Enbridge Pipelines (Lakehead) L.L.C.
1320 Grand Ave
Superior, WI 54880
Tel 715 398 4694
jan.larson@enbridge.com

www.enbridgepartners.com

ENBRIDGE™

VIA FEDERAL EXPRESS

March 4, 2010

Mr. Patrick Fahn
Director-Compliance and Competitive Markets
North Dakota Public Service Commission
600 E Boulevard
Bismarck, ND 58505-0480

Re: Case No. PU-07-108
Findings of Fact, Conclusions of Law, and Order
Enbridge Energy, Limited Partnership

Dear Mr. Fahn:

Pursuant to Paragraph 24 of the Commission's Order dated December 31, 2007, which states as follows:

> "Enbridge LP shall provide the Commission with a hard copy and electronic copy of the pipeline alignment drawings with alignment data showing the pipeline as built, and an electronic version of the as-built pipeline alignment that can be imported into ESRI GIS mapping software, and shall provide this information within 3 months of the completion of construction.",

enclosed is a complete set of as-built drawings and a CD containing all electronic data referenced above.

If you have any questions or require additional information regarding the submission of these materials, please feel free to call me at (715) 398-4694.

Sincerely,

Janice M Larson

Janice M. Larson

Enclosures

91 **PU-07-108** Filed: 3/8/2010 Pages: 31
Letter with As-Built Drawings and CD of Electronic Data

Enbridge Pipelines (North Dakota) LLC

Janice Larson

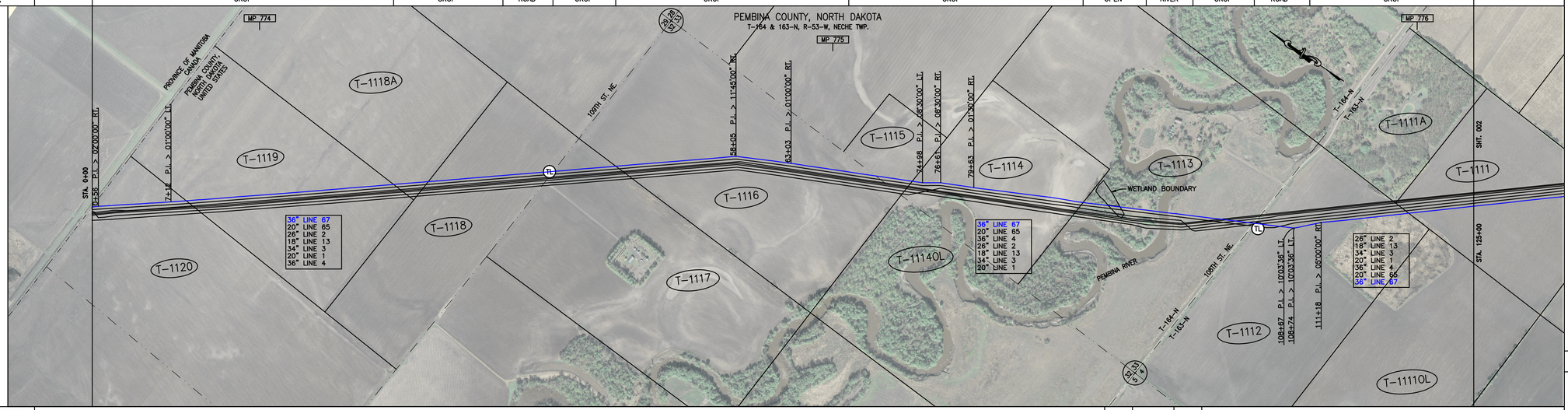
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-1120	T-1119	T-1118A	T-1118	T-1117 RX 109th ST NE	T-1117	T-1116	T-1115 RX 146TH AVE. NE	T-1115	T-1114	T-1113	T-1113 RX PEMBINA	T-1113	T-1112 RX 108th ST NE	T-1112	T-1111	
LAND USE		CROP		CROP		ROAD	CROP	CROP		CROP		OPEN	RIVER	CROP	ROAD	CROP		

PLAN
1" = 500'



ENVIRONMENTAL

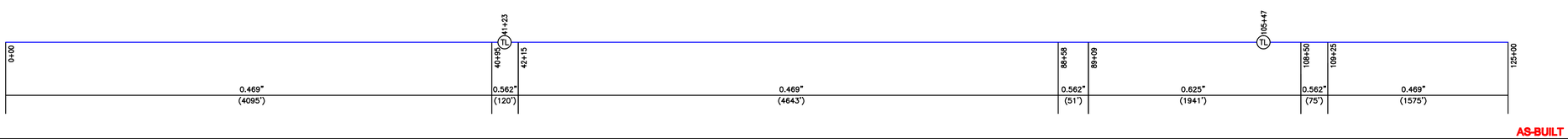
W-775A S-775A

CROSSING INFORMATION

0+00	US/CAN. BORDER
0+06	PROP. LINE
0+56	P.I. < 02°00'00" RT.
7+12	P.I. < 01°00'00" LT.
8+47	PROPERTY LINE
27+17	PROPERTY LINE
29+91	CROP LINE
30+29	PROPERTY LINE
41+12	ROAD R-O-W
41+53	CL 109TH ST NE
41+66	ROAD R-O-W
42+02	CROP LINE
46+17	CROP LINE
47+20	PROPERTY LINE
58+05	P.I. < 11°45'00" RT.
83+03	P.I. < 01°00'00" RT.
88+00	CROP LINE
70+04	ROAD R-O-W
70+17	WATER LINE
71+40	ROAD R-O-W
74+05	PROPERTY LINE
74+98	P.I. < 08°30'00" LT.
76+61	P.I. < 08°30'00" RT.
79+63	P.I. < 01°30'00" RT.
89+33	CROP LINE
89+55	PROPERTY LINE
91+93	EXIT WETLAND
96+28	TOP OF BANK
96+53	EDGE OF WATER
96+93	PEMBINA RIVER
97+15	EDGE OF WATER
97+55	TOP OF BANK
102+06	EXISTING 26" PIPELINE
103+38	EXISTING 34" PIPELINE
104+44	BURIED TELEPHONE LINE
104+55	EXISTING 20" PIPELINE
104+55	BURIED TELEPHONE LINE
104+70	ROAD R-O-W
105+09	SECTION LINE
105+48	CL 108TH ST NE
105+62	CROSS ROAD
105+62	EXISTING 16" PIPELINE
106+48	ROAD R-O-W
107+42	EXISTING 20" PIPELINE
108+67	P.I. < 10°03'36" LT.
108+74	P.I. < 10°03'36" LT.
111+18	P.I. < 05°00'00" RT.
119+12	PROPERTY LINE

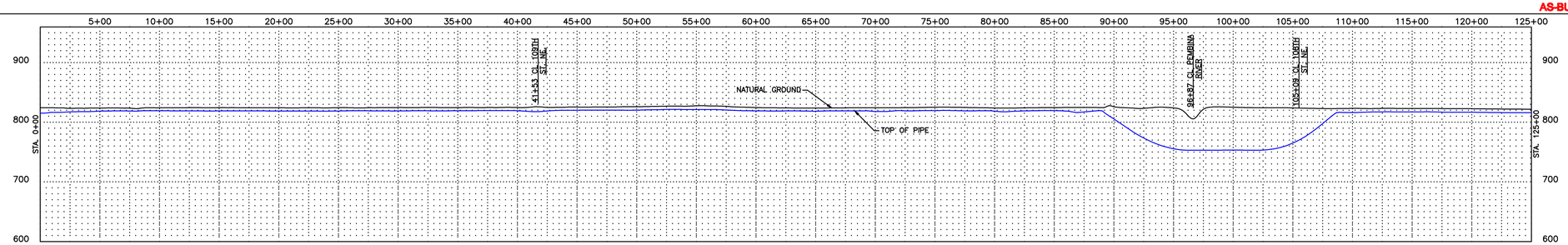
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



LEGEND

- INTERSTATE HIGHWAY
- US HIGHWAY
- STATE HIGHWAY
- CO. STATE AID HIGHWAYS
- COUNTY ROAD
- M. P. MARKER
- AERIAL M.P. MARKER
- CIVIL TOWNSHIP LINE
- FOREIGN PIPELINE
- SECTION LINES
- ROADS
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- BURIED POWER LINE
- OVERHEAD POWER LINE
- WATER LINE
- GAS LINE
- FIBER OPTIC CABLE LINE
- PROPERTY LINE
- RAILROADS
- WATER RIVERS, STREAMS, CREEKS, DITCHES
- ROCK SHIELD
- SET ON WEIGHTS
- CONCRETE COATING
- CASING
- MOV MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
(L.C.) – LAND CONTRACT
RRX – RAILROAD CROSSING
WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE-CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

	REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 773.7 TO MP 776.1
STA. 0+00 TO STA. 125+00
PEMBINA COUNTY, NORTH DAKOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16920-001	001

CROSSING INFORMATION

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API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER	T-1111	T-1110A	T-1110	T-1109-RX 147TH AVE NE	T-1109	T-1107C	T-1107	T-1105-RX 107TH ST NE	T-1105	T-1104	T-1103	T-1102-RX 148TH AVE NE	T-1102	T-1101-RX 106TH ST NE	T-1101
LAND USE	CROP	OPEN		ROAD		OPEN		ROAD		CROP		ROAD	CROP	ROAD	CROP

PLAN
1" = 500'



ENVIRONMENTAL

CROSSING INFORMATION

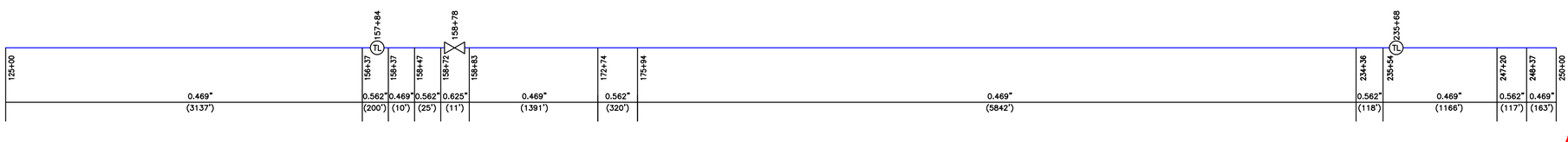
137+84	CROP LINE	156+43	WATER LINE
138+05	PROPERTY LINE	156+52	CROP LINE
139+07	PROPERTY LINE	156+67	BURIED TELEPHONE LINE
		156+69	ROAD R-O-W
		156+92	PROPERTY LINE
		157+02	BURIED ELECTRIC LINE
		157+04	TOE OF BANK
		157+22	CL 147th AVE NE
		157+37	CL DITCH
		157+42	SECTION LINE
		157+69	TOE OF BANK
		157+77	CROP LINE
		157+89	ROAD R-O-W
		159+79	PROPERTY LINE

170+85	TOE OF BANK	196+31	PROPERTY LINE
171+11	TOE OF BANK		
171+37	TOE OF BANK		
171+42	CROP LINE		
173+86	ROAD R-O-W		
173+88	ROAD R-O-W		
173+91	TOE OF BANK		
174+32	TOE OF BANK		
174+37	CENTER OF ASPHALT		
174+53	CL 107th ST NE		
174+56	SECTION LINE		
174+70	CENTER OF ASPHALT		
174+74	TOP OF BANK		
175+28	TOP OF BANK		
175+43	CROP LINE		
175+45	ROAD R-O-W		
175+56	BURIED TELEPHONE LINE		
175+62	BURIED TELEPHONE LINE		
176+93	PROPERTY LINE		

233+82	BURIED TELEPHONE LINE	247+28	CROP LINE
233+93	BURIED TELEPHONE LINE	247+67	SECTION LINE
234+38	CROP LINE	248+11	TOE OF BANK
234+40	TOE OF BANK	248+15	CROP LINE
234+51	ROAD R-O-W		
234+67	TOE OF BANK		
234+80	TOP OF BANK		
235+05	CL 148th AVE NE		
235+20	TOP OF BANK		
235+47	CL DITCH		
235+52	ROAD R-O-W		
235+68	TOE OF BANK		
235+88	CROP LINE		

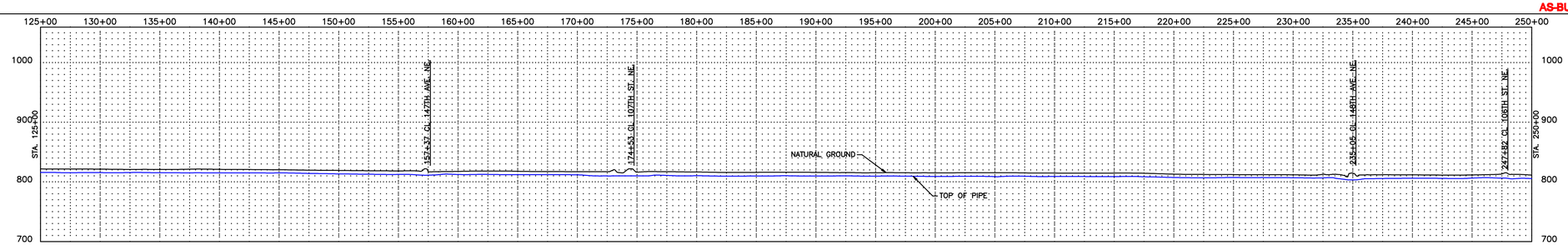
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FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 500'
VERTICAL: 1" = 100'



LEGEND

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- STATE HIGHWAY
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- AERIAL M.P. MARKER
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- BURIED PHONE LINE
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- OVERHEAD POWER LINE
- WATER LINE
- GAS LINE
- FIBER OPTIC CABLE LINE
- PROPERTY LINE
- RAILROADS
- WATER (RIVERS, STREAMS, CREEKS, DITCHES)
- ROCK SHIELD
- SET ON WEIGHTS
- CONCRETE COATING
- CASING
- MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
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WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
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GOPHER STATE ONE-CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 776.1 TO MP 778.5
STA. 125+00 TO STA. 250+00
PEMBINA COUNTY, NORTH DAKOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16921-002	002

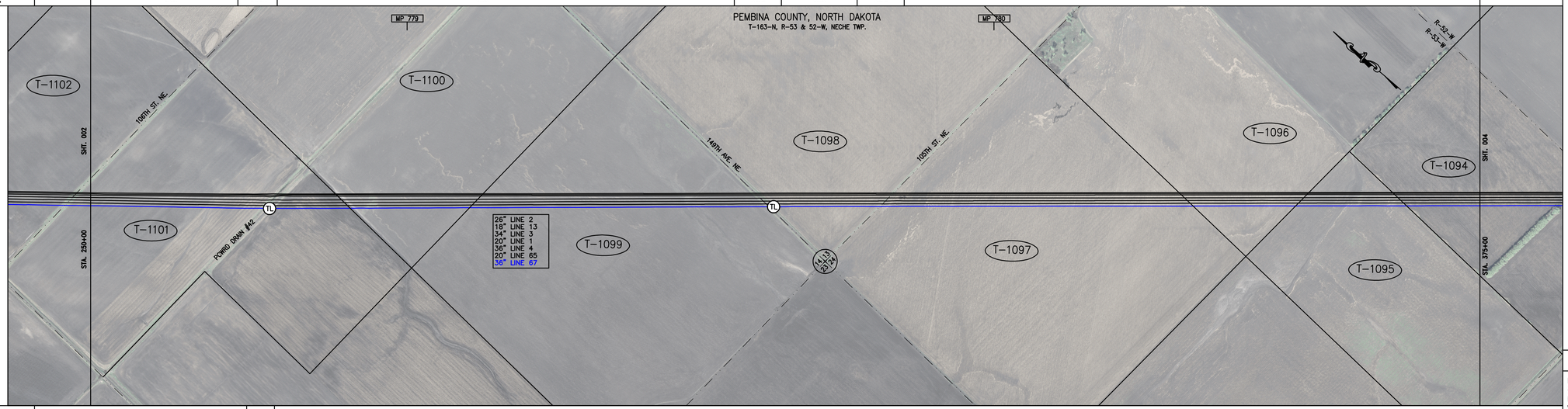
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-1101	T-1101-DD	T-1101	T-1100	T-1099	T-1098-RX 149TH AVE NE	T-1098	T-1097-RX 105TH ST NE	T-1097	T-1096	T-1095	T-1094	
LAND USE		CROP	DITCH	CROP			ROAD	CROP	ROAD	CROP				

PLAN
1" = 500'



ENVIRONMENTAL

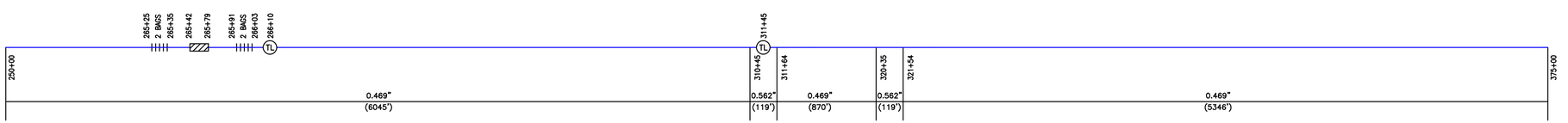
S-778A	

CROSSING INFORMATION

265+23	TOP OF BANK	
265+27	CROP LINE	
265+44	TOE OF BANK	
265+62	CL DITCH	
265+63	TOE OF BANK	CL POWRD DRAIN # 42
265+68	TOE OF BANK	
266+15	TOP OF BANK	
266+55	CROP LINE	
273+35	PROPERTY LINE	
284+11	PROPERTY LINE	
310+65	ROAD R-O-W	
310+75	TOP OF BANK	
310+82	CROP LINE	
310+87	TOP OF BANK	
310+91	SECTION LINE	149th AVE NE
311+03	TOE OF BANK	
311+17	TOP OF BANK	
311+51	ROAD R-O-W	
311+54	CROP LINE	
320+73	CROP LINE	
321+02	SECTION LINE	105th ST NE
321+10	CROP LINE	
321+08	CROP LINE	
349+20	PROPERTY LINE	
358+32	CROP LINE	
358+42	PROPERTY LINE	
368+29	CROP LINE	
368+40	PROPERTY LINE	

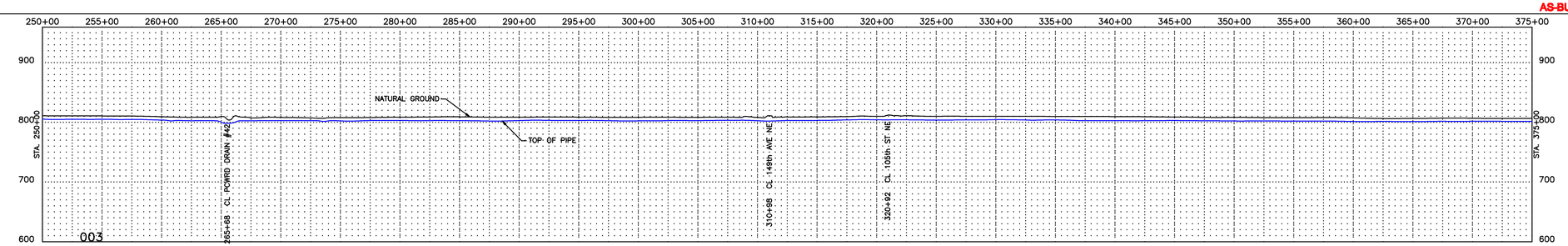
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 600'
VERTICAL: 1" = 100'



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NOTES:

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RX – ROAD CROSSING
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ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 778.5 TO MP 780.8
STA. 250+00 TO STA. 375+00
PEMBINA COUNTY, NORTH DAKOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16922-003	003

