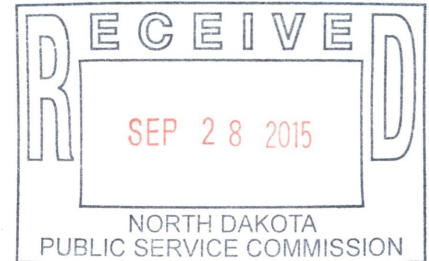


Brian R. Bjella
100 West Broadway, Suite 250
P.O. Box 2798
Bismarck, ND 58502-2798
701.223.6585
bbjella@crowleyfleck.com

September 28, 2015

via hand delivery

Mr. Darrell Nitschke
Executive Secretary
North Dakota Public Service Commission
600 E. Boulevard, Dept. 408
Bismarck, ND 58505-0480



In re: Enbridge Pipelines (North Dakota) LLC
Stanley Station Injection Upgrade Project
Mountrail County, North Dakota
Docket No. PU-08-812
Our File No. 31-411-001

Dear Mr. Nitschke:

Enclosed for filing in the above captioned matter please find two copies of responses to Mr. Patrick Fahn's request dated August 19, 2015, regarding Final Construction Inspection Reports.

Please call should you have any questions.

Very truly yours,

A handwritten signature in blue ink, appearing to be "BB" with a long horizontal stroke extending to the right.

Brian R. Bjella

bw
Enc.



September 22, 2015

North Dakota Pipeline Company LLC, dba NDPL LLC (formerly known as Enbridge Pipelines (North Dakota) LLC) provides the enclosed information in response to the request from Mr. Patrick Fahn dated August 18, 2015 regarding Final Construction Inspection Reports. Regarding Docket PU-08-812, Mr. Fahn requested the following information:

PU-08-812

On June 30, 2011, the final inspection report was issued for the Stanley Station Injection Upgrade Project in Mountrail County (Case No. PU-08-812, Enbridge Pipelines (North Dakota) LLC, Stanley Pump Station Upgrades, Siting Application). In the report, it was noted that the Company had not yet complied with a number of Order Points. In order to demonstrate its compliance with these order points, the Commission requests the Company provide the following information:

- Enbridge should provide a written record of each pressure test to establish maximum operating pressure at the Penn Station to complete Order Points 8, 14 and 18.
- Enbridge should provide written verification that no trees or shrubs were affected by the project or comply with the Tree and Shrub Mitigation Specification to comply with Order Point 19.
- Drawing 609-P-05013, drawing 609-P-05012 and a Bill of Material-piping material drawing should also be provided by Enbridge to complete Order # 20.

Please find attached the following items:

Attachment A – Summary detailing station pressure tests to establish maximum operating pressure at the Stanley Station, completing Order Points 8, 14 and 18.

Attachment B – Explanation of status of tree and shrub mitigation, completing Order Point 19.

Attachment C – Drawing 609-P-05013, Drawing 609-P-05012, and A bill of Material - piping material drawing, completing Order Point 20.



North Dakota Pipeline Company LLC

Docket No. PU-08-812

Attachment A

Docket No. PU-08-812

Attachment A

Pressure Test Summary

Stanley Station

1. Test: Suction Manifold
Date: 02/17/09
Length of Time Tested: 4 hours, 15 minutes
2. Test: New Meter Piping Spools
Date: 02/25/09
Length of Time Tested: 4 hours, 15 minutes
3. Test: Booster Pumps and Pipe Spools
Date: 02/03/09
Length of Time Tested: 4 hours, 15 minutes
4. Test: Fill Manifold
Date: 01/29/09
Length of Time Tested: 4 hours, 15 minutes
5. Test: Sump Pump Discharge Line
Date: 08/02/2009
Length of Time Tested: 4 hours, 15 minutes
6. Test: Pre-fabricated Pipe and fittings for booster pump discharge piping, piping for meter connections
Date: 06/05/09
Length of Time Tested: 4 hours, 15 minutes
7. Test: Pipe and fittings for the Stanley Station 150# ANSI tie-in
Date: 05/14/09
Length of Time Tested: 4 hours, 15 minutes
8. Test: Tank Suction lines
Date: 05/01/09
Length of Time Tested: 4 hours, 15 minutes
9. Test: New Installed below ground pipe and fittings
Date: 05/06/09
Length of Time Tested: 4 hours, 15 minutes
10. Test: Tank fill and Suction lines
Date: 02/23/09
Length of Time Tested: 4 hours, 15 minutes

All new materials and equipment were tested and had the proper ratings.



