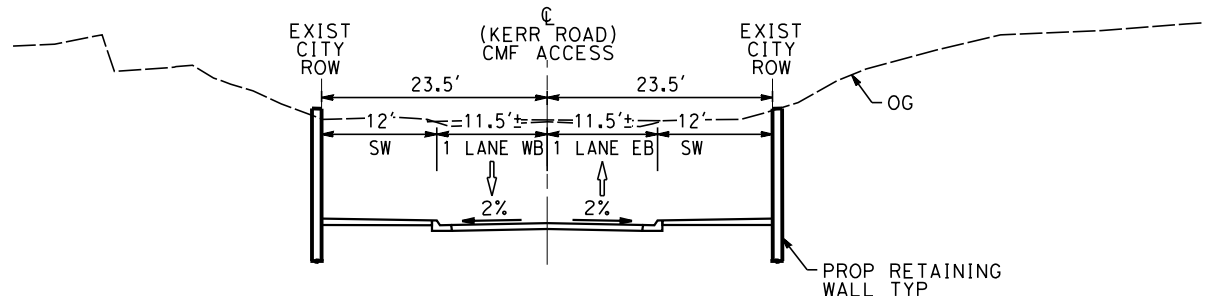
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



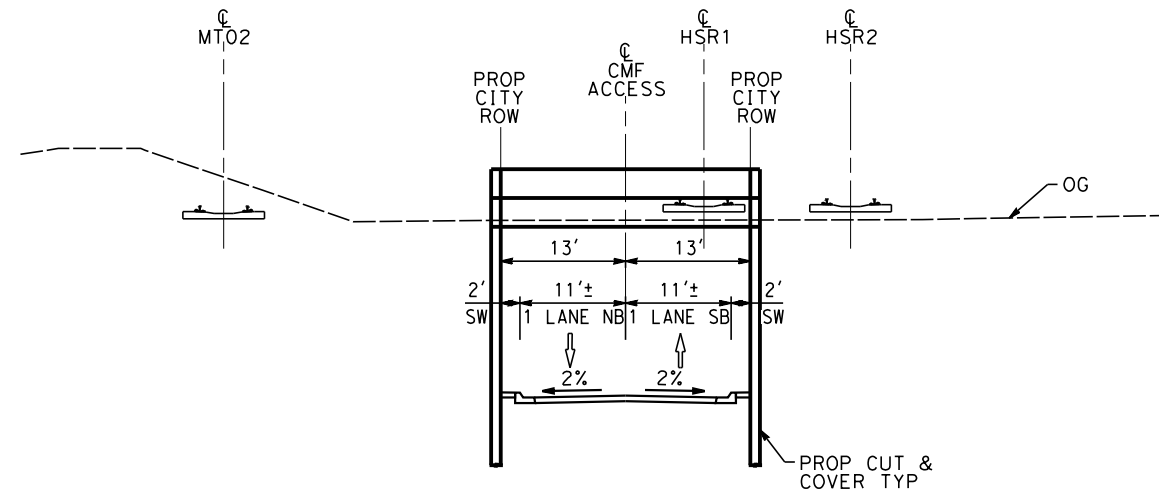
EXIST CONDITION  
STA 1+54  
CV-T1144 NO SCALE (A)



PROP CONDITION  
STA 24+00  
CV-T1145 NO SCALE (D)

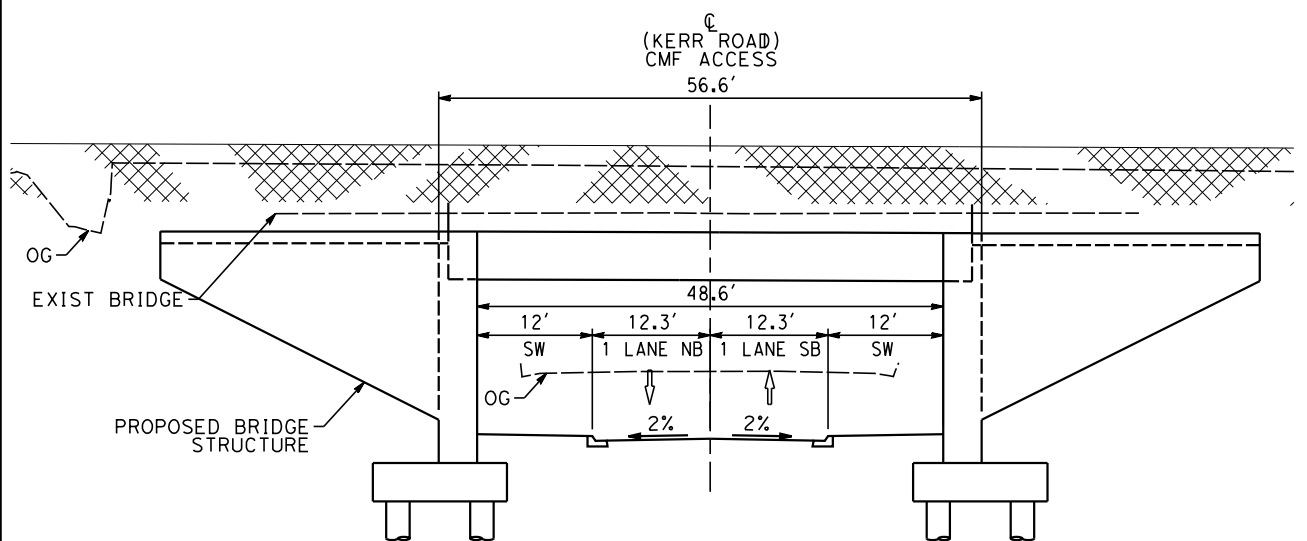


PROP CONDITION  
STA 7+00  
CV-T1144 NO SCALE (B)

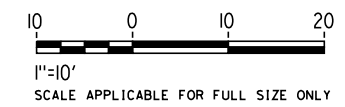


PROP CONDITION  
STA 30+00  
CV-T1145 NO SCALE (E)

4/30/2019 11:55:54 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-k2l-cv-t3141.dgn



PROP CONDITION  
STA 9+00  
CV-T1144 NO SCALE (C)



