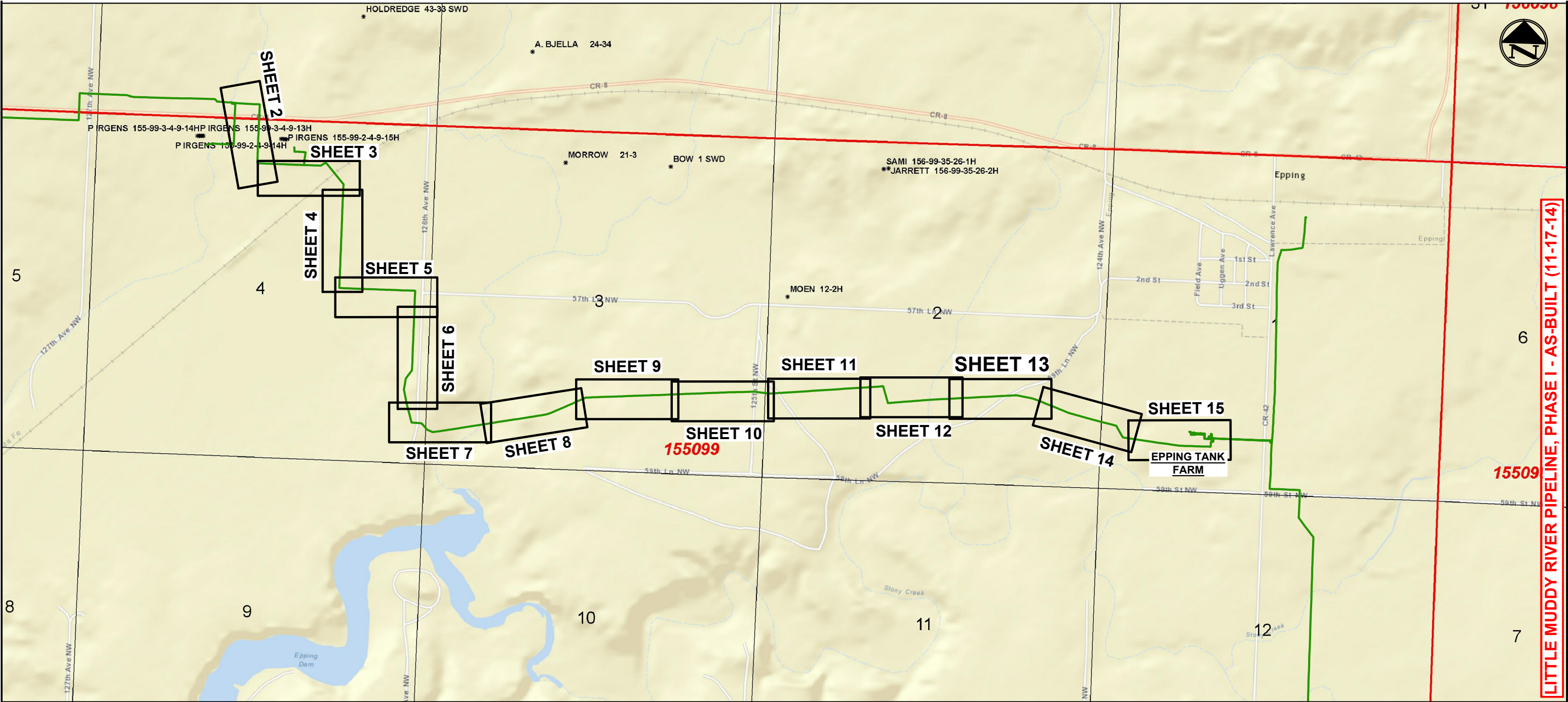




ABBREVIATIONS:

S=STEEL
P=POLYETHELENE
CP=CATHODIC PROTECTION STATION
TW=TRACER WIRE STATION
DW=DISPOSAL WATER

QUANTITIES (FT):

10" API5L PSL-2, X42/52, HFW, FBE, WT 0.365	19,126 LF
10" API5L PSL-2, X42, HFW, FBE/ARO, WT 0.365	1,645 LF
16" SCH 40 CASING , WT 0.500	342 LF

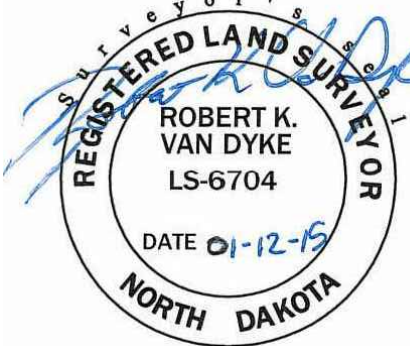
NOTES:

- THESE QUANTITIES ARE BASED ON THE TOP OF PIPE SHOTS AND REPRESENT ACTUAL PIPE LENGTH ONLY WHERE OPEN TRENCH SURVEY WAS POSSIBLE, THEREFORE ARE APPROXIMATE.
- THE PIPE LENGTHS AS SHOWN MAY INCLUDE FITTINGS, BENDS AND VALVES.

PRESSURE TEST:
ALL SECTIONS = 1,881.5 psi

SHEET INDEX

1"=1,500'



AS BUILT NOTES:

- THESE AS-BUILTS ARE CURRENT AS THE DATE LISTED ON THE RIGHT MARGIN. ANY CONSTRUCTION THAT HAS TAKEN PLACE AFTER THIS DATE WILL NOT BE SHOWN ON THESE PLANS.
- NOT ALL ADJACENT PIPELINES, UTILITIES OR FOREIGN CROSSINGS ARE SHOWN ON THESE PLANS. ONLY EXPOSED LINES COLLECTED DURING CONSTRUCTION FOR FUTURE LOCATING OF THE PIPELINE SHOWN HEREON.
- ALL TOWNSHIP, SECTION, OR PROPERTY LINES ARE FOR REFERENCE ONLY. NO BOUNDARY SURVEY WORK HAS BEEN PERFORMED. PROPERTY LINES AND LANDOWNER INFORMATION AS SHOWN WERE PROVIDED BY THE CLIENT.
- PIPELINE DEPTH AT BORE LOCATIONS IS NOT REPRESENTED IN THE PROFILE ON THESE PLANS.

LEGEND	
	SECTION LINE
	PROPERTY LINE
	DISPOSAL WATER
	OIL
	BORE SEGMENT
	FOREIGN XING AS NOTED
	UNDEGROUND ELECTRIC
	FENCE LINE
	ISOLATION VALVE
	PIG LAUNCHER
	PIG RECEIVER
	CATHODIC PROT. STATION
	TRACER WIRE STATION

MATERIAL SUMMARY	
MARK	QTY.

REVISIONS	
NO.	DATE

CHIPPEWA
RESOURCES

1408 20th Avenue SW, Suite 6
Minot, ND 58703

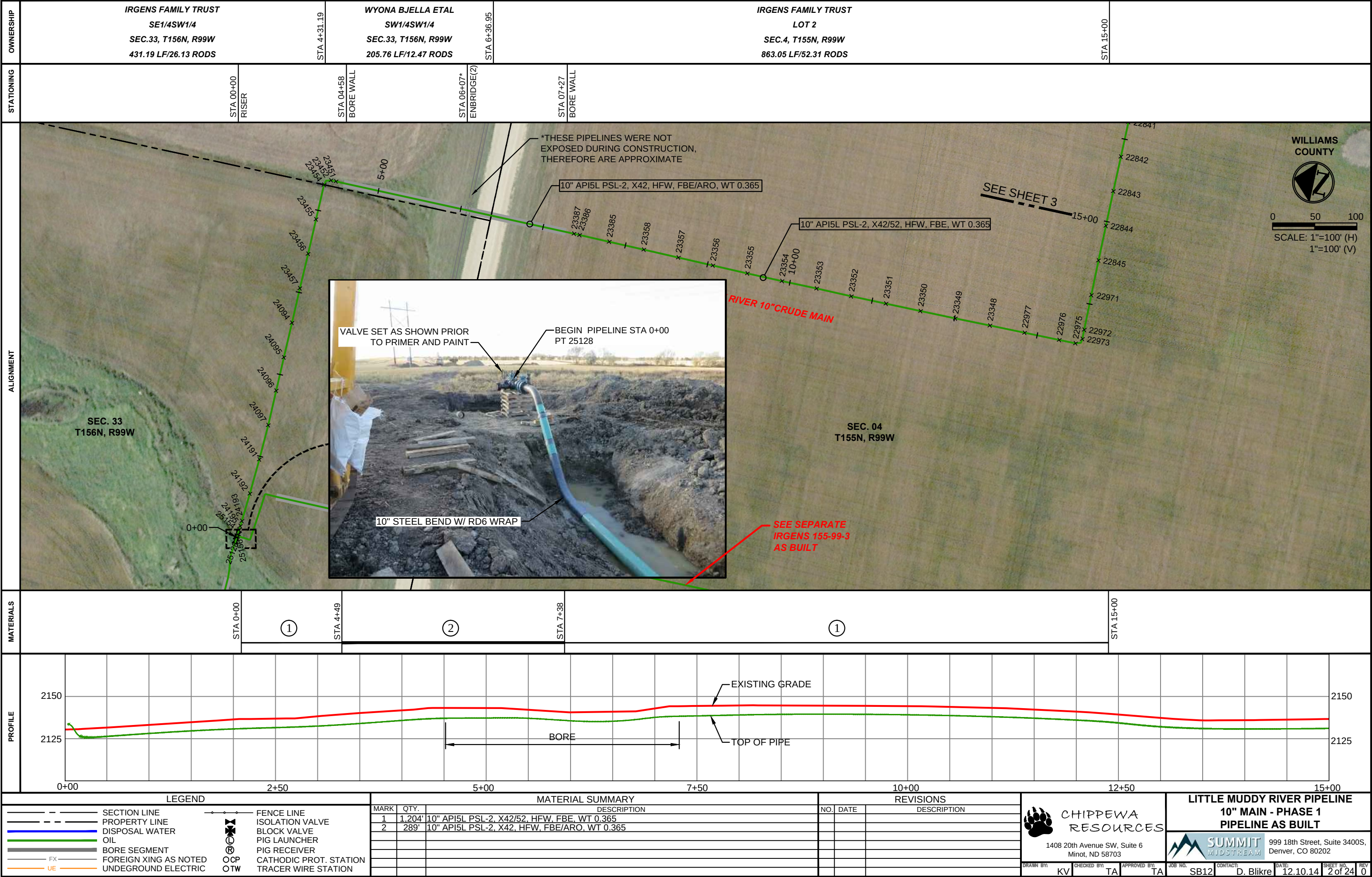
LITTLE MUDDY RIVER PIPELINE
10" MAIN - PHASE 1
PIPELINE AS BUILT

SUMMIT MIDSTREAM

999 18th Street, Suite 3400S,
Denver, CO 80202

DRAWN BY: KV
CHECKED BY: TA
APPROVED BY: TA

JOB NO: SB12
CONTACT: D. Blikre
DATE: 12.10.14
SHEET NO: 1 of 24
REV: 0



OWNERSHIP

STATIONING

ALIGNMENT

MATERIALS

PROFILE

STA 15+00

IRGENS FAMILY TRUST
LOT 2
SEC.4, T155N, R99W
957.20 LF/58.01 RODS

STA 20+78
6"x4" TEE

STA 24+57.20
BNSF RR RIGHT OF WAY
LOT 2
SEC.4, T155N, R99W
300 LF/18.18 RODS

STA 27+57.19
IRGENS FAMILY TRUST
SE1/4NE1/4 & A PORTION OF N1/2NE1/4
SEC.4, T155N, R99W
242.81 LF/14.72 RODS

STA 30+00

22976
22975
22973
22972
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23312
23311
22968
22967

LITTLE MUDDY RIVER 10"CRUDE MAIN

10" API5L PSL-2, X42/52, HFW, FBE, WT 0.365

SEE SEPARATE
IRGENS 155-99-2

SEC. 04
T155N, R99W

10" API5L PSL-2, X42, HFW, FBE/ARO, WT 0.365
W/ 16" STEEL, SCH 40 CASING

SEE SHEET 2

SEE SHEET 4

WILLIAMS COUNTY

0 50 100
SCALE: 1"=100' (H)
1"=100' (V)

STA 15+00

①

STA 24+33

③
②

STA 28+21

①

STA 30+00

2150
2125

15+00 17+50 20+00 22+50 25+00 27+50 30+00

EXISTING GRADE

TOP OF PIPE

BORE
TRUE BORE DEPTH NOT SHOWN

LEGEND

SECTION LINE

PROPERTY LINE

DISPOSAL WATER

OIL

BORE SEGMENT

FX FOREIGN XING AS NOTED

UE UNDERGROUND ELECTRIC

FENCE LINE

ISOLATION VALVE

BLOCK VALVE

PIG LAUNCHER

PIG RECEIVER

CATHODIC PROT. STATION

TRACER WIRE STATION

MATERIAL SUMMARY

MARK	QTY.	DESCRIPTION
1	1,112'	10" API5L PSL-2, X42/52, HFW, FBE, WT 0.365
2	388'	10" API5L PSL-2, X42, HFW, FBE/ARO, WT 0.365
3	342'	16" SCH 40 CASING, WT 0.500