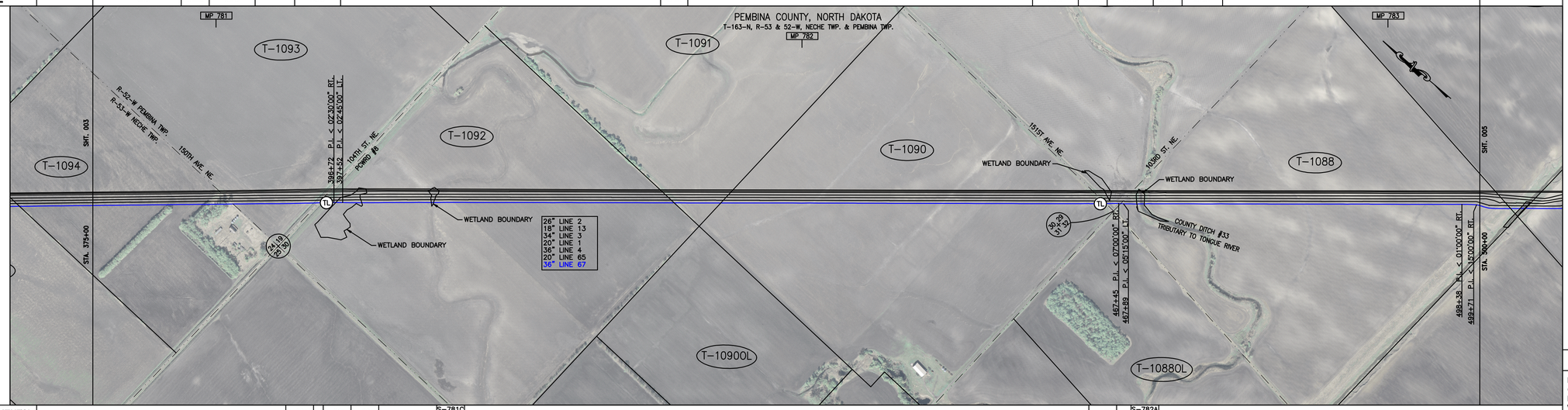
CROSSING INFORMATION

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TRACT NUMBER		T-1094		T-1093-RX 150TH AVE NE	T-1093	T-1092-RX 104TH ST NE	T-1092	T-1091	T-1090	T-1089-RX 151ST AVE NE	T-1089	T-1088-RX 103RD ST NE	T-1088	T-1088-DD	T-1088
LAND USE		CROP	TREES	ROAD		ROAD	CROP	OPEN	CROP	ROAD	OPEN	ROAD	OPEN	DITCH	CROP

PLAN
1" = 500'



ENVIRONMENTAL		S-781B	S-781A W-781A	S-781C W-781B	W-782A	S-782A W-782B

CROSSING INFORMATION

| | | |

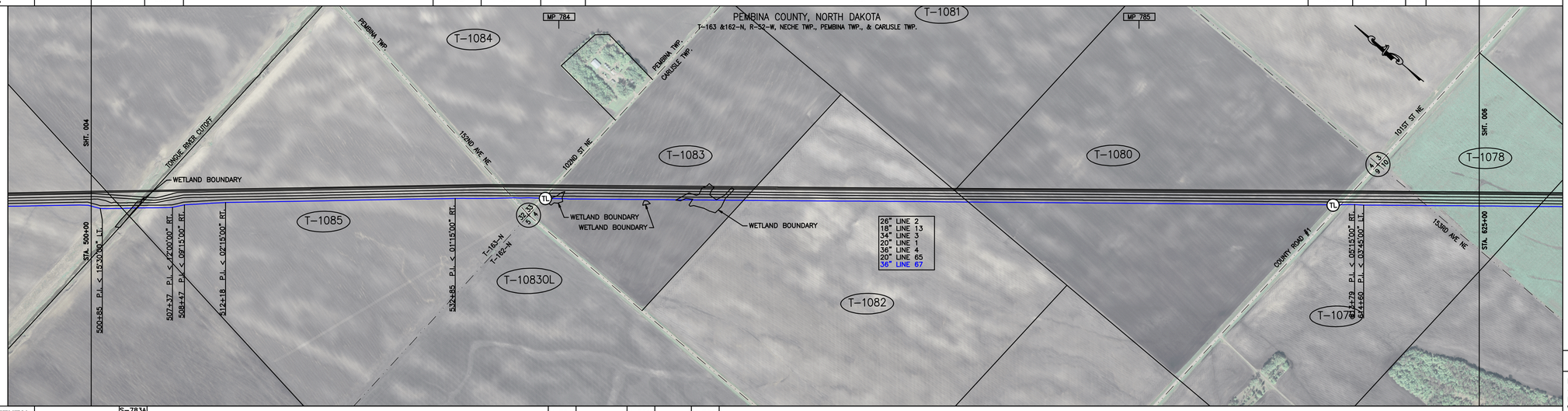
CROSSING INFORMATION

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API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-1088	T-1086	T-1085-DD	T-1085	T-1084A-RX 152ND AVE NE	T-1084A	T-1083-RX 102ND ST NE	T-1083	T-1082	T-1080	T-1079-RX 101ST ST NE	T-1079		T-1079-RX 153RD ST NE	
LAND USE		CROP		DITCH	CROP	ROAD	CROP	ROAD	CROP			ROAD	CROP	OPEN	CROP	

PLAN
1" = 500'



ENVIRONMENTAL

S-783A
W-783B
W-784A
W-784B
W-784C

CROSSING INFORMATION

500+85 P.I. < 15°30'00" LT.
501+44 CROP LINE
502+82 PROPERTY LINE
503+13 TOP OF BANK
503+45 EDGE OF WETLAND
503+68 EDGE OF WETLAND
503+75 EDGE OF WATER
503+89 CL TONGUE RIVER CUTOFF
503+89 EDGE OF WATER
503+89 TOE OF BANK
504+17 EDGE OF WETLAND
504+18 TOP OF BANK
504+18 PROPERTY LINE
505+00 CROP LINE

507+37 P.I. < 12°00'00" RT.
508+47 P.I. < 08°15'00" RT.
512+18 P.I. < 02°15'00" RT.

532+85 P.I. < 01°15'00" RT.

537+26 CROP LINE
537+41 POWER-PO ELECTRIC
537+45 TOP OF BANK
537+55 CL DITCH
537+78 CL 152ND AVE NE
537+96 SECTION LINE
538+05 TOE OF BANK
538+35 EDGE OF WETLAND
538+45 ROAD R-O-W
538+52 CROP LINE TELEPHONE LINE
538+52 ROAD R-O-W
540+24 CROP LINE
540+27 POWER-PO ELECTRIC
540+29 TOP OF BANK
540+49 CL DITCH
540+74 CL 102nd ST NE
540+83 SECTION LINE
540+97 TOE OF BANK
541+16 EDGE OF WETLAND
541+45 ROAD R-O-W
542+76 EDGE OF WETLAND
552+76 EDGE OF WETLAND
553+29 EDGE OF WETLAND

554+18 EDGE OF WETLAND

557+08 EDGE OF WETLAND

558+79 PROPERTY LINE
558+89 CROP LINE

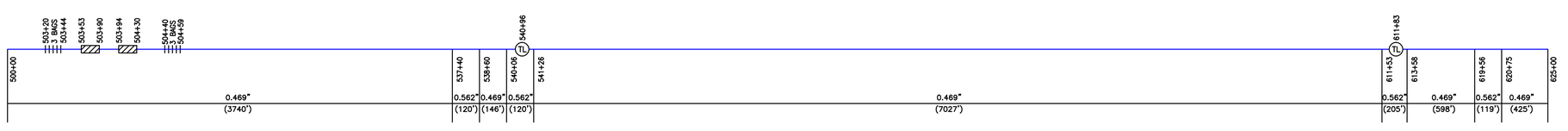
578+82 CROP LINE
579+01 PROPERTY LINE

611+64 ROAD R-O-W
611+78 CROP LINE
612+00 CL DITCH
612+03 CL COUNTY ROAD
612+51 EDGE OF ROAD
613+15 CL DITCH
613+42 ROAD R-O-W
614+60 P.I. < 02°45'00" LT.

619+69 ROAD R-O-W
620+09 CROP LINE
620+15 CL 153RD AVE NE
620+27 SECTION LINE
620+47 ROAD R-O-W
625+71 ROAD R-O-W

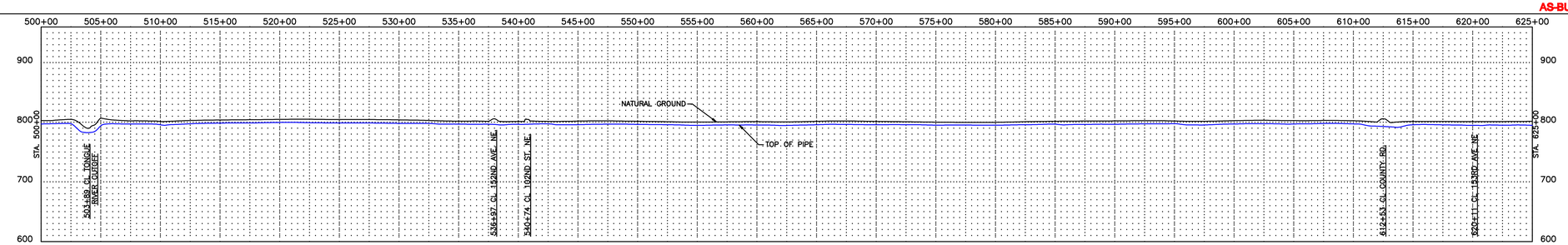
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- REPAIR SLEEVE
- R — RECTIFIER
- WELD PLUS
- TL — TEST LEAD

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800 400 300 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS–BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 783.2 TO MP 785.6
STA. 500+00 TO STA. 625+00
PEMBINA COUNTY, NORTH DAKOTA

DRAWING NUMBER	ROUTE SHEET
D–67–5.92–16924–005	005

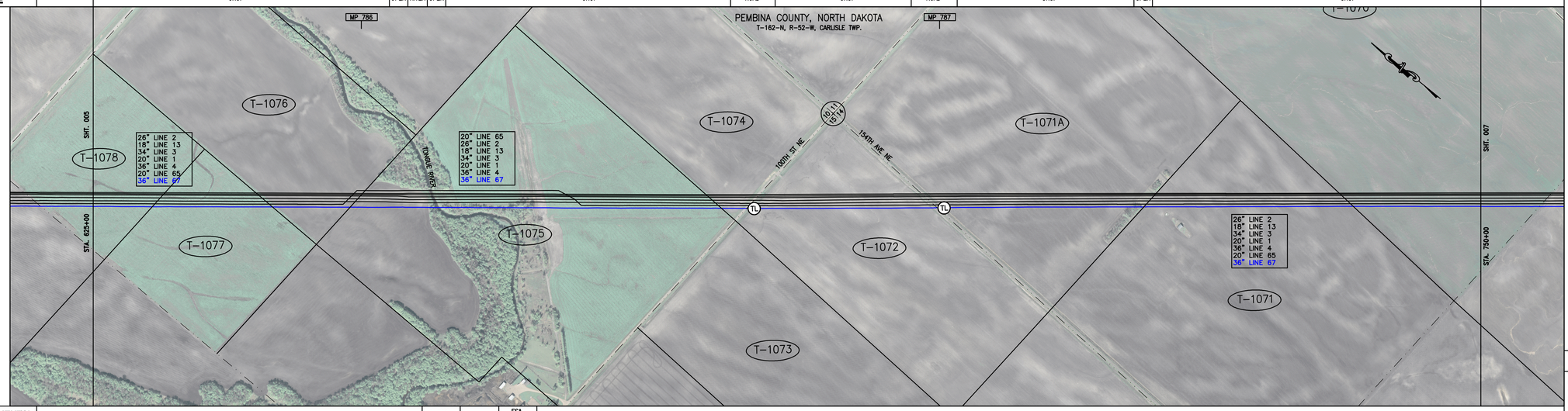
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER	T-1078	T-1077	T-1076	T-1075	T-1074	T-1072-RX 100TH ST NE	T-1072	T-1071A-RX 154TH AVE NE	T-1071A	T-1071	T-1070
LAND USE	CROP			OPEN RIVER OPEN	CROP	ROAD	CROP	ROAD	CROP	OPEN	CROP

PLAN
1" = 500'



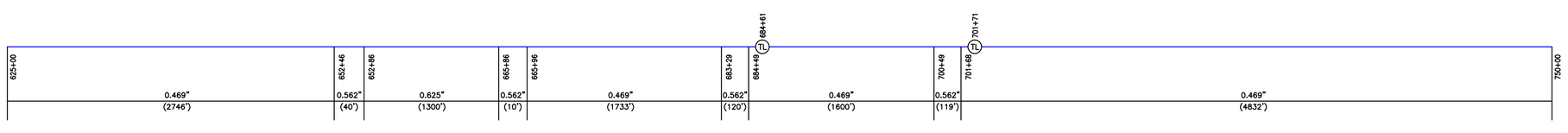
ENVIRONMENTAL		S-786A		ESA #786.2

CROSSING INFORMATION

630+32 PROPERTY LINE
641+14 PROPERTY LINE
641+55 CROP LINE
648+12 PROPERTY LINE
655+56 TOP OF BANK
655+98 EDGE OF WATER
656+05 CL TONGUE RIVER
656+10 EDGE OF WATER
656+46 TOP OF BANK
680+22 BURIED TELEPHONE
681+66 PROPERTY LINE
683+32 CROP LINE
683+42 ROAD R-O-W
683+52 CL DITCH
683+78 EDGE OF ROAD
683+82 CL 100th ST NE
683+93 SECTION LINE
684+05 EDGE OF ROAD
684+07 ROAD R-O-W
684+39 CL DITCH
684+65 CROP LINE
700+37 CROP LINE
700+61 TOP OF BANK
700+71 ROAD R-O-W
701+09 CL DITCH
701+11 CL 154th AVE NE
701+51 EDGE OF ROAD
701+52 CL DITCH
701+65 ROAD R-O-W
701+66 TOP OF BANK
701+72 CROP LINE
719+69 PROPERTY LINE
738+55 PROPERTY LINE

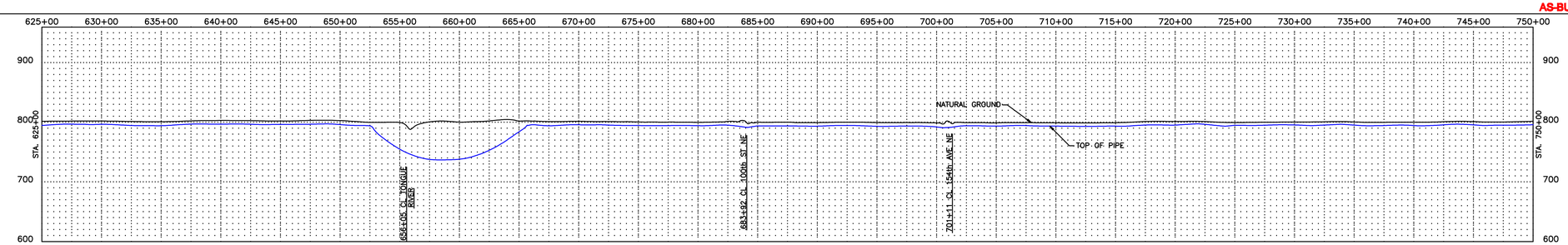
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 600'
VERTICAL: 1" = 100'



LEGEND

- INTERSTATE HIGHWAY
- US HIGHWAY
- STATE HIGHWAY
- CO. STATE AID HIGHWAYS
- COUNTY ROAD
- M. P. MARKER
- AERIAL M.P. MARKER
- CIVIL TOWNSHIP LINE
- FOREIGN PIPELINE
- SECTION LINES
- ROADS
- BURIED PHONE LINE
- BURIED POWER LINE
- OVERHEAD POWER LINE
- WATER LINE
- GAS LINE
- FIBER OPTIC CABLE LINE
- PROPERTY LINE
- RAILROADS
- WATER RIVERS, STREAMS, CREEKS, DITCHES
- ROCK SHIELD
- SET ON WEIGHTS
- CONCRETE COATING
- CASING
- MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
(L.C.) – LAND CONTRACT
RRX – RAILROAD CROSSING
WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE-CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 785.6 TO MP 787.9
STA. 625+00 TO STA. 750+00
PEMBINA COUNTY, NORTH DAKOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16925-006	006

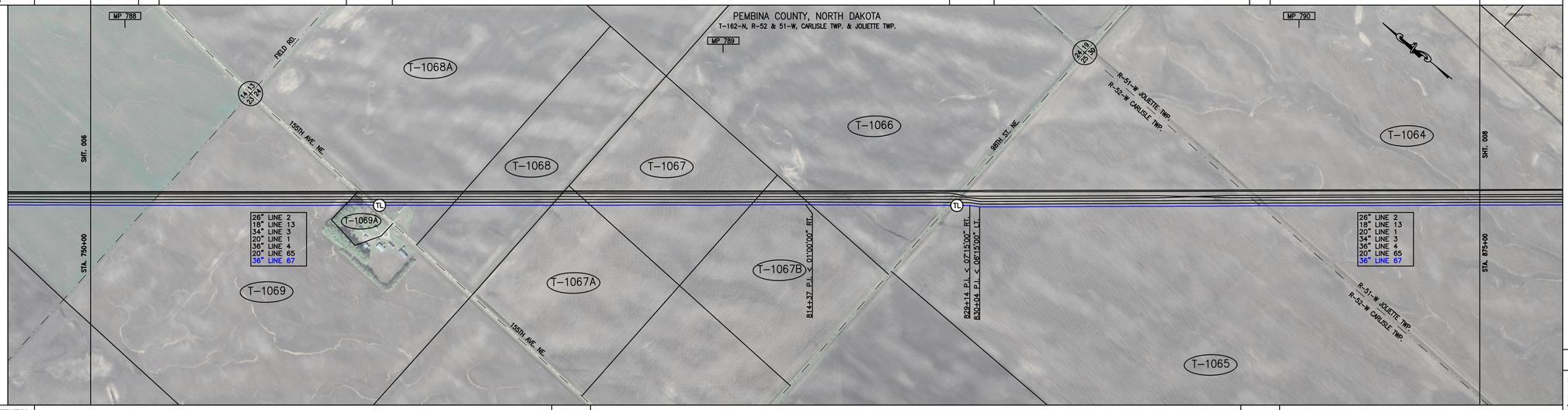
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER	T-1070	T-1069	T-1069A	T-1068-RX 155TH AVE NE	T-1068A	T-1068	T-1067A	T-1067	T-1067B	T-1066	T-1065-RX 98TH ST NE	T-1065	T-1064
LAND USE	CROP / OPEN	CROP		ROAD	CROP						ROAD	CROP / OPEN	CROP

PLAN
1" = 500'



ENVIRONMENTAL S-788A S-790B

CROSSING INFORMATION

| | | | | | |

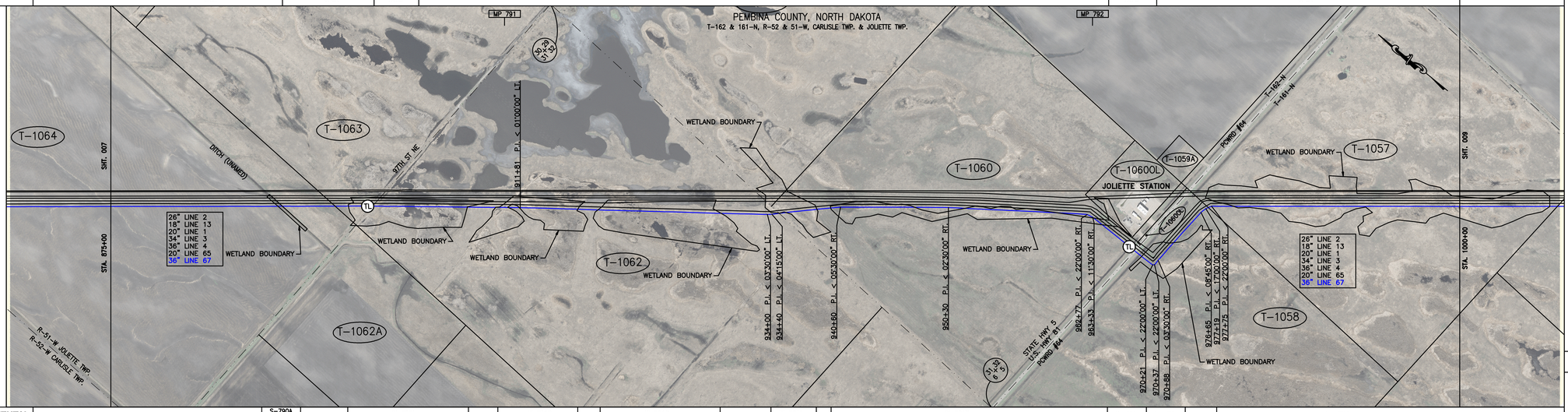
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-1064	T-1063	T-1062-RX 97TH ST NE	T-1062	T-1060	T-1058-RX STATE HWY 5	T-1058	T-1057	
LAND USE		CROP	OPEN	ROAD	OPEN		ROAD	OPEN		