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

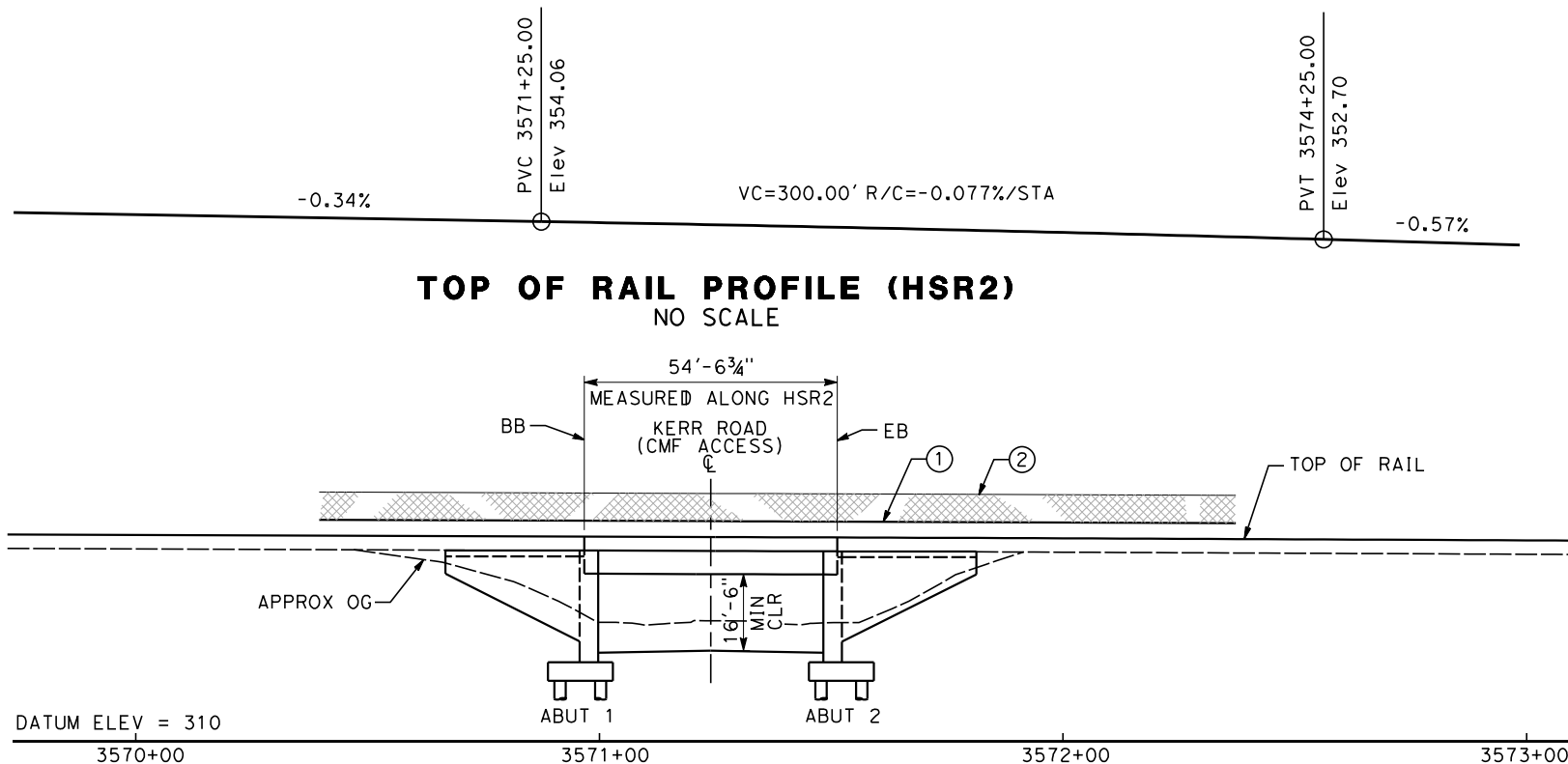
**PEPD  
RECORD SET**  
  
**NOT FOR  
CONSTRUCTION**



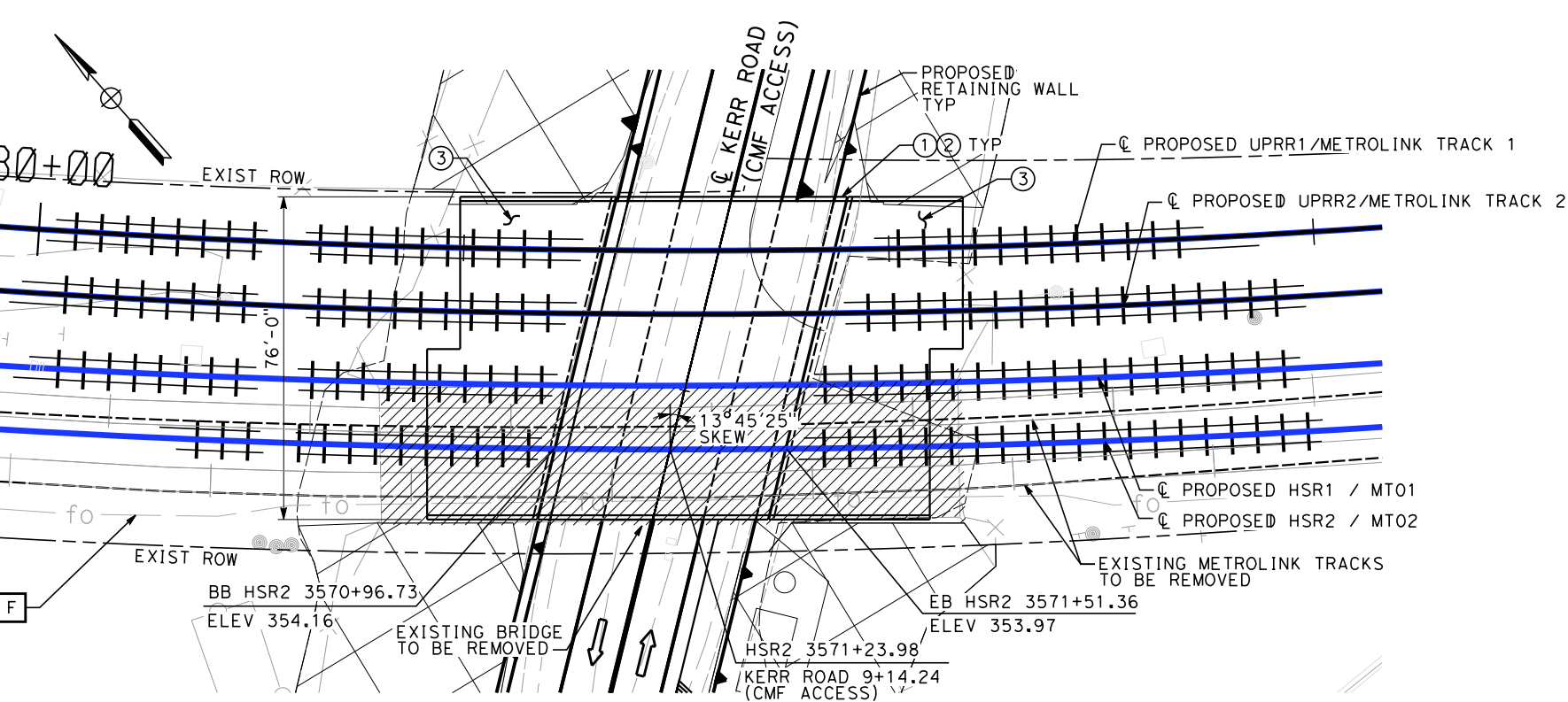
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - CMF ACCESS UNDERPASS  
CROSS-SECTION

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T3141  
SCALE  
AS SHOWN  
SHEET NO.





**ELEVATION**  
SCALE: 1"=20'



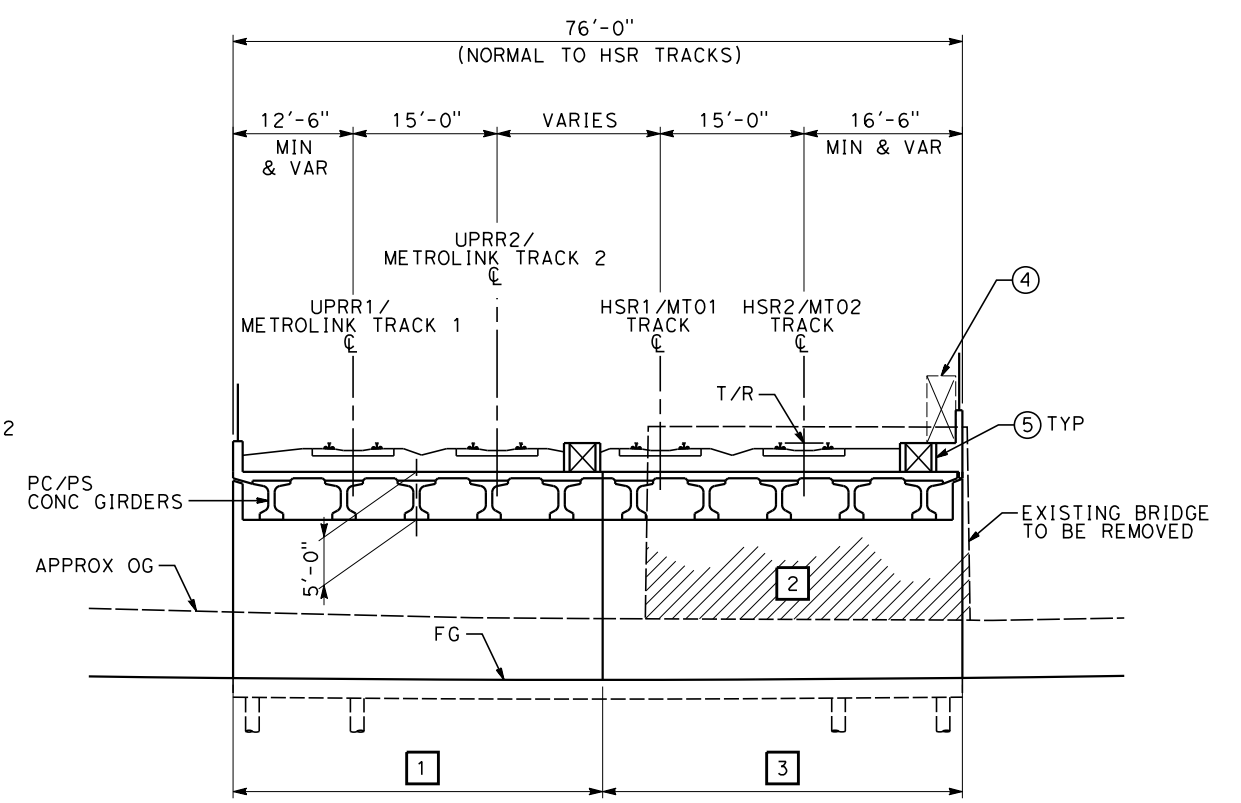
**PLAN**  
SCALE: 1"=20'

**EXISTING UTILITIES**  
F FIBER OPTIC

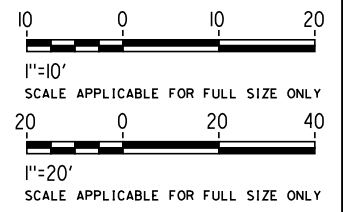
- NOTES**
- ① BARRIER
  - ② CHAIN LINK RAILING
  - ③ STRUCTURE APPROACH SLAB
  - ④ WALKWAY (3'-0" WIDE)
  - ⑤ CABLE DUCT

- LEGEND**
- ➔ INDICATES DIRECTION OF TRAFFIC
  - |||| INDICATES RAILROAD AND HSR TRACKS
  - ▨ INDICATES BRIDGE REMOVAL

- CONSTRUCTION STAGING NOTES:**
- 1 CONSTRUCT 40'-0" PORTION OF PROPOSED BRIDGE
  - 2 REMOVE EXISTING BRIDGE
  - 3 CONSTRUCT REMAINING PORTION OF BRIDGE



**ELEVATION - ABUTMENT 2**  
SCALE: 1"=10'



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FOR INTERNAL USE ONLY

5/2/2019 7:02:31 AM c:\j\p\pwworkdir\haynesma\d0137172\k2l-st-k1141.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**

DRAWN BY  
**P. ZUCCHI**

CHECKED BY  
**M. PONCE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - KERR ROAD (CMF ACCESS) UNDERPASS  
GENERAL PLAN - SHEET 1 OF 1

CONTRACT NO.  
HSR14-39

DRAWING NO.  
ST-K1141

SCALE  
AS SHOWN

SHEET NO.



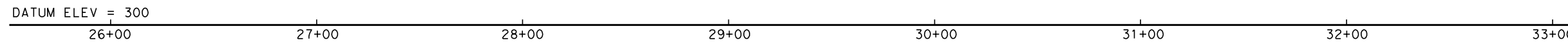
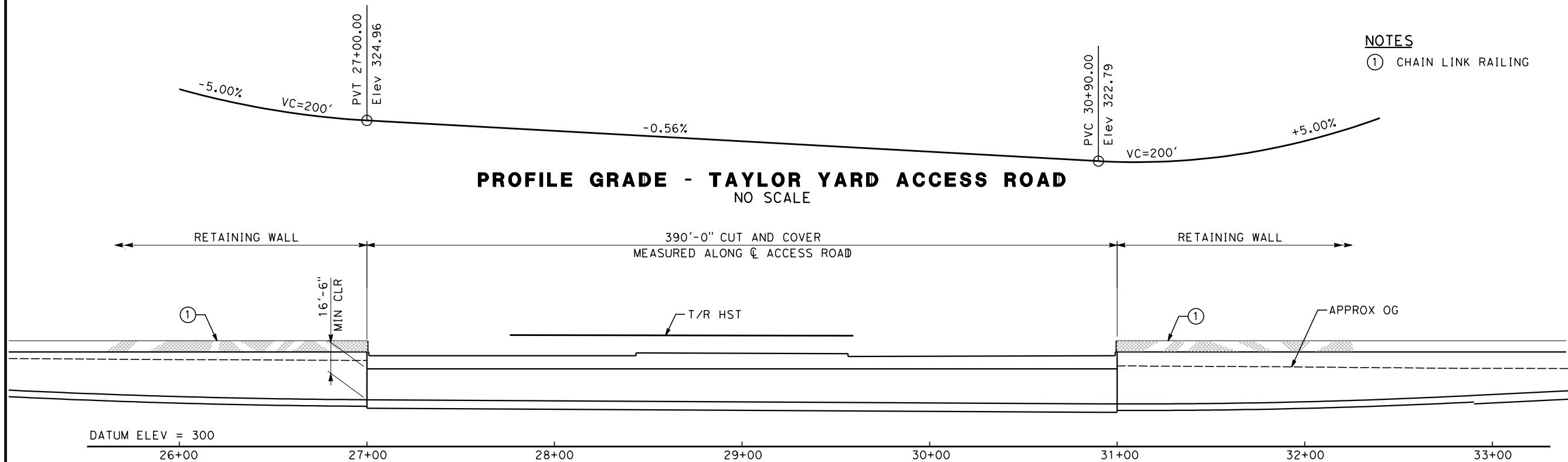
**PROFILE GRADE - TAYLOR YARD ACCESS ROAD**  
NO SCALE

