NORTHWEST RAILWAY MUSEUM
RAILROAD CROSSING SAFETY IMPROVEMENT PROJECT
SNOQUALMIE PARKWAY

MILEPOST 32.24
CROSSING I.D. 917624C
FEDERAL AID NUMBER RAIL-000S(698)

PROJECT TEAM

OWNER
NORTHWEST RAILWAY MUSEUM
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ENGINEER
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SURVEYOR
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TACOMA, WA 98409
(253) 473-4494
CONTACT: KURT PARCHER, P.L.S.
PARCHER@APEXENGINEERING.COM

N
PROJECT LOCATION - SNOQUALMIE, WA
NTS

LEGEND

- TRACK REMOVAL
- CONCRETE SIDEWALK DEMO
- FULL DEPTH ASPHALT DEMO
- ASPHALT MILLING AS SPECIFIED
- CROSSING REMOVAL/DEMO
- EXISTING HOT MIX ASPHALT PAVEMENT (UNLESS SPECIFIED OTHERWISE)
- PROPOSED HOT MIX ASPHALT PAVEMENT
- PORTLAND CEMENT CONCRETE
- AGGREGATE AS SPECIFIED
- EXISTING SUBGRADE
- FILL AS SPECIFIED
- PEDESTRIAN TACTILE SURFACE
- HIGH VISIBILITY SILT FENCE
- CLEARING AND GRUBBING
- FILL LINE
- CUT LINE
- FULL DEPTH SAW CUT
- CENTERLINE
- TREE REMOVAL

ABBREVIATIONS		
HMA – HOT MIX ASPHALT PAVEMENT	XING – CROSSING	TYP – TYPICAL
PCCP – PORTLAND CEMENT CONCRETE PAVEMENT	APP – APPROACH	APPROX – APPROXIMATE
PCC – PORTLAND CEMENT CONCRETE	RR – RAILROAD	STD – STANDARD
CONC – CONCRETE	STA – STATION	EX – EXISTING
CSBC – CRUSHED SURFACING BASE COURSE	ROW, R/W – RIGHT-OF-WAY	PROP – PROPOSED
CSTC – CRUSHED SURFACING TOP COURSE	PROF – PROFILE	PREF – PREFERRED
	OTM – OTHER TRACK MATERIAL	REC'D – RECOMMENDED
RDWY – ROADWAY	CL, C/L – CENTERLINE	INT – INTERSECTION
TBOC – TOP AND BACK OF CURB	TC, PC, BOC – TANGENT-CURVE, POINT OF CURVATURE, BEGINNING OF CURVE	BEG – BEGINNING
TOC – TOP OF CURB	CT, PT, EOC – CURVE TANGENT, POINT OF TANGENCY, END OF CURVE	BOT – BOTTOM
FOC – FACE OF CURB	BDD – DEPTH OF BALLAST	XSEC – CROSS SECTION
FL – FLOW LINE	BSW – BALLAST SHOULDER WIDTH	HORIZ – HORIZONTAL
BOW – BACK OF WALKWAY (I.E., SIDEWALK)	BSS – BALLAST SIDE SLOPE RUN	VERT – VERTICAL
FOW – FRONT OF WALKWAY (I.E., SIDEWALK)	SBD – SUBBALLAST DEPTH	FIG – FIGURE
C&G – CURB AND GUTTER	SBS – SUBBALLAST SLOPE	O.C. – ON CENTER
	RSW – ROADBED SHOULDER WIDTH	NTS – NOT TO SCALE
EOA – EDGE OF ASPHALT	RSR – ROADBED SIDE SLOPE RUN	O.S. – OFFSET
EOG – EDGE OF GRAVEL	RBW – ROADBED BERM WIDTH	
EOP – EDGE OF PAVEMENT	TSE, SUPER, CANT – TRACK SUPERELEVATION	
TCR – TOP OF ROADWAY CROWN	T/R – TOP OF RAIL	
	T/T – TOP OF TIE	FRA – FEDERAL RAILROAD ADMINISTRATION
CO – CLEANOUT	B/T – BOTTOM OF TIE	FHWA FEDERAL HIGHWAY ADMINISTRATION
D.O. – DRAINAGE OUTLET	GCP – GRADE CROSSING PREDICTOR	WSDOT – WASHINGTON DEPARTMENT OF TRANSPORTATION
CB – CATCH BASIN		CONB – CITY OF NORTH BEND
UD – UNDERDRAIN		KCDOT – KING COUNTY DEPARTMENT OF TRANSPORTATION
CMP – CORRUGATED METAL PIPE		AREMA – AMERICAN RAILWAY ENGINEERING & MAINTENANCE OF WAY ASSOCIATION
DI – DUCTILE IRON		
DIP – DUCTILE IRON PIPE		
CP – CONCRETE PIPE		IN – INCHES
DIA, Ø – DIAMETER		FT – FEET
IE – INVERT ELEVATION		LF – LINEAR FEET
TP – TOP OF PIPE		YD – YARDS
PERF – PERFORATION		CuYD – CUBIC YARDS
		NW – NORTHWEST
HVSF – HIGH VISIBILITY SILT FENCE		NE – NORTHEAST
TESC – TEMPORARY EROSION AND SEDIMENT CONTROL		SE – SOUTHEAST
CG – CLEARING AND GRUBBING		SW – SOUTHWEST
EG – EXISTING GROUND		NO. – NUMBER
EL, ELEV – ELEVATION		
DEMO – DEMOLITION		
PTS – PEDESTRIAN TACTILE SURFACE		