REVISIONS

NO.	DATE	DESCRIPTION

CHIPPEAWA
RESOURCES

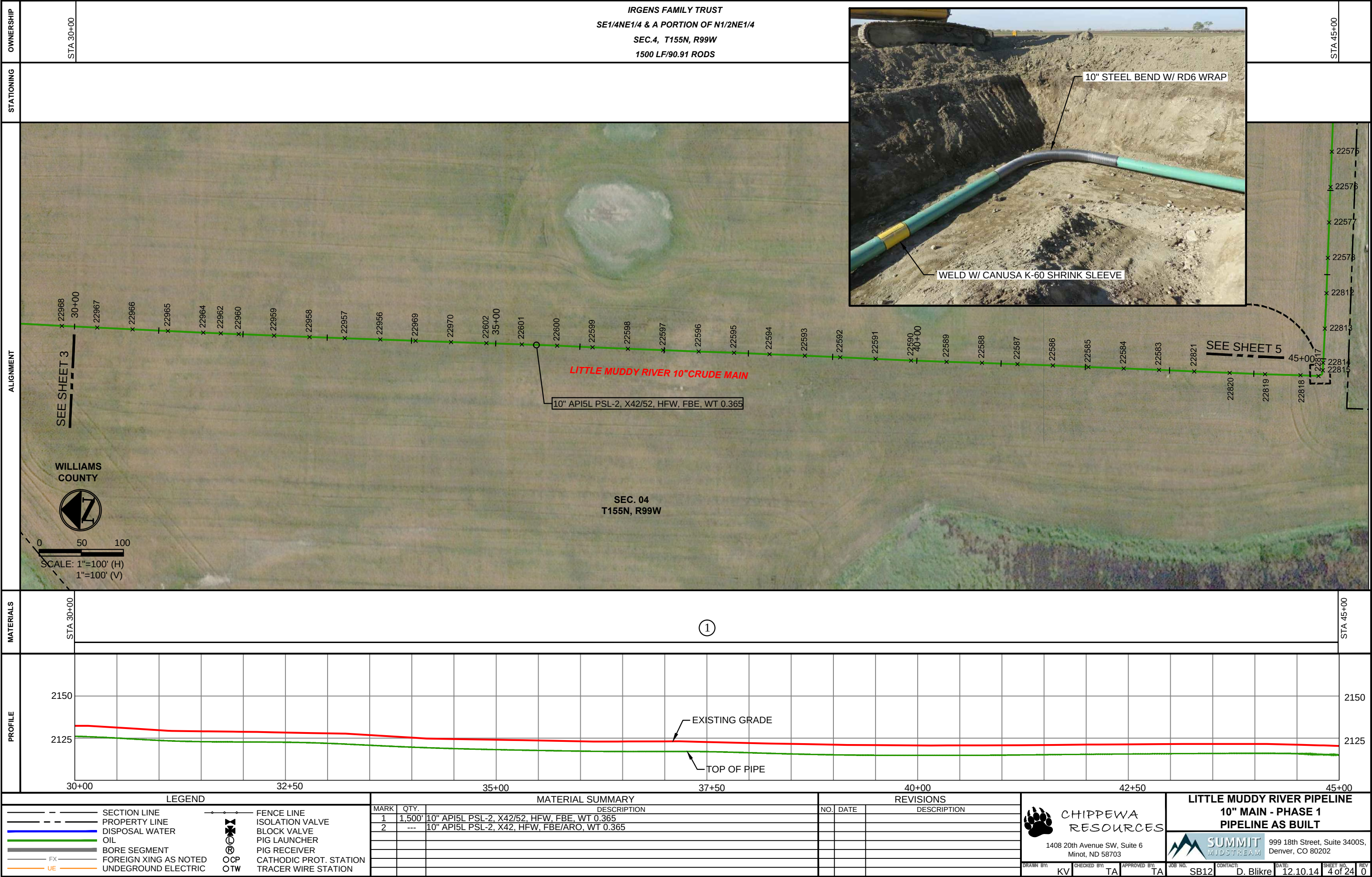
1408 20th Avenue SW, Suite 6
Minot, ND 58703

SUMMIT
MIDSTREAM

999 18th Street, Suite 3400S,
Denver, CO 80202

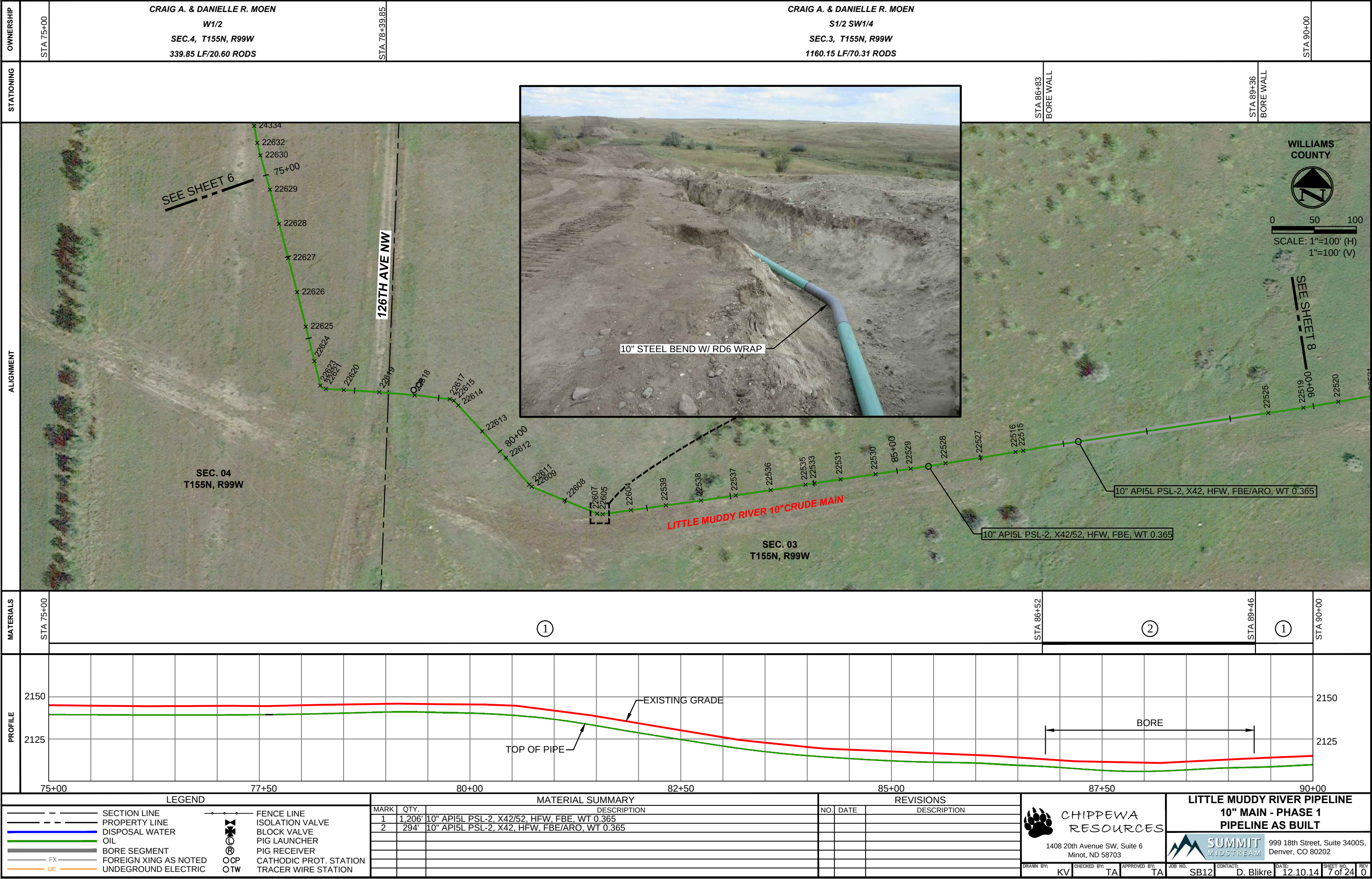
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APPROVED BY: TA

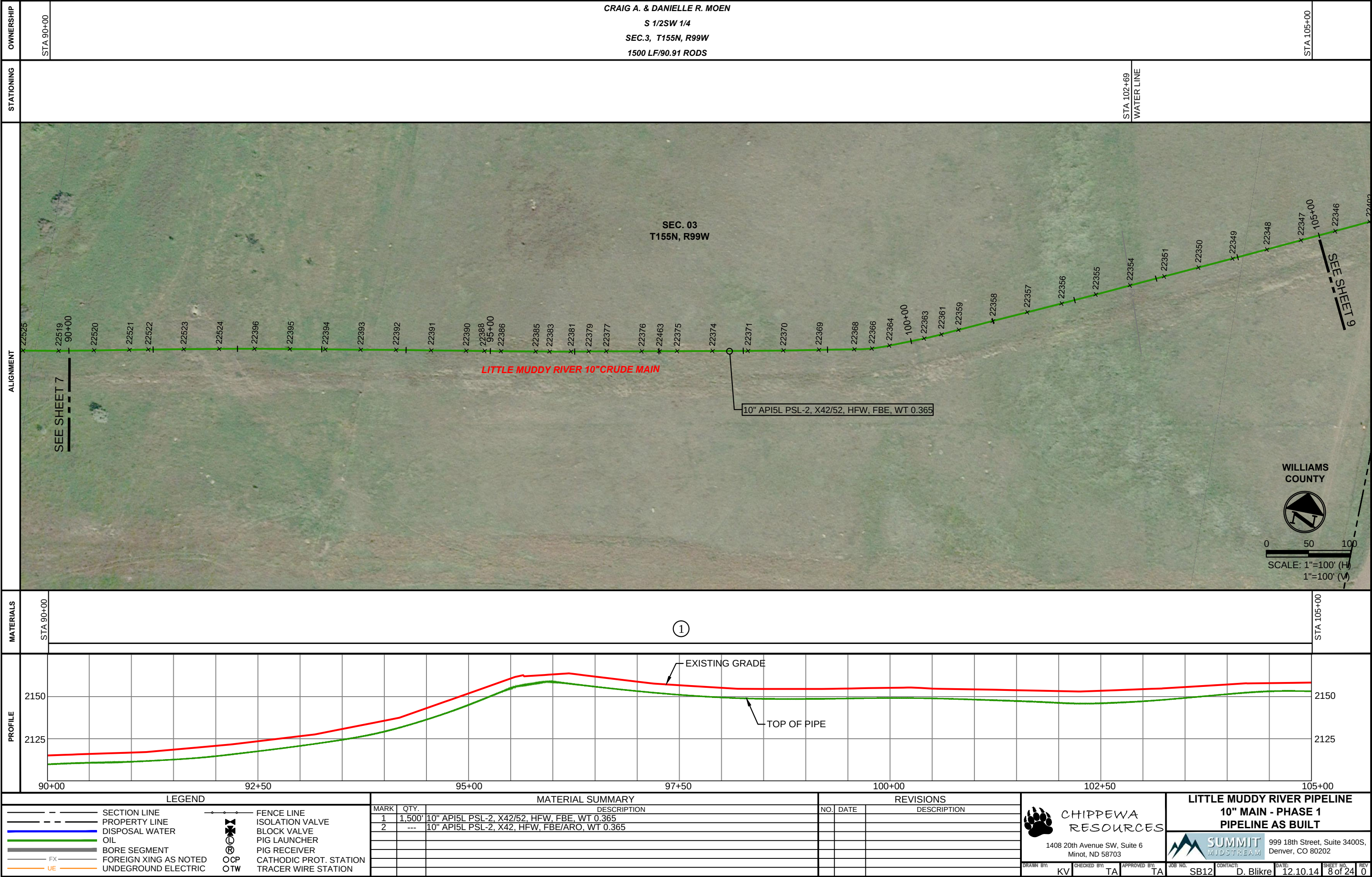
JOB NO. SB12
CONTACT: D. Blikre
DATE: 12.10.14
SHEET NO. 3 of 24
REV 0