**NOTES**

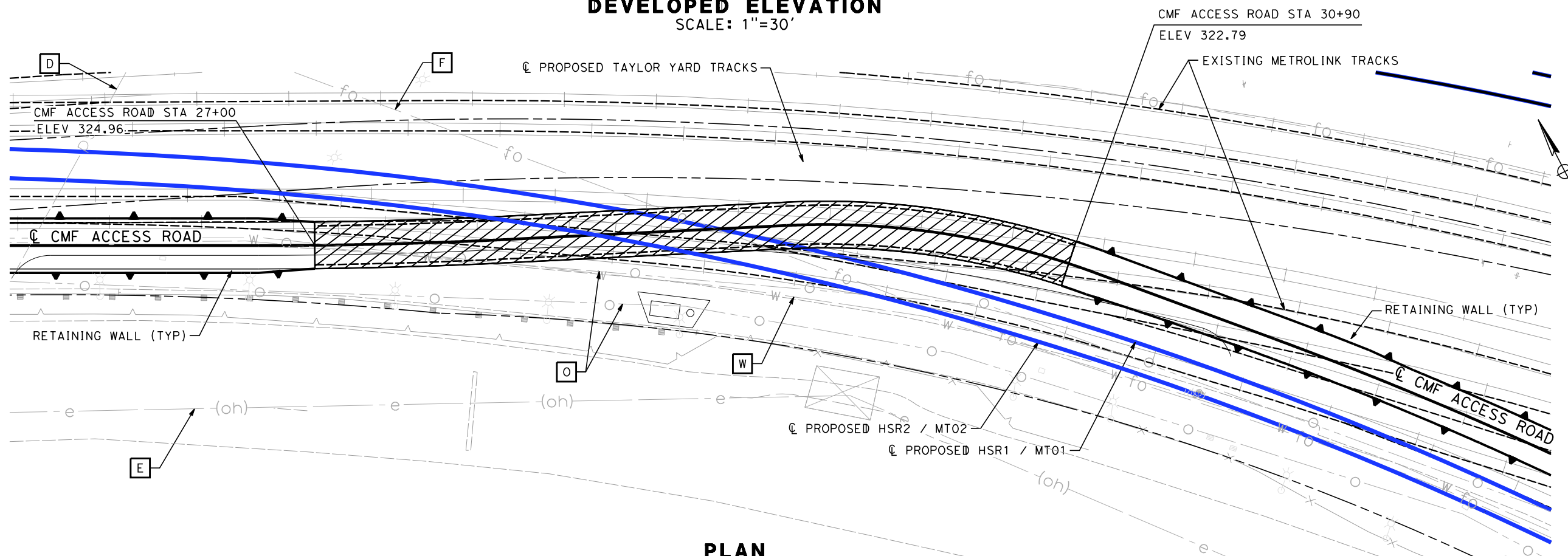
① CHAIN LINK RAILING

**EXISTING UTILITIES**

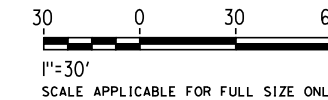
- E ELECTRIC CABLE (OH)
- F FIBER OPTIC
- G GAS
- O OIL
- D STORM DRAIN
- W WATER



**DEVELOPED ELEVATION**  
SCALE: 1"=30'



**PLAN**  
SCALE: 1"=30'



5/2/2019 7:02:43 AM c:\jip\pwworkdir\haynesma\d0137172\k2l-st-k1142.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**  
DRAWN BY  
**P. ZUCCHI**  
CHECKED BY  
**M. PONCE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

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

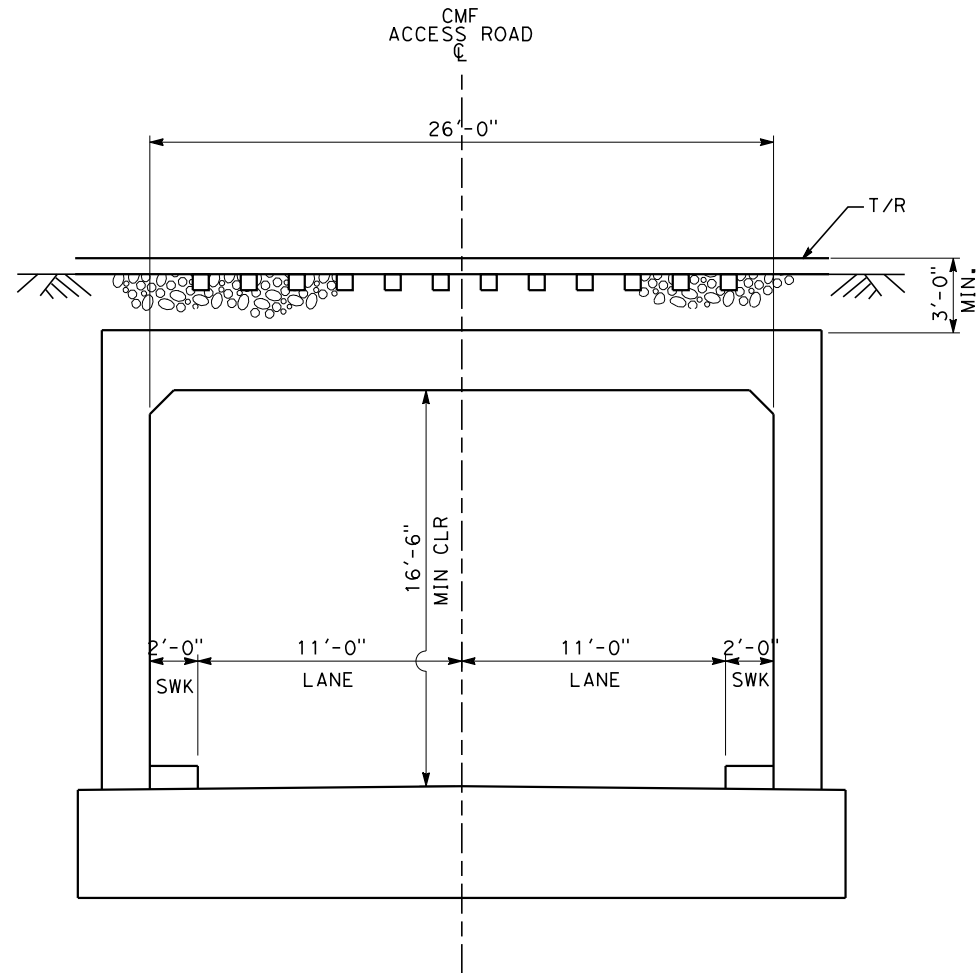


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - CMF ACCESS ROAD  
GENERAL PLAN - SHEET 1 OF 2

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
ST-K1142  
SCALE  
AS SHOWN  
SHEET NO.

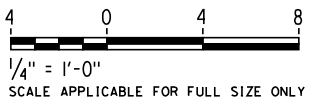


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**SECTION - CUT AND COVER**  
SCALE: 1/4" = 1'-0"

NOT FOR CONSTRUCTION  
FOR INTERNAL USE ONLY



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HACHIGHI**  
DRAWN BY  
**P. ZUCCHI**  
CHECKED BY  
**M. PONCE**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**

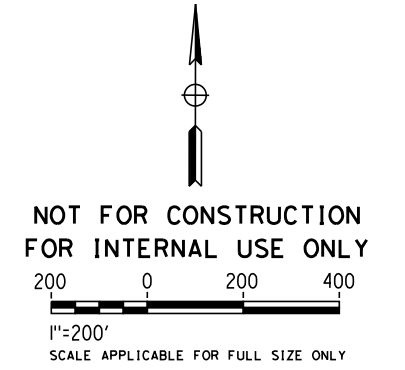
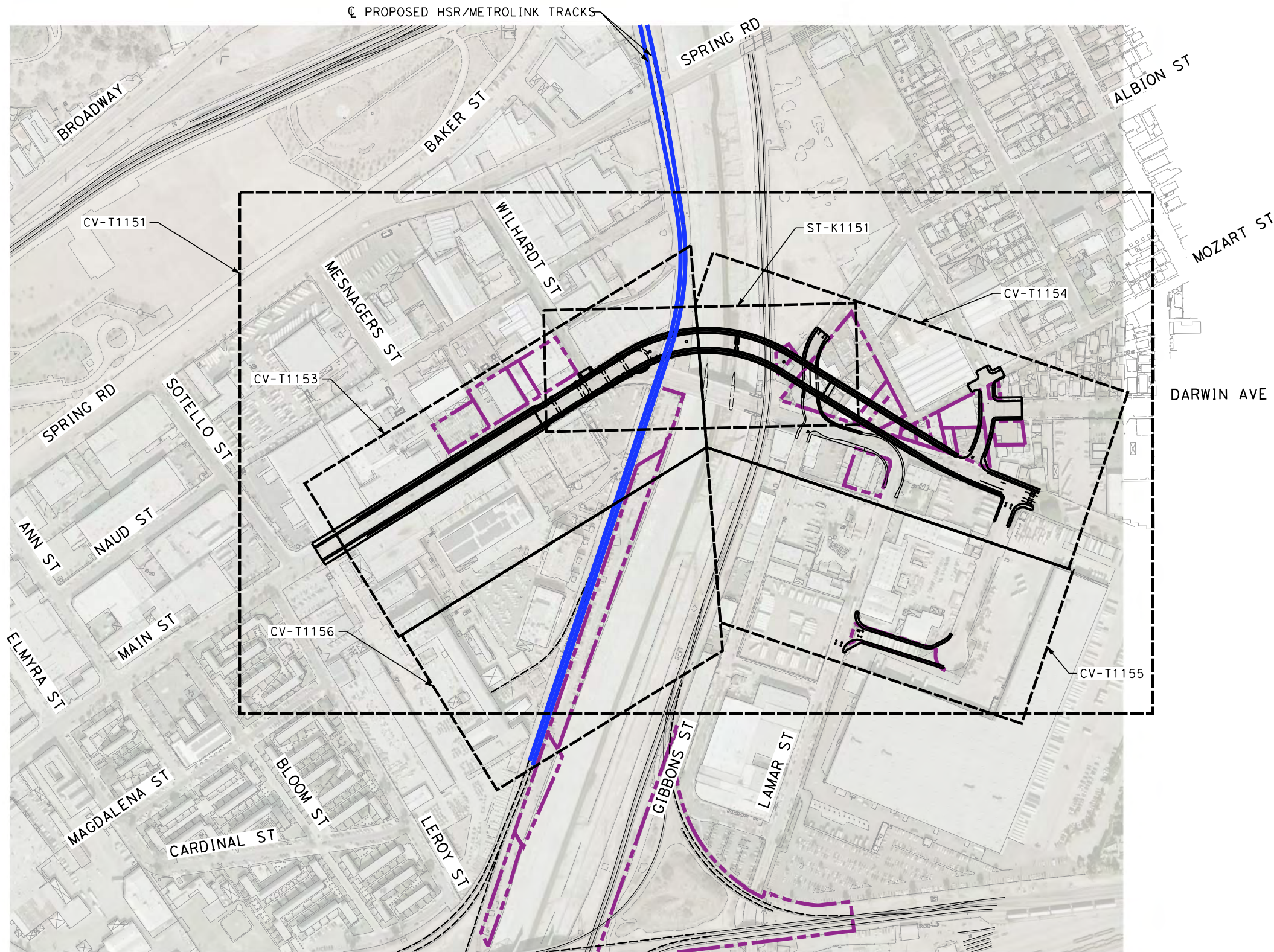


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - CMF ACCESS ROAD  
GENERAL PLAN - SHEET 2 OF 2

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
ST-K3142  
SCALE  
AS SHOWN  
SHEET NO.