PLAN
1" = 500'



ENVIRONMENTAL

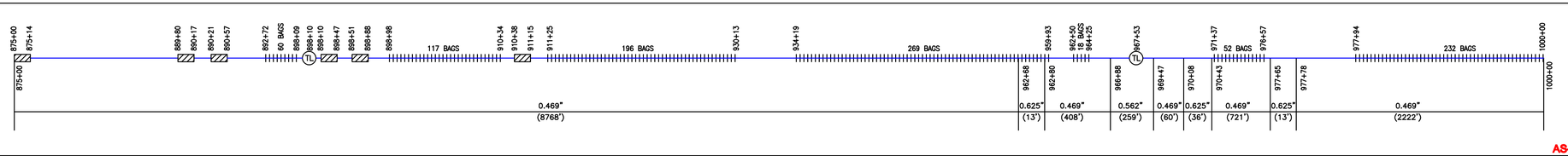
S-790A W-790B	W-790A	W-791D	W-791C	W-791A	W-791B	S-792A	W-792A	W-792B		

CROSSING INFORMATION

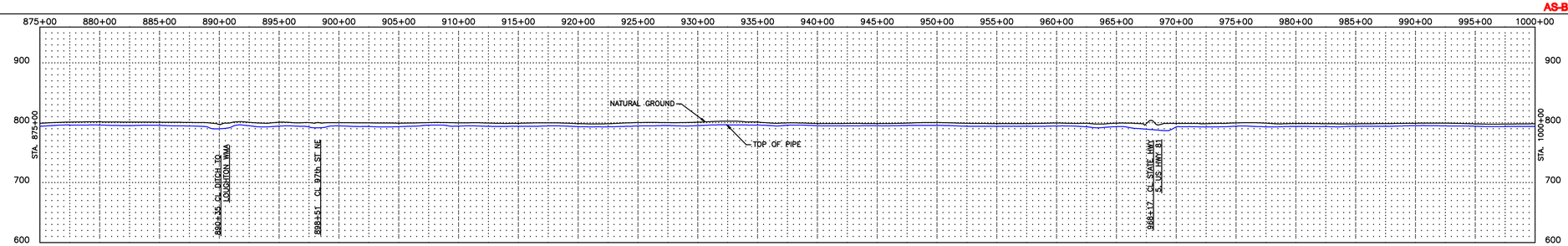
885+14 CROP LINE	889+88 CROP LINE	890+14 EDGE OF WETLAND	890+25 TOP OF BANK (UNNAMED)	890+45 BOTTOM OF DITCH	890+56 TOP OF BANK	896+19 PROPERTY LINE	896+38 EDGE OF WETLAND	898+07 ROAD R-O-W	898+14 TOP OF BANK	898+34 TOP OF BANK
898+44 CL DITCH (UNNAMED)	898+54 CL OF ST NE	898+55 PROPERTY LINE	898+58 EDGE OF ROAD	898+70 EDGE OF BANK	898+83 CL DITCH (UNNAMED)	898+96 TOP OF BANK	899+06 FENCE	899+08 CROP LINE	907+06 EDGE OF WETLAND	909+76 EDGE OF WETLAND
910+72 EDGE OF WETLAND	911+81 P.I. < 01°00'00" LT.	916+97 EDGE OF WETLAND	918+78 EDGE OF WETLAND	929+86 EDGE OF WETLAND	934+00 P.I. < 03°30'00" LT.	934+40 P.I. < 04°15'00" LT.	935+06 PROPERTY LINE	935+08 SECTION LINE	935+88 EDGE OF WETLAND	936+43 EDGE OF WETLAND
939+72 EDGE OF WETLAND	940+60 P.I. < 05°30'00" RT.	947+27 EDGE OF WETLAND	950+30 P.I. < 02°30'00" RT.	951+77 EDGE OF WETLAND	960+10 EDGE OF WETLAND	962+77 P.I. < 22°00'00" RT.	963+33 P.I. < 11°30'00" RT.	964+41 EDGE OF WETLAND	965+00 BURIED TELEPHONE LINE	967+16 ROAD R-O-W
967+18 TOP OF BANK	967+53 BURIED TELEPHONE LINE	967+83 CL DITCH	968+02 EDGE OF ROAD	968+17 SECTION LINE	968+29 EDGE OF ROAD	968+34 TOP OF BANK	968+74 CL DITCH	968+85 EDGE OF WETLAND	969+05 TOP OF BANK	969+16 ROAD R-O-W
970+21 P.I. < 22°00'00" LT.	970+37 P.I. < 22°00'00" RT.	970+88 P.I. < 03°30'00" RT.	971+37 WATER LINE	972+89 EDGE OF WETLAND	973+03 EDGE OF WETLAND	976+65 P.I. < 08°45'00" RT.	977+19 P.I. < 22°00'00" RT.	977+25 P.I. < 22°00'00" RT.	977+73 EDGE OF WETLAND	

36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



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- AERIAL M.P. MARKER
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- CONCRETE COATING
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- MOV MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TL TEST LEAD

NOTES:

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WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE-CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 790.3 TO MP 792.7
STA. 875+00 TO STA. 1000+00
PEMBINA COUNTY, NORTH DAKOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16927-008	008

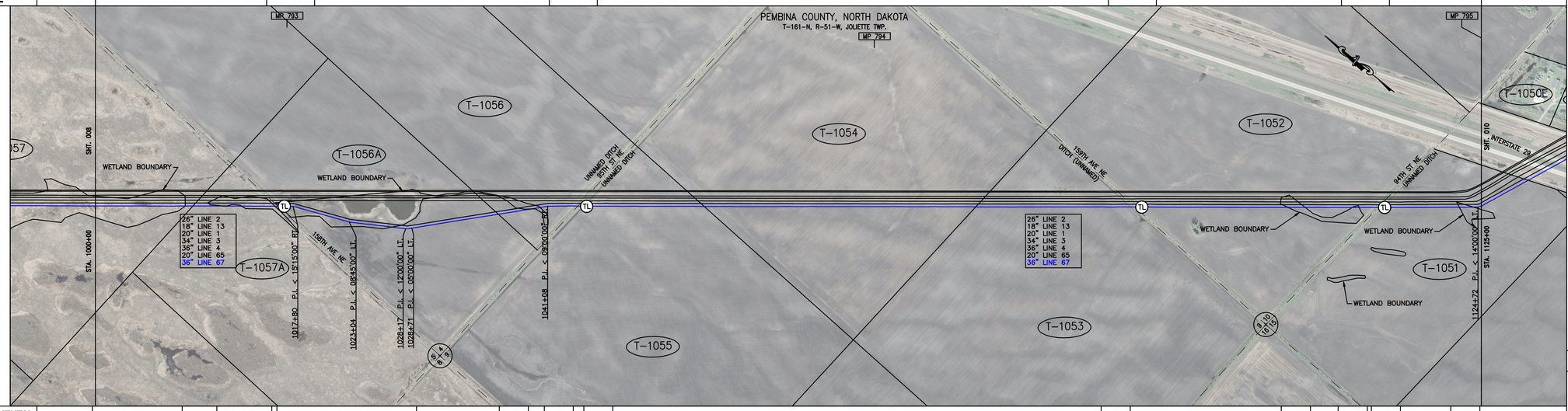
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-1057	T-1057A	T-1056A-RX 158TH AVE NE	T-1056A	T-1056	T-1055-RX 95TH ST NE	T-1055	T-1054	T-1053	T-1052-RX 159TH AVE NE	T-1052	T-1051-RX 94TH ST NE	T-1051	
LAND USE		OPEN		ROAD	CROP		ROAD	CROP			ROAD	CROP	ROAD	CROP	

PLAN
1" = 500'



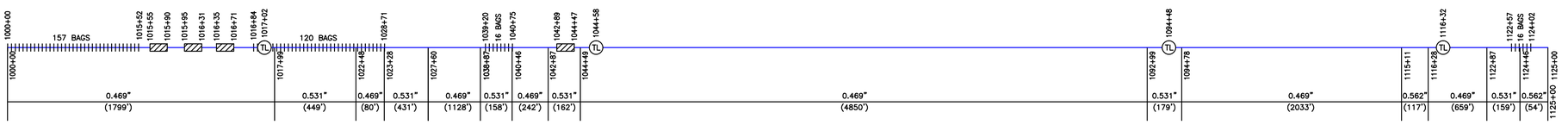
ENVIRONMENTAL		W-792B		W-792C	W-793A		W-793A	S-793B	S-793A		S-794A		W-794A	W-794A	S-794B		W-795A

CROSSING INFORMATION

1008+11 EDGE OF WETLAND
1008+81 PROPERTY LINE
1013+19 EDGE OF WETLAND
1013+96 TOP OF BANK
1015+96 CL DITCH
1016+21 ROAD R-O-W
1016+43 TOP OF BANK
1016+44 PROPERTY LINE
1016+52 CL 158th AVE NE
1016+52 EDGE OF WETLAND
1016+61 EDGE OF WETLAND
1016+84 TOP OF BANK
1017+03 CL DITCH
1017+12 ROAD R-O-W
1017+80 TOP OF BANK
1017+80 CROP LINE
1017+80 P.I. < 15°15'00" RT.
1023+04 P.I. < 08°45'00" LT.
1028+91 EDGE OF WETLAND
1028+17 P.I. < 12°00'00" LT.
1028+71 P.I. < 05°00'00" LT.
1036+58 PROPERTY LINE
1039+66 EDGE OF WETLAND
1040+39 EDGE OF WETLAND
1041+08 P.I. < 09°00'00" RT.
1043+11 CROP LINE
1043+12 ROAD R-O-W
1043+52 CL DITCH (UNNAMED)
1043+79 EDGE OF ROAD
1043+88 SECTION LINE
1043+97 CL 95th ST NE
1044+10 TOP OF BANK
1044+39 CL DITCH (UNNAMED)
1044+55 TOP OF BANK
1044+60 CROP LINE
1055+15 PROPERTY LINE
1073+51 CL DITCH
1079+56 PROPERTY LINE
1093+23 CROP LINE
1093+30 TOP OF BANK
1093+42 CL DITCH (UNNAMED)
1093+76 EDGE OF ROAD
1093+86 SECTION LINE
1093+99 CL 94th ST NE
1094+08 TOP OF BANK
1094+35 ROAD R-O-W
1094+48 CROP LINE
1107+63 EDGE OF WETLAND
1109+18 EDGE OF WETLAND
1113+41 EDGE OF WETLAND
1114+03 EDGE OF WETLAND
1115+28 TOP OF BANK
1115+29 ROAD R-O-W
1115+62 EDGE OF ROAD
1115+75 SECTION LINE
1115+85 EDGE OF ROAD
1115+95 CL DITCH (UNNAMED)
1116+21 ROAD R-O-W
1116+31 TOP OF BANK
1116+32 CROP LINE
1123+02 EDGE OF WETLAND
1124+30 EDGE OF WETLAND
1124+72 P.I. < 14°00'00" LT.

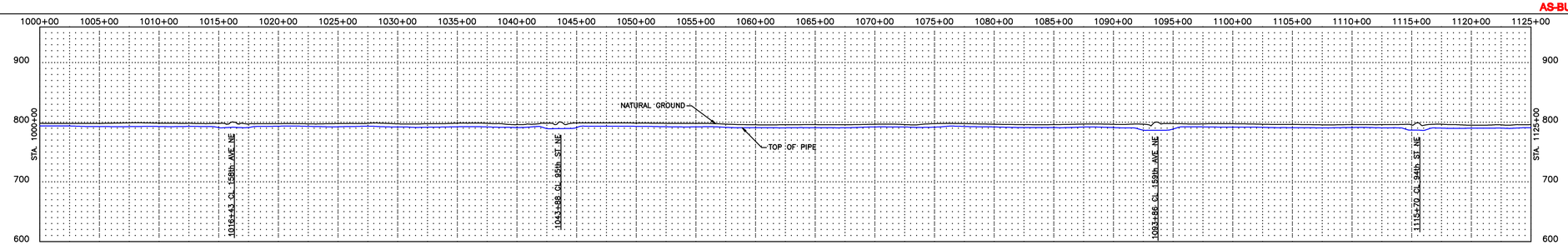
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



LEGEND

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NOTES:

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WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE–CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

	REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 792.7 TO MP 795.0
STA. 1000+00 TO STA. 1125+00
PEMBINA COUNTY, NORTH DAKOTA

DRAWING NUMBER	ROUTE SHEET
D-67-59.2-16928-009	009

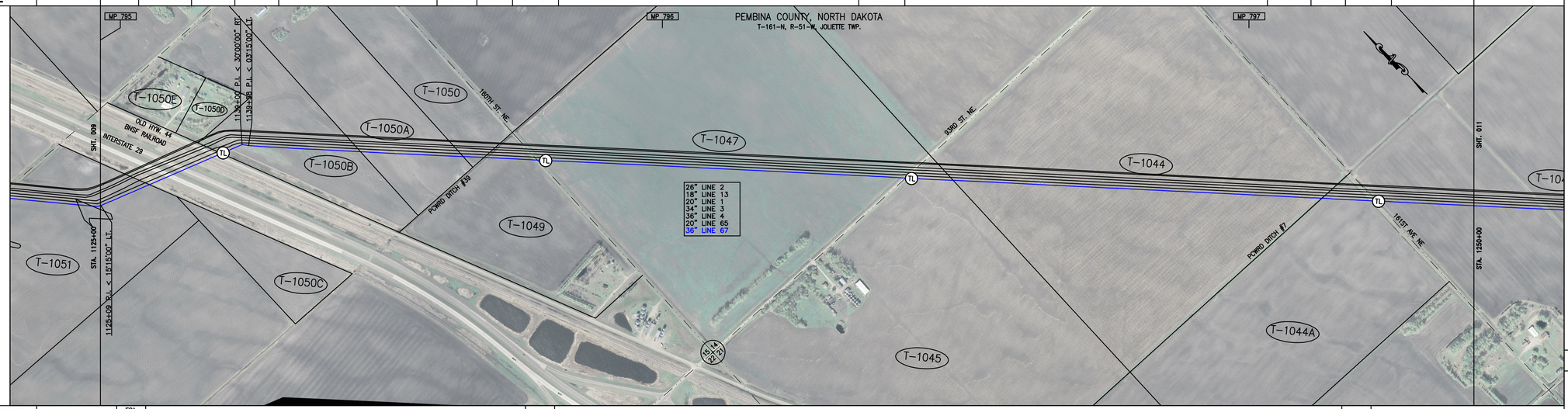
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-1051	T-1050B-1-RX I-29	T-1050B-RR R.R. R-O-W	T-1050B-RX OLD HWY 44	T-1050B	T-1050A	T-1050	T-1049-DD	T-1049	T-1047-RX 160TH AVE NE	T-1067	T-1045-RX 93RD ST NE	T-1045	T-1044	T-1044A-DD	T-1044A	T-1043-RX 161ST AVE NE	T-1043	
LAND USE		CROP	ROAD	RAILROAD	ROAD	CROP			DITCH	CROP	ROAD	CROP	ROAD	CROP		DITCH	CROP	ROAD	CROP	

PLAN
1" = 500'



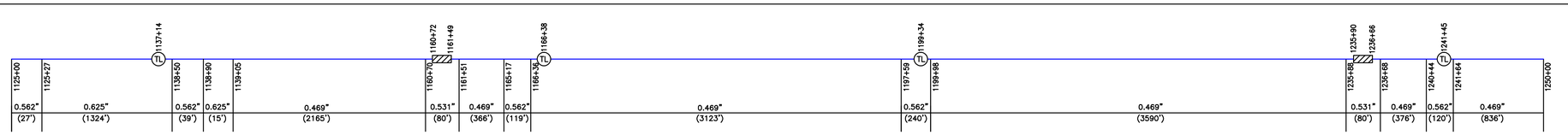
ENVIRONMENTAL		ESA #795.2		S-795A		S-797A	

CROSSING INFORMATION

1125+09 P.I. < 15°15'00" LT.
1129+81 CROP LINE
1129+86 PROPERTY LINE
1131+88 CL INTERSTATE 29(SOUTH BND.)
1132+35 CL INTERSTATE 29(NORTH BND.)
1133+35 CL BNSF RAILROAD
1136+49 CL OLD HWY 44
1136+99 PROPERTY LINE
1137+69 CROP LINE
1137+69 BURIED TELEPHONE LINE
1137+98 BURIED TELEPHONE LINE
1138+17 BURIED TELEPHONE LINE
1138+50 CROP LINE
1139+36 P.I. < 03°15'00" LT.
1149+68 PROPERTY LINE
1158+93 PROPERTY LINE
1160+77 TOP OF BANK
1160+82 PROPERTY LINE
1161+05 CL POWRD DITCH #39
1164+93 WATER LINE
1165+14 CROP LINE
1165+19 R.O.-W
1165+29 CL DITCH
1165+35 EDGE OF ROAD
1165+49 CL 160th AVE. NE
1165+67 TOP OF BANK
1165+88 CL DITCH
1166+11 ROAD R.O.-W
1166+22 TOP OF BANK
1166+33 CROP LINE
1198+01 WATER LINE
1198+12 CROP LINE
1198+17 OVERHEAD ELECTRIC
1198+34 ROAD R.O.-W
1198+35 TOP OF BANK
1198+59 EDGE OF STONE
1198+78 CL 93rd ST. NE
1198+81 SECTION LINE
1198+89 EDGE OF ROAD
1198+99 TOP OF BANK
1199+23 CL DITCH
1199+33 ROAD R.O.-W
1199+44 TOP OF BANK
1199+54 BURIED TELEPHONE LINE
1203+10 PROPERTY LINE
1235+88 TOP OF BANK
1236+06 CL POWRD DITCH #7
1236+31 TOP OF BANK
1236+37 CROP LINE
1236+68 OVERHEAD ELECTRIC LINE
1236+81 CROP LINE
1237+41 TOP OF BANK
1240+41 CL DITCH
1240+53 ROAD R.O.-W
1240+57 TOP OF BANK
1240+63 EDGE OF ROAD
1240+93 CL 161st AVE. NE
1241+12 EDGE OF ROAD
1241+19 TOP OF BANK
1241+19 SECTION LINE
1241+21 TOP OF BANK
1241+31 CL DITCH
1241+41 ROAD R.O.-W
1241+45 TOP OF BANK
1241+64 CROP LINE
1241+91 WATER LINE

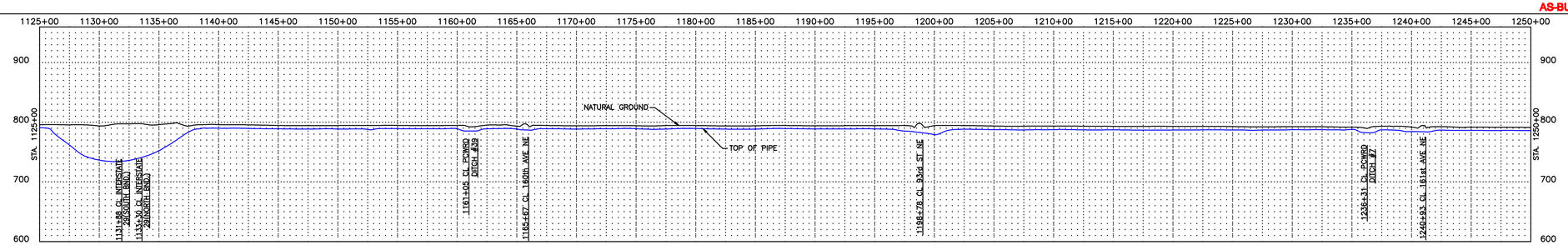
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



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NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 300 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 795.0 TO MP 797.4
STA. 1125+00 TO STA. 1250+00
PEMBINA COUNTY, NORTH DAKOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16929-010	010