OWNERSHIP

STATIONING

ALIGNMENT

MATERIALS

PROFILE

LEGEND

MATERIAL SUMMARY

REVISIONS

CHIPPEWA RESOURCES

LITTLE MUDDY RIVER PIPELINE 10" MAIN - PHASE 1 PIPELINE AS BUILT

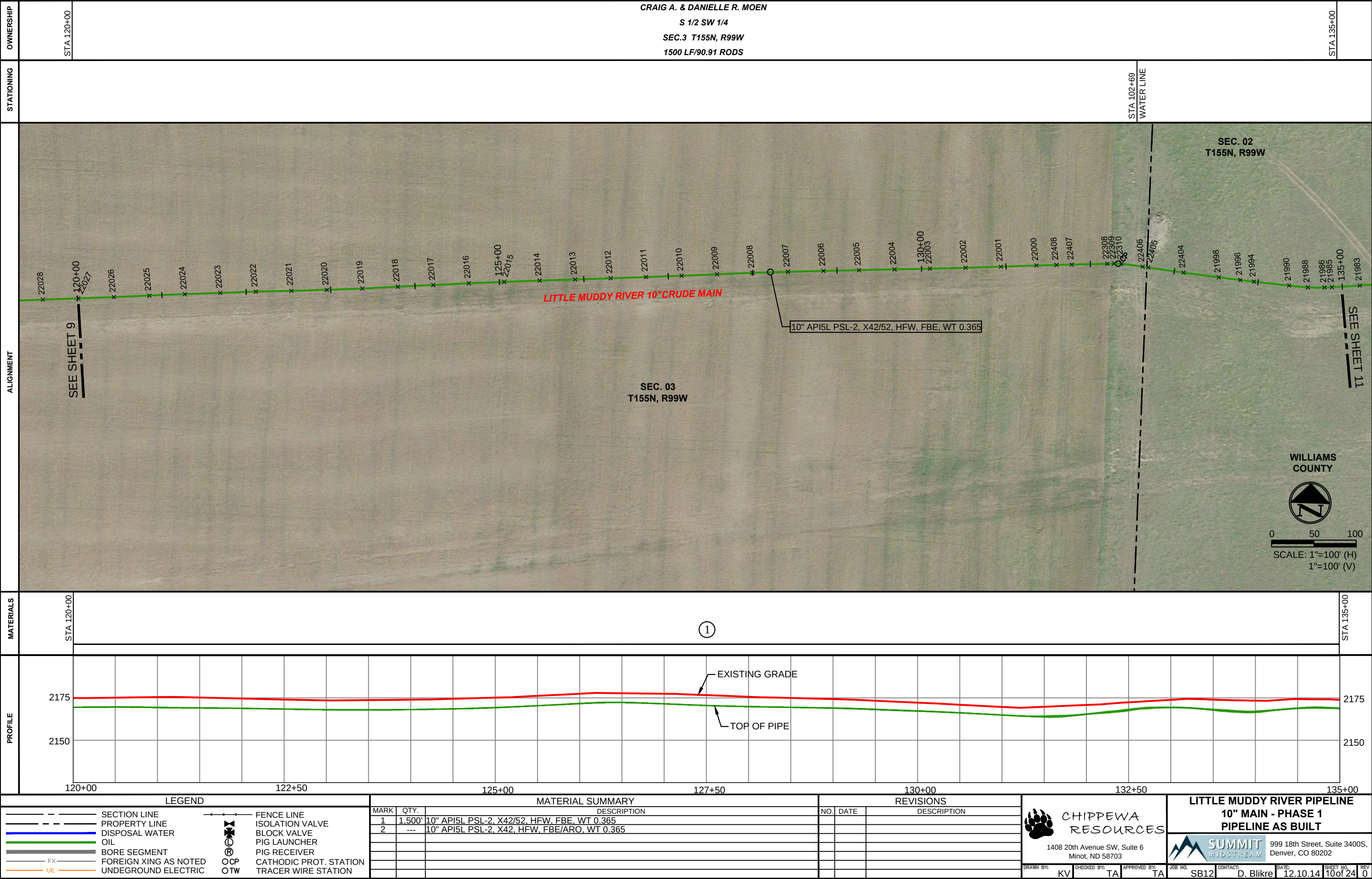
SUMMIT MIDSTREAM

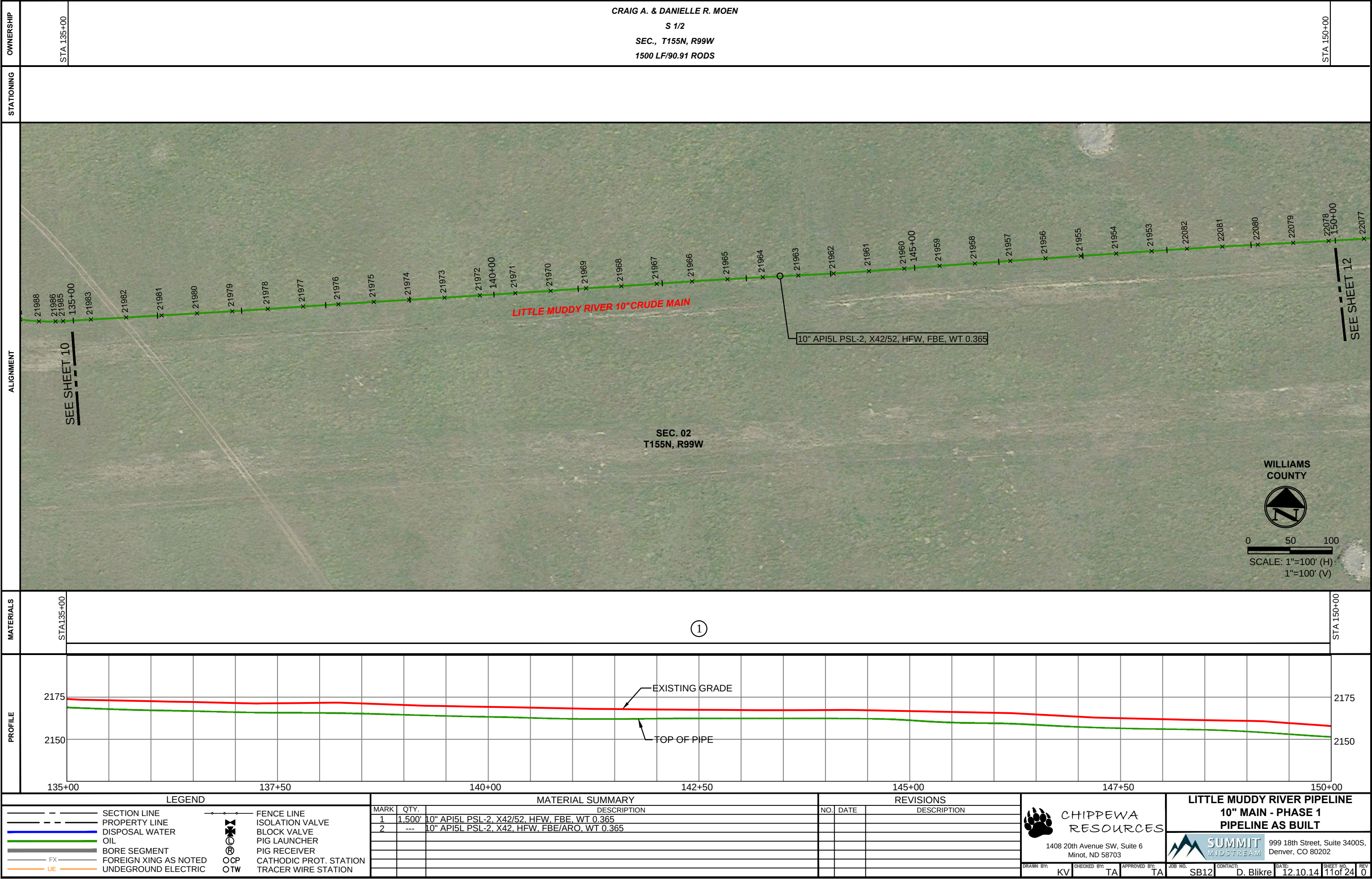
999 18th Street, Suite 3400S, Denver, CO 80202

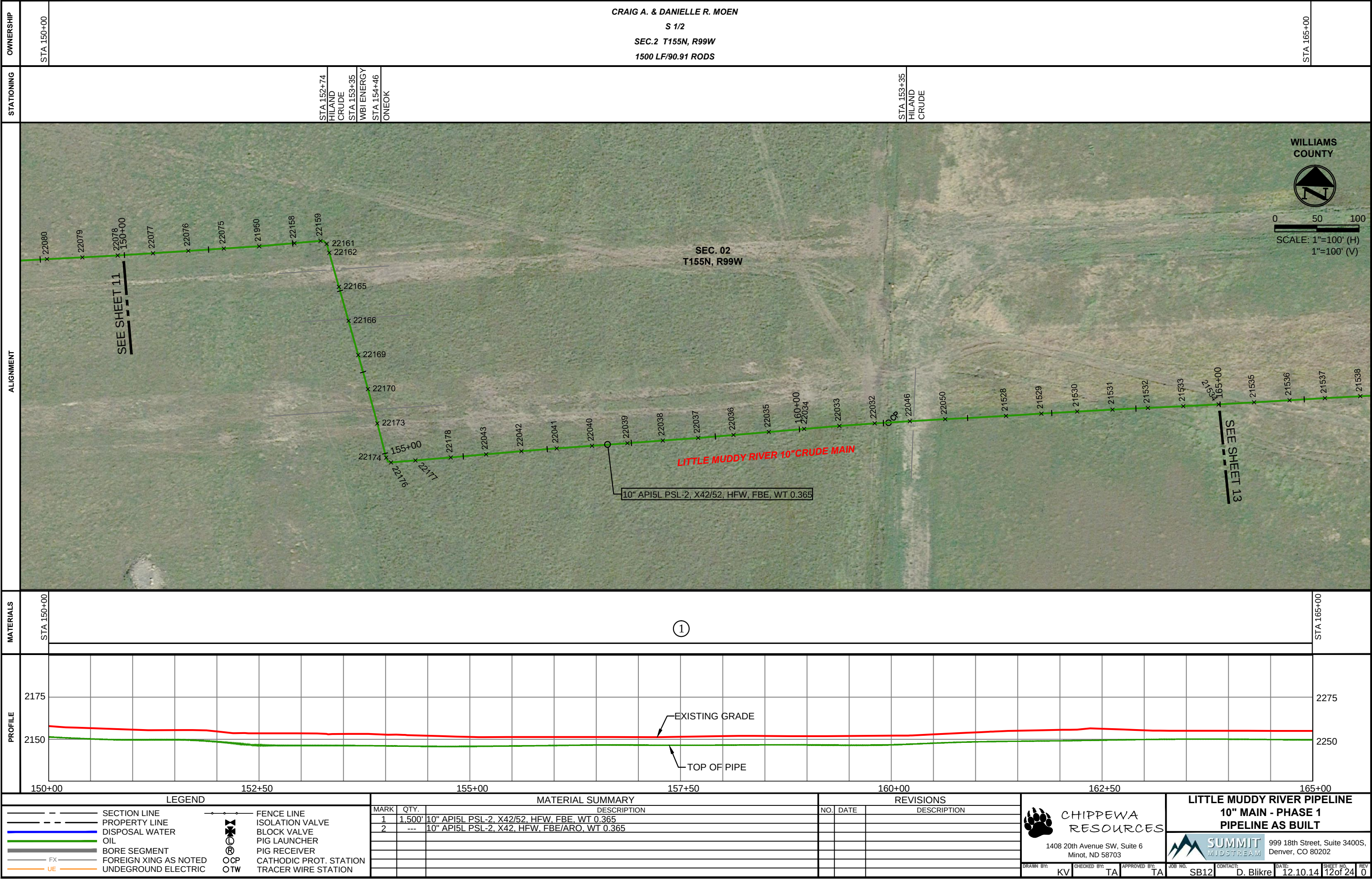
1408 20th Avenue SW, Suite 6 Minot, ND 58703

DRAWN BY: KV CHECKED BY: TA APPROVED BY: TA

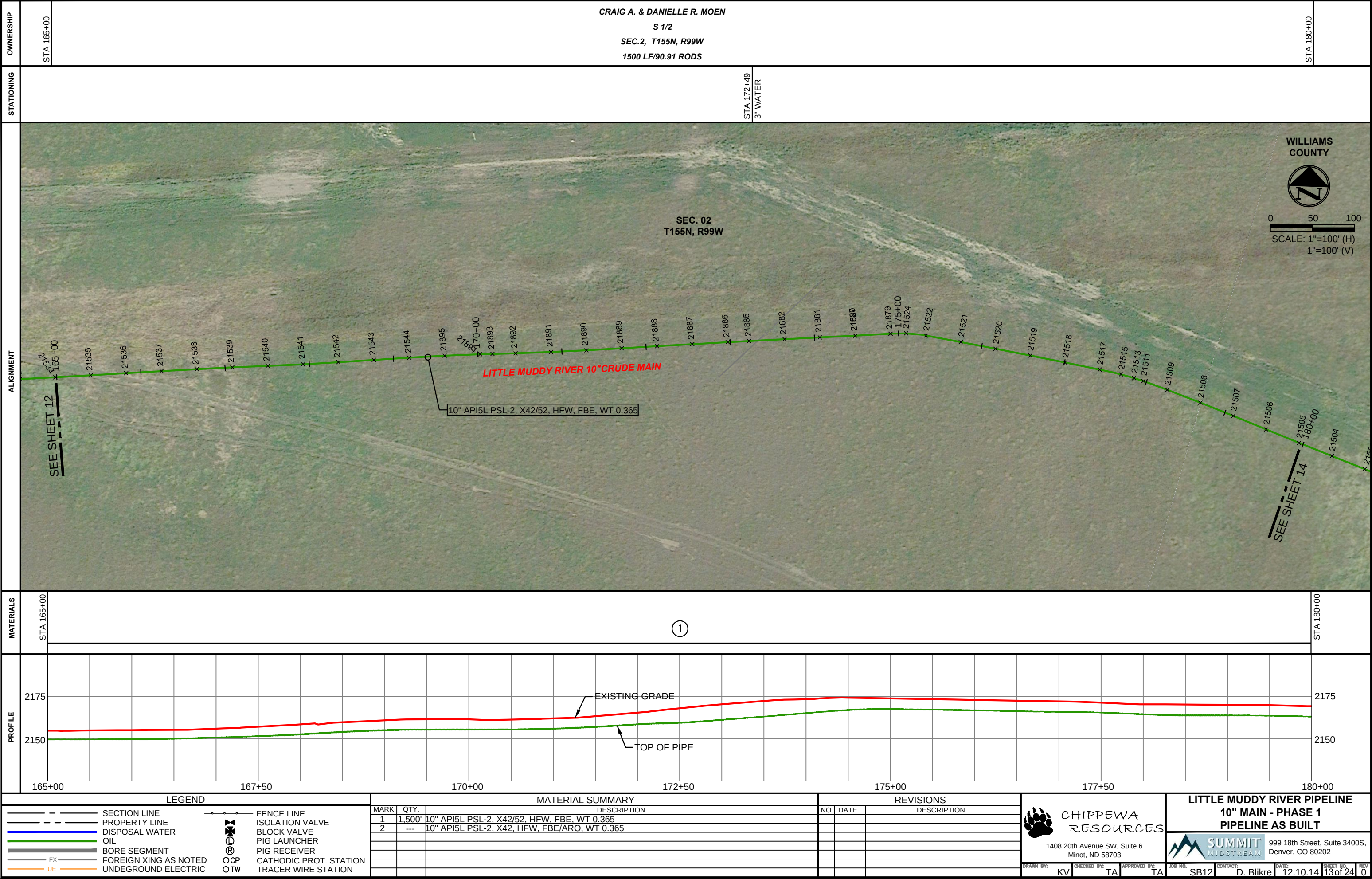
JOB NO. SB12 CONTACT: D. Blikre DATE: 12.10.14 SHEET NO. 9 OF 24 REV 0

