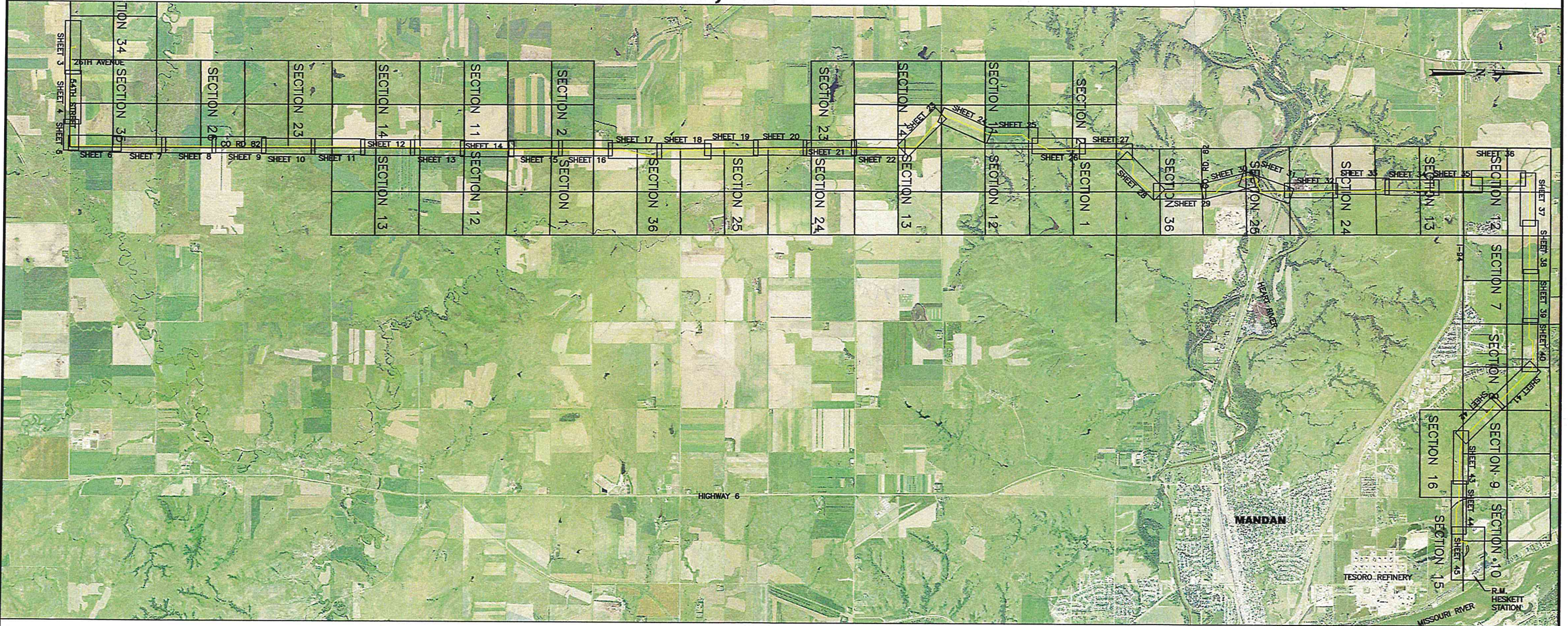


MONTANA-DAKOTA UTILITIES CO. HESKETT STATION PIPELINE SURVEYED AS-BUILT MORTON COUNTY, NORTH DAKOTA JULY, 2014



INDEX MAP

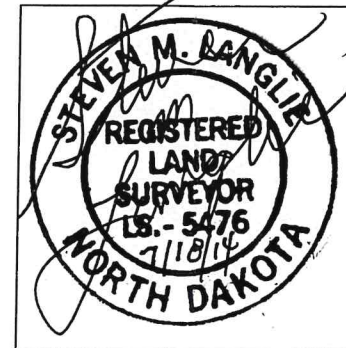
SHEET INDEX

1. COVER SHEET AND INDEX MAP
2. SURVEY NOTES, QUANTITIES AND SYMBOL LEGEND
- 3.-45. PIPELINE PLAN AND PROFILES

COORDINATE SYSTEM: NAD83 NORTH DAKOTA STATE PLANE
SOUTH ZONE, GROUND, U.S. SURVEY FEET,
NAVD 88

THESE RECORD DOCUMENTS HAVE BEEN PREPARED
BASED ON INFORMATION PROVIDED BY FIELD
PERSONNEL. THE DESIGN PROFESSIONAL HAS NOT
VERIFIED THE ACCURACY AND/OR COMPLETENESS OF
THIS INFORMATION AND SHALL NOT BE RESPONSIBLE
FOR ANY ERRORS OR OMISSIONS WHICH MAY BE
INCORPORATED HEREIN AS A RESULT. ALL DETAILED
RECORD SURVEY DATA HAS BEEN INCLUDED IN THE
CONSTRUCTION DIARY ATTACHED WITH THE PLAN SET.

RECORD DRAWING: 7-10-2014



UTILITY NOTE:

THE EXISTING UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION, AS-BUILT MAPS AS PROVIDED BY MUNICIPALITIES OR UTILITY COMPANIES, AND/OR EXISTING DRAWINGS. THERE IS NO GUARANTEE THAT THE EXISTING UNDERGROUND UTILITIES SHOWN INDICATE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. NOR IS THERE A GUARANTEE THAT THE EXISTING UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.

THE MONTANA-DAKOTA UTILITIES CO. NATURAL GAS PIPELINE AND APPURTENANCES INSTALLED WITH THIS PROJECT SCOPE WERE FIELD LOCATED BY HOUSTON ENGINEERING INC. IN THE COORDINATE SYSTEM INDICATED.

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve®



T:\6125-000 Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\SURVEY NOTES-QUANTITIES-SYMBOL LEGEND.dwg - SHEET 2-7/10/2014 10:32 AM - (tpaul)

































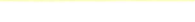










BORE PIPE

BORING NO.	OBSTACLE	BEGIN STATION	END STATION	LENGTH (LF)	NOTES
1	26TH AVENUE	9+40.59	10+60.19	119.6	
2	WETLAND/DITCH	102+23.39	109+62.12	738.73	
3	SITE 21 LITTLE HEART	119+56.61	121+95.67	239.06	
4	GRAVEL DRIVEWAY	152+24.56	153+44.06	119.5	
5	51ST STREET/COUNTY ROAD 137	220+16.33	221+35.28	118.95	
6	COUNTY ROAD 82	274+08.70	275+17.50	108.8	
7	GRAVEL DRIVEWAY	413+17.26	415+54.98	237.72	
8	SITE 17 TRIBUTARY	418+52.06	422+05.80	353.74	
9	COUNTY ROAD 138A	433+51.40	434+70.90	119.5	
10	SITE 16 WETLAND	470+57.76	475+87.56	529.8	
11	SITE 14 WETLAND	506+05.84	514+99.02	893.18	
12	COUNTY ROAD 82	533+44.78	537+45.98	401.2	
13	45TH STREET	537+73.02	544+28.32	655.3	
14	44TH STREET	601+09.03	603+98.93	289.9	
15	42ND STREET	714+32.70	716+11.48	178.78	
16	COUNTY ROAD 82	780+52.00	783+63.58	311.58	
17	SITE 24 HEART RIVER	827+89.56	842+97.77	1508.21	
18	GRAVEL DRIVEWAY & SANDY HILL	854+35.70	875+14.07	2078.37	
19	GAS TRANSMISSION LINE	894+81.92	898+00.00	318.08	
20	SITE 8 RAVINE	918+21.87	924+71.76	649.89	
21	INTERSTATE 94	951+96.43	957+36.79	540.36	
22	WETLAND/POND	990+20.11	993+03.86	283.75	
23	24TH AVENUE	1030+24.20	1031+43.76	119.56	
24	TESORO OIL PIPELINE	1075+24.21	1079+38.53	414.32	
25	HIGHLAND ROAD	1105+55.03	1112+64.29	709.26	
26	HILL	1145+18.04	1153+36.51	818.47	
27	SITE 2 WETLAND	1198+58.66	1208+06.99	948.33	
28	HIGHWAY 1804	1212+67.42	1215+59.48	292.06	
29	38TH STREET	1242+24.76	1243+51.23	126.47	
30	HESKETT SITE	1245+43.00	1250+47.00	504	
TOTAL BORE PIPE LENGTH:				14,726	

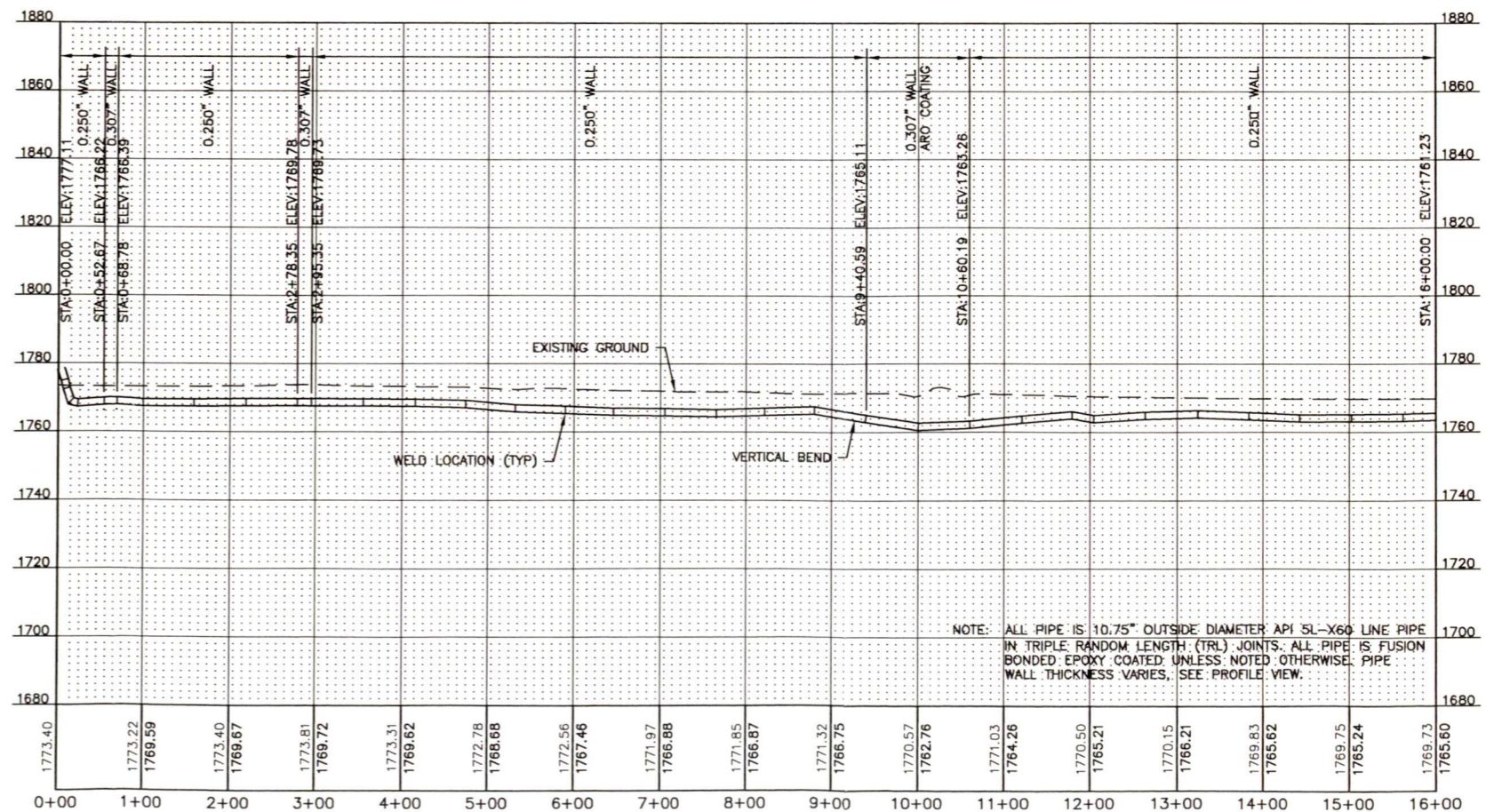
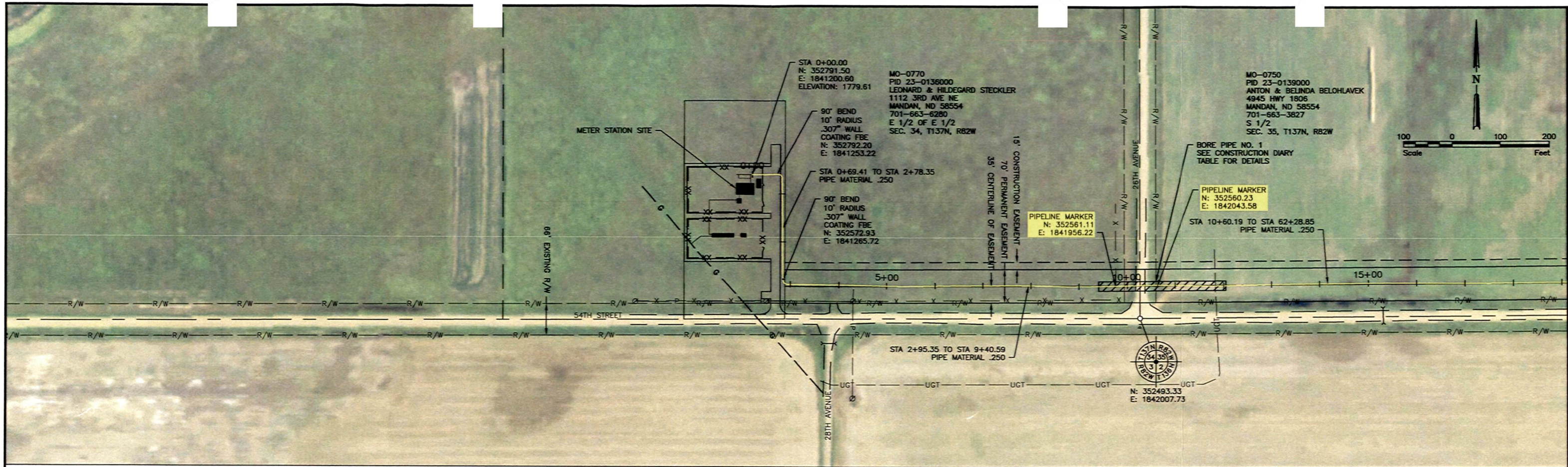
SURVEY NOTES:

- ALL AS-BUILT FIELD SURVEY DATA INCLUDED IN THESE RECORD DOCUMENTS IS CURRENT AS OF 11-29-2013.
- COORDINATE SYSTEM: NAD83 NORTH DAKOTA STATE PLANE SOUTH ZONE, GROUND, U.S. SURVEY FEET, NAVD 88.

SYMBOL LEGEND

FIRE HYDRANT	
GATE VALVE	
CURBSTOP	
UTILITY POLE	
W / GUY WIRE	
W / LIGHT	
LIGHT POLE	
ELECTRIC UTILITY BOX	
TELEPHONE RISER	
CONIFEROUS TREE	
DECIDUOUS TREE	
TREE ROW	
SHRUB	
SIGN	
IRON MONUMENT FOUND	
IRON MONUMENT SET	
CHISELED MARK ON CONCRETE	
SOIL BORING	
PK NAIL	
WATER MAIN	
SANITARY SEWER MAIN	
STORM SEWER MAIN	
CULVERT	
OVERHEAD POWER	
UNDERGROUND ELECTRIC	
UNDERGROUND TELEPHONE	
UNDERGROUND OIL	
UNDERGROUND FIBER OPTIC	
CABLE TV	
GAS MAIN	
FENCE	
RAILROAD TRACKS	
CONCRETE	
ASPHALT	
GRAVEL	
RIGHT OF WAY LINE	
PERMANENT EASEMENT	
TEMPORARY EASEMENT	
MDU GAS PIPELINE	
SECTION LINE	
QUARTER SECTION LINE	
16TH SECTION LINE	
PROPERTY LINE	

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 3-7/10/2014 10:35 AM -(tpau)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP



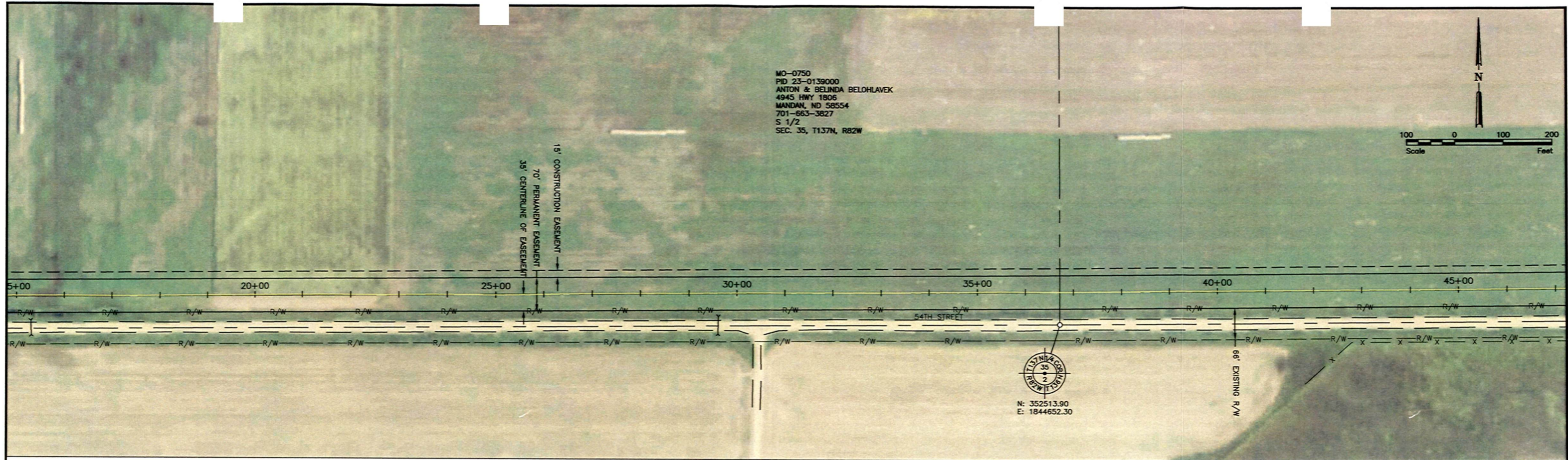
Bismarck	Drawn by TKP ZBK	Date 7-10-14
P: 701.323.0200 F: 701.323.0300	Checked by SML	Scale AS SHOWN

MDU HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

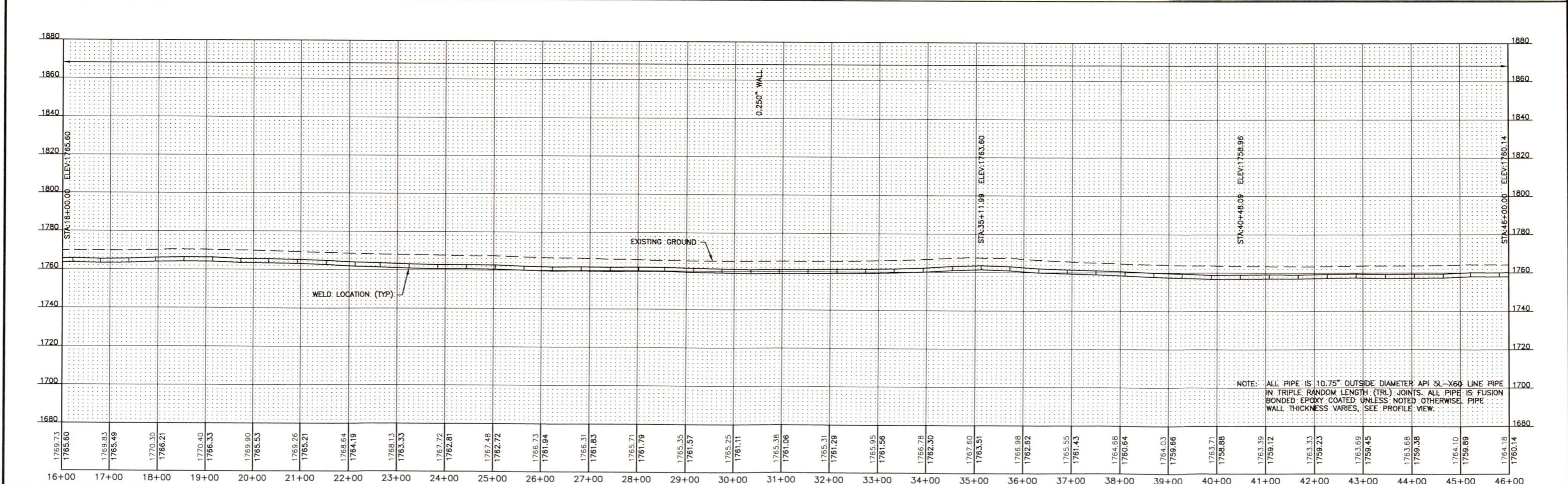
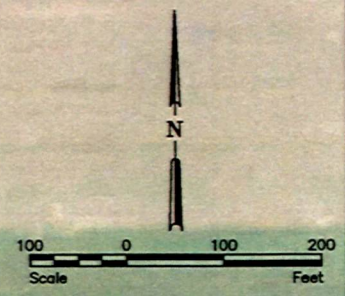
PLAN & PROFILE
STA 00+00 TO STA 16+00
PROJECT NO. 6125-011

SHEET
3 of 45

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 4-7/10/2014 10:35 AM (tpaul)

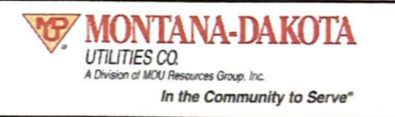


MO-0750
 PID 23-0139000
 ANTON & BELINDA BELOHLAVEK
 4945 HWY 1806
 MANDAN, ND 58554
 701-663-3827
 S 1/2
 SEC. 35, T137N, R82W



NOTE: ALL PIPE IS 10.75" OUTSIDE DIAMETER API 5L-X60 LINE PIPE IN TRIPLE RANDOM LENGTH (TRL) JOINTS. ALL PIPE IS FUSION BONDED EPOXY COATED UNLESS NOTED OTHERWISE. PIPE WALL THICKNESS VARIES, SEE PROFILE VIEW.

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP



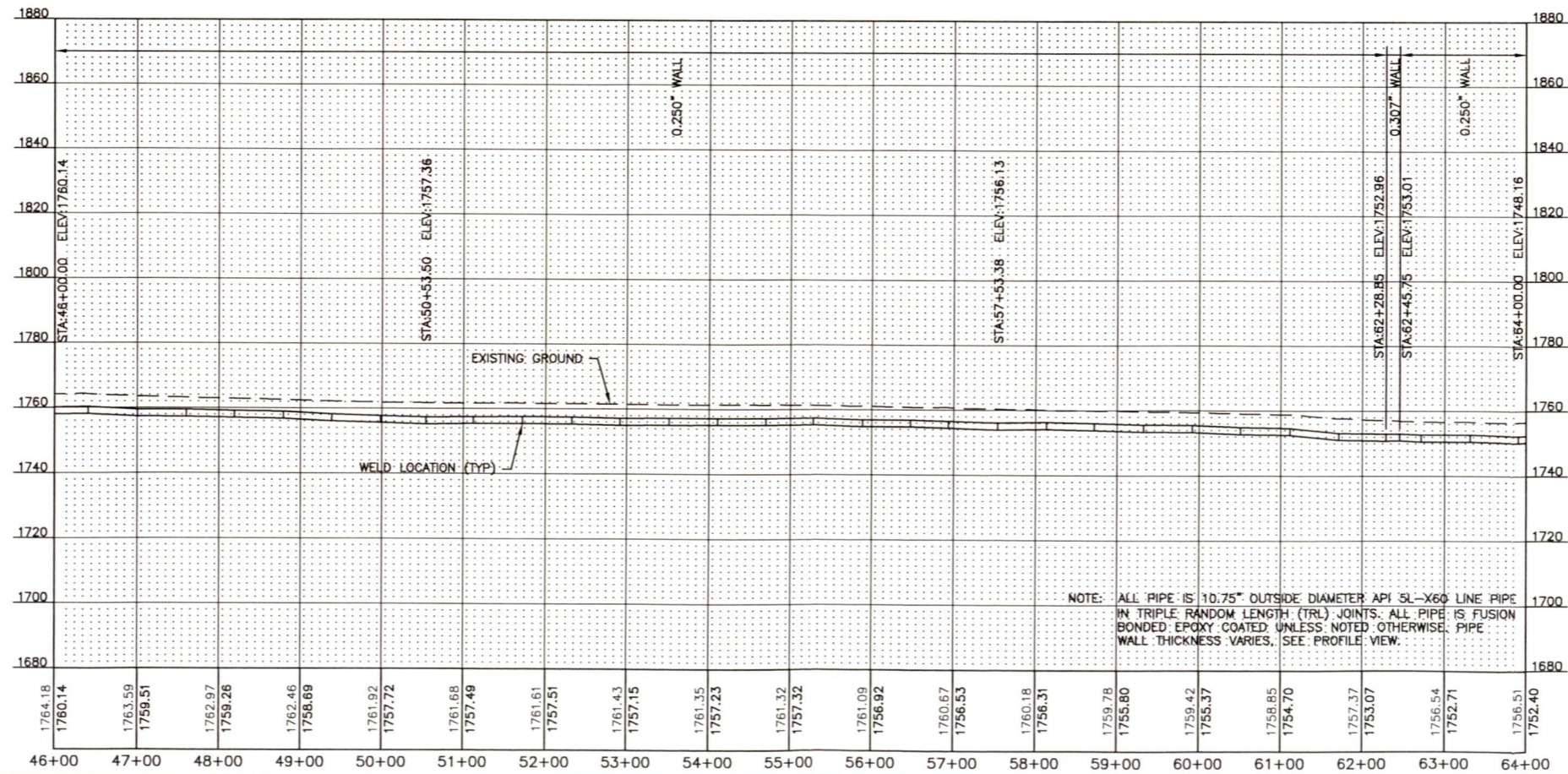
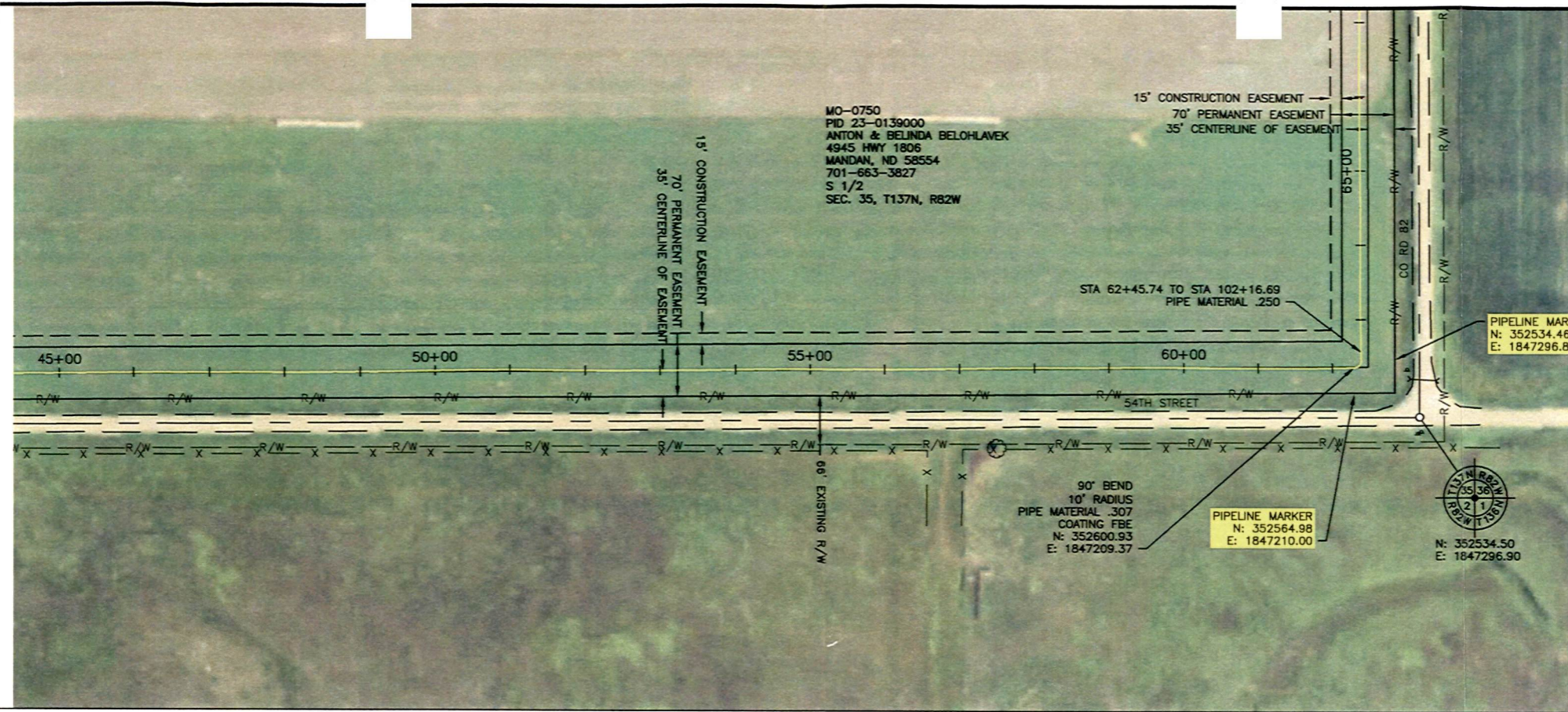
Bismarck
 P: 701.323.0200
 F: 701.323.0300

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
 MONTANA-DAKOTA UTILITIES CO.
 MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
 STA 16+00 TO STA 46+00
 PROJECT NO. 6125-011

SHEET
 4 of 45

T:\6125-000 Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 5-7/10/2014 10:36 AM - (tpaul)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve

Houston
Engineering Inc.