4/30/2019 11:57:21 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l\cv-t0151.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - MAIN ST OVERPASS  
ORIENTATION MAP

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T0151

SCALE  
AS SHOWN

SHEET NO.

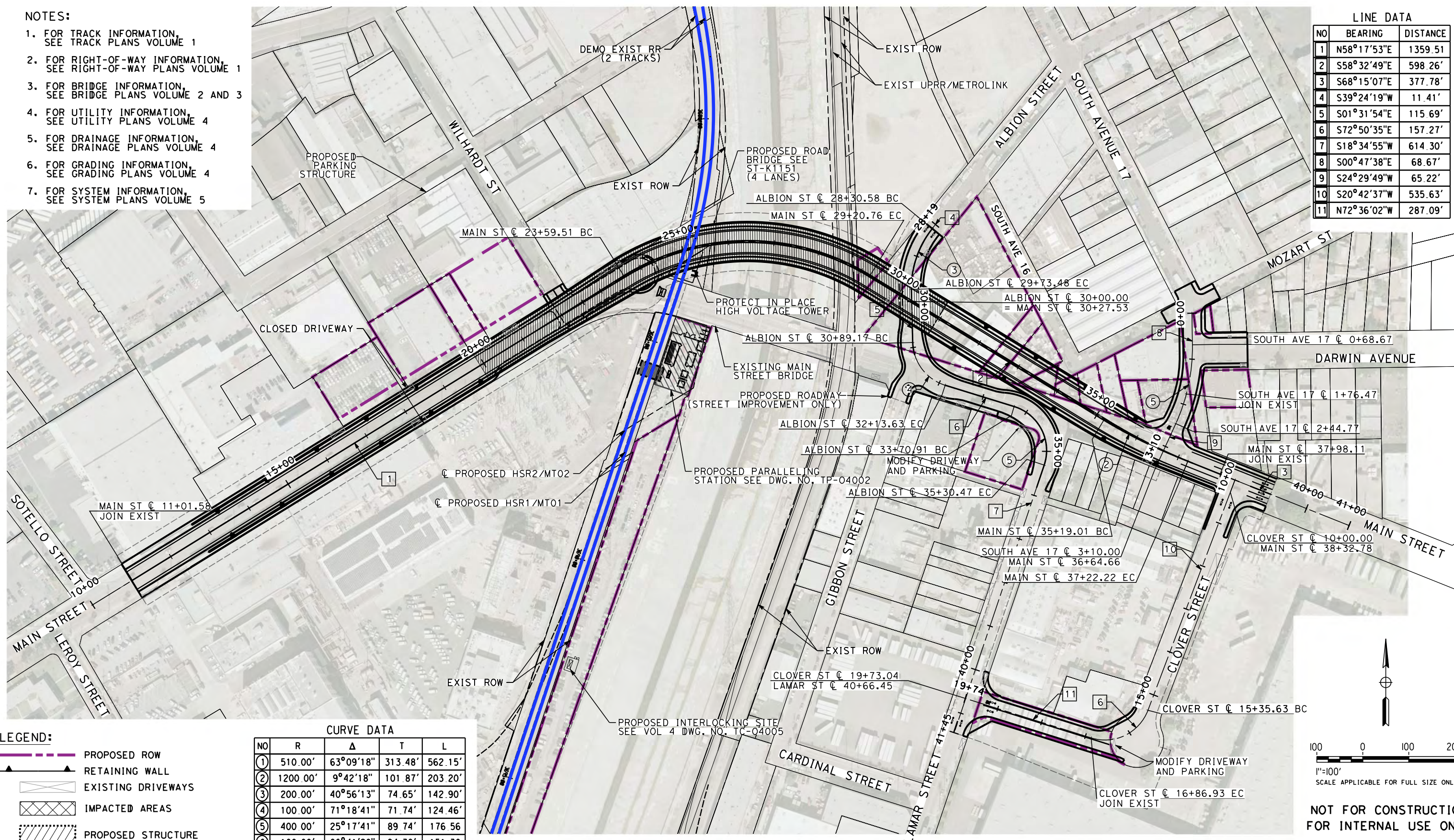


**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

**LINE DATA**

NO	BEARING	DISTANCE
1	N58°17'53"E	1359.51
2	S58°32'49"E	598.26'
3	S68°15'07"E	377.78'
4	S39°24'19"W	11.41'
5	S01°31'54"E	115.69'
6	S72°50'35"E	157.27'
7	S18°34'55"W	614.30'
8	S00°47'38"E	68.67'
9	S24°29'49"W	65.22'
10	S20°42'37"W	535.63'
11	N72°36'02"W	287.09'



**LEGEND:**

- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS
- PROPOSED STRUCTURE

**CURVE DATA**

NO	R	Δ	T	L
1	510.00'	63°09'18"	313.48'	562.15'
2	1200.00'	9°42'18"	101.87'	203.20'
3	200.00'	40°56'13"	74.65'	142.90'
4	100.00'	71°18'41"	71.74'	124.46'
5	400.00'	25°17'41"	89.74'	176.56'
6	100.00'	86°41'20"	94.38'	151.30'

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

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CONSTRUCTION**



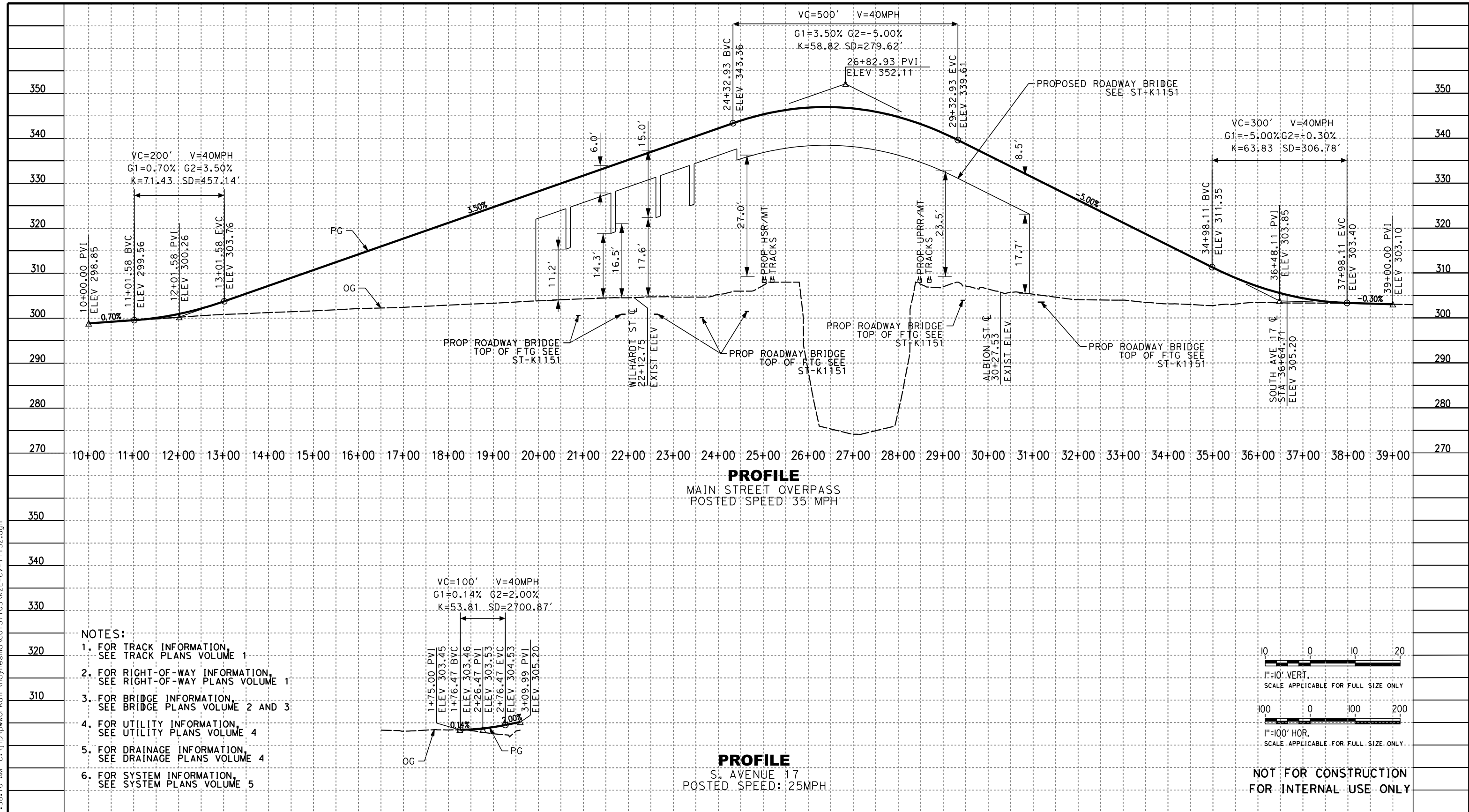
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - MAIN ST OVERPASS  
PLAN

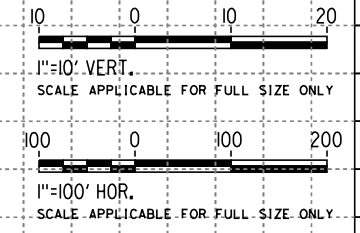
CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1151  
SCALE  
AS SHOWN  
SHEET NO.



4/30/2019 11:58:10 AM c:\j\p\pwworkdir\haynesma\d0137103\k2L-CV-T1152.dgn



- NOTES:**
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



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STATION	0+00	1+00	2+00	3+00	4+00	TOTAL
Exc						
Emb						

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**

DRAWN BY  
**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD  
RECORD SET**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - MAIN ST OVERPASS  
PROFILE