North Dakota Pipeline Company LLC

Docket No. PU-08-812

Attachment B

Docket No. PU-08-812
Attachment B

Based on the scope of the Project (see below for Section A.3.b from the Corridor Certificate Application) and the fact that no new land was acquired, no trees or shrubs were removed for Stanley Station Upgrade Project.

From the Certificate of Need Application:

A.3.b Description of size and design of pipeline facility

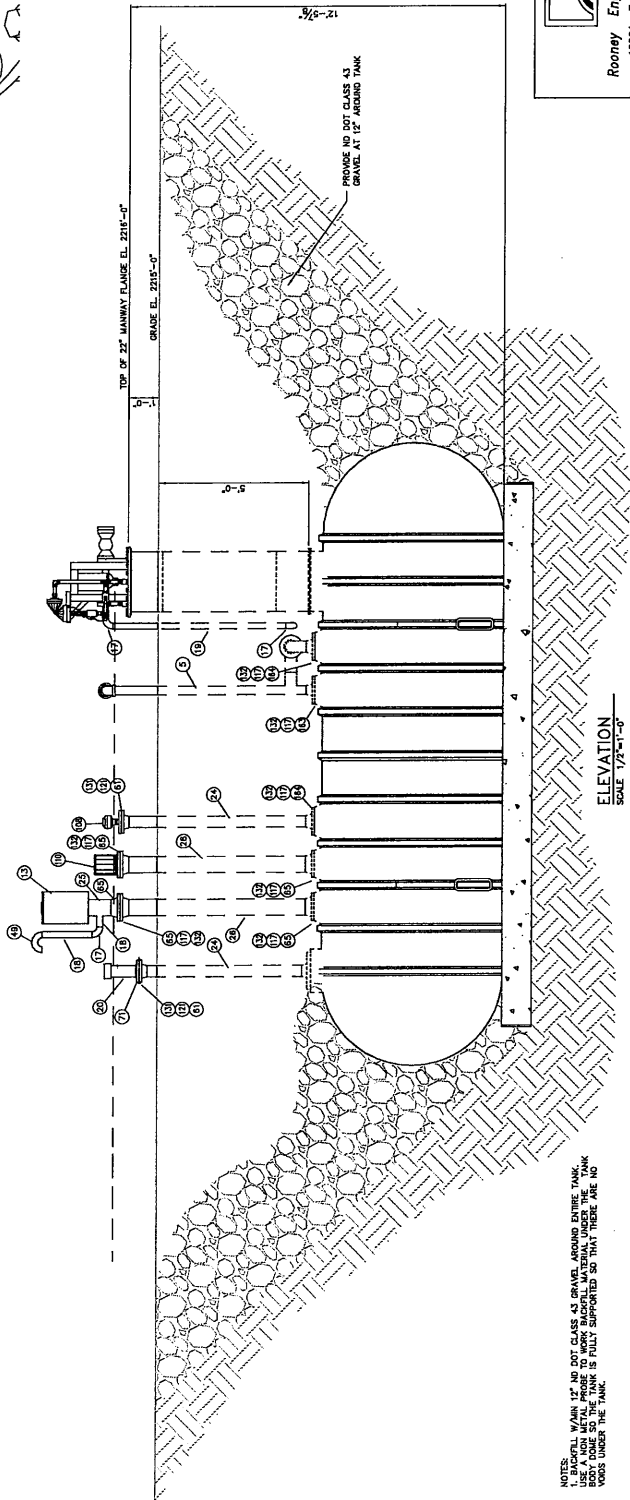
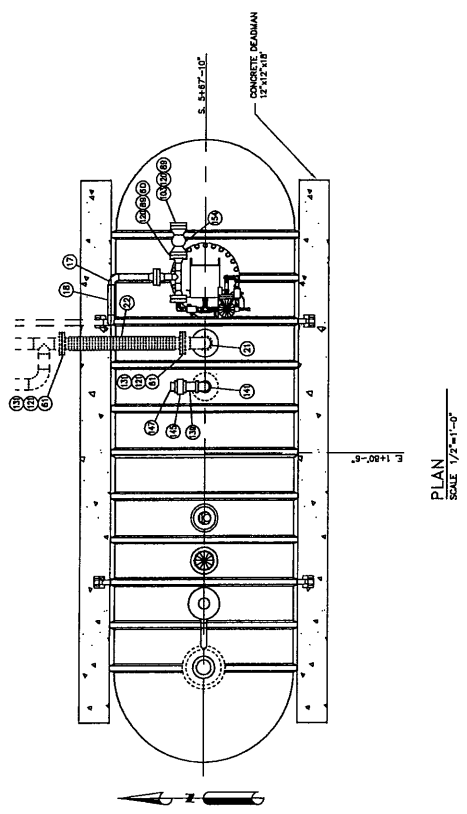
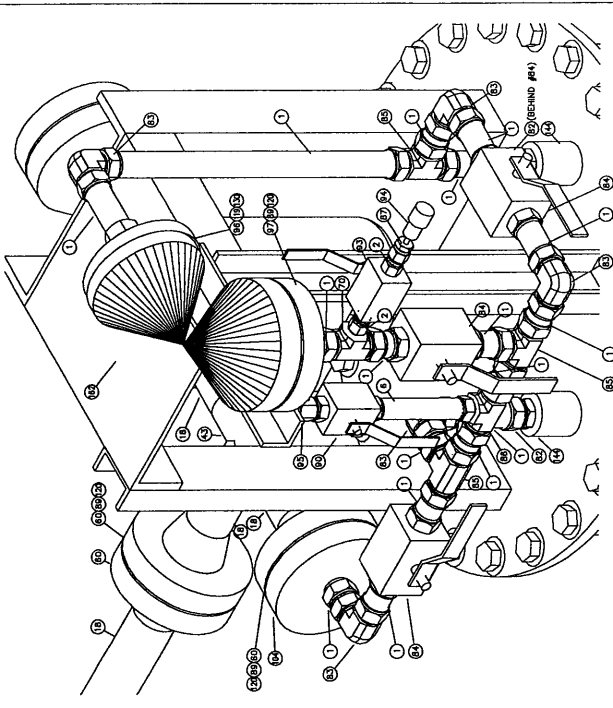
As stated in Section A.1, no new pipeline is being proposed as part of the Stanley Station Injection Upgrade Project. EPND proposes to maximize the injection capacity of its Stanley Pump Station through the construction of new pumping units and the reconfiguration and replacement of certain station piping all within the existing station site, as described in more detail below in Section A.3.b.(7). All upgrades to the station site will be constructed on land already owned by EPND and no new land will be required.