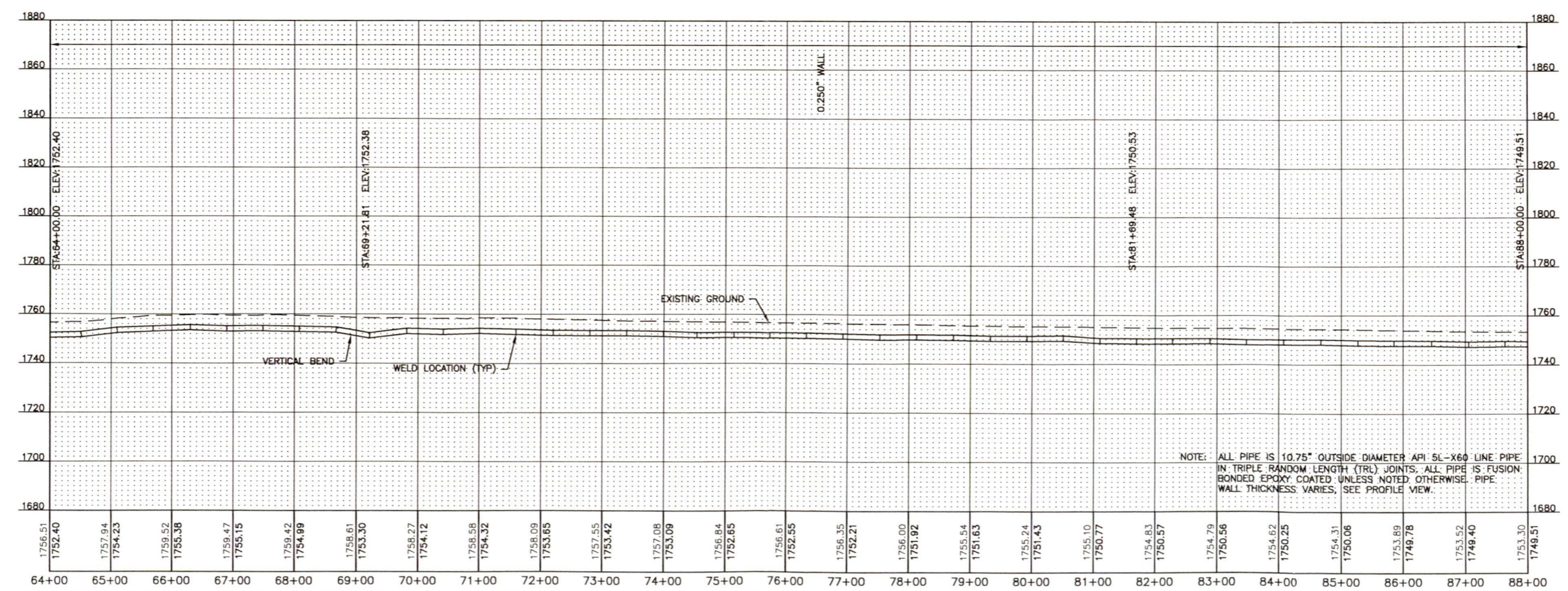
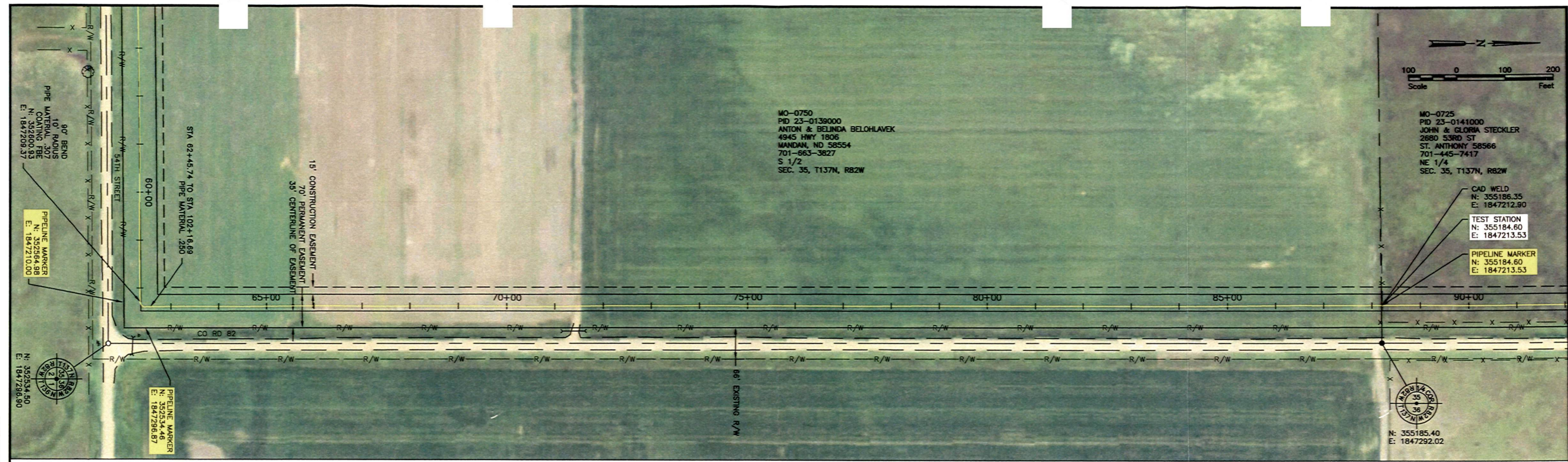
Bismarck
P: 701.323.0200
F: 701.323.0300
Drawn by TKP ZBK
Checked by SML
Date 7-10-14
Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 46+00 TO STA 64+00
PROJECT NO. 6125-011

SHEET
5 of 45

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 6-7/10/2014 10:37 AM-(tpauj)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP



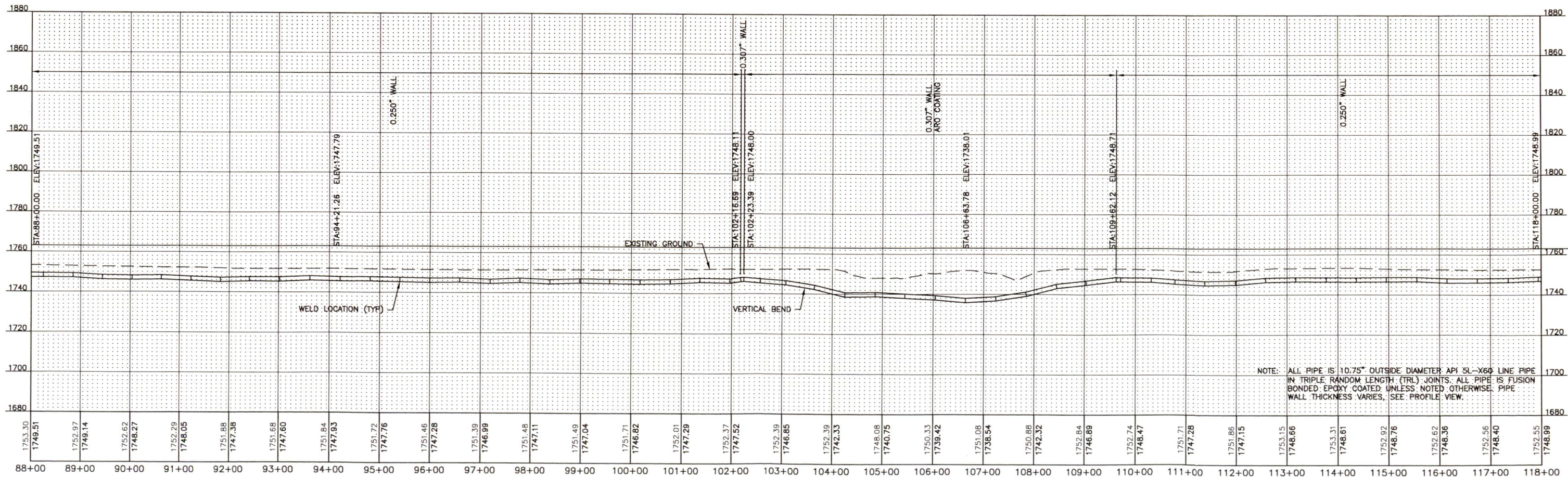
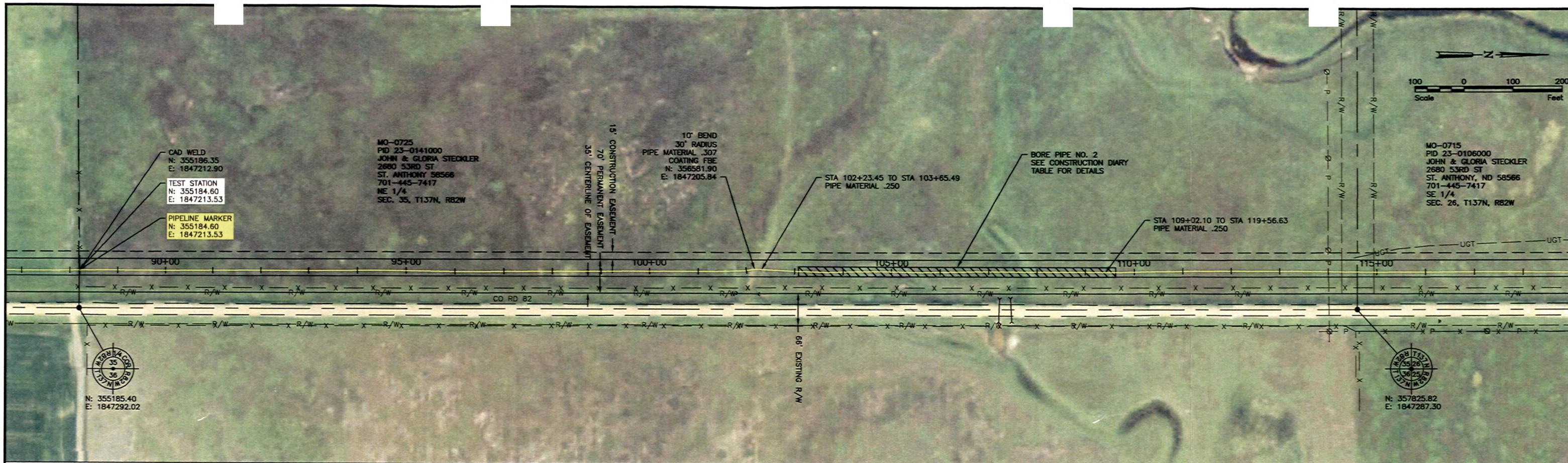
Bismarck
 Drawn by TKP ZBK
 Date 7-10-14
 Checked by SML
 Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
 MONTANA-DAKOTA UTILITIES CO.
 MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
 STA 64+00 TO STA 88+00
 PROJECT NO. 6125-011

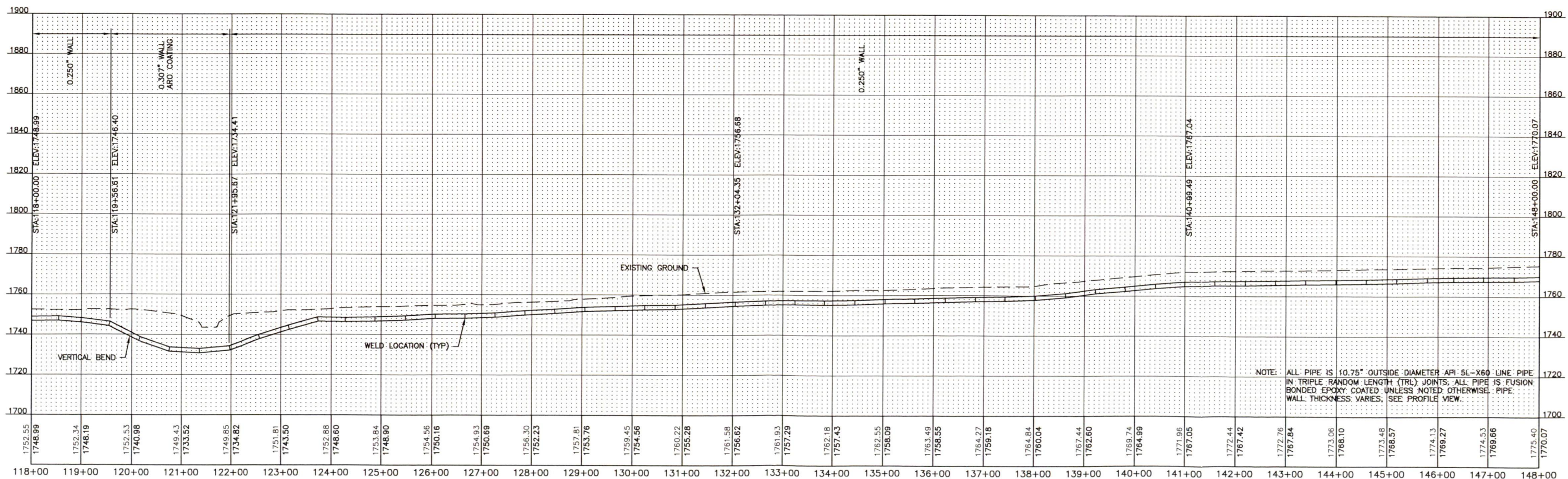
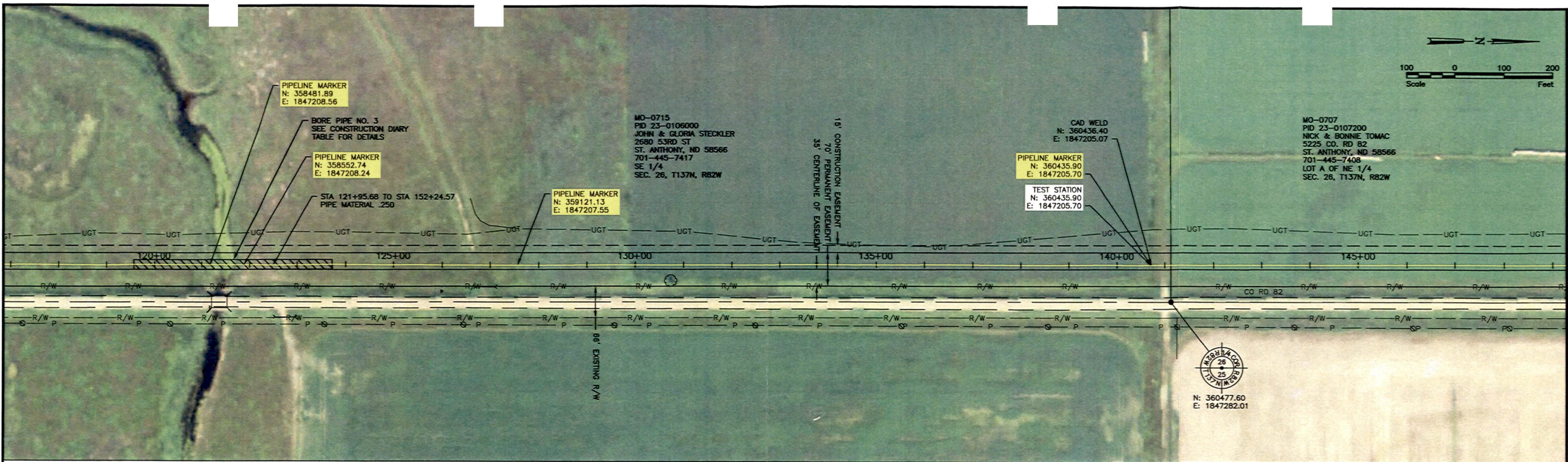
SHEET
 6 of 45

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 7-10/2014 10:38 AM-(tpau)



NOTE: ALL PIPE IS 10.75" OUTSIDE DIAMETER API 5L-X60 LINE PIPE IN TRIPLE RANDOM LENGTH (TRL) JOINTS. ALL PIPE IS FUSION BONDED EPOXY COATED UNLESS NOTED OTHERWISE. PIPE WALL THICKNESS VARIES. SEE PROFILE VIEW.

1 SURVEY AS-BUILT		7-10-14	TKP			Bismarck P: 701.323.0200 F: 701.323.0300	Drawn by TKP ZBK Date 7-10-14 Checked by SML Scale AS SHOWN	MDU R.M. HESKETT STATION PIPELINE ALIGNMENT MONTANA-DAKOTA UTILITIES CO. MORTON COUNTY, NORTH DAKOTA	PLAN & PROFILE STA 88+00 TO STA 118+00 PROJECT NO. 6125-011	SHEET 7 of 45
No.	Revision	Date	By							



T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 8-7/10/2014 10:39 AM - (tpau)

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve®

Houston Engineering Inc.

Bismarck
P: 701.323.0200
F: 701.323.0300

Drawn by TKP ZBK
Checked by SML

Date 7-10-14
Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

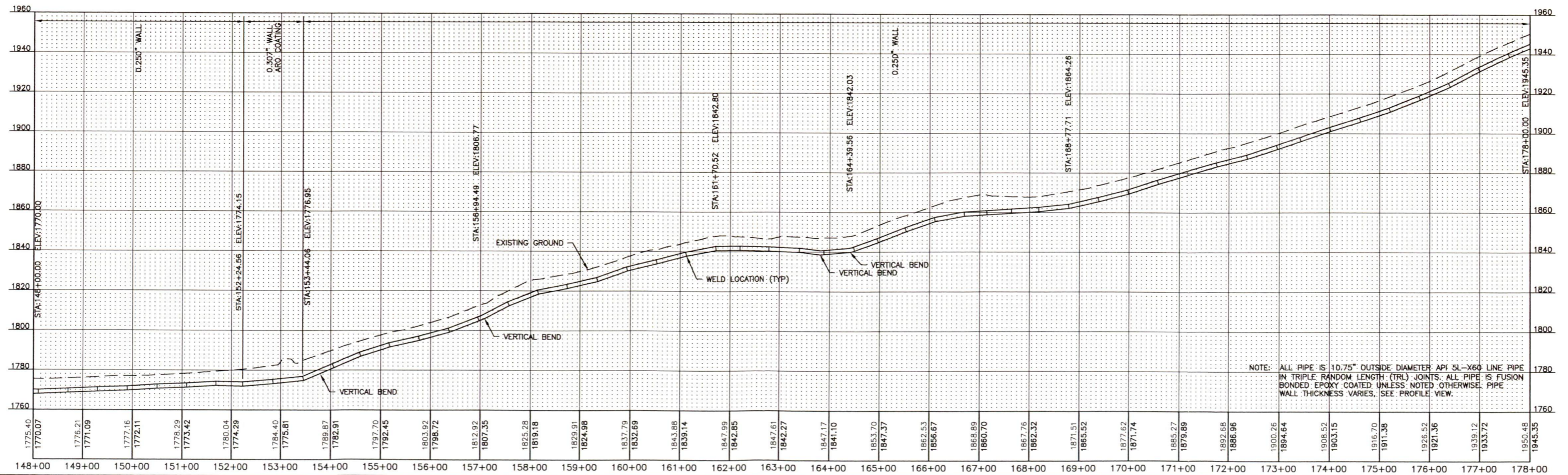
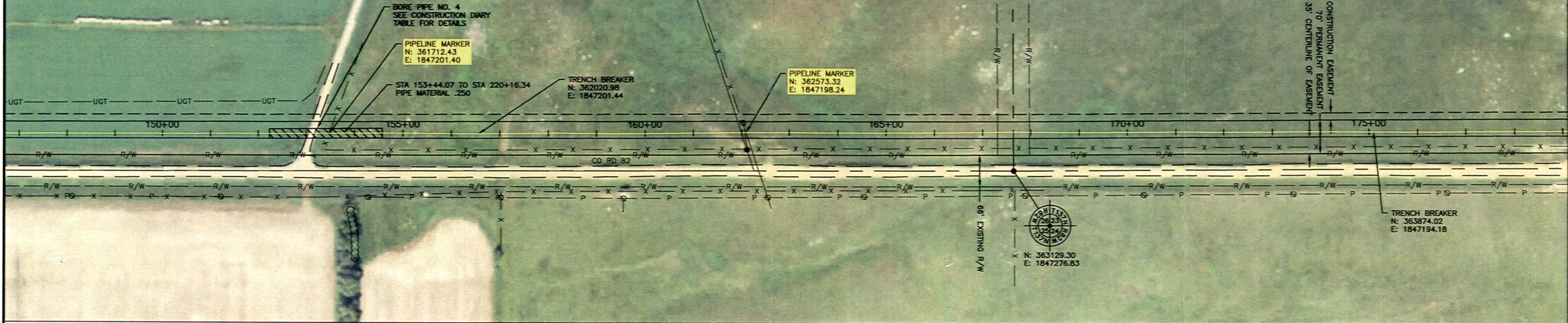
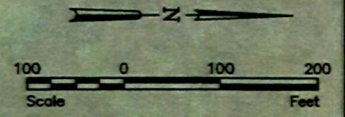
PLAN & PROFILE
STA 118+00 TO STA 148+00
PROJECT NO. 6125-011

SHEET
8 of 45

MO-0707
PID 23-0107200
NICK & BONNIE TOMAC
5225 CO. RD 82
ST. ANTHONY, ND 58566
701-445-7408
LOT A OF NE 1/4
SEC. 26, T137N, R82W

MO-0705
PID 23-0107000
EILEEN PAUL
604 6TH AVE NE
MANDAN, ND 58554
701-667-1713
PT. OF NE 1/4
SEC. 26, T137N, R82W

MO-0685/MO-0675
PID 23-0095000/23-0094000
EILEEN PAUL
604 6TH AVE NE
MANDAN, ND 58554
701-667-1713
SE 1/4
SEC. 23, T137N, R82W



T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 9-7\10\2014 10:40 AM -(tpaul)

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP



Bismarck
P: 701.323.0200
F: 701.323.0300

Drawn by
TKP ZBK

Date
7-10-14

Checked by
SML

Scale
AS SHOWN

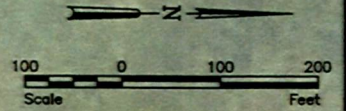
MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 148+00 TO STA 178+00
PROJECT NO. 6125-011

SHEET
9 of 45

MO-0685/MO-0675
 PID 23-0095000/23-0094000
 EILEEN PAUL
 604 6TH AVE NE
 MANDAN, ND 58554
 701-667-1713
 SE 1/4
 SEC. 23, T137N, R82W

MO-0655
 PID 23-0090000
 JEFFERY & CHARLENE OLSEN
 4410 CO. RD 83
 MANDAN, ND 58554.
 701-667-1180
 NE 1/4
 SEC. 23, T137N, R82W



15' CONSTRUCTION EASEMENT
 70' PERMANENT EASEMENT
 35' CENTERLINE OF EASEMENT

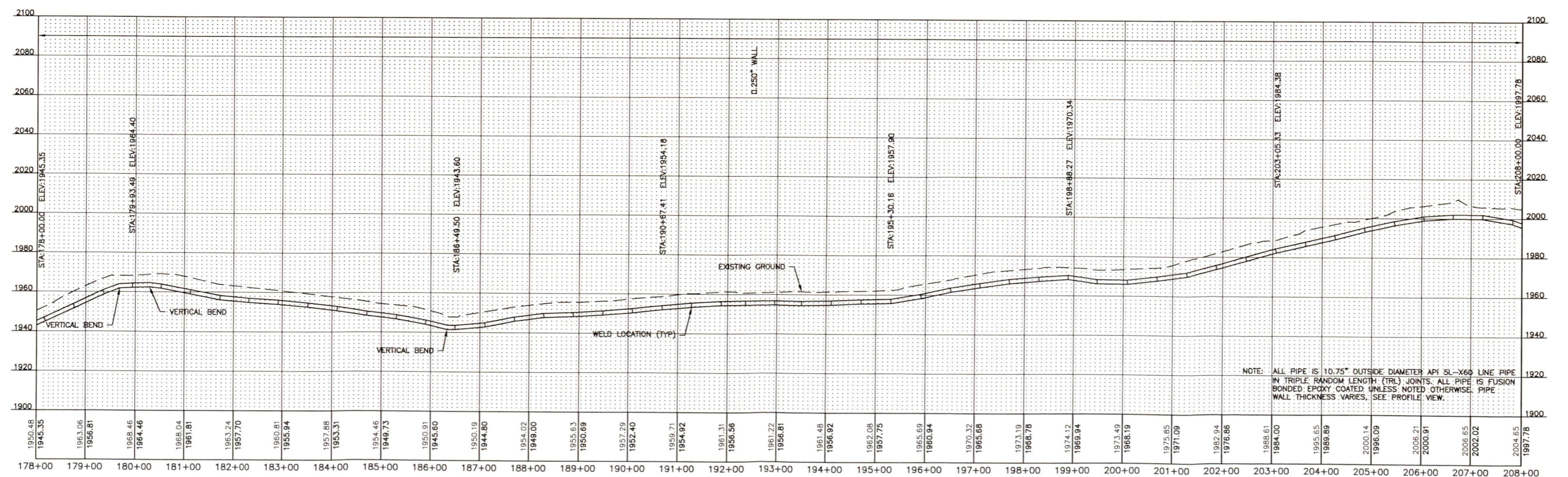
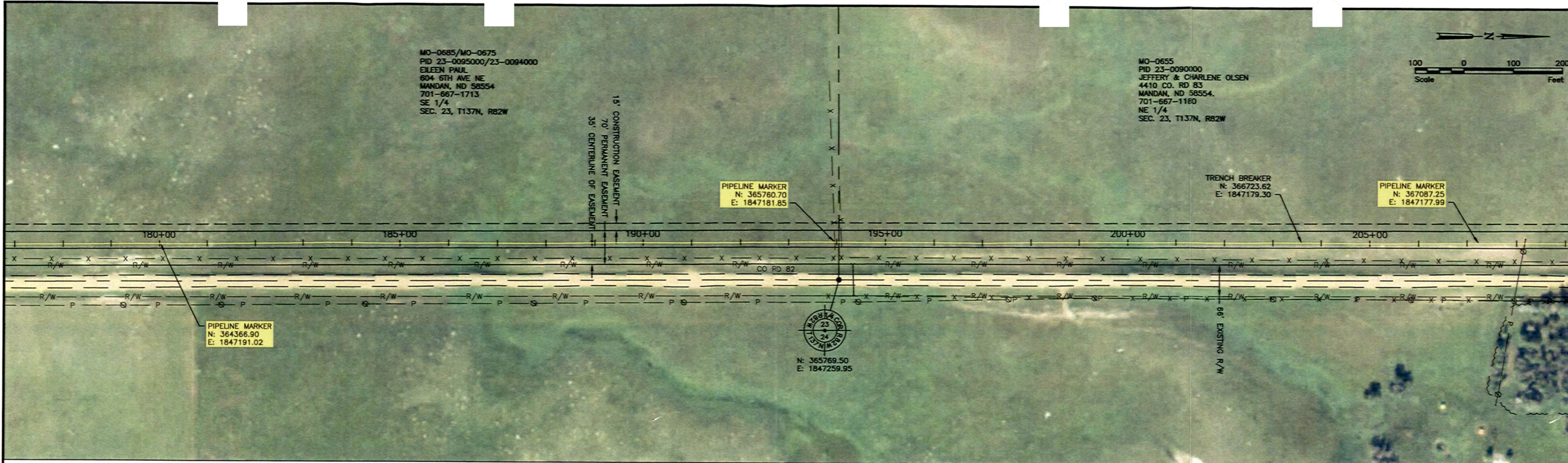
PIPELINE MARKER
 N: 365760.70
 E: 1847181.85

TRENCH BREAKER
 N: 366723.62
 E: 1847179.30

PIPELINE MARKER
 N: 367087.25
 E: 1847177.99

PIPELINE MARKER
 N: 364366.90
 E: 1847191.02

23
 24
 N: 365769.50
 E: 1847259.95



NOTE: ALL PIPE IS 10.75" OUTSIDE DIAMETER API 5L-X60 LINE PIPE IN TRIPLE RANDOM LENGTH (TRL) JOINTS. ALL PIPE IS FUSION BONDED EPOXY COATED UNLESS NOTED OTHERWISE. PIPE WALL THICKNESS VARIES. SEE PROFILE VIEW.