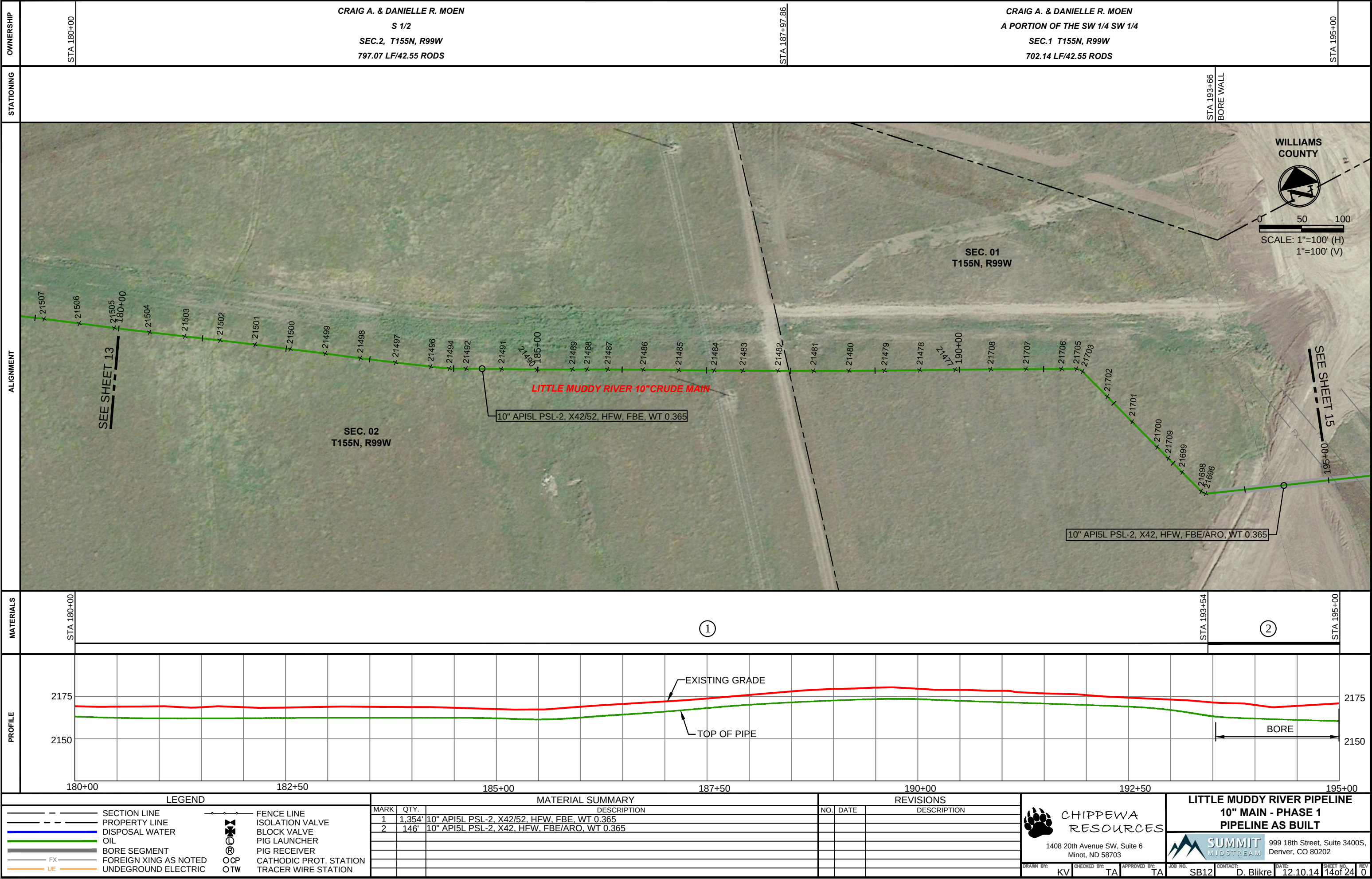


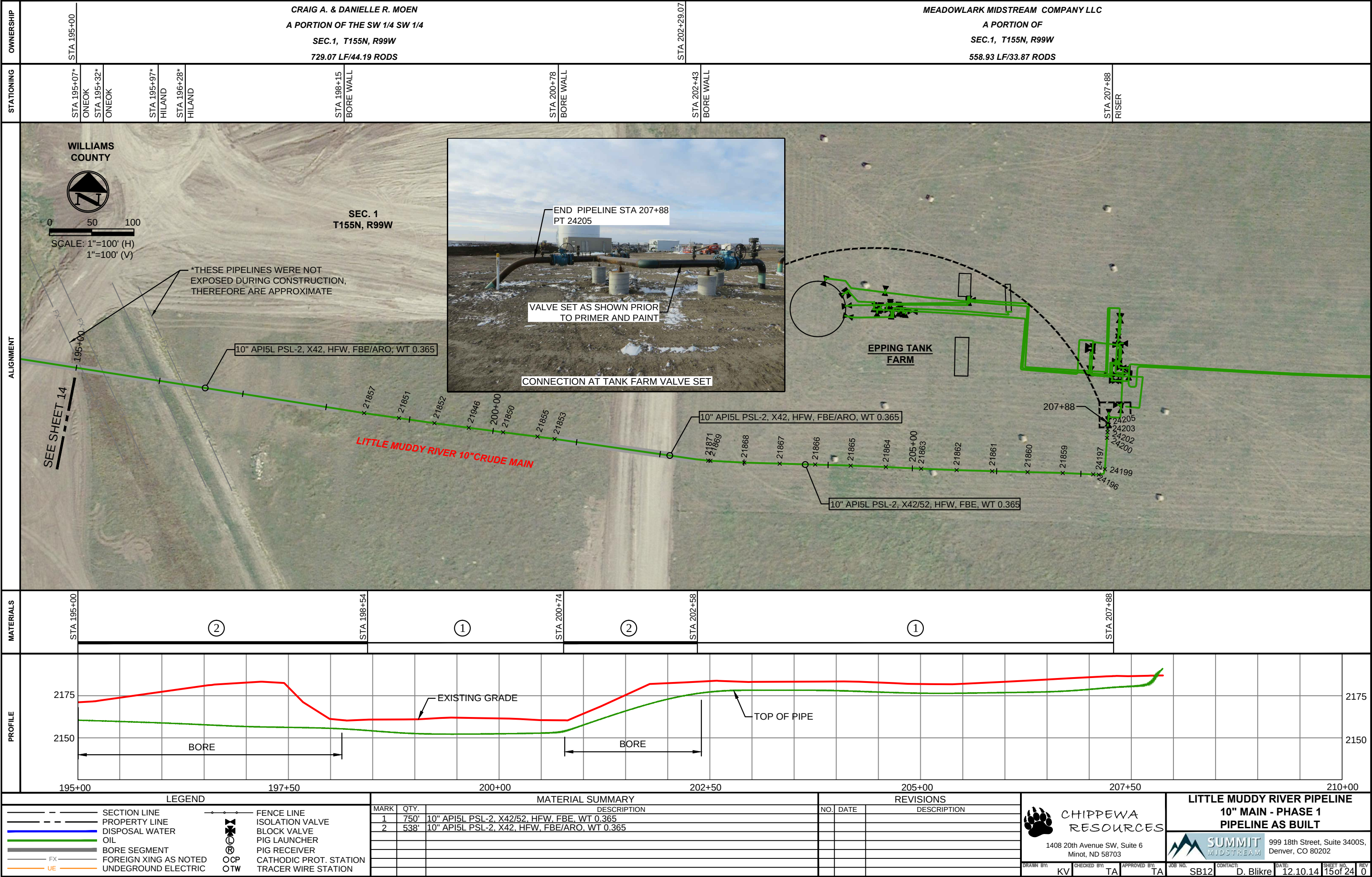




I:\CAD-GIS\PROJECT FOLDER\SUMMIT PROJECT FOLDERS\AutoCAD_As Builts\Polar Field\Laterals\Little Muddy Pipeline\10InMain_PH1\10InMain_PH1_PHMSA_1-15.dwg







PROJECT	LOCATION	CONTRACTOR	INSPECTION CO	PROJECT START DATE	PROJECT FINISH DATE	GPS FILE	GPS SHOT NO	WELD NO	DEPTH COVER	WPS	JOINT NO BACK	HEAT NO BACK	DATE VISUAL INSPECTION	VISUAL ACCEPTED	PIPE DIA.	LENGTH	CUTOFF	TOTAL PIPE	WALL THICKNESS	XRAY STATUS	COATING SURFACE PREP	WELD COATING	SHRINK SLEEVE /EPPED AND ACCEPTED DATE	PIPE COATING	COATING FINAL ACCEPTANCE	PIPE CONTENTS	PIPE SPEC.	SEAM TYPE	SMYS	PIPE TYPE	NOTES REMARKS	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	NONE	N/A	AG	N/A	NA	S/N - 1275513	N/A	N/A	10	1.9	0	1.9	N/A	N/A	N/A	N/A	N/A	N/A	DURAPLATE 235 EPOXY	N/A	CRUDE	N/A	N/A	N/A	CARBON SL	VALVE SET					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	25128	FLANGE	AG	API-4	10" BALL	EX293294	N/A	ACC	10	0.5	0	2.4	0.365	N/A	SSPC-SP3	N/A	N/A	N/A	DURAPLATE 235 EPOXY	N/A	CRUDE	B16.5	SMLS	Y52	CARBON SL	VALVE SET					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	NONE	LMF-7	AG	API-4	10" 600 FLANGE	S26518T	10/7/14	ACC	10	1.5	0	3.9	0.365	ACC	SSPC-SP3	N/A	N/A	N/A	DURAPLATE 235 EPOXY	N/A	CRUDE	B16.5	SMLS	Y52	CARBON SL	VALVE SET					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	NONE	LMF-8	AG	API-4	10" x 6" Tee	990767	10/7/14	ACC	10	1.5	0	5.4	0.365	ACC	SSPC-SP3	N/A	N/A	N/A	DURAPLATE 235 EPOXY	N/A	CRUDE	B16.5	SMLS	Y52	CARBON SL	VALVE SET					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	25157	LMF-9	AG	API-4	10" x 6" Tee	EX293294	10/7/14	ACC	10	0.5	0	5.9	0.365	ACC	SSPC-SP3	N/A	N/A	N/A	DURAPLATE 235 EPOXY	N/A	CRUDE	B16.5	SMLS	Y52	CARBON SL	VALVE SET					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	NONE	FLANGE	AG	API-4	10" 600 FLANGE	EX293294	N/A	ACC	10	0.5	0	6.4	0.365	N/A	SSPC-SP3	N/A	N/A	N/A	DURAPLATE 235 EPOXY	N/A	CRUDE	B16.5	SMLS	Y52	CARBON SL	VALVE SET					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	25156	LMF-2	AG	API-4	10" 600 FLANGE	55786	10/3/14	ACC	10	5.9	0	12.3	0.365	ACC	SSPC-SP3	N/A	N/A	N/A	DURAPLATE 235 EPOXY	N/A	CRUDE	SMLS	X42	CARBON SL	VALVE SET	482325.734	1257080.582	2134.19283	48.28525601	-103.4227446	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	25154	LMF-1N	AG	API-4	45° F HT	SQ94783	10/6/14	ACC	10	6	0	18.3	0.365	ACC	SSPC-SP3	N/A	N/A	N/A	FBE	N/A	CRUDE	5L-0554	HFW	X42 X52	CARBON SL	VALVE SET	482324.9932	1257086.352	2132.44774	48.28525458	-103.4227208
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24195	BLMT-98	AG	API-4	138	55786	10/11/14	ACC	10	7.9	0	26.2	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 10.13.14	FBE	ACCEPTED	CRUDE	SMLS	X42	CARBON SL	VALVE SET	482324.3365	1257091.083	2127.6561	48.28525328	-103.4227013		
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24193	BLMT-97	AG	API-4	45° F HT	2148340915	10/11/14	ACC	10	42.1	0	68.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.18.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	482323.5038	1257097.334	2125.17659	48.28525165	-103.4226755	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24192	BLMT-96	AG	API-4	317	2148340915	10/11/14	ACC	10	42.1	0	110.4	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 10.13.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	482319.8606	1257130.872	2126.55918	48.28524516	-103.4225373	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24191	BLM-250	AG	API-4	316	2110390915	9/15/14	ACC	10	42.1	0	152.5	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.18.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	482315.8471	1257172.758	2128.07536	48.28523852	-103.4223648	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24097	BLM-249	5.22	API-4	411	2110380915	9/15/14	ACC	10	42.1	0	194.6	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.18.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	482312.5332	1257214.681	2129.47601	48.28523338	-103.4221922	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24096	BLM-248	5.46	API-4	392	2110390915	9/15/14	ACC	10	42.1	0	236.7	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.18.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	482310.2717	1257256.669	2130.60381	48.28523197	-103.4220195	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24095	BLM-247	5.61	API-4	368	2110360915	9/15/14	ACC	10	42.1	0	278.8	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.18.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	482308.1742	1257297.109	2131.36166	48.28523043	-103.4218532	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24094	BLM-246	5.22	API-4	414	2148340915	9/15/14	ACC	10	42.1	0	320.9	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.18.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	482305.8822	1257339.086	2132.03423	48.28522852	-103.4216805	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23457	BLM-245	6.50	API-4	417	3110010915	9/15/14	ACC	10	42.1	0	363	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.18.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	482303.7737	1257381.178	2132.3389	48.28522712	-103.4215074	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23456	BLM-244	6.56	API-4	64	2110360915	9/15/14	ACC	10	42.1	0	405.1	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.18.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	482301.2225	1257423.086	2133.85947	48.28522449	-103.421335	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23455	BLMT-91	6.19	API-4	413	3113690915	9/24/14	ACC	10	42.1	0	447.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.25.14	FBE	ACCEPTED	CRUDE	5L-0554	HFW	X42 X52	CARBON SL	VALVE SET	482299.0697	1257465.066	2135.54359	48.28522296	-103.4211624	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23454	BLMT-90	5.91	API-4	28	5378670558	9/24/14	ACC	10	11.8	0	459	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.25.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE	HFW	X42	CARBON SL	VALVE SET	482296.775	1257507.052	2137.48063	48.28522104	-103.4209897		
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23452	BLMT-89	6.03	API-4	90° F HT	2152420915	9/24/14	ACC	10	6	0	465	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.25.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	482289.5977	1257513.702	2137.50313	48.28520207	-103.4209613	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23451	BLMT-88	6.39	API-4	4	SQ94783	9/24/14	ACC	10	42.1	4.4	502.7	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.25.14	FBE	ACCEPTED	CRUDE	5L-0554	HFW	X42 X52	CARBON SL	60TH ST BORE SEC.	482283.598	1257513.515	2137.13324	48.28518562	-103.4209611	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	BORE	BLMB-22	7.00	API-4	65	SQ94783	8/19/14	ACC	10	42.1	0	544.8	0.365	ACC	SSPC-SP3	CANUSAK-K-60/XWRAP	10000 Volts / 8.22.14	FBE/ARO	ACCEPTED	CRUDE	5L-0554	HFW	X42	CARBON SL	60TH ST BORE SEC.						
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	BORE	BLMB-23	11.00	API-4	19	SQ94783	8/19/14	ACC	10	42.1	0	586.9	0.365	ACC	SSPC-SP3	CANUSAK-K-60/XWRAP	10000 Volts / 8.22.14	FBE/ARO	ACCEPTED	CRUDE	5L-0554	HFW	X42	CARBON SL	60TH ST BORE SEC.						
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	BORE	BLMB-24	13.00	API-4	8	SQ94783	8/19/14	ACC	10	42.1	0	629	0.365	ACC	SSPC-SP3	CANUSAK-K-60/XWRAP	10000 Volts / 8.22.14	FBE/ARO	ACCEPTED	CRUDE	5L-0554	HFW	X42	CARBON SL	60TH ST BORE SEC.						
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	BORE	BLMB-25	13.00	API-4	18	SQ94783	8/19/14	ACC	10	42.1	0	671.1	0.365	ACC	SSPC-SP3	CANUSAK-K-60/XWRAP	10000 Volts / 8.22.14	FBE/ARO	ACCEPTED	CRUDE	5L-0554	HFW	X42	CARBON SL	60TH ST BORE SEC.						
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	BORE	BLMB-26	8.00	API-4	22	SQ94783	8/19/14	ACC	10	42.1	0	713.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60/XWRAP	10000 Volts / 8.22.14	FBE/ARO	ACCEPTED	CRUDE	5L-0554	HFW	X42	CARBON SL	60TH ST BORE SEC.						
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	BORE	BLMB-27	5.50	API-4	66	SQ94783	8/19/14	ACC	10	42.1	0	755.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60/XWRAP	10000 Volts / 8.22.14	FBE/ARO	ACCEPTED	CRUDE	5L-0554	HFW	X42	CARBON SL	60TH ST BORE SEC.						
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23387	BLMT-87	6.69	API-4	67	2152280915	9/24/14	ACC	10	42	35	762.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.25.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	481994.705	1257501.371	2137.92044	48.28439299	-103.420966	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23386	BLM-217	6.56	API-4	3	2152420915	8/19/14	ACC	10	42	6	798.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.22.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	481987.8964	1257500.974	2138.08691	48.2843743	-103.4209665	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23385	BLMT-86	5.97	API-4	4	2152450915	9/24/14	ACC	10	42	0	840.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.25.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	481951.8654	1257499.243	2138.89243	48.28427542	-103.420968	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23358	BLM-216	5.38	API-4	18	2152480915	8/19/14	ACC	10	42.1	0	882.4	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.22.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	481909.9133	1257497.157	2139.68752	48.28416028	-103.4209701	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23357	BLM-215	5.48	API-4	276	2152420915	8/19/14	ACC	10	42.1	0	924.5	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.22.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	VALVE SET	481867.8951	1257495.078	2139.48259	48.28404496	-103.420972	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/20																																

PROJECT	LOCATION	CONTRACTOR	INSPECTION CO	PROJECT START DATE	PROJECT FINISH DATE	GPS FILE	GPS SHOT NO	WELD NO	DEPTH COVER	WPS	JOINT NO BACK	HEAT NO BACK	DATE VISUAL INSPECTION	VISUAL ACCEPTED	PIPE DIA.	LENGTH	CUTOFF	TOTAL PIPE	WALL THICKNESS	XRAY STATUS	COATING SURFACE PREP	WELD COATING	SHRINK SLEEVE / EPPED AND ACCEPTED DATE	PIPE COATING	COATING FINAL ACCEPTANCE	PIPE CONTENTS	PIPE SPEC.	SEAM TYPE	SMYS	PIPE TYPE	NOTES REMARKS	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22827	BLM-187	5.16	API-4	40	2152420915	8/19/14	ACC	10	18.3	0	2223.8	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.22.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		481348.6027	1258311.07	2138.76086	48.28270725	-103.4175422
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22826	BLM-186	5.07	API-4	3	2152460915	8/19/14	ACC	10	42.1	0	2265.9	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.22.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		481347.9912	1258329.287	2138.65992	48.28270747	-103.4174673
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22825	BLM-185	5.08	API-4	35	2152280915	8/19/14	ACC	10	42	0	2307.9	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.22.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		481346.2932	1258371.367	2138.25367	48.28270719	-103.4172943
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23347	BLM-184	5.52	API-4	39	2152480915	8/19/14	ACC	10	42	0	2349.9	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.22.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		481344.9114	1258413.325	2138.19353	48.28270776	-103.4171219
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23346	BLMT-85	5.40	API-4	38	311120915	9/22/14	ACC	10	7	0	2356.9	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.24.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42	CARBON SL		481343.1401	1258453.306	2138.04745	48.28270706	-103.4169576
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23345	BLMT-84	5.23	API-4	6	5576870558	9/22/14	ACC	10	5	0	2361.9	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.24.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE	SMLS	X42	CARBON SL		481342.7371	1258460.294	2138.15318	48.28270678	-103.4169288	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23343	BLMT-83	5.26	API-4	37* FITT	2152280915	9/22/14	ACC	10	42	0.9	2403	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.24.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		481344.4675	1258464.925	2138.16738	48.2827119	-103.4169101
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23342	BLM-182	5.70	API-4	37	2152460915	8/19/14	ACC	10	32.1	0	2435.1	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.22.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		481365.7512	1258500.116	2138.30871	48.28277385	-103.416769
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23341	BLMT-82	5.93	API-4	34	2152460915	9/22/14	ACC	10	10.7	0	2445.8	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.24.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42	CARBON SL	TIE IN ON N.SIDE OF RR BORE	481381.9574	1258527.761	2138.50767	48.28282112	-103.416658
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23339	BLMT-81R	6.14	API-4	32	5576870558	9/22/14	ACC	10	9.2	0	2455	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.24.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE	SMLS	X42	CARBON SL		481387.3267	1258536.915	2138.55409	48.28283678	-103.4166213	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23337	BLMT-80	6.54	API-4	83* FITT	SQ94783	9/22/14	ACC	10	42.1	5	2492.1	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.24.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42	CARBON SL		481387.0323	1258545.088	2138.20357	48.28283682	-103.4165877
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	RR BORE	BLM-243	6.90	API-4	147	SQ94783	9/13/14	ACC	10	42.1	0	2534.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.13.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42	CARBON SL	RAIL ROAD BORE SEC.					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	RR BORE	BLM-242	7.70	API-4	68	SQ94783	9/13/14	ACC	10	42.1	0	2576.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.13.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42	CARBON SL	RAIL ROAD BORE SEC.					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	RR BORE	BLM-241	8.50	API-4	33	SQ94783	9/13/14	ACC	10	42.1	0	2618.4	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.13.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42	CARBON SL	RAIL ROAD BORE SEC.					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	RR BORE	BLM-240	11.75	API-4	61	SQ94783	9/13/14	ACC	10	42.1	0	2660.5	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.13.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42	CARBON SL	RAIL ROAD BORE SEC.					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	RR BORE	BLM-239	15.25	API-4	66	SQ94783	9/13/14	ACC	10	42.1	0	2702.6	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.13.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42	CARBON SL	RAIL ROAD BORE SEC.					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	RR BORE	BLM-238	11.75	API-4	67	2148340915	9/13/14	ACC	10	42.2	0	2744.8	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.13.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42	CARBON SL	RAIL ROAD BORE SEC.					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	RR BORE	BLM-237	8.50	API-4	241	2110400915	9/13/14	ACC	10	42.1	0	2786.9	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.13.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42	CARBON SL	RAIL ROAD BORE SEC.					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	RR BORE	ALM-151	7.70	API-4	244	2152470915	8/18/14	ACC	10	42	0	2828.9	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	RAIL ROAD BORE SEC.					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	RR BORE	BLMT-74	7.00	API-4	19	2152480915	9/22/14	ACC	10	42.1	2.3	2868.7	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.22.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	RAIL ROAD BORE SEC.					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23312	BLMT-79	5.56	API-4	72	A325299	9/22/14	ACC	10	16	0	2884.7	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.23.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		481086.9693	1258789.472	2128.93648	48.28204022	-103.415538
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	23311	BLMT-78	5.75	API-4	23	5578670558	9/22/14	ACC	10	8.1	0	2892.8	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.23.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE	SMLS	X42	CARBON SL	TIE IN ON S.SIDE OF RR BORE	481054.9475	1258816.872	2127.21861	48.28195535	-103.4154206	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22309	BLMT-77	5.35	API-4	45* FITT	3114340915	9/22/14	ACC	10	10.3	0	2903.1	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.23.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		47782.22484	1265214.275	2166.93856	48.27376265	-103.3886666
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22308	BLMT-76	5.07	API-4	110	3113010915	9/22/14	ACC	10	20.6	0	2923.7	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.23.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477822.7752	1265206.177	2166.47586	48.27376135	-103.3886998
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22307	BLMT-75	5.00	API-4	111	2152450915	9/22/14	ACC	10	42	0	2965.7	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.23.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477027.6408	1273249.196	2190.49239	48.27240543	-103.3555734
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22306	ALM-161	5.22	API-4	28	2152280915	8/18/14	ACC	10	42.1	0	3007.8	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477028.7423	1273248.16	2189.04093	48.27240834	-103.3555778
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22968	ALM-152	5.60	API-4	237	2152450915	8/18/14	ACC	10	42	0	3049.8	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		480933.6173	1258811.911	2126.7899	48.28162177	-103.4154221
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22967	ALM-153	5.89	API-4	10	2152450915	8/18/14	ACC	10	42.1	0	3091.9	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		480891.3638	1258809.999	2126.09372	48.28150653	-103.4154234
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22966	ALM-154	6.37	API-4	9	2152450915	8/18/14	ACC	10	42.1	0	3134	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		480849.4718	1258807.901	2124.33729	48.28139155	-103.4154255
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22965	ALM-155	6.47	API-4	11	2152480915	8/18/14	ACC	10	42.1	0	3176.1	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		480807.5088	1258805.944	2122.95887	48.2812764	-103.4154277
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22964	ALM-156	6.70	API-4	67	2152480915	8/18/14	ACC	10	42	0	3218.1	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		480765.5636	1258803.951	2122.36205	48.28116129	-103.4154286
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22962	1.5" SAG	6.58	N/A	134	2152480915	8/17/14	ACC	10	0	0	3218.1	0.365	ACC	N/A	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		480744.7371	1258803.126	2122.35978	48.28110416	-103.4154288
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22960	ALM-15																												

PROJECT	LOCATION	CONTRACTOR	INSPECTION CO	PROJECT START DATE	PROJECT FINISH DATE	GPS FILE	GPS SHOT NO	WELD NO	DEPTH COVER	WPS	JOINT NO BACK	HEAT NO BACK	DATE VISUAL INSPECTION	VISUAL ACCEPTED	PIPE DIA.	LENGTH	CUTOFF	TOTAL PIPE	WALL THICKNESS	XRAY STATUS	COATING SURFACE PREP	WELD COATING	SHRINK SLEEVE /EPPED AND ACCEPTED DATE	PIPE COATING	COATING FINAL ACCEPTANCE	PIPE CONTENTS	PIPE SPEC.	SEAM TYPE	SMYS	PIPE TYPE	NOTES REMARKS	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22577	BLM-149R	5.54	API-4	119	2152450915	8/18/14	ACC	10	42.1	0	4730.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479429.9695	1258934.684	2112.37188	48.27751625	-103.4146845
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22576	BLM-148	5.51	API-4	130	2152420915	8/18/14	ACC	10	42	0	4772.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479428.3709	1258976.698	2112.12091	48.27751623	-103.4145119
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22575	ALM-150	5.36	API-4	57	2152480915	8/18/14	ACC	10	42	0	4814.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479426.8345	1259018.686	2112.20534	48.27751637	-103.4143393
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22574	ALM-149	5.10	API-4	69	2152280915	8/18/14	ACC	10	42	0	4856.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479425.3693	1259060.67	2112.33541	48.27751671	-103.4141668
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22573	ALM-148	5.24	API-4	133	2152480915	8/18/14	ACC	10	42	0	4898.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479423.9492	1259102.624	2112.00697	48.27751718	-103.4139944
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22572	ALM-147	5.03	API-4	135	2152280915	8/18/14	ACC	10	42.1	0	4940.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479422.6195	1259144.664	2111.82915	48.27751789	-103.4138217
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22571	ALM-146R	5.06	API-4	134	2152280915	8/18/14	ACC	10	42	0	4982.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479421.1481	1259186.692	2111.42196	48.27751822	-103.413649
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22570	ALM-145	5.52	API-4	136	3114340915	8/18/14	ACC	10	42	0	5024.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479419.5291	1259228.566	2110.84485	48.27751813	-103.4134769
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22569	ALM-144	5.72	API-4	122	3109740915	8/18/14	ACC	10	42	0	5066.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479417.9554	1259270.582	2110.57606	48.27751818	-103.4133042
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22568	ALM-143	5.52	API-4	102	3113710915	8/18/14	ACC	10	42.1	0	5108.4	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479416.5077	1259312.613	2110.65627	48.27751857	-103.4131315
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22567	ALM-142	5.16	API-4	103	3113710915	8/18/14	ACC	10	42	0	5150.4	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479415.1511	1259354.594	2110.83565	48.2775192	-103.412959
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22566	ALM-141	5.01	API-4	104	3108410915	8/18/14	ACC	10	42.1	0	5192.5	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479413.6008	1259396.648	2110.84432	48.27751932	-103.4127862
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22565	ALM-140	5.41	API-4	97	3113100915	8/18/14	ACC	10	42	0	5234.5	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479412.0895	1259438.654	2110.44033	48.27751953	-103.4126136
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22564	ALM-139	5.58	API-4	98	3113100915	8/18/14	ACC	10	42	0	5276.5	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479410.7209	1259480.677	2110.26962	48.27752014	-103.4124409
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22563	ALM-138	5.74	API-4	99	3113010915	8/18/14	ACC	10	42.1	0	5318.6	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479409.4118	1259522.662	2110.20113	48.27752091	-103.4122684
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22562	ALM-137	5.69	API-4	100	3109610915	8/18/14	ACC	10	42	0	5360.6	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479408.0494	1259564.66	2110.36459	48.27752153	-103.4120958
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22561	ALM-136	6.03	API-4	31	3111020915	8/18/14	ACC	10	42	0	5402.6	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479406.3536	1259606.751	2110.21852	48.27752125	-103.4119228
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22560	ALM-135	5.74	API-4	159	3113090915	8/18/14	ACC	10	42.1	0	5444.7	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479404.4565	1259648.763	2110.80997	48.2775204	-103.4117501
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22559	ALM-134	5.30	API-4	160	3113180915	8/18/14	ACC	10	42.1	0	5486.8	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479402.5513	1259690.774	2111.55394	48.27751954	-103.4115774
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22558	ALM-133	5.24	API-4	161	3113090915	8/18/14	ACC	10	42.1	0	5528.9	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479401.0721	1259732.775	2111.72782	48.27751984	-103.4114048
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22557	ALM-132	5.57	API-4	167	3111020915	8/18/14	ACC	10	42.1	0	5571	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479400.0004	1259774.847	2111.48884	48.27752126	-103.411232
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22556	ALM-131	5.42	API-4	141	3113010915	8/18/14	ACC	10	42.1	0	5613.1	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479398.7987	1259816.826	2111.45887	48.27752232	-103.4110596
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22811	ALM-130	5.17	API-4	69	3113040915	8/18/14	ACC	10	42.1	0	5655.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479397.6454	1259858.822	2111.94863	48.27752351	-103.410887
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22810	BLMT-64	5.22	API-4	161	2152480915	9/16/14	ACC	10	42.1	0	5697.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.16.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479396.5956	1259901.008	2111.81559	48.27752501	-103.4107137
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22809	BLMT-63	5.04	API-4	72	5578670588	9/16/14	ACC	10	11.8	0	5709.1	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.16.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE		SMLS	X42	CARBON SL	PI STA 145+69	479395.8054	1259926.809	2111.4501	48.27752552	-103.4106077
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22807	BLMT-62	5.39	API-4	90° FITT	3108860915	9/16/14	ACC	10	7.6	0	5716.7	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.16.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479388.722	1259933.579	2111.72203	48.27750681	-103.4105789
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22806	BLMT-61	5.17	API-4	96	3113630915	9/16/14	ACC	10	42	0	5758.7	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.16.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479381.2144	1259933.22	2112.1505	48.27748621	-103.4105792
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22754	BLM-147	5.49	API-4	154	3109620915	8/18/14	ACC	10	42	0	5800.7	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479342.5909	1259931.429	2113.89612	48.27738022	-103.4105805
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22753	BLM-146	5.05	API-4	32	2152460915	8/18/14	ACC	10	42.1	0	5842.8	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479300.6196	1259929.319	2114.48602	48.27726503	-103.4105827
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22752	BLM-145	5.22	API-4	113	2152450915	8/18/14	ACC	10	42	0	5884.8	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		479258.7225	1259927.366	2114.96434	48.27715006	-103.4105842
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22751	BLMT-60	5.54	API-4	131	3109610915	9/15/14	ACC	10	42.1	0	5926.9	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.15.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X							