North Dakota Pipeline Company LLC

Docket No. PU-08-812

Attachment C



NOTES:
1. BAGFILL WITH 12" NO DOT CLASS 43 GRAVEL AROUND ENTIRE TANK.
2. BAGFILL WITH 12" NO DOT CLASS 43 GRAVEL UNDER TANK.
3. A NON METALLIC SUPPORT SHALL BE PROVIDED TO SUPPORT THE TANK Voids UNDER THE TANK.

NO	REVISION	DATE	APPR	BY
1	ISSUED FOR AS-BUILT	10/24/08	ADJ	

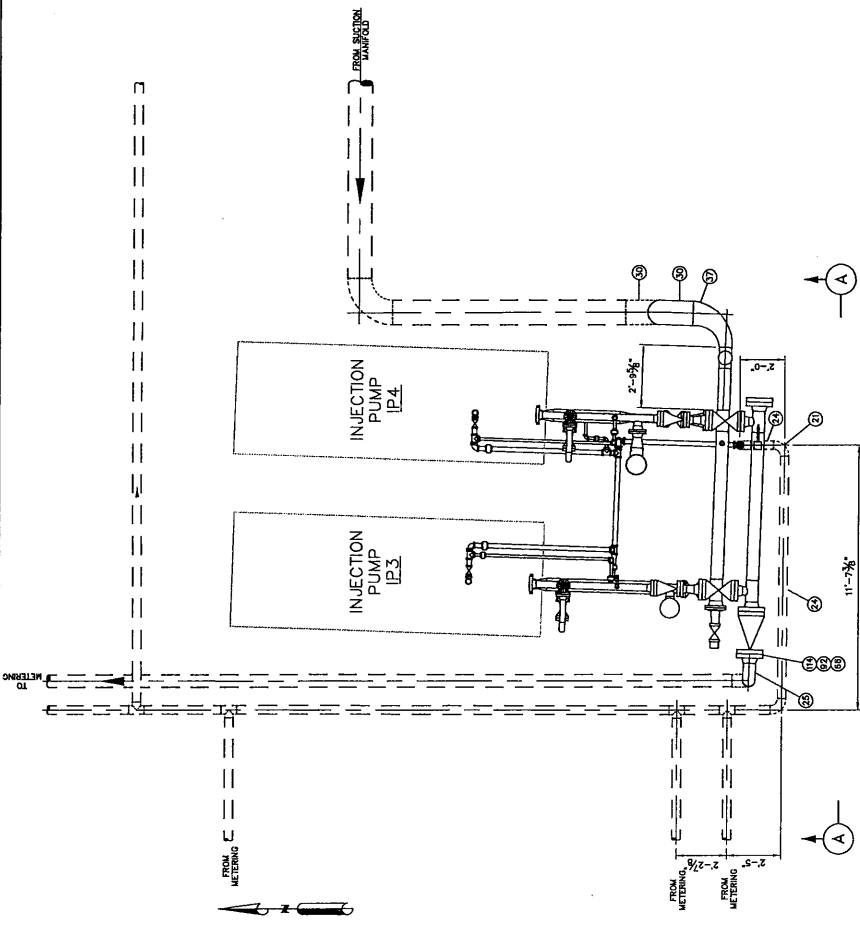
ENBRIDGE PIPELINES (NORTH DAKOTA) LLC
STANLEY (ND) STATION
 PIPING DETAILS & SECTIONS
 SUMP TANK