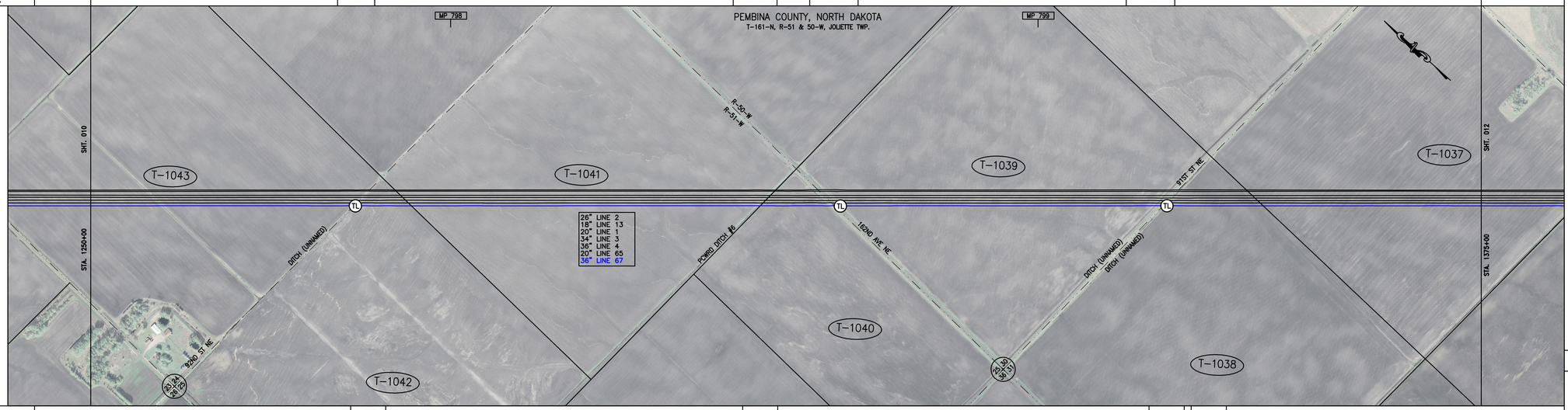
CROSSING INFORMATION

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API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER	T-1043	T-1042-RX 92ND ST NE	T-1042	T-1041	T-1040-DD	T-1040	T-1039-RX 162ND AVE NE	T-1039	T-1038-RX 91ST ST NE	T-1038	T-1037
LAND USE		ROAD	CROP		DITCH	CROP	ROAD	CROP	ROAD	CROP	

PLAN
1" = 500'



ENVIRONMENTAL

	S-797B		S-798A		S-799C	S-799B	

CROSSING INFORMATION

1273+22 ROAD R-O-W
1273+50 TOP OF BANK
1273+67 CL DITCH
1273+69 SECTION LINE
1273+69 TOP OF BANK
1273+81 TOP OF BANK
1274+19 ROAD R-O-W
1278+66 PROPERTY LINE
1278+91 CROP LINE

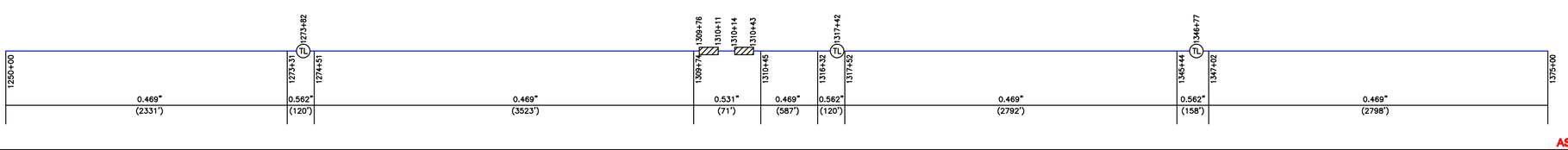
1308+37 CL DITCH
1309+72 TOP OF BANK
1309+88 TOP OF BANK
1310+12 CL POWRD DITCH #6
1310+39 TOP OF BANK
1310+41 TOP OF BANK
1316+18 CROP LINE
1316+26 CL DITCH
1316+33 ROAD R-O-W
1316+48 TOP OF ROAD
1316+58 EDGE OF ROAD
1316+80 CL 162nd AVE NE
1316+86 EDGE OF ROAD
1316+96 TOP OF BANK
1317+22 ROAD R-O-W
1317+29 CL DITCH
1317+39 TOP OF BANK
1317+54 CROP LINE

1345+36 CROP LINE
1345+46 TOP OF BANK
1345+59 CL DITCH (UNNAMED)
1345+75 TOP OF BANK
1346+01 TOP OF BANK
1346+31 TOP OF BANK
1346+41 SECTION LINE
1346+42 CL DITCH (UNNAMED)
1346+58 CROP LINE
1346+83 ROAD R-O-W
1346+62

1355+43 PROPERTY LINE

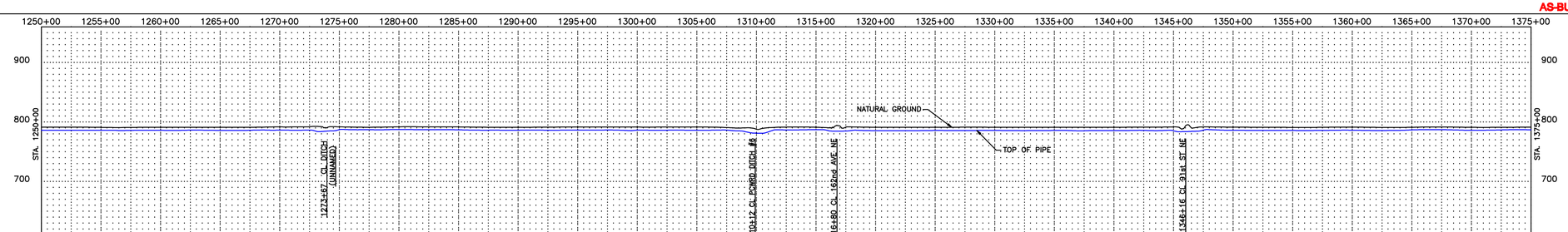
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



LEGEND

- INTERSTATE HIGHWAY
- US HIGHWAY
- STATE HIGHWAY
- CO. STATE AID HIGHWAYS
- COUNTY ROAD
- M. P. MARKER
- AERIAL M.P. MARKER
- CIVIL TOWNSHIP LINE
- FOREIGN PIPELINE
- SECTION LINES
- ROADS
- BURIED PHONE LINE
- BURIED POWER LINE
- OVERHEAD POWER LINE
- WATER LINE
- GAS LINE
- FIBER OPTIC CABLE LINE
- PROPERTY LINE
- RAILROADS
- WATER (RIVERS, STREAMS, CREEKS, DITCHES)
- ROCK SHIELD
- SET ON WEIGHTS
- CONCRETE COATING
- CASING
- MOV MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
(L.C.) – LAND CONTRACT
RRX – RAILROAD CROSSING
WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE-CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 797.4 TO MP 799.8
STA. 1250+00 TO STA. 1375+00
PEMBINA COUNTY, NORTH DAKOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16930-011	011

CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

| | | |

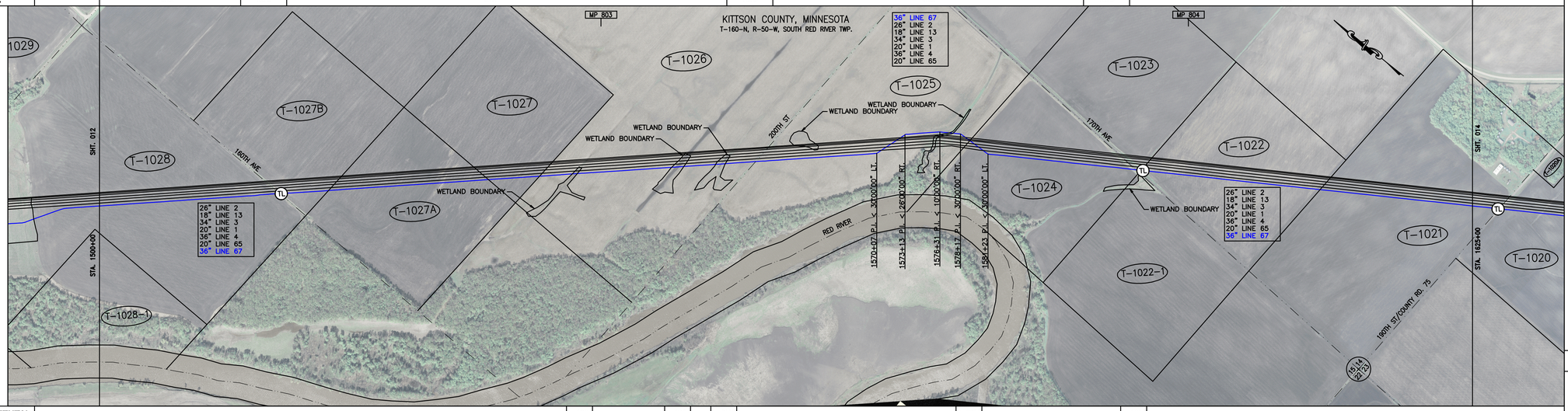
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-1028	T-1027B-RX 160TH AVE	T-1027B	T-1027A	T-1027	T-1026	T-1025-RX 200TH ST	T-1025	T-1024	T-1023-RX 170TH ST	T-1023	T-1022	T-1021	
LAND USE		CROP	ROAD	ROAD	CROP			ROAD	CROP		ROAD	CROP			

PLAN
1" = 500'



ENVIRONMENTAL

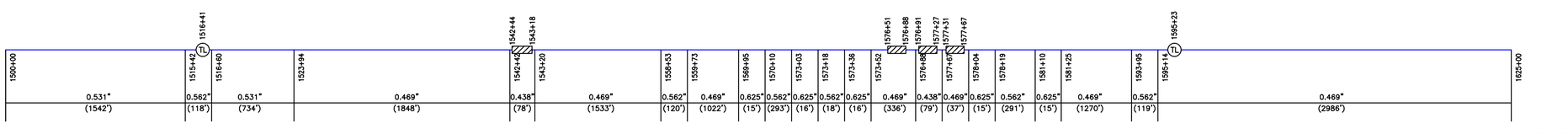
W-802A | W-803A | W-803B | W-803E | W-803D

CROSSING INFORMATION

1515+57	ROAD R-O-W	1570+07	P.I. < 30°00'00" LT.
1516+14	160th AVE	1570+56	EXISTING 20" PIPELINE
1516+18	TOP OF BANK	1570+80	EXISTING 26" PIPELINE
1516+26	SECTION LINE	1571+61	EXISTING 34" PIPELINE
1516+37	CL DITCH	1572+19	EXISTING 18" PIPELINE
1516+53	ROAD R-O-W	1572+65	EXISTING 36" PIPELINE
1520+67	PROPERTY LINE	1573+13	P.I. < 28°00'00" RT.
1535+08	PROPERTY LINE	1576+31	P.I. < 10°00'00" RT.
1539+69	PROPERTY LINE	1577+15	EDGE OF WETLAND
1539+79	CROP LINE	1577+50	CL DITCH
1542+63	EDGE OF WETLAND	1577+80	EDGE OF WETLAND
1542+88	CL DITCH	1578+17	P.I. < 30°00'00" RT.
1543+08	EDGE OF WETLAND	1578+95	EXISTING 20" PIPELINE
1551+58	EDGE OF WETLAND	1579+10	EXISTING 26" PIPELINE
1552+24	CL DITCH	1579+27	PROPERTY LINE
1552+68	EDGE OF WETLAND	1579+56	CROP LINE
1555+56	EDGE OF WETLAND	1579+61	EXISTING 34" PIPELINE
1556+13	CL DITCH	1580+16	EXISTING 18" PIPELINE
1556+42	EDGE OF WETLAND	1580+70	EXISTING 36" PIPELINE
1558+69	ROAD R-O-W	1581+22	P.I. < 30°00'00" LT.
1559+14	CL 200th ST	1593+94	CROP LINE
1559+16	SECTION LINE	1594+02	ROAD R-O-W
1559+62	ROAD R-O-W	1594+22	CL DITCH
		1594+45	TOP OF BANK
		1594+64	CL 170th AVE
		1594+80	TOP OF BANK
		1595+04	CL DITCH
		1595+05	PROPERTY LINE
		1595+16	ROAD R-O-W
		1595+26	CROP LINE
		1610+90	CROP LINE
		1611+25	PROPERTY LINE

36" LINE MATERIALS

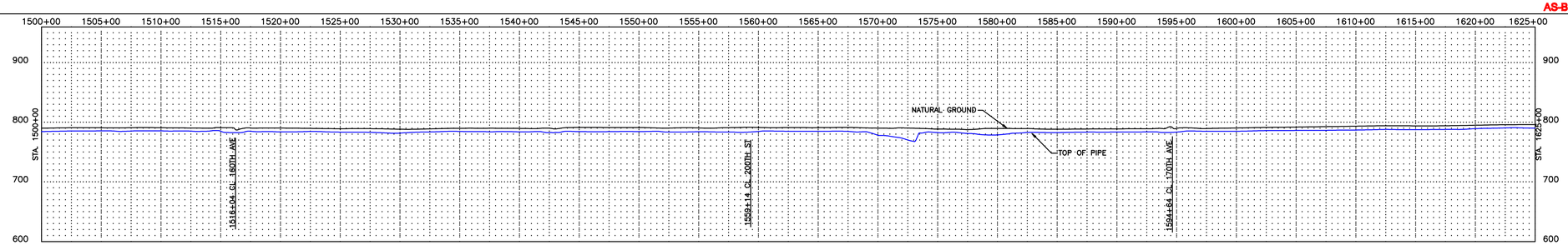
ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'

1559+14 C/L ROAD



LEGEND

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- CO. STATE AID HIGHWAYS
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- AERIAL M.P. MARKER
- CIVIL TOWNSHIP LINE
- FOREIGN PIPELINE
- SECTION LINES
- ROADS
- BURIED PHONE LINE
- BURIED POWER LINE
- OVERHEAD POWER LINE
- WATER LINE
- GAS LINE
- FIBER OPTIC CABLE LINE
- PROPERTY LINE
- RAILROADS
- WATER RIVERS, STREAMS, CREEKS, DITCHES
- ROCK SHIELD
- SET ON WEIGHTS
- CONCRETE COATING
- CASING
- MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
(L.C.) – LAND CONTRACT
RRX – RAILROAD CROSSING
WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE-CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

	REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 300 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 802.1 TO MP 804.5
STA. 1500+00 TO STA. 1625+00
KITTSON COUNTY, MINNESOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16932-013	013

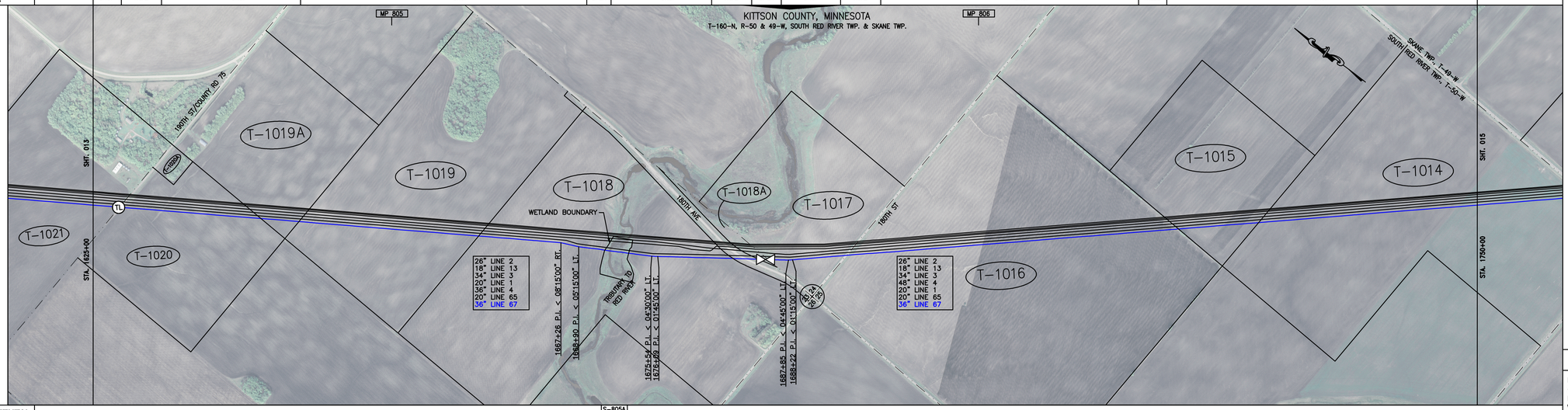
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-1021	T-1020-RX 190TH ST	T-1020	T-1019A	T-1019	T-1018	T-1017-RX 180TH AVE	T-1018A	T-1017	T-1016-RX 180TH ST	T-1016	T-1015	T-1014	
LAND USE		CROP	ROAD	CROP		CROP	OPEN / CROP	ROAD	OPEN	CROP	ROAD	CROP / TREES	CROP		

PLAN
1" = 500'



ENVIRONMENTAL

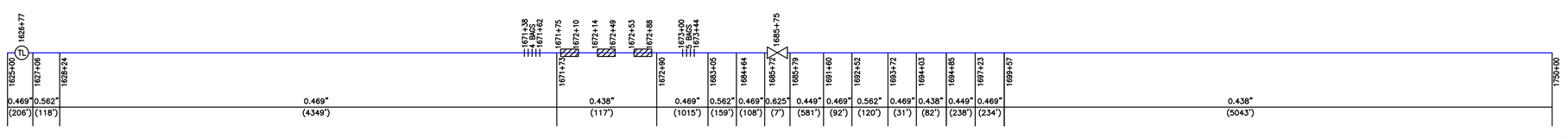
S-805A
W-805A

CROSSING INFORMATION

1627+16	ROAD R-O-W
1627+19	CROP LINE
1627+32	SECTION LINE
1627+46	EDGE OF ROAD
1627+57	ROAD R-O-W
1627+67	EDGE OF ROAD
1627+78	FIBER OPTIC CABLE
1627+88	FIBER OPTIC CABLE
1627+99	ROAD R-O-W
1628+11	CL DITCH
1640+18	PROPERTY LINE
1643+60	CROP LINE
1643+62	PROPERTY LINE
1659+83	PROPERTY LINE
1659+97	CROP LINE
1667+26	P.I. < 08°15'00" RT.
1668+90	P.I. < 09°15'00" LT.
1671+31	CROP LINE
1671+38	EDGE OF WETLAND
1671+78	EDGE OF WATER
1671+85	TREE LINE
1671+99	EDGE OF WATER
1672+00	TOP OF BANK
1673+45	EDGE OF WETLAND
1674+62	CROP LINE
1675+54	P.I. < 04°30'00" LT.
1676+69	P.I. < 01°45'00" LT.
1682+82	PROPERTY LINE
1683+01	TOP OF BANK
1683+14	CROP LINE
1683+36	CL ISH. AVE
1683+53	EDGE OF ROAD
1683+59	PROPERTY LINE
1683+70	SECTION LINE
1683+93	BURIED ELECTRIC
1686+57	BURIED ELECTRIC LINE
1687+26	P.I. < 08°15'00" RT.
1687+85	P.I. < 04°45'00" LT.
1688+22	P.I. < 01°15'00" RT.
1688+28	BURIED TELEPHONE LINE
1692+64	ROAD R-O-W
1692+83	BURIED TELEPHONE LINE
1692+72	CL DITCH
1692+74	TOP OF BANK
1692+75	CROP LINE
1692+98	EDGE OF ROAD
1693+10	CL ISH. AVE
1693+10	SECTION LINE
1693+47	CL DITCH
1693+57	ROAD R-O-W
1693+58	BURIED ELECTRIC
1693+59	TOP OF BANK
1693+62	CROP LINE
1723+06	PROPERTY LINE
1730+29	PROPERTY LINE
1730+54	CROP LINE

