

GENERAL NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- STRIPPING DEPTH TO BE 500 mm, AS PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATION. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
- INFILL BALLAST REQUIRED FOR TRACK CENTRES LESS THAN 5.50 m OR 18 ft.

TRACK STRUCTURE NOTES:

RAIL:

NEW 115 lb. RE JOINTED RAIL

JOINT BARS:

6 HOLE BARS, PUNCHED FOR ALTERNATING OVAL-HEAD BOLTS PER CN STANDARDS PLAN 1203

COMPROMISE BARS SHALL BE USED ON MAINLINE TRACK TO TRANSITION FROM #85 lb. RAIL TO #100 lb. RAIL AND FROM #100 lb. RAIL TO #115 lb. RAIL. MINIMUM RAIL LENGTH TO BE 16 ft.

TRACK TIES:

TRACK TIES SHALL BE NEW AND A MINIMUM OF NO.2 HARDWOOD TIES, MINIMUM 8' 6" IN LENGTH AND MINIMUM 6" X 8" CROSS SECTION DIMENSIONS. (152 mm x 203 mm x 2591 mm)

NO.1 HARDWOOD TIES REQUIRED ON CURVES OVER 6 DEGREES.

TIE SPACING:

22" (558 mm)

TIE PLATE:

14" DS TIE PLATE, 5 1/2" BASE WIDTH, 1:40 CANT

RAIL SPIKES:

TRACK SPIKES SHALL BE NEW 6"x5/8" SQUARE

BALLAST:

MINIMUM BALLAST DEPTH: 12" OR 305 mm UNDER THE BOTTOM OF TIES

MINIMUM BALLAST SHOULDER: 12" OR 305 mm

BALLAST TO CONFORM TO THE CN SPECIFICATION 12-20C (SECTION 5.5 OF CN ENGINEERING SPECIFICATION FOR INDUSTRIAL TRACKS, NOVEMBER 2019)

SUB-BALLAST:

SUB-BALLAST DEPTH: 14" OR 356 mm.

MINIMUM SUB-BALLAST WIDTH: 12 ft. OR 3.657 m FROM THE TRACK CENTRELINE

SUB-BALLAST CROSSFALL SLOPE: 2.5% FROM THE TRACK CENTRELINE, TOP AND BOTTOM

SUB-BALLAST COMPACTED TO 98% SPMD

SUB-BALLAST GRADATION SHALL BE BASED ON "GRANULAR A BASE COURSE" MATERIAL FROM CITY OF WINNIPEG CONSTRUCTION SPECIFICATION CW3110, NOVEMBER 2022.

SUBGRADE:

SUBGRADE SHALL BE DESIGNED AND CONSTRUCTED AS PER REQUIREMENTS OF SECTION 3.1 OF CN ENGINEERING SPECIFICATION FOR INDUSTRIAL TRACKS, NOVEMBER 2019.

SUBGRADE COMPACTED TO 95% SPMD

GEOTEXTILE:

MINIMUM 12 OZ NON-WOVEN GEOTEXTILE SEPARATION FABRIC BETWEEN SUBGRADE AND SUB-BALLAST (TYP.)