PROJECT: ENBRIDGE - 2608-05
 SCALE: AS NOTED DATE: 7/7/08 DRAWN:
 CHECK: APPR: DATE:

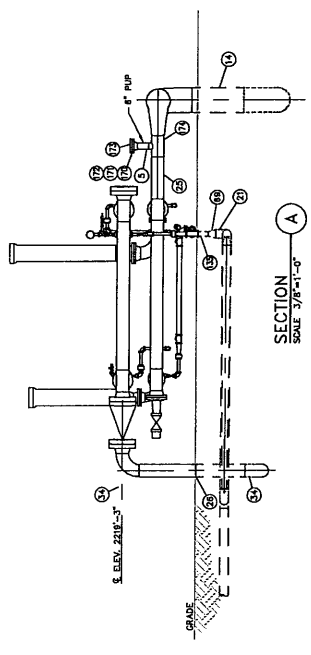
DWG. NO. 609-P-05012



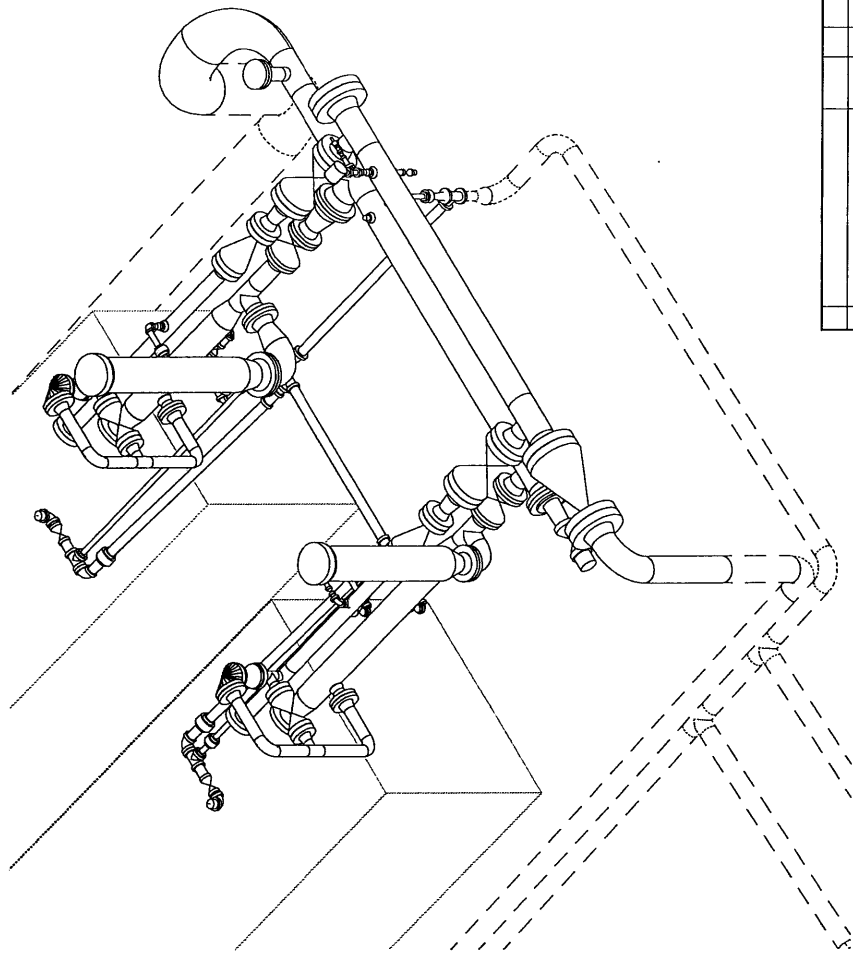
Rooney Engineering, Inc.
 12201 E. Arapahoe Rd.
 Denver, CO 80112
 (303) 752-3911



PLAN
SCALE 3/8"=1'-0"



SECTION
SCALE 3/8"=1'-0"



NO	REVISION	DATE	APPR BY
1	ISSUED FOR AS-BUILT	10/24/08	ADU

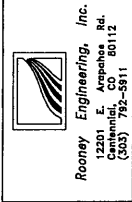
ENBRIDGE PIPELINES (NORTH DAKOTA) LLC
STANLEY (ND) STATION
 PIPING DETAIL & SECTIONS
 INJECTION PUMP DRAIN PIPING

PROJECT: ENBRIDGE - 2608-05
 SCALE: AS NOTED | DATE: 7/7/08 | DRAWN:
 CHECK: | APPR: | DATE:
 DWG. NO. 609-P-05013



Rooney Engineering, Inc.
 12201 E. Aspenheia Rd.
 Greenwood Village, CO 80112
 (303) 752-5911

BILL OF MATERIAL			BILL OF MATERIAL			BILL OF MATERIAL			BILL OF MATERIAL					
MARK	QTY	SIZE	DESCRIPTION	LENGTH	MARK	QTY	SIZE	DESCRIPTION	LENGTH	MARK	QTY	SIZE	DESCRIPTION	LENGTH
1	1	1"	STAINLESS STEEL TURNING, 1.000 O.D. X 0.005 W.T., 316/316L	5'-0 1/4"	86	1	2"x1"	ADAPTER, SWAGelok FLANGE ANSI 150, SWAGelok	150	10	16"	16"	GASKET, ANSI 150, FLEXTALIC SPIRAL WOUND, TYPE "COR", 316	316
2	1	1/2"	SWAGelok OR EQUIV. TURNING, 0.500 O.D. X 0.005 W.T., 316/316L	4"	87	1	2"x1"	ADAPTER, SWAGelok FLANGE ANSI 800, SWAGelok	150	1	2"	2"	GASKET, ANSI 150, FLEXTALIC SPIRAL WOUND, TYPE "COR", 316	316
5	3	3/8"	PIPE, 3.500 O.D. X 0.3 W.T., API-5L, SMLS, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	6'-3 3/8"	88	2	8"x8"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	131	4	4"	4"	GASKET, ANSI 150, FLEXTALIC SPIRAL WOUND, TYPE "COR", 316	316
6	1	3/4"	SWAGelok OR EQUIV. TURNING, 0.750 O.D. X 0.005 W.T., 316/316L	6 1/8"	89	2	12"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	132	13	6"	6"	GASKET, ANSI 150, FLEXTALIC SPIRAL WOUND, TYPE "COR", 316	316
11	1	10"	PIPE, 10.75 O.D. X 0.385 W.T., API-5L, ERW, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	8'-0"	100	5	12"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	133	26	8"	8"	GASKET, ANSI 150, FLEXTALIC SPIRAL WOUND, TYPE "COR", 316	316
13	1	12"	PIPE, 12.75 O.D. X 0.375 W.T., API-5L, ERW, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	4'-0"	102	7	16"	BOOSTER PUMP	135	1	2"	2"	WROTE (ASTM A-105) WRT. 150, GRADE B BUC-TPE	8"
14	1	12"	PIPE, 12.75 O.D. X 0.375 W.T., API-5L, ERW, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	14'-0"	103	1	2"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	136	1	2"	2"	WROTE (ASTM A-105) WRT. 150, GRADE B BUC-TPE	8"
15	1	16"	PIPE, 16.0 O.D. X 0.375 W.T., API-5L, ERW, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	14'-0"	104	2	1"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	144	2	1"	1"	CONG. THERO SPOOLER, ASTM A-105	1-5"
16	1	16"	PIPE, 16.0 O.D. X 0.375 W.T., API-5L, ERW, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	14'-0"	105	1	2"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	147	1	3"	3"	CONG. THERO SPOOLER, ASTM A-105	1-5"
17	1	10"	ELL, 90° L.R., C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	5'-0"	106	3	4"	SMITRANS LR 250 RADAR LEVEL TRANSMITTER WITH A 4" ANSI 150 FLANGE CONNECTION, TYP. TML6341-10000-0001	148	2	3"	3"	PLUG, ASTM A-105, RFFE, C.S., ASTM A-105, REGULAR PATTERN (EST WGT)	2-7"
18	1	2"	PIPE, 2.375 O.D. X 0.216 W.T., API-5L, SMLS, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	5'-0"	107	1	4"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	149	3	10"	10"	DEE LAB PLUG VALVE, BORG PLG	1-2"
19	1	2"	PIPE, 2.375 O.D. X 0.216 W.T., API-5L, SMLS, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	21'-0"	108	1	8"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	150	3	12"	12"	DEE LAB PLUG VALVE, BORG PLG	1-2"
20	1	4"	CLEAR PVC SHORT GAUGE	1'-0"	109	1	8"	HIGH SHUT DOWN SWITCH	151	2	18"	18"	DEE LAB PLUG VALVE, BORG PLG	1-4"
21	29	4"	ELL, 90° L.R., C.S., ASTM A-234, BUTT WELD, (SCH. 80 BORE), WPR, ANSI B16.9	4'-0"	110	6	8"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	152	2	8"	8"	DEE LAB PLUG VALVE, BORG PLG	1-5"
22	1	4"	ANNUALS STANDARD PITCH HOSE, 4" BORG, L.A.S.E.S. PANS 150	4'-0"	111	17	1 1/4"	(10) STD BOLTS FOR 10" 300LB FLANGES, ASTM A-193, OR 87 W/NO (2) ASTM A-194, OR 2H, HEAVY HEX NUTS EACH, 1/2" LONGER THAN B16.5	153	9	2"	2"	DEE LAB PLUG VALVE, BORG PLG	11 1/2"
23	1	4"	PIPE, 4.500 O.D. X 0.337 W.T., API-5L, SMLS OR ERW, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	4'-0"	112	17	1 1/4"	(10) STD BOLTS FOR 10" 300LB FLANGES, ASTM A-193, OR 87 W/NO (2) ASTM A-194, OR 2H, HEAVY HEX NUTS EACH, 1/2" LONGER THAN B16.5	154	1	2"	2"	DEE LAB PLUG VALVE, BORG PLG	11 1/2"
24	1	4"	PIPE, 4.500 O.D. X 0.337 W.T., API-5L, SMLS OR ERW, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	7'-3 1/2"	113	2	1 1/8"	(10) STD BOLTS FOR 10" 300LB FLANGES, ASTM A-193, OR 87 W/NO (2) ASTM A-194, OR 2H, HEAVY HEX NUTS EACH, 1/2" LONGER THAN B16.5	155	2	10"	10"	DEE LAB PLUG VALVE, BORG PLG	2-7"
25	1	8"	PIPE, 8.625 O.D. X 0.28 W.T., API-5L, SMLS OR ERW, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	14'-0"	114	2	1"	(10) STD BOLTS FOR 10" 300LB FLANGES, ASTM A-193, OR 87 W/NO (2) ASTM A-194, OR 2H, HEAVY HEX NUTS EACH, 1/2" LONGER THAN B16.5	156	2	12"	12"	DEE LAB PLUG VALVE, BORG PLG	2-7"