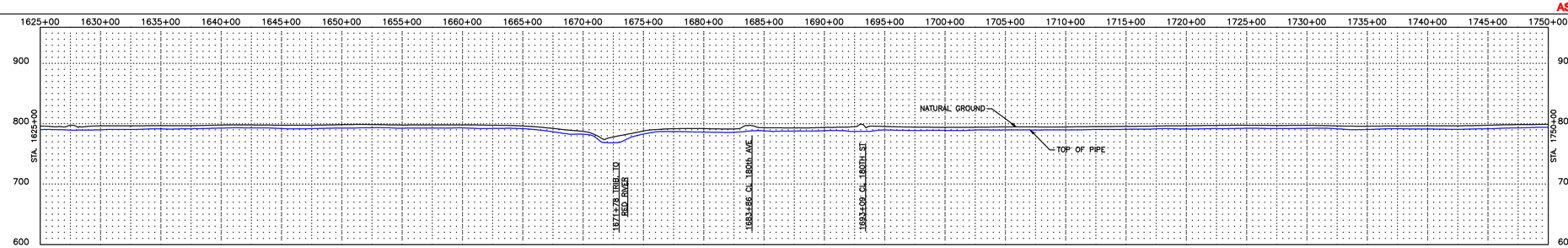
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



LEGEND

- INTERSTATE HIGHWAY
- US HIGHWAY
- STATE HIGHWAY
- CO. STATE AID HIGHWAYS
- COUNTY ROAD
- M. P. MARKER
- AERIAL M.P. MARKER
- CIVIL TOWNSHIP LINE
- FOREIGN PIPELINE
- SECTION LINES
- ROADS
- BURIED PHONE LINE
- BURIED POWER LINE
- OVERHEAD POWER LINE
- WATER LINE
- GAS LINE
- FIBER OPTIC CABLE LINE
- PROPERTY LINE
- RAILROADS
- WATER RIVERS, STREAMS, CREEKS, DITCHES
- ROCK SHIELD
- SET ON WEIGHTS
- CONCRETE COATING
- CASING
- MOV MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TL TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
(L.C.) – LAND CONTRACT
RRX – RAILROAD CROSSING
WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE-CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERT CLIPPER 36" PIPELINE
MP 804.5 TO MP 806.9
STA. 1625+00 TO STA. 1750+00
KITTSON COUNTY, MINNESOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16933-014	014

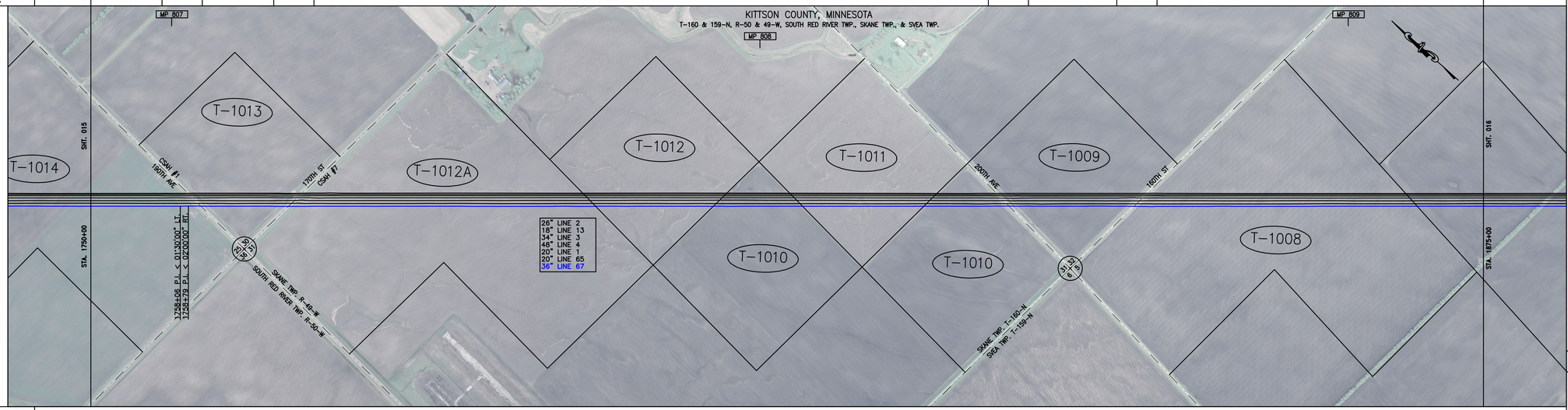
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-1014	T-1013-RX 190TH AVE	T-1013	T-1012A-RX 170TH ST	T-1012A	T-1012	T-1010	T-1011	T-1010	T-1009-RX 200TH AVE	T-1009	T-1008-RX 160TH ST	T-1008	T-1007	
LAND USE		CROP	ROAD	CROP	ROAD	CROP					ROAD	CROP	ROAD	CROP		

PLAN
1" = 500'



ENVIRONMENTAL

CROSSING INFORMATION

1758+06	P.I. < 01°30'00" LT.
1758+38	BURIED ELECTRIC LINE
1758+79	P.I. < 02°00'00" RT.
1759+44	ROAD R-C-W
1759+78	EDGE OF ROAD
1759+92	SECTION LINE
1759+66	CL 190th AVE
1760+14	ROAD R-C-W
1760+39	ROAD R-C-W
1760+49	CL DITCH
1766+84	BURIED CABLE
1766+94	CROP LINE
1767+10	BURIED CABLE
1767+52	EDGE OF ROAD
1767+75	SECTION LINE
1767+78	CL 170th ST
1768+18	EDGE OF ROAD
1768+46	CL DITCH
1768+51	BURIED TELEPHONE LINE
1768+61	ROAD R-C-W
1768+71	ROAD R-C-W
1768+82	CROP LINE
1795+35	PROPERTY LINE
1805+90	PROPERTY LINE
1806+11	CROP LINE
1813+63	CROP LINE
1813+91	PROPERTY LINE
1824+80	PROPERTY LINE
1825+17	CROP LINE
1830+97	BURIED CABLE
1831+79	ROAD R-C-W
1832+01	ROAD R-C-W
1832+25	CL DITCH
1832+47	SECTION LINE
1832+66	EDGE OF ROAD
1832+94	ROAD R-C-W
1833+08	TOP OF BANK
1833+18	CROP LINE
1842+87	BURIED CABLE
1843+01	CROP LINE
1843+16	ROAD R-C-W
1843+46	EDGE OF ROAD
1843+64	CL 160th ST
1843+95	SECTION LINE
1843+79	EDGE OF ROAD
1844+05	ROAD R-C-W
1844+19	CL DITCH
1844+27	CROP LINE
1844+35	BURIED CABLE
1844+37	BURIED CABLE
1869+09	PROPERTY LINE

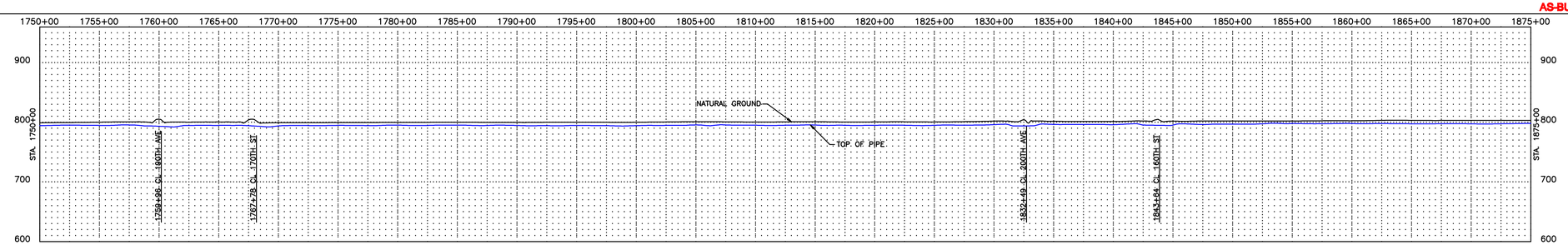
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

1750+00	1758+84	1758+97	1760+96	1761+09	1766+43	1766+56	1768+97	1769+07	1831+70	1831+83	1833+03	1833+16	1842+62	1842+75	1844+54	1844+67	1875+00
0.438" (884')	0.469" (13')	0.562" (199')	0.469" (13')	0.438" (534)	0.469" (13')	0.562" (241')	0.469" (10')	0.438" (6263')	0.469" (13')	0.562" (120')	0.469" (13')	0.438" (946')	0.469" (13')	0.562" (179')	0.469" (13')	0.438" (3033')	

AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



LEGEND

- INTERSTATE HIGHWAY
- US HIGHWAY
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- AERIAL M.P. MARKER
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- TEE
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- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
(L.C.) – LAND CONTRACT
RRX – RAILROAD CROSSING
WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE-CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 300 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 806.90 TO MP 809.2
STA. 1750+00 TO STA. 1875+00
KITTSON COUNTY, MINNESOTA

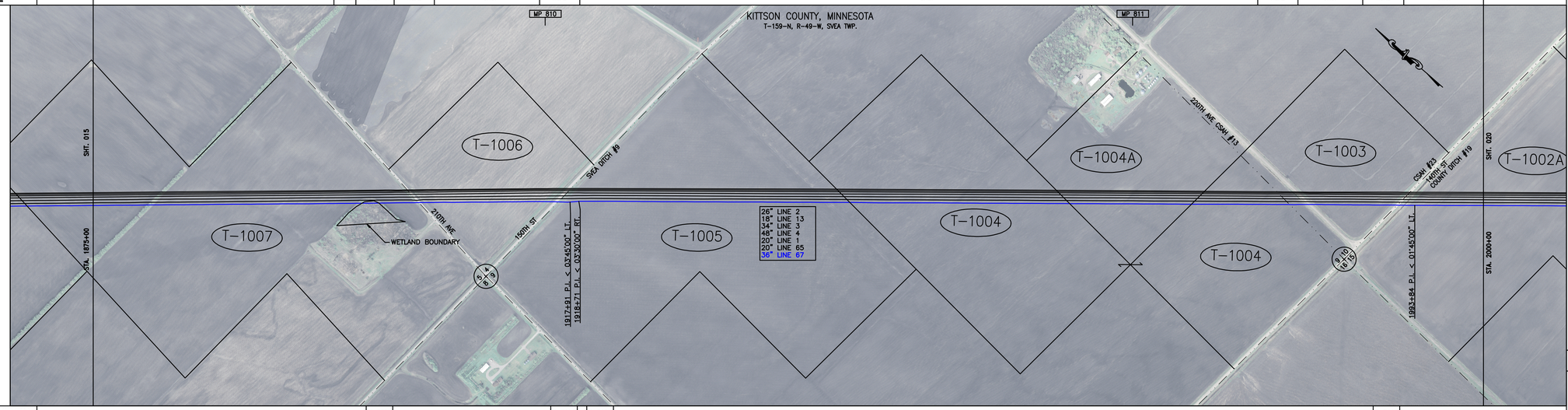
DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16934-015	015

CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER	T-1007			T-1006-RX 210TH AVE	T-1006	T-1005-RX 150TH ST	T-1005	T-1004	T-1004A	T-1004	T-1003-RX 220TH AVE	T-1003	T-1002A-RX 140TH ST	T-1002A	
LAND USE	CROP	TREES	CROP	ROAD	CROP	ROAD	CROP				ROAD	CROP	ROAD	CROP	



PLAN
1" = 500'

ENVIRONMENTAL	W-809A	S-810A	S-810B	S-811A

CROSSING INFORMATION

1880+27	TOP OF BANK	
1880+48	CL DITCH	
1880+65	TOP OF BANK	
1899+20	EDGE OF WETLAND	
1900+73	EDGE OF WETLAND	
1903+87	CROP LINE	
1903+88	ROAD R-O-W	
1904+04	CL DITCH	
1904+23	EDGE OF ROAD	
1904+32	SECTION LINE	
1904+57	EDGE OF ROAD	
1904+72	CL DITCH	
1904+77	ROAD R-O-W	
1904+87	TOP OF BANK	
1904+93	CROP LINE	
1915+69	CROP LINE	
1915+98	TOP OF BANK	
1916+05	OVERHEAD ELECTRIC	
1916+22	ROAD R-O-W	
1916+25	TOP OF BANK #9	
1916+45	EDGE OF ROAD	
1916+54	SECTION LINE	
1916+65	EDGE OF ROAD	
1916+85	ROAD R-O-W	
1916+89	CL SVEA DITCH #9	
1917+12	CL DITCH	
1917+41	WATER LINE	
1917+51	FIBER OPTIC CABLE	
1917+54	CROP LINE	
1917+65	EDGE OF ROAD	
1917+91	P.I. < 03°45'00" LT.	
1918+71	P.I. < 03°30'00" RT.	
1943+06	PROPERTY LINE	
1962+82	PROPERTY LINE	
1973+77	PROPERTY LINE	
1982+59	SECTION LINE	
1983+71	CROP LINE	
1983+85	ROAD R-O-W	
1984+16	CL DITCH	
1984+35	EDGE OF ROAD	
1984+55	EDGE OF ROAD	
1984+81	ROAD R-O-W	
1984+99	CROP LINE	
1991+62	CROP LINE	
1991+82	ROAD R-O-W	
1992+16	EDGE OF ROAD	
1992+28	SECTION LINE	
1992+46	EDGE OF ROAD	
1992+74	TOP OF BANK	
1992+88	TL COUNTY DITCH #19	
1993+08	TOP OF BANK	
1993+36	CROP LINE	
1993+84	P.I. < 01°45'00" LT.	

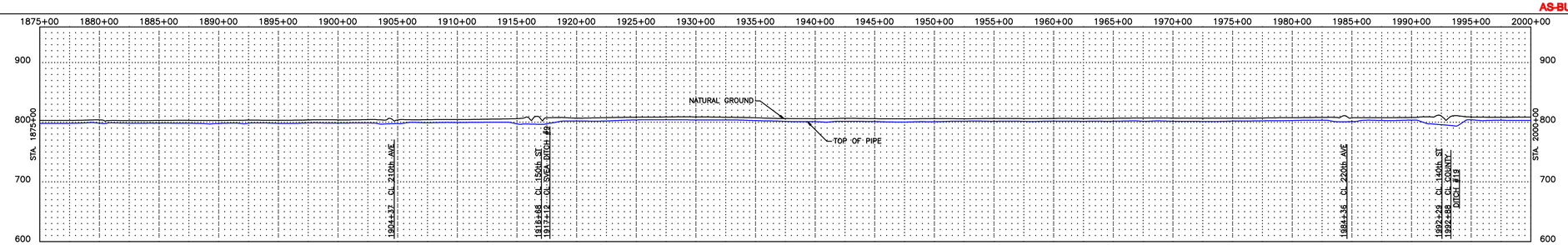
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

1875+00	1903+72	1903+82	1905+02	1905+14	1915+37	1915+50	1917+62	1917+74	1983+61	1983+74	1984+84	1985+10	1991+47	1991+60	1993+47	1993+60	2000+00
0.438" (2872')	0.469" (10')	0.562" (120')	0.469" (12')	0.438" (1023')	0.469" (13')	0.562" (212')	0.469" (12')	0.438" (6587')	0.469" (13')	0.562" (120')	0.469" (16')	0.438" (637')	0.469" (13')	0.562" (187')	0.469" (13')	0.438" (640')	

AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



LEGEND

- INTERSTATE HIGHWAY
- US HIGHWAY
- STATE HIGHWAY
- CO. STATE AID HIGHWAYS
- COUNTY ROAD
- M. P. MARKER
- AERIAL M.P. MARKER
- CIVIL TOWNSHIP LINE
- FOREIGN PIPELINE
- SECTION LINES
- ROADS
- BURIED PHONE LINE
- BURIED POWER LINE
- OVERHEAD POWER LINE
- WATER LINE
- GAS LINE
- FIBER OPTIC CABLE LINE
- PROPERTY LINE
- RAILROADS
- WATER (RIVERS, STREAMS, CREEKS, DITCHES)
- ROCK SHIELD
- SET ON WEIGHTS
- CONCRETE COATING
- CASING
- MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
(L.C.) – LAND CONTRACT
RRX – RAILROAD CROSSING
WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE-CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 809.2 TO MP 811.6
STA. 1875+00 TO STA. 2000+00
KITTSON COUNTY, MINNESOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16935-016	016

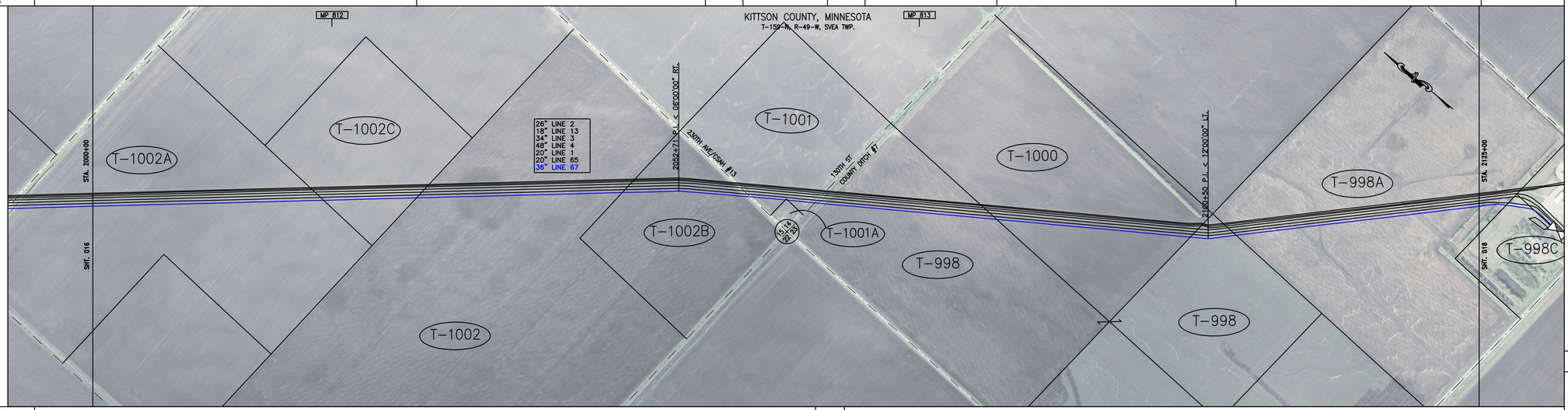
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-1002A	T-1002C	T-1002	T-1002B	T-1001-RX 230TH AVE.	T-1001	T-1001A	T-1001	T-998-RX 130TH ST.	T-998	T-1000	T-998	T-998A	
LAND USE	CROP			CROP		ROAD	CROP		ROAD		CROP		CROP		OPEN	

PLAN
1" = 500'



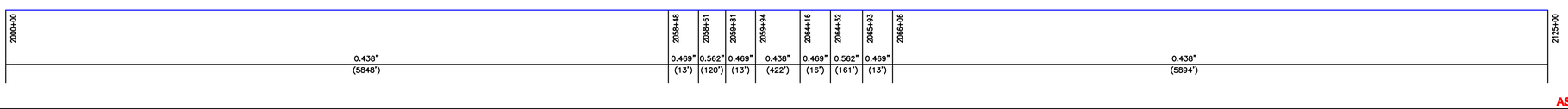
ENVIRONMENTAL S-812A

CROSSING INFORMATION

2020+78	PROPERTY LINE
2029+13	PROPERTY LINE
2029+24	CROP LINE
2047+64	PROPERTY LINE
2052+71	P.I. < 06°00'00" RT.
2058+52	CROP LINE
2058+68	ROAD R-O-W
2058+68	DITCH
2058+45	EDGE OF ROAD
2059+19	230th AVE
2059+35	SECTION LINE
2059+84	EDGE OF ROAD
2059+71	CL DITCH
2059+71	ROAD R-O-W
2059+85	TOP OF BANK
2062+32	CROP LINE
2062+54	PROPERTY LINE
2064+55	PROPERTY LINE
2064+61	ROAD R-O-W
2064+62	TOP OF BANK
2064+97	EDGE OF ROAD
2065+09	130th ST
2065+09	SECTION LINE
2065+41	EDGE OF ROAD
2065+41	CL COUNTY DITCH #7
2065+81	TOP OF BANK
2066+06	CROP LINE
2080+86	CROP LINE
2081+41	PROPERTY LINE
2084+40	OVERHEAD ELECTRIC
2098+89	PROPERTY LINE
2099+35	24" PIPELINE
2100+50	P.I. < 12°00'00" LT.
2103+50	PROPERTY LINE
2103+03	PROPERTY LINE

