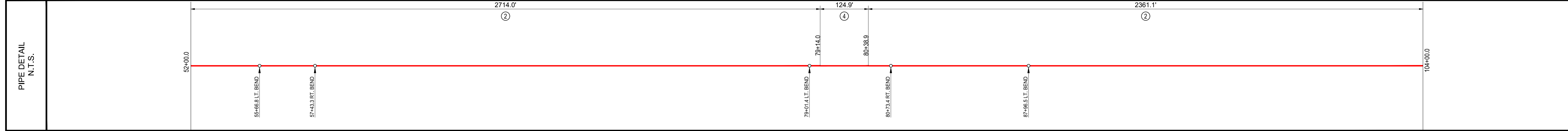
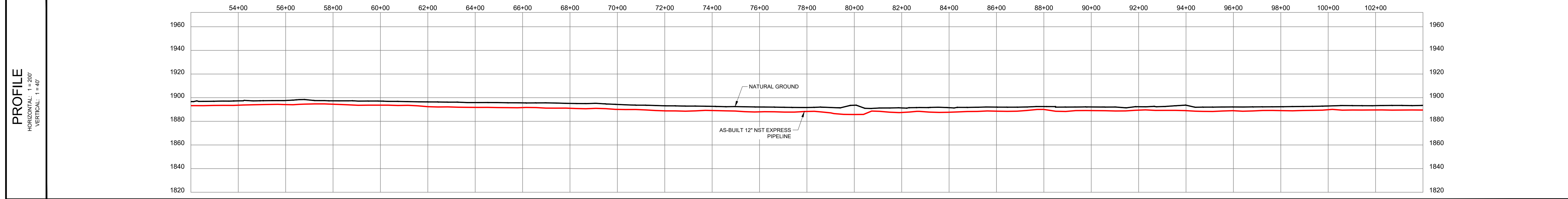


STATIONING

52+00.0 COVER 5.6	54+00.0 COVER 5.7	55+66.8 17' LT. BEND	56+00.0 COVER 5.5	57+43.3 16' RT. BEND	58+00.0 COVER 5.0	80+00.0 COVER 5.5	82+00.0 COVER 6.1	84+00.0 COVER 6.1	86+00.0 COVER 6.0	88+00.0 COVER 6.2	90+00.0 COVER 6.3	92+00.0 COVER 6.4	94+00.0 COVER 5.6	96+00.0 COVER 6.2	98+00.0 COVER 5.5	100+00.0 COVER 5.5	102+00.0 COVER 5.7	104+00.0 COVER 6.0
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LEGEND

- C/L AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BORE ENTRY/EXIT

GENERAL INFORMATION

**ISSUED FOR REVIEW**

M.A.O.P. - XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET

WARNING

A REASONABLE ATTEMPT HAS BEEN MADE TO LOCATE ALL UNDERGROUND OBSTRUCTIONS BUT UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY AND THERE MAY ALSO BE OTHER UNDERGROUND UTILITIES THAT ARE NOT SHOWN. IT IS STILL THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND FACILITIES WITHIN WORKING AREA. CONTRACTOR MUST CONTACT ONE CALL UTILITY LOCATION SERVICES AND THE OWNERS OF THE UTILITIES TO VERIFY THEIR LOCATION.

THIS DOCUMENT IS FOR AS-BUILT PURPOSES ONLY AND IS NOT INTENDED TO BE FILED OF RECORD FOR EASEMENT OR ANY OTHER PURPOSE.

ORIGINAL DOCUMENT SIZE: 24" X 36"

REVISION

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

SUMMARY OF MATERIALS

ITEM #	LINEAR FEET	DESCRIPTION
2	5075.1	12" x .250 X60M, 20 MILS FBE
4	124.9	12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

**NORTHSTAR MIDSTREAM**

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

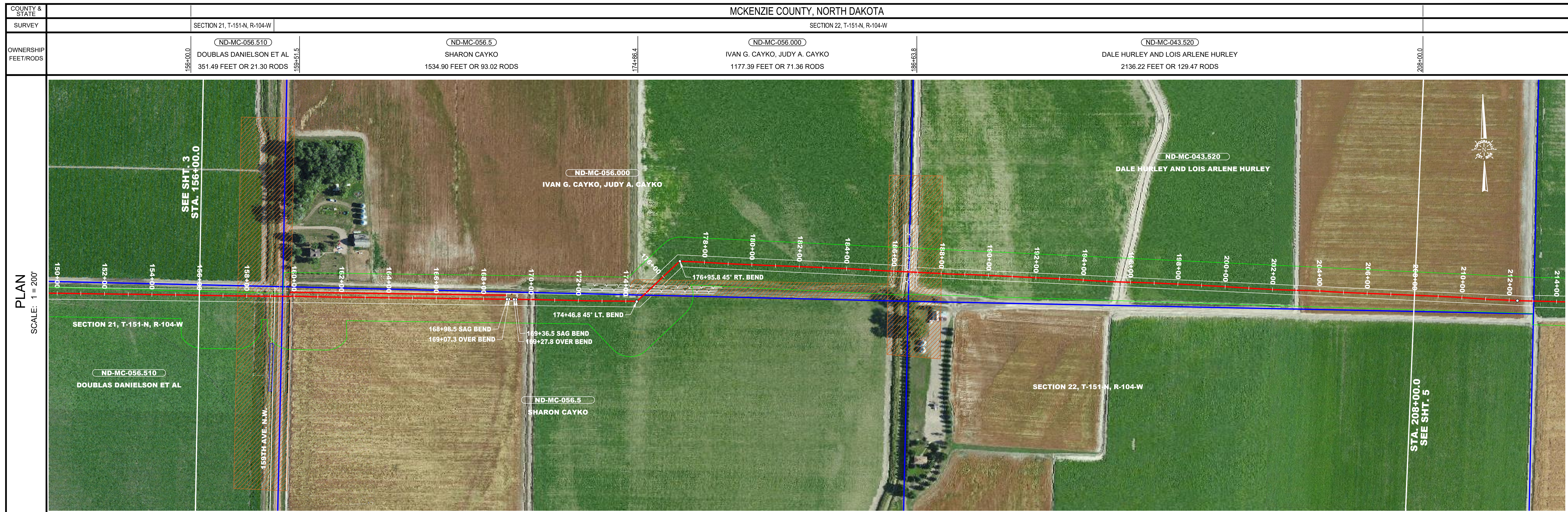
1400 EVERMAN PARKWAY, SUITE 107-113, WORTH, TEXAS 75140  
TELEPHONE: (817) 744-7515 FAX: (817) 744-7548  
WWW.TOPOGRAPHIC.COM

AS-BUILT CONSTRUCTION ALIGNMENT

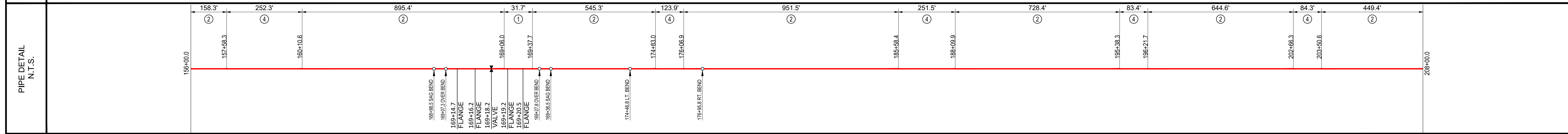
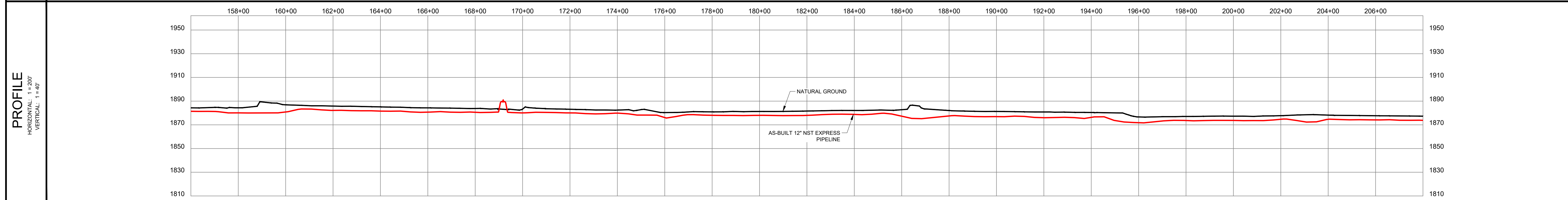
AS-BUILT NST EXPRESS 12" PIPELINE 52+00.0 TO 104+00.0

FILE: AB_NST_EXPRESS_REV1	REVISION: 1
DRAFT: J.M.C	CHECK: B.R.
SHEET: 2 OF 24	DATE: 10/17/16





STATIONING	DESCRIPTION
156+00.0 COVER 5.0	
157+61.8 CULTURAL AVOIDANCE	
158+00.0 COVER 6.3	
158+31.2 EDGE OF ROAD	
158+45.6 EDGE OF ROAD	
159+61.0 EDGE OF ROAD	
159+61.5 POWER LINE	
160+00.0 CULTURAL AVOIDANCE	
160+00.0 COVER 6.1	
162+00.0 COVER 5.7	
164+00.0 COVER 5.6	
166+00.0 COVER 5.7	
168+00.0 COVER 5.3	
168+96.1 FENCE LINE & SITE	
168+96.5 SAG BEND	
168+97.8 SAG BEND	
169+27.8 OVER BEND	
169+36.5 SAG BEND	
169+47.2 SITE & FENCE LINE	
170+00.0 COVER 5.3	
172+00.0 COVER 5.2	
174+00.0 COVER 4.6	
174+46.8 45° LT. BEND	
174+81.8 CULTURAL AVOIDANCE	
175+02.7 EDGE OF ROAD	
175+14.9 EDGE OF ROAD	
175+21.4 TOP OF SLOPE	
175+38.6 TOE OF SLOPE	
175+47.2 TOP OF SLOPE	
175+47.8 CULTURAL AVOIDANCE	
176+00.0 COVER 5.0	
176+95.8 45° RT. BEND	
178+00.0 COVER 5.0	
180+00.0 COVER 5.4	
182+00.0 COVER 5.7	
184+00.0 COVER 5.4	
185+75.5 CULTURAL AVOIDANCE	
186+00.0 COVER 7.6	
186+37.3 EDGE OF ROAD	
186+45.6 EDGE OF ROAD	
186+55.5 TOE OF SLOPE	
186+63.8 PROPERTY LINE	
186+71.0 TOE OF SLOPE	
186+71.0 TOP OF SLOPE	
186+85.3 EDGE OF ROAD	
186+85.9 EDGE OF ROAD	
186+87.0 CULTURAL AVOIDANCE	
190+00.0 COVER 6.5	
192+00.0 COVER 6.9	
194+00.0 COVER 6.2	
196+00.0 COVER 7.0	
198+00.0 COVER 5.5	
200+00.0 COVER 5.6	
202+00.0 COVER 5.1	
204+00.0 COVER 5.6	
206+00.0 COVER 5.6	
208+00.0 COVER 5.6	



**LEGEND**

- CIL AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BORE ENTRY/EXIT

**GENERAL INFORMATION**

**ISSUED FOR REVIEW**

M.A.O.P., XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG  
 ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID  
 BASED UPON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE,  
 OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET

WARNING

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 ONLY AND THERE MAY ALSO BE OTHER UNDERGROUND UTILITIES THAT ARE NOT SHOWN. IT IS STILL THE CONTRACTORS RESPONSIBILITY TO  
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ORIGINAL DOCUMENT SIZE: 24" X 36"

**REVISION**

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

**SUMMARY OF MATERIALS**

ITEM #	LINEAR FEET	DESCRIPTION
1	31.7	16" x .375 X52, PAINTED
2	4372.9	12" x .250 X60M, 20 MILS FBE
4	795.4	12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

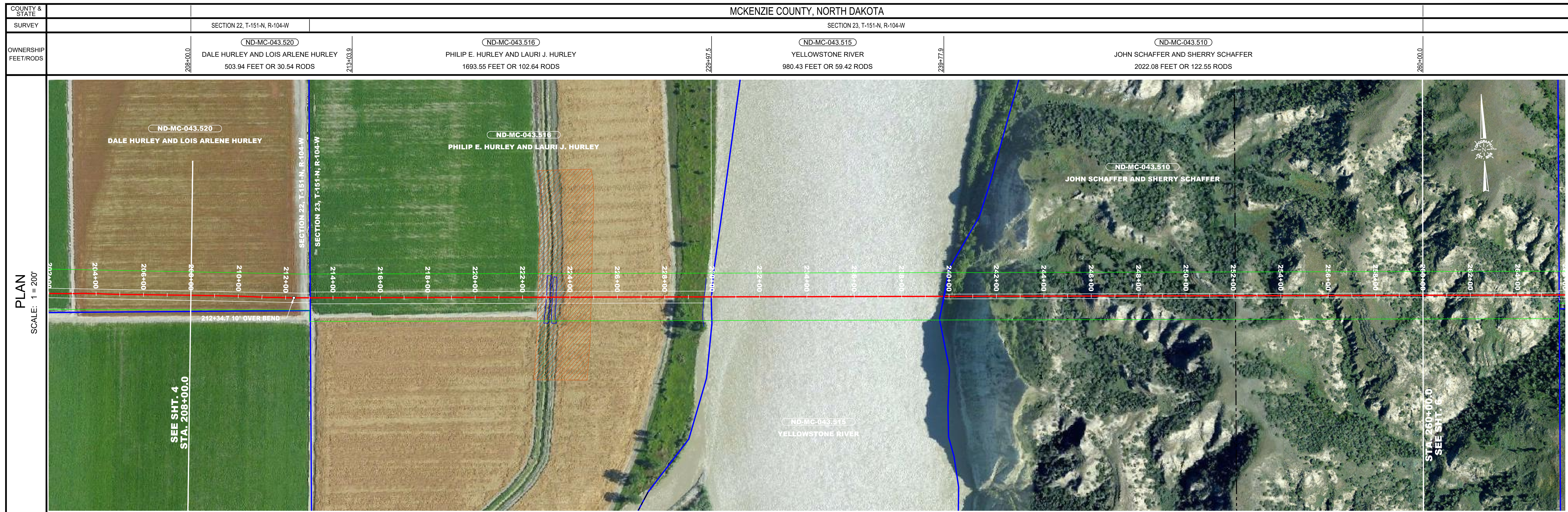
1400 EVERMAN PARKWAY, SUITE 107-113, NORTH TEXAS 79140 TELEPHONE: (817) 744-7515 FAX: (817) 744-7548