26	1	8"	PIPE, 8.625 O.D. X 0.28 W.T., API-5L, SMLS OR ERW, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	72'-0"	115	2	1"	(10) STD BOLTS FOR 10" 300LB FLANGES, ASTM A-193, OR 87 W/NO (2) ASTM A-194, OR 2H, HEAVY HEX NUTS EACH, 1/2" LONGER THAN B16.5	182	1	2"x2"	2"x2"	RELIEF VALVE, BORG X 150LB FLG, ANDERSON GREENWOOD, PN/SP1501C10A-9	2-7"
27	1	8"	PIPE, 8.625 O.D. X 0.28 W.T., API-5L, SMLS OR ERW, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	20'-0"	183	1	6"x3"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	183	1	6"x3"	6"x3"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
28	1	8"	PIPE, 8.625 O.D. X 0.28 W.T., API-5L, SMLS OR ERW, GRADE B, DRL, BFW, PE, FBE COATED 14-16 MILS	12'-0"	184	2	6"x4"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	184	2	6"x4"	6"x4"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
29	21	10"	ELL, 90° L.R., C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	12'-0"	185	1	10"	BLIND, SPECTACLE, 150LB, ASTM A-105	185	1	10"	10"	BLIND, SPECTACLE, 150LB, ASTM A-105	316
30	14	12"	ELL, 90° L.R., C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	72'-0"	186	2	8"	BLIND, SPECTACLE, 150LB, ASTM A-105	186	2	8"	8"	BLIND, SPECTACLE, 150LB, ASTM A-105	316
31	2	12"	ELL, 90° SCHEMABLE, C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	20'-0"	187	1	8"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	187	1	8"	8"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
32	2	10"	ELL, 90° L.R., C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	20'-0"	188	2	16"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	188	2	16"	16"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
33	1	16"	ELL, 90° SCHEMABLE, C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	12'-0"	189	1	2"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	189	1	2"	2"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
34	8	8"	ELL, 90° L.R., C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	72'-0"	190	1	10"x10"	SWAGelok, THE REDUCING UNION, SS-1010-3-16-B	190	1	10"x10"	10"x10"	SWAGelok, THE REDUCING UNION, SS-1010-3-16-B	316
35	13	8"	ELL, 90° L.R., C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	108'-0"	191	1	5/8"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	191	1	5/8"	5/8"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
36	3	10"x8"	ELL, 90° L.R., C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	36'-0"	192	1	3/4"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	192	1	3/4"	3/4"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
37	2	12"x8"	ELL, 90° L.R., C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	24'-0"	193	1	5/8"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	193	1	5/8"	5/8"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
38	1	12"x8"	ELL, 90° L.R., C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	24'-0"	194	1	5/8"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	194	1	5/8"	5/8"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
39	2	16"x10"	ELL, 90° L.R., C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	96'-0"	195	1	3/4"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	195	1	3/4"	3/4"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
40	3	16"x12"	ELL, 90° L.R., C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	144'-0"	196	2	5/8"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	196	2	5/8"	5/8"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
41	1	10"x8"	REDUCER, CONG. C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	36'-0"	197	1	18"	CHEK VALVE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	197	1	18"	18"	CHEK VALVE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
42	6	10"	TEE, C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	36'-0"	198	1	10"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	198	1	10"	10"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
43	3	2"	TEE, C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	12'-0"	199	1	10"x2"	SWAGelok, THE REDUCING UNION, SS-1010-3-16-12	199	1	10"x2"	10"x2"	SWAGelok, THE REDUCING UNION, SS-1010-3-16-12	316
44	23	4"	TEE, C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	92'-0"	200	1	17/32"x4"	SWAGelok, REDUCING UNION, SS-810-8-4	200	1	17/32"x4"	17/32"x4"	SWAGelok, REDUCING UNION, SS-810-8-4	316
45	2	10"x4"	TEE, C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	72'-0"	201	1	10"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	201	1	10"	10"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
46	1	10"x8"	TEE, C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANSI B16.9	36'-0"	202	1	10"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	202	1	10"	10"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316
47	1	10"	CONDUIT, 1" METER, CMVICS	36'-0"	203	1	12"	FLG. ANSI 800, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	203	1	12"	12"	FLANGE, ANSI 150, RFFE, C.S., ASTM A-105, (STD WALL BORE), WPR, ANSI B16.9	316