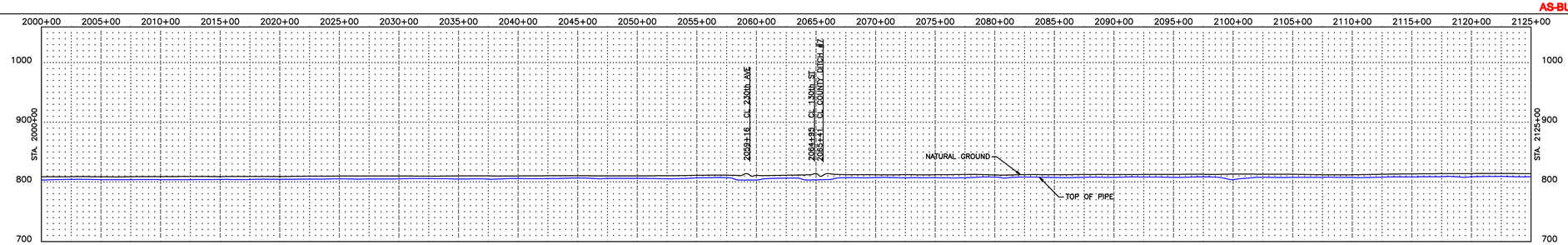
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



LEGEND

- INTERSTATE HIGHWAY
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- STATE HIGHWAY
- CO. STATE AID HIGHWAYS
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- OVERHEAD POWER LINE
- WATER LINE
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- FIBER OPTIC CABLE LINE
- PROPERTY LINE
- RAILROADS
- WATER (RIVERS, STREAMS, CREEKS, DITCHES)
- ROCK SHIELD
- SET ON WEIGHTS
- CONCRETE COATING
- CASING
- MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
(L.C.) – LAND CONTRACT
RRX – RAILROAD CROSSING
WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE-CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 811.6 TO MP 814.0
STA. 2000+00 TO STA. 2125+00
KITTSON COUNTY, MINNESOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16936-017	017

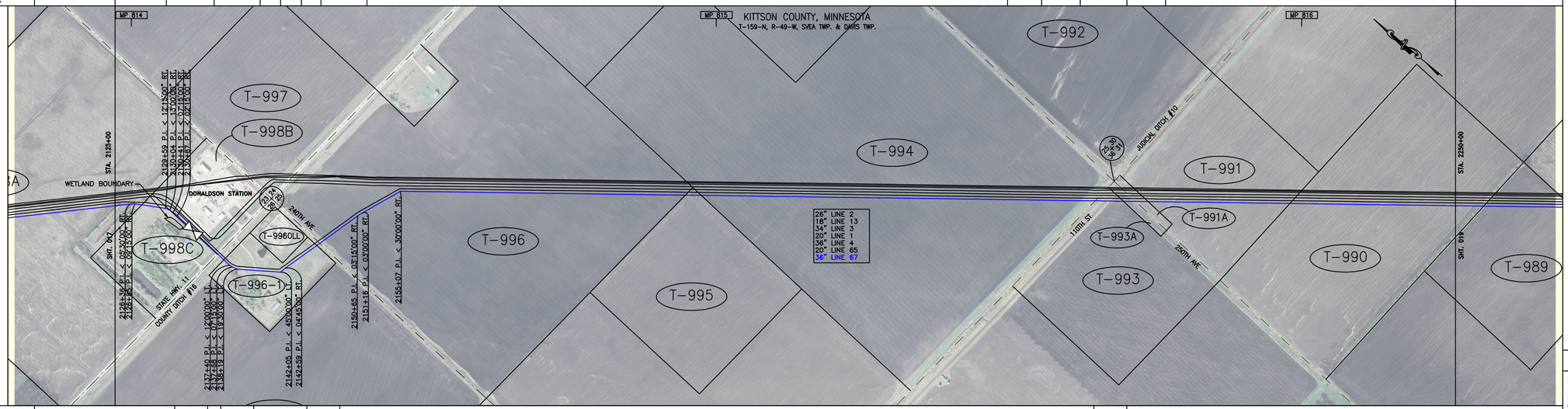
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-998A	T-998C	T-998B	T-996-1-RX STATE HWY 11	T-996-1		T-996-RX 240TH AVE	T-996	T-995	T-994	T-993-DD	T-993-RX 110TH ST	T-993	T-993A	T-991-RX 250TH AVE	T-991A	T-991	T-990	
LAND USE		OPEN		COMMERCIAL	ROAD	OPEN	DRIVE	OPEN	ROAD	CROP		DITCH	ROAD	CROP		ROAD		CROP		

PLAN
1" = 500'



ENVIRONMENTAL

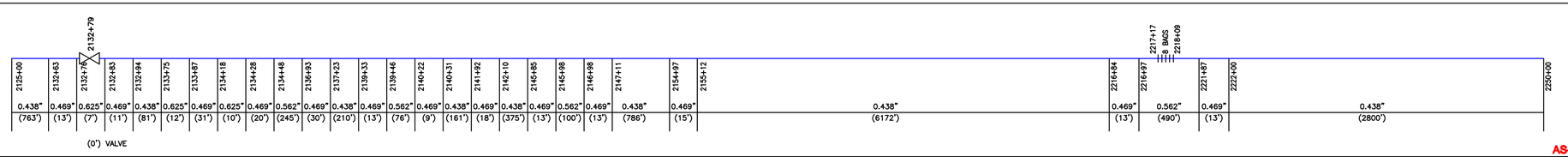
	W-814AA	S-814A		S-814B	S-815A

CROSSING INFORMATION

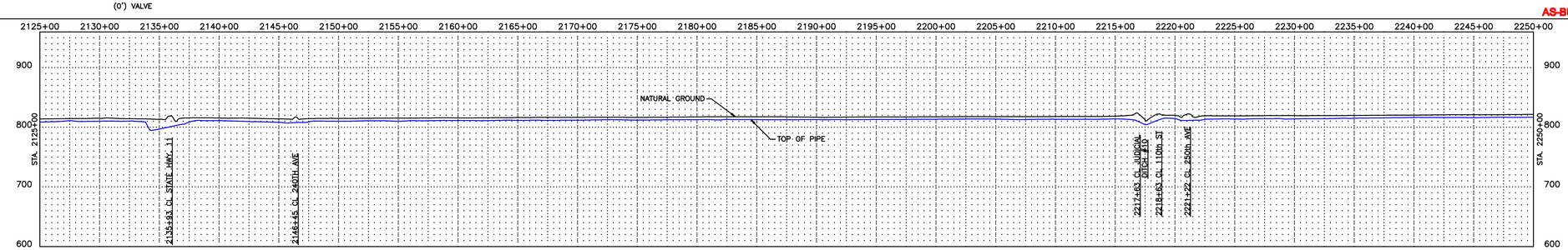
2126+38 P.I. < 00°30'00" RT.	2129+59 P.I. < 12°15'00" RT.	2132+08 OVERHEAD ELECTRIC	2135+18 ROAD R-O-W
2126+86 P.I. < 00°30'00" RT.	2129+84 OVERHEAD ELECTRIC	2132+20 OVERHEAD ELECTRIC	2135+21 WATER LINE
2127+47 PROPERTY LINE	2130+05 PROPERTY LINE	2132+32 ROAD R-O-W	2135+25 BURIED TELEPHONE CABLE
	2130+21 P.I. < 07°15'00" RT.	2132+38 ROAD R-O-W	2135+49 CL DITCH
	2130+35 P.I. < 07°15'00" RT.	2132+38 OVERHEAD ELECTRIC	2135+49 TOP OF BANK
		2132+38 ROAD R-O-W	2135+75 EDGE OF ASPHALT
		2132+38 BURIED TELEPHONE	2135+81 EDGE OF ASPHALT
		2132+38 BURIED ELECTRIC	2135+93 SECTION LINE
		2132+38 ROAD R-O-W	2135+93 CL STATE HWY. 11
		2132+38 OVERHEAD ELECTRIC	2136+10 EDGE OF ASPHALT
		2132+38 ROAD R-O-W	2136+10 TOE OF BANK
		2132+38 BURIED ELECTRIC	2136+39 CL DITCH
		2132+38 CL COUNTY DITCH #16	2136+42 ROAD R-O-W
		2132+38 OVERHEAD ELECTRIC	2136+49 TOE OF BANK
		2132+38 ROAD R-O-W	2136+57 TOP OF BANK
		2132+38 OVERHEAD ELECTRIC	2136+68 PROPERTY LINE
		2132+38 ROAD R-O-W	2136+68 ROAD R-O-W
		2132+38 BURIED ELECTRIC	2136+68 OVERHEAD ELECTRIC
		2132+38 PROPERTY LINE	2137+18 P.I. < 07°15'00" LT.
		2132+38 ROAD R-O-W	2137+18 P.I. < 07°15'00" LT.
		2132+38 BURIED ELECTRIC	2140+78 BURIED TELEPHONE
		2132+38 OVERHEAD ELECTRIC	2140+78 BURIED ELECTRIC
		2132+38 ROAD R-O-W	2142+59 P.I. < 04°45'00" RT.
		2132+38 OVERHEAD ELECTRIC	2145+19 OVERHEAD ELECTRIC
		2132+38 ROAD R-O-W	2145+43 ROAD R-O-W
		2132+38 OVERHEAD ELECTRIC	2146+10 ROAD R-O-W
		2132+38 ROAD R-O-W	2146+17 SECTION LINE
		2132+38 BURIED ELECTRIC	2146+44 CL DITCH
		2132+38 PROPERTY LINE	2146+57 EDGE TOP ROAD
		2132+38 ROAD R-O-W	2146+72 CL DITCH
		2132+38 BURIED ELECTRIC	2146+97 ROAD R-O-W
		2132+38 PROPERTY LINE	2147+16 CROP LINE
		2132+38 ROAD R-O-W	2151+16 P.I. < 03°00'00" RT.
		2132+38 BURIED ELECTRIC	2155+07 P.I. < 30°00'00" RT.
		2132+38 PROPERTY LINE	2180+72 PROPERTY LINE
		2132+38 CROP LINE	2180+89 CROP LINE
		2132+38 PROPERTY LINE	2182+15 PROPERTY LINE
		2216+26 CROP LINE	2217+44 TOP OF BANK
		2217+61 SECTION LINE	2217+61 JUDICIAL DITCH #10
		2217+77 TOP OF BANK	2217+77 TOP OF BANK
		2218+49 EDGE OF ROAD	2218+49 ROAD R-O-W
		2218+53 CL 110th ST	2218+53 EDGE OF ROAD
		2219+02 EDGE OF ROAD	2219+02 CROP LINE
		2219+16 ROAD R-O-W	2219+16 ROAD R-O-W
			2220+14 PROPERTY LINE
			2220+20 CROP LINE
			2220+64 TOP OF BANK
			2220+76 CL DITCH
			2221+22 ROAD R-O-W
			2221+22 CL 250th AVE
			2221+25 SECTION LINE
			2221+74 EDGE OF ROAD
			2221+88 CL DITCH
			2221+88 ROAD R-O-W
			2222+36 PROPERTY LINE
			2235+13 PROPERTY LINE

36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



AS-BUILT

LEGEND

- INTERSTATE HIGHWAY
- US HIGHWAY
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- CO. STATE AID HIGHWAYS
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- CIVIL TOWNSHIP LINE
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- WELD PLUS
- TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
(L.C.) – LAND CONTRACT
RRX – RAILROAD CROSSING
WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE-CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

	REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 300 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 814.0 TO MP 816.3
STA. 2125+00 TO STA. 2250+00
KITTSON COUNTY, MINNESOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16937-018	018

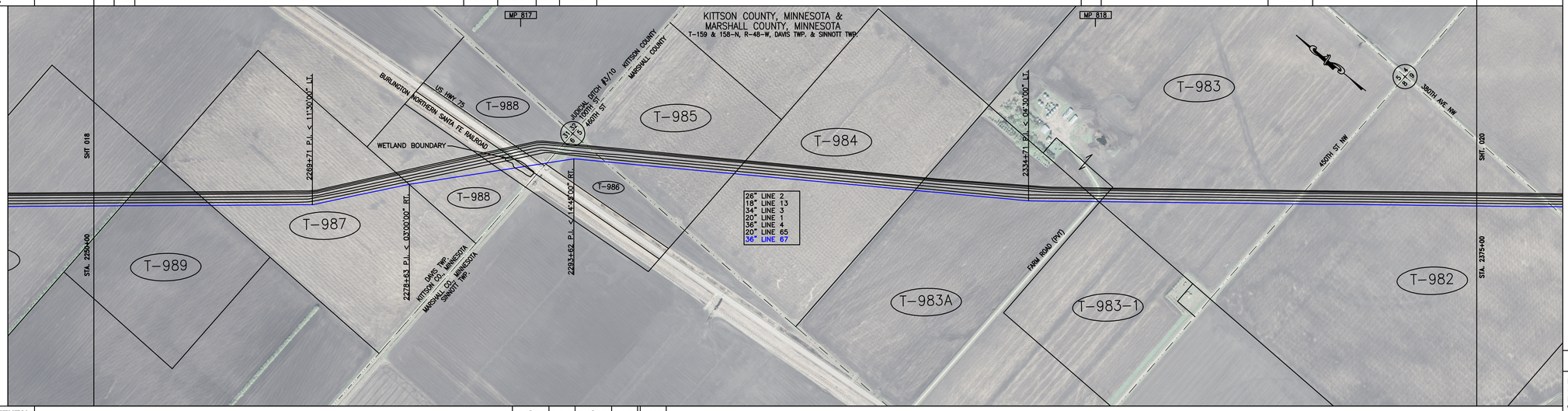
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-990	T-989	T-987	T-988	T-988-RR	T-988-RX US HWY 75	T-988	T-986-RX 100TH ST	T-986	T-985	T-984	T-983A	T-983	T-986-RX 450TH ST NW	T-982	
LAND USE		CROP / TREES	CROP			RAILROAD	ROAD	CROP	ROAD	CROP			DRIVE	CROP	ROAD	CROP	

PLAN
1" = 500'



ENVIRONMENTAL

ESA #816.9	W-817A	ESA #817.0	W-817A	S-817A

CROSSING INFORMATION

| | | |

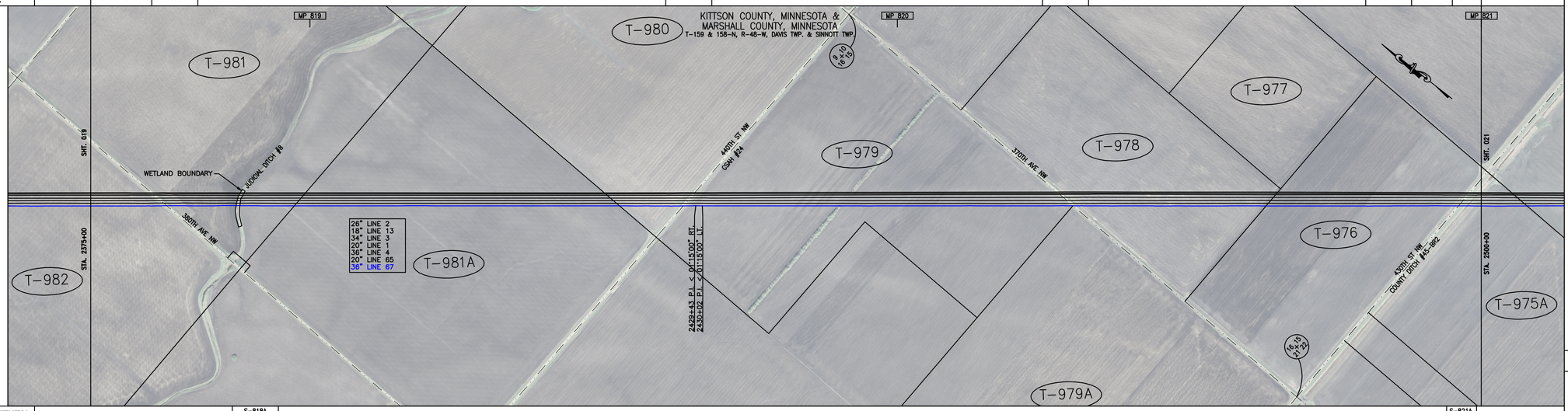
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-982	T-981-RX 380TH AVE NW	T-981	T-981A	T-980	T-979-RX 440TH ST NW	T-979	T-978-RX 370TH AVE NW	T-978	T-976	T-975A-RX 430TH ST NW	T-975A-DD	T-975A	
LAND USE		CROP	ROAD	CROP			ROAD	CROP	ROAD	CROP		ROAD	DITCH	CROP	

PLAN
1" = 500'



ENVIRONMENTAL

S-818A
W-818A

S-821A

CROSSING INFORMATION

| | | |

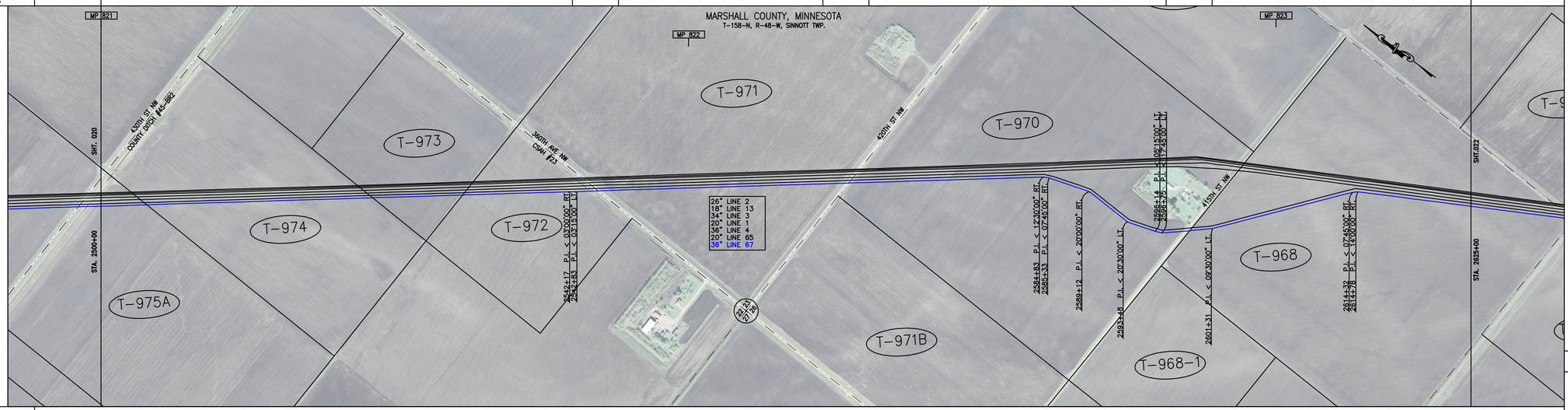
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-975A	T-974	T-973	T-972	T-971-RX 360TH AVE NW	T-971	T-970-RX 420TH ST NW	T-970	T-968-RX 415TH ST NW	T-968	
LAND USE		CROP				ROAD	CROP	ROAD	CROP	ROAD	CROP	

PLAN
1" = 500'



