

5TH PRINCIPAL MERIDIAN

Robinson Lake Discharge 6" Steel Gas Line

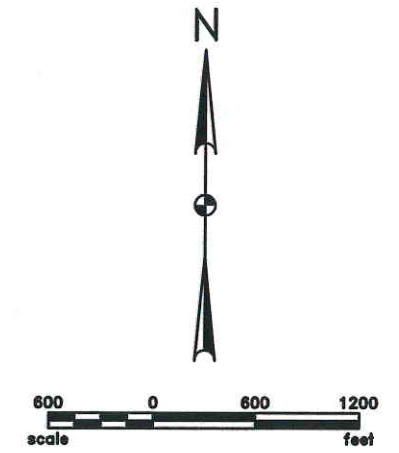
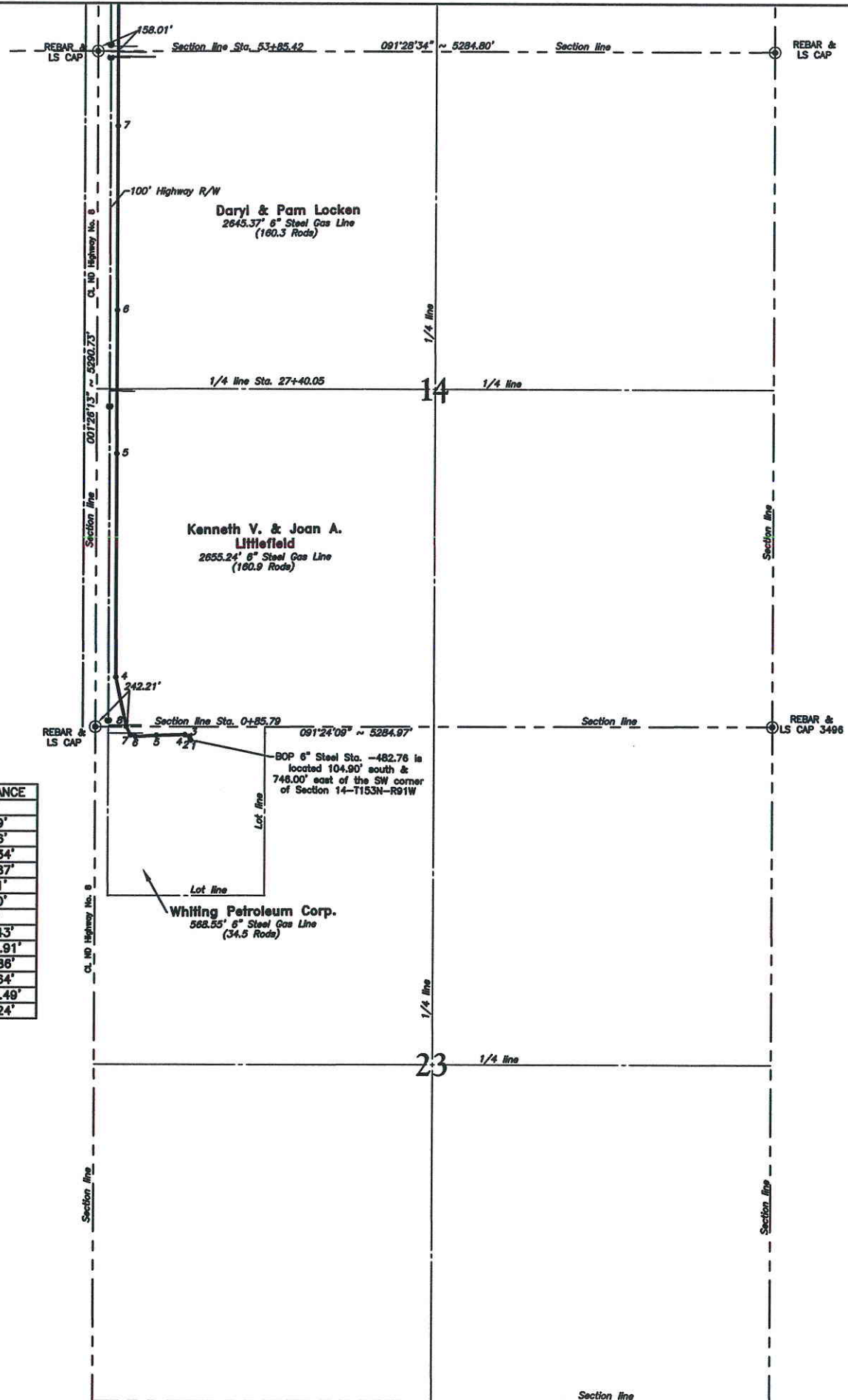
P.I.	STATION	DESCRIPTION
1	-4+82.8	Begin Line at Whiting Gas Plant
	0+28.5	E-W Barb Wire Fence
	0+99.9	E-W Barb Wire Fence/ Begin Crop
	12+82.9	End Crop/ Begin Grass
	17+03.1	End Grass/ Begin Crop
	27+22.3	End Crop/ E-W Barb Wire Fence
	27+34.0	E-W Barb Wire Fence/ Begin Grass
	30+70.2	End Grass/ Begin Crop
	53+06.0	Begin Road Bore
	53+34.9	E-W Barb Wire Fence/ End Crop/ Begin Ditch
	53+41.4	E-W Overhead Electric
	53+81.0	E-W C.L. Road

Robinson Lake Discharge 6" Steel Gas Line

PI #	STATION	LATITUDE	LONGITUDE	DIRECTION	DISTANCE
1	-4+82.76	48°03'58.66"N	102°21'02.03"W	311°52'44"	6.88'
2	-4+75.88	48°03'58.71"N	102°21'02.11"W	349°13'17"	25.09'
3	-4+50.79	48°03'58.95"N	102°21'02.19"W	290°41'15"	39.46'
4	-4+11.33	48°03'59.08"N	102°21'02.74"W	270°14'52"	221.34'
5	-1+89.99	48°03'59.03"N	102°21'06.00"W	267°49'44"	182.87'
6	0+27.12	48°03'58.93"N	102°21'08.39"W	290°41'16"	41.61'
7	0+14.49	48°03'59.07"N	102°21'08.97"W	334°46'24"	71.30'
S. LINE	0+85.79			334°46'24"	4.06'
8	0+89.85	48°03'59.73"N	102°21'09.47"W	349°22'19"	394.43'
4	4+84.28	48°04'03.54"N	102°21'10.67"W	001°26'04"	1748.91'
5	22+33.19	48°04'20.80"N	102°21'10.65"W	001°25'53"	506.86'
1/4 Line	27+40.05			001°25'53"	618.64'
6	33+56.69	48°04'31.89"N	102°21'10.63"W	001°26'17"	1442.49'
7	47+99.18	48°04'46.13"N	102°21'10.61"W	001°26'14"	586.24'
S. Line	53+85.42				

T 153 N

R 91 W



NDDOT - R/W By Permit
Private - R/W Width 6'
Minimum Depth 48"
TOTAL: Horz. Distance
SECTION 23 SECTION 14

2"		
3"		
4"		
6"	568.55' Steel Gas	5100.61' Steel Gas
8"		
10"		



As-built Pipeline Survey
Robinson Lake Discharge Line

Kadmas Lee & Jackson
Engineers Surveyors Planners
Duluth, MN 55812

I, Alvin R. Lambert, a Registered Land Surveyor, N.D. RLS #1241, do hereby certify that the survey plat shown hereon was made by Sheldon Wolf under my direction, from notes made in the field and the same is true and correct to the best of my knowledge and belief. Field survey was performed by Becky Sharlock on October 10, 2007. Revised July 24, 2008.

Alvin R. Lambert
N.D. RLS No. 1241
Field Book: 0-44
Drawn By: SCW Date: 11-1-07
Surveyed By: BS Date: 10-10-07
Project No. 8707468 Sheet 1 of 10
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WHITING PETROLEUM CORPORATION

SECTION 23 & 14
T. 153 N., R. 91 W.
MOUNTAIN COUNTY, NORTH DAKOTA

SCALE: 1" = 600' DATE: 11-1-07
DRAWN BY: SCW DRAWER:
TRACED BY: NO:

NOTE:
Survey is based on North Dakota State Plane System, NAD83 (96), North Zone, U.S. Foot. Azimuths shown are Grid Azimuths, distances shown are grid distance. Combined scale factor = 1.00016310 to go from grid distance to ground distance.