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1152

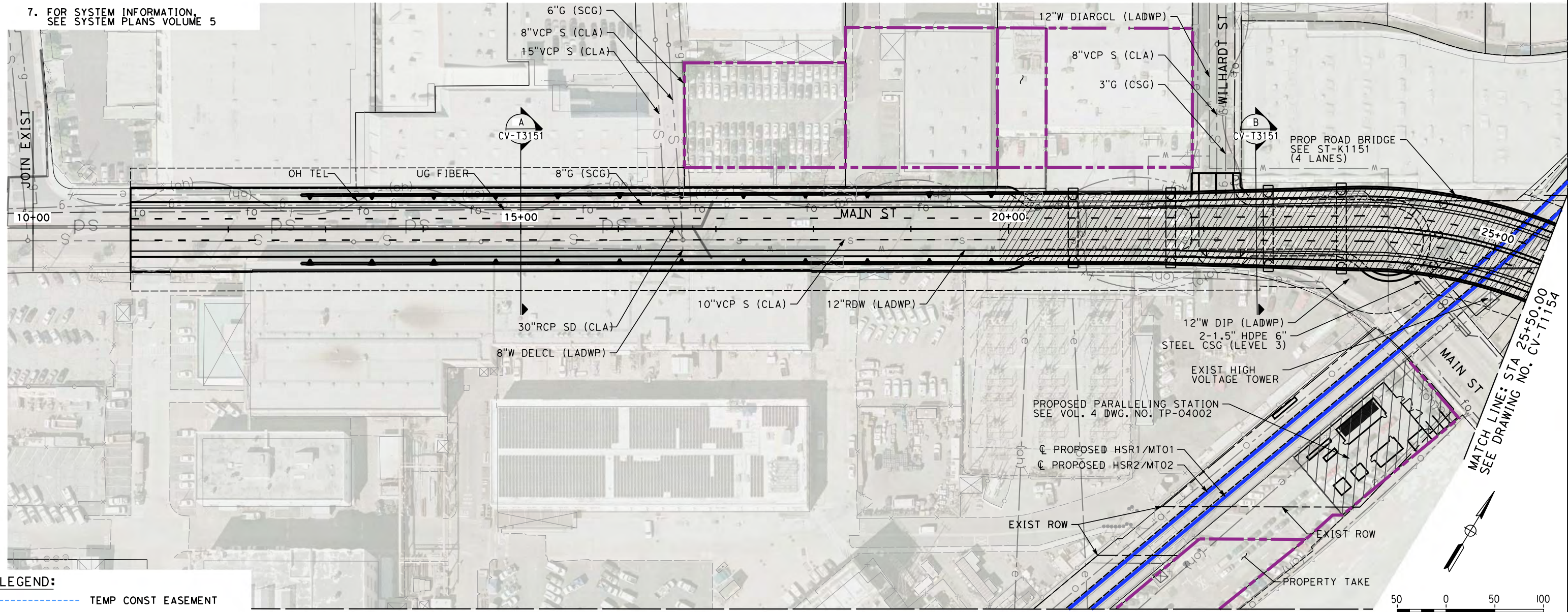
SCALE  
AS SHOWN

SHEET NO.



**NOTES:**

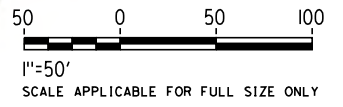
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**LEGEND:**

	TEMP CONST EASEMENT
	PROPOSED ROW
	RETAINING WALL
	EXISTING DRIVEWAYS
	IMPACTED AREAS
	PROPOSED STRUCTURE

MATCH LINE  
SEE DRAWING NO. CV-T1156



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**C. LEE**  
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**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

**PEPD  
RECORD SET**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

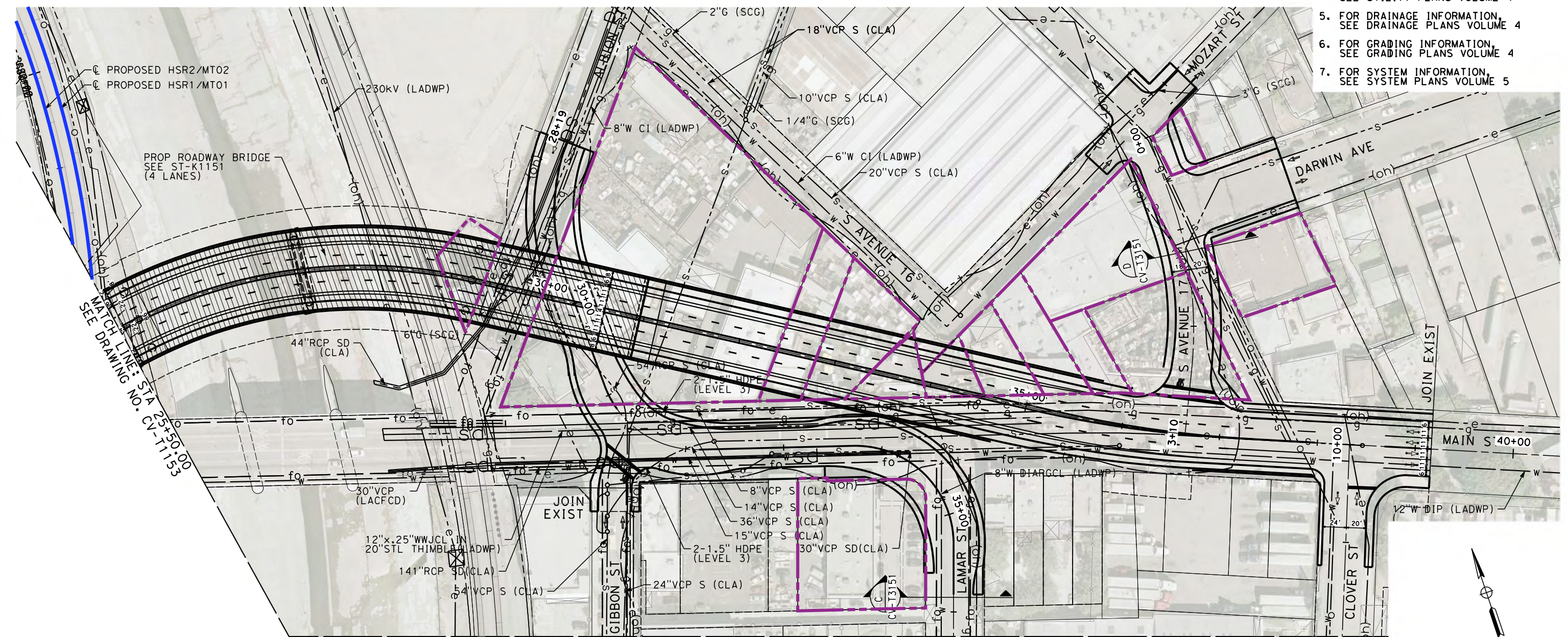
PEPD  
GRADE SEPARATION - MAIN ST OVERPASS  
IMPACT PLAN SHEET 1 OF 4

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1153  
SCALE  
AS SHOWN  
SHEET NO.



**NOTES:**

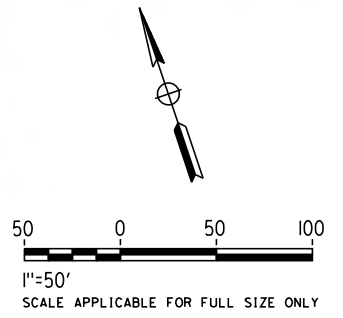
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



**LEGEND:**

- TEMP CONST EASEMENT
- PROPOSED ROW
- ▲ RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS
- PROPOSED STRUCTURE

MATCH LINE  
SEE DRAWING NO. CV-T1155



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4/30/2019 11:59:29 AM c:\j\p\pwworkdir\haynesma\d0137103\k2l-cv-t1154.dgn

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**C. LEE**

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**A. CORTEZ**

CHECKED BY  
**R. YU**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - MAIN ST OVERPASS  
IMPACT PLAN SHEET 2 OF 4

CONTRACT NO.  
HSR14-39

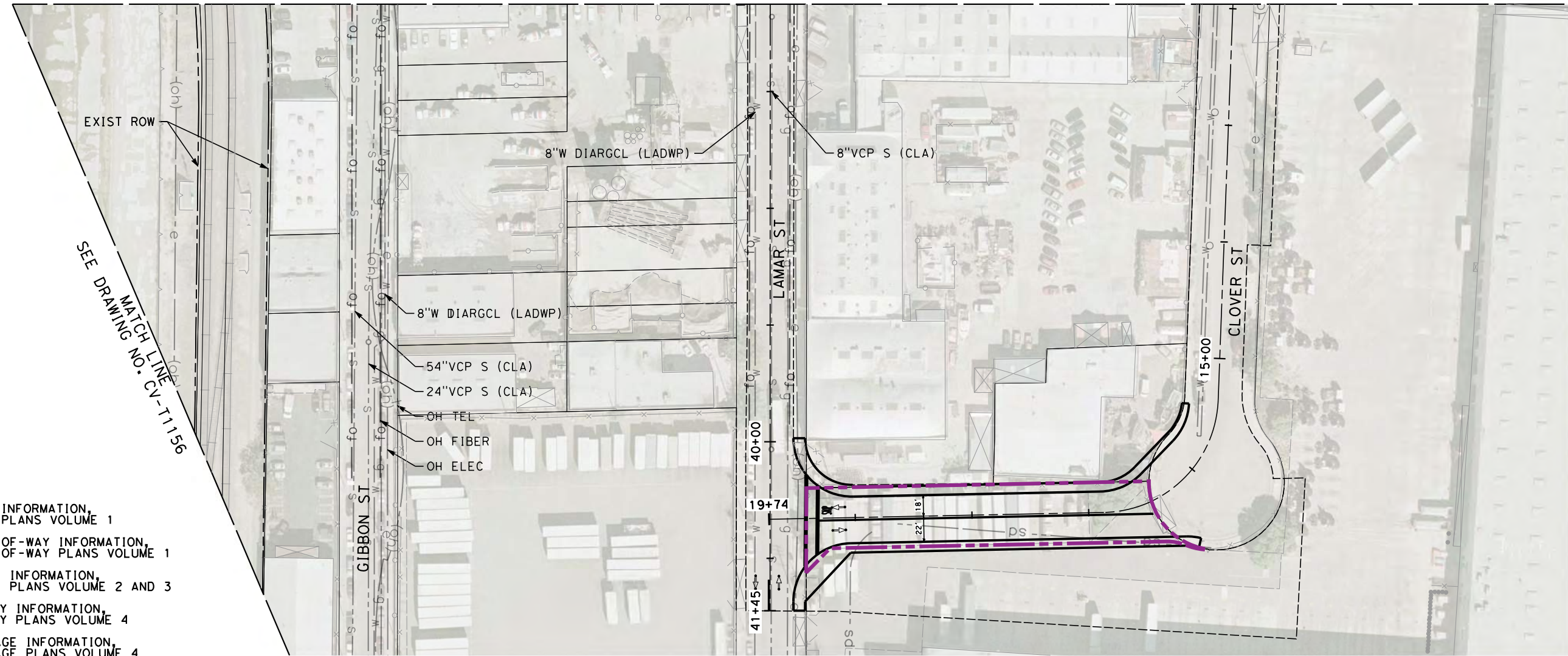
DRAWING NO.  
CV-T1154

SCALE  
AS SHOWN

SHEET NO.