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 10-7/10/2014 10:41 AM - (tpaul)

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP



Bismarck
 Drawn by TKP ZBK
 Date 7-10-14
 Checked by SML
 Scale AS SHOWN

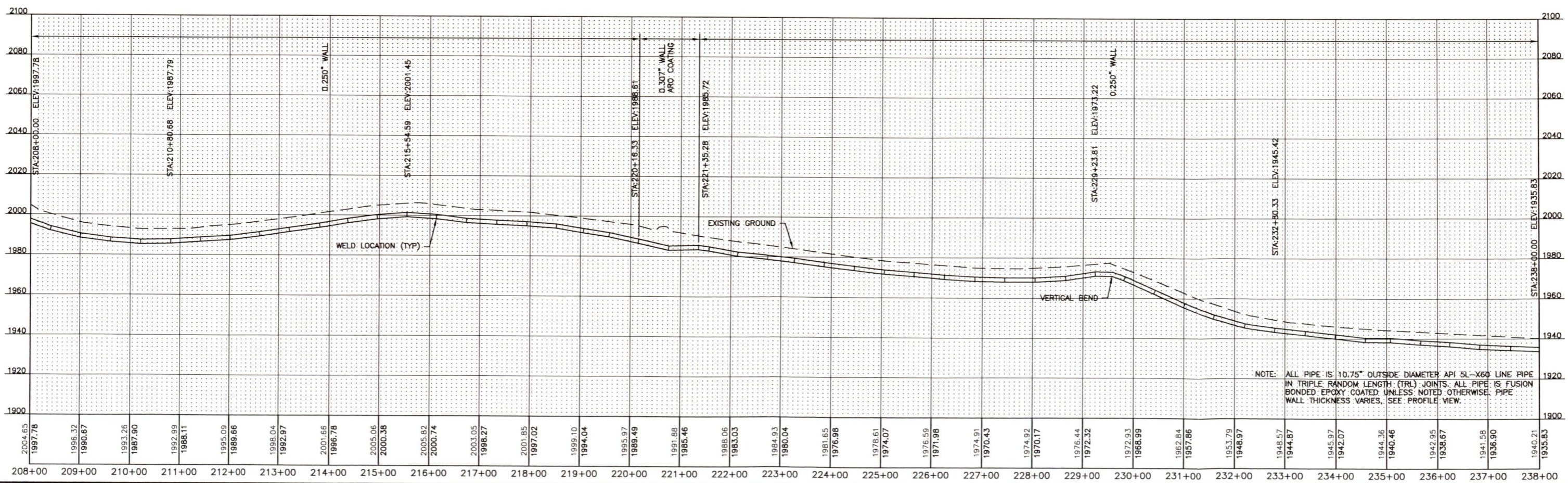
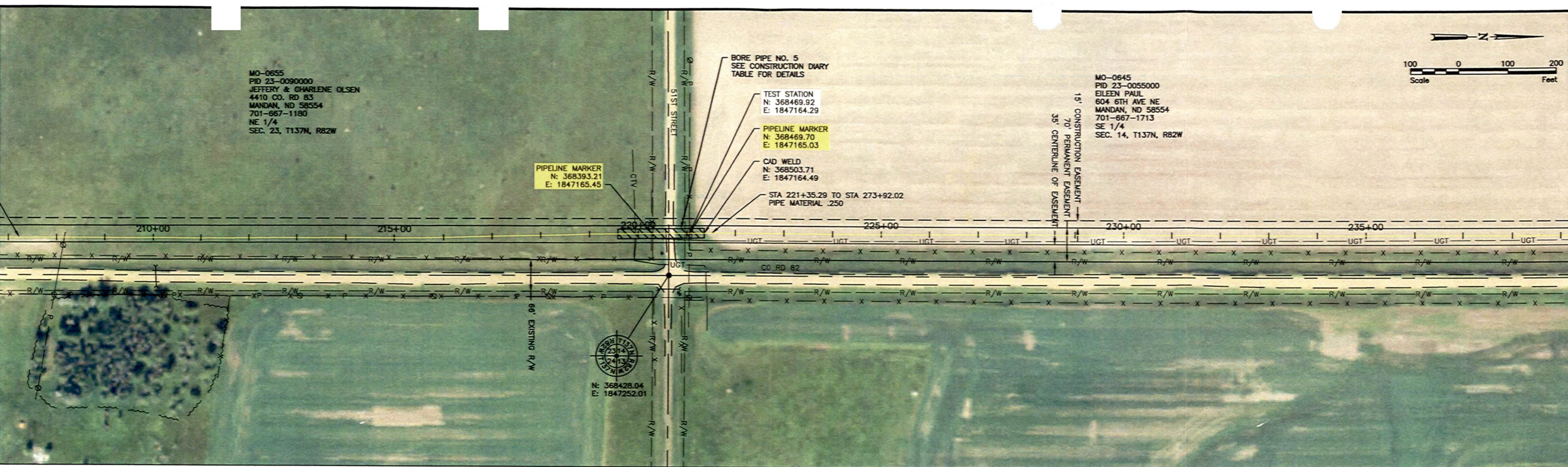
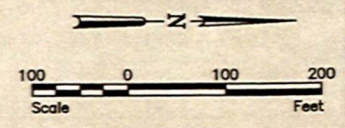
MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
 MONTANA-DAKOTA UTILITIES CO.
 MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
 STA 178+00 TO STA 208+00
 PROJECT NO. 6125-011

SHEET
 10 of 45

MO-0655
 PID 23-0090000
 JEFFERY & CHARLENE OLSEN
 4410 CO. RD 83
 MANDAN, ND 58554
 701-667-1180
 NE 1/4
 SEC. 23, T137N, R82W

MO-0645
 PID 23-0055000
 EILEEN PAUL
 604 6TH AVE NE
 MANDAN, ND 58554
 701-667-1713
 SE 1/4
 SEC. 14, T137N, R82W



T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 11-7/10/2014 11:43 AM: (tpaul)

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP



Bismarck
 P: 701.323.0200
 F: 701.323.0300

Drawn by
 TKP ZBK

Checked by
 SML

Date
 7-10-14

Scale
 AS SHOWN

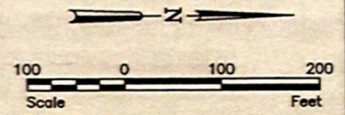
MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
 MONTANA-DAKOTA UTILITIES CO.
 MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
 STA 208+00 TO STA 238+00
 PROJECT NO. 6125-011

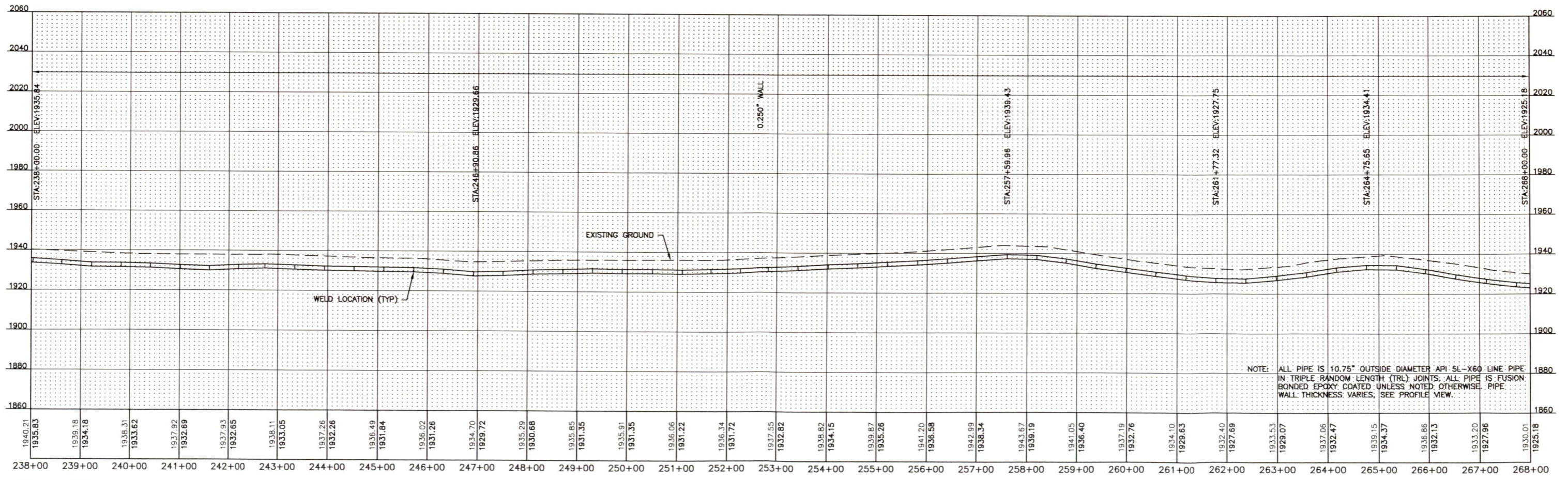
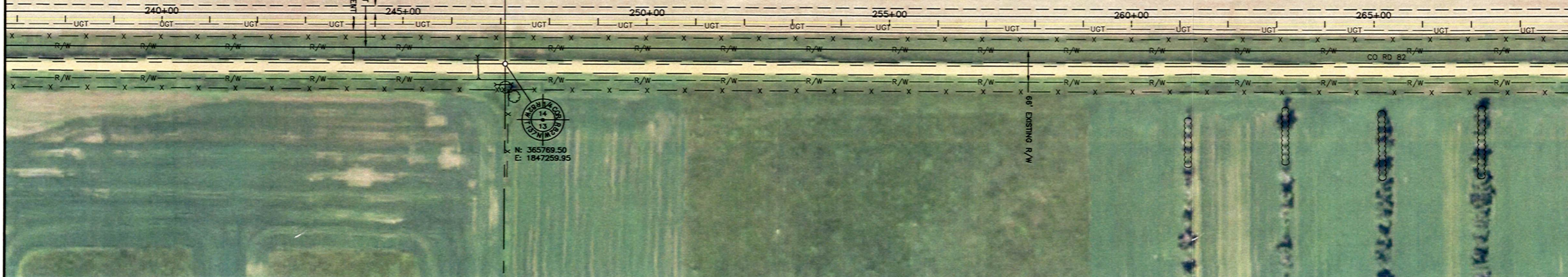
SHEET
 11 of 45

MO-0645
 PID 23-0055000
 EILEEN PAUL
 604 6TH AVE NE
 MANDAN, ND 58554
 701-667-1713
 SE 1/4
 SEC. 14, T137N, R82W

MO-0635
 PID 23-0054000
 EILEEN PAUL
 604 6TH AVE NE
 MANDAN, ND 58554
 701-667-1713
 NE 1/4
 SEC. 14, T137N, R82W

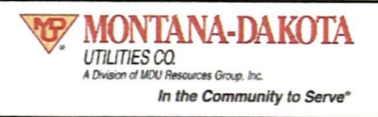


15' CONSTRUCTION EASEMENT
 70' PERMANENT EASEMENT
 35' CENTERLINE OF EASEMENT



T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 12-7/10/2014 10:43 AM (tpaul)

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP



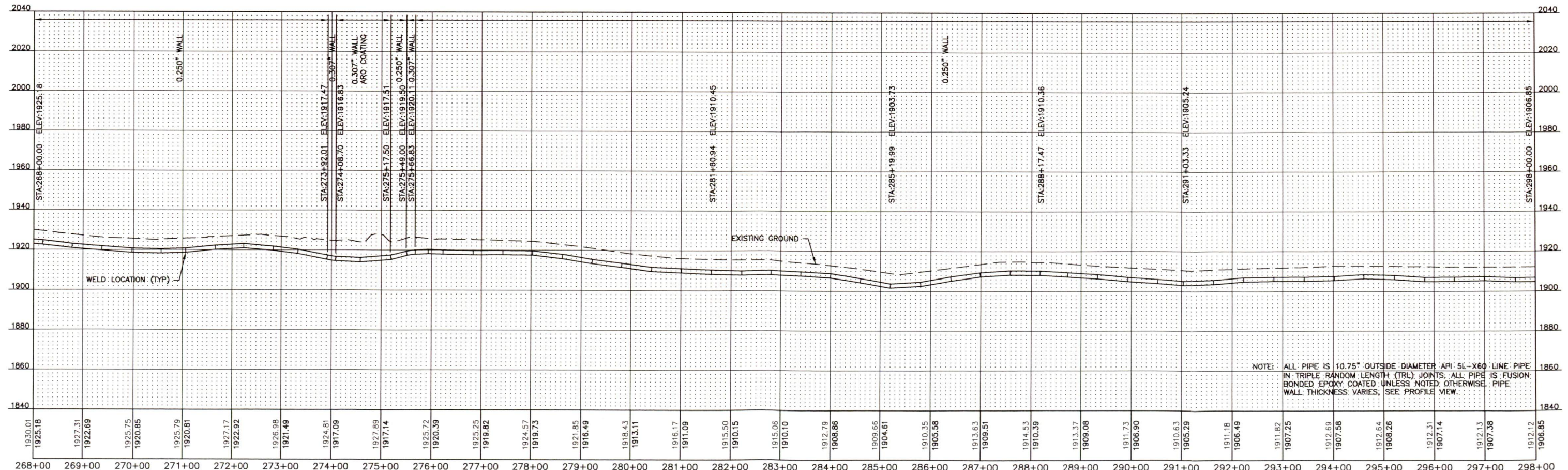
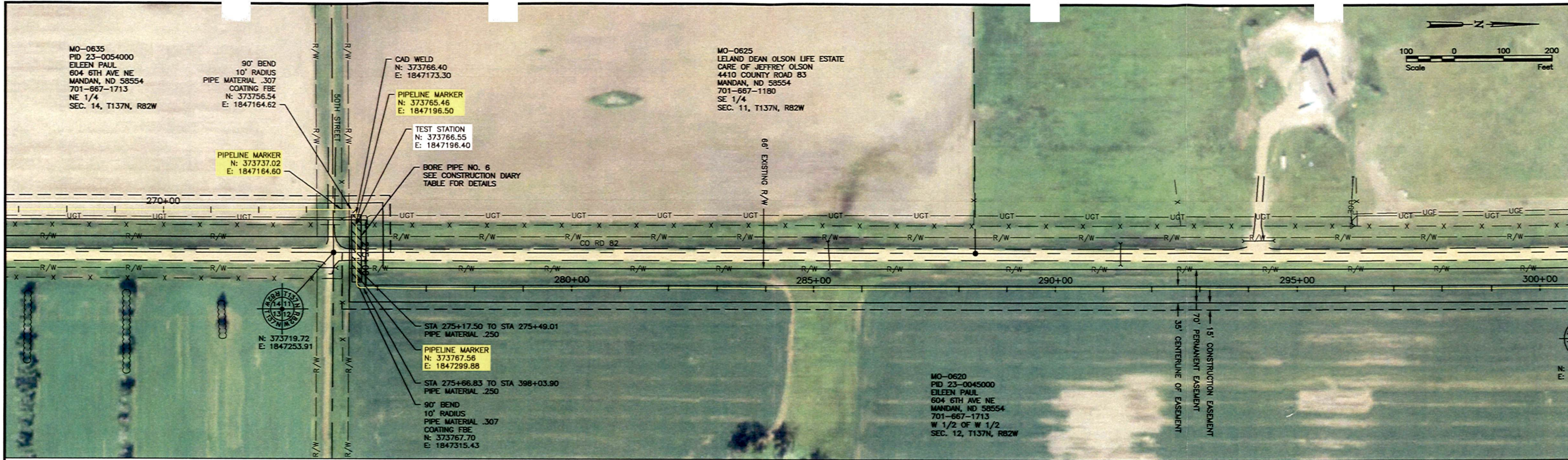
Bismarck
 P: 701.323.0200
 F: 701.323.0300
 Drawn by TKP ZBK
 Date 7-10-14
 Checked by SML
 Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
 MONTANA-DAKOTA UTILITIES CO.
 MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
 STA 238+00 TO STA 268+00
 PROJECT NO. 6125-011

SHEET
 12 of 45

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett(CAD)\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 13-7/15/2014 12:40 PM - (tpaul)



NOTE: ALL PIPE IS 10.75" OUTSIDE DIAMETER API 5L-X60 LINE PIPE IN TRIPLE RANDOM LENGTH (TRL) JOINTS. ALL PIPE IS FUSION BONDED EPOXY COATED UNLESS NOTED OTHERWISE. PIPE WALL THICKNESS VARIES, SEE PROFILE VIEW.

1	SURVEY AS-BUILT	7-10-14	TKP
No.	Revision	Date	By



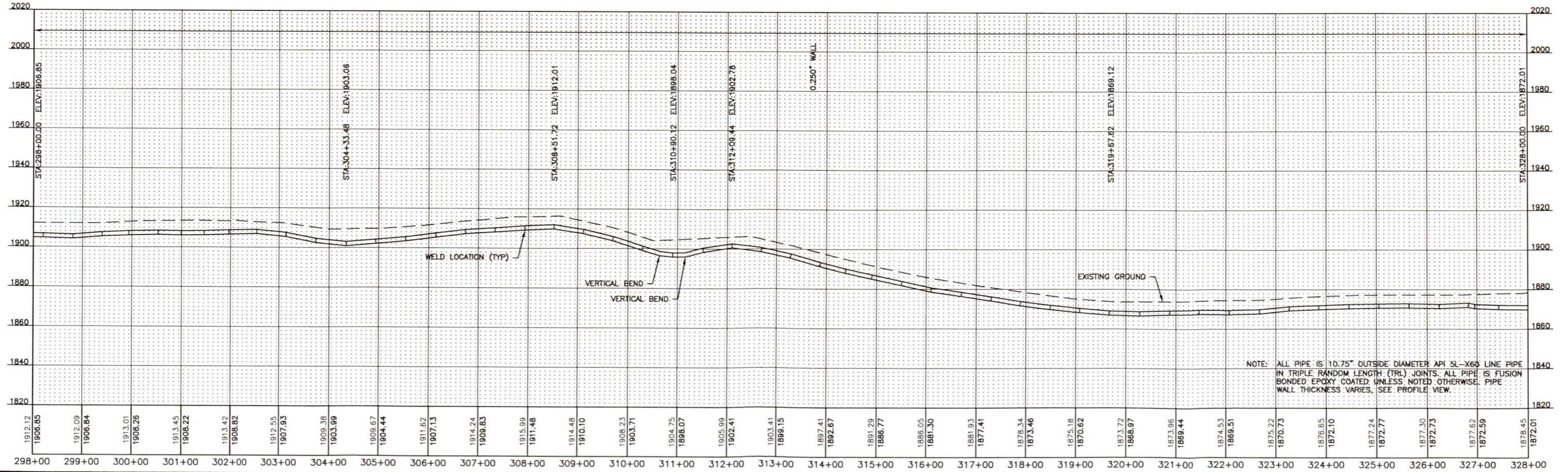
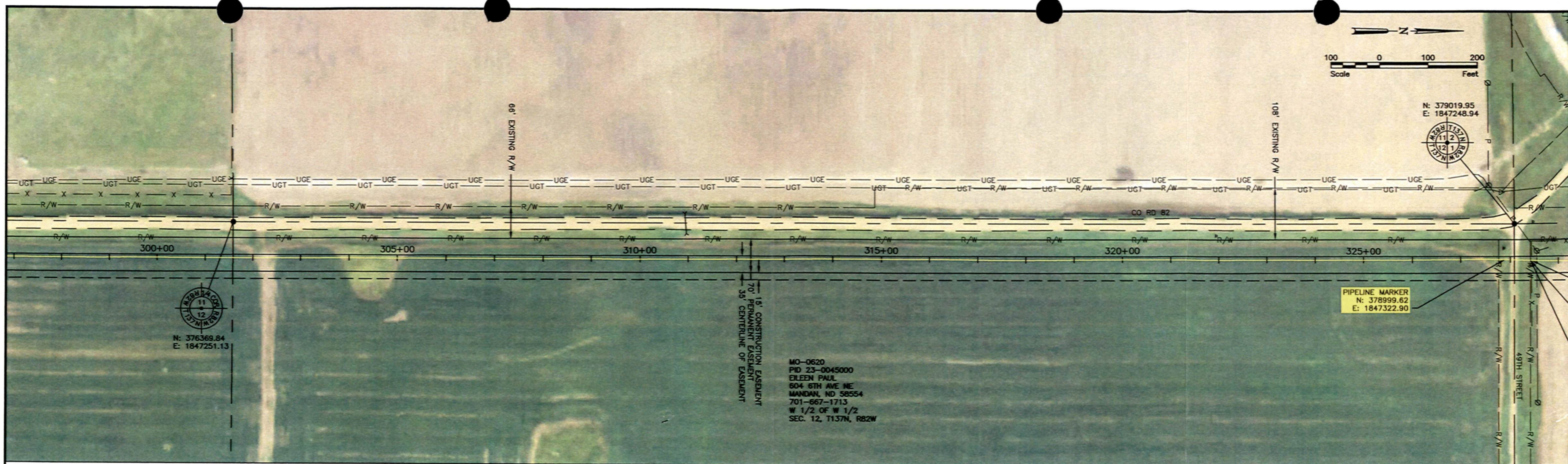
Bismarck
 Drawn by TKP ZBK
 Date 7-10-14
 Checked by SML
 Scale AS SHOWN
 P: 701.323.0200
 F: 701.323.0300

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
 MONTANA-DAKOTA UTILITIES CO.
 MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
 STA 268+00 TO STA 298+00
 PROJECT NO. 6125-011