PROJECT	LOCATION	CONTRACTOR	INSPECTION CO	PROJECT START DATE	PROJECT FINISH DATE	GPS FILE	GPS SHOT NO	WELD NO	DEPTH COVER	WPS	JOINT NO BACK	HEAT NO BACK	DATE VISUAL INSPECTION	VISUAL ACCEPTED	PIPE DIA.	LENGTH	CUTOFF	TOTAL PIPE	WALL THICKNESS	XRAY STATUS	COATING SURFACE PREP	WELD COATING	SHRINK SLEEVE /EPPED AND ACCEPTED DATE	PIPE COATING	COATING FINAL ACCEPTANCE	PIPE CONTENTS	PIPE SPEC.	SEAM TYPE	SMYS	PIPE TYPE	NOTES REMARKS	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22707	BLMT-51	5.01	API-4	22" FITT	3114340915	9/15/14	ACC	10	42	15.3	7347	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.15.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477851.3751	1259758.042	2140.81711	48.27327734	-103.4110606
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22706	BLMT-50	5.36	API-4	136	3108860915	9/15/14	ACC	10	42	0	7389	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.15.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477825.3925	1259763.668	2141.14158	48.27320675	-103.4110335
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22705	ALM-117	5.35	API-4	108	3112770915	8/15/14	ACC	10	42.1	0	7431.1	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477784.168	1259771.969	2140.66709	48.27309468	-103.4100993
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22696	ALM-116	5.86	API-4	107	2152450915	8/15/14	ACC	10	42	1.4	7471.7	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477742.9772	1259780.213	2140.09878	48.2729827	-103.4109528
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24336	BLMT-111	6.20	API-4	176	SQ94783	10/17/14	ACC	10	42.1	0	7513.8	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 10.17.14	FBE	ACCEPTED	CRUDE	5L-0554	HFW	X42	CARBON SL	REPLACED RUPTURED PIPE	477703.217	1259787.77	2139.75407	48.27287457	-103.4109156
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24335	BLMT-110	5.81	API-4	188	2152460915	10/17/14	ACC	10	7.6	0	7521.4	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 10.17.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	REPLACED RUPTURED PIPE	477661.2279	1259795.329	2139.85548	48.27276184	-103.4108782
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24334	BLMT-109	5.66	API-4	215	3113030915	10/17/14	ACC	10	42	6.1	7557.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 10.17.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	REPLACED RUPTURED PIPE	477654.2845	1259796.683	2139.95176	48.27274145	-103.4108714
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22632	5" SBR	5.38	N/A	101	3113030915	8/16/14	ACC	10	0	0	7557.3	0.365	N/A	N/A	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477633.9557	1259800.467	2139.80407	48.27268615	-103.4108528
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22630	ALM-114	5.25	API-4	101	3112770915	8/15/14	ACC	10	42	0	7599.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477619.235	1259804.204	2139.8627	48.27264622	-103.4108351
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22629	ALM-113	5.50	API-4	42	3109620915	8/15/14	ACC	10	42.1	0	7641.4	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477578.7008	1259815.376	2139.44785	48.27253634	-103.4107883
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22628	ALM-112	5.45	API-4	117	2152280915	8/15/14	ACC	10	42	0	7683.4	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477538.1356	1259826.307	2139.2794	48.27242635	-103.4107318
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22627	ALM-111	5.51	API-4	148	3113090915	8/15/14	ACC	10	42.1	0	7725.5	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477497.5778	1259837.154	2139.01335	48.27231637	-103.410681
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22626	ALM-110	5.72	API-4	41	3109620915	8/15/14	ACC	10	42	0	7767.5	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477456.904	1259847.752	2138.78868	48.27220605	-103.4106312
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22625	ALM-109	5.43	API-4	116	3109740915	8/15/14	ACC	10	42.1	0	7809.6	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477416.1094	1259858.028	2139.20397	48.27209537	-103.4105827
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22624	BLMT-46	5.03	API-4	112	3114340915	9/13/14	ACC	10	42	12.1	7839.5	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.14.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477375.2504	1259868.194	2139.71177	48.27198449	-103.4105347
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22623	BLMT-45	5.08	API-4	110	5578670558	9/13/14	ACC	10	8.3	0	7847.8	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.14.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE		SMLS	X42	CARBON SL		477346.2336	1259875.251	2139.46019	48.27190574	-103.4105012
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22621	BLMT-44	5.12	API-4	73" FITT	3113010915	9/13/14	ACC	10	42	20.7	7869.1	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.14.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	PI STA 124+72	477342.3352	1259881.845	2139.47358	48.27189574	-103.4104736
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22620	BLMT-43	5.38	API-4	111	3108860915	9/13/14	ACC	10	42.1	0	7911.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.14.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477341.0566	1259903.133	2139.47403	48.27189444	-103.410386
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22619	ALM-107	5.56	API-4	44	3114340915	8/15/14	ACC	10	42	0	7953.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477338.3083	1259945.072	2139.73203	48.27189126	-103.4102135
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22618	ALM-108	5.43	API-4	143	3113630915	8/15/14	ACC	10	42	0	7995.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477334.8115	1259987.018	2140.65079	48.27188603	-103.4100408
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22617	BLMT-42	5.16	API-4	109	5578670558	9/13/14	ACC	10	5.5	0	8000.7	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.14.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE		SMLS	X42	CARBON SL	PI STA 123+22	477330.1517	1260028.732	2141.54227	48.2718776	-103.409869
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22615	BLMT-41	5.07	API-4	39" FITT	2152460915	9/13/14	ACC	10	7.5	0	8008.2	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.14.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477328.2862	1260033.641	2141.60681	48.27187298	-103.4098485
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22614	BLMT-40	5.13	API-4	145	3109730915	9/13/14	ACC	10	42	0	8050.2	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.14.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477322.8447	1260038.856	2141.37449	48.27185861	-103.4098263
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22613	BLM-130	5.07	API-4	43	3113090915	8/15/14	ACC	10	42.1	0	8092.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477292.0083	1260067.386	2140.5676	48.2717771	-103.4097044
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22612	BLM-129	5.05	API-4	40	3114340915	8/15/14	ACC	10	42	0	8134.3	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477260.5976	1260095.413	2140.51303	48.27169396	-103.4095845
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22611	BLMT-39	5.95	API-4	39	5578670558	9/13/14	ACC	10	4.2	0	8138.5	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.14.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE		SMLS	X42	CARBON SL	PI STA 121+71	477228.8615	1260123.097	2139.8161	48.27160989	-103.409466
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22609	BLMT-38	5.96	API-4	26" FITT	3113720915	9/13/14	ACC	10	42.1	0	8180.6	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.14.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477226.1521	1260126.076	2139.66072	48.27160278	-103.4094534
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22608	BLM-128R	5.40	API-4	138	3113500915	8/15/14	ACC	10	42.1	0	8222.7	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477210.1285	1260164.964	2137.6337	48.27156291	-103.4092913
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22607	BLMT-35	5.36	API-4	37	CX010870558	9/12/14	ACC	10	6.75	0	8229.45	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	10000 Volts / 9.13.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE		SMLS	X42	CARBON SL	PI STA 120+76	477194.3104	1260203.674	2133.90518	48.27152359	-103.40913
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22605	BLMT-34	5.48	API-4	30" FITT	3111020915	9/12/14	ACC	10	42.1	8.1	8263.45	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	10000 Volts / 9.13.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477193.5968	1260210.191	2133.2876	48.27152231	-103.4091032
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22604	BLMT-31	5.90	API-4	6	3112770915	9/11/14	ACC	10	42.1	0	8305.55	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	10000 Volts / 9.12.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477198.3938				

PROJECT	LOCATION	CONTRACTOR	INSPECTION CO	PROJECT START DATE	PROJECT FINISH DATE	GPS FILE	GPS SHOT NO	WELD NO	DEPTH COVER	WPS	JOINT NO BACK	HEAT NO BACK	DATE VISUAL INSPECTION	VISUAL ACCEPTED	PIPE DIA.	LENGTH	CUTOFF	TOTAL PIPE	WALL THICKNESS	XRAY STATUS	COATING SURFACE PREP	WELD COATING	SHRINK SLEEVE / EEPDED AND ACCEPTED DATE	PIPE COATING	COATING FINAL ACCEPTANCE	PIPE CONTENTS	PIPE SPEC.	SEAM TYPE	SMYS	PIPE TYPE	NOTES REMARKS	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22379	4.7" OB	5.59	N/A	216	2152470915	8/16/14	ACC	10	0	0	9725.35	0.365	N/A	N/A	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477417.5824	1261662.57	2158.07908	48.27228611	-103.4031783
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22377	ALM-103	6.10	API-4	216	2110400915	8/15/14	ACC	10	42.1	0	9767.45	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477421.0454	1261683.137	2156.51386	48.27229772	-103.4030944
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22376	ALM-102	6.12	API-4	280	2152460915	8/15/14	ACC	10	42.1	0	9809.55	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477427.6754	1261724.632	2153.96154	48.27232017	-103.4029252
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22463	2.7" SAG	5.77	N/A	185	2152460915	8/15/14	ACC	10	0	0	9809.55	0.365	N/A	N/A	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477431.008	1261745.337	2153.05	48.27233144	-103.4028407
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22375	ALM-101	5.47	API-4	185	2152460915	8/15/14	ACC	10	42.1	0	9851.65	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477434.3408	1261766.042	2152.1408	48.27234271	-103.4027563
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22374	ALM-100	5.93	API-4	86	2152280915	8/15/14	ACC	10	42	0	9893.65	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477441.089	1261807.45	2150.37115	48.27236548	-103.4025874
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22371	ALM-99	5.88	API-4	169	2152420915	8/15/14	ACC	10	42.1	0	9935.75	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477447.8793	1261849.025	2149.10451	48.27238837	-103.4024179
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22370	ALM-98	5.82	API-4	55	2110400915	8/15/14	ACC	10	42.1	0	9977.85	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477454.7895	1261890.429	2148.71548	48.27241158	-103.402249
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22369	ALM-97	5.96	API-4	227	2152460915	8/15/14	ACC	10	42.1	0	10019.95	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477462.2011	1261931.837	2148.55099	48.27243616	-103.4020803
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22368	ALM-96R	5.98	API-4	247	2110400915	8/15/14	ACC	10	42.1	0	10062.05	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	PI STA 102+88	477469.378	1261973.342	2148.63514	48.27246011	-103.4019111
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22366	12" SBRT	5.84	N/A	237	2110400915	8/16/14	ACC	10	0	0	10062.05	0.365	N/A	N/A	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477473.488	1261993.891	2148.9473	48.27247349	-103.4018274
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22364	ALM-95	5.49	API-4	237	2152460915	8/15/14	ACC	10	42	0	10104.05	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477480.2747	1262013.749	2149.4833	48.27249413	-103.4017469
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22363	ALM-94	5.80	API-4	192	2152460915	8/15/14	ACC	10	42.1	0	10146.15	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477494.9899	1262053.115	2149.49718	48.2725385	-103.4015877
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22361	3.8" SBRT	5.96	N/A	170	2152460915	8/15/14	ACC	10	0	0	10146.15	0.365	N/A	N/A	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477503.0032	1262072.635	2149.10488	48.27256247	-103.4015088
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22359	ALM-93	5.78	API-4	170	2152280915	8/15/14	ACC	10	42.1	0	10188.25	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477511.4812	1262091.875	2148.80564	48.27258768	-103.4014312
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22358	ALM-92	6.01	API-4	217	2152420915	8/15/14	ACC	10	42.1	0	10230.35	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477528.2653	1262130.432	2148.22401	48.27263764	-103.4012756
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22357	ALM-91	6.35	API-4	4	2152460915	8/15/14	ACC	10	42.1	0	10272.45	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477544.9118	1262169.007	2147.49219	48.27268723	-103.4011199
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22356	ALM-90	6.66	API-4	214	2152420915	8/15/14	ACC	10	42	0	10314.45	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477561.4941	1262207.661	2146.75545	48.27273664	-103.4009638
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22355	ALM-89	7.55	API-4	191	2152450915	8/15/14	ACC	10	42	0	10356.45	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477578.4195	1262246.123	2145.44379	48.27278698	-103.4008086
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22354	ALM-88	7.42	API-4	75	2152280915	8/15/14	ACC	10	42.1	0	10398.55	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477595.351	1262284.507	2146.36	48.27283732	-103.4006537
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22351	ALM-87	7.27	API-4	299	2152280915	8/15/14	ACC	10	42	0	10440.55	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477612.2817	1262332.891	2147.28383	48.27288766	-103.4004988
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22350	BLM-105	6.30	API-4	5	2152470915	8/15/14	ACC	10	42	0	10482.55	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477629.0574	1262361.306	2149.36255	48.27293758	-103.4003438
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22349	BLM-104	5.79	API-4	3	2152460915	8/15/14	ACC	10	42	0	10524.55	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477645.8931	1262399.698	2151.16636	48.27298767	-103.4001888
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22348	BLM-103	5.22	API-4	285	2152480915	8/15/14	ACC	10	42.1	0	10566.65	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477662.9007	1262438.106	2152.93106	48.27303822	-103.4000339
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22347	BLM-102	5.33	API-4	263	2152450915	8/15/14	ACC	10	42	0	10608.65	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477680.9937	1262476.472	2153.66692	48.27308928	-103.3998791
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22346	BLM-101	5.82	API-4	187	2152470915	8/15/14	ACC	10	42	0	10650.65	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477697.1725	1262514.785	2152.57436	48.27314002	-103.3997245
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22402	BLM-100	6.11	API-4	215	2152280915	8/15/14	ACC	10	42	2.4	10690.25	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477714.3738	1262553.12	2152.00643	48.27319109	-103.3995699
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22401	BLMT-26	5.73	API-4	194	CX010870558	9/11/14	ACC	10	4	0	10694.25	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.12.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE	SMLS	X42	CARBON SL		477730.9586	1262589.47	2153.25695	48.27323859	-103.3994232	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22399	BLMT-27	5.75	API-4	24° FITT	2148340915	9/11/14	ACC	10	42.1	4.8	10731.55	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.12.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477730.9586	1262593.41	2153.28379	48.27324068	-103.3994071
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22398	BLM-253	5.35	API-4	117	2152280915	9/11/14	ACC	10	42	0	10773.55	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.12.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	PI STA 96+26	477732.5623	1262630.742	2153.17441	48.27324893	-103.3992542
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22343	BLM-99	5.52	API-4	264	3111020915	8/15/14	ACC	10	42.1	0	10815.65	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477734.3681	1262672.581	2153.56751	48.27325825	-103.39