ENVIRONMENTAL

CROSSING INFORMATION

| | | | |

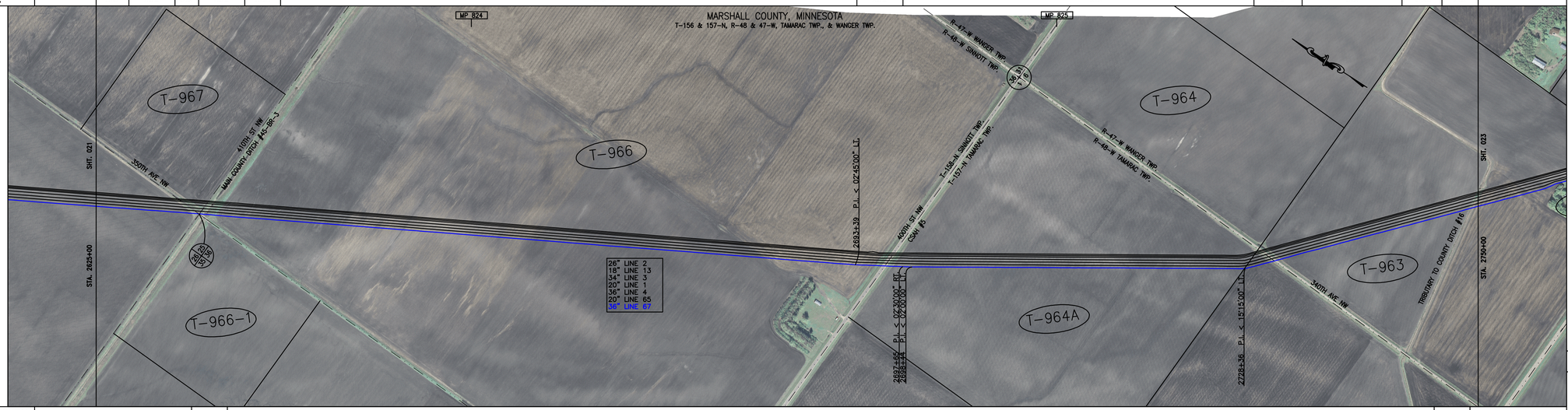
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-968	T-967-RX 350TH AVE NW	T-967	T-966-RX 410TH ST NW	T-966-DD	T-966	T-964A-RX 400TH ST NW	T-964A	T-963A	T-963-RX 340TH AVE NW	T-963	T-963-DD	T-963
LAND USE		CROP	ROAD	CROP	ROAD	DITCH	CROP	ROAD	CROP		ROAD	CROP	DITCH	CROP

PLAN
1" = 500'



ENVIRONMENTAL S-823A S-825A

CROSSING INFORMATION

2633+63 CROP LINE
2633+84 ROAD R-O-W
2634+04 TOP OF BANK
2634+17 ROAD R-O-W
2634+27 PROPERTY LINE
2634+28 CROP LINE
2634+35 CL 410th ST NW
2634+57 TOP OF BANK
2634+98 TOL COUNTY DITCH #45-BR3
2635+40 ROAD R-O-W
2635+69 CL OF TRAIL ROAD
2635+89 CROP LINE
2638+19 CL DITCH
2638+36 CL DITCH
2647+13 CROP LINE
2663+92 CROP LINE
2683+39 P.I. < 02°45'00" LT.
2684+84 WATER LINE
2685+16 CROP LINE ELECTRIC
2685+28 TOP OF BANK
2685+30 ROAD R-O-W
2685+79 TOP OF BANK
2686+00 CL 400th ST NW
2686+03 SECTION LINE
2686+14 TOP OF BANK
2686+21 ROAD R-O-W
2686+58 CL DITCH
2686+68 CROP LINE
2686+71 BURIED TELEPHONE LINE
2687+49 ROAD R-O-W
2687+65 P.I. < 02°30'00" RT.
2688+44 P.I. < 02°00'00" LT.
2728+30 PROPERTY LINE
2728+36 P.I. < 15°15'00" LT.
2728+40 CROP LINE
2730+54 TOP OF BANK
2730+58 BURIED TELEPHONE LINE
2730+72 CL DITCH
2731+02 TOP OF BANK
2731+08 ROAD R-O-W
2731+10 SECTION LINE
2731+14 CL 340th AVE NW
2731+24 TOP OF BANK
2731+26 TOP OF BANK
2731+52 ROAD R-O-W
2731+57 TOP OF BANK
2731+63 CL DITCH
2731+69 CROP LINE
2749+12 TOP OF BANK
2749+14 CROP LINE
2749+66 TOP OF BANK
2749+70 CROP LINE
CL TRIBUTARY TO CO. DITCH #16

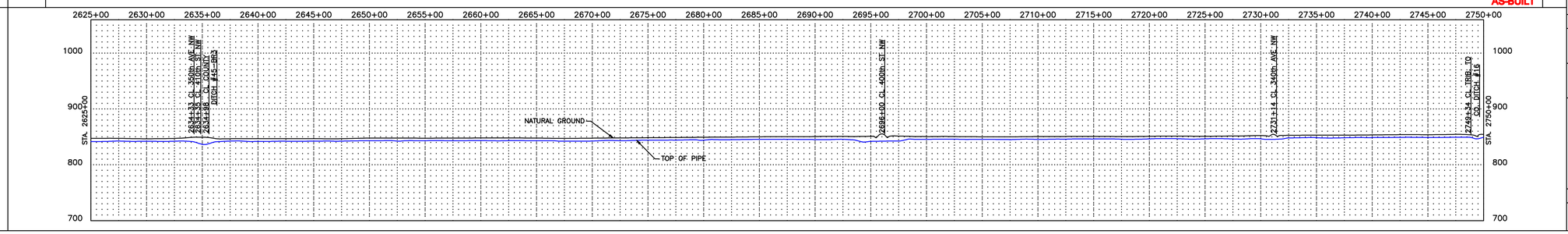
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

2625+00	2633+33	2635+94		2694+47	2694+60	2697+28	2697+41		2730+52	2731+73	2750+00
0.438" (833')	0.531" (261')	0.438" (5853')		0.469" (13')	0.562" (266')	0.469" (15')	0.438" (3311')		0.531" (121')	0.438" (1827')	

AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



LEGEND

- INTERSTATE HIGHWAY
- US HIGHWAY
- STATE HIGHWAY
- CO. STATE AID HIGHWAYS
- COUNTY ROAD
- M. P. MARKER
- AERIAL M.P. MARKER
- CIVIL TOWNSHIP LINE
- FOREIGN PIPELINE
- SECTION LINES
- ROADS
- BURIED PHONE LINE
- BURIED POWER LINE
- OVERHEAD POWER LINE
- WATER LINE
- GAS LINE
- FIBER OPTIC CABLE LINE
- PROPERTY LINE
- RAILROADS
- WATER RIVERS, STREAMS, CREEKS, DITCHES
- ROCK SHIELD
- SET ON WEIGHTS
- CONCRETE COATING
- CASING
- MOV MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
(L.C.) – LAND CONTRACT
RRX – RAILROAD CROSSING
WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE–CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS–BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 823.3 TO MP 825.7
STA. 2625+00 TO STA. 2750+00
MARSHALL COUNTY, MINNESOTA

DRAWING NUMBER	ROUTE SHEET
D–67–5.92–16941–022	022

CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-963	T-961	T-960-RX 390TH ST NW	T-960	T-959-RX 330TH AVE NW	T-959	T-958	T-957A	T-957C	T-957B	T-956-RX 380TH ST NW	T-956	T-955	
LAND USE		CROP		ROAD	CROP	ROAD	CROP					ROAD	CROP		

PLAN
1" = 500'



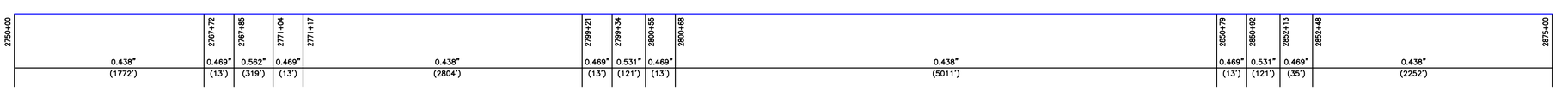
ENVIRONMENTAL

CROSSING INFORMATION

2754+64	CROP LINE	2765+49	CROP LINE	2771+35	P.I. < 02°45'00" LT.	2799+09	BURIED TELEPHONE LINE	2833+82	PROPERTY LINE	2839+89	PROPERTY LINE	2845+06	CROP LINE	2850+65	OVERHEAD ELECTRIC	2870+70	CROP LINE
2756+23	P.I. < 09°00'00" LT.	2766+30	PROPERTY LINE	2772+11	P.I. < 03°15'00" RT.	2799+28	CROP LINE	2834+82	CROP LINE			2848+05	PROPERTY LINE	2850+97	ROAD R-O-W	2870+71	SECTION LINE
2758+93	P.I. < 01°15'00" RT.	2768+30	BURIED CABLE			2799+39	TOP OF BANK	2835+07	P.I. < 05°00'00" RT.					2850+98	BURIED TELEPHONE LINE		
2760+36	P.I. < 08°45'00" RT.	2768+39	OVERHEAD ELECTRIC			2799+52	CL DITCH							2851+33	EDGE OF ROAD		
2762+38	P.I. < 08°45'00" LT.	2768+45	BURIED ELECTRIC LINE			2799+70	TOP OF BANK							2851+56	SECTION LINE		
2764+19	P.I. < 09°15'00" RT.	2768+50	ROAD R-O-W			2799+80	SECTION LINE							2851+57	EDGE OF ROAD		
		2768+72	BURIED CABLE			2799+81	CENTERLINE 330TH AVE NW							2851+57	CROP LINE		
		2768+80	EL COUNTY DITCH #16			2799+95	EDGE OF ROAD							2851+92	ROAD R-O-W		
		2768+80	BURIED TELEPHONE LINE			2800+17	CL DITCH										
		2769+16	CL DITCH			2800+23	ROAD R-O-W										
		2769+70	CLOSED, 1ST NW			2800+24	TOP OF BANK										
		2769+73	SECTION LINE			2800+38	CROP LINE										
		2770+03	EDGE OF ROAD			2800+44	BURIED TELEPHONE LINE										
		2770+48	CENTERLINE CULVERT			2811+20	CROP LINE										
		2770+59	OVERHEAD ELECTRIC			2811+49	PROPERTY LINE										
		2770+71	TOP OF BANK														
		2770+73	TOP OF BANK														
		2770+86	ROAD R-O-W														

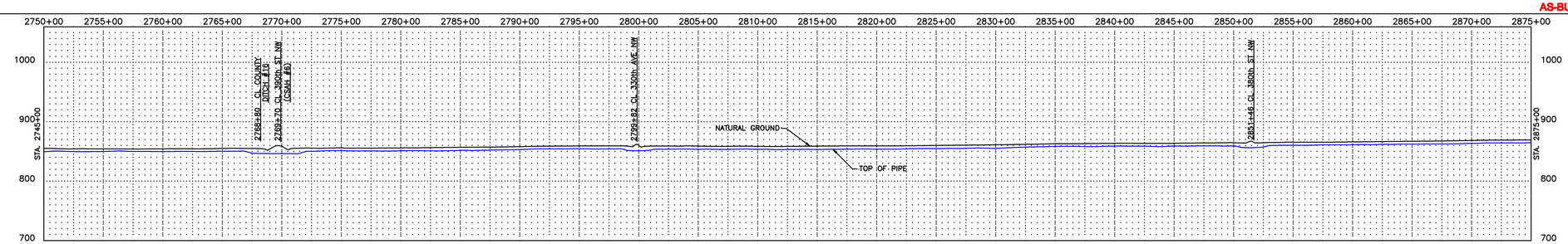
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



LEGEND

- INTERSTATE HIGHWAY
- US HIGHWAY
- STATE HIGHWAY
- CO. STATE AID HIGHWAYS
- COUNTY ROAD
- M. P. MARKER
- AERIAL M.P. MARKER
- CIVIL TOWNSHIP LINE
- FOREIGN PIPELINE
- SECTION LINES
- ROADS
- BURIED PHONE LINE
- BURIED POWER LINE
- OVERHEAD POWER LINE
- WATER LINE
- GAS LINE
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- RAILROADS
- WATER RIVERS, STREAMS, CREEKS, DITCHES
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- SET ON WEIGHTS
- CONCRETE COATING
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- MOV MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
(L.C.) – LAND CONTRACT
RRX – RAILROAD CROSSING
WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
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GOPHER STATE ONE-CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 825.7 TO MP 828.1
STA. 2750+00 TO STA. 2875+00
MARSHALL COUNTY, MINNESOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16942-023	023

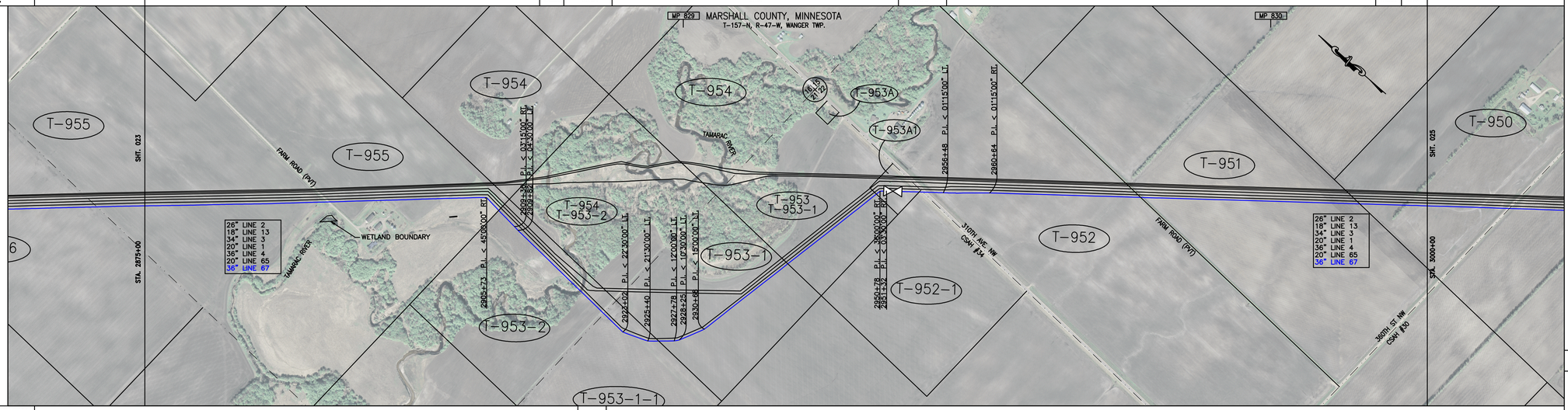
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER	T-955	T-953-2	T-953-2-WX	T-953-2	T-953-1-1	T-953-1	T-953 T-953-1	T-953A	T-952-RX 310TH AVE NW	T-952	T-951	T-950	
LAND USE	CROP	TREES	RIVER	CROP					ROAD	CROP		TREES	CROP

PLAN
1" = 500'



ENVIRONMENTAL S-828A

CROSSING INFORMATION

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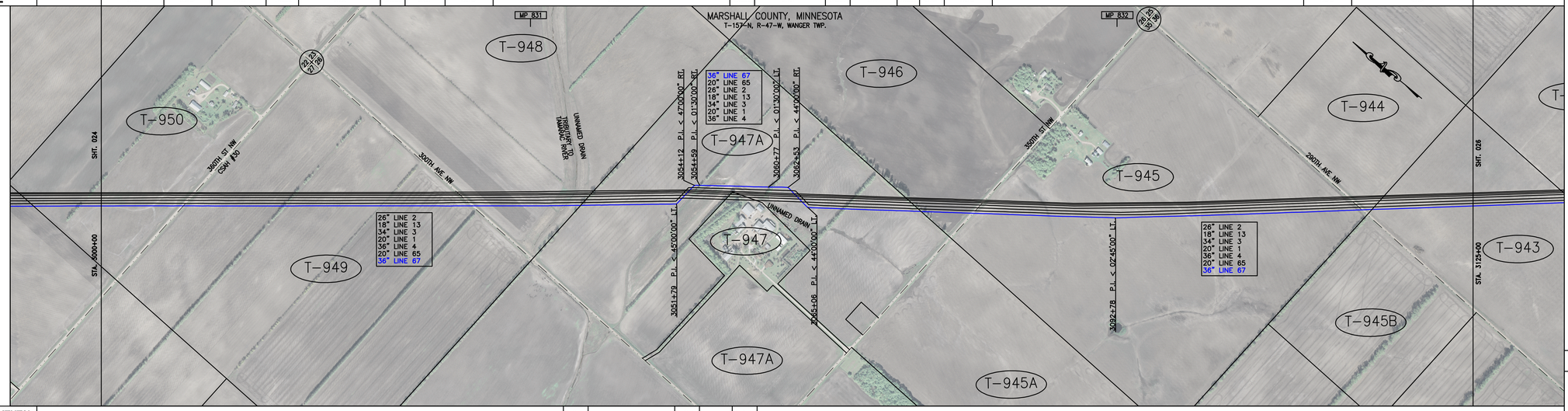
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-950	T-949-RX 360TH ST NW	T-949					T-948-RX 300TH AVE NW	T-948	T-947A				T-946	T-945-RX 350TH ST NW	T-945	T-944-RX 290TH AVE NW	T-944	T-943	
LAND USE		CROP	ROAD	CROP	TREES	CROP	TREES	CROP	ROAD	CROP	CROP	TREES	CROP	TREES	CROP	ROAD	CROP	ROAD	CROP		

PLAN
1" = 500'



ENVIRONMENTAL

S-831A | S-831B | S-831B

CROSSING INFORMATION

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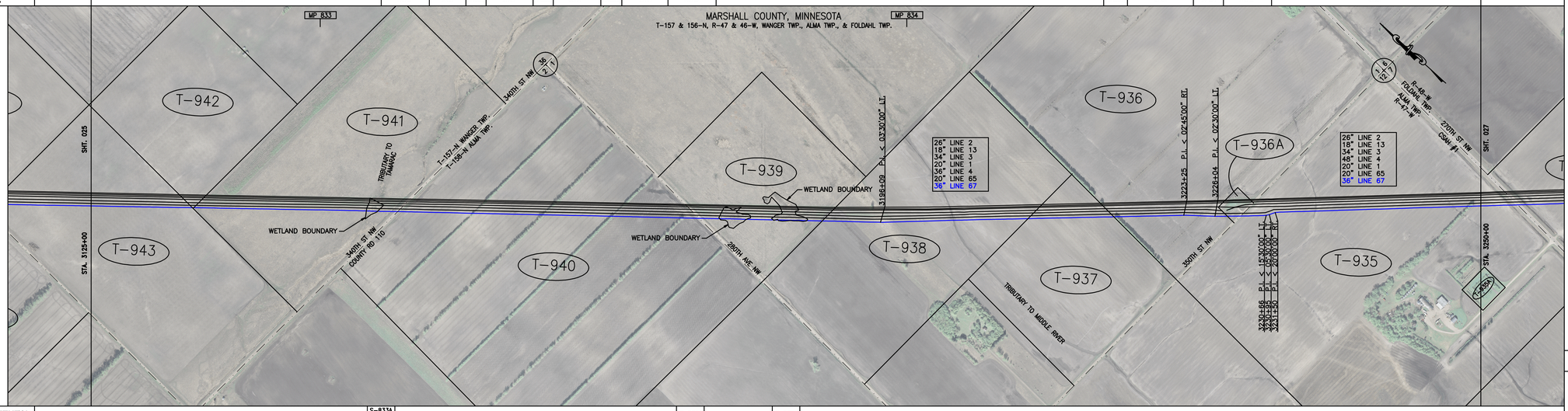
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-943	T-942	T-941	T-940-RX 340TH ST NW	T-940							T-939-RX 280TH AVE NW	T-939	T-938	T-937	T-936	T-936A	T-935-RX 350TH ST NW	T-935	
LAND USE		CROP			ROAD	CROP	TREES	CROP	TREES	CROP	TREES	CROP	ROAD	CROP			TREES	CROP	OPEN	ROAD	CROP	

PLAN
1" = 500'


MARSHALL COUNTY, MINNESOTA
T-157 & 156-N, R-47 & 46-W, WANGER TWP., ALMA TWP., & FOLDAHL TWP.
MP 833
MP 834
SHT. 025
SHT. 027
STA. 3125+00
STA. 3250+00
T-942
T-941
T-943
T-940
T-939
T-938
T-937
T-936
T-936A
T-935
TRIBUTARY TO NAMROC
T-157-N WANGER TWP.
T-156-N ALMA TWP.
340TH ST NW
COUNTY RD 110
WETLAND BOUNDARY
WETLAND BOUNDARY
280TH AVE NW
TRIBUTARY TO MIDDLE RIVER
350TH ST NW
270TH ST NW
CSAH 7
R-46-W
FOLDAHL TWP.
ALMA TWP.
R-47-W
3198+09 P.I. < 02°30'00" LT.
3223+25 P.I. < 02°45'00" RT.
3228+04 P.I. < 02°30'00" LT.
3230+66 P.I. < 15°30'00" LT.
3231+85 P.I. < 06°30'00" LT.
3241+30 P.I. < 20°00'00" RT.
26" LINE 2
18" LINE 13
34" LINE 3
20" LINE 1
36" LINE 4
20" LINE 65
36" LINE 67
26" LINE 2
18" LINE 13
34" LINE 3
48" LINE 4
20" LINE 1
20" LINE 65
36" LINE 67
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CR 2643
CR 2644
CR 2645
CR 2646
CR 2647
CR 2648
CR 2649
CR 2650
CR 2651
CR 2652
CR 2653
CR 2654
CR 2655
CR 2656
CR 2657
CR 2658
CR 2659
CR 2660
CR 2661
CR 2662
CR 2663
CR 2664
CR 2665
CR 2666
CR 2667
CR 2668
CR 2669
CR 2670
CR 2671
CR 2672
CR 2673
CR