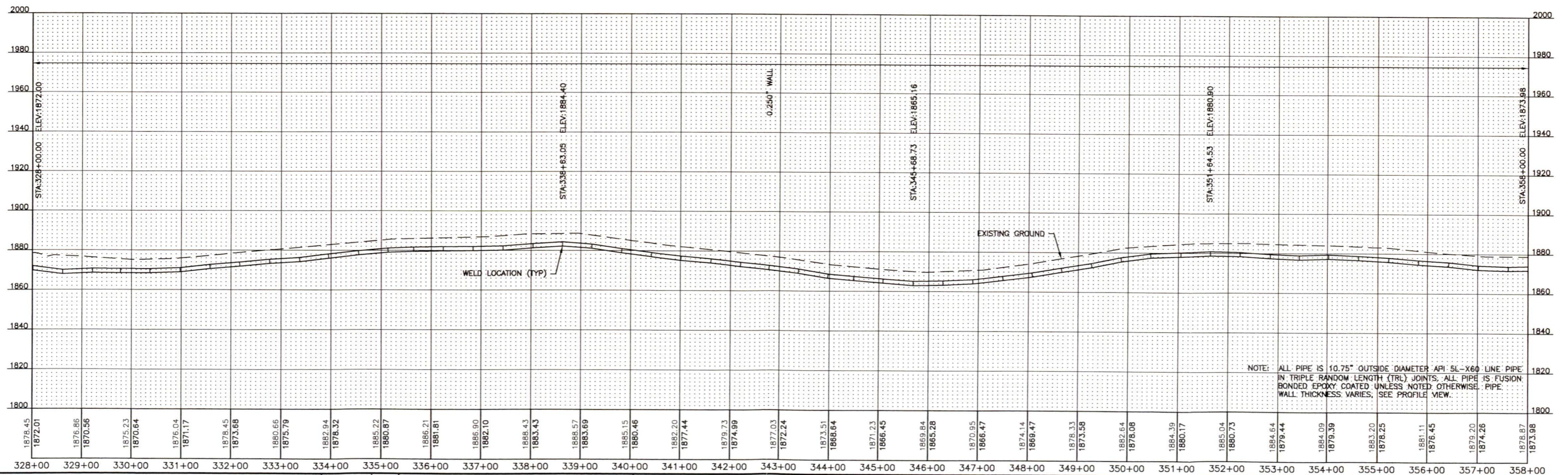
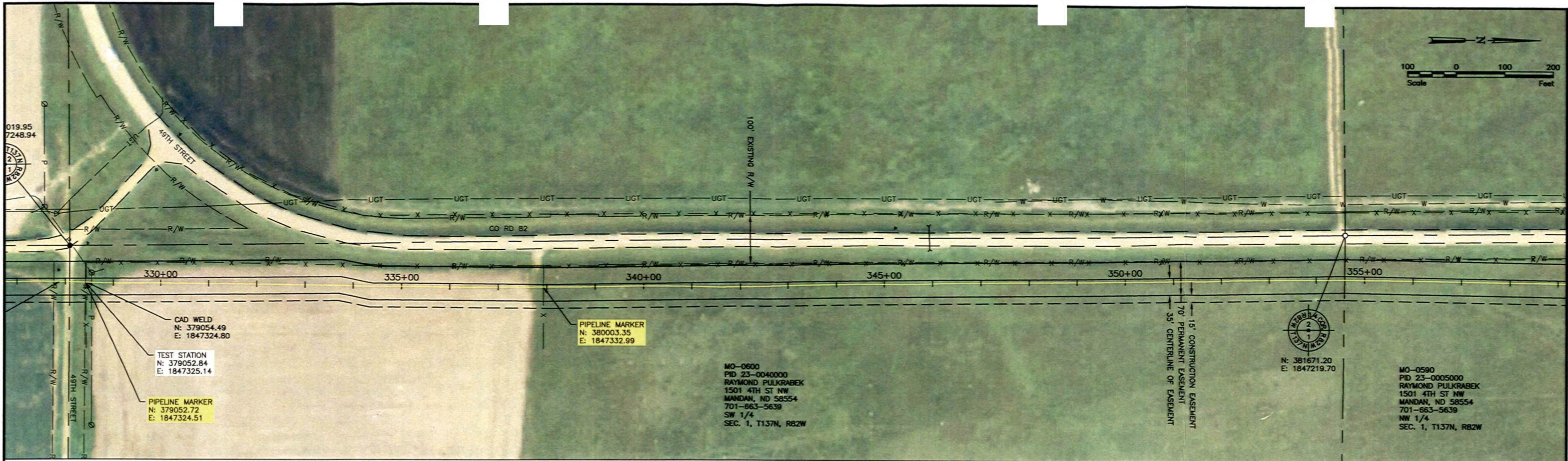
SHEET
 13 of 45

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 14-7/10/2014 10:45 AM - (tpaul)



				Bismarck P: 701.323.0200 F: 701.323.0300		Drawn by TKP ZBK Date 7-10-14		MDU R.M. HESKETT STATION PIPELINE ALIGNMENT MONTANA-DAKOTA UTILITIES CO. MORTON COUNTY, NORTH DAKOTA		PLAN & PROFILE STA 298+00 TO STA 328+00 PROJECT NO. 6125-011		SHEET 14 of 45	
1 SURVEY AS-BUILT Date 7-10-14 By TKP						Checked by SML Scale AS SHOWN							

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 15-7\10/2014 10:46 AM - (tpau)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP



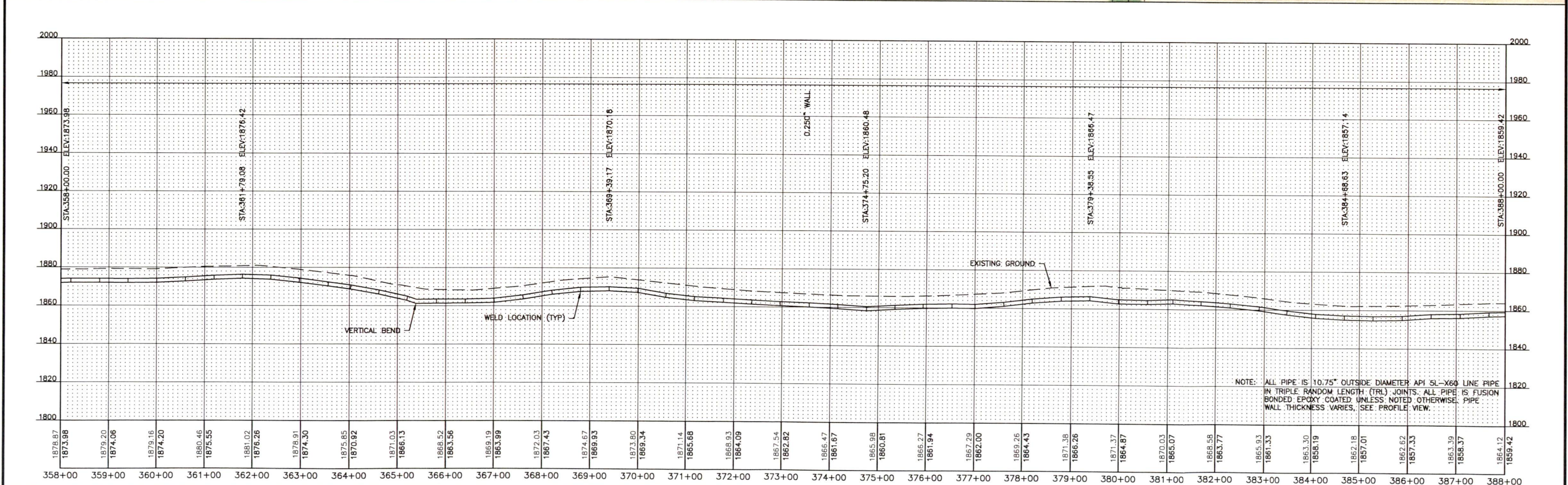
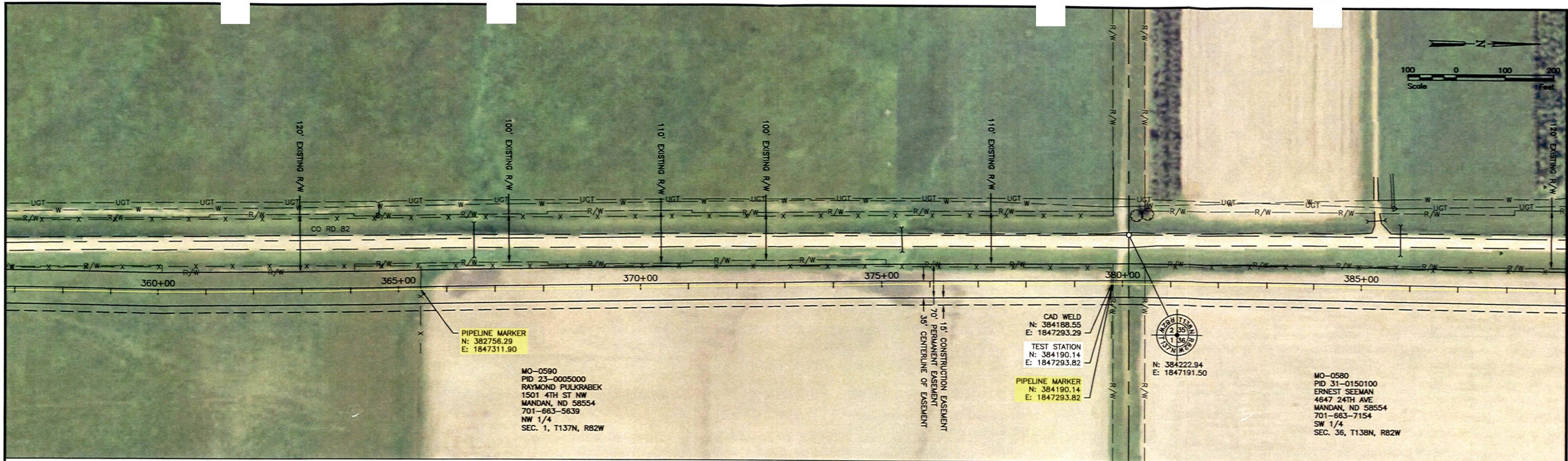
Bismarck
P: 701.323.0200
F: 701.323.0300

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 328+00 TO STA 358+00
PROJECT NO. 6125-011

SHEET
15 of 45

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 16-7/10/2014 10:47 AM (tpaul)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve

Houston Engineering Inc.

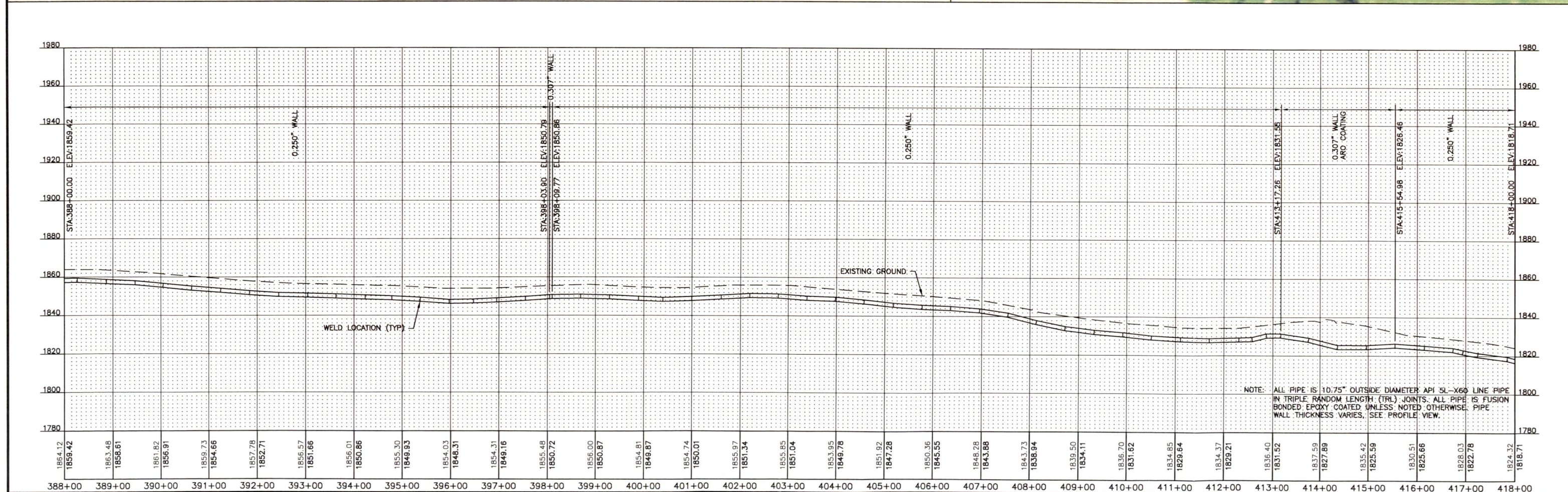
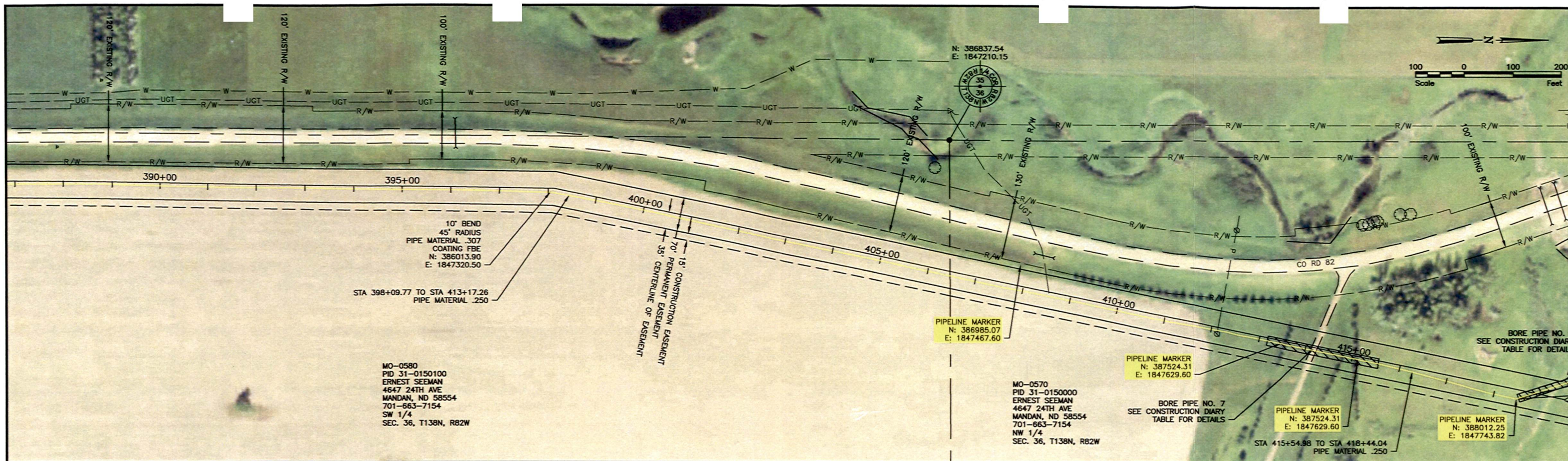
Bismarck
P: 701.323.0200
F: 701.323.0300

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 358+00 TO STA 388+00
PROJECT NO. 6125-011

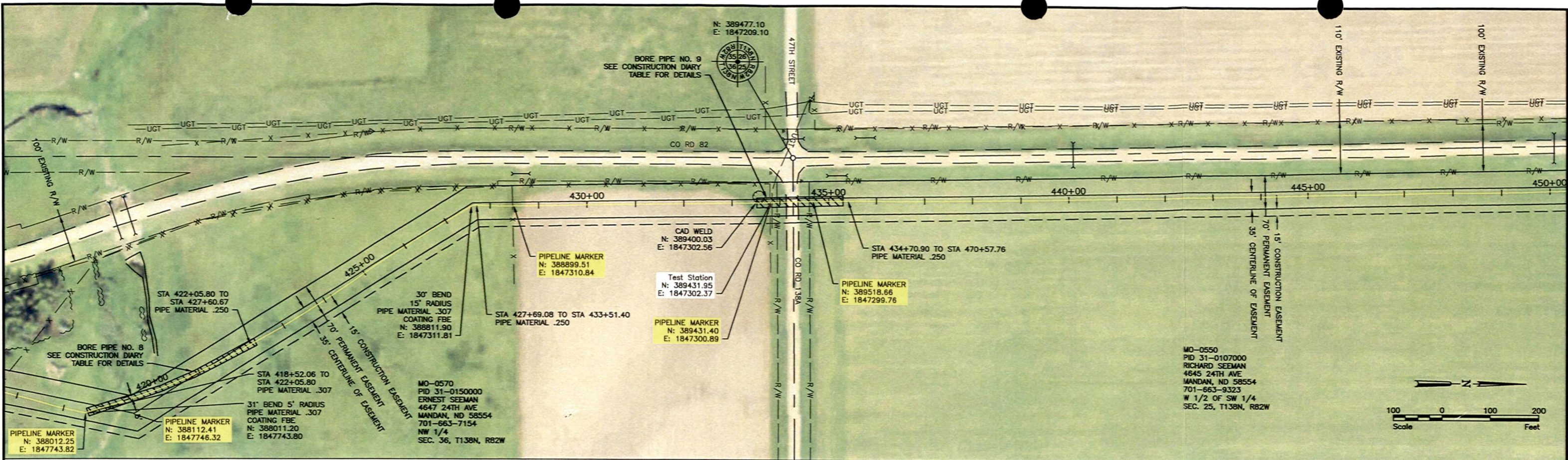
SHEET
16 of 45

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 17-17/10/2014 10:48 AM - (paul)

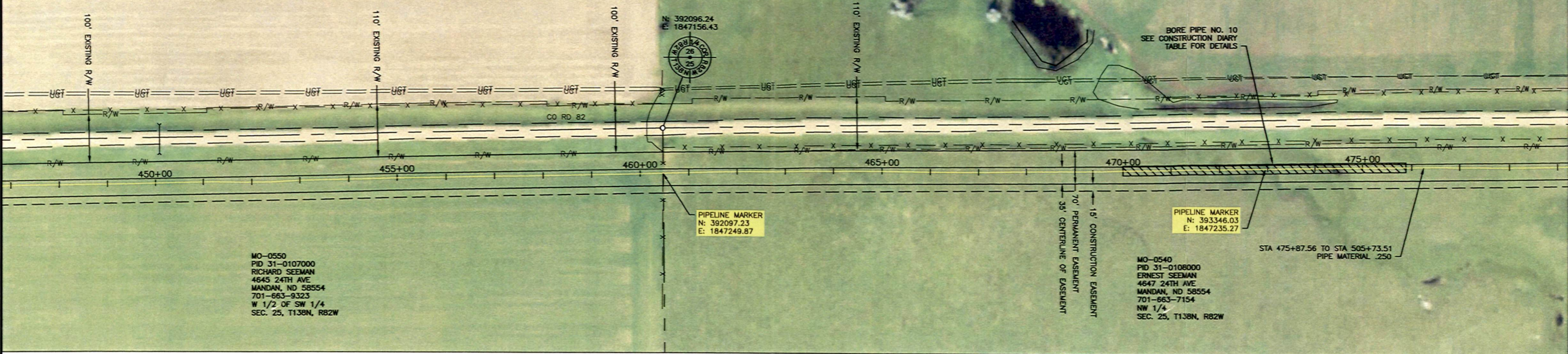
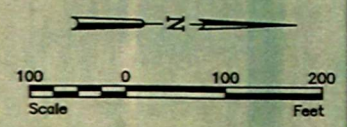


				Bismarck P: 701.323.0200 F: 701.323.0300		Drawn by TKP ZBK Date 7-10-14		MDU R.M. HESKETT STATION PIPELINE ALIGNMENT MONTANA-DAKOTA UTILITIES CO. MORTON COUNTY, NORTH DAKOTA		PLAN & PROFILE STA 388+00 TO STA 418+00 PROJECT NO. 6125-011		SHEET 17 of 45	
No.	Revision	Date	By			Scale AS SHOWN							
1	SURVEY AS-BUILT	7-10-14	TKP										

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 18-7/10/2014 10:49 AM - (tpauj)



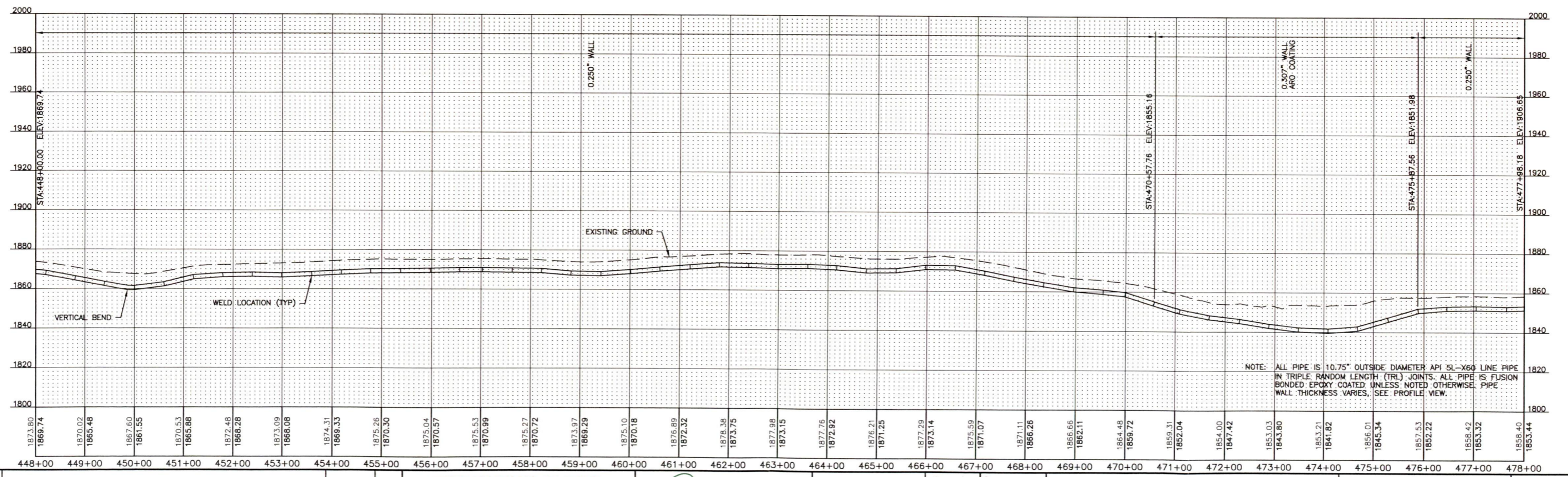
1 SURVEY AS-BUILT		7-10-14	TKP	 	Bismarck	Drawn by TKP ZBK	Date 7-10-14	MDU R.M. HESKETT STATION PIPELINE ALIGNMENT MONTANA-DAKOTA UTILITIES CO. MORTON COUNTY, NORTH DAKOTA	PLAN & PROFILE STA 418+00 TO STA 448+00 PROJECT NO. 6125-011	SHEET 18 of 45
No.	Revision	Date	By		P: 701.323.0200 F: 701.323.0300	Checked by SML	Scale AS SHOWN			



MO-0550
PID 31-0107000
RICHARD SEEMAN
4645 24TH AVE
MANDAN, ND 58554
701-663-9323
W 1/2 OF SW 1/4
SEC. 25, T138N, R82W

MO-0540
PID 31-0108000
ERNEST SEEMAN
4647 24TH AVE
MANDAN, ND 58554
701-663-7154
NW 1/4
SEC. 25, T138N, R82W

STA 475+87.56 TO STA 505+73.51
PIPE MATERIAL .250



NOTE: ALL PIPE IS 10.75" OUTSIDE DIAMETER API 5L-X60 LINE PIPE IN TRIPLE RANDOM LENGTH (TRL) JOINTS. ALL PIPE IS FUSION BONDED EPOXY COATED UNLESS NOTED OTHERWISE. PIPE WALL THICKNESS VARIES, SEE PROFILE VIEW.

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAO\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 19-7/10/2014 10:50 AM - (tpaul)

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve

Houston Engineering Inc.

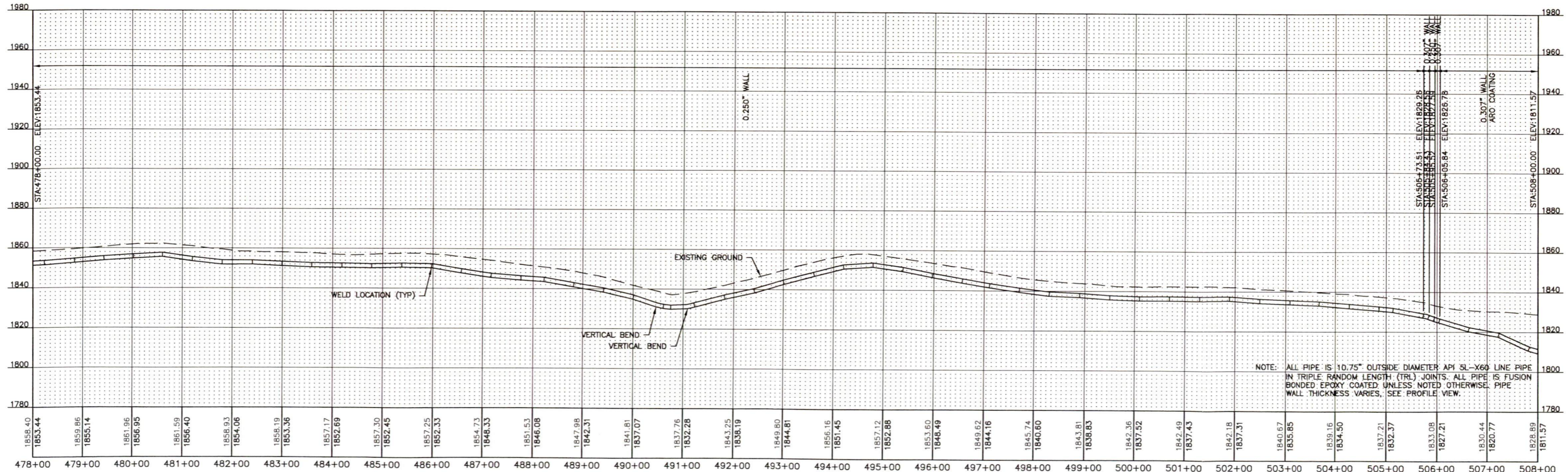
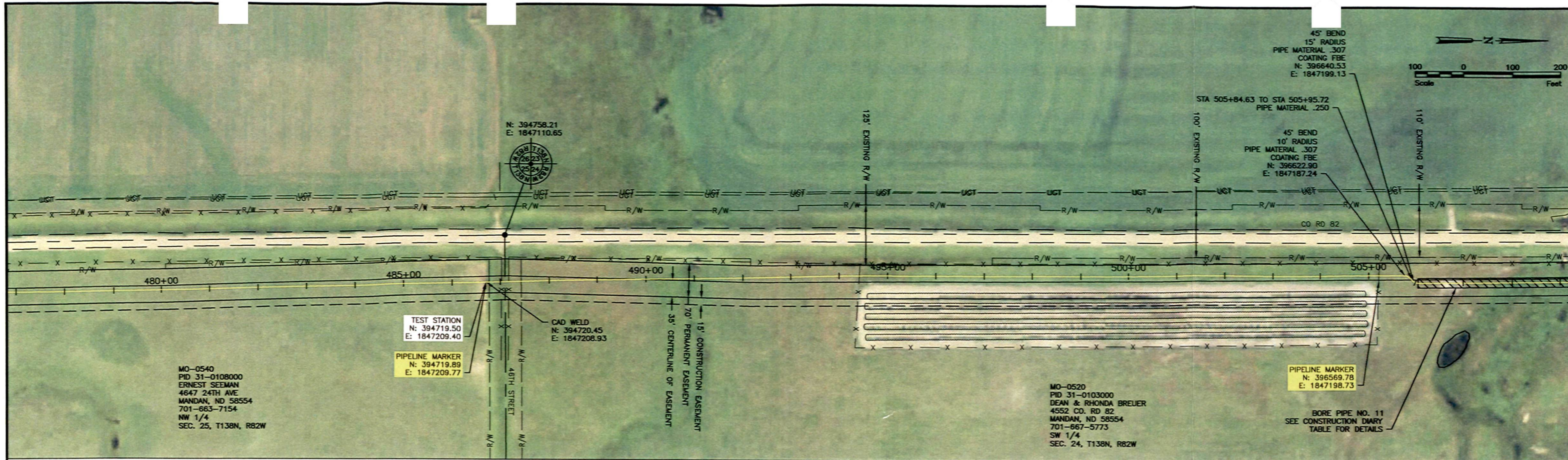
Bismarck
Drawn by TKP ZBK
Date 7-10-14
Checked by SML
Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 448+00 TO STA 478+00
PROJECT NO. 6125-011

SHEET
19 of 45

T:\6125-000 Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 20-7/10/2014 10:51 AM - (tpau)



NOTE: ALL PIPE IS 10.75\"/>

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve

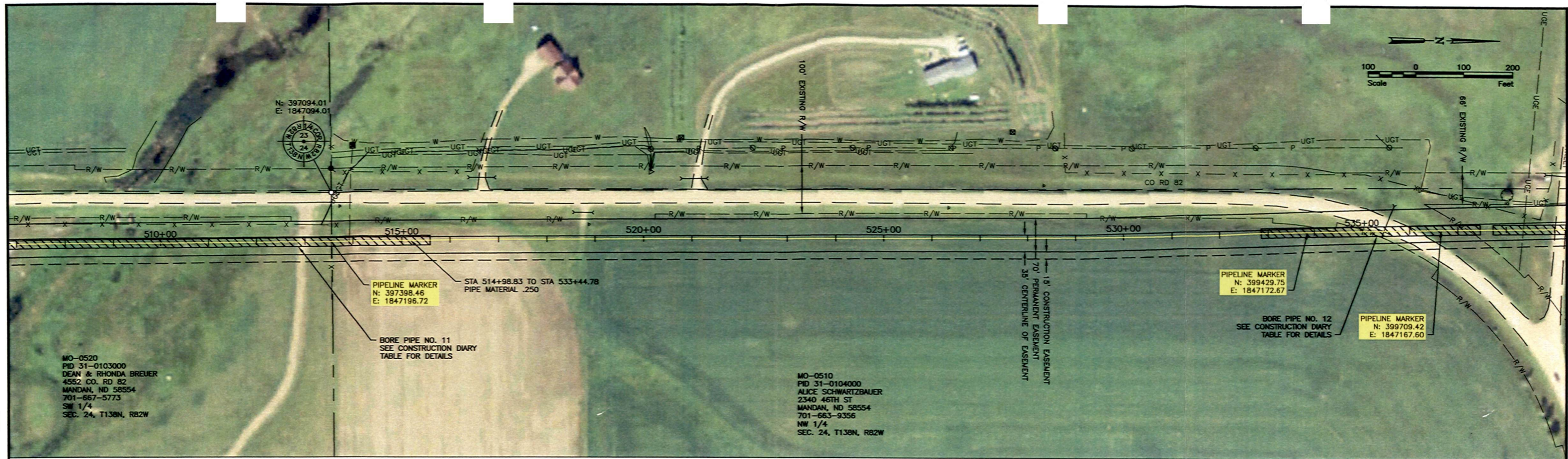
Houston
Engineering Inc.