MATCH LINE  
SEE DRAWING NO. CV-T1154

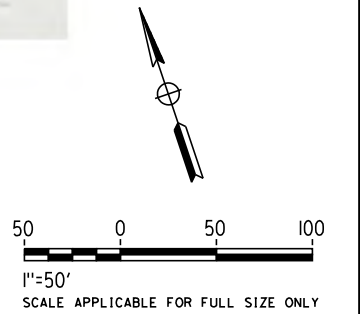


**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

**LEGEND:**

- TEMP CONST EASEMENT
- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS
- PROPOSED STRUCTURE



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**C. LEE**

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**A. CORTEZ**

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**K. PIRBAZARI**

DATE  
**04/30/2019**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - MAIN ST OVERPASS  
IMPACT PLAN 3 OF 4

CONTRACT NO.  
HSR14-39

DRAWING NO.  
CV-T1155

SCALE  
AS SHOWN

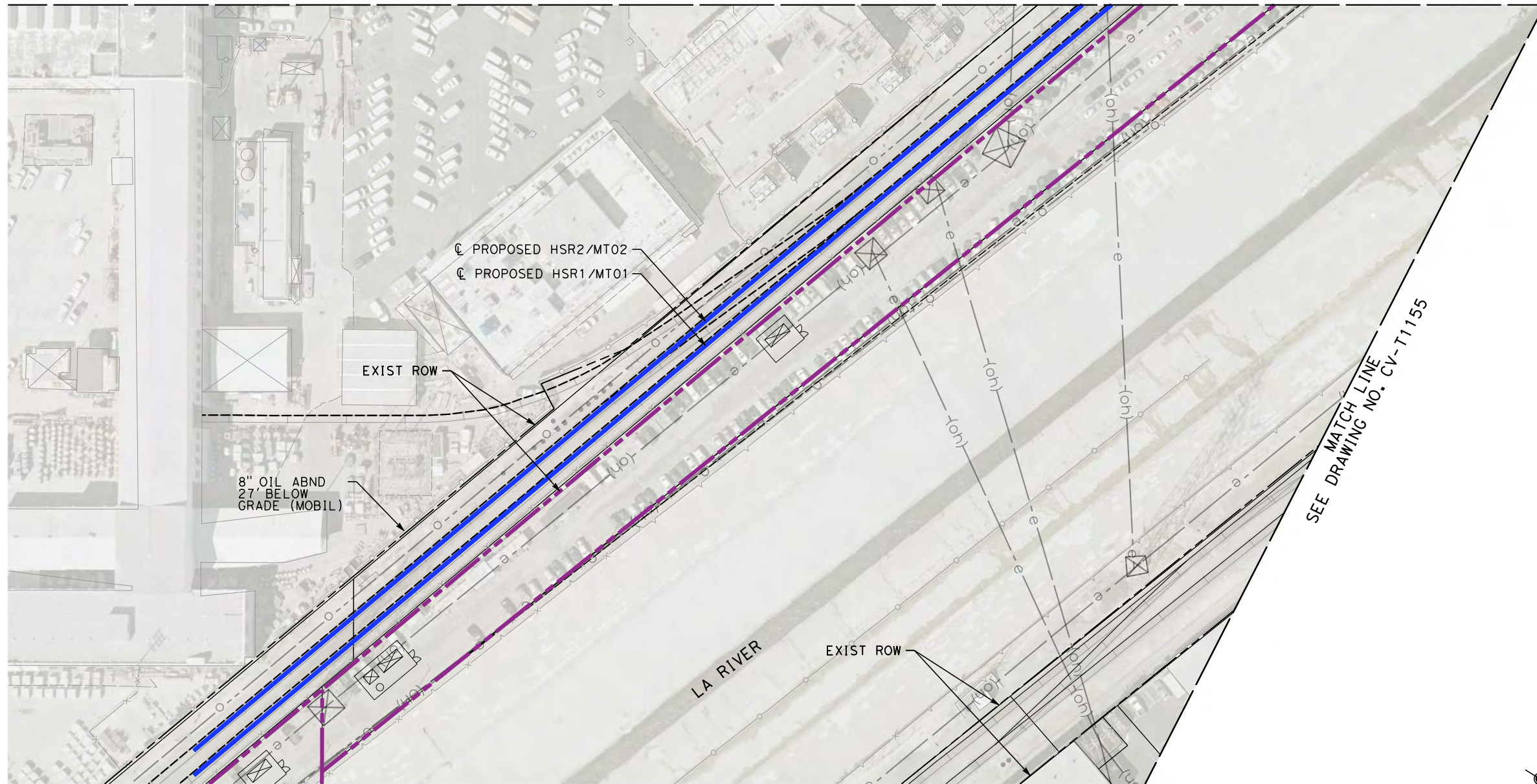
SHEET NO.



**NOTES:**

1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5

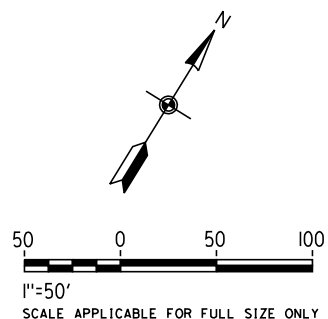
MATCH LINE  
SEE DRAWING NO. CV-T1153



MATCH LINE  
SEE DRAWING NO. CV-T1155

**LEGEND:**

- TEMP CONST EASEMENT
- PROPOSED ROW
- RETAINING WALL
- EXISTING DRIVEWAYS
- IMPACTED AREAS
- PROPOSED STRUCTURE



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

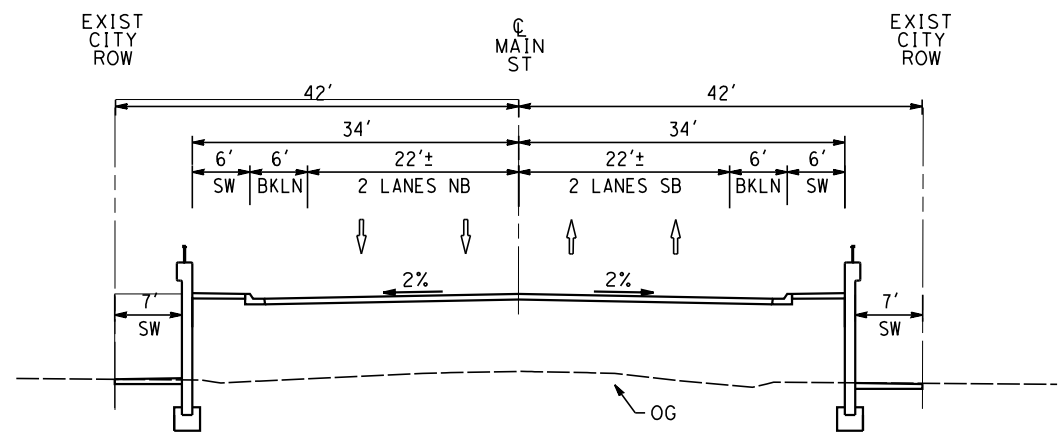
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RECORD SET**  
  
**NOT FOR  
CONSTRUCTION**



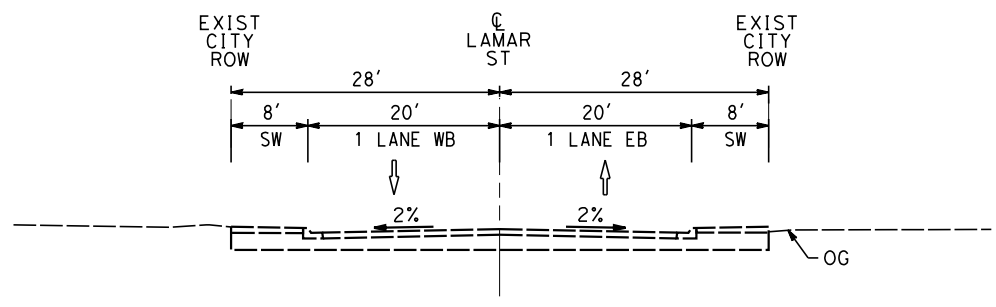
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - MAIN ST OVERPASS  
IMPACT PLAN SHEET 4 OF 4

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T1156  
SCALE  
AS SHOWN  
SHEET NO.

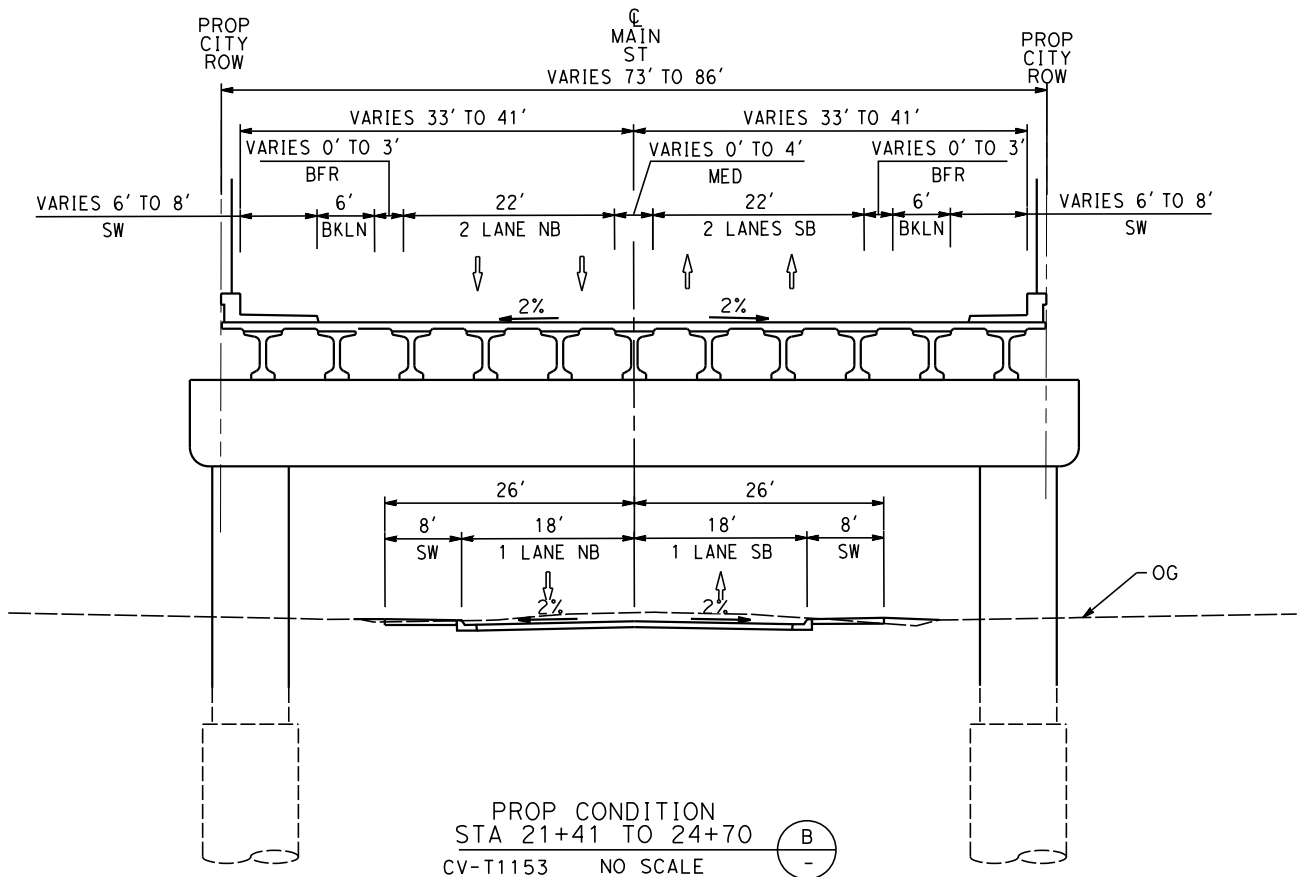




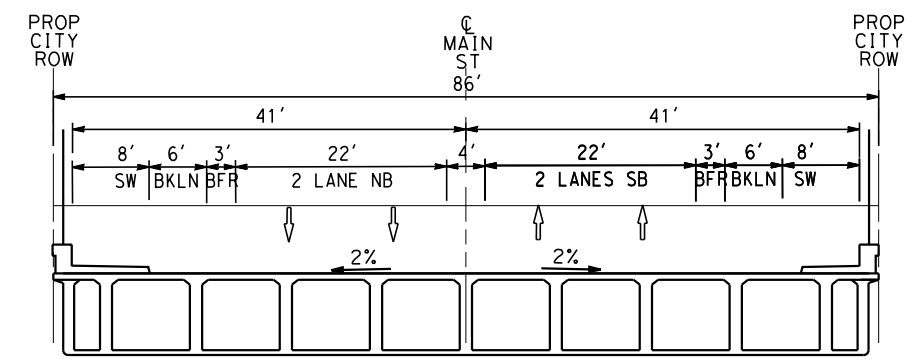
PROP CONDITION  
STA 15+00  
CV-T1153 NO SCALE (A)