Stanley Engineering, Inc.
12201 E. Arapahoe Rd.
Denver, CO 80112
(303) 792-5911

PROJECT: ENBRIDGE - 2608-05
SCALE: AS NOTED
DATE: 9/23/08
DRAWN: [blank]
CHECK: [blank]
APPR: [blank]
DATE: [blank]

DWG. NO. 609-P-05018

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC
STANLEY (ND) STATION
MATERIALS
SHEET 1 OF 2

NO REVISION
DATE 10/24/08
ADJ
BY

BILL OF MATERIAL

MARK QTY	SIZE	DESCRIPTION	LENGTH
200 1	1"	PIPE, COPPER	18'-10"
201 8	1"	ELL, 90°, COPPER, SWEAT FITTING	
202 2	1"	ELL, 45°, COPPER, SWEAT FITTING	
203 2	1/2"	1/2" NPT TO 1" SWEAT	
204 3	3/4"	NIPPLE, ASTM A-106, UNPT, SCH. 160, GRADE B TBE	CLOSE
205 10	3/4"	NIPPLE, ASTM A-106, UNPT, SCH. 160, GRADE B TBE	3'
206 1	3/4"	90 STREET ELL, ASTM A-106, UNPT, SCH. 160, 3000#	
207 2	3/4"	TEE, ASTM A-106, UNPT, 3000#, GRADE B	
208 2	1"	UNION, COPPER, SWEAT FITTING	
209 3	3/4"	UNION, NPT, 3000#, ASTM A-106, GRADE B	
210 2	3/4"	ELL, 90°, NPT, 3000#, ASTM A-106, GRADE B	
211 3	3/4"	REDUCER, 1/2" X 3/4", 3000#, ASTM A-106, GRADE B, TBE	1 5/8"
212 1	3/4"	PIPE, API 5L, SCH. 40, GRADE B, SMLS, DRG. PE	6'-11"
213 1	3/4"	3/4" X 1/2" SS W/2 X 1/2" MALE UNION X 3/4" X 1/2" REDUCER W/ 1/2" UNION STEEL RIBBED FACE	
214 2	3/4"	ELL, 90°, NPT, 150LB	
215 1	4"x2"	ELL, 90°, RED. LR., C.S., ASTM A-234, BUTT WELD, (SCH. 40), WPR, ANS B16.9	