Bismarck
P: 701.323.0200
F: 701.323.0300
Drawn by TKP ZBK
Checked by SML
Date 7-10-14
Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

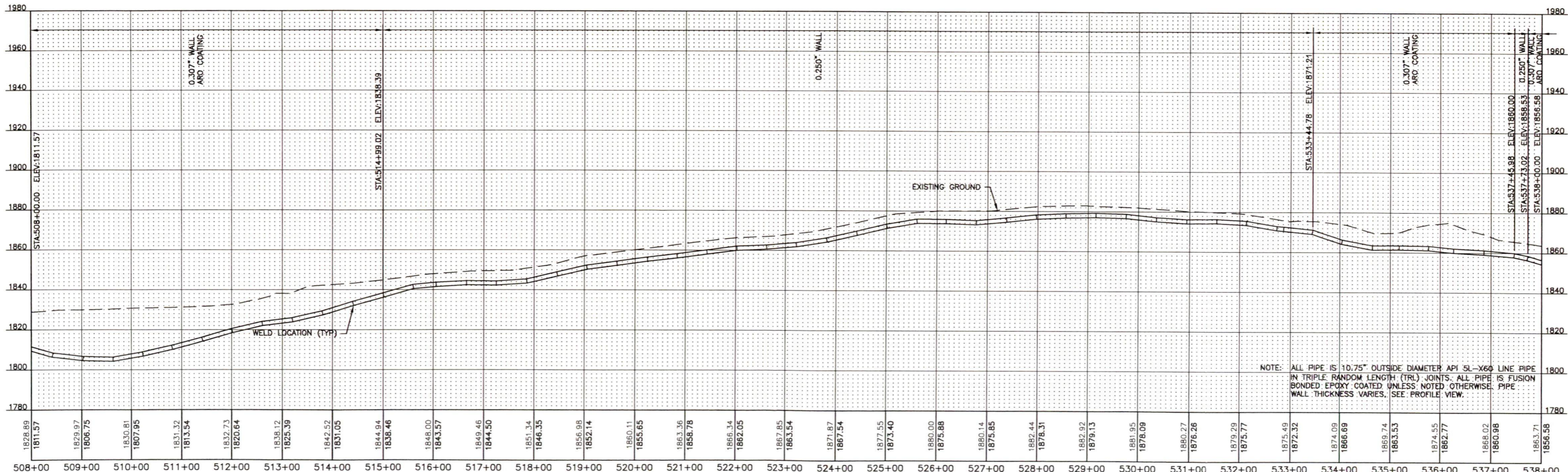
PLAN & PROFILE
STA 478+00 TO STA 508+00
PROJECT NO. 6125-011

SHEET
20 of 45



MO-0520
 PID 31-0103000
 DEAN & RHONDA BREUER
 4552 CO. RD 82
 MANDAN, ND 58554
 701-667-5773
 SW 1/4
 SEC. 24, T138N, R82W

MO-0510
 PID 31-0104000
 ALICE SCHWARTZBAUER
 2340 46TH ST
 MANDAN, ND 58554
 701-663-9356
 NW 1/4
 SEC. 24, T138N, R82W



NOTE: ALL PIPE IS 10.75" OUTSIDE DIAMETER API 5L-X60 LINE PIPE IN TRIPLE RANDOM LENGTH (TRL) JOINTS. ALL PIPE IS FUSION BONDED EPOXY COATED UNLESS NOTED OTHERWISE. PIPE WALL THICKNESS VARIES. SEE PROFILE VIEW.

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP



Bismarck
 P: 701.323.0200
 F: 701.323.0300
 Drawn by TKP ZBK
 Date 7-10-14
 Checked by SML
 Scale AS SHOWN

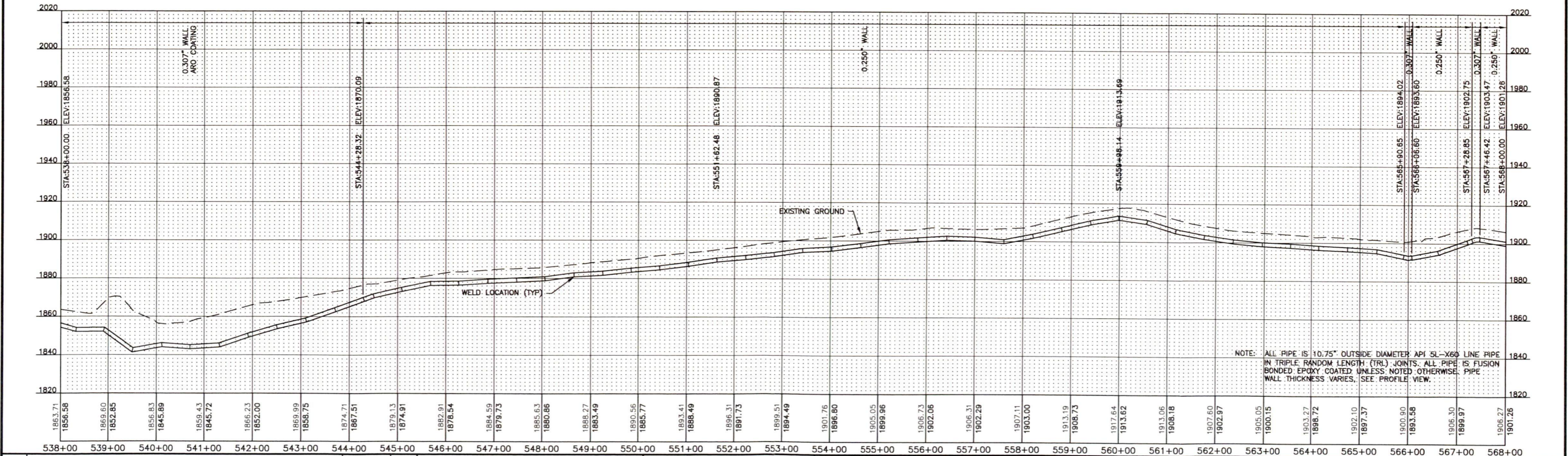
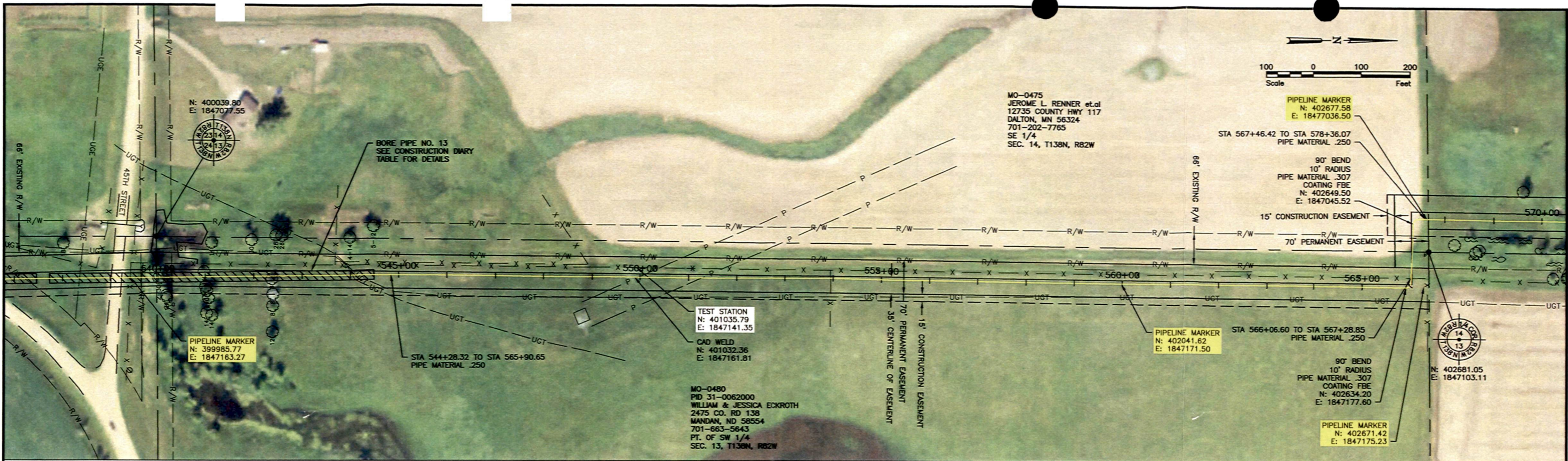
MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
 MONTANA-DAKOTA UTILITIES CO.
 MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
 STA 508+00 TO STA 538+00
 PROJECT NO. 6125-011

SHEET
 21 of 45

T:\6125-000 Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 21-7/10/2014 10:52 AM - (tpau)

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 22-7/10/2014 10:53 AM - (tpaul)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve®

Houston Engineering Inc.

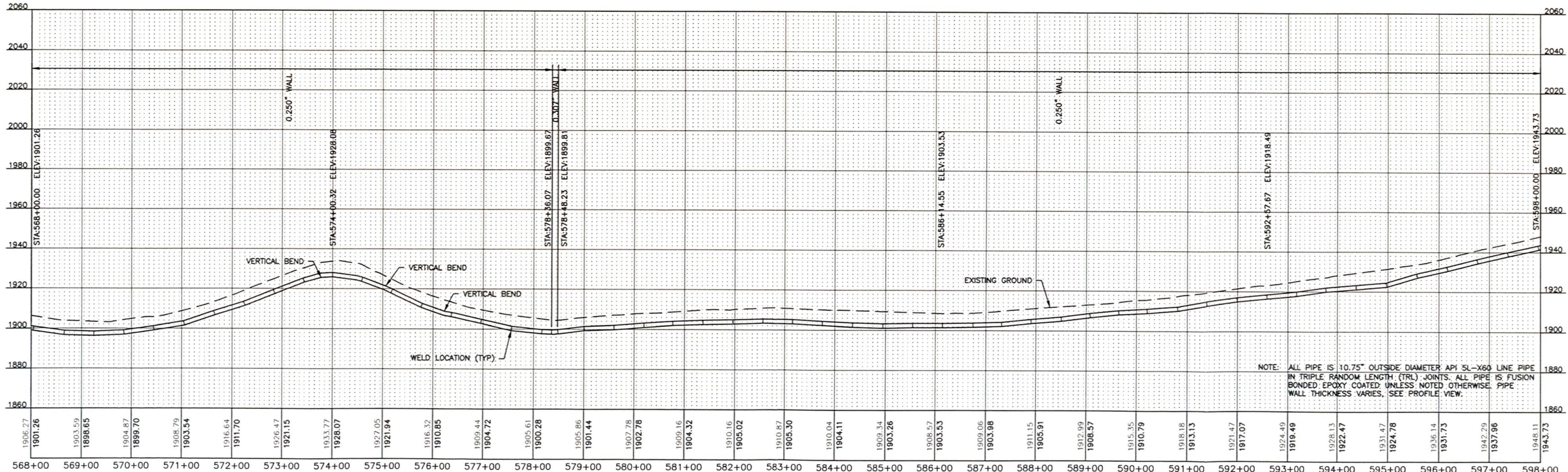
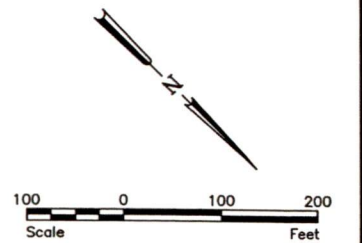
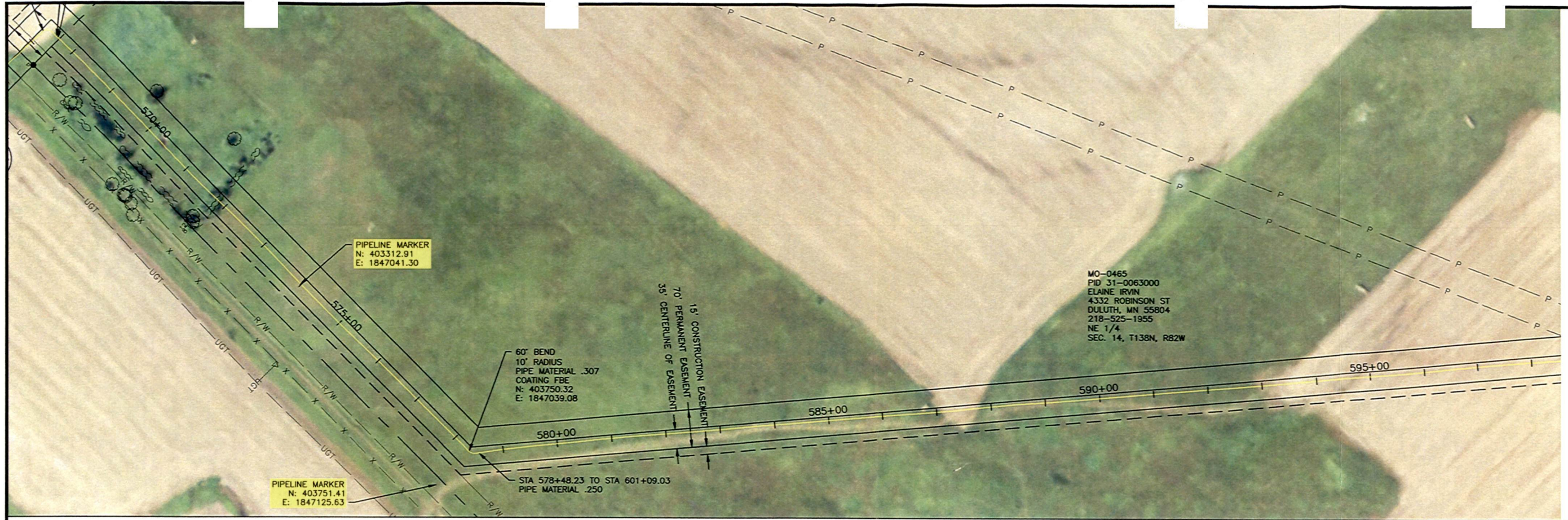
Bismarck
P: 701.323.0200
F: 701.323.0300

Drawn by TKP ZBK
Date 7-10-14
Checked by SML
Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 538+00 TO STA 568+00
PROJECT NO. 6125-011

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 23-7/10/2014 10:54 AM - (tpaul)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve

Houston Engineering Inc.

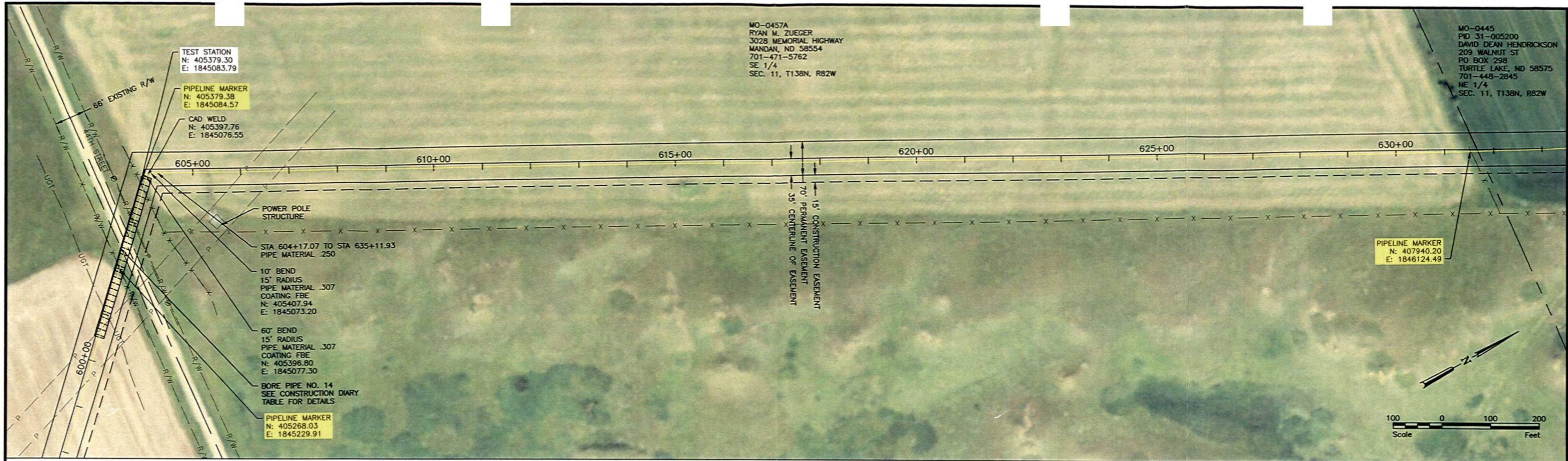
Bismarck
P: 701.323.0200
F: 701.323.0300

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 568+00 TO STA 598+00
PROJECT NO. 6125-011

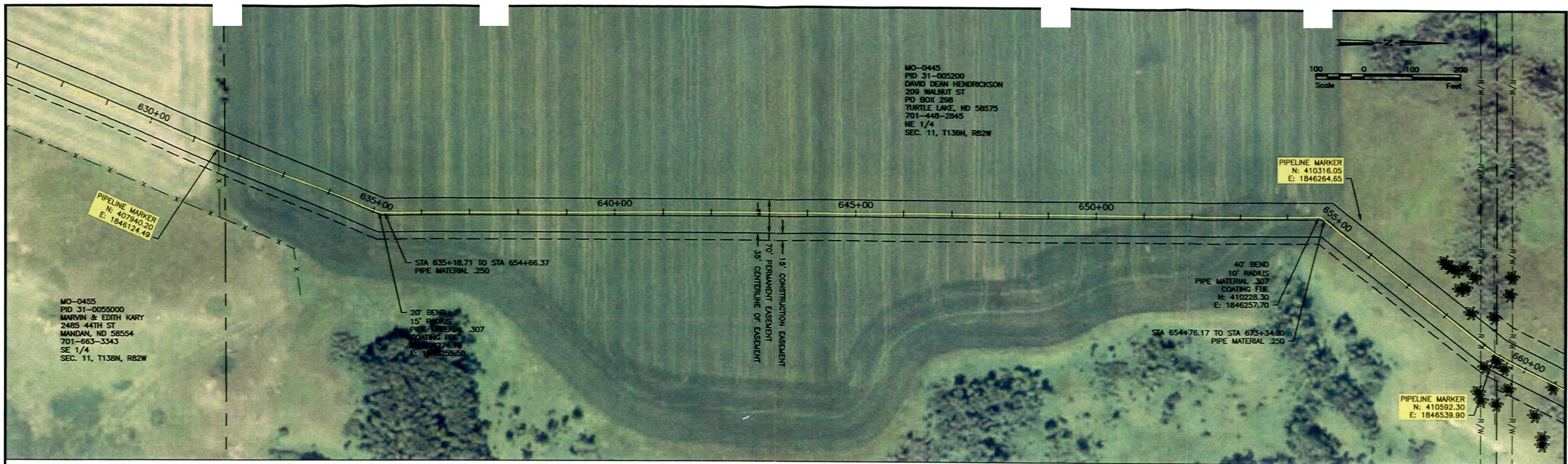
SHEET
23 of 45

T:\6125-XX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 24-7/10/2014 10:55 AM - (tpaul)



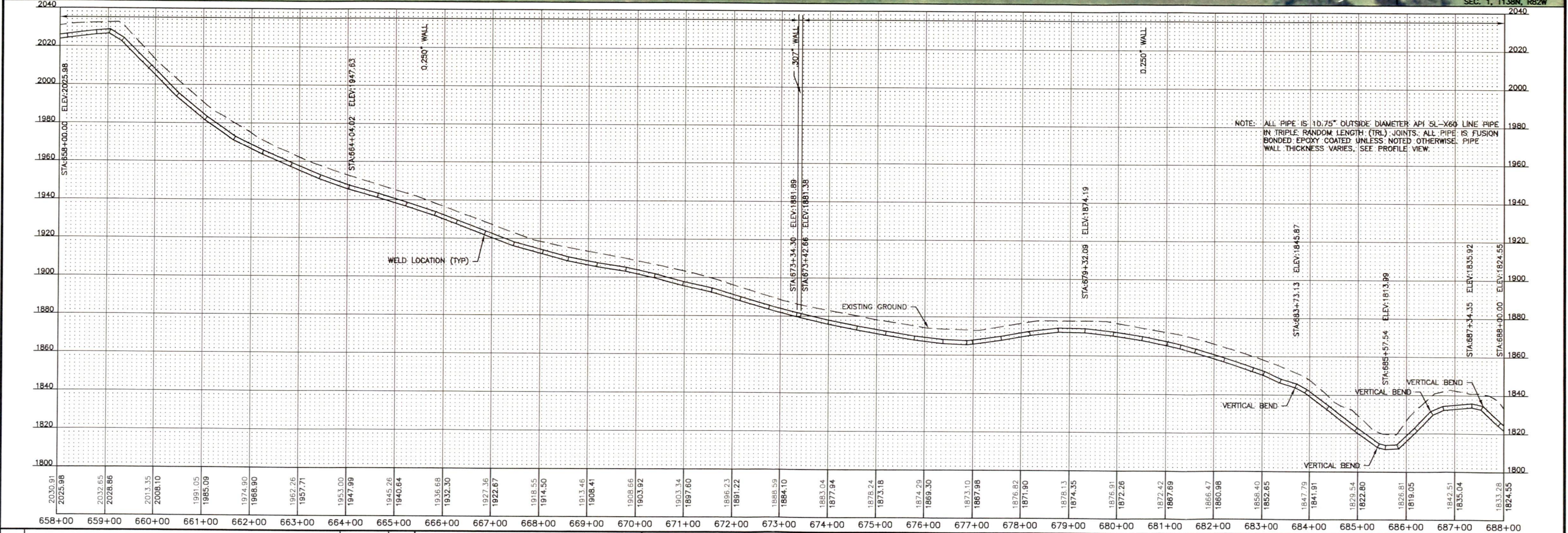
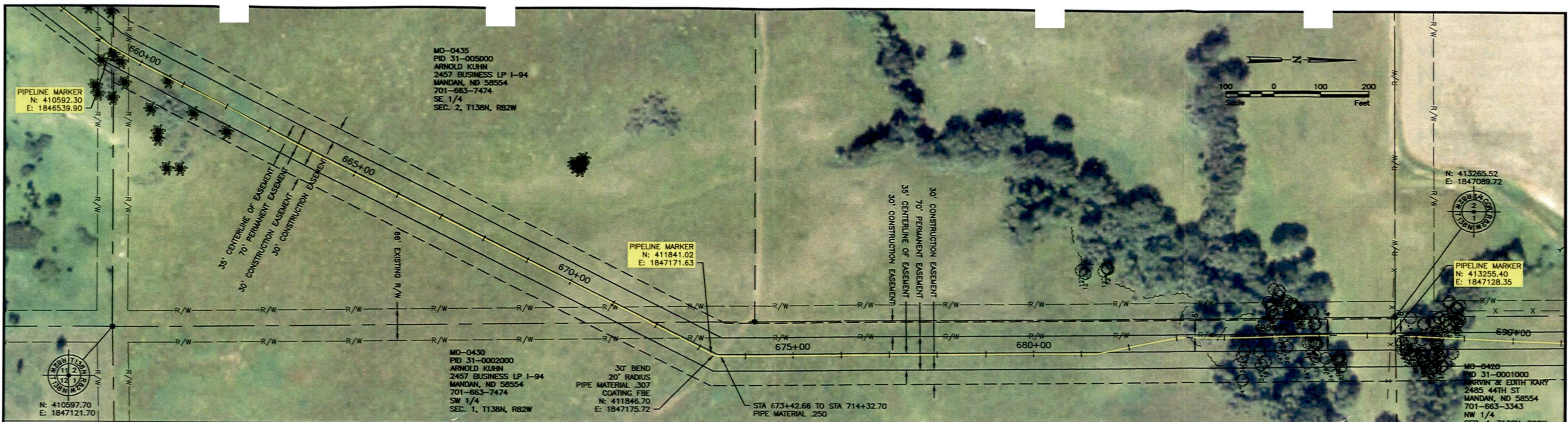
1 SURVEY AS-BUILT		7-10-14	TKP	 	Bismarck	Drawn by TKP ZBK	Date 7-10-14	MDU R.M. HESKETT STATION PIPELINE ALIGNMENT MONTANA-DAKOTA UTILITIES CO. MORTON COUNTY, NORTH DAKOTA	PLAN & PROFILE STA 598+00 TO STA 628+00 PROJECT NO. 6125-011	SHEET 24 of 45
No.	Revision	Date	By		P: 701.323.0200 F: 701.323.0300	Checked by SML	Scale AS SHOWN			

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 25-7/10/2014 10:56 AM - (tpau)