**AS-BUILT CONSTRUCTION ALIGNMENT**

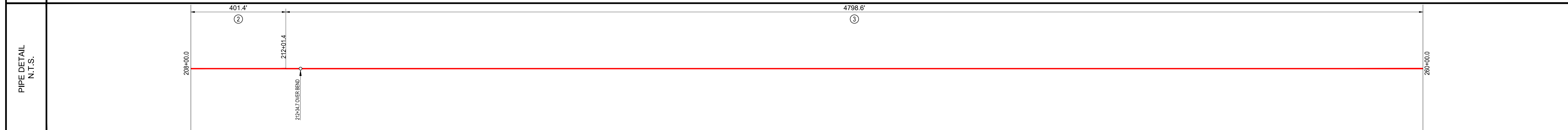
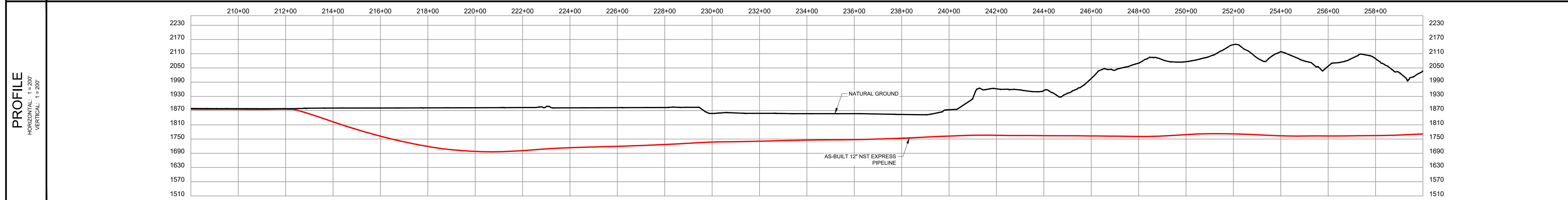
**AS-BUILT NST EXPRESS 12" PIPELINE 156+00.0 TO 208+00.0**

FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C	CHECK: B.R.
SHEET: 4 OF 24	DATE: 10/17/16

**1**



STATIONING	DESCRIPTION
208+00.0 COVER 5.6	
210+00.0 COVER 5.5	
212+00.0 COVER 4.7	
212+34.7 10' OVER BEND	
213+03.9 PROPERTY LINE	
214+00.0 COVER 58.9	
216+00.0 COVER 121.2	
218+00.0 COVER 165.0	
220+00.0 COVER 186.5	
222+00.0 COVER 183.9	
223+64.6 CULTURAL AVOIDANCE	
223+00.2 SWAC	
223+18.4 SWAC	
223+27.2 SWAC	
224+00.0 COVER 170.9	
224+68.7 CULTURAL AVOIDANCE	
226+00.0 COVER 165.5	
228+00.0 COVER 158.5	
229+66.8 TOP OF BANK	
229+97.5 EDGE OF RIVER	
230+00.0 COVER 150.9	
232+00.0 COVER 160.6	
234+00.0 COVER 169.2	
236+00.0 COVER 180.4	
238+00.0 COVER 187.6	
239+77.9 PROPERTY LINE	
239+81.1 PROPERTY LINE	
240+00.0 COVER 182.0	
242+00.0 COVER 201.8	
244+00.0 COVER 216.5	
246+00.0 COVER 230.9	
248+00.0 COVER 246.3	
250+00.0 COVER 251.9	
252+00.0 COVER 262.1	
254+00.0 COVER 283.3	
256+00.0 COVER 297.2	
258+00.0 COVER 308.8	
260+00.0 COVER 316.0	



**LEGEND**

- CL AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BORE ENTRY/EXIT

**GENERAL INFORMATION**

**ISSUED FOR REVIEW**

M.A.O.P. - XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXXX PSIG  
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID  
BASED UPON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE  
OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET

WARNING  
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ORIGINAL DOCUMENT SIZE: 24" X 36"

**REVISION**

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

**SUMMARY OF MATERIALS**

ITEM #	LINEAR FEET	DESCRIPTION
2	401.4	12" x .250 X60M, 20 MILS FBE
3	4798.6	12" x .05 X52M, 50 MILS FBE AND ARO

**NORTHSTAR  
MIDSTREAM**

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, SUITE 107-113, WORTH, TEXAS 75140 TELEPHONE: (817) 744-7515 FAX: (817) 744-7548

**AS-BUILT CONSTRUCTION ALIGNMENT**

**AS-BUILT  
NST EXPRESS  
12" PIPELINE  
208+00.0 TO 260+00.0**

FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C	CHECK: B.R.
SHEET: 5 OF 24	DATE: 10/17/16

1

MCKENZIE COUNTY, NORTH DAKOTA

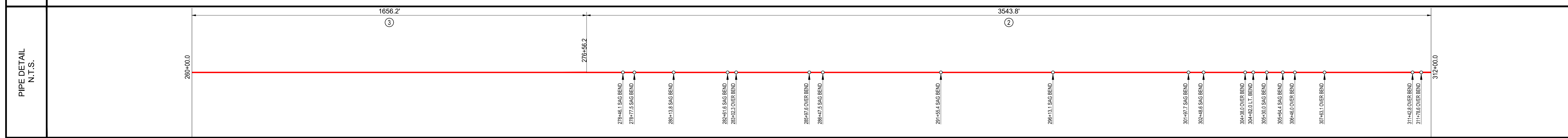
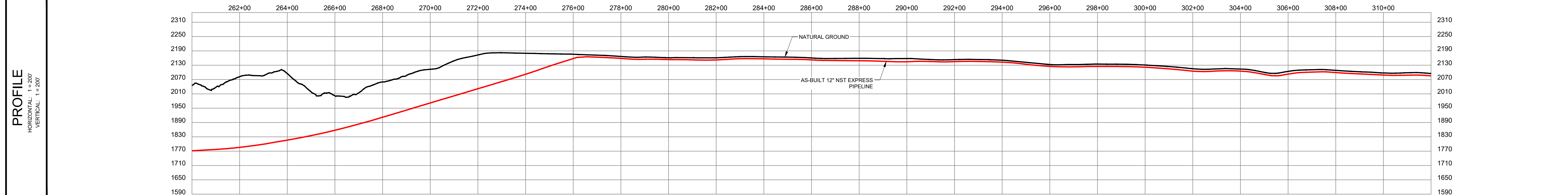
SECTION 23, T-151-N, R-104-W SECTION 24, T-152-N, R-102-W

OWNERSHIP FEET/RODS  
 ND-MC-043.510 JOHN SCHAFFER AND SHERRY SCHAFFER 574.97 FEET OR 34.85 RODS  
 ND-MC-043.504 JASON RAU AND TAUNYA RAU 3957.12 FEET OR 239.83 RODS  
 ND-MC-042.540 CARROLL PAULSON ETAL 667.91 FEET OR 40.48 RODS



STATIONING

260+00.0 COVER 315.0	262+00.0 COVER 314.1	264+00.0 COVER 297.1	265+75.0 PROPERTY LINE 266+00.0 COVER 288.8	268+00.0 COVER 277.6	270+00.0 COVER 181.0	272+00.0 COVER 134.5	274+00.0 COVER 84.3	276+00.0 COVER 14.8	278+00.0 COVER 5.7 278+46.1 4' SAG BEND 279+77.5 4' SAG BEND	280+00.0 COVER 4.8 280+13.8 3' SAG BEND 280+68.9 EDGE OF ROAD 281+11.1 EDGE OF ROAD 281+22.7 WATER LINE	282+00.0 COVER 5.8 282+46.1 6' SAG BEND 283+02.3 3' OVER BEND	284+00.0 COVER 5.7	286+00.0 COVER 5.5 286+47.5 4' SAG BEND	288+00.0 COVER 7.3	289+76.8 WATER LINE 290+00.0 COVER 10.7	291+55.4 4' SAG BEND 292+00.0 COVER 5.5	294+00.0 COVER 5.5	296+00.0 COVER 5.4 296+13.1 6' SAG BEND	297+05.0 EXISTING PIPELINE	298+00.0 COVER 7.3	300+00.0 COVER 6.7	301+67.7 6' SAG BEND 302+00.0 COVER 6.7 302+48.6 4' SAG BEND	303+45.4 EXISTING PIPELINE 304+00.0 COVER 6.0 304+38.0 5' OVER BEND 304+82.0 4' LT. BEND	305+30.0 15' SAG BEND 305+32.1 PROPERTY LINE 305+64.4 13' SAG BEND 306+40.0 COVER 6.0 306+50.6 EXISTING PIPELINE	307+63.1 3' OVER BEND 308+00.0 COVER 6.7	310+00.0 COVER 6.2 310+56.3 EXISTING PIPELINE 310+97.0 EXISTING PIPELINE	311+42.8 7' OVER BEND 311+76.6 3' OVER BEND 312+00.0 COVER 7.2
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LEGEND

- CL AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BORE ENTRY/EXIT

GENERAL INFORMATION

**ISSUED FOR REVIEW**

M.A.O.P., XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG  
 ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET

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ORIGINAL DOCUMENT SIZE: 24" X 36"

REVISION

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

SUMMARY OF MATERIALS

ITEM #	LINEAR FEET	DESCRIPTION
2	3543.8	12" x .250 X60M, 20 MILS FB
3	1656.2	12" x .05 X52M, 50 MILS FB AND ARO



**NORTHSTAR MIDSTREAM**  
 TOPOGRAPHIC  
 LOYALTY INNOVATION LEGACY  
 1400 EVERMAN PARKWAY, SUITE 107-RT, WORTH, TEXAS 76104  
 (817) 744-7510 • FAX (817) 744-7548  
 WWW.NSMIDSTREAM.COM

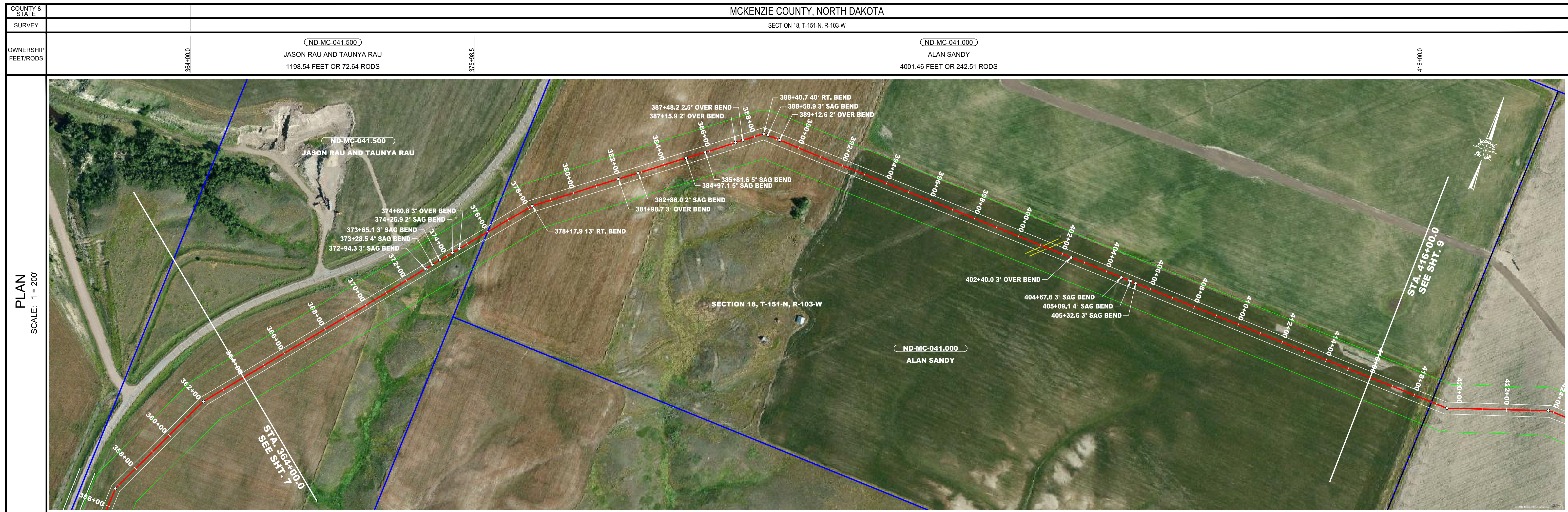
AS-BUILT CONSTRUCTION ALIGNMENT

AS-BUILT NST EXPRESS 12" PIPELINE  
 260+00.0 TO 312+00.0

FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C	CHECK: B.R.
SHEET: 6 OF 24	DATE: 10/17/16