BILL OF MATERIAL

MARK QTY	SIZE	DESCRIPTION	LENGTH
182 11	12"	FLG. ANS B06, RTE. C.S., ASTM A-103, STD WALL (BORG), WPR, ANS B16.9	
183 11	1 1/4"	(20) STD BOLTS FOR 12" HOLES FLANGES, ASTM A-193, OR BY W/PNO (2), ASTM A-194, OR 2H, HEAVY HEX NUTS EACH, 1/2" LONGER THAN BRLS	9 1/4"
184 2	1 1/4"	(20) STD BOLTS FOR 12" HOLES FLANGES WITH SPECTACLE BUSH, ASTM A-193, OR BY W/PNO (2), HEAVY HEX NUTS EACH, 1/2" LONGER THAN BRLS PLUS THICKNESS OF SPEC. BUSH	11"
185 15	12"	GASKET, ANS B06, FLEXITALLIC SPIRAL WOUND, TYPE "CSP", 316 SS WOUND, ASME B16.20	
186 2	12"	FLG. VALVE, SPECIFICAL B06B, ASTM A-105	1 5/8"
187 2	12"	DATE VALVE, ANS B06, RTE.	2'-0"
188 1	12"x10"	W/NO. 12" X 10" X 1/2" W/NO. 12" X 10" X 1/2" STD WALL, WPR, ANS B16.9	
189 1	10"	FLG. ANS B06, RTE. C.S., ASTM A-103, STD WALL (BORG), F-42, MSB 5P-44	
190 2	12"	FLG. ANS B06, RTE. C.S., ASTM A-103, STD WALL (BORG), F-42, MSB 5P-44	
191 1	1 3/8"	(10) STD BOLTS FOR 10" HOLES FLANGES, ASTM A-193, OR BY W/PNO (2), ASTM A-194, OR 2H, HEAVY HEX NUTS EACH, 1/2" LONGER THAN BRLS	10"
192 2	1 3/8"	(20) STD BOLTS FOR 10" HOLES FLANGES, ASTM A-193, OR BY W/PNO (2), ASTM A-194, OR 2H, HEAVY HEX NUTS EACH, 1/2" LONGER THAN BRLS	10 1/2"
193 1	10"	GASKET, ANS B06, FLEXITALLIC SPIRAL WOUND, TYPE "CSP", 316 SS WOUND, ASME B16.20	
194 1	12"	GASKET, ANS B06, FLEXITALLIC SPIRAL WOUND, TYPE "CSP", 316 SS WOUND, ASME B16.20	
195 1	12"x10"	REDUCER, CONC. C.S., ASTM A-234, BUTT WELD, (STD WALL), WPR, ANS B16.9	
196 3	12"	CHECK VALVE, SWING TYPE, ANS B06, RTT, CARBON STEEL, 316 TRIM, BOLTED BONNET/FACE TRIM, API 6D	2'-0"
197 3	12"	FLG. ANS B06, RTE. C.S., ASTM A-103, STD WALL (BORG), Y-42, MSB 5P-44	
198 4	12"	ELL, 90° LR., C.S., ASTM A-234, BUTT WELD, (STD WALL), Y-42, MSB 5P-75	
199 1	12"	PIPE, 12.750 O.D. X 0.375 W.T., API-5L, DRW. X-42, 316L DRN, PE	42'-5"


NO	REVISION	DATE	APPR	BY
1	ISSUED FOR AS-BUILT	10/24/2009		ADJ

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC
STANLEY (ND) STATION

MATERIALS
 SHEET 2 OF 2

PROJECT ENBRIDGE - 2534
 SCALE: 3/8"=1'-0"
 DATE: 2/28/08
 DRAWN: _____
 CHECK: _____
 APPR: _____
 DATE: _____

DWG. NO. 609-P-05019



Rooney Engineering, Inc.
 12201 E. Arapahoe Rd.
 Centennial, CO 80112
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