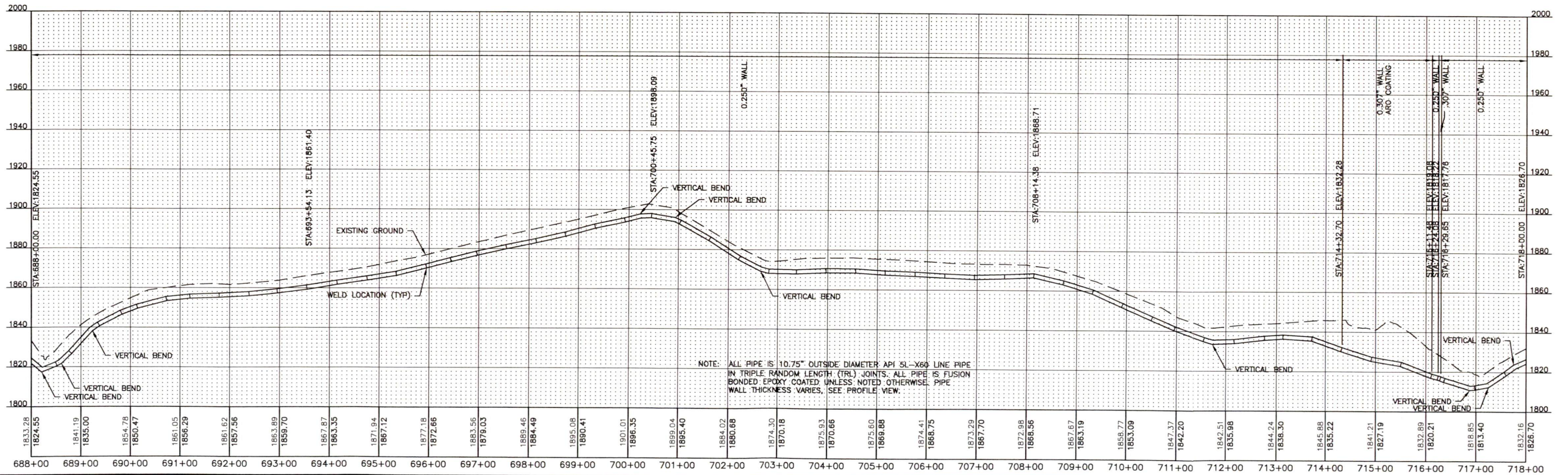
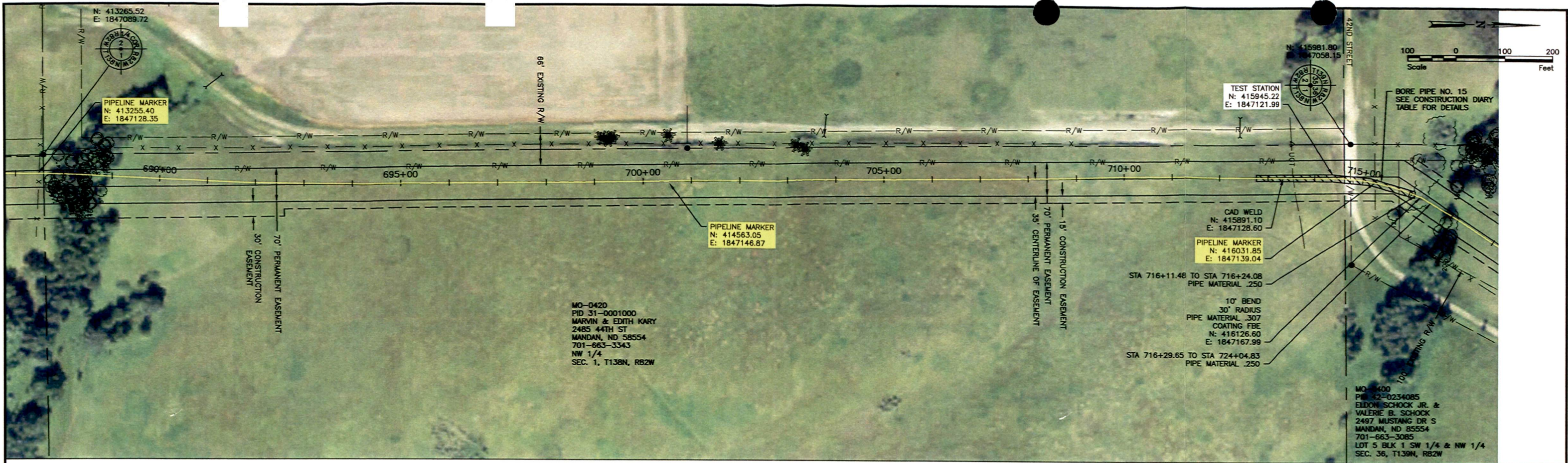
				Bismarck P: 701.323.0200 F: 701.323.0300		Drawn by TKP ZBK Date 7-10-14		MDU R.M. HESKETT STATION PIPELINE ALIGNMENT MONTANA-DAKOTA UTILITIES CO. MORTON COUNTY, NORTH DAKOTA		PLAN & PROFILE STA 628+00 TO STA 658+00 PROJECT NO. 6125-011		SHEET 25 of 45	
1 SURVEY AS-BUILT No. Revision		7-10-14 Date By		TKP TYP									

T:\6125-XXX-Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 26-7/10/2014 10:57 AM (tpaul)



1 SURVEY AS-BUILT		7-10-14	TKP	 A Division of MDU Resources Group, Inc. In the Community to Serve®	 Houston Engineering Inc.	Bismarck	Drawn by TKP ZBK	Date 7-10-14	MDU R.M. HESKETT STATION PIPELINE ALIGNMENT MONTANA-DAKOTA UTILITIES CO. MORTON COUNTY, NORTH DAKOTA	PLAN & PROFILE STA 658+00 TO STA 688+00 PROJECT NO. 6125-011	SHEET 26 of 45
No.	Revision	Date	By			P: 701.323.0200 F: 701.323.0300	Checked by SML	Scale AS SHOWN			

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 27-77\2014 10:58 AM - (tpaul)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve

Houston Engineering Inc.

Bismarck
P: 701.323.0200
F: 701.323.0300

Drawn by TKP ZBK
Checked by SML

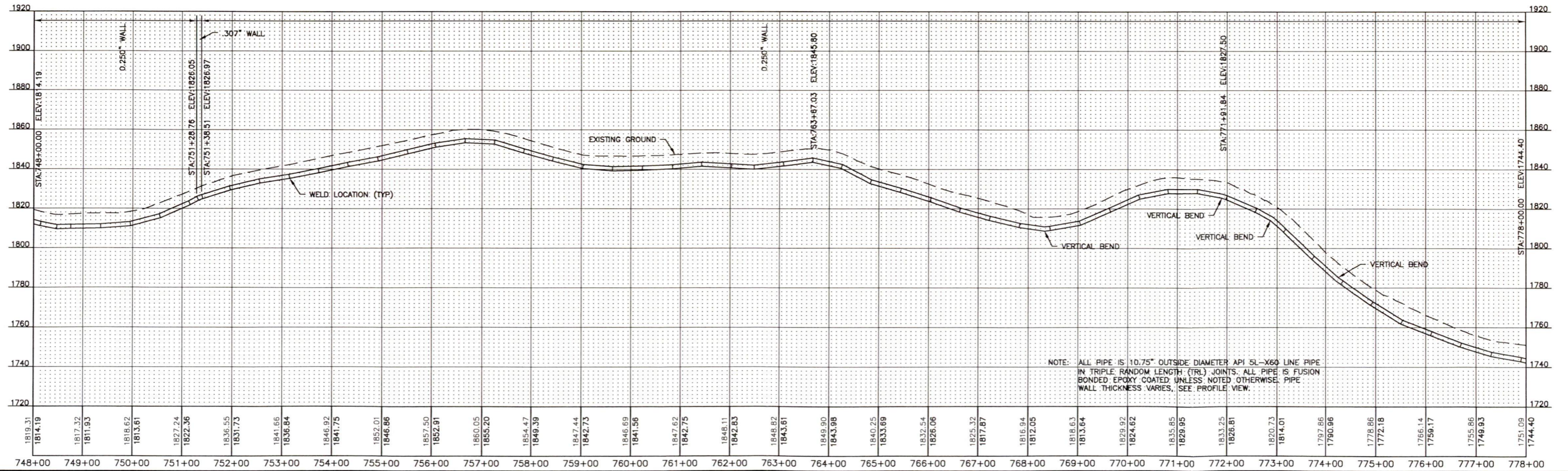
Date 7-10-14
Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 688+00 TO STA 718+00
PROJECT NO. 6125-011

SHEET
27 of 45

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 29-7/10/2014 11:01 AM - (tpau)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve

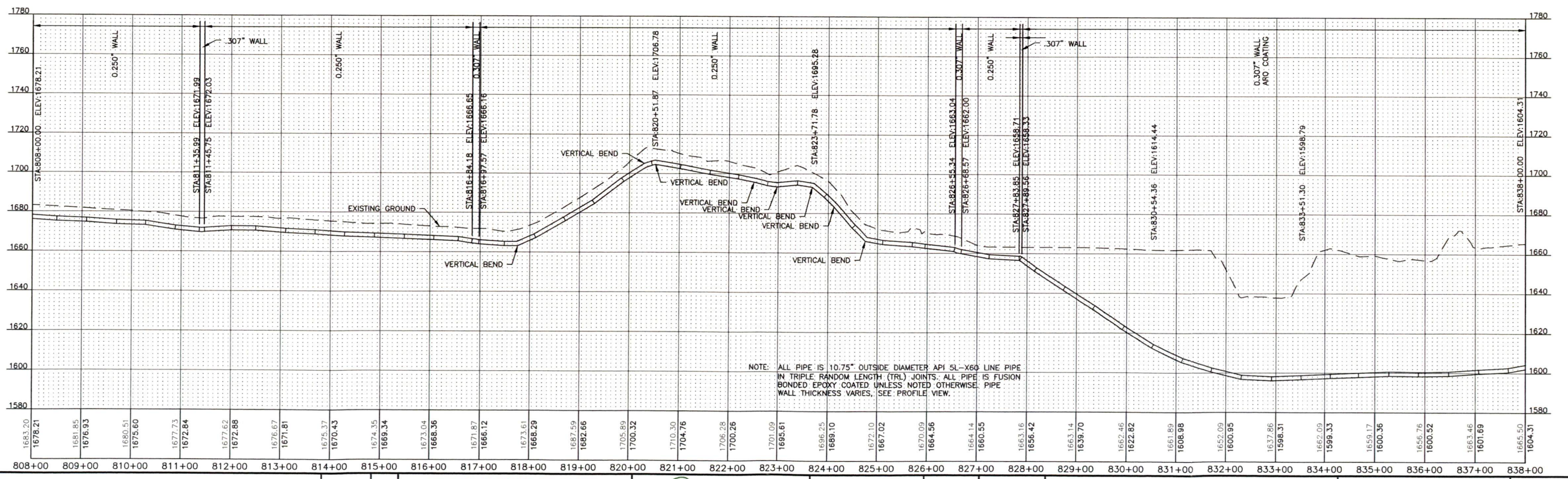
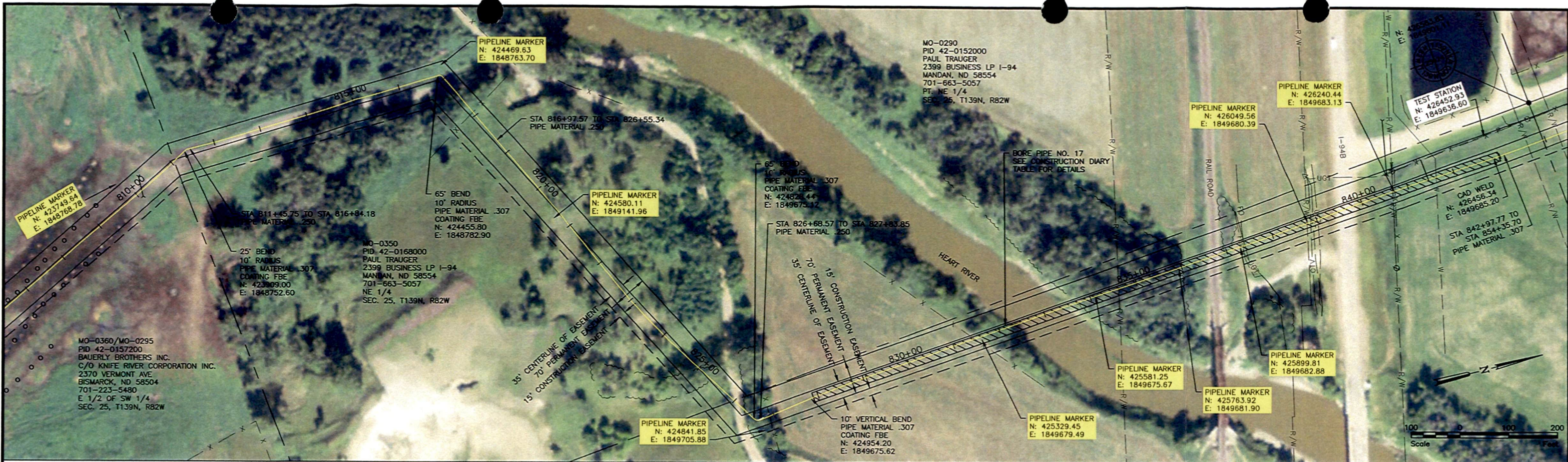
Houston Engineering Inc.

Bismarck
P: 701.323.0200
F: 701.323.0300

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

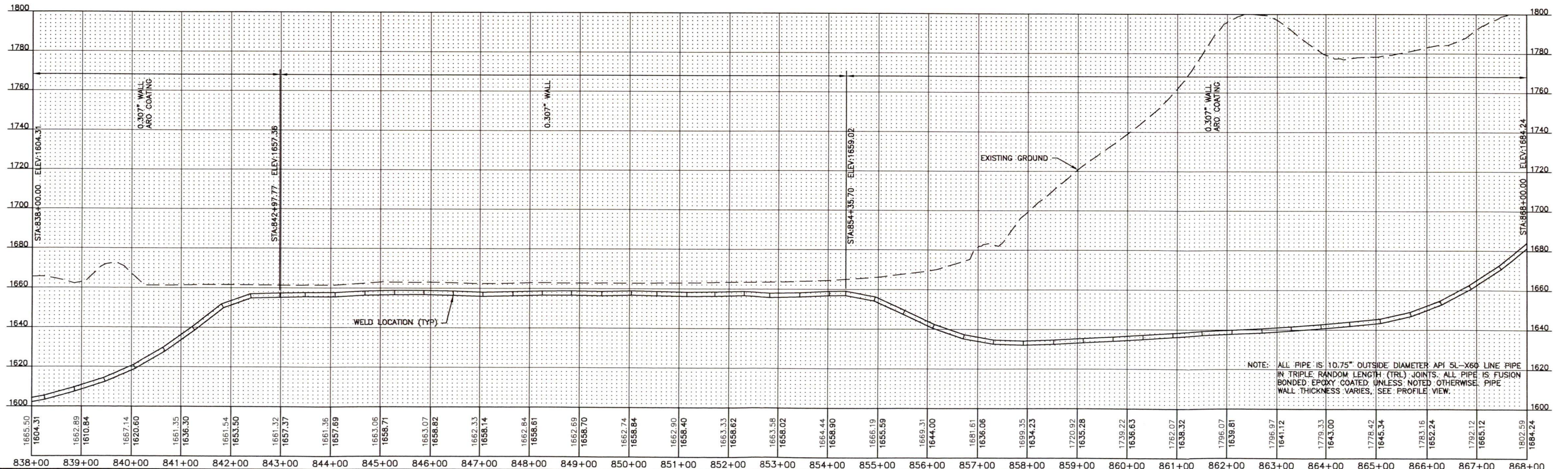
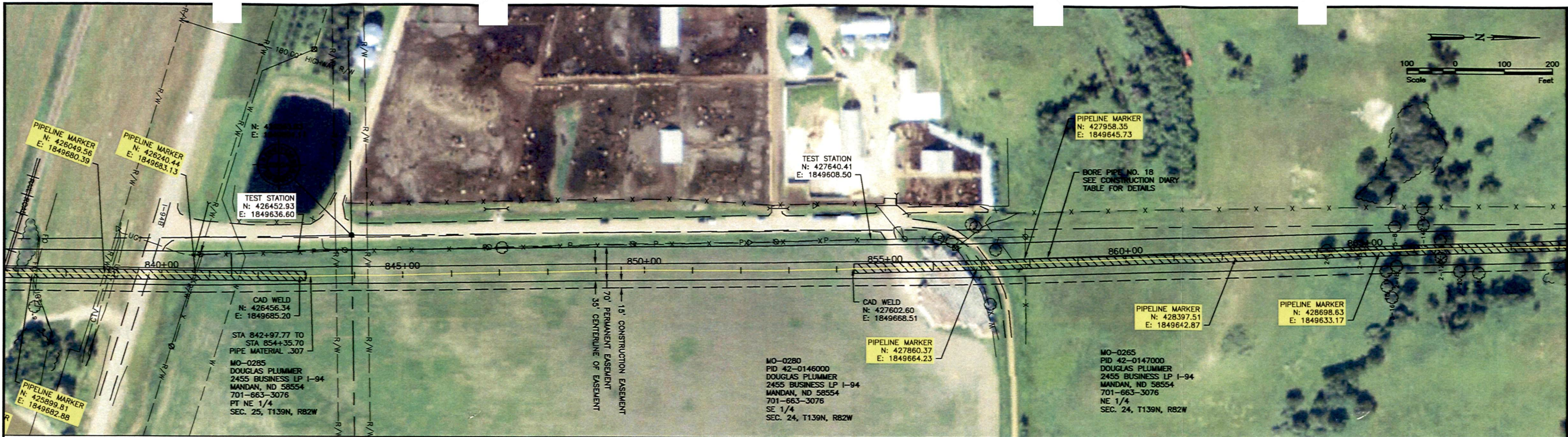
PLAN & PROFILE
STA 748+00 TO STA 778+00
PROJECT NO. 6125-011

SHEET
29 of 45



T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 31-7/10/2014 11:03 AM - (tpau)

MONTANA-DAKOTA UTILITIES CO. A Division of MDU Resources Group, Inc. In the Community to Serve®		Houston Engineering Inc.		Bismarck		MDU R.M. HESKETT STATION PIPELINE ALIGNMENT MONTANA-DAKOTA UTILITIES CO. MORTON COUNTY, NORTH DAKOTA		PLAN & PROFILE STA 808+00 TO STA 838+00 PROJECT NO. 6125-011		SHEET 31 of 45	
1	SURVEY AS-BUILT	7-10-14	TKP	Drawn by	TKP ZBK	Date	7-10-14	Checked by	SML	Scale	AS SHOWN
No.	Revision	Date	By								

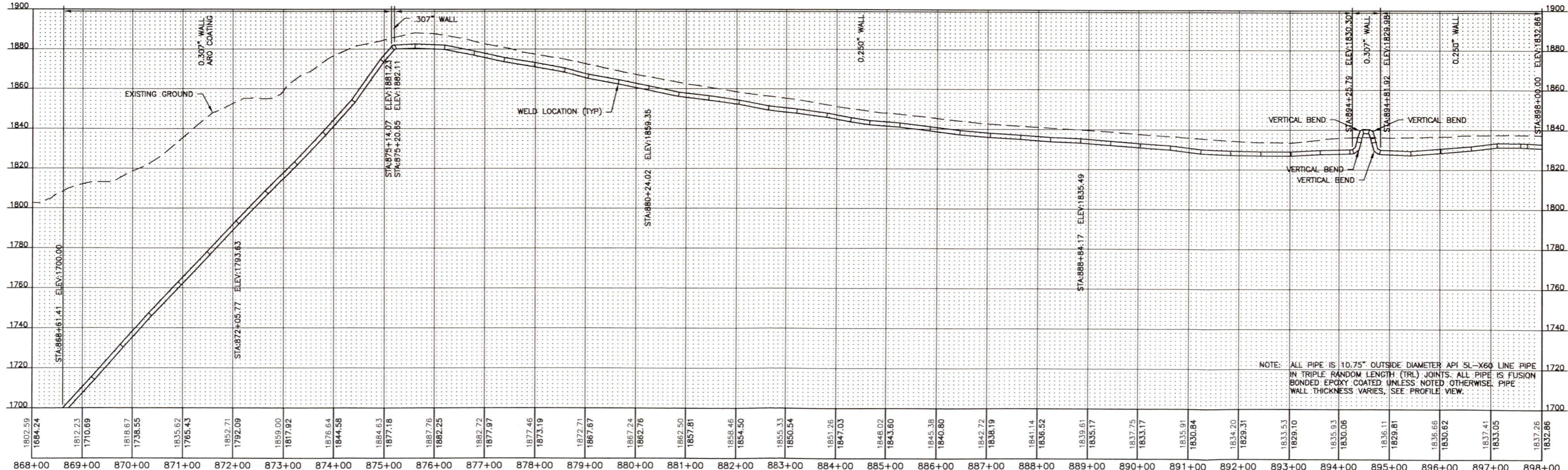
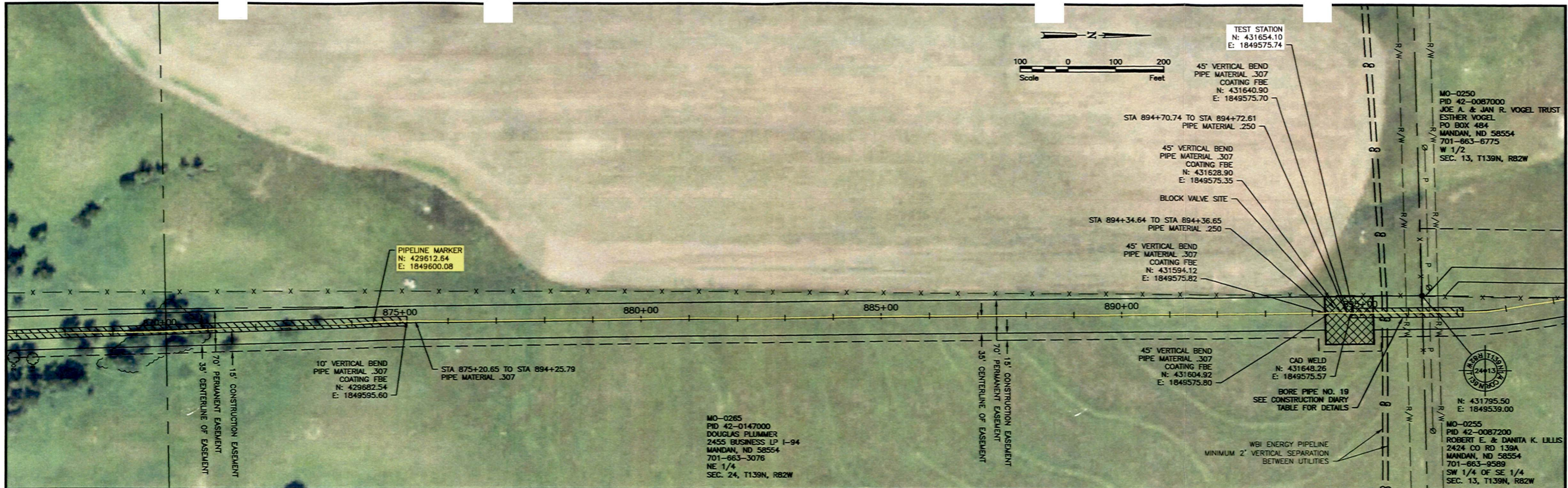


NOTE: ALL PIPE IS 10.75" OUTSIDE DIAMETER API 5L-X60 LINE PIPE IN TRIPLE RANDOM LENGTH (TRL) JOINTS. ALL PIPE IS FUSION BONDED EPOXY COATED UNLESS NOTED OTHERWISE. PIPE WALL THICKNESS VARIES, SEE PROFILE VIEW.

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 32-7/10/2014 11:04 AM - (tpaul)

				Bismarck P: 701.323.0200 F: 701.323.0300		Drawn by TKP ZBK Date 7-10-14		MDU R.M. HESKETT STATION PIPELINE ALIGNMENT MONTANA-DAKOTA UTILITIES CO. MORTON COUNTY, NORTH DAKOTA		PLAN & PROFILE STA 838+00 TO STA 868+00 PROJECT NO. 6125-011		SHEET 32 of 45	
No.	Revision	Date	By			Checked by SML		Scale AS SHOWN					
1	SURVEY AS-BUILT	7-10-14	TKP										

T:\16125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 33-7/10/2014 11:05 AM - (tpaul)



NOTE: ALL PIPE IS 10.75" OUTSIDE DIAMETER API 5L-X60 LINE PIPE IN TRIPLE RANDOM LENGTH (TRL) JOINTS. ALL PIPE IS FUSION BONDED EPOXY COATED UNLESS NOTED OTHERWISE. PIPE WALL THICKNESS VARIES, SEE PROFILE VIEW.

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA UTILITIES CO.
 A Division of MDU Resources Group, Inc.
In the Community to Serve™

Houston Engineering Inc.