PROJECT	LOCATION	CONTRACTOR	INSPECTION CO	PROJECT START DATE	PROJECT FINISH DATE	GPS FILE	GPS SHOT NO	WELD NO	DEPTH COVER	WPS	JOINT NO BACK	HEAT NO BACK	DATE VISUAL INSPECTION	VISUAL ACCEPTED	PIPE DIA.	LENGTH	CUTOFF	TOTAL PIPE	WALL THICKNESS	XRAY STATUS	COATING SURFACE PREP	WELD COATING	SHRINK SLEEVE / EPPED AND ACCEPTED DATE	PIPE COATING	COATING FINAL ACCEPTANCE	PIPE CONTENTS	PIPE SPEC.	SEAM TYPE	SMYS	PIPE TYPE	NOTES REMARKS	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22021	BLM-84R	5.61	API-4	282	3113100915	8/15/14	ACC	10	42.1	0	12386.35	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477790.7297	1264240.21	2168.42318	48.27357147	-103.3926587
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22020	BLM-83	5.59	API-4	250	3110140915	8/15/14	ACC	10	42	0	12428.35	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477791.9144	1264282.173	2167.99108	48.27358174	-103.3924867
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22019	BLM-82	5.95	API-4	192	3114340915	8/15/14	ACC	10	42	0	12470.35	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477793.5047	1264324.23	2167.70961	48.27359042	-103.3923144
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22018	BLM-81	5.95	API-4	226	3114340915	8/15/14	ACC	10	42	0	12512.35	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477795.6004	1264366.255	2167.93084	48.27360049	-103.3921422
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22017	BLM-80	5.91	API-4	225	3112770915	8/15/14	ACC	10	42	0	12554.35	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477797.6663	1264408.189	2168.18827	48.27361047	-103.3919705
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22016	BLM-79	6.06	API-4	197	3113720915	8/15/14	ACC	10	42	0	12596.35	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477799.7085	1264450.204	2168.64512	48.27362039	-103.3917984
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22015	BLM-78	5.91	API-4	264	3109730915	8/15/14	ACC	10	42.1	0	12638.45	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477801.3749	1264492.199	2169.34225	48.27362927	-103.3916263
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22014	BLM-77	5.76	API-4	249	3113100915	8/15/14	ACC	10	42	0	12680.45	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477802.8879	1264534.185	2170.4175	48.27363774	-103.3914543
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22013	BLM-76	5.83	API-4	248	3113630915	8/15/14	ACC	10	42.1	0	12722.55	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477804.1982	1264576.235	2171.39056	48.27364566	-103.3912819
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22012	BLM-75	5.26	API-4	246	3114340915	8/15/14	ACC	10	42	0	12764.55	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477805.659	1264618.229	2172.61896	48.27365398	-103.3911098
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22011	BLM-74	5.48	API-4	266	3113100915	8/15/14	ACC	10	42.1	0	12806.65	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477807.1631	1264660.164	2172.14049	48.27366241	-103.3909938
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22010	BLM-73	6.34	API-4	79	3113720915	8/15/14	ACC	10	42	0	12848.65	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477808.6266	1264702.27	2171.00547	48.27367076	-103.3907654
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22009	BLM-72	6.24	API-4	218	3113010915	8/15/14	ACC	10	42.1	0	12890.75	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477810.3521	1264744.237	2170.28106	48.27367983	-103.3905935
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22008	BLM-71	5.82	API-4	67	3111920915	8/15/14	ACC	10	42	0	12932.75	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477812.1652	1264786.215	2169.86819	48.27368898	-103.3904215
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22007	ALM-66	5.52	API-4	27	3109610915	8/15/14	ACC	10	42.1	0	12974.85	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477813.4033	1264828.226	2169.59192	48.2736968	-103.3902493
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22006	ALM-65	5.38	API-4	8	2152480915	8/15/14	ACC	10	42.1	0	13016.95	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477814.3792	1264870.323	2169.18949	48.2737038	-103.3900767
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22005	ALM-64-R1	5.19	API-4	288	2152280915	8/15/14	ACC	10	42.1	0	13059.05	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477815.3186	1264912.358	2168.74812	48.2737107	-103.3899043
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22004	ALM-63	5.16	API-4	290	2148340915	8/15/14	ACC	10	42.2	0	13101.25	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477816.1534	1264954.318	2167.81994	48.2737173	-103.3897323
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22003	ALM-62	5.35	API-4	226	2152280915	8/15/14	ACC	10	41.9	0	13143.15	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477817.0722	1264996.377	2167.1706	48.27372415	-103.3895598
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22002	ALM-61	5.55	API-4	6	2152470915	8/15/14	ACC	10	42	0	13185.15	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477818.1152	1265038.464	2166.44282	48.27373133	-103.3893873
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22001	ALM-60	5.00	API-4	210	2152280915	8/15/14	ACC	10	42.1	0	13227.25	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477819.3297	1265080.33	2164.86221	48.27373897	-103.3892157
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22000	ALM-59	5.61	API-4	208	2152470915	8/15/14	ACC	10	42.1	0	13269.35	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477820.7868	1265122.27	2163.88717	48.27374727	-103.3890438
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22408	5-5" SAG	6.57	N/A	118	2152470915	8/13/14	ACC	10	0	0	13269.35	0.365	N/A	N/A	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477821.3941	1265146.145	2163.43522	48.27375139	-103.3889459
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22407	BLMT-25	6.16	API-4	118	2152480915	9/10/14	ACC	10	40	0	13309.35	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.10.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477821.857	1265164.177	2164.22977	48.27375451	-103.3888772
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22308	BLM-235	5.53	API-4	8	2152460915	9/10/14	ACC	10	42.1	0	13351.45	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.10.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	FENCE LINE	477822.7752	1265206.177	2166.47586	48.27376135	-103.3886998
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22310	11.8" SBLT	5.25	N/A	7	2152460915	9/8/14	ACC	10	0	0	13351.45	0.365	N/A	N/A	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	PI STA 70+04	477822.6916	1265223.013	2167.46652	48.27376285	-103.3886307
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22406	BLM-234	5.45	API-4	7	2152420915	9/10/14	ACC	10	7	0	13358.45	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.10.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477819.3713	1265247.965	2168.73713	48.27375632	-103.3885278
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22405	BLMT-24	5.75	API-4	204	2152450915	9/10/14	ACC	10	42.1	0	13400.55	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.11.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477818.3703	1265254.854	2169.05263	48.27375431	-103.3884994
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22404	ALM-58-R1	5.22	API-4	224	2152420915	8/15/14	ACC	10	42.1	0	13442.65	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477812.3863	1265296.502	2169.7879	48.27374217	-103.3883275
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21998	ALM-57	6.12	API-4	53	2152460915	8/15/14	ACC	10	42	0	13484.65	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477806.7577	1265338.206	2167.85352	48.27373104	-103.3881555
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21996	2.7" SAG	7.17	N/A	164	2152460915	8/13/14	ACC	10	0	0	13484.65	0.365	N/A	N/A	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477803.559	12			

PROJECT	LOCATION	CONTRACTOR	INSPECTION CO	PROJECT START DATE	PROJECT FINISH DATE	GPS FILE	GPS SHOT NO	WELD NO	DEPTH COVER	WPS	JOINT NO BACK	HEAT NO BACK	DATE VISUAL INSPECTION	VISUAL ACCEPTED	PIPE DIA.	LENGTH	CUTOFF	TOTAL PIPE	WALL THICKNESS	XRAY STATUS	COATING SURFACE PREP	WELD COATING	SHRINK SLEEVE / EPPED AND ACCEPTED DATE	PIPE COATING	COATING FINAL ACCEPTANCE	PIPE CONTENTS	PIPE SPEC.	SEAM TYPE	SMYS	PIPE TYPE	NOTES REMARKS	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22081	ALM-21	5.37	API-4	1	2152400915	8/14/14	ACC	10	42	0	14994.55	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477883.5419	1266847.456	2155.85789	48.27409638	-103.3819741
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22080	ALM-20-R1	6.18	API-4	6	2152420915	8/14/14	ACC	10	42	0	15036.55	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477885.865	1266889.473	2154.64562	48.27410704	-103.381802
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22079	ALM-19	6.58	API-4	2	2152450915	8/14/14	ACC	10	42.1	0	15078.65	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477888.0066	1266931.478	2153.05868	48.27411722	-103.38163
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22078	ALM-18	6.63	API-4	291	2152480915	8/14/14	ACC	10	42.1	0	15120.75	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477890.2081	1266973.375	2151.50632	48.27412755	-103.3814584
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22077	ALM-17	6.45	API-4	267	3100610915	8/14/14	ACC	10	42.1	0	15162.85	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477892.8772	1267015.253	2150.427	48.27413915	-103.3812869
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22076	ALM-16	6.61	API-4	286	2152280915	8/14/14	ACC	10	42	0	15204.85	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477895.6523	1267057.223	2149.54094	48.27415106	-103.3811151
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22075	ALM-15	5.74	API-4	240	2152450915	8/14/14	ACC	10	42	0	15246.85	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477898.4425	1267099.255	2149.68415	48.27416301	-103.3809431
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21950	ALM-14	5.51	API-4	41	2152280915	8/14/14	ACC	10	42	0	15288.85	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477901.0805	1267141.196	2149.93765	48.27417454	-103.3807714
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22158	BLMT-23	5.93	API-4	42	2152460915	8/14/14	ACC	10	42	10.7	15320.15	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.10.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477904.7788	1267183.013	2148.5892	48.27418896	-103.3806003
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22159	BLMT-22	6.69	API-4	32	5578670558	9/9/14	ACC	10	9	0	15329.15	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.10.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE	SMLS	X42	CARBON SL	PI STA 49+89	477907.5101	1267214.049	2146.98042	48.27419962	-103.3804734	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22161	BLMT-21	7.01	API-4	81° FITT	2152410915	9/9/14	ACC	10	10.8	0	15339.95	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.10.14	FBE	ACCEPTED	CRUDE	5L-0595	SMLS	X42 X52	CARBON SL		477903.9292	1267221.246	2146.54702	48.27419055	-103.3804433
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22162	BLMT-20	7.04	API-4	29	2152450915	9/9/14	ACC	10	42	0	15381.95	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.10.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477893.4757	1267224.371	2146.51099	48.27416224	-103.3804289
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22165	BLM-179	7.26	API-4	26	3112770915	8/19/14	ACC	10	42.1	0	15424.05	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477853.0502	1267235.774	2146.2513	48.27405266	-103.3803759
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22166	BLM-178	6.58	API-4	292	3113100915	8/19/14	ACC	10	42.1	0	15466.15	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477812.6981	1267247.301	2146.50177	48.27394331	-103.3803224
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22169	BLMT-19	6.85	API-4	291	3109740915	9/9/14	ACC	10	42.1	0	15508.25	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.9.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477772.2053	1267258.703	2146.31362	48.27383355	-103.3802694
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22170	BLM-181	7.08	API-4	199	3109610915	8/19/14	ACC	10	42.1	0	15550.35	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477731.7527	1267270.226	2145.56384	48.27372392	-103.3802159
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22173	BLM-180	6.30	API-4	290	3112770915	8/19/14	ACC	10	42.1	0	15592.45	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477691.1088	1267281.347	2145.60476	48.27361372	-103.3801664
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22174	BLMT-18	5.67	API-4	289	5578670558	9/9/14	ACC	10	9	0	15601.45	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.10.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE	SMLS	X42	CARBON SL		477650.4676	1267291.852	2145.64051	48.27350347	-103.3801147	
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22176	BLMT-17R	5.40	API-4	81° FITT	2152480915	9/9/14	ACC	10	42	13	15630.45	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.10.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477644.7986	1267297.615	2145.87164	48.27348853	-103.3800901
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22177	BLMT-16	5.21	API-4	29	3112770915	9/9/14	ACC	10	42	0	15672.45	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 9.10.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477647.2357	1267326.616	2146.10696	48.27349818	-103.3799715
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22178	ALM-13	5.18	API-4	209	3113720915	8/14/14	ACC	10	42.1	0	15714.55	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477650.5101	1267368.423	2146.17018	48.273512	-103.3798005
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22043	ALM-12	5.67	API-4	293	3113630915	8/14/14	ACC	10	42	0	15756.55	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477654.4264	1267410.426	2146.7041	48.27352647	-103.3796287
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22042	ALM-11	5.46	API-4	331	2152280915	8/14/14	ACC	10	42	0	15798.55	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477658.0957	1267452.32	2146.83553	48.27354041	-103.3794573
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22041	ALM-10	5.63	API-4	266	3112770915	8/14/14	ACC	10	42	0	15840.55	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477661.5077	1267494.18	2146.41238	48.27355445	-103.3792861
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22040	ALM-9	5.32	API-4	198	3113100915	8/14/14	ACC	10	42.1	0	15882.65	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477664.5078	1267536.129	2146.19627	48.27356696	-103.3791144
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22039	ALM-8-R1	5.38	API-4	184	2152280915	8/14/14	ACC	10	42	0	15924.65	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477667.6719	1267578.033	2146.47059	48.27357993	-103.3789429
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22038	ALM-7	5.27	API-4	30	2148340915	8/14/14	ACC	10	42.1	0	15966.75	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477670.8027	1267619.973	2146.74257	48.2735928	-103.3787713
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22037	BLM-70	5.02	API-4	31	2152460915	8/14/14	ACC	10	42.1	0	16008.85	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477673.8845	1267662	2146.86261	48.27360558	-103.3785993
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22036	BLM-69	5.30	API-4	93	2152460915	8/14/14	ACC	10	42.1	0	16050.95	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477677.3957	1267703.896	2146.52117	48.27361946	-103.3784279
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22035	BLM-68	5.54	API-4	287	2152280915	8/14/14	ACC	10	42	0	16092.95	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	FENCELINE AT STA 48+00	477680.9689	1267745.766	2146.46912	48.27363354	-103.3782567
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	22034	BLM-67	5.63	API-4	193	2152460915	8/14/14	ACC	10	42	0	16134.95	0.365	ACC	SSPC-SP3	CANUSAK-K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595									

