

REFERENCE DOCUMENT NO.	DATE
1. Town As-Built Master in UTM	2025-08-05
2. 4952-API 1102 Analysis-02	2026-01-06
3. 4952-STRAIGHT PIPE STRESS-01	2025-12-31
4. 4952-SettlementAnalysis-01	2025-12-31

ENGINEER AND PERMIT STAMPS

Professional Engineer Stamp:
 PROVINCE OF ALBERTA
 B. S. W. HELM
 ENGINEER
 2026-01-08

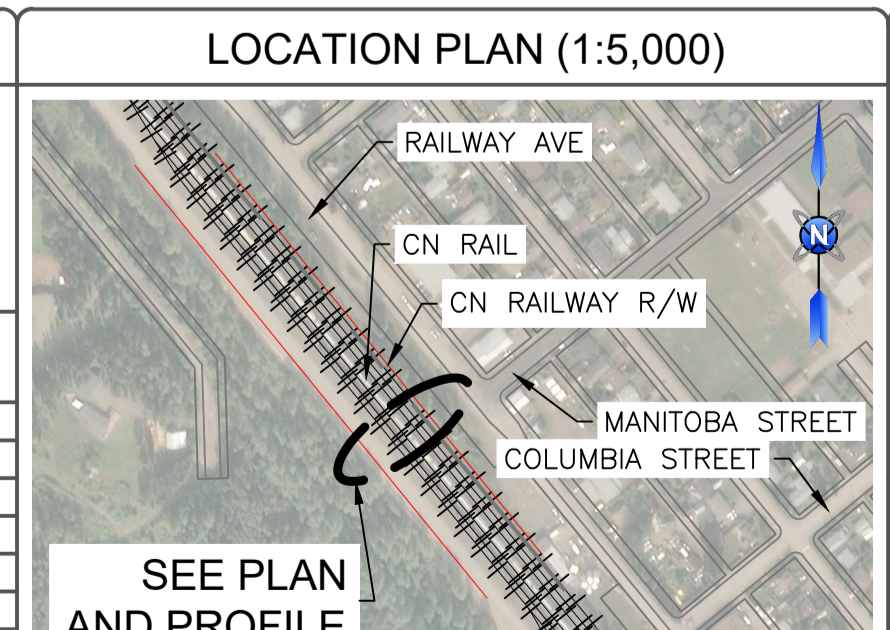
Permit to Practice Stamp:
 PERMIT TO PRACTICE
 Signature: [Signature]
 Date: January 8, 2026
 PERMIT NUMBER: 1000703
 Engineers and Geoscientists BC

PIPELINE SPECIFICATIONS

	NPS 20	DIPS 14
OUTSIDE DIAMETER (OD)(mm)	508.0	356.0
WALL THICKNESS (WT)(mm) / DR	6.35 / DR 13.5	
GRADE	291	PE4710
PRODUCT	CASING	WATER
MATERIAL	STEEL	HDPE
SPECIFICATIONS	CSA Z245.1	CSA B137.1
INTERNAL COATING	N/A	N/A
OUTER COATING	DUAL FBE	N/A
MAX. OPER. PRESSURE (kPa)	101	738
MIN. TEST PRESSURE (kPa)	N/A	N/A
MAX. INSTALLATION TEMP (°C)	N/A	N/A

DRAWING STATUS

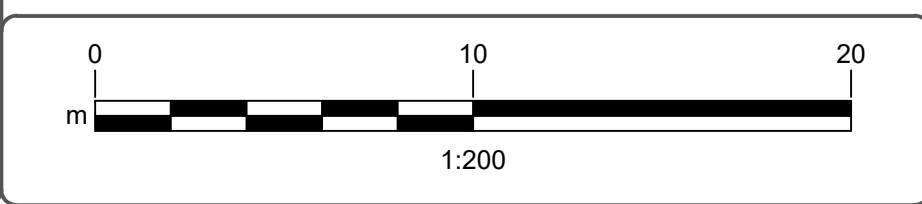
DATE	DRN	CHK	DES	GEO	APR	CR
ISSUED FOR PERMIT	GS	BO	BE	ML	AH	RJ



UTM - ZONE 9 - NAD 83 (CSRS)

Allnorth

CN YARD WATERMAIN REPLACEMENT PROJECT
 CN RAILWAY AUGER BORE CROSSING
 PLAN AND PROFILE - NPS 20 CASING
 TOWN OF SMITHERS



SCALE	DWG. #	REVISION	SHEET
AS SHOWN	4952-EG-0101	0	1 OF 2

File Name: S:\Current Jobs\4952-Allnorth Consultants Ltd.- CN Yard Watermain Rep\Eng\Drawings\01-CN Rail\NFC\4952-EG-0101-0.dwg Date/Time: 2026-01-07 / 10:32:23 AM Last Saved By: Gary Sargeant