DRAFTED BY: J. SCHMAUS
DESIGNED BY: J. SCHMAUS
CHECKED BY: K. KIRSCHLING

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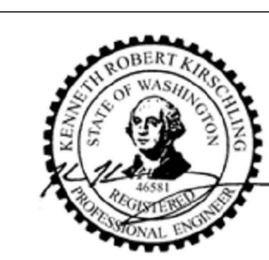

08/12/2025
ENGINEERING STAMP

RailStar engineering, LLC

NORTHWEST RAILWAY MUSEUM RR CROSSING
SAFETY IMPROVEMENT PROJECT - 60% PLAN SET
PRELIMINARY - NOT FOR CONSTRUCTION

LEGEND AND ABBREVIATIONS

OWNER: NORTHWEST RAILWAY MUSEUM
RAILROAD: SNOQUALMIE VALLEY RAILROAD
SUBDIVISION/LINE: MAIN
CROSSING: SNOQUALMIE PARKWAY
MILEPOST AND ID: 32.24, 917624C
LOCATION: SNOQUALMIE
COUNTY: KING
STATE: WA

REF NO. P2

DRAFTED BY: C. CZARNOMSKI
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DEMO PLAN

OWNER: NORTHWEST RAILWAY MUSEUM
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SUBDIVISION/LINE: MAIN
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MILEPOST AND ID: 32.24, 917624C
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COUNTY: KING
STATE: WA

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P3

SHEET
3
OF
7
SHEETS

PLAN - PROPOSED CROSSING LAYOUT
SCALE 1:8

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KENNETH ROBERT KIRSCHLING
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
08/12/2025
ENGINEERING STAMP

RailStar engineering, LLC

NORTHWEST RAILWAY MUSEUM RR CROSSING
SAFETY IMPROVEMENT PROJECT - 60% PLAN SET
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PROPOSED CROSSING LAYOUT