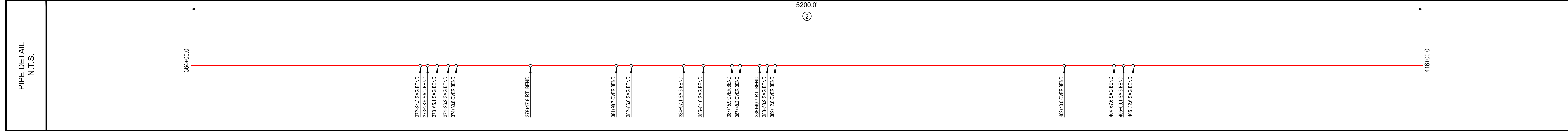
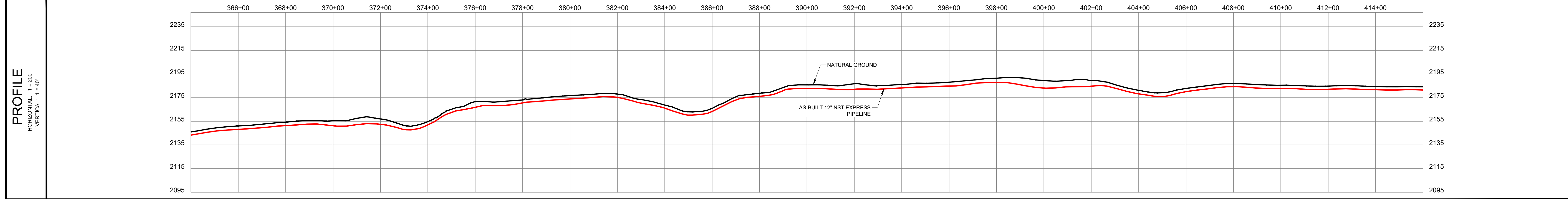
1





**STATIONING**

366+00.0 COVER 4.8	368+00.0 COVER 5.0	370+00.0 COVER 5.0	372+00.0 COVER 6.3	374+00.0 COVER 6.6	374+94.3 3' SAG BEND	374+26.9 2' SAG BEND	374+65.1 3' SAG BEND	373+28.5 4' SAG BEND	372+94.3 3' SAG BEND	372+00.0	376+00.0	378+00.0 COVER 4.6	378+17.9 13' RT. BEND	380+00.0 COVER 4.9	381+68.7 7' OVER BEND	382+00.0 COVER 4.8	382+86.0 2' SAG BEND	384+00.0 COVER 4.7	384+97.1 5' SAG BEND	385+81.6 5' SAG BEND	386+00.0 COVER 4.7	387+15.9 2' OVER BEND	387+48.2 2.5' OVER BEND	387+81.6 5' SAG BEND	387+42.5 2' OVER BEND	388+00.0 COVER 4.7	388+40.7 40' RT. BEND	388+58.9 3' SAG BEND	389+12.6 2' OVER BEND	390+00.0 COVER 5.0	392+00.0 COVER 6.8	394+00.0 COVER 5.0	396+00.0 COVER 5.3	398+00.0 COVER 5.6	400+00.0 COVER 8.4	401+09.5 EXISTING PIPELINE	401+64.5 EXISTING PIPELINE	402+00.0 COVER 6.9	402+40.0 3' OVER BEND	404+00.0 COVER 5.1	404+67.6 3' SAG BEND	405+09.1 4' SAG BEND	405+32.6 3' SAG BEND	406+00.0 COVER 4.8	408+00.0 COVER 4.8	410+00.0 COVER 4.7	412+00.0 COVER 4.7	414+00.0 COVER 4.8	416+00.0 COVER 4.7
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**LEGEND**

- CIL AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BORE ENTRY/EXIT

**GENERAL INFORMATION**

**ISSUED FOR REVIEW**

M.A.O.P., XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG  
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET

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**ORIGINAL DOCUMENT SIZE: 24" X 36"**

**REVISION**

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

**SUMMARY OF MATERIALS**

ITEM #	LINEAR FEET	DESCRIPTION
2	5200.0	12" x .250 X60M, 20 MILS FBE

**NORTHSTAR MIDSTREAM**

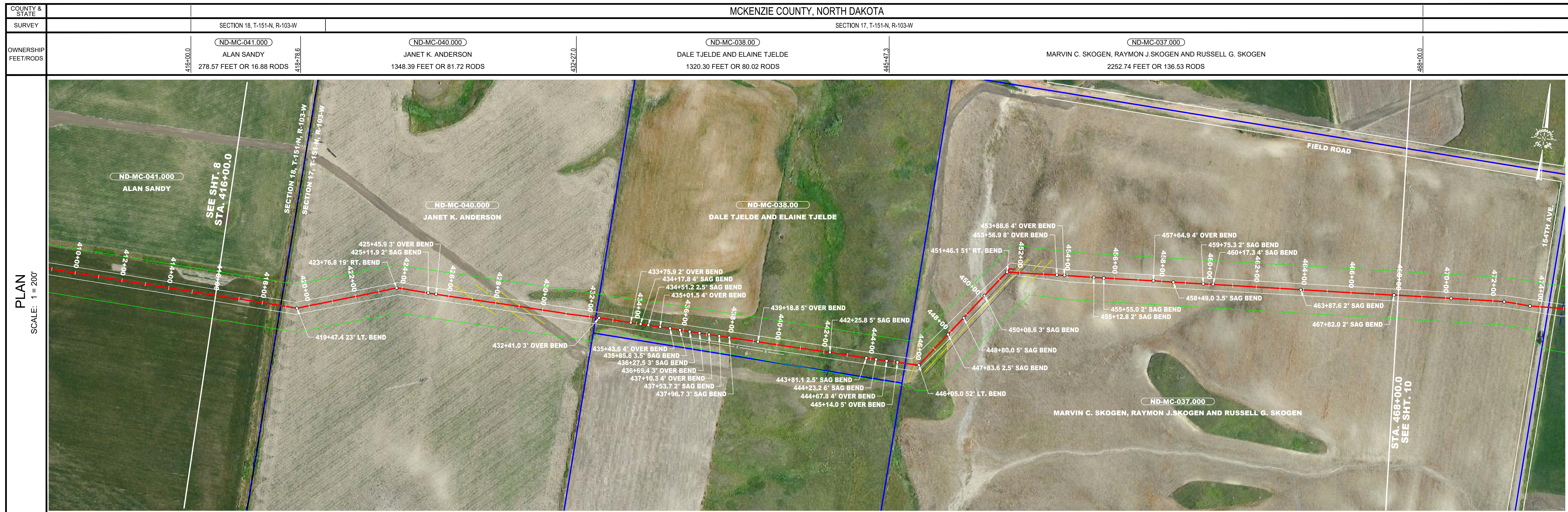
**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY  
1400 EVERMAN PARKWAY, SUITE 107-113, WORTH, TEXAS 76140 TELEPHONE: (817) 744-7515 FAX: (817) 744-7548

**AS-BUILT CONSTRUCTION ALIGNMENT**

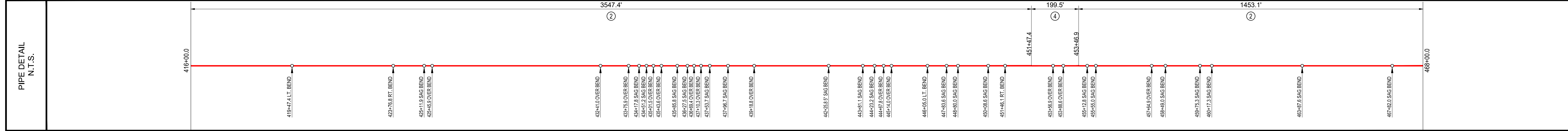
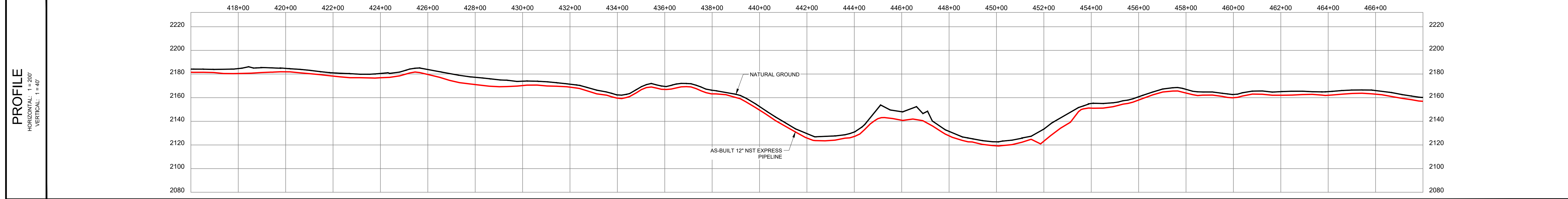
**AS-BUILT NST EXPRESS 12" PIPELINE**  
364+00.0 TO 416+00.0

FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C	CHECK: B.R.
SHEET: 8 OF 24	DATE: 10/17/16

**1**



STATIONING	DESCRIPTION
416+00.0 COVER 4.7	
418+00.0 COVER 6.2	
418+78.6 PROPERTY LINE	
418+47.4 23' LT. BEND	
420+00.0 COVER 5.0	
422+00.0 COVER 4.8	
423+76.8 19' RT. BEND	
424+00.0 COVER 5.7	
425+11.9 2' SAG BEND	
425+45.9 3' OVER BEND	
426+00.0 COVER 6.3	
427+08.6 EXISTING PIPELINE	
428+00.0 COVER 8.2	
428+24.1 EXISTING PIPELINE	
429+07.9 EXISTING PIPELINE	
430+00.0 COVER 5.8	
432+00.0 COVER 4.6	
432+27.0 PROPERTY LINE	
432+41.0 3' OVER BEND	
433+75.9 2' OVER BEND	
434+17.8 4' SAG BEND	
434+51.2 2.5' SAG BEND	
435+01.5 4' OVER BEND	
435+43.6 4' OVER BEND	
435+85.8 3.5' SAG BEND	
436+27.5 3' SAG BEND	
436+60.4 3' OVER BEND	
437+10.3 4' OVER BEND	
437+53.7 2' SAG BEND	
437+96.7 3' SAG BEND	
437+96.7 3' SAG BEND	
438+00.0 COVER 5.1	
439+18.8 5' OVER BEND	
440+00.0 COVER 5.1	
442+00.0 COVER 5.8	
442+25.8 5' SAG BEND	
443+81.1 2.5' SAG BEND	
444+00.0 COVER 5.9	
444+23.2 6' SAG BEND	
444+67.8 4' OVER BEND	
445+14.0 5' OVER BEND	
445+14.3 PROPERTY LINE	
445+80.0 EXISTING PIPELINE	
446+00.0 COVER 9.3	
446+05.0 52' LT. BEND	
447+83.6 2.5' SAG BEND	
448+00.0 COVER 5.9	
448+80.0 5' SAG BEND	
450+00.0 COVER 5.5	
450+08.6 3' SAG BEND	
451+46.1 51' RT. BEND	
452+00.0 COVER 12.3	
452+43.7 EXISTING PIPELINE	
452+78.9 EXISTING PIPELINE	
453+56.9 8' OVER BEND	
453+88.6 4' OVER BEND	
454+00.0 COVER 6.0	
455+12.8 2' SAG BEND	
455+55.0 2' SAG BEND	
456+00.0 COVER 4.8	
457+64.9 4' OVER BEND	
458+00.0 COVER 5.2	
458+49.0 3.5' SAG BEND	
459+75.9 2' SAG BEND	
460+00.0 COVER 4.8	
460+17.3 4' SAG BEND	
462+00.0 COVER 5.1	
463+87.6 2' SAG BEND	
464+00.0 COVER 5.1	
466+00.0 COVER 5.1	
467+82.0 2' SAG BEND	
468+00.0 COVER 5.3	



**LEGEND**

- C/L AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BORE ENTRY/EXIT

**GENERAL INFORMATION**

**ISSUED FOR REVIEW**

M.A.O.P. - XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG  
 ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET

WARNING

A REASONABLE ATTEMPT HAS BEEN MADE TO LOCATE ALL UNDERGROUND OBSTRUCTIONS BUT UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY AND THERE MAY ALSO BE OTHER UNDERGROUND UTILITIES THAT ARE NOT SHOWN. IT IS STILL THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND FACILITIES WITHIN WORKING AREA. CONTRACTOR MUST CONTACT ONE CALL UTILITY LOCATION SERVICES AND THE OWNERS OF THE UTILITIES TO VERIFY THEIR LOCATION.

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ORIGINAL DOCUMENT SIZE: 24" X 36"

**REVISION**

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

**SUMMARY OF MATERIALS**

ITEM #	LINEAR FEET	DESCRIPTION
2	5000.5	12" x .250 X60M, 20 MILS FB
4	199.5	12" x .375 X52M, 20 MILS FB W/ 30 MILS ARO

**NORTHSTAR MIDSTREAM**

**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY

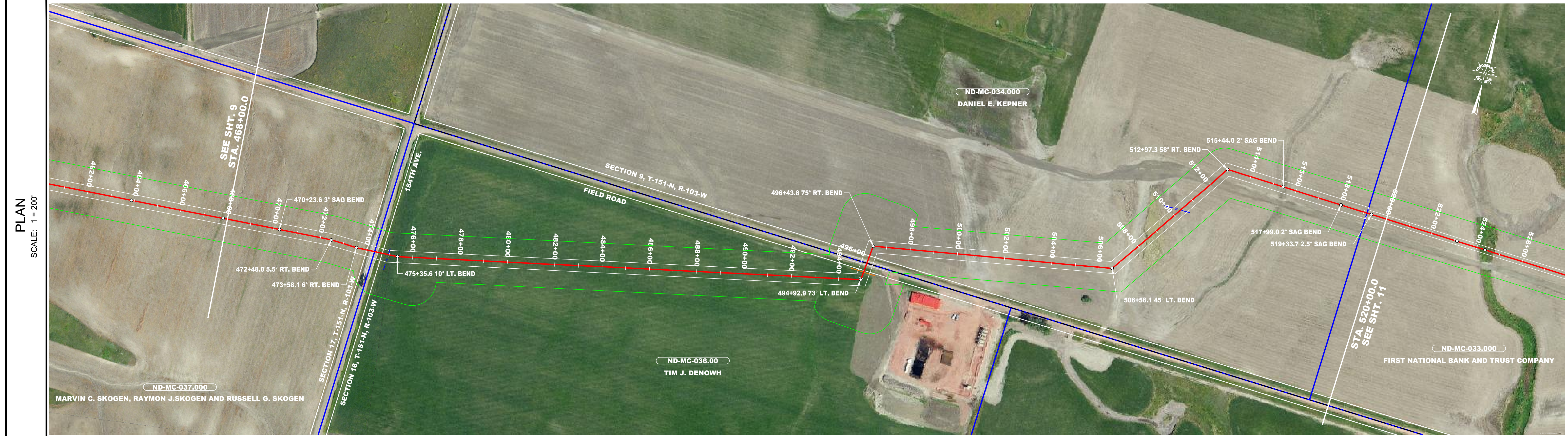
1400 EVERMAN PARKWAY, SU. 107-117, NORTH TEXAS 79140 TELEPHONE: (817) 744-7515 FAX: (817) 744-7548