PROJECT	LOCATION	CONTRACTOR	INSPECTION CO	PROJECT START DATE	PROJECT FINISH DATE	GPS FILE	GPS SHOT NO	WELD NO	DEPTH COVER	WPS	JOINT NO BACK	HEAT NO BACK	DATE VISUAL INSPECTION	VISUAL ACCEPTED	PIPE DIA.	LENGTH	CUTOFF	TOTAL PIPE	WALL THICKNESS	XRAY STATUS	COATING SURFACE PREP	WELD COATING	SHRINK SLEEVE / EPPED AND ACCEPTED DATE	PIPE COATING	COATING FINAL ACCEPTANCE	PIPE CONTENTS	PIPE SPEC.	SEAM TYPE	SMYS	PIPE TYPE	NOTES REMARKS	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21522	BLM-34	6.25	API-4	13	2152480915	8/14/14	ACC	10	42.1	0	17662.65	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477763.1635	1269312.159	2167.4248	48.274019	-103.3718415
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21521	BLM-33	6.25	API-4	83	2152280915	8/14/14	ACC	10	42	0	17704.65	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477755.4113	1269353.427	2166.7385	48.27400198	-103.371671
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21520	BLM-32	6.04	API-4	14	2152420915	8/14/14	ACC	10	42.1	0	17746.75	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477747.5029	1269394.706	2166.87224	48.27398453	-103.3715003
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21519	BLM-31	5.24	API-4	15	2152450915	8/14/14	ACC	10	42.1	0	17788.85	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477739.5059	1269435.937	2167.33103	48.27396684	-103.3713299
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21518	BLM-30	5.39	API-4	160	2152450915	8/14/14	ACC	10	42.1	0	17830.95	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477731.2522	1269477.131	2166.83985	48.27394844	-103.3711596
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21517	BLM-29R	5.57	API-4	137	2152280915	8/14/14	ACC	10	42	0	17872.95	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477722.8254	1269518.308	2166.03417	48.27392957	-103.3709894
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21515	2" SBLT	5.64	N/A	30	2152280915	8/12/14	ACC	10	0	0	17872.95	0.365	N/A	N/A	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477717.1869	1269543.613	2165.41851	48.27391671	-103.3708847
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21513	BLM-28	5.79	API-4	30	2152280915	8/14/14	ACC	10	42	0	17914.95	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	PI STA 24+48	477712.7427	1269559.039	2164.91868	48.27390611	-103.3708207
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21511	1.5" SBLT	5.91	N/A	31	2152280915	8/12/14	ACC	10	0	0	17914.95	0.365	N/A	N/A	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477709.2468	1269570.15	2164.56591	48.27389767	-103.3707745
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21509	BLM-27	6.55	API-4	31	2152420915	8/14/14	ACC	10	42	0	17956.95	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477698.7167	1269598.54	2163.87843	48.27387172	-103.3706564
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21508	BLM-26	6.49	API-4	202	2152280915	8/14/14	ACC	10	42	0	17998.95	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477683.5873	1269637.73	2163.84336	48.27383428	-103.3704933
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21507	BLM-25	6.18	API-4	42	2152460915	8/14/14	ACC	10	42.1	0	18041.05	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477667.9202	1269676.787	2164.02332	48.27379535	-103.3703306
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21506	BLM-24	6.27	API-4	90	2152480915	8/14/14	ACC	10	42.1	0	18083.15	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477651.9469	1269715.723	2163.68701	48.27375557	-103.3701684
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21505	BLM-23	5.95	API-4	88	2152460915	8/14/14	ACC	10	42.1	0	18125.25	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477635.9691	1269754.63	2163.4663	48.2737158	-103.3700063
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21504	BLM-22	6.63	API-4	87	2152470915	8/14/14	ACC	10	42	0	18167.25	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477620.2898	1269793.649	2162.40443	48.27367681	-103.3698438
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21503	BLM-21	7.11	API-4	47	2152460915	8/14/14	ACC	10	42	0	18209.25	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477604.8314	1269832.672	2162.09455	48.27363845	-103.3696813
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21502	BLM-20	6.95	API-4	91	2152460915	8/14/14	ACC	10	42	0	18251.25	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477589.3838	1269871.721	2162.00646	48.27360013	-103.3695187
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21501	BLM-19	7.08	API-4	48	2152460915	8/14/14	ACC	10	42.1	0	18293.35	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477573.7742	1269910.701	2161.99381	48.27356135	-103.3693563
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21500	BLM-18	6.77	API-4	163	2152450915	8/14/14	ACC	10	42	0	18335.35	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477557.861	1269948.498	2161.89827	48.27352172	-103.3691947
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21499	BLM-17	6.02	API-4	2	2152450915	8/14/14	ACC	10	42	0	18377.35	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477541.8874	1269988.365	2162.51895	48.27348193	-103.3690328
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21498	BLM-16	5.95	API-4	143	2152450915	8/14/14	ACC	10	42	0	18419.35	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477525.8943	1270027.171	2162.97742	48.27344028	-103.3688711
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21497	BLM-15	6.66	API-4	142	2152480915	8/14/14	ACC	10	42.1	0	18461.45	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477510.135	1270066.195	2162.46873	48.27340289	-103.3687085
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21496	BLM-14	6.55	API-4	141	2152280915	8/14/14	ACC	10	42	0	18503.45	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477494.558	1270105.24	2162.38563	48.27336421	-103.3685459
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21494	5.5" RT	6.49	N/A	49	2152280915	8/12/14	ACC	10	0	0	18503.45	0.365	N/A	N/A	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL	PI STA 18+42	477486.8349	1270126.066	2162.37303	48.27334518	-103.3684593
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21492	BLM-13	6.35	API-4	49	3113710915	8/14/14	ACC	10	42	0	18545.45	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477481.3376	1270145.067	2162.47195	48.27332026	-103.3683805
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21491	BLM-12	5.50	API-4	241	3113630915	8/14/14	ACC	10	42	0	18587.45	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477470.1092	1270185.536	2162.79849	48.27330543	-103.3682127
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21490	BLM-11	5.22	API-4	279	2152450915	8/14/14	ACC	10	42	0	18629.45	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477458.7814	1270226.066	2162.46092	48.27327854	-103.3680446
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21489	BLM-10	6.20	API-4	195	2152480915	8/14/14	ACC	10	42.1	0	18671.55	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477447.9591	1270266.584	2161.19421	48.27325503	-103.3678767
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21488	2.4" SAG	6.39	N/A	65	2152480915	8/12/14	ACC	10	0	0	18671.55	0.365	N/A	SSPC-SP3	N/A	N/A	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477443.452	1270283.379	2161.05766	48.2732424	-103.3678071
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21487	BLM-9	6.62	API-4	65	2152460915	8/14/14	ACC	10	42.1	0	18713.65	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477437.0352	1270307.068	2161.76504	48.27322724	-103.3677089
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21486	BLM-8	6.18	API-4	119	2152280915	8/14/14	ACC	10	42	0	18755.65	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 8.21.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477425.8259	1270347.608	2163.74415	48.27320067	-10

PROJECT	LOCATION	CONTRACTOR	INSPECTION CO	PROJECT START DATE	PROJECT FINISH DATE	GPS FILE	GPS SHOT NO	WELD NO	DEPTH COVER	WPS	JOINT NO BACK	HEAT NO BACK	DATE VISUAL INSPECTION	VISUAL ACCEPTED	PIPE DIA.	LENGTH	CUTOFF	TOTAL PIPE	WALL THICKNESS	XRAY STATUS	COATING SURFACE PREP	WELD COATING	SHRINK SLEEVE /EPPED AND ACCEPTED DATE	PIPE COATING	COATING FINAL ACCEPTANCE	PIPE CONTENTS	PIPE SPEC.	SEAM TYPE	SMYS	PIPE TYPE	NOTES REMARKS	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21853	BLM-230	7.56	API-4	233	2148340915	9/3/14	ACC	10	20.5	0	20163.2	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.3.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477006.19	1271666.848	2152.83846	48.27218565	-103.3620632
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER		BORE	BLMT-10	14.00	API-4	369	SQ94783	9/3/14	ACC	10	42.1	1	20204.3	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.3.14	FBE/ARO	ACCEPTED	CRUDE	5L-0554	HFW	X42	CARBON SL					
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER		BORE	BLMB-10	21.00	API-4	67	SQ94783	8/19/14	ACC	10	42.1	0	20246.4	0.365	ACC	SSPC-SP3	CANUSAK-60/X-WRAP	10000 Volts / 8.23.14	FBE/ARO	ACCEPTED	CRUDE	5L-0554	HFW	X42	CARBON SL	BORE SEC. STA 0+00 - 2+25				
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER		BORE	BLMB-9	27.10	API-4	68	SQ94783	8/19/14	ACC	10	42.1	0	20288.5	0.365	ACC	SSPC-SP3	CANUSAK-60/X-WRAP	10000 Volts / 8.23.14	FBE/ARO	ACCEPTED	CRUDE	5L-0554	HFW	X42	CARBON SL	BORE SEC. STA 0+00 - 2+25				
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER		BORE	BLMB-8	21.00	API-4	58	SQ94783	8/19/14	ACC	10	42.1	0	20330.6	0.365	ACC	SSPC-SP3	CANUSAK-60/X-WRAP	10000 Volts / 8.23.14	FBE/ARO	ACCEPTED	CRUDE	5L-0554	HFW	X42	CARBON SL	BORE SEC. STA 0+00 - 2+25				
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER		BORE	BLMB-7	13.00	API-4	57	SQ94783	8/19/14	ACC	10	42.1	23.3	20349.4	0.365	ACC	SSPC-SP3	CANUSA K-60/X-WRAP	10000 Volts / 8.23.14	FBE/ARO	ACCEPTED	CRUDE	5L-0554	HFW	X42	CARBON SL	BORE SEC. STA 0+00 - 2+25				
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21871	BLMT-11	5.62	API-4	89	55768	9/5/14	ACC	10	2.6	0	20352	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 9.5.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE		SMLS	X42	CARBON SL		476981.1385	1271849.108	2178.23605	48.27213559	-103.3613115
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21869	BLMT-12R	5.53	API-4	9*OB FIT	2110290915	9/5/14	ACC	10	42.1	2	20392.1	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	4000 Volts / 9.5.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476980.9569	1271851.652	2178.28585	48.27213535	-103.3613011
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21868	BLM-222	5.10	API-4	26	2110300915	9/3/14	ACC	10	42.1	0	20434.2	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.5.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476979.0286	1271891.87	2178.23989	48.27213416	-103.3611357
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21867	BLM-223	5.02	API-4	196	3110010915	9/3/14	ACC	10	42	0	20476.2	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.5.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476977.8582	1271933.926	2178.2913	48.27213524	-103.360963
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21866	BLM-224	5.05	API-4	63	3110010915	9/3/14	ACC	10	42	0	20518.2	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.5.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476976.935	1271976.036	2178.33961	48.272137	-103.36079
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21865	BLM-225	5.69	API-4	3	3111890915	9/3/14	ACC	10	42	0	20560.2	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.5.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476975.8017	1272018.064	2177.57982	48.27213817	-103.3606174
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21864	BLM-231	5.76	API-4	66	2110400915	9/5/14	ACC	10	42	0	20602.2	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.5.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476974.3239	1272059.888	2176.69461	48.27213838	-103.3604456
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21863	BLM-232R	5.86	API-4	102	2108750915	9/5/14	ACC	10	42.1	0	20644.3	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.5.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476972.4702	1272101.827	2176.0128	48.27213758	-103.3602732
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21862	BLM-226	5.39	API-4	40	2108750915	9/3/14	ACC	10	42.1	0	20686.4	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.5.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476970.9777	1272143.796	2176.71821	48.27213776	-103.3601007
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21861	BLM-227	6.25	API-4	349	2110400915	9/3/14	ACC	10	42.1	0	20728.5	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.5.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476969.8708	1272185.981	2176.91228	48.27213902	-103.3599275
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21860	BLM-228	7.50	API-4	350	2108750915	9/3/14	ACC	10	41.8	0	20770.3	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.5.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476968.8615	1272228.016	2176.74919	48.27214054	-103.3597548
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	21859	BLM-229	7.76	API-4	312	2148340915	9/3/14	ACC	10	42.1	6	20806.4	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 9.5.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476967.923	1272269.72	2177.61382	48.27214221	-103.3595835
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24196	BLMT-103	7.10	API-4	74	2148340915	10.13.14	ACC	10	6.8	0	20813.2	0.365	ACC	SSPC-SP3	CANUSA K-60 SHRINK SLEEVE	10000 Volts / 10.14.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476966.461	1272305.864	2179.2435	48.27214188	-103.359435
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24197	BLMT-102	6.83	API-4	369	55786	10.13.14	ACC	10	11.9	0	20825.1	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 10.14.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE		SMLS	X42	CARBON SL		476966.1074	1272312.534	2179.68649	48.27214159	-103.3594076
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24199	BLMT-101	6.28	API-4	90° FITT	2152480915	10.13.14	ACC	10	37.5	0	20862.6	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 10.14.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		476972.5758	1272319.779	2180.45351	48.27216005	-103.3593788
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24200	BLMT-100	5.54	API-4	82	55786	10.13.14	ACC	10	7.8	0	20870.4	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 10.14.14	RD6 WRAP/PRIMER	ACCEPTED	CRUDE		SMLS	X42	CARBON SL		477009.853	1272322.152	2181.30713	48.27226241	-103.3593748
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24202	BLMT-99	AG	API-4	45° FITT	SQ94783	10.13.14	ACC	10	5.7	0	20876.1	0.365	ACC	SSPC-SP3	RD6 WRAP/PRIMER	4000 Volts / 10.14.14	FBE	ACCEPTED	CRUDE	5L-0595	HFW	X42 X52	CARBON SL		477016.3974	1272322.631	2184.08967	48.27228039	-103.3593738
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24203	LMF-12	AG	API-4	138	55786	10.8.14	ACC	10	7.8	0	20883.9	0.365	ACC	SSPC-SP3	N/A	N/A	DURAPLATE 235 EPOXY	ACCEPTED	CRUDE		SMLS	X42	CARBON SL		477020.2576	1272322.815	2188.14292	48.27229098	-103.3593737
LITTLE MUDDY RIVER	POLAR	LOENBRO	CHIPPEWA	8/4/2014	10/25/2014	LITTLE MUDDY RIVER	24205	LMF-13	AG	API-4	45° FITT	N192H0113	10.8.14	ACC	10	0.5	0	20884.4	0.365	ACC	SSPC-SP3	N/A	N/A	DURAPLATE 235 EPOXY	ACCEPTED	CRUDE	B16.5	SMLS	Y52	CARBON SL	RISER TANK FARM	477027.4218	1272323.255	2191.19356	48.27231065	-103.3593729

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SECTION LINE

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PROPERTY LINE

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DISPOSAL WATER

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OIL

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BORE SEGMENT

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FOREIGN XING AS NOTED

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UNDEGROUND ELECTRIC

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FENCE LINE

✕

ISOLATION VALVE

⊗

BLOCK VALVE

⊗

PIG LAUNCHER

⊗

PIG RECEIVER

⊗

CATHODIC PROT. STATION

⊗

TRACER WIRE STATION

MARK		QTY.	DESCRIPTION

NO.		DATE	DESCRIPTION



CHIPPEWA
RESOURCES

1408 20th Avenue SW, Suite 6
Minot, ND 58703

DRAWN BY: KV

CHECKED BY: TA

APPROVED BY: TA



LITTLE MUDDY RIVER PIPELINE
10" MAIN - PHASE 1
PIPELINE AS BUILT

999 18th Street, Suite 3400S,
Denver, CO 80202

JOB NO. SB12

CONTACT: D. Blikre

DATE: 12.10.14

SHEET NO. 24 of 24

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