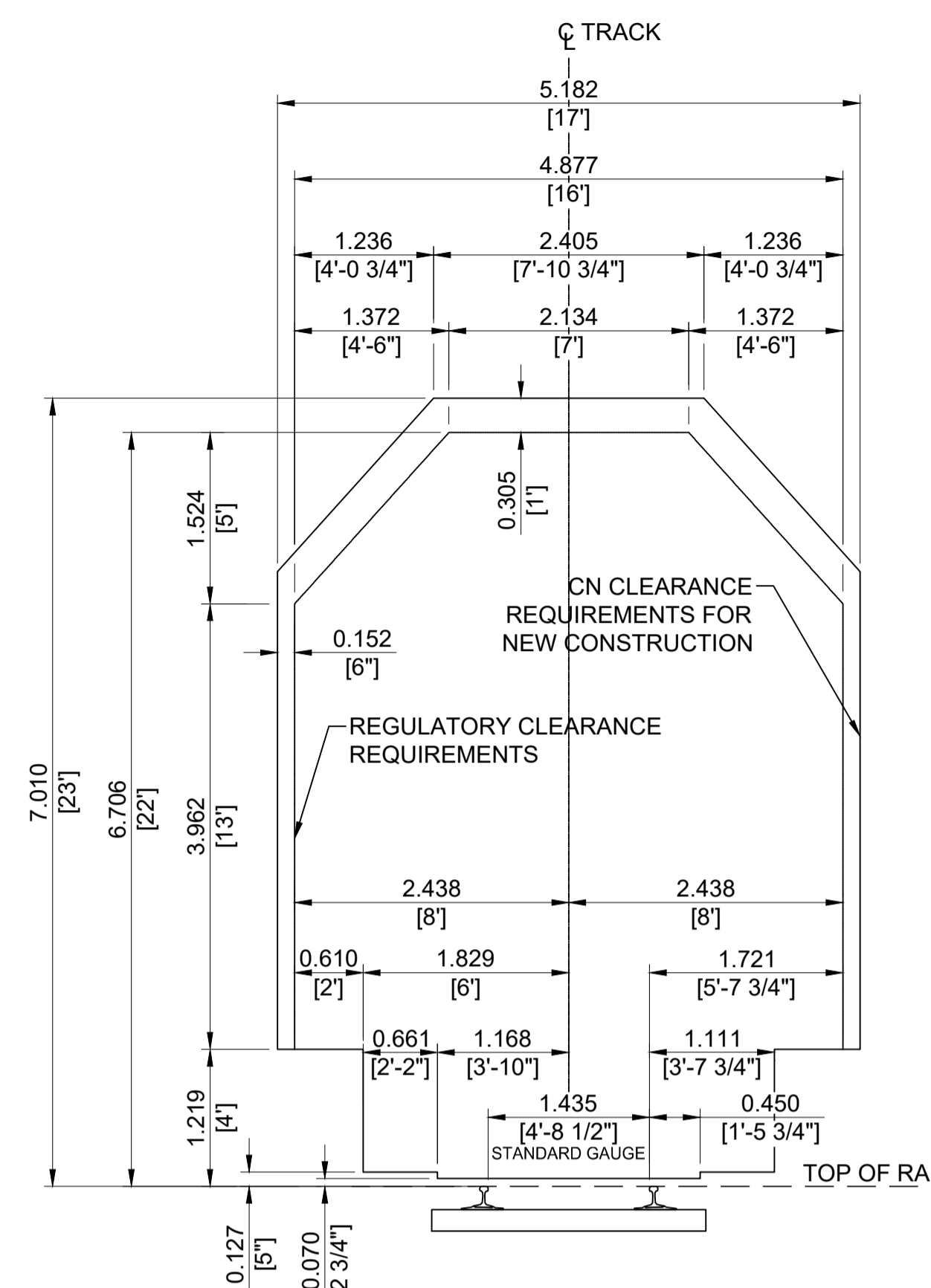