**AS-BUILT CONSTRUCTION ALIGNMENT**

**AS-BUILT NST EXPRESS 12" PIPELINE**  
 416+00.0 TO 468+00.0

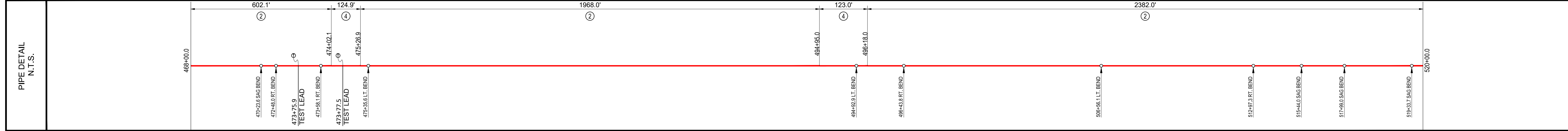
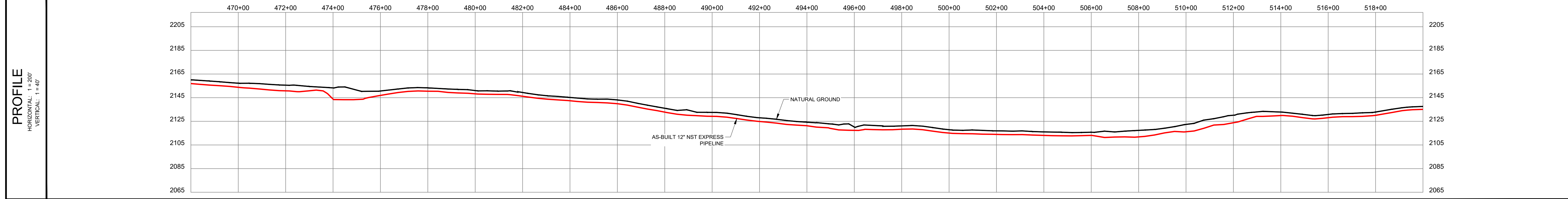
FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C	CHECK: B.R.
SHEET: 9 OF 24	DATE: 10/17/16

**1**



STATIONING

468+00.0 COVER 5.3	470+00.0 COVER 5.5	470+23.6 3' SAG BEND	472+48.0 5.5' RT. BEND	473+58.1 6' RT. BEND	474+00.0 COVER 6.9	474+23.6 3' SAG BEND	474+50.0 EDGE OF ROAD	474+50.0 EDGE OF ROAD	474+96.3 WATER LINE	475+35.6 10' LT. BEND	476+00.0 COVER 5.8	475+35.6 10' LT. BEND	477+75.9 TEST LEAD	478+00.0 COVER 4.9	480+00.0 COVER 4.8	482+00.0 COVER 5.3	484+00.0 COVER 4.9	486+00.0 COVER 5.3	488+00.0 COVER 5.1	489+29.9 7.3' LT. BEND	485+26.8 CABLE	485+58.3 EDGE OF ROAD	485+77.0 EDGE OF ROAD	486+00.0 COVER 4.9	486+43.8 7.5' RT. BEND	488+00.0 COVER 4.9	500+00.0 COVER 4.9	502+00.0 COVER 5.1	504+00.0 COVER 5.1	506+00.0 COVER 4.7	506+56.1 4.5' LT. BEND	508+00.0 COVER 7.6	510+00.0 COVER 8.3	510+34.7 WATER LINE	512+00.0 COVER 8.4	512+97.3 3.98' RT. BEND	514+00.0 COVER 5.0	515+44.0 2' SAG BEND	516+00.0 COVER 4.8	517+99.0 2' SAG BEND	519+14.1 PROPERTY LINE	520+00.0 COVER 4.8
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LEGEND

- C/L AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BONE ENTRY/EXIT

GENERAL INFORMATION

ISSUED FOR REVIEW

M.A.O.P. - XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET

WARNING

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ORIGINAL DOCUMENT SIZE: 24" X 36"

REVISION

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

SUMMARY OF MATERIALS

ITEM #	LINEAR FEET	DESCRIPTION
2	4952.1	12" x .250 X60M, 20 MILS FBE
4	247.9	12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

AS-BUILT CONSTRUCTION ALIGNMENT

AS-BUILT NST EXPRESS 12" PIPELINE 468+00.0 TO 520+00.0

FILE: AB\_NST\_EXPRESS\_REV1

DRAFT: J.M.C

CHECK: B.R.

DATE: 10/17/16

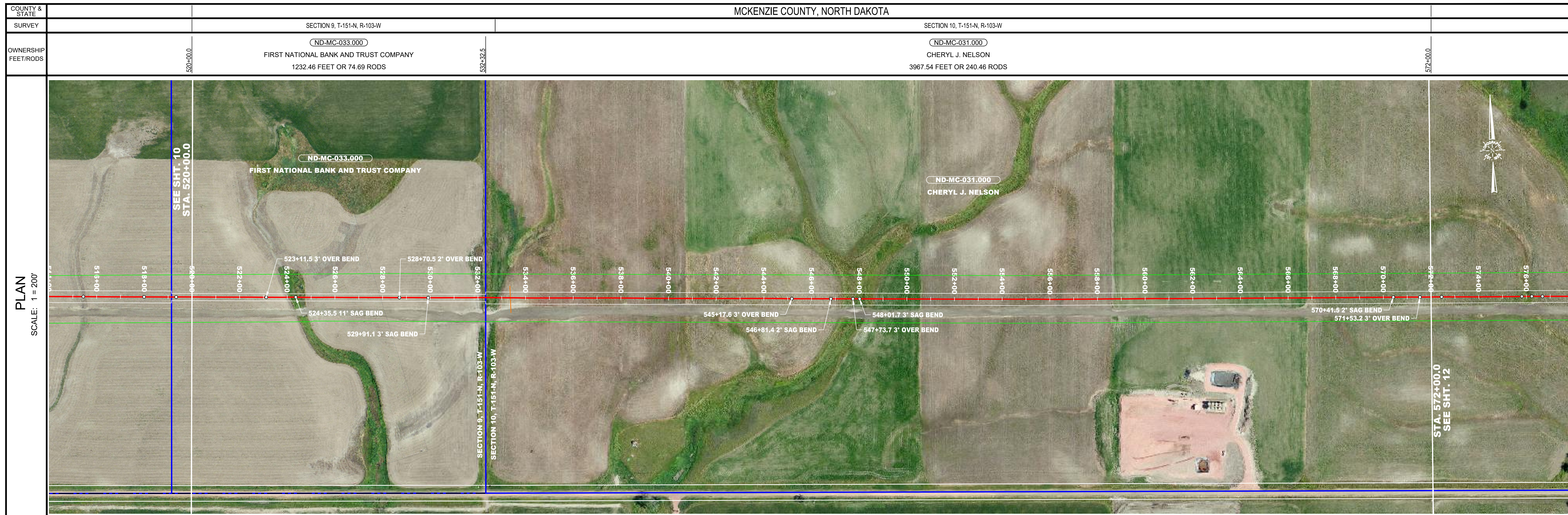
REVISION: 1

10 OF 24

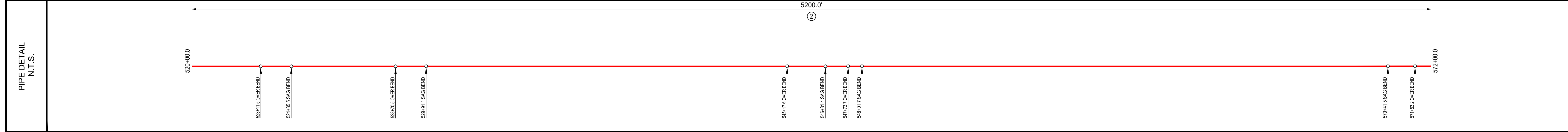
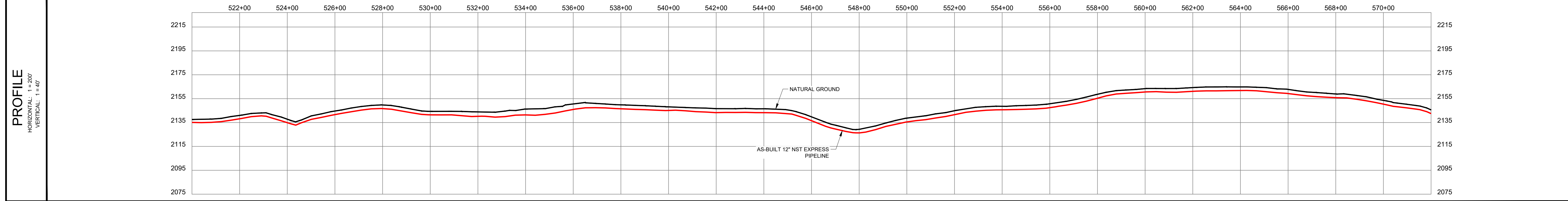
TOPOGRAPHIC

LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, SUITE 107-113, WORTH, TEXAS 75140 TELEPHONE: (817) 744-7515 FAX: (817) 744-7548



STATIONING	DESCRIPTION
520+00.0	COVER 4.6
522+00.0	COVER 4.9
523+11.5	3' OVER BEND
524+00.0	COVER 5.0
524+35.5	11' SAG BEND
526+00.0	COVER 5.1
528+00.0	COVER 5.2
528+70.5	2' OVER BEND
529+91.1	3' SAG BEND
530+00.0	COVER 5.0
532+32.5	PROPERTY LINE
533+36.3	CABLE
534+00.0	COVER 7.0
538+00.0	COVER 6.7
538+00.0	COVER 5.4
540+00.0	COVER 5.1
542+00.0	COVER 5.4
544+00.0	COVER 5.3
545+17.6	3' OVER BEND
546+00.0	COVER 5.3
546+61.4	2' SAG BEND
547+73.7	3' OVER BEND
548+00.0	COVER 5.1
548+01.7	3' SAG BEND
550+00.0	COVER 5.3
552+00.0	COVER 5.4
554+00.0	COVER 5.0
556+00.0	COVER 5.3
558+00.0	COVER 5.4
560+00.0	COVER 4.9
562+00.0	COVER 5.2
564+00.0	COVER 5.1
566+00.0	COVER 5.6
568+00.0	COVER 5.2
570+00.0	COVER 5.2
570+41.5	2' SAG BEND
571+53.2	3' OVER BEND
572+00.0	COVER 5.1



**LEGEND**

- C/L AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
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**GENERAL INFORMATION**

**ISSUED FOR REVIEW**

M.A.O.P. - XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG  
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ORIGINAL DOCUMENT SIZE: 24" X 36"

**REVISION**

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

**SUMMARY OF MATERIALS**

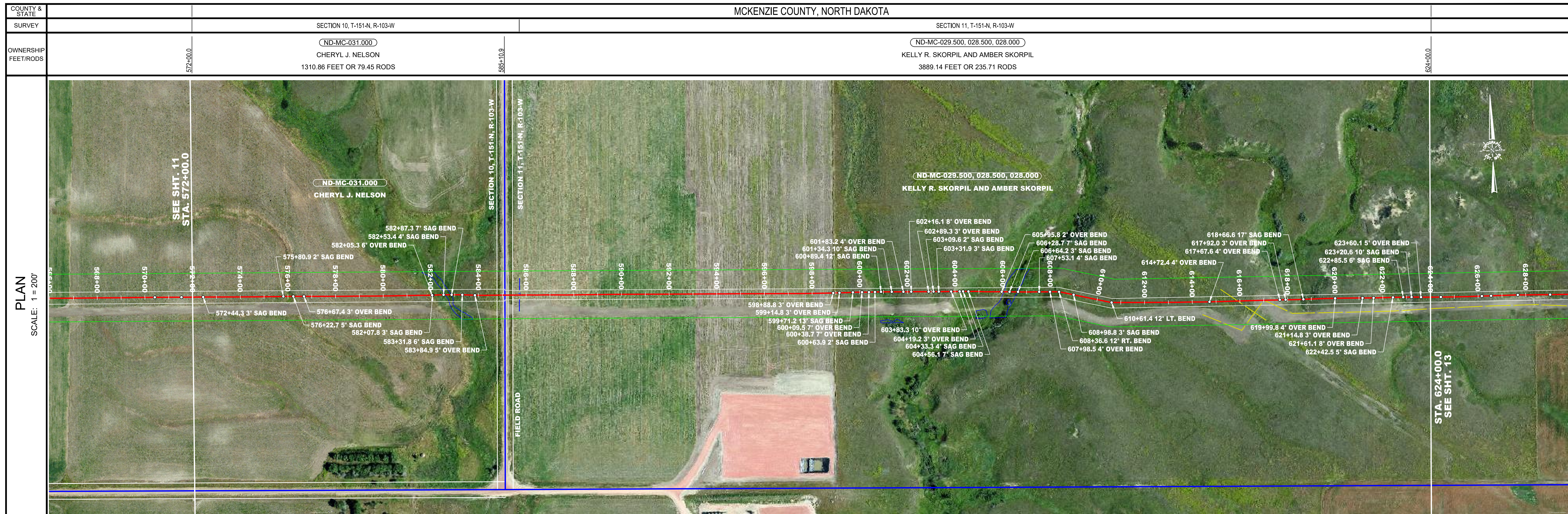
ITEM #	LINEAR FEET	DESCRIPTION
2	5200.0	12" x .250 X60M, 20 MILS FBE

**AS-BUILT CONSTRUCTION ALIGNMENT**

AS-BUILT  
 NST EXPRESS  
 12" PIPELINE  
 520+00.0 TO 572+00.0

FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C	CHECK: B.R.
SHEET: 11 OF 24	DATE: 10/17/16

**1**



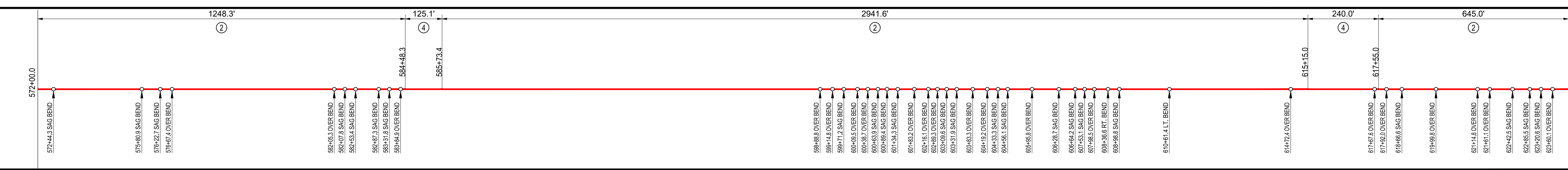
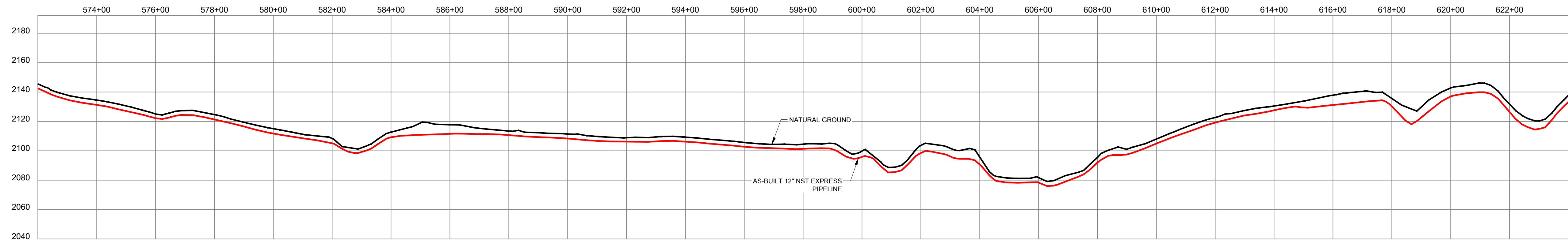
PLAN  
SCALE: 1" = 200'

STATIONING

PROFILE  
HORIZONTAL: 1" = 200'  
VERTICAL: 1" = 40'

PIPE DETAIL  
N.T.S.

- 572+00.0 COVER 5.1
- 572+44.3 3' SAG BEND
- 574+00.0 COVER 5.4
- 575+80.9 2' SAG BEND
- 576+27.7 5' SAG BEND
- 576+67.4 3' OVER BEND
- 576+81.9 2' SAG BEND
- 578+00.0 COVER 5.4
- 580+00.0 COVER 5.4
- 582+00.0 COVER 5.3
- 582+05.3 6' OVER BEND
- 582+07.3 3' SAG BEND
- 582+12.2 2' SAG BEND
- 582+16.7 4' SAG BEND
- 582+22.7 5' SAG BEND
- 582+27.7 7' SAG BEND
- 582+31.8 6' SAG BEND
- 582+34.4 4' SAG BEND
- 582+38.7 5' SAG BEND
- 582+43.7 7' SAG BEND
- 582+48.3 5' OVER BEND
- 582+53.4 4' SAG BEND
- 582+58.3 6' OVER BEND
- 583+00.0 COVER 5.5
- 583+04.9 5' OVER BEND
- 583+09.8 6' OVER BEND
- 583+14.7 7' OVER BEND
- 583+19.6 8' OVER BEND
- 583+24.5 1' EDGE OF ROAD
- 583+29.4 2' EDGE OF ROAD
- 583+34.3 3' SAG BEND
- 583+39.2 4' SAG BEND
- 583+44.1 5' SAG BEND
- 583+49.0 6' SAG BEND
- 583+53.9 7' SAG BEND
- 583+58.8 8' SAG BEND
- 583+63.7 9' SAG BEND
- 583+68.6 10' SAG BEND
- 583+73.5 11' SAG BEND
- 583+78.4 12' SAG BEND
- 583+83.3 13' SAG BEND
- 583+88.2 14' SAG BEND
- 583+93.1 15' SAG BEND
- 583+98.0 16' SAG BEND
- 583+102.9 17' SAG BEND
- 583+107.8 18' SAG BEND
- 583+112.7 19' SAG BEND
- 583+117.6 20' SAG BEND
- 583+122.5 21' SAG BEND
- 583+127.4 22' SAG BEND
- 583+132.3 23' SAG BEND
- 583+137.2 24' SAG BEND
- 583+142.1 25' SAG BEND
- 583+147.0 26' SAG BEND
- 583+151.9 27' SAG BEND
- 583+156.8 28' SAG BEND
- 583+161.7 29' SAG BEND
- 583+166.6 30' SAG BEND
- 583+171.5 31' SAG BEND
- 583+176.4 32' SAG BEND
- 583+181.3 33' SAG BEND
- 583+186.2 34' SAG BEND
- 583+191.1 35' SAG BEND
- 583+196.0 36' SAG BEND
- 583+200.9 37' SAG BEND
- 583+205.8 38' SAG BEND
- 583+210.7 39' SAG BEND
- 583+215.6 40' SAG BEND
- 583+220.5 41' SAG BEND
- 583+225.4 42' SAG BEND
- 583+230.3 43' SAG BEND
- 583+235.2 44' SAG BEND
- 583+240.1 45' SAG BEND
- 583+245.0 46' SAG BEND
- 583+250.0 47' SAG BEND
- 583+255.0 48' SAG BEND
- 583+260.0 49' SAG BEND
- 583+265.0 50' SAG BEND
- 583+270.0 51' SAG BEND
- 583+275.0 52' SAG BEND
- 583+280.0 53' SAG BEND
- 583+285.0 54' SAG BEND
- 583+290.0 55' SAG BEND
- 583+295.0 56' SAG BEND
- 583+300.0 57' SAG BEND
- 583+305.0 58' SAG BEND
- 583+310.0 59' SAG BEND
- 583+315.0 60' SAG BEND
- 583+320.0 61' SAG BEND
- 583+325.0 62' SAG BEND
- 583+330.0 63' SAG BEND
- 583+335.0 64' SAG BEND
- 583+340.0 65' SAG BEND
- 583+345.0 66' SAG BEND
- 583+350.0 67' SAG BEND
- 583+355.0 68' SAG BEND
- 583+360.0 69' SAG BEND
- 583+365.0 70' SAG BEND
- 583+370.0 71' SAG BEND
- 583+375.0 72' SAG BEND
- 583+380.0 73' SAG BEND
- 583+385.0 74' SAG BEND
- 583+390.0 75' SAG BEND
- 583+395.0 76' SAG BEND
- 583+400.0 77' SAG BEND
- 583+405.0 78' SAG BEND
- 583+410.0 79' SAG BEND
- 583+415.0 80' SAG BEND
- 583+420.0 81' SAG BEND
- 583+425.0 82' SAG BEND
- 583+430.0 83' SAG BEND
- 583+435.0 84' SAG BEND
- 583+440.0 85' SAG BEND
- 583+445.0 86' SAG BEND
- 583+450.0 87' SAG BEND
- 583+455.0 88' SAG BEND
- 583+460.0 89' SAG BEND
- 583+465.0 90' SAG BEND
- 583+470.0 91' SAG BEND
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- 583+485.0 94' SAG BEND
- 583+490.0 95' SAG BEND
- 583+495.0 96' SAG BEND
- 583+500.0 97' SAG BEND
- 583+505.0 98' SAG BEND
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- 583+515.0 100' SAG BEND
- 583+520.0 101' SAG BEND
- 583+525.0 102' SAG BEND
- 583+530.0 103' SAG BEND
- 583+535.0 104' SAG BEND
- 583+540.0 105' SAG BEND
- 583+545.0 106' SAG BEND
- 583+550.0 107' SAG BEND
- 583+555.0 108' SAG BEND
- 583+560.0 109' SAG BEND
- 583+565.0 110' SAG BEND
- 583+570.0 111' SAG BEND
- 583+575.0 112' SAG BEND
- 583+580.0 113' SAG BEND
- 583+585.0 114' SAG BEND
- 583+590.0 115' SAG BEND
- 583+595.0 116' SAG BEND
- 583+600.0 117' SAG BEND
- 583+605.0 118' SAG BEND
- 583+610.0 119' SAG BEND
- 583+615.0 120' SAG BEND
- 583+620.0 121' SAG BEND
- 583+625.0 122' SAG BEND
- 583+630.0 123' SAG BEND
- 583+635.0 124' SAG BEND
- 583+640.0 125' SAG BEND
- 583+645.0 126' SAG BEND
- 583+650.0 127' SAG BEND
- 583+655.0 128' SAG BEND
- 583+660.0 129' SAG BEND
- 583+665.0 130' SAG BEND
- 583+670.0 131' SAG BEND
- 583+675.0 132' SAG BEND
- 583+680.0 133' SAG BEND
- 583+685.0 134' SAG BEND
- 583+690.0 135' SAG BEND
- 583+695.0 136' SAG BEND
- 583+700.0 137' SAG BEND
- 583+705.0 138' SAG BEND
- 583+710.0 139' SAG BEND
- 583+715.0 140' SAG BEND
- 583+720.0 141' SAG BEND
- 583+725.0 142' SAG BEND
- 583+730.0 143' SAG BEND
- 583+735.0 144' SAG BEND
- 583+740.0 145' SAG BEND
- 583+745.0 146' SAG BEND
- 583+750.0 147' SAG BEND
- 583+755.0 148' SAG BEND
- 583+760.0 149' SAG BEND
- 583+765.0 150' SAG BEND
- 583+770.0 151' SAG BEND
- 583+775.0 152' SAG BEND
- 583+780.0 153' SAG BEND
- 583+785.0 154' SAG BEND
- 583+790.0 155' SAG BEND
- 583+795.0 156' SAG BEND
- 583+800.0 157' SAG BEND
- 583+805.0 158' SAG BEND
- 583+810.0 159' SAG BEND
- 583+815.0 160' SAG BEND
- 583+820.0 161' SAG BEND
- 583+825.0 162' SAG BEND
- 583+830.0 163' SAG BEND
- 583+835.0 164' SAG BEND
- 583+840.0 165' SAG BEND
- 583+845.0 166' SAG BEND
- 583+850.0 167' SAG BEND
- 583+855.0 168' SAG BEND
- 583+860.0 169' SAG BEND
- 583+865.0 170' SAG BEND
- 583+870.0 171' SAG BEND
- 583+875.0 172' SAG BEND
- 583+880.0 173' SAG BEND
- 583+885.0 174' SAG BEND
- 583+890.0 175' SAG BEND
- 583+895.0 176' SAG BEND
- 583+900.0 177' SAG BEND
- 583+905.0 178' SAG BEND
- 583+910.0 179' SAG BEND
- 583+915.0 180' SAG BEND
- 583+920.0 181' SAG BEND
- 583+925.0 182' SAG BEND
- 583+930.0 183' SAG BEND
- 583+935.0 184' SAG BEND
- 583+940.0 185' SAG BEND
- 583+945.0 186' SAG BEND
- 583+950.0 187' SAG BEND
- 583+955.0 188' SAG BEND
- 583+960.0 189' SAG BEND
- 583+965.0 190' SAG BEND
- 583+970.0 191' SAG BEND
- 583+975.0 192' SAG BEND
- 583+980.0 193' SAG BEND
- 583+985.0 194' SAG BEND
- 583+990.0 195' SAG BEND
- 583+995.0 196' SAG BEND
- 584+00.0 197' SAG BEND
- 584+00.0 COVER 5.1
- 584+00.0 COVER 5.0
- 584+00.0 COVER 4.9
- 584+00.0 COVER 4.8
- 584+00.0 COVER 4.7
- 584+00.0 COVER 4.6
- 584+00.0 COVER 4.5
- 584+00.0 COVER 4.4
- 584+00.0 COVER 4.3
- 584+00.0 COVER 4.2
- 584+00.0 COVER 4.1
- 584+00.0 COVER 4.0
- 584+00.0 COVER 3.9
- 584+00.0 COVER 3.8
- 584+00.0 COVER 3.7
- 584+00.0 COVER 3.6
- 584+00.0 COVER 3.5
- 584+00.0 COVER 3.4
- 584+00.0 COVER 3.3
- 584+00.0 COVER 3.2
- 584+00.0 COVER 3.1
- 584+00.0 COVER 3.0
- 584+00.0 COVER 2.9
- 584+00.0 COVER 2.8
- 584+00.0 COVER 2.7
- 584+00.0 COVER 2.6
- 584+00.0 COVER 2.5
- 584+00.0 COVER 2.4
- 584+00.0 COVER 2.3
- 584+00.0 COVER 2.2
- 584+00.0 COVER 2.1
- 584+00.0 COVER 2.0
- 584+00.0 COVER 1.9
- 584+00.0 COVER 1.8
- 584+00.0 COVER 1.7
- 584+00.0 COVER 1.6
- 584+00.0 COVER 1.5
- 584+00.0 COVER 1.4
- 584+00.0 COVER 1.3
- 584+00.0 COVER 1.2
- 584+00.0 COVER 1.1
- 584+00.0 COVER 1.0
- 584+00.0 COVER 0.9
- 584+00.0 COVER 0.8
- 584+00.0 COVER 0.7
- 584+00.0 COVER 0.6
- 584+00.0 COVER 0.5
- 584+00.0 COVER 0.4
- 584+00.0 COVER 0.3
- 584+00.0 COVER 0.2
- 584+00.0 COVER 0.1
- 584+00.0 COVER 0.0