OWNER: NORTHWEST RAILWAY MUSEUM
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SHEET
4
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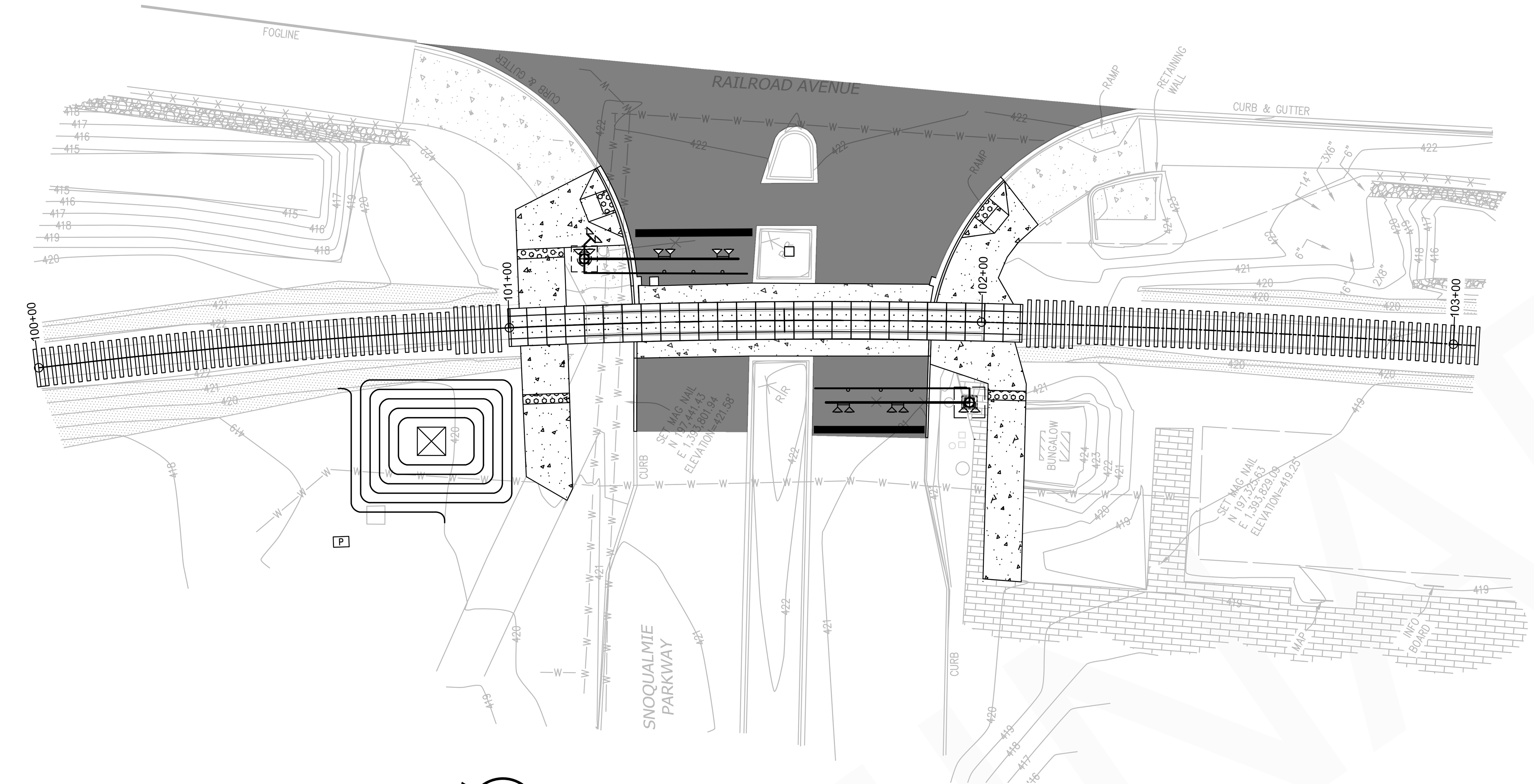
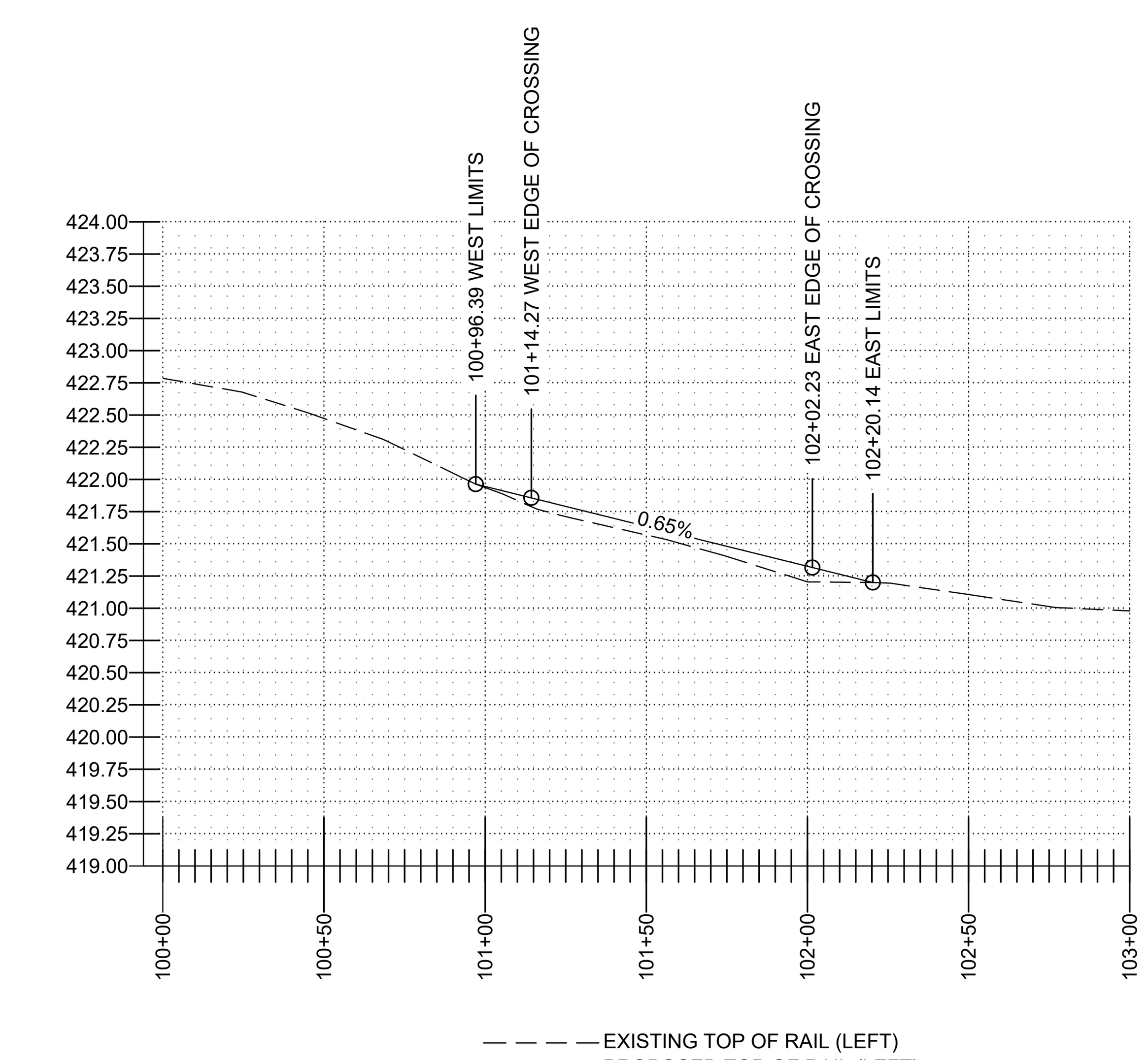


PLAN - PROPOSED CROSSING LAYOUT

SCALE 1:20

TOP OF RAIL ELEVATIONS

PROP. GRADE	STATION	T/R ELEVATIONS EXISTING LEFT	EXISTING RIGHT	PROPOSED LEFT	PROPOSED RIGHT	DESCRIPTION	SUPER
	100+00.	422.80	422.80	-	-	EXISTING TO REMAIN	
	100+26.52	422.67	422.64	-	-		
	100+45.82	422.52	422.51	-	-		
	100+68.55	422.32	422.28	-	-		
	100+93.88	422.02	422.00	-	-		
(–) 0.65%	**100+96.39**	**421.97**	**421.95**	**421.97**	**421.97**	****PROJECT LIMITS****	0 —inch
	101+03.53	421.89	421.87	421.92	421.92		0 —inch
	101+14.27	**421.78**	**421.76**	**421.86**	**421.86**	**SNOQUALMIE PKY XING WEST EDGE**	0 —inch
	101+27.97	421.71	421.69	421.77	421.77		0 —inch
	101+58.26	**421.54**	**421.54**	**421.58**	**421.58**	**CNTR OF XING/RDWY**	0 —inch
	101+72.62	421.40	421.41	421.48	421.48		0 —inch
	102+02.23	**421.19**	**421.19**	**421.29**	**421.29**	**SNOQUALMIE PKY XING EAST EDGE**	0 —inch
	102+12.70	421.19	421.17	421.23	421.23		0 —inch
	102+20.14	**421.18**	**421.14**	**421.18**	**421.18**	****PROJECT LIMITS****	0 —inch
	102+25.21	421.18	421.13	-	-	EXISTING TO REMAIN	
	102+50.56	421.12	421.10	-	-		
	102+76.61	421.04	421.03	-	-		
	103+04.67	420.97	420.94	-	-		
		*As per Apex survey dated 5-12-2025.					



