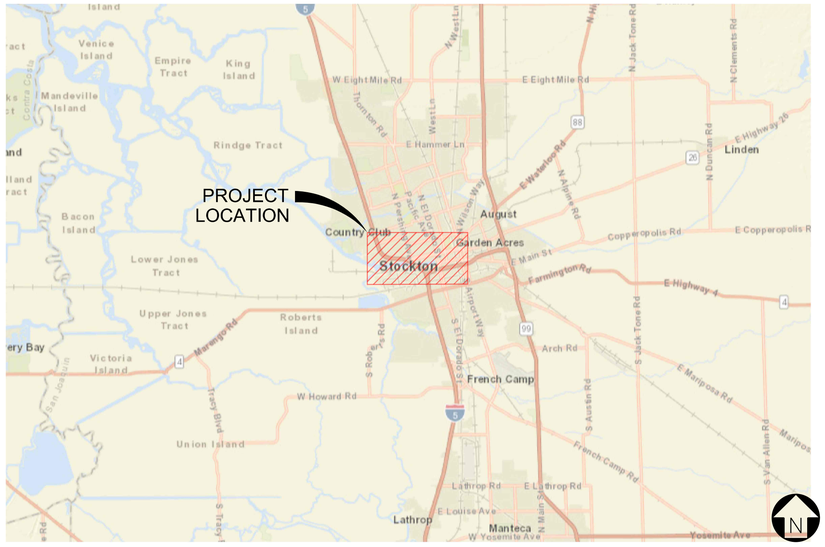
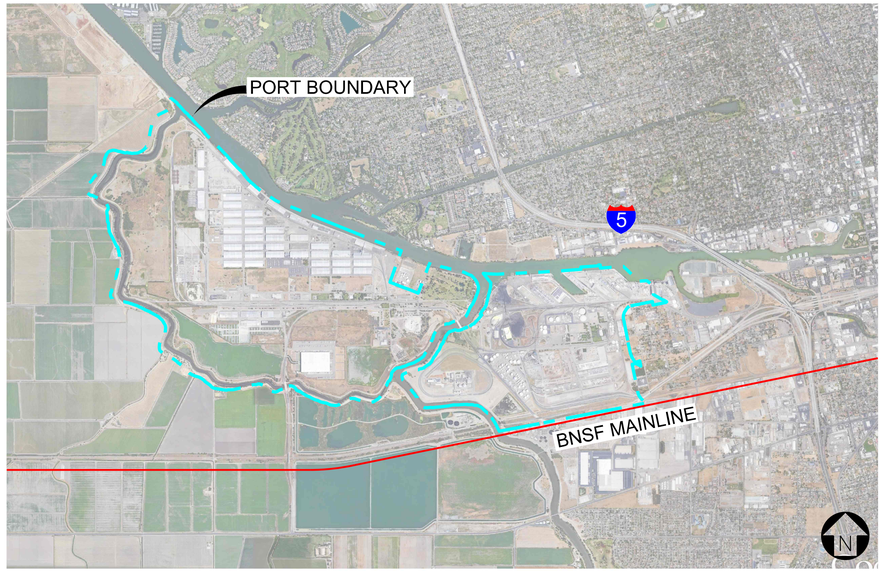
PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203



VICINITY MAP
SCALE: N.T.S.



LOCATION MAP
SCALE: N.T.S.

POINTS OF CONTACT:

1. *OWNER: PORT OF STOCKTON, JUAN VILLANUEVA; 315 W FYFFE STREET, STOCKTON, CA–95203; TELEPHONE: (209) 946–0246.*
2. *PRIME CONSULTANT: HDR, INC., MATTHEW ARCHER, PE; 2379 GATEWAY OAKS, SUITE 200, SACRAMENTO, CA–95833; TELEPHONE: (916) 679–8700.*
3. *CIVIL ENGINEER: JMA CIVIL, ARKA GHOSH, PE; 383 4TH STREET, STE. 201, OAKLAND, CA 94607; TELEPHONE: (925) 400–4356.*
4. *LAND SURVEYOR: CINQUINI & PASSARINO, JAMES DICKEY, PLS; 1630 N DUTTON AVE., #150, SANTA ROSA, CA–95401; TELEPHONE: (707) 542–6268*
5. *GEOTECHNICAL ENGINEER: KLEINFELDER, INC., NATHAN L. DAHLEN, PE; 2001 ARCH AIRPORT RD., STE #100, STOCKTON, CA–95206; TELEPHONE: (209) 948–1345.*
6. *RAILROAD: BURLINGTON NORTHERN SANTA FE RAILWAY (BNSF), DIONISIO MARTINEZ; 740 EAST CARNEGIE DRIVE, SAN BERNARDINO, CA 92408; TELEPHONE: (800) 795–2673.*
7. *RAILROAD: CENTRAL CALIFORNIA TRACTION COMPANY (CCTC), RAMIRO BARBA, 2201 WEST WASHINGTON ROAD SUITE #12., STOCKTON, CA–95203; TELEPHONE: (209) 466–6927.*

PROJECT DOCUMENTS:

1. *PROJECT DOCUMENTS: THE FOLLOWING DOCUMENTS ARE INCLUDED IN THE SCOPE OF THE PROJECT:.*
   - A. *BASIS OF DESIGN MEMORANDUM DATED 08/31/2026.*
   - B. *STORMWATER REPORT DATED 08/31/2026.*
   - C *PROJECT SPECIFICATIONS DATED 08/31/2026.*
   - D. *100% GEOTECHNICAL REPORT DATED 08/14/2026.*
   - E. *PORT OF STOCKTON OVERHEAD PIPELINE PROJECT DATED 04/27/2026.*
   - F. *PORT OF STOCKTON BNSF LEAD IMPROVEMENTS DATED 08/31/2026.*

CODES AND STANDARDS:

1. *GOVERNING CODES AND STANDARDS: THE CURRENT VERSIONS OF THE FOLLOWING STANDARDS, GOVERN THE CONSTRUCTION OF THE WORK EXCEPT AS NOTED OTHERWISE.*
   - A. *CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (CALTRANS)*
   - B. *2022 CALIFORNIA BUILDING CODE*
   - C. *THE UNION PACIFIC RAILROAD/ BNSF RAILWAY COMPANY TECHNICAL SPECIFICATIONS FOR CONSTRUCTION OF INDUSTRIAL TRACKS*
   - D. *AMERICAN RAILWAY ENGINEERING AND MAINTENANCE–OF–WAY ASSOCIATION (AREMA) MANUAL FOR RAILWAY ENGINEERING*
   - E. *THE CALIFORNIA PUBLIC UTILITIES COMMISSION (CPUC) GENERAL ORDERS*
   - F. *FEDERAL RAILROAD ADMINISTRATION (FRA) RAILROAD SAFETY STANDARDS*
   - G. *UPRR/ BNSF GUIDELINES FOR RAILROAD GRADE SEPARATION PROJECTS*
   - H. *CITY OF STOCKTON DESIGN STANDARDS*
   - I. *CITY OF STOCKTON MUNICIPAL CODE*
   - J. *PORT OF STOCKTON TRACK DESIGN STANDARDS*
   - K. *CAMUTCD 2014 CHAPTER 8B*
   - L. *UPRR–BRIDGE DEMOLITION AND REMOVAL PLANS FOR STRUCTURES OVER RAILROAD*

IN THE EVENT OF A CONFLICT BETWEEN THE REFERENCED STANDARDS, FOR RAILROAD WORK: PORT OF STOCKTON STANDARDS SHALL GOVERN. IN ADDITION, CONSTRUCTION MUST ADHERE TO ALL FEDERAL RAILWAY ADMINISTRATION (FRA), STATE AND LOCAL REQUIREMENTS.

FOR ROADWAY WORK: CALTRANS SPECIFICATIONS SHALL GOVERN.

FOR UTILITY WORK: THE CITY OF STOCKTON STANDARD DETAILS AND SPECIFICATIONS SHALL GOVERN.

DESCRIPTION OF WORK:

1. *FINAL ISSUED FOR CONSTRUCTION PLANS: CONSTRUCTION OR PROCUREMENT OF MATERIALS FROM PLANS NOT MARKED "ISSUED FOR CONSTRUCTION" IS AT THE OWNER AND/OR CONTRACTOR'S RISK. ONLY PLANS MARKED "ISSUED FOR CONSTRUCTION" ARE DEEMED COMPLETE AND READY FOR CONSTRUCTION.*
2. *THE FOLLOWING SCOPE OF WORK IS INCLUDED IN THIS CONTRACT:*
   - A. *SITE CLEARING AND GRUBBING, DEMOLITION, STAKING, ROUGH GRADING, FINAL GRADING, INSTALLATION OF DITCHES AND DRAINAGE FACILITIES AND FINAL PREPARATION OF SUBGRADE*
   - B. *PLACEMENT OF SUBBALLAST, BALLAST AND ALL TRACK WORK. TRACK WORK WILL INCLUDE A NEW PORT DOUBLE LEAD TRACK IN THE BNSF RIGHT–OF–WAY AND EAST COMPLEX; AND A NEW CLASSIFICATION YARD OFF THE EXISTING PORT LEAD IN WEST COMPLEX.*
   - C. *ON–SITE UTILITIES*
   - D. *FENCING*
   - E. *ASPHALT, GRAVEL, AND CONCRETE PAVING*
   - F. *SIGNAGE AND STRIPING*
3. *CONTRACTOR RESPONSIBILITIES: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRACK CONSTRUCTION WITHIN AND OUTSIDE EXISTING RAILROAD RIGHT–OF–WAY WHICH IS BEYOND THE 14' CLEARANCE POINT OF THE MAIN LINE TURNOUTS AND ON PORT PROPERTY. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, INCLUDING BALLAST, FOR CONSTRUCTION WITHIN CONTRACTOR'S LIMITS OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING ALL WORK FOR THE PROJECT, INCLUDING ALL WORK TO BE CONSTRUCTED BY THE RAILROAD.*
4. *WORK BY OTHERS: THE CONTRACTOR SHALL COORDINATE WITH THE AGENCY PERFORMING THE WORK OF RAISING OVERHEAD UTILITIES WHERE THEY CROSS TRACKS TO COMPLY WITH CPUC REQUIREMENTS.*
5. *DESIGN WORK BY OTHERS: THE OWNER WILL BE PROVIDED THE FOLLOWING ADDITIONAL WORK IN A SEPARATE PACKAGE, PREPARED BY OTHERS:*
   - A. *SAN JOAQUIN RIVER RAIL BRIDGE REPLACEMENT PROJECT*
6. *CONSTRUCTION BY THE RAILROAD: TRACK WORK IN THE RAILROAD RIGHT–OF–WAY FROM THE MAINLINE TO THE 14' CLEARANCE POINT OF THE MAINLINE TURNOUTS WILL BE CONSTRUCTED BY THE RAILROAD. RAILROAD SHALL FURNISH AND INSTALL ALL MATERIALS, INCLUDING MAIN LINE TURNOUT BALLAST, FOR CONSTRUCTION WITHIN RAILROAD'S LIMITS OF WORK.*
7. *RELATED WORK: THE FOLLOWING WORK PACKAGES ARE PART OF THE BID DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION THE SCOPE OF WORK AND SCHEDULE OF THIS WORK WITH ALL OTHER PACKAGES. SEE TABLE 1 ON PROJECT MANUAL FOR APPLICABLE TECHNICAL SPECIFICATIONS:*
   - A. *PORT OVERHEAD PIPELINE RESTORATION PROJECT*
8. *FUTURE WORK: THE FOLLOWING SCOPE OF WORK WILL BE BID SEPARATELY AND WILL REQUIRE COORDINATION DURING CONSTRUCTION:*
   - A. *PORT RAIL REHABILITATION AND UPGRADES*

CAUTION BEFORE EXCAVATION:

1. *UNDERGROUND UTILITY IDENTIFICATION: SECTION 4216 / 4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. FOR YOUR DIG ALERT IDENTIFICATION NUMBER, CALL UNDERGROUND SERVICE ALERT 1–800–227–2600 (CENTRAL/NORTHERN CA & NEVADA) FOR UNDERGROUND LOCATING AT LEAST TWO (2) WORKING DAYS BEFORE YOU DIG.*

SURVEY NOTES:

1. *SURVEY NOTES: SURVEY DETAILS AND SURVEY CONTROL ARE SHOWN ON SHEET G–100.*
2. *BASE SURVEY: SEE SHEET G–100.*
3. *PROJECT BENCHMARK: SEE SHEET G–100.*
4. *BASIS OF BEARING: BEING NORTH 10°02'25.4" EAST BETWEEN CORS STATION P257 AND P273, BASED ON COORDINATES PROVIDED BY THE CALIFORNIA SPATIAL REFERENCE CENTER. PROJECT IS BASED ON CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 3, EPOCH 2017.50.*
5. *VERTICAL DATUM: SEE SHEET G–100.*
6. *HORIZONTAL DATUM: SEE SHEET G–100.*
7. *GRID TO GROUND CONVERSION: ALL COORDINATES SHOWN ON THE DRAWINGS ARE "GRID". THE MEAN COMBINATION FACTOR = 0.9999402009. TO CONVERT FROM GRID TO GROUND, DIVIDE BY THE MEAN COMBINATION FACTOR.*
8. *PROPERTY LINES: ALL PROPERTY AND RIGHT–OF–WAY LINES DEPICTED ON PLANS ARE FOR INFORMATION ONLY. RIGHT–OF–WAY BOUNDARY DATA IN THE FORM OF DRAWINGS AND LEGAL DESCRIPTIONS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER, WILL BE PROVIDED BY THE OWNER PRIOR TO CONSTRUCTION STAKING.*
9. *ELECTRONIC FILE DATA: MICROSTATION CAD FILES OF THE PLAN VIEW DRAWINGS ONLY WILL BE PROVIDED BY THE ENGINEER ALONG WITH ONE SET OF HARD COPY DRAWINGS. CONVERSION OF DRAWINGS TO OTHER FORMATS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL ROAD AND RAIL STAKING SHALL BE BASED ON COORDINATE GEOMETRY TABLES, WHEN PROVIDED, VERSUS FROM CAD FILES. IN THE EVENT OF DISCREPANCY BETWEEN CAD FILES AND HARD COPY DRAWINGS, THE HARD COPY DRAWINGS SHALL GOVERN. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY DISCREPANCIES. BOUNDARY STAKING SHALL BE BASED ON SIGNED AND STAMPED HARD COPY DRAWINGS ONLY.*

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	REVISIONS:	
	JMA CIVIL 5250 Claremont Ave, Suite 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	HDR 2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com	LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA	ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026	MARK / DATE / DESCRIPTION 0 / 08/31/2026 / ISSUED FOR BID	PORT OF STOCKTON CALIFORNIA

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:

TITLE SHEET

PROJ NO: 21273	SHEET NO. G-001
SCALE: AS NOTED	SHEET 1 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

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8/31/2026 - 3:54:07 PM - pw://JMA-PW-APP.jmadvlt.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD/TG-001 Title Sheet.dgn

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PROFESSIONAL SEAL:

ISSUED FOR BID
NOT FOR CONSTRUCTION
-
08/31/2026
ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:
DRAWING INDEX

PROJ NO: 21273
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SHEET NO.
G-002
SHEET 2 of 94

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ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION SERVICES
AB	AGGREGATE BASE; ANCHOR BOLT
ABV	ABOVE
AC	ACRE
AC	ASPHALT CONCRETE
ADJ	ADJUST
AGG	AGGREGATE
AH	AHEAD
APPROX	APPROXIMATE
ARV	AIR RELEASE VALVE
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AVE	AVENUE
B–B	BACK TO BACK
BC	BACK OF CURB
BCONC	ELEVATION AT BOTTOM OF CONCRETE
BFP	BACKFLOW PREVENTER
BGN	BEGIN
BK	BACK
BL	BASE LINE
BBLDG	BUILDING
BLVD	BOULEVARD
BM	BENCHMARK
BNSF	BURLINGTON NORTHERN SANTA FE RAILWAY
BTM/BOT	BOTTOM
BW	BACK OF WALL/BOTTOM OF WALL
C&G	CURB & GUTTER
C.I.P.	CAST IN PLACE
CA	CALIFORNIA
CAG	COARSE AGGREGATE
CALC	CALCULATION
CALTRANS	CALIFORNIA DEPARTMENT OF TRANSPORTATION
CB	CATCH BASIN
C–C	CENTER–CENTER
CCTC	CENTRAL CALIFORNIA TRACTION COMPANY
CERT	CERTIFIED
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CIP	CAST IRON PIPE
CL	CENTER LINE
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CNTY	COUNTY
CO	CLEAN OUT
COMB	COMBINATION
CONC	CONCRETE
CONST.	CONSTRUCT
CONT	CONTINUOUS
CONT'D	CONTINUED
CORR	CORRUGATED
CP	CONTROL POINT / CLEAR POINT
CPUC	CALIFORNIA PUBLIC UTILITIES COMMISSION
CPVC	CHLORINATED POLYVINYL CHLORIDE
CTRL	CONTROL
CULV	CULVERT
CW	COLD WATER
CY	CUBIC YARDS
D/S	DOWNSTREAM
DBL	DOUBLE
DEPT	DEPARTMENT
DET	DETECTOR
DI	DRAINAGE INLET / DUCTILE IRON
DIA	DIAMETER
DIST	DISTRICT
DN	DOWN
DOM	DOMESTIC
DWG	DRAWING
DWY	DRIVEWAY
E	EAST / EASTING
EA	EACH
EB	EASTBOUND
E–E	EDGE TO EDGE
EG	EXISTING GRADE
EL	ELEVATION
ELEV	ELEVATION / ELEVATOR
ENTR	ENTRANCE
EP	EDGE OF PAVEMENT
EQ	EQUAL
EQN	EQUATION
EQPT	EQUIPMENT
ESTM	EASEMENT
EST	ESTIMATE
EX. / (E)	EXISTING
EXC	EXCAVATION
EXIST	EXISTING
E.W.	EACH WAY
FC	FACE OF CURB
F&G	FRAME & GRATE
FDN	FOUNDATION
FED	FEDERAL
FES	FLARED END SECTION
F–F	FACE TO FACE
FG	FINISHED GRADE (UNPAVED)
FH	FIRE HYDRANT
FL	FLOW LINE
FLG	FLANGE
FM	FORCE MAIN
FR	FRAME
FT	FOOT OR FEET
FTG	FOOTING
fy	YIELD STRENGTH
FW	FIRE WATER
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GM	GAS METER
GND	GROUND
GPM	GALLONS PER MINUTE
GR	GRATE
GRAN	GRANULAR
GRVL	GRAVEL
GUT	GUTTER
ha	HECTARE
HD	HEAD
HDPE	HIGH DENSITY POLYETHYLENE
HDW	HEADWALL
HORIZ	HORIZONTAL
HP	HIGH POINT / HORSE POWER
HPFH	HIGH PRESSURE FIRE HYDRANT
HTTO	HAND–THROWN TURNOUT
HW	HOT WATER
HWE	HIGH WATER ELEVATION
HWL	HIGH WATER LEVEL
ID	INSIDE DIAMETER
IN	INCH
INL	INLET
INS JNT	INSULATED JOINT
INST	INSTALL
INV	INVERT
IP	IRON PIN or PIPE
IR	IRON ROD
IRR	IRRIGATION
IW	INDUSTRIAL WASTE
JT	JOINT/JOINTED
KSI	1000 POUNDS PER SQUARE INCH
kg	KILOGRAM
L	LENGTH
LS	LUMP SUM
LBS	POUNDS
LOC	LOCATION(S)
LF	LINEAR FOOT
LGT	LIGHTING
LN	LANE
LP	LOW POINT / LIGHT POLE
LT	LEFT
M	METER
m2	SQUARE METER
m3	CUBIC METER
MACH	MACHINE
MATL	MATERIAL
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MIX	MIXTURE
MJ	MECHANICAL JOINT
mm	MILLIMETER
MOW	MAINTENANCE–OF–WAY
MPH	MILES PER HOUR
MTCE	MAINTENANCE
MW	MONITORING WELL
N	NORTH / NORTHING
N & C	NAIL & CAP
N & W	NAIL & WASHER
N.I.C.	NOT IN CONTRACT
NB	NORTHBOUND
NE	NORTHEAST
NO.	NUMBER
NOAA	NATIONAL OCEANIC
NOI	NOTICE OF INTENT
NOT	NOTICE OF TERMINATION
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
NTS	NOT TO SCALE
NW	NORTHWEST
NWL	NORMAL WATER LEVEL
O.C.	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFSET
OH	OVERHEAD
OHE	OVERHEAD ELECTRIC
OHT	OVERHEAD TELEPHONE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OWS	OIL WATER SEPARATOR
PAT	PATTERN
PCC	PORTLAND CEMENT CONCRETE
PE	POLYETHYLENE
PED	PEDESTAL / PEDESTRIAN
PERF.	PERFORATED
PERM	PERMANENT
PGL	PROFILE GRADE LINE
PIP	PROTECT IN PLACE
PIV	POST INDICATOR VALVE
PL	PROPERTY LINE
PM	PAVEMENT MARKING
POTO	POWER OPERATED TURNOUT
PP	POWER POLE
PROF	PROFILE
PROJ	PROJECT
PROP.	PROPOSED
PSF	POUND PER SQUARE FOOT
PSI	POUND PER SQUARE INCH
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PVD	PAVED
PVMT	PAVEMENT
PWR	POWER
QTY	QUANTITY
R	RADIUS
RCB	REINFORCED CONCRETE BOX CULVERT
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RDWY	ROADWAY
REINF	REINFORCED
RET	RETAINING
ROW	RIGHT OF WAY
RT	RIGHT
RTE	ROUTE
RW	RETAINING WALL
RWL	RAINWATER LEADER
S	SOUTH / SLOPE
SAN	SANITARY
SB	SOUTHBOUND
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SDCB	STORM DRAIN CATCH BASIN
SDCO	STORM DRAIN CLEANOUT
SDR	STANDARD DIMENSION RATIO
SE	SOUTHEAST
SF	SQUARE FOOT
SHLD	SHOULDER
SHT	SHEET
SIG	SIGNAL
SL	SITE LIGHTING
SL	SURVEY LINE
SQ	SQUARE
SR	STATE ROUTE
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
STA	STATION
STD	STANDARD
STR	STRUCTURE
SURF	SURFACE
SW	SIDEWALK
T	TANGENT
T/	TOP OF
T/P	TOP OF PIPE
TB	TELEPHONE BOX
TBD	TO BE DETERMINED
TC	TOP OF CURB
TCONC	ELEVATION AT TOP OF CONCRETE
TEMP	TEMPORARY
TO	TURNOUT
TP	TOP OF PAVEMENT
TRK.	TRACK
TW	TOP OF WALL
TYP.	TYPICAL
U/S	UPSTREAM
UD	UNDERDRAIN
UE	UNDERGROUND ELECTRIC
UG	UNDERGROUND
UPRR	UNION PACIFIC RAILROAD
USGS	U.S. GEOLOGICAL SURVEY
UT	UNDERGROUND TELEPHONE
UTIL	UTILITY
VCP	VETRIFIED CLAY PIPE
VAR	VARIANCE
VEH	VEHICLE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VLT	VAULT
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INCIDENCE
VPT	VERTICAL POINT OF TANGENT
W	WEST
W	WIDTH
W/	WITH
W/O	WITHOUT
WB	WESTBOUND
WM	WATER MAIN
WSEL	WATER SURFACE ELEVATION
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
X–ING	CROSSING
X–OVER	CROSSOVER
YD	YARD

LINESTYLES

LINESTYLE	PROPOSED	EXISTING
CABLE TV	TV	TV
CABLE TV OVERHEAD	OTV	OTV
CENTER LINE		
CLEARANCE ENVELOPE		
CONTOUR	25'	25'
DRAINAGE FLOW		
EASEMENT		
FENCE CHAIN LINK		
FENCE	-X-	-X-
FENCE WOVEN WIRE	//	//
FIBER OPTIC	FO	FO
FIRE WATER	F	F
FUEL GAS PIPING	FG	FG
GRADING LIMIT CUT LINE		
GRADING LIMIT FILL LINE		
GUARDRAIL		
HEDGE		
LIMITS OF CONSTRUCTION		
MATCHLINE		
MAJOR CONTOUR		
MINOR CONTOUR		
RAILROAD TRACK		
PIPE ABANDON IN PLACE		
POWER LINE UNDERGROUND	E	E
POWER LINE OVERHEAD	OE	OE
PORT EXTERNAL BOUNDARY		
PROPERTY		
RAIL RELAY		
REMOVE TRACK		
RETAINING WALL		
RETENTION DITCH		
RIGHT OF WAY (BNSF)		
SANITARY SEWER	SS	SS
SANITARY SEWER FLOW		
SHEET PILE LIMITS		
SHIFT TRACK		
SLOPE	2%	
STORM DRAIN	SD	SD
STORM DRAIN FLOW		
TELEPHONE LINE	T	T

LINESTYLES (CONTINUED)

LINESTYLE	PROPOSED	EXISTING
TELEPHONE LINES OVERHEAD	OT	OT
TREE LINE		
UNDERDRAIN	UD	UD
WATER LINE	W	W

HATCH PATTERNS

HATCH PATTERN	PROPOSED	EXISTING
AGGREGATE BASE/SUBALLAST		
ASPHALT CONCRETE PAVEMENT		
BALLAST		
BUILDING OUTLINE		
COMPACTED FILL/GROUND		
CONCRETE PAVEMENT		
FUTURE WORK		
LANDSCAPING		
LIMIT OF ASPHALT		
OVER–EXCAVATION		
PERMEABLE ROCK/GRAVEL		
RIPRAP		
SAND		
STEEL		
WOOD		

SYMBOLS

SYMBOL	PROPOSED	EXISTING
CPUC NO. 8		
CPUC NO. 8a		
CPUC NO. 9		
CPUC NO. 9a		
ELECTRIC BOX	E	E
ELECTRIC METER	E	E
FIRE DEPARTMENT CONNECTION		
FORCE BLOCK		
FUEL MANHOLE	FG	FG
FUEL VALUE	FG	FG
FUTURE TURNOUT		
GUY WIRE		
HEADWALL		
LANDSCAPE DRAIN		
LUMINAIRE		
MANUAL TURNOUT (HTTO)		
MANUAL DERAIL		
POLE–MOUNDED LUMINAIRE		
POST INDICATING VALVE	PIV	PIV
POWER DERAIL		
POWER POLE		
POWER TURNOUT (POTO)		
REDUCER		
REMOVE TURNOUT		
SANITARY SEWER MANHOLE		
SERVICE BOX	S	S
SIGN(S) ON POLE		
STORM DRAIN CATCH BASIN 24"X24"		
STORM DRAIN CATCH BASIN 24"X36"		
STORM DRAIN MANHOLE		
STORM DRAIN MANHOLE WITH GRATE		
STORM DRAIN CLEANOUT	CO	CO
SURVEY CONTROL POINT		
TRAFFIC DIRECTION		
TREE		
TV MANHOLE	TV	TV
UTILITY POTHOLE / BORING		
WATER BACKFLOW PREVENTER		
WATER MANHOLE	W	W
WATER METER	W	W
WATER VALVE	W	W

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LICENSED PROFESSIONAL ENGINEER — ARKAPRABHA GHOSH — C91571 — Exp. 09/30/26 — CIVIL ENGINEER — STATE OF CALIFORNIA

SUBCONSULTANT:

SUBCONSULTANT:

PRIME CONSULTANT:

PROFESSIONAL SEAL:

ISSUED FOR BID
NOT FOR CONSTRUCTION
-
08/31/2026

ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:

LEGEND AND ABBREVIATIONS SHEET

PROJ NO: 21273	SHEET NO. G-003
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 3 of 94
DESIGNED BY: AG	

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSadiq
8/18/2026 - 4:13:51 PM - pw://JMA-PW-APP.jmadm.com:JMA-PW/Documents/Projects/21273-HDRPoS/RailSheets/LLDT/G-003 Legend & Abbreviations.dgn

UTILITIES NOTES:

COMPLY WITH PORT OF STOCKTON PROJECT SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. VERIFICATION OF EXISTING UTILITY LINES: UTILITY LINES MAY BE PRESENT, EVEN IF NOT SHOWN ON THE DRAWINGS. THESE COULD INCLUDE FIBER OPTIC, FUEL, GAS OR SIMILAR LINES. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY OWNER PRIOR TO CONSTRUCTION MOBILIZATION. NO WORK IN PROXIMITY TO EXISTING UTILITIES SHALL BE PERFORMED WITHOUT OWNER APPROVAL.

2. EXCAVATION NEAR ACTIVE UTILITIES: ALL EXCAVATION NEAR EXISTING CABLES OR OTHER NON-ABANDONED EXISTING UTILITY LINES SHALL BE PERFORMED BY HAND. ALL CABLES OR OTHER EXISTING UTILITY LINES THAT ARE DAMAGED SHALL BE REPAIRED IMMEDIATELY, UNDER THE UTILITY OWNER'S DIRECTION AND AT THE CONTRACTOR'S EXPENSE. DURING THE PERIOD OF TIME THAT EXISTING CABLES OR UTILITIES ARE OUT OF SERVICE, DUE TO THE CONTRACTOR'S OPERATIONS, ALL CONTRACT WORK SHALL BE SUSPENDED UNLESS OTHERWISE DIRECTED BY THE OWNER. THE CONTRACTOR SHALL NOT BE ALLOWED TO MAKE CLAIMS FOR EXTRA COSTS OR TIME EXTENSIONS DUE TO SUCH STOPPAGES OF WORK.

3. WORK BY UTILITY COMPANIES: MODIFICATIONS TO OR RELOCATIONS OF EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE UTILITY OWNER, WHERE NOTED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE UTILITY OWNER SUFFICIENTLY IN ADVANCE OF THE SCHEDULE FOR SUCH REMOVALS OR RELOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREMIUM COSTS WHICH BECOME NECESSARY AS A RESULT OF THE CONTRACTOR'S FAILURE TO NOTIFY THE UTILITY COMPANY. ALL OTHER UTILITIES NOTED ON THE PLANS TO BE RELOCATED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

4. EXISTING UTILITY POINTS OF CONNECTION AND CROSSINGS: CONTRACTOR SHALL POTHOLE AND SURVEY THE LOCATION OF ALL UTILITY POINTS OF CONNECTION AND CROSSING UTILITIES INCLUDING SIZE, MATERIAL AND INVERT ELEVATIONS, AND PROVIDE TO OWNER PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE UTILITY OWNER PRIOR TO PERFORMING ANY POTHOLE WORK.

CONSTRUCTION PHASING NOTES:

1. WORKING IN CONCERT WITH THE OWNER, DEVELOP A DETAILED PROPOSED CRITICAL PATH METHOD (CPM) CONSTRUCTION SCHEDULE PRIOR TO STARTING WORK AND SUBMIT TO OWNER FOR REVIEW. SCHEDULE SHALL COMPLY WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS, SHALL BE IN MICROSOFT PROJECT FORMAT. SCHEDULE SHALL INDICATE CONCURRENT RELATED WORK BY OTHERS. OWNER'S COMMENTS ON THE SCHEDULE SHALL BE INCORPORATED INTO A FINAL SCHEDULE. SCHEDULE SHALL BE UPDATED AND RESUBMITTED TO REFLECT ANTICIPATED CHANGES THAT OCCUR DURING CONSTRUCTION.

2. CONTRACTOR TO PROVIDE THE OWNER WITH A PHASING PLAN FOR TRACK CONSTRUCTION, INDICATING THE SCHEDULE AND DURATION FOR ANY TRACK OUTAGES. CONTRACTOR SHALL COORDINATE WITH THE OWNER THE MAXIMUM ALLOWABLE CUTOVER WINDOW PRIOR TO CONSTRUCTION AND IS CONTINGENT ON WRITTEN APPROVAL.

3. THE CONSTRUCTION SEQUENCE DESCRIBED BELOW IS INTENDED AS A GENERAL DESCRIPTION OF ACTIVITIES AND TIMEFRAMES. ACTUAL OPERATING CONDITIONS AND PROGRESS OF OTHER CONSTRUCTION CONTRACTS MAY DICTATE ADJUSTMENTS TO THE PLANNED CONSTRUCTION SEQUENCE. ITEMS NOTED IN PARENTHESES ARE ACTIVITIES BY OTHERS THAT MAY AFFECT THE TIMING OF CONSTRUCTION UNDER THIS CONTRACT.

   A. NOTIFY IMPACTED RAIL TENANTS, ROADWAY USERS, RAILROAD, AND OWNER BEFORE PERFORMING WORK TO CONNECT NEW TRACKS WITH EXISTING TRACKS.
   B. ESTABLISH TRAFFIC CONTROL BEFORE COMMENCING WORK WHEN IMPACTING ROADWAYS.
   C. CONSTRUCT NEW TRACK WITHIN 14' (BNSF RIGHT OF WAY) AND 14' (PORT PROPERTY) CLEAR OF EXISTING ADJACENT TRACK AND ROADWAYS.
   D. PERFORM TRACK CUTOVERS AND ESTABLISH CONNECTIONS OF NEW TRACKS WITH EXISTING TRACKS.

EROSION CONTROL PRE-CONSTRUCTION NOTES:

1. PRE-CONSTRUCTION INSPECTION: CONDUCT A PRE-CONSTRUCTION INSPECTION AND BECOME FAMILIAR WITH EXISTING CONDITIONS.

2. STORM WATER NOTICE OF INTENT (NOI): THE CONTRACTOR SHALL FILE THE NOI AND OBTAIN A WDID NUMBER FROM THE STATE. MAINTAIN A COPY OF THE NOI ON-SITE AT ALL TIMES DURING ANY EARTH MOVING ACTIVITIES.

3. STORM WATER POLLUTION PREVENTION PLAN (SWPPP): THE CONTRACTOR SHALL PREPARE THE SWPPP. THE SWPPP SHALL BE PREPARED BY A QUALIFIED SWPPP DEVELOPER (QSD). MAINTAIN A COPY OF THE SWPPP ON-SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

4. QUALIFIED SWPPP PRACTITIONER (QSP): THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A STATE-CERTIFIED QSP TO ADMINISTER THE SWPPP AND PERFORM ALL INSPECTIONS, SAMPLING AND REPORTS REQUIRED BY THE STATE WATER BOARD.

5. EMERGENCY CONTACT INFORMATION: POST ALL CONTRACTOR'S EMERGENCY CONTACT INFORMATION AT THE CONSTRUCTION SITE AND PROVIDE TO OWNER FOR USE IN CASE OF EMERGENCY.

6. ESTABLISHMENT OF WORK AREAS: BORROW PITS, EQUIPMENT STORAGE SITES, PLANT SITES, HAUL ROADS, WASH-DOWN AREAS AND OTHER SPECIAL WORK AREAS SHALL BE INSTALLED BY THE CONTRACTOR AND APPROVED BY THE OWNER PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AT THE SITE.

7. ESTABLISHMENT OF EMERGENCY RESOURCES: EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE READILY AVAILABLE AT ALL TIMES DURING THE RAINY SEASONS. STOCKPILE EXTRA MATERIALS AT ACCESSIBLE LOCATIONS ON-SITE TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.

EROSION CONTROL NOTES:

1. CONTRACTOR SHALL PREPARE AN EROSION CONTROL PLAN AND SUBMIT TO OWNER FOR APPROVAL PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL IMPLEMENT EROSION CONTROL MEASURES FOR GRADING YEAR-ROUND.

2. END OF DAY PROCEDURES: AT THE END OF EACH WORKING DAY WHEN THE TWO (2) DAY RAIN PROBABILITY FORECAST EXCEEDS FIFTY (50) PERCENT, VERIFY THAT ALL REMOVABLE PROTECTIVE DEVICES ARE IN PLACE.

3. CLEARING OF DEBRIS AFTER RAIN: REMOVE ALL SILT AND DEBRIS FROM EROSION CONTROL DEVICES AFTER EACH RAIN EVENT.

4. PERIMETER GRADING: VERIFY THAT AREAS AROUND THE PERIMETER OF THE WORK AREA ARE GRADED TO DRAIN AWAY FROM DISTURBED AREAS AT THE CONCLUSION OF EACH WORKING DAY.

5. PUBLIC PROTECTION: TAKE ALL NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER COULD CREATE HAZARDOUS CONDITIONS.

6. WEEKLY INSPECTION: INSPECT EROSION CONTROL FACILITIES AT LEAST WEEKLY, AND AFTER EVERY RAINFALL EVENT GREATER THAN 0.5 INCHES.

7. MAINTENANCE OF TEMPORARY EROSION CONTROL FACILITIES: MAINTAIN ALL TEMPORARY EROSION CONTROL FACILITIES TO PREVENT EROSION AND TO CONTROL SILTATION AT ALL TIMES DURING CONSTRUCTION. MAKE REPAIRS WHEN NEEDED AND REMOVE TRAPPED SEDIMENT AT ANY TIME THE FACILITY'S CAPACITY IS REDUCED BY 25%.

8. STORM DRAIN STRUCTURE PROTECTION: PROMPTLY PROTECT ALL EXISTING AND NEW STORM DRAIN STRUCTURES WITH SILT FENCE OR OTHER INLET PROTECTION. DEVICES SHALL BE MAINTAINED UNTIL TRUCKING, EARTHWORK AND PAVING OPERATIONS ARE COMPLETED. PLACE ROCK CHANNEL PROTECTION AT THE ENDS OF ALL STORM DRAIN INLETS UPON COMPLETION OF INSTALLATION.

9. OWNER, ENGINEER AND PERMIT AGENCY MODIFICATIONS: THE OWNER, ENGINEER AND LOCAL AGENCY REPRESENTATIVES RESERVE THE RIGHT TO DIRECT CHANGES OR MODIFICATIONS TO EROSION AND SEDIMENTATION FACILITIES AND PROCEDURES AS DEEMED NECESSARY.

10. MANUFACTURED SLOPES: PROVIDE TEMPORARY EROSION PROTECTION AT ALL MANUFACTURED SLOPES PRIOR TO PERMANENT PLANTING.

11. MAINTAIN EXISTING DRAINAGE FEATURES: NO OBSTRUCTION OR DISTURBANCE OF NATURAL DRAINAGE COURSES OR EXISTING STORM DRAIN INLETS SHALL OCCUR DURING THE RAINY SEASON, UNLESS ADEQUATE TEMPORARY/ PERMANENT DRAINAGE FACILITIES HAVE BEEN APPROVED AND INSTALLED TO CARRY SURFACE WATER TO THE NEAREST PRACTICAL STREET, STORM DRAIN OR NATURAL WATER COURSE.

12. CONTROL OF RUNOFF: THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH A MANNER THAT STORM RUNOFF WILL BE CONTAINED WITHIN THE PROJECT OR CHANNELED INTO THE STORM DRAIN SYSTEM WHICH SERVES THE RUNOFF AREA. STORM RUNOFF FROM ONE AREA SHALL NOT BE ALLOWED TO DIVERT TO ANOTHER RUNOFF AREA.

13. THE CONTRACTOR'S VEHICLES LEAVING THE SITE AT ANY TIME SHALL BE HOSED AND WASHED CLEAN OF MUD AND DIRT CLINGING TO WHEELS AND EXTERIOR BODY SURFACE.

14. ALL TRUCKS LEAVING THE SITE SHALL BE LOADED IN A MANNER THAT WILL PREVENT DROPPING OF MATERIALS ON THE STREETS AND, WHEN NECESSARY, SHALL HAVE SUITABLE TARPAULINS FASTENED OVER THE LOAD BEFORE ENTERING SURROUNDING PAVED STREETS. TRUCKS BRINGING MATERIAL OVER PAVED STREETS TO THE SITE SHALL BE SIMILARLY LOADED AND COVERED.

15. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS CONTINUOUSLY FREE OF DIRT AND DEBRIS RESULTING FROM THEIR OPERATIONS AND MUST PROVIDE STREET CLEANING AS NECESSARY AS DIRECTED BY THE OWNER.

16. ALL SURPLUS OR REJECTED MATERIAL, REFUSE TOOLS, AND DEBRIS THAT MAY ACCUMULATE ON THE PREMISES DURING THE CONSTRUCTION PERIOD SHALL BE REMOVED FROM TIME TO TIME, AND ON COMPLETION OF WORKS ALL DEBRIS SHALL SE REMOVED AND THE PREMISES THOROUGHLY BROOM-CLEANED.

17. CONFORMANCE WITH THE REQUIREMENTS OF THIS PLAN SHALL IN NO WAY RELIEVE THE CONTRACTOR FROM THEIR RESPONSIBILITIES TO THIS SITE AND ADJACENT PROPERTIES. TEMPORARY EROSION CONTROL SHALL CONSIST OF, BUT NOT LIMITED TO, CONSTRUCTING SUCH FACILITIES AND TAKING SUCH MEASURES AS DEEMED NECESSARY TO PREVENT, CONTROL AND ABATE WATER, MUD AND EROSION DAMAGE TO PUBLIC AND PRIVATE PROPERTY AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT.

18. SLOPES CONSTRUCTED PRIOR TO OCTOBER 1 SHALL BE TREATED FOR EROSION CONTROL, SLOPES CONSTRUCTED AFTER OCTOBER 1 SHALL BE TREATED FOR EROSION CONTROL IN INCREMENTS OF 25 FEET OR LESS MEASURED VERTICALLY, AS THE CONSTRUCTION OF SLOPE PROGRESSES.

19. FILL AREAS, WHILE BEING BROUGHT UP TO GRADE AND DURING PERIODS OF COMPLETIONS PRIOR TO FINAL GRADE, SHALL BE PROTECTED BY VARIOUS MEASURES TO ELIMINATE EROSION AND THE SILTATION OF DOWNSTREAM FACILITIES AND ADJACENT AREAS. THESE MEASURES MAY INCLUDE BUT SHALL NOT BE LIMITED TO:

   A. TEMPORARY DOWNDRAINS, EITHER IN THE FORM OF PIPES OR PAVED DITCHES WITH PROTECTED OUTFALL AREAS;
   B. GRADED BERMS AROUND AREAS TO ELIMINATE EROSION OF FILL SLOPES BY SURFACE RUNOFF;
   C. CONFINED PONDING AREAS TO DESILT RUNOFF;
   D. TEMPORARY CHECKS DAMS IN TOE OF SLOPE DITCHES TO DESILT RUNOFF;
   E. PROTECTIONS SUCH AS SANDBAGS AROUND INLETS WHICH HAVE NOT BEEN BROUGHT UP TO GRADE; AND
   F. EARTH BERMS AND APPROPRIATE GRADING TO DIRECT DRAINAGE AWAY FROM THE EDGE OF THE TOP OF SLOPES TO BE CONSTRUCTED AND MAINTAINED.

20. CLEARING AND GRUBBING SHOULD BE LIMITED TO AREAS THAT WILL RECEIVE IMMEDIATE GRADING. EROSION CONTROL MEASURES WILL BE REQUIRED TO PROTECT AREAS WHICH HAVE BEEN CLEARED AND GRUBBED PRIOR TO GRADING OPERATION, AND WHICH ARE SUBJECT TO RUNOFF DURING THE PERIOD OF THE RAINY SEASON. THESE MEASURES MAY INCLUDE, BUT SHALL NOT BE LIMITED TO, GRADED DITCHES, BRUSH BARRIERS AND SILT FENCES. CARE SHALL BE EXERCISED TO PRESERVE VEGETATION BEYOND THE LIMITS OF GRADING.

21. THE PERMIT AGENCY APPROVAL OF PLANS DOES NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE CORRECTION OF ERRORS AND OMISSIONS DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE REQUIRED PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE PERMIT AGENCY FOR APPROVAL.

22. ALL GRADED SLOPE AREAS SHALL BE HYDROSEEDED UNLESS SUFFICIENT NATURAL VEGETATION HAS BEEN ESTABLISHED AS DETERMINED BY THE PERMIT AGENCY INSPECTOR.

23. SANDBAGS SHALL NOT BE PLACED AT CONTRACTOR'S ACCESS TO THE SITE. CONTRACTOR'S ACCESS LOCATION TO BE APPROVED BY THE PERMIT AGENCY.

RAILROAD OPERATIONS NOTES:

1. MAINTAIN RAILROAD OPERATIONS: THE CONTRACTOR'S WORK SHALL NOT INTERRUPT THE OPERATIONS OF THE RAILROAD WITHOUT PRIOR WRITTEN APPROVAL FROM THE RAILROAD REPRESENTATIVE.

2. RAILROAD SAFETY: COMPLY WITH ALL RAILROAD SAFETY REQUIREMENTS FOR OPERATIONS NEAR LIVE TRACK.

3. CONTRACTOR SAFETY TRAINING: ALL WORK WITHIN RAILROAD RIGHT-OF-WAY IS SUBJECT TO FEDERAL RAILWAY ADMINISTRATION (FRA) JURISDICTION AND HAS SPECIAL TRAINING AND SAFETY REQUIREMENTS. ALL CONSTRUCTION PERSONNEL ON SITE SHALL HAVE SUCCESSFULLY COMPLETED THE RAILROAD ON-LINE SAFETY COURSE. (WWW.CONTRACTORORIENTATION.COM). ALL PERSONNEL SHALL CARRY PAPER RECORD OF COURSE COMPLETION AT ALL TIMES WHILE ON SITE.

4. CONTRACTOR SECURITY CLEARANCE: ALL CONTRACTORS DOING WORK WITHIN THE RAILROAD RIGHT-OF-WAY ARE REQUIRED TO COMPLETE THE E-RAILSAFE SECURITY CLEARANCE PROCESS. CONTRACTORS MUST DISPLAY THEIR VALID ID BADGES AT ALL TIMES WHEN ON RAILROAD PROPERTY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL SUBCONTRACTORS HAVE VALID E-RAILSAFE ID BADGES AND TRANSPORTATION WORKER IDENTIFICATION CREDENTIAL (TWIC) CARDS FOR WORK PERFORMED IN SECURE AREAS.

5. FLAGGING: MAKE ARRANGEMENTS FOR FLAGGING WITH THE RAILROAD. FLAGGING IS REQUIRED WHEN PERSONNEL OR EQUIPMENT ARE WORKING WITHIN 25 FEET OF CENTER OF THE MAIN LINE OR ANY OTHER ACTIVE TRACK OR IF A PIECE OF EQUIPMENT LOCATED GREATER THAN 25 FEET HAS THE POTENTIAL TO FOUL THE TRACKS. ALL FLAGGING COSTS ARE AT THE CONTRACTOR'S EXPENSE.

6. RIGHT-OF-ENTRY: WRITTEN RIGHT-OF-ENTRY FROM THE RAILROAD SHALL BE OBTAINED BY THE CONTRACTOR FOR ALL WORK WITHIN RAILROAD RIGHT-OF-WAY PRIOR TO THE START OF CONSTRUCTION.

7. CLEARANCES: MAINTAIN ALL HORIZONTAL AND VERTICAL CLEARANCES IN ACCORDANCE WITH THE RAILROAD AND CALIFORNIA PUBLIC UTILITIES COMMISSION REQUIREMENTS.

8. TRAINMAN'S WALKWAYS: PROVIDE/MAINTAIN ALL WALKWAYS ADJACENT TO TRACKS IN ACCORDANCE WITH RAILROAD REQUIREMENTS AND CALIFORNIA PUBLIC UTILITIES COMMISSION GENERAL ORDER 118. NO OBSTRUCTIONS ARE PERMITTED IN THE WALKWAY WITHIN 8"-6" OF THE TRACK CENTER LINE.

9. PROTECT EXISTING TRACKS: CONTRACTOR SHALL PROVIDE SHORING PER RAILROAD GENERAL SHORING REQUIREMENTS. A SHORING DESIGN PLAN AND CALCULATIONS, SIGNED BY A LICENSED ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED SHALL BE SUBMITTED FOR RAILROAD APPROVAL PRIOR TO START OF THE CONSTRUCTION. NO EXCAVATION SHALL TAKE PLACE CLOSER THAN 12 FEET FROM THE CENTERLINE OF EXISTING TRACKS. EXCAVATIONS SHALL NOT BE LEFT UNATTENDED.

RAILROAD MATERIALS NOTES:

1. OWNER AND RAILROAD SUBMITTALS: SUBMIT PRODUCT DATA AND SHOP DRAWINGS TO OWNER AND RAILROAD FOR APPROVAL PRIOR TO CONSTRUCTION FOR ALL MATERIALS SHOWN ON THE PLANS, INCLUDING, BUT NOT LIMITED TO RAIL, TIES, TURNOUTS, BUMPING POSTS, DERAILS, FASTENERS, OTHER TRACK MATERIALS, CROSSING PANELS, SUBBALLAST AND BALLAST.

2. TRACK WORK MATERIALS AND CONSTRUCTION: ALL TRACK WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH UPRR STANDARDS. INDUSTRIAL TRACK MATERIALS SHALL COMPLY WITH UPRR TECHNICAL SPECIFICATIONS FOR CONSTRUCTION OF INDUSTRIAL TRACKS.

3. COMPACTION SPECIFICATION: ALL COMPACTION VALUES LISTED ON THE PLANS REFERENCE THE PERCENTAGE OF MAXIMUM DRY DENSITY COMPACTION PER ASTM D-1557 BASED ON A UNIFORM MOISTURE CONTENT OF WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT, UNLESS OTHERWISE NOTED.

4. CLEARING AND GRUBBING: PROVIDE CLEARING OF VEGETATION AND WEED REMOVAL IN ALL AREAS OF CONSTRUCTION. RESTORE ALL DITCH AND FINISHED GRADES AND RECOMPACT SURFACES AFTER REMOVAL OF VEGETATION.

5. ENGINEERED FILL: ON-SITE OR IMPORTED GRANULAR NON-EXPANSIVE SOIL, FREE OF ORGRANIC MATERIAL, WITH A MAXIMUM PLASTICITY INDEX OF 8, A MAXIMUM LIQUID LIMIT OF 40, WITH 100% PASSING THE 4-INCH SIEVE, 70% TO 100% PASSING THE 3/4" SIEVE, 15% TO 70% PASSING THE NO.40 SIEVE, BETWEEN 10% AND 40% PASSING THE NO. 200 SIEVE AND A MINIMUM RESISTANCE VALUE (R-VALUE) OF 40, OR AS APPROVED BY THE GEOTECHNICAL ENGINEER. FOR IMPORT MATERIALS, SUBMIT TEST DATA TO OWNER FOR REVIEW PRIOR TO IMPORT OF MATERIALS TO THE SITE.

6. SUBGRADE COMPACTION: IN CUT, SCARIFY A MINIMUM OF 6" BELOW THE TOP OF PROPOSED SUBGRADE AND RECOMPACT TO A MINIMUM OF 95% OF MAXIMUM DENSITY PER ASTM D-1557 OR AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. IN FILL, COMPACT THE TOP 3 FEET TO A MINIMUM OF 95% OF MAXIMUM DENSITY PER ASTM D-1557, OR AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL CONTACT THE RAILROAD FOR SUBGRADE INSPECTION PRIOR TO THE PLACEMENT OF SUBBALLAST.

7. SUBBALLAST: SUBBALLAST MATERIAL SHALL MEET THE REQUIREMENTS OF STANDARD DRAWING 0010. SUBBALLAST SHALL BE CONSTRUCTED IN TWO OR MORE LIFTS OF APPROXIMATE EQUAL THICKNESS. THE MAXIMUM COMPACTED THICKNESS OF ANY ONE LIFT SHALL NOT EXCEED 6 INCHES AND SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE MAXIMUM DENSITY AND TO WITHIN 2% OF OPTIMUM MOISTURE CONTENT PER ASTM D-1557. THE CONTRACTOR SHALL CONTACT THE RAILROAD FOR SUBBALLAST INSPECTION PRIOR TO THE PLACEMENT OF TRACKWORK.

8. HERBICIDE: APPLY HERBICIDE AT SUBGRADE AND AT ALL DITCHES. USE COMMERCIALLY AVAILABLE CHEMICAL FOR WEED CONTROL WHICH COMPLIES WITH ALL ENVIRONMENTAL PROTECTION AGENCY REGULATIONS. PROVIDE IN GRANULAR, LIQUID OR WETTABLE POWDER FORM. APPLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

9. CULVERTS: BITUMINOUS COATED, ANNULAR ALUMINIZED PIPE CONFORMING TO AREMA CHAPTER 1, PART 4.

10. STORM DRAIN LINES: SUBSURFACE STORM DRAIN LINES THAT CROSS THE RAIL ALIGNMENT SHALL BE CLASS V RCP.

11. CWR RAIL: ALL CONTINUOUS WELDED RAIL (CWR) SHALL BE NEW, 136 LB. RE, CONTROL COOLED, WHICH MEETS OR EXCEEDS AREMA CLASS I SPECIFICATIONS. FULLY WELD ALL JOINTS, INCLUDING TURNOUTS. CONTRACTOR'S WELDERS SHALL BE RAILROAD CERTIFIED AND SHALL USE RAILROAD APPROVED WELDING KITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD WELDS, TESTING, AND REPORTS.

12. RAIL: JOINTED RAIL SHALL BE 136 LB. RE MINIMUM WEIGHT, NEW OR NO. 1 RELAY RAIL, CONTROL COOLED, WHICH MEETS OR EXCEEDS AREMA CLASS I SPECIFICATIONS.

13. TRACK GAUGE: LAY TRACK TO A STANDARD GAUGE OF 56-1/2 IN TANGENT AND AS SPECIFIED BY RAILROAD STANDARDS IN CURVES.

14. TURNOUTS: ALL TURNOUTS SHALL BE NO. 9 TURNOUTS, UNLESS DEPICTED ON PLANS AS NO. 7, OF WEIGHT 136 LB. WITH 22E, 36E, 1003 OR 1004 SWITCH STANDS, AS DIRECTED BY THE RAILROAD, IN COMPLIANCE WITH RAILROAD STANDARDS. TURNOUTS SHALL USE THE SAME RAIL SECTION ON THE RUNNING RAIL, CLOSURE RAILS AND TURNOUT COMPONENTS THROUGH THE BODY OF THE TURNOUT. COMPROMISE JOINT BARS SHALL BE USED WHEN RAILS OF DISSIMILAR RAIL SECTIONS ARE CONNECTED. ALL TURNOUT COMPONENTS SHALL BE NEW OR CERTIFIED RECONDITIONED MATERIAL. ALL TURNOUT COMPONENTS IN UPRR-OWNED OR MAINTAINED TRACK SHALL BE NEW MATERIAL SUPPLIED BY UNION PACIFIC OR A UNION PACIFIC APPROVED VENDOR.

15. DERAIL: USE DOUBLE SWITCH POINT DERAIL, CONFORMING TO RAILROAD STANDARDS.

16. INDUSTRY TRACK BALLAST: INDUSTRY TRACK BALLAST SHALL BE AREMA GRADATION #4, (AS SHOWN ON EXHIBITS G AND H-1 OF THE UPRR STANDARDS). MATERIAL AND PLACEMENT SHALL COMPLY WITH (UPRR) TECHNICAL SPECIFICATIONS FOR INDUSTRIAL TRACKS. THE ALLOWABLE WEAR BASED ON THE LOS ANGELES ABRASION TEST SHALL NOT BE GREATER THAN 35% PER ASTM C-535. BALLAST SHALL BE QUARRIED ROCK, CRUSHED TO PROPER GRADATION, WITH FULLY FRACTURED FACES. BALLAST CONTAMINATED BY FOREIGN MATERIAL DURING CONSTRUCTION SHALL NOT BE USED ON THE PROJECT. BALLAST SHALL BE UNLOADED, PLACED AND TRACK SURFACED BY THE CONTRACTOR.

17. COORDINATION: COORDINATE ALL TRACKWORK CONSTRUCTION WITH THE OVERALL PROJECT SCHEDULE, WITH THE WORK PERFORMED BY OTHERS AND WITH STAGING REQUIREMENTS.

18. TIES: NEW 7" X 9" X 8'-6" CREOSOTED OAK OR DOUGLAS FIR TIES SHALL BE USED FOR NEW CONSTRUCTION. NEW TIMBER CREOSOTED SWITCH TIES SHALL BE USED TO ACCOMMODATE TURNOUT PATTERN. ALL TIES SHALL HAVE AN APPROVED GANG NAIL ANTI-SPLITTING DEVICE ON EACH END.

19. TIE SPACING: TIE SPACING SHALL BE 21.25" CENTER TO CENTER (22 TIES PER 39 FT RAIL) FOR ALL WOOD TIES, EXCEPT FOR CROSSINGS. TIE SPACING IN CROSSINGS SHALL MATCH THE SPACING REQUIRED FOR THE CROSSING SURFACE PROVIDED.

20. TIE PLATES: ALL TIE PLATES SHALL BE DOUBLE SHOULDERED, PUNCHED FOR THE SIZE OF RAIL BEING USED AND SHALL BE NO SMALLER THAN 2 TIMES THE BASE WIDTH OF THE RAIL.

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PROFESSIONAL SEAL: LICENSED PROFESSIONAL ENGINEER — ARKADARBHA GHOSH — C91571 — Exp 09/30/26 — CIVIL ENGINEER — STATE OF CALIFORNIA

ISSUE: ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON RAIL IMPROVEMENTS
315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE: GENERAL NOTES

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO. G-004
SHEET 4 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSadiq 6/17/2026 - 7:48:42 AM - pw://JMA-PW-APP.jmadk8.com:JMA-PW/Documents/Projects/21273-HDR\PS\Rail\Sheets\LLD\TG-004 General Notes.dgn

PROP. LD01 (CT-101 - CT-104)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
LINEAR	L=326.04	POB	133+28.55	2168915.884	6323469.146	N86.255°E
		PC	136+54.59	2168937.18	6323794.49	N86.255°E
CURVE LD01-01	DELTA = 08°23'38.4" RIGHT DOC = 13°04'03" R = 439.41' L = 64.37' T = 32.24'	PC	136+54.60	2168937.177	6323794.492	N86.255°E
		PI	136+86.84	2168939.283	6323826.675	
		PT	137+18.93	2168936.668	6323858.819	S85.349°E
LINEAR	L=613.36	PT	137+18.91	2168936.668	6323858.813	S85.349°E
		POE	143+32.27	2168886.93	6324470.15	S85.349°E
LINEAR	L=107.38	POB	150+37.11	2168470.27	6325073.38	S11.164°E
		END	151+44.49	2168362.18	6325080.26	S11.164°E
LINEAR	L=94.58	POB	155+15.87	2167999.74	6325161.88	S11.164°E
		POE	156+10.45	2167904.45	6325167.54	S11.164°E
LINEAR	L=296.72	POB	170+81.11	2166443.6	6325360.95	S11.164°E
		TS	173+65.74	2166163.31	6325416.26	S11.164°E
SPIRAL	L=22.00	TS	173+65.74	2166163.31	6325416.26	S11.164°E
		SC	173+87.74	2166141.77	6325420.7	S12.536°E
CURVE LD01-02	DELTA = 78°12'14.4" LEFT DOC = 12°30'00" R = 459.276' L = 626.874' T = 373.27'	SC	173+87.74	2166141.77	6325420.7	S12.536°E
		PI	177+51.10	2165786.28	6325490.67	
		CS	179+91.42	2165782.46	6325852.96	S87.996°E
SPIRAL	L=22.00	CS	179+91.42	2165782.46	6325852.96	S87.996°E
		ST	180+13.42	2165782.04	6325874.95	S89.368°E
LINEAR	L=24.71	ST	180+13.42	2165782.04	6325874.95	S89.368°E
		POE	180+38.17	2165781.78	6325898.63	S89.368°E

TRACK 845 (CT-201)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-4	DELTA =06°21'36.1" RIGHT NO. 9	PT. SW./ POB	0+00.00	2168737.66	6321801.48	S86.312°W
		PITO	0+30.24	2167976.56	6321850.53	
		PF	0+71.56	2168727.54	6321717.47	S79.953°W
LINEAR	L=51.48	PF	0+71.56	2168727.54	6321717.47	S79.953°W
		PC	1+23.04	2168720.21	6321690.6	S79.953°W
CURVE 845	DELTA = 47°12'7.2" LEFT DOC = 15°00'00" R = 383.07' L = 315.58' T = 167.37'	PC	1+23.04	2168720.21	6321690.6	S79.953°W
		PI	2+91.88	2168690.75	6321524.35	
		PT	4+40.19	2168548.16	6321433.93	S32.38°W
LINEAR	L=35.11	PT	4+40.19	2168548.16	6321433.93	S32.38°W
		POE	4+75.30	2168518.51	6321415.125	S32.38°W

TRACK 846 (CT-206)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-7	DELTA =06°21'36.1" LEFT NO. 9	PT. SW./POB	0+00.00	2168836.81	6323338.26	S86.304°W
		PITO	0+30.17	2168834.86	6323308.16	
		PF	0+73.18	2168827.35	6323265.80	S86.304°W
LINEAR	L=54.38	PF	0+73.18	2168827.35	6323265.80	S79.944°W
		PC	1+08+68	2168821.155	6323230.856	S79.944°W
CURVE 846-1	DELTA =06°24'25.2" LEFT DOC = 07°30'00" R = 764.49' L = 82.52' T = 42.69'	PC	1+08+68	2168821.155	6323230.856	S79.944°W
		PI	1+49.98	2168813.489	6323190.271	
		PT	1+91.16	2168810.24	6323149.096	S85.489°W
LINEAR	L=284.14	PT	1+91.16	2168810.24	6323149.096	S85.489°W
		PC	4+75.29	2168791.967	6322865.554	S85.489°W
CURVE 846-2	DELTA =06°11'06" RIGHT DOC = 07°30'00" R = 764.49' L = 82.52' T = 41.30'	PC	4+75.29	2168791.967	6322865.554	S85.489°W
		PI	8+85.18	2168772.797	6322456.298	
		PT/POE	11+47.53	2168364.646	6322420.645	S04.992°W

PROP. LD02 (CT-111 - CT-114)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
LINEAR	L=264.12	POB	60+51.61	2168935.04	6323549.11	N86.260°E
		PT. SW.	63+15.73	2168952.27	6323812.67	N86.260°E
TURNOUT T-14	DELTA =06°21'36.1" LEFT NO. 9	PT. SW.	63+15.73	2168952.27	6323812.67	N86.260°E
		PITO	63+54.18	2168142.00	6323849.35	
		PF	63+88.30	2168952.28	6323885.74	S87.395°E
LINEAR	L=34.5	PF	63+88.30	2168952.28	6323885.74	S87.395°E
		PC	64+22.79	2168950.74	6323919.59	S87.395°E
CURVE LD02-1	DELTA = 02°02'46" RIGHT DOC = 03°30'00" R = 1637.28' L = 58.46' T = 29.23'	PC	64+22.79	2168950.74	6323919.59	S87.395°E
		PI	64+52.03	2168949.41	6323948.79	
		PT	64+81.25	2168947.04	6323977.93	S85.349°E
LINEAR	L=512.51	PT	64+81.25	2168947.04	6323977.93	S85.349°E
		PC	69+93.76	2168905.49	6324488.74	S85.349°E
CURVE LD02-2	DELTA = 33°03'50" RIGHT DOC = 12°00'00" R = 478.34' L = 276.04' T = 141.98'	PC	69+93.76	2168905.49	6324488.74	S85.349°E
		PI	71+35.74	2168893.97	6324630.26	
		PT	72+69.29	2168807.12	6324742.57	S52.285°E
LINEAR	L=70.58	PT	72+69.29	2168807.12	6324742.57	S52.285°E
		PC	73+39.87	2168763.94	6324798.4	S52.285°E
CURVE LD02-3	DELTA = 41°07'16" RIGHT DOC = 12°00'00" R = 478.34' L = 343.3' T = 179.54'	PC	73+39.87	2168763.94	6324798.4	S52.285°E
		PI	75+19.40	2168654.11	6324940.43	
		PT	76+82.75	2168477.96	6324975.11	S11.139°E
LINEAR	L=713.66	PT	76+82.75	2168478.49	6324974.65	S11.139°E
		POE	83+96.41	2167777.61	6325113.01	S11.139°E
LINEAR	L=272.27	POB	97+40.14	2166463.64	6325371.97	S11.139°E
		TS	100+01.37	2166203.02	6325423.06	S11.139°E
SPIRAL	L=22.00	TS	100+01.37	2166203.02	6325423.06	S11.139°E
		SC	100+23.37	2166181.47	6325427.48	S12.512°E
CURVE LD02-4	DELTA = 77°22'20" LEFT DOC = 12°30'00" R = 459.28' L = 620.37' T = 367.90'	SC	100+23.37	2166181.47	6325427.48	S12.512°E
		PI	103+80.36	2165831.22	6325496.27	
		CS	106+20.55	2165822.25	6325853.09	S87.159°E
SPIRAL	L=22.00	CS	106+20.55	2165822.25	6325853.09	S87.159°E
		ST	106-42.55	2165821.51	6325875.07	S88.531°E
LINEAR	L=123.33	ST	106-42.55	2165821.51	6325875.07	S88.531°E
		POE	107+54.89	2165818.62	6325987.99	S88.531°E

TRACK 3 (CT-202)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-13	DELTA =08°09'19.8" LEFT NO. 7	PT. SW./ POE	0+00.00	2168928.97	6323953.56	N85.332°W
		PITO	0+31.17	2168931.51	6323922.40	
		PF	0+66.17	2168929.22	6323887.45	S86.237°W
LINEAR	L=421.68	PF	0+66.17	2168929.22	6323887.45	S86.237°W
		POE	4+87.85	2168901.65	6323466.66	S86.237°W

TRACK 4 (CT-202)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-12	DELTA =08°09'19.8" LEFT NO. 7	PT. SW./POE	0+00.00	2168912.60	6323768.52	S78.667°W
		PITO	0+31.27	2168906.14	6323737.93	
		PF	0+66.27	2168903.845	6323702.996	S86.237°W
LINEAR	L=398.85	PF	0+66.27	2168903.845	6323702.996	S86.237°W
		POE	4+65.12	2168877.672	6323305.011	S86.237°W

DESIGN NOTES:

1. SPEED FOR ALL TRACKS IS 10 MPH.
2. Ea FOR LD01 AND LD02 AT THE PORT ENTRANCE IS 0.50". Ea FOR ALL OTHER TRACKS IS 0.00".

HammadSadiq
8/17/2026 - 4:23:31 PM - pw://JMA-PW-APP.jmadirect.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD/TG-001 Track Geometry Table.dgn

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PRIME CONSULTANT:

LICENSED PROFESSIONAL ENGINEER
ARKAPRABHA GHOSH
C91571
Exp. 09/30/26
CIVIL ENGINEER
STATE OF CALIFORNIA
PROFESSIONAL SEAL:

ISSUED FOR BID
NOT FOR CONSTRUCTION
-
08/31/2026
ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
TRACK GEOMETRY TABLE

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO.
G-005
SHEET 5 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

TRACK 5 (CT-201 - CT-202)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
LINEAR	L=430.45	POB	4+22.80	2168789.06	6322174.64	S86.257°W
		POE	8+53.25	2168760.97	6321745.19	S86.257°W
LINEAR	L=296.21	POB	19+86.72	2168863.06	6323305.77	S86.257°W
		PF	22+82.93	2168882.40	6323601.35	S86.257°W
TURNOUT T-9	DELTA =08°09'19.8" LEFT NO. 7	PF	22+82.93	2168882.40	6323601.35	S86.257°W
		PITO	23+16.11	2168884.67	6323636.24	
		PT. SW./POE	23+47.17	2168891.14	6323666.87	S78.667°W

TRACK 6 (CT-201 - CT-202)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-3	DELTA =06°21'36.1" LEFT NO. 9	PT. SW./POB	2+74.36	2168731.63	6321513.14	S86.249°W
		PITO	3+04.53	2168733.61	6321543.24	
		PF	3+47.18	2168736.40	6321585.90	S86.249°W
LINEAR	L=281.09	PF	3+47.18	2168736.40	6321585.90	S86.249°W
		PF	6+28.27	2168754.79	6321866.29	S86.249°W
TURNOUT T-3	DELTA =06°21'36.1" LEFT NO. 9	PF	6+28.27	2168754.79	6321866.29	S86.249°W
		PITO	6+94.19	2168884.67	6323636.24	
		PT. SW.	7+22.86	2168759.10	6321932.07	S86.249°W
LINEAR	L=167.18	PT. SW.	7+22.86	2168759.10	6321932.07	S86.249°W
		POE	8+90.04	2168771.91	6322127.50	S86.249°W
LINEAR	L=365.77	POB	19+05.90	2168838.37	6323141.18	S86.249°W
		PF	22+71.67	2168862.29	6323506.16	S86.249°W
TURNOUT T-8	DELTA =08°09'19.8" LEFT NO. 7	PF	22+71.67	2168862.29	6323506.16	S86.249°W
		PITO	23+04.85	2168864.59	6323541.11	
		PT. SW./POE	23+35.91	2168871.04	6323571.69	S78.667°W

TRACK 7 (CT-201 - CT-202)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-3	DELTA =-06°21'36.1" RIGHT NO. 9	PT. SW./POB	0+00.00	2168730.83	6321500.97	N86.249°E
		PITO	0+30.24	2167969.79	6321550.86	
		PF	0+71.56	2168731.68	6321585.58	S87.391°E
LINEAR	L=47.90	PF	0+71.56	2168731.68	6321585.58	S87.391°E
		PC	1+19.46	2168729.54	6321632.44	S87.391°E
CURVE 7-1	DELTA = 06°17'45.6" LEFT DOC = 12°30'00" R = 459.28' L = 50.47' T = 25.26'	PC	1+19.46	2168729.54	6321632.44	S87.391°E
		PI	1+44.72	2168728.39	6321657.68	
		PT	1+69.91	2168730.02	6321682.89	N86.313°E
LINEAR	L=1718.29	PT	1+69.91	2168730.02	6321682.89	N86.313°E
		PC	18+88.20	2168840.64	6323397.62	N86.313°E
CURVE 7-2	DELTA = 08°13'37.2" LEFT DOC = 09°30'00" R = 603.80' L = 86.69' T = 43.42'	PC	18+88.20	2168840.64	6323397.62	N86.313°E
		PI	19+31.63	2168843.44	6323440.95	
		PT	19+74.82	2168852.41	6323483.44	N78.078°E
LINEAR	L=321.52	PT	19+74.82	2168852.41	6323483.44	N78.078°E
		PF	22+96.35	2168918.61	6323796.98	N78.078°E
TURNOUT T-13	DELTA =08°09'19.8" RIGHT NO. 7	PF	22+96.35	2168918.61	6323796.98	N78.078°E
		PITO	23+28.26	2168467.11	6323892.16	
		PT. SW./POE	23+59.38	2168927.55	6323862.00	S86.252°W

TRACK 806 (CT-203)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-19	DELTA =-08°09'19.8" RIGHT NO. 7	PT. SW./POB	0+00.00	2168903.58	6324265.48	N85.349°W
		PITO	0+31.06	2168443.67	6324228.06	
		PF	0+64.24	2168904.24	6324199.86	S86.480°W
LINEAR	L=43.87	PF	0+64.24	2168980.42	6323903.90	S86.480°W
		PC	1+08.11	2168901.54	6324155.94	S86.480°W
CURVE 806	DELTA = 04°34'33.6" RIGHT DOC = 07°29'42" R = 764.49' L = 61.06' T = 30.54'	PC	1+08.11	2168901.54	6324155.94	S86.480°W
		PI	1+38.65	2168899.66	6324125.45	
		PT	1+69.16	2168900.23	6324094.91	N88.944°W
LINEAR	L=96.26	PT	1+69.16	2168900.23	6324094.91	N88.944°W
		PC	2+65.42	2168902.00	6323998.67	N88.944°W
CURVE 806	DELTA = 07°16'33.6" LEFT DOC = 07°29'42" R = 764.49' L = 97.08' T = 48.61'	PC	2+65.42	2168902.00	6323998.67	N88.944°W
		PI	3+14.03	2168902.90	6323950.07	
		PT	3+62.50	2168897.63	6323901.75	S83.780°W
LINEAR	L=217.28	PT	3+62.50	2168897.63	6323901.75	S83.780°W
		PC	5+79.78	2168874.09	6323685.75	S83.780°W
CURVE 806	DELTA = 25°39'00" LEFT DOC = 12°28'30" R = 459.27' L = 205.60' T = 104.55'	PC	5+79.78	2168874.09	6323685.75	S83.780°W
		PI	6+84.34	2168862.76	6323581.82	
		PT	7+85.38	2168807.56	6323493.02	S58.130°W

TRACK 808 (CT-205)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-23	DELTA =08°09'19.8" LEFT NO. 7	PT. SW./POB	0+00.00	2168922.82	6324550.65	N86.480°E
		PITO	0+31.06	2168462.26	6324578.98	
		PF	0+64.24	2168922.18	6324616.27	S85.349°E
LINEAR	L=72.84	PF	0+64.24	2168922.18	6324616.27	S85.349°E
		PC	1+37.08	2168916.26	6324689.01	S85.349°E
CURVE 808	DELTA = 8°26'34.8" left DOC =12°30'00" R = 459.28' L = 67.67' T = 33.90'	PC	1+37.08	2168916.26	6324689.01	S85.349°E
		PI	1+70.98	2168913.51	6324722.80	
		PT	2+04.70	2168915.75	6324756.62	N86.209°E
LINEAR	L=89.40	PT	2+04.70	2168915.75	6324756.62	N86.209°E
		POE	2+94.10	2168921.67	6324845.83	N86.209°E

TRACK 809 (CT-204)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-27	DELTA =06°21'36.1" RIGHT NO. 9	PT. SW./POB	0+00.00	2168360.64	6325003.01	N11.139°W
		PITO	0+30.17	2168401.87	6324990.10	
		PF	0+73.18	2168444.73	6324986.51	N4.780°W
LINEAR	L=44.76	PF	0+73.18	2168444.73	6324986.51	N4.780°W
		PC	1+18.86	2168490.246	6324982.706	N4.780°W
CURVE 809	DELTA = 69°27'22" RIGHT DOC = 12°00'00" R = 478.34' L =573.16' T = 326.63'	PC	1+18.86	2168490.246	6324982.706	N4.780°W
		PI	4+45.48	2168815.735	6324955.491	
		PT	6+90.97	2168959.566	6325248.74	N63.873°E
LINEAR	L=119.58	PT	6+90.97	2168959.57	6325248.74	N63.873°E
		POE	8+11.64	2169012.71	6325357.09	N63.873°E

DESIGN NOTES:

1. *SPEED FOR ALL TRACKS IS 10 MPH.*
2. *Ea FOR LD01 AND LD02 AT THE PORT ENTRANCE IS 0.50". Ea FOR ALL OTHER TRACKS IS 0.00".*

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PROFESSIONAL SEAL:

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MARK	DATE	DESCRIPTION
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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
TRACK GEOMETRY TABLE

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO.
G-006
SHEET 6 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

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8/17/2026 - 4:23:59 PM - pw://JMA-PW-APP.jmadk8.com:JMA-PW/Documents/Projects/21273-HDRP&S/Rail/Sheets/LLD7/G-007 Track Geometry Table.dgn

TRACK 810A (CT-205)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-21	DELTA =-08°09'19.8" RIGHT NO. 7	PT. SW./POB PITO PF	0+00.00 0+31.06 0+64.24	2168915.86 2169375.77 2168915.20	6324361.24 6324398.65 6324426.86	S85.348°E N86.480°E
LINEAR	L=334.07	PF PC	0+64.24 3+98.31	2168915.20 2168935.72	6324426.86 6324760.43	N86.480°E N86.480°E
CURVE 810A	DELTA = 0°26'31.2" LEFT DOC = 00°30'00" R = 11459.19' L = 88.40' T = 44.20'	PC PI PT	3+98.31 4+42.51 4+86.71	2168935.72 2168938.44 2168941.49	6324760.43 6324804.55 6324848.64	N86.480°E N86.038°E
LINEAR	L=111.19	PT POE	4+86.71 5+97.90	2168941.49 2168949.17	6324848.64 6324959.57	N86.038°E N86.038°E

TRACK 811x0 (CT-205)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-24	DELTA =08°09'19.8" LEFT NO. 7	PT. SW./POB PITO PF	0+00.00 0+31.27 0+64.28	2168928.63 2168930.65 2168937.74	6324645.05 6324677.95 6324712.23	N86.480°E N78.309°E
LINEAR	L=33.46	PF PC	0+64.28 0+97.74	2168937.30 2168944.12	6324710.10 6324743.04	N78.309°E N78.309°E
CURVE 811x0-1	DELTA = 01°26'09" LEFT DOC = 02°15'00" R = 2546.64' L = 63.83' T = 31.91'	PC PI PT	0+97.74 1+29.65 1+61.56	2168944.12 2168950.59 2168957.83	6324743.04 6324774.29 6324805.37	N78.309°E N76.873°E
LINEAR	L=240.25	PT PC	1+61.56 4+01.81	2168957.83 2169012.40	6324805.37 6325039.35	N76.873°E N76.873°E
CURVE 811x0-2	DELTA = 01°12'58" RIGHT DOC = 02°00'00" R = 2864.93' L = 60.78' T = 30.39'	PC PI PT	4+01.81 4+32.21 4+62.59	2169012.40 2169019.30 2169025.57	6325039.35 6325068.94 6325098.68	N76.873°E N78.088°E
LINEAR	L=75.74	PT PF	4+62.59 5+38.33	2169025.57 2169041.21	6325098.68 6325172.79	N78.088°E N78.088°E
TURNOUT T-25	DELTA =08°09'19.8" RIGHT NO. 7	PF PITO PT. SW./POE	5+38.33 5+39.31 5+69.61	2169041.21 2168582.89 2169043.22	6325172.79 6325235.67 6325203.88	N78.088°E S86.289°W

TRK 811 (CT-101)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
LINEAR	L=385.76	POB POE	0+00.00 3+85.76	2168952.27 2168977.436	6323812.666 6324197.608	N86°15'36"E N86°15'36"E

TRACK CCTC (CT-205)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-22	DELTA =08°09'19.8" LEFT NO. 7	PT. SW./POB PITO PF	0+00.00 0+31.06 0+64.24	2168917.11 2168456.45 2168937.30	6324457.93 6324484.58 6324710.10	N86.478°E S85.349°E
LINEAR	L=49.61	PF PC	0+64.24 1+13.85	2168937.30 2168912.34	6324710.10 6324571.45	S85.349°E S85.349°E
CURVE CCTC	DELTA = 27°27'57.6" RIGHT DOC = 15°00'00" R = 383.06' L = 183.63' T = 93.62'	PC PI PT/POE	1+13.85 2+07.47 2+96.96	2168912.34 2168904.87 2168855.20	6324571.45 6324664.77 6324744.12	S85.349°E S57.956°E

TRACK 825 (CT-207)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-17	DELTA =06°21'36.1" LEFT NO. 9	PT. SW./POB PITO PF	0+00.00 0+30.24 0+71.56	2168971.30 2169732.36 2168970.47	6324103.76 6324054.01 6324019.15	S86.260°W N87.383°W
LINEAR	L=146.87	PF PC	0+71.56 2+18.43	2168970.47 2168977.13	6324019.15 6323873.41	N87.383°W N87.383°W
CURVE 825	DELTA = 40°06'3.6" RIGHT DOC = 15°00'00" R = 383.06' L = 268.11' T = 139.81'	PC PI PT	2+18.43 3+58.24 4+85.77	2168977.13 2168983.52 2169078.36	6323873.41 6323733.75 6323631.04	N87.383°W N47.282°W
LINEAR	L=4.9	PT POE	4+85.77 4+90.67	2169078.36 2169081.68	6323631.04 6323627.44	N47.282°W N47.282°W

TRACK 823 (CT-207)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-16	DELTA =-08°09'19.8" RIGHT NO. 7	PT. SW./POB PITO PF	0+00.00 0+31.06 0+64.24	2168972.78 2169433.73 2168980.42	6323969.08 6323990.05 6323903.90	N87.383°W N79.224°W
LINEAR	L=33.3	PF PC	0+64.24 0+97.54	2168980.42 2168986.71	6323903.90 6323870.83	N79.224°W N79.224°W
CURVE 823	DELTA = 39°54'14.4" RIGHT DOC = 14°00'00" R = 410.28' L = 228.46' T = 117.27'	PC PI PT	0+97.54 2+14.81 3+25.43	2168986.71 2169008.63 2169088.14	6323870.83 6323755.62 6323669.41	N79.224°W N47.320°W
LINEAR	L=6.75	PT POE	3+25.43 3+32.18	2169088.14 2169092.72	6323669.41 6323664.44	N47.320°W N47.320°W

TRACK 850 (CT-113 - CT-114)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-30	DELTA =06°21'35" RIGHT NO. 9	PT. SW./POB PITO PF	0+00.00 0+30.17 0+73.18	2167281.65 2167252.05 2167211.01	6325210.75 6325216.59 6325229.43	S11°08'57"E S17°30'00"E
LINEAR	L=175.11	PF PC	0+73.18 2+48.29	2167211.01 2167044.004	6325229.43 9 S17 6325282.08	S17°30'00"E °30'00"E
CURVE 850	DELTA = 06°20'36" RIGHT DOC = 05°30'00 R = 1042.14' L = 114.97' T = 57.55'	PC PI PT	2+48.29 3+05.84 3+63.22	2167044.004 2166989.123 2166932.67	9 S17 6325282.08°30'00"E 2 6325299.39 8 S11 6325310.54°10'41"E	
LINEAR	L=667.63	PT POE	3+63.22 10+30.85	2166932.67 2166277.7	8 S11 6325310.54°10'41"E ' S11 6325439.97°10'41"E	

ECO TRK (CT-113 - CT-114)

ELEMENT	CURVE DATA	POINT	STATION	NORTHING	EASTING	BEARING
TURNOUT T-30A	DELTA =06°21'35" RIGHT NO. 9	PT. SW./POB PITO PF	0+00.00 0+30.17 0+73.18	2167151.62 2167122.9 2167077.35	6325248.27 6325257.32 6325266.31	S17°30'00"E S11°08'56"E
LINEAR	L=755.98	PF POE	0+74.51 8+30.49	2167077.35 2166337.9	6325266.31 6325412.04	S11°08'56"E S11°08'56"E

DESIGN NOTES:

1. SPEED FOR ALL TRACKS IS 10 MPH.
2. Ea FOR LD01 AND LD02 AT THE PORT ENTRANCE IS 0.50". Ea FOR ALL OTHER TRACKS IS 0.00".

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
TRACK GEOMETRY TABLE

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO.
G-007
SHEET 7 of 94

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QUANTITY SUMMARY TABLE			
TASK/ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL SOURCE
SITE – PREPARATION AND DEMOLITION			
CLEARING AND GRUBBING	12	AC	CONTRACTOR
LAYOUT STAKING	1	LS	CONTRACTOR
TRAFFIC CONTROL	1	LS	CONTRACTOR
EROSION CONTROL	12	AC	CONTRACTOR
MATERIAL STAGING AREA	1	LS	CONTRACTOR
REMOVE EXISTING AT-GRADE CROSSING	1	EA	CONTRACTOR
SAWCUT EXISTING PAVEMENT	480	LF	CONTRACTOR
REMOVE AND DISPOSE FENCE	170	LF	CONTRACTOR
REMOVE AND DISPOSE ASPHALT CONCRETE PAVEMENT	14,760	SF	CONTRACTOR
TREE REMOVAL	4	EA	CONTRACTOR
CAP ABANDON AND REMOVE OH PIPELINE SUPPORTS NEAR TRK 846	1	LS	CONTRACTOR
SITE – EATHWORK AND MINOR STRUCTURES			
EARTHWORK – EXCAVATION AND OFF-HAUL	25,120	CY	CONTRACTOR
EARTHWORK – EXCAVATION AND EMBANKMENT	460	CY	CONTRACTOR
AGGREGATE BASE CLASS 2 – 12" SUBBALLAST	7,740	CY	CONTRACTOR
FENCE – CHAIN LINK TYPE CL-6	1510	LF	CONTRACTOR
PERMANENT SHEET PILE WALL	48	EA	CONTRACTOR
3" HOT MIX ASPHALT – TYPE A	13,640	SF	CONTRACTOR
SITE – UTILITIES			
MANHOLE – 48" PRECAST CONCRETE PIPE	6	EA	CONTRACTOR
UNDERDRAIN – CLEANOUT	13	EA	CONTRACTOR
UNDERDRAIN TRACK – HDPE PERFORATED 15"	3,070	LF	CONTRACTOR
UNDERDRAIN TRACK – HDPE PERFORATED 14"	370	LF	CONTRACTOR
UNDERDRAIN TRACK – HDPE PERFORATED 12"	100	LF	CONTRACTOR
UNDERDRAIN TRACK – HDPE PERFORATED 10"	600	LF	CONTRACTOR
UNDERDRAIN TRACK – HDPE PERFORATED 8"	1,390	LF	CONTRACTOR
CULVERT – 12" CORRUGATED METAL PIPE	240	LF	CONTRACTOR
CULVERT – 15" CORRUGATED METAL PIPE	80	LF	CONTRACTOR
CULVERT – 20" CORRUGATED METAL PIPE	30	LF	CONTRACTOR
CULVERT – 24" CORRUGATED METAL PIPE	70	LF	CONTRACTOR
FES ENERGY DISSIPATOR	3	EA	CONTRACTOR
STEEL CASING –12"	520	LF	CONTRACTOR
STEEL CASING –8"	620	LF	CONTRACTOR
SITE – SIGNAGE AND STRIPPING			
NEW SIGNS WITH POSTS	4	EA	CONTRACTOR
NEW SIGNS	4	EA	CONTRACTOR
PAVEMENT MARKING: |RXR|	1	EA	CONTRACTOR
STOP BAR	1	EA	CONTRACTOR
TRACKWORK			
TRACK – 136RE (CWR RAIL, PLATES, TIES, BALLAST, OTM)	1970	TF	CONTRACTOR
TRACK – 115RE (CWR RAIL, PLATES, TIES, BALLAST, OTM)	3020	TF	CONTRACTOR
TRACK – 136RE (JOINTED, PLATES, TIES, BALLAST, OTM)	1910	TF	CONTRACTOR
TRACK – 115RE (JOINTED, PLATES, TIES, BALLAST, OTM)	4540	TF	CONTRACTOR
SHIFT TRACK W/50% TIE RENEWAL	440	TF	CONTRACTOR
REMOVE TRACK, TIES AND BALLAST	7830	TF	CONTRACTOR
NEW MANUAL TURNOUT – NO. 9 LH (136# RAIL)	1	TF	CONTRACTOR
NEW MANUAL TURNOUT – NO. 9 RH (136# RAIL)	2	EA	CONTRACTOR
NEW MANUAL TURNOUT – NO. 7 LH (136# RAIL)	3	EA	CONTRACTOR
NEW MANUAL TURNOUT – NO. 9 LH (115# RAIL)	2	EA	CONTRACTOR
NEW MANUAL TURNOUT – NO. 9 RH (115# RAIL)	4	EA	CONTRACTOR
NEW MANUAL TURNOUT – NO. 7 LH (115# RAIL)	3	EA	CONTRACTOR
NEW MANUAL TURNOUT – NO. 7 RH (115# RAIL)	6	LF	CONTRACTOR
REMOVE NO. 9 TURNOUT	3	TF	CONTRACTOR
REMOVE NO. 8 TURNOUT	1	TF	CONTRACTOR
REMOVE NO. 7 TURNOUT	18	EA	CONTRACTOR
CROSSOVER NO. 7 LH (115# RAIL)	1	EA	CONTRACTOR
CROSSOVER NO. 9 LH (136# RAIL)	1	EA	CONTRACTOR
CROSSOVER NO. 9 RH (136# RAIL)	2	EA	CONTRACTOR
CROSSOVER NO. 9 LH (115# RAIL)	1	EA	CONTRACTOR
AT-GRADE CROSSING PANELS	121	EA	CONTRACTOR
AT-GRADE CUSTOM CROSSING PANELS	95	EA	CONTRACTOR
TRACK RELAY W/50% TIE RENEWAL (115# RAIL)	1400	EA	CONTRACTOR
RUBBER RAIL SEAL	2090	LF	CONTRACTOR
COMPROMISE JOINTS (136#/115#)	5	EA	CONTRACTOR
COMPROMISE JOINTS (136#/112#)	5	EA	CONTRACTOR
COMPROMISE JOINTS (115#/112#)	18	EA	CONTRACTOR
COMPROMISE JOINTS (115#/110#)	2	EA	CONTRACTOR
EARTHEN BUMPER	1	EA	CONTRACTOR
INNER GUARD RAIL	110	LF	CONTRACTOR
BUMPING POST	1	EA	CONTRACTOR
CURVE BLOCK	16	EA	CONTRACTOR

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PORT OF STOCKTON LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE: QUANTITY SUMMARY TABLE

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

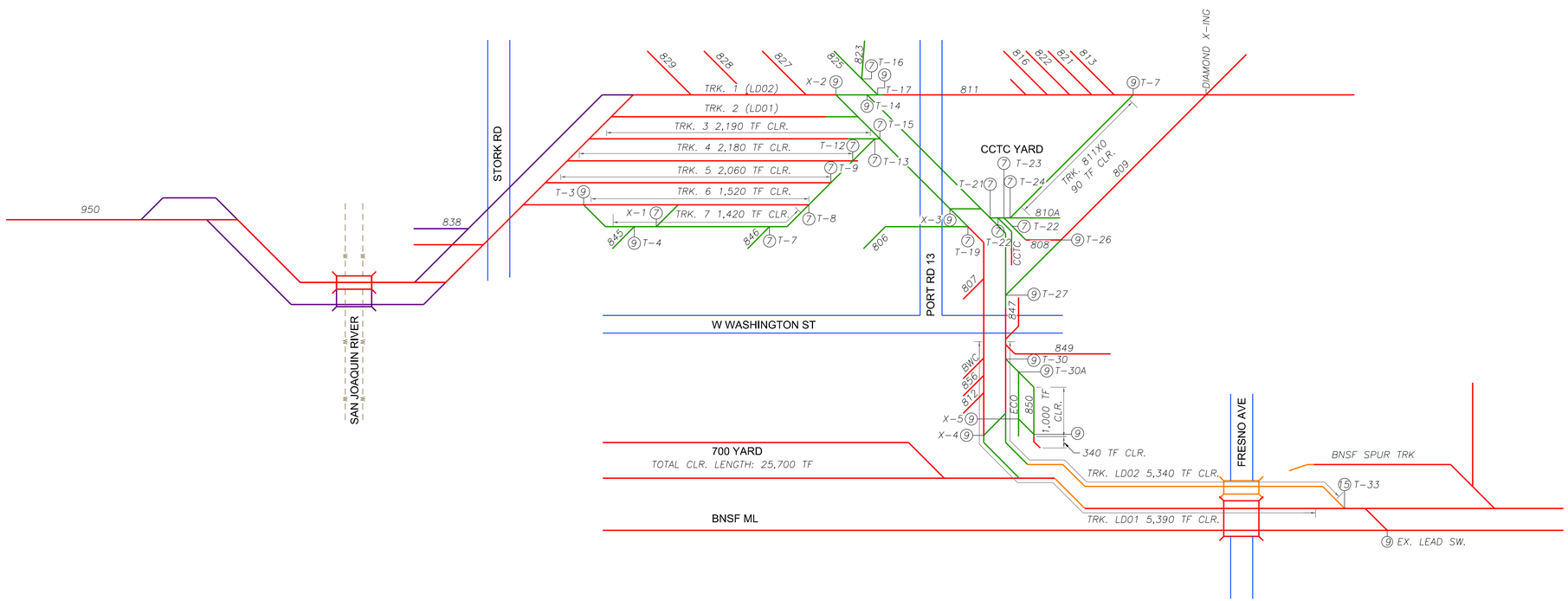
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SHEET 8 of 94

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HammadSadiq 8/31/2026 - 1:14:48 PM - pw://JMA-PW-APP.jmadrive.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLDTG-006 Scope Of Work Matrix

LEGEND

- DOUBLE TRACK PROJECT PORT ROW
- DOUBLE TRACK PROJECT BNSF ROW
- DOUBLE TRACK FUTURE PROJECT
- EXISTING TRACKS
- EXISTING ROADS
- (X) TURNOUT FROG NUMBER



PORT DOUBLE LEAD TRACKS

TRACK NO./ NAME	START POINT	END POINT	CLEAR LENGTHS	NO. OF RAILCARS (AVG. LENGTH = 55 FT.)
TRACK LD01	T-33 NO. 15	W WASHINGTON STREET	5,390 TF	98
TRACK LD02	T-33 NO. 15	W WASHINGTON STREET	5,340 TF	97
TRACK LD01	X-2	W WASHINGTON STREET	2,380 TF	43
TRACK LD02	X-2	W WASHINGTON STREET	2,330 TF	42

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SUBCONSULTANT:
SUBCONSULTANT:
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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

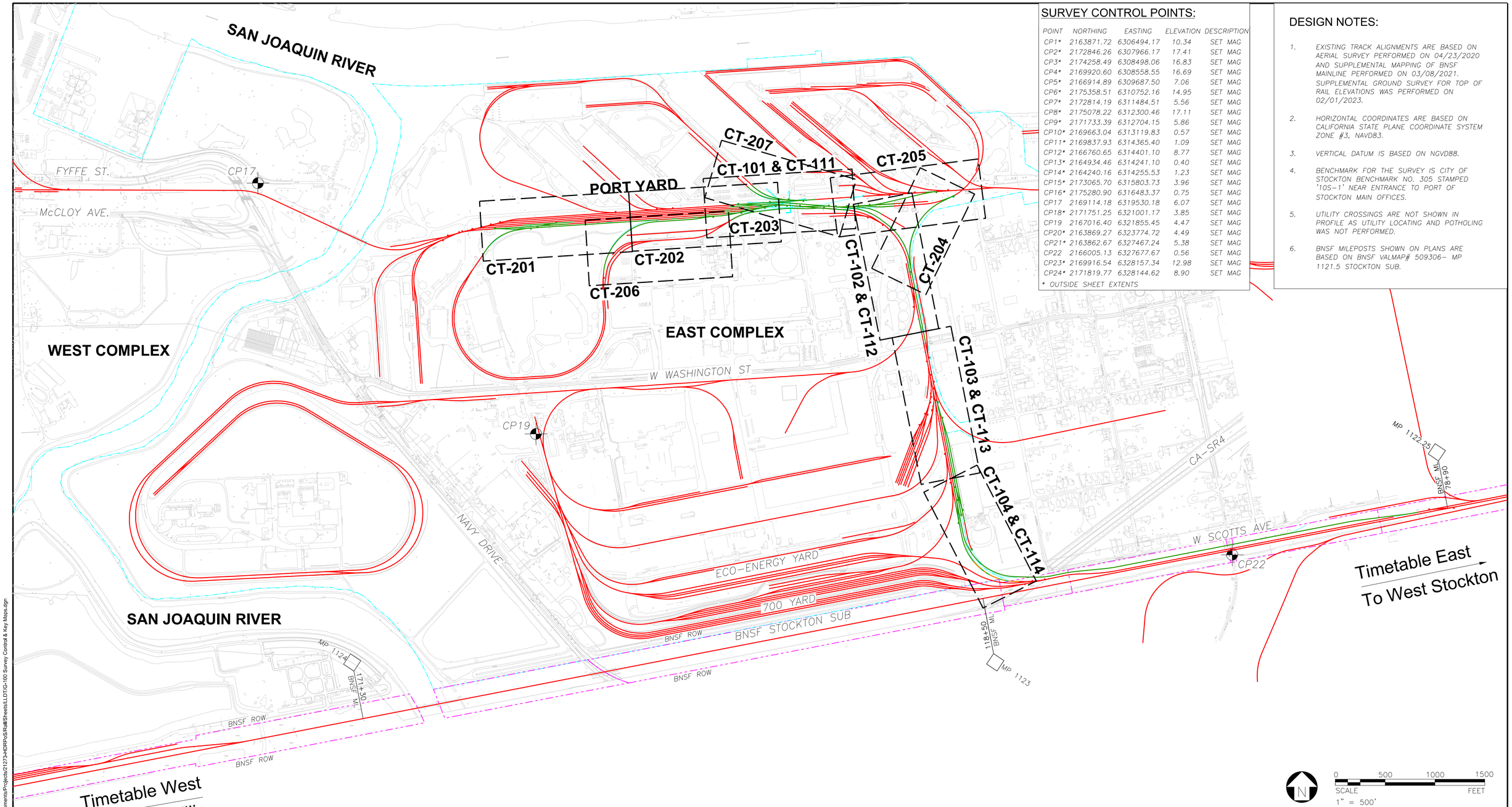
SHEET TITLE:
OVERALL TRACK SCHEMATIC

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO. G-009
SHEET 9 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

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8/27/2026 - 8:25:56 AM - pw://JMA-PW-APP.jmadms.com:JMA-PW/Documents/Projects/21273-HDRPosRail/Sheets/LLD/TG-009 Overall Track Schematic



SURVEY CONTROL POINTS:

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP1*	2163871.72	6306494.17	10.34	SET MAG
CP2*	2172846.26	6307966.17	17.41	SET MAG
CP3*	2174258.49	6308498.06	16.83	SET MAG
CP4*	2169920.60	6308558.55	16.69	SET MAG
CP5*	2166914.89	6309687.50	7.06	SET MAG
CP6*	2175358.51	6310752.16	14.95	SET MAG
CP7*	2172814.19	6311484.51	5.56	SET MAG
CP8*	2175078.22	6312300.46	17.11	SET MAG
CP9*	2171733.39	6312704.15	5.86	SET MAG
CP10*	2169663.04	6313119.83	0.57	SET MAG
CP11*	2169837.93	6314365.40	1.09	SET MAG
CP12*	2166760.65	6314401.10	8.77	SET MAG
CP13*	2164934.46	6314241.10	0.40	SET MAG
CP14*	2164240.16	6314255.53	1.23	SET MAG
CP15*	2173065.70	6315803.73	3.96	SET MAG
CP16*	2175280.90	6316483.37	0.75	SET MAG
CP17	2169114.18	6319530.18	6.07	SET MAG
CP18*	2171751.25	6321001.17	3.85	SET MAG
CP19	2167016.40	6321855.45	4.47	SET MAG
CP20*	2163869.27	6323774.72	4.49	SET MAG
CP21*	2163862.67	6327467.24	5.38	SET MAG
CP22	2166005.13	6327677.67	0.56	SET MAG
CP23*	2169916.54	6328157.34	12.98	SET MAG
CP24*	2171819.77	6328144.62	8.90	SET MAG

* OUTSIDE SHEET EXTENTS

DESIGN NOTES:

1. EXISTING TRACK ALIGNMENTS ARE BASED ON AERIAL SURVEY PERFORMED ON 04/23/2020 AND SUPPLEMENTAL MAPPING OF BNSF MAINLINE PERFORMED ON 03/08/2021. SUPPLEMENTAL GROUND SURVEY FOR TOP OF RAIL ELEVATIONS WAS PERFORMED ON 02/01/2023.
2. HORIZONTAL COORDINATES ARE BASED ON CALIFORNIA STATE PLANE COORDINATE SYSTEM ZONE #3, NAVD83.
3. VERTICAL DATUM IS BASED ON NGVD88.
4. BENCHMARK FOR THE SURVEY IS CITY OF STOCKTON BENCHMARK NO. 305 STAMPED '10S–1' NEAR ENTRANCE TO PORT OF STOCKTON MAIN OFFICES.
5. UTILITY CROSSINGS ARE NOT SHOWN IN PROFILE AS UTILITY LOCATING AND POTHOLING WAS NOT PERFORMED.
6. BNSF MILEPOSTS SHOWN ON PLANS ARE BASED ON BNSF VALMAP# 509306– MP 1121.5 STOCKTON SUB.

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:

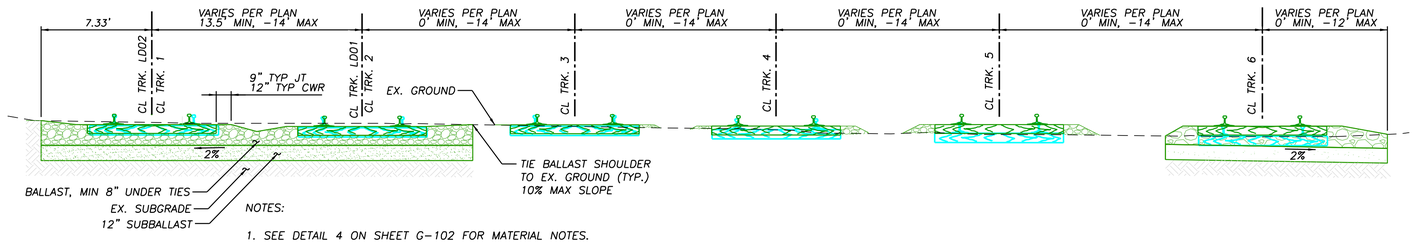
SURVEY CONTROL & KEY MAP

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO.
G-100
SHEET 10 of 94

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8/27/2026 - 8:28:39 AM - pw://JMA-PW-APP.jmackfl.com/JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD/TG-100 Survey Control & Key Maps.dgn



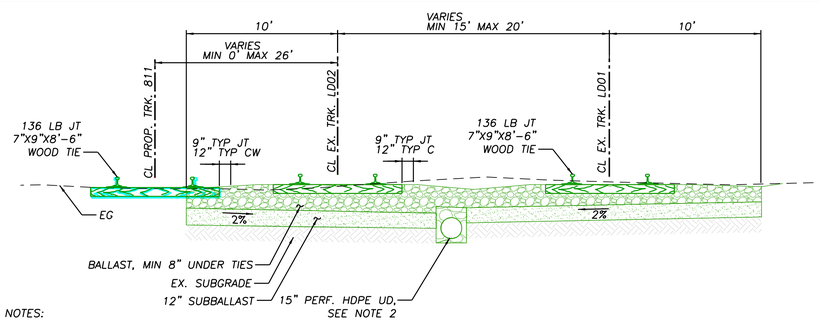
NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.
2. THE NUMBER OF TRACKS REDUCES AS THE STATIONING INCREASES, SEE CROSS SECTIONS FOR DETAILS.
3. SUBBALLAST SLOPE DIRECTION MAY VARY SEE CROSS SECTIONS FOR DETAILS.
4. NEW SUBBALLAST MAY BE INSTALLED DEPENDING ON TREATMENT FOR TRACK 3, 4 & 5. SEE PLANS AND CROSS SECTIONS FOR DETAILS.

1 G-101

TRACK TYPICAL SECTION AT PORT YARD WITH TRACK RELAY

SCALE: 1"=5'
STA. 133+26-136+89 TRK LD01, CT-101



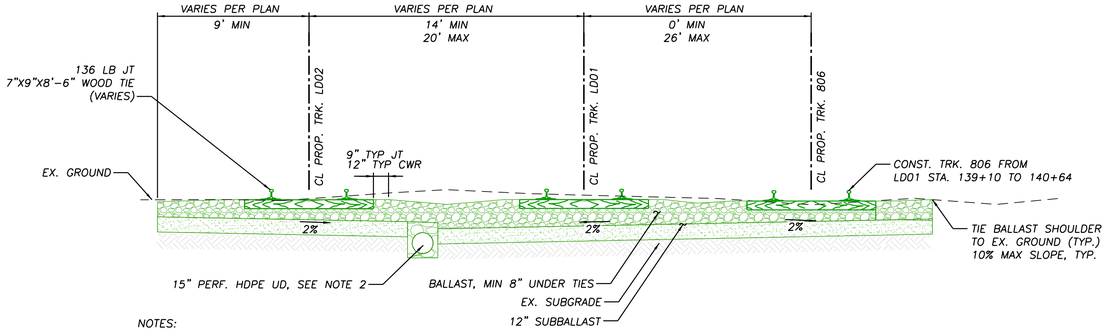
NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.
2. INSTALL UNDERDRAIN PER DETAIL 1 ON SHEET CT-502.

2 G-101

TRACK TYPICAL SECTION ADJACENT TO TRACK 811

SCALE: 1"=5'
STA. 136+89-138+68 TRK LD01, CT-101



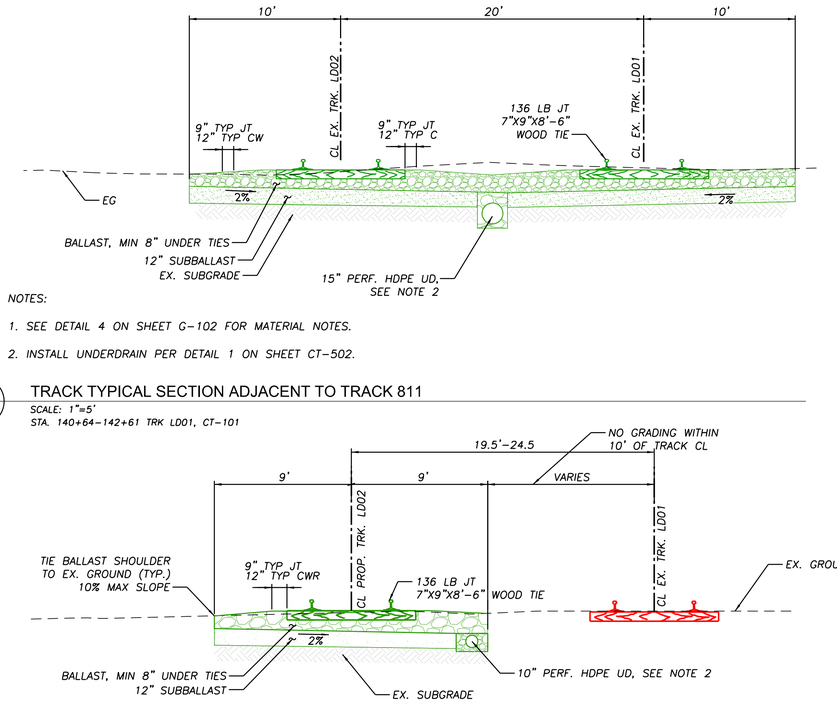
NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.
2. INSTALL UNDERDRAIN PER DETAIL 1 ON SHEET CT-502.

3 G-101

TRACK TYPICAL SECTION NEAR PORT RD 13

SCALE: 1"=5'
STA. 139+10-140+64 TRK LD01, CT-101



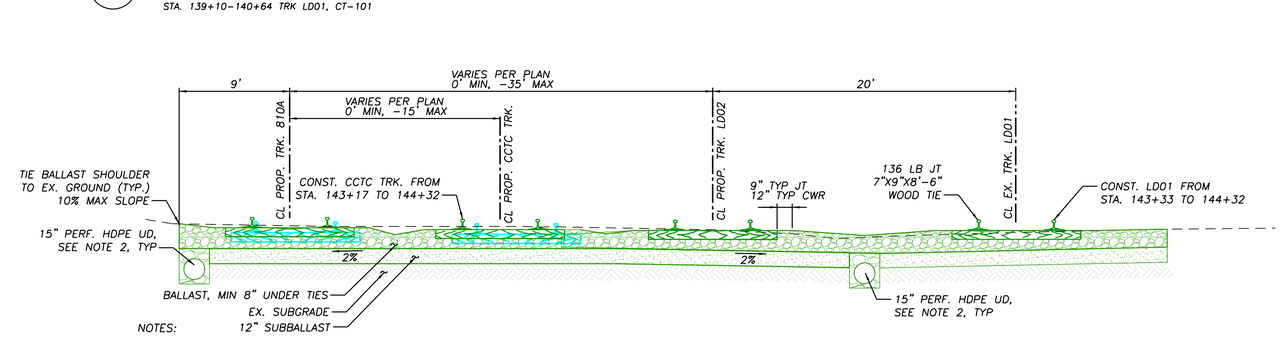
NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.
2. INSTALL UNDERDRAIN PER DETAIL 1 ON SHEET CT-502.

4 G-101

TRACK TYPICAL SECTION ADJACENT TO TRACK 811

SCALE: 1"=5'
STA. 140+64-142+61 TRK LD01, CT-101



NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.
2. INSTALL UNDERDRAIN PER DETAIL 1 ON SHEET CT-502. INSTALL 10" PERF. HDPE UD FROM STA. 143+53 TO STA 144+32.

5 G-101

TRACK TYPICAL SECTION NEAR CCTC WYE

SCALE: 1"=5'
STA. 142+61-144+32 TRK LD01, CT-101 & CT-102

NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.
2. INSTALL UNDERDRAIN PER DETAIL 1 ON SHEET CT-502 AND CROSS SECTION SHEETS.
3. SUBBALLAST SLOPE DIRECTION MAY VARY SEE CROSS SECTIONS FOR DETAILS.

6 G-101

TRACK TYPICAL SECTION WITH PORT YARD TRACKS UNDERCUT

SCALE: 1"=5'
STA. 144+32-147+94 TRK LD01, CT-102

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

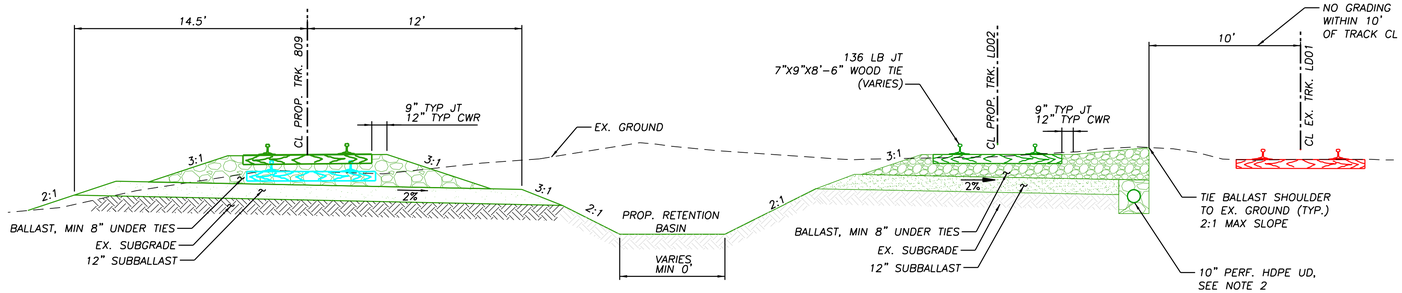
SHEET TITLE:

TRACK TYPICAL SECTIONS

PROJ NO: 21273	SHEET NO. G-101
SCALE: AS NOTED	SHEET 11 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

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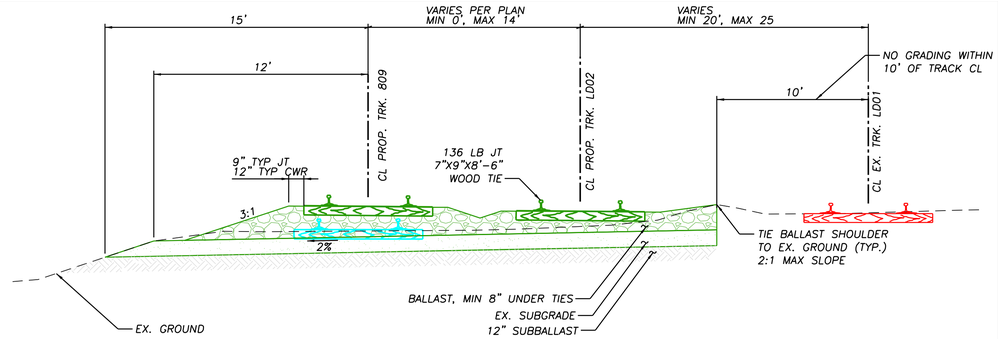
NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.
2. INSTALL UNDERDRAIN PER DETAIL 1 ON SHEET CT-502.

1 G-102

TRACK TYPICAL SECTION WITH RETENTION DITCH

SCALE: 1"=5'
STA. 147+94-149+23 TRK LD01, CT-102



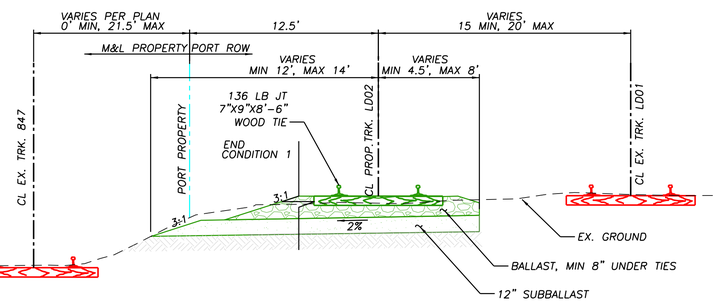
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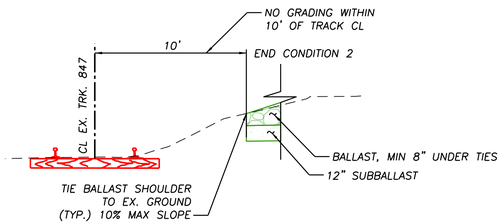
1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.

2 G-102

TRACK TYPICAL SECTION SOUTH OF CCTC WYE

SCALE: 1"=5'
STA. 149+23-150+85 TRK LD01, CT-102





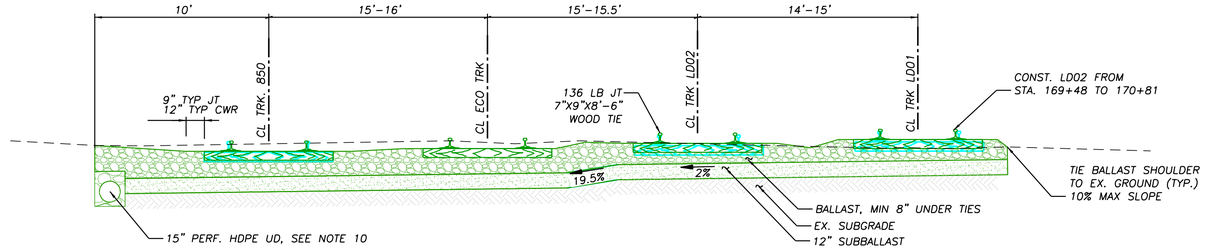
NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.

3 G-102

TRACK TYPICAL SECTION SOUTH OF CCTC ADJACENT TO M&L WITH RETAINING WALL

SCALE: 1"=5'
STA. 150+85-156+71, END CONDITION 1, TRK LD01, CT-102 & CT-103
STA. 156+71-157+22, END CONDITION 2, TRK LD01, CT-103



NOTES:

1. SCARIFY AND RECOMPACT SUBGRADE TO 95% COMPACTION.
2. PROVIDE MIN. 2% SUBGRADE SLOPE FOR BOTH CROWNED AND CROSS-SLOPED SECTIONS. CHECK CROSS SECTIONS FOR CROSS SLOPES.
3. ALL TIES SHALL BE 7"X9"X8'-6" WOOD TIES.
4. PROVIDE BALLAST WALKWAY PER UPRR STANDARD WALKWAY DRAWINGS.
5. CONTRACTOR SHALL PRESERVE EXISTING BALLAST CONDITION AND DEPTH OTHER THAN THE LOCALIZED ADJUSTMENTS WHERE TIES ARE REMOVED AND REPLACED.
6. CONTRACTOR SHALL MAINTAIN EXISTING SUBGRADE CONDITIONS AND LIMIT ANY REQUIRED LOCALIZED EXCAVATION TO WITHIN 8 FEET BELOW BOTTOM OF TIE.
7. CONTRACTOR SHALL NOT GRADE TO WITHIN 10 FEET OF ADJACENT EXISTING TRACK.
8. ALL RAIL FOR TRACK LD01 AND LD02 SHALL BE 136# RAIL AND ALL RAIL FOR INDUSTRY TRACKS SHALL BE 115# RAIL UNLESS OTHERWISE NOTED.
9. CWR RAILS TO BE USED ON CURVES AND JT RAIL TO BE USED ON TANGENTS.
10. INSTALL UNDERDRAIN PER DETAIL 1 ON SHEET CT-502.

4 G-102

TRACK TYPICAL SECTION LD01, LD02, 850, AND ECO TRACK

SCALE: 1"=5'
STA. 169+47 TO 171+94 TRK LD01, CT-104

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

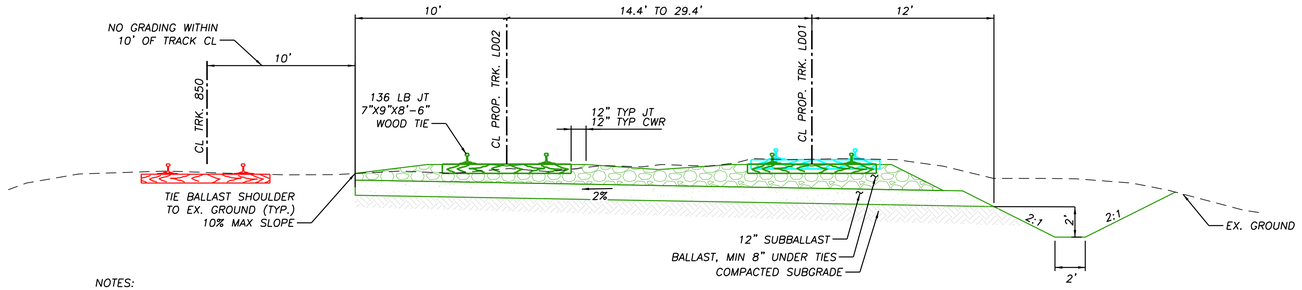
SHEET TITLE:

TRACK TYPICAL SECTIONS

PROJ NO: 21273	SHEET NO. G-102
SCALE: AS NOTED	SHEET 12 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

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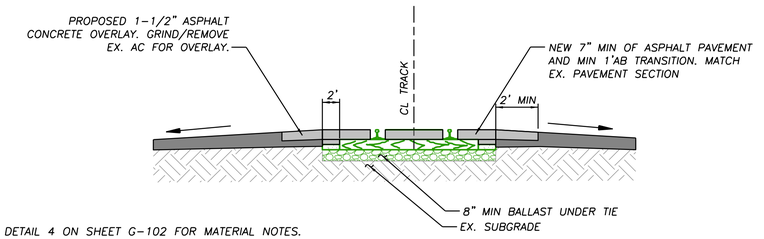


NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.
2. REFER TO EMBANKMENT FILL KEY-IN DETAIL 2 ON SHEET CT-504.

1 G-103 TRACK TYPICAL SECTION PORT ENTRANCE - TRACKS LD01 AND LD02

SCALE: 1"=5'
STA. 171+94-175+73, TRK LD01, CT-104

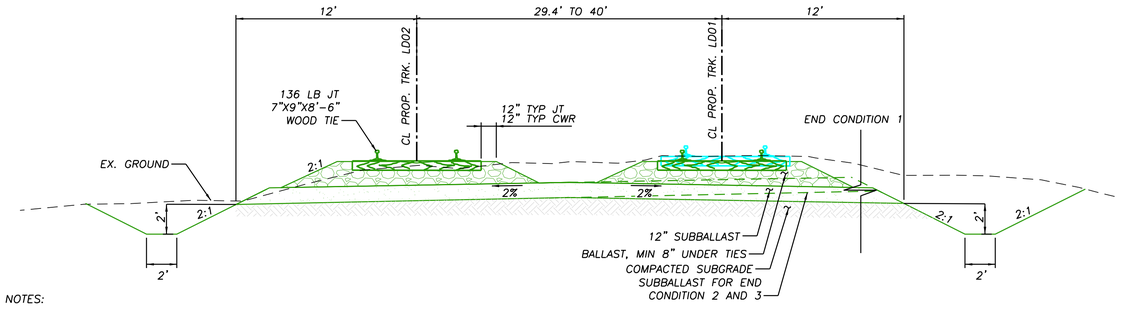


NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.
2. CROSSING SURFACE MUST BE AT THE SAME ELEVATION AS THE TOP OF RAILS FOR A DISTANCE OF 5 FEET FROM THE CENTERLINE OF THE TRACK.

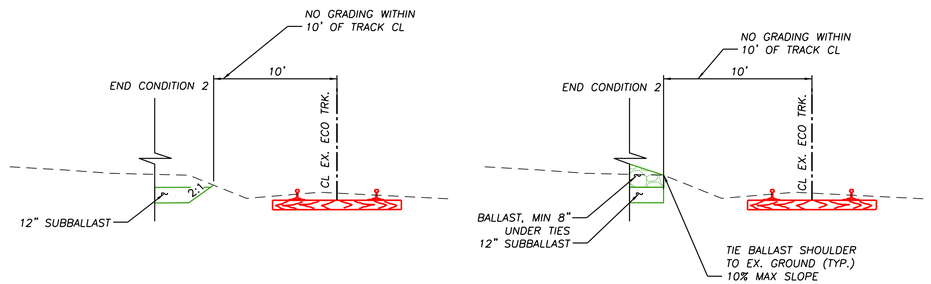
2 G-103 TYPICAL SECTION - AT-GRADE CROSSING PORT RD 13 & PORT RD A

SCALE: 1"=5'



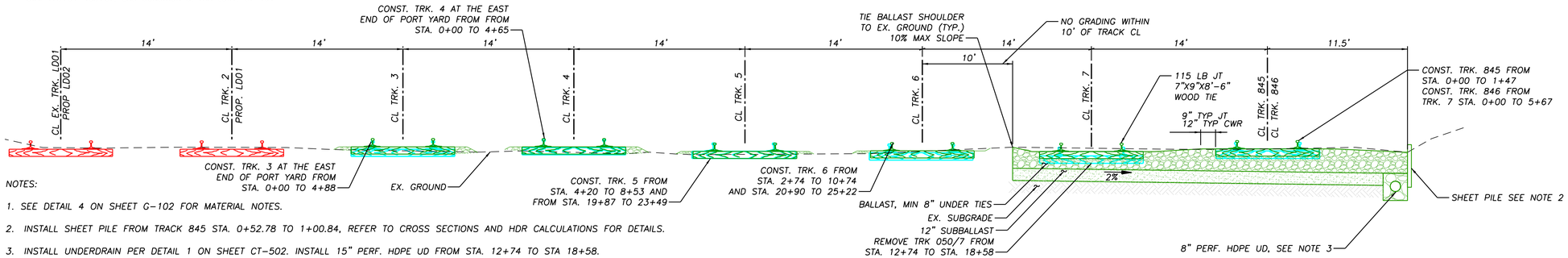
NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.
2. REFER TO EMBANKMENT FILL KEY-IN DETAIL 2 ON SHEET CT-504.



3 G-103 TRACK TYPICAL SECTION PORT ENTRANCE - TRACKS LD01 AND LD02

SCALE: 1"=5'
STA. 175+73-177+91, END CONDITION 1, TRK LD01, CT-104
STA. 177+91-178+51, END CONDITION 2, TRK LD01, CT-104
STA. 178+51-180+37, END CONDITION 3, TRK LD01, CT-104



NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.
2. INSTALL SHEET PILE FROM TRACK 845 STA. 0+52.78 TO 1+00.84, REFER TO CROSS SECTIONS AND HDR CALCULATIONS FOR DETAILS.
3. INSTALL UNDERDRAIN PER DETAIL 1 ON SHEET CT-502. INSTALL 15" PERF. HDPE UD FROM STA. 12+74 TO STA 18+58.
4. THE NUMBER OF TRACKS VARY AT THE WEST END OF PORT YARD FROM STA. 0+00 TO STA. 2+76, SEE SHEET CT-201 TO GET THE EXACT NUMBER OF TRACKS AT A GIVEN STATION.

4 G-103 TRACK TYPICAL SECTION TRACK 6, 7, 845 & 846

SCALE: 1"=5'
STA. 0+00 TO 2+76 TRK 7, CT-201
STA. 12+74 TO 18+58 TRK 7, CT-201, CT-202 & CT-206

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

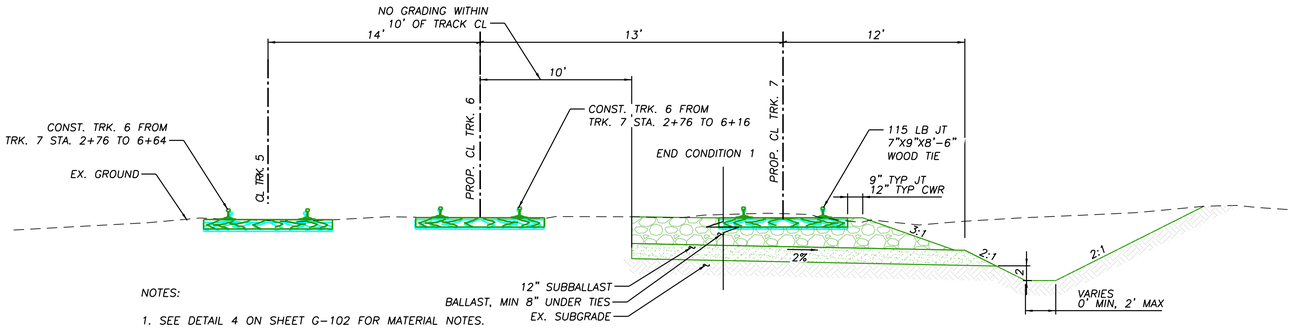
315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:
TRACK TYPICAL SECTIONS

PROJ NO: 21273	SHEET NO. G-103
SCALE: AS NOTED	SHEET 13 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

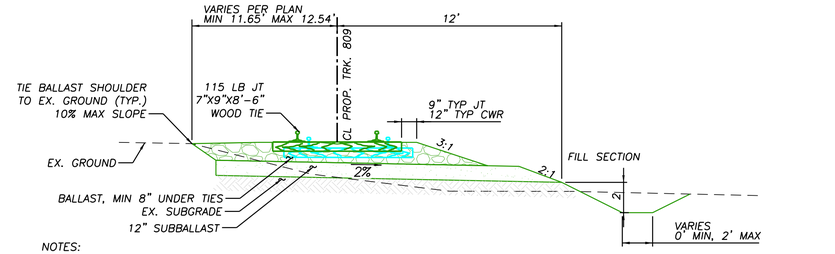
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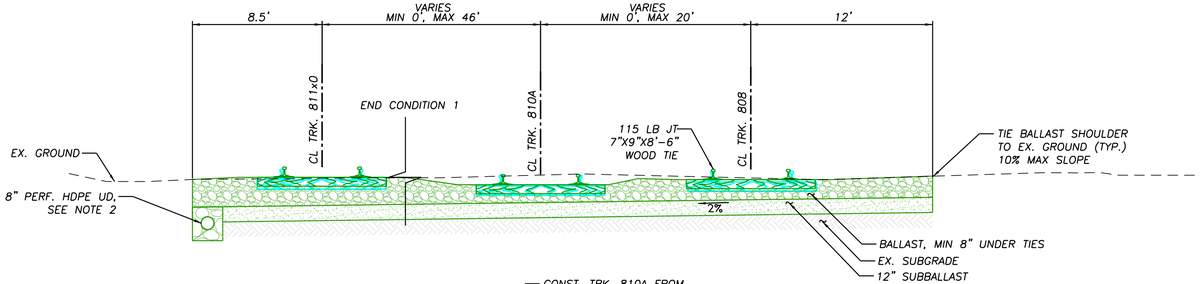
1 G-104 TRACK TYPICAL SECTION TRACK 6 & 7 WITH DITCH

SCALE: 1"=5'
STA. 2+76 TO 9+00, TRK 7, CT-201 & CT-202



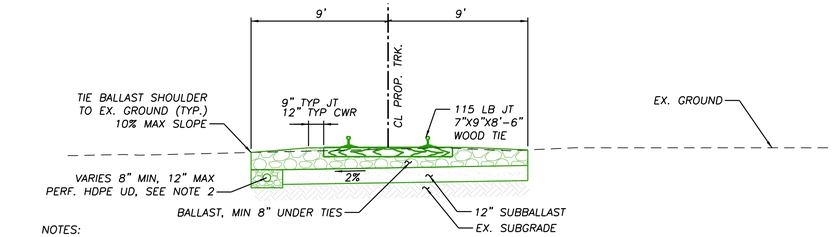
2 G-104 TRACK TYPICAL SECTION TRACK 809

SCALE: 1"=5'
STA. 3+78-8+00 TRK 809, CT-204



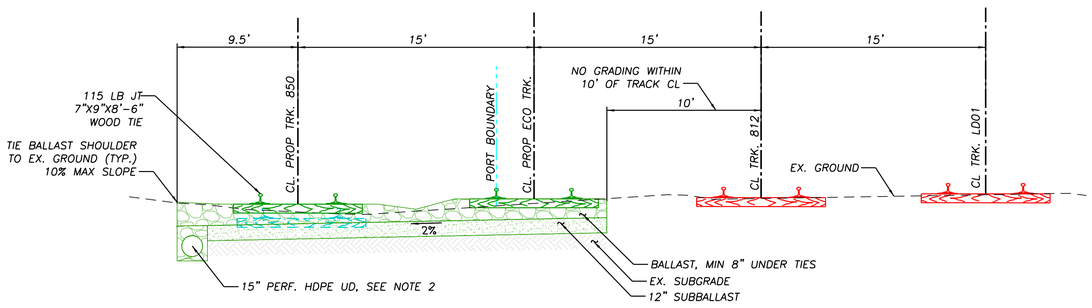
4 G-104 TRACK TYPICAL SECTION TRACK 811X0, 810, & 808

SCALE: 1"=5'
STA. 1+21 TO 3+20, END CONDITION 1, TRK 810A, CT-205
STA. 3+20 TO 3+89, END CONDITION 2, TRK 810A, CT-205



3 G-104 TRACK TYPICAL SECTION 7, 846, 845, & 806

SCALE: 1"=5'
STA. 18+58-23+59 TRK 7, CT-201
STA. 9+00-12.74 TRK 7, CT-201 & CT-202
STA. 5+67-11+59 TRK 846, CT-206
STA. 1+27-4+33 TRK 845, CT-201
STA. 2+17-7+59 TRK 806, CT-203
STA. 3+89-5+70 TRK 811X0, CT-205
STA. 0+00-1+67 TRK 850, CT-103



5 G-104 TRACK TYPICAL SECTION TRACK 850 & ECO TRACK

SCALE: 1"=5'
STA. 0+00 TO 7+20 TRK 850, CT-103 & CT-104

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

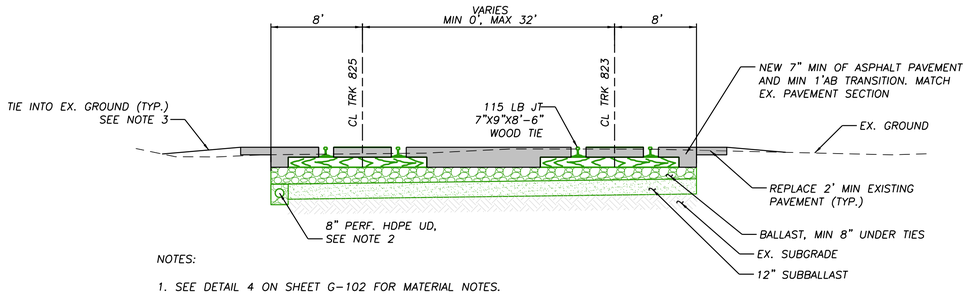
315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:
TRACK TYPICAL SECTIONS

PROJ NO: 21273	SHEET NO.
SCALE: AS NOTED	G-104
DATE: 08/31/2026	SHEET 14 of 94
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NOTES:

1. SEE DETAIL 4 ON SHEET G-102 FOR MATERIAL NOTES.
2. INSTALL UNDERDRAIN PER DETAIL 1 ON SHEET CT-502.
3. THE HIGHWAY SURFACE SHOULD NOT RISE OR DROP MORE THAN 3 INCHES (AND NO MORE THAN 6 INCHES LOWER IN RARE CONSTRAINTS) RELATIVE TO THE TOP OF THE NEAREST RAIL AT A POINT 30 FEET FROM THE RAIL.

1 / G-105 TYPICAL SECTION - TRK 823 & 825

SCALE: 1"=5'
STA. 0+00-3+32 TRK 823, CT-207

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
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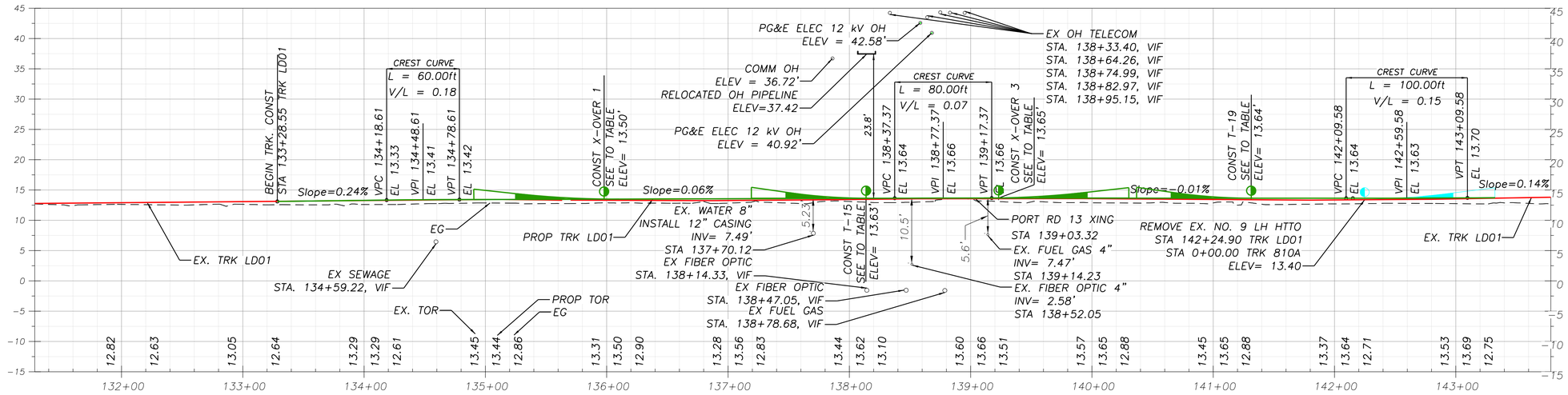
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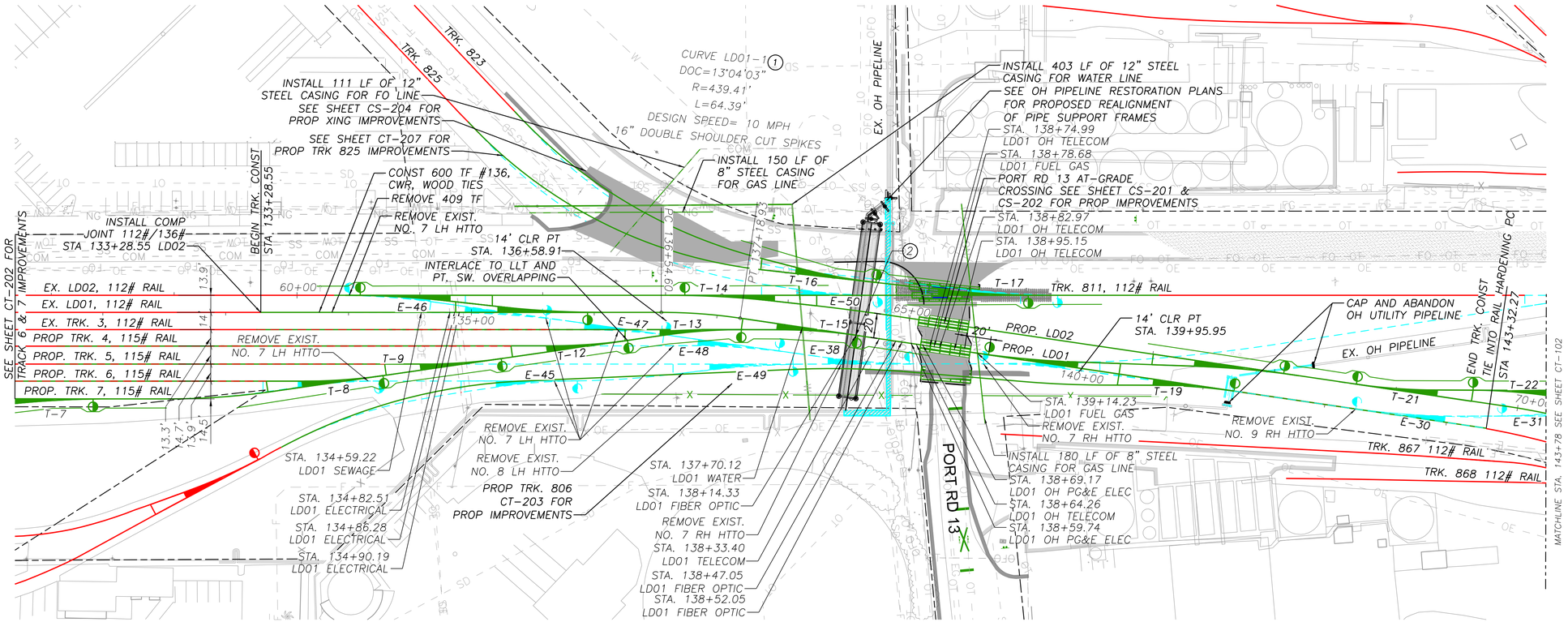
TRACK TYPICAL SECTIONS

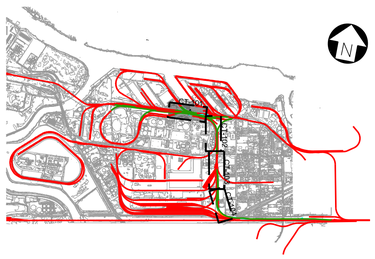
PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO.
G-105
SHEET 15 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING







0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

SHEET NOTES:

(1) ADD CURVE BLOCK PLATES ON CURVES.

(2) ADD INNER GUARD RAIL AROUND OH BRIDGE COLUMNS FROM STA. 137+86.75 TO STA. 138+41.75 PER UPRR STD DWG 4001.

TURNOUT TABLE

X-OVER	135+94.48 TRK LD01 1+85.65 X-OVER 2	NO. 9 RH	HTTO
T-15	138+15.74 TRK LD01 0+00.00 TRK 3	NO. 7 LH	HTTO
X-OVER	139+23.29 TRK LD01 0+00.00 X-OVER 3	NO. 9 LH	HTTO
T-19	141+25.25 TRK LD01 0+00.00 TRK 806	NO. 7 LH	HTTO

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SUBCONSULTANT:

HDR
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www.hdrinc.com

PRIME CONSULTANT:

LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

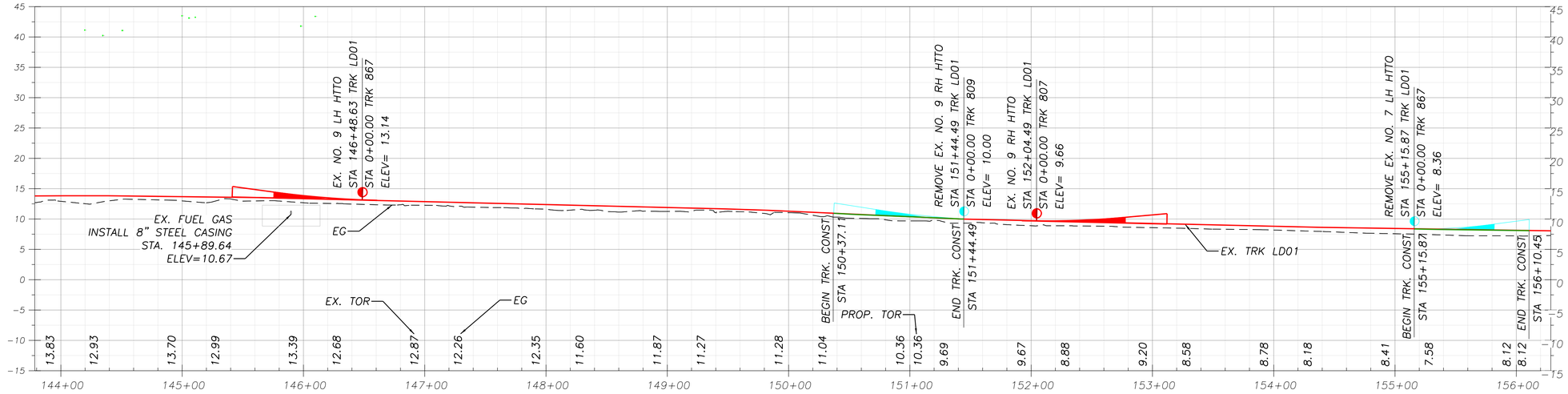
LD01 TRACK PLAN AND PROFILE
STA 131+28 TO STA 143+78

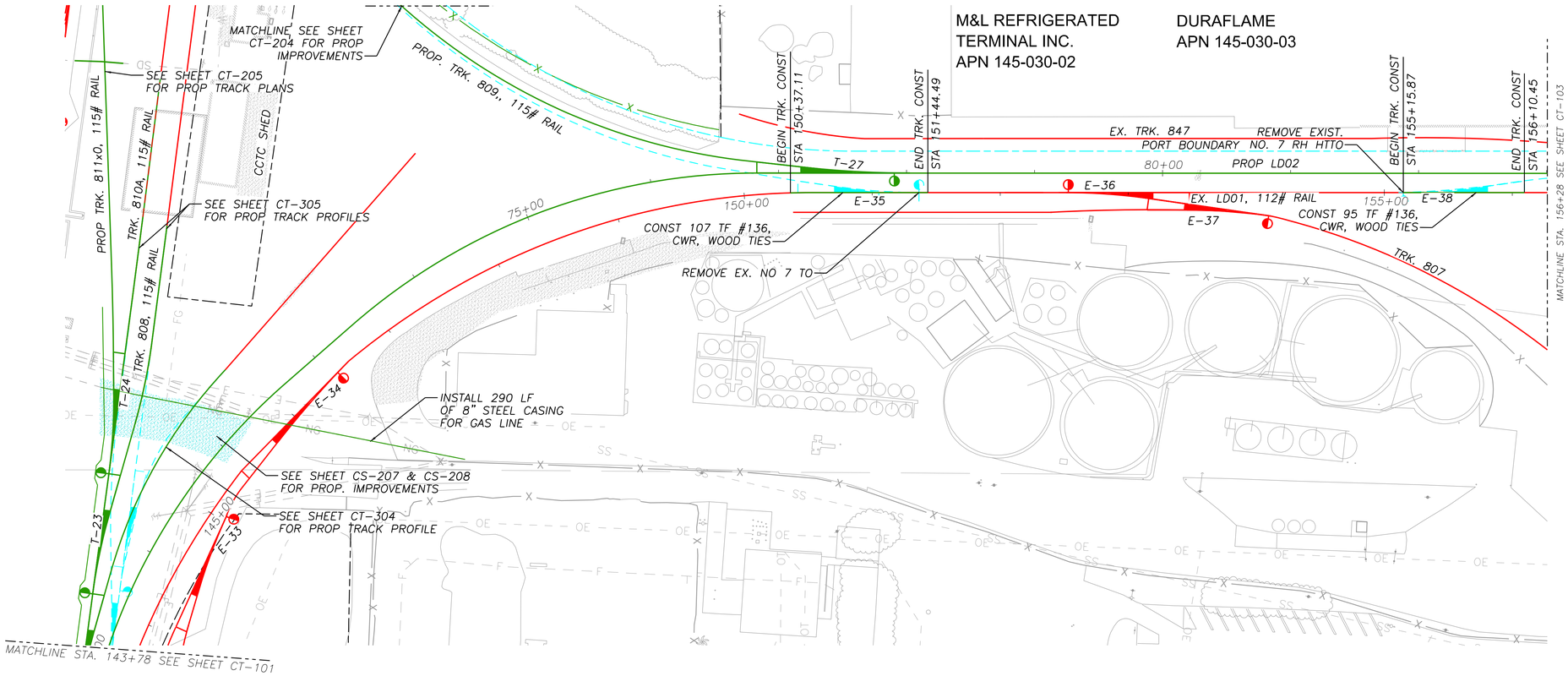
PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO.
CT-101
SHEET 16 of 94

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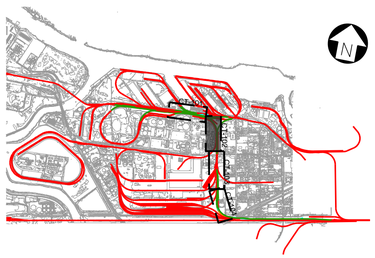
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DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.



0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

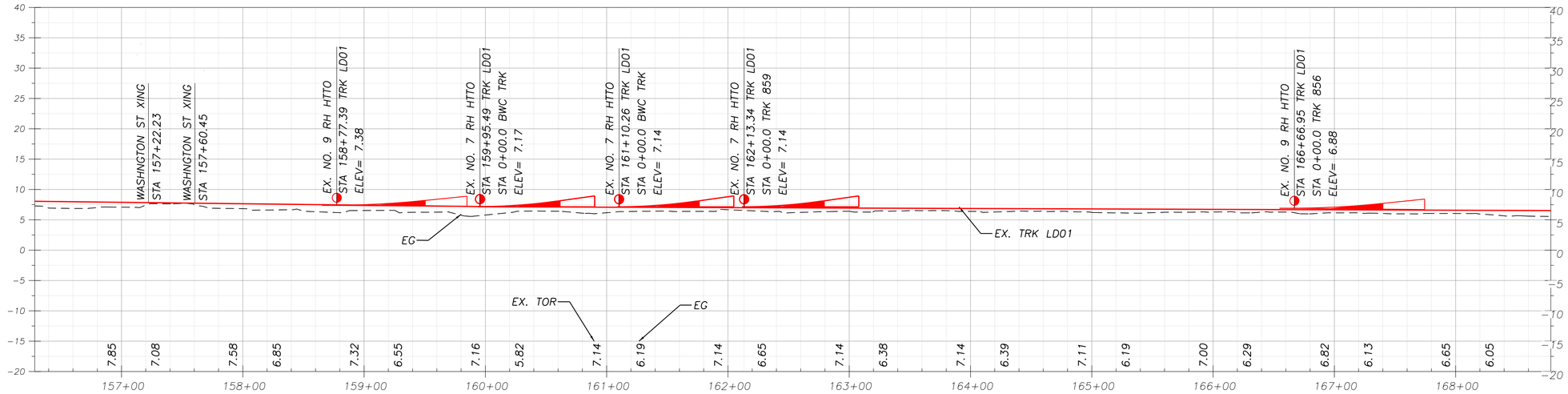
SHEET TITLE:

LD01 TRACK PLAN AND PROFILE
STA 143+78 TO STA 156+28

PROJ NO: 21273	SHEET NO. CT-102
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 17 of 94

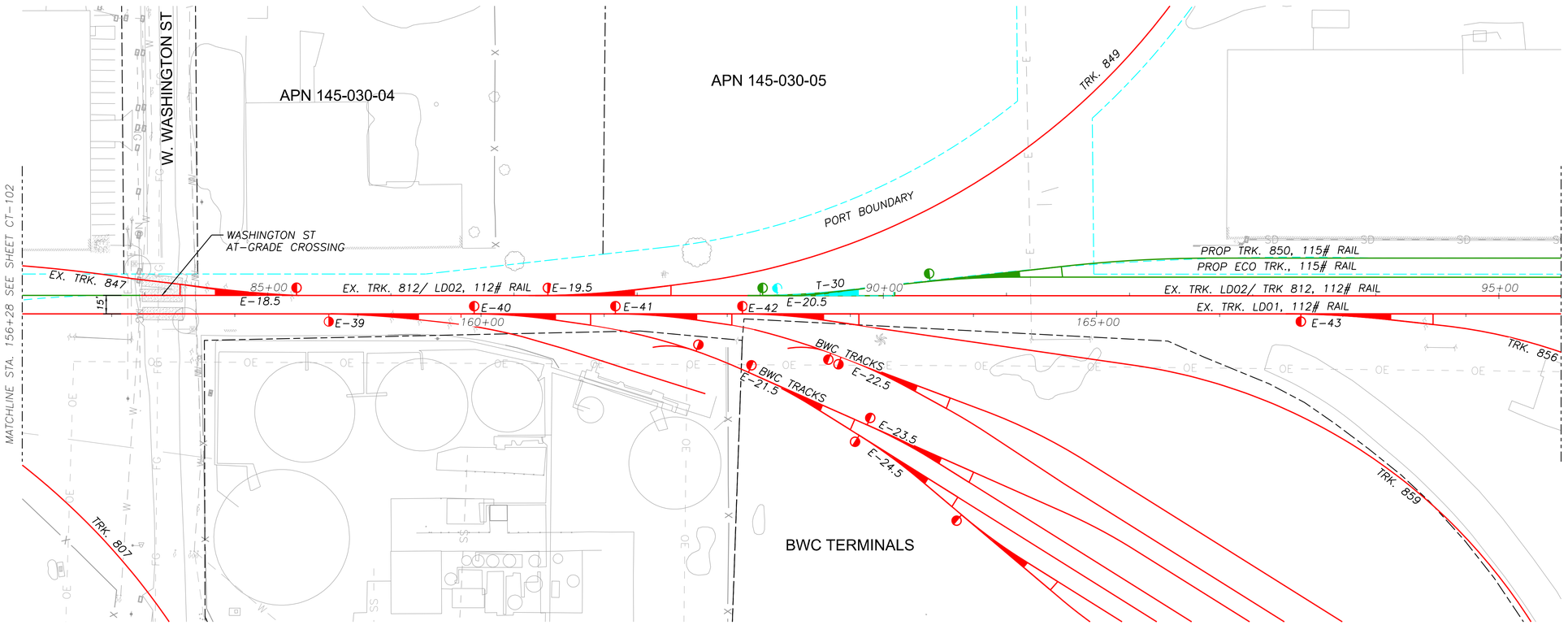
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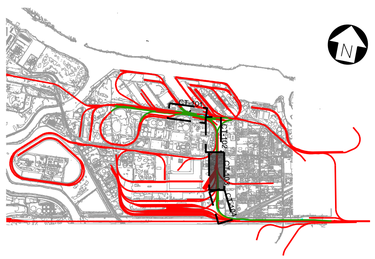
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DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.





0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

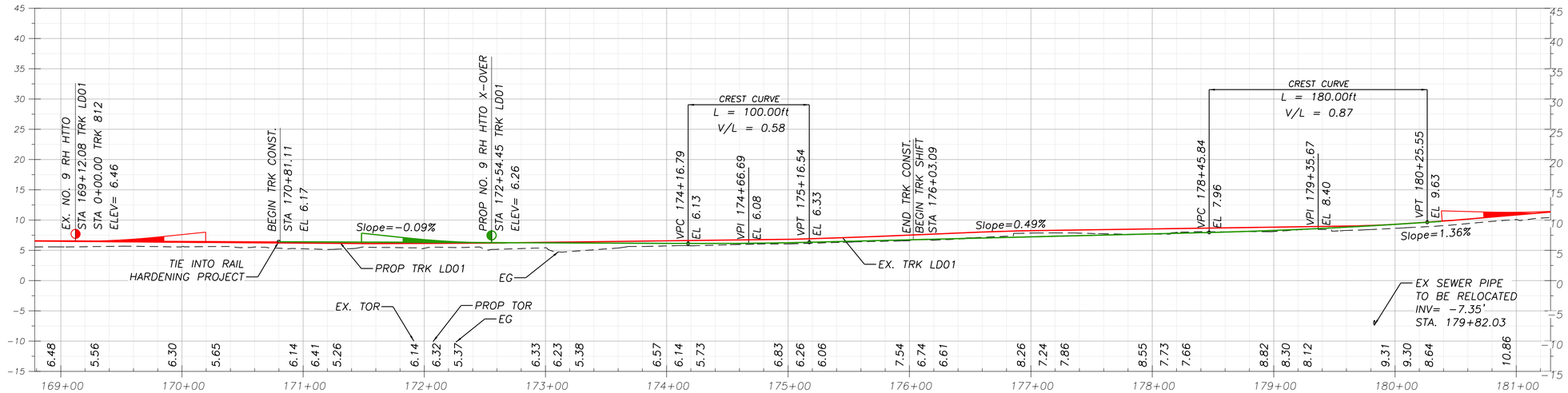
315 W FYFFE STREET
STOCKTON, CA 95230

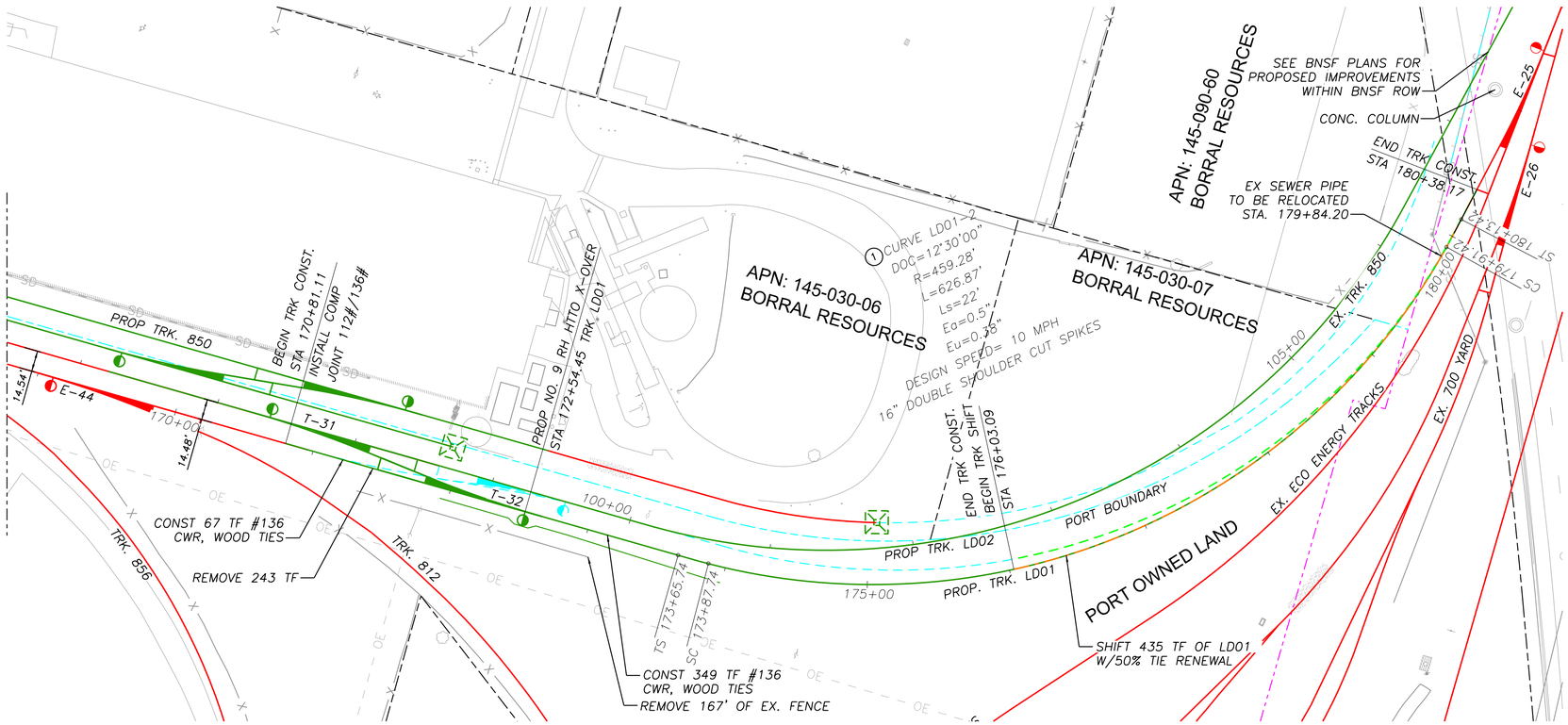
SHEET TITLE:
LD01 TRACK PLAN AND PROFILE
STA 156+28 TO STA 168+78

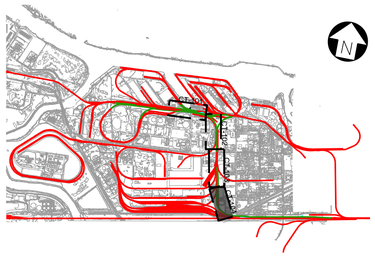
PROJ NO: 21273	SHEET NO. CT-103
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 18 of 94
DESIGNED BY: AG	

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0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

SHEET NOTES:

(1) ADD CURVE BLOCK PLATES ON CURVES.

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

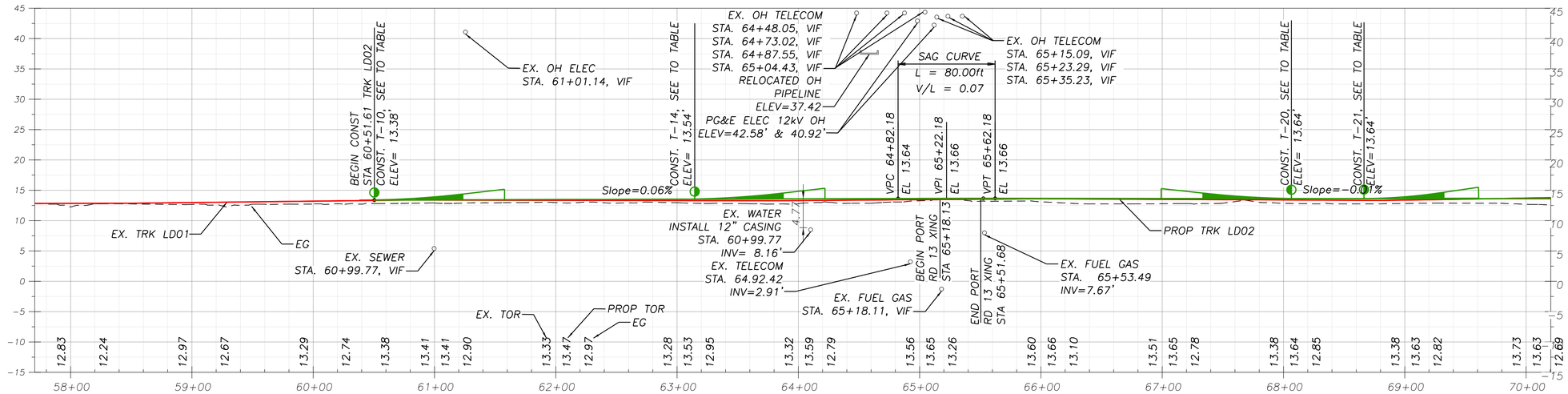
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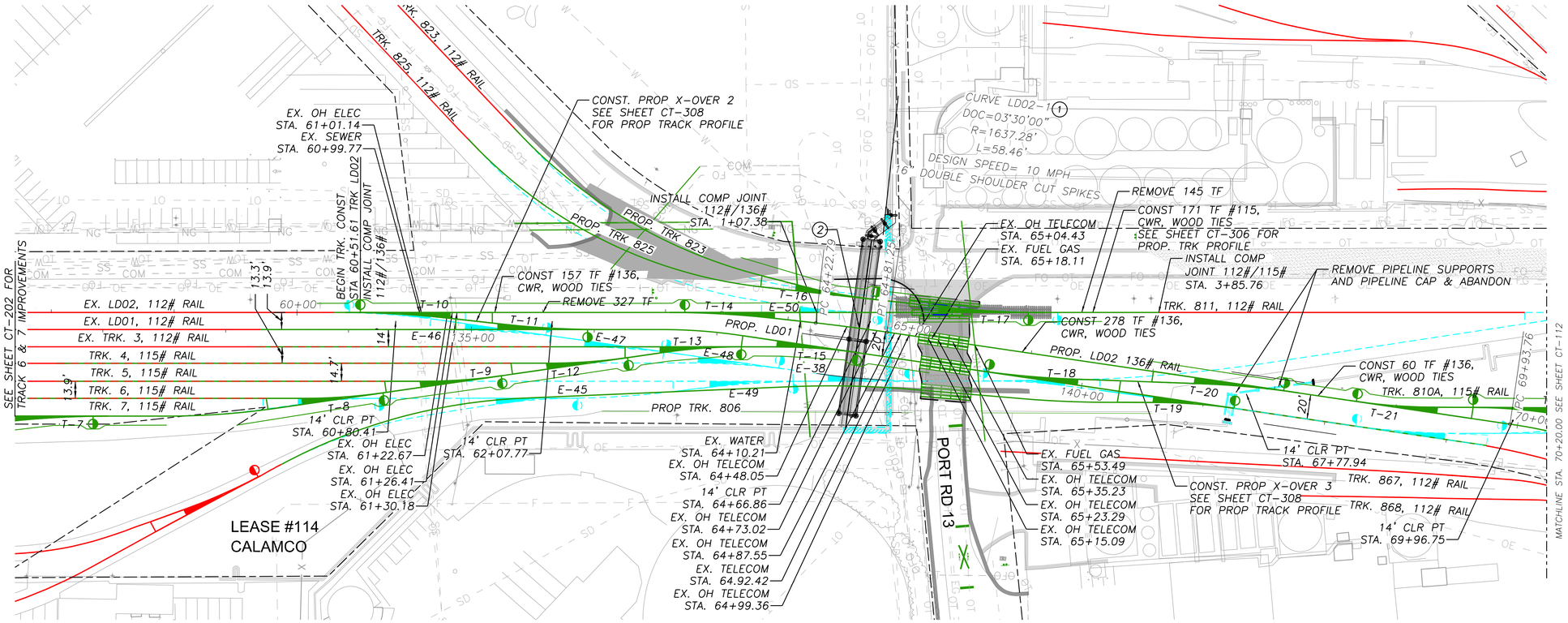
LD01 TRACK PLAN AND PROFILE
STA 168+78 TO STA 181+28

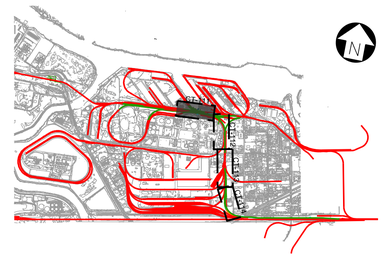
PROJ NO: 21273	SHEET NO.
SCALE: AS NOTED	CT-104
DATE: 08/31/2026	SHEET 19 of 94
DESIGNED BY: AG	

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DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.
3. REFER TO SHEET CT-101 TO CT-104 FOR PROPOSED UTILITY WORK.

SHEET NOTES:

(1) ADD CURVE BLOCK PLATES ON CURVES.

(2) ADD INNER GUARD RAIL AROUND OH BRIDGE COLUMNS FROM STA. 64+31.04 TO STA. 64+86.04 PER UPRR STD DWG 4001.

TURNOUT TABLE

T-10	60+51.61 0+00.00	TRK LD02 X-OVER 2	NO. 9 LH	HTTO
T-14	63+15.73 0+00.00	TRK LD02 TRK 811	NO. 9 RH	HTTO
T-20	68+07.72 0+00.00	TRK LD02 X-OVER 3	NO. 9 RH	HTTO
T-21	68+67.52 0+00.00	TRK LD02 TRK 810A	NO. 7 LH	HTTO

0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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8/30/2026 - 9:21:02 PM - pw://JMA-PW-APP.jmadirll.com:JMA-PW/Documents/Projects/21273-HDRPrjS/Rail/Sheets/LLD/TCT-111 - CT-114 LD02

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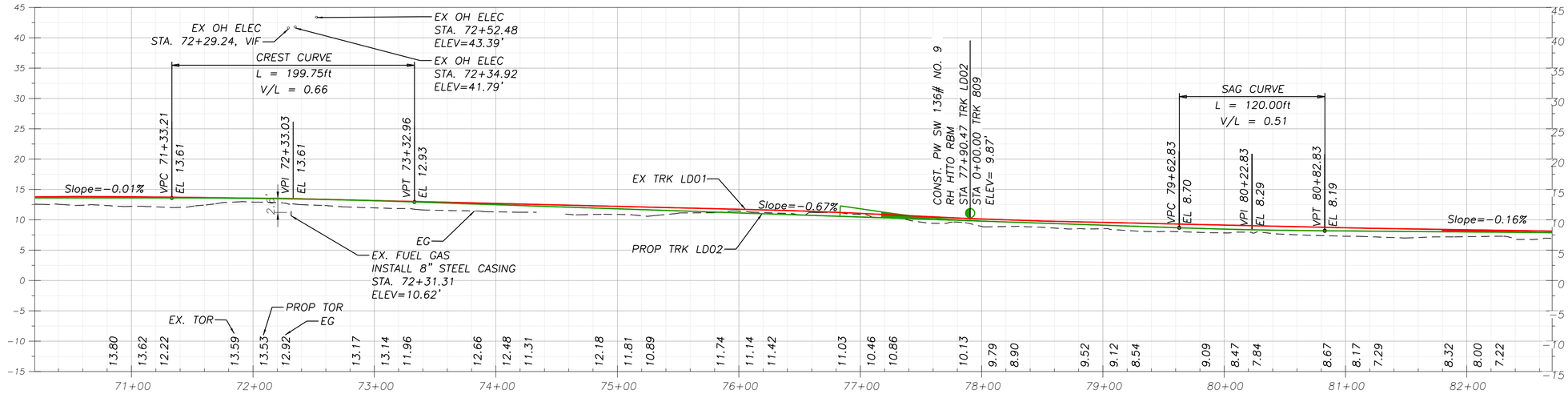
PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
LD02 TRACK PLAN AND PROFILE
STA 57+70 TO STA 70+20

PROJ NO: 21273	SHEET NO. CT-111
SCALE: AS NOTED	SHEET 20 of 94
DATE: 08/31/2026	
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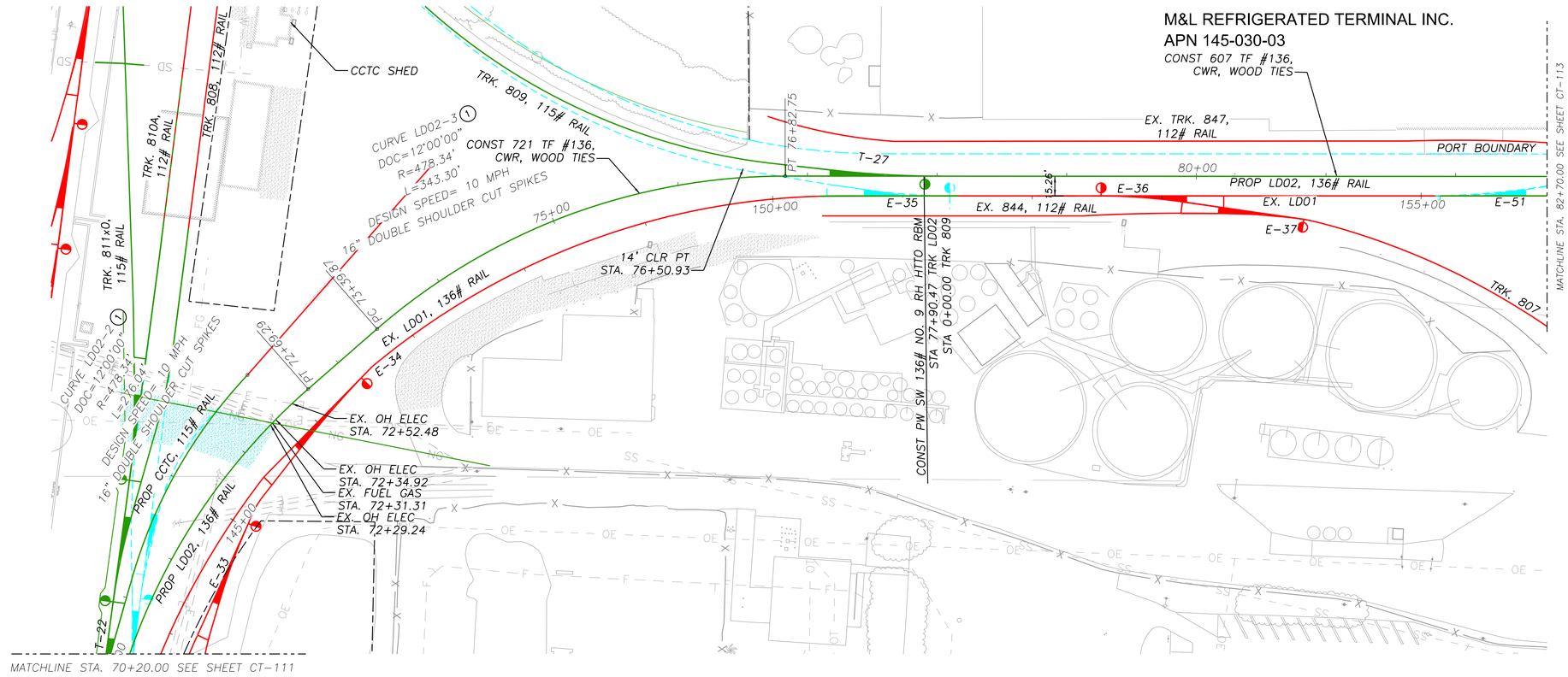


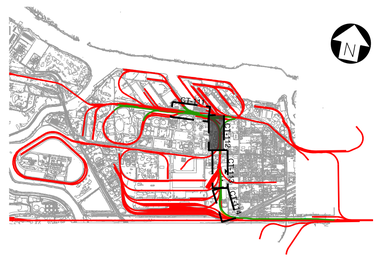
DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.
3. REFER TO SHEET CT-101 TO CT-104 FOR PROPOSED UTILITY WORK.

SHEET NOTES:

(1) ADD CURVE BLOCK PLATES ON CURVES.





0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	REVISIONS:

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
LD02 TRACK PLAN AND PROFILE
STA 70+20 TO STA 82+70

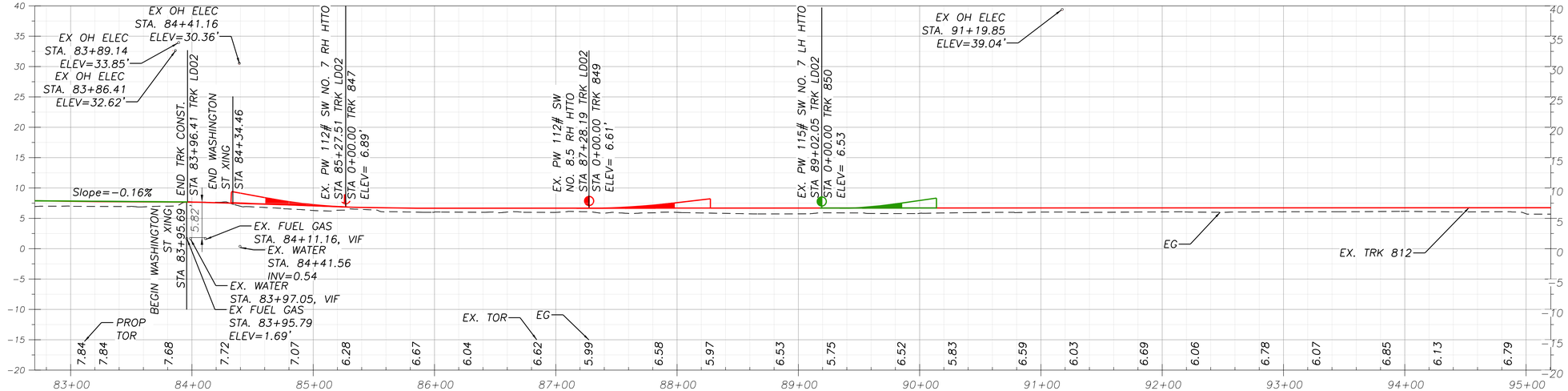
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SCALE: AS NOTED	CT-112
DATE: 08/31/2026	SHEET 21 of 94
DESIGNED BY: AG	

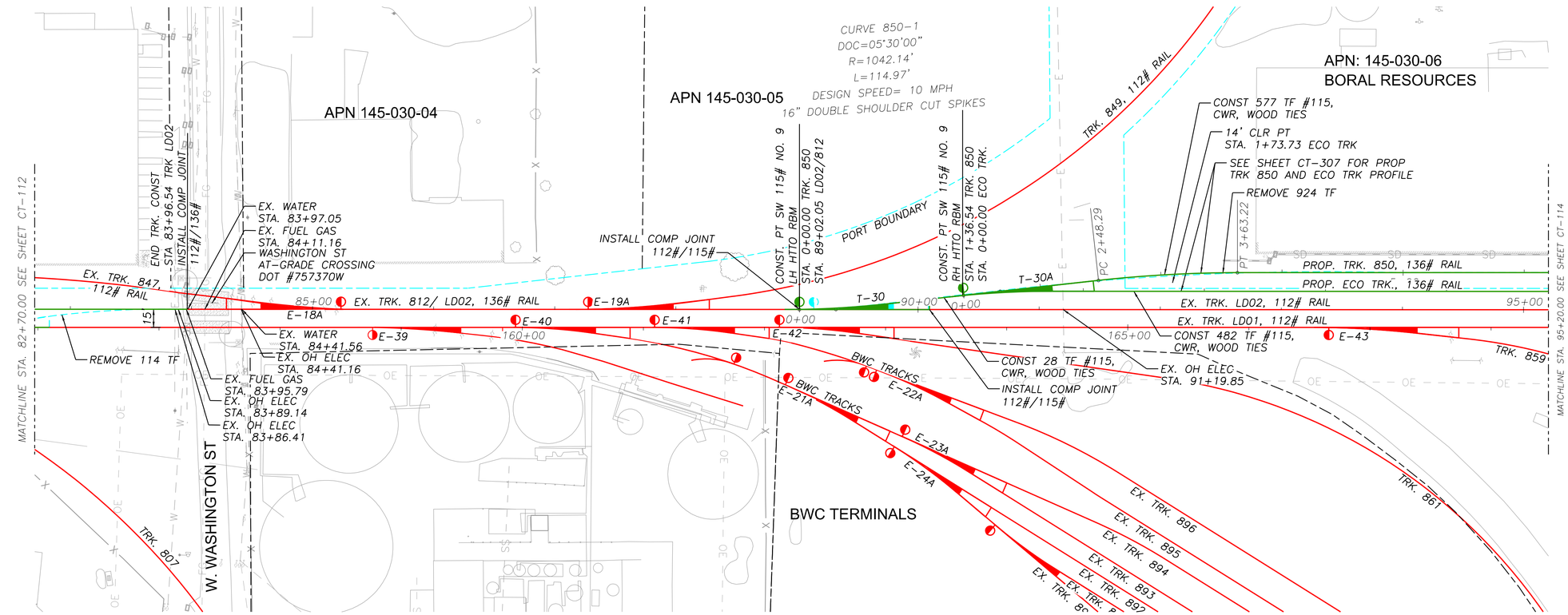
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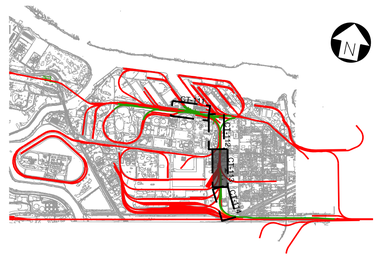
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DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.
3. REFER TO SHEET CT-101 TO CT-104 FOR PROPOSED UTILITY WORK.







0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:
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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

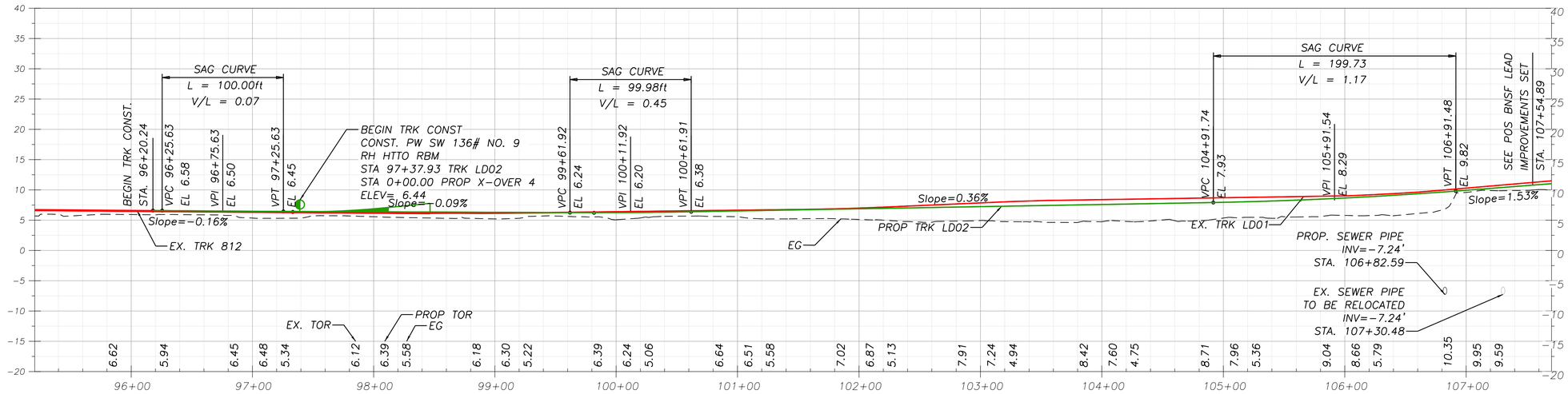
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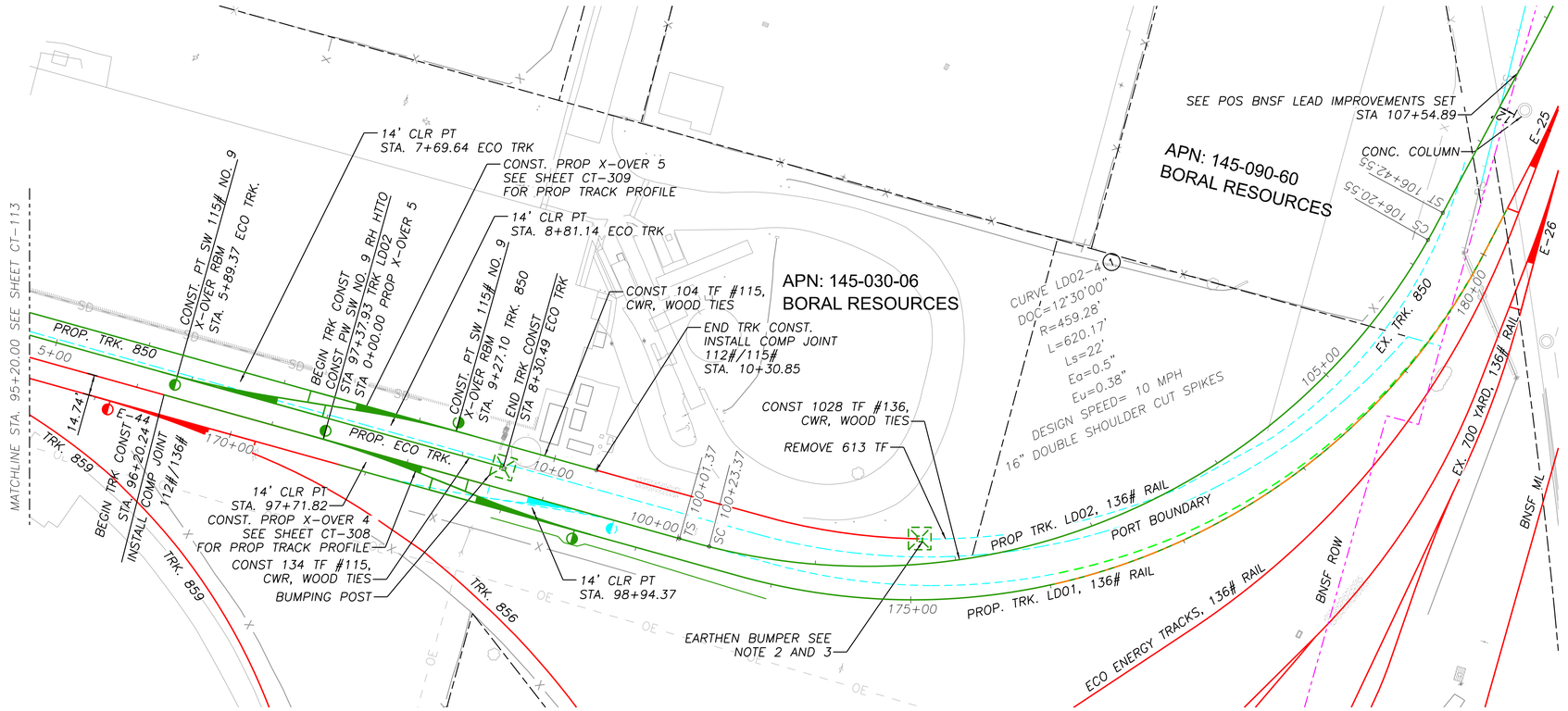
LD02 TRACK PLAN AND PROFILE
STA 82+70 TO STA 95+20

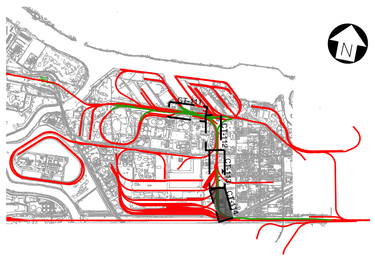
PROJ NO: 21273	SHEET NO. CT-113
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 22 of 94

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0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

DESIGN NOTES:

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2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.
3. REFER TO SHEET CT-101 TO CT-104 FOR PROPOSED UTILITY WORK.

SHEET NOTES:

(1) ADD CURVE BLOCK PLATES ON CURVES.

(2) INSTALL EARTHEN BUMPER PER UPRR STANDARD DRAWING 0030D.

(3) INSTALL EOT SIGN PER UPRR STANDARD DRAWING 0513A.

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ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

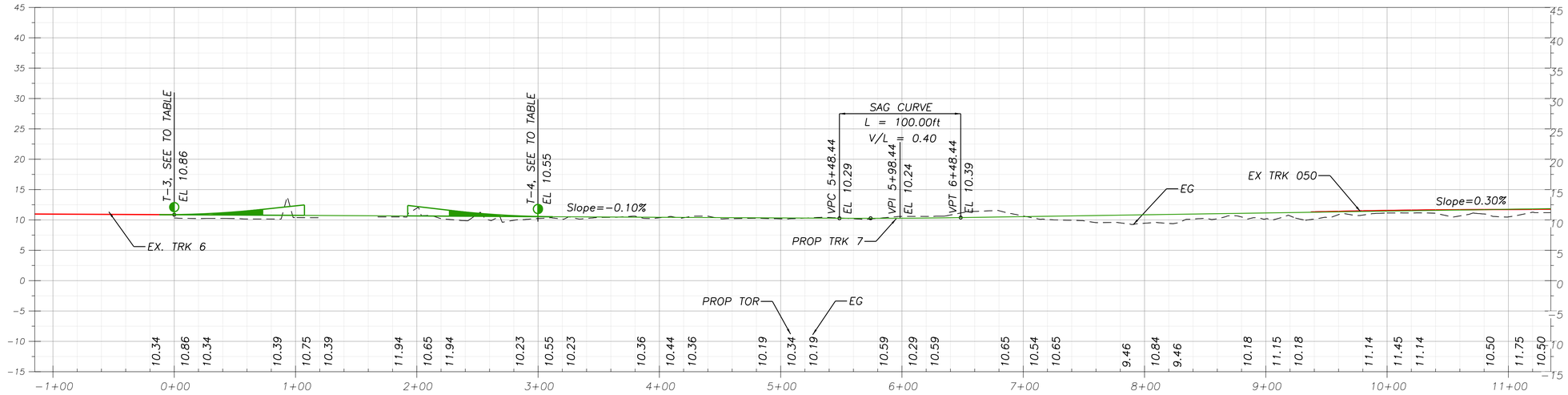
SHEET TITLE:
LD02 TRACK PLAN AND PROFILE
STA 95+20 TO STA 107+50

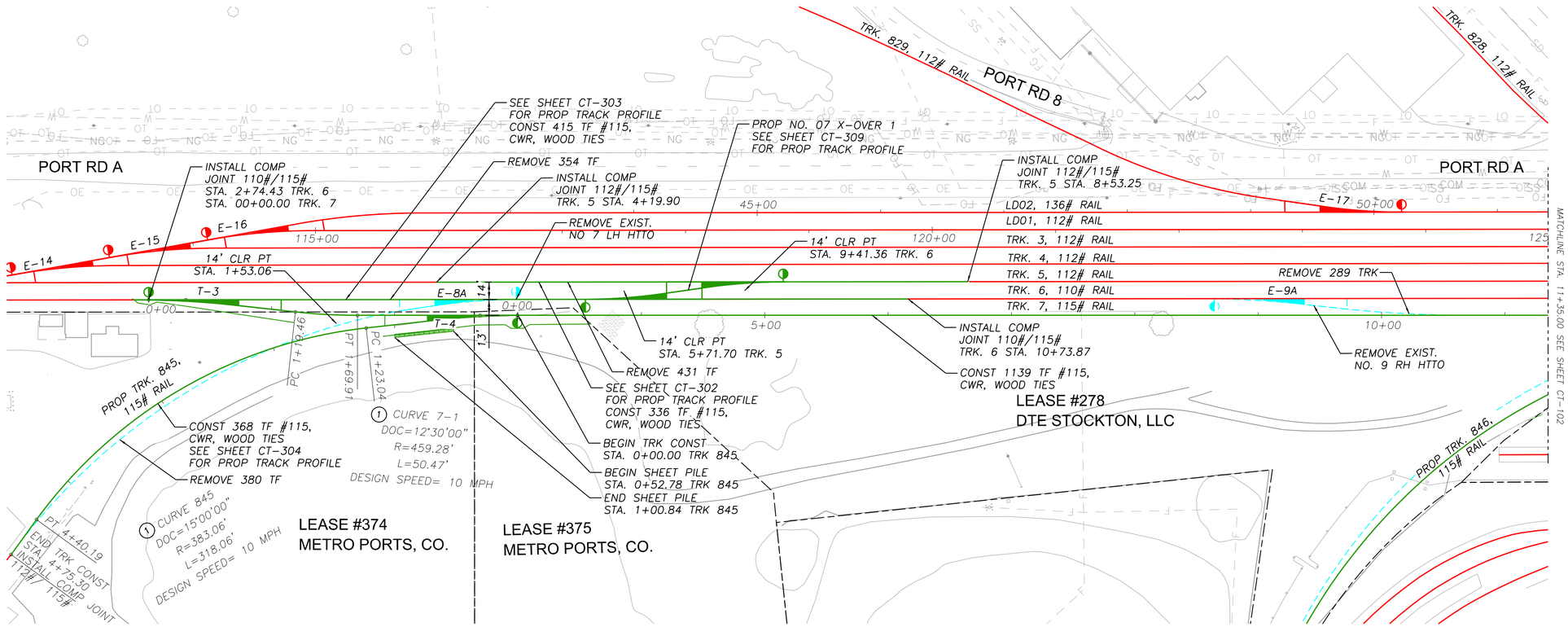
PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO.
CT-114
SHEET 23 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSadiq
8/18/2026 - 4:30:29 P.M. - pw://JMA-PW-APP.jmadirll.com:JMA-PW/Documents/Projects/21273-HDRNoS/Rail/Sheets/LLDT/CT-111 - CT-114 LD02





DESIGN NOTES:

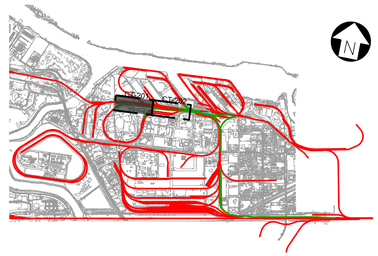
1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

SHEET NOTES:

(1) ADD CURVE BLOCK PLATES ON CURVES.

TURNOUT TABLE

T-3	2+74.36 TRK 6 0+00.00 TRK 7	NO. 9 LH	HTTO
T-4	2+99.44 TRK 7 0+00.00 TRK 845	NO. 9 LH	HTTO
X-OVER	6+28.34 TRK 6 0+00.00 X-OVER 1	NO. 7 LH	HTTO
X-OVER	7+03.70 TRK 5 1+62.81 X-OVER 1	NO. 7 LH	HTTO



0 10 20 30
VERTICAL SCALE FEET
1" = 10'
0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

SUBCONSULTANT:

JMA CIVIL
5250 Claremont Ave, Suite 227
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www.jmacivil.com
SUBCONSULTANT:

HDR
2379 Gateway Oaks, Ste. 200
Sacramento, CA 95833
T: 916.679.8700
www.hdrinc.com
PRIME CONSULTANT:

LICENSED PROFESSIONAL ENGINEER
ARKAPRABHA GHOSH
C91571
Exp. 09/30/26
CIVIL ENGINEER
STATE OF CALIFORNIA
PROFESSIONAL SEAL:

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08/31/2026
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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK
315 W FYFFE STREET
STOCKTON, CA 95230

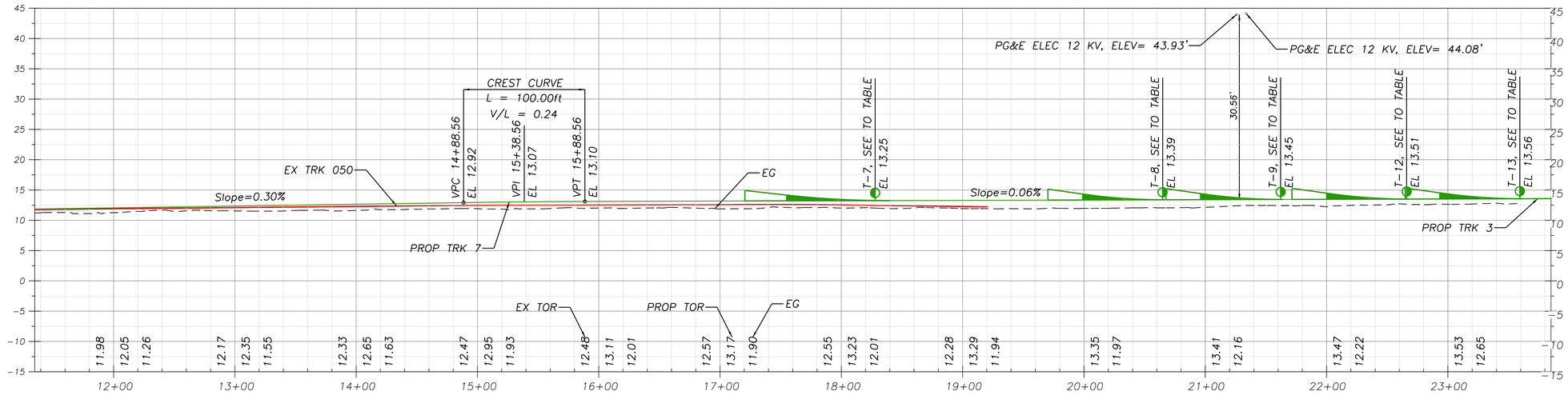
SHEET TITLE:
TRACK 7 PLAN AND PROFILE
STA 0+00 TO STA 11+35

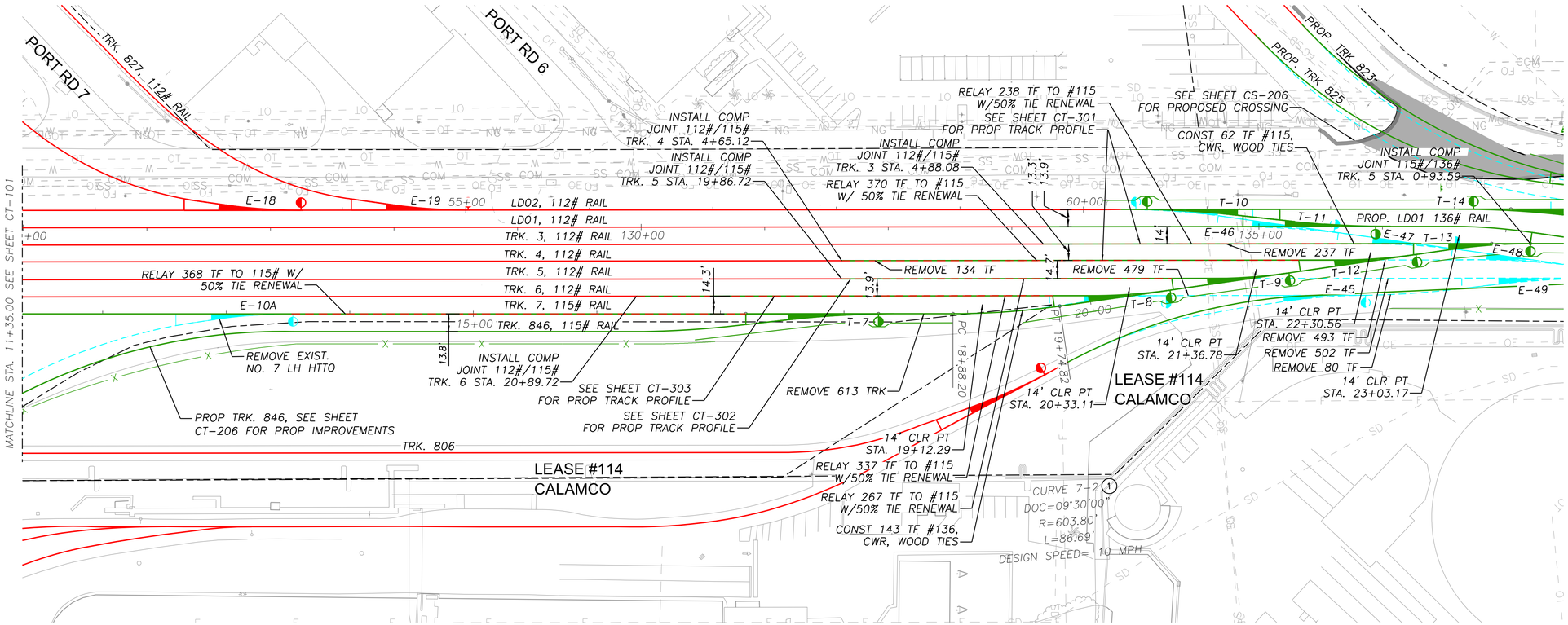
PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO.
CT-201
SHEET 24 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSadiq
8/17/2026 - 4:06:58 PM - pw://JMA-PW-APP.jmadxb.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD/CT-201 & CT-202 Trk 7





DESIGN NOTES:

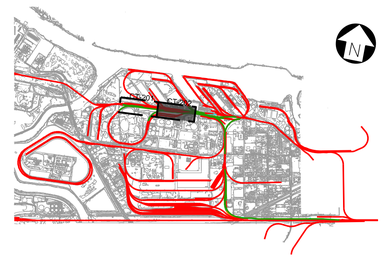
1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

SHEET NOTES:

(1) ADD CURVE BLOCK PLATES ON CURVES.

TURNOUT TABLE

T-7	18+27.90 0+00.00	TRK 7 TRK 846	NO. 9 LH	HTTO
T-8	0+00.00 20+65.02	TRK 6 TRK 7	NO. 7 LH	HTTO
T-9	0+00.00 21+62.31	TRK 5 TRK 7	NO. 7 LH	HTTO
T-12	0+00.00 22+66.19	TRK 4 TRK 7	NO. 7 LH	HTTO
T-13	0+93.37 23+59.38	TRK 3 TRK 7	NO. 7 LH	HTTO



0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

Hammad Sadiq
8/31/2026 - 4:38:44 PM - pw://JMA-PW-APP.jmacivil.com:JMA-PW/Documents/Projects/21273-HDRNx/Rail/Sheets/LLDT/CT-201 & CT-202 Trk 7

SUBCONSULTANT:	SUBCONSULTANT: JMA CIVIL 5250 Claremont Ave., Ste. 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	PRIME CONSULTANT: HDR 2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com	PROFESSIONAL SEAL: LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA	ISSUE: ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026	REVISIONS: 0 08/31/2026 ISSUED FOR BID MARK DATE DESCRIPTION

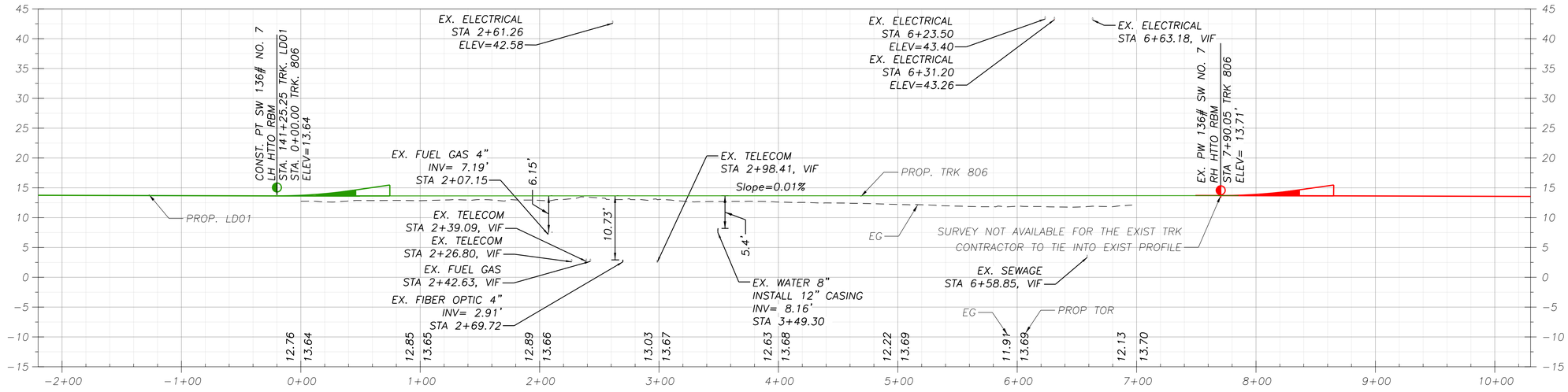
PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

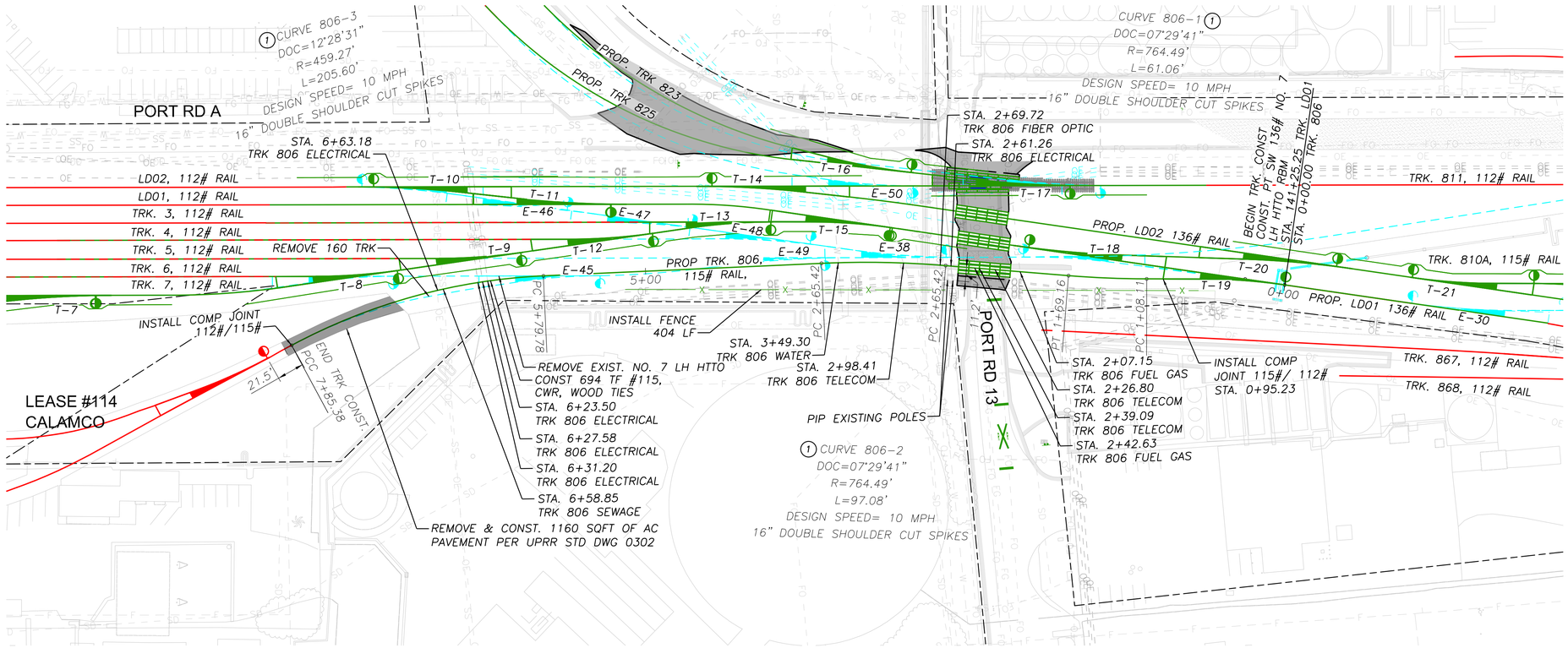
315 W FYFFE STREET
STOCKTON, CA 95230

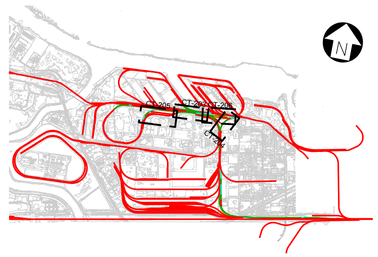
SHEET TITLE:
TRACK 7 PLAN AND PROFILE
STA 11+35 TO STA 23+60

PROJ NO: 21273	SHEET NO. CT-202
SCALE: AS NOTED	SHEET 25 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING







DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.
3. UTILITIES SHOWN ON PLANS ARE BASED ON THE PORT GIS DATA AND THE UTILITY POTHOLING DONE ON 06/21/2024.

SHEET NOTES:

(1) ADD CURVE BLOCK PLATES ON CURVES.

0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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STATE OF CALIFORNIA
PROFESSIONAL SEAL:

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08/31/2026
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REVISIONS:

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

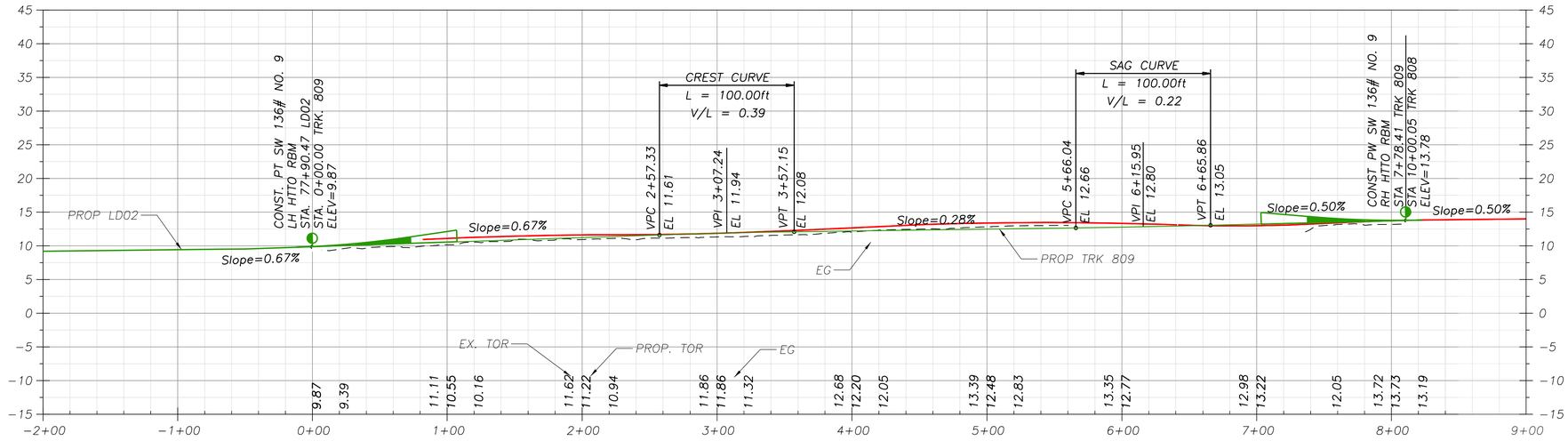
SHEET TITLE:
TRACK 806 PLAN AND PROFILE
STA 0+00 TO ST 9+50

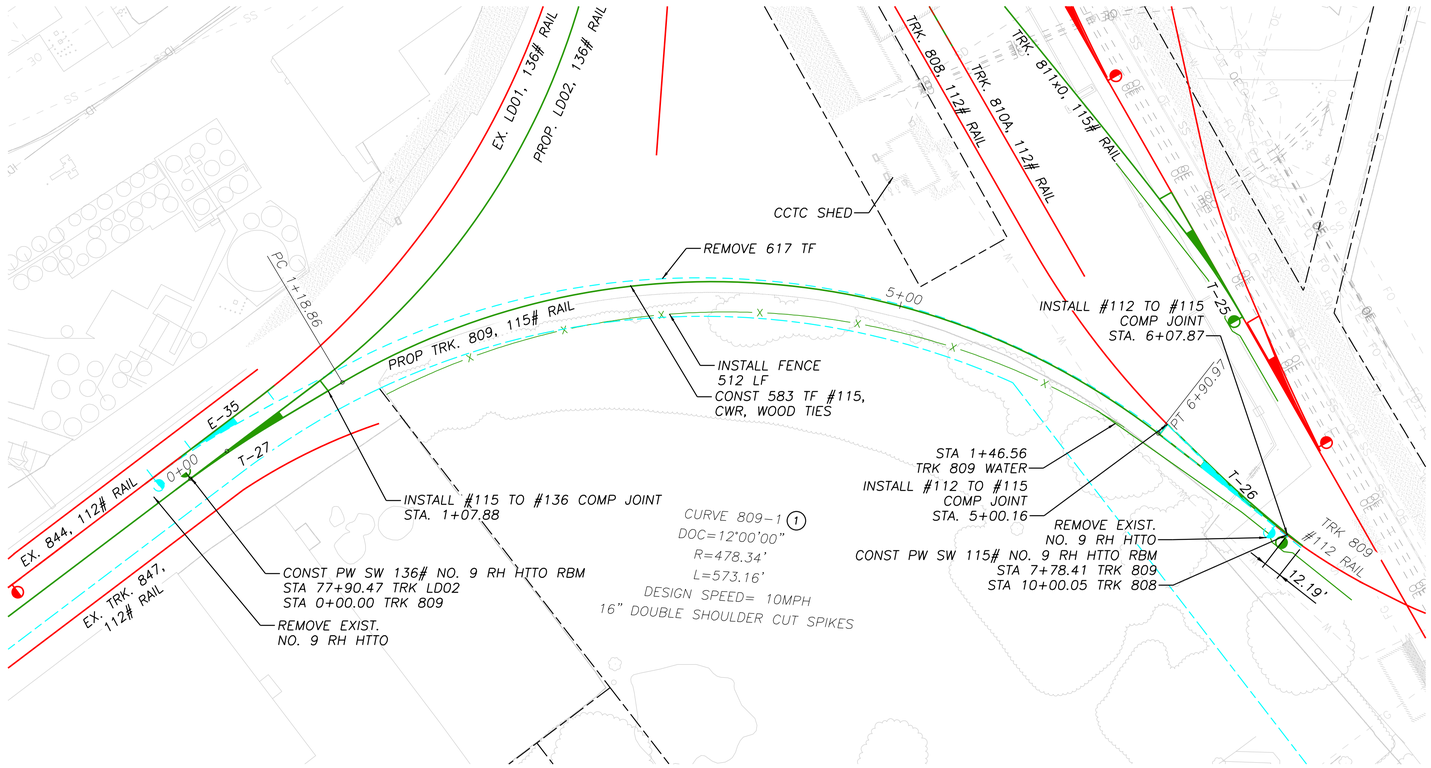
PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO.
CT-203
SHEET 26 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSadiq
8/31/2026 - 12:36:48 PM pw://JMA-PW-APP.jmadrill.com:JMA-PW/Documents/Projects/21273-HDRProS/Rail/Sheets/LLD/CT-203 & CT-204.dgn



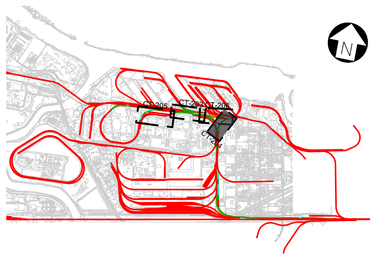


DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.
3. UTILITIES SHOWN ON PLANS ARE BASED ON THE PORT GIS DATA AND THE UTILITY POTHOLING DONE ON 06/21/2024.

SHEET NOTES:

(1) ADD CURVE BLOCK PLATES ON CURVES.



0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

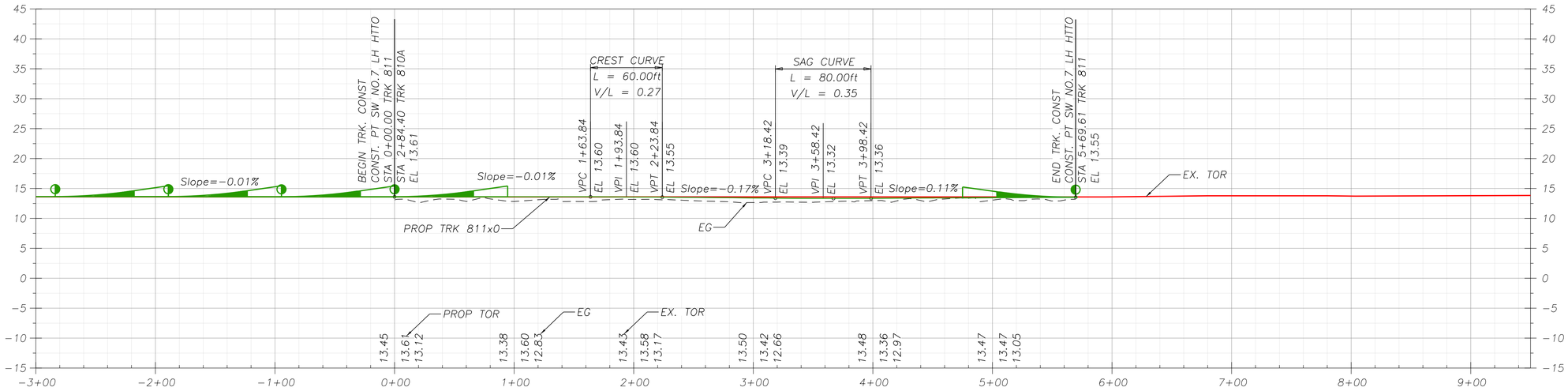
315 W FYFFE STREET
STOCKTON, CA 95230

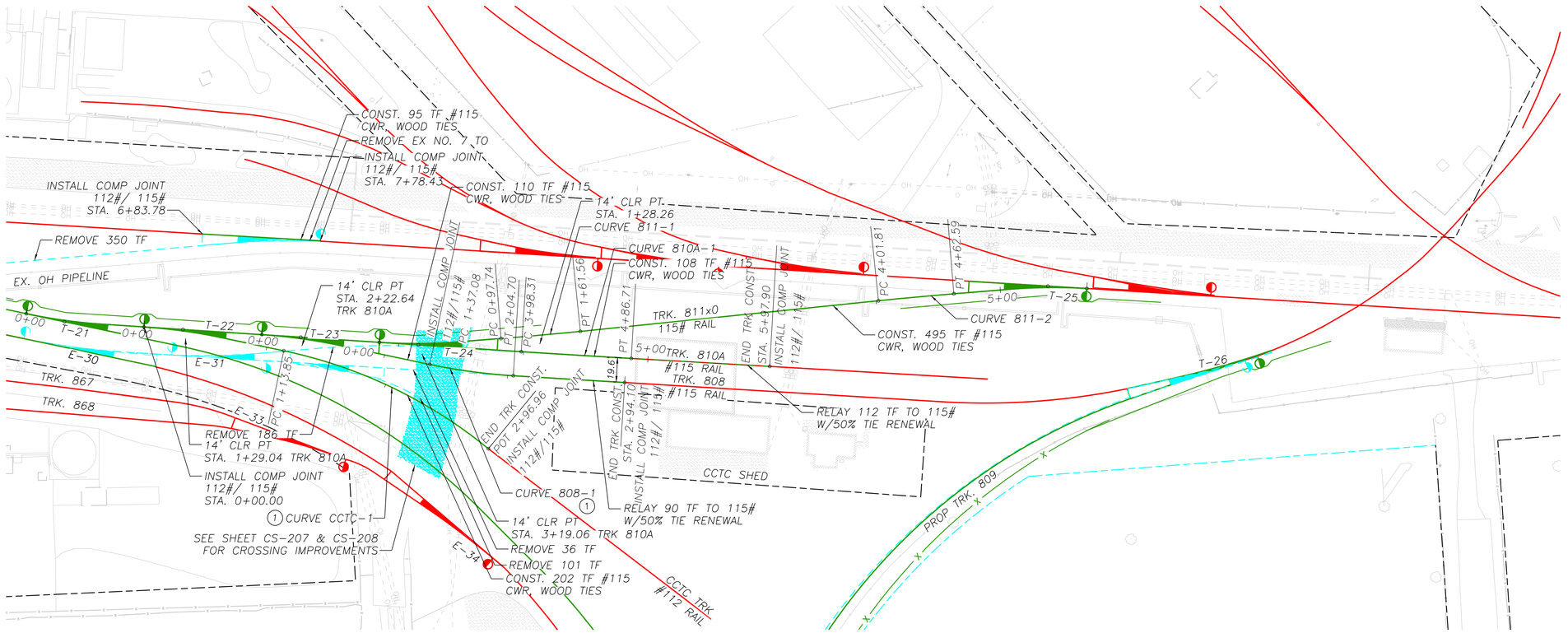
SHEET TITLE:
TRACK 809 PLAN AND PROFILE
STA 0+00 TO ST 9+00

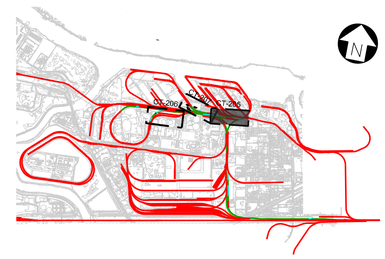
PROJ NO: 21273	SHEET NO. CT-204
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 27 of 94

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HammadSadiq
8/18/2026 - 4:38:00 PM - pw://JMA-PW/APP.jmadivil.com:JMA-PW/Documents/Projects/21273-HDR%5/Rail/Sheets/LLD/TCT-203 & CT-2004.dgn







DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

SHEET NOTES:

(1) ADD CURVE BLOCK PLATES ON CURVES.

CURVE TABLE

CURVE	DOC	R	L	SPEED
811-1	02°15'00"	2546.64	63.83'	10 MPH
811-2	02°00'00"	2864.93	60.78'	10 MPH
810A-1	03°30'00"	11459.19	88.40'	10 MPH
808-1	12°30'00"	459.28	67.67'	10 MPH
CCTC-1	15°00'00"	383.06	183.63'	10 MPH

TURNOUT TABLE

T-22	0+95.23 TRK 810A 0+00.00 CCTC TRK	NO. 7 RH HTTO
T-23	1+89.82 TRK 810A 0+00.00 TRK 808	NO. 7 RH HTTO
T-24	2+84.40 TRK 810A 0+00.00 TRK 811x0	NO. 7 LH HTTO
T-25	5+69.61 TRK 811x0	NO. 7 LH HTTO

0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

SUBCONSULTANT:

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LICENSED PROFESSIONAL ENGINEER
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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

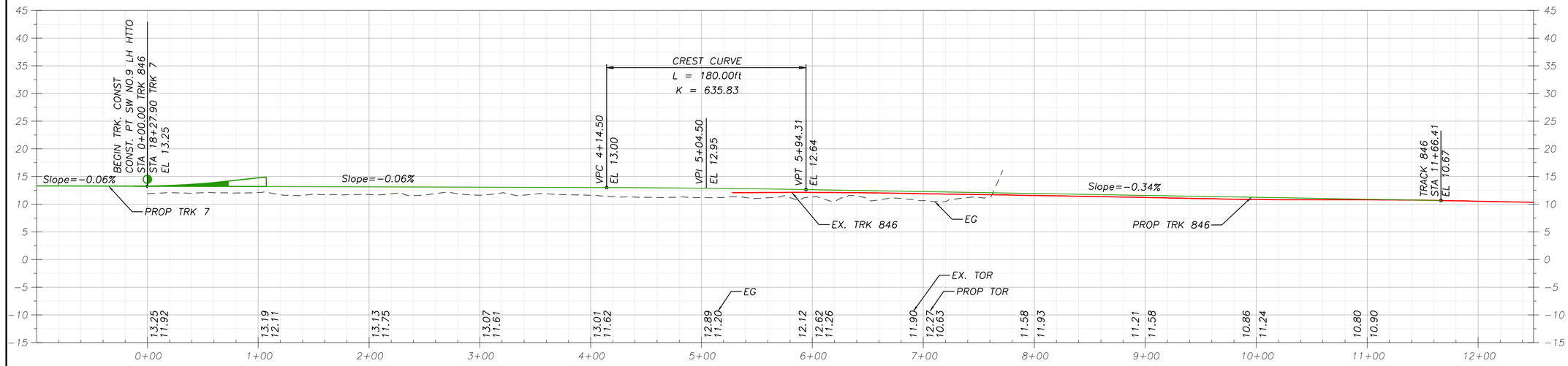
TRACK 811x0 PLAN AND PROFILE
STA 0+00 TO STA 5+70

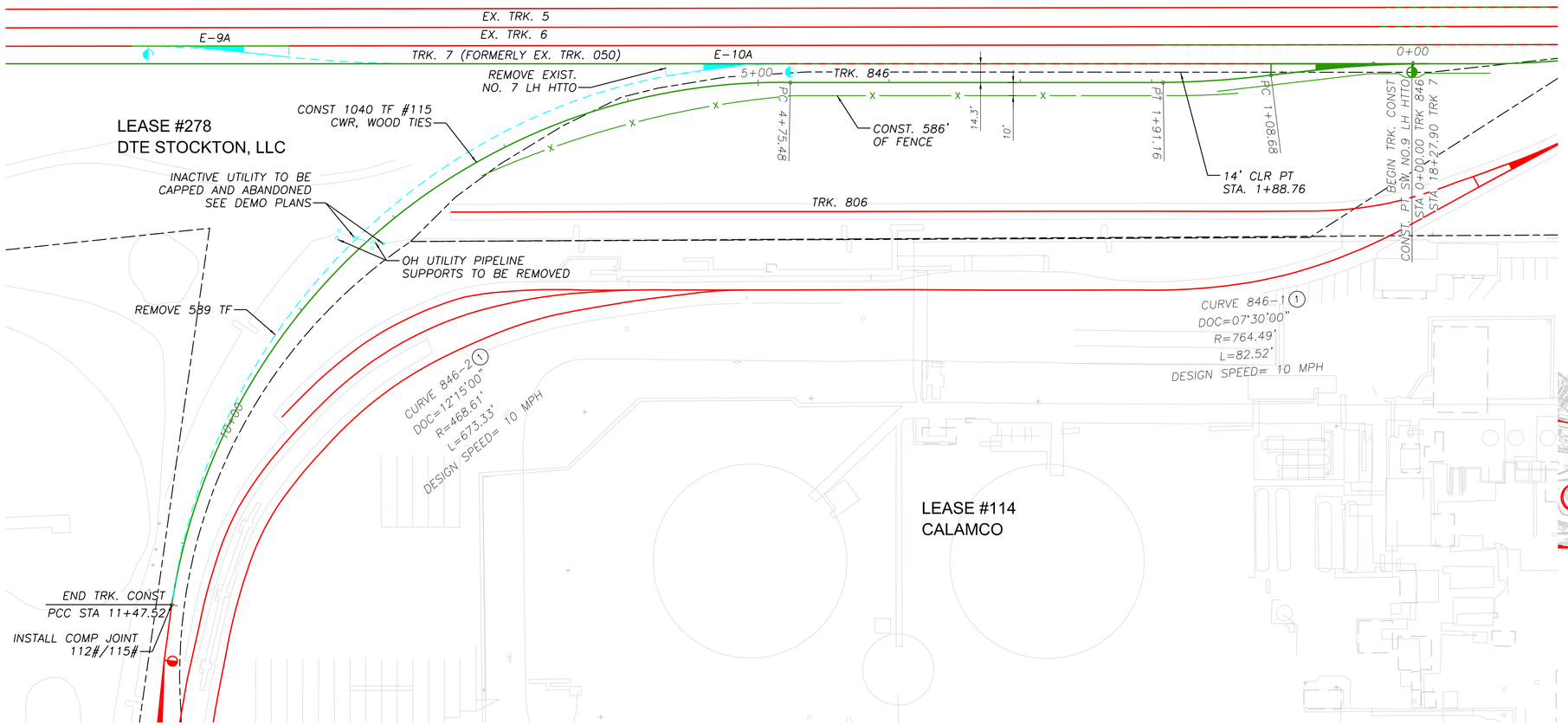
PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

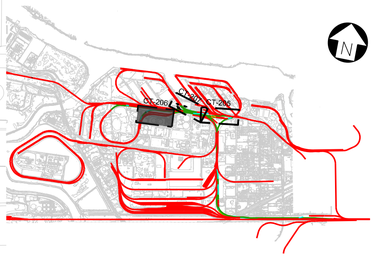
SHEET NO.
CT-205
SHEET 28 of 94

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HammadSaidi
8/30/2026 - 12:32:34 PM pw://JMA-PW-APP.jmadirect.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLDT/CT-205, 206 & 207.dgn







DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-006 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.
3. UTILITIES SHOWN ON PLANS ARE BASED ON THE PORT GIS DATA AND THE UTILITY POTHOLING DONE ON 06/21/2024.

SHEET NOTES:

(1) ADD CURVE BLOCK PLATES ON CURVES.

0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

N

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5250 Claremont Ave, Suite 227
Stockton, CA 95207
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STATE OF CALIFORNIA

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08/31/2026

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

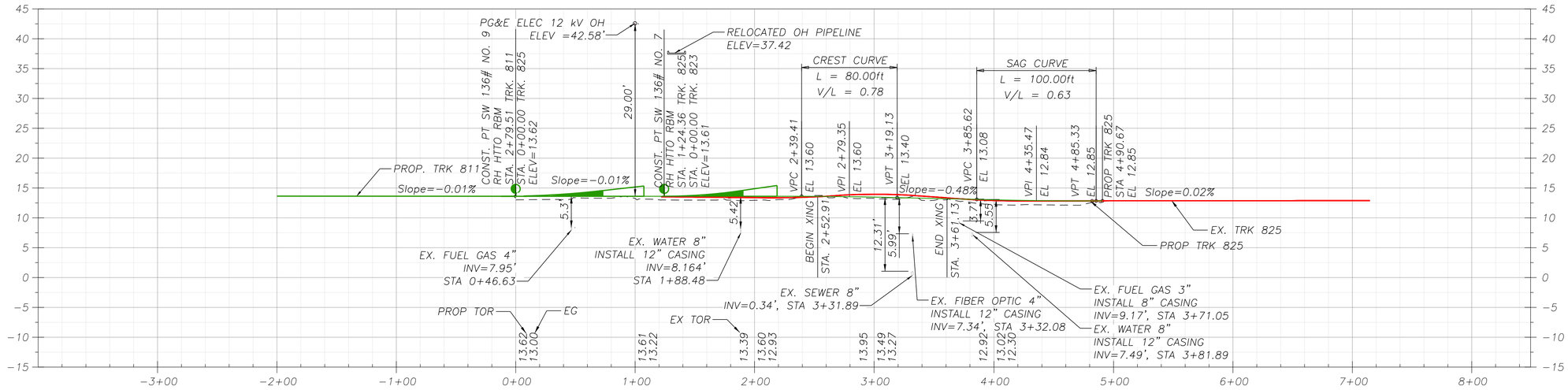
315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
TRACK 846 PLAN AND PROFILE
STA 0+00 TO ST 12+50

PROJ NO: 21273	SHEET NO. CT-206
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 29 of 94
DESIGNED BY: AG	

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSadiq
8/17/2026 - 4:08:07 PM - pw://JMA-PW-APP.jmadrive.com:JMA-PW/Documents/Projects/21273-HDR%26Rail/Sheets/LLDT/CT-205, 206 & 207.dgn

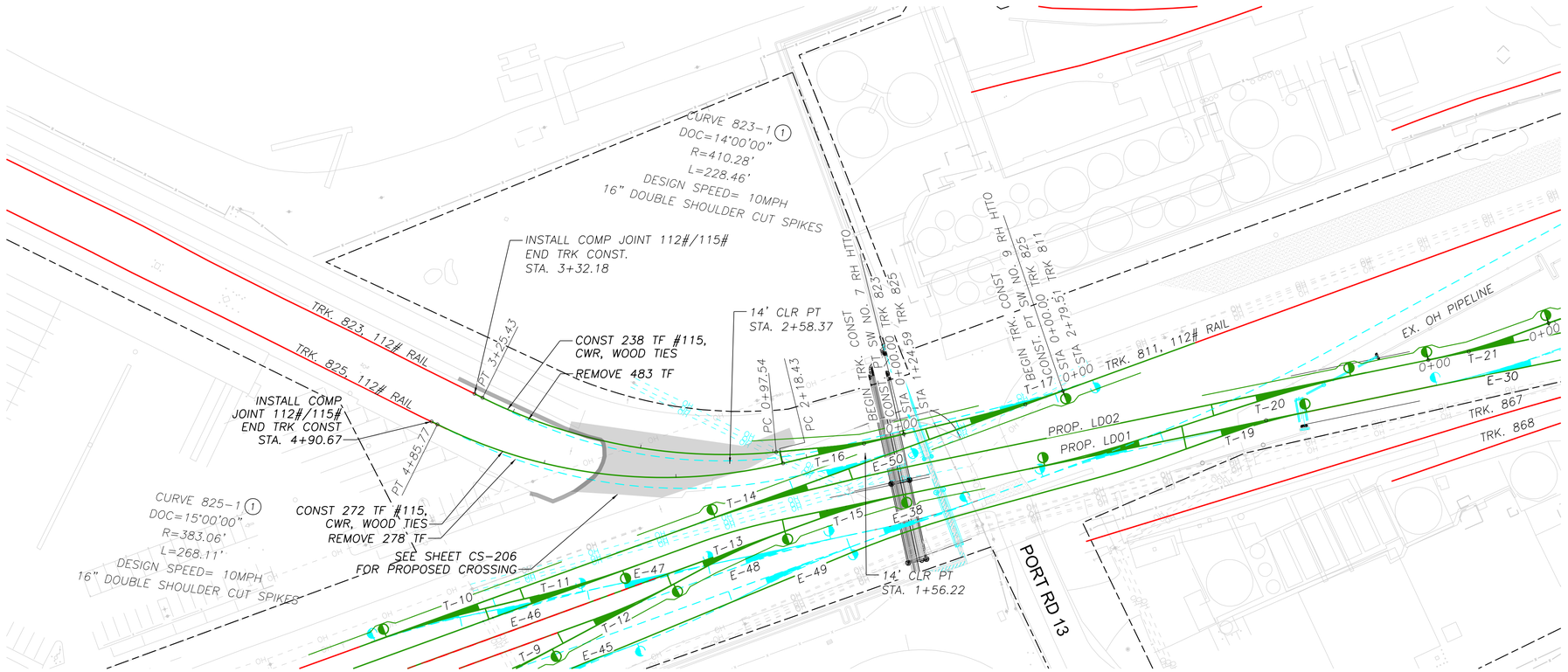


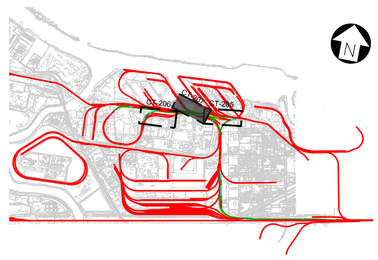
DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

SHEET NOTES:

(1) ADD CURVE BLOCK PLATES ON CURVES.





0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
TRACK 825 PLAN AND PROFILE
STA 0+00 TO 4+86

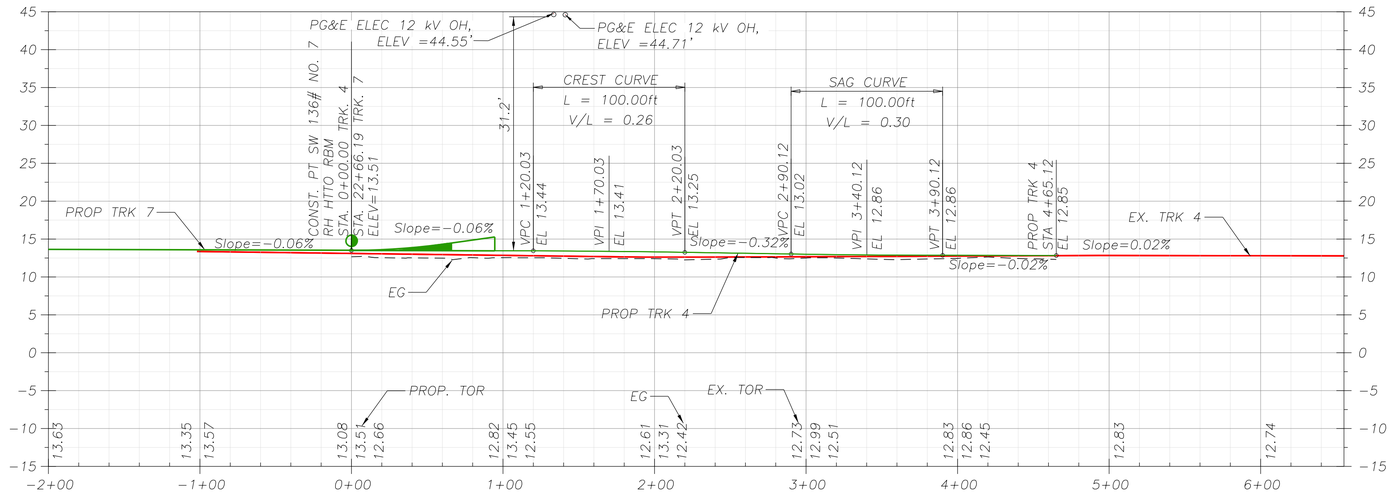
PROJ NO: 21273	SHEET NO.
SCALE: AS NOTED	CT-207
DATE: 08/31/2026	SHEET 30 of 94
DESIGNED BY: AG	

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

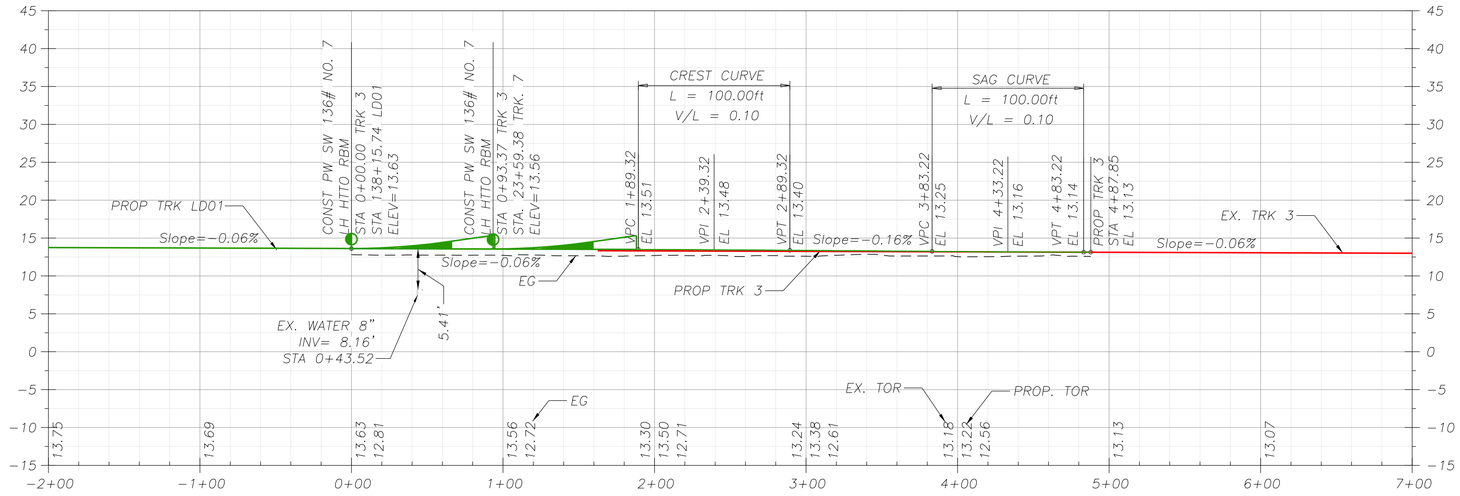
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8/17/2026 - 4:08:14 PM - pw://JMA-PW-APP.jmadvlt.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD/TCT-205, 206 & 207.dgn

DESIGN NOTES:

1. THE TRACK LAYOUT IS BASED ON 60' DISTANCE BETWEEN REVERSE CURVES.



TRACK 4 PROFILE, SEE SHEET CT-202 FOR PLAN VIEW



TRACK 3 PROFILE, SEE SHEET CT-202 FOR PLAN VIEW

0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:
TRACK 3 & 4 PROFILE

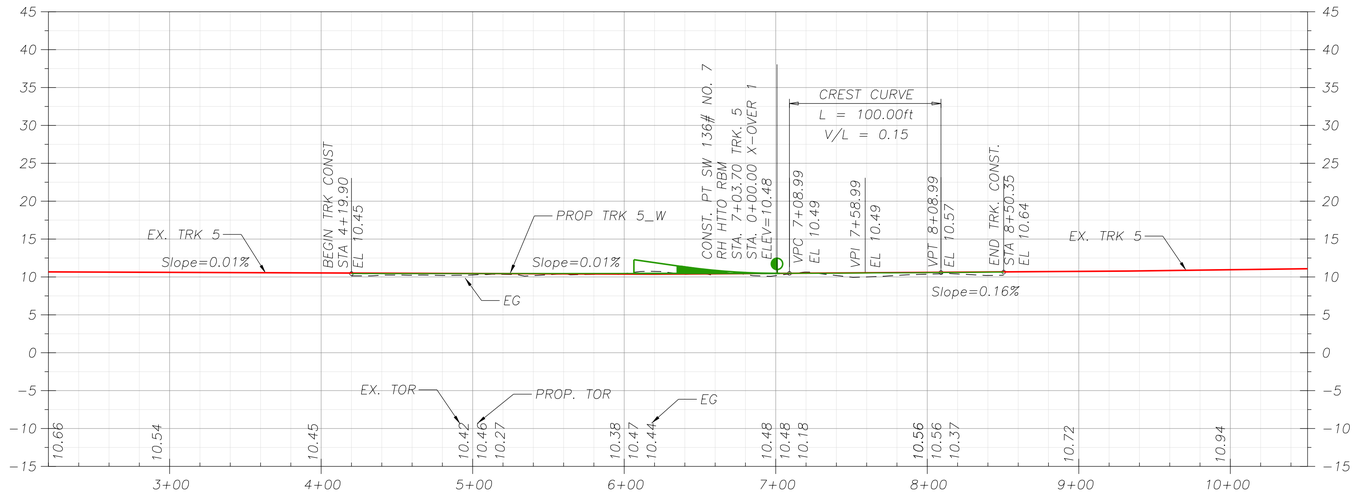
PROJ NO: 21273	SHEET NO. CT-301
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 31 of 94
DESIGNED BY: AG	

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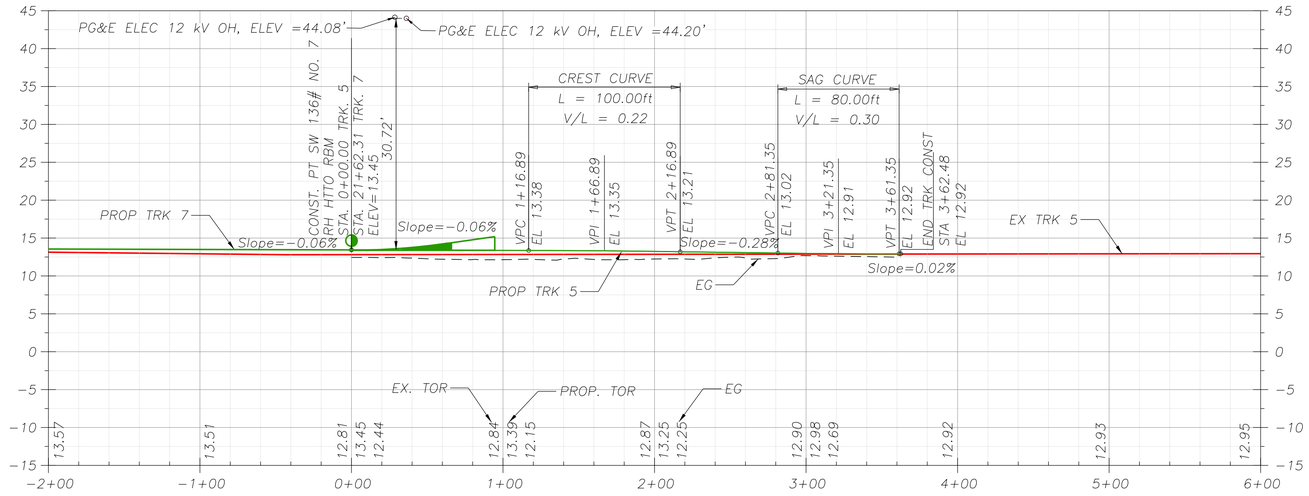
HammadSaidiq
8/17/2026 - 4:08:51 PM - pw://JMA-PW-APP.jmadvit.com:JMA-PW/Documents/Projects/21273-HDR/PoS/Rail/Sheets/LLDTCT-300

DESIGN NOTES:

1. THE TRACK LAYOUT IS BASED ON 60' DISTANCE BETWEEN REVERSE CURVES.



TRACK 5_W PROFILE, SEE SHEET CT-201 FOR PLAN VIEW



TRACK 5_E PROFILE, SEE SHEET CT-202 FOR PLAN VIEW

VERTICAL SCALE 1" = 10'
0 10 20 30 FEET

HORIZONTAL SCALE 1" = 50'
0 50 100 150 FEET

HammadSaidiq
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LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

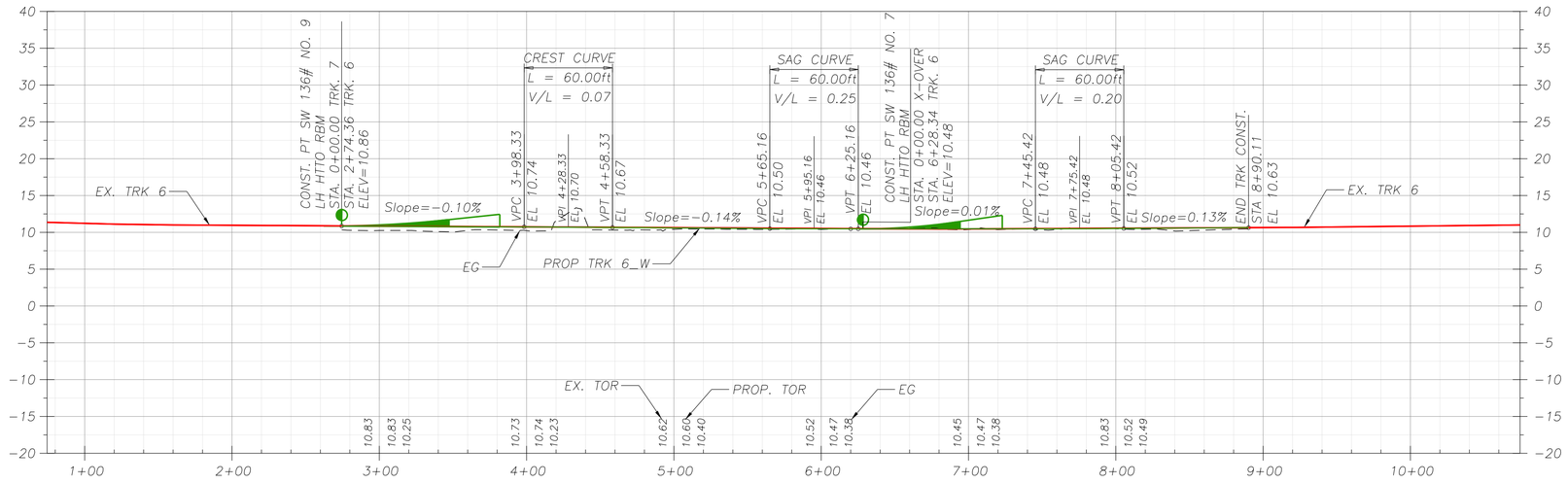
SHEET TITLE: TRACK 5 PROFILE

PROJ NO: 21273	SHEET NO. CT-302
SCALE: AS NOTED	SHEET 32 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

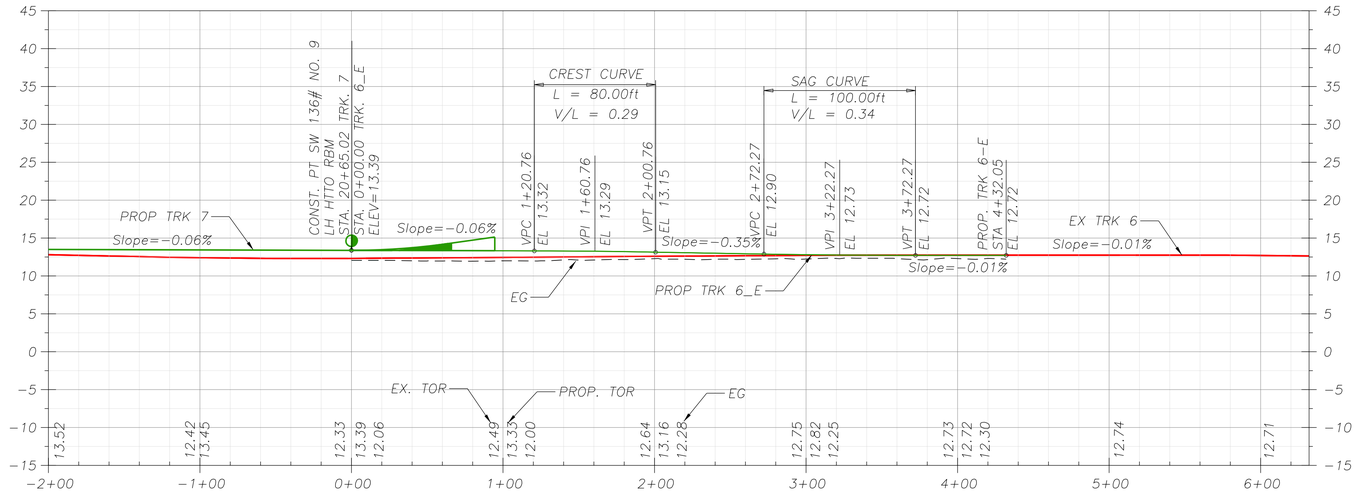
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DESIGN NOTES:

1. THE TRACK LAYOUT IS BASED ON 60' DISTANCE BETWEEN REVERSE CURVES.



TRACK 6_W PROFILE, SEE SHEET CT-201 AND CT-104 FOR PLAN VIEW



TRACK 6_E PROFILE, SEE SHEET CT-202 FOR PLAN VIEW

0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:

TRACK 6 PROFILE

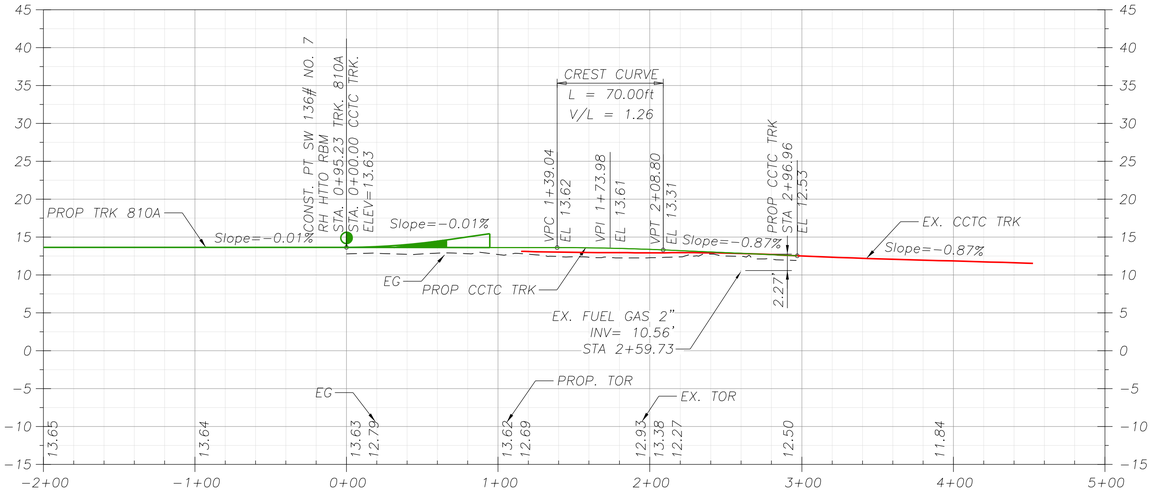
PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
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SHEET NO.
CT-303
SHEET 33 of 94

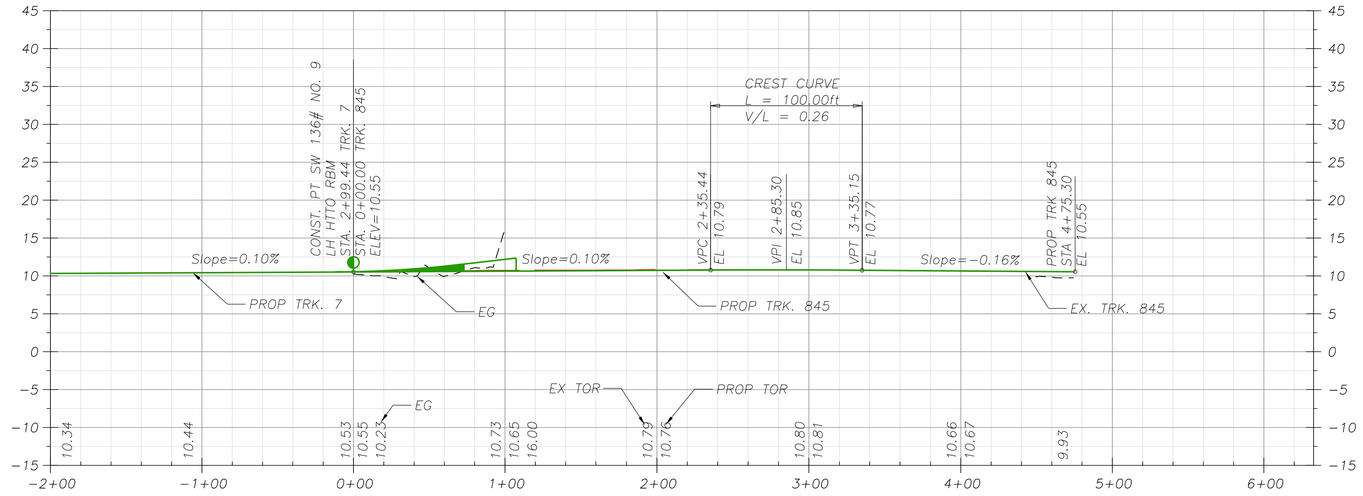
IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

DESIGN NOTES:

1. THE TRACK LAYOUT IS BASED ON 60' DISTANCE BETWEEN REVERSE CURVES.



CCTC TRACK PROFILE, SEE SHEET CT-205 FOR PLAN VIEW



TRACK 845 PROFILE, SEE SHEET CT-201 FOR PLAN VIEW

0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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315 W FYFFE STREET
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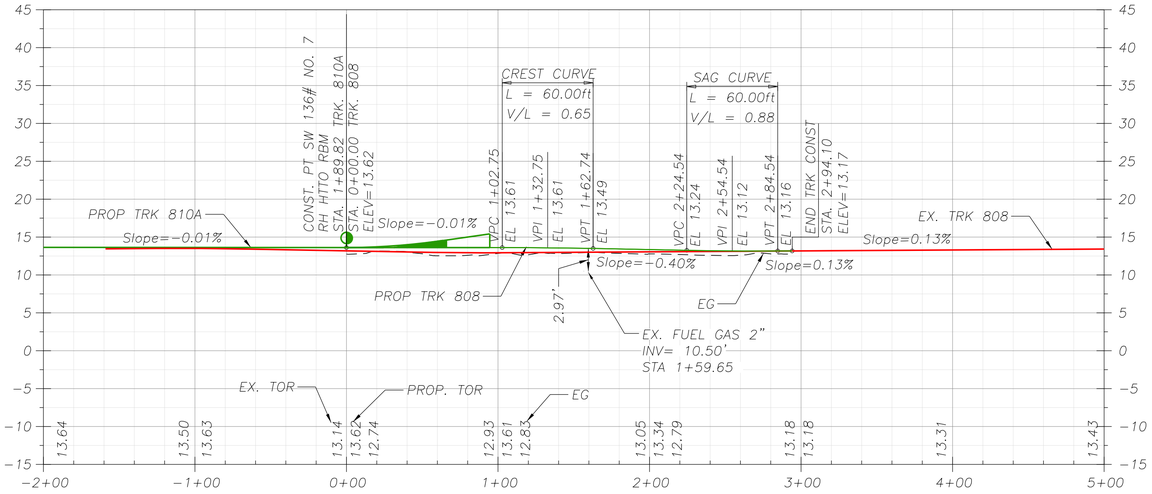
SHEET TITLE:
TRACK CCTC & 845 PROFILE

PROJ NO: 21273	SHEET NO. CT-304
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 34 of 94

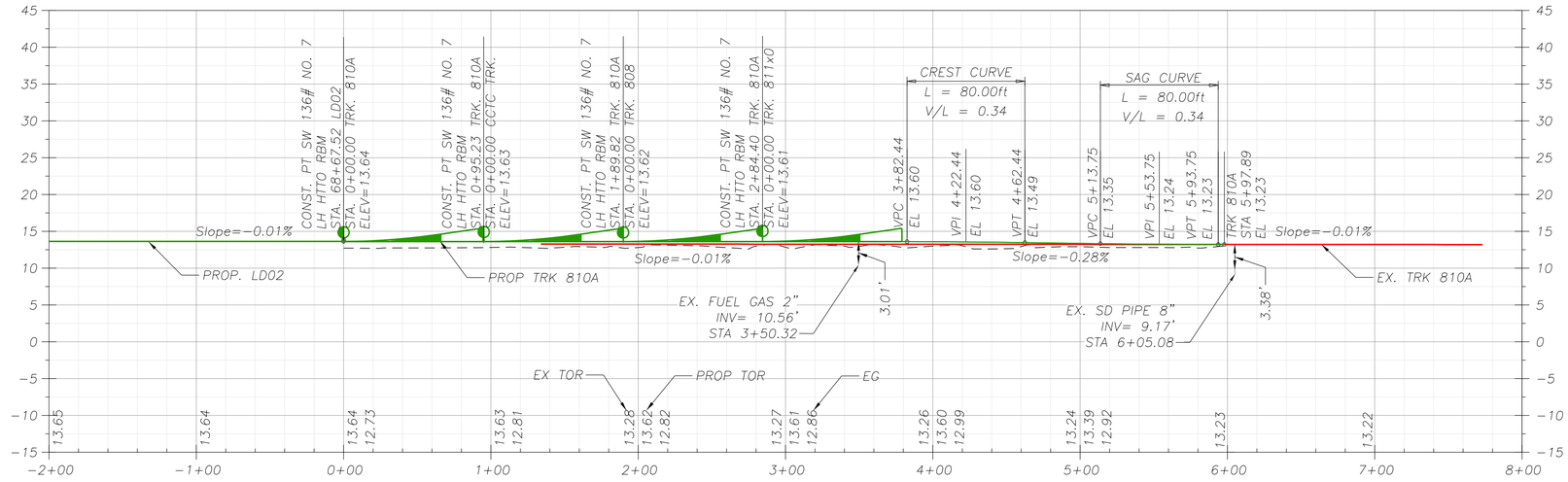
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DESIGN NOTES:

1. THE TRACK LAYOUT IS BASED ON 60' DISTANCE BETWEEN REVERSE CURVES.



TRACK 808 PROFILE, SEE SHEET CT-205 FOR PLAN VIEW



TRACK 810A PROFILE, SEE SHEET CT-205 FOR PLAN VIEW

0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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SHEET TITLE:

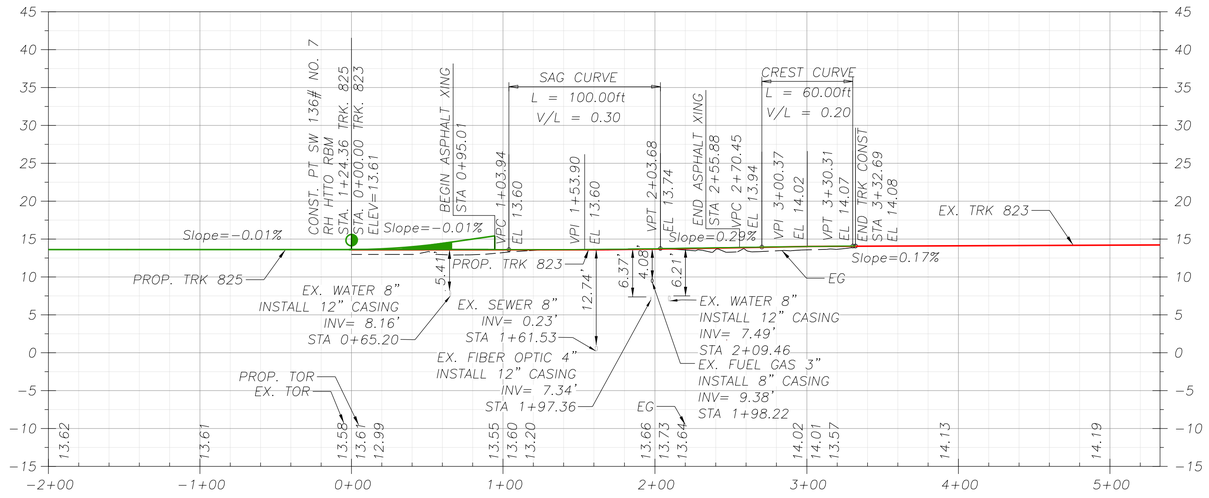
TRACK 808 & 810A PROFILE

PROJ NO: 21273	SHEET NO. CT-305
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 35 of 94
DESIGNED BY: AG	

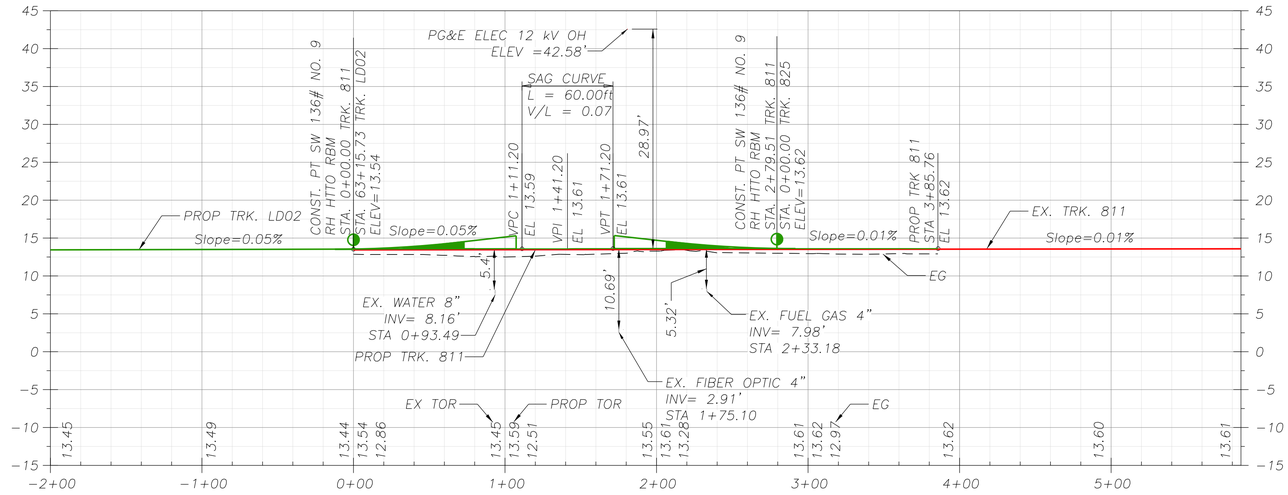
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DESIGN NOTES:

1. THE TRACK LAYOUT IS BASED ON 60' DISTANCE BETWEEN REVERSE CURVES.



TRACK 823 PROFILE, SEE SHEET CT-207 FOR PLAN VIEW



TRACK 811 PROFILE, SEE SHEET CT-111 FOR PLAN VIEW

0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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SHEET TITLE:

TRACK 823 & 811 PROFILE

PROJ NO: 21273
SCALE: AS NOTED
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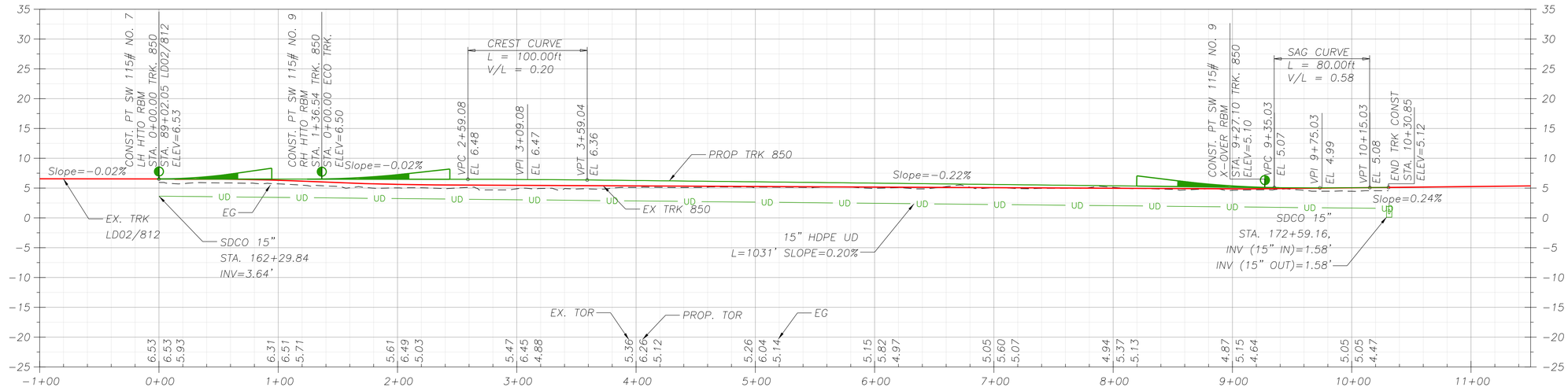
SHEET NO.
CT-306
SHEET 36 of 94

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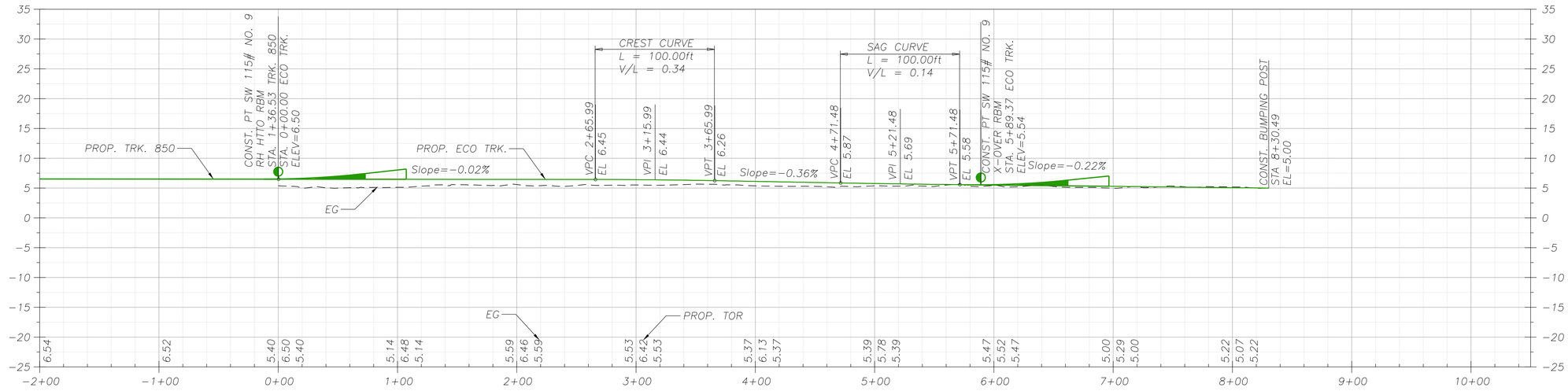
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DESIGN NOTES:

1. THE TRACK LAYOUT IS BASED ON 60' DISTANCE BETWEEN REVERSE CURVES.



TRACK 850 PROFILE, SEE SHEET CT-113 AND CT-114 FOR PLAN VIEW



ECO ENERGY TRACK PROFILE, SEE SHEET CT-113 AND CT-114 FOR PLAN VIEW

VERTICAL SCALE 1" = 10'
0 10 20 30 FEET

HORIZONTAL SCALE 1" = 50'
0 50 100 150 FEET

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SHEET TITLE:
TRACK 850 AND ECO PROFILE

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

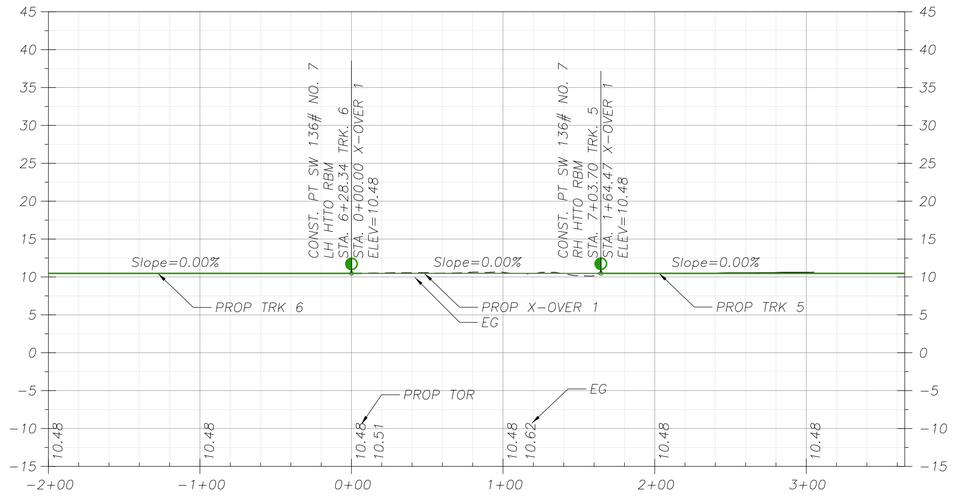
SHEET NO. CT-307
SHEET 37 of 94

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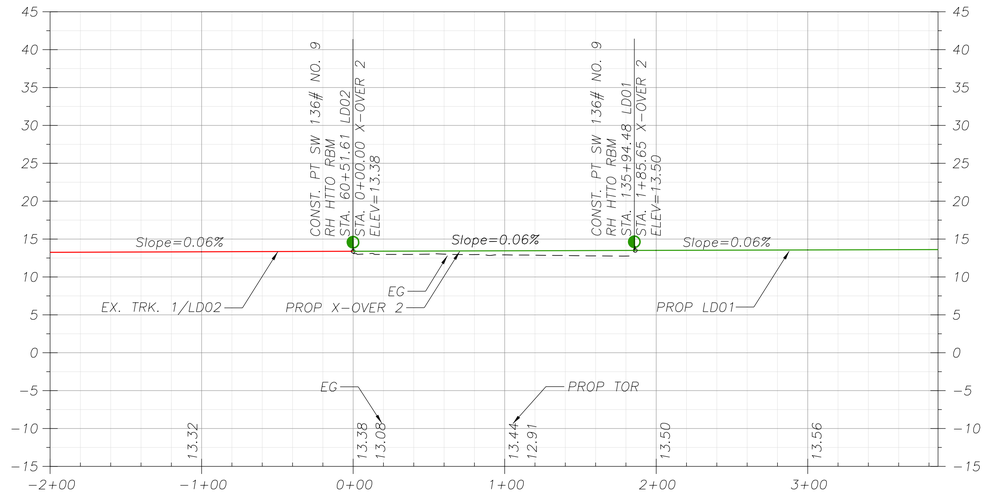
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8/29/2026 - 3:28:59 PM - pw://JMA-PW-APP.jmadvil.com:JMA-PW/Documents/Projects/21273-HDR/ps/Rail/Sheets/LLDTCT-300

DESIGN NOTES:

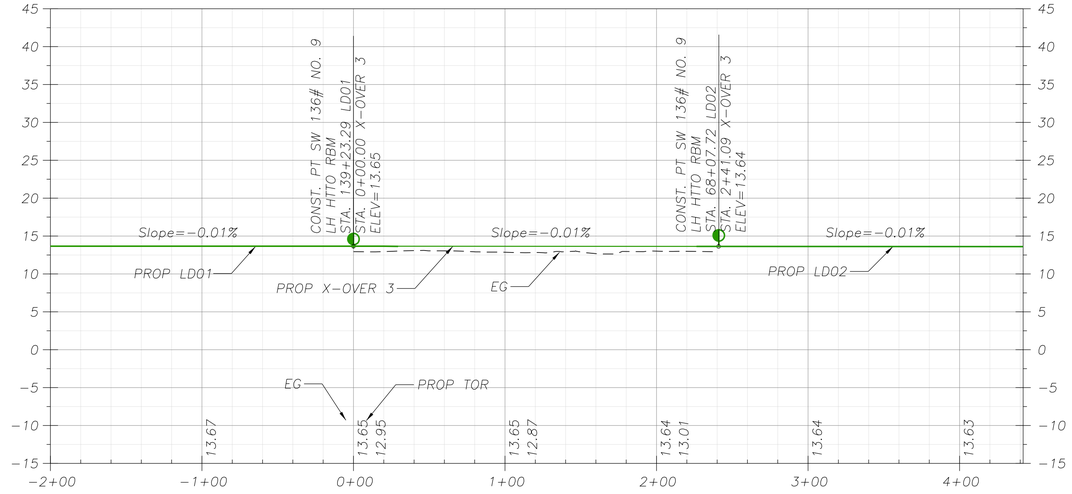
1. THE TRACK LAYOUT IS BASED ON 60' DISTANCE BETWEEN REVERSE CURVES.



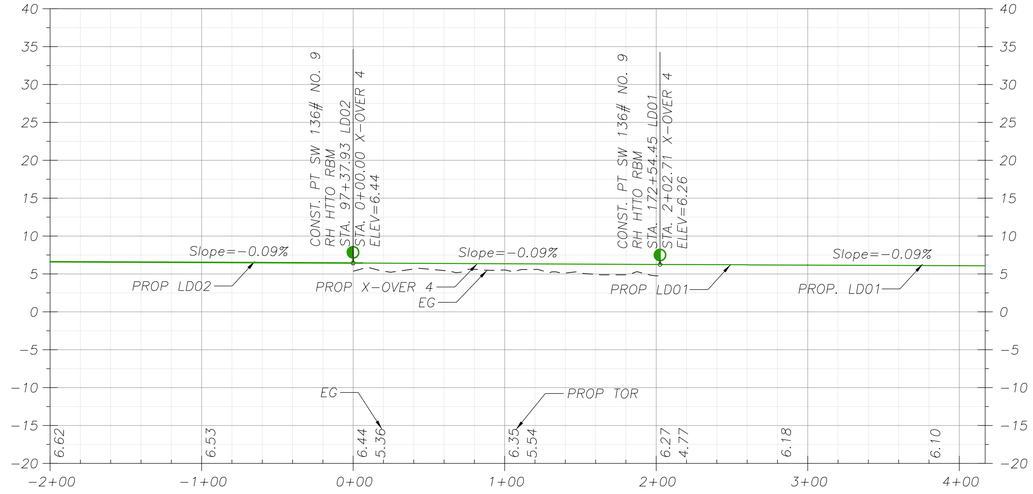
X-OVER 1 PROFILE, SEE SHEET CT-201 FOR PLAN VIEW



X-OVER 2 PROFILE, SEE SHEET CT-111 FOR PLAN VIEW



X-OVER 3 PROFILE, SEE SHEET CT-111 FOR PLAN VIEW



X-OVER 4 PROFILE, SEE SHEET CT-114 FOR PLAN VIEW

0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:
X-OVER PROFILE

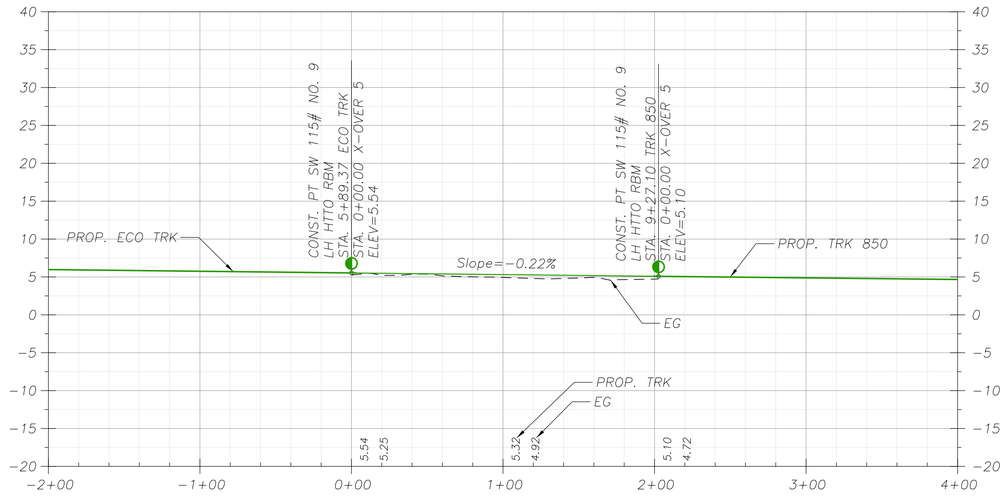
PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO.
CT-308
SHEET 38 of 94

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DESIGN NOTES:

1. THE TRACK LAYOUT IS BASED ON 60' DISTANCE BETWEEN REVERSE CURVES.



X-OVER 5 PROFILE, SEE SHEET CT-114 FOR PLAN VIEW

0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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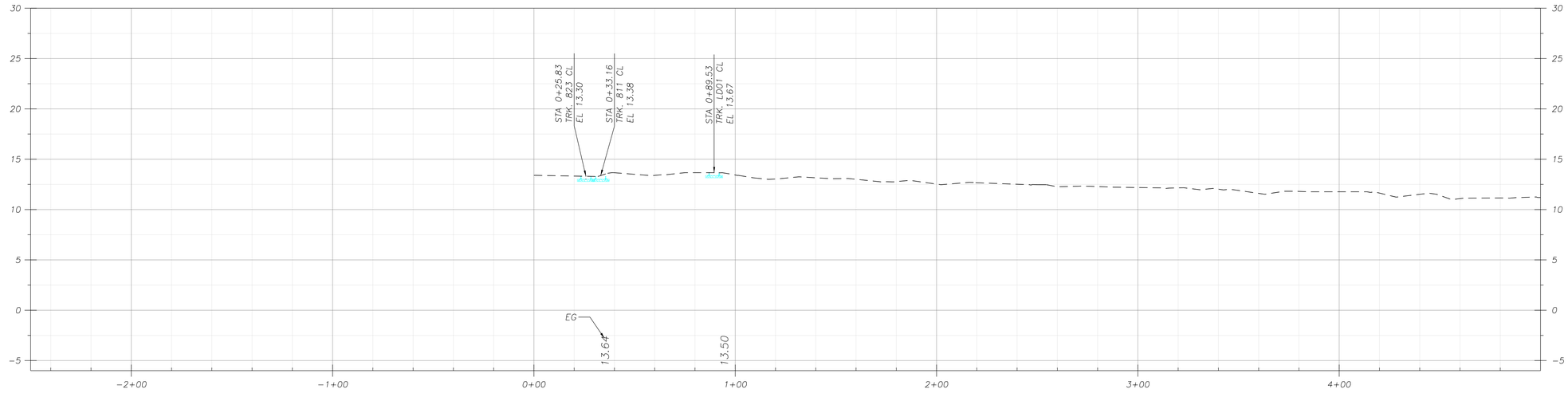
SHEET TITLE:

X-OVER PROFILE

PROJ NO: 21273	SHEET NO.
SCALE: AS NOTED	CT-309
DATE: 08/31/2026	SHEET 39 of 94
DESIGNED BY: AG	

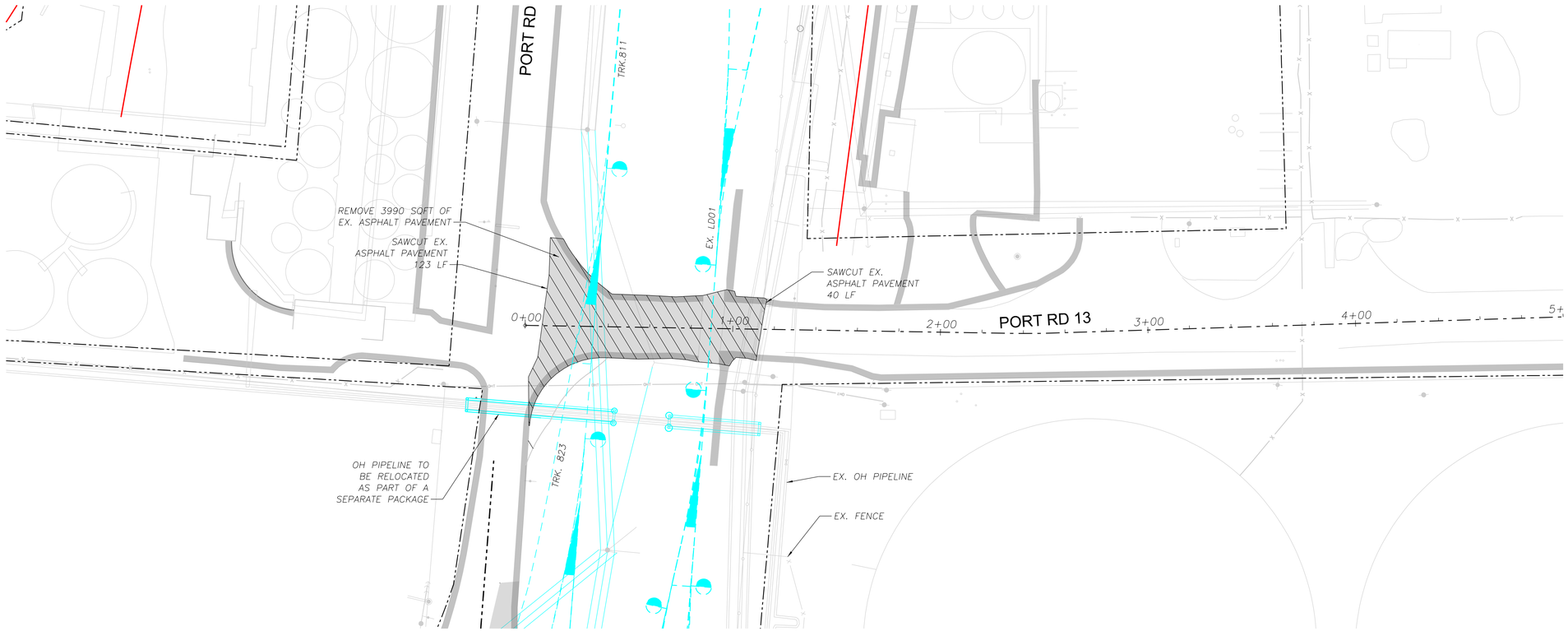
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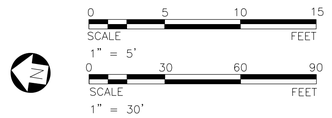
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DESIGN NOTES:

1. REFER TO LAYOUT SHEETS FOR CROSSING IMPROVEMENTS.
2. ALL EXISTING SIGNS AND STRIPING TO REMAIN UNLESS OTHERWISE NOTED.
3. ROAD CLOSURE TO BE DONE AS PER THE LATEST CAMUTCD.





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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

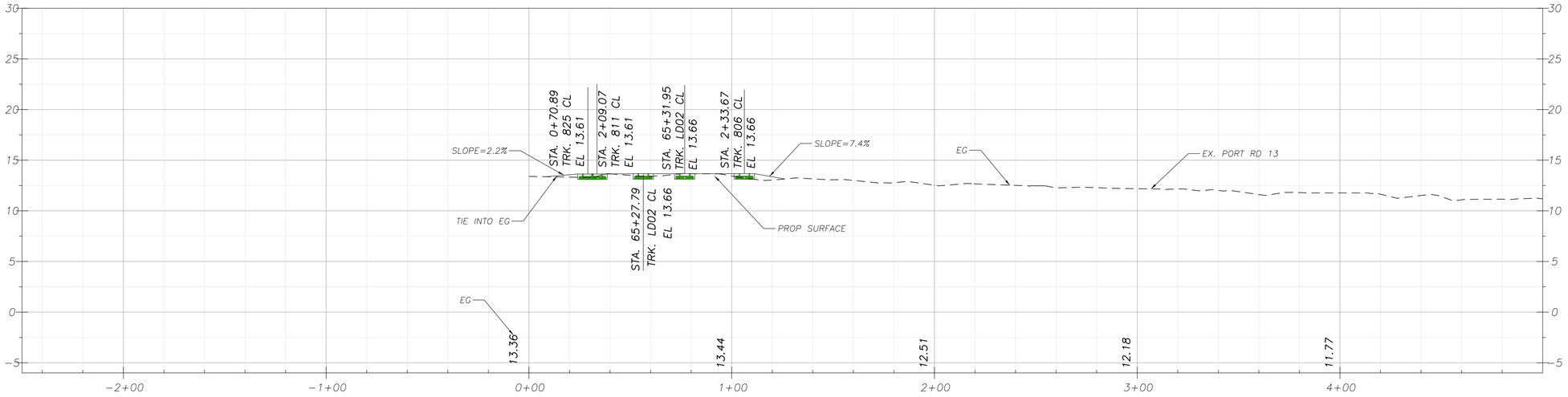
315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
PORT RD 13
AT-GRADE CROSSING DEMOLITION

PROJ NO: 21273	SHEET NO. CS-201
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 40 of 94
DESIGNED BY: AG	

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSaidi
8/31/2026 - 6:05:02 PM - pw://JMA-PW-APP.jmadvkl.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLDT/CS-200 At-Grade Crossing Demo



DESIGN NOTES:

1. ALL SIGNAGE AND STRIPING WORK SHALL COMPLY WITH THE REQUIREMENT OF CAMUTCD REV 6.
2. CONTRACTOR TO REMOVE ALL CONFLICTING STRIPING.
3. ALL EXISTING SIGNS TO REMAIN UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL COORDINATE CUSTOM CONC. PANELS WITH MANUFACTURER AND MEET COMPLIANCE WITH UPRR STANDARD AND SPECIFICATIONS. SEE SHEET CS−203 & CS−204 FOR FURHTER DETAILS.
5. UTILITIES TO BE PIP SEE SHEET CT−101 & CT−111 FOR UTILITY INFORMATION.

PROP. SIGNS:

W10−1

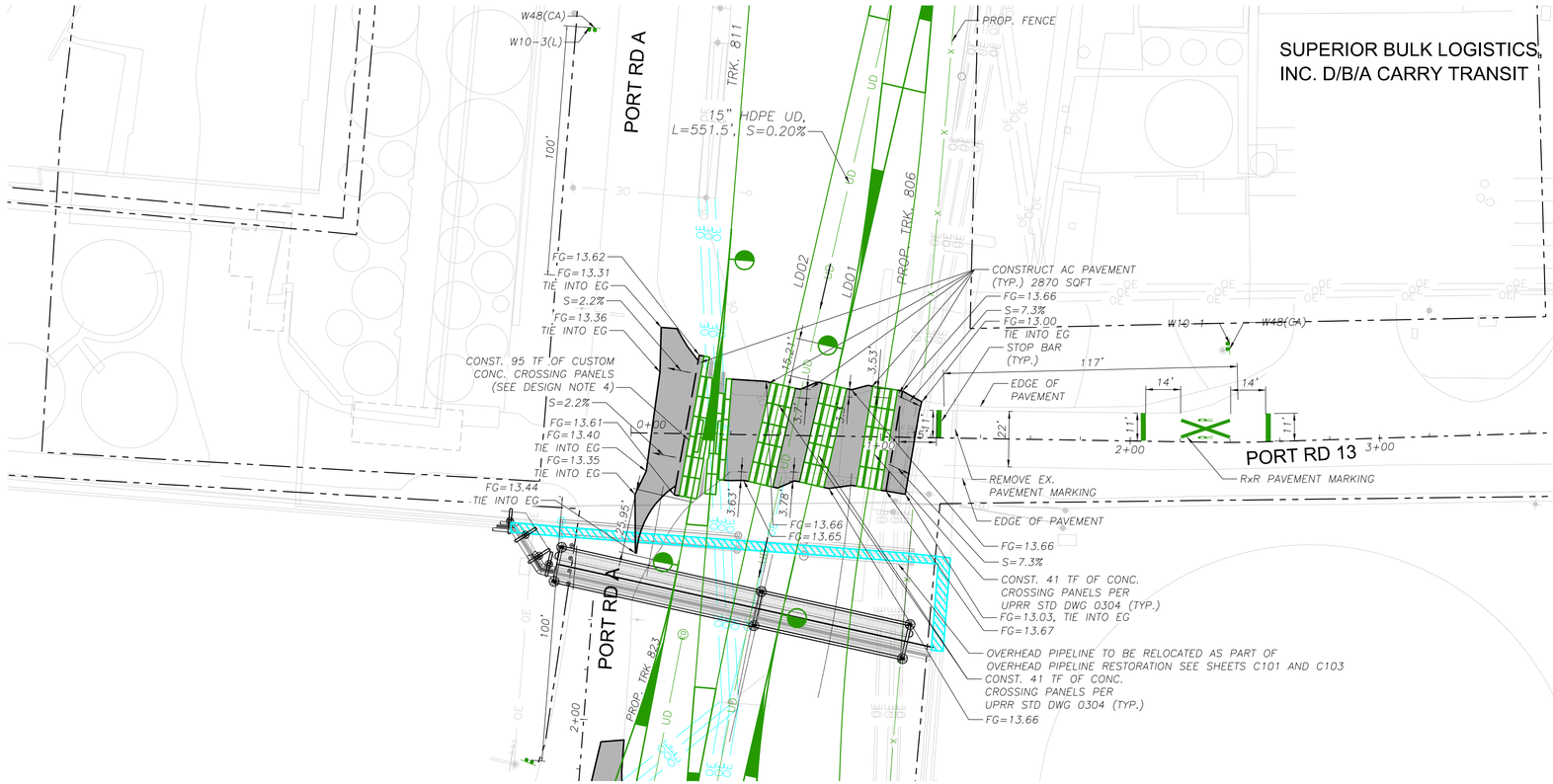


W10−3



W48(CA)





0 10 20 30
VERTICAL SCALE FEET
1" = 5'

0 30 60 90
HORIZONTAL SCALE FEET
1" = 30'

SUPERIOR BULK LOGISTICS, INC. D/B/A CARRY TRANSIT

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	JMA CIVIL 5250 Claremont Ave, Suite 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	HDR 2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com

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PORT OF STOCKTON
RAIL IMPROVEMENTS

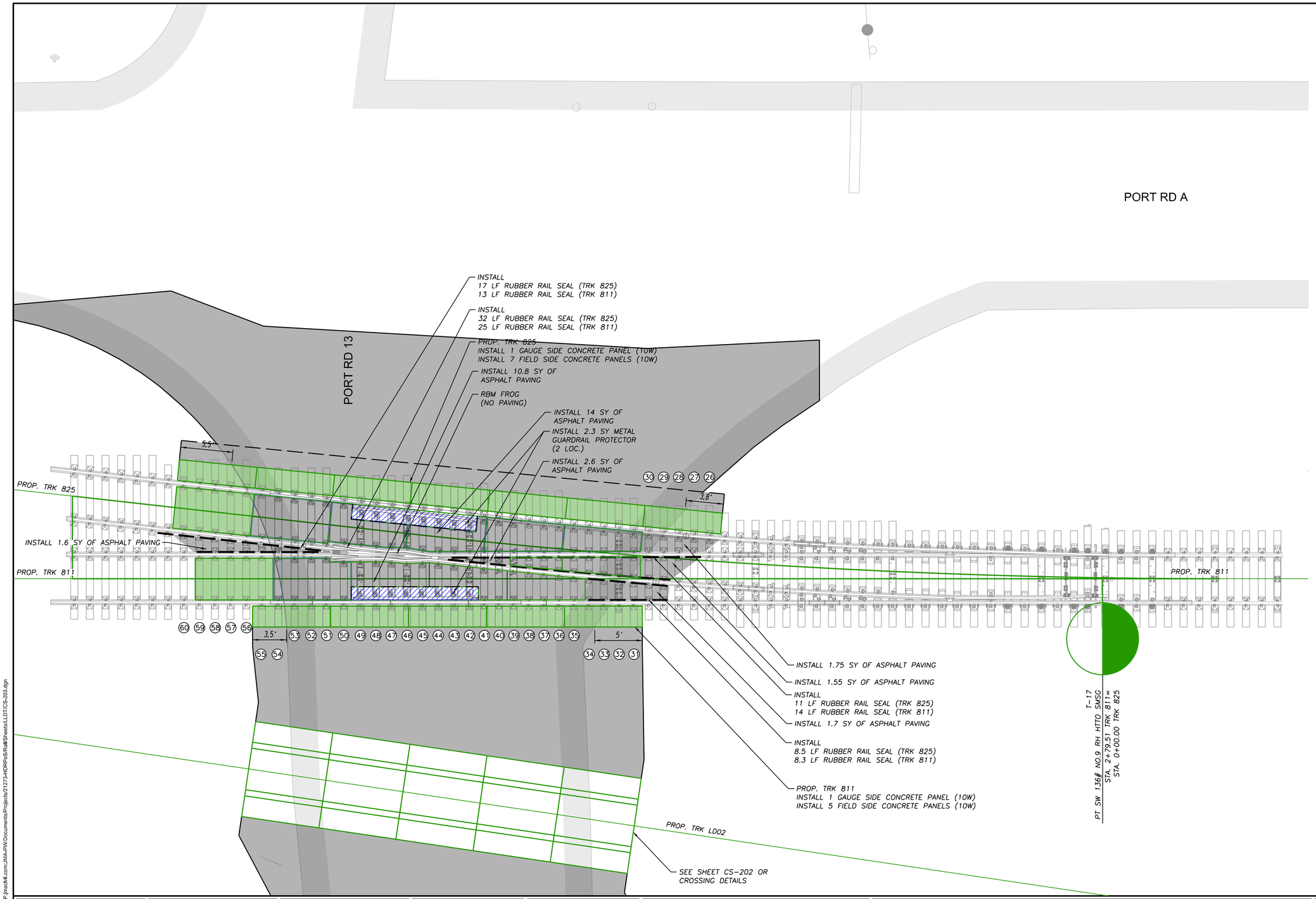
315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
PORT RD 13
LAYOUT AND GRADING SHEET

PROJ NO: 21273	SHEET NO. CS-202
SCALE: AS NOTED	SHEET 41 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

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8/31/2026 - 8:01:53 PM - pw://JMA-PW-APP.jmadvil.com:JMA-PW/Documents/Projects/21273-HDR/Civil/Rail/Sheets/LLDT/CS-200 At-Grade Crossing Layout



DESIGN NOTES:

1. SEE CS SERIES SHEETS FOR OVERALL INFORMATION ON THE CROSSING LAYOUTS.
2. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
3. STANDARD CROSSING PANELS SHALL BE PRECAST CONCRETE PANELS FOR 10'-0" LONG WOOD TIES (10W) PER UPRR STD DWG # 0322.
4. CUSTOM PANELS SHOWN ARE APPROXIMATE. FINAL DESIGN AND INSTALLATION WILL BE PERFORMED BY MANUFACTURER BASED ON FIELD MEASUREMENTS AFTER TURNOUT INSTALLATION.
5. CUSTOM SWITCH TIE LENGTHS ARE NOTED ON THIS SHEET. ALL OTHER SWITCH TIES AND TURNOUT COMPONENTS SHALL BE PER UPRR STD. DWG. # 5009A.

LEGEND

- PROPOSED TRACK
- CONCRETE PANELS (STANDARD)
- PROPOSED ASPHALT PAVING

CUSTOM WOOD TIE TABLE

TIE #S (PER DWG 5009A)	QTY. (LENGTH)
26 TO 30	5 (12'-0")
31 TO 35	5 (13'-6")
36 TO 40	5 (14'-3")
41 TO 45	5 (15'-0")
46 TO 50	5 (16'-0")
51 TO 60	10 (16'-9")

N

0 5 10 15
SCALE FEET
1" = 5'

HammadSadiq
8/31/2026 - 6:08:12 PM - pw://JMA-PW-APP.jmacivil.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD7/CS-203.dgn

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CIVIL
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REVISIONS:

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

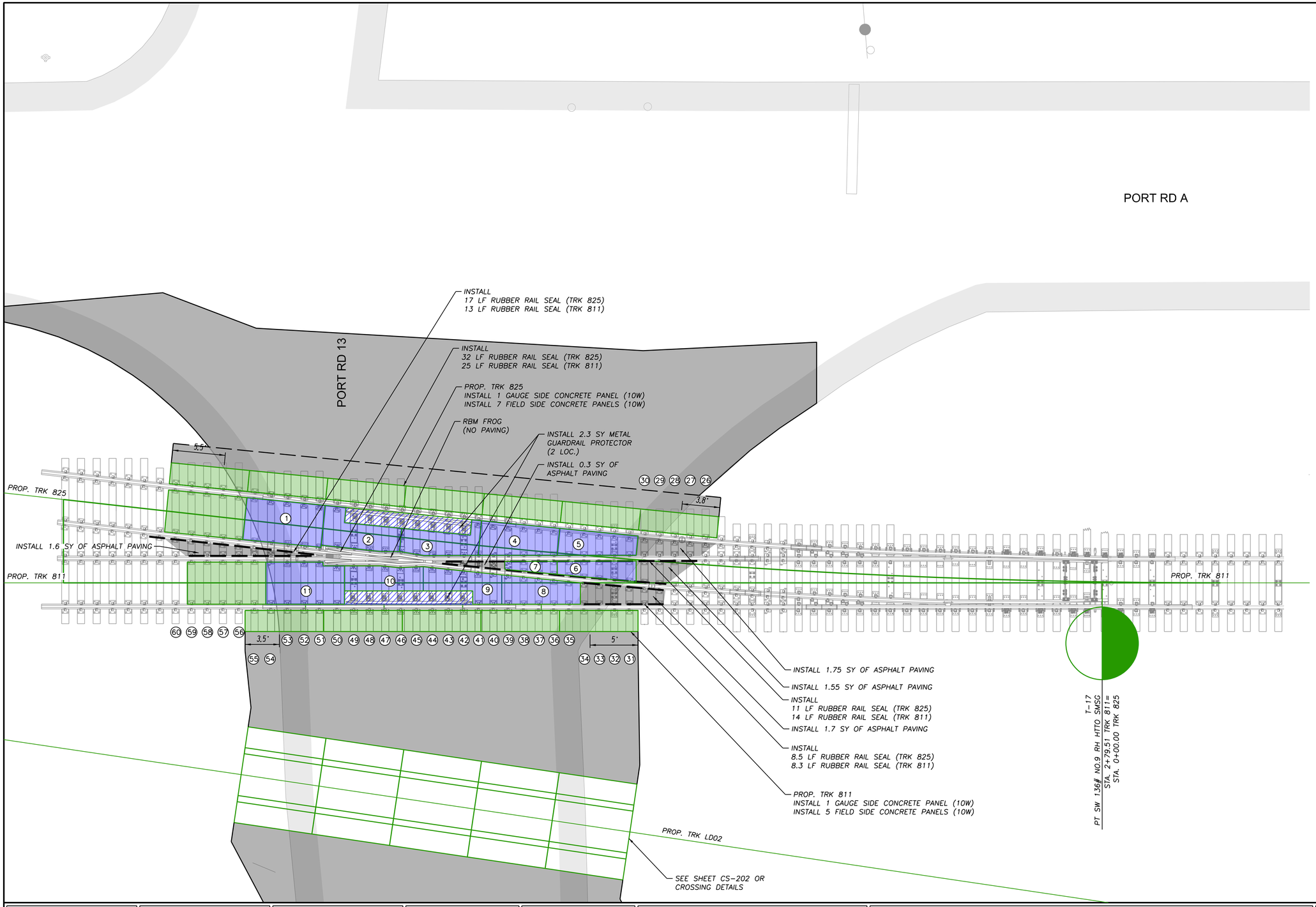
315 WEST FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:
PORT RD 13
GRADE CROSSING DETAIL
TEMPORARY CONDITION

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: HS

SHEET NO.
CS-203
SHEET 42 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING



DESIGN NOTES:

1. SEE CS SERIES SHEETS FOR OVERALL INFORMATION ON THE CROSSING LAYOUTS.
2. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
3. STANDARD CROSSING PANELS SHALL BE PRECAST CONCRETE PANELS FOR 10'-0" LONG WOOD TIES (10W) PER UPRR STD DWG # 0322.
4. CUSTOM PANELS SHOWN ARE APPROXIMATE. FINAL DESIGN AND INSTALLATION WILL BE PERFORMED BY MANUFACTURER BASED ON FIELD MEASUREMENTS AFTER TURNOUT INSTALLATION.
5. CUSTOM SWITCH TIE LENGTHS ARE NOTED ON THIS SHEET. ALL OTHER SWITCH TIES AND TURNOUT COMPONENTS SHALL BE PER UPRR STD. DWG. # 5009A.

LEGEND

- PROPOSED TRACK
- CONCRETE PANELS (STANDARD)
- PROPOSED ASPHALT PAVING
- CONCRETE PANELS (CUSTOM)

CUSTOM WOOD TIE TABLE

TIE #S (PER DWG 5009A)	QTY. (LENGTH)
26 TO 30	5 (12'-0")
31 TO 35	5 (13'-6")
36 TO 40	5 (14'-3")
41 TO 45	5 (15'-0")
46 TO 50	5 (16'-0")
51 TO 60	10 (16'-9")

CUSTOM PANEL TABLE

CUSTOM PANEL #	AREA (SQ. YD.)
1	4.0
2	2.7
3	2.3
4	2.9
5	2.2
6	1.6
7	0.7
8	2.4
9	2.3
10	2.3
11	4.0

N

0 5 10 15
SCALE FEET
1" = 5'

HammadSadiq
8/31/2026 - 6:10:21 PM - pw://JMA-PW-APP.jmadkfl.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD7/CS-204.dgn

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

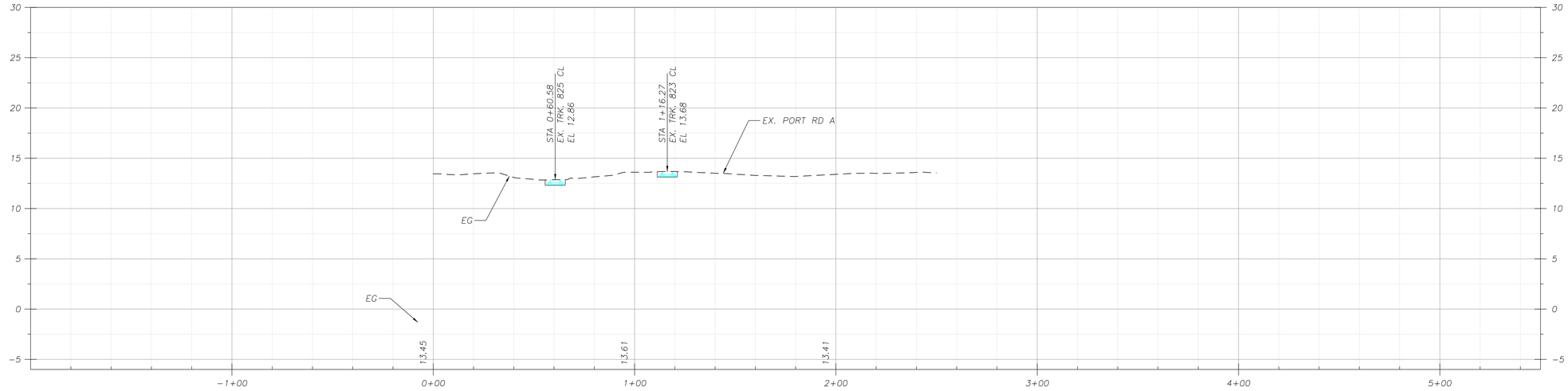
315 WEST FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:
PORT RD 13
GRADE CROSSING DETAIL
PERMANENT CONDITION

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: HS

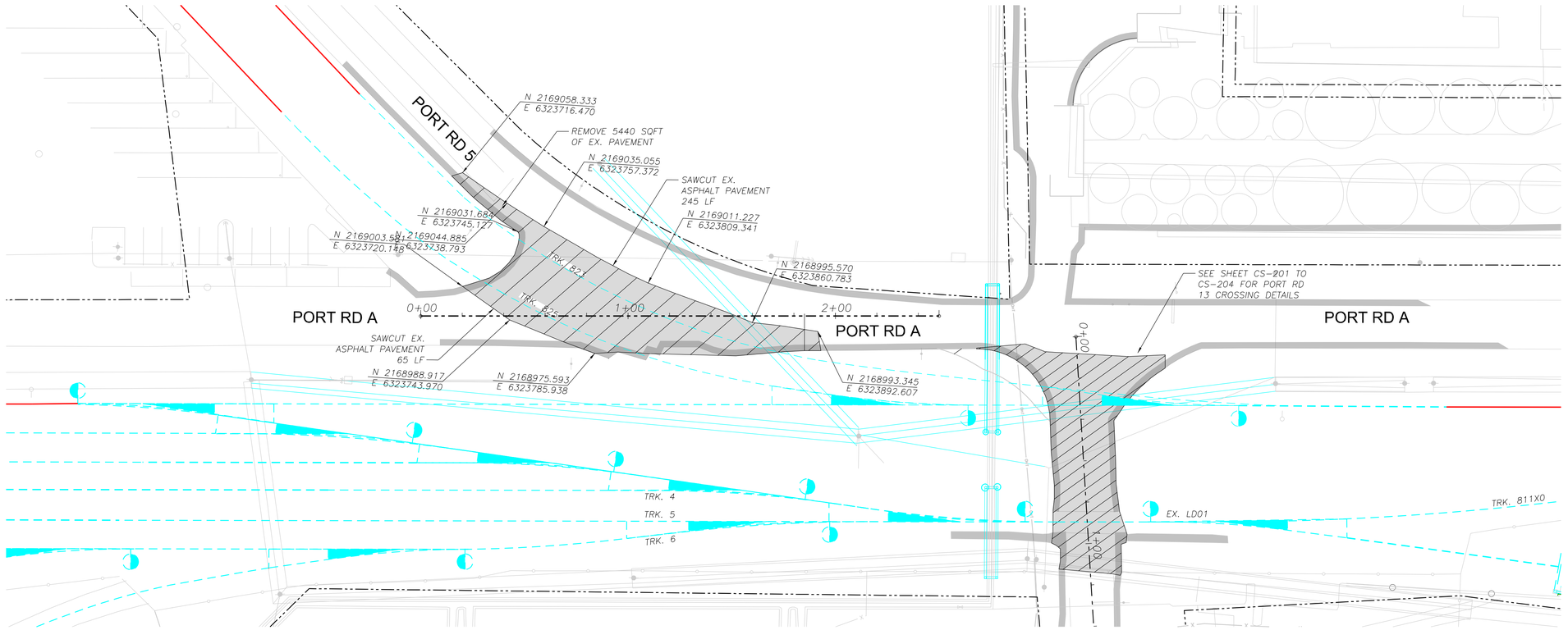
SHEET NO.
CS-204
SHEET 43 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING



DESIGN NOTES:

1. REFER TO LAYOUT SHEETS FOR CROSSING IMPROVEMENTS.
2. ALL EXISTING SIGNS AND STRIPING TO REMAIN UNLESS OTHERWISE NOTED.
3. ROAD CLOSURE TO BE DONE AS PER THE LATEST CAMUTCD.



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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

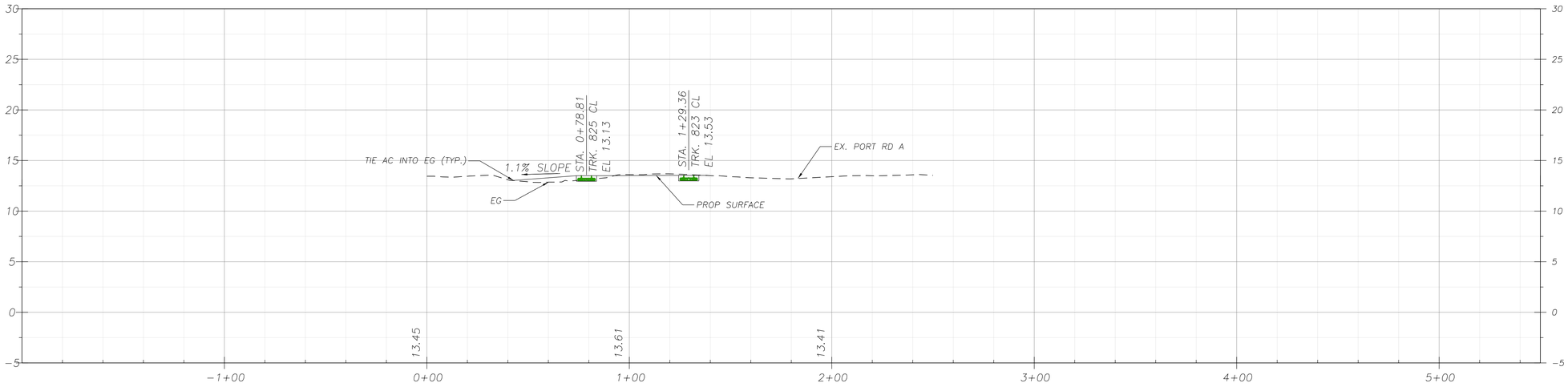
SHEET TITLE:

PORT RD A
AT-GRADE CROSSING DEMOLITION

PROJ NO: 21273	SHEET NO.
SCALE: AS NOTED	CS-205
DATE: 08/31/2026	SHEET 44 of 94
DESIGNED BY: AG	

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8/31/2026 - 6:06:08 PM - pw://JMA-PW-APP.jmadrive.com:JMA-PW/Documents/Projects/21273-HDR/Ps/Rail/Sheets/LLDT/CS-200 AtGrade Crossing Demo



DESIGN NOTES:

1. ALL SIGNAGE AND STRIPING WORK SHALL COMPLY WITH THE REQUIREMENT OF CAMUTCD REV 6.
2. CONTRACTOR TO REMOVE ALL CONFLICTING STRIPING.
3. ALL EXISTING SIGNS TO REMAIN UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL FURNISH AND INSTALL RUBBER RAIL SEAL CROSSING SECTIONS BY TRACK FEET IN 8'−0" INCREMENTS.
5. UTILITIES TO BE PIP SEE SHEET CT−101 & CT−111 FOR UTILITY INFORMATION.

PROP SIGNS:

W10−1

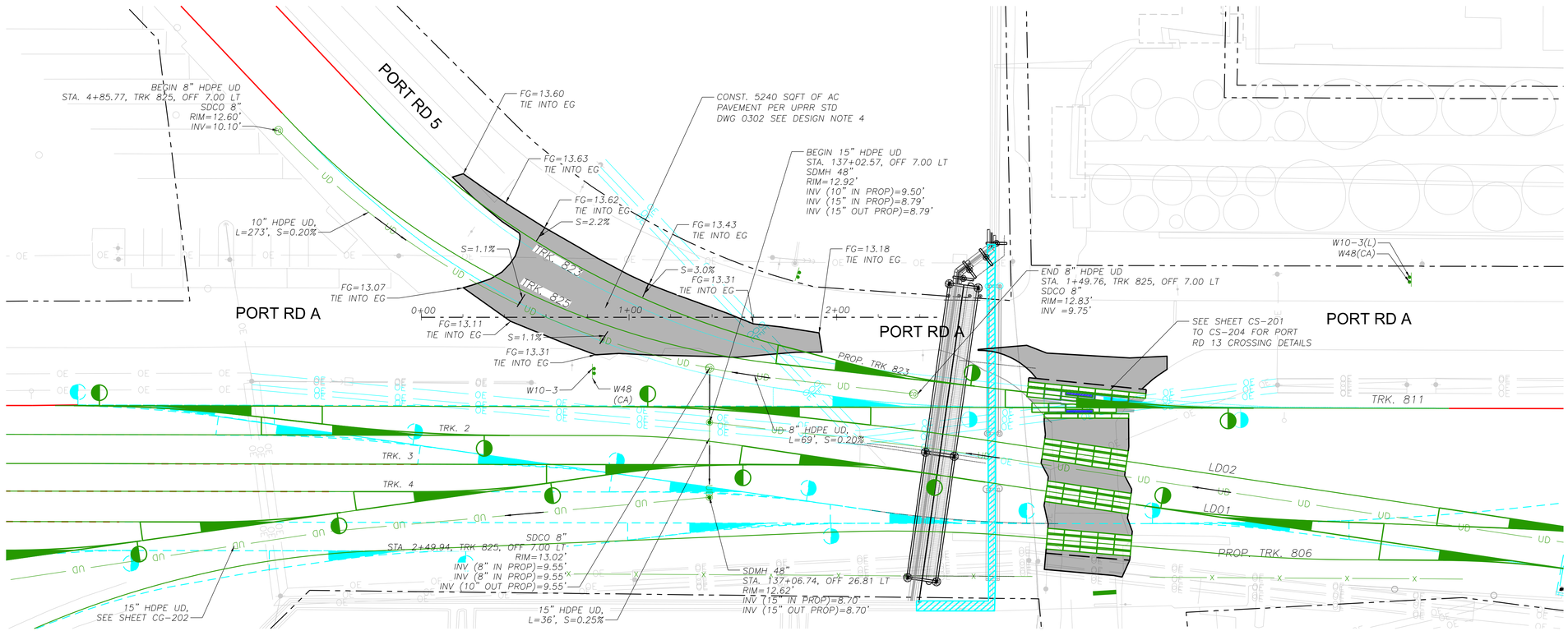


W10−3



W48(CA)





N

0 10 20 30
VERTICAL SCALE FEET
1" = 5'

0 30 60 90
HORIZONTAL SCALE FEET
1" = 30'

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PORT OF STOCKTON
RAIL IMPROVEMENTS

315 W FYFFE STREET
STOCKTON, CA 95230

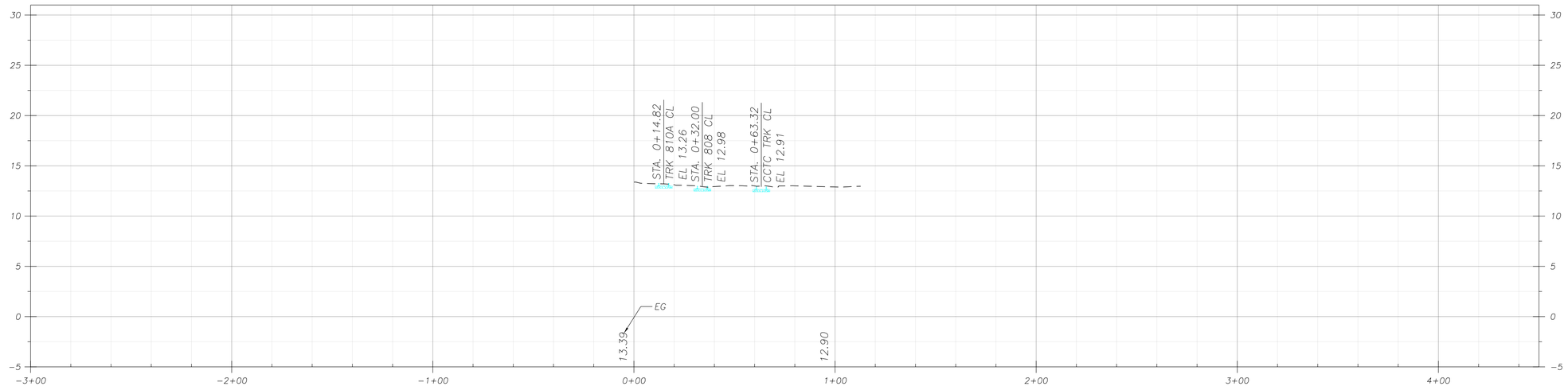
SHEET TITLE:

PORT RD A
LAYOUT AND GRADING SHEET

PROJ NO: 21273	SHEET NO.
SCALE: AS NOTED	CS-206
DATE: 08/31/2026	SHEET 45 of 94
DESIGNED BY: AG	

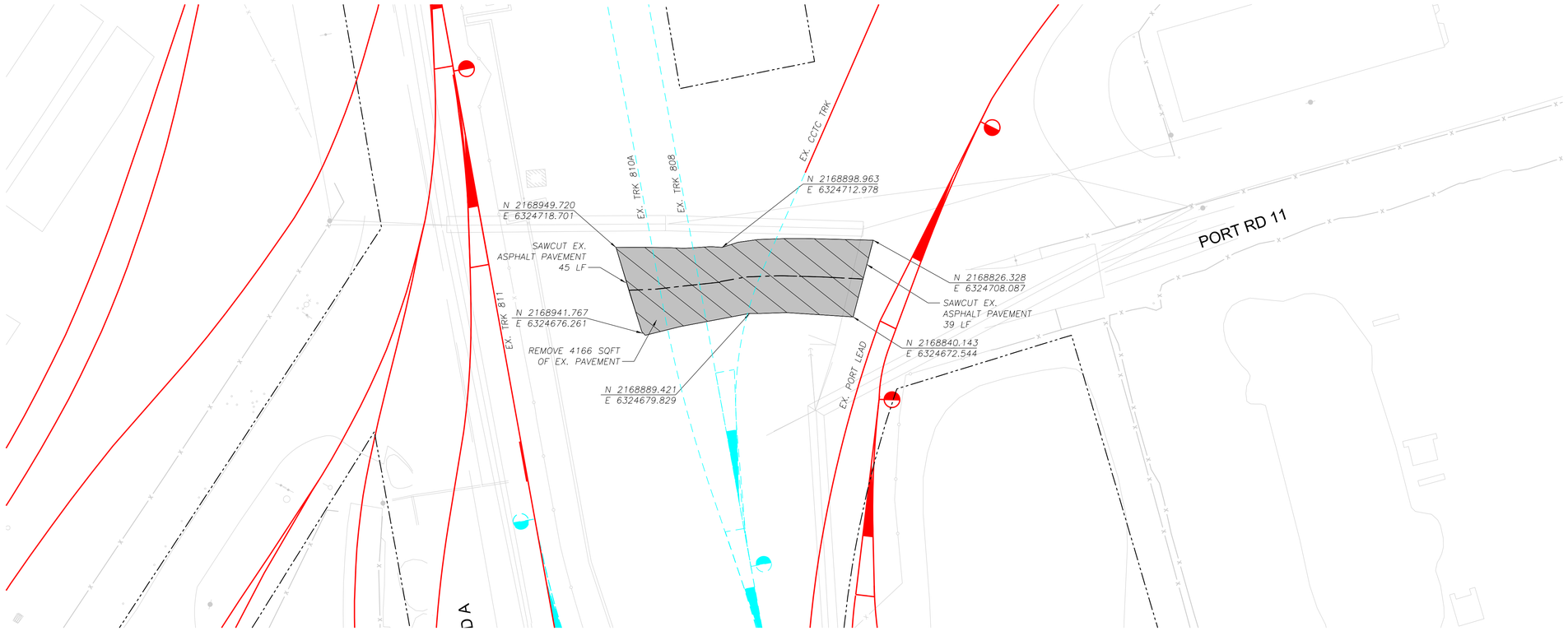
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8/31/2026 - 6:01:40 PM - pw://JMA-PW-APP.jmadvit.com:JMA-PW/Documents/Projects/21273-HDRPodS/RailSheets/LLDT/CS-200 At-Grade Crossing Layout



DESIGN NOTES:

1. ALL SINAGE AND STRIPING WORK SHALL COMPLY WITH THE REQUIREMENT OF CAMUTCD REV 6.
2. CONTRACTOR TO REMOVE ALL CONFLICTING STRIPING.
3. ALL EXISTING SIGNS TO REMAIN UNLESS OTHERWISE NOTED.



SCALE 1" = 5'
SCALE 1" = 30'

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

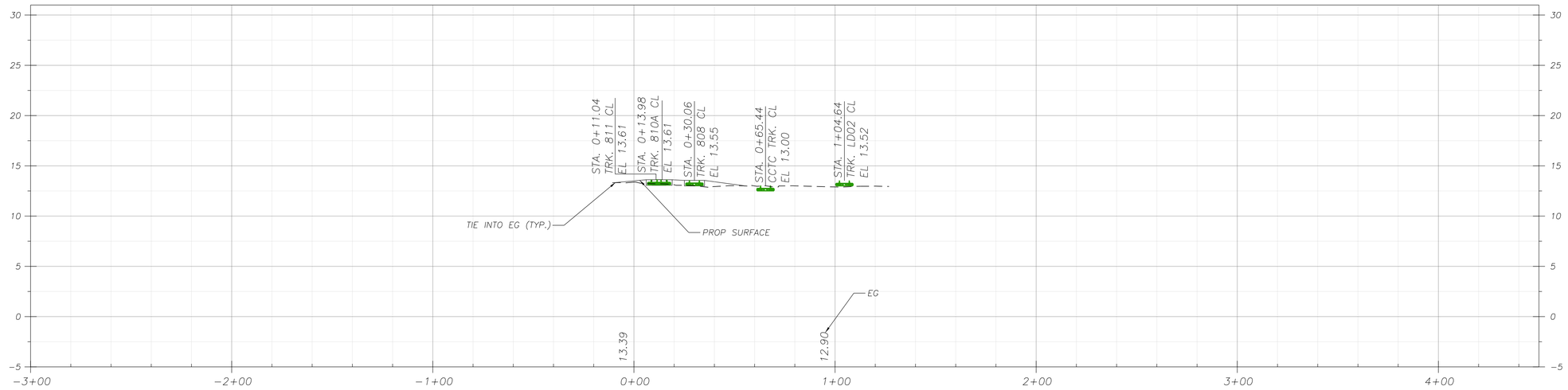
315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
CCTC AREA
AT-GRADE CROSSING DEMOLITION

PROJ NO: 21273	SHEET NO. CS-207
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 46 of 94
DESIGNED BY: AG	

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DESIGN NOTES:

1. ALL SINAGE AND STRIPING WORK SHALL COMPLY WITH THE REQUIREMENT OF CAMUTCD REV 6.
2. CONTRACTOR TO REMOVE ALL CONFLICTING STRIPING.
3. ALL EXISTING SIGNS TO REMAIN UNLESS OTHERWISE NOTED.

DESIGN NOTES:

W10−1

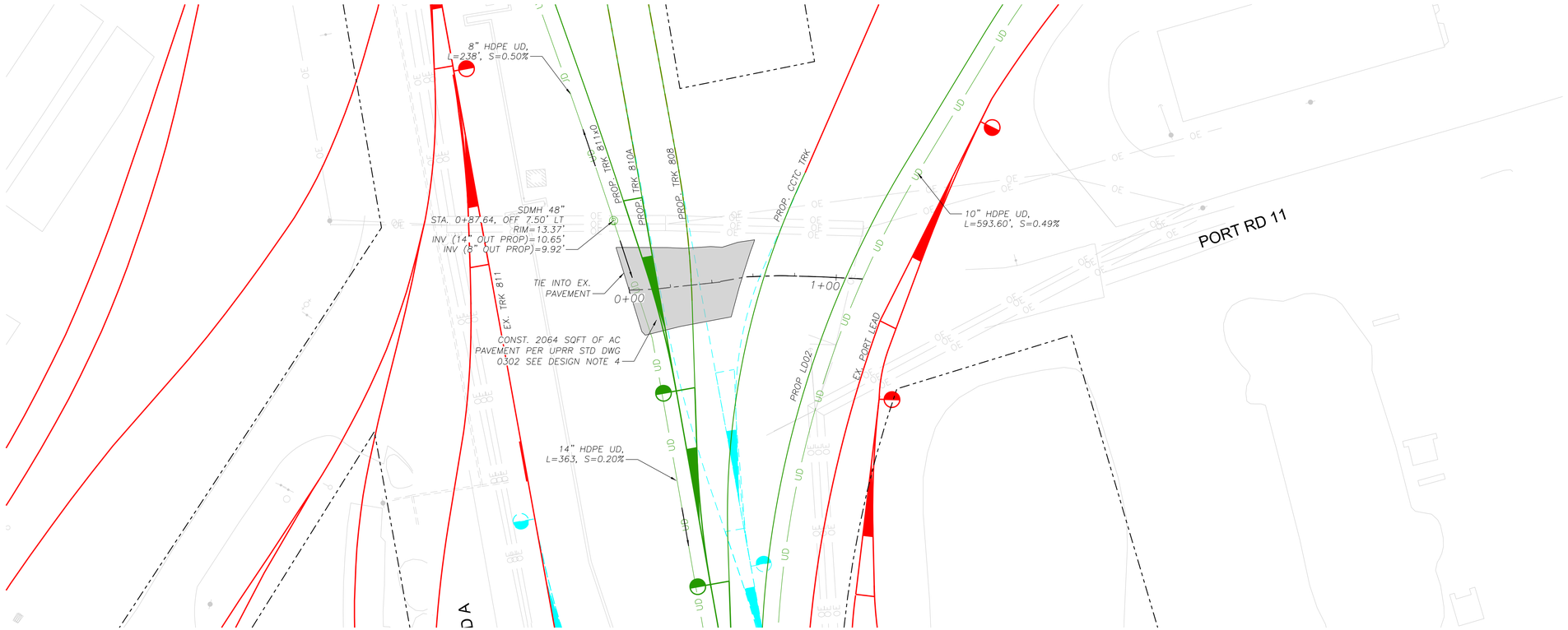


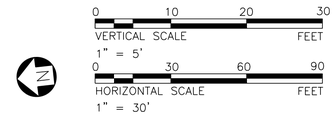
W10−3



W48(CA)







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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

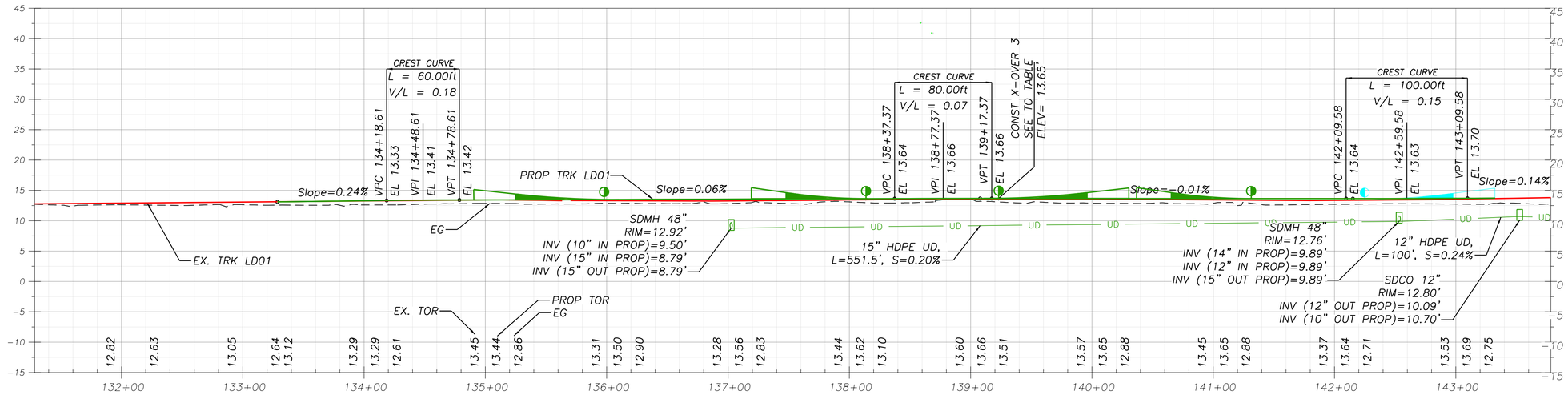
CCTC AREA
LAYOUT AND GRADING SHEET

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO.
CS-208
SHEET 47 of 94

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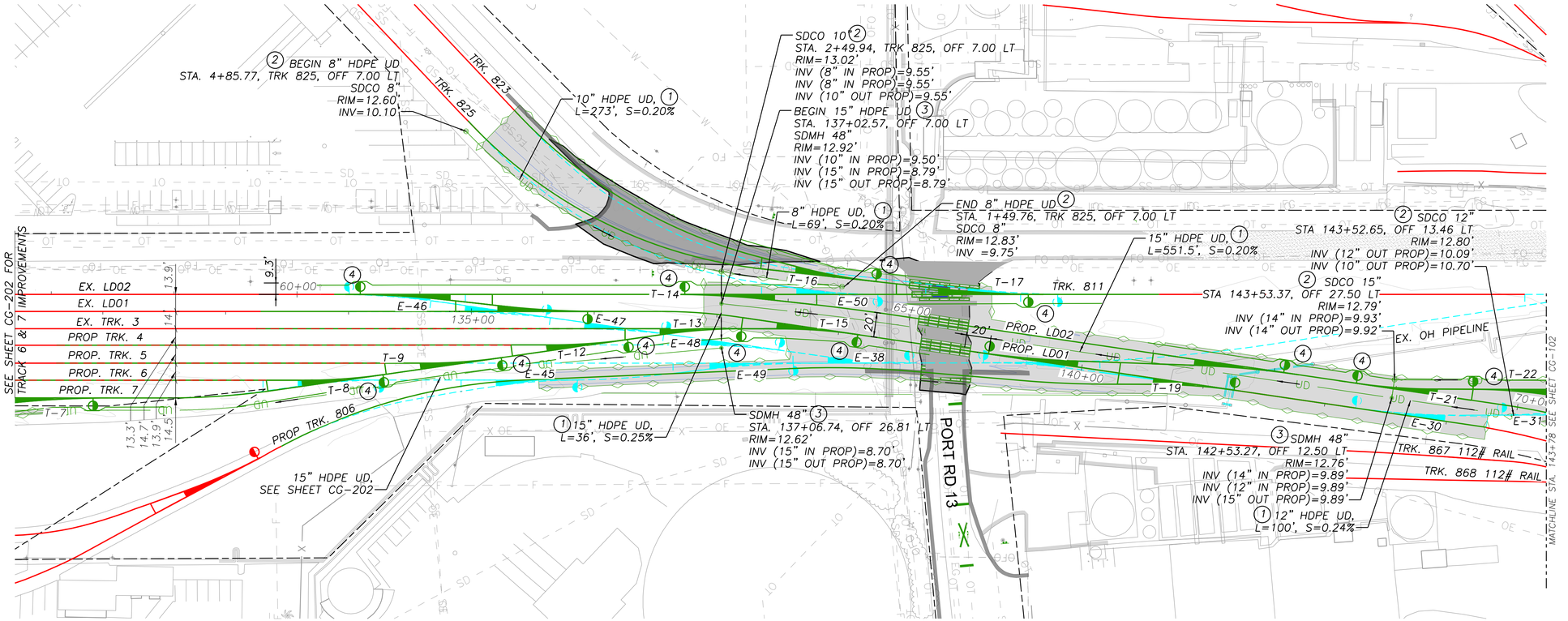


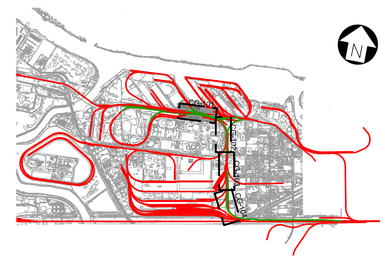
DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

SHEET NOTES:

1. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL.
2. SEE DETAIL 2 ON SHEET CT-502 FOR UNDERDRAIN CLEANOUT DETAIL.
3. SEE DETAIL 3 ON SHEET CT-502 FOR STORM DRAIN MANHOLE DETAIL.
4. SEE DETAIL 1 ON SHEET CT-501 FOR WALKWAY DETAIL.





0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:
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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

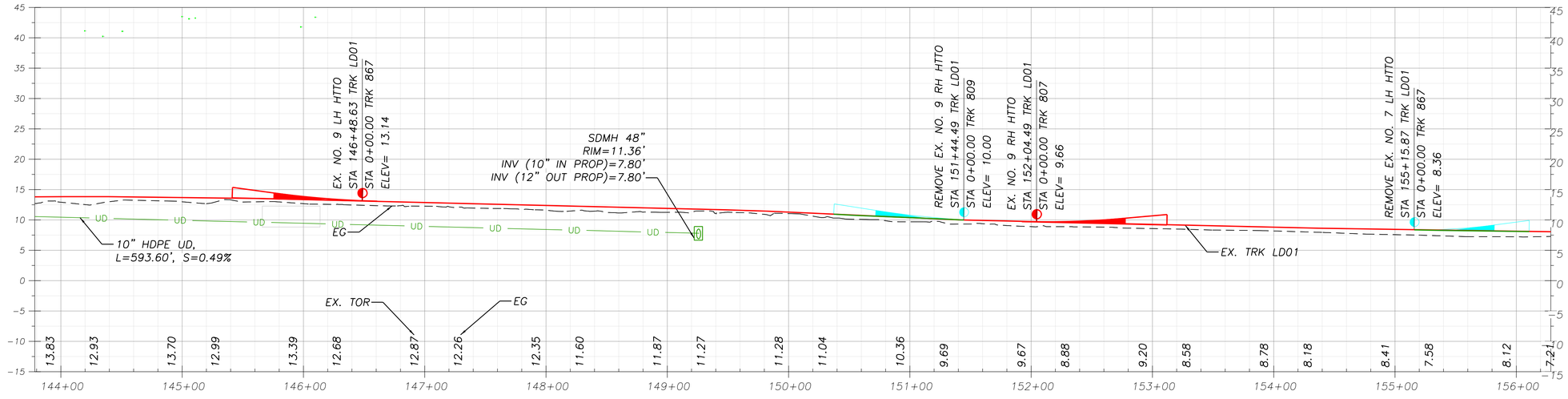
SHEET TITLE:

LD01 GRADING AND DRAINAGE PLAN AND PROFILE STA 131+28 TO STA 143+78

PROJ NO: 21273	SHEET NO. CG-101
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 48 of 94

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8/31/2026 - 11:52:11 AM pw://JMA-PW/APP.jmadrivit.com:JMA-PW/Documents/Projects/21273-HDR/Civil/Rail/Sheets/LLD/TCG-101 to CG-104 LD01



DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

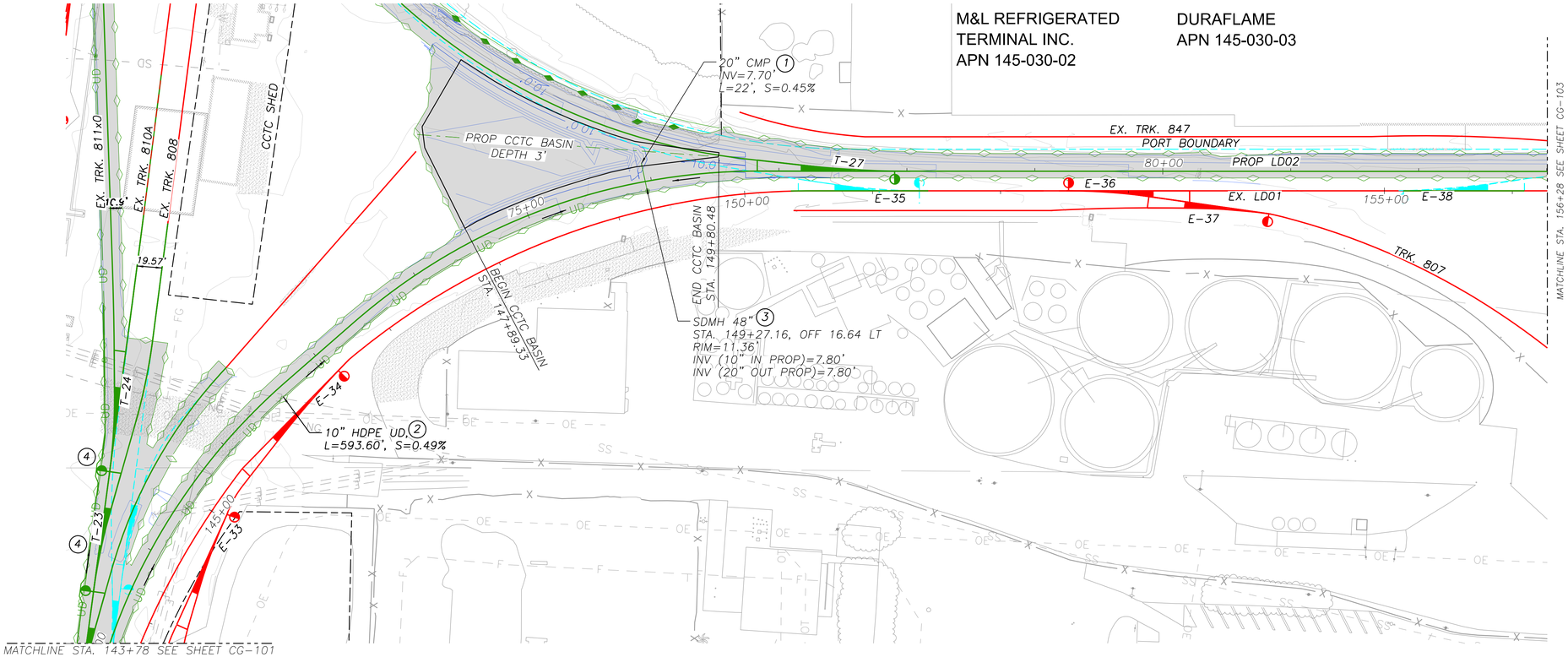
SHEET NOTES:

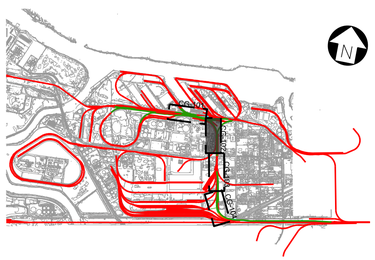
(1) SEE DETAIL 1 ON SHEET CT-503 FOR CULVERT DETAIL.

(2) SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL.

(3) SEE DETAIL 3 ON SHEET CT-502 FOR STORM DRAIN MANHOLE DETAIL.

(4) SEE DETAIL 1 ON SHEET CT-501 FOR WALKWAY DETAIL.





VERTICAL SCALE 1" = 10'
0 10 20 30 FEET

HORIZONTAL SCALE 1" = 50'
0 50 100 150 FEET

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:
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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

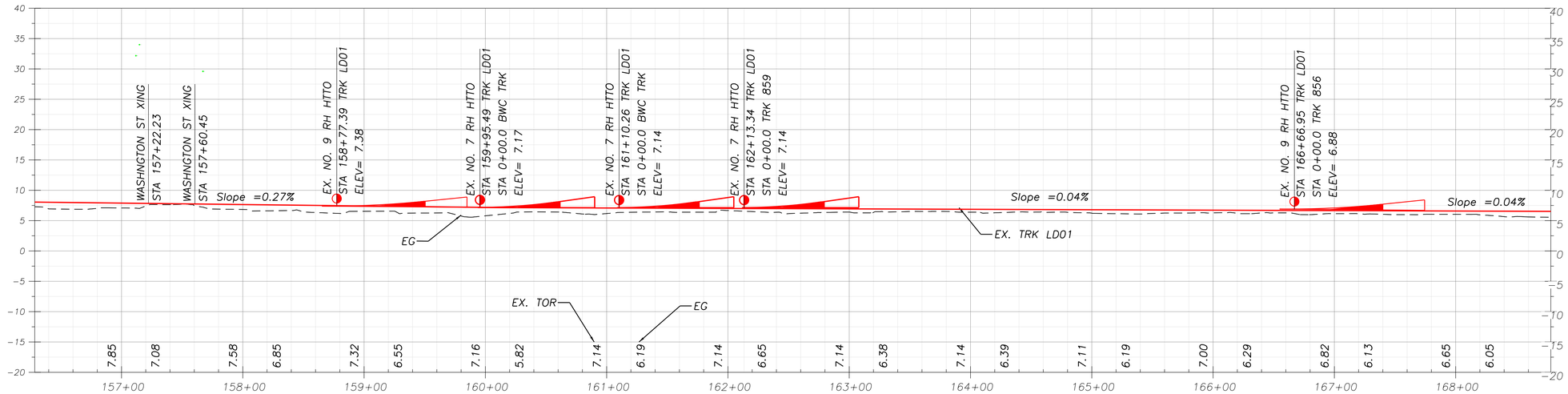
SHEET TITLE:

LD01 GRADING AND DRAINAGE PLAN AND PROFILE STA 143+78 TO STA 156+28

PROJ NO: 21273	SHEET NO. CG-102
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 49 of 94
DESIGNED BY: AG	

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

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8/29/2026 - 8:13:47 PM - pw://JMA-PW-APP.jmacivil.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLDT/CG-101 to CG-104 LD01

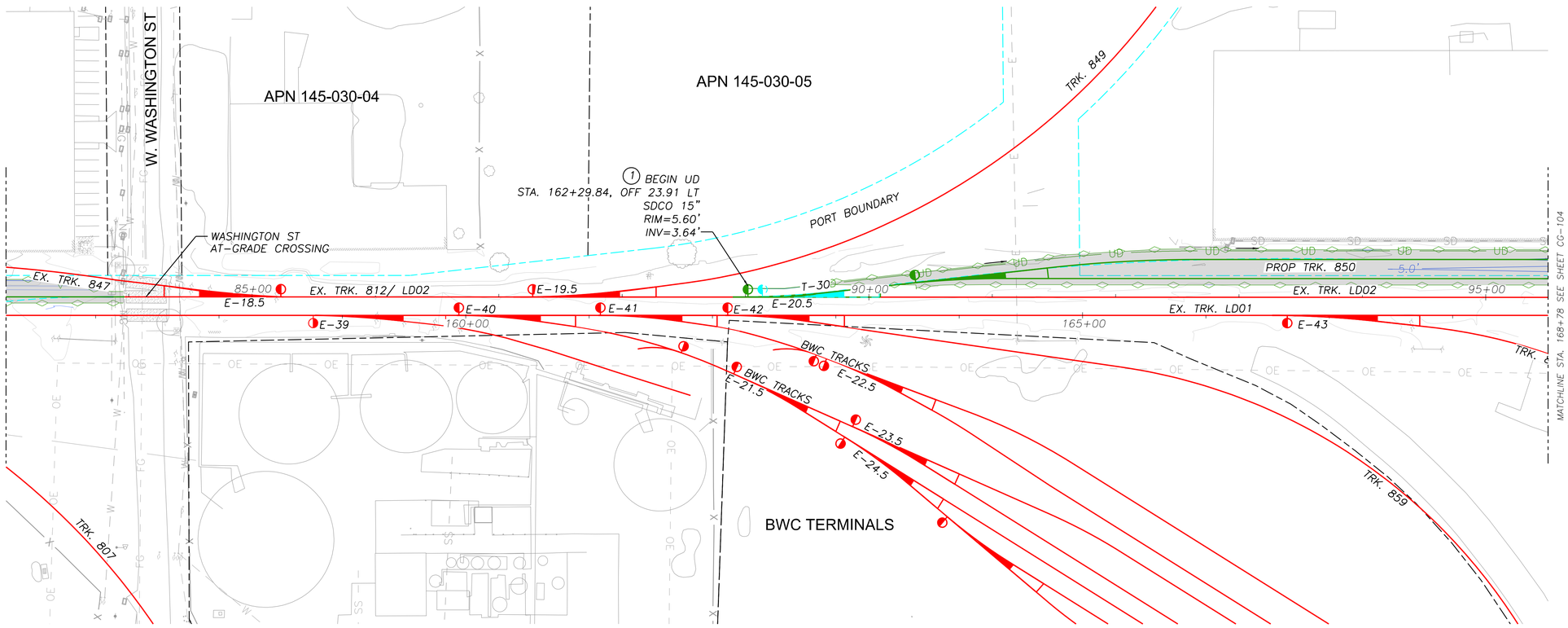


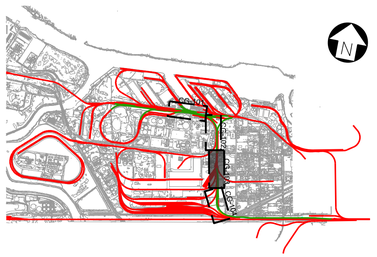
DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

SHEET NOTES:

(1) SEE DETAIL 2 ON SHEET CT-502 FOR UNDERDRAIN CLEANOUT DETAIL.





0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
LD01 GRADING AND DRAINAGE PLAN AND PROFILE STA 156+28 TO STA 168+78

PROJ NO: 21273	SHEET NO. CG-103
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 50 of 94

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8/29/2026 - 8:15:03 PM - pw://JMA-PW-APP.jmadivil.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLDT/CG-101 to CG-104 LD01

DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

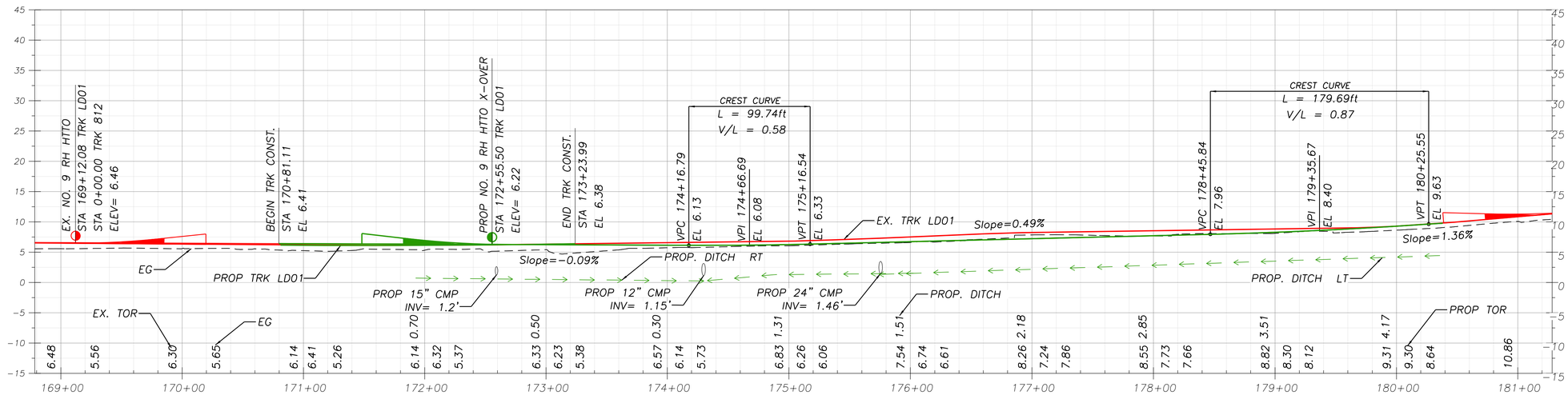
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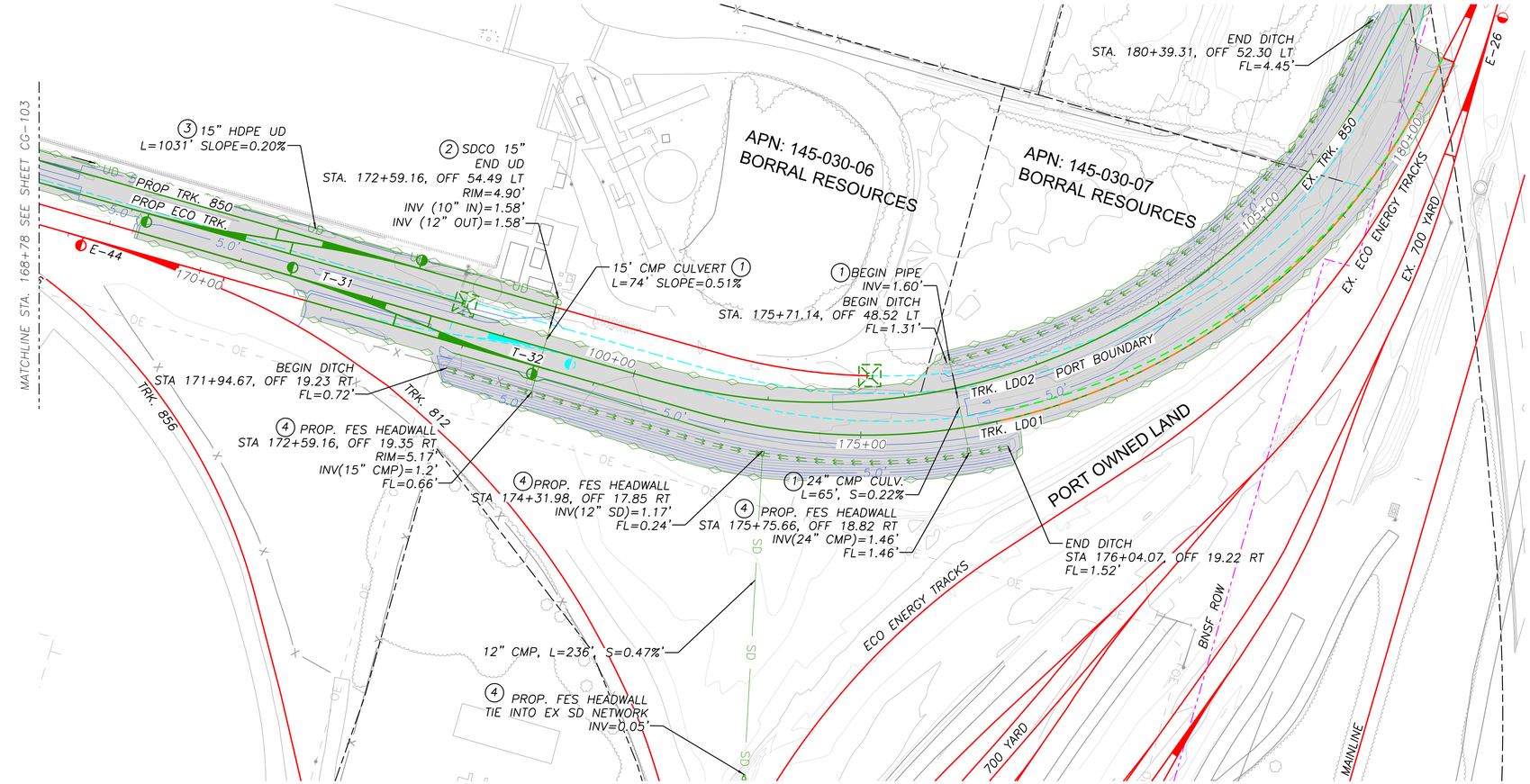
(1) SEE DETAIL 1 ON SHEET CT-503 FOR CULVERT DETAIL.

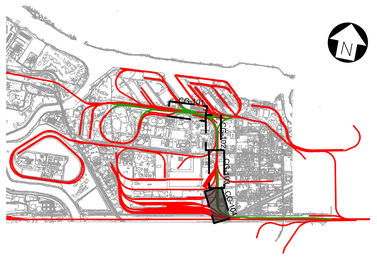
(2) SEE DETAIL 2 ON SHEET CT-502 FOR UNDERDRAIN CLEANOUT DETAIL.

(3) SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL.

(4) SEE DETAIL 1 ON SHEET CT-504 FOR FES ENERGY DISSIPATOR DETAIL.







0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
LD01 GRADING AND DRAINAGE PLAN AND PROFILE STA 168+78 TO STA 181+28

PROJ NO: 21273	SHEET NO. CG-104
SCALE: AS NOTED	SHEET 51 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

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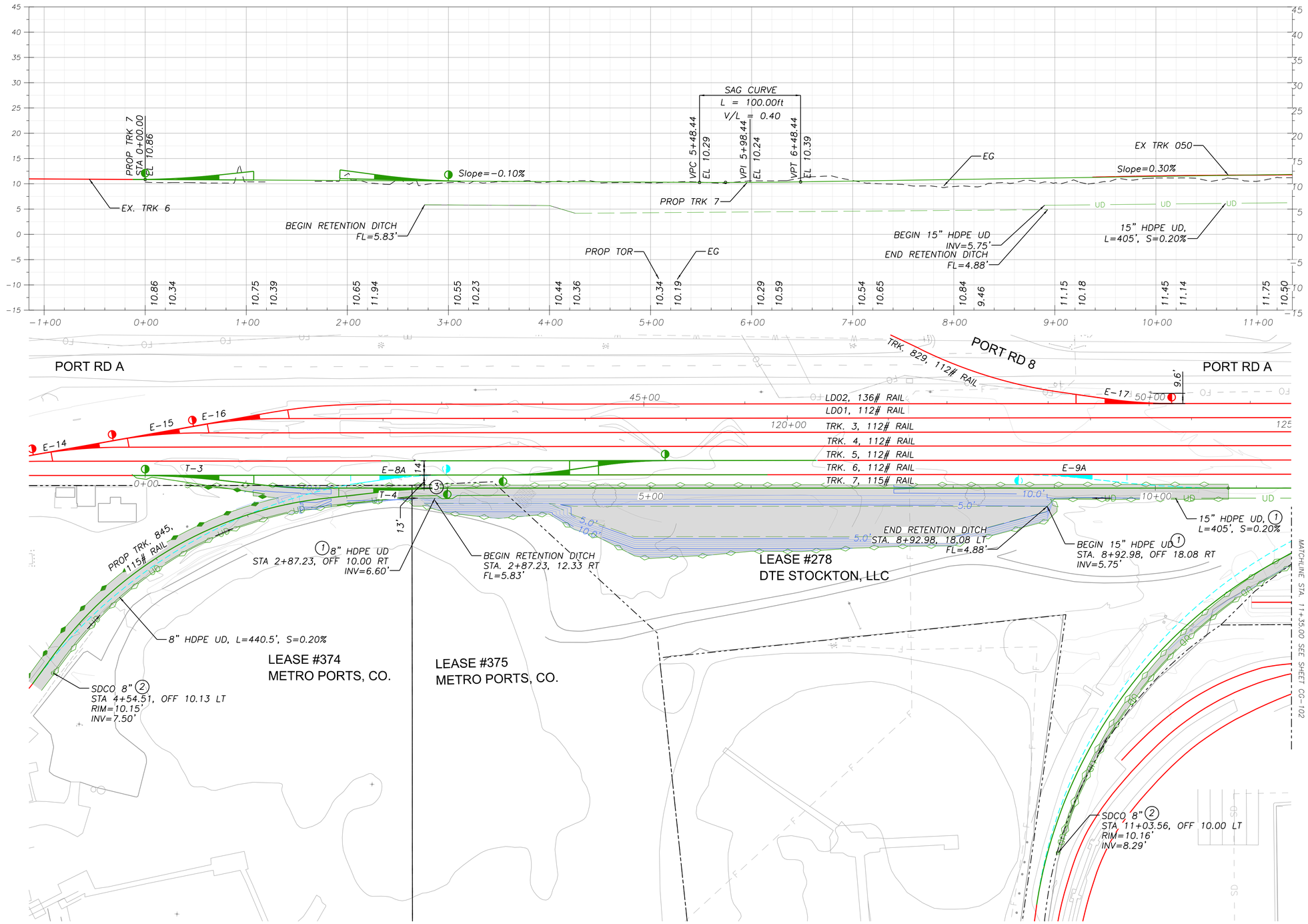
1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

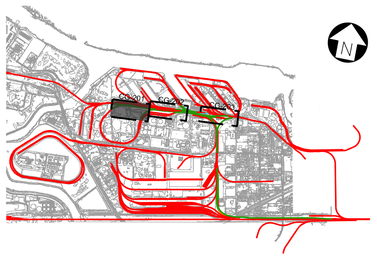
SHEET NOTES:

(1) SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL.

(2) SEE DETAIL 2 ON SHEET CT-502 FOR UNDERDRAIN CLEANOUT DETAIL.

(3) SEE DETAIL 1 ON SHEET CT-501 FOR WALKWAY DETAIL.





0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

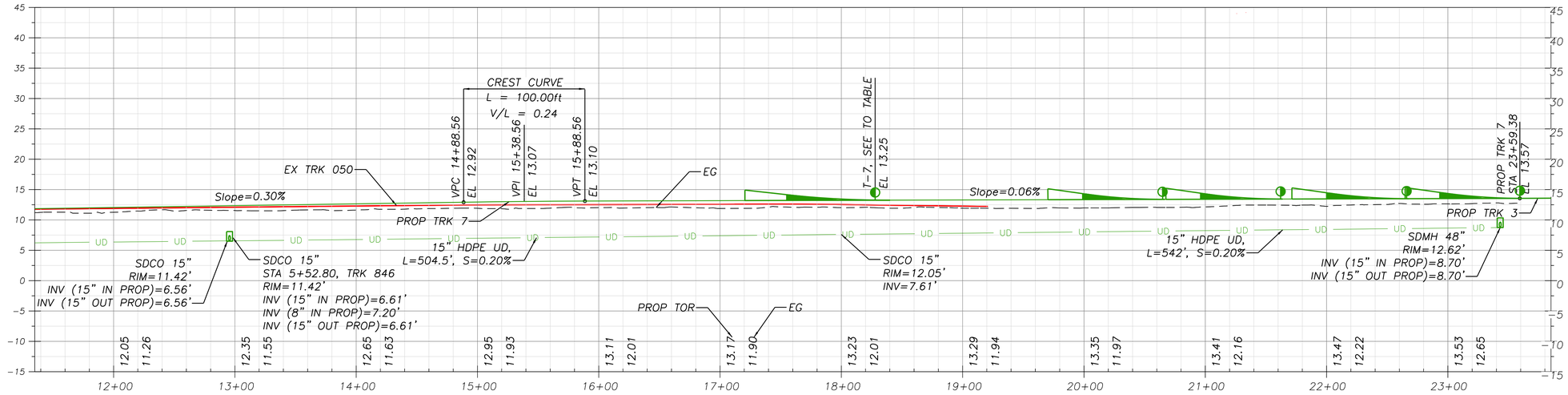
315 W FYFFE STREET
STOCKTON, CA 95230

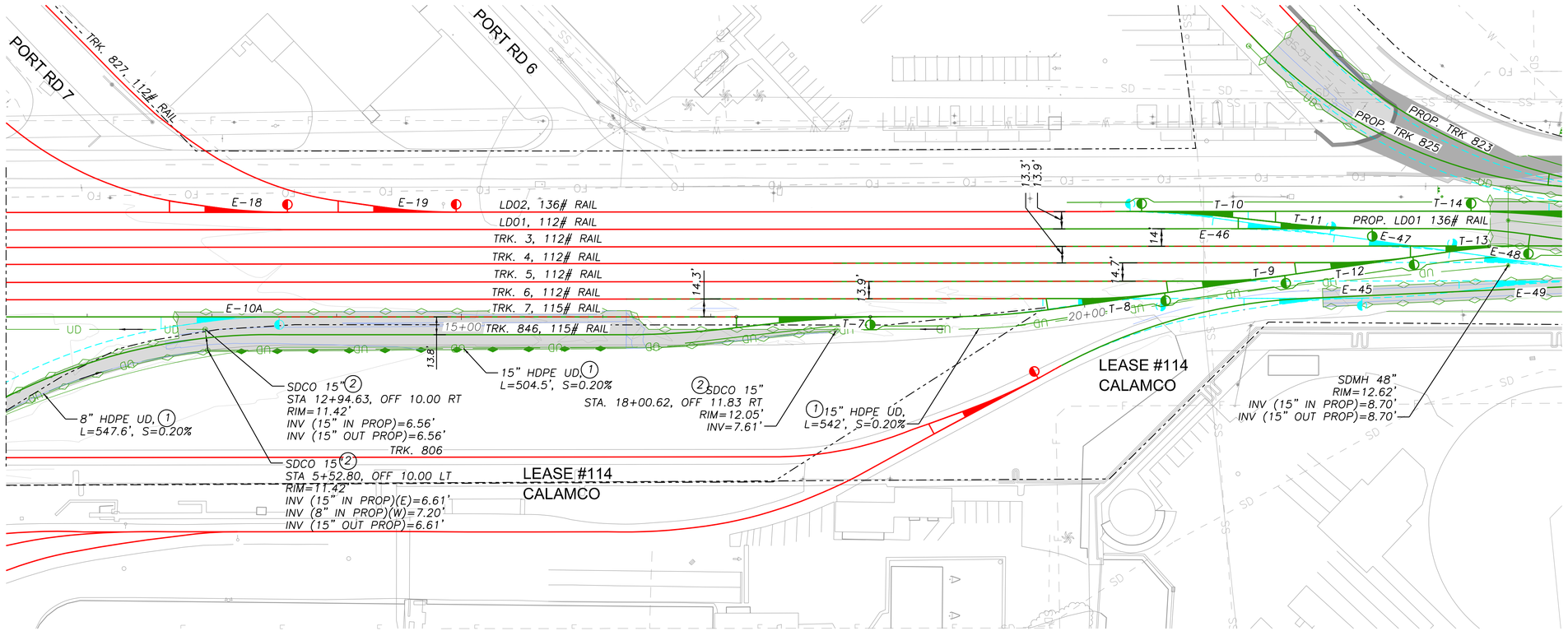
SHEET TITLE:
TRACK 7 GRADING AND DRAINAGE PLAN AND PROFILE
STA 0+00 TO STA 11+35

PROJ NO: 21273	SHEET NO.
SCALE: AS NOTED	CG-201
DATE: 08/31/2026	SHEET 52 of 94
DESIGNED BY: AG	

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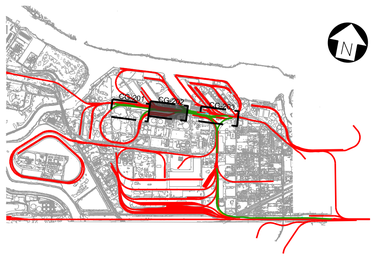
DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

SHEET NOTES:

(1) SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL.

(2) SEE DETAIL 2 ON SHEET CT-502 FOR UNDERDRAIN CLEANOUT DETAIL.



VERTICAL SCALE 1" = 10'
0 10 20 30 FEET

HORIZONTAL SCALE 1" = 50'
0 50 100 150 FEET

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

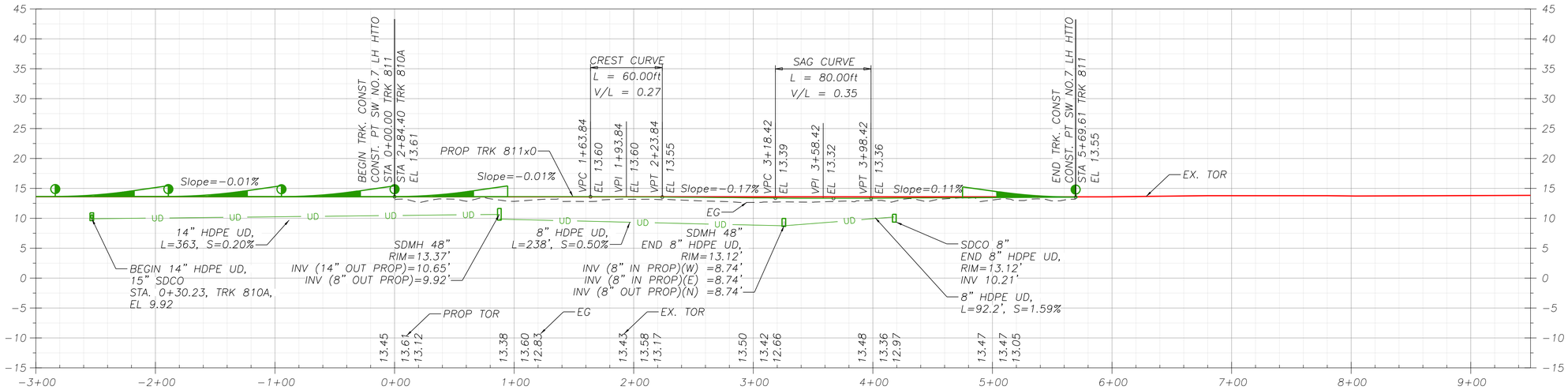
315 W FYFFE STREET
STOCKTON, CA 95230

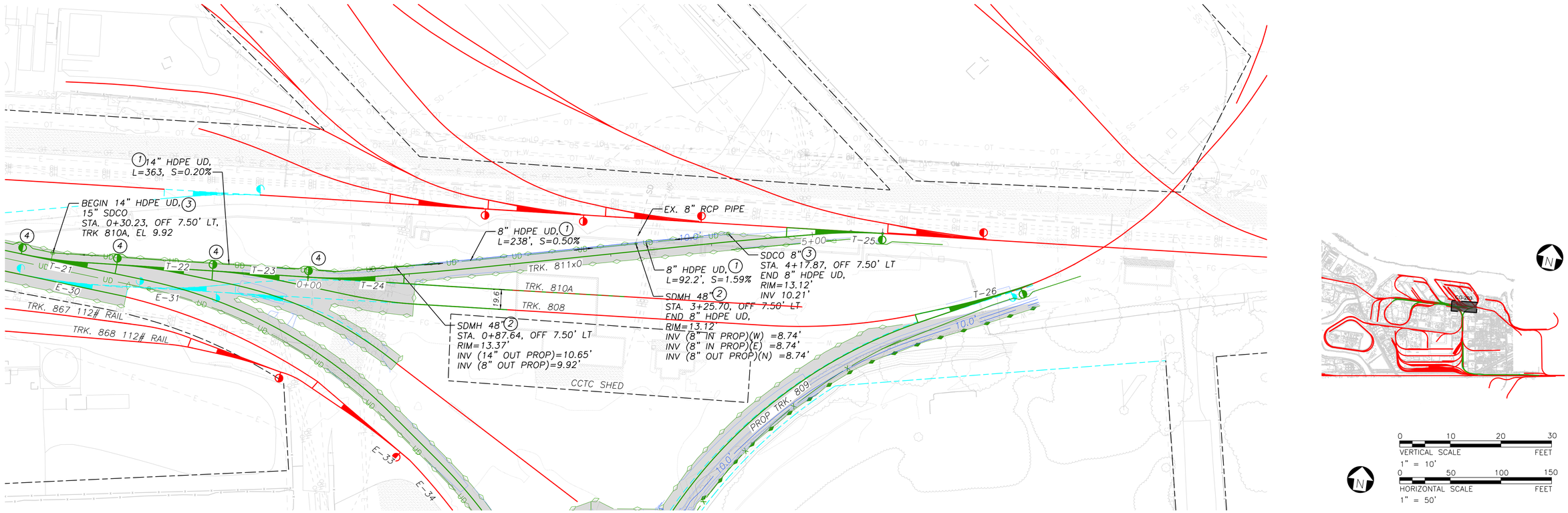
SHEET TITLE:
TRACK 7 GRADING AND DRAINAGE PLAN AND PROFILE STA 11+35 TO STA 23+60

PROJ NO: 21273	SHEET NO. CG-202
SCALE: AS NOTED	SHEET 53 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

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0 10 20 30
VERTICAL SCALE FEET
1" = 10'

0 50 100 150
HORIZONTAL SCALE FEET
1" = 50'

DESIGN NOTES:

1. REFER TO SHEET G-001, G-004 & G-100 FOR PROJECT DESIGN NOTES.
2. REFER TO SCOPE OF WORK MATRIX ON SHEET G-008 FOR A DETAILED SUMMARY OF ALL PROPOSED TRACK AND TURNOUT UPGRADES AND IMPROVEMENTS.

SHEET NOTES:

1. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL.
2. SEE DETAIL 3 ON SHEET CT-502 FOR MANHOLE DETAIL.
3. SEE DETAIL 2 ON SHEET CT-502 FOR UNDERDRAIN CLEANOUT DETAIL.
4. SEE DETAIL 1 ON SHEET CT-501 FOR WALKWAY DETAIL.

SUBCONSULTANT:

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2379 Gateway Oaks, Ste. 200
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PORT OF STOCKTON
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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

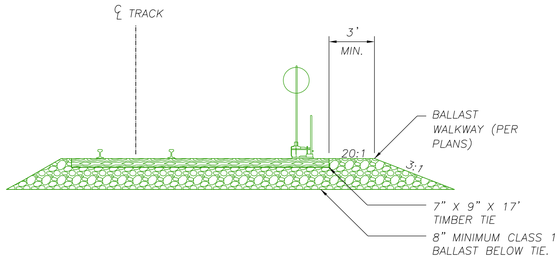
315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
TRACK 811x0 GRADING AND DRAINAGE PLAN AND PROFILE STA 0+00 TO STA 5+70

PROJ NO: 21273	SHEET NO.
SCALE: AS NOTED	CG-203
DATE: 08/31/2026	SHEET 54 of 94
DESIGNED BY: AG	

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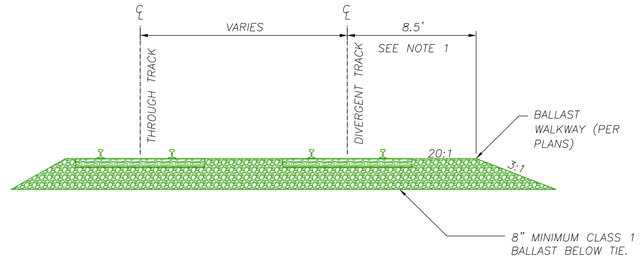
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8/31/2026 - 11:54:38 AM pw://JMA-PW-APP.jmadvit.com:JMA-PW/Documents/Projects/21273-HDR/Sub/Rail/Sheets/LLDT/CG-203.dgn



SECTION AT TURNOUT SWITCH STAND

NOTE:

1. INSIDE EDGE OF WALKWAY MUST BE BETWEEN THE OUTSIDE EDGE OF THE RAIL AND A POINT THREE FEET FROM CENTERLINE OF THE TRACK.



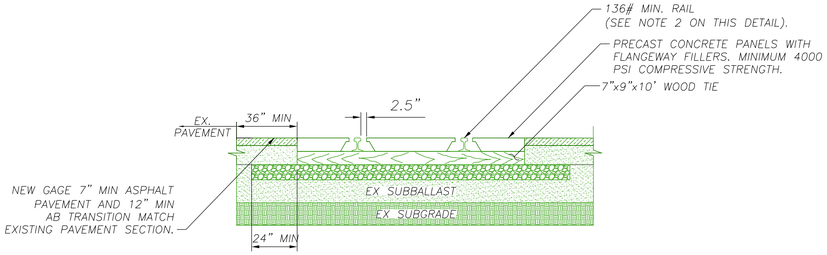
SECTION ALONG TURNOUT

NOTE:

1. WALKWAY LIMIT SHALL EXTEND MINIMUM 50' BEFORE SWITCH STAND TO THE CLEAR POINT BETWEEN THE THROUGH AND DIVERGENT TRACKS PER CPUC GO-118-A STD. NO. 5.

1 / CT-501 — RAILROAD/CPUC STANDARD WALKWAY

SCALE: 1" = 2'



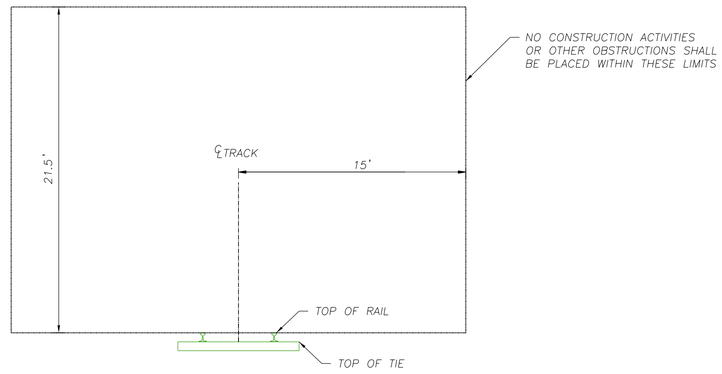
NOTES:

1. TRANSITION TIES AT BOTH SIDES OF THE CROSSING SHALL BE 10' LONG, OR LENGTH REQUIRED TO MEET REQUIREMENTS OF CONCRETE PANEL MANUFACTURERS. SPACE TIES AT MINIMUM 19.5" SPACING. PLACE 5 TRANSITION TIES PAST THE PROPOSED CROSSING ON BOTH SIDES PER UPRR STD DWG 0304.

2. RAIL SHALL BE 136# MIN THROUGH CROSSING TO A DISTANCE OF 25' FROM EDGE OF CONCRETE CROSSING. ALL JOINTS IN CROSSING AREA TO BE WELDED. DO NOT INSTALL BOLTED JOINT BARS.

2 / CT-501 — PRECAST CONCRETE GRADE CROSSSING

SCALE: 1" = 3'



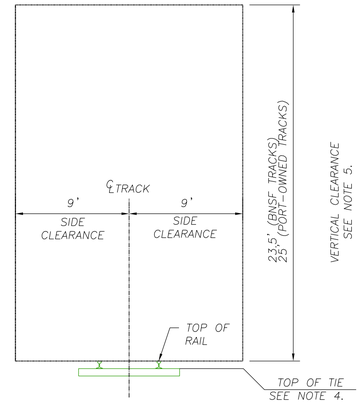
NOTES:

1. ANY SHORING SYSTEM THAT IMPACTS THE RAILROAD'S OPERATION AND/OR SUPPORTS THE RAILROAD EMBANKMENT SHALL BE DESIGNED AND CONSTRUCTED PER RAILROAD GUIDELINES FOR TEMPORARY SHORING.

2. THE ELEVATION OF THE EXISTING TOP-OF-RAIL PROFILE SHALL BE VERIFIED BEFORE BEGINNING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RAILROAD PRIOR TO CONSTRUCTION.

3 / CT-501 — RAILROAD TEMPORARY CLEARANCE

SCALE: 1" = 2'



NOTES:

1. ANY FACILITIES FALLING WITHIN THESE DIMENSIONS AND LOCATED ON TANGENT TRACK WILL BE CONSIDERED IMPAIRED CLEARANCE, SUBJECT TO AGREEMENT, AND MUST BE APPROVED PRIOR TO CONSTRUCTION BY THE SERVING RAILROAD.
2. HORIZONTAL CLEARANCES ARE TO BE INCREASED 1 1/2" PER DEGREE OF CURVE WHERE THE FACILITY IS LOCATED ADJACENT TO OR WITHIN 80' OF TURNOUT OR CURVE LIMITS.
3. WHERE PRACTICAL, ALL POSTS, SIGNS, AND OTHER SMALL OBSTRUCTIONS SHALL BE GIVEN A SIDE CLEARANCE OF 10'.
4. NO OBSTRUCTIONS SHALL EXTEND ABOVE THE TOP OF TIE WITHIN 9' FROM THE CENTER LINE OF RAIL.
5. THE PERMANENT VERTICAL CLEARANCE MUST NOT BE VIOLATED DUE TO DEFLECTION OF THE SUPER STRUCTURE.
6. ALL PERMANENT CLEARANCES SHALL BE VERIFIED BEFORE PROJECT CLOSEOUT.

4 / CT-501 — RAILROAD PERMANENT CLEARANCE

SCALE: 1" = 2'

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

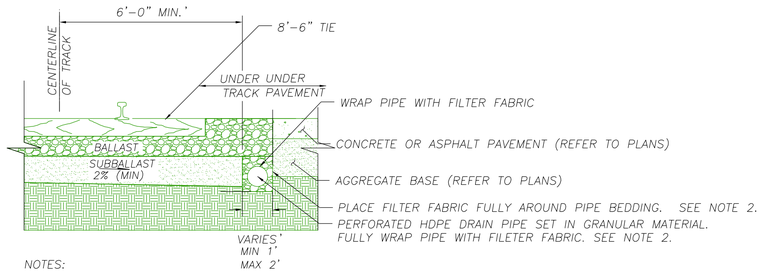
SHEET TITLE:

TRACK DETAILS

PROJ NO: 21273	SHEET NO. CT-501
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 55 of 94

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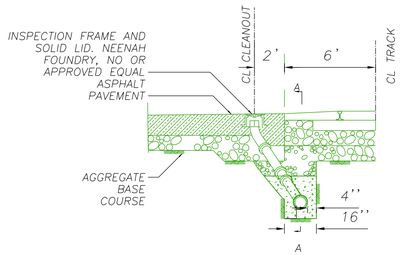
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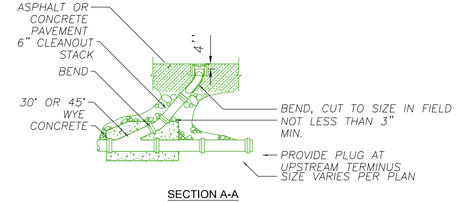
1. REFER TO TRACK DRAWINGS FOR RAIL PLAN AND PROFILE.
2. DRAIN PIPES SHALL BE INSTALLED WITH PERFORATIONS DOWNWARD. FILTER FABRIC AROUND PIPES AND PIPE BEDDING SHALL BE MIRAFI 140N, OR APPROVED EQUIVALENT.
3. REFER TO GRADING AND DRAINAGE PLANS FOR UNDERDRAIN SIZE.

1 TRACK UNDERDRAIN

CT-502

SCALE: 1"=4'





SECTION A-A

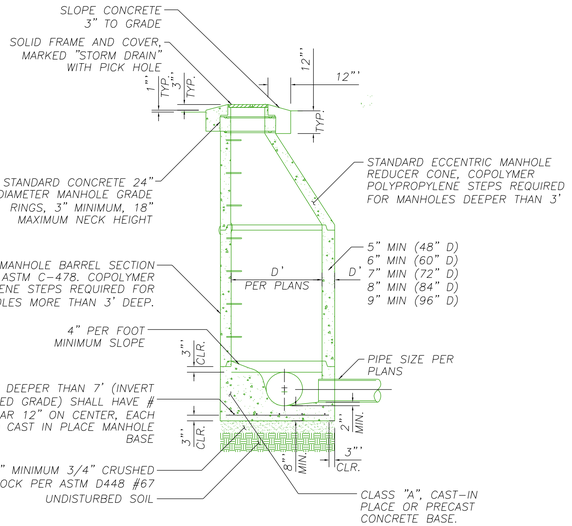
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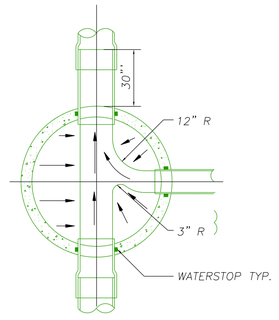
1. ALL PIPING IS HDPE OR PVC WITH SDR 26, UNLESS OTHERWISE NOTED.
2. FOR CLEANOUTS IN BALLAST, RIM OF CLEANOUT SHALL BE WITHIN 1" OF TOP OF TIE.

2 UNDERDRAIN CLEANOUT

CT-502

SCALE: 1"=2'





TYPICAL CHANNELIZATION

NOTES:

1. FOR MANHOLES IN PAVED AREAS, THE RIM SHALL BE SET FLUSH WITH ADJACENT PAVEMENT GRADE.
2. PROVIDE D&L SUPPLY OR APPROVED EQUAL HEAVY DUTY HS20 GRATE AS NOTED ON PLANS.

3 STORM DRAIN MANHOLE

CT-502

SCALE: 1"=3'

NOTES:

1. ALL FRAMEWORK SHALL BE GALVANIZED.
2. TERMINAL AND LINE POST 2 3/8" OD SCH 40 3.65 LB/FT.
3. TOP MIDDLE AND BOTTOM 1 5/8" OD SCH 40 2.27 LB/FT.

4 UPRR FENCE

CT-502

SCALE: 1"=4'

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PRIME CONSULTANT:

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PORT OF STOCKTON CALIFORNIA

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

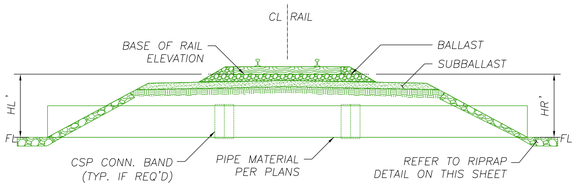
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TRACK DETAILS

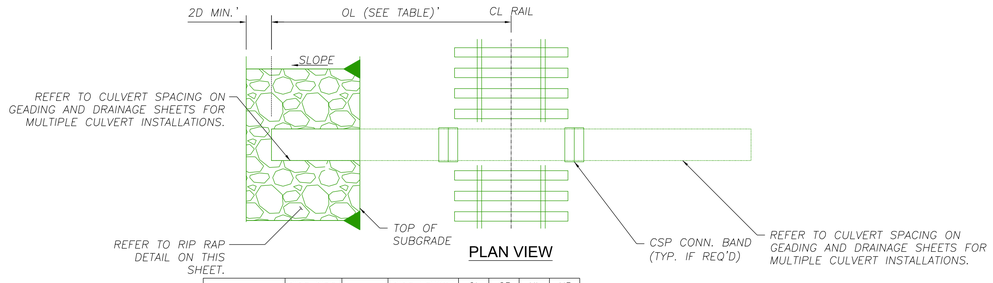
PROJ NO: 21273	SHEET NO. CT-502
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 56 of 94

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SECTION VIEW



PLAN VIEW

CROSSING	PIPE SIZE (IN)	TR	PIPE LENGTH (FT)	OL (FT)	OR (FT)	HL (FT)	HR (FT)
STA. 141+44.14 LD01	10" HDPE UD	SEE SHEET CG-101					
STA. 149+27.16 LD01	12" CMP CULVERT	SEE SHEET CG-102					
STA. 172+59.16 LD01	24" CMP CULVERT	SEE SHEET CG-104					
STA. 174+31.98 LD01	24" CMP CULVERT	SEE SHEET CG-104					
STA. 175+75.66 LD01	24" CMP CULVERT	SEE SHEET CG-104					

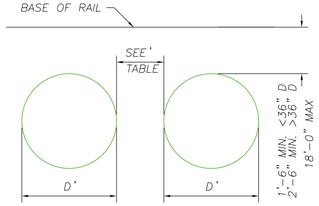
NOTES:

1. ALL CULVERTS SHALL BE COOPER E-80 LOAD RATED.

1 CULVERT DETAILS - UPRR

CT-503

SCALE: 1"=5'

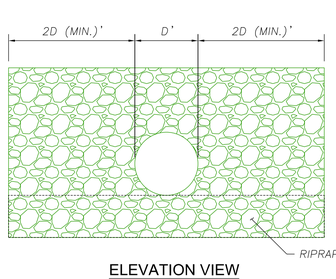


SPACING CHART	
PIPE DIAMETER, D	MIN. SPACING BETWEEN PIPES
12" TO 24"	12"
24" TO 96"	D/2
96" OR MORE	48"

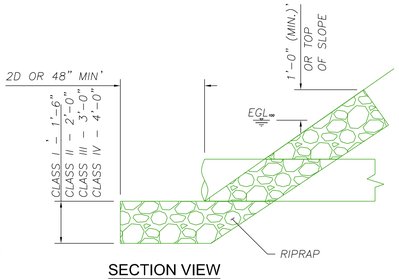
3 CULVERT MINIMUM SPACING AND COVER

CT-503

SCALE: 1"=2'



ELEVATION VIEW



SECTION VIEW

NOTES:

1. ENSURE THAT RIPRAP GRADING AND PLACEMENT COMPLIES WITH UPRR SPECIFICATIONS.

2 CULVERT RIPRAP PROTECTION

CT-503

SCALE: 1"=3'

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LONG LEAD DOUBLE TRACK

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STOCKTON, CA 95203

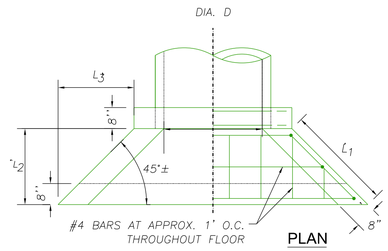
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TRACK DETAILS

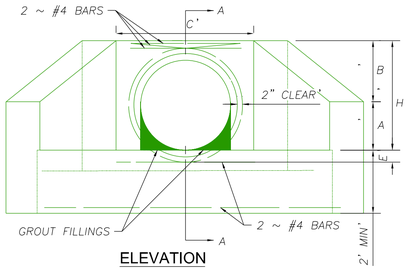
PROJ NO: 21273	SHEET NO. CT-503
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 57 of 94
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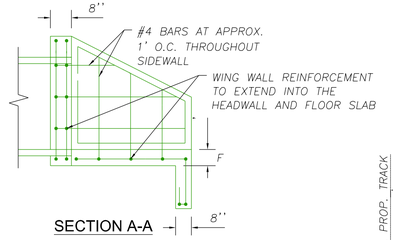
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PLAN



ELEVATION



SECTION A-A

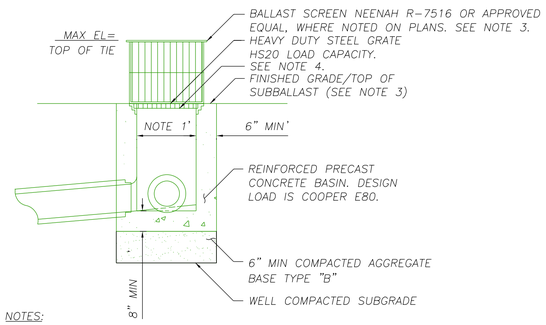
HEADWALLS FOR RCP													
CROSSING	SHEET NO.	CULVERT		CL. "DD" CONC.	DIMENSION TABLE								
		DIA. D	AREA (SQ. FT.)	INLET	A	B	C	E	H	L_1	L_2	F	L_3
STA. 172+59.16 LD01	SEE SHEET CG-104	2'	3.14	1.00	1.5'	1.5'	3.5'	6"	3'	3'	2.12'	7"	2.12'
STA. 174+31.98 LD01	SEE SHEET CG-104	2'	3.14	1.00	1.5'	1.5'	3.5'	6"	3'	3'	2.12'	7"	2.12'
STA. 175+76.66 LD01	SEE SHEET CG-104	2'	3.14	1.00	1.5'	1.5'	3.5'	6"	3'	3'	2.12'	7"	2.12'

NOTES:

1. CHAMFER ALL EXPOSED CORNERS 1 INCH.
2. REINFORCING STEEL SHALL BE NOT LESS THAN 2 INCHES TO NEAREST FACE OF CONCRETE AND SHALL NOT BE LESS THAN 3 INCHES TO NEAREST FACE OF CONCRETE EXPOSED TO EARTH.
3. CONTRACTOR TO CONFIRM ADEQUATE CLEARANCE FOR FLAPGATE MOUNTING PRIOR TO HEADWALL CONSTRUCTION.

1 CT-504 FES ENERGY DISSIPATOR

SCALE: 1"=4'

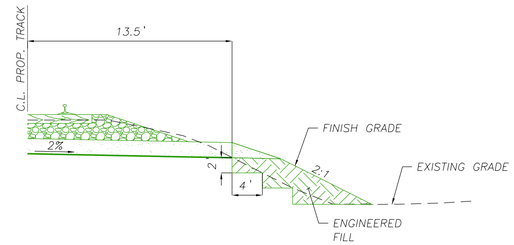


NOTES:

1. INSIDE DIMENSIONS SHALL CONFORM TO PRECAST MANUFACTURER'S RECOMMENDATIONS FOR SIZE, NUMBER AND ANGLE OF CONNECTING PIPES.
2. SEE PLANS FOR INLET SIZE AND PIPE, STRUCTURE INVERT ELEVATIONS.
3. WHERE NOTED ON PLANS, INCLUDE BALLAST SCREEN AND SET BASIN RIM ELEVATION AT TOP OF SUBBALLAST.
4. PROVIDE A DROP-IN STYLE SEDIMENT CAPTURE DEVICE WITH OVERFLOW IN ALL INLETS NOT EQUIPPED WITH BALLAST SCREEN. DEVICE SHALL INCLUDE A LIFTING MECHANISM TO FACILITATE MAINTENANCE.

3 CT-504 STORM DRAIN CATCH BASIN WITH BALLAST SCREEN

SCALE: 1"=5'

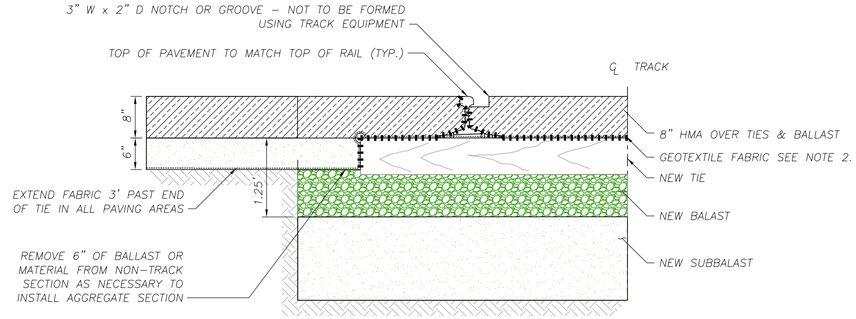


NOTES:

1. CONSTRUCT A BENCH FOR SLOPES GREATER THAN 5:1 AT THE TOE OF THE ENGINEERED FILL WITH 2' AS THE MAXIMUM ALLOWABLE HEIGHT.
2. AREAS TO RECEIVE ENGINEERED FILL SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES, UNIFORMLY MOISTURE CONDITIONED TO BETWEEN 2 AND 4 PERCENT ABOVE OPTIMUM MOISTURE CONTENT AND BE COMPACTED TO AT LEAST RELATIVE COMPACTION PER ASTM D1557.

2 CT-504 ROADBED KEY-IN

SCALE: 1"=2'



NOTES:

1. COORDINATE CONSTRUCTION WITHIN 25 FEET OF TRACK CENTERLINE WITH UPRR.
2. WHERE PAVEMENT IS PLACED ON TIES, INSTALL GEOTEXTILE FABRIC ACROSS LENGTH OF TIE ON BOTH SIDES OF RAIL UNDER ASPHALT AND TUCK FABRIC UNDER HEAD OF RAIL. FABRIC SHALL BE 8 OZ/SY NEEDLE PUNCHED NON-WOVEN.
3. CONTRACTOR TO USE CAUTION WHEN REMOVING EXISTING MATERIAL FROM TRACK SECTIONS AND DURING PLACEMENT OF ASPHALT PAVEMENT.
4. TRANSITION TIES AT BOTH SIDES OF THE CROSSING SHALL BE 10 FEET LONG AND SPACE TIES AT MINIMUM 19.5 INCH SPACING.

4 CT-504 ASPHALT TRACK OVERLAY

SCALE: NTS

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:

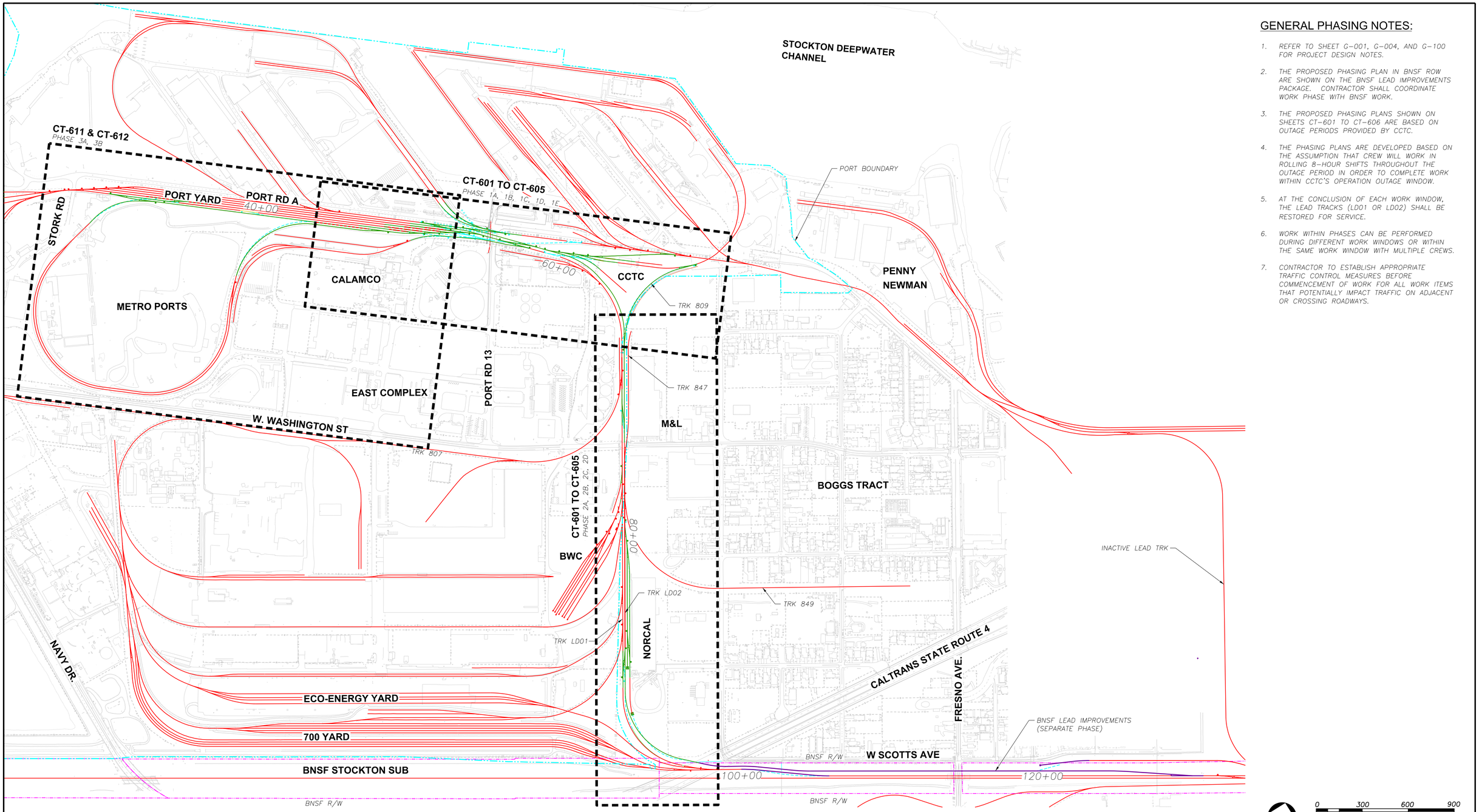
TRACK DETAILS

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO. CT-504
SHEET 58 of 94

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GENERAL PHASING NOTES:

1. REFER TO SHEET G-001, G-004, AND G-100 FOR PROJECT DESIGN NOTES.
2. THE PROPOSED PHASING PLAN IN BNSF ROW ARE SHOWN ON THE BNSF LEAD IMPROVEMENTS PACKAGE. CONTRACTOR SHALL COORDINATE WORK PHASE WITH BNSF WORK.
3. THE PROPOSED PHASING PLANS SHOWN ON SHEETS CT-601 TO CT-606 ARE BASED ON OUTAGE PERIODS PROVIDED BY CCTC.
4. THE PHASING PLANS ARE DEVELOPED BASED ON THE ASSUMPTION THAT CREW WILL WORK IN ROLLING 8-HOUR SHIFTS THROUGHOUT THE OUTAGE PERIOD IN ORDER TO COMPLETE WORK WITHIN CCTC'S OPERATION OUTAGE WINDOW.
5. AT THE CONCLUSION OF EACH WORK WINDOW, THE LEAD TRACKS (LD01 OR LD02) SHALL BE RESTORED FOR SERVICE.
6. WORK WITHIN PHASES CAN BE PERFORMED DURING DIFFERENT WORK WINDOWS OR WITHIN THE SAME WORK WINDOW WITH MULTIPLE CREWS.
7. CONTRACTOR TO ESTABLISH APPROPRIATE TRAFFIC CONTROL MEASURES BEFORE COMMENCEMENT OF WORK FOR ALL WORK ITEMS THAT POTENTIALLY IMPACT TRAFFIC ON ADJACENT OR CROSSING ROADWAYS.

SUBCONSULTANT:

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

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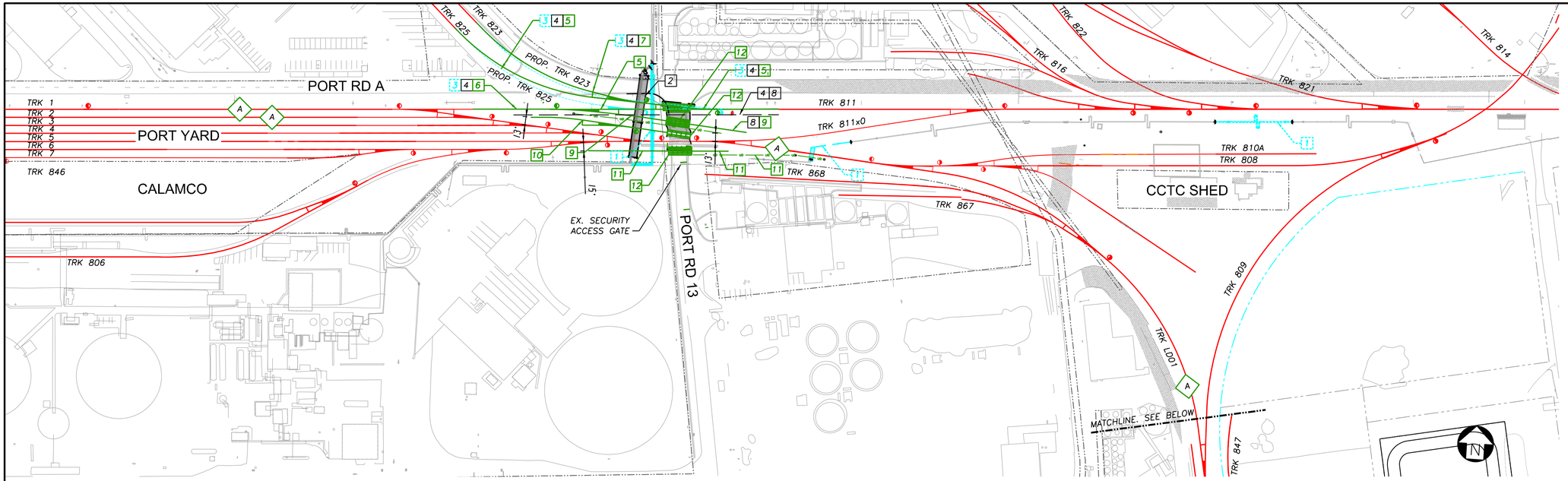
SHEET TITLE:

OVERALL PHASING KEY MAP

PROJ NO: 21273	SHEET NO.
SCALE: AS NOTED	CT-600
DATE: 08/31/2026	SHEET 59 of 94
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PHASE 1A

1. OVHD PIPELINE SUPPORTS TO BE DEMOLISHED AS PART OF A SEPARATE WORK PACKAGE.
2. OVHD PIPELINE TO BE RECONSTRUCTED AS PART OF A SEPARATE WORK PACKAGE.
3. REMOVE PORTIONS OF TRACKS 823 & 825 AND REMOVE TWO TURNOUTS ON TRK. 811.
4. INSTALL TEMPORARY SHORING AND PERFORM EARTHWORK AND PREPARE TRACK ROADBED NORTH OF SHORING. RECONSTRUCT ASPHALT CROSSING ON PORT RD A TO UPRR STANDARDS.
5. INSTALL TWO PREPANELIZED NO.9 TURNOUTS ON PROP. TRK. 811.
6. RECONSTRUCT TRK. 811 & RESTORE OPERATIONS ON 811.
7. INSTALL PREPANELIZED NO.7 TURNOUT AND RECONSTRUCT TRACKS 823 AND 825.
8. PERFORM EARTHWORK SOUTH OF TEMPORARY SHORING CLEAR OF ADJACENT EXISTING TRACKS. REMOVE TEMPORARY SHORING.
9. CONSTRUCT TRK. LD02 WITH TRACK UNDERDRAIN WITHIN 13' CLEAR OF TRACKS 811 & 811X0.
10. INSTALL PREPANELIZED NO.7 TURNOUT AND CONSTRUCT TRK. LD01 CLEAR OF PORT YARD AND PORT RD 13.
11. CONSTRUCT TRK. 806 CLEAR OF ADJACENT TRACKS AND PORT RD 13.
12. INSTALL CONCRETE CROSSING PANELS AND PERFORM ASSOCIATED ROADWAY WORK AT PORT RD 13 FOR TRACKS LD01, LD02 AND 806.

PHASE 1A: PORT RD 13 IMPROVEMENTS
TRACK 811, 823, 825 OUTAGES; PORT RD A, PORT RD 13 CLOSURES

DESIGN NOTES:

1. SEE OVERALL PHASING SHEET CT-600 FOR PROJECT NOTES ON OVERALL PHASING.
2. CONTRACTOR TO COORDINATE WITH M&L AND BORAL RESOURCES TO COORDINATE WORK WINDOWS FOR PORTION OF WORK IMPACTING THEIR TRACKS.

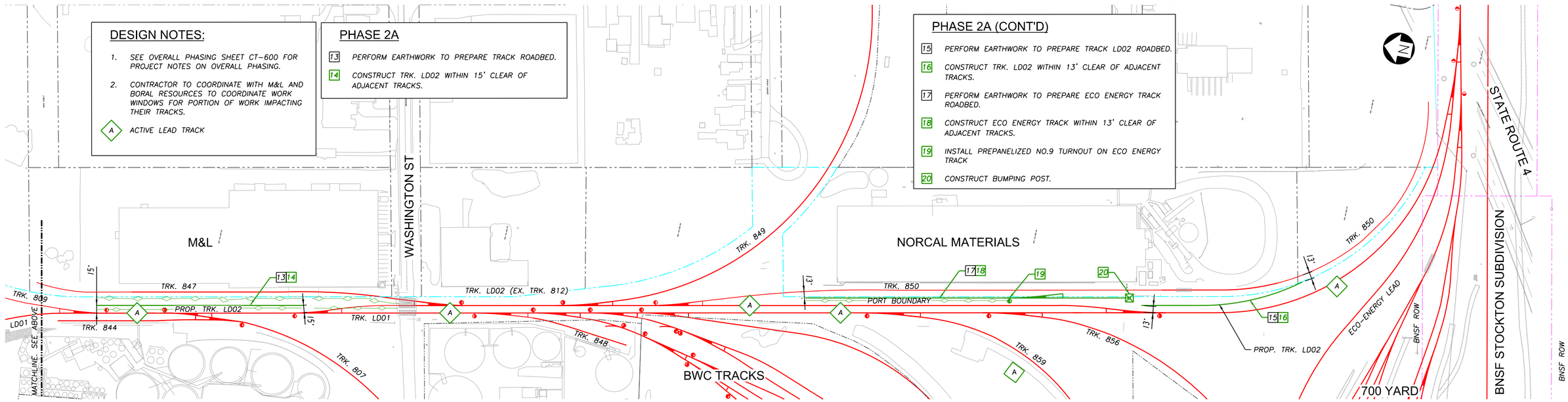
A — ACTIVE LEAD TRACK

PHASE 2A

13. PERFORM EARTHWORK TO PREPARE TRACK ROADBED.
14. CONSTRUCT TRK. LD02 WITHIN 15' CLEAR OF ADJACENT TRACKS.

PHASE 2A (CONT'D)

15. PERFORM EARTHWORK TO PREPARE TRACK LD02 ROADBED.
16. CONSTRUCT TRK. LD02 WITHIN 13' CLEAR OF ADJACENT TRACKS.
17. PERFORM EARTHWORK TO PREPARE ECO ENERGY TRACK ROADBED.
18. CONSTRUCT ECO ENERGY TRACK WITHIN 13' CLEAR OF ADJACENT TRACKS.
19. INSTALL PREPANELIZED NO.9 TURNOUT ON ECO ENERGY TRACK
20. CONSTRUCT BUMPING POST.



0 100 200 300
SCALE FEET
1" = 100'

PHASE 2A: TRACK LD02 IMPROVEMENTS
NO TRACK OUTAGES

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:
	JMA CIVIL 5250 Claremont Ave, Suite 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	HDR 2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

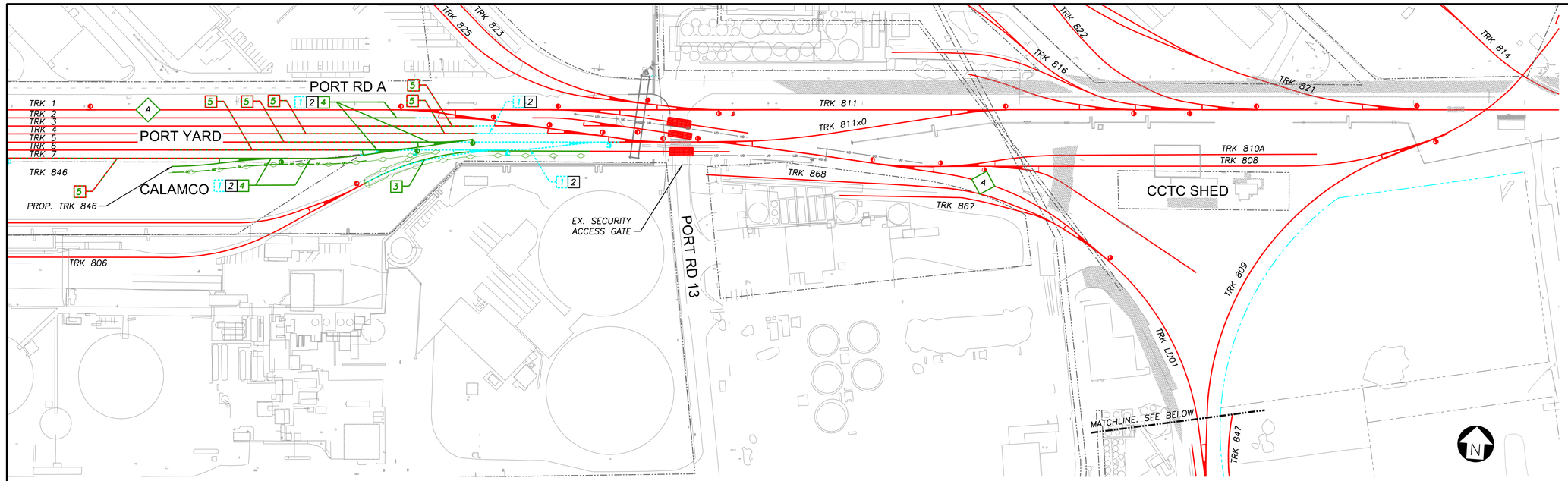
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SHEET TITLE:
DOUBLE TRACK LONG LEAD PHASING PLAN SHEET 1

PROJ NO: 21273	SHEET NO. CT-601
SCALE: AS NOTED	SHEET 60 of 94
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DESIGN NOTES:

1. SEE OVERALL PHASING SHEET CT-600 FOR PROJECT NOTES ON OVERALL PHASING.
2. SEE JMA'S WORK PACKAGE ON PROPOSED RELOCATION AND RAISING OF OVERHEAD PIPELINES FOR PROPOSED PHASING.

A — ACTIVE LEAD TRACK

PHASE 1B

1 — REMOVE PORTIONS OF PORT YARD TRACKS AND TRACK 806.

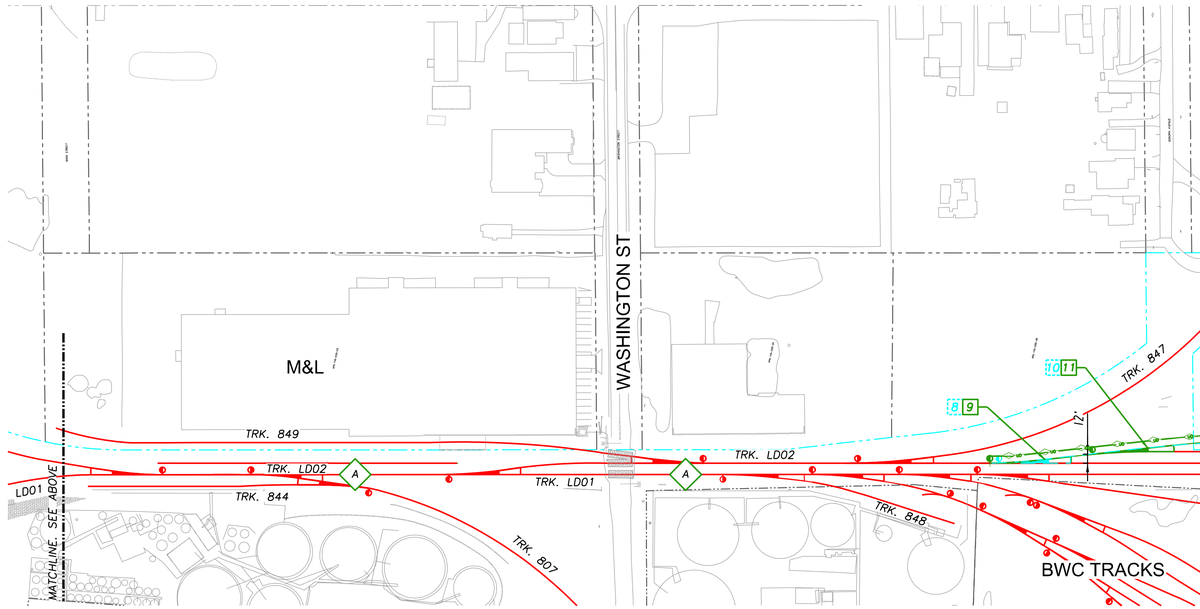
2 — PERFORM EARTHWORK, PREPARE TRACK ROADBED, AND INSTALL TRACK UNDERDRAINS.

3 — INSTALL TRACK 806 AND TIE-IN TO TRACK 806 CONSTRUCTED IN PHASE 1A.

4 — INSTALL TWO PREPANELIZED NO.7 TURNOUTS AND ONE PREPANELIZED NO.9 TURNOUT. RECONSTRUCT TRACKS 2 AND 7.

5 — RELAY TRACKS 3,4,5, 6, AND 7 TO PROPOSED TOP OF RAIL ELEVATIONS.

PHASE 1B: PORT YARD IMPROVEMENTS
LD01 OUTAGE: THURSDAY 5 AM TO MONDAY 5 AM



PHASE 2B

6 — REMOVE PORTION OF TRACK LD02 TO ACCOMMODATE X-OVER.

7 — INSTALL NO.9 RHTO TO COMPLETE INSTALLATION OF X-OVER BETWEEN LD01 AND LD02.

8 — REMOVE EX. NO.7 LHTO CONNECTING TRACK 850 TO LD02.

9 — INSTALL NO.9 LHTO ON LD02 FOR RECONNECTING TRACK 850.

10 — REMOVE PORTION OF EX. TRACK 850.

11 — PERFORM MINOR GRADING TO INSTALL TRACK UNDERDRAIN AND RECONSTRUCT TRACK 850.

12 — INSTALL NO.9 LHTO TO COMPLETE INSTALLATION OF X-OVER BETWEEN 850 AND ECO TRK.

PHASE 2B CONT'D

13 — REMOVE SOUTHERN PORTION OF TRACK 850.

14 — INSTALL BUMPING POST ON END OF TRACK 850.

15 — PERFORM EARTHWORK NORTH OF BNSF ROW LIMIT AND PREPARE TRACK ROADBED.

16 — JACK AND BORE NEW CULVERT TO DRAIN TO DITCH WEST OF TRACK LD01.

17 — CONSTRUCT TRACK LD02 AND TIE-IN WITH CONSTRUCTED LD02 TRACK IN PHASE 2A. COORDINATE WITH BNSF CREW ON TYING IN TO LD02 CONSTRUCTION IN BNSF ROW.

PHASE 2B: NORCAL TRACK UPGRADES
LD02 OUTAGE: THURSDAY 5 AM TO MONDAY 5 AM
TRACK 850 OUTAGE: AS NEEDED

SCALE 1" = 100' (0, 100, 200, 300 FEET)

JMA CIVIL
5250 Claremont Ave, Suite 227
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2379 Gateway Oaks, Ste. 200
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T: 916.679.8700
www.hdrinc.com

LICENSED PROFESSIONAL ENGINEER — ARKAPRABHA GHOSH — C91571 — Exp. 09/30/26 — CIVIL ENGINEER — STATE OF CALIFORNIA

SUBCONSULTANT: | SUBCONSULTANT: | PRIME CONSULTANT: | PROFESSIONAL SEAL: | ISSUE:

ISSUED FOR BID
NOT FOR CONSTRUCTION
-
08/31/2026

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

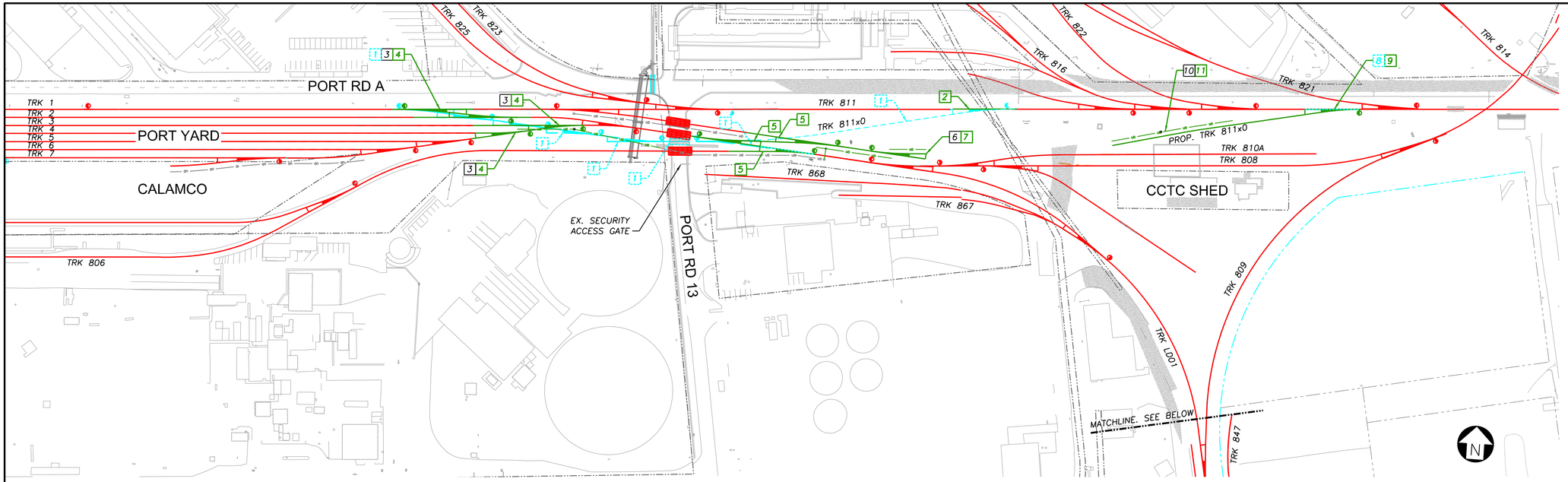
315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:
DOUBLE TRACK LONG LEAD PHASING PLAN SHEET 2

PROJ NO: 21273	SHEET NO. CT-602
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 61 of 94

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HammadSadiq
8/17/2026 - 4:43:43 PM - pw://JMA-PW-APP.jmadk8.com:JMA-PW/Documents/Projects/21273-HDRPGS/Rail/Sheets/LLD1/CT-602 Port Lead Phase 2.dgn



PHASE 1C: REESTABLISH PORT YARD
LD01 & LD02 OUTAGE: THURSDAY 5 AM TO MONDAY 5 AM

DESIGN NOTES:

1. SEE OVERALL PHASING SHEET CT-600 FOR PROJECT NOTES ON OVERALL PHASING.
2. SEE JMA'S WORK PACKAGE ON PROPOSED RELOCATION AND RAISING OF OVERHEAD PIPELINES FOR PROPOSED PHASING.

A — ACTIVE LEAD TRACK

PHASE 1C

1 — REMOVE SIX PORT YARD TURNOUTS, CROSSING SURFACE ON PORT RD 13 AND TRACK 811X0.

2 — RECONSTRUCT PORTION OF TRK 811.

3 — PERFORM MINOR GRADING WEST OF PORT RD 13 TO ESTABLISH TRACK ROADBED AND INSTALL TRACK UNDERDRAINS.

4 — INSTALL PREPANELIZED TWO NO.9 AND TWO NO.7 TURNOUTS WEST OF PORT ROAD 13 AND REESTABLISH CONNECTION TO PORT YARD TRACKS.

5 — INSTALL PREPANELIZED NO.9 X-OVER BETWEEN LD01 AND LD02 AND ONE PREPANELIZED NO.7 TURNOUT TO RECONNECT TRACK 806 TO LD01.

6 — PERFORM MINOR GRADING EAST OF PORT RD 13 TO ESTABLISH TRACK ROADBED AND INSTALL TRACK UNDERDRAINS.

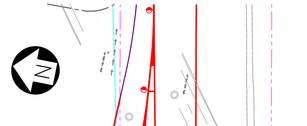
7 — INSTALL PORTION OF TRK LD02 AND PREPANELIZED NO.7 LHTO.

8 — REMOVE PORTION OF TRACK 811.

9 — INSTALL PREPANELIZED NO.9 LHTO ON TRACK 811.

10 — PERFORM EARTHWORK TO ESTABLISH TRACK ROADBED AND INSTALL TRACK UNDERDRAINS.

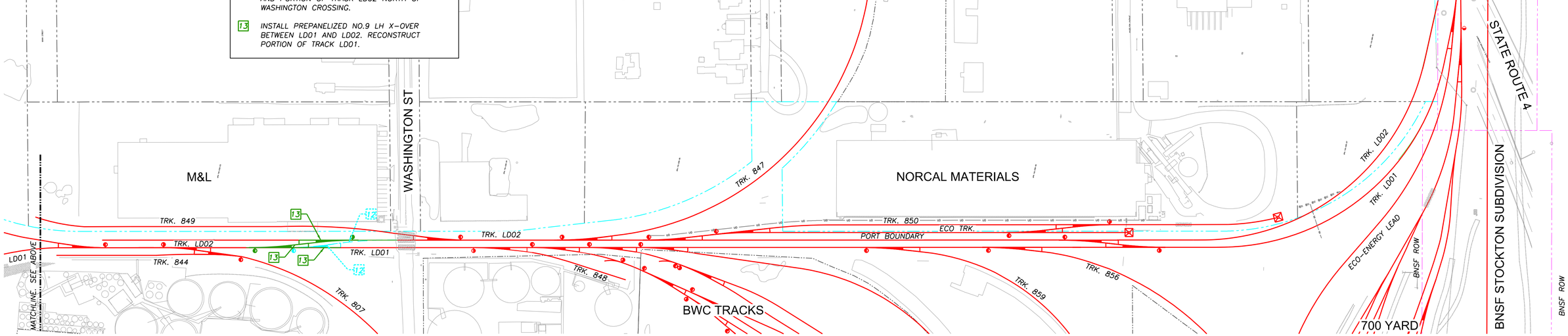
11 — INSTALL NEW TRACK 811x0.



PHASE 2C

12 — REMOVE EXISTING NO.7 LHTO ON TRACK LD01 AND PORTION OF TRACK LD02 NORTH OF WASHINGTON CROSSING.

13 — INSTALL PREPANELIZED NO.9 LH X-OVER BETWEEN LD01 AND LD02. RECONSTRUCT PORTION OF TRACK LD01.



PHASE 2C: WASHINGTON NORTH X-OVER
LD01 & LD02 OUTAGE: THURSDAY 5 AM TO MONDAY 5 AM

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	REVISIONS:
	JMA CIVIL 5250 Claremont Ave, Suite 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	HDR 2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com	LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA	ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026	0 — 08/31/2026 — ISSUED FOR BID MARK — DATE — DESCRIPTION

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

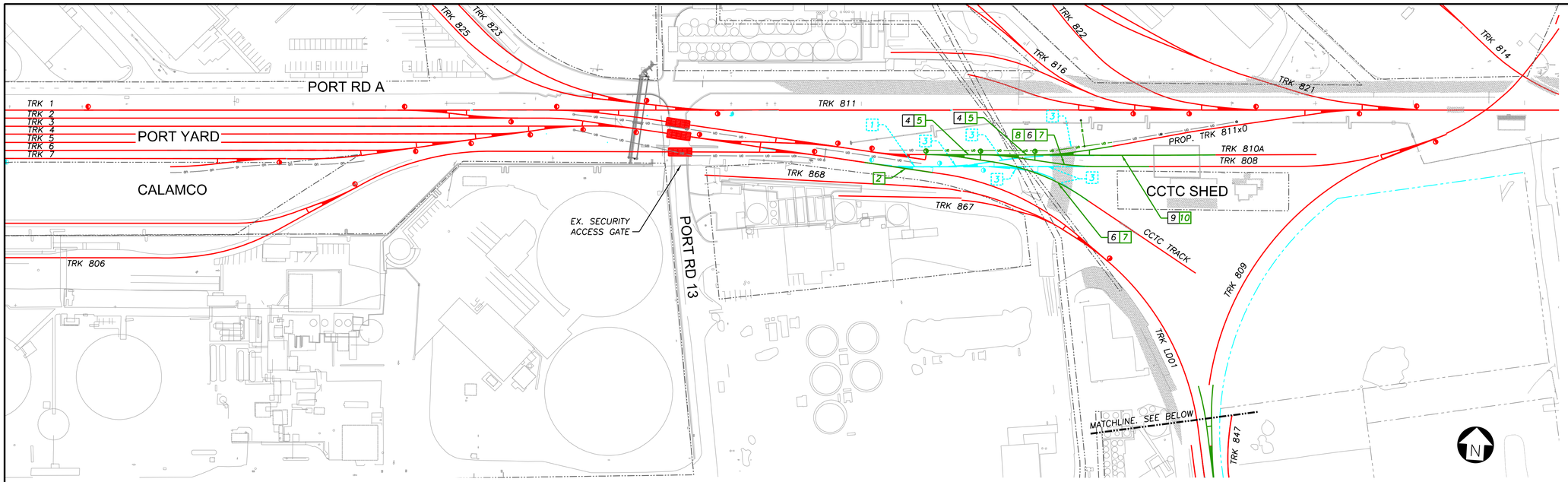
SHEET TITLE:
DOUBLE TRACK LONG LEAD PHASING PLAN SHEET 3

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO. CT-603
SHEET 62 of 94

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DESIGN NOTES:

1. SEE OVERALL PHASING SHEET CT-600 FOR PROJECT NOTES ON OVERALL PHASING.
2. SEE JMA'S WORK PACKAGE ON PROPOSED RELOCATION AND RAISING OF OVERHEAD PIPELINES FOR PROPOSED PHASING.

A — ACTIVE LEAD TRACK

PHASE 1D

1 — REMOVE EXISTING NO.9 LHTO ON TRACK LD01.

2 — RECONSTRUCT AND ACTIVATE TRACK LD01.

3 — REMOVE TWO EXISTING CCTC TURNOUTS, EXISTING PRIVATE CROSSING, AND PORTIONS OF CCTC TRACK, TRK 808, AND TRK 810A.

4 — PERFORM EARTHWORK TO ESTABLISH TRACK ROADBED AND INSTALL TRACK UNDERDRAIN.

5 — INSTALL TWO PREPANELIZED NO.7 HTTOs AND PORTIONS OF CCTC TRACKS WEST OF EXISTING CROSSING.

6 — REESTABLISH A CROSSING SURFACE FOR THE NEW CCTC TRACKS.

7 — CONSTRUCT NEW ASPHALT CROSSING.

8 — INSTALL NEW CCTC TRACKS THROUGH NEW CROSSING.

9 — PERFORM EARTHWORK AND SITE CIVIL WORK TO ESTABLISH TRACK ROADBED AND PAVING AROUND TRACKS.

10 — RECONSTRUCT CCTC TRACKS AND TIE-IN TO EXISTING CCTC TRACKS TO RESTORE CONNECTION.

PHASE 1D: CCTC RECONNECTIONS
LD01 OUTAGE: THURSDAY 5 AM TO MONDAY 5 AM

PHASE 2D

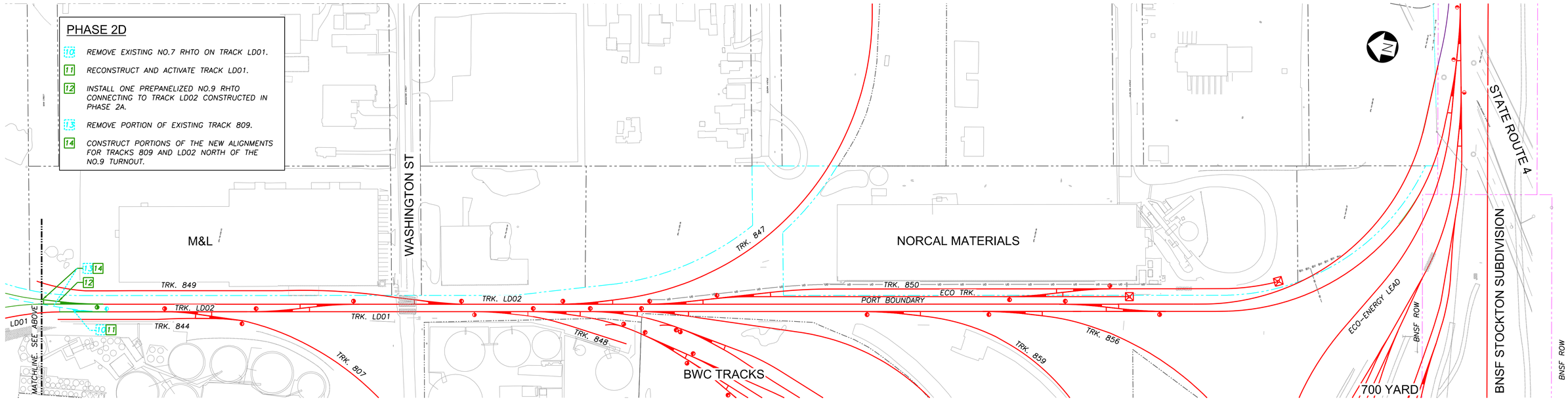
10 — REMOVE EXISTING NO.7 RHTO ON TRACK LD01.

11 — RECONSTRUCT AND ACTIVATE TRACK LD01.

12 — INSTALL ONE PREPANELIZED NO.9 RHTO CONNECTING TO TRACK LD02 CONSTRUCTED IN PHASE 2A.

13 — REMOVE PORTION OF EXISTING TRACK 809.

14 — CONSTRUCT PORTIONS OF THE NEW ALIGNMENTS FOR TRACKS 809 AND LD02 NORTH OF THE NO.9 TURNOUT.



PHASE 2D: INSTALL TRACK 809 TURNOUT
OUTAGE: THURSDAY 5 AM TO MONDAY 5 AM

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5250 Claremont Ave, Suite 227
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HDR
2379 Gateway Oaks, Ste. 200
Sacramento, CA 95833
T: 916.679.8700
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08/31/2026
ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

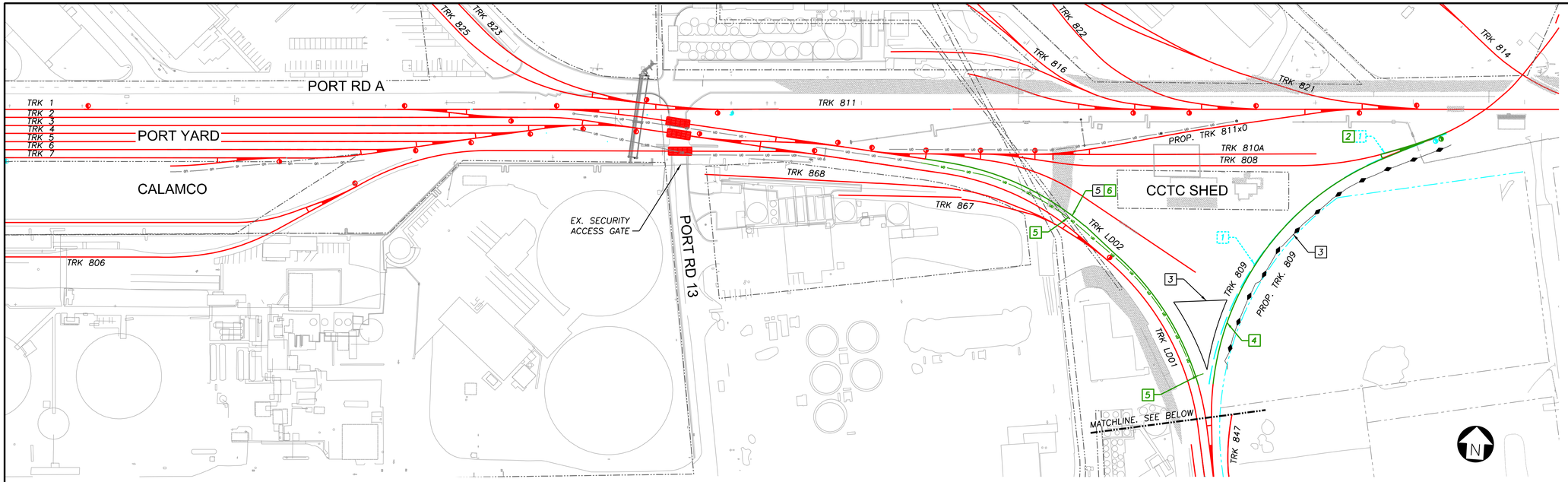
315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:
DOUBLE TRACK LONG LEAD PHASING PLAN SHEET 4

PROJ NO: 21273	SHEET NO. CT-604
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 63 of 94

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8/17/2026 - 4:40:46 PM - pw://JMA-PW-APP.jmadk8.com:JMA-PW/Documents/Projects/21273-HDRPGS/Rail/Sheets/LLD1/CT-604 Port Lead Phase 4.dgn



DESIGN NOTES:

1. SEE OVERALL PHASING SHEET CT-600 FOR PROJECT NOTES ON OVERALL PHASING.
2. SEE JMA'S WORK PACKAGE ON PROPOSED RELOCATION AND RAISING OF OVERHEAD PIPELINES FOR PROPOSED PHASING.

A — ACTIVE LEAD TRACK

PHASE 1E

1 — REMOVE EXISTING TRACK 809 AND EXISTING NO.9 RHTO CONNECTING TO CCTC YARD.

2 — PERFORM MINOR GRADING AND INSTALL PREPANELIZED NO.9 RHTO TO REESTABLISH CONNECTION TO CCTC YARD.

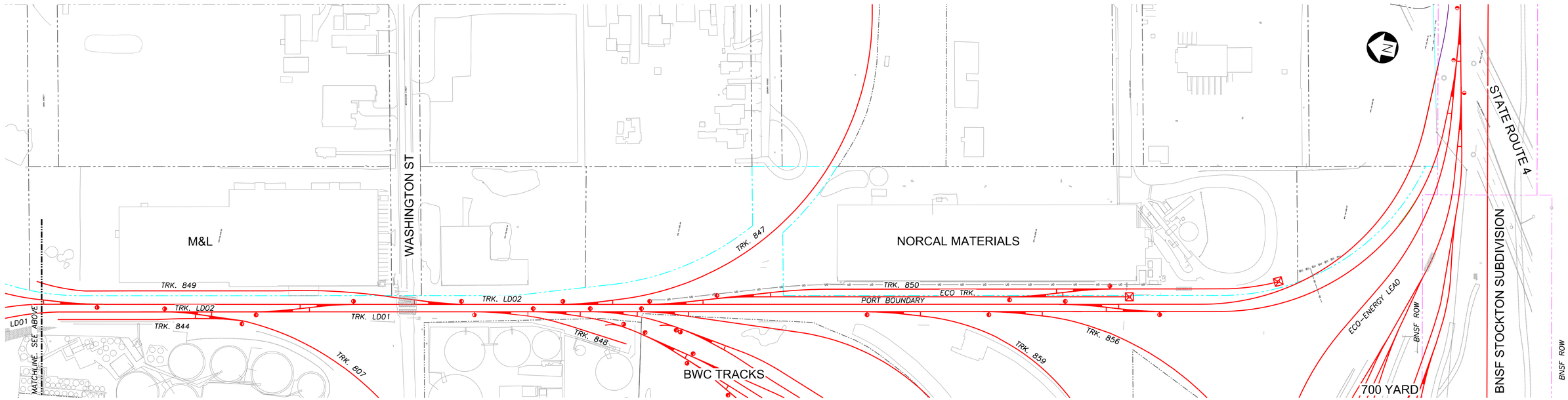
3 — PERFORM EARTHWORK AND PREPARE TRACK ROADBED ALONG TRACK 809 EMBANKMENT AND GRADE NEW CCT BASIN BETWEEN TRACKS LD02 AND 809.

4 — CONSTRUCT TRACK 809 AND TIE IN TO NEW TURNOUT AND TRACK 809 CONSTRUCTED IN PHASE 2D.

5 — PERFORM EARTHWORK AND PREPARE TRACK ROADBED FOR TRACK LD02 AND INSTALL TRACK UNDERDRAINS AND CULVERT TO NEW CCT BASIN.

6 — CONSTRUCT NEW TRACK LD02 AND TIE-IN TO TRACKS CONSTRUCTED IN PHASES 1C AND 2D.

PHASE 1E: TRACK 80 REALIGNMENT
NO OUTAGE ON LD01



WASHINGTON APPROACHES FINAL CONDITION

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SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	MARK / DATE / DESCRIPTION

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

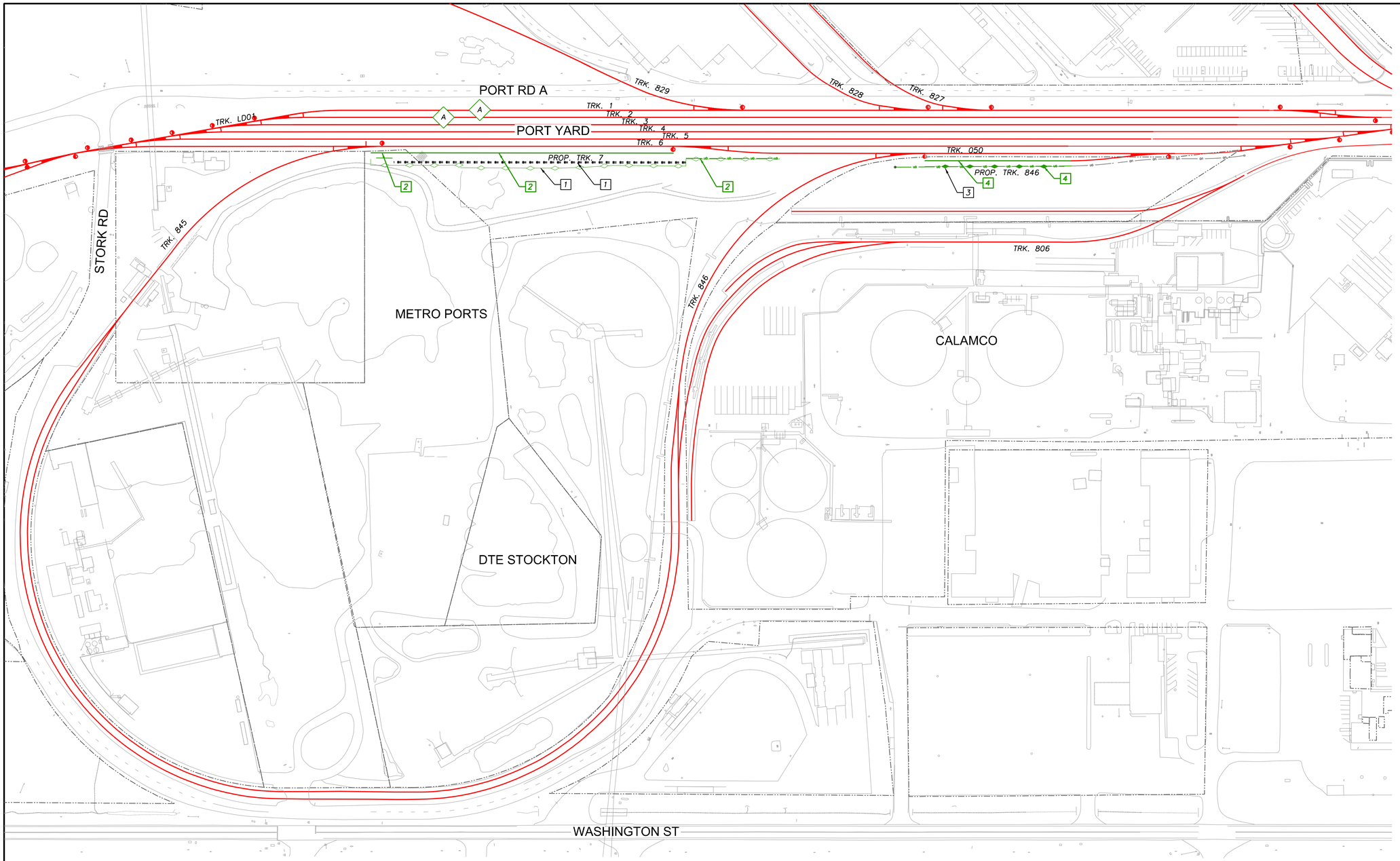
315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:
DOUBLE TRACK LONG LEAD
PHASING PLAN
SHEET 5

PROJ NO: 21273	SHEET NO. CT-605
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 64 of 94

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8/17/2026 - 4:47:25 PM - pw://JMA-PW.eFP.JmacMK.com/JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD1/CT-605 Port Lead Phase 5.dgn



DESIGN NOTES:

1. SEE OVERALL PHASING SHEET CT-600 FOR PROJECT NOTES ON OVERALL PHASING.
2. CONTRACTOR TO COORDINATE WITH METRO PORTS ON THEIR EXISTING UNIT TRAIN OPERATIONS ON THE LOOP TRACKS OF 845 AND 846 AND PREPARE A WORK PLAN TO CONSTRUCT IMPROVEMENTS WITHIN A WINDOW WHEN NO UNIT TRAINS ARE EXPECTED.

A — ACTIVE LEAD TRACK

PHASE 3A

1 — PERFORM EARTHWORK TO PREPARE TRACK ROADBED AND GRADE TRACKSIDE V-DITCH.

2 — INSTALL TRK. 7 WITHIN 13' CLR. OF ADJACENT TRACKS AND TRACK UNDERDRAINS WITH CLEANOUTS.

3 — PERFORM EARTHWORK TO PREPARE TRACK ROADBED.

4 — INSTALL TRK. 846 WITHIN 13' CLR. OF TRK. 050 AND TRACK UNDERDRAINS WITH CLEANOUTS. TIE IN TO IMPROVEMENTS CONSTRUCTED IN PHASE 1B.

PHASE 3A: TRACK 7 CONSTRUCTION
NO TRACK OUTAGE

N

0 100 200 300
SCALE FEET
1" = 100'

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8/17/2026 - 4:48:39 PM - pw://JMA-PW-APP.jmackfl.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD7/CT-611 Port Yard Phasing-1.dgn

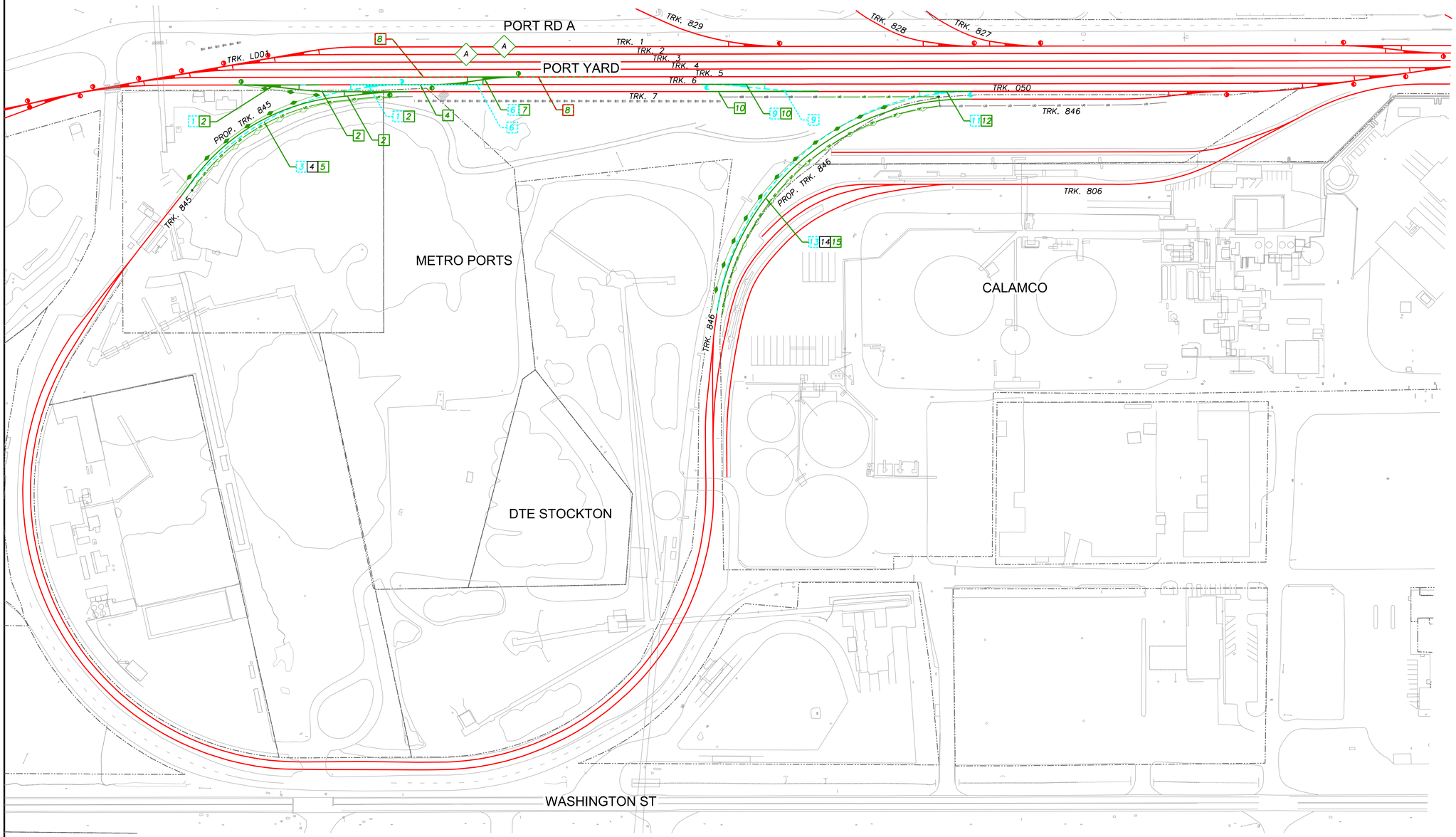
	JMA CIVIL 5250 Claremont Ave, Suite 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	HDR 2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com	LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA	ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026	REVISIONS: 0 08/31/2026 ISSUED FOR BID MARK DATE DESCRIPTION	PORT OF STOCKTON CALIFORNIA	PORT OF STOCKTON LONG LEAD DOUBLE TRACK 315 W FYFFE STREET STOCKTON, CA 95203
SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:			

SHEET TITLE:
DOUBLE TRACK LONG LEAD
PHASING PLAN
PORT YARD

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO. CT-611
SHEET 65 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING



DESIGN NOTES:

1. SEE OVERALL PHASING SHEET CT-600 FOR PROJECT NOTES ON OVERALL PHASING.
2. CONTRACTOR TO COORDINATE WITH METRO PORTS ON THEIR EXISTING UNIT TRAIN OPERATIONS ON THE LOOP TRACKS OF 845 AND 846 AND PREPARE A WORK PLAN TO CONSTRUCT IMPROVEMENTS WITHIN A WINDOW WHEN NO UNIT TRAINS ARE EXPECTED.

A — ACTIVE LEAD TRACK

PHASE 3B

1. REMOVE EX. TURNOUT TO TRK. 845 & PORTION OF EX. TRK. 6.
2. INSTALL TWO PREPANELIZED TURNOUTS TO CONNECT TRACK 7 TO TRACK 6 AND TRACK 7 TO TRACK 845.
3. REMOVE PORTION OF TRK. 845.
4. PERFORM EARTHWORK TO PREPARE NEW TRACK ROADBED.
5. CONSTRUCT NEW TRK. 845 AND CONNECT TO EX. TRK. 845 AND UNDERDRAINS WITH CLEANOUTS.
6. REMOVE PORTION OF TRACK 6 AND TRACK 5.
7. INSTALL PREPANELIZED NO. 7 X-OVER BETWEEN TRACKS 5 AND 6.
8. RELAY TRK. 5 TO ACCOMODATE NEW X-OVER TO TRK. 6.
9. REMOVE EX. TURNOUT ON TRK. 6 TO TRK. 050 AND PORTION OF TRK. 050.
10. RECONSTRUCT TRK. 6 AND TRK. 7 TO CONNECT TO EX. TRK. 050.
11. REMOVE EX. TURNOUT TO TRK. 846.
12. RECONSTRUCT TRK. 050.
13. REMOVE PORTION OF TRK. 846.
14. PERFORM EARTHWORK TO PREPARE NEW TRACK ROADBED.
15. CONSTRUCT NEW TRK. 846 AND CONNECT TO EX. TRK. 846 AND UNDERDRAINS WITH CLEANOUTS.

N

0 100 200 300
SCALE FEET
1" = 100'

PHASE 3B: COAL LOOP RECONNECTION
PORT YARD OUTAGE: WEDNESDAY 11:30 PM TO MONDAY 5 AM

SUBCONSULTANT:

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Sacramento, CA 95833
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08/31/2026
ISSUE:

REVISIONS:

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95203

SHEET TITLE:
DOUBLE TRACK LONG LEAD
PHASING PLAN
PORT YARD

PROJ NO: 21273	SHEET NO. CT-612
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 66 of 94

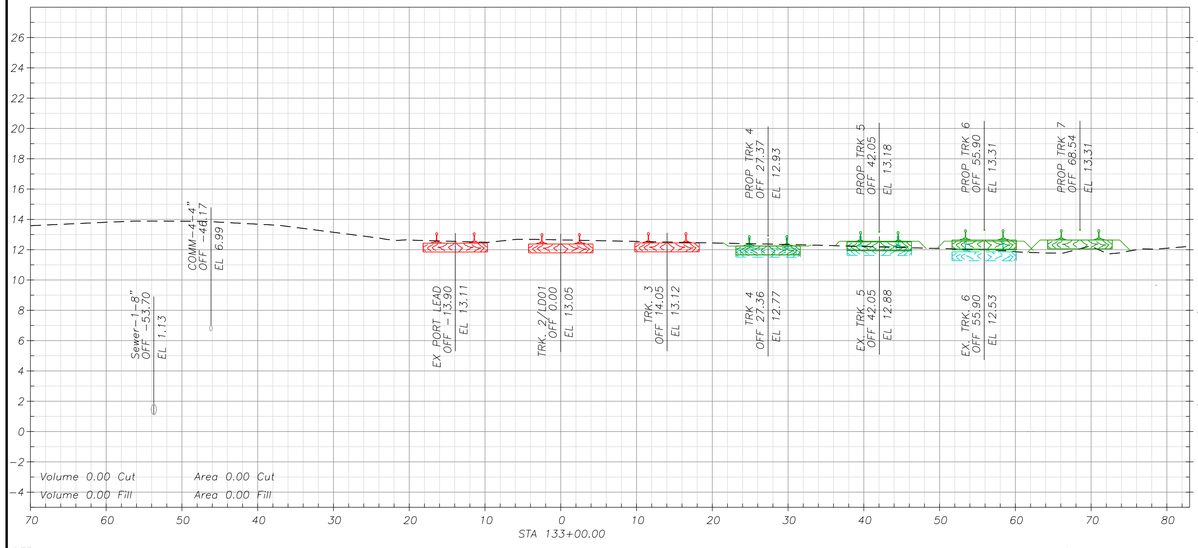
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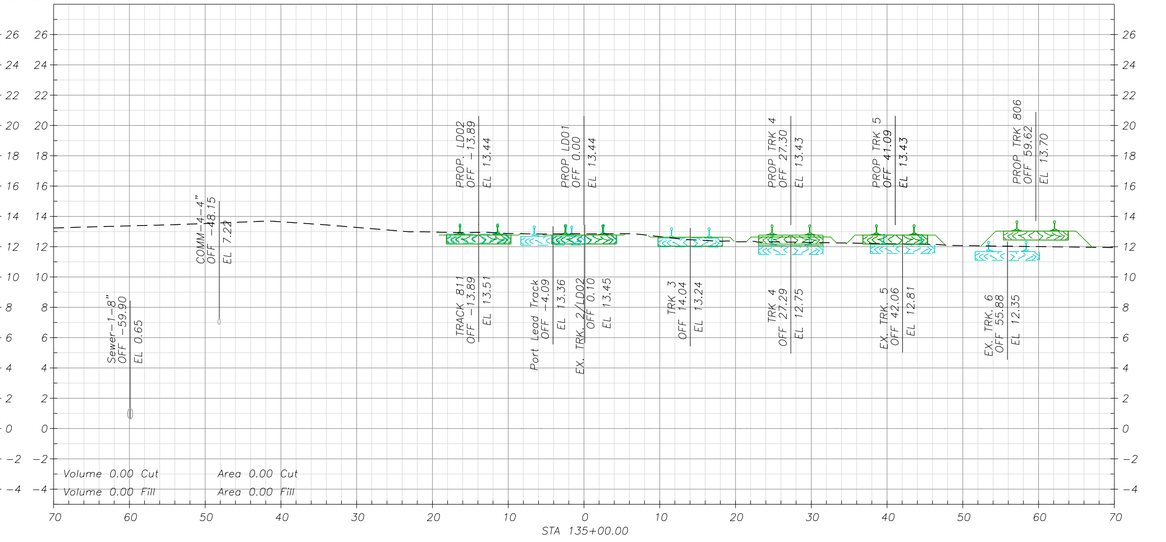
HammadSadiq
8/17/2026 - 4:48:27 PM - pw://JMA-PW-APP.jmadirit.com:JMA-PW/Documents/Projects/21273-HDRPortSRail/Sheets/LLDT/CT-612 Port Yard Phasing2.dgn

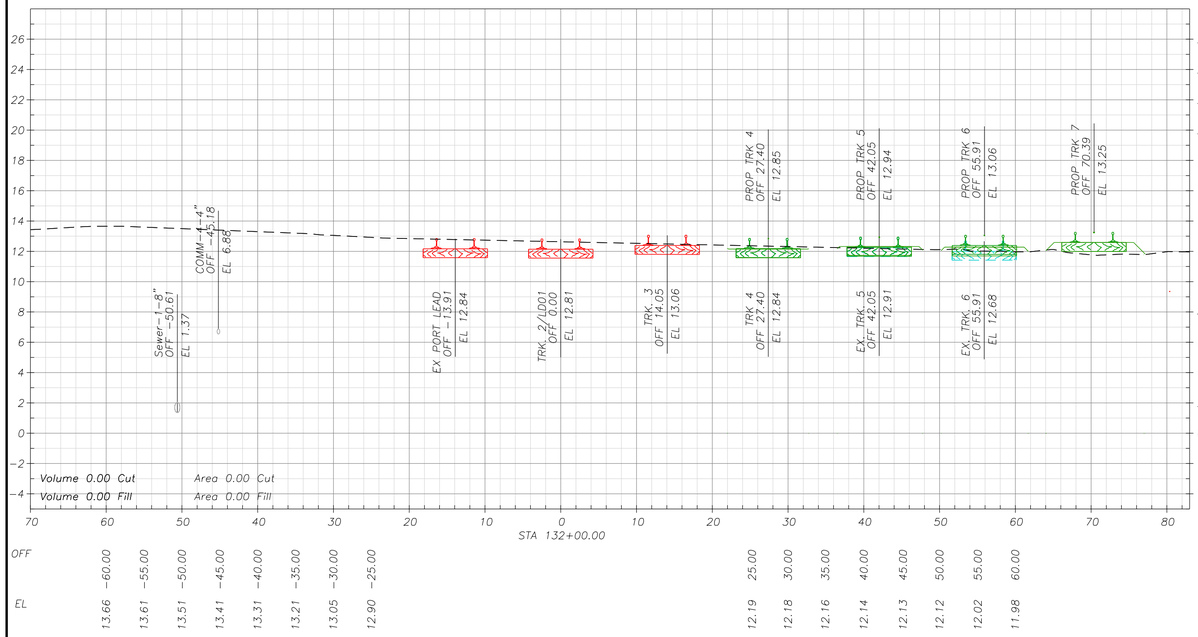
DESIGN NOTES:

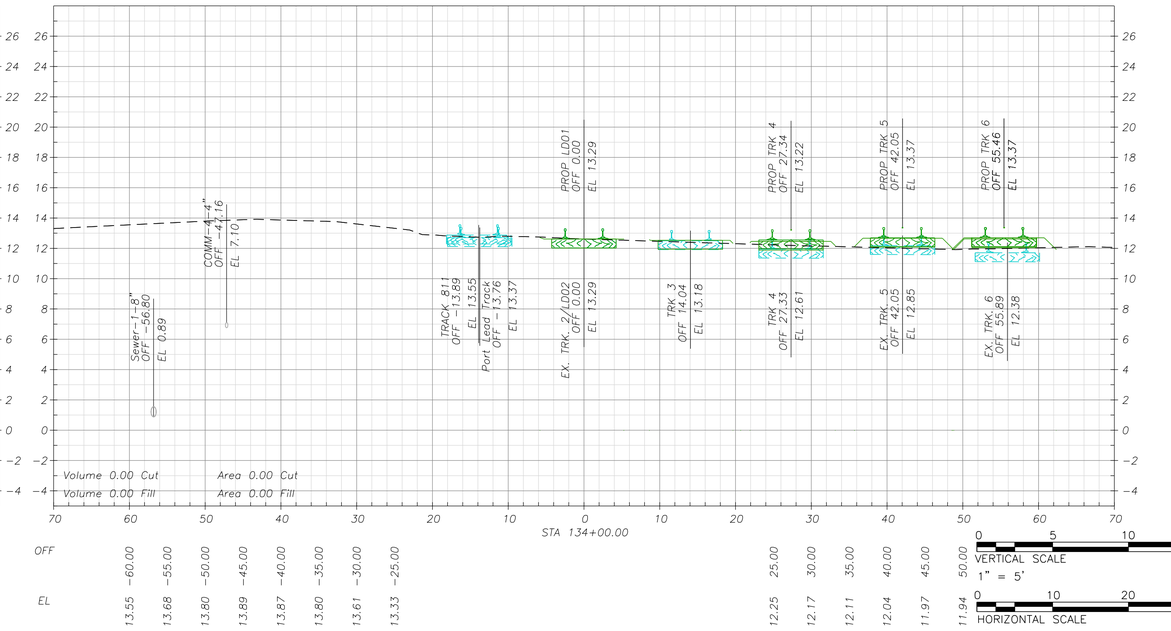
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 1 ON SHEET G-101









VERTICAL SCALE 1" = 5'

HORIZONTAL SCALE 1" = 10'

HammadSadiq
8/29/2026 - 8:33:41 PM - pw://JMA-PW-APP.jmadivit.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD1/CT-800-1

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:
	JMA CIVIL 5250 Claremont Ave, Suite 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	HDR 2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com

PROFESSIONAL SEAL: LICENSED PROFESSIONAL ENGINEER – ARKAPRABHA GHOSH – C91571 – Exp. 09/30/26 – CIVIL ENGINEER – STATE OF CALIFORNIA

ISSUE: ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026

REVISIONS:

MARK	DATE	DESCRIPTION
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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE: LD01 & LD02 CROSS SECTIONS

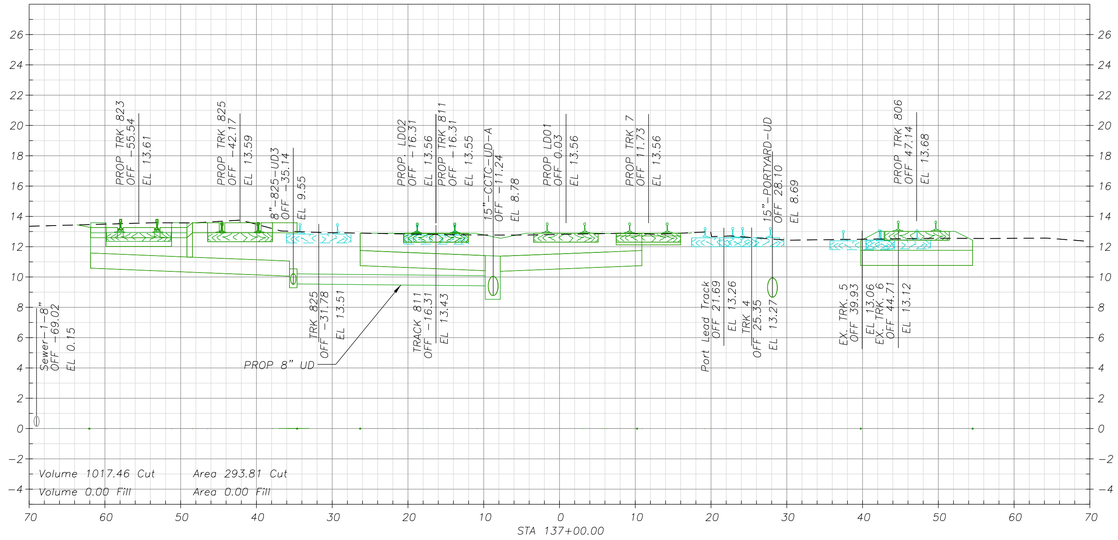
PROJ NO: 21273	SHEET NO. CT-801
SCALE: AS NOTED	SHEET 67 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

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DESIGN NOTES:

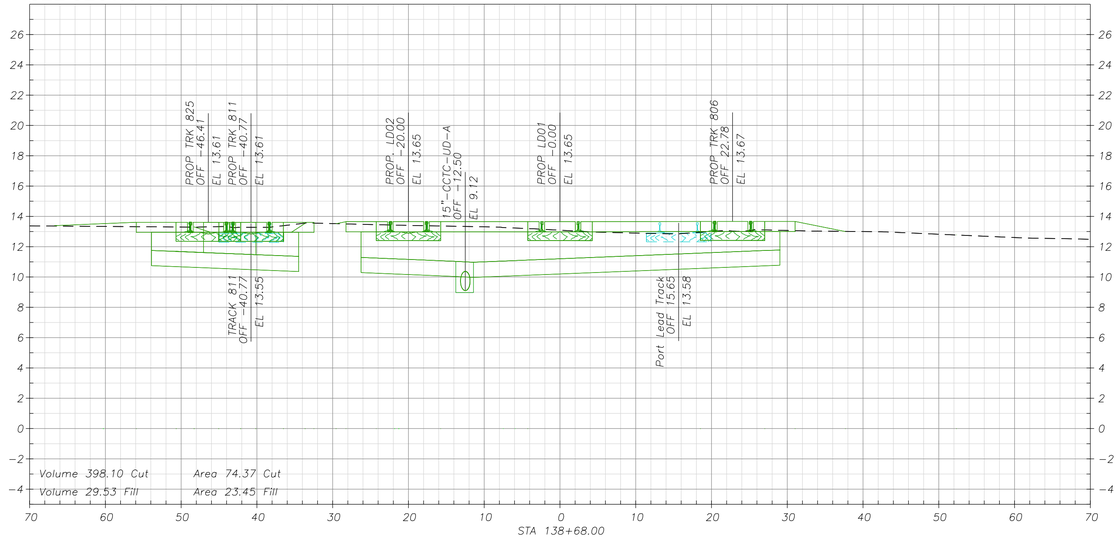
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 2 ON SHEET G-101



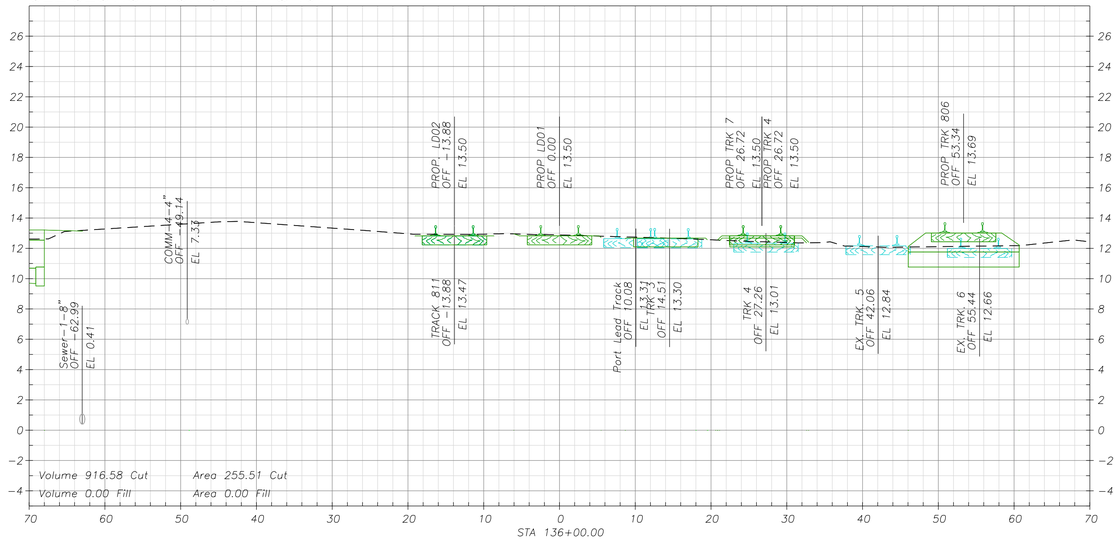
OFF	-61.90	-60.00	-55.00	-50.00	-45.00	-40.00	-35.63	-34.99	-34.63	-29.99	-26.31	-24.98	-9.80	-7.80	10.87	25.02	30.00	35.01	39.76	40.01	45.01	50.00	54.52	55.01	60.01
EL	10.72	13.49	13.56	13.58	13.67	13.48	8.96	13.01	8.96	12.93	10.75	12.87	8.45	8.45	10.75	12.63	12.44	12.40	10.76	12.37	12.39	12.42	10.76	12.44	12.48

SEE SECTION 2 ON SHEET G-103



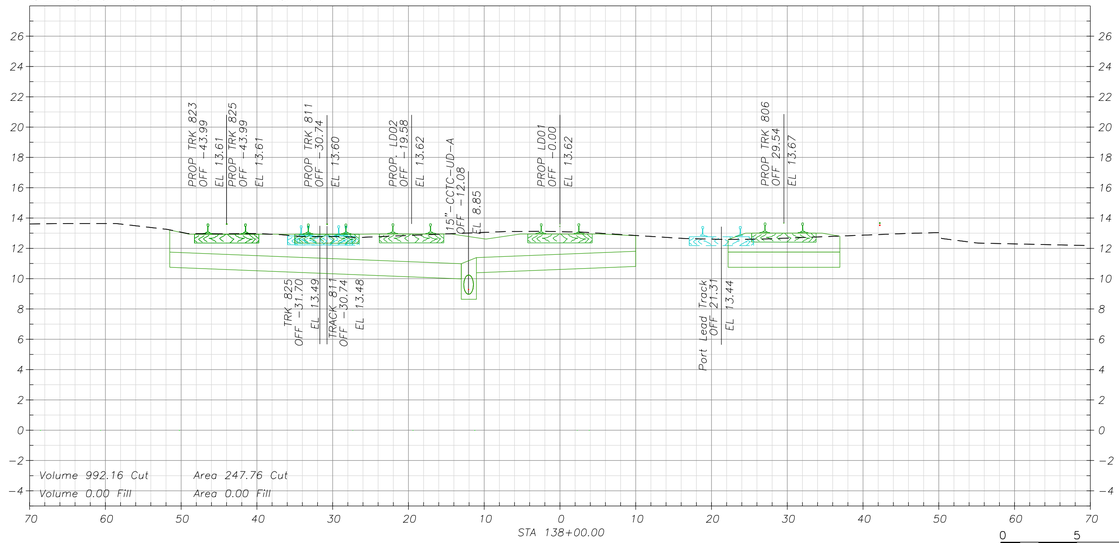
OFF	66.77	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-34.49	-30.00	-26.25	-25.00	-13.75	-11.42	6.25	12.50	15.47	25.00	30.00	29.03	35.00	37.51	40.00	45.00	50.00	55.00	60.00
EL	13.39	13.34	13.32	10.76	13.30	13.33	13.28	13.48	10.37	13.54	10.29	13.47	8.79	8.79	12.99	12.87	10.75	10.75	13.07	10.79	12.97	13.02	13.01	12.96	12.86	12.74	12.62

SEE SECTION 1 ON SHEET G-101



OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-25.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	13.28	13.44	13.59	13.75	13.70	13.52	13.34	13.16	12.46	12.40	12.40	12.13	12.08	12.11	12.14	12.17
													10.77			10.77

SEE SECTION 2 ON SHEET G-101



OFF	-60.00	-55.00	-51.50	-50.00	-45.00	-40.00	-37.16	-35.00	-30.00	-30.00	-25.00	-13.04	-11.04	10.00	10.00	22.18	25.00	30.00	35.00	36.95	40.00	45.00	50.00	55.00
EL	13.65	13.44	10.76	13.07	12.97	12.98	11.36	12.83	12.78	10.81	12.90	8.52	8.52	10.81	10.75	12.61	12.70	12.82	10.75	12.89	12.95	13.03	12.35	

VERTICAL SCALE 1" = 5'
HORIZONTAL SCALE 1" = 10'

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	REVISIONS:
	JMA CIVIL 5250 Claremont Ave, Suite 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	HDR 2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com	LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA	ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026	MARK / DATE / DESCRIPTION 0 / 08/31/2026 / ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

LD01 & LD02 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-802
SCALE: AS NOTED	SHEET 68 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

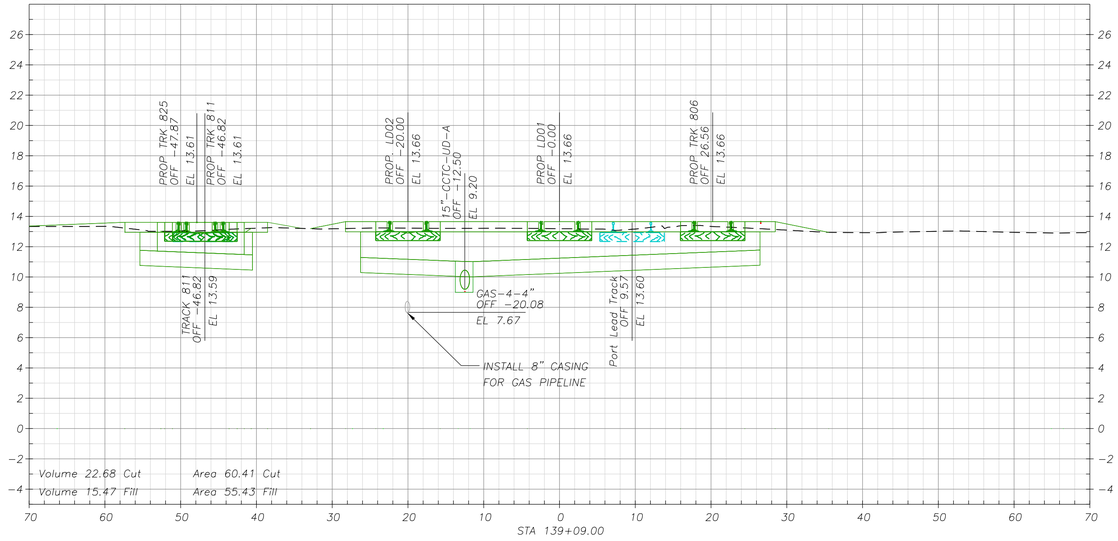
IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSadiq
8/30/2026 - 9:10:18 PM - pw://JMA-PW-APP.jmadvit.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD/TCT-800-1

DESIGN NOTES:

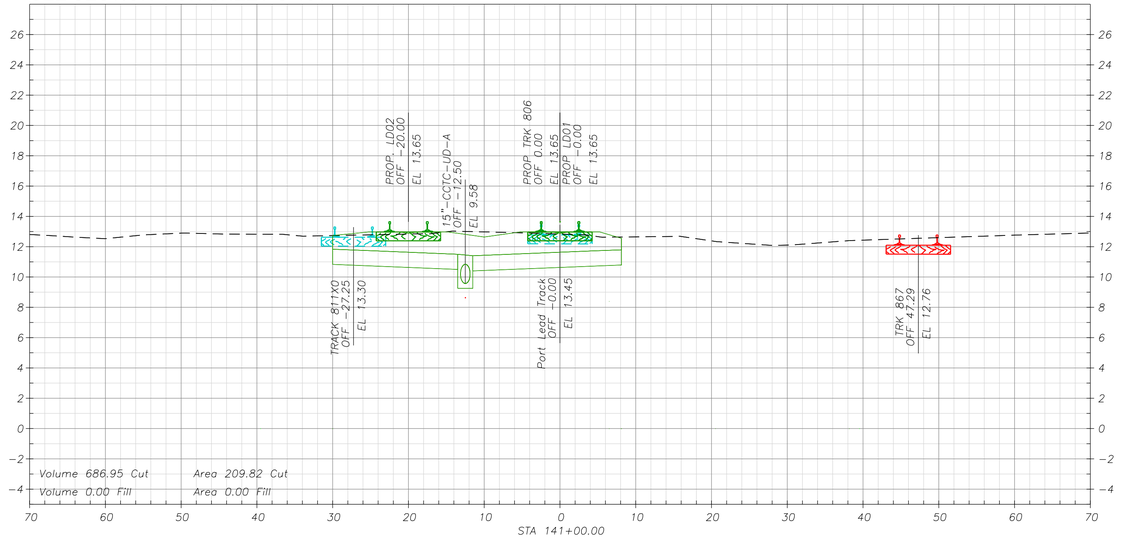
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 2 ON SHEET G-103



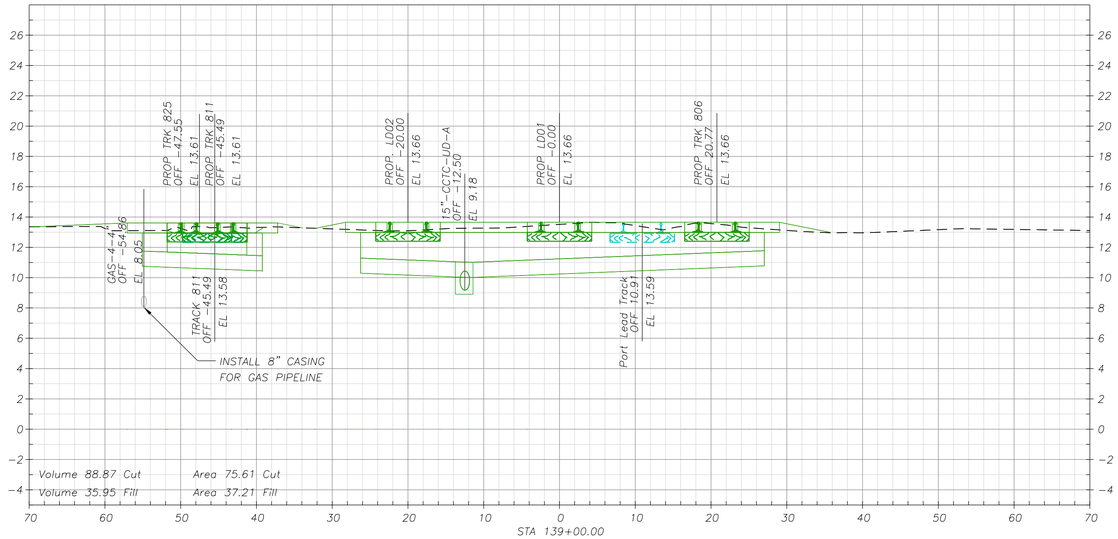
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EL	13.37	13.35	10.76	13.10	13.03	13.14	10.47	13.23	13.23	13.22	13.20	13.16	10.30	13.08	8.87	8.87	13.22	10.79	13.10	12.96	12.96	12.94	12.97	13.02	13.01	12.95

SEE SECTION 4 ON SHEET G-101



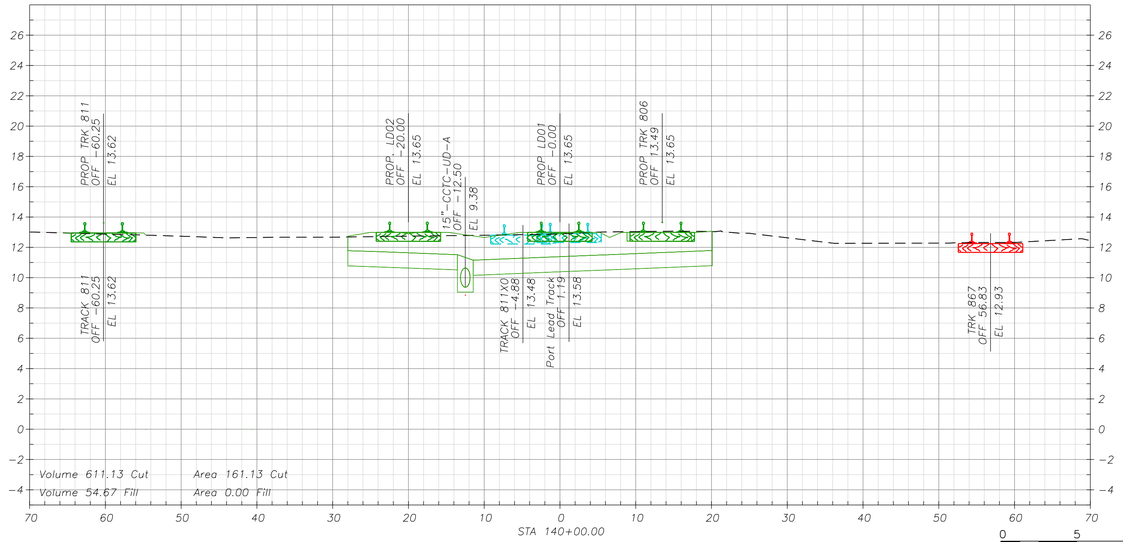
OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-30.00	-25.00	-13.50	-11.50	8.09	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	12.53	12.78	12.90	12.84	12.83	12.75	12.74	10.84	12.79	9.25	9.25	10.80	12.20	12.09	12.28	12.39	12.35	12.33	12.46	12.58

SEE SECTION 2 ON SHEET G-103



OFF	69.89	-60.00	-55.05	-55.00	-50.00	-45.00	-40.00	-39.21	-35.00	-33.83	-32.24	-30.00	-26.25	-25.00	-13.75	-11.42	25.00	27.02	30.00	35.00	35.81	40.00	45.00	50.00	55.00	60.00
EL	13.36	13.25	10.76	13.11	13.26	13.33	13.27	10.45	13.28	13.28	13.26	13.20	10.30	13.13	8.85	8.85	13.29	10.79	13.13	12.98	12.99	12.96	13.06	13.17	13.22	13.21

SEE SECTION 4 ON SHEET G-101



OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-28.00	-25.00	-20.00	-13.53	-11.45	20.11	25.00	30.00	35.00	40.00	45.00	50.00	55.00
EL	12.88	12.82	12.74	12.64	12.84	12.80	12.89	10.75	12.78	10.59	9.05	9.05	10.79	12.76	12.54	12.32	12.27	12.28	12.29	12.32

VERTICAL SCALE 1" = 5'

HORIZONTAL SCALE 1" = 10'

HammadSadiq
8/30/2026 - 9:11:25 PM - pw://JMA-PW-APP.jmadvit.com:JMA-PW/Documents/Projects/21273-HDRPcS/Rail/Sheets/LLD1/CT-800-1

SUBCONSULTANT:	SUBCONSULTANT: JMA CIVIL, 5250 Claremont Ave, Suite 227, Stockton, CA 95207, T: 925.400.4356, www.jmacivil.com	PRIME CONSULTANT: HDR, 2379 Gateway Oaks, Ste. 200, Sacramento, CA 95833, T: 916.679.8700, www.hdrinc.com	PROFESSIONAL SEAL: LICENSED PROFESSIONAL ENGINEER, ARKAPRABHA GHOSH, C91571, Exp. 09/30/26, CIVIL ENGINEER, STATE OF CALIFORNIA	ISSUE: ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026	REVISIONS: 0 / 08/31/2026 / ISSUED FOR BID (MARK / DATE / DESCRIPTION)

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

LD01 & LD02 CROSS SECTIONS

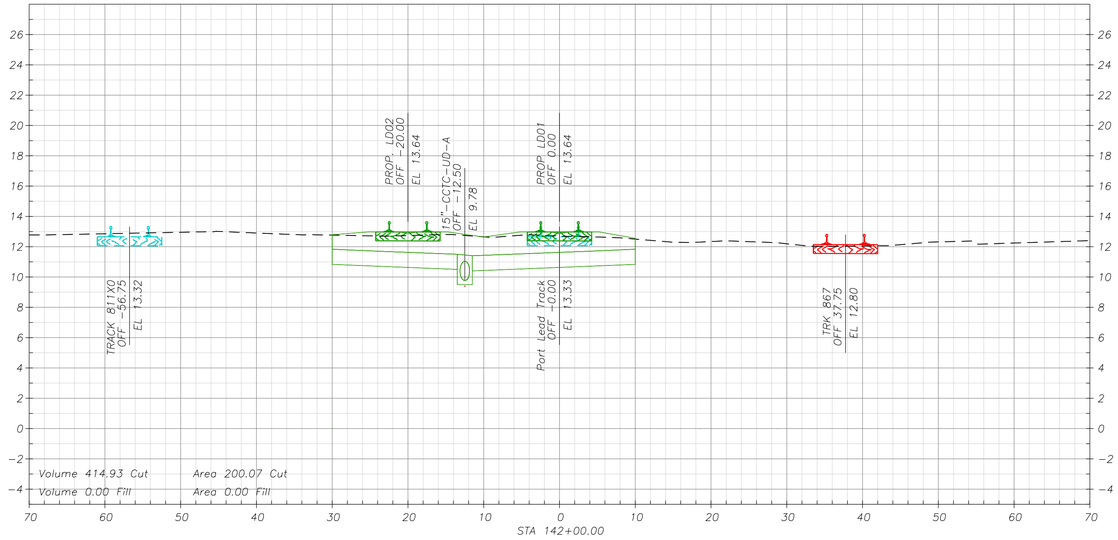
PROJ NO: 21273	SHEET NO. CT-803
SCALE: AS NOTED	SHEET 69 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

DESIGN NOTES:

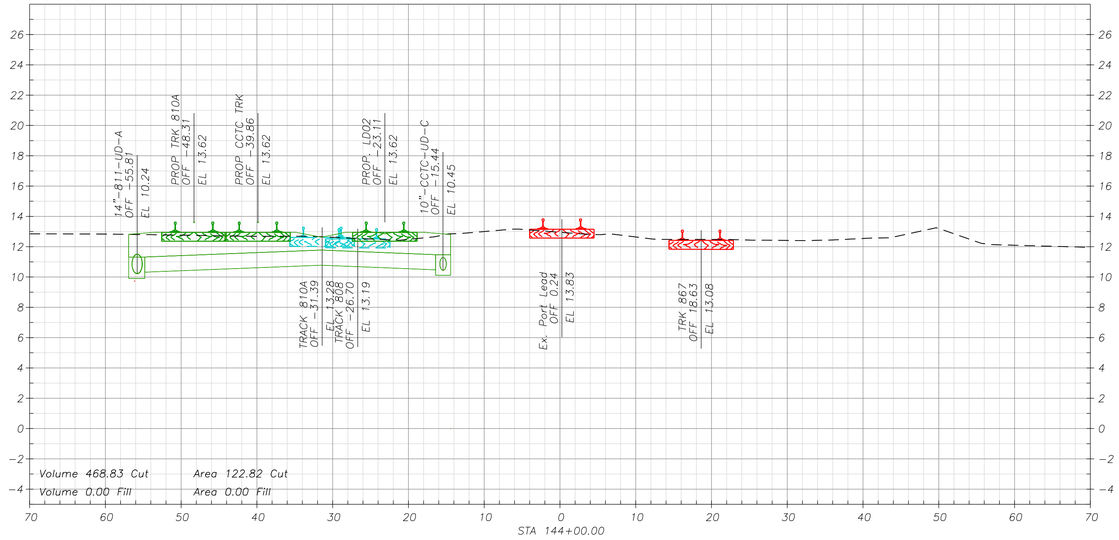
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 4 ON SHEET G-101



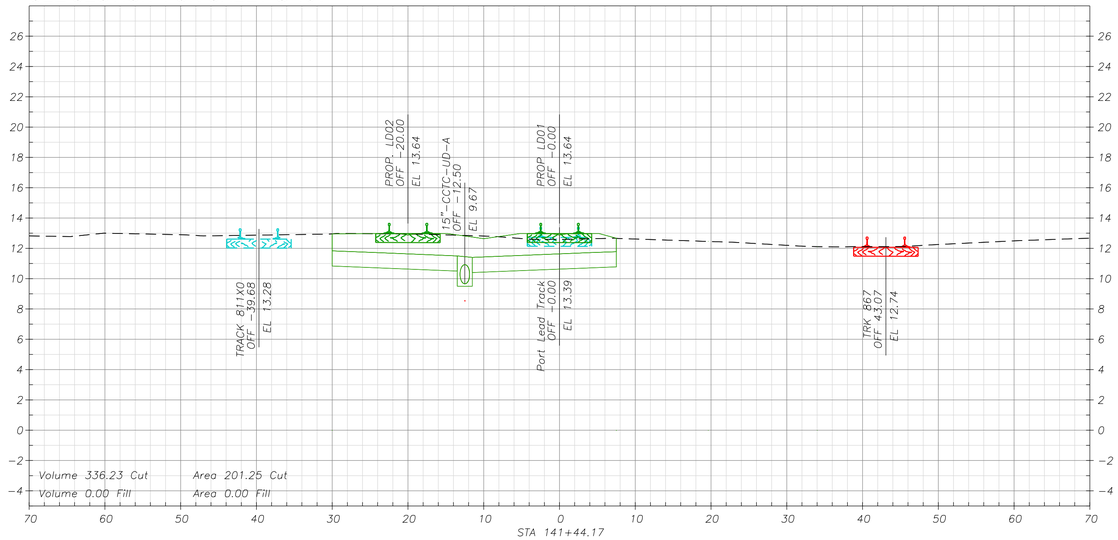
OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-30.00	-25.00	-13.50	-11.50	10.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	12.86	12.91	12.96	13.01	12.91	12.81	12.77	10.83	12.72	9.45	9.45	10.83	12.32	12.20	12.04	12.07	12.14	12.32	12.23	12.25

SEE SECTION 5 ON SHEET G-101



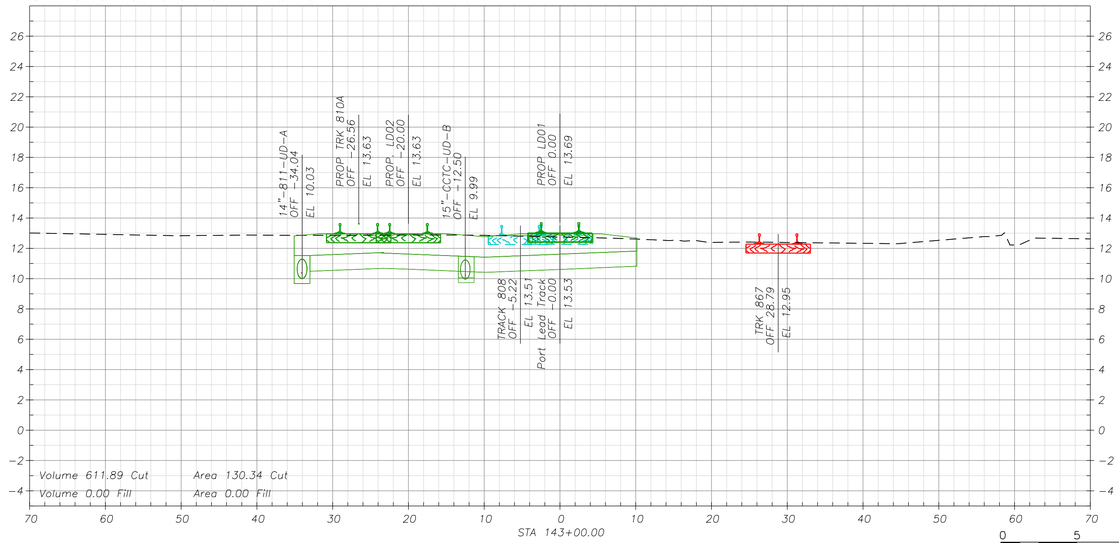
OFF	-60.00	-56.81	-55.00	-54.81	-50.00	-45.00	-40.00	-35.00	-31.54	-30.00	-25.00	-23.10	-16.42	-14.42	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	12.84	9.91	9.41	9.91	12.77	12.73	12.69	12.69	10.79	12.62	12.50	10.62	10.12	10.12	12.44	12.41	12.43	12.49	12.78	13.16	12.30	12.10

SEE SECTION 4 ON SHEET G-101



OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-30.00	-25.00	-13.50	-11.50	7.51	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	13.01	12.96	12.90	12.84	12.88	12.92	12.96	10.84	12.97	9.34	9.34	10.79	12.33	12.17	12.11	12.13	12.15	12.26	12.38	12.51

SEE SECTION 5 ON SHEET G-101



OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.10	-35.00	-33.02	-30.00	-25.00	-23.28	-13.50	-11.50	10.01	25.00	30.00	35.00	40.00	45.00	50.00	55.00
EL	12.92	12.88	12.84	12.86	12.88	9.70	12.87	9.70	12.87	12.87	10.69	9.66	9.66	10.82	12.39	12.41	12.42	12.37	12.33	12.53	12.74

0 5 10 15
VERTICAL SCALE FEET
1" = 5'

0 10 20 30
HORIZONTAL SCALE FEET
1" = 10'

HammadSadiq
8/29/2026 - 8:36:25 PM - pw://JMA-PW-APP.jmadivil.com:JMA-PW/Documents/Projects/21273-HDRProS/Rail/Sheets/LLD/TCT-800-1

SUBCONSULTANT:

JMA CIVIL
5250 Claremont Ave, Suite 227
Stockton, CA 95207
T: 925.400.4356
www.jmacivil.com
SUBCONSULTANT:

HDR
2379 Gateway Oaks, Ste. 200
Sacramento, CA 95833
T: 916.679.8700
www.hdrinc.com
PRIME CONSULTANT:

PROFESSIONAL SEAL:

LICENSED PROFESSIONAL ENGINEER
ARKAPRABHA GHOSH
C91571
Exp. 09/30/26
CIVIL ENGINEER
STATE OF CALIFORNIA

ISSUE:

ISSUED FOR BID
NOT FOR CONSTRUCTION
-
08/31/2026

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

LD01 & LD02 CROSS SECTIONS

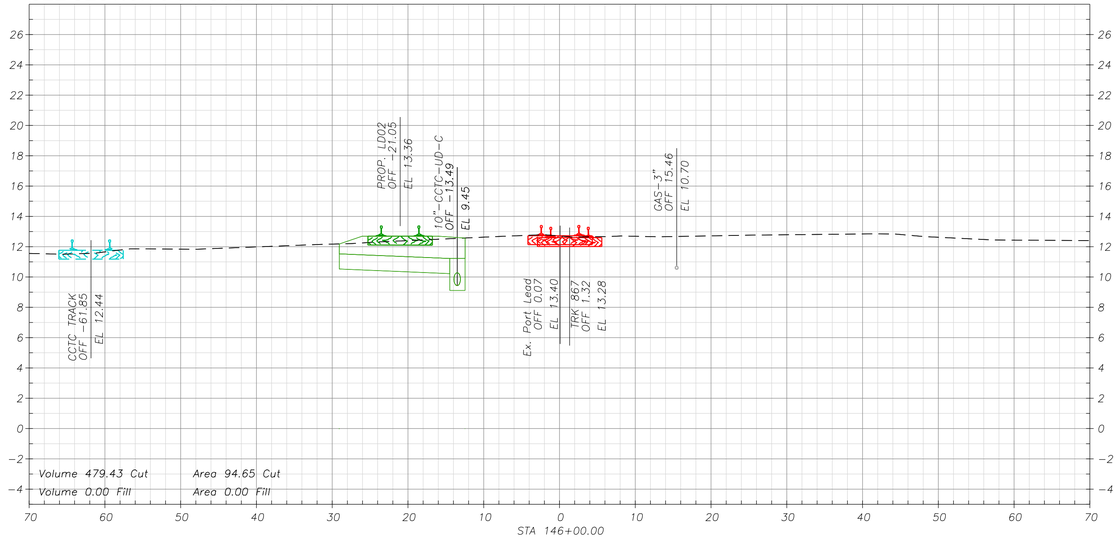
PROJ NO: 21273	SHEET NO.
SCALE: AS NOTED	CT-804
DATE: 08/31/2026	SHEET 70 of 94
DESIGNED BY: AG	

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

DESIGN NOTES:

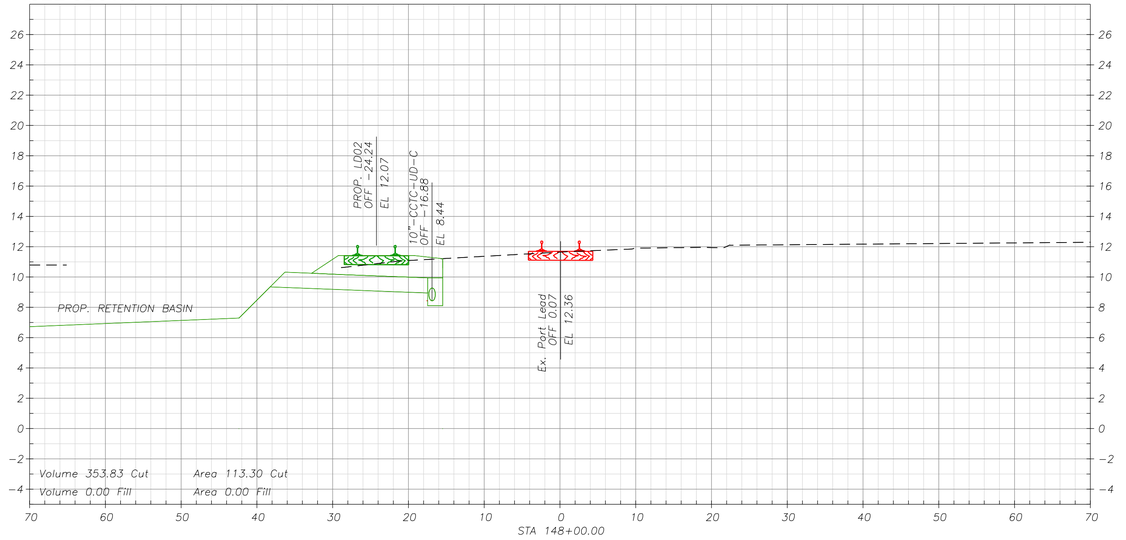
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 6 ON SHEET G-101



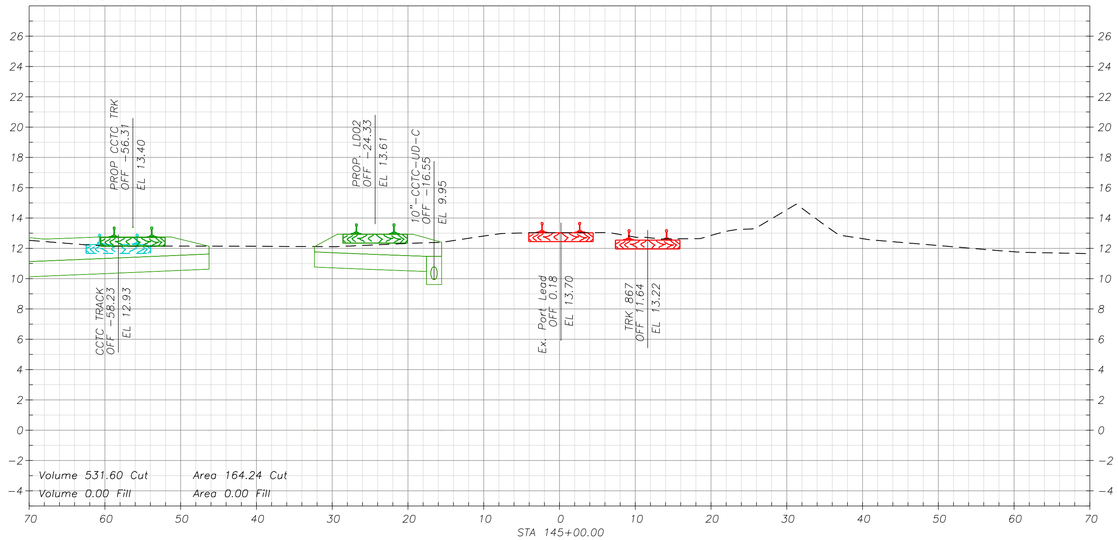
OFF	-59.94	-54.94	-49.94	-44.93	-39.94	-34.92	-29.93	-29.05	-24.94	-14.47	-12.47	25.06	30.07	35.08	40.06	45.06	50.06	55.06	60.06
EL	11.67	11.86	11.85	11.90	11.99	12.09	12.18	10.52	12.29	9.12	9.12	12.76	12.77	12.78	12.78	12.80	12.62	12.49	12.44

SEE SECTION 1 ON SHEET G-102



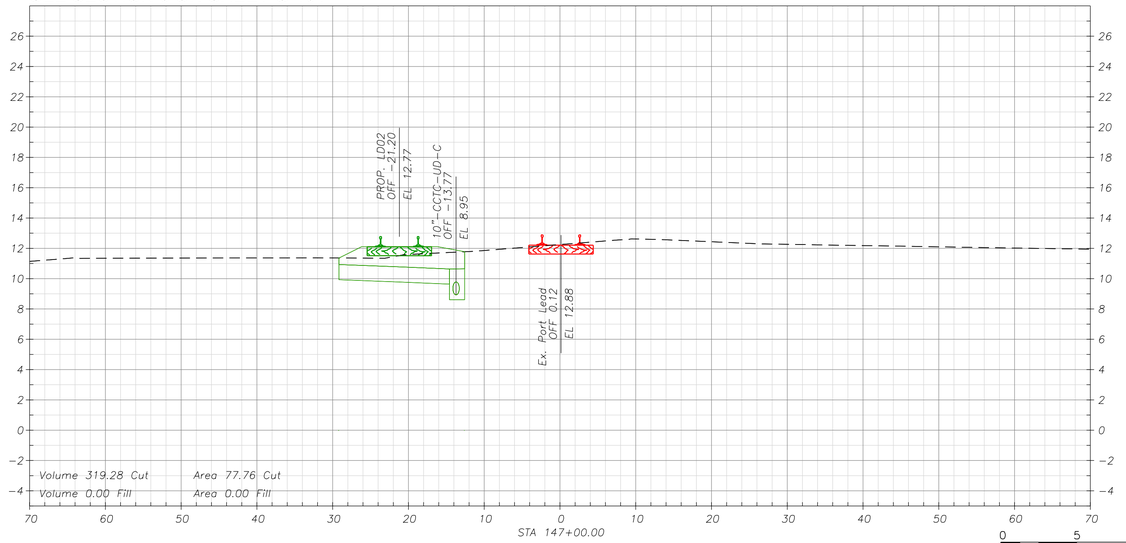
OFF	-42.35	-38.24	-24.94	-17.88	-15.88	25.06	30.06	35.06	40.06	45.08	50.06	55.07	60.06
EL	7.29	9.35	10.85	8.11	8.11	11.67	11.32	11.02	10.98	10.95	10.92	10.89	10.90

SEE SECTION 6 ON SHEET G-101



OFF	-60.00	-55.00	-50.00	-46.25	-45.00	-40.00	-35.00	-32.35	-30.00	-25.00	-24.35	-17.56	-15.56	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	10.33	12.16	12.15	10.63	12.15	12.14	12.13	10.77	12.11	12.22	10.61	9.62	9.62	13.29	14.60	13.48	12.64	12.39	12.19	11.98	11.78

SEE SECTION 6 ON SHEET G-101



OFF	-59.97	-54.95	-49.95	-44.96	-39.95	-34.95	-29.96	-29.18	-24.95	-14.75	-12.75	25.04	30.03	35.03	40.03	45.04	50.03	55.04
EL	11.35	11.36	11.36	11.37	11.38	11.38	11.38	9.93	11.36	8.62	8.62	12.31	12.27	12.19	11.75	11.70	11.84	11.76

VERTICAL SCALE 1" = 5'

HORIZONTAL SCALE 1" = 10'

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:
	JMA CIVIL 5250 Claremont Ave, Suite 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	HDR 2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com

LICENSED PROFESSIONAL ENGINEER — ARKAPRABHA GHOSH — C91571 — Exp. 09/30/26 — CIVIL ENGINEER — STATE OF CALIFORNIA

PROFESSIONAL SEAL:

ISSUED FOR BID
NOT FOR CONSTRUCTION
-
08/31/2026

ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

LD01 & LD02 CROSS SECTIONS

PROJ NO: 21273	SHEET NO.
SCALE: AS NOTED	CT-805
DATE: 08/31/2026	SHEET 71 of 94
DESIGNED BY: AG	

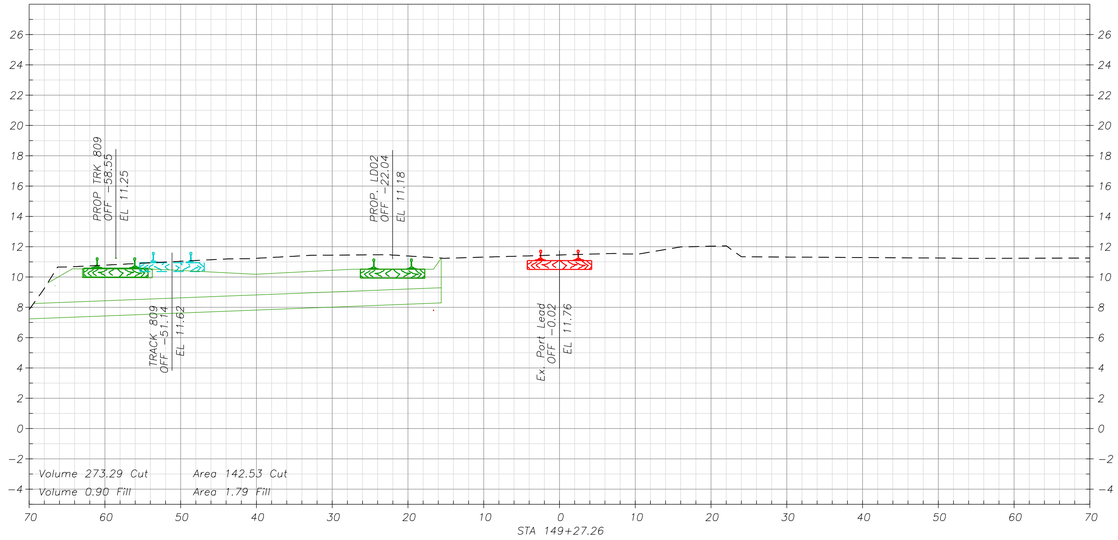
IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSadiq
8/29/2026 - 8:36:59 PM - pw://JMA-PW-APP.jmadvit.com:JMA-PW/Documents/Projects/21273-HDRProS/Rail/Sheets/LLD1/CT-800-1

DESIGN NOTES:

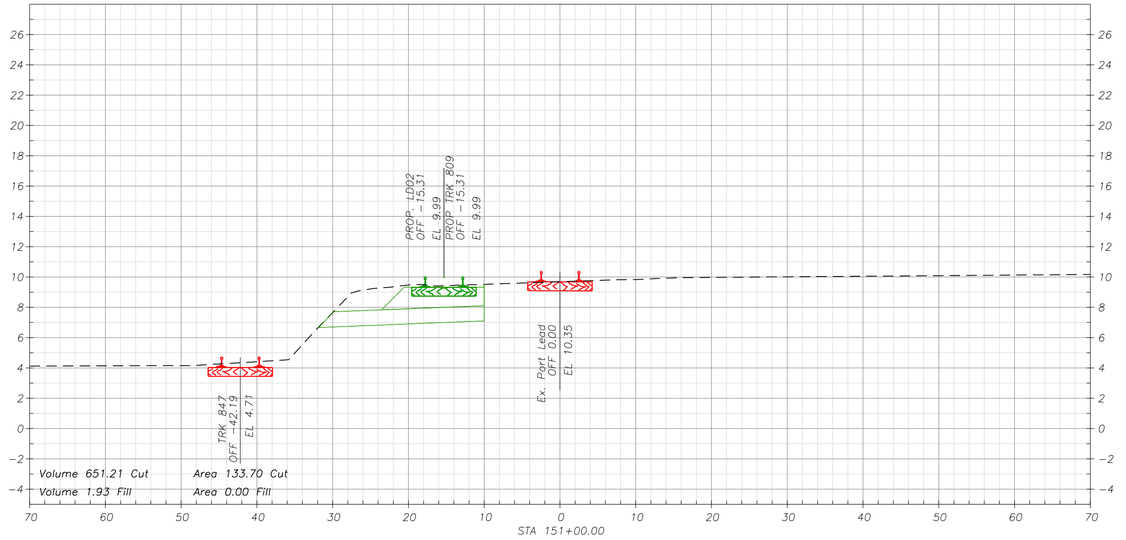
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 2 ON SHEET G-102



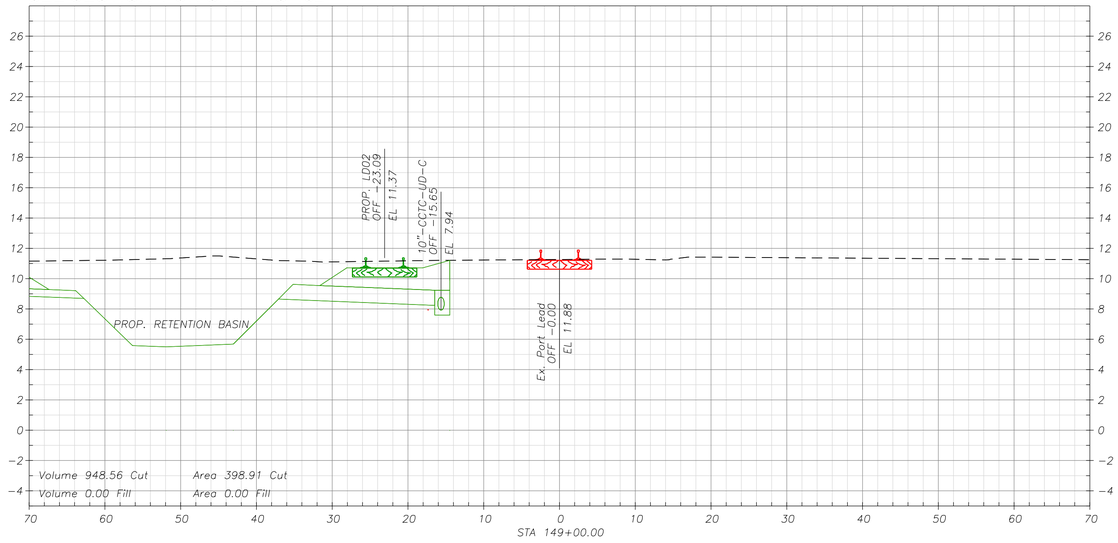
OFF	-59.91	-54.90	-49.91	-44.91	-39.90	-34.90	-29.90	-24.91	-15.61	25.09	30.10	35.09	40.10	45.09	50.09	55.09	60.09
EL	10.79	10.92	11.05	11.18	11.25	11.38	11.45	11.46	7.86	11.55	11.10	11.05	11.03	11.02	11.01	11.00	10.96

SEE SECTION 3 ON SHEET G-102



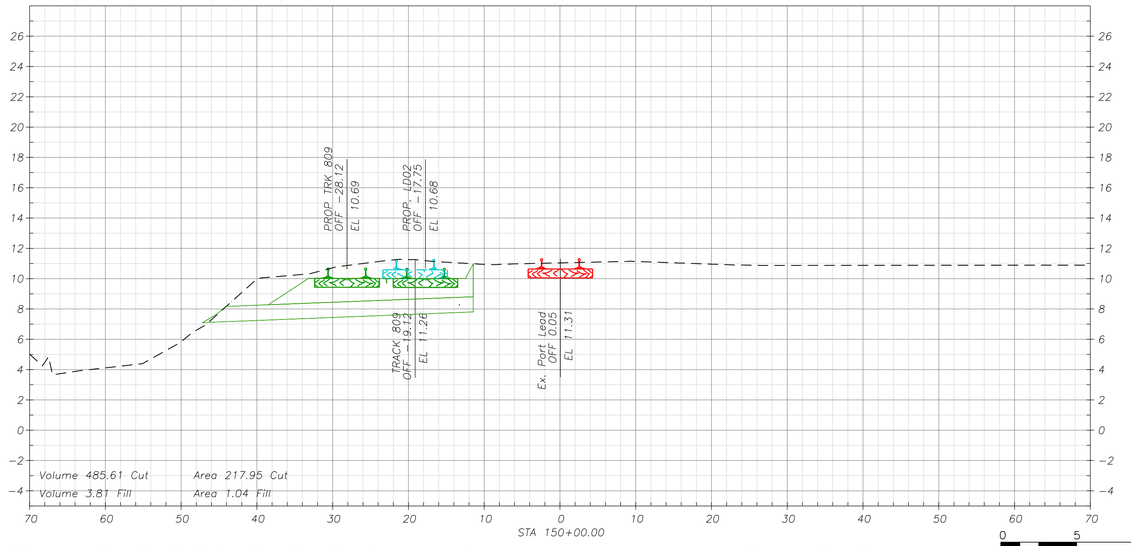
OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-31.86	-30.00	-25.00	-10.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	4.13	3.78	4.03	4.26	4.41	4.99	6.66	7.67	9.22	7.09	10.27	10.35	10.42	10.46	10.43	10.43	10.40	10.35

SEE SECTION 1 ON SHEET G-102



OFF	-62.79	-59.91	-56.38	-54.91	-52.14	-49.92	-44.92	-43.03	-39.92	-37.10	-34.91	-29.91	-24.92	-16.65	-14.65	25.08	30.09	35.10	40.09	45.10	50.08	55.09	60.08
EL	8.70	11.22	5.59	11.28	5.51	11.38	11.50	5.69	11.30	8.65	11.17	11.11	11.15	7.61	7.61	11.24	11.10	11.02	10.96	10.90	10.84	10.79	10.79

SEE SECTION 2 ON SHEET G-102



OFF	-59.89	-54.90	-49.90	-47.25	-44.89	-39.90	-34.90	-29.90	-24.89	-11.46	25.10	30.11	35.10	40.10	45.11	50.11	55.11
EL	3.97	4.47	5.90	7.09	7.81	10.04	10.25	10.74	11.08	7.81	10.92	10.79	10.76	10.72	10.68	10.65	10.61

VERTICAL SCALE 1" = 5'

HORIZONTAL SCALE 1" = 10'

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:
	5250 Claremont Ave, Suite 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com

PROFESSIONAL SEAL: LICENSED PROFESSIONAL ENGINEER — ARKAPRABHA GHOSH — C91571 — Exp. 09/30/26 — CIVIL ENGINEER — STATE OF CALIFORNIA

ISSUE: ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE: LD01 & LD02 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-806
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 72 of 94
DESIGNED BY: AG	

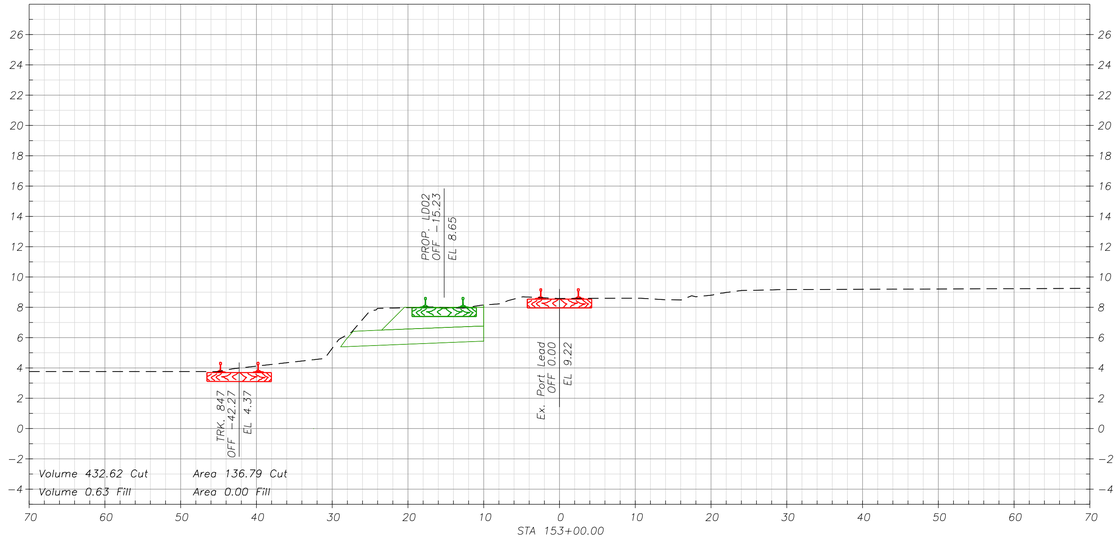
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8/30/2026 - 9:36:22 AM - pw://JMA-PW-APP.jmadivil.com:JMA-PW/Documents/Projects/21273-HDRProS/Rail/Sheets/LLD/TCT-800-1

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

DESIGN NOTES:

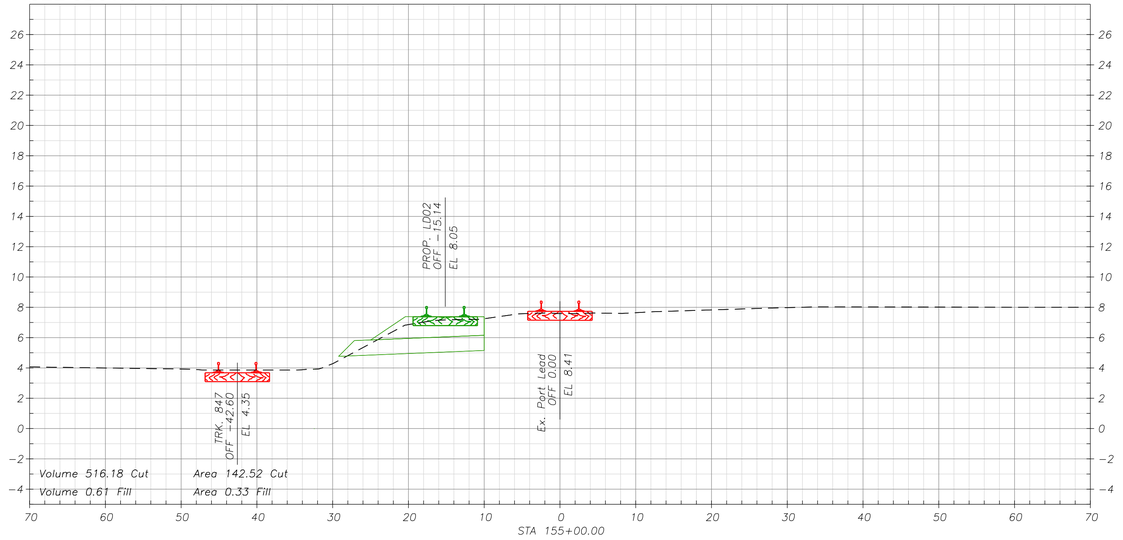
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 3 ON SHEET G-102



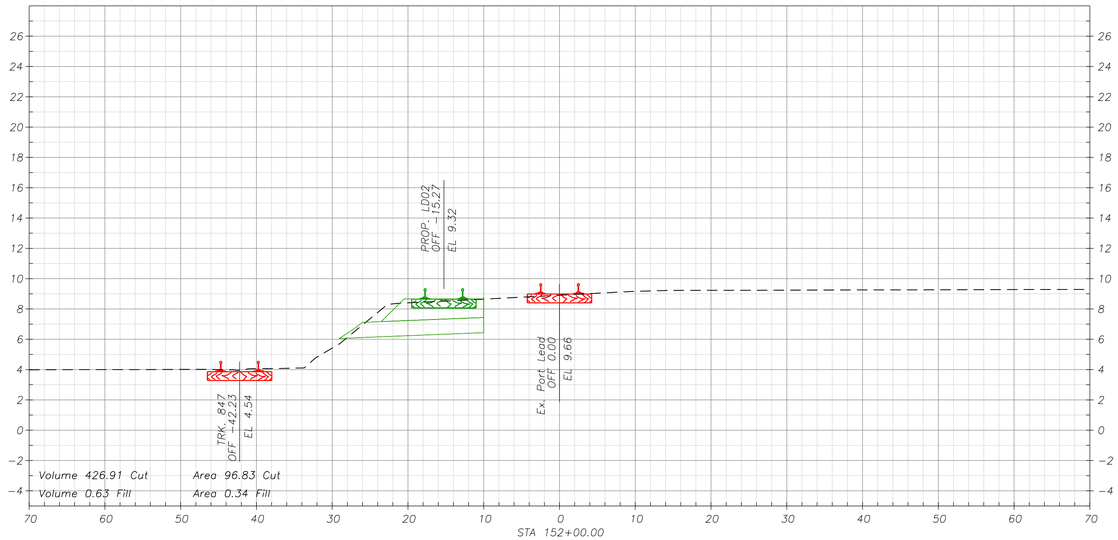
OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-29.57	-25.00	-10.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	3.76	3.74	3.75	3.78	3.92	3.93	5.31	5.36	7.79	5.75	9.08	8.91	8.74	8.58	8.56	8.63	8.69	8.76

SEE SECTION 3 ON SHEET G-102



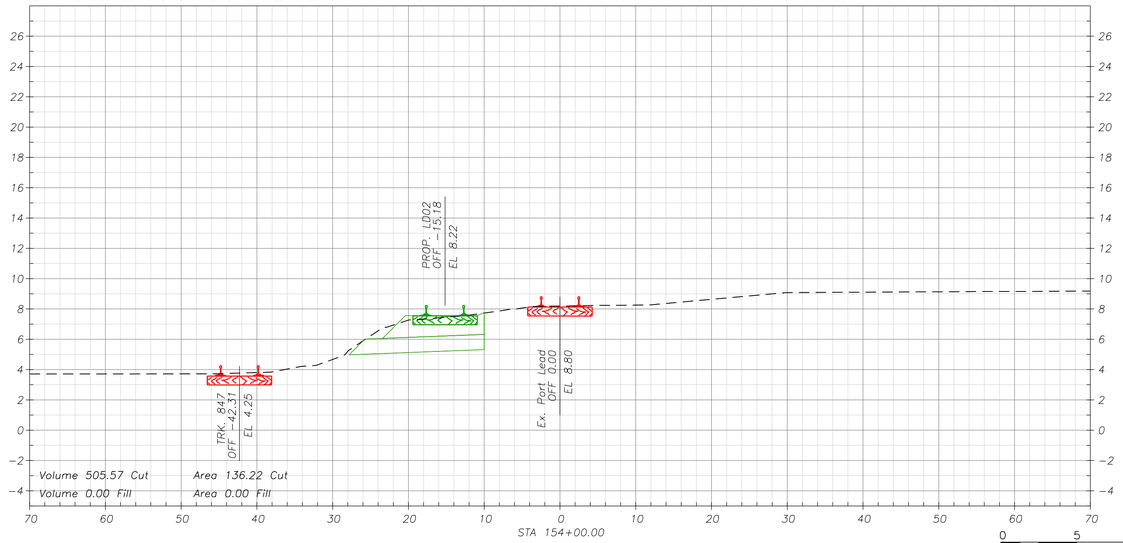
OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-29.22	-25.00	-10.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	3.97	3.95	3.93	3.92	3.91	3.87	4.28	4.76	5.62	5.16	7.84	7.92	8.00	7.97	8.04	8.06	8.59	8.92

SEE SECTION 3 ON SHEET G-102



OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-29.13	-25.00	-10.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	4.01	3.75	3.68	3.98	4.00	4.08	5.42	6.04	7.37	6.42	9.24	9.24	9.25	9.31	9.40	9.49	3.90	3.90

SEE SECTION 3 ON SHEET G-102



OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-27.84	-25.00	-10.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	3.51	3.46	3.51	3.72	3.81	4.02	4.68	4.98	6.23	5.33	8.86	9.09	8.82	8.76	8.72	8.70	8.66	

VERTICAL SCALE 1" = 5'
0 5 10 15 FEET

HORIZONTAL SCALE 1" = 10'
0 10 20 30 FEET

HammadSadiq
8/29/2026 - 8:38:22 PM - pw://JMA-PW-APP.jmadivil.com:JMA-PW/Documents/Projects/21273-HDR%3/Rail/Sheets/LLD1/CT-800-1

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	REVISIONS:
	JMA CIVIL 5250 Claremont Ave, Suite 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	HDR 2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com	LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA	ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026	MARK: 0 — DATE: 08/31/2026 — DESCRIPTION: ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
LD01 & LD02 CROSS SECTIONS

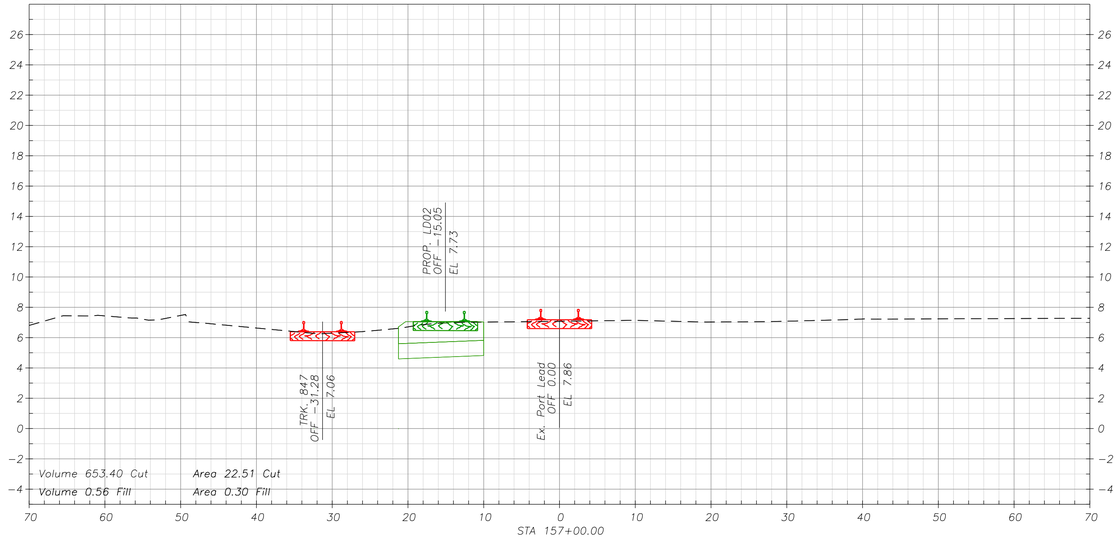
PROJ NO: 21273	SHEET NO. CT-807
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 73 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

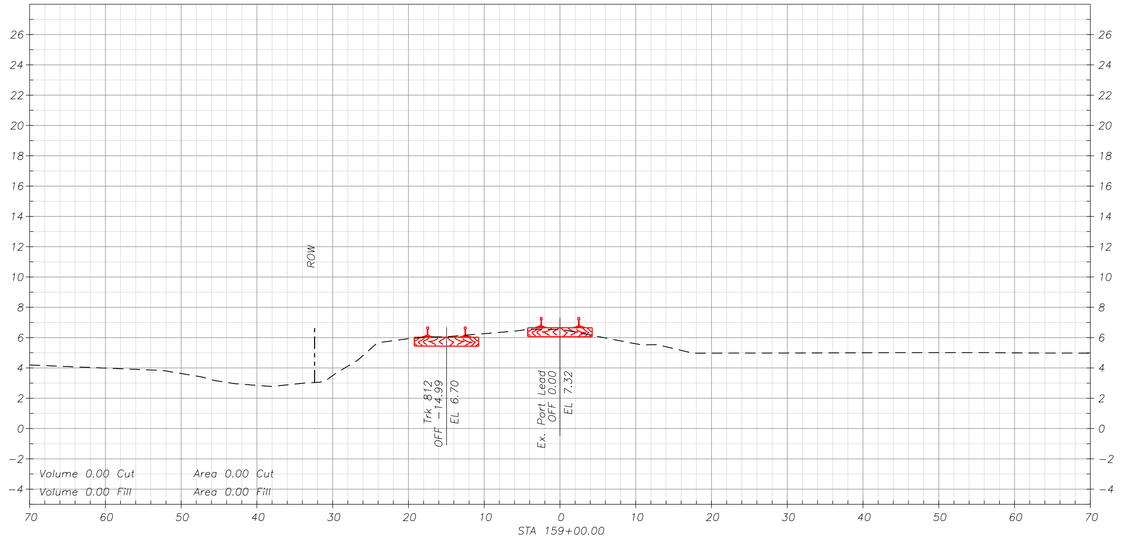
DESIGN NOTES:

1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 3 ON SHEET G-102

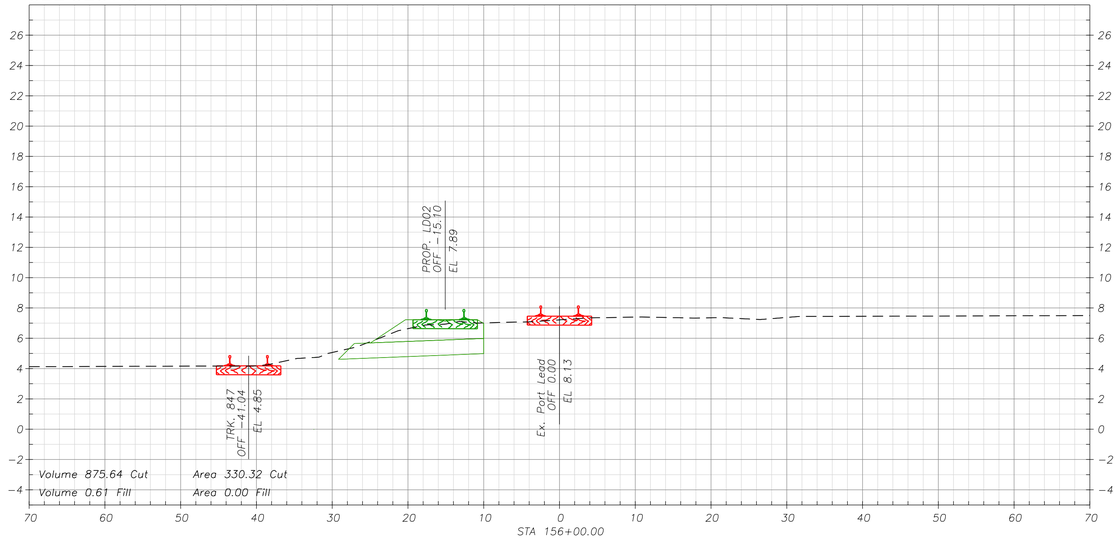


OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-25.00	-21.25	-10.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	7.44	7.23	7.47	6.87	6.63	6.40	6.30	6.44	4.61	4.83	7.07	7.10	7.16	7.24	6.83	6.86	6.89	6.92

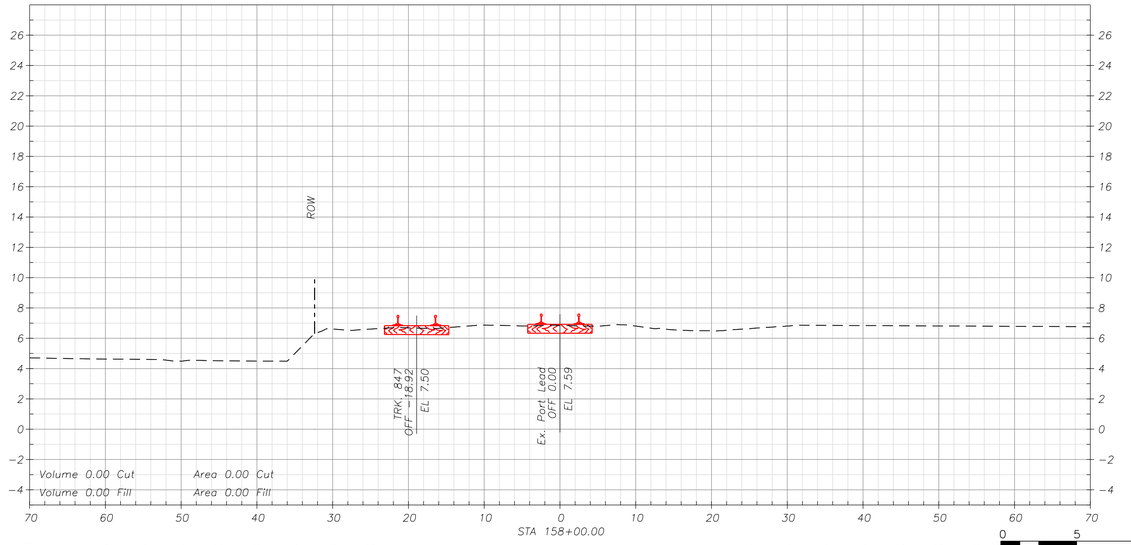


OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-25.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	3.85	3.85	3.65	3.13	2.85	2.94	3.51	5.27	4.95	5.04	5.13	5.22	5.30	5.39	5.46	5.46

SEE SECTION 3 ON SHEET G-102



OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-29.18	-25.00	-10.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	4.39	4.29	4.19	4.20	4.22	4.39	5.06	4.54	5.77	4.93	7.18	7.38	7.41	7.35	7.29	7.23	7.17	7.18



OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-25.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	6.32	4.68	4.23	4.14	4.17	5.01	6.62	6.61	6.19	6.04	5.98	6.08	6.08	6.08	6.09	

VERTICAL SCALE 1" = 5' (0, 5, 10, 15 FEET)

HORIZONTAL SCALE 1" = 10' (0, 10, 20, 30 FEET)

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:
	JMA CIVIL 5250 Claremont Ave, Suite 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	HDR 2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com

PROFESSIONAL SEAL: LICENSED PROFESSIONAL ENGINEER — ARKAPRABHA GHOSH — C91571 — Exp. 09/30/26 — CIVIL ENGINEER — STATE OF CALIFORNIA

ISSUE: ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON — CALIFORNIA

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE: LD01 & LD02 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-808
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 74 of 94
DESIGNED BY: AG	

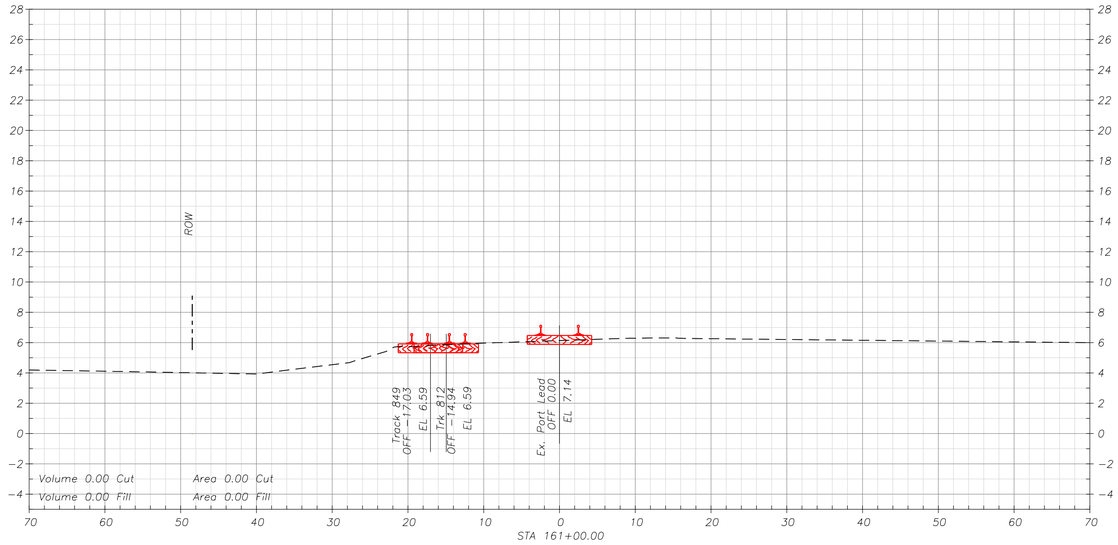
IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSadiq 8/29/2026 - 8:38:34 PM - pw://JMA-PW/APP.jmadrivit.com:JMA-PW/Documents/Projects/21273-HDRPrjS/Rail/Sheets/LLD1/CT-800-1

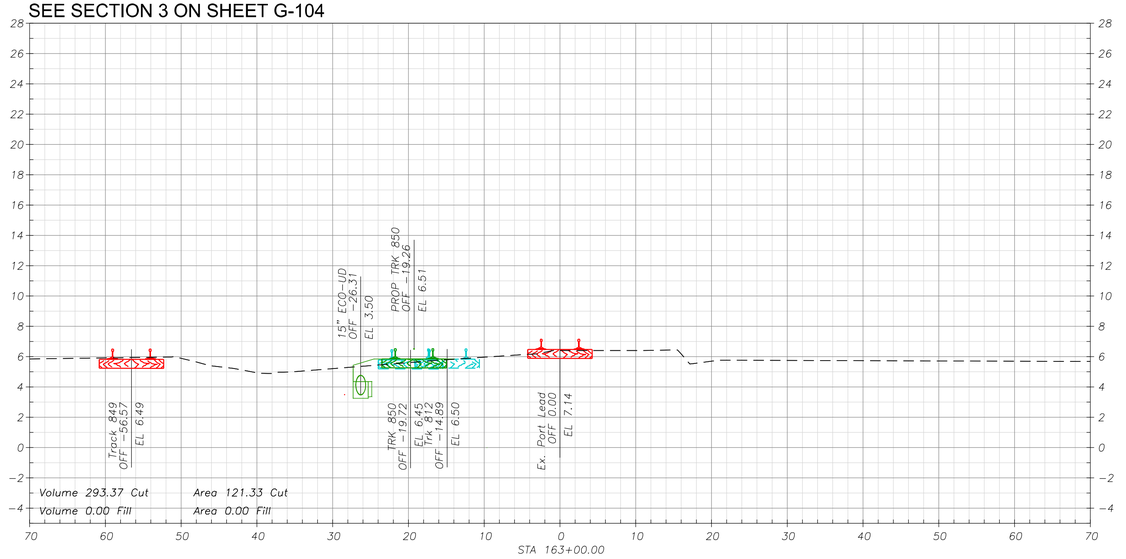
DESIGN NOTES:

1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

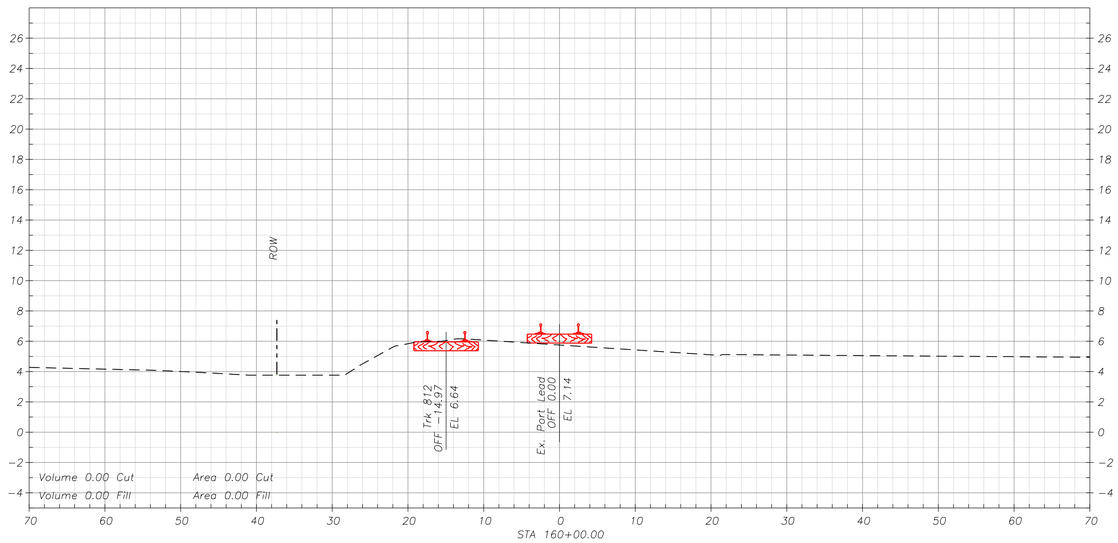
SEE SECTION 3 ON SHEET G-104



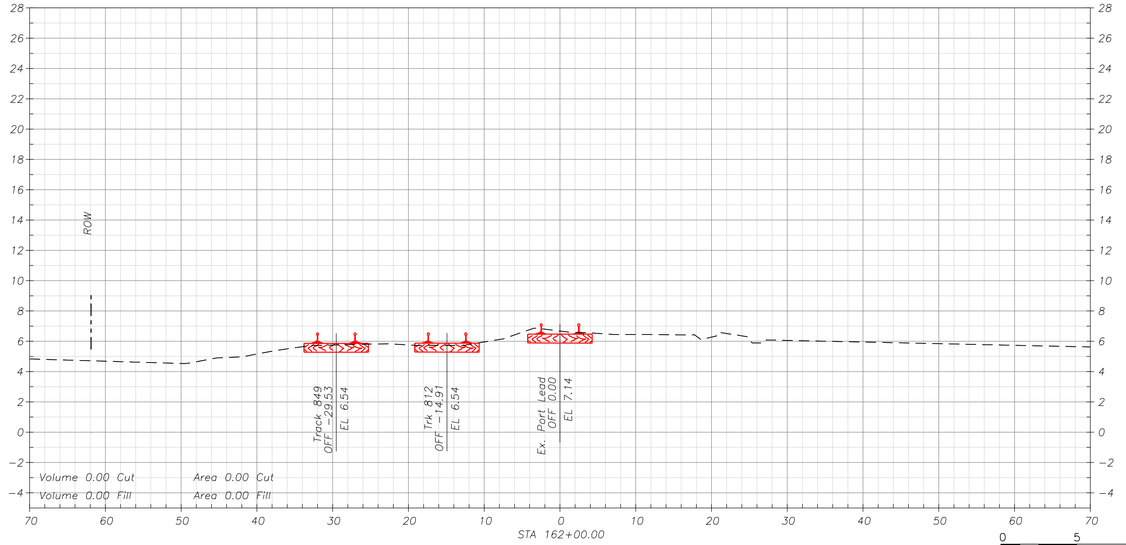
OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-25.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	5.29	5.07	4.86	4.47	3.95	4.22	4.53	5.11	4.98	5.25	5.34	5.43	5.31	5.21	5.22	5.26



OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-27.31	-25.31	-25.00	-24.83	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	5.92	5.99	5.89	5.26	4.92	5.01	5.21	3.25	3.25	5.41	3.361	5.87	6.01	5.98	5.79	5.62	5.46	5.30	5.14



OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-25.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	3.78	3.99	3.92	3.89	3.84	3.80	3.77	4.79	4.92	5.04	5.17	5.27	5.31	5.34	5.36	5.38



OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-25.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00
EL	4.08	3.76	4.33	4.85	5.14	5.58	5.75	5.82	5.56	5.78	5.29	4.67	4.34	4.42	4.48

VERTICAL SCALE 1" = 5'

HORIZONTAL SCALE 1" = 10'

JMA CIVIL
5250 Claremont Ave, Suite 227
Stockton, CA 95207
T: 925.400.4356
www.jmacivil.com
SUBCONSULTANT:

HDR
2379 Gateway Oaks, Ste. 200
Sacramento, CA 95833
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PRIME CONSULTANT:

LICENSED PROFESSIONAL ENGINEER
ARKAPRABHA GHOSH
C91571
Exp. 09/30/26
CIVIL ENGINEER
STATE OF CALIFORNIA
PROFESSIONAL SEAL:

ISSUED FOR BID
NOT FOR CONSTRUCTION
-
08/31/2026
ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
LD01 & LD02 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-809
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 75 of 94
DESIGNED BY: AG	

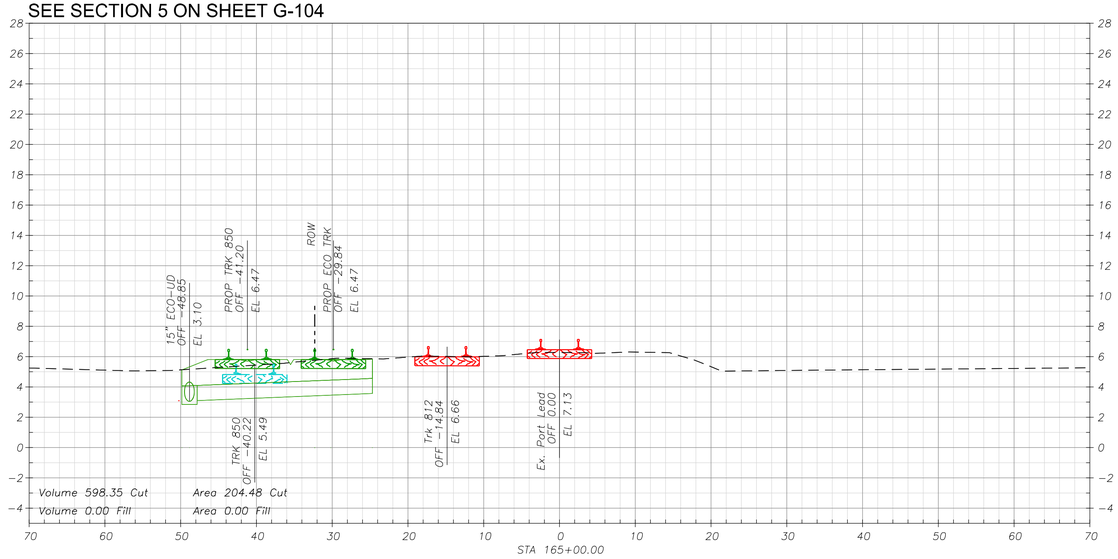
IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSaidi
8/29/2026 - 8:38:46 PM - pw://JMA-PW-APP.jmadirect.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD7/CT-800-1

DESIGN NOTES:

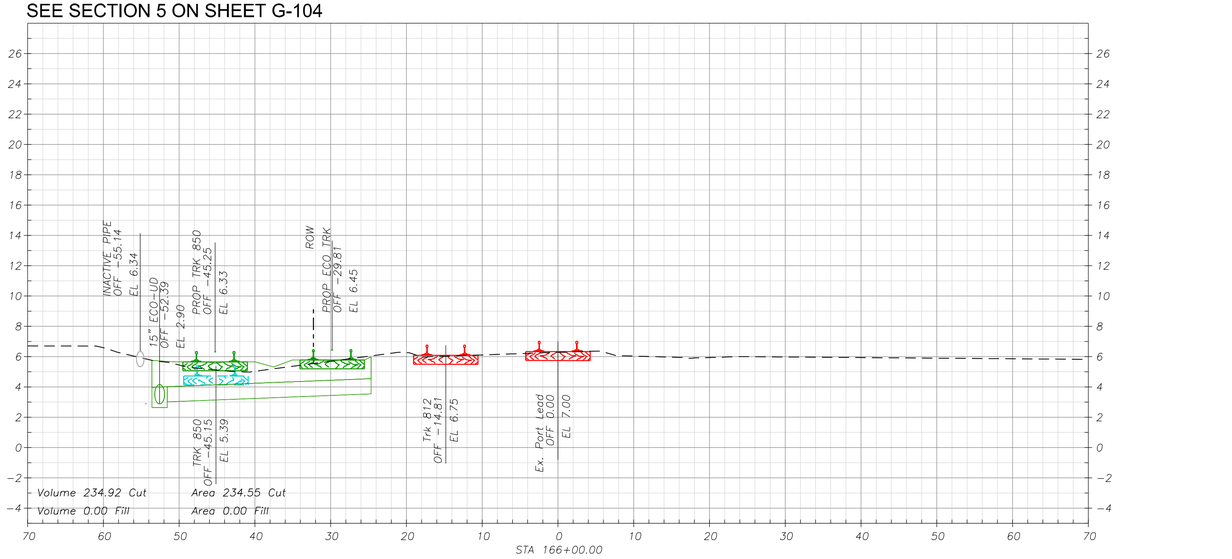
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 5 ON SHEET G-104



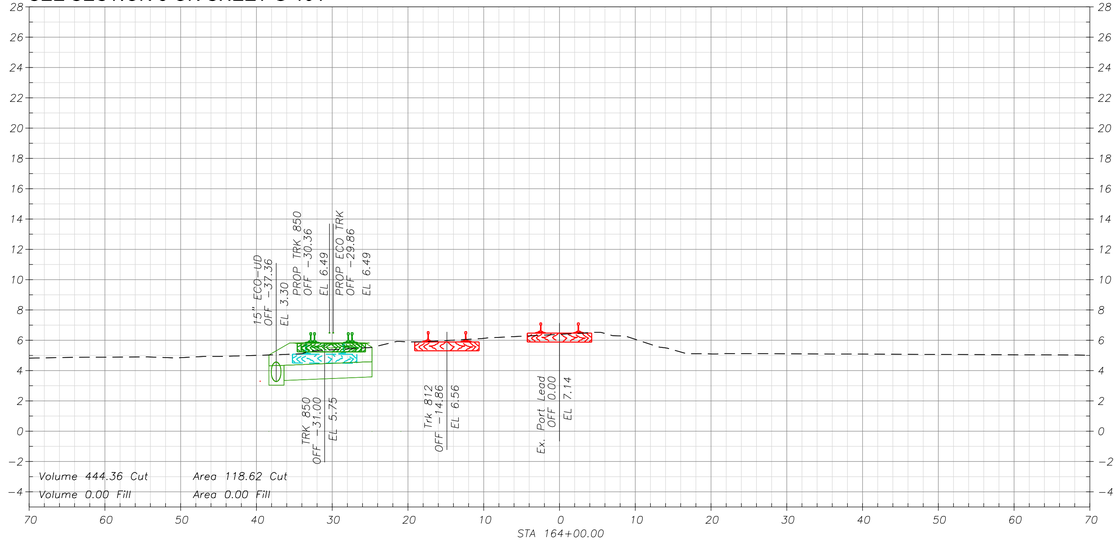
OFF	-60.00	-55.00	-50.00	-49.85	-47.85	-45.00	-40.00	-35.00	-30.00	-25.00	-24.71	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	4.84	5.05	5.07	2.85	2.85	5.20	5.41	5.65	5.87	5.87	3.57	4.83	5.13	5.33	4.69	4.66	4.60	4.58	4.57

SEE SECTION 5 ON SHEET G-104



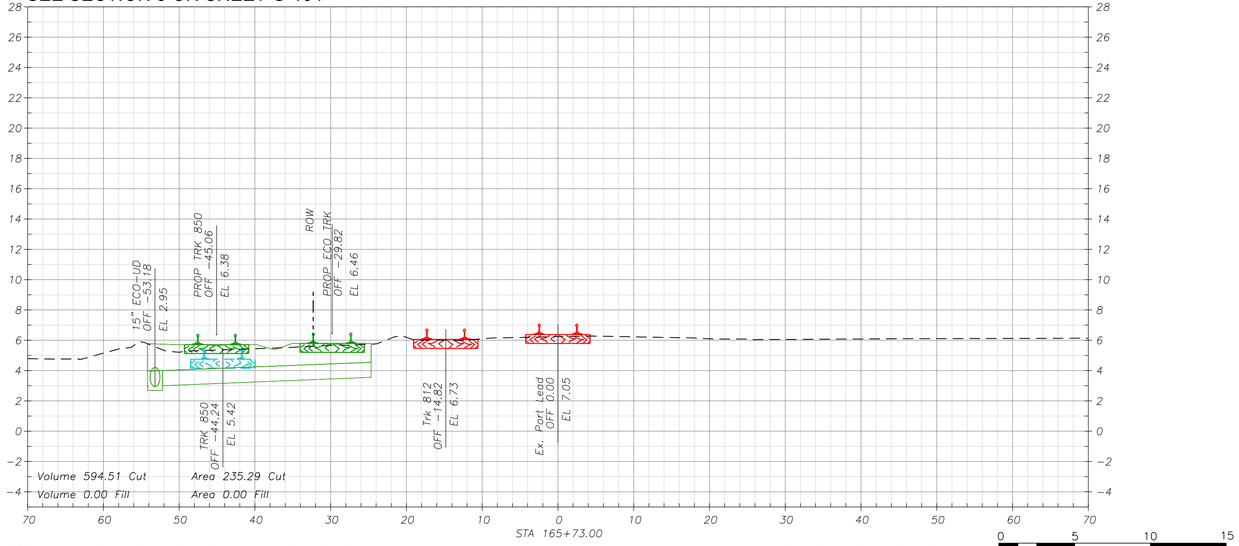
OFF	-60.00	-55.00	-53.39	-51.39	-50.00	-45.00	-40.00	-35.00	-30.00	-25.00	-24.67	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	6.59	5.95	2.65	2.65	5.45	5.13	5.04	5.37	5.70	6.03	3.55	5.90	5.88	5.86	5.78	5.55	5.31	5.14	4.97

SEE SECTION 5 ON SHEET G-104

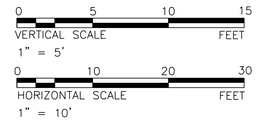


OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-38.36	-36.36	-35.00	-30.00	-25.00	-24.75	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	5.32	4.98	4.93	4.89	5.00	3.05	3.05	5.10	5.38	5.53	3.59	4.68	4.56	4.59	4.63	4.67	4.71	4.73	4.69

SEE SECTION 5 ON SHEET G-104



OFF	-60.00	-55.00	-54.18	-52.18	-50.00	-45.00	-40.00	-35.00	-30.00	-25.00	-24.68	25.00	30.00	35.00	40.00	45.00	50.00	55.00
EL	5.15	5.89	2.70	2.70	5.22	5.36	5.44	5.54	5.67	5.74	3.56	6.09	5.87	5.43	5.23	5.12	5.00	4.89



SUBCONSULTANT:

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PRIME CONSULTANT:

PROFESSIONAL SEAL:

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ARKAPRABHA GHOSH
C91571
Exp. 09/30/26
CIVIL ENGINEER
STATE OF CALIFORNIA

ISSUE:

ISSUED FOR BID
NOT FOR
CONSTRUCTION
-
08/31/2026

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

LD01 & LD02 CROSS SECTIONS

PROJ NO: 21273	
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	

SHEET NO.
CT-810
SHEET 76 of 94

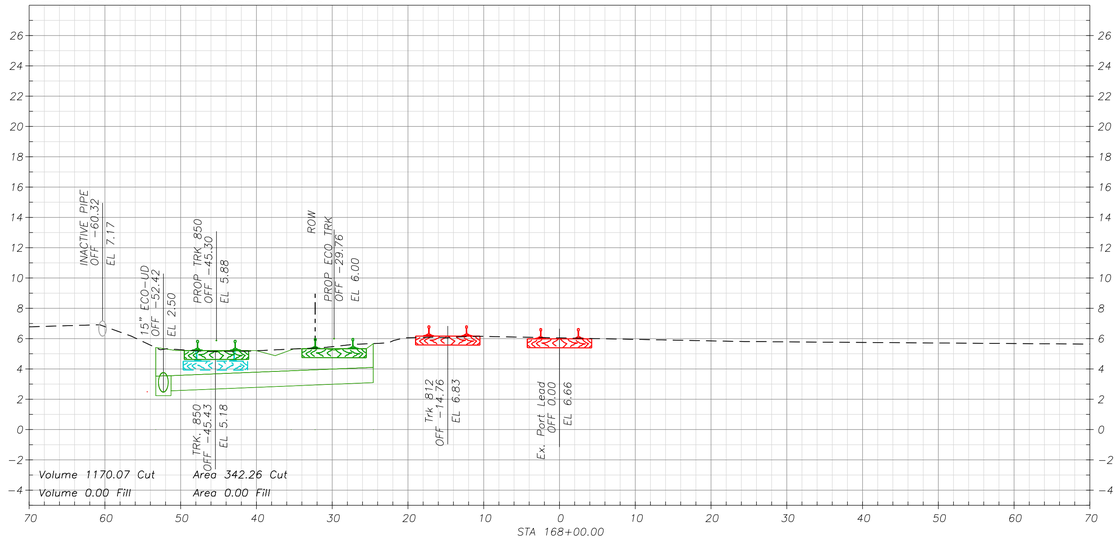
IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSaidi
8/29/2026 - 8:35:12 PM - pw://JMA-PW-APP.jmadvlt.com:JMA-PW/Documents/Projects/21273-HDRPoS/Roll/Sheets/LLD7/CT-800-1

DESIGN NOTES:

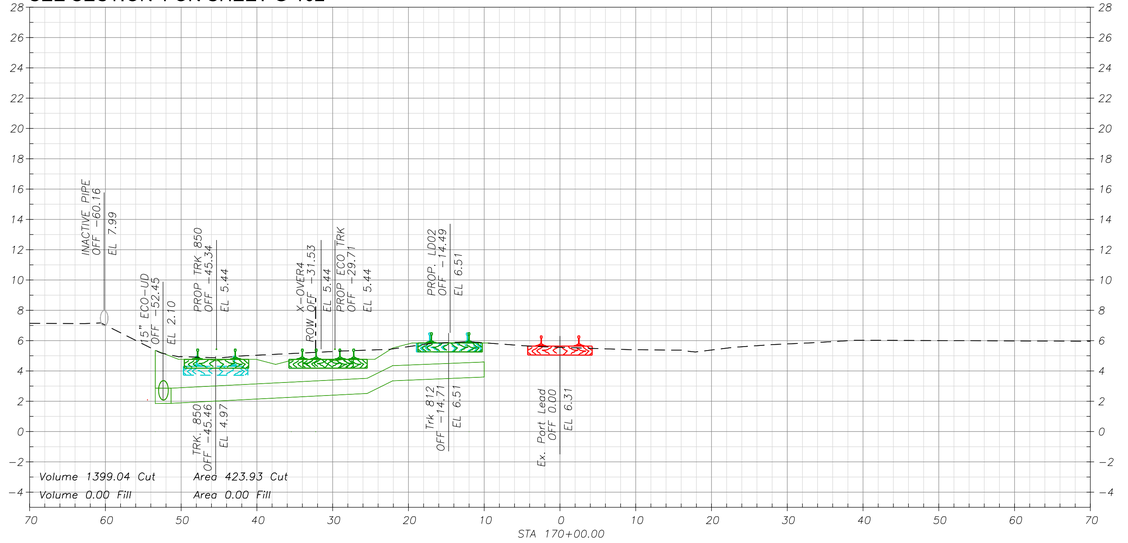
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 5 ON SHEET G-104



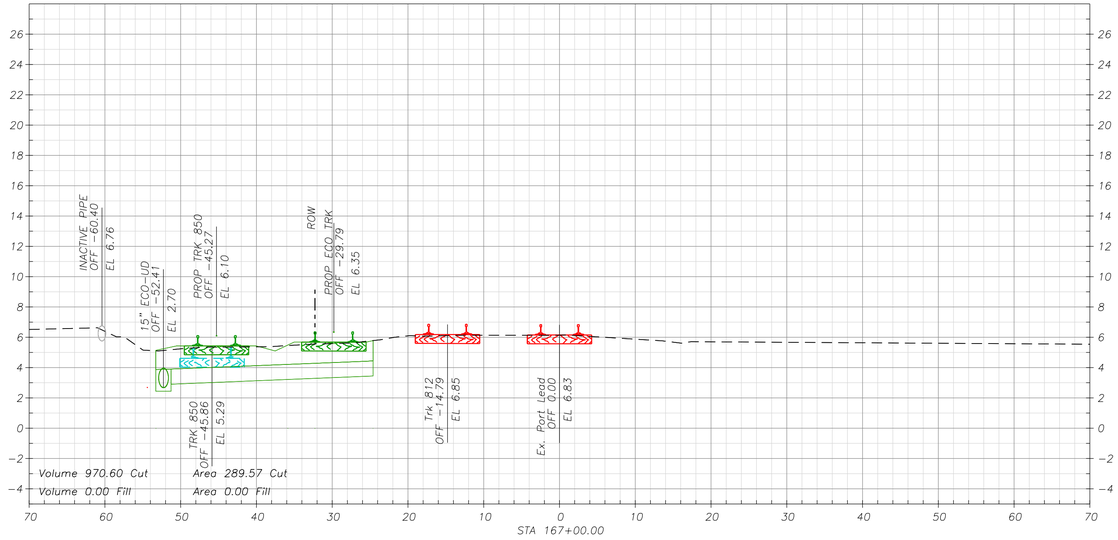
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EL	6.93	6.01	2.25	2.25	3.25	5.11	5.21	5.33	5.48	5.67	3.10	5.82	5.88	5.93	5.95	5.96	5.93	5.85	5.77

SEE SECTION 4 ON SHEET G-102



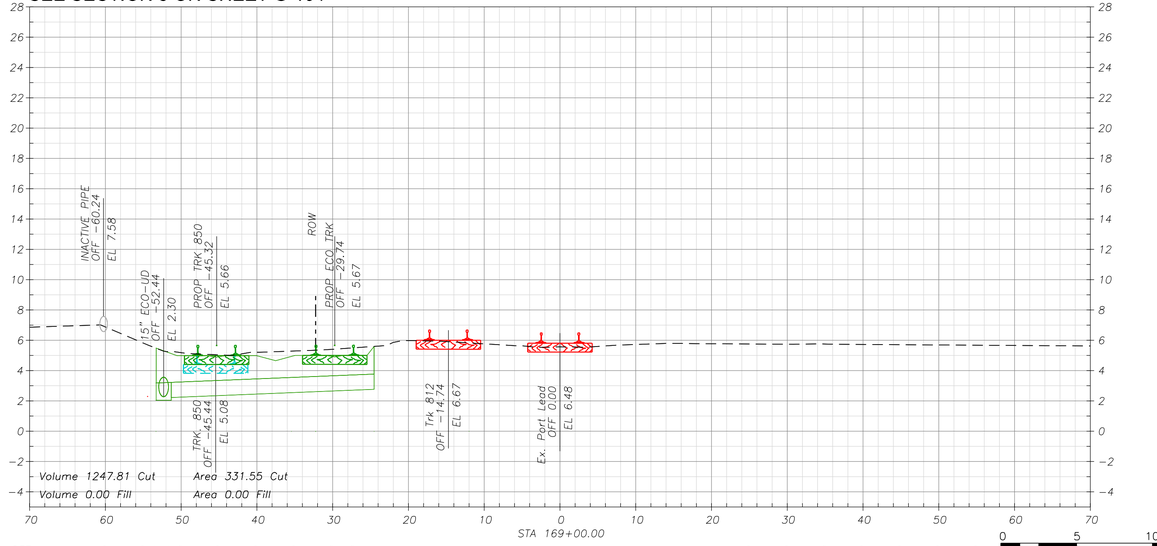
OFF	-60.00	-55.00	-53.34	-51.34	-50.00	-45.00	-40.00	-35.00	-30.00	-25.46	-25.00	-22.09	-10.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	7.04	5.78	1.87	1.87	4.94	4.86	5.05	5.16	5.28	2.50	5.39	3.36	3.60	5.60	5.76	5.92	6.00	5.79	5.57	5.37	5.32

SEE SECTION 5 ON SHEET G-104



OFF	-60.00	-55.00	-53.27	-52.39	-50.00	-45.00	-40.00	-35.00	-30.00	-25.00	-24.62	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	6.94	5.16	2.45	2.45	3.24	5.25	5.33	5.48	5.59	5.77	3.45	5.71	5.76	5.76	5.77	5.79	5.81	5.84	5.74

SEE SECTION 5 ON SHEET G-104



OFF	-60.00	-55.00	-53.32	-51.32	-50.00	-45.00	-40.00	-35.00	-30.00	-25.00	-24.54	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	6.92	5.98	2.05	2.05	5.13	5.00	5.19	5.30	5.41	5.59	2.77	5.79	5.78	5.78	5.80	5.90	6.10	6.09	

VERTICAL SCALE 1" = 5' (0, 5, 10, 15 FEET)

HORIZONTAL SCALE 1" = 10' (0, 10, 20, 30 FEET)

SUBCONSULTANT:

JMA CIVIL
5250 Claremont Ave, Suite 227
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www.jmacivil.com
SUBCONSULTANT:

HDR
2379 Gateway Oaks, Ste. 200
Sacramento, CA 95833
T: 916.679.8700
www.hdrinc.com
PRIME CONSULTANT:

LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA
PROFESSIONAL SEAL:

ISSUED FOR BID
NOT FOR CONSTRUCTION
-
08/31/2026
ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
LD01 & LD02 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-811
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 77 of 94
DESIGNED BY: AG	

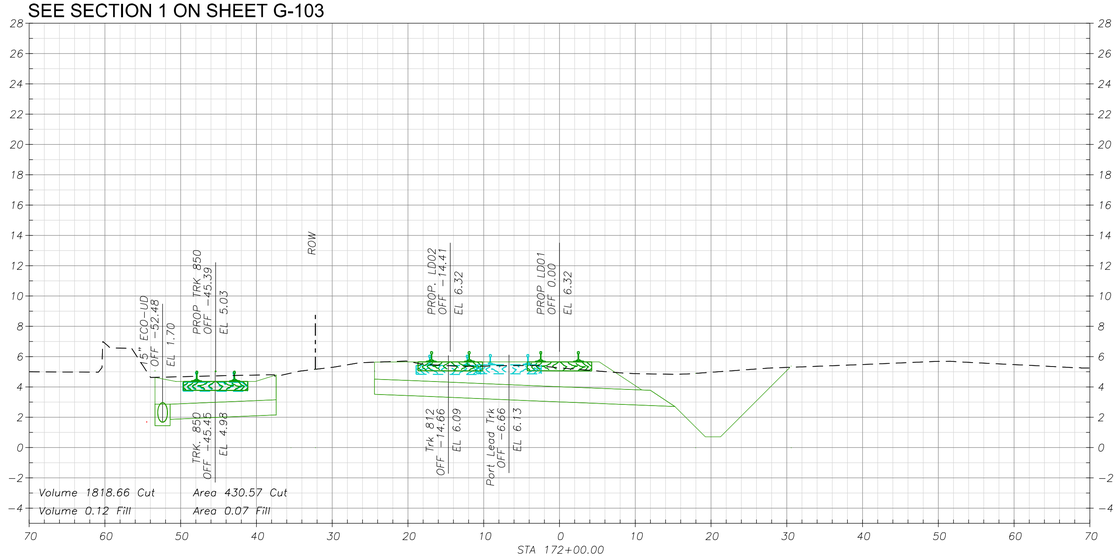
IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

HammadSaidi
8/29/2026 - 8:35:24 PM - pw://JMA-PW-APP.jmadvlt.com:JMA-PW/Documents/Projects/21273-HDR\Civil\Sheets\LLD\TCT-800-1

DESIGN NOTES:

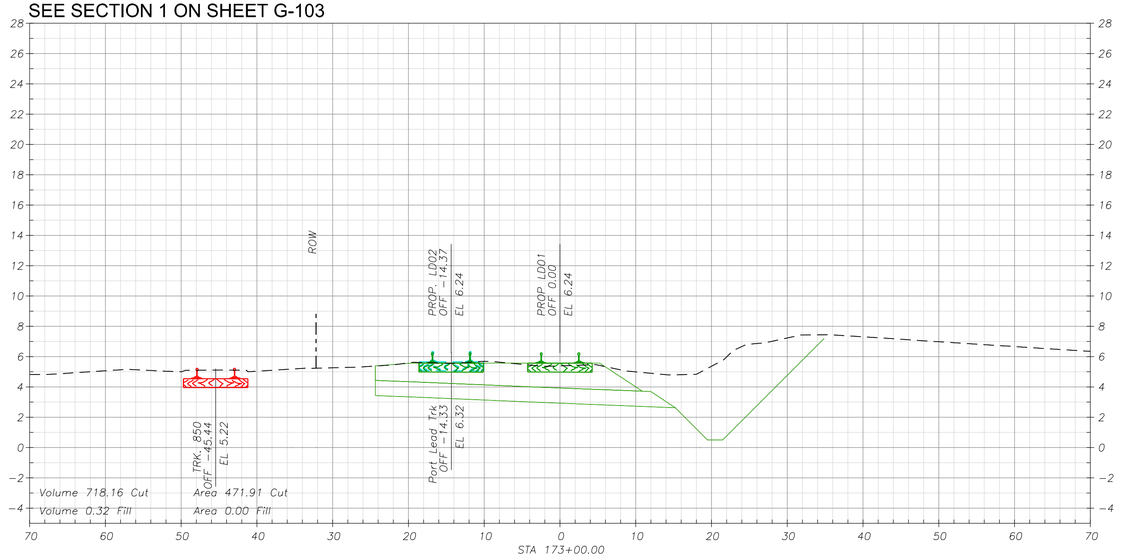
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 1 ON SHEET G-103



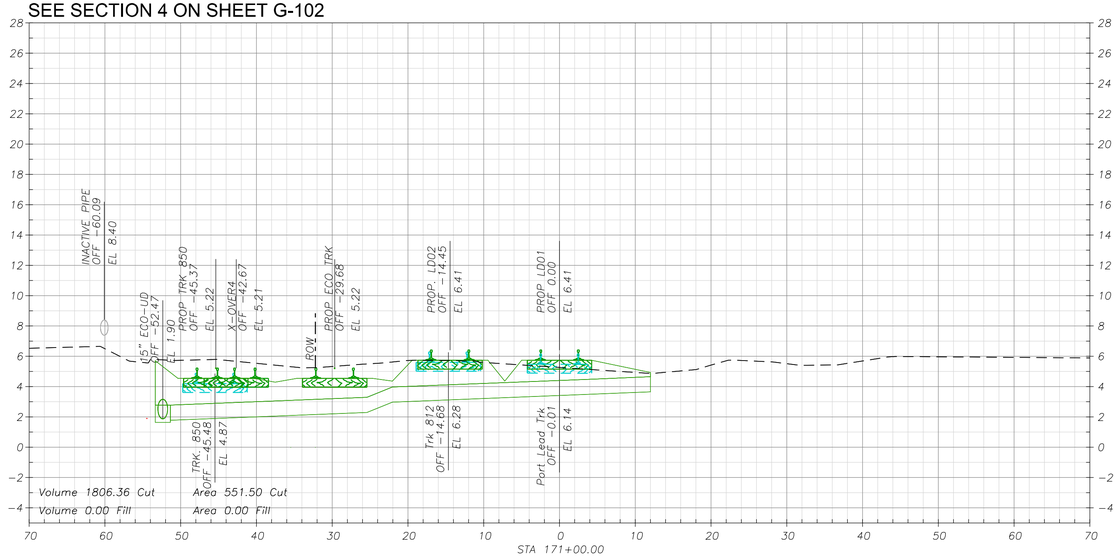
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EL	6.88	5.42	1.48	1.48	4.68	4.74	4.79	2.15	4.97	5.30	5.63	3.52	2.71	0.71	0.71	5.27	5.43	5.48	5.58	5.69	5.54	5.69	5.53	5.35

SEE SECTION 1 ON SHEET G-103



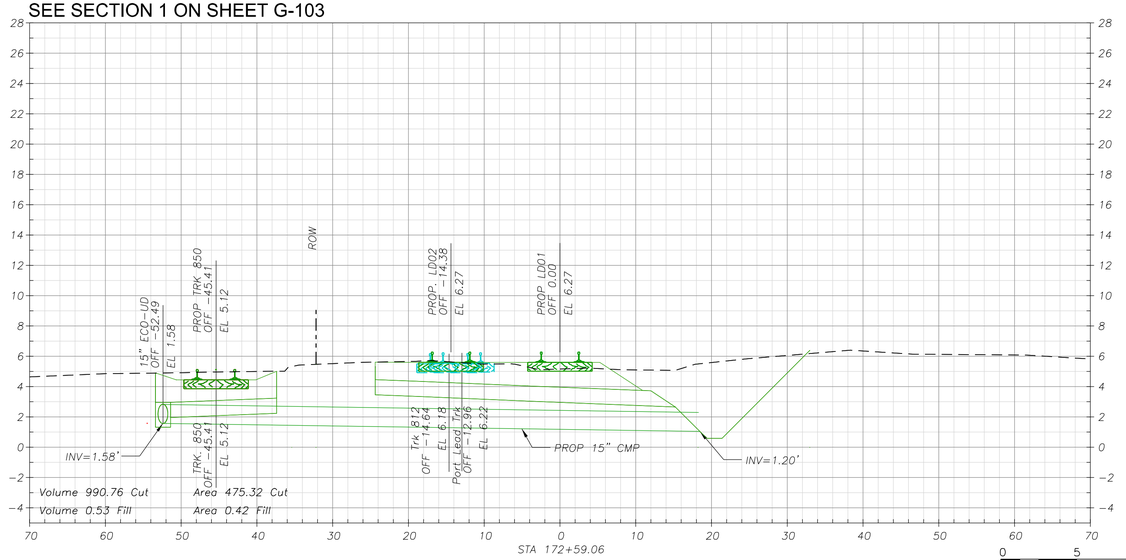
OFF	-60.00	-55.00	-50.00	-45.00	-40.00	-35.00	-30.00	-25.00	-24.37	15.23	19.23	21.23	25.00	30.00	34.44	35.00	40.00	45.00	50.00	55.00	60.00
EL	5.03	5.12	5.01	5.12	5.04	5.20	5.27	5.37	3.44	2.63	0.51	0.51	6.83	7.24	7.24	7.45	7.35	7.22	7.04	6.83	6.54

SEE SECTION 4 ON SHEET G-102

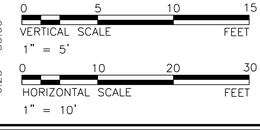


OFF	-60.00	-55.00	-53.37	-51.37	-50.00	-45.00	-40.00	-35.00	-30.00	-25.44	-25.00	-22.07	12.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
EL	6.46	5.39	1.65	1.65	5.50	5.53	5.46	5.28	5.34	2.30	5.51	2.97	3.65	5.67	5.46	5.40	5.69	5.79	5.78	5.79	5.80

SEE SECTION 1 ON SHEET G-103



OFF	-60.00	-55.00	-53.41	-51.41	-50.00	-45.00	-40.00	-37.41	-35.00	-30.00	-25.00	-24.38	15.23	19.23	21.23	25.00	30.00	32.66	35.00	40.00	45.00	50.00	55.00
EL	4.78	4.89	1.33	1.33	4.92	4.96	5.01	2.24	5.37	5.52	5.61	3.47	2.66	0.59	0.59	5.67	5.79	6.38	6.16	6.19	6.18	6.30	6.23



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PRIME CONSULTANT:

LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA
PROFESSIONAL SEAL:

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CONSTRUCTION
-
08/31/2026
ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON CALIFORNIA

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
LD01 & LD02 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-812
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 78 of 94
DESIGNED BY: AG	

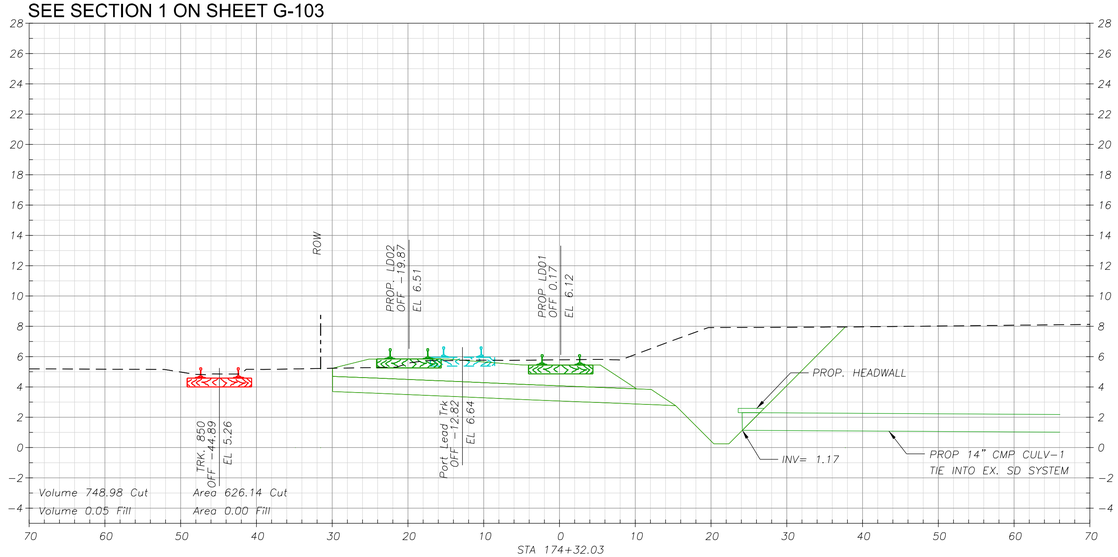
IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

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8/29/2026 - 8:35:49 PM - pw://JMA-PW-APP.jmadirect.com:JMA-PW/Documents/Projects/21273-HDRPcS/Rail/Sheets/LLD/CT-800-1

DESIGN NOTES:

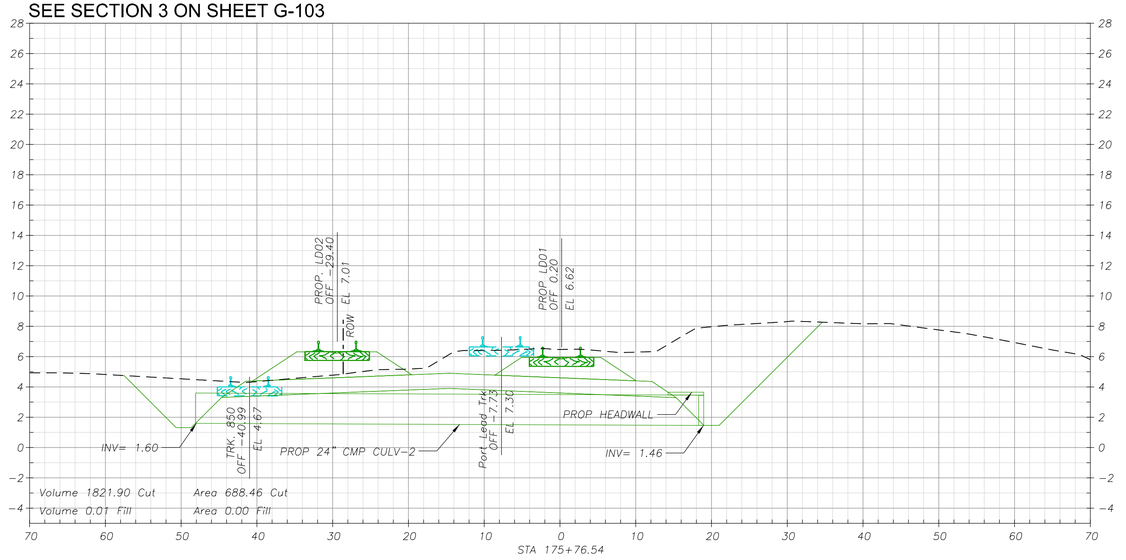
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 1 ON SHEET G-103



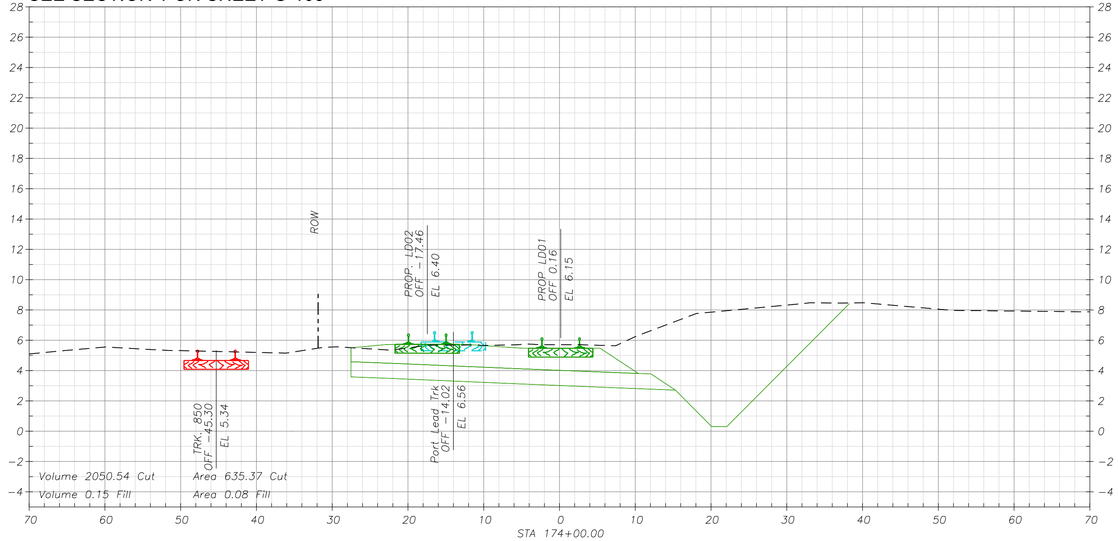
OFF	-59.86	-54.86	-49.86	-44.86	-39.86	-34.87	-29.94	-29.88	-24.86	15.33	19.31	21.31	25.12	30.14	35.15	35.62	40.14	45.14	50.14	55.13	60.14
EL	5.18	5.17	4.98	4.86	5.14	5.13	3.71	5.18	5.40	2.78	0.25	0.25	7.93	7.94	7.96	7.96	7.98	8.00	8.03	8.06	8.08

SEE SECTION 3 ON SHEET G-103



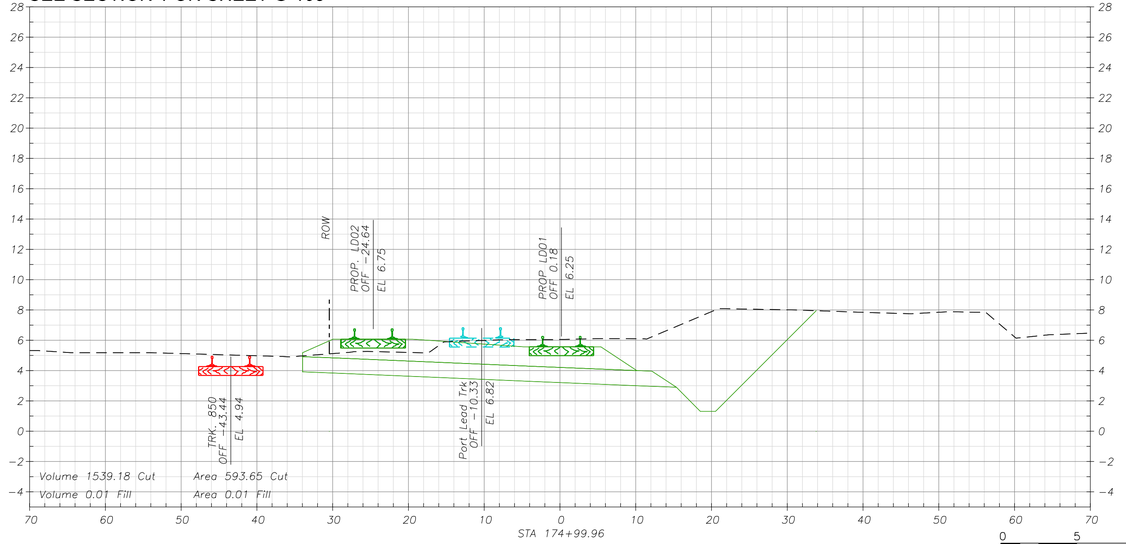
OFF	-59.83	-57.58	-54.85	-50.69	-49.83	-48.68	-44.85	-44.67	-39.83	-34.86	-29.83	-24.86	-14.63	15.33	19.32	21.32	25.17	30.17	35.17	35.24	40.17	45.17	50.15	55.16	60.17
EL	4.83	4.76	4.68	1.32	4.54	1.32	4.40	3.32	4.36	4.57	4.78	5.10	3.91	3.30	1.46	1.46	8.17	8.32	8.26	8.26	8.17	8.09	7.76	7.40	6.93

SEE SECTION 1 ON SHEET G-103



OFF	-59.86	-54.86	-49.86	-44.89	-39.88	-34.87	-29.89	-27.54	-24.87	15.31	19.29	21.29	25.13	30.12	35.14	36.70	40.14	45.12	50.13	55.13	60.12
EL	5.56	5.42	5.32	5.26	5.20	5.25	5.56	3.60	5.43	2.72	0.31	0.31	8.10	8.33	8.46	8.45	8.48	8.27	8.06	7.96	7.93

SEE SECTION 1 ON SHEET G-103



OFF	-59.85	-54.84	-49.84	-44.86	-39.84	-34.86	-33.49	-29.85	-24.85	15.35	19.34	21.33	25.15	30.15	35.15	35.34	40.16	45.16	50.15	55.16
EL	5.19	5.19	5.11	5.04	4.97	4.94	3.92	5.13	5.27	2.91	1.31	1.31	8.06	8.01	7.93	7.94	7.84	7.77	7.85	7.85

VERTICAL SCALE 1" = 5'

HORIZONTAL SCALE 1" = 10'

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:
	JMA CIVIL 5250 Claremont Ave., Ste. 227 Stockton, CA 95207 T: 925.400.4356 www.jmacivil.com	HDR 2379 Gateway Oaks, Ste. 200 Sacramento, CA 95833 T: 916.679.8700 www.hdrinc.com

PROFESSIONAL SEAL: LICENSED PROFESSIONAL ENGINEER — ARKAPRABHA GHOSH — C91571 — Exp. 09/30/26 — CIVIL ENGINEER — STATE OF CALIFORNIA

ISSUE: ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON — CALIFORNIA

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE: LD01 & LD02 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-813
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 79 of 94
DESIGNED BY: AG	

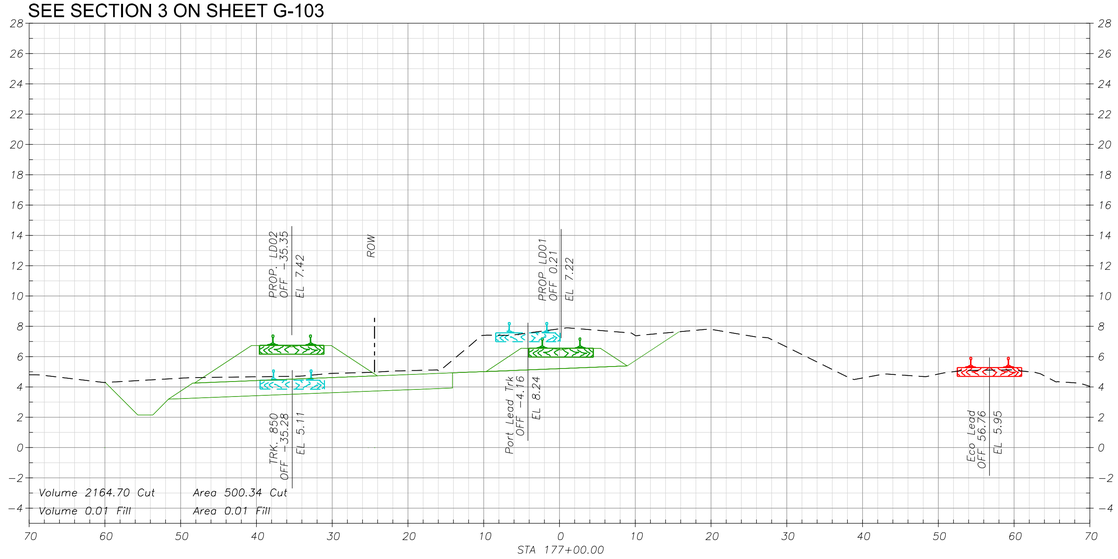
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DESIGN NOTES:

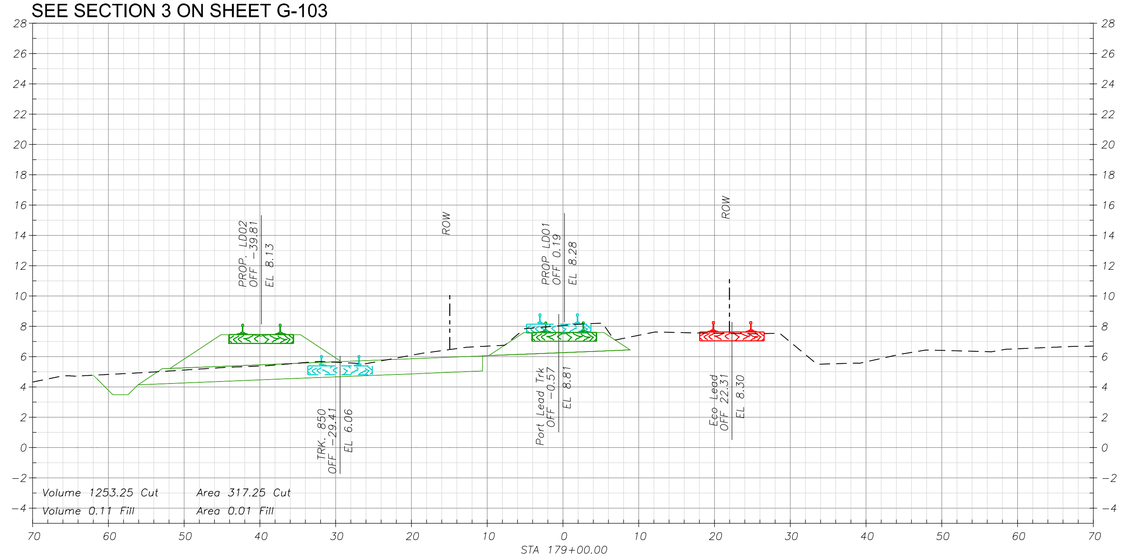
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 3 ON SHEET G-103



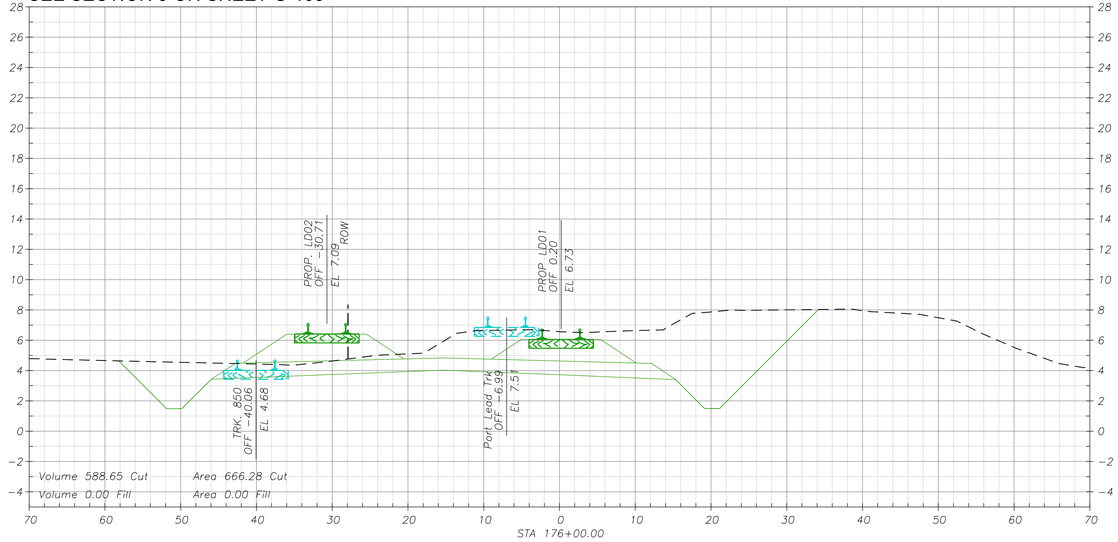
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EL	4.30	4.30	2.16	4.44	2.16	3.19	4.58	4.64	4.67	4.70	4.90	4.97	3.94	7.65	7.37	6.60	5.38	4.61	4.79	4.87	5.10	5.11

SEE SECTION 3 ON SHEET G-103



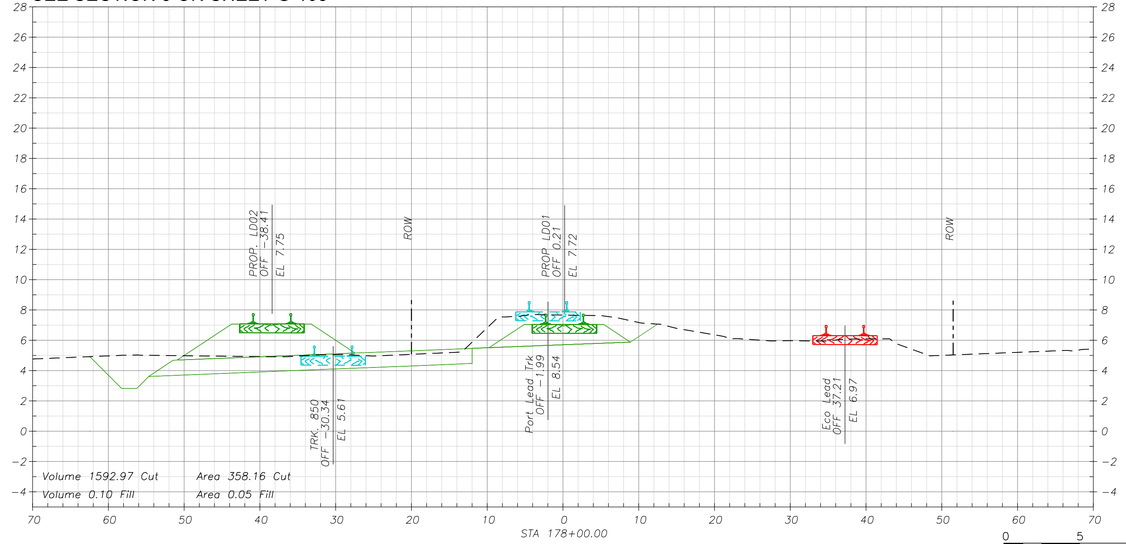
OFF	-61.99	-59.84	-59.41	-57.41	-56.09	-54.84	-49.84	-44.84	-39.84	-34.83	-29.84	-24.84	-10.62	0.10	8.10	25.17	30.17	35.15	40.16	45.16	50.16	55.16	60.15
EL	4.78	4.84	3.49	3.49	4.15	5.02	5.13	5.28	5.39	5.58	5.63	5.65	5.06	5.27	5.43	7.52	6.90	5.53	5.68	6.21	6.41	6.34	6.52

SEE SECTION 3 ON SHEET G-103



OFF	-59.83	-58.41	-54.83	-51.97	-49.96	-49.83	-45.96	-44.83	-39.83	-34.83	-29.83	-24.83	-15.26	15.34	19.33	21.33	25.16	30.17	34.55	35.17	40.17	45.17	50.17	55.17	60.17
EL	4.66	4.65	4.60	1.49	1.49	4.55	3.43	4.49	4.43	4.38	4.64	4.97	4.04	3.41	1.50	1.50	7.98	8.01	8.03	8.04	7.95	7.79	7.48	6.59	5.50

SEE SECTION 3 ON SHEET G-103



OFF	-62.44	-59.83	-58.26	-56.26	-54.83	-54.67	-49.83	-44.85	-39.85	-34.84	-29.83	-24.82	-12.00	12.50	25.15	30.17	35.17	40.17	45.16	50.15	55.16
EL	4.92	4.97	2.83	2.83	5.02	3.62	4.99	4.96	4.93	4.97	5.06	4.97	4.47	7.08	6.05	5.97	5.98	6.10	5.58	5.01	5.11

VERTICAL SCALE 1" = 5'

HORIZONTAL SCALE 1" = 10'

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ISSUE: ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026

REVISIONS:

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PORT OF STOCKTON LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE: LD01 & LD02 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-814
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 80 of 94
DESIGNED BY: AG	

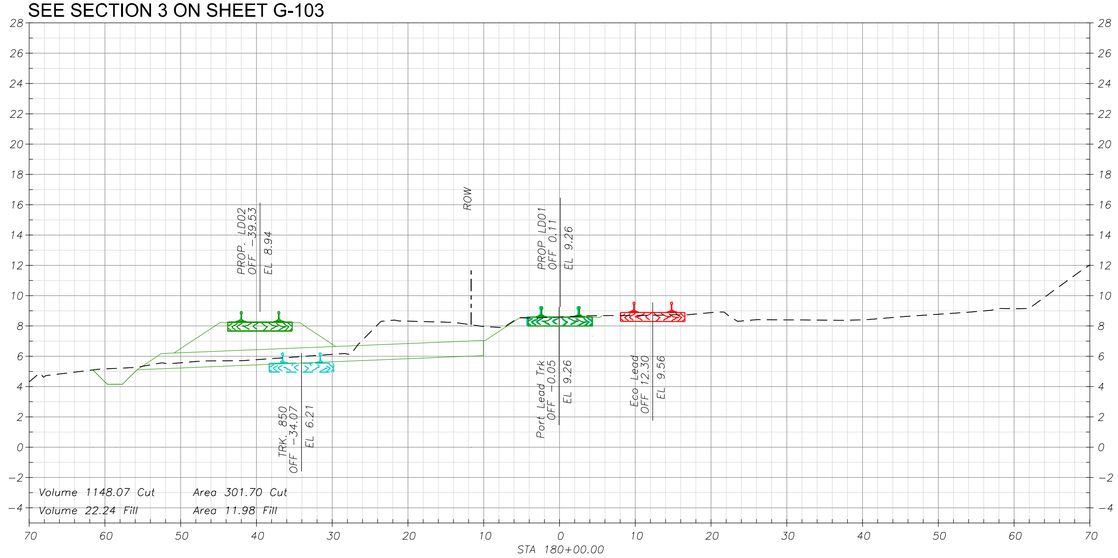
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HammadSaidi
8/29/2026 - 8:40:52 PM - pw://JMA-PW-APP.jmadvlt.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD7/CT-800-1

DESIGN NOTES:

1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 3 ON SHEET G-103



OFF	-61.57	-59.70	-59.91	-57.70	-54.91	-55.77	-49.90	-44.90	-39.91	-34.91	-29.91	-24.92	-10.06	0.08	2.30	25.09	30.08	35.08	40.09	45.09	50.08	55.10	60.10
EL	5.10	4.15	5.17	4.15	5.36	5.14	5.57	5.70	5.78	5.96	6.13	7.62	6.04	6.25	6.29	8.38	8.41	8.39	8.41	8.61	8.78	8.96	9.14

VERTICAL SCALE 1" = 5' (0, 5, 10, 15 FEET)

HORIZONTAL SCALE 1" = 10' (0, 10, 20, 30 FEET)

SUBCONSULTANT:

JMA CIVIL
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SUBCONSULTANT:

HDR
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Sacramento, CA 95833
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www.hdrinc.com
PRIME CONSULTANT:

LICENSED PROFESSIONAL ENGINEER
ARKAPRABHA GHOSH
C91571
Exp. 09/30/26
CIVIL ENGINEER
STATE OF CALIFORNIA
PROFESSIONAL SEAL:

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-
08/31/2026
ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

LD01 & LD02 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-815
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 81 of 94
DESIGNED BY: AG	

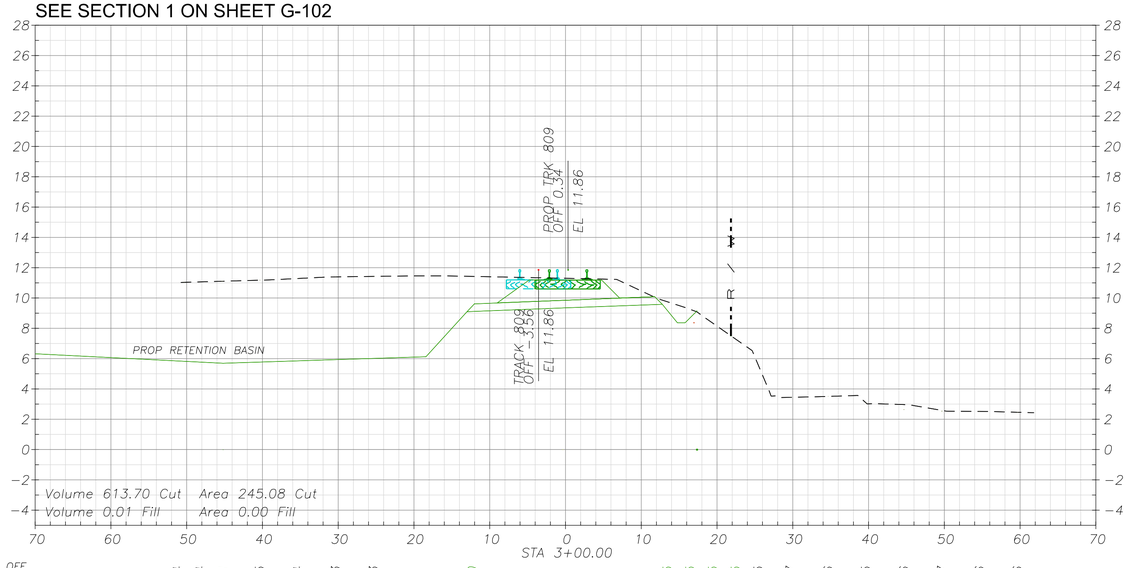
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HammadSaidi
8/30/2026 - 9:36:54 AM - pw://JMA-PW-APP.jmadirdt.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD/T/CT-800-1

DESIGN NOTES:

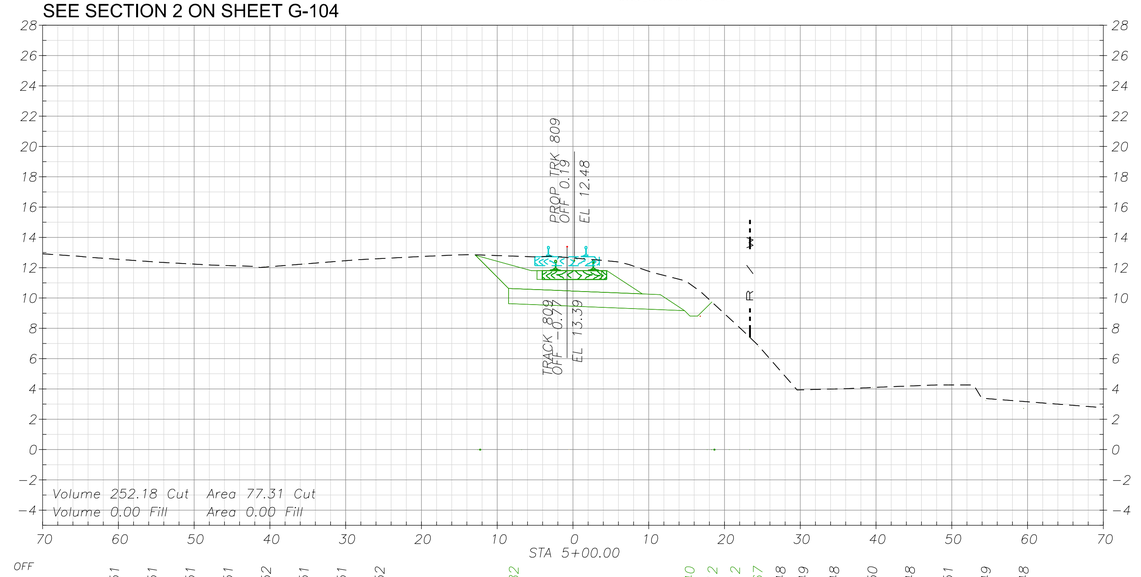
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 1 ON SHEET G-102



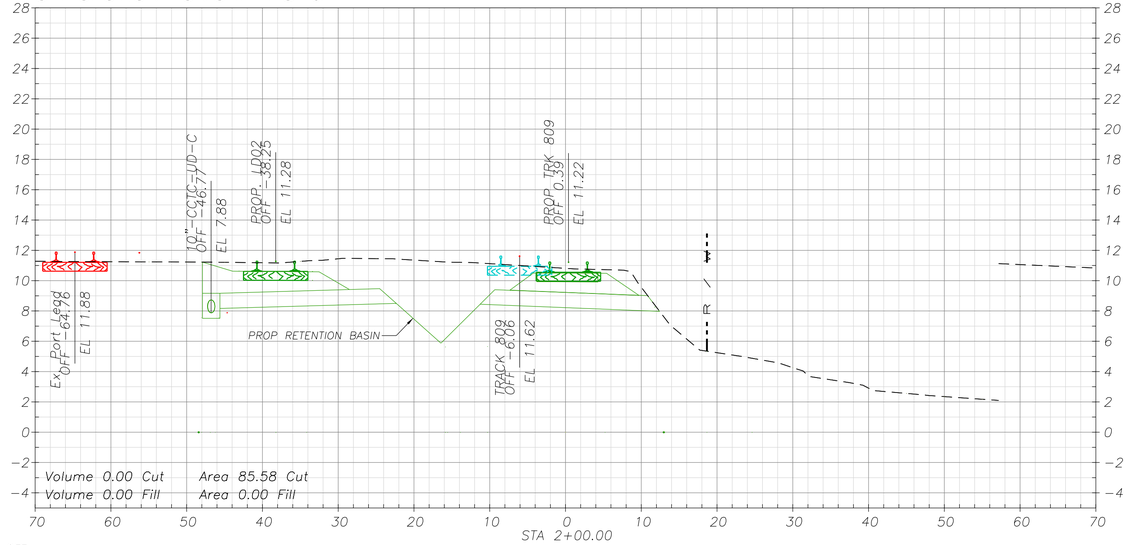
OFF	EL
11.04–50.34	
11.11–45.34	
5.70–45.21	
11.19–40.35	
11.30–35.34	
11.41–30.33	
11.44–25.33	
9.10–12.30	
9.59	13.45
8.37	15.45
8.37	16.45
9.02	17.75
6.49	24.65
3.45	29.67
3.52	34.66
3.07	39.65
2.65	44.66
2.54	49.67
2.54	54.66
2.46	59.66

SEE SECTION 2 ON SHEET G-104



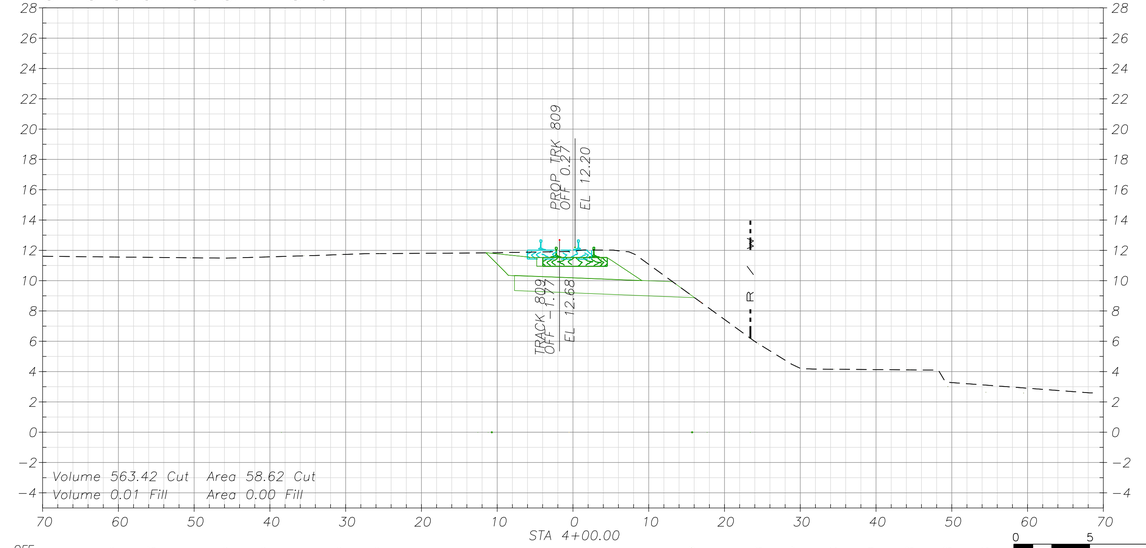
OFF	EL
12.57–60.51	
12.40–55.51	
12.26–50.51	
12.15–45.51	
12.06–40.52	
12.26–35.51	
12.45–30.51	
12.61–25.52	
9.63	–7.82
9.17	15.40
8.81	16.12
8.81	17.12
9.58	18.67
6.80	24.48
3.95	29.49
4.01	34.48
4.10	39.50
4.20	44.48
4.27	49.51
3.23	54.49
2.72	59.48

SEE SECTION 1 ON SHEET G-102



OFF	EL
11.25	–59.98
11.24	–54.98
11.23	–49.97
7.56	–47.77
11.21	–44.98
7.55	–45.77
11.19	–39.98
11.28	–34.99
11.46	–29.99
11.46	–24.99
8.51	–22.35
5.88	–16.46
8.46	–11.28
7.98	12.40
4.85	25.01
4.26	30.01
3.47	35.01
2.90	40.01
2.56	45.01
2.35	50.01
2.17	55.01
8.96	60.01

SEE SECTION 2 ON SHEET G-104



OFF	EL
11.56–60.52	
11.54–55.53	
11.51–50.51	
11.50–45.52	
11.57–40.52	
11.65–35.51	
11.73–30.52	
11.79–25.52	
9.36	–7.74
8.88	16.05
5.83	24.48
4.33	29.47
4.16	34.50
4.14	39.49
4.12	44.48
3.01	49.48
2.64	54.50

VERTICAL SCALE 1" = 5' (0, 5, 10, 15 FEET)

HORIZONTAL SCALE 1" = 10' (0, 10, 20, 30 FEET)

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PRIME CONSULTANT:

PROFESSIONAL SEAL: LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA

ISSUE: ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE: TRACK 809 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-816
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 82 of 94

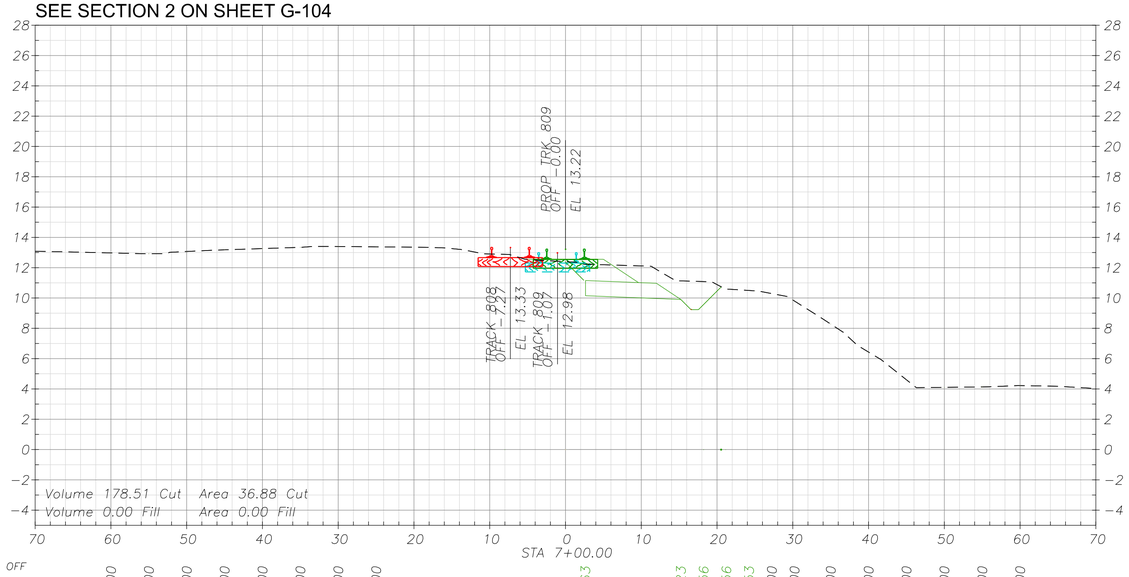
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DESIGN NOTES:

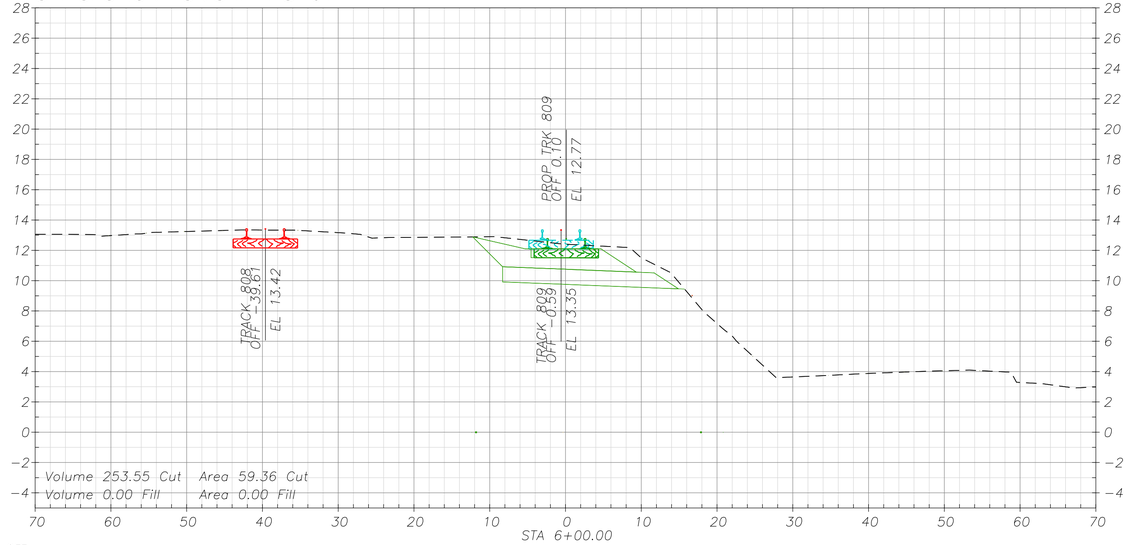
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 2 ON SHEET G-104



OFF	EL
12.98–60.00	
12.93–55.00	
13.07–50.00	
13.19–45.00	
13.27–40.00	
13.35–35.00	
13.41–30.00	
13.38–25.00	
	10.16 2.63
	9.91 15.23
	9.25 16.56
	9.25 17.56
	10.74 20.53
	10.47 25.00
	9.87 30.00
	8.29 35.00
	6.43 40.00
	4.61 45.00
	4.11 50.00
	4.14 55.00
	4.23 60.00

SEE SECTION 2 ON SHEET G-104



OFF	EL
12.97–60.33	
13.15–55.33	
13.25–50.32	
13.31–45.32	
13.34–40.33	
13.33–35.33	
13.18–30.32	
12.82–25.33	
	9.92 –7.91
	9.46 15.32
	9.45 15.71
	5.01 24.70
	3.65 29.69
	3.75 34.68
	3.88 39.69
	3.98 44.68
	4.06 49.70
	4.06 54.67
	3.29 59.69

VERTICAL SCALE 1" = 5' (0, 5, 10, 15 FEET)

HORIZONTAL SCALE 1" = 10' (0, 10, 20, 30 FEET)

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ISSUE: ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026

REVISIONS:

MARK	DATE	DESCRIPTION
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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE: TRACK 809 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-817
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 83 of 94

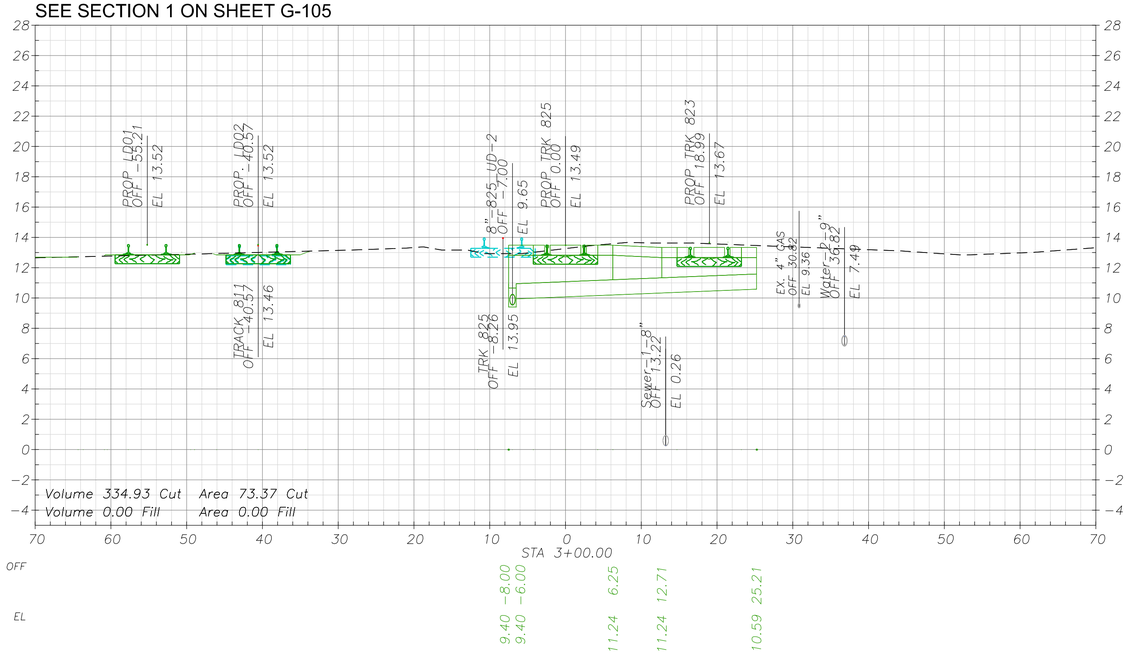
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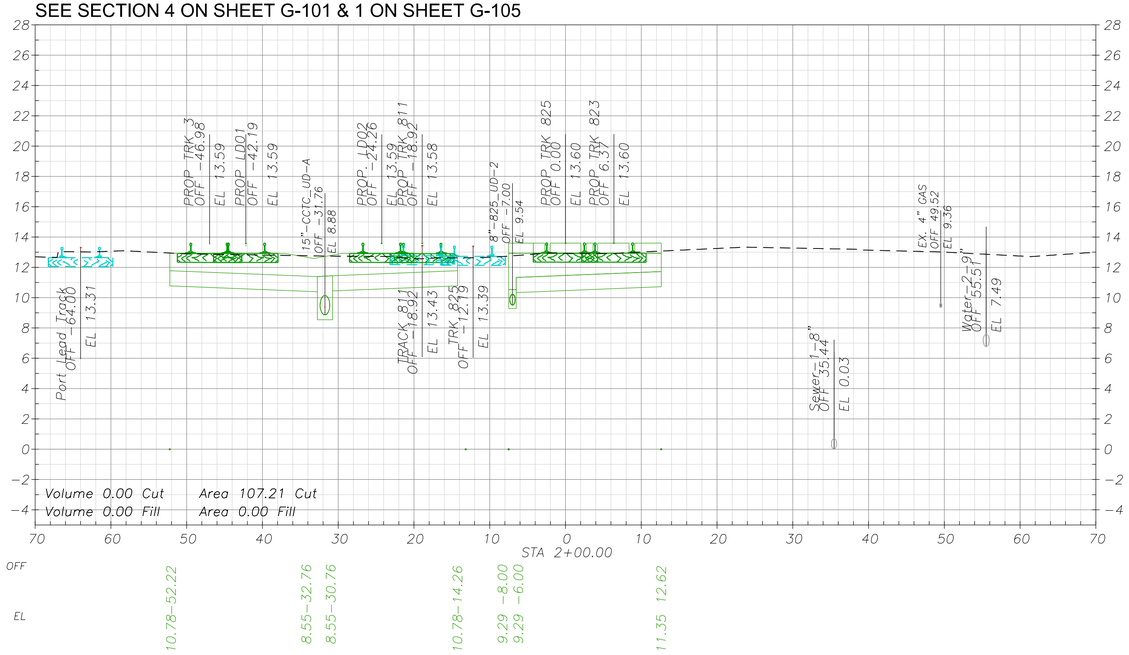
DESIGN NOTES:

1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

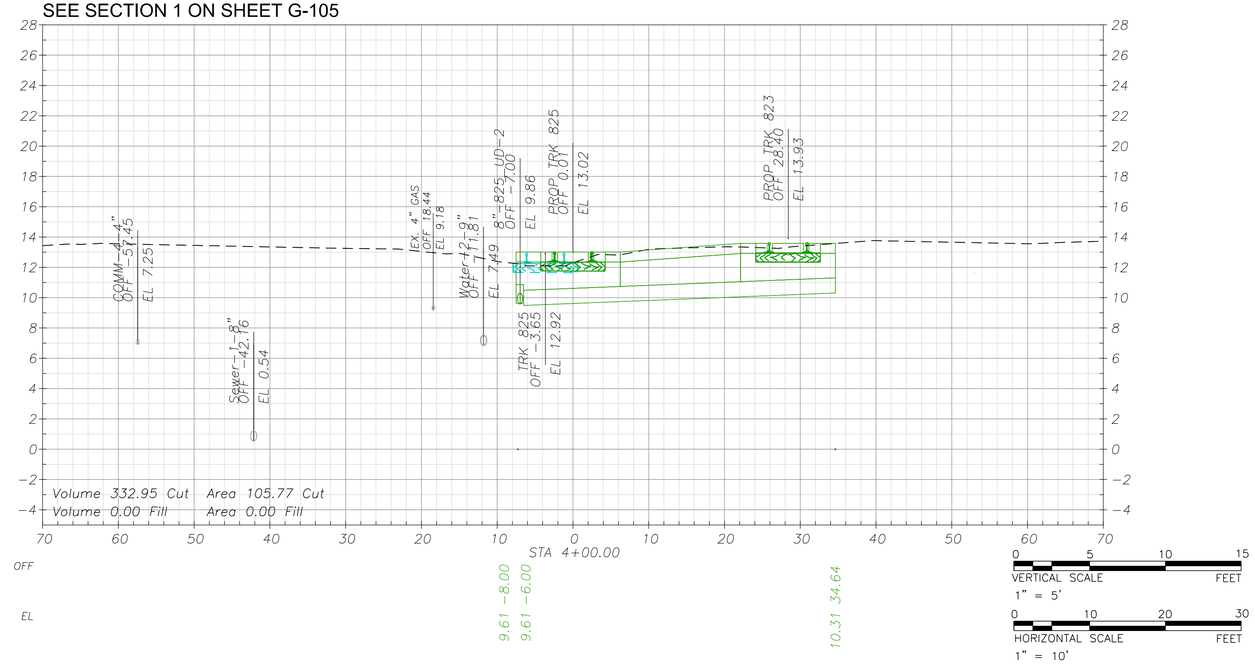
SEE SECTION 1 ON SHEET G-105



SEE SECTION 4 ON SHEET G-101 & 1 ON SHEET G-105



SEE SECTION 1 ON SHEET G-105



VERTICAL SCALE 1" = 5' (0, 5, 10, 15 FEET)

HORIZONTAL SCALE 1" = 10' (0, 10, 20, 30 FEET)

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8/30/2026 - 9:25:16 AM - pw://JMA-PW-APP.jmadvkt.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLDTCT-800-3

SUBCONSULTANT:	SUBCONSULTANT: JMA CIVIL, 5250 Claremont Ave, Suite 227, Stockton, CA 95207, T: 925.400.4356, www.jmacivil.com	PRIME CONSULTANT: HDR, 2379 Gateway Oaks, Ste. 200, Sacramento, CA 95833, T: 916.679.8700, www.hdrinc.com	PROFESSIONAL SEAL: LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA	ISSUE: ISSUED FOR BID NOT FOR CONSTRUCTION - 08/31/2026	REVISIONS: 0 / 08/31/2026 / ISSUED FOR BID (MARK / DATE / DESCRIPTION)

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE: TRACK 823 & 825 CROSS SECTIONS

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

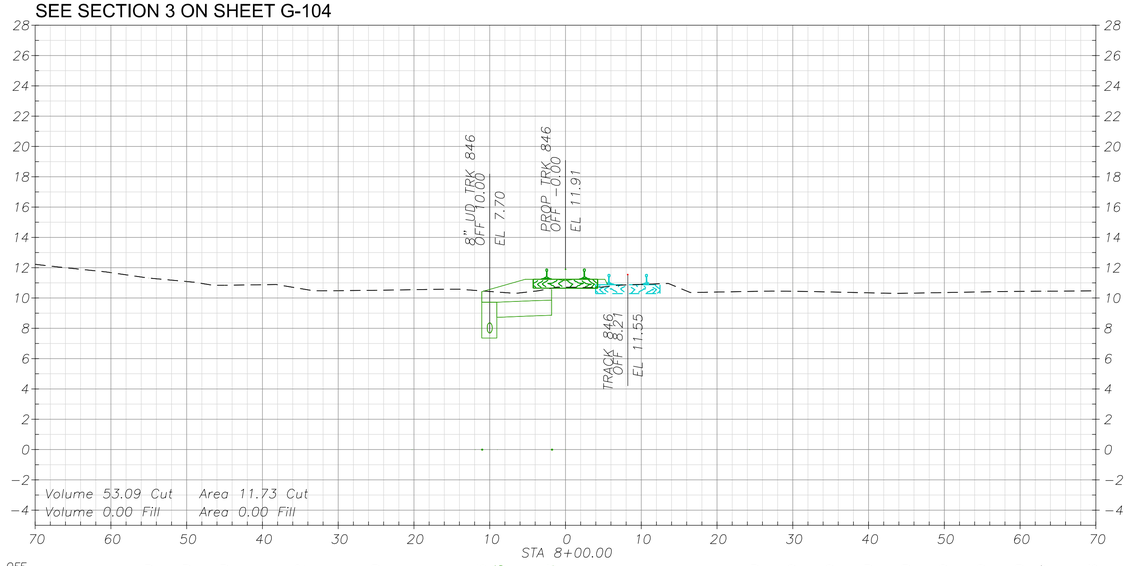
SHEET NO. CT-818
SHEET 84 of 94

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DESIGN NOTES:

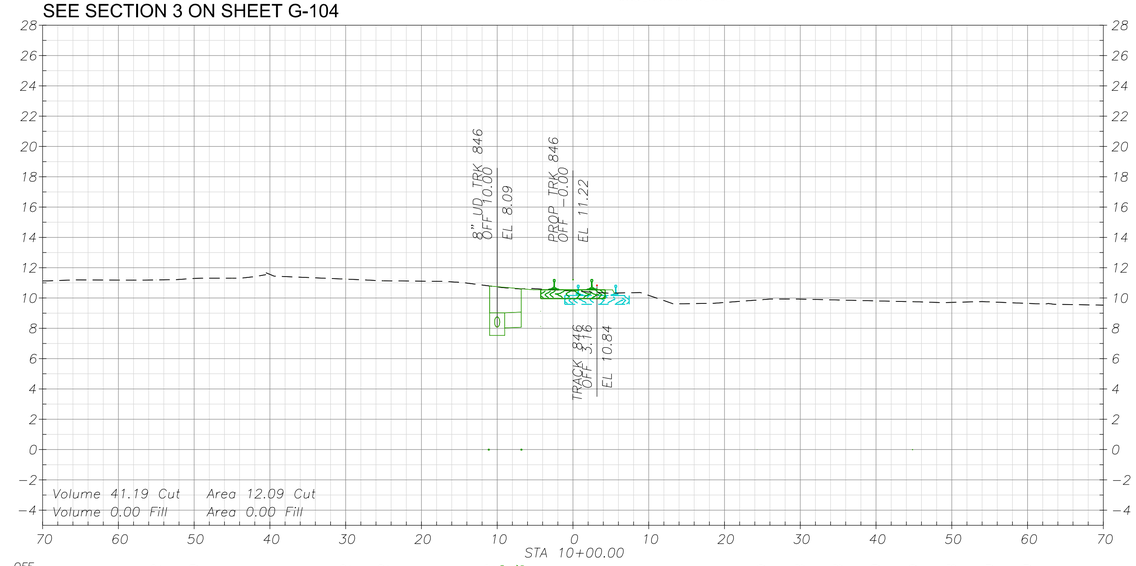
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 3 ON SHEET G-104



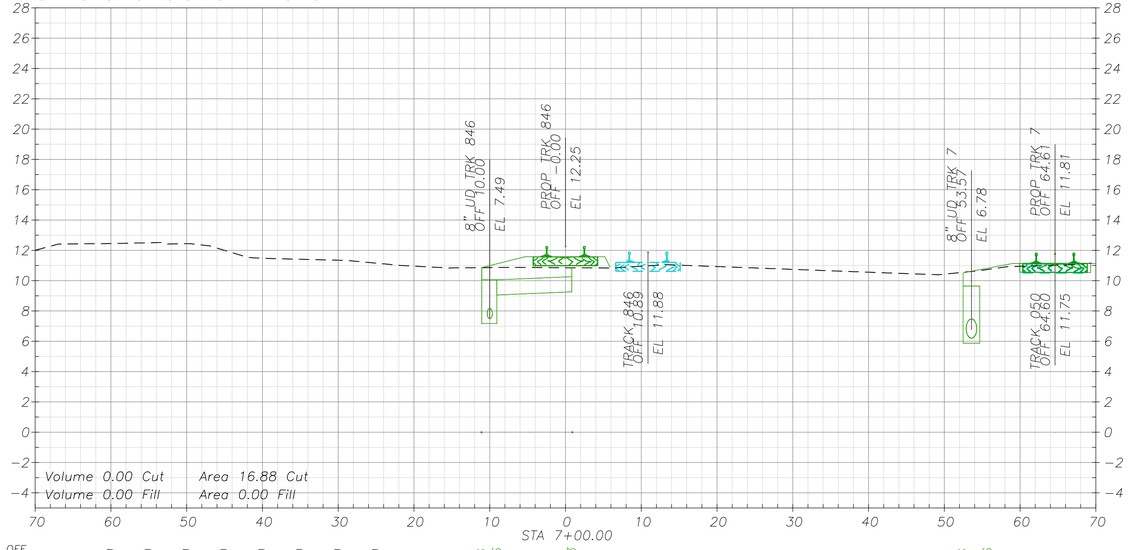
OFF	EL
-60.01	11.68
-55.00	11.33
-50.00	11.09
-45.00	10.85
-40.01	10.88
-35.02	10.63
-30.01	10.49
-25.00	10.52
-11.05	7.37
-9.05	7.37
-1.84	8.87
25.00	10.44
29.99	10.45
34.99	10.41
40.00	10.35
45.00	10.32
49.99	10.36
54.99	10.41
60.00	10.44
63.37	10.45
69.66	10.47

SEE SECTION 3 ON SHEET G-104



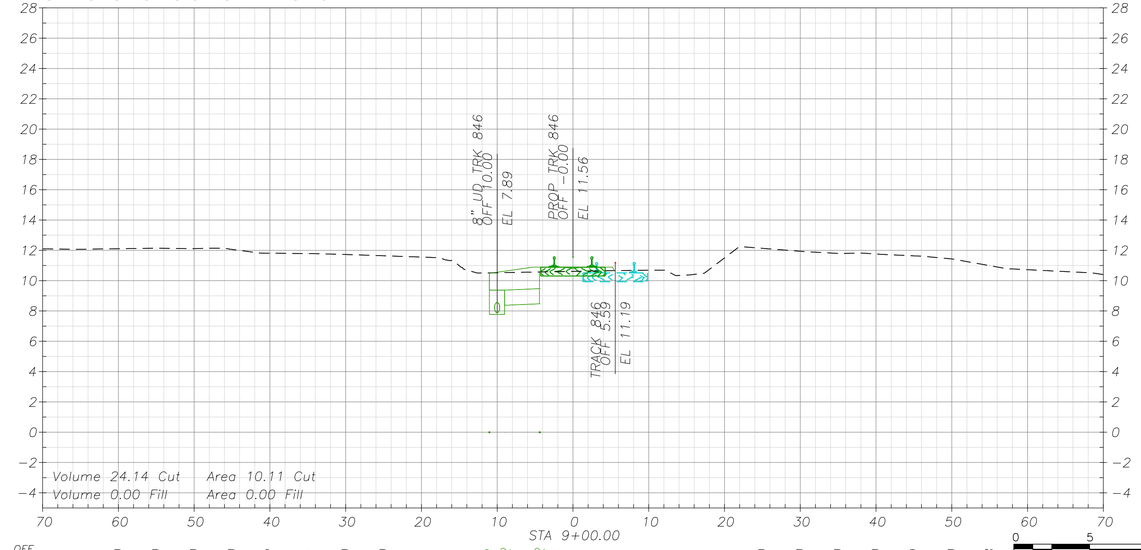
OFF	EL
-60.01	11.19
-55.02	11.20
-50.00	11.29
-45.01	11.31
-35.01	11.36
-30.02	11.26
-25.02	11.14
-11.02	7.54
-9.02	7.54
-6.83	8.08
24.99	9.89
29.98	9.87
34.98	9.79
40.00	9.73
44.99	9.77
49.98	9.72
55.00	9.75
60.00	9.65

SEE SECTION 3 ON SHEET G-104



OFF	EL
-60.00	12.45
-55.00	12.50
-50.00	12.44
-45.00	12.01
-40.00	11.49
-35.00	11.42
-30.00	11.36
-25.00	11.16
-11.06	7.17
-9.06	7.17
0.83	9.26
52.46	6.46
54.46	6.46

SEE SECTION 3 ON SHEET G-104



OFF	EL
-60.00	12.11
-55.00	12.14
-50.00	12.12
-45.00	12.07
-40.02	11.82
-35.01	11.80
-30.00	11.73
-25.00	11.65
-11.02	7.78
-4.42	8.47
25.00	12.14
30.00	11.94
35.00	11.80
40.00	11.77
44.99	11.64
50.00	11.45
54.98	11.00

VERTICAL SCALE 1" = 5' (0, 5, 10, 15 FEET)

HORIZONTAL SCALE 1" = 10' (0, 10, 20, 30 FEET)

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

TRACK 846 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-819
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 85 of 94
DESIGNED BY: AG	

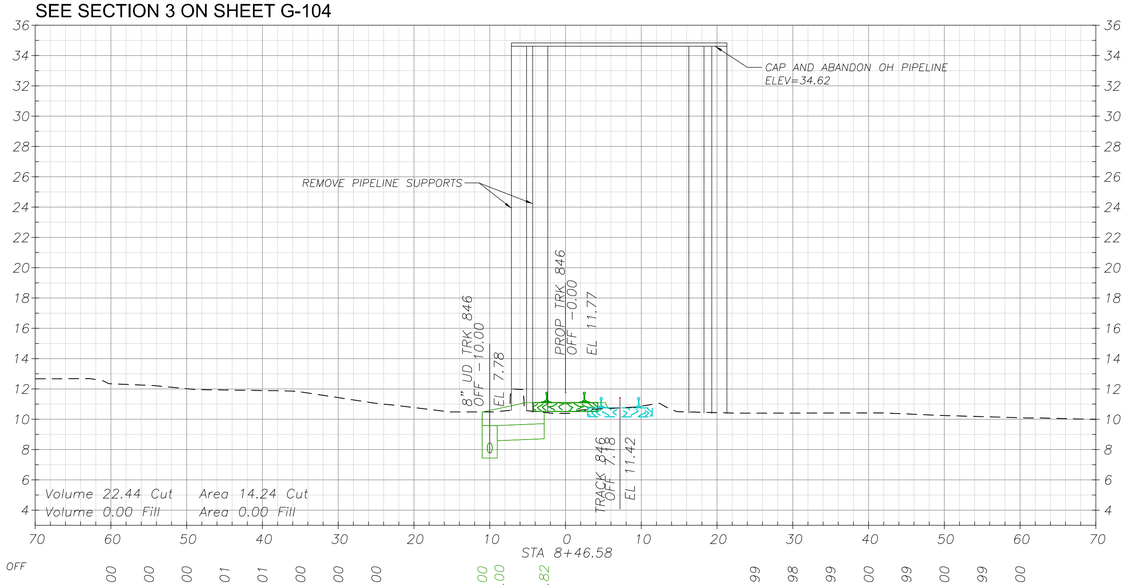
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DESIGN NOTES:

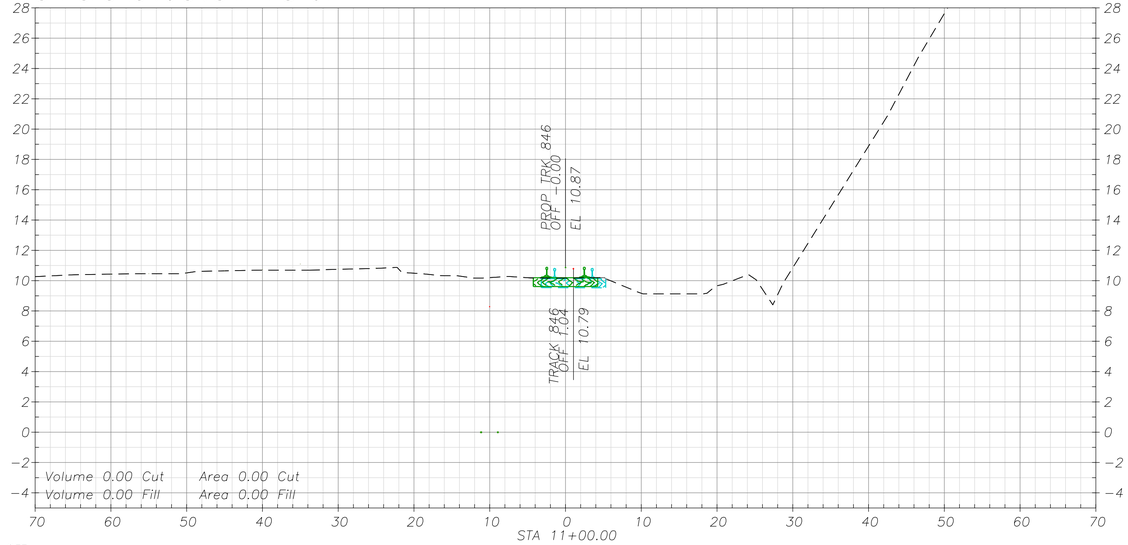
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 3 ON SHEET G-104



OFF	12.34–60.00	12.25–55.00	12.03–50.00	11.94–45.01	11.91–40.01	11.81–35.00	11.43–30.00	11.05–25.00	7.44–11.00	7.44 –9.00	8.71 –2.82	10.41 24.99	10.41 29.98	10.42 34.99	10.42 40.00	10.36 44.99	10.25 50.00	10.17 54.99	10.10 60.00
EL																			

SEE SECTION 3 ON SHEET G-104



OFF	10.43–60.00	10.47–55.01	10.52–50.01	10.65–45.01	10.73–40.00	11.11–35.01	10.78–30.00	10.84–25.00	10.14 25.00	10.83 30.00	14.83 34.99	18.84 39.99	23.21 44.99	27.62 50.00	32.05 55.00	36.93 60.00
EL																

VERTICAL SCALE 0 5 10 15 FEET
1" = 5'

HORIZONTAL SCALE 0 10 20 30 FEET
1" = 10'

SUBCONSULTANT:

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PRIME CONSULTANT:

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PROFESSIONAL SEAL:

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NOT FOR
CONSTRUCTION
-
08/31/2026
ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
TRACK 846 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-820
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 86 of 94
DESIGNED BY: AG	

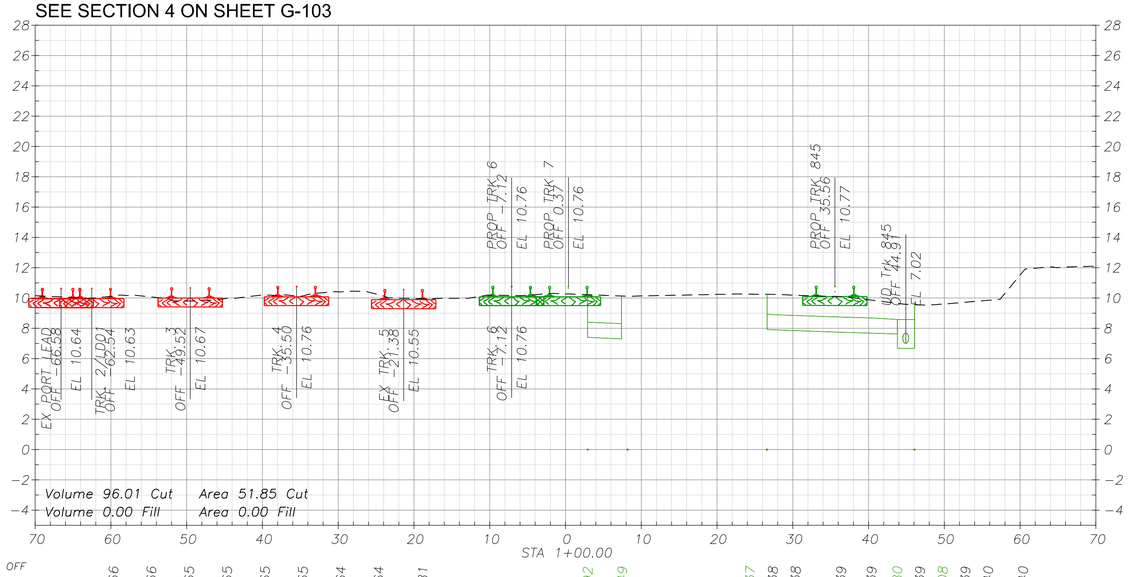
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DESIGN NOTES:

1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

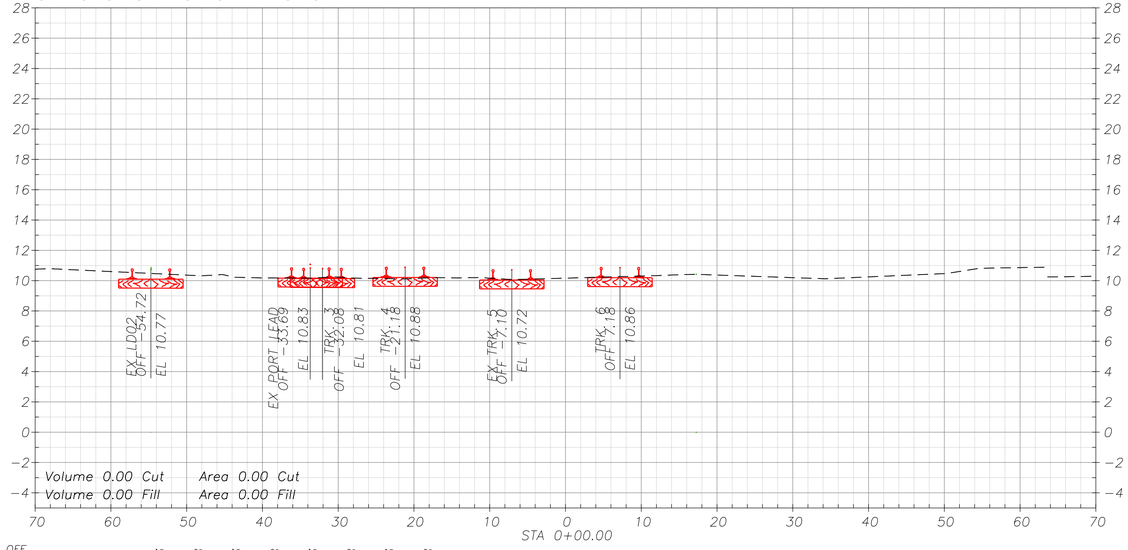
SEE SECTION 4 ON SHEET G-103



OFF 10.13–59.66 10.07–54.66 9.82–49.65 10.00–44.65 10.21–39.65 10.15–34.65 10.41–29.64 10.22–24.64 9.39–18.81 7.41 2.92 7.21 7.49 7.96 24.37 10.26 25.38 10.19 30.38 10.11 35.39 9.87 40.39 6.69 43.80 9.58 45.39 6.69 46.08 9.62 50.39 9.84 55.40 11.77 60.40

EL

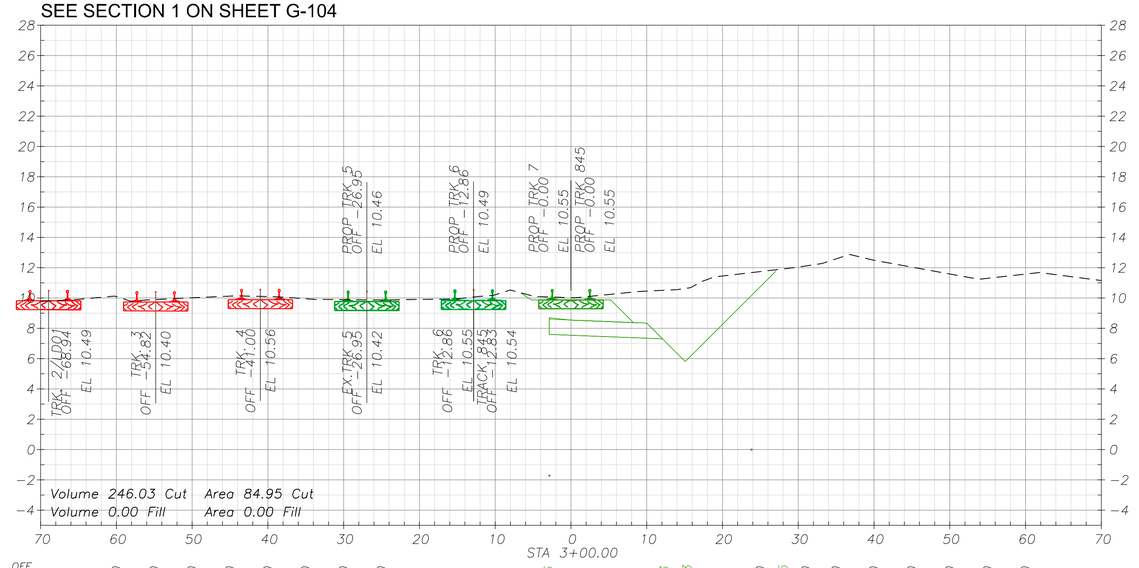
SEE SECTION 1 ON SHEET G-104



OFF 10.27–53.43 10.32–48.38 10.23–43.33 10.19–38.28 10.18–33.23 10.19–28.18 10.14–23.13 10.19–18.08

EL

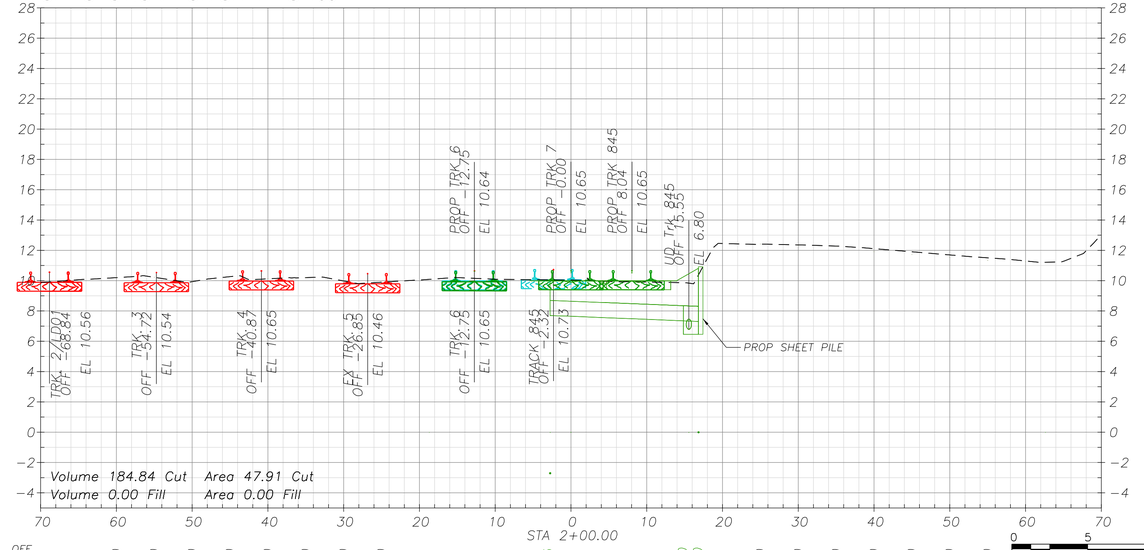
SEE SECTION 1 ON SHEET G-104



OFF 10.10–60.00 9.90–55.00 10.03–50.00 10.13–45.00 10.10–40.00 9.96–35.00 9.89–30.00 9.88–25.00 6.65 –2.86 7.30 12.33 5.80 15.33 11.75 25.00 11.80 27.35 12.05 30.00 12.59 35.00 12.49 40.00 12.04 45.00 11.59 50.00 11.31 55.00 11.59 60.00

EL

SEE SECTION 4 ON SHEET G-103



OFF 10.21–60.00 10.23–55.00 9.95–50.00 10.27–45.00 10.13–40.00 10.20–35.00 9.99–30.00 9.91–25.00 7.76 –2.75 6.46 14.80 6.46 16.80 12.42 25.00 12.34 30.00 12.27 35.00 11.92 40.00 11.73 45.00 11.54 50.00 11.35 55.00

EL

VERTICAL SCALE 1" = 5' (0, 5, 10, 15 FEET)

HORIZONTAL SCALE 1" = 10' (0, 10, 20, 30 FEET)

HammadSaidiq
8/30/2026 - 9:26:24 AM - pw://JMA-PW-APP.jmadvlt.com:JMA-PW/Documents/Projects/21273-HDR/Civil/Sheets/LLDTGT-800-3

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PRIME CONSULTANT:

LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA
PROFESSIONAL SEAL:

ISSUED FOR BID
NOT FOR CONSTRUCTION
-
08/31/2026
ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON CALIFORNIA

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
TRACK 7 CROSS SECTIONS

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

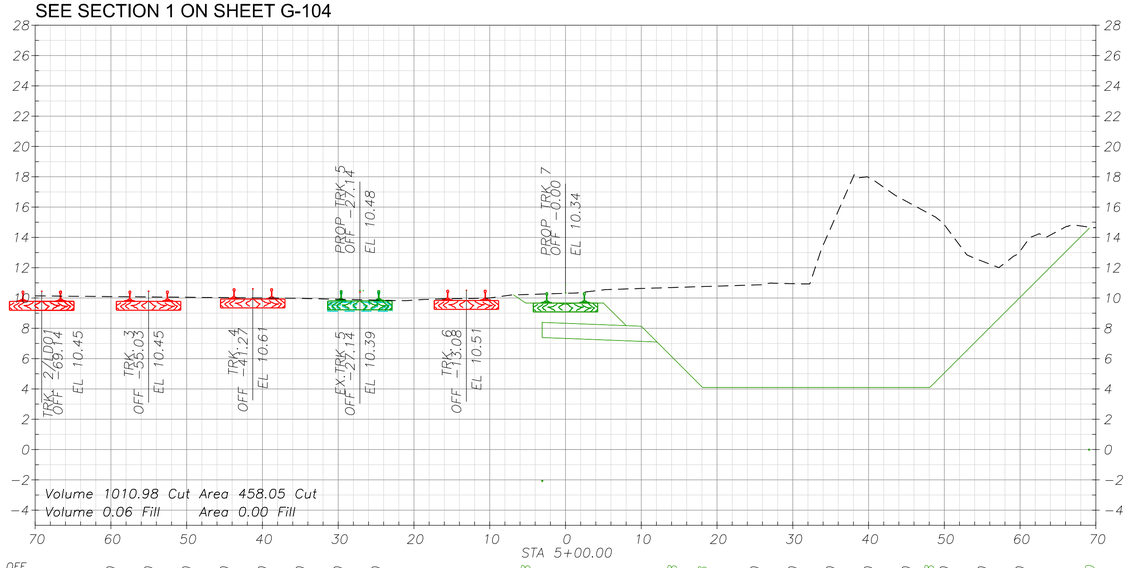
SHEET NO.
CT-821
SHEET 87 of 94

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DESIGN NOTES:

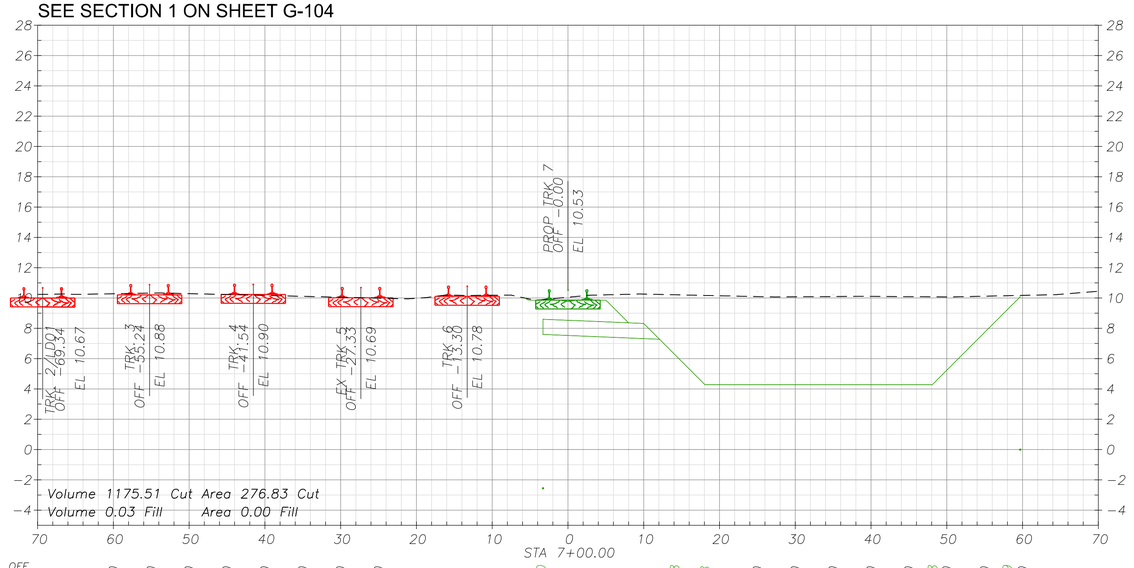
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 1 ON SHEET G-104



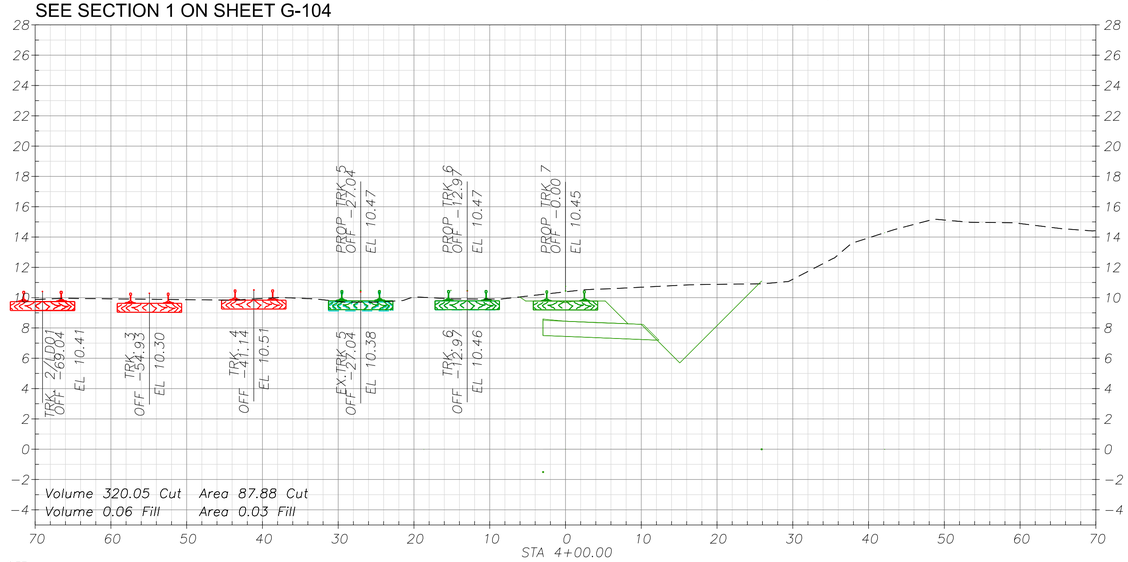
OFF	EL
-60.00 to -55.00	10.12
-55.00 to -50.00	10.11
-50.00 to -45.00	10.05
-45.00 to -40.00	9.95
-40.00 to -35.00	9.87
-35.00 to -30.00	9.98
-30.00 to -25.00	9.92
-25.00 to -3.08	9.87
-3.08 to 7.40	
7.40 to 12.08	7.10
12.08 to 18.08	5.06
18.08 to 25.00	11.17
25.00 to 30.00	11.02
30.00 to 35.00	14.64
35.00 to 40.00	17.96
40.00 to 45.00	16.37
45.00 to 48.08	4.10
48.08 to 50.00	14.83
50.00 to 55.00	12.43
55.00 to 60.00	13.10
60.00 to 69.10	14.68

SEE SECTION 1 ON SHEET G-104



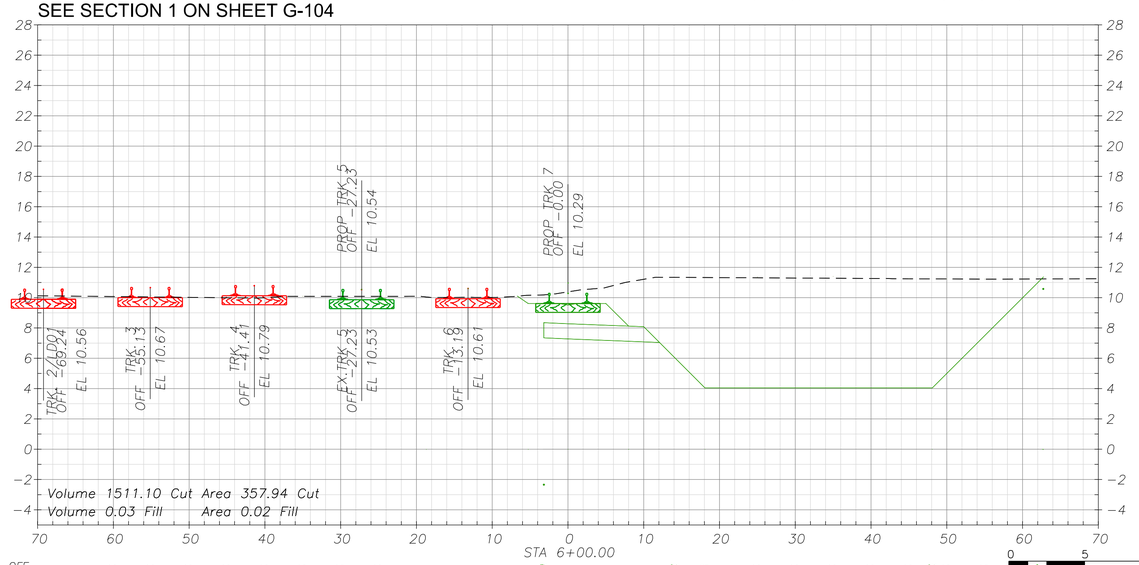
OFF	EL
-60.00 to -55.00	10.12
-55.00 to -50.00	10.15
-50.00 to -45.00	10.20
-45.00 to -40.00	10.23
-40.00 to -35.00	10.17
-35.00 to -30.00	10.11
-30.00 to -25.00	10.05
-25.00 to -3.30	9.99
-3.30 to 7.60	
7.60 to 12.08	7.29
12.08 to 18.08	4.29
18.08 to 25.00	10.45
25.00 to 30.00	10.34
30.00 to 35.00	10.22
35.00 to 40.00	10.13
40.00 to 45.00	10.19
45.00 to 48.08	4.29
48.08 to 50.00	10.24
50.00 to 55.00	10.26
55.00 to 59.69	10.19
59.69 to 60.00	10.24

SEE SECTION 1 ON SHEET G-104



OFF	EL
-60.00 to -55.00	9.71
-55.00 to -50.00	9.73
-50.00 to -45.00	9.82
-45.00 to -40.00	9.95
-40.00 to -35.00	9.96
-35.00 to -30.00	9.76
-30.00 to -25.00	9.71
-25.00 to -2.97	
-2.97 to 7.81	
7.81 to 12.33	7.20
12.33 to 15.33	5.70
15.33 to 25.00	10.89
25.00 to 25.79	10.93
25.79 to 30.00	10.98
30.00 to 35.00	12.48
35.00 to 40.00	13.95
40.00 to 45.00	14.71
45.00 to 50.00	15.13
50.00 to 55.00	14.97
55.00 to 60.00	14.90

SEE SECTION 1 ON SHEET G-104



OFF	EL
-60.00 to -55.00	10.14
-55.00 to -50.00	10.15
-50.00 to -45.00	10.04
-45.00 to -40.00	10.11
-40.00 to -35.00	10.00
-35.00 to -30.00	10.09
-30.00 to -25.00	10.09
-25.00 to -3.19	10.09
-3.19 to 7.35	
7.35 to 12.08	7.04
12.08 to 18.08	4.04
18.08 to 25.00	11.38
25.00 to 30.00	11.41
30.00 to 35.00	11.41
35.00 to 40.00	11.27
40.00 to 45.00	11.25
45.00 to 48.08	4.04
48.08 to 50.00	11.24
50.00 to 55.00	11.23
55.00 to 59.69	10.19
59.69 to 60.00	10.24

VERTICAL SCALE 1" = 5' (0, 5, 10, 15 FEET)

HORIZONTAL SCALE 1" = 10' (0, 10, 20, 30 FEET)

HammadSaidiq
8/30/2026 - 9:26:38 AM - pw://JMA-PW-APP.jmadvlt.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLDTCT-800-3

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STATE OF CALIFORNIA
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08/31/2026
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REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK
315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
TRACK 7 CROSS SECTIONS

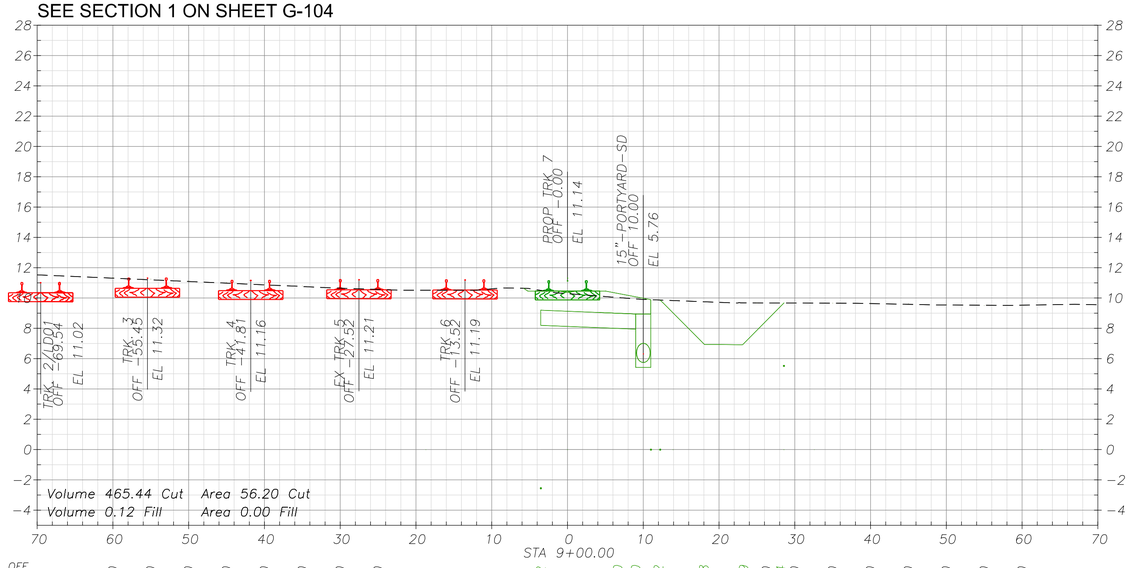
PROJ NO: 21273	SHEET NO. CT-822
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 88 of 94

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DESIGN NOTES:

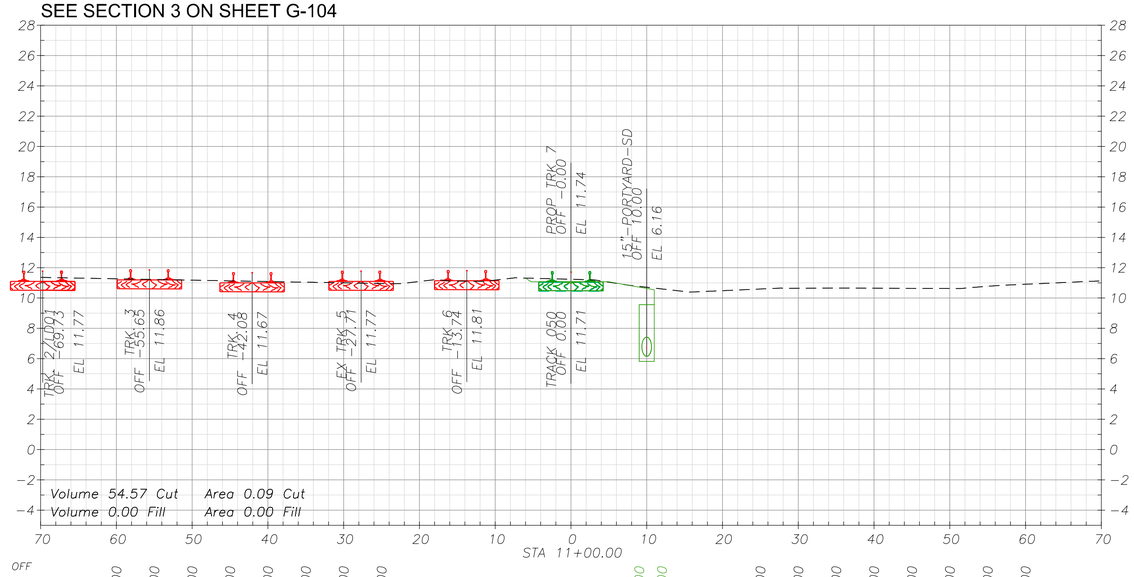
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 1 ON SHEET G-104



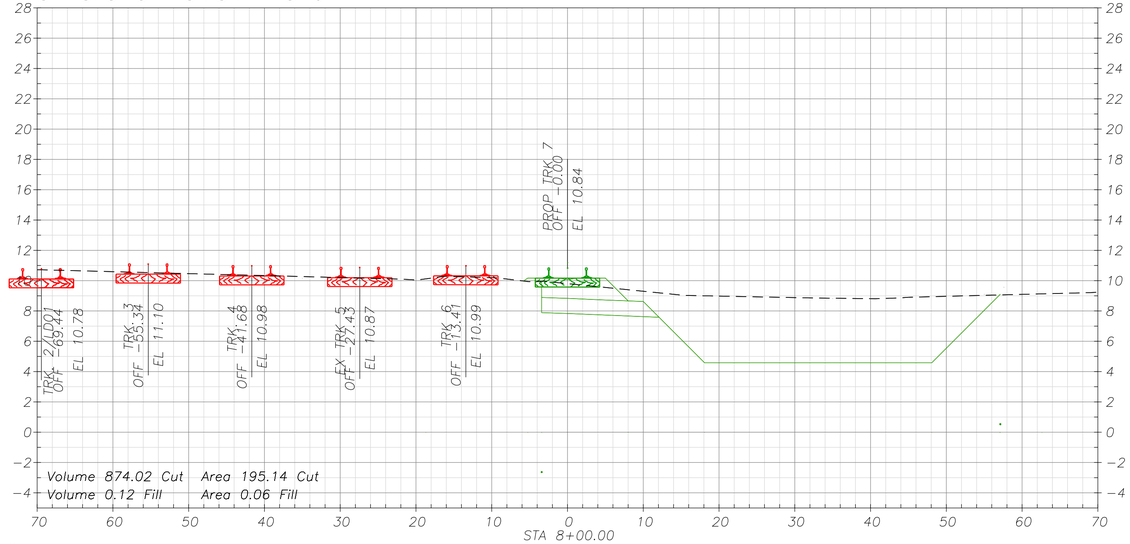
OFF	EL
−60.00	11.36
−55.00	11.25
−50.00	11.14
−45.00	11.03
−40.00	10.92
−35.00	10.81
−30.00	10.70
−25.00	10.59
−3.52	8.20
9.00	5.43
11.00	5.43
12.22	9.87
18.08	6.94
23.09	6.94
25.00	9.68
28.54	9.67
30.00	9.67
35.00	9.67
40.00	9.65
45.00	9.63
50.00	9.61
55.00	9.51
60.00	9.53

SEE SECTION 3 ON SHEET G-104



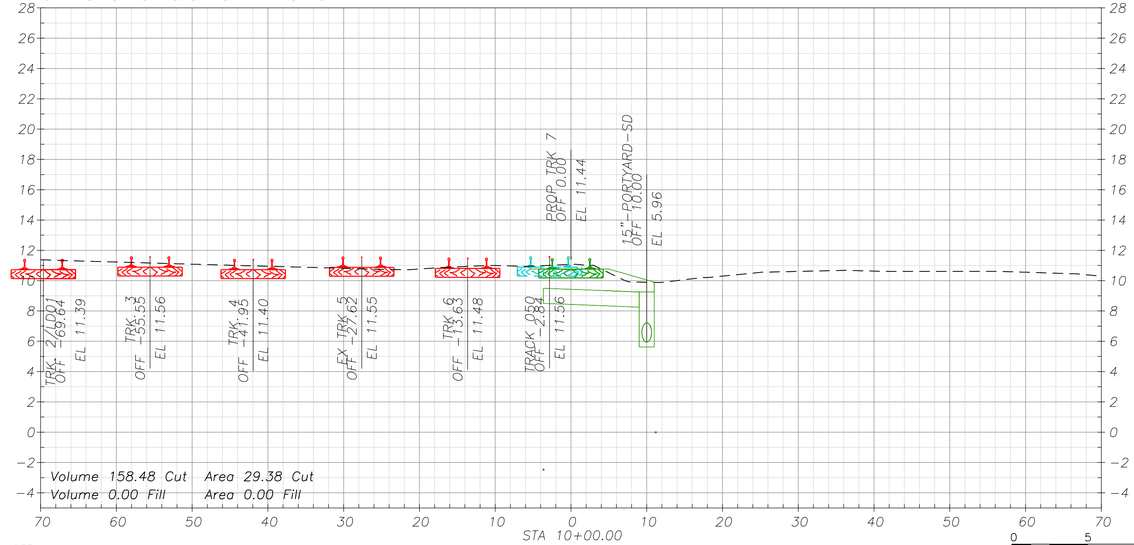
OFF	EL
−60.00	11.21
−55.00	11.18
−50.00	11.14
−45.00	11.10
−40.00	11.07
−35.00	11.03
−30.00	10.99
−25.00	10.96
9.00	5.83
11.00	5.83
25.00	10.60
30.00	10.65
35.00	10.65
40.00	10.65
45.00	10.64
50.00	10.63
55.00	10.78
60.00	10.92

SEE SECTION 1 ON SHEET G-104



OFF	EL
−60.00	10.27
−55.00	10.20
−50.00	10.23
−45.00	10.21
−40.00	10.19
−35.00	10.16
−30.00	10.14
−25.00	10.12
−3.40	7.90
12.08	7.59
18.08	4.59
25.00	8.83
30.00	8.83
35.00	8.83
40.00	8.83
45.00	8.90
48.08	4.59
50.00	9.07
55.00	9.10
57.03	9.07
60.00	9.13

SEE SECTION 3 ON SHEET G-104



OFF	EL
−60.00	10.95
−55.00	10.92
−50.00	10.89
−45.00	10.87
−40.00	10.84
−35.00	10.81
−30.00	10.78
−25.00	10.76
−3.63	8.51
9.00	8.26
9.00	5.63
11.00	5.63
25.00	10.56
30.00	10.62
35.00	10.67
40.00	10.63
45.00	10.61
50.00	10.61
55.00	10.62
60.00	10.64

VERTICAL SCALE 1" = 5' (0, 5, 10, 15 FEET)

HORIZONTAL SCALE 1" = 10' (0, 10, 20, 30 FEET)

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8/30/2026 - 9:27:14 AM - pw://JMA-PW-APP.jmadvlt.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLDTCT-800-3

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PRIME CONSULTANT:

PROFESSIONAL SEAL:

LICENSED PROFESSIONAL ENGINEER — ARKAPRABHA GHOSH — C91571 — Exp. 09/30/26 — CIVIL ENGINEER — STATE OF CALIFORNIA

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

TRACK 7 CROSS SECTIONS

PROJ NO: 21273	
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	

SHEET NO. CT-823

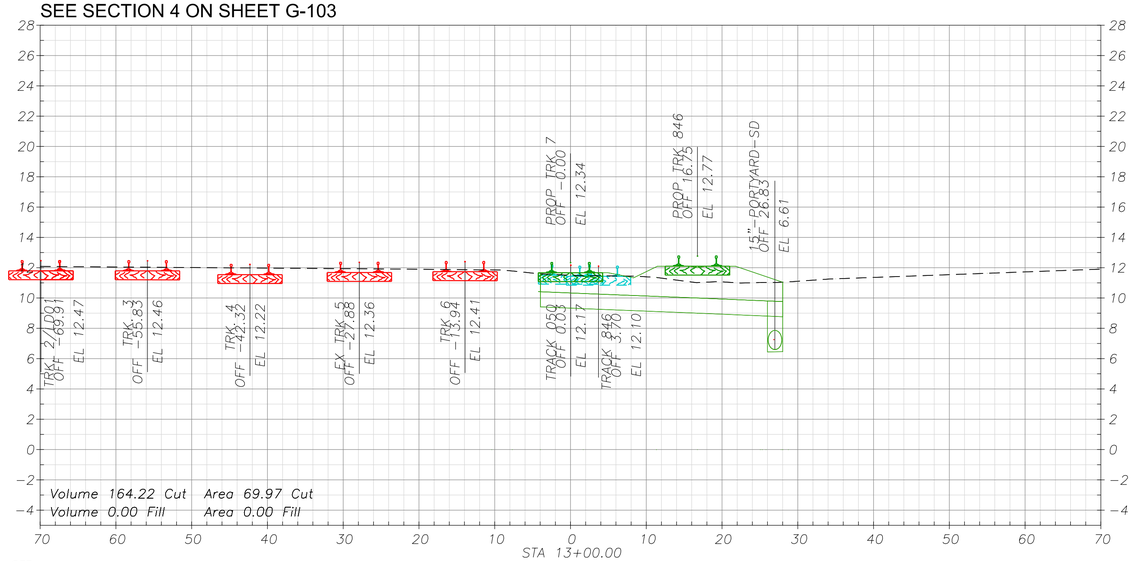
SHEET 89 of 94

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DESIGN NOTES:

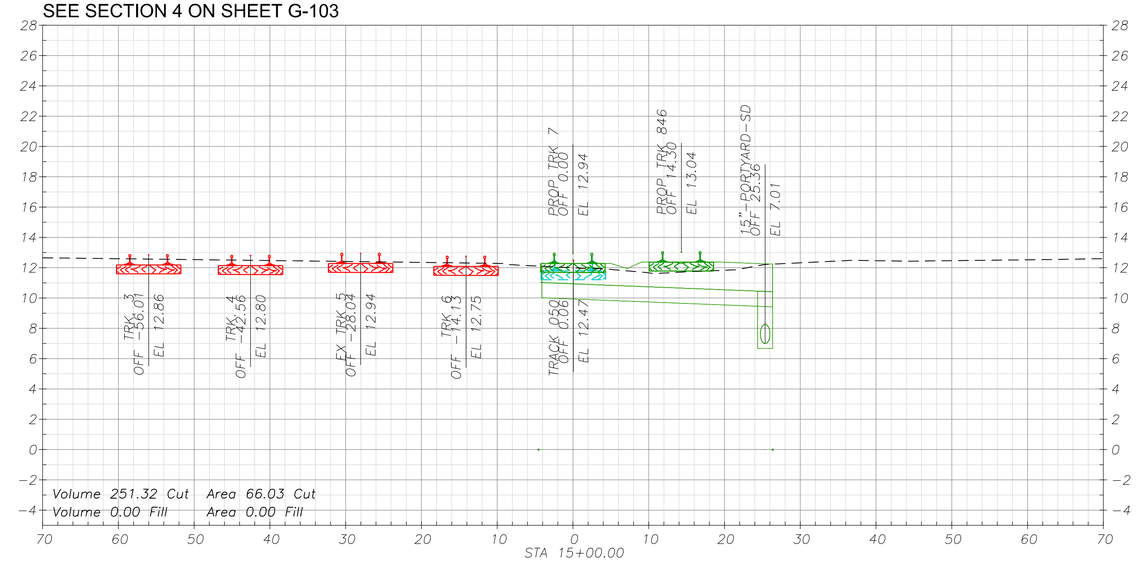
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 4 ON SHEET G-103



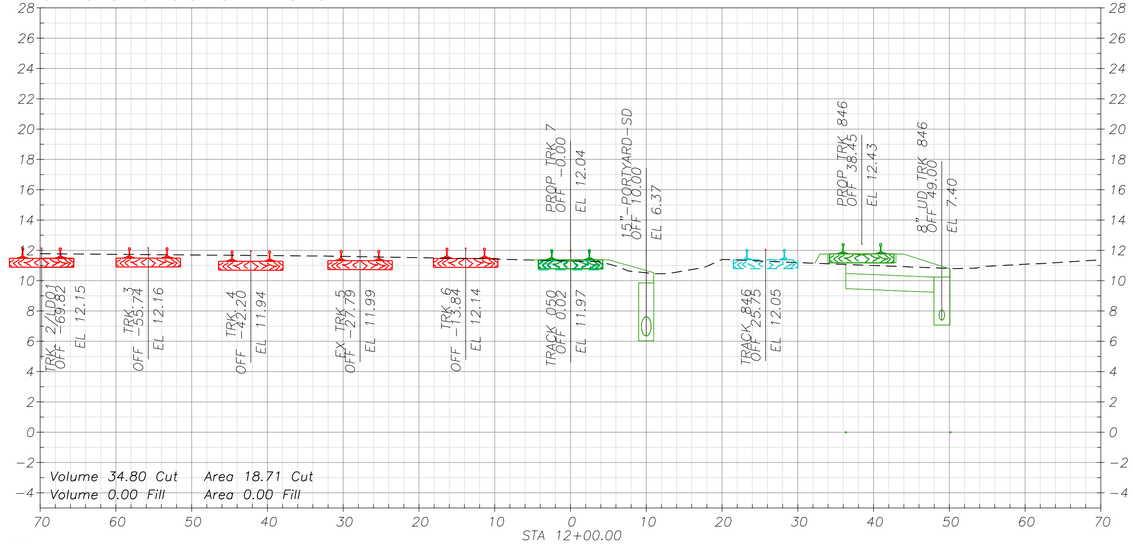
OFF	EL
12.02–60.00	12.47
12.00–55.00	12.46
11.98–50.00	12.22
11.96–45.00	12.36
11.95–40.00	12.41
11.93–35.00	12.34
11.91–30.00	12.17
11.88–25.00	12.10
9.42 –3.98	6.61
11.02 25.00	12.77
6.28 26.00	12.34
6.28 28.00	12.17
11.11 30.00	12.10
11.27 35.00	12.41
11.36 40.00	12.36
11.45 45.00	12.22
11.54 50.00	12.46
11.64 55.00	12.47
11.73 60.00	

SEE SECTION 4 ON SHEET G-103



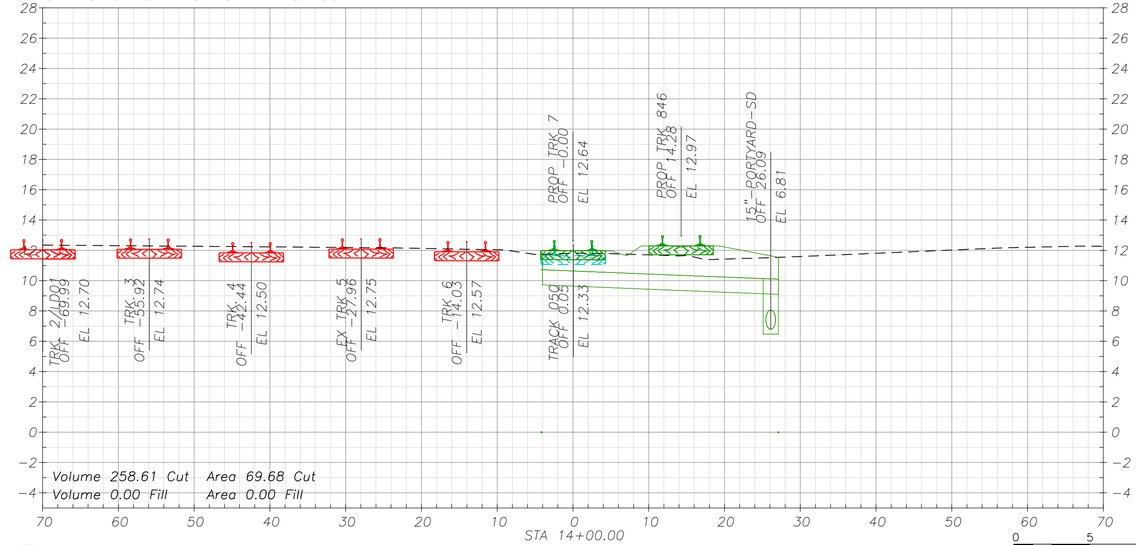
OFF	EL
12.47–60.00	12.86
12.45–55.00	12.80
12.43–50.00	12.94
12.41–45.00	12.75
12.39–40.00	12.94
12.37–35.00	12.47
12.30–30.00	13.04
12.39–25.00	7.01
10.03 –4.13	
6.68 24.36	
12.20 25.00	
6.68 26.36	
12.33 30.00	
12.45 35.00	
12.46 40.00	
12.44 45.00	
12.47 50.00	
12.50 55.00	
12.53 60.00	

SEE SECTION 3 ON SHEET G-104



OFF	EL
11.56–60.00	12.15
11.57–55.00	12.16
11.57–50.00	11.94
11.58–45.00	11.99
11.64–40.00	12.14
11.58–35.00	12.04
11.61–30.00	11.97
11.57–25.00	
6.04 9.00	
6.04 11.00	
11.30 25.00	12.05
11.20 30.00	12.43
11.10 35.00	7.40
9.47 36.33	
11.01 40.00	
10.91 45.00	
7.07 47.97	
10.81 50.00	
7.07 50.09	
10.95 55.00	
11.09 60.00	

SEE SECTION 4 ON SHEET G-103



OFF	EL
12.19–60.00	12.57
12.05–55.00	12.33
12.05–50.00	12.64
12.06–45.00	12.97
12.06–40.00	6.81
12.06–35.00	
12.06–30.00	
12.12–25.00	
9.72 –4.03	
11.50 25.00	
6.48 25.09	
6.48 27.09	
11.60 30.00	
11.71 35.00	
11.81 40.00	
11.92 45.00	
12.02 50.00	
12.13 55.00	

VERTICAL SCALE 1" = 5' (0 5 10 15 FEET)

HORIZONTAL SCALE 1" = 10' (0 10 20 30 FEET)

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-
08/31/2026

ISSUE:

REVISIONS:

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

TRACK 7 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-824
SCALE: AS NOTED	
DATE: 08/31/2026	SHEET 90 of 94
DESIGNED BY: AG	

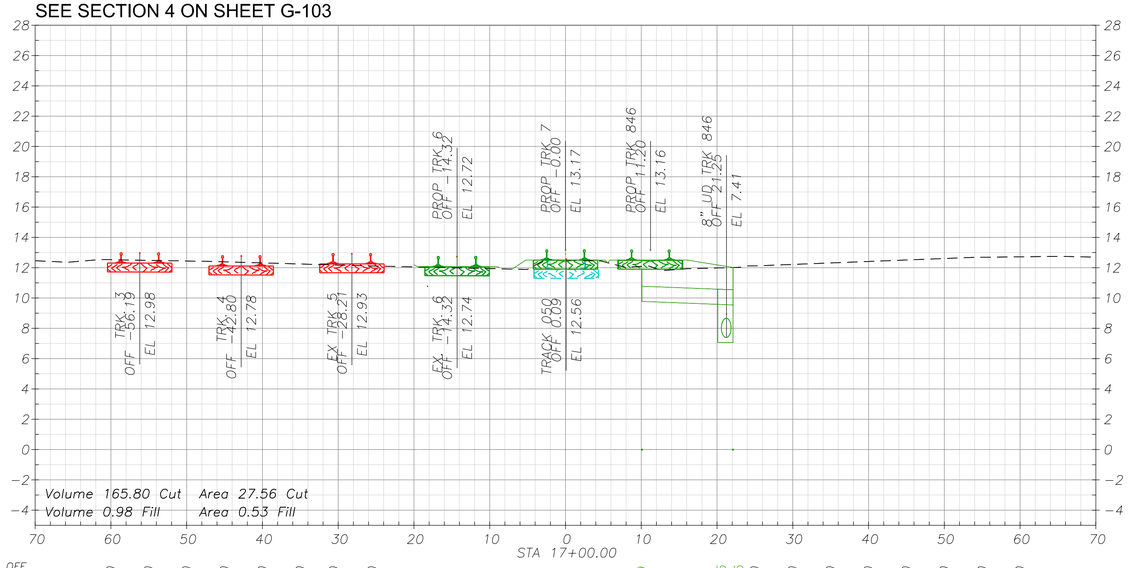
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HammadSaidiq
8/30/2026 - 9:27:38 AM - pw://JMA-PW-APP.jmadvit.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD/TCT-800-3

DESIGN NOTES:

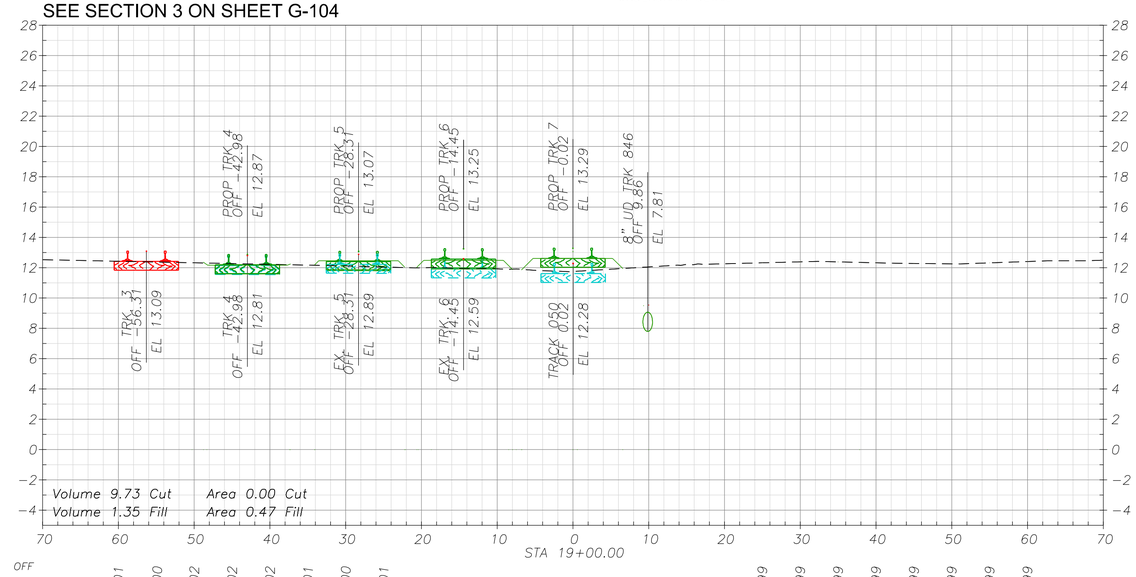
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 4 ON SHEET G-103



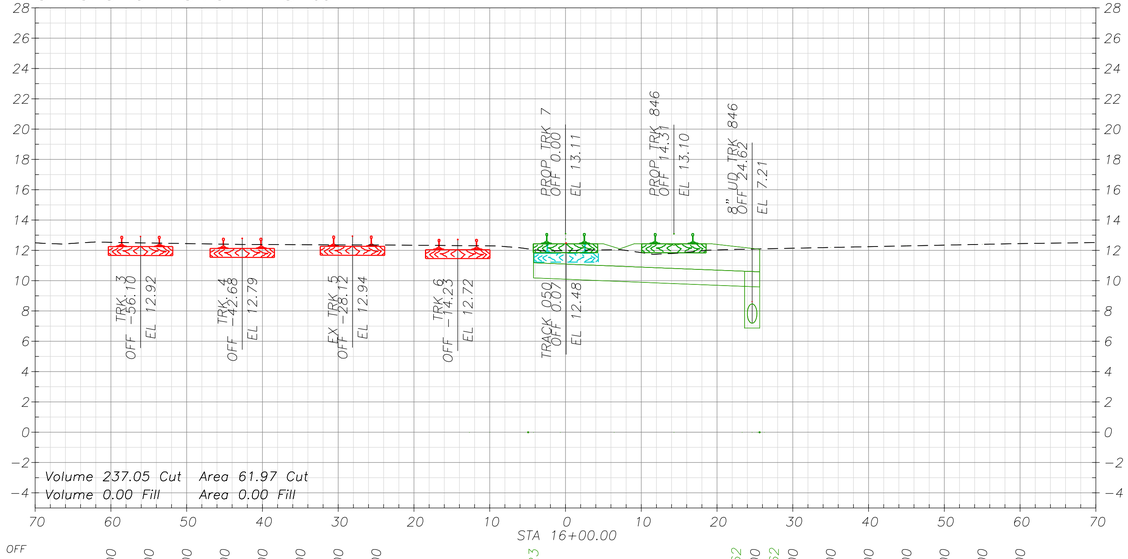
OFF	EL
60.00	12.38
55.00	12.42
50.00	12.44
45.00	12.40
40.00	12.32
35.00	12.25
30.00	12.18
25.00	12.12
10.09	9.79
20.25	7.08
22.25	7.08
25.00	12.13
30.00	12.22
35.00	12.32
40.00	12.42
45.00	12.51
50.00	12.61
55.00	12.69
60.00	12.73

SEE SECTION 3 ON SHEET G-104



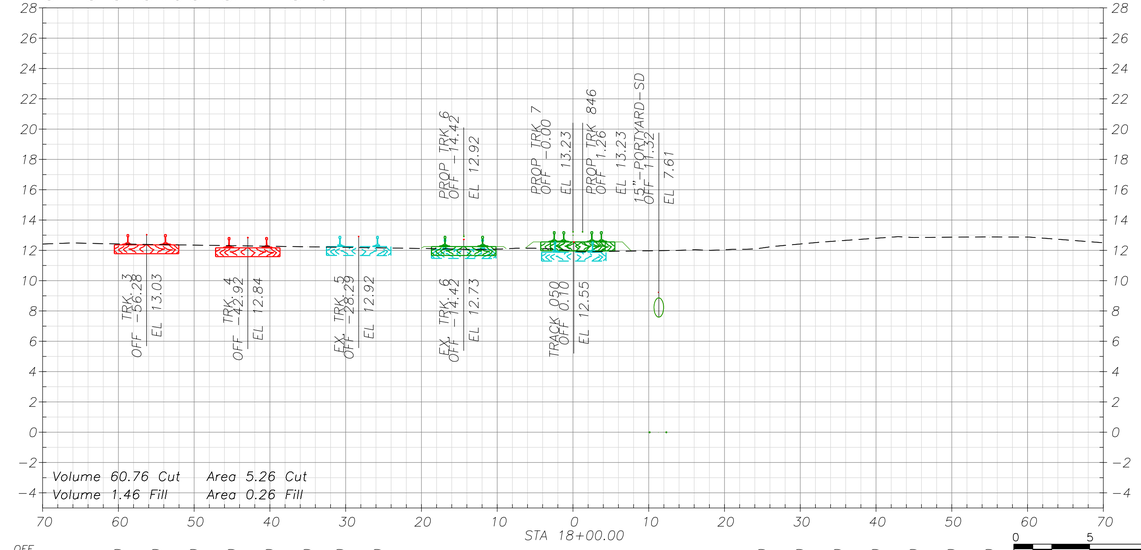
OFF	EL
60.01	12.37
55.00	12.26
50.02	12.21
45.02	12.17
40.02	12.12
35.01	12.08
30.00	12.12
25.01	12.05
24.99	12.33
29.99	12.39
34.99	12.39
39.99	12.33
44.99	12.29
49.99	12.27
54.99	12.33
59.99	12.41

SEE SECTION 4 ON SHEET G-103

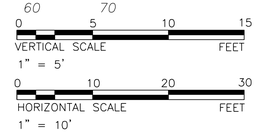


OFF	EL
60.00	12.40
55.00	12.23
50.00	12.23
45.00	12.32
40.00	12.39
35.00	12.38
30.00	12.36
25.00	12.35
−4.23	10.19
23.62	6.88
25.00	12.09
25.62	6.88
30.00	12.14
35.00	12.19
40.00	12.24
45.00	12.30
50.00	12.35
55.00	12.40
60.00	12.45

SEE SECTION 3 ON SHEET G-104



OFF	EL
60.00	12.43
55.00	12.39
50.00	12.35
45.00	12.31
40.00	12.28
35.00	12.24
30.00	12.20
25.00	12.16
25.00	12.17
30.00	12.43
35.00	12.63
40.00	12.81
45.00	12.86
50.00	12.87
55.00	12.87



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8/30/2026 - 9:28:13 AM - pw://JMA-PW-APP.jmadvlt.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLDT/CT-800-3

SUBCONSULTANT:	SUBCONSULTANT:	PRIME CONSULTANT:	PROFESSIONAL SEAL:	ISSUE:	REVISIONS:

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LICENSED PROFESSIONAL ENGINEER ARKAPRABHA GHOSH C91571 Exp. 09/30/26 CIVIL ENGINEER STATE OF CALIFORNIA

ISSUED FOR BID
NOT FOR
CONSTRUCTION
-
08/31/2026

MARK	DATE	DESCRIPTION
0	08/31/2026	ISSUED FOR BID

PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:
TRACK 7 CROSS SECTIONS

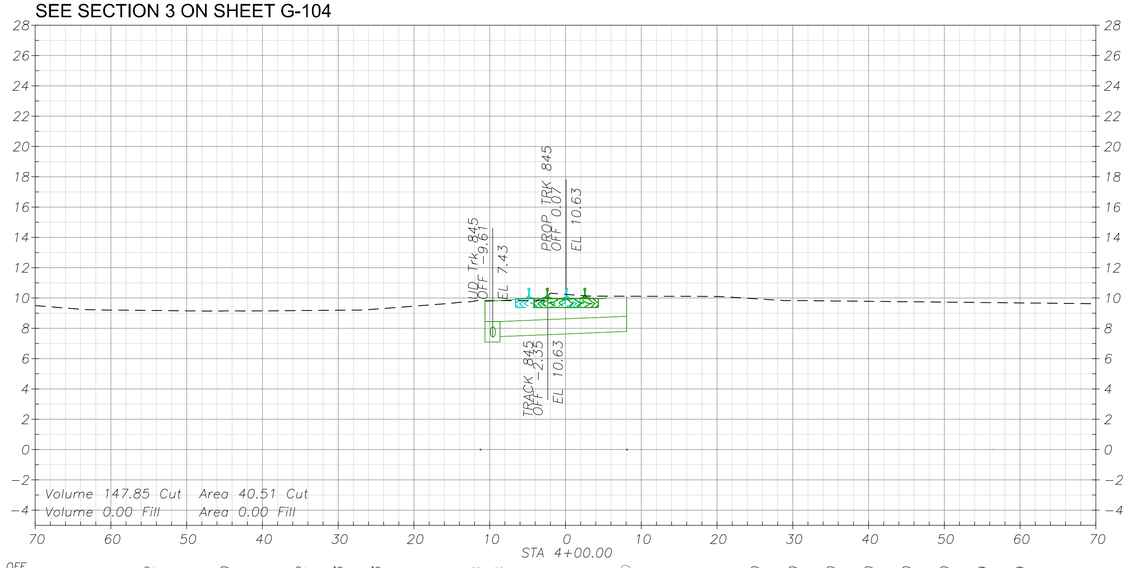
PROJ NO: 21273	SHEET NO. CT-825
SCALE: AS NOTED	
DATE: 08/31/2026	
DESIGNED BY: AG	SHEET 91 of 94

IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING

DESIGN NOTES:

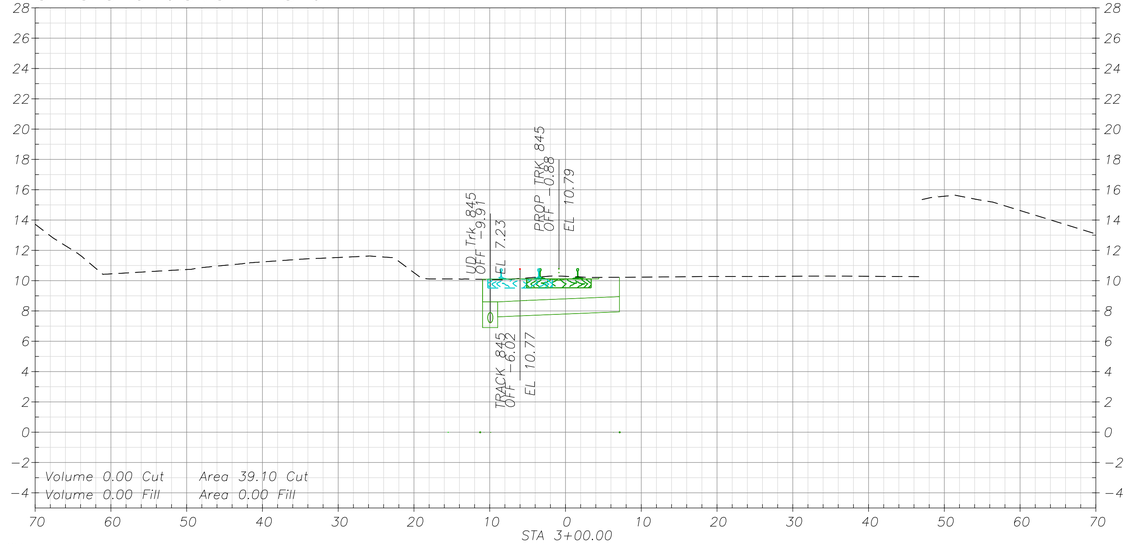
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 3 ON SHEET G-104



OFF	EL
9.21–59.91	
9.18–54.92	
9.16–49.91	
9.15–44.90	
9.22–39.91	
9.22–34.92	
9.22–29.93	
9.28–24.93	
7.10–10.64	
7.10 –8.64	
	7.79 9.00
9.96 25.10	
9.83 30.10	
9.81 35.10	
9.78 40.10	
9.76 45.10	
9.73 50.10	
9.71 55.09	
9.68 60.09	

SEE SECTION 3 ON SHEET G-104



OFF	EL
10.43–60.86	
10.58–55.86	
10.72–50.86	
11.16–45.86	
11.21–40.86	
11.39–35.86	
11.52–30.86	
11.63–25.86	
6.90–10.96	
6.90 –8.96	
	7.36 7.10
10.28 24.12	
10.29 29.12	
10.32 34.14	
10.29 39.13	
10.28 44.13	
15.60 49.13	
15.34 54.14	
14.78 59.14	

VERTICAL SCALE 1" = 5' (0, 5, 10, 15 FEET)

HORIZONTAL SCALE 1" = 10' (0, 10, 20, 30 FEET)

SUBCONSULTANT:

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE: TRACK 845 CROSS SECTIONS

PROJ NO: 21273
SCALE: AS NOTED
DATE: 08/31/2026
DESIGNED BY: AG

SHEET NO. CT-826
SHEET 92 of 94

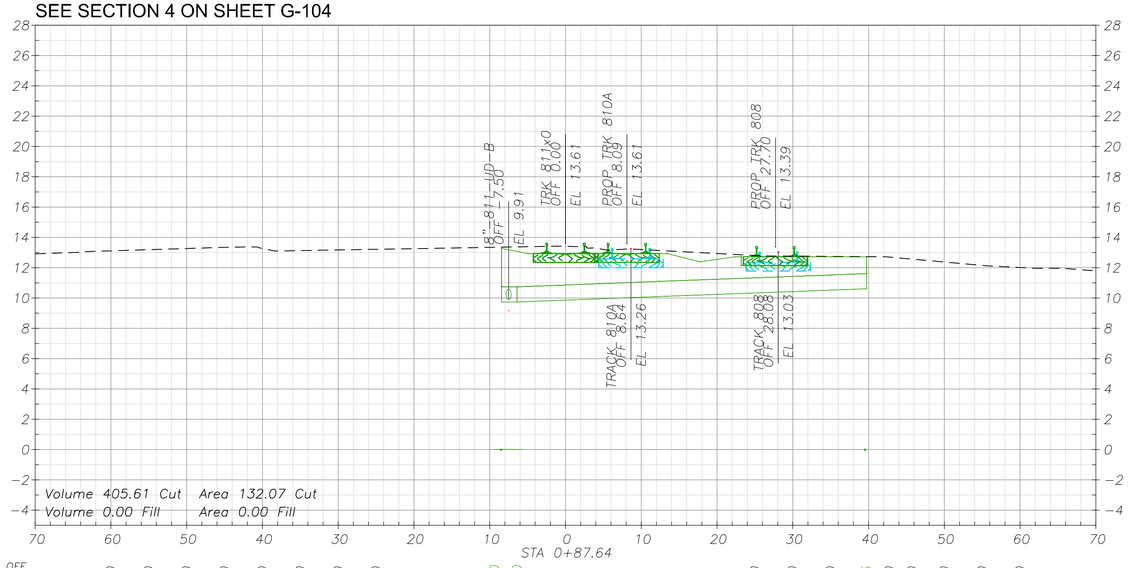
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DESIGN NOTES:

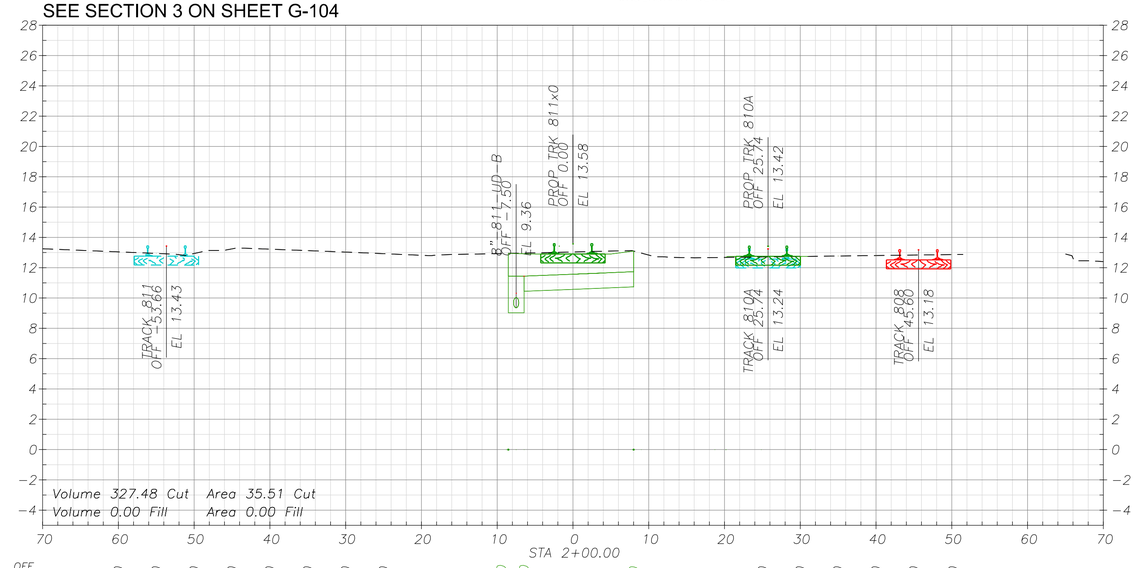
1. CUT AND FILL VOLUMES ARE IN CUBIC YARD, CUT AND FILL AREAS ARE IN SQUARE FEET.
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SEE SECTION 4 ON SHEET G-104



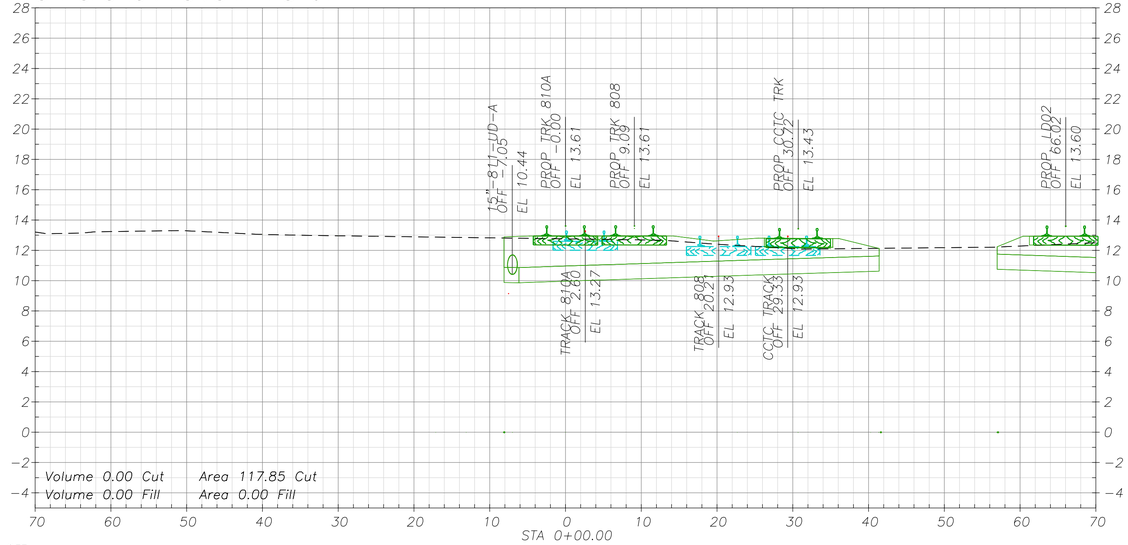
OFF	13.12–60.00	13.20–55.00	13.27–50.00	13.35–45.00	13.28–40.00	13.13–35.00	13.17–30.00	13.22–25.00	9.58 –8.50	9.58 –6.50	12.82 25.00	12.77 30.00	12.76 35.00	10.62 39.75	12.74 40.00	12.60 45.00	12.38 50.00	12.16 55.00	12.02 60.00
EL																			

SEE SECTION 3 ON SHEET G-104



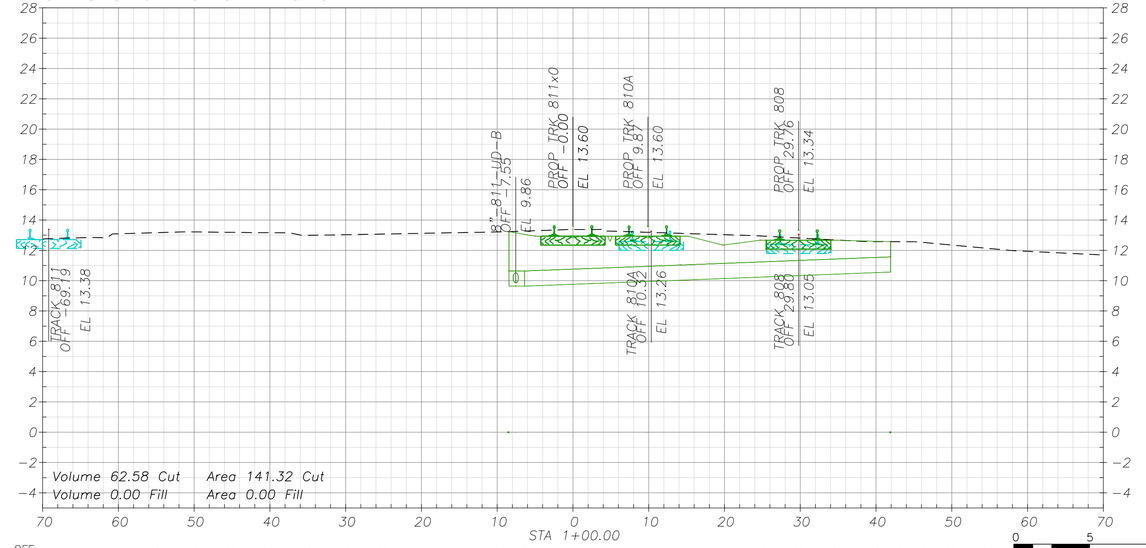
OFF	13.05–60.00	12.95–55.00	12.94–50.00	13.25–45.00	13.23–40.00	13.13–35.00	13.04–30.00	12.93–25.00	9.03 –8.50	9.03 –6.50	10.74 8.00	12.71 25.00	12.75 30.00	12.78 35.00	12.81 40.00	12.84 45.00	12.88 50.00
EL																	

SEE SECTION 4 ON SHEET G-104



OFF	13.24–60.00	13.28–55.00	13.29–50.00	13.17–45.00	13.05–40.00	13.00–35.00	12.96–30.00	12.93–25.00	10.11 –8.05	10.11 –6.05	12.27 25.00	12.13 30.00	12.11 35.00	12.14 40.00	10.63 41.38	12.16 45.00	12.19 50.00	12.21 55.00	10.76 56.96	12.29 60.00
EL																				

SEE SECTION 4 ON SHEET G-104



OFF	13.10–60.00	13.17–55.00	13.22–50.00	13.20–45.00	13.17–40.00	13.00–35.00	13.04–30.00	13.08–25.00	9.53 –8.55	9.53 –6.55	12.94 25.00	12.81 30.00	12.68 35.00	12.59 40.00	10.57 41.90	12.57 45.00	12.35 50.00	12.13 55.00
EL																		

VERTICAL SCALE 1" = 5' (0, 5, 10, 15 FEET)

HORIZONTAL SCALE 1" = 10' (0, 10, 20, 30 FEET)

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SUBCONSULTANT:

PRIME CONSULTANT:

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE:

TRACK 811x0 CROSS SECTIONS

PROJ NO: 21273	SHEET NO.
SCALE: AS NOTED	CT-827
DATE: 08/31/2026	SHEET 93 of 94
DESIGNED BY: AG	

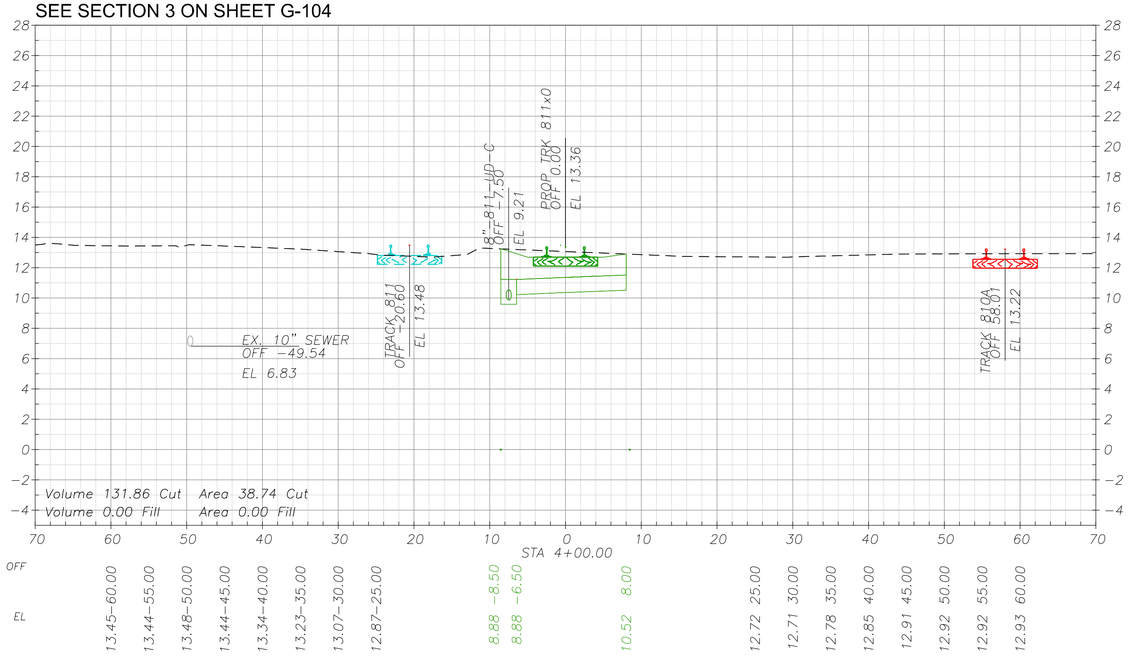
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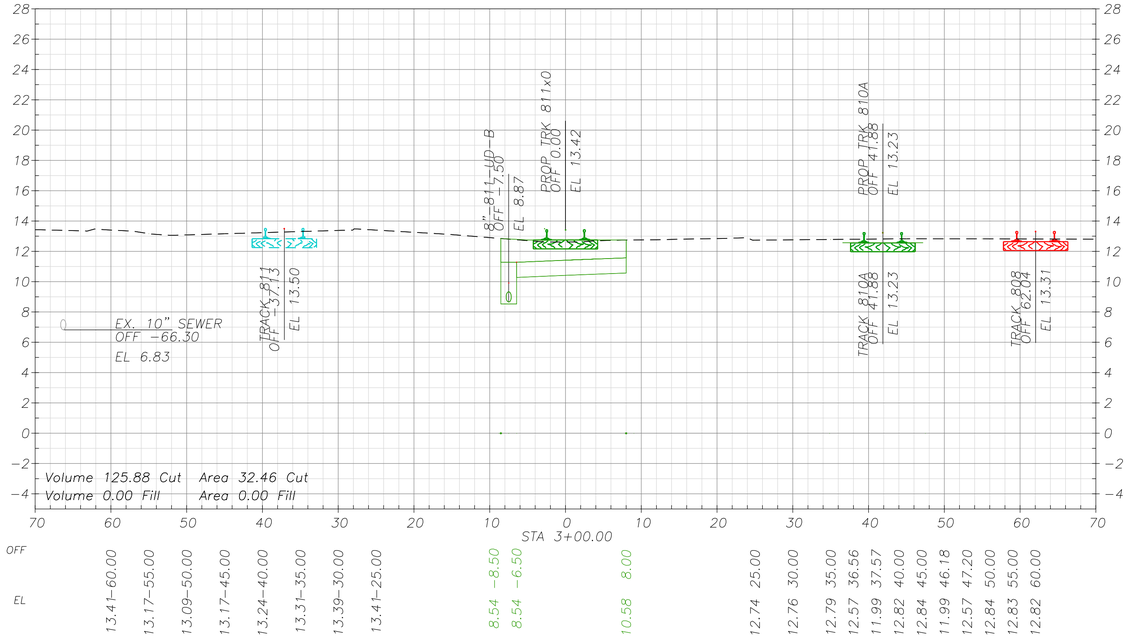
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8/30/2026 - 9:28:04 AM - pw://JMA-PW-APP.jmadvlt.com:JMA-PW/Documents/Projects/21273-HDRPoS/Rail/Sheets/LLD/TCT-800-3

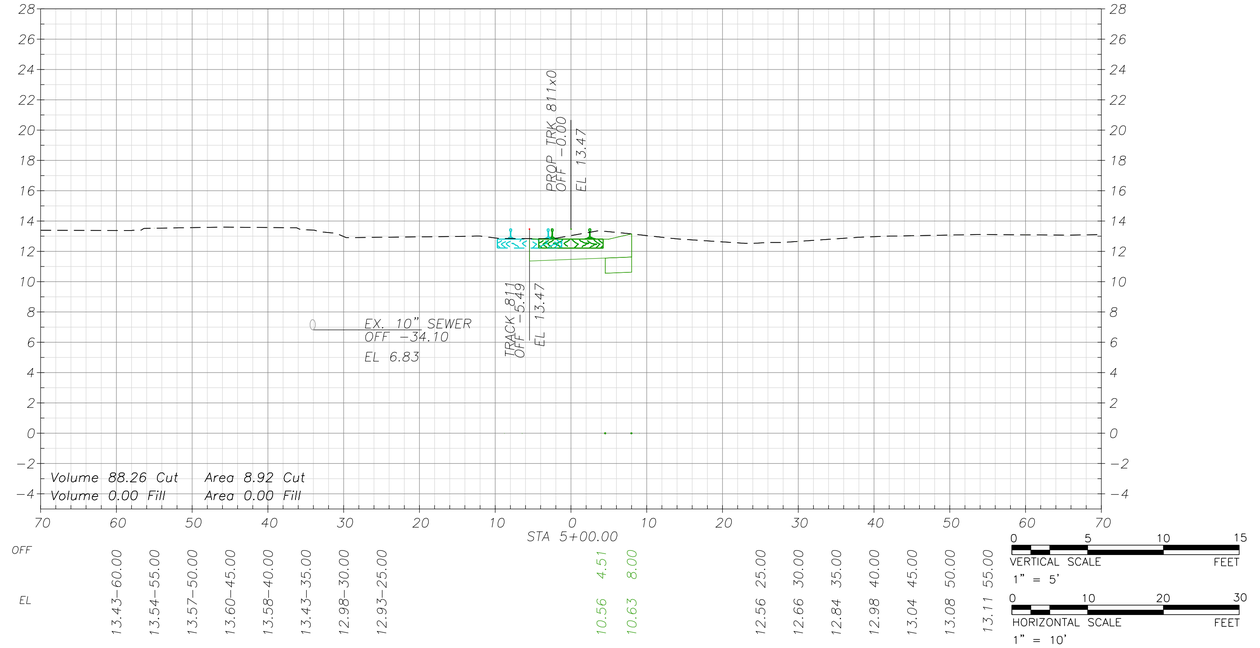
DESIGN NOTES:

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2. SEE DETAIL 1 ON SHEET CT-502 FOR TRACK UNDERDRAIN DETAIL
3. ALL CONFLICTING UTILITIES TO BE RELOCATED REFER TO UTILITIES RELOCATION PACKAGE FOR DETAILS.

SEE SECTION 3 ON SHEET G-104







VERTICAL SCALE 1" = 5'

HORIZONTAL SCALE 1" = 10'

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PORT OF STOCKTON
LONG LEAD DOUBLE TRACK

315 W FYFFE STREET
STOCKTON, CA 95230

SHEET TITLE: TRACK 811x0 CROSS SECTIONS

PROJ NO: 21273	SHEET NO. CT-828
SCALE: AS NOTED	SHEET 94 of 94
DATE: 08/31/2026	
DESIGNED BY: AG	

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