**LEGEND**

- CL AS-BUILT PIPELINE
- FENCE LINE
- SURVEY SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BORE ENTRY/EXIT

**GENERAL INFORMATION**

**ISSUED FOR REVIEW**

M.A.O.P. XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG  
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 BASED UPON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE,  
 OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET

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ORIGINAL DOCUMENT SIZE: 24" X 36"

REVISION		SUMMARY OF MATERIALS			
NO.	DESCRIPTION	DATE	ITEM #	LINEAR FEET	DESCRIPTION
1	SURVEY CORRIDOR	1/06/17	2	4834.9	12" x .250 X60M, 20 MILS FBE
			4	365.1	12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

**NORTHSTAR MIDSTREAM**

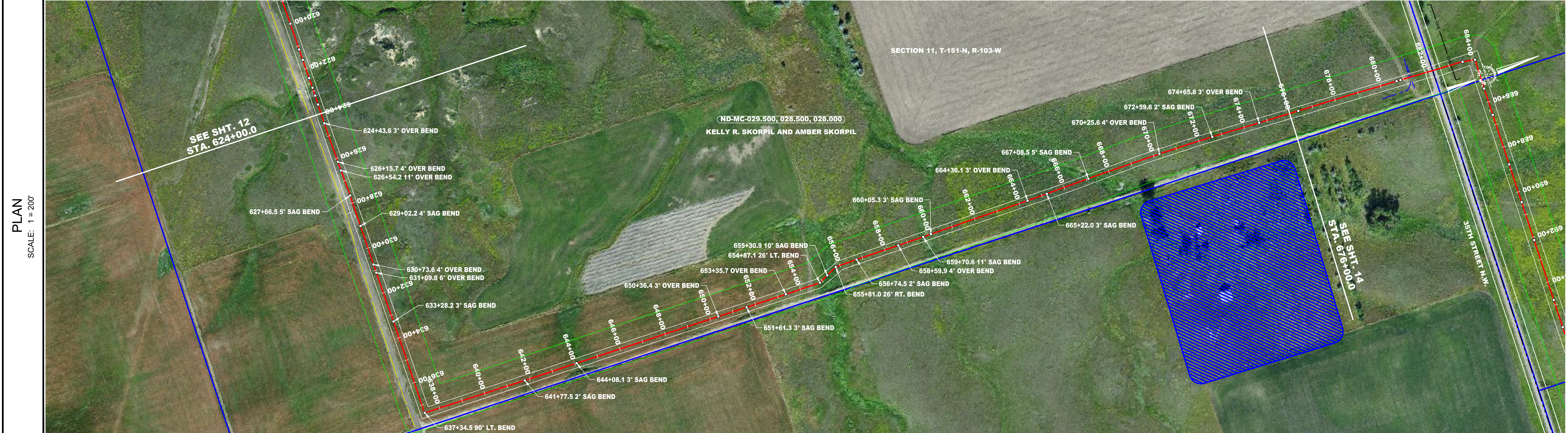
**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY  
 1400 EVERMAN PARKWAY, SUITE 107-111, NORTH TEXAS 79140 TELEPHONE: (817) 744-7512 FAX: (817) 744-7548  
 WWW.TOPOGRAPHIC.COM

**AS-BUILT CONSTRUCTION ALIGNMENT**

**AS-BUILT NST EXPRESS 12" PIPELINE**  
 572+00.0 TO 624+00.0

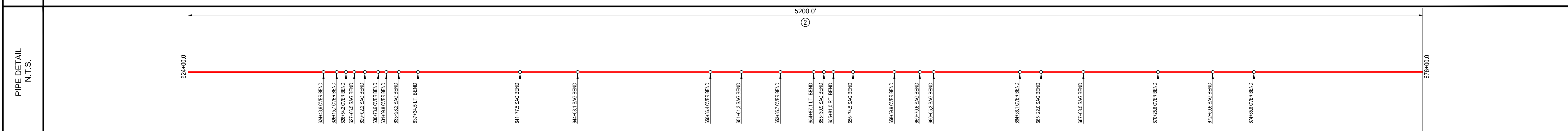
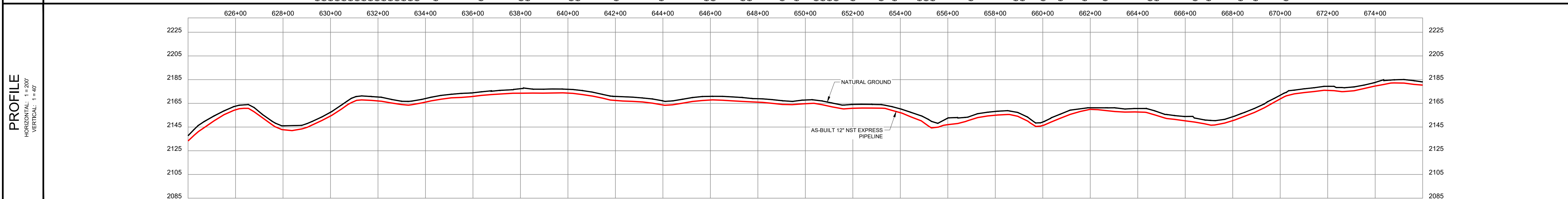
FILE: AB\_NST\_EXPRESS\_REV1  
 DRAFT: J.M.C. CHECK: B.R.  
 SHEET: 12 OF 24 DATE: 10/17/16

REVISION: **1**



STATIONING

624+00.0 COVER 6.6	624+43.6 3' OVER BEND	626+15.7 4' OVER BEND	626+54.2 11' OVER BEND	627+66.5 5' SAG BEND	629+02.2 4' SAG BEND	630+73.6 4' OVER BEND	631+09.8 6' OVER BEND	633+28.2 3' SAG BEND	637+34.5 90° LT. BEND	641+77.5 2' SAG BEND	644+08.1 3' SAG BEND	648+00.0 COVER 5.0	650+00.0 COVER 5.2	650+36.4 3' OVER BEND	651+61.3 3' SAG BEND	653+35.7 OVER BEND	654+87.1 26' LT. BEND	655+30.9 10' SAG BEND	655+81.0 26' RT. BEND	656+74.5 2' SAG BEND	658+59.9 4' OVER BEND	659+70.6 11' SAG BEND	660+00.0 COVER 5.0	660+45.3 3' SAG BEND	662+00.0 COVER 3.4	664+00.0 COVER 5.0	664+36.1 3' OVER BEND	665+22.0 3' SAG BEND	666+00.0 COVER 5.7	667+08.5 5' SAG BEND	668+00.0 COVER 5.4	670+00.0 COVER 5.2	670+25.6 4' OVER BEND	672+00.0 COVER 5.5	672+56.6 2' SAG BEND	674+00.0 COVER 5.1	674+66.8 3' OVER BEND	676+00.0 COVER 4.7
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LEGEND

- CL AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
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- POINT OF INTERSECTION
- TEST LEAD
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GENERAL INFORMATION

**ISSUED FOR REVIEW**

M.A.O.P., XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG  
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ORIGINAL DOCUMENT SIZE: 24" X 36"

REVISION

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

SUMMARY OF MATERIALS

ITEM #	LINEAR FEET	DESCRIPTION
2	5200.0	12" x .250 X60M, 20 MILS FBE

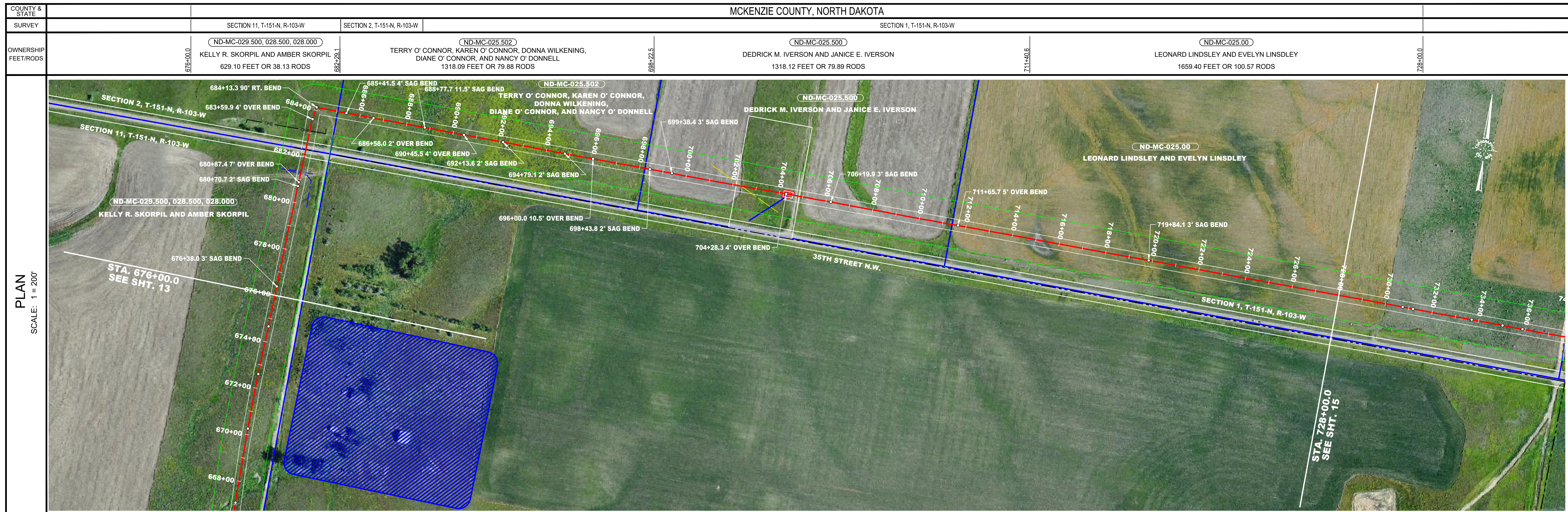
**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY  
 1400 EVERMAN PARKWAY, SUITE 107-113, WORTH, TEXAS 76184  
 (817) 744-7515 • FAX (817) 744-7548  
 WWW.TOPOG.COM

AS-BUILT CONSTRUCTION ALIGNMENT

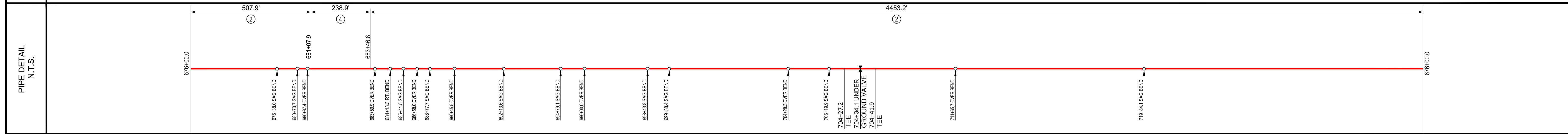
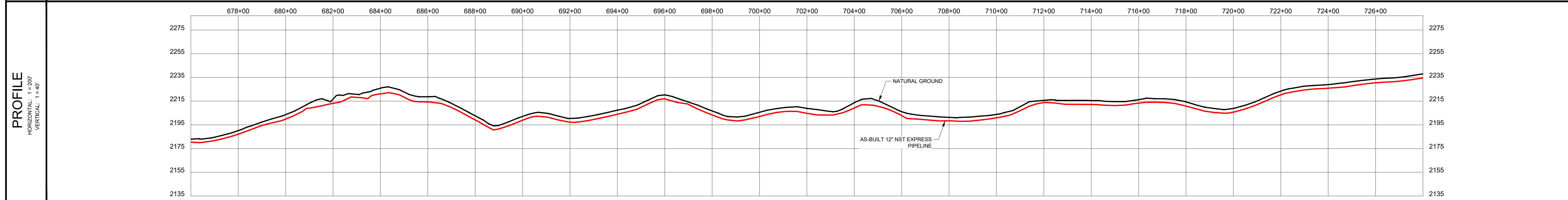
**AS-BUILT NST EXPRESS 12" PIPELINE**  
 624+00.0 TO 676+00.0

FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C	CHECK: B.R.
SHEET: 13 OF 24	DATE: 10/17/16

**1**



STATIONING	DESCRIPTION
676+00.0	COVER 4.7
676+38.0	SAG BEND
677+00.0	COVER 5.0
680+70.7	SAG BEND
680+87.4	OVER BEND
681+43.8	WATER LINE
682+00.0	COVER 5.7
682+14.1	EDGE OF ROAD
682+21.1	PROPERTY LINE
683+09.3	POWER LINE
684+13.3	RT. BEND
684+00.0	COVER 6.8
685+04.4	PROPERTY LINE
686+58.0	OVER BEND
688+00.0	COVER 6.5
688+00.0	COVER 5.8
688+77.7	11.5' SAG BEND
689+45.5	COVER 5.3
690+45.5	COVER 5.4
692+00.0	COVER 5.1
692+13.6	SAG BEND
694+00.0	COVER 5.5
694+79.1	SAG BEND
696+00.0	10.5' OVER BEND & COVER 5.4
698+00.0	COVER 5.4
698+43.8	SAG BEND
699+38.4	SAG BEND
700+00.0	COVER 5.6
702+00.0	COVER 6.2
702+14.6	SITE
702+36.0	EXISTING PIPELINE
704+00.0	COVER 6.5
704+17.1	SITE
704+28.3	COVER BEND
704+77.5	EDGE OF ROAD
704+82.4	EDGE OF ROAD
704+85.8	SITE
706+19.9	SAG BEND
708+00.0	COVER 5.0
710+00.0	COVER 5.0
711+45.8	PROPERTY LINE
711+45.7	COVER BEND
712+00.0	COVER 4.0
714+00.0	COVER 5.4
716+00.0	COVER 5.0
718+00.0	COVER 5.6
719+84.1	SAG BEND
720+00.0	COVER 5.2
722+00.0	COVER 5.2
724+00.0	COVER 5.1
726+00.0	COVER 5.3
728+00.0	COVER 5.5



LEGEND	
	C/L AS-BUILT PIPELINE
	FENCE LINE
	SURVEY/SECTION LINE
	TRACT BORDER
	COUNTY LINE
	EXISTING PIPELINE
	SURVEY CORRIDOR
	ROAD WAY
	PERMANENT EASEMENT
	TEMPORARY WORKSPACE
	ADDITIONAL TEMPORARY WORKSPACE
	POINT OF INTERSECTION
	TEST LEAD
	BLOCK VALVE
	BONE ENTRY/EXIT

**GENERAL INFORMATION**

**ISSUED FOR REVIEW**

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ORIGINAL DOCUMENT SIZE: 24" X 36"

REVISION		
NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

SUMMARY OF MATERIALS				
NO.	DESCRIPTION	DATE	ITEM #	LINEAR FEET
1	SURVEY CORRIDOR	1/06/17	2	4961.1
			4	238.9

AS-BUILT CONSTRUCTION ALIGNMENT		
AS-BUILT NST EXPRESS 12" PIPELINE 676+00.0 TO 728+00.0		
FILE: AB_NST_EXPRESS_REV1	CHECK: B.R.	REVISION: 1
DRAFT: J.M.C.	DATE: 10/17/16	
SHEET: 14 OF 24		

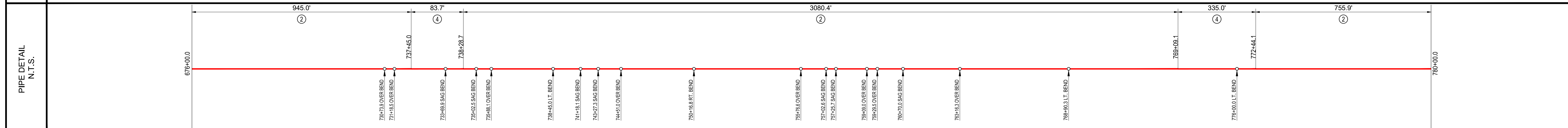
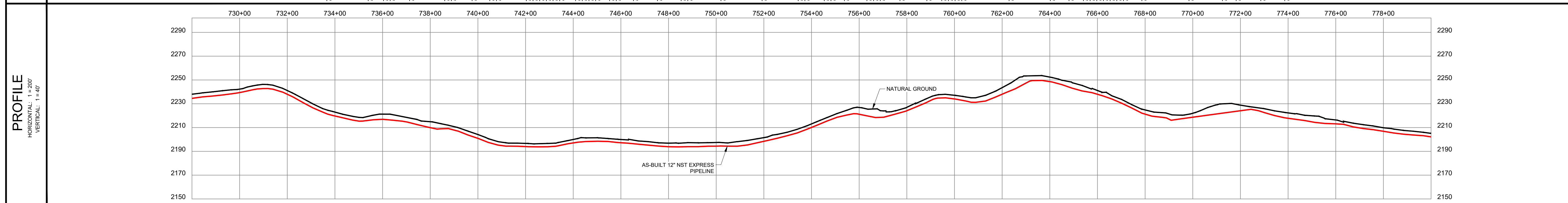
MCKENZIE COUNTY, NORTH DAKOTA

COUNTY & STATE	SECTION 1, T-151-N, R-103-W		SECTION 6, T-151-N, R-102-W	
SURVEY	ND-MC-025.00		ND-MC-024.000	

OWNERSHIP FEET/RODS	728+00.0	737+76.8	3765.06 FEET OR 228.19 RODS	775+41.8	780+00.0
	LEONARD LINDSLEY AND EVELYN LINDSLEY 976.78 FEET OR 59.20 RODS		SAFELY FAMILY TRUST	DEDRICK M. & JANICE E. IVERSON 458.16 FEET OR 27.77 RODS	



STATIONING	DESCRIPTION
728+00.0	COVER 5.5
730+00.0	COVER 4.9
730+73.9	2' OVER BEND
731+18.5	2' OVER BEND
732+00.0	COVER 5.2
733+69.9	3' SAG BEND
734+00.0	COVER 5.3
735+02.5	4' SAG BEND
735+02.5	4' SAG BEND
738+45.0	90° LT. BEND
741+18.1	3' SAG BEND
743+27.3	2' SAG BEND
744+51.0	4' OVER BEND
746+00.0	COVER 4.8
748+00.0	COVER 5.1
750+00.0	COVER 5.4
751+63.8	90° RT. BEND
752+00.0	COVER 5.2
754+00.0	COVER 5.0
755+76.6	5' OVER BEND
756+00.0	COVER 7.6
757+02.6	3' SAG BEND
757+25.7	2' SAG BEND
758+00.0	COVER 4.9
759+09.0	3' OVER BEND
759+29.5	3' OVER BEND
760+00.0	COVER 5.1
760+70.0	3' SAG BEND
762+00.0	COVER 7.6
763+72.1	EDGE OF ROAD
762+84.6	EDGE OF ROAD
763+16.3	5' OVER BEND
764+00.0	COVER 5.9
766+00.0	COVER 5.3
768+00.0	COVER 5.6
768+90.3	38' LT. BEND
769+51.8	EXISTING PIPELINE
769+51.8	EXISTING PIPELINE
770+00.0	COVER 6.2
770+71.8	EXISTING PIPELINE
770+98.5	EXISTING PIPELINE
771+01.2	EXISTING PIPELINE
772+00.0	COVER 6.8
774+00.0	COVER 6.6
775+41.8	PROPERTY LINE
776+00.0	COVER 5.4 & 51' LT. BEND
778+00.0	COVER 5.0
780+00.0	COVER 5.0



**LEGEND**

- CL AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BONE ENTRY/EXIT

**GENERAL INFORMATION**

**ISSUED FOR REVIEW**

M.A.O.P. XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG  
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ORIGINAL DOCUMENT SIZE: 24" X 36"

**REVISION**

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

**SUMMARY OF MATERIALS**

ITEM #	LINEAR FEET	DESCRIPTION
2	4781.3	12" x .250 X60M, 20 MILS FBE
4	418.7	12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

**NORTHSTAR MIDSTREAM**

**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY  
 1400 EVERMAN PARKWAY, SUITE 107-113, NORTH TEXAS 79140 TELEPHONE: (817) 744-7515 FAX: (817) 744-7548

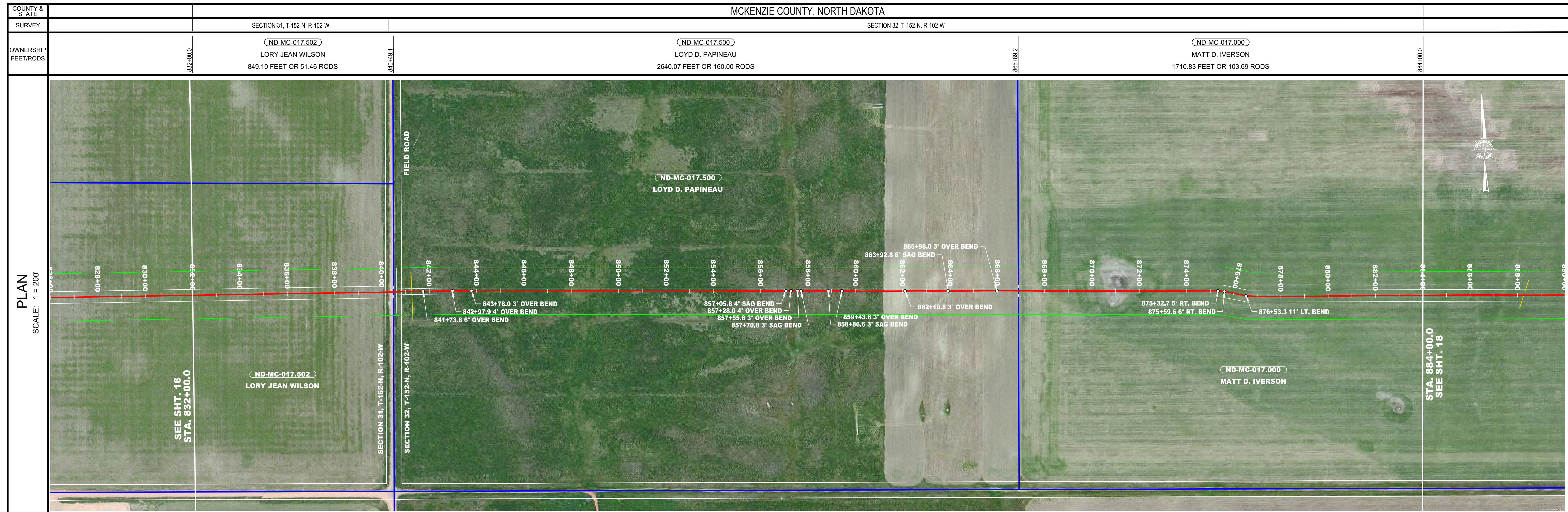
**AS-BUILT CONSTRUCTION ALIGNMENT**

**AS-BUILT NST EXPRESS 12" PIPELINE 728+00.0 TO 780+00.0**

FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C	CHECK: B.R.
SHEET: 15 OF 24	DATE: 10/17/16

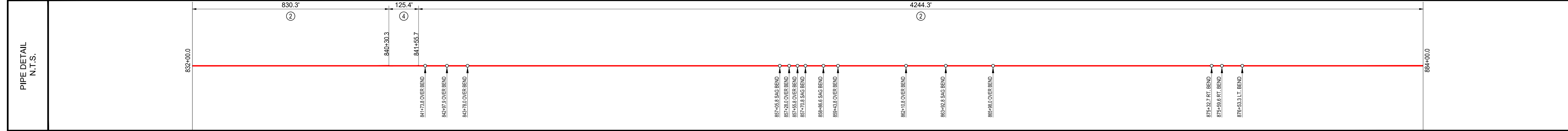
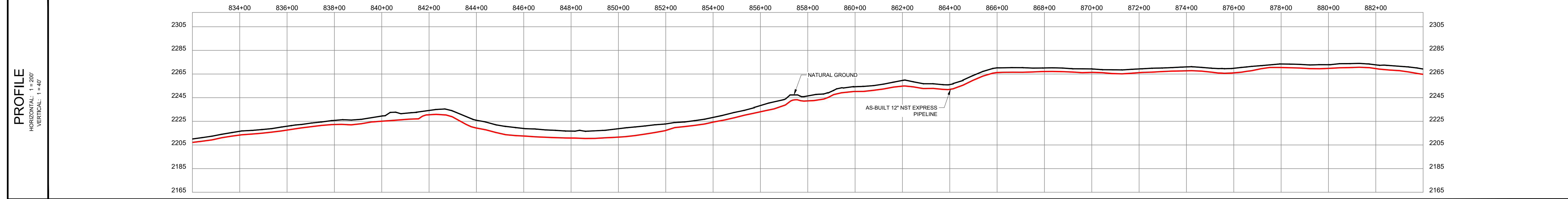
1





**STATIONING**

832+00.0 COVER 5.0	834+00.0 COVER 5.3	836+00.0 COVER 5.3	838+00.0 COVER 5.6	840+00.0 COVER 6.4	840+34.2 EDGE OF ROAD	840+61.8 EDGE OF ROAD	841+25.9 EXISTING PIPELINE	841+73.8 6' OVER BEND	842+00.0 COVER 5.7	842+97.9 4' OVER BEND	843+78.0 3' OVER BEND	844+00.0 COVER 8.6	846+00.0 COVER 8.4	848+00.0 COVER 7.9	850+00.0 COVER 9.2	852+00.0 COVER 7.6	854+00.0 COVER 6.1	856+00.0 COVER 7.3	857+05.8 4' SAG BEND	857+28.0 4' OVER BEND	857+70.8 3' SAG BEND	858+00.0 COVER 6.2	858+86.6 3' SAG BEND	859+43.8 3' OVER BEND	860+00.0 COVER 6.1	862+00.0 COVER 6.9	862+10.3 3' OVER BEND	863+92.8 6' SAG BEND	864+00.0 COVER 6.1	866+00.0 COVER 6.0	866+88.2 PROPERTY LINE	868+00.0 COVER 5.0	870+00.0 COVER 4.9	872+00.0 COVER 5.2	874+00.0 COVER 5.4	875+32.7 5' RT. BEND	875+59.6 6' RT. BEND	876+00.0 COVER 5.9	876+53.3 11' LT. BEND	878+00.0 COVER 5.0	880+00.0 COVER 5.1	882+00.0 COVER 5.2	884+00.0 COVER 6.5
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**LEGEND**

- C/L AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
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- TEMPORARY WORKSPACE
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**GENERAL INFORMATION**

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ORIGINAL DOCUMENT SIZE: 24" X 36"

**REVISION**

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

**SUMMARY OF MATERIALS**

ITEM #	LINEAR FEET	DESCRIPTION
2	5074.5	12" x .250 X60M, 20 MILS FBE
4	125.5	12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

**NORTHSTAR MIDSTREAM**

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, SUITE 107-113, WORTH, TEXAS 76140  
 TELEPHONE: (817) 744-7515 • FAX: (817) 744-7548  
 WWW.TOPOGRAPHIC.COM