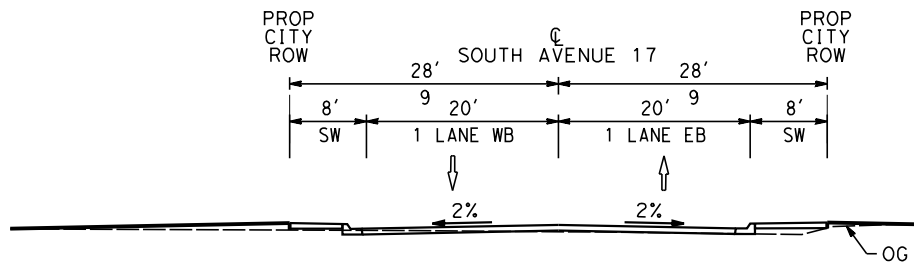
EXIST CONDITION  
STA 6+11  
CV-T1154 NO SCALE (C)



PROP CONDITION  
STA 21+41 TO 24+70  
CV-T1153 NO SCALE (B)

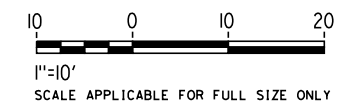


PROP CONDITION  
STA 24+70 TO 31+65  
CV-T1154 NO SCALE (B)



PROP CONDITION  
STA 1+23  
CV-T1154 NO SCALE (D)

- NOTES:
1. FOR TRACK INFORMATION, SEE TRACK PLANS VOLUME 1
  2. FOR RIGHT-OF-WAY INFORMATION, SEE RIGHT-OF-WAY PLANS VOLUME 1
  3. FOR BRIDGE INFORMATION, SEE BRIDGE PLANS VOLUME 2 AND 3
  4. FOR UTILITY INFORMATION, SEE UTILITY PLANS VOLUME 4
  5. FOR DRAINAGE INFORMATION, SEE DRAINAGE PLANS VOLUME 4
  6. FOR GRADING INFORMATION, SEE GRADING PLANS VOLUME 4
  7. FOR SYSTEM INFORMATION, SEE SYSTEM PLANS VOLUME 5



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**C. LEE**  
DRAWN BY  
**A. CORTEZ**  
CHECKED BY  
**R. YU**  
IN CHARGE  
**K. PIRBAZARI**  
DATE  
**04/30/2019**

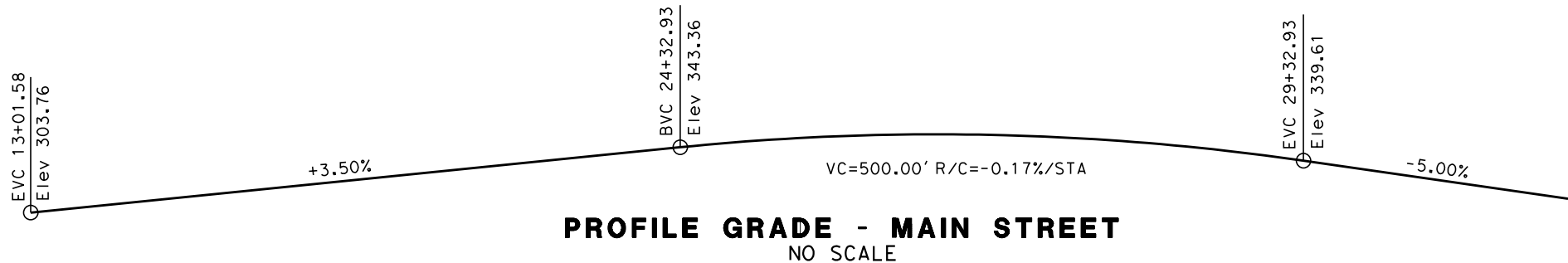
**PEPD  
RECORD SET**  
  
**NOT FOR  
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
BURBANK TO LOS ANGELES**  
  
PEPD  
GRADE SEPARATION - MAIN ST OVERPASS  
CROSS-SECTION

CONTRACT NO.  
HSR14-39  
DRAWING NO.  
CV-T3151  
SCALE  
AS SHOWN  
SHEET NO.





**NOTES**

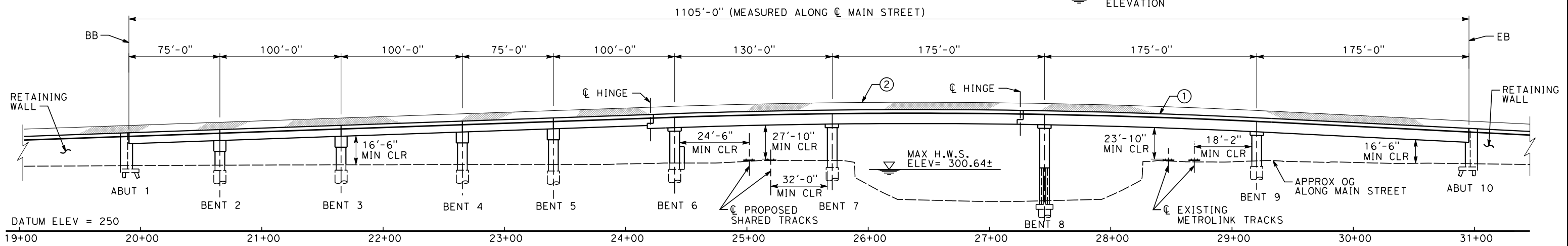
- ① BARRIER
- ② CHAIN LINK RAILING
- ③ STRUCTURE APPROACH SLAB

**LEGEND**

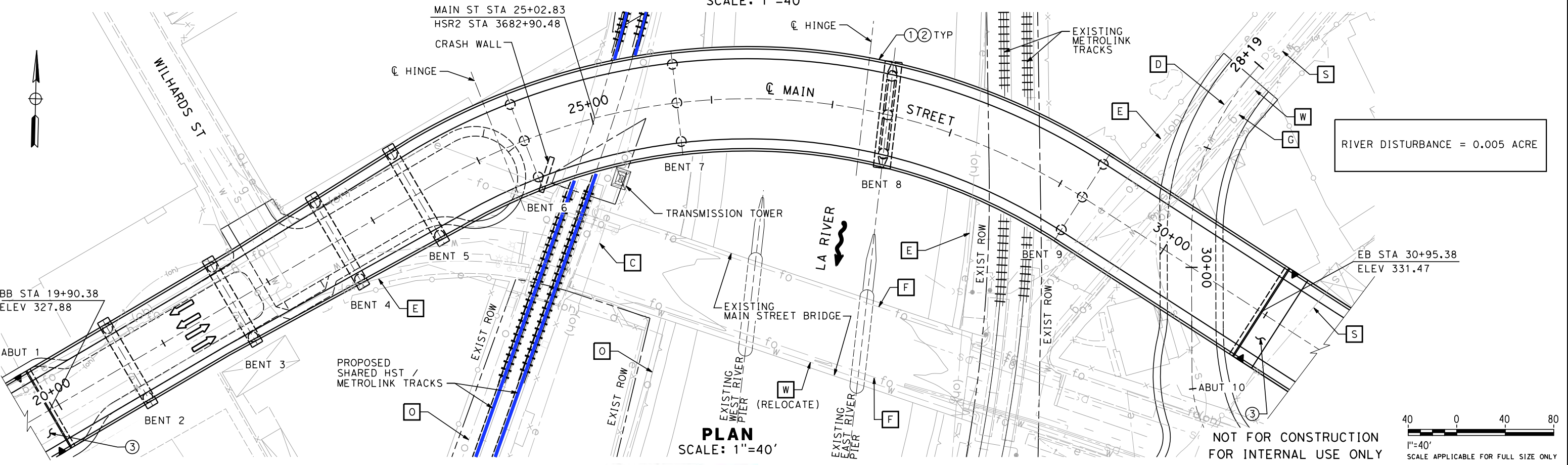
- INDICATES DIRECTION OF TRAFFIC
- INDICATES RAILROAD AND HSR TRACKS
- INDICATES FLOW LINE
- INDICATES HIGH WATER SURFACE ELEVATION

**EXISTING UTILITIES**

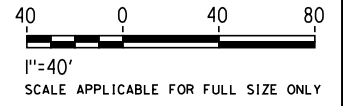
- E** ELECTRIC CABLE (OH) (RELOCATE)
- F** FIBER OPTIC (RELOCATE)
- G** GAS
- O** OIL
- S** SEWER
- D** STORM DRAIN
- T** TELEPHONE (OH)
- W** WATER



**DEVELOPED ELEVATION**  
SCALE: 1"=40'



**PLAN**  
SCALE: 1"=40'



4/30/2019 12:01:02 PM c:\jip\pwworkdir\haynesma\d0137172\k2l-st-k1151.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**

DRAWN BY  
**P. ZUCCHI**

CHECKED BY  
**M. PONCE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

**NOT FOR CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - MAIN ST OVERPASS  
GENERAL PLAN - SHEET 1 OF 2

CONTRACT NO.  
HSR14-39

DRAWING NO.  
ST-K1151

SCALE  
AS SHOWN

SHEET NO.