5TH PRINCIPAL MERIDIAN

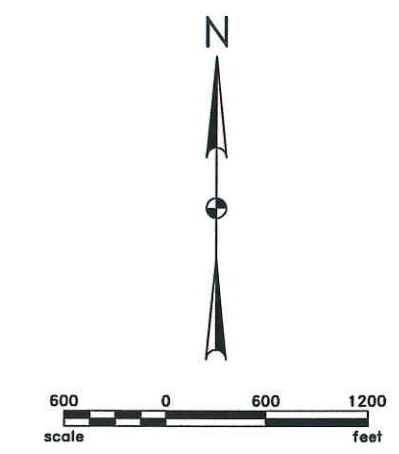
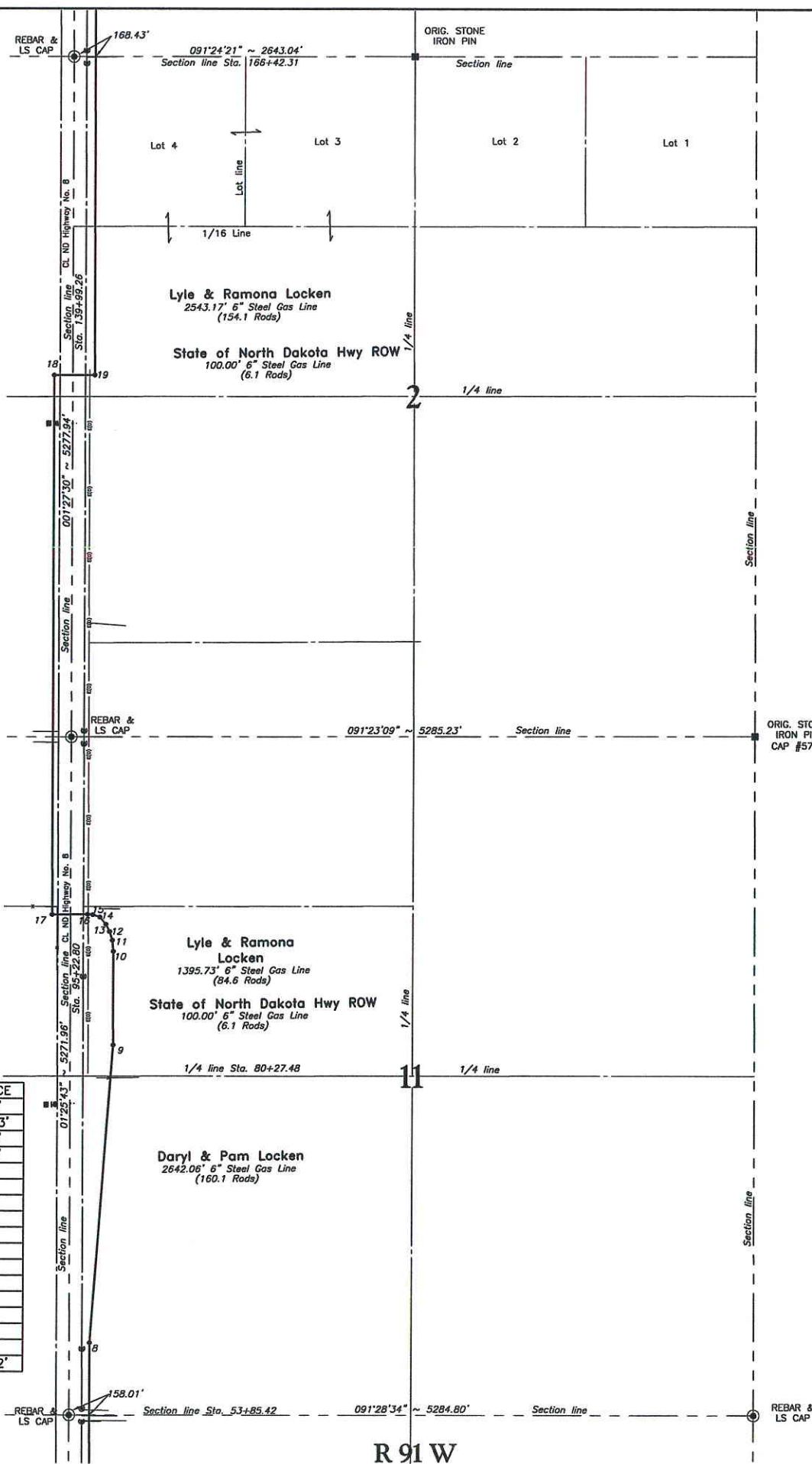
Robinson Lake Discharge 6" Steel Gas Line

P.I. STATION	DESCRIPTION
53+45.4	Test Lead
53+81.0	E-W C.L. Road
54+56.0	End Road Bore
77+94.3	Mile Marker 140, 268.0' Lt.
80+14.6	E-W Barb Wire Fence
93+62.8	Begin Highway Bore
94+21.6	Test Lead
94+23.2	Enter Highway Right-of-Way/ End Grass
95+07.7	N-S Shoulder of Road
95+22.8	N-S C.L. of Road
139+99.3	N-S C.L. of Road
140+13.7	N-S Shoulder of Road
140+99.1	Exit Highway Right-of-Way/ Begin Grass
141+30.2	E-W Overhead Electric
141+34.3	End Highway Bore
165+64.3	Begin Road Bore
166+29.3	E-W Shoulder of Road
166+39.3	E-W C.L. of Road

Robinson Lake Discharge 6" Steel Gas Line

PI #	STATION	LATITUDE	LONGITUDE	DIRECTION	DISTANCE
S. Line	53+85.42				
8	59+47.35	48°04'57.46"N	102°21'10.59"W	001°26'14"	561.93'
1/4 Line	80+27.48			005°46'04"	2080.13'
9	82+70.08	48°05'20.31"N	102°21'07.98"W	005°46'04"	242.60'
10	89+98.60	48°05'27.50"N	102°21'07.98"W	001°22'38"	728.53'
11	90+85.15	48°05'28.35"N	102°21'08.08"W	356°28'47"	86.54'
12	91+55.92	48°05'29.02"N	102°21'08.40"W	343°32'24"	70.77'
13	92+20.55	48°05'29.59"N	102°21'08.84"W	333°59'14"	64.63'
14	92+93.42	48°05'30.13"N	102°21'09.55"W	320°08'56"	72.87'
15	93+51.85	48°05'30.32"N	102°21'10.36"W	290°32'54"	58.43'
16	93+91.46	48°05'30.33"N	102°21'10.95"W	274°07'14"	39.61'
R/W Line	94+23.21			271°19'22"	31.75'
S. Line	95+22.80			271°19'22"	99.59'
S. Line	139+99.26				
R/W Line	140+99.14			091°22'17"	99.88'
19	141+70.99	48°06'11.64"N	102°21'10.28"W	091°22'17"	71.85'
S. Line	166+42.31			001°22'53"	2471.32'

NOTE:
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NDDOT - R/W By Permit
Private - R/W Width 6'
Minimum Depth 48"
TOTAL: Horz. Distance
SECTION 11 SECTION 2

2"		
3"		
4"		
6"	4137.38' Steel Gas	2643.05' Steel Gas
8"		
10"		



As-built Pipeline Survey
Robinson Lake Discharge Line

Kadmas Lee & Jackson
Engineers Surveyors Planners
N.D. RLS No. 1241
Field Book: 0-44
Drawn By: SCW Date: 11-1-07
Surveyed By: BS Date: 10-10-07
Project No. 8707468 Sheet 2 of 10
DATE: 11-1-07
DRAWN BY: SCW
TRACED BY: NO:

WHITING PETROLEUM CORPORATION
SECTION 11 & 2
T. 153 N., R. 91 W.
MOUNTRAIL COUNTY, NORTH DAKOTA
SCALE: 1" = 600' DATE: 11-1-07
DRAWN BY: SCW
TRACED BY: NO:

5TH PRINCIPAL MERIDIAN

Robinson Lake Discharge 6" Steel Gas Line

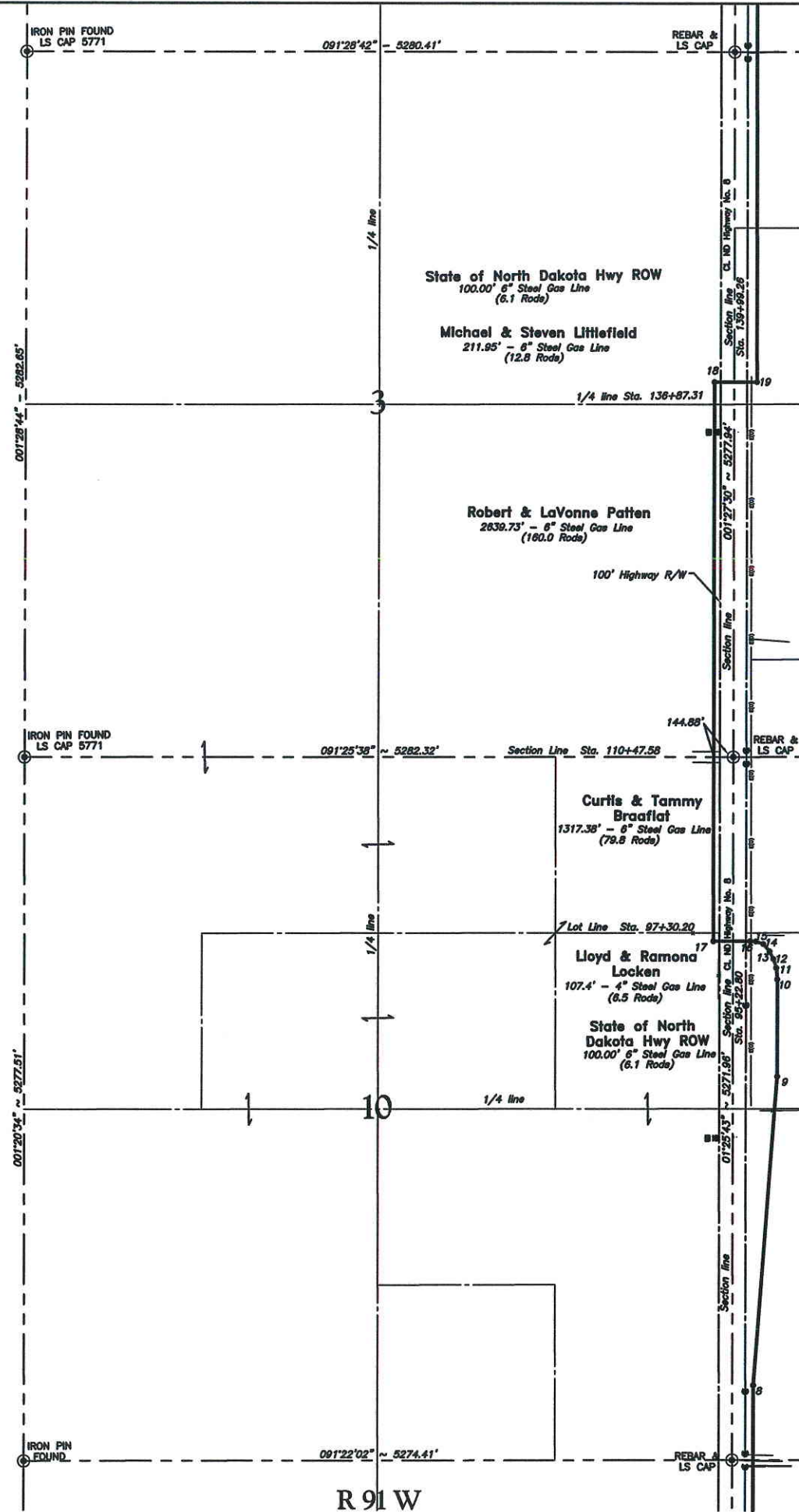
P.I. STATION	DESCRIPTION
95+22.8	N-S C.L. of Road
95+36.1	N-S Shoulder of Road
96+22.8	Exit Highway Right-of-Way/ Begin Grass
96+27.9	N-S Barb Wire Fence
96+82.8	End Highway Bore
97+29.4	E-W Barb Wire Fence
109+72.6	Begin Road Bore
110+05.7	E-W Barb Wire Fence
110+88.3	E-W Barb Wire Fence
110+88.3	Test Lead
111+22.6	End Road Bore
134+79.3	Mile Marker 141, 175.8' Rt.
136+87.3	E-W Barb Wire Fence
138+98.4	Test Lead
138+99.3	Enter Highway Right-of-Way/ Begin Grass
139+85.1	N-S Shoulder of Road
139+99.3	N-S C.L. of Road