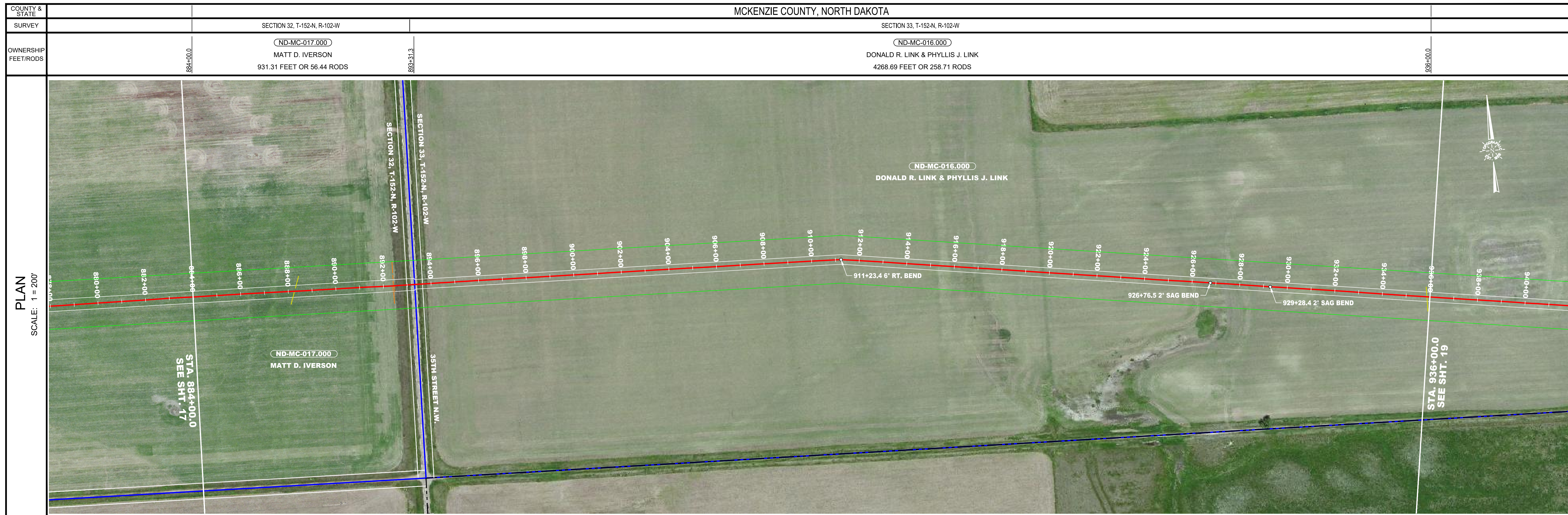
**AS-BUILT CONSTRUCTION ALIGNMENT**

**AS-BUILT NST EXPRESS 12" PIPELINE**  
832+00.0 TO 884+00.0

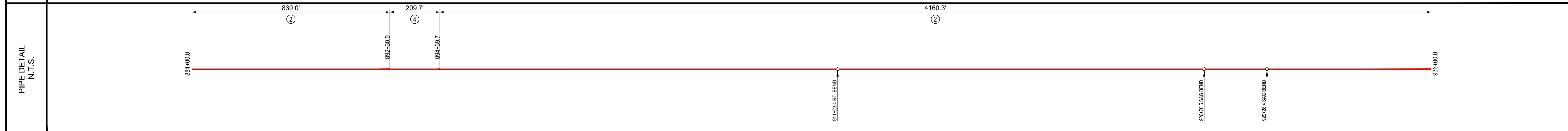
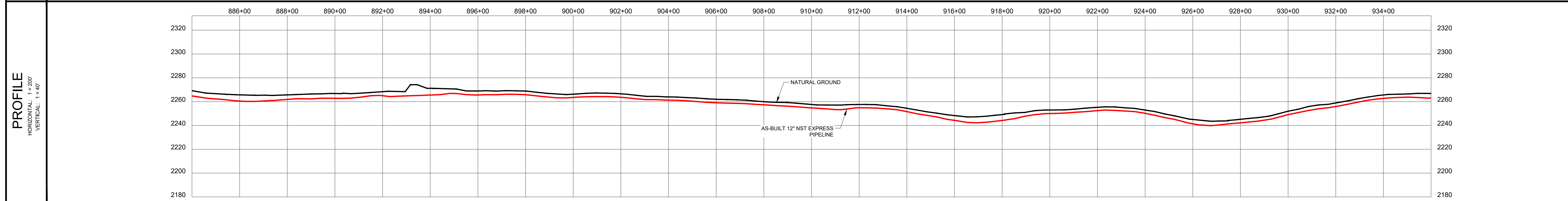
FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C.	CHECK: B.R.
SHEET: 17 OF 24	DATE: 10/17/16

**1**

MCKENZIE COUNTY, NORTH DAKOTA



STATIONING	DESCRIPTION
884+00.0 COVER 6.5	
886+00.0 COVER 7.3	
888+00.0 COVER 5.0	
888+26.5 EXISTING PIPELINE	
890+00.0 COVER 6.1	
892+00.0 COVER 5.5	
892+42.0 EXISTING LG ELECTRIC	
893+31.3 PROPERTY LINE	
894+00.0 COVER 7.7	
896+00.0 COVER 5.4	
898+00.0 COVER 5.1	
900+00.0 COVER 4.8	
902+00.0 COVER 5.0	
904+00.0 COVER 4.8	
906+00.0 COVER 5.0	
908+00.0 COVER 4.7	
910+00.0 COVER 5.0	
911+23.4' RT. BEND	
912+00.0 COVER 4.8	
914+00.0 COVER 4.9	
916+00.0 COVER 6.1	
918+00.0 COVER 7.0	
920+00.0 COVER 5.1	
922+00.0 COVER 4.9	
924+00.0 COVER 4.8	
926+00.0 COVER 5.7	
926+76.5' SAG BEND	
928+00.0 COVER 5.1	
929+28.4' SAG BEND	
930+00.0 COVER 5.0	
932+00.0 COVER 5.1	
934+00.0 COVER 5.0	
936+00.0 EXISTING PIPELINE	
936+00.0 COVER 5.0	



**LEGEND**

- CIL AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BORE ENTRY/EXIT

**GENERAL INFORMATION**

**ISSUED FOR REVIEW**

M.A.O.P. XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXXX PSIG  
 ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID  
 BASED UPON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE  
 OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET

**WARNING**  
 A REASONABLE ATTEMPT HAS BEEN MADE TO LOCATE ALL UNDERGROUND OBSTRUCTIONS BUT UTILITIES SHOWN HEREON ARE APPROXIMATE  
 ONLY AND THERE MAY ALSO BE OTHER UNDERGROUND UTILITIES THAT ARE NOT SHOWN. IT IS STILL THE CONTRACTOR'S RESPONSIBILITY TO  
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 OWNERS OF THE UTILITIES TO VERIFY THEIR LOCATION.

THIS DOCUMENT IS FOR AS-BUILT PURPOSES ONLY AND IS NOT INTENDED TO BE FILED OF RECORD FOR EASEMENT OR ANY OTHER PURPOSE.

ORIGINAL DOCUMENT SIZE: 24" X 36"

REVISION		SUMMARY OF MATERIALS	
NO.	DESCRIPTION	DATE	DESCRIPTION
1	SURVEY CORRIDOR	1/06/17	12" x .250 X60M, 20 MILS FBE
2			12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

**NORTHSTAR  
MIDSTREAM**

**AS-BUILT CONSTRUCTION ALIGNMENT**

**AS-BUILT  
NST EXPRESS  
12" PIPELINE**

884+00.0 TO 936+00.0

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, SUITE 107-F13, WORTH, TEXAS 75140  
 TELEPHONE: (817) 744-7515 FAX: (817) 744-7548  
 WWW.TOPOGRAPHIC.COM

FILE: AB\_NST\_EXPRESS\_REV1

DRAFT: J.M.C. CHECK: B.R.

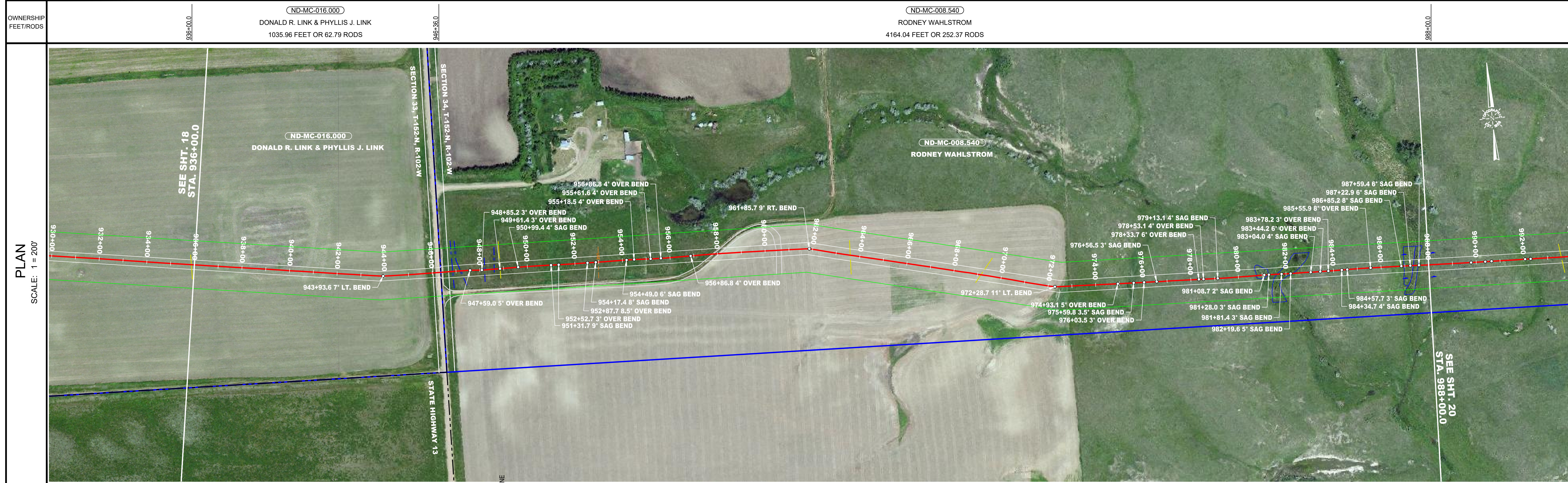
SHEET: 18 OF 24 DATE: 10/17/16

REVISION:

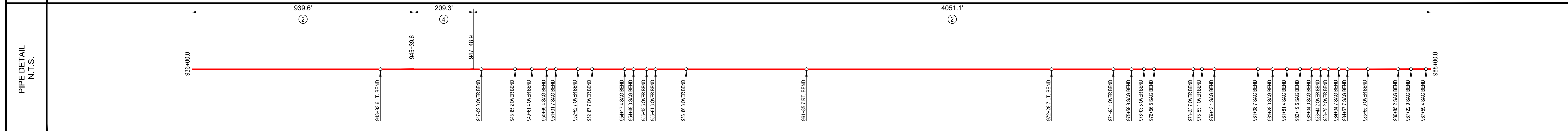
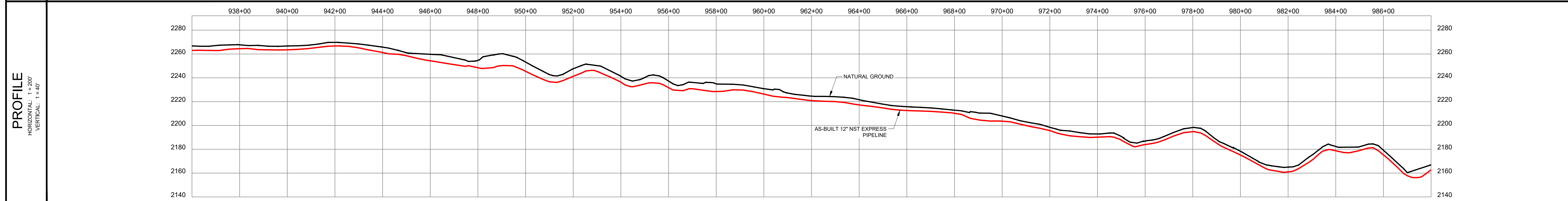
1

MCKENZIE COUNTY, NORTH DAKOTA

COUNTY & STATE	SECTION 33, T-152-N, R-102-W		SECTION 34, T-152-N, R-102-W	
SURVEY	ND-MC-016.000		ND-MC-008.540	
OWNERSHIP	DONALD R. LINK & PHYLLIS J. LINK		RODNEY WAHLSTROM	
FEET/RODS	1035.96 FEET OR 62.79 RODS		4164.04 FEET OR 252.37 RODS	



STATIONING	DESCRIPTION
938+00.0 COVER 5.9	
938+00.0 COVER 5.3	
940+00.0 COVER 5.3	
942+00.0 COVER 5.1	
943+93.6 7' LT. BEND	
944+00.0 COVER 6.6	
946+00.0 COVER 7.5	
946+15.7 EDGE OF ROAD	
946+38.0 PROPERTY LINE	
946+61.4 EDGE OF ROAD	
946+84.8 WATER LINE	
947+19.4 WATER LINE	
947+58.0 5' OVER BEND	
948+08.7 5' OVER BEND	
948+20.5 WATER LINE	
948+60.5 WATER LINE	
948+81.2 3' OVER BEND	
949+61.2 3' OVER BEND	
950+00.0 COVER 9.8	
950+68.4 5' SAG BEND	
951+31.7 8' SAG BEND	
952+00.0 COVER 8.4	
952+52.7 3' OVER BEND	
952+87.7 8.5' OVER BEND	
952+88.6 EXISTING US ELECTRIC	
954+00.0 COVER 7.0	
954+17.4 8' SAG BEND	
954+48.0 6' SAG BEND	
955+18.5 4' OVER BEND	
955+61.6 4' OVER BEND	
956+00.0 COVER 7.6	
956+88.8 4' OVER BEND	
957+61.5 EDGE OF ROAD	
958+00.0 COVER 8.5	
958+88.2 EDGE OF ROAD	
960+00.0 COVER 6.6	
960+47.2 EDGE OF ROAD	
960+88.4 EDGE OF ROAD	
961+85.7 9' RT. BEND	
962+00.0 COVER 5.8	
963+58.6 EXISTING PIPELINE	
964+00.0 COVER 6.4	
966+00.0 COVER 5.3	
968+00.0 COVER 4.7	
969+14.1 EXISTING PIPELINE	
970+00.0 COVER 6.4	
972+00.0 COVER 4.8	
972+28.7 11' LT. BEND	
974+00.0 COVER 4.8	
974+93.1 5' OVER BEND	
975+58.8 3.5' SAG BEND	
976+00.0 COVER 5.0	
976+55.3 3' SAG BEND	
976+68.8 3' SAG BEND	
978+00.0 COVER 5.5	
978+33.7 5' OVER BEND	
979+53.1 4' OVER BEND	
979+13.1 4' SAG BEND	
980+00.0