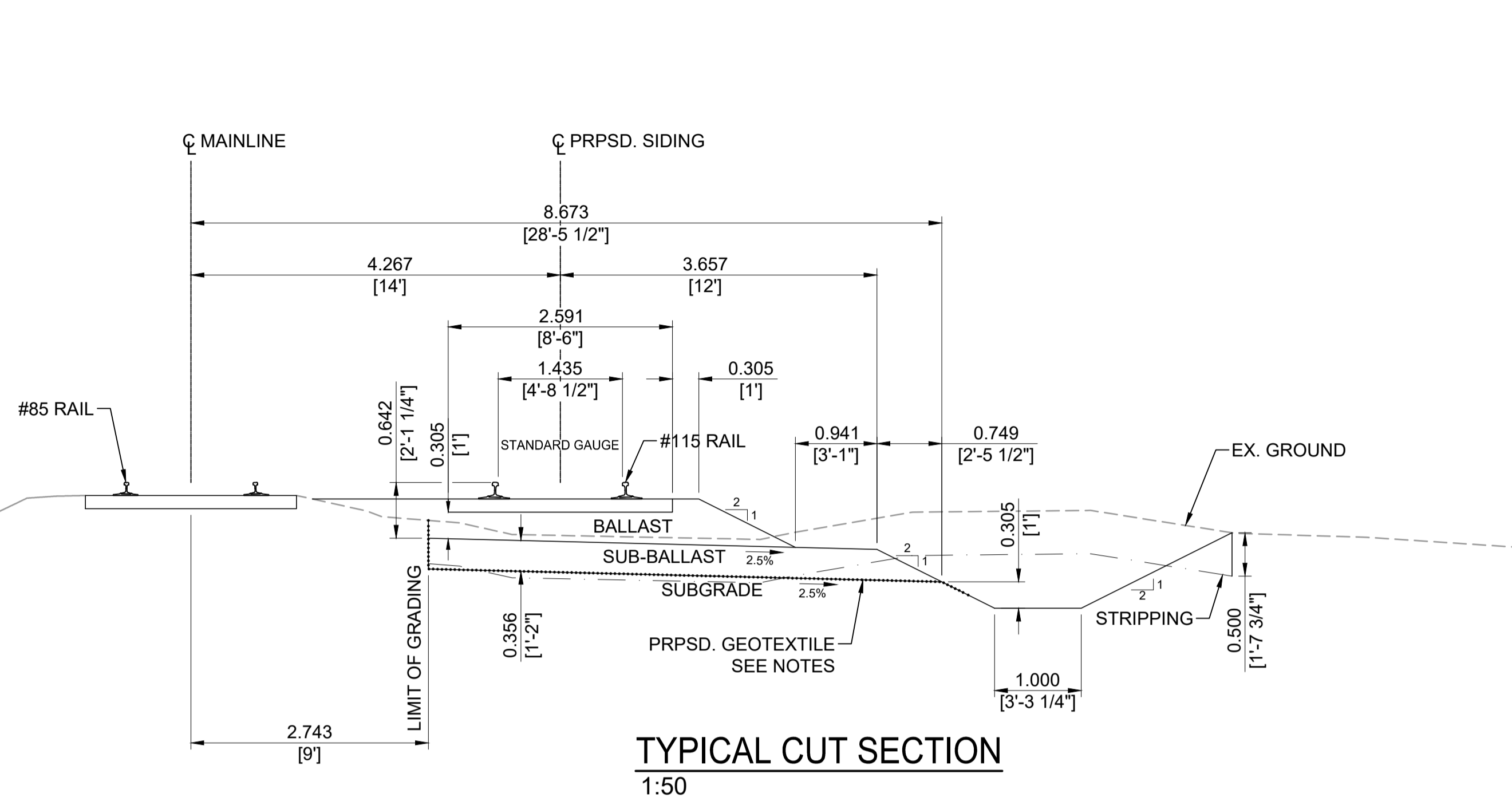
TURNOUTS:

