ENBRIDGE PIPELINES (ND)

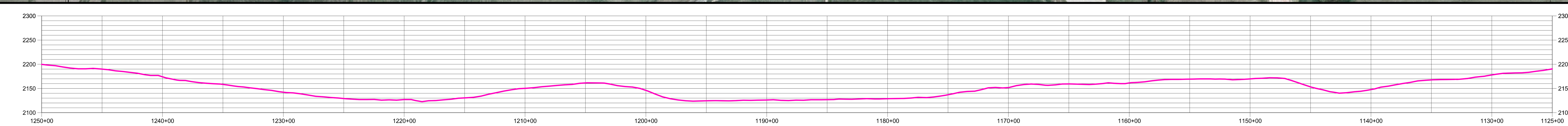
AS CONSTRUCTED ALIGNMENT SHEET
TRENTON TO BEAVER LODGE

TERRAIN	AGRICULTURE				
VEGETATION	CULTIVATED CROPS				
OWNERSHIP	MARK WESTPHAL (1250+00 – 1239+56)	NORA A. IRGENS, TRUSTEE OF IRGENS FAMILY TRUST (1239+56 – 1213+10)	WYNONA BJELLA, GARY AND MARIE BJELLA, DEAN AND GAIL BJELLA, GREG AND PATRICIA BJELLA (1213+10 – 1158+60)	DORIS ELAINE JOHNSRUD, DENNIS AND MAVIS JOHNSRUD (1158+60 – 1132+08)	DARRYL J. COTE (1132+08 – 1125+00)
R.O.W. No.	W-34	W-33	W-32	W-31	W-30
RODDAGE	63.3	160.4	330.3	160.7	42.9
ROW WIDTH	75'	75'	75'	75'	75'

Map legend

- Ex ELECTRICAL CROSSING
- Ux UNIMPROVED ROAD CROSSING (SEE STD-C031))
- Gx GRAVEL ROAD CROSSING (SEE STD-C030)
- Ax IMPROVED (ASPHALT) ROAD CROSSING (SEE STD-C032)
- Hx HIGHWAY CROSSING (SEE STD-032)
- Rx RAILROAD CROSSING (SEE DWG 2424A204)
- Px PIPELINE CROSSING
- Cx CABLE CROSSING
- Wx WATER CROSSING
- 05 AERIAL MARKER
- BV BLOCK VALVE
- CP1 CP TEST LEAD (FOREIGN) (SEE DWG 2424-M-001)
- CP2 CP TEST LEAD (SEE DWG 2424-M-001)
- 48 HOTBEND

PROFILE



PI / Pipeline stationing / Pipe detail and appurtenances

PIPELINE STATIONING	PI	CROSSING LENGTH	PIPE SPECIFICATION	PIPE DETAIL AND APPURTENANCES
STA. 1243+72			A	UG TELEPHONE CABLE
STA. 1240+69	PI 28° LT			
STA. 1239+95				ENBRIDGE P/L
STA. 1239+90				CP2
STA. 1239+56				FIBER OPTIC
STA. 1239+55		119'	B	CL 127TH AVE NW
STA. 1238+83	PI 27° RT			
STA. 1221+47			A	OVERHEAD POWER
STA. 1218+57				DRAINAGE
STA. 1203+55	PI 9° RT			
STA. 1194+06				UG TELEPHONE CABLE
STA. 1186+40		23'		CL 126TH AVE NW SELDOM USED TRAIL
STA. 1186+39				ENBRIDGE P/L
STA. 1184+11	PI 22° RT			
STA. 1183+21	PI 8° LT			
STA. 1182+38				BURIED POWER
STA. 1180+80	PI 32° LT			
STA. 1166+94	PI 0° LT			
STA. 1166+53				UG NATURAL GAS LINE
STA. 1166+53				PLAINS P/L
STA. 1164+15	PI 4° LT			
STA. 1162+24	PI 55° LT			55
STA. 1161+29				UG TELEPHONE CABLE
STA. 1160+67				55
STA. 1160+36	PI 55° RT			UG TELEPHONE CABLE
STA. 1160+35				ENBRIDGE P/L
STA. 1159+24				CP2
STA. 1158+98		63'	B	CL PRIVATE DRIVEWAY
STA. 1158+65				OVERHEAD POWER
STA. 1158+40	PI 4° RT		A	
STA. 1151+22	PI 1° LT			
STA. 1148+67	PI 5° LT			
STA. 1147+51	PI 2° LT			
STA. 1144+89	PI 5° LT			
STA. 1142+58				DRAINAGE
STA. 1133+34				FIBER OPTIC
STA. 1133+24				FIBER OPTIC
STA. 1132+82				FIBER OPTIC
STA. 1132+48				CP2
STA. 1132+07		125'	B	125TH AVE NW
STA. 1132+75	PI 14° RT		A	
STA. 1130+67	PI 15° LT			

GENERAL NOTES

ITEM	TYPE	O.D.	W.T.	CODE	GRADE	COATING	
A	LINE PIPE	10.75"	.219"	API 5L	X-52	FBE	MANUFACTURER: USS, TRIPLE RANDOM, ERW
B	CROSSING PIPE	10.75"	.307"	API 5L	X-52	FBE w/ ARO	MANUFACTURER: USS, TRIPLE RANDOM, ERW
C	CROSSING PIPE	10.75"	.365"	API 5L	X-52	FBE w/ ARO	MANUFACTURER: LSS, DOUBLE RANDOM, ERW
D	CROSSING PIPE	10.75"	.307"	API 5L	X-65	FBE	MANUFACTURER: LSS, DOUBLE RANDOM, ERW

1. PIPELINE MINIMUM DEPTH OF COVER IS 4'. CROSSING COUNTY AND TOWNSHIP ROADS MINIMUM DEPTH OF COVER IS 6'.
2. MINIMUM HYDROSTATIC TEST PRESSURE IS 1900 PSIG.

LEGEND

- PL — EXISTING PIPELINE (ENBRIDGE)
- CDPL — EXISTING PIPELINE (UNKNOWN)
- G — EXISTING NATURAL GAS PIPELINE (UNDERGROUND)
- T — EXISTING TELEPHONE
- E(O) — EXISTING ELECTRICAL (OVERHEAD)
- E — EXISTING ELECTRICAL (UNDERGROUND)
- FO — EXISTING FIBER OPTICS
- X — EXISTING FENCE

SUMMARY

ITEM	DESCRIPTION	QUANTITY
PIPE A	10.75" X .219 WT. API 5L X-52 w/ FBE	12,193'
PIPE B	10.75" X .307 WT. API 5L X-52 w/ FBE w/ ARO	307'
HB	55° HOT BEND	2
CP2	CP TEST LEAD	2

REFERENCE DRAWINGS	NO.	REVISION	BY	DATE
	1	AS CONSTRUCTED	CLF/GU	1/29/08

Rooney Engineering, Inc.
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(303) 792-5911

WILLIAMS — NORTH DAKOTA

SCALE	DRAWN	DATE	DRAWING NO.
AS SHN	CLF/GU	1/29/08	2424M0110