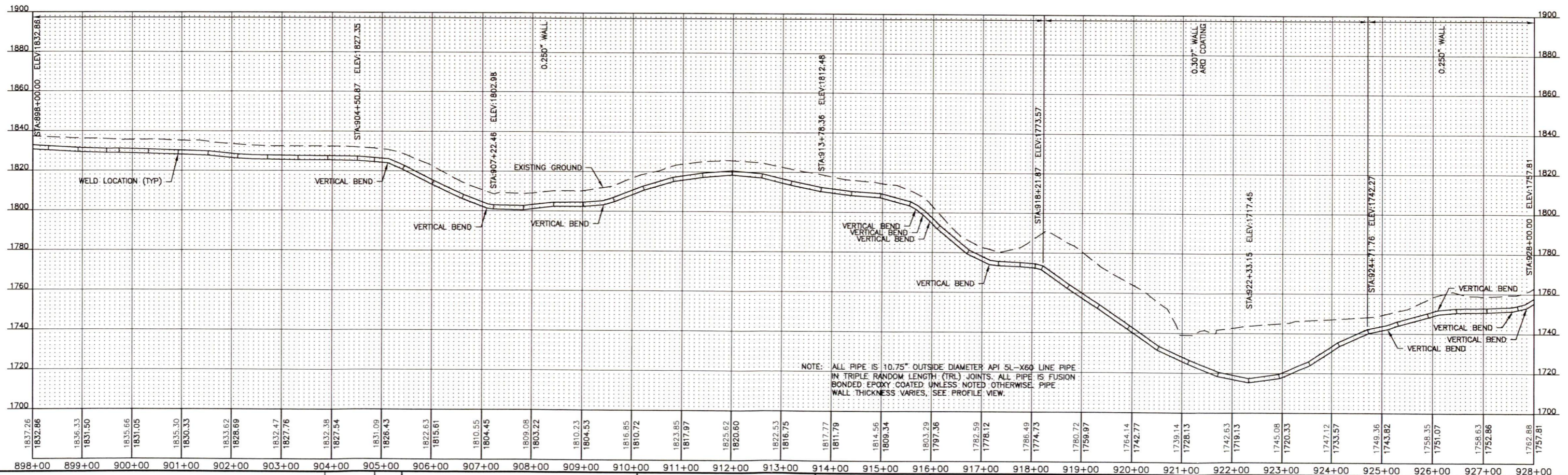
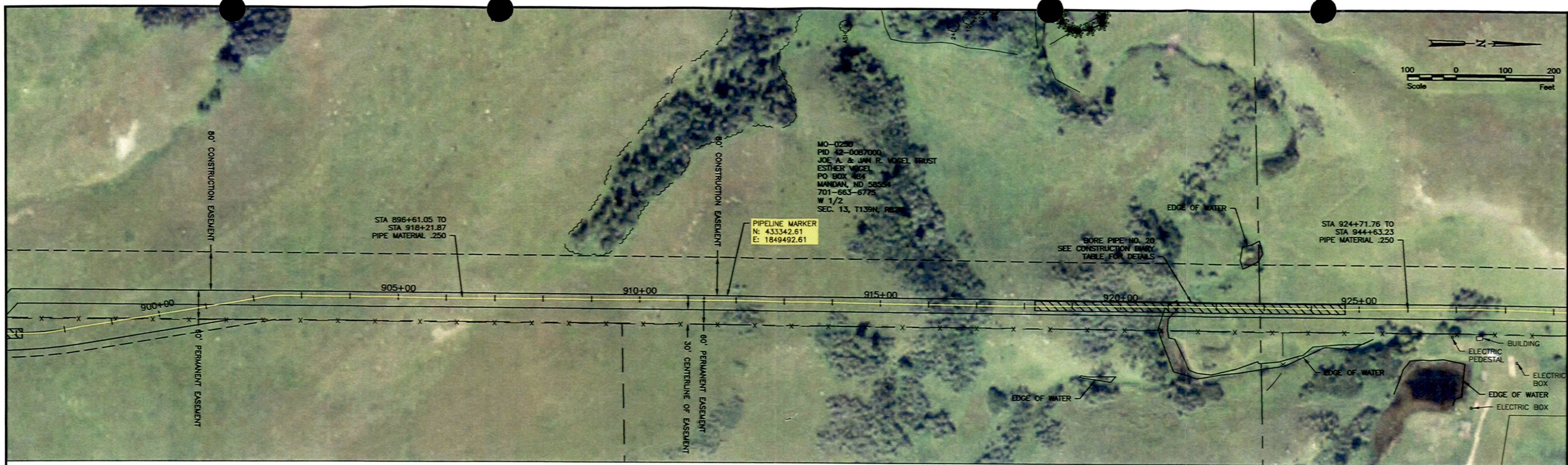
Bismarck
 P: 701.323.0200
 F: 701.323.0300

Drawn by TKP ZBK
 Date 7-10-14
 Checked by SML
 Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
 MONTANA-DAKOTA UTILITIES CO.
 MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
 STA 868+00 TO STA 898+00
 PROJECT NO. 6125-011

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 34-7/10/2014 11:06 AM - (tpau)



NOTE: ALL PIPE IS 10.75" OUTSIDE DIAMETER API 5L-X60 LINE PIPE IN TRIPLE RANDOM LENGTH (TRL) JOINTS. ALL PIPE IS FUSION BONDED EPOXY COATED UNLESS NOTED OTHERWISE. PIPE WALL THICKNESS VARIES. SEE PROFILE VIEW.

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve®

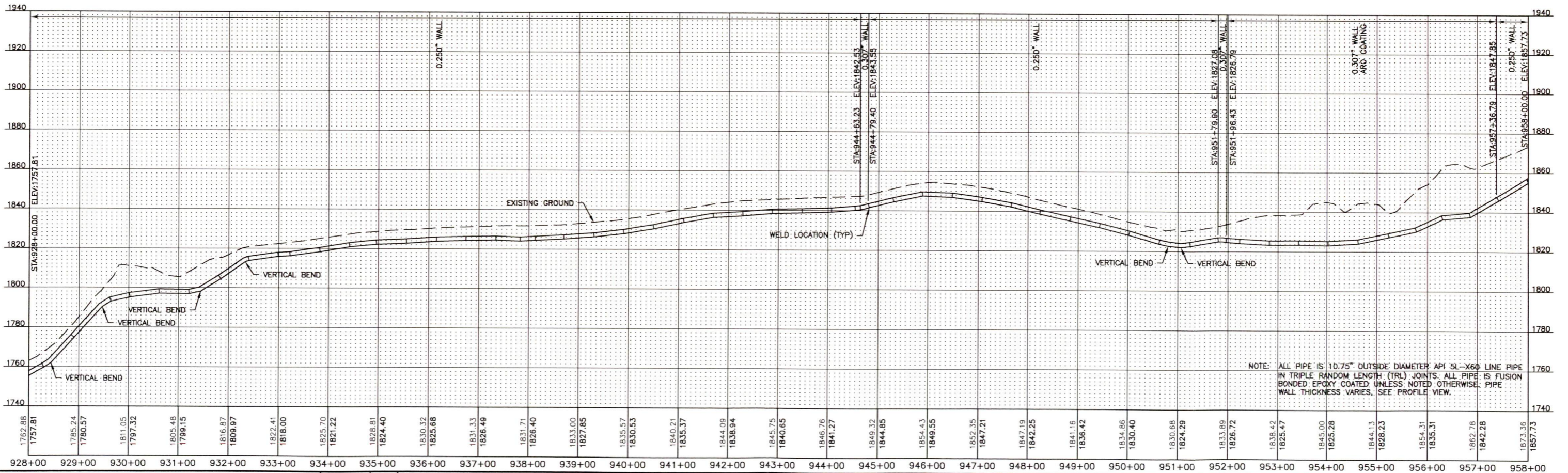
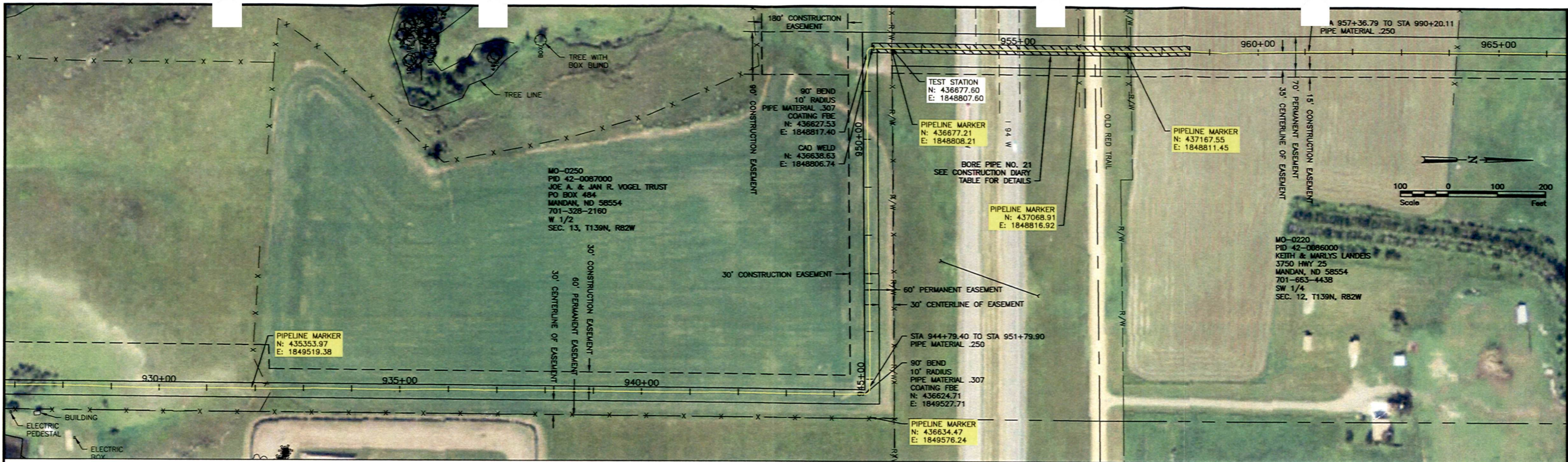
Houston Engineering Inc.

Bismarck
P: 701.323.0200
F: 701.323.0300

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

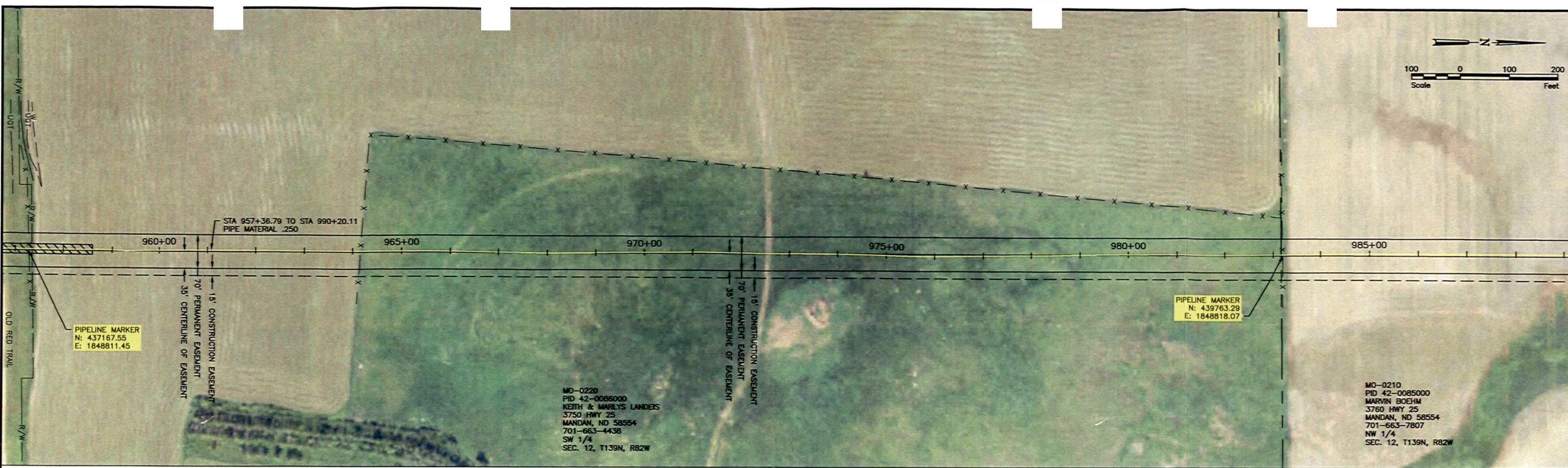
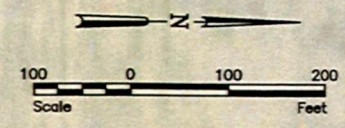
PLAN & PROFILE
STA 898+00 TO STA 928+00
PROJECT NO. 6125-011

SHEET
34 of 45



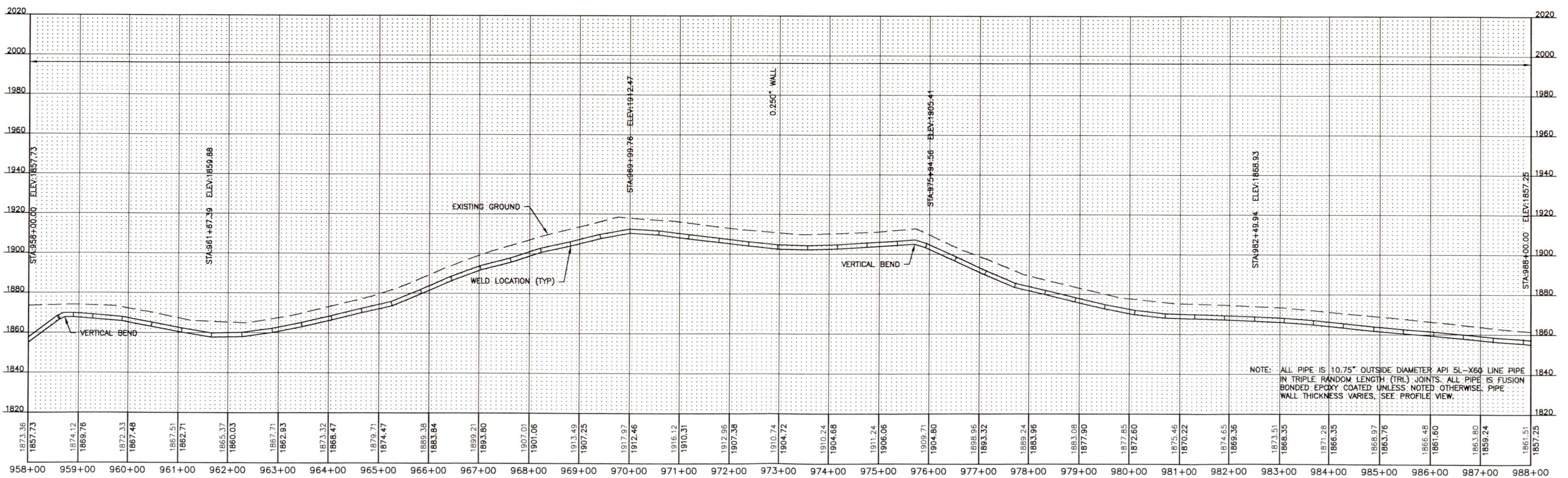
T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 35-7/10/2014 11:07 AM - (tpaul)

1 SURVEY AS-BUILT		7-10-14	TKP	 A Division of MDU Resources Group, Inc.	 Houston Engineering Inc.	Bismarck	Drawn by TKP ZBK	Date 7-10-14	MDU R.M. HESKETT STATION PIPELINE ALIGNMENT MONTANA-DAKOTA UTILITIES CO. MORTON COUNTY, NORTH DAKOTA	PLAN & PROFILE STA 928+00 TO STA 958+00 PROJECT NO. 6125-011	SHEET 35 of 45
No.	Revision	Date	By			P: 701.323.0200 F: 701.323.0300	Checked by SML	Scale AS SHOWN			



MO-0220
 PID 42-0086000
 KEITH & MARLYS LANDELS
 3750 HWY 25
 MANDAN, ND 58554
 701-663-4438
 SW 1/4
 SEC. 12, T139N, R82W

MO-0210
 PID 42-0085000
 MARVIN BOEHM
 3760 HWY 25
 MANDAN, ND 58554
 701-663-7807
 NW 1/4
 SEC. 12, T139N, R82W



NOTE: ALL PIPE IS 10.75" OUTSIDE DIAMETER API 5L-X60 LINE PIPE IN TRIPLE RANDOM LENGTH (TRL) JOINTS. ALL PIPE IS FUSION BONDED EPOXY COATED UNLESS NOTED OTHERWISE. PIPE WALL THICKNESS VARIES. SEE PROFILE VIEW.

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 36-7/10/2014 11:07 AM - (tpaul)

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP



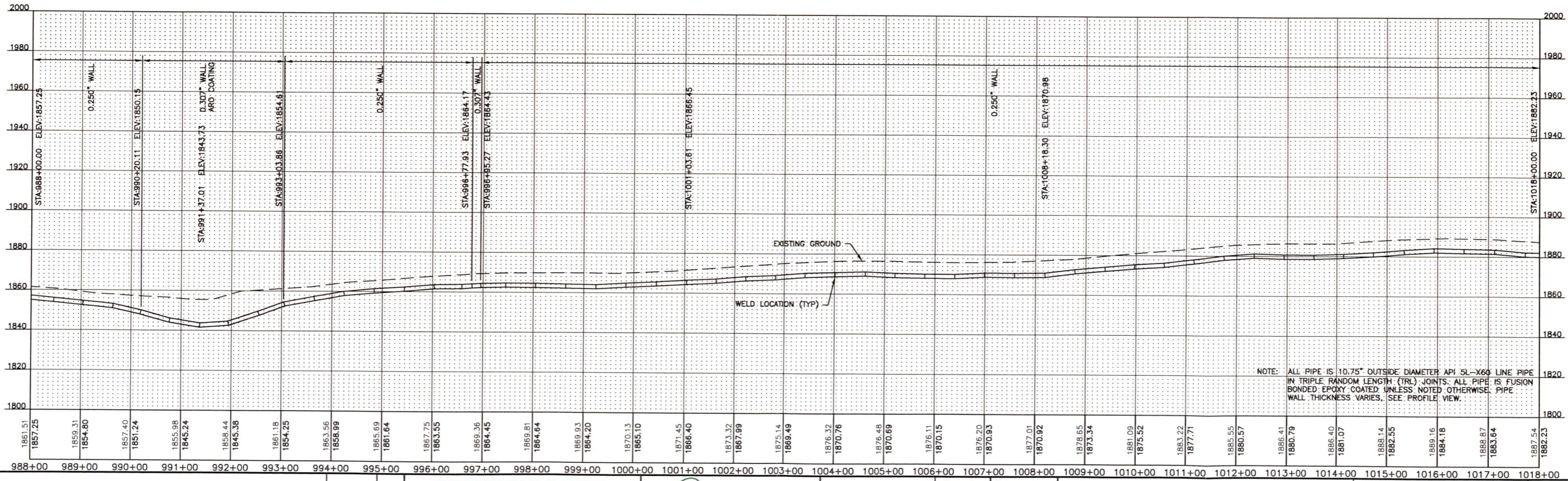
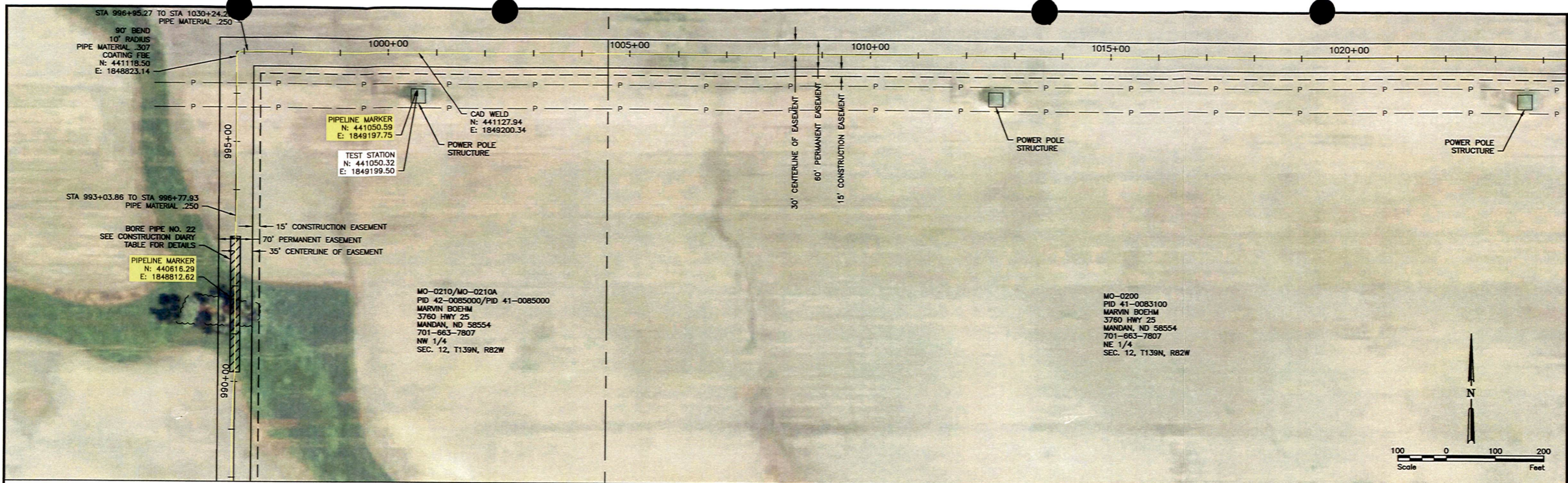
Bismarck
 P: 701.323.0200
 F: 701.323.0300
 Drawn by TKP ZBK
 Checked by SML
 Date 7-10-14
 Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
 MONTANA-DAKOTA UTILITIES CO.
 MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
 STA 958+00 TO STA 988+00
 PROJECT NO. 6125-011

SHEET
 36 of 45

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 37-7/10/2014 11:08 AM (tpaul)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve®

Houston
Engineering Inc.

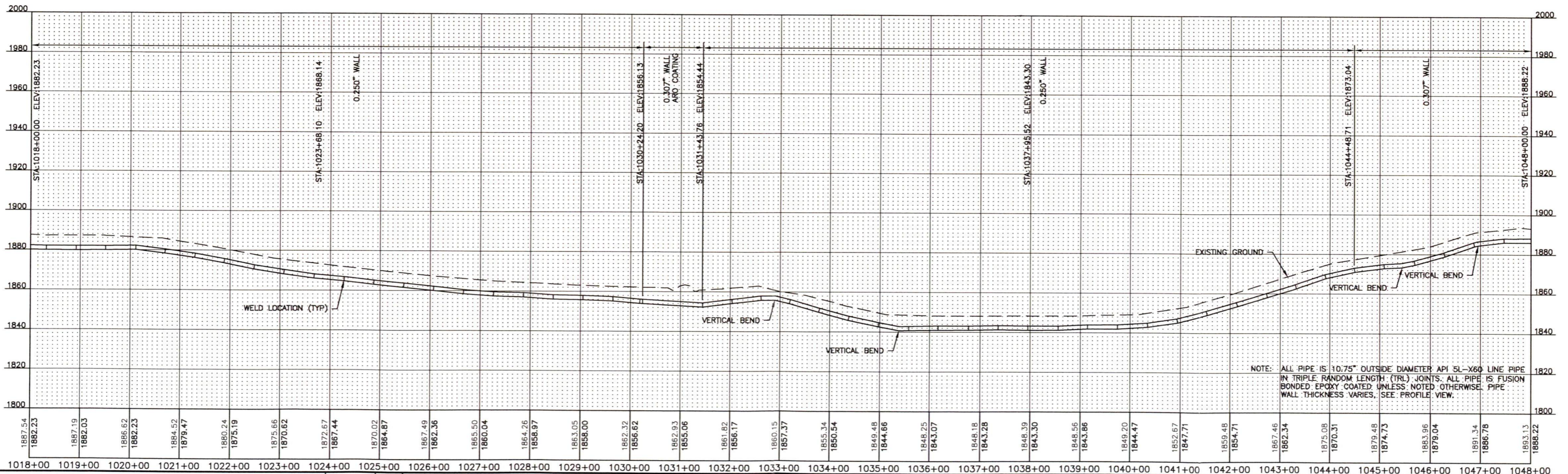
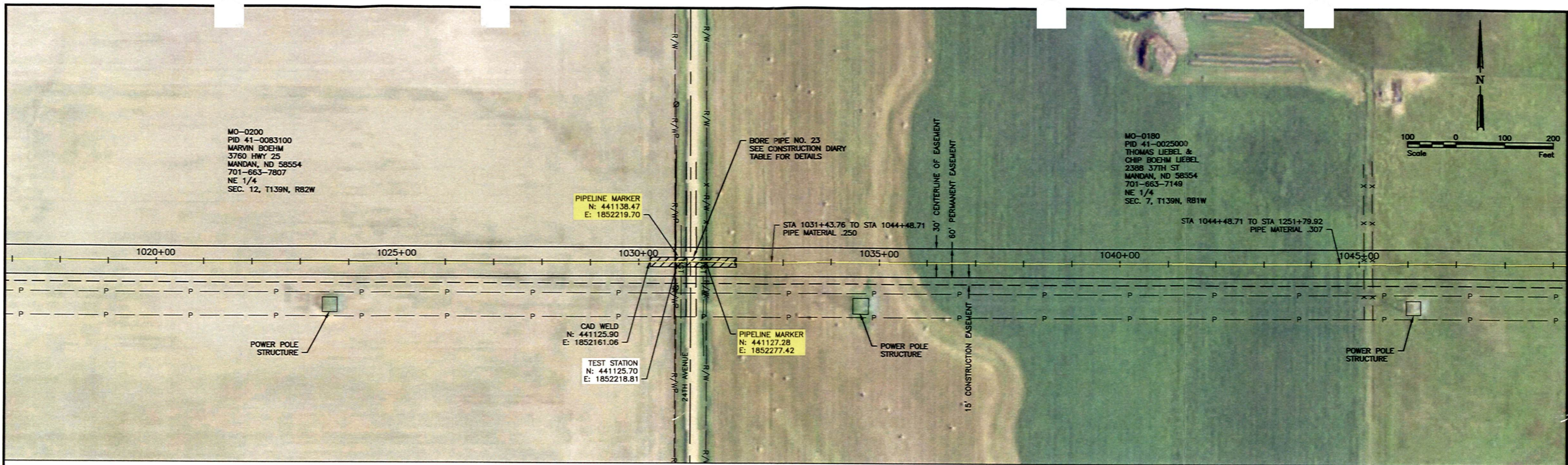
Bismarck
P: 701.323.0200
F: 701.323.0300

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 988+00 TO STA 1018+00
PROJECT NO. 6125-011

SHEET
37 of 45

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 38-7/10/2014 11:09 AM - (tpaul)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve

Houston Engineering Inc.

Bismarck
P: 701.323.0200
F: 701.323.0300

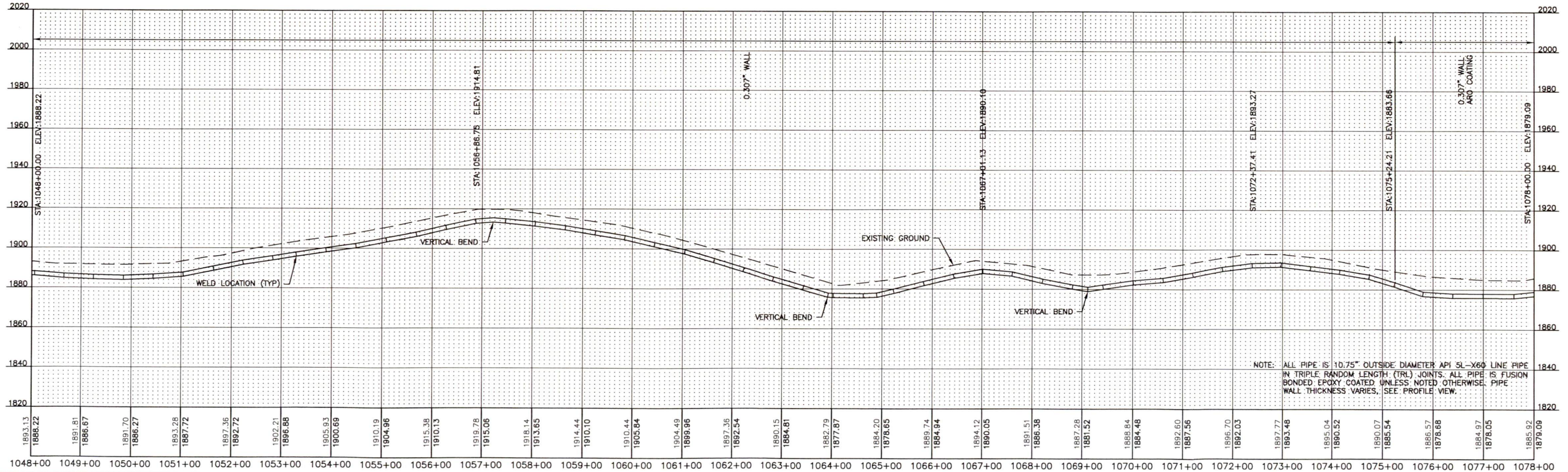
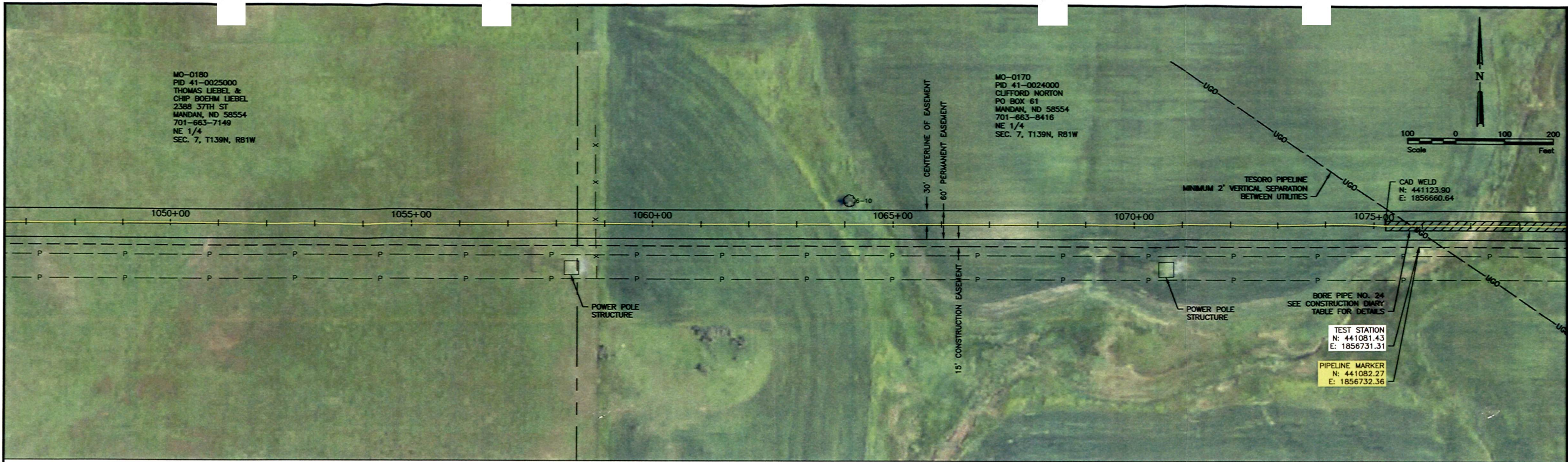
MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 1018+00 TO STA 1048+00
PROJECT NO. 6125-011

SHEET
38 of 45

MO-0180
 PID 41-0025000
 THOMAS LIEBEL &
 CHIP BOEHM LIEBEL
 2388 37TH ST
 MANDAN, ND 58554
 701-663-7149
 NE 1/4
 SEC. 7, T139N, R81W

MO-0170
 PID 41-0024000
 CLIFFORD NORTON
 PO BOX 61
 MANDAN, ND 58554
 701-663-8416
 NE 1/4
 SEC. 7, T139N, R81W



NOTE: ALL PIPE IS 10.75\"/>

T:\6125-XXX-Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 39-7/10/2014 11:10 AM: (tpaul)

No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

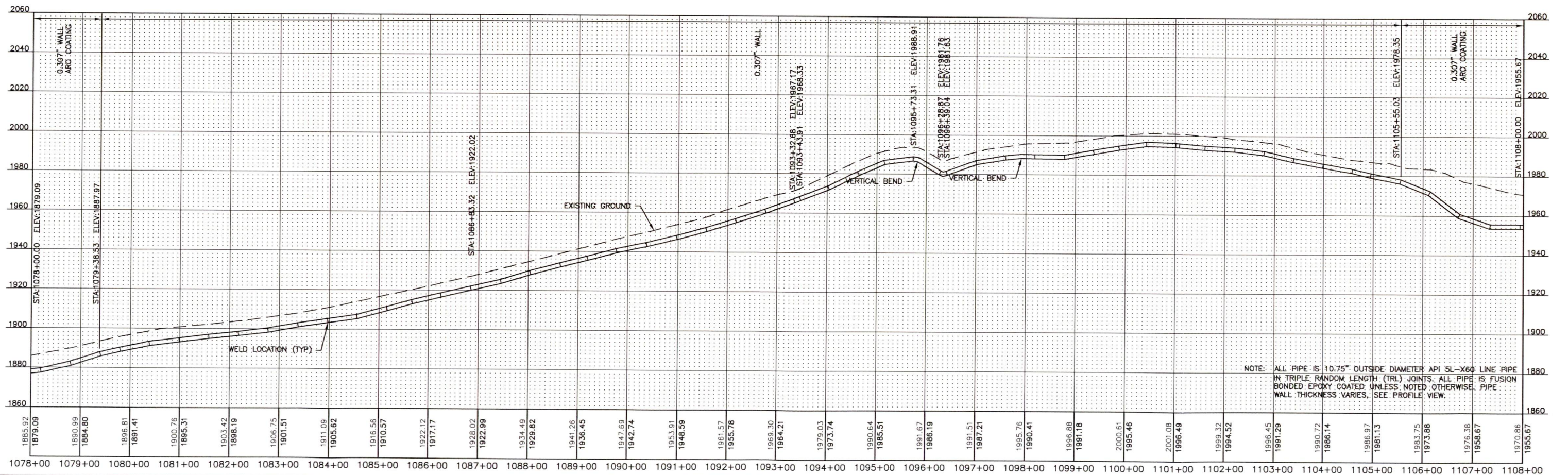
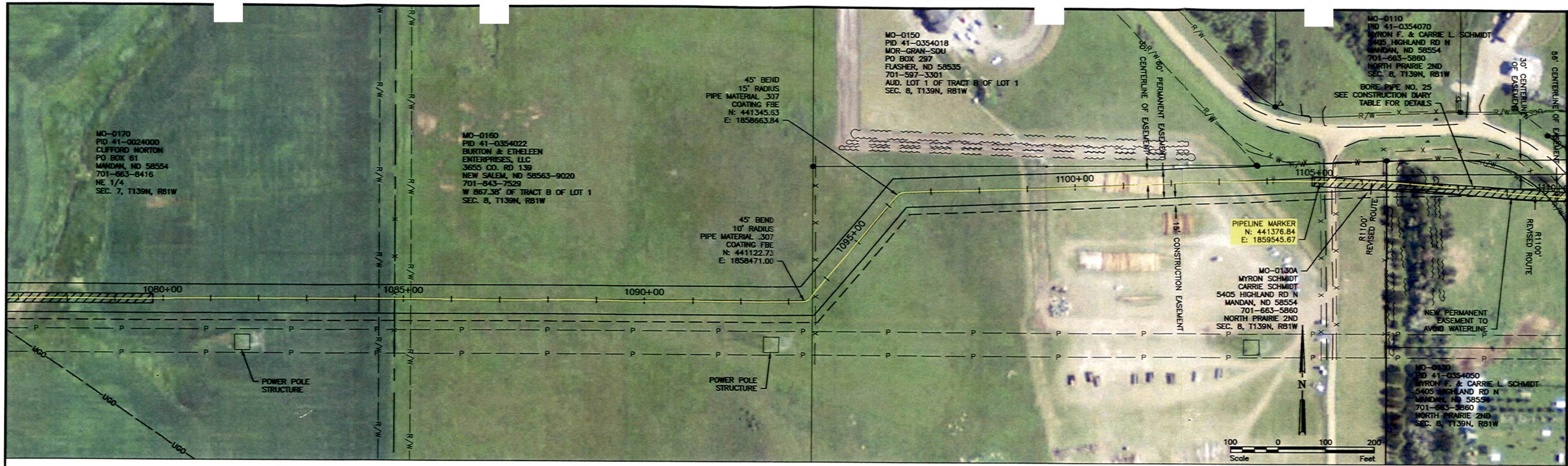


Bismarck
 Drawn by TKP ZBK
 Date 7-10-14
 Checked by SML
 Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
 MONTANA-DAKOTA UTILITIES CO.
 MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
 STA 1048+00 TO STA 1078+00
 PROJECT NO. 6125-011

SHEET
 39 of 45



NOTE: ALL PIPE IS 10.75" OUTSIDE DIAMETER API 5L-X60 LINE PIPE IN TRIPLE RANDOM LENGTH (TRL) JOINTS. ALL PIPE IS FUSION BONDED EPOXY COATED UNLESS NOTED OTHERWISE. PIPE WALL THICKNESS VARIES, SEE PROFILE VIEW.

T:\6125-XXX Montana Dakota Utilities Company\6125-011 Sr. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 40-7/10/2014 11:12 AM - (tpau)

2	SURVEY AS-BUILT	7-10-14	TKP
1	REVISED PIPELINE ROUTE FROM STA 1103+00 TO STA 1111+21	10-31-13	TKP
No.	Revision	Date	By

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve

Houston Engineering Inc.

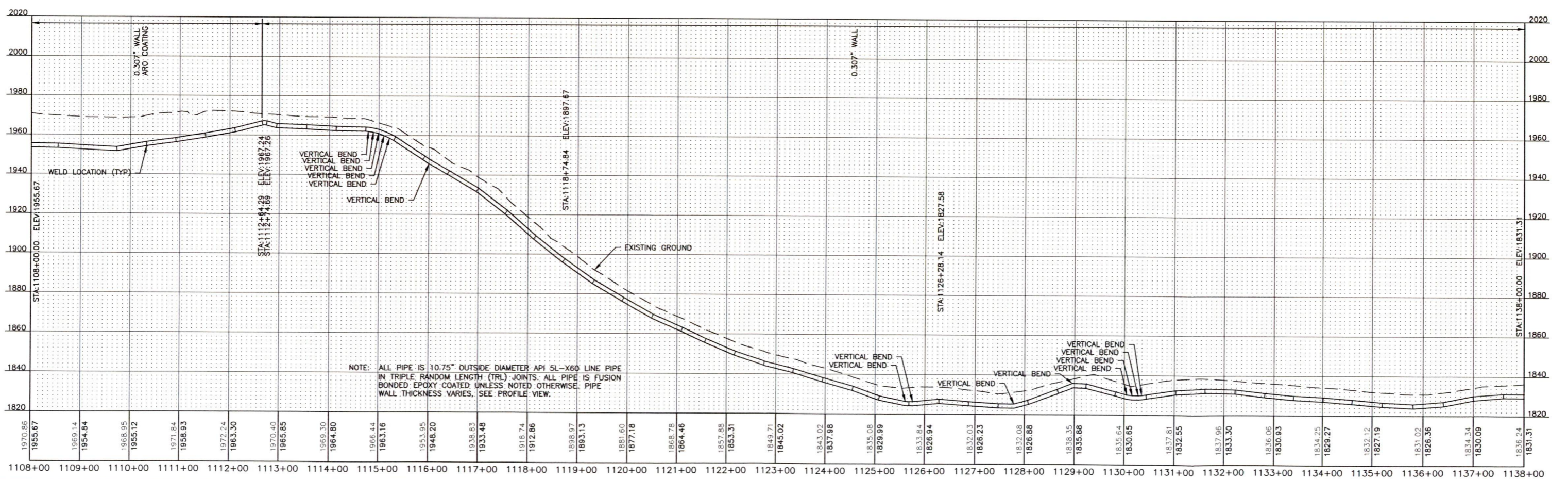
Bismarck
P: 701.323.0200
F: 701.323.0300

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 1078+00 TO STA 1108+00
PROJECT NO. 6125-011

SHEET
40 of 45

T:\6125-XXX-Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 41-7/10/2014 11:12 AM - (tpaul)



No.	Revision	Date	By
2	SURVEY AS-BUILT	7-10-14	TKP
1	REVISED PIPELINE ROUTE FROM STA 1103+00 TO STA 1111+21	10-31-13	TKP

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve

Houston Engineering Inc.

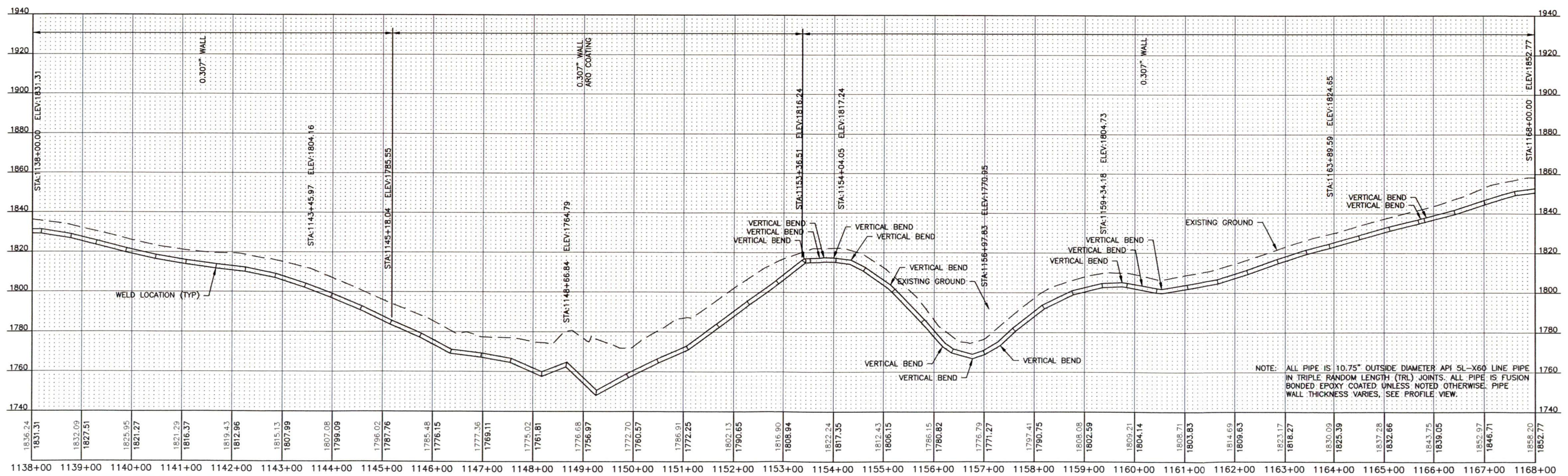
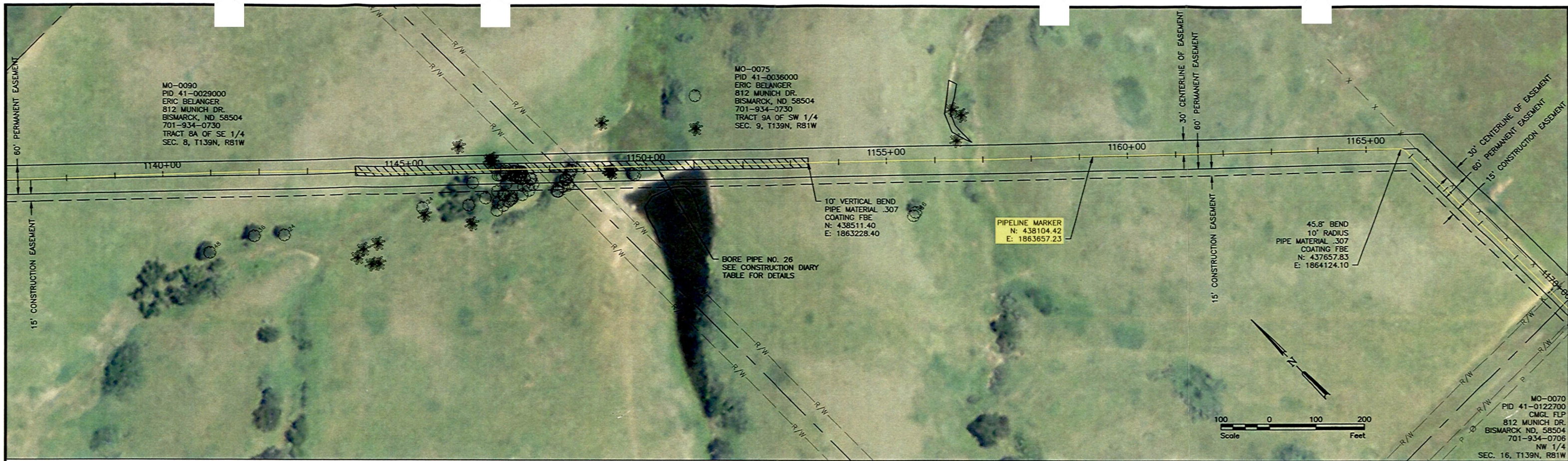
Bismarck
P: 701.323.0200
F: 701.323.0300
Drawn by TKP ZBK
Checked by SML
Date 7-10-14
Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 1108+00 TO STA 1138+00
PROJECT NO. 6125-011

SHEET
41 of 45

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 42-7/10/2014 11:14 AM - (pau)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve

Houston Engineering Inc.

Bismarck
P: 701.323.0200
F: 701.323.0300

Drawn by TKP ZBK
Checked by SML

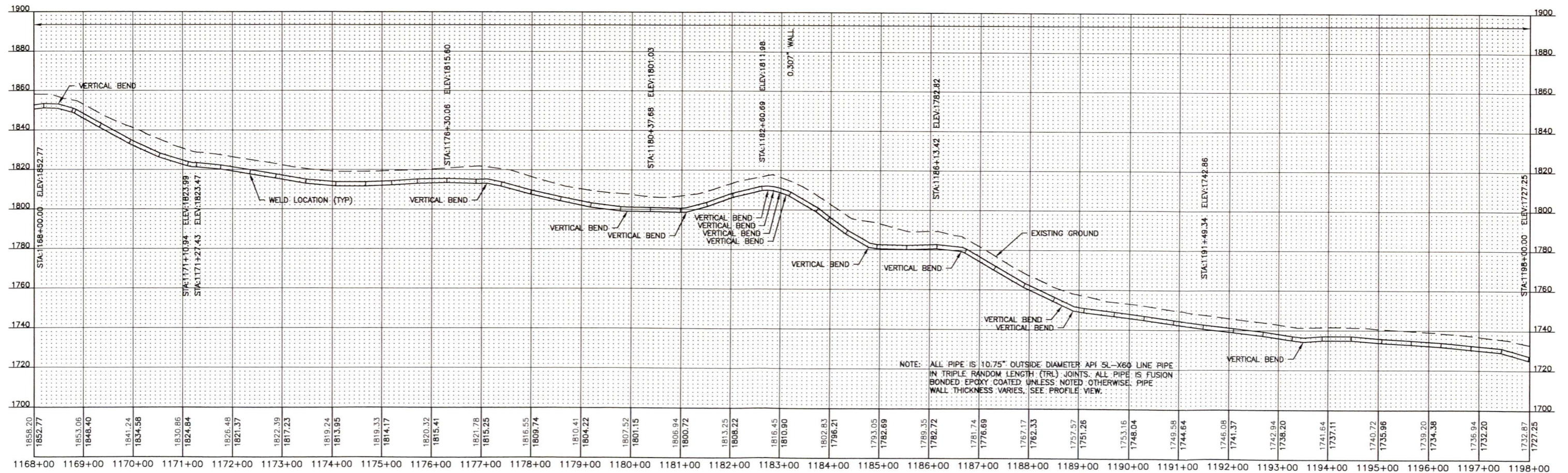
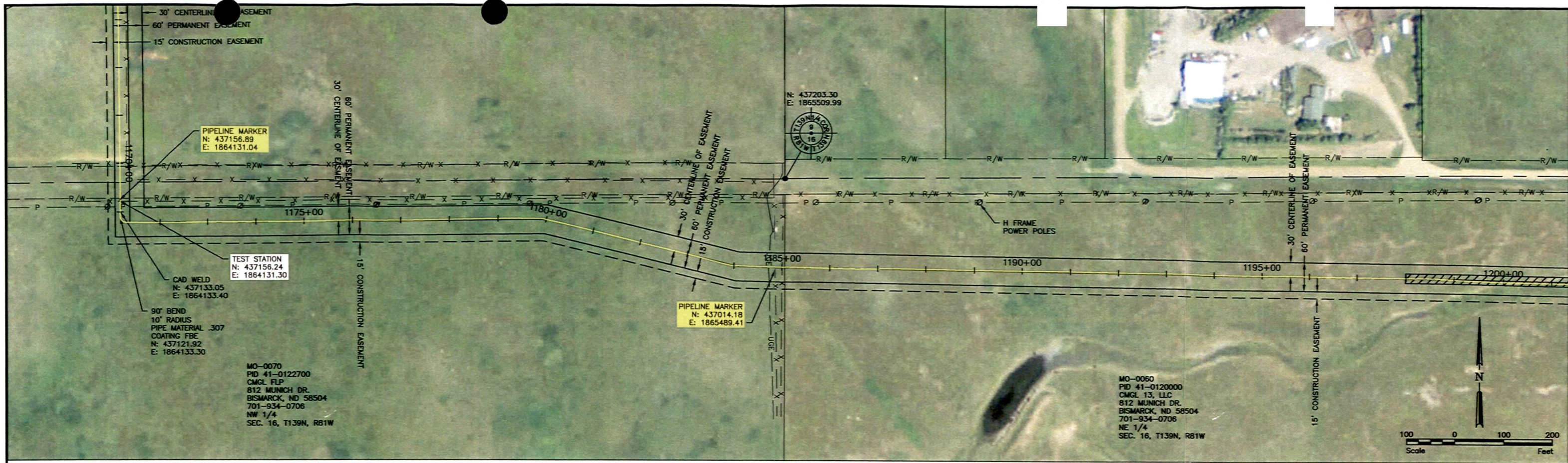
Date 7-10-14
Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 1138+00 TO STA 1168+00
PROJECT NO. 6125-011

SHEET
42 of 45

T:\6125-XXX Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES.dwg - SHEET 43-7/10/2014 11:15 AM - (tpaul)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP

MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc.
In the Community to Serve®

Houston
Engineering Inc.

Bismarck
P: 701.323.0200
F: 701.323.0300

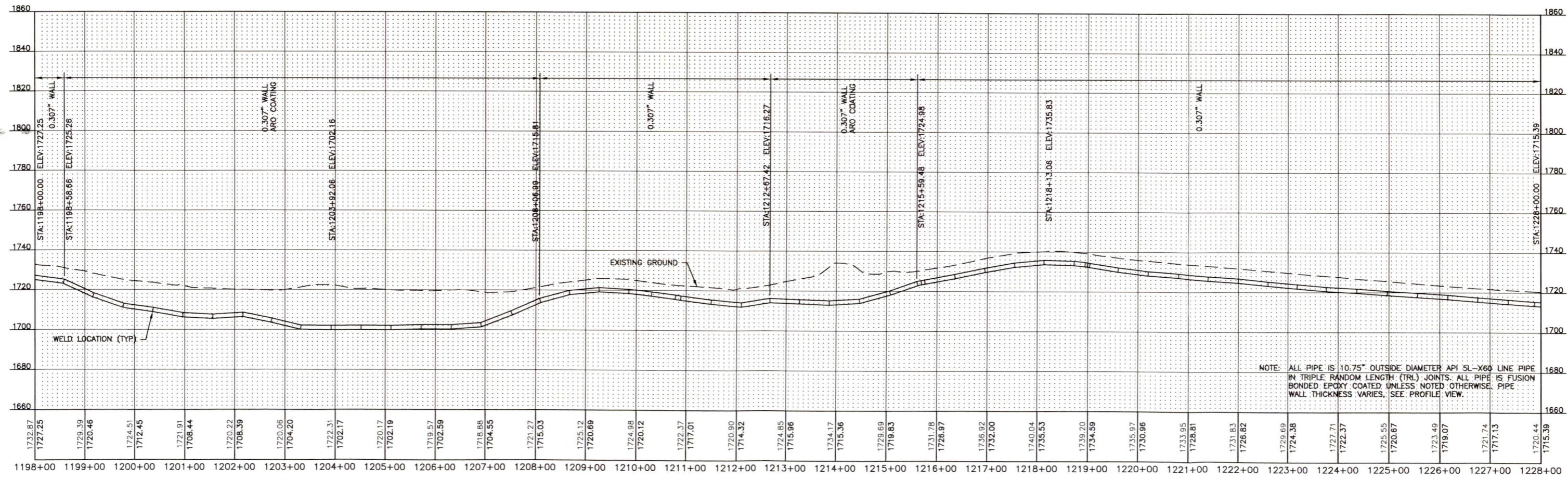
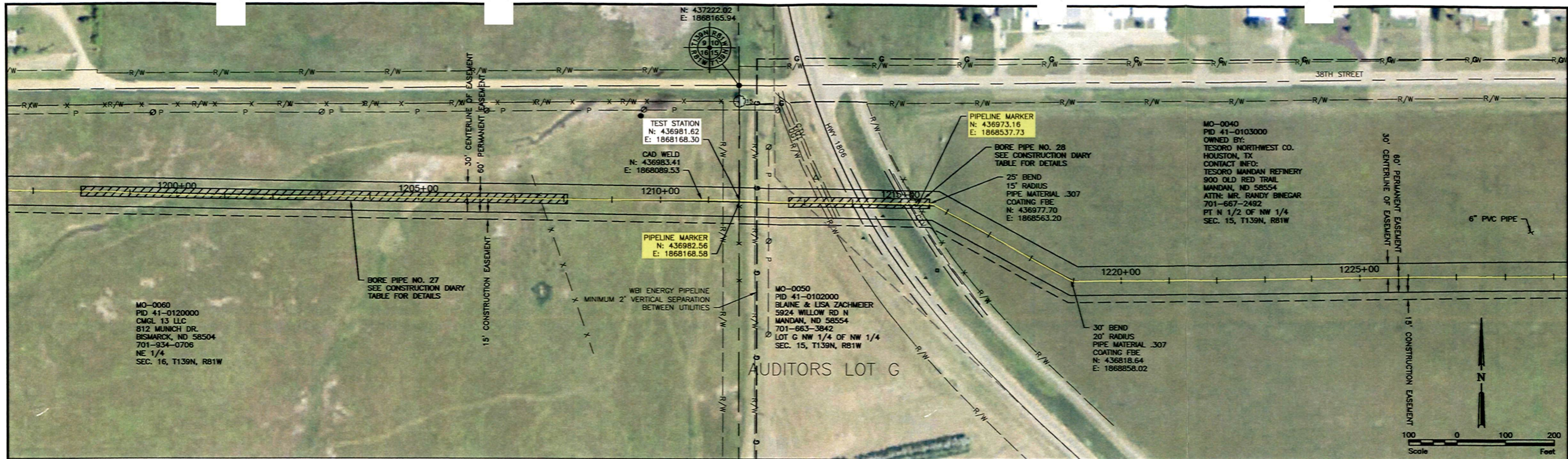
Drawn by
TKP ZBK
Date
7-10-14
Checked by
SML
Scale
AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
MONTANA-DAKOTA UTILITIES CO.
MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
STA 1168+00 TO STA 1198+00
PROJECT NO. 6125-011

SHEET
43 of 45

T:\6125-00X\Montana Dakota Utilities Company\6125-011 St. Anthony to Heskett\CAD\PLAN SET\PIPELINE ROUTE PLAN & PROFILES\PLAN & PROFILES.dwg - SHEET 44-7/10/2014 11:16 AM - (tpaul)



No.	Revision	Date	By
1	SURVEY AS-BUILT	7-10-14	TKP



Bismarck
 Drawn by TKP ZBK
 Date 7-10-14
 Checked by SML
 Scale AS SHOWN

MDU R.M. HESKETT STATION PIPELINE ALIGNMENT
 MONTANA-DAKOTA UTILITIES CO.
 MORTON COUNTY, NORTH DAKOTA

PLAN & PROFILE
 STA 1198+00 TO STA 1228+00
 PROJECT NO. 6125-011

SHEET
 44 of 45