CN #8 NEW, AND CONFORM TO CN TS-008

TURNOUT FROG: RAIL BOUND MANGANESE (RBM)

TURNOUT RAIL WEIGHT SHALL BE NEW 115 lb. RAIL

TURNOUT TIES SHALL BE NEW HARDWOOD No.1- 7"x9" (178 mm x 229 mm), WITH LENGTHS AS REQUIRED PER CN TS-008.

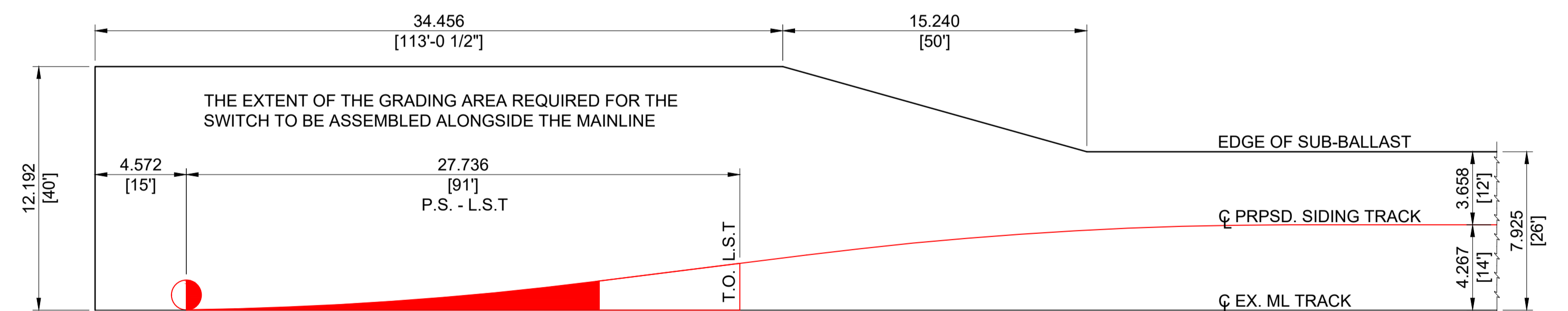
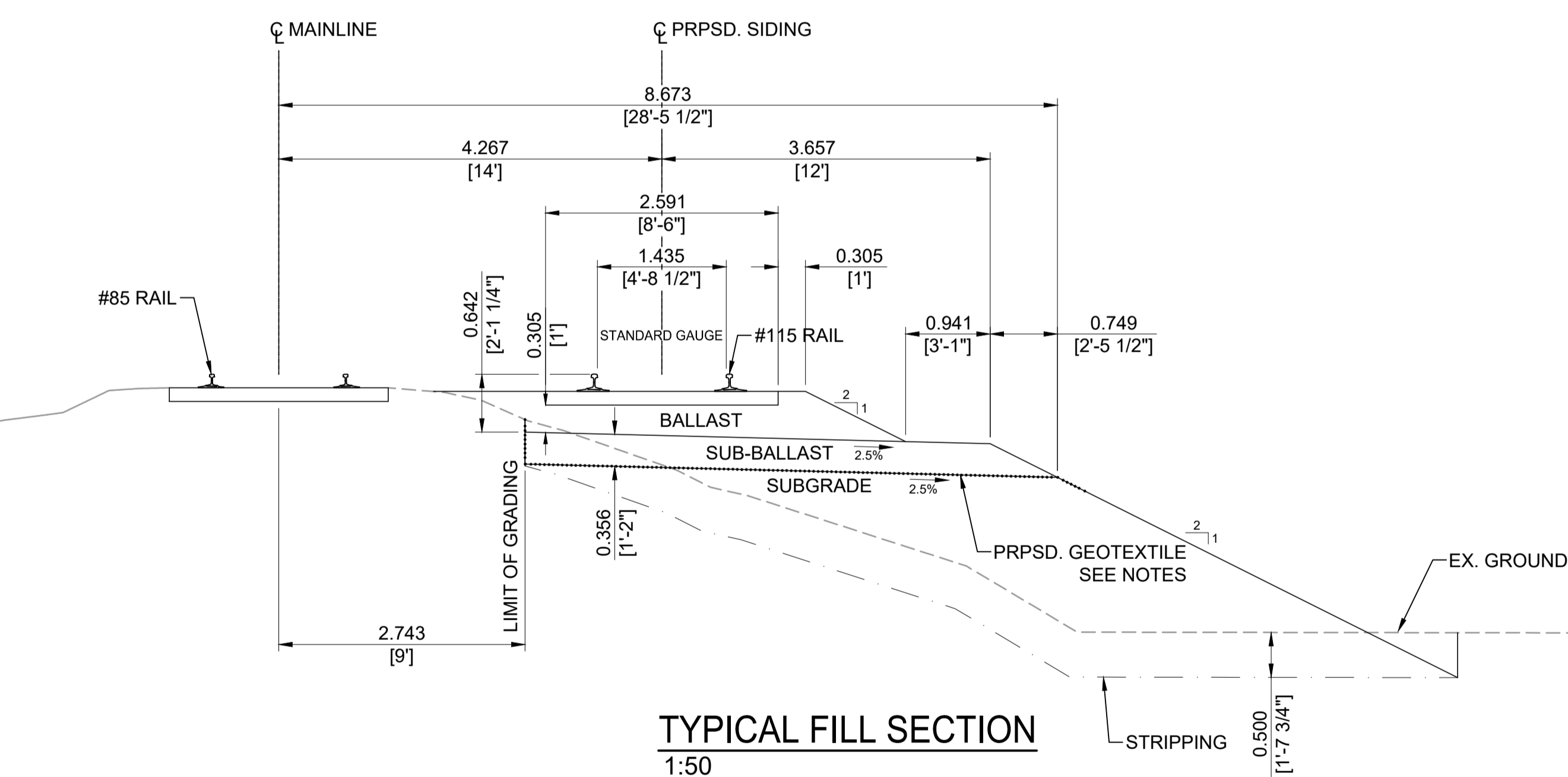


CN INDUSTRIAL TRACKS-CLEARANCE ENVELOPE 1:50

NOTE:

CLEARANCES INDICATED APPLY TO TANGENT TRACKS.

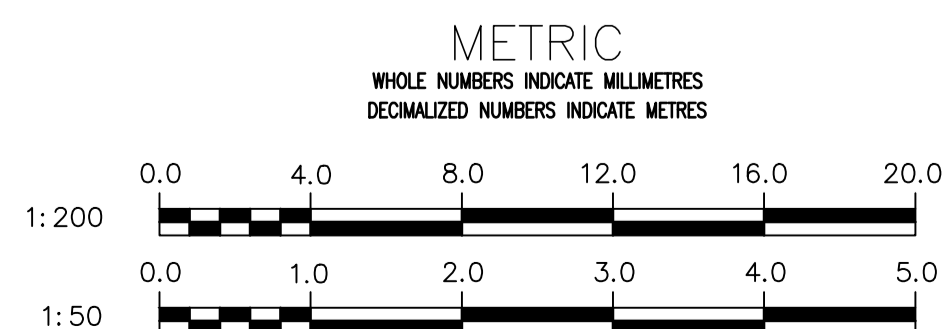
CLEARANCE REQUIREMENTS SHALL BE INCREASED IF THE RESTRICTION OCCURS ON CURVED TRACK OR LESS THAN ONE HALF A CAR LENGTH FROM CURVED TRACK.



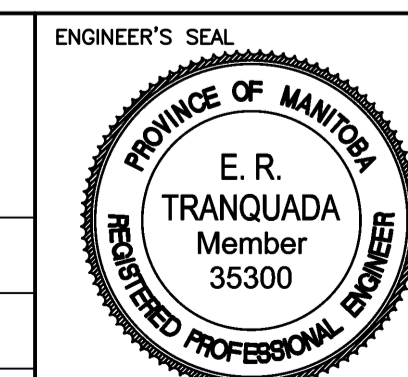
DETAIL- #8 TURNOUT PAD 1:200

NOT FOR CONSTRUCTION

WARNING - BURIED UTILITIES
PRIOR TO CONSTRUCTION CN ENGINEERING SIGNALS MUST BE NOTIFIED, AS WELL, USE EXTREME CAUTION WHEN WORKING NEAR CABLES, JUNCTION BOXES, CONDUITS, ETC.



B.M. ELEV.			
DESIGNED BY	MY	CHECKED BY	MY
DRAWN BY	GR	APPROVED BY	ERT
SCALE:		RELEASED FOR CONSTRUCTION	
HORIZONTAL AS SHOWN			
VERTICAL			
ISSUED FOR TENDER	23/05/05	M.Y.	
NO.	REVISIONS	DATE	BY
0			



WINNIPEG-MANITOBA
SHEET 5 OF 7
CITY DRAWING NUMBER
1-0751R-D0008-001-R0
GREATER WINNIPEG WATER DISTRICT RAILWAY
PROPOSED SIDING RELOCATION
TYPICAL SECTIONS AND DETAILS