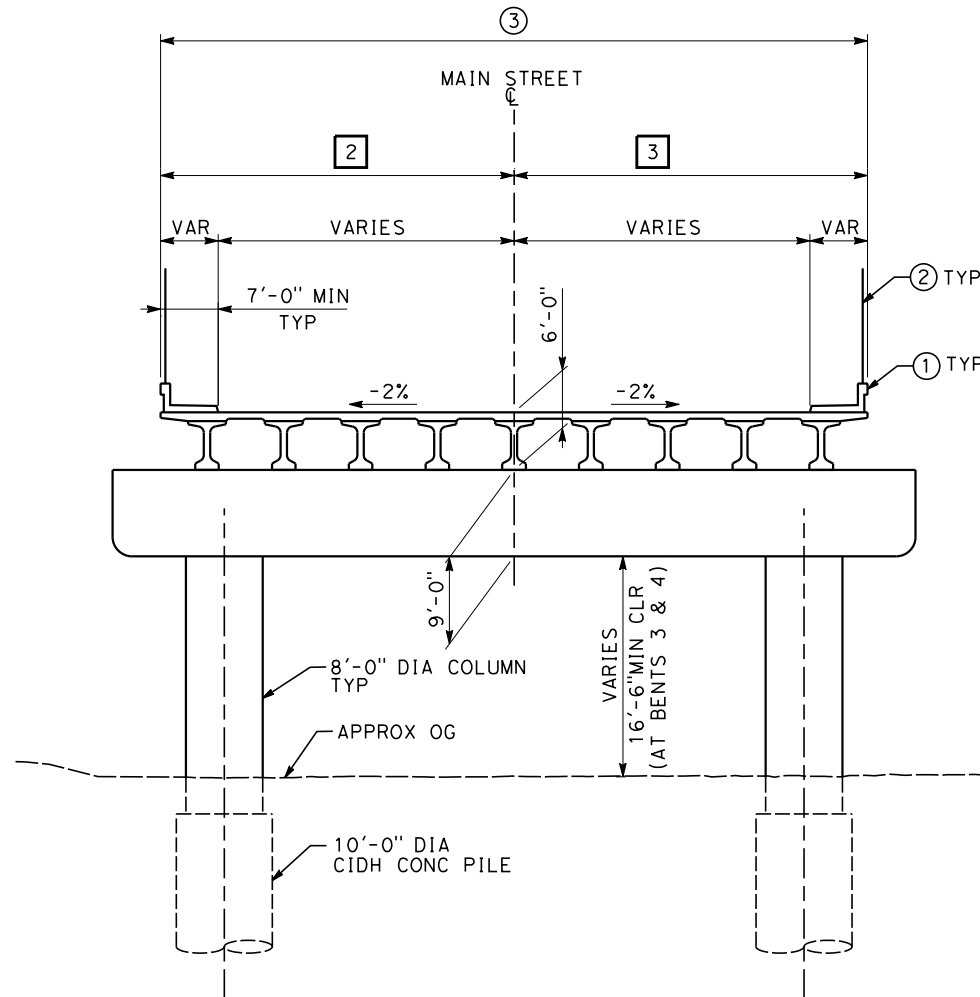


**CONSTRUCTION STAGING NOTES:**

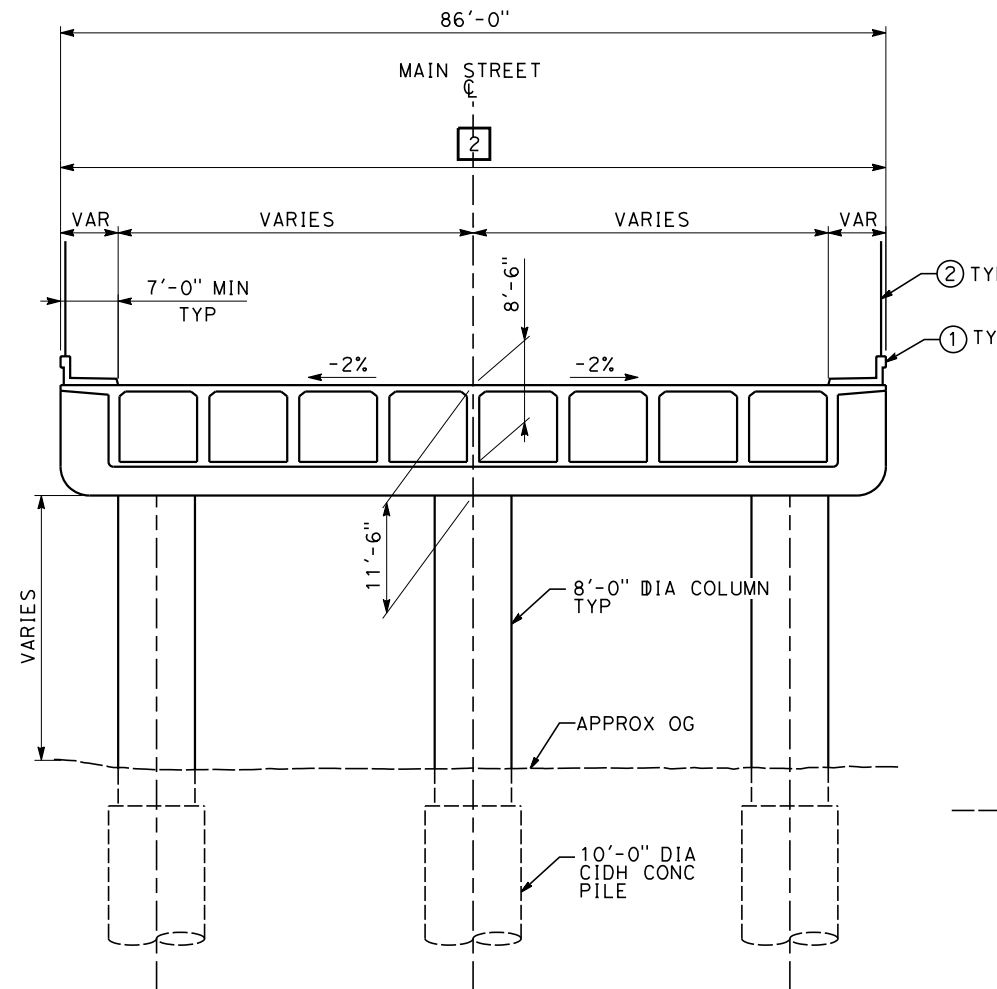
- 1 CONSTRUCT BENTS 2 TO 5 AND NORTH SEGMENT OF ABUTMENT 1
- 2 CONSTRUCT CAST-IN-PLACE SEGMENT AND HALF OF THE NORTHERN SEGMENT OF THE BRIDGE FROM ABUTMENT 1 TO BENT 6 TO OPEN TEMPORARILY FOR ONE LANE OF TRAFFIC IN EACH DIRECTION
- 3 COMPLETE BRIDGE CONSTRUCTION

**NOTES**

- 1 BARRIER
- 2 CHAIN LINK RAILING
- 3 OUT TO OUT BRIDGE WIDTH VARIES FROM 73'-6" AT ABUT 1 TO 86'-0" AT BENT 6

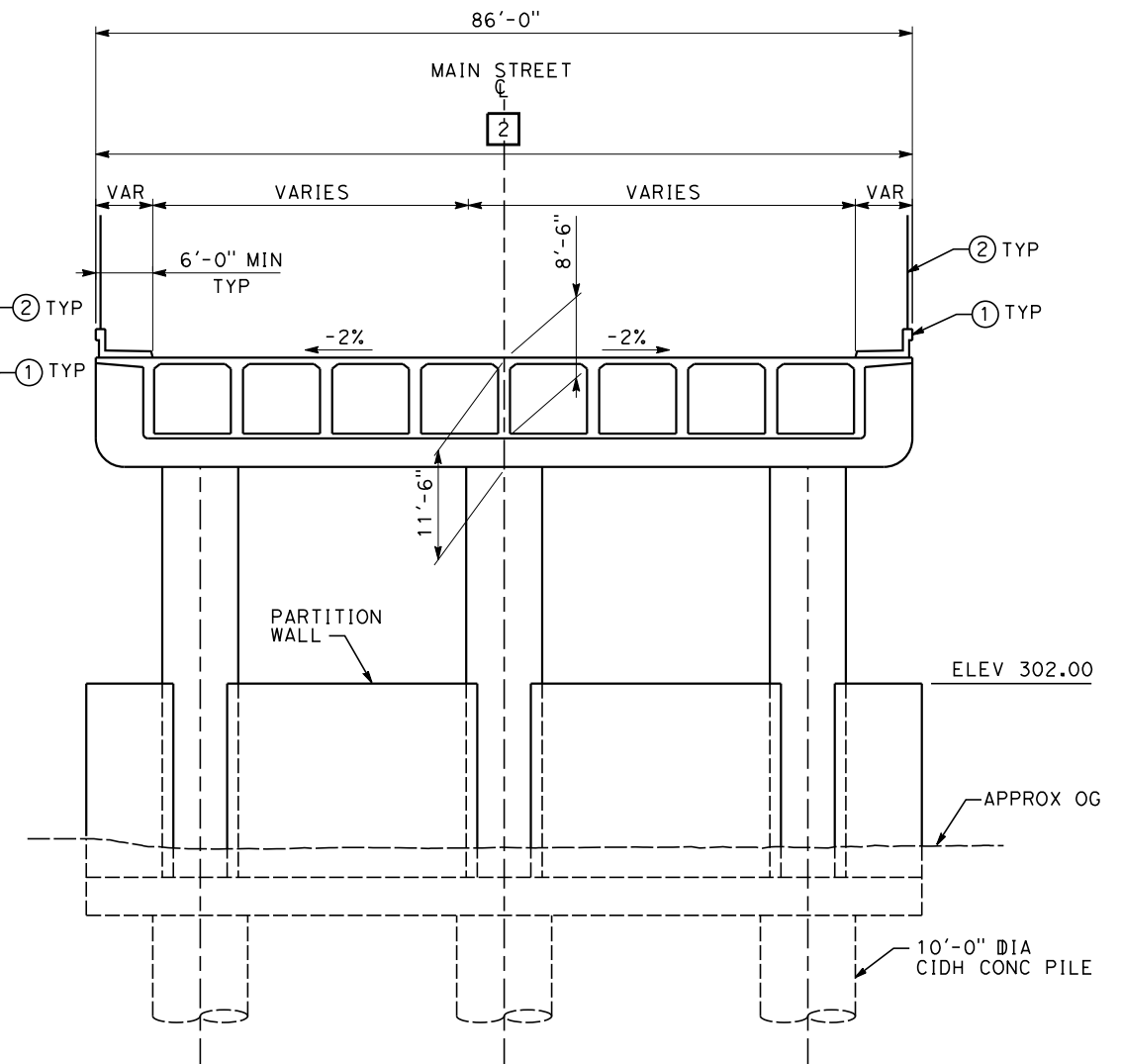


**TYPICAL SECTION (BENTS 2 TO 5)**  
SCALE: 1"=10'



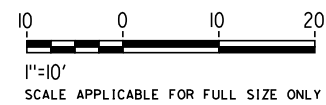
NOTE: CRASH WALL ON BENT 6 ONLY, SEE PLAN.

**TYPICAL SECTION (BENTS 6, 7, & 9)**  
SCALE: 1"=10'



**TYPICAL SECTION - BENT 8**  
SCALE: 1"=10'

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**D. HAGHIGHI**

DRAWN BY  
**P. ZUCCHI**

CHECKED BY  
**M. PONCE**

IN CHARGE  
**K. PIRBAZARI**

DATE  
**04/30/2019**

**PEPD RECORD SET**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**BURBANK TO LOS ANGELES**

PEPD  
GRADE SEPARATION - MAIN ST OVERPASS  
GENERAL PLAN - SHEET 2 OF 2

CONTRACT NO.  
HSR14-39

DRAWING NO.  
ST-K3151

SCALE  
AS SHOWN

SHEET NO.