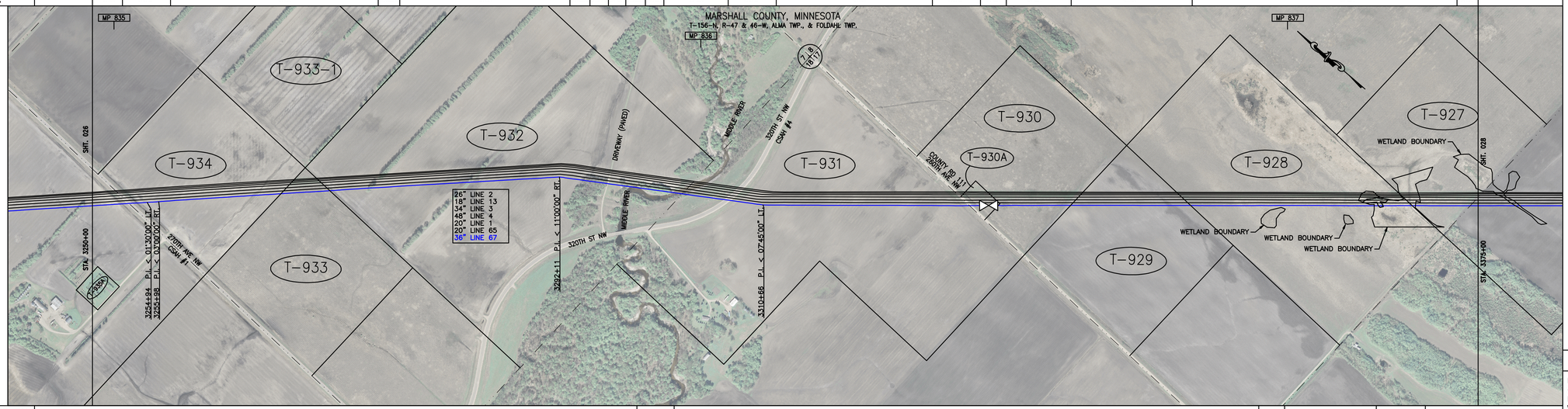
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-935	T-934-RX 270TH AVE NW	T-934	T-933	T-932						T-931	T-931-RX 320TH ST NW	T-931	T-930-RX 260TH AVE NW	T-930A	T-930	T-929	T-928	T-927	T-926	
LAND USE		CROP	ROAD	CROP		TREES	CROP	TREES	DRIVE	OPEN	TREES	RIVER	OPEN	ROAD	CROP	ROAD	OPEN	OPEN	CROP	OPEN	CROP	

PLAN
1" = 500'



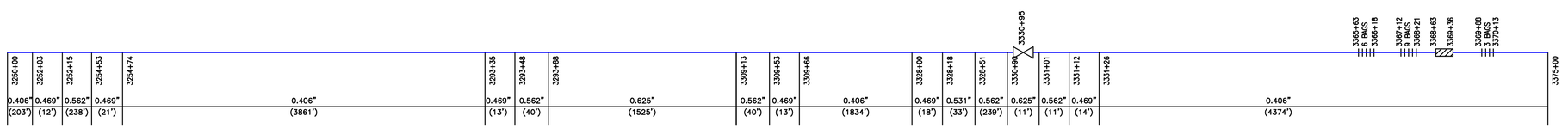
ENVIRONMENTAL																						
								S-836A										W-837E			W-837C	

CROSSING INFORMATION

3252+36 ROAD R-O-W
3252+45 TOP OF BANK
3252+64 BURIED ELECTRIC LINE
3253+09 TOP OF BANK
3253+16 EDGE OF ROAD
3253+32 CL 270th ST NW
3253+46 EDGE OF ROAD
3253+54 TOP OF BANK
3253+95 CL DITCH
3254+24 CROP LINE
3254+29 BURIED PHONE LINE
3254+29 OVERHEAD ELECTRIC LINE
3254+94 P.I. < 01°30'00" LT.
3255+98 P.I. < 03°00'00" RT.
3264+38 TOP OF BANK
3264+51 CL DITCH
3267+00 PROPERTY LINE
3271+41 PROPERTY LINE
3292+11 P.I. < 11°00'00" RT.
3294+28 CROP LINE
3296+34 BURIED CABLE
3296+46 EDGE OF ROAD
3296+58 CL DITCH
3296+69 EDGE OF ROAD
3302+12 OVERHEAD ELECTRIC
3302+44 CL MIDDLE RIVER
3303+29 EDGE OF WATER
3303+29 SECTION LINE
3306+74 ROAD R-O-W
3307+05 BURIED PHONE LINE
3307+25 EDGE OF ROAD
3307+45 CL 320th ST NW
3307+66 EDGE OF ROAD
3308+16 ROAD R-O-W
3308+33 BURIED PHONE LINE
3308+53 BURIED TELEPHONE LINE
3308+63 EDGE OF ROAD
3310+66 P.I. < 07°45'00" LT.
3328+35 CROP LINE
3328+38 OVERHEAD ELECTRIC
3328+38 ROAD R-O-W
3328+62 TOP OF BANK
3328+67 CL DITCH
3328+67 OVERHEAD ELECTRIC
3329+19 CL 260th AVE NW
3329+22 BURIED PHONE LINE
3329+22 TOP OF BANK
3329+36 EDGE OF ROAD
3330+05 BURIED ELECTRIC CABLE
3330+82 CL DITCH
3330+95 TOP OF BANK
3331+01 ROAD R-O-W
3331+15 WATER LINE
3331+62 PROPERTY LINE
3337+88 CROP LINE
3338+33 PROPERTY LINE
3349+05 CROP LINE
3349+13 PROPERTY LINE
3365+65 EDGE OF WETLAND
3368+86 CL DITCH
3369+06 PROPERTY LINE
3369+36 EDGE OF WETLAND
3374+11 CROP LINE
3374+28 SECTION LINE

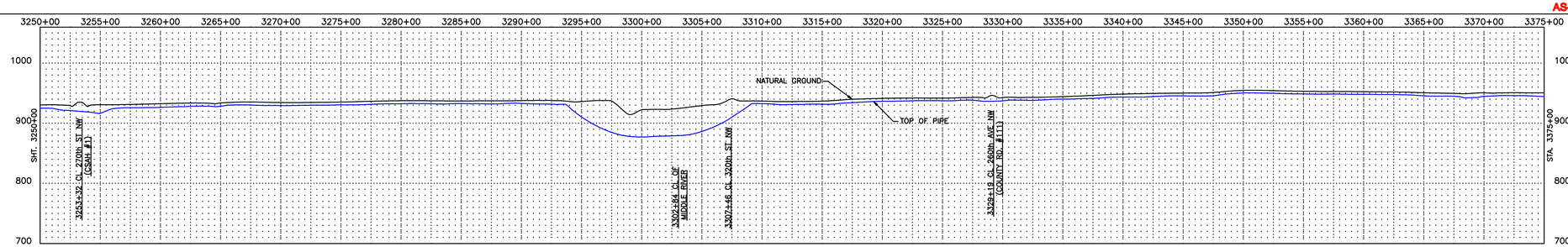
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 800'
VERTICAL: 1" = 100'



LEGEND

- INTERSTATE HIGHWAY
- US HIGHWAY
- STATE HIGHWAY
- CO. STATE AID HIGHWAYS
- COUNTY ROAD
- M. P. MARKER
- AERIAL M.P. MARKER
- CIVIL TOWNSHIP LINE
- FOREIGN PIPELINE
- SECTION LINES
- ROADS
- BURIED PHONE LINE
- BURIED POWER LINE
- OVERHEAD POWER LINE
- WATER LINE
- GAS LINE
- FIBER OPTIC CABLE LINE
- PROPERTY LINE
- RAILROADS
- WATER RIVERS, STREAMS, CREEKS, DITCHES
- ROCK SHIELD
- SET ON WEIGHTS
- CONCRETE COATING
- CASING
- MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TEST LEAD

NOTES:

ENBRIDGE ENERGY # 1-800-858-5253
(L.C.) – LAND CONTRACT
RRX – RAILROAD CROSSING
WX – WATER CROSSING
RX – ROAD CROSSING
LWA – LOW WET AREA
WL – WETLAND (SEE WETLAND DELINEATION DRAWINGS REPORT)
GOPHER STATE ONE–CALL 1-800-252-1166
ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 834.9 TO MP 837.3
STA. 3250+00 TO STA. 3375+00
MARSHALL COUNTY, MINNESOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16946-027	027

CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

| | | |

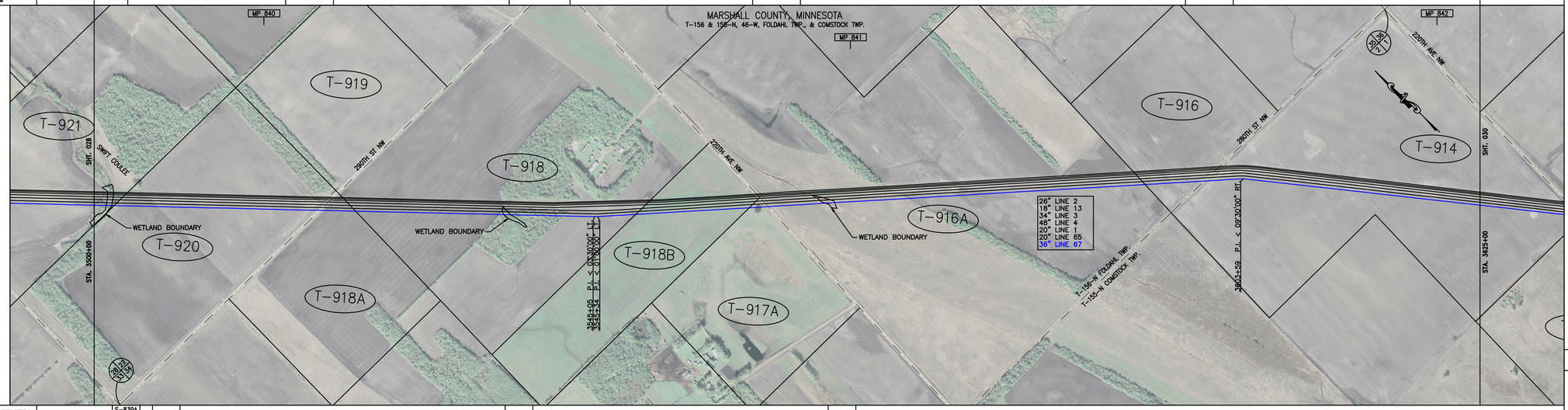
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER	T-921	T-920	T-918A-RX 290TH ST NW	T-918A	T-918	T-918B	T-917A	T-916A-RX 230TH AVE NW	T-916A	T-916	T-914-RX 280TH ST NW	T-914
LAND USE	TREES	CROP	ROAD	CROP	TREES	CROP	ROAD	CROP		ROAD	CROP	

PLAN
1" = 500'



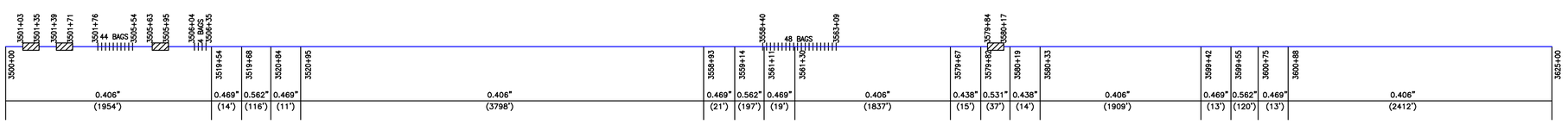
ENVIRONMENTAL	S-839A W-839A	S-839B	W-840A	W-840B

CROSSING INFORMATION

3500+20	CROP LINE	3519+85	ROAD R-O-W
3500+89	TOP OF BANK	3519+86	CROP LINE
3501+10	EDGE OF WETLAND	3520+15	EDGE OF ROAD
3501+59	EDGE OF WETLAND	3520+31	CL 280th ST NW
3501+65	TOP OF BANK	3520+31	STATION AHEAD
3501+85	TOP OF BANK	3520+48	EDGE OF ROAD
3502+07	CROP LINE	3520+67	RD DITCH
3502+24	CROP LINE	3520+77	ROAD R-O-W
3505+66	TOP OF BANK	3523+79	CROP LINE
3505+75	TOP OF BANK (ABANDONED)	3523+35	PROPERTY LINE
3505+86	TOP OF BANK		
3505+86	CROP LINE		
3536+45	CROP LINE	3545+05	P.I. < 03°30'00" LT.
3536+91	EDGE OF WETLAND	3545+34	P.I. < 01°00'00" LT.
3537+50	EDGE OF WETLAND		
3548+76	CROP LINE	3556+81	OVERHEAD ELECTRIC LINE
3549+03	CROP LINE	3559+00	PROPERTY LINE
		3559+05	CROP LINE
		3559+17	OVERHEAD ELECTRIC LINE
		3559+51	TOP OF BANK
		3560+06	EDGE OF WATER
		3560+18	TOP OF BANK
		3560+25	ROAD R-O-W
		3560+50	CL 230th AVE NW
		3560+67	STATION AHEAD
		3560+82	BURIED TELEPHONE LINE
		3561+02	RD DITCH
		3561+08	ROAD R-O-W
		3565+90	EDGE OF WETLAND
		3566+72	EDGE OF WETLAND
		3594+71	PROPERTY LINE
		3599+51	ROAD R-O-W
		3599+71	CROP LINE
		3599+93	EDGE OF ROAD
		3600+03	CL 280th ST NW
		3600+17	EDGE OF ROAD
		3600+44	RD DITCH
		3600+51	ROAD R-O-W
		3600+58	CROP LINE
		3603+59	P.I. < 09°30'00" RT.

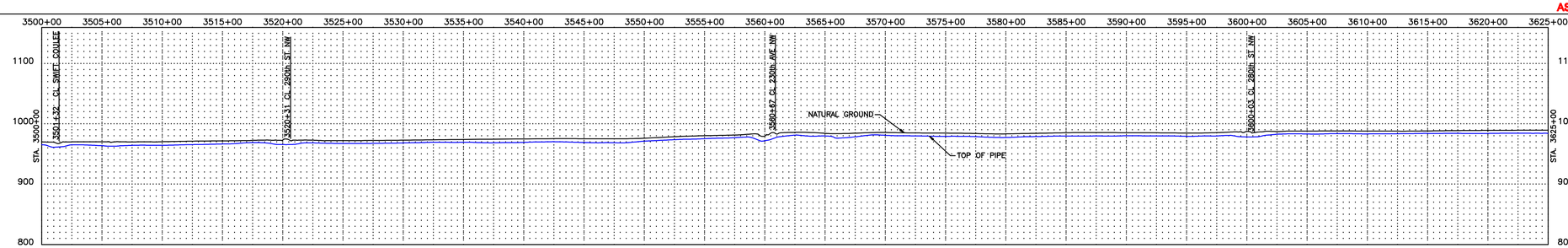
36" LINE MATERIALS

ALL PIPE IS 36" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED



AS-BUILT

PIPE PROFILE
HORIZONTAL: 1" = 500'
VERTICAL: 1" = 100'



LEGEND

- INTERSTATE HIGHWAY
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- STATE HIGHWAY
- CO. STATE AID HIGHWAYS
- COUNTY ROAD
- M. P. MARKER
- AERIAL M.P. MARKER
- CIVIL TOWNSHIP LINE
- FOREIGN PIPELINE
- SECTION LINES
- ROADS
- BURIED PHONE LINE
- BURIED POWER LINE
- OVERHEAD POWER LINE
- WATER LINE
- GAS LINE
- FIBER OPTIC CABLE LINE
- PROPERTY LINE
- RAILROADS
- WATER (RIVERS, STREAMS, CREEKS, DITCHES)
- ROCK SHIELD
- SET ON WEIGHTS
- CONCRETE COATING
- CASING
- MOTOR OPERATED VALVE
- GATE VALVE
- TEE
- STOPPLE TEE
- REPAIR SLEEVE
- RECTIFIER
- WELD PLUS
- TEST LEAD

NOTES:

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ALL STATIONING IN TRUE (PIPE) LENGTH

FIELD BOOK	FIELD BOOK	FIELD BOOK

NO.	REFERENCE DRAWINGS

REVISION	DATE	APPR.

SCALE	DATE	DRAWN	APPROVED	APPROVED
1"=500'		MM	CN	

800 400 200 100 0 200 500 1000
SCALE IN FEET

ENBRIDGE

AS-BUILT ALIGNMENT
ALBERTA CLIPPER 36" PIPELINE
MP 839.7 TO MP 842.1
STA. 3500+00 TO STA. 3625+00
MARSHALL COUNTY, MINNESOTA

DRAWING NUMBER	ROUTE SHEET
D-67-5.92-16948-029	029

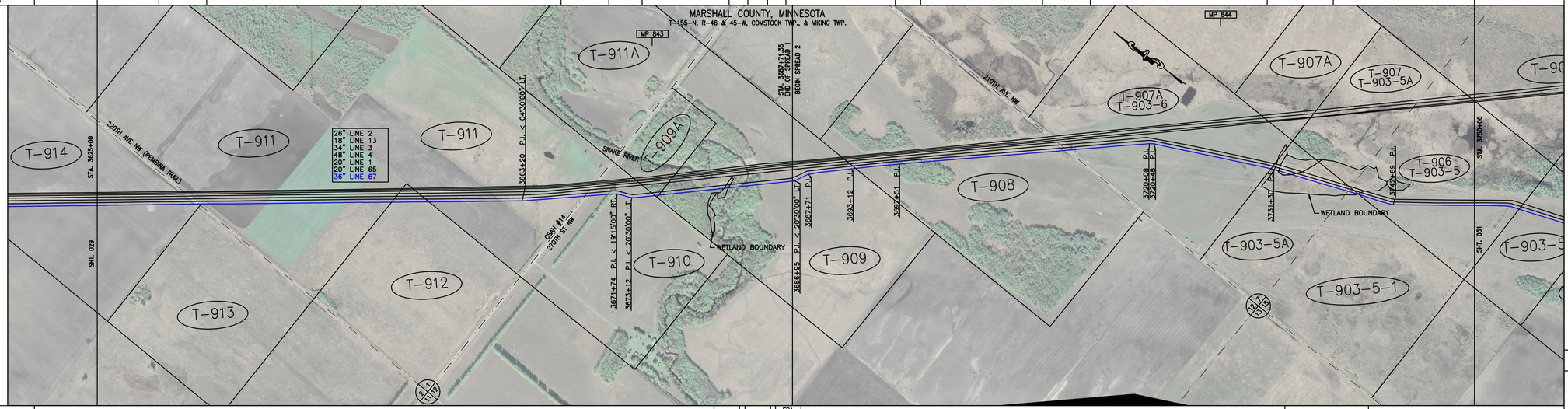
CROSSING INFORMATION

XX" LINE MATERIALS

ALL PIPE IS XX" O.D.
API 5L-X-70 STEEL PIPE
FBE COATED

TRACT NUMBER		T-914	T-911-RX 220TH AVE NW	T-911	T-912	T-911	T-910-RX 270TH ST NW	T-910	T-909A	T-909	T-908	T-907A-RX 210TH AVE NW	T-907A T-903-6	T-903-5A	T-903-5-1	T-906 T-903-5	
LAND USE		CROP	ROAD	CROP			ROAD	CROP	TREES	TREES / OPEN / TREES / RIVER / CROP	CROP / TREES / CROP	ROAD	CROP	OPEN	CROP		

PLAN
1" = 500'



ENVIRONMENTAL

W-843A | S-843A | ESA #843.2 | W-844A

CROSSING INFORMATION

| | | |