EXISTING AND PROPOSED TOP OF RAIL

SCALE AS SHOWN

PRELIMINARY

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KENNETH ROBERT KIRSCHLING, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

08/12/2025
ENGINEERING STAMP

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NORTHWEST RAILWAY MUSEUM RR CROSSING
SAFETY IMPROVEMENT PROJECT - 60% PLAN SET
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PROPOSED VERTICAL ALIGNMENT

OWNER: NORTHWEST RAILWAY MUSEUM
RAILROAD: SNOQUALMIE VALLEY RAILROAD
SUBDIVISION/LINE: MAIN
CROSSING: SNOQUALMIE PARKWAY
MILEPOST AND ID: 32.24, 917624C
LOCATION: SNOQUALMIE
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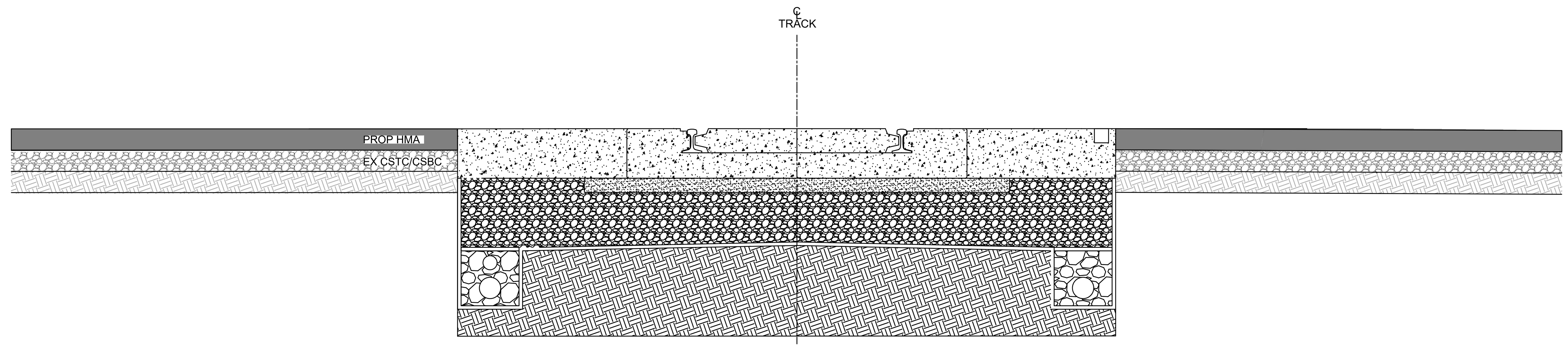
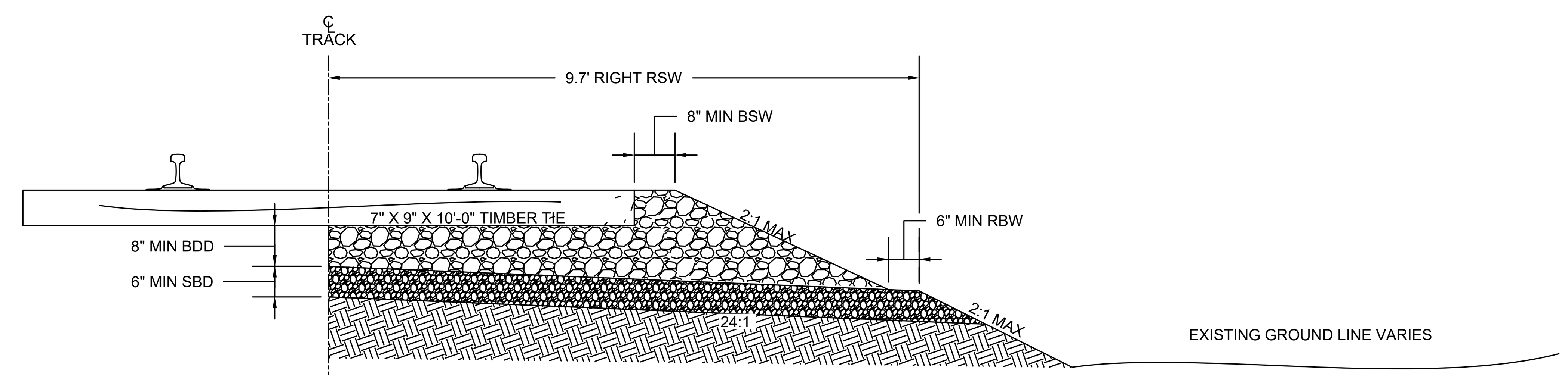


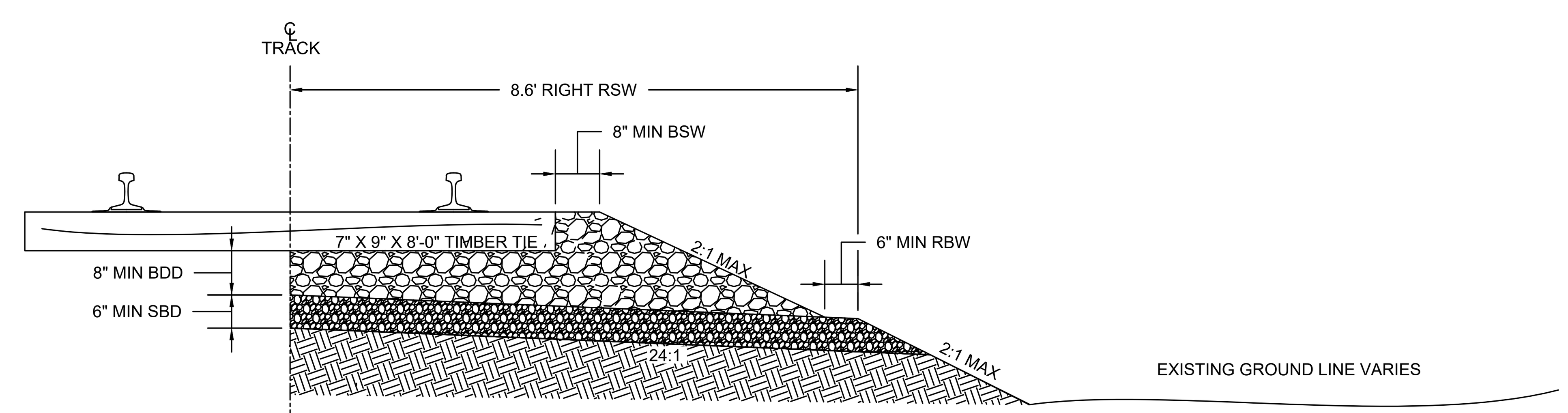
SNOQUALMIE PARKWAY XING TYPICAL SECTION

SCALE 1:2



TYPICAL APPROACH TRACK - 10' TIES

SCALE 1:2



TYPICAL TRACK - 8' TIES

SCALE 1:2

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TYPICAL TRACK CROSS SECTIONS

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RAILROAD: SNOQUALMIE VALLEY RAILROAD
SUBDIVISION/LINE: MAIN
CROSSING: SNOQUALMIE PKWY
MILEPOST AND ID: 35.90, 092040A
LOCATION: NORTH BEND
COUNTY: KING
STATE: WA

REF NO.
P6

DRAFTED BY: C. CZARNOMSKI
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PRELIMINARY - NOT FOR CONSTRUCTION

PAVING DETAIL

OWNER: NORTHWEST RAILWAY MUSEUM
RAILROAD: SNOQUALMIE VALLEY RAILROAD
SUBDIVISION/LINE: MAIN
CROSSING: SNOWUALMIE PKWY
MILEPOST AND ID: 35.90, 092040A
LOCATION: NORTH BEND
COUNTY: KING
STATE: WA

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P7

SHEET
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