T 153 N

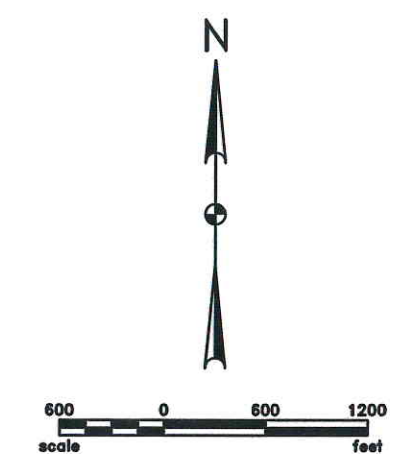
Robinson Lake Discharge 6" Steel Gas Line

PI #	STATION	LATITUDE	LONGITUDE	DIRECTION	DISTANCE
S. Line	95+22.80			271°19'22"	100.00'
R/W Line	96+22.80			271°19'22"	45.39'
17	96+68.19	48°05'30.33"N	102°21'15.02"W	001°26'59"	62.01'
1/16 Line	97+30.20			001°26'59"	1317.38'
S. Line	110+47.58			001°26'59"	2639.73'
1/4 Line	136+87.31			001°26'59"	166.65'
18	138+53.96	48°06'11.64"N	102°21'14.95"W	091°22'17"	45.30'
R/W Line	138+99.26			091°22'17"	100.00'
S. Line	139+99.26				

NOTE:
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R 91 W



NDDOT - R/W By Permit
Private - R/W Width 6'
Minimum Depth 48"

TOTAL: Horz. Distance
SECTION 10 SECTION 3

2"		
3"		
4"		
6"	207.4' Steel Gas	2951.68' Steel Gas
8"		
10"		



As-built Pipeline Survey
Robinson Lake Discharge Line

Kadmas Lee & Jackson
Engineers Surveyors Planners
1. Alvin R. Lambert, A Registered Land Surveyor, N.D. RLS #1241, do hereby certify that the survey plat shown hereon was made by Sheldon Wolf under my direction, from notes made in the field and the same to true and correct to the best of my knowledge and belief. Field survey was performed by Becky Sherlock on October 10, 2007. Revised July 24, 2009.

Sheldon Wolf
N.D. RLS No. 1241
Field Book: 0-44
Drawn By: SCW
Surveyed By: BS
Project No. 8707468
Date: 11-1-07
Date: 10-10-07
Sheet: 3 of 10
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WHITING PETROLEUM CORPORATION

SECTION 10 & 3
T. 153 N., R. 91 W.
MOUNTRAIL COUNTY, NORTH DAKOTA

SCALE: 1" = 600'
DATE: 11-1-07
DRAWN BY: SCW
TRACED BY:
DRAWER:
INO:

5TH PRINCIPAL MERIDIAN

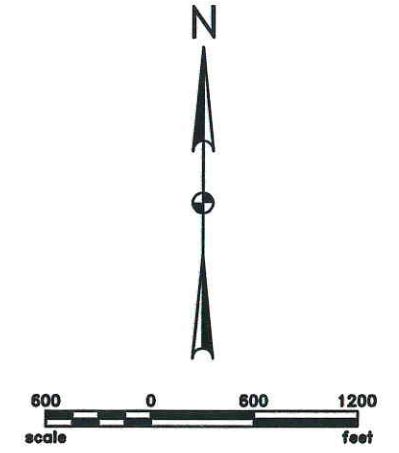
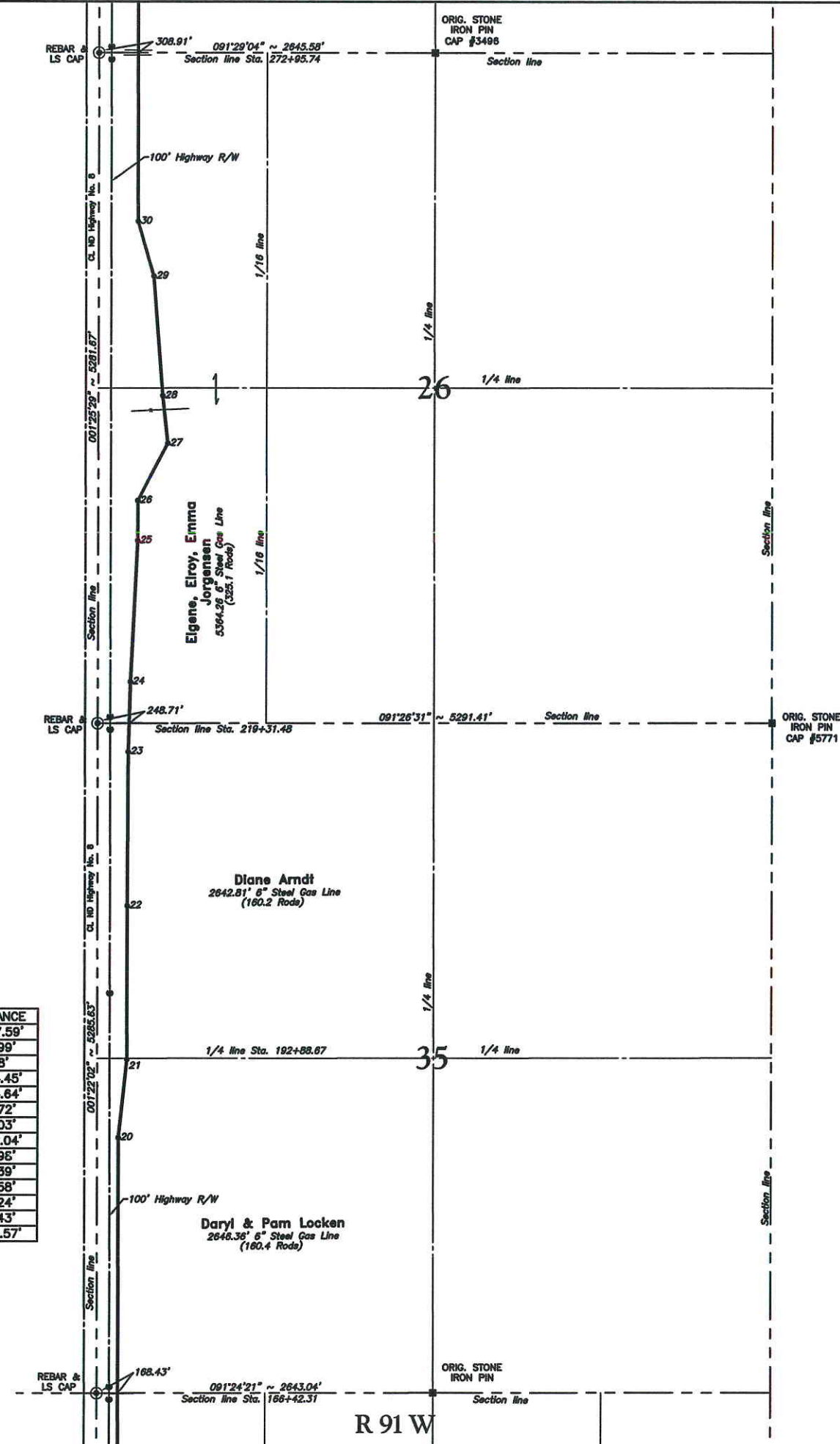
Robinson Lake Discharge 6" Steel Gas Line

P.I. STATION	DESCRIPTION
166+51.0	E-W Shoulder of Road
167+14.3	End Road Bore
218+57.2	Begin Road Bore
218+97.0	Test Lead
219+24.2	E-W Shoulder of Road
219+32.2	E-W C.L. of Road
219+44.2	E-W Shoulder of Road
220+07.2	End Road Bore
244+62.9	E-W Barb Wire Fence
272+77.5	E-W Barb Wire Fence
272+78.4	Test Lead

Robinson Lake Discharge 6" Steel Gas Line

PI #	STATION	LATITUDE	LONGITUDE	DIRECTION	DISTANCE
S. Line	166+42.31				
20	166+59.90	48°06'55.94"N	102°21'10.27"W	001°22'53"	2017.59'
21	192+79.89	48°07'02.02"N	102°21'09.29"W	007°34'43"	619.99'
1/4 Line	192+88.67			001°22'51"	08.78'
22	204+93.12	48°07'14.00"N	102°21'09.28"W	001°22'51"	1204.45'
23	217+07.76	48°07'25.99"N	102°21'09.20"W	001°38'39"	1214.64'
S. Line	219+31.48			003°02'57"	223.72'
24	222+59.51	48°07'31.48"N	102°21'08.96"W	003°02'57"	328.03'
25	233+71.55	48°07'42.39"N	102°21'08.16"W	004°11'57"	1112.04'
26	236+87.53	48°07'45.51"N	102°21'08.16"W	001°22'33"	315.96'
27	241+95.92	48°07'49.95"N	102°21'04.67"W	029°07'59"	508.39'
28	245+73.50	48°07'53.65"N	102°21'05.25"W	355°21'13"	377.58'
29	255+17.74	48°08'02.95"N	102°21'06.26"W	357°07'10"	944.24'
30	259+68.17	48°08'07.21"N	102°21'08.16"W	345°01'37"	450.43'
S. Line	272+95.74			001°22'44"	1327.57'

NOTE:
Survey is based on North Dakota State Plane System, NAD83 (96), North Zone, U.S. Foot. Azimuths shown are Grid Azimuths, distances shown are grid distance. Combined scale factor = 1.00016310 to go from grid distance to ground distance.



NDDOT - R/W By Permit
Private - R/W Width 6'
Minimum Depth 48"
TOTAL: Horz. Distance
SECTION 35 SECTION 26

2"		
3"		
4"		
6"	5289.17' Steel Gas	5363.66' Steel Gas
8"		
10"		



As-built Pipeline Survey
Robinson Lake Discharge Line

Kadmas Lee & Jackson
Engineers Surveyors
Planners

I, Alvin R. Lambert, a Registered Land Surveyor, N.D. RLS #1241, do hereby certify that the survey plot shown hereon was made by Sheldon Wolf under my direction, from notes made in the field and the same is true and correct to the best of my knowledge and belief. Field survey was performed by Becky Sherlock on October 10, 2007. Revised July 24, 2009.

N.D. RLS No. 1241
Field Book: 0-44
Drawn By: SCW Date: 11-1-07
Surveyed By: BS Date: 10-10-07
Project No. 8707488 Sheet 4 of 10
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WHITING PETROLEUM CORPORATION

SECTION 35 & 26
T. 154 N., R. 91 W.
MOUNTAIN COUNTY, NORTH DAKOTA

SCALE: 1" = 600' DATE: 11-1-07
DRAWN BY: SCW DRAWER:
TRACED BY: NO:

5TH PRINCIPAL MERIDIAN

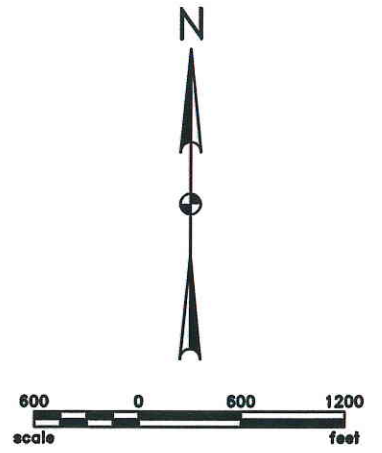
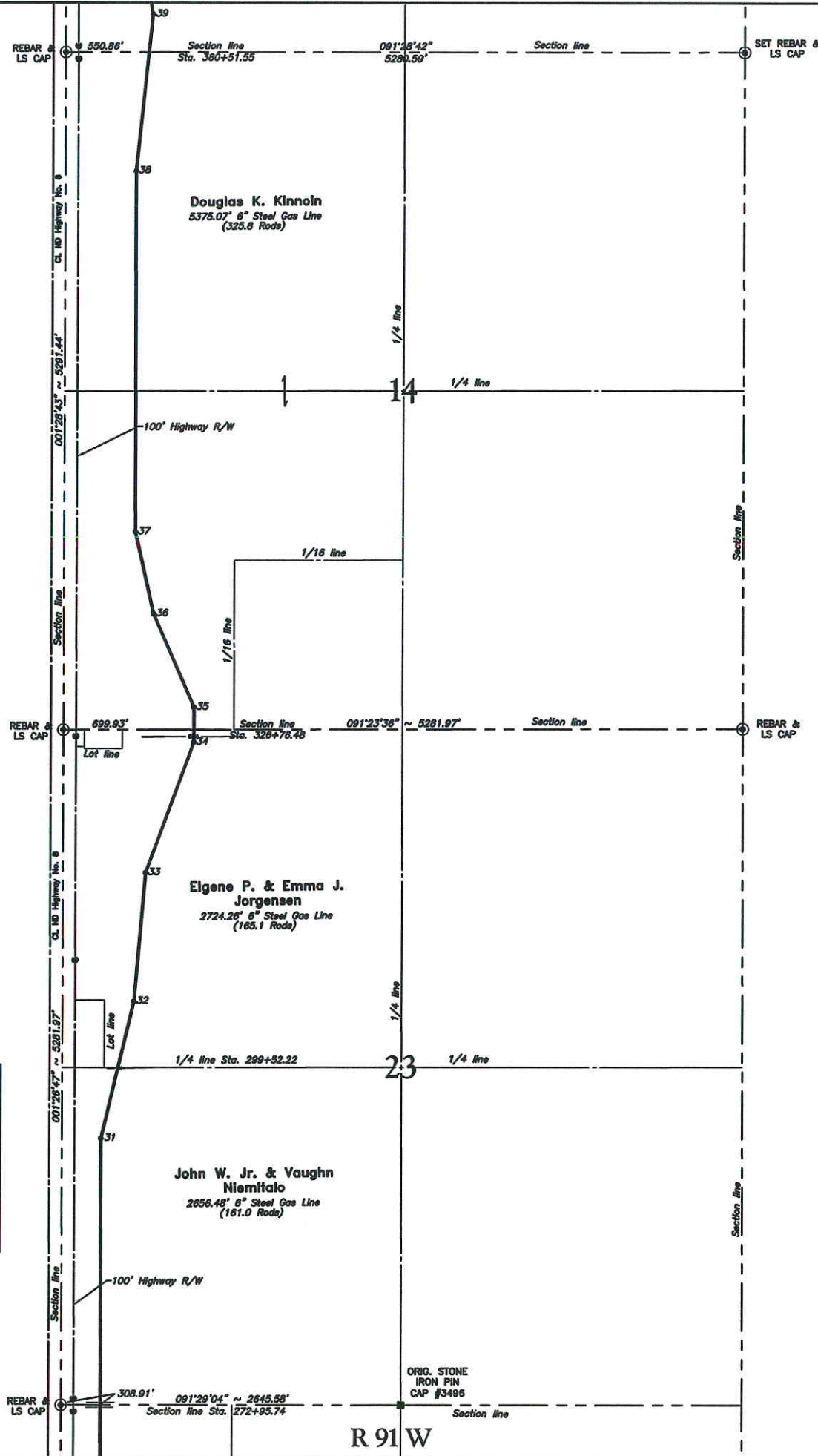
Robinson Lake Discharge 6" Steel Gas Line

P.I. STATION	DESCRIPTION
273+15.1	E-W Barb Wire Fence
291+17.9	End Grass/ Begin Crop
299+40.3	E-W Barb Wire Fence
325+28.4	Test Lead
325+30.7	Begin Block Valve Easement
325+46.6	Begin Road Bore
325+70.4	End Block Valve Easement
325+72.0	Test Lead
326+20.2	Test Lead
326+22.4	E-W Overhead Electric
326+64.8	E-W Shoulder of Road
326+78.8	E-W C.L. of Road
326+91.5	E-W Shoulder of Road
328+06.6	End Road Bore

Robinson Lake Discharge 6" Steel Gas Line

PI #	STATION	LATITUDE	LONGITUDE	DIRECTION	DISTANCE
S. Line	272+95.74			001°22'44"	2087.04'
31	293+82.78	48°08'40.91"N	102°21'08.15"W	014°43'46"	569.44'
1/4 Line	299+52.22			014°43'46"	532.79'
32	304+85.01	48°08'51.49"N	102°21'04.40"W	006°18'20"	1009.90'
33	314+94.91	48°09'01.42"N	102°21'03.12"W	021°19'30"	1082.75'
34	326+77.66	48°09'11.47"N	102°20'57.67"W	001°22'51"	98.82'
S. Line	326+76.48			001°22'51"	175.16'
35	328+51.64	48°09'14.17"N	102°20'57.67"W	338°13'59"	794.54'
36	336+46.18	48°09'21.38"N	102°21'02.28"W	348°56'17"	655.90'
37	343+02.08	48°09'27.70"N	102°21'04.36"W	001°23'14"	2818.63'
38	371+20.71	48°09'55.52"N	102°21'04.364"W	007°24'38"	930.84'
S. Line	380+51.55				

NOTE:
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NDDOT - R/W By Permit
Private - R/W Width 6'
Minimum Depth 48"
TOTAL: Horz. Distance
SECTION 23 SECTION 14

2"		
3"		
4"		
6"	5380.74' Steel Gas	5375.07' Steel Gas
8"		
10"		



As-built Pipeline Survey
Robinson Lake Discharge Line

Kadmas Lee & Jackson
Registered Surveyors
Planners

I, Alvin R. Lambert, a Registered Land Surveyor, N.D. RLS #1241, do hereby certify that the survey plot shown hereon was made by Sheldon Wolf under my direction, from notes made in the field and the same is true and correct to the best of my knowledge and belief. Field survey was performed by Becky Sherlock on October 10, 2007. Revised July 24, 2009.

Drawn By: SCW Date: 11-1-07
Surveyed By: BS Date: 10-10-07
Project No. 8707468 Sheet 5 of 10
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WHITING PETROLEUM CORPORATION

SECTION 23 & 14
T. 154 N., R. 91 W.
MOUNTRAIL COUNTY, NORTH DAKOTA

SCALE: 1" = 600' DATE: 11-1-07
DRAWN BY: SCW DRAWER:
TRACED BY: NO:

5TH PRINCIPAL MERIDIAN

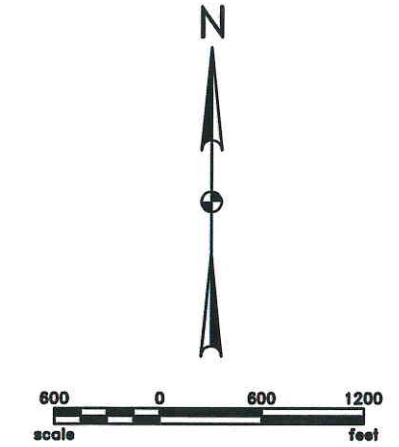
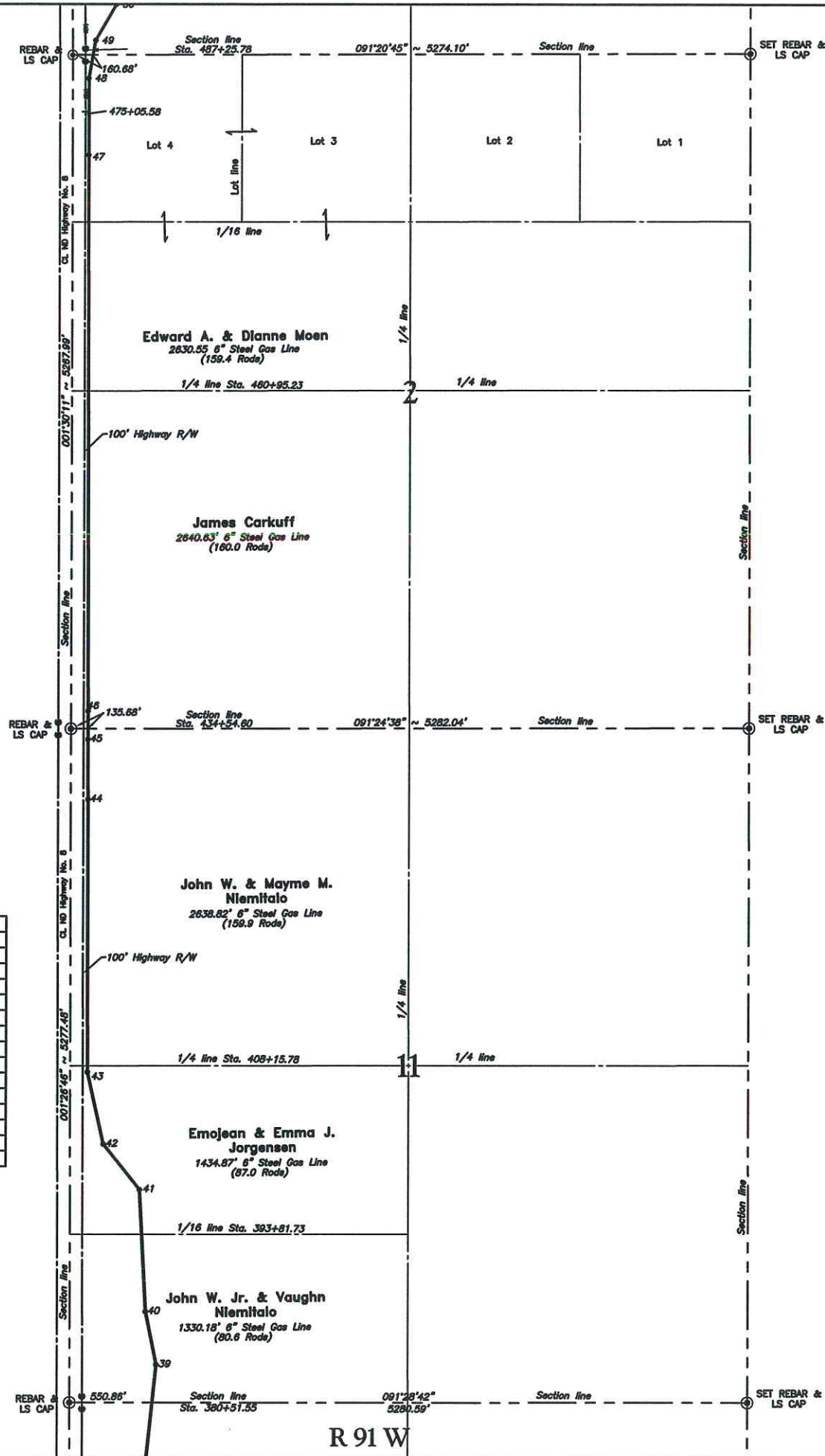
Robinson Lake Discharge 6" Steel Gas Line

P.I. STATION	DESCRIPTION
393+49.6	End Crop/ Begin Grass
393+75.7	End Grass/ Begin Crop
397+88.9	End Crop/ Begin Grass
408+01.9	End Crop/ Begin Grass
408+01.9	End Crop/ Begin Grass
409+71.8	Begin Wetland Bore
411+91.0	End Wetland Bore
424+26.0	Begin Wetland Bore
426+46.0	End Wetland Bore
434+07.4	Test Lead 8.0' Lt.
486+26.3	Begin Road Bore
486+92.5	Test Lead
487+13.0	E-W Shoulder of Road

Robinson Lake Discharge 6" Steel Gas Line

PI #	STATION	LATITUDE	LONGITUDE	DIRECTION	DISTANCE
S. Line	380+51.55				
39	383+50.21	48°10'07.59"N	102°21'02.45"W	007°24'38"	298.66'
40	387+74.60	48°10'11.69"N	102°21'03.67"W	350°08'22"	424.39'
1/16 Line	393+81.73			358°36'14"	607.13'
41	397+31.62	48°10'21.13"N	102°21'04.35"W	358°36'14"	349.89'
42	401+88.48	48°10'24.65"N	102°21'08.55"W	322°50'05"	456.86'
43	407+67.23	48°10'30.23"N	102°21'10.42"W	348°43'13"	578.75'
1/4 Line	408+15.78			001°28'07"	48.55'
44	429+01.25	48°10'51.29"N	102°21'10.38"W	001°28'07"	2085.47'
45	433+71.24	48°10'55.93"N	102°21'10.39"W	001°14'23"	469.98'
S. Line	434+54.60			001°28'60"	83.36'
46	435+93.38	48°10'58.12"N	102°21'10.39"W	001°28'60"	138.78'
1/4 Line	460+95.23			001°24'36"	2501.85'
47	479+40.68	48°11'41.02"N	102°21'10.35"W	001°24'36"	1845.45'
48	485+40.39	48°11'46.94"N	102°21'10.35"W	001°24'56"	599.71'
S. Line	487+25.78			011°45'35"	185.39'

NOTE:
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NDDOT - R/W By Permit
Private - R/W Width 6'
Minimum Depth 48"
TOTAL: Horz. Distance
SECTION 11 SECTION 2

2"		
3"		
4"		
6"	5403.05' Steel Gas	5271.18' Steel Gas
8"		
10"		



As-built Pipeline Survey
Robinson Lake Discharge Line

Kadmas Lee & Jackson Engineers Surveyors Planners	I, Alvin R. Lamberti, a Registered Land Surveyor, N.D. RLS #1241, do hereby certify that the survey plat shown hereon was made by Shildon Wolf under my direction, from notes made in the field and the same is true and correct to the best of my knowledge and belief. Field survey was performed by Becky Sherlock on October 10, 2007. Revised July 24, 2009.
N.D. RLS No. 1241 Field Book: G-44	Drawn By: SCW Date: 11-1-07 Surveyed By: BS Date: 10-10-07 Project No. 8707488 Sheet: 6 of 10
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WHITING PETROLEUM CORPORATION

SECTION 11 & 2
T. 154 N., R. 91 W.
MOUNTAIN COUNTY, NORTH DAKOTA

SCALE: 1" = 600' DATE: 11-1-07
DRAWN BY: SCW DRAWER:
TRACED BY: NO:

5TH PRINCIPAL MERIDIAN

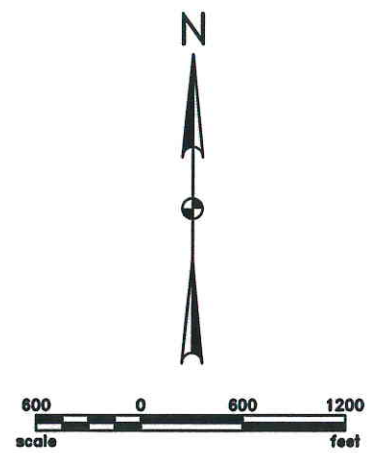
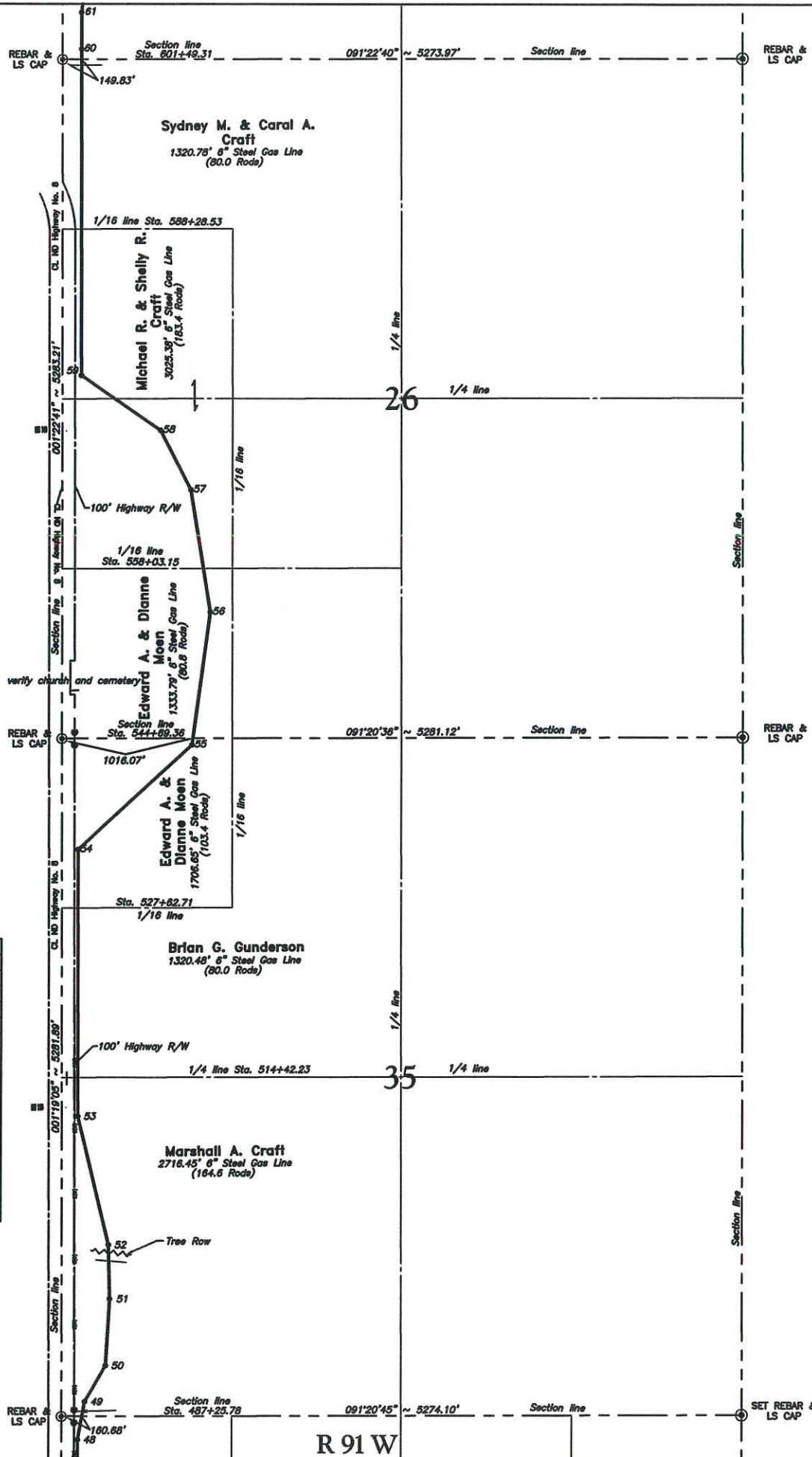
Robinson Lake Discharge 6" Steel Gas Line

P.I.	STATION	DESCRIPTION
487	+26.3	E-W C.L. of Road
487	+28.0	E-W Shoulder of Road
487	+65.2	E-W Barb Wire Fence
488	+26.3	End Road Bore
499	+77.0	Begin Tree Row Bore
501	+09.0	End Tree Row Bore
499	+82.9	E-W Barb Wire Fence
512	+08.5	Mile Marker 148, 95.1' Lt.
514	+32.6	End Crop/ Begin Grass
527	+04.0	End Grass/ Begin Crop
543	+94.4	Begin Road Bore
544	+43.3	Test Lead
545	+44.4	End Road Bore
575	+40.0	Mile Marker 149, 422.2' Lt.
600	+17.1	Test Lead
600	+17.7	Begin Block Valve Easement
600	+57.8	End Block Valve Easement
600	+74.4	Begin Road Bore
601	+01.5	Test Lead
601	+39.2	E-W Shoulder of Road

Robinson Lake Discharge 6" Steel Gas Line

PI #	STATION	LATITUDE	LONGITUDE	DIRECTION	DISTANCE
S. Line	487+25.78				
49	488+41.40	48°11'49.86"N	102°21'09.54"W	011°45'35"	115.62'
50	491+68.88	48°11'52.64"N	102°21'07.13"W	031°30'21"	325.47'
51	498+87.86	48°11'57.77"N	102°21'06.67"W	004°48'03"	520.80'
52	501+09.52	48°12'01.93"N	102°21'06.81"W	000°05'43"	421.86'
53	511+40.50	48°12'11.82"N	102°21'10.38"W	347°50'43"	1030.98'
1/4 Line	514+42.23			001°18'47"	1320.48'
1/16 Line	527+62.71			001°18'47"	454.97'
54	532+17.68	48°12'32.32"N	102°21'10.41"W	048°37'37"	1199.23'
55	544+16.91	48°12'40.36"N	102°20'57.41"W	009°04'18"	52.45'
S. Line	544+69.36			009°04'18"	990.08'
56	554+59.44	48°12'50.55"N	102°20'55.35"W	352°25'50"	343.71'
1/16 Line	558+03.15			352°25'50"	619.23'
57	564+22.38	48°12'59.94"N	102°20'57.56"W	334°34'37"	519.11'
58	569+41.48	48°13'04.51"N	102°21'01.01"W	306°14'53"	749.40'
59	576+90.88	48°13'08.74"N	102°21'10.09"W	001°22'32"	1137.85'
1/16 Line	588+28.53			001°22'32"	1320.78'
S. Line	601+49.31				

NOTE:
Survey is based on North Dakota State Plane System, NAD83 (96), North Zone, U.S. Foot. Azimuths shown are Grid Azimuths, distances shown are grid distance. Combined scale factor = 1.00016310 to go from grid distance to ground distance.



NDDOT - R/W By Permit
Private - R/W Width 6'
Minimum Depth 48"
TOTAL: Horz. Distance
SECTION 35 SECTION 26

2"		
3"		
4"		
6"	5743.58' Steel Gas	5679.95' Steel Gas
8"		
10"		



As-built Pipeline Survey
Robinson Lake Discharge Line

Kadmas Lee & Jackson
Registered Surveyors
Planners

I, Alvin R. Lambert, a Registered Land Surveyor, N.D. RLS #1241, do hereby certify that the survey plot shown hereon was made by Sheldon Wolf under my direction, from notes made in the field and the same is true and correct to the best of my knowledge and belief. Field survey was performed by Becky Sherlock on October 10, 2007. Revised July 24, 2008.

Alvin R. Lambert
N.D. RLS No. 1241
Field Book: 0-44
Drawn By: SCW Date: 11-1-07
Surveyed By: BS Date: 10-10-07
Project No. 8707488 Sheet 7 of 10
Traced By: NO

WHITING PETROLEUM CORPORATION

SECTION 35 & 26
T. 155 N., R. 91 W.
MOUNTAIN COUNTY, NORTH DAKOTA

SCALE: 1" = 600' DATE: 11-1-07
DRAWN BY: SCW DRAWER:
TRACED BY: NO

5TH PRINCIPAL MERIDIAN

Robinson Lake Discharge 6" Steel Gas Line

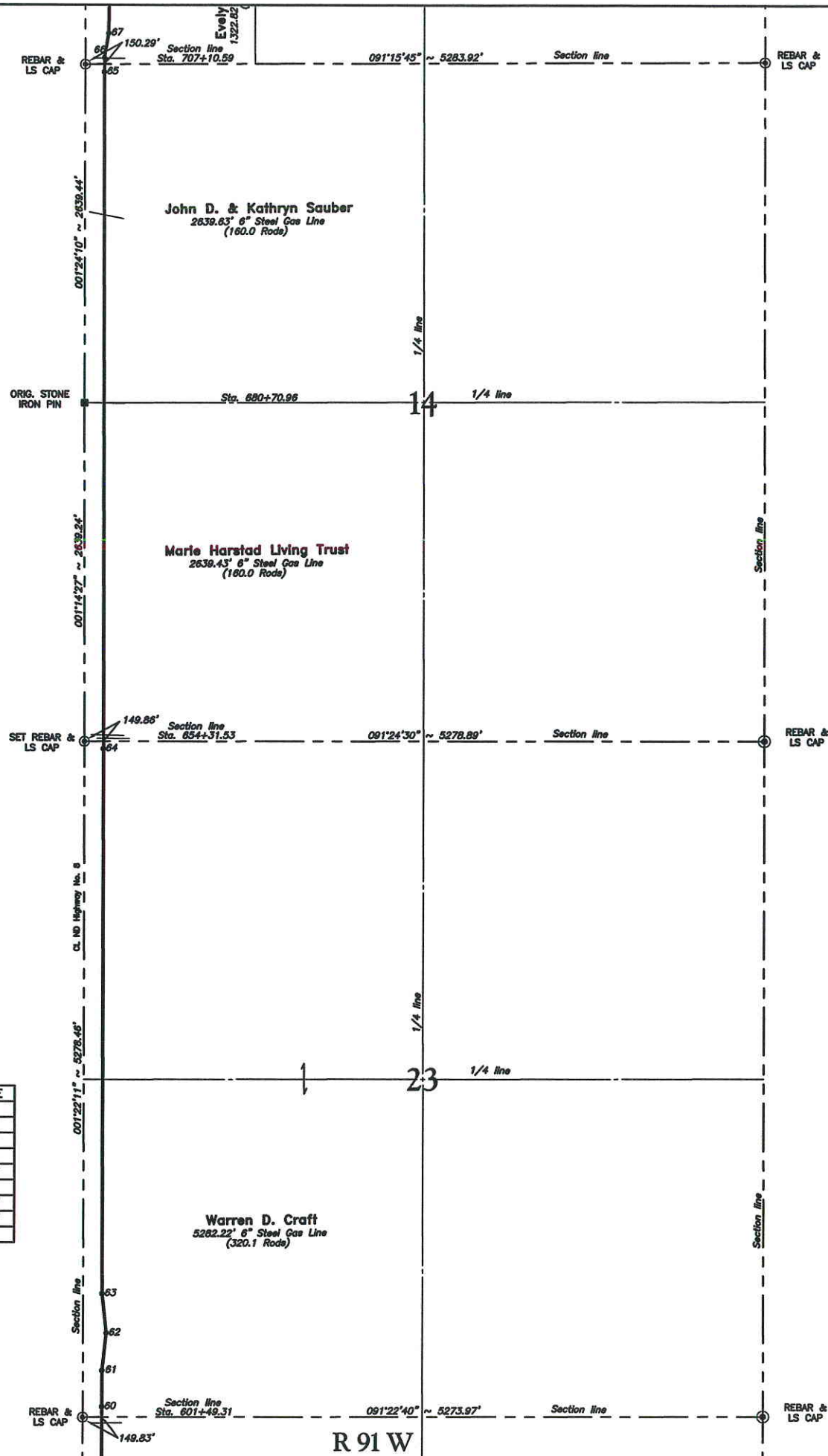
P.I. STATION	DESCRIPTION
601+49.4	E-W C.L. of Road
601+60.3	E-W Shoulder of Road
602+24.4	End Road Bore
653+55.6	Begin Road Bore
654+22.2	E-W Shoulder of Road
654+30.6	E-W C.L. of Road
654+37.6	E-W Shoulder of Road
654+79.9	E-W Overhead Electric
655+05.6	End Road Bore
680+69.6	E-W Barb Wire Fence
695+36.6	E-W Overhead Electric
706+47.5	Begin Road Bore
706+67.1	Test Lead
707+02.3	E-W Shoulder of Road

T 155 N

Robinson Lake Discharge 6" Steel Gas Line

PI #	STATION	LATITUDE	LONGITUDE	DIRECTION	DISTANCE
S. Line	601+49.31				
60	602+30.07	48°13'33.80"N	102°21'10.10"W	001°22'32"	80.76'
61	605+14.14	48°13'36.60"N	102°21'10.10"W	001°22'33"	284.07'
62	608+08.46	48°13'39.49"N	102°21'09.60"W	007°57'55"	294.32'
63	611+18.16	48°13'42.53"N	102°21'10.10"W	355°03'02"	309.69'
64	653+73.46	48°14'24.52"N	102°21'10.11"W	001°22'25"	4255.30'
S. Line	654+31.53				
1/4 Line	680+70.96			001°19'21"	58.07'
1/4 Line	680+70.96			001°19'21"	2639.43'
65	706+51.44	48°15'16.61"N	102°21'10.18"W	001°19'21"	2580.48'
S. Line	707+10.59				
S. Line	707+10.59			001°41'29"	59.15'

NOTE:
Survey is based on North Dakota State Plane System, NAD83 (96), North Zone, U.S. Foot. Azimuths shown are Grid Azimuths, distances shown are grid distance. Combined scale factor = 1.00016310 to go from grid distance to ground distance.



NDDOT - R/W By Permit
Private - R/W Width 6'
Minimum Depth 48"

TOTAL: Horz. Distance
SECTION 23 SECTION 14

2"		
3"		
4"		
6"	5282.22' Steel Gas	5279.06' Steel Gas
8"		
10"		



As-built Pipeline Survey
Robinson Lake Discharge Line

Kadmas Lee & Jackson
Engineers Surveyors
Planners

I, Alvin R. Lambert, a Registered Land Surveyor, N.D. RLS #1241, do hereby certify that the survey plat shown hereon was made by Sheldon Wolf under my direction, from notes made in the field and the same is true and correct to the best of my knowledge and belief. Field survey was performed by Becky Sherlock on October 10, 2007. Revised July 24, 2009.

Alvin R. Lambert

N.D. RLS No. 1241
Field Book: 0-44
Drawn By: SCW Date: 11-1-07
Surveyed By: BS Date: 10-10-07
Project No. 8707488 Sheet 8 of 10
Traced By: []

WHITING PETROLEUM CORPORATION

SECTION 23 & 14
T. 155N., R. 91 W.
MOUNTAIN COUNTY, NORTH DAKOTA

SCALE: 1" = 600' DATE: 11-1-07
DRAWN BY: SCW DRAWER:
TRACED BY: [] NO:

5TH PRINCIPAL MERIDIAN

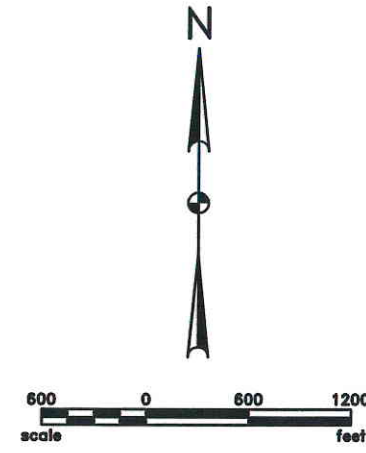
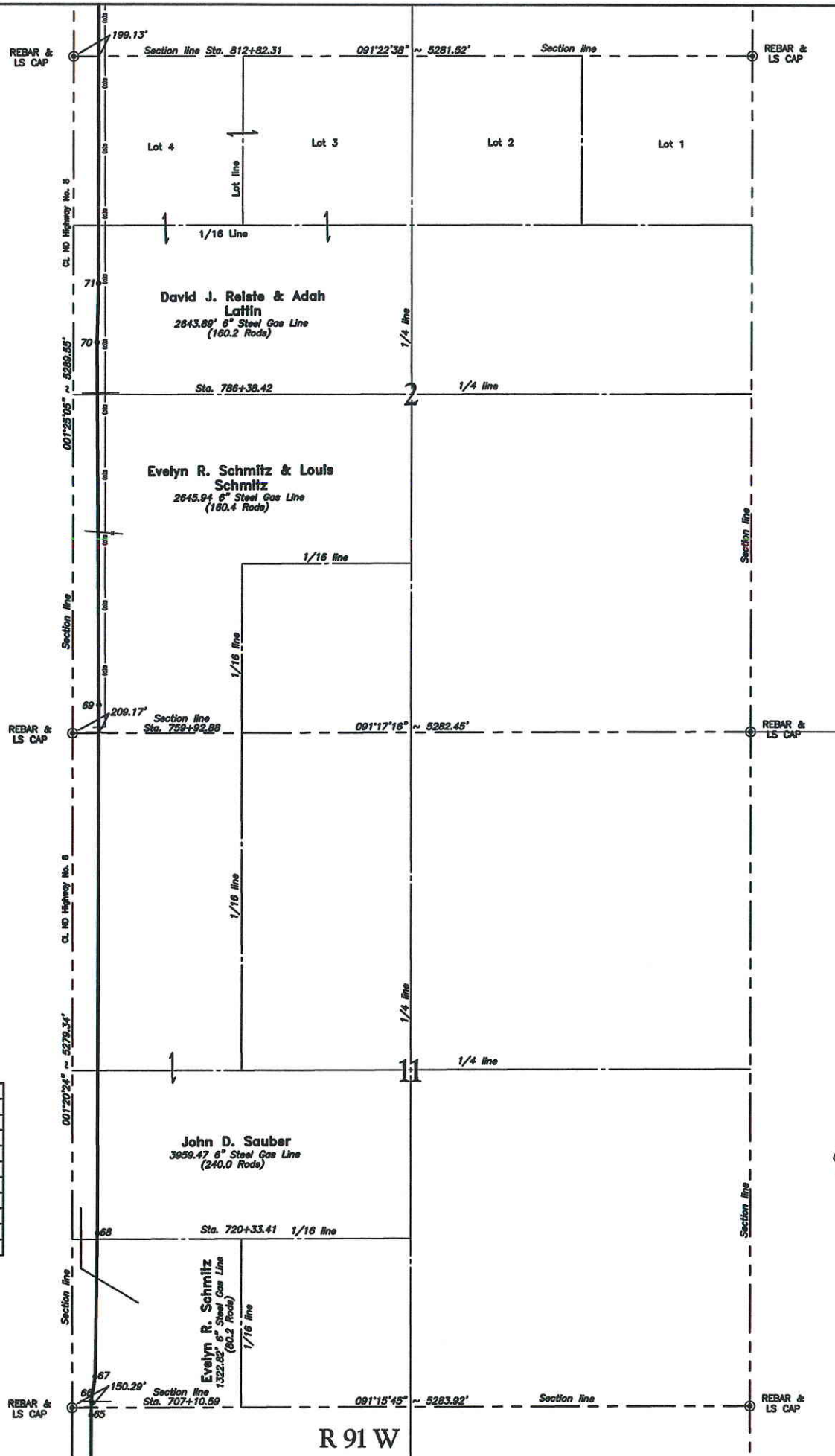
Robinson Lake Discharge 6" Steel Gas Line

P.I. STATION	DESCRIPTION
707+13.5	E-W C.L. of Road
707+25.5	E-W Shoulder of Road
707+58.9	E-W Overhead Electric
707+79.5	End Road Bore
717+28.6	NW-SE 8" Pecan Pipeline
759+31.0	Begin Road Bore
759+57.1	Test Lead
759+85.3	E-W Shoulder of Road
759+87.0	E-W C.L. of Road
760+09.9	E-W Shoulder of Road
760+40.4	E-W Overhead Electric
760+63.0	End Road Bore
775+64.0	E-W Barb Wire Fence
786+50.0	E-W Barb Wire Fence
812+51.2	Test Lead

Robinson Lake Discharge 6" Steel Gas Line

PI #	STATION	LATITUDE	LONGITUDE	DIRECTION	DISTANCE
S. Line	707+10.59				
66	707+61.55	48°15'17.69"N	102°21'10.17"W	001°41'29"	50.96'
67	709+56.46	48°15'19.59"N	102°21'09.69"W	011°06'26"	194.91'
1/16 Line	720+33.41			002°10'17"	1076.95'
68	720+80.07	48°15'30.68"N	102°21'09.46"W	002°10'17"	46.66'
S. Line	759+92.88			001°28'28"	3912.81'
69	762+12.74	48°16'11.46"N	102°21'09.36"W	001°28'28"	219.86'
1/4 Line	786+38.42			000°59'48"	2425.68'
70	790+46.94	48°16'39.43"N	102°21'09.64"W	000°59'48"	408.51'
71	795+07.47	48°16'43.97"N	102°21'09.46"W	002°49'56"	460.54'
S. Line	812+82.31			001°23'36"	1774.85'

NOTE:
Survey is based on North Dakota State Plane System, NAD83 (96), North Zone, U.S. Foot. Azimuths shown are Grid Azimuths, distances shown are grid distance. Combined scale factor = 1.00016310 to go from grid distance to ground distance.



NDDOT - R/W By Permit
Private - R/W Width 6'
Minimum Depth 48"
TOTAL: Horz. Distance
SECTION 11 SECTION 2

2"		
3"		
4"		
6"	5282.29' Steel Gas	5289.43' Steel Gas
8"		
10"		



As-built Pipeline Survey
Robinson Lake Discharge Line

Kadmas Lee & Jackson
Engineers Surveyors Planners

Alvin R. Lambert
N.D. RLS No. 1241
Field Book: 0-44

Drawn By: SCW Date: 11-1-07
Surveyed By: BS Date: 10-10-07
Project No. 8707468 Sheet 9 of 10

WHITING PETROLEUM CORPORATION

SECTION 11 & 2
T. 155N., R. 91W.
MOUNTRAIL COUNTY, NORTH DAKOTA

SCALE: 1" = 600' DATE: 11-1-07
DRAWN BY: SCW DRAWER:
TRACED BY: NO:

5TH PRINCIPAL MERIDIAN

Robinson Lake Discharge 6" Steel Gas Line

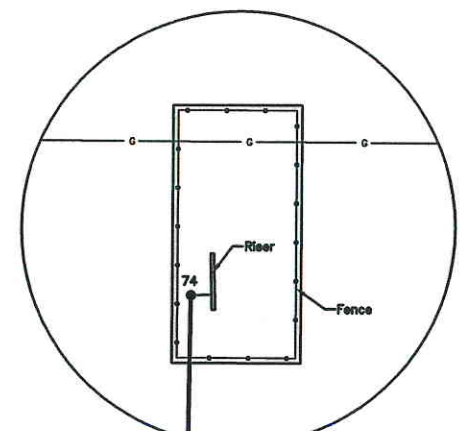
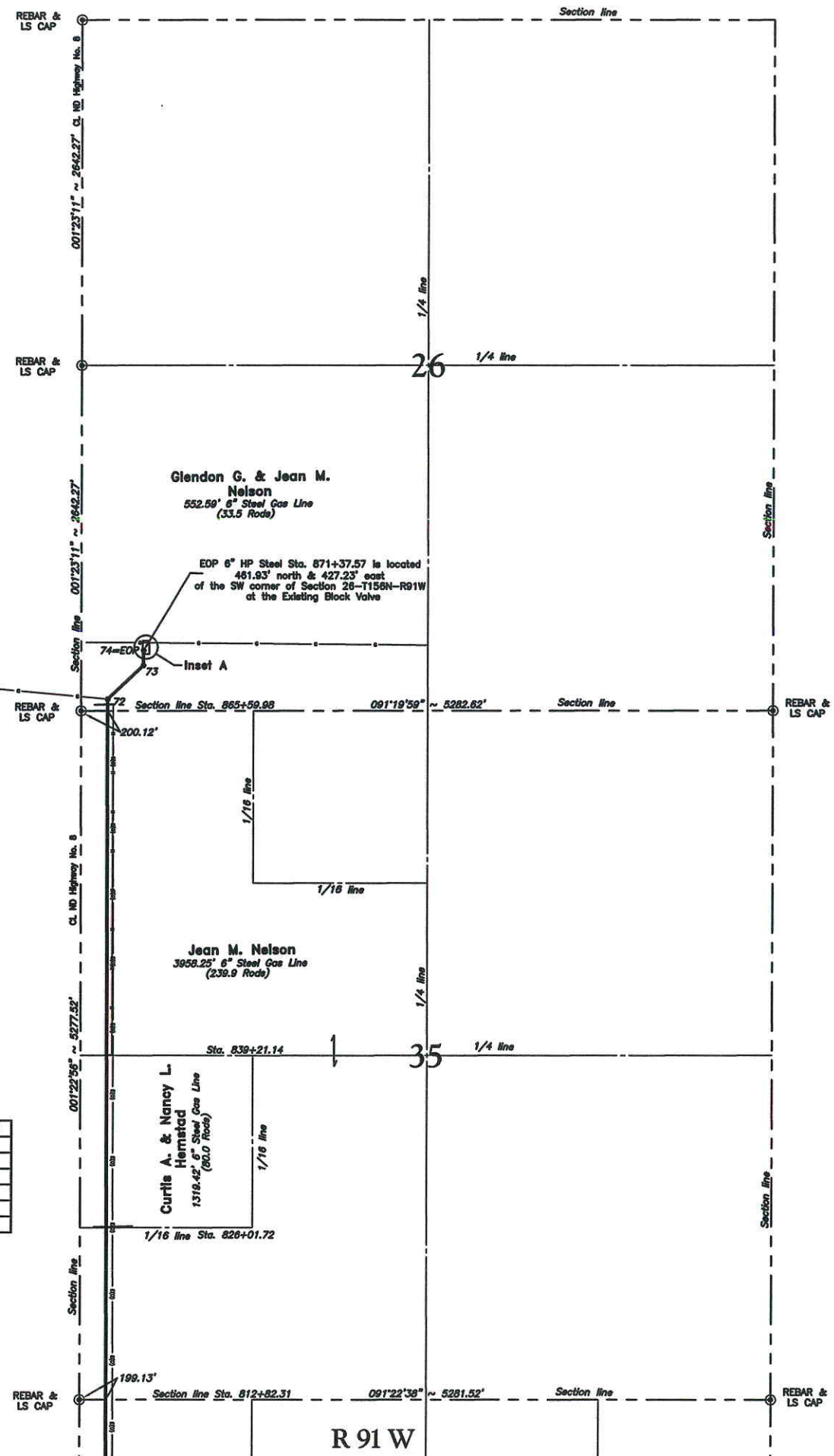
P.I. STATION	DESCRIPTION
826+09.9	E-W Barb Wire Fence
839+25.9	E-W Barb Wire Fence
864+94.0	Begin Road Bore
865+16.5	Test Lead
865+52.3	E-W Shoulder of Road
865+60.0	E-W C.L. of Road
865+67.7	E-W Shoulder of Road
866+04.7	E-W Barb Wire Fence
866+11.1	E-W Overhead Electric
866+26.0	End Road Bore
72 866+49.3	Connection to Oil Pipeline to West
74 871+37.6	Tie into Existing Pipeline

Robinson Lake Discharge 6" Steel Gas Line

PI #	STATION	LATITUDE	LONGITUDE	DIRECTION	DISTANCE
S. Line	812+82.31				
1/16 Line	826+01.72			001°23'36"	1319.41'
1/4 Line	839+21.14			001°23'36"	1319.42'
S. Line	865+59.98			001°23'36"	2638.84'
72	866+49.31	48°17'54.45"N	102°21'09.44"W	001°23'36"	89.33'
73	870+23.44	48°17'57.00"N	102°21'05.44"W	047°37'50"	374.12'
74=EOP	871+37.57	48°17'58.13"N	102°21'05.41"W	002°18'47"	114.13'

NOTE:
Survey is based on North Dakota State Plane System, NAD83 (96), North Zone, U.S. Foot. Azimuths shown are Grid Azimuths, distances shown are grid distance. Combined scale factor = 1.00016310 to go from grid distance to ground distance.

T 156 N



Inset A
Scale 1"=40'



NDDOT - R/W By Permit
Private - R/W Width 6'
Minimum Depth 48"

TOTAL: Horz. Distance
SECTION 35 SECTION 26

2"		
3"		
4"		
6"	5277.67' Steel Gas	552.59' Steel Gas
8"		
10"		



As-built Pipeline Survey
Robinson Lake Discharge Line

Kadmas Lee & Jackson Engineers Surveyors Planners	I, Alvin R. Lambert, A Registered Land Surveyor, N.D. RLS #1241, do hereby certify that the survey plot shown hereon was made by Sheldon Wolf under my direction, from notes made in the field and to the best of my knowledge and belief. Field survey was performed by Becky Sherlock on October 10, 2007. Revised July 24, 2009.
N.D. RLS No. 1241 Field Book: G-44	Drawn By: SCW Date: 11-1-07
Surveyed By: BS Date: 10-10-07	Project No. 8707468 Sheet: 10 of 10
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WHITING PETROLEUM CORPORATION

SECTION 35 & 26
T. 156N., R. 91 W.
MOUNTRAIL COUNTY, NORTH DAKOTA

SCALE: 1"= 600' DATE: 11-1-07
DRAWN BY: SCW DRAWER:
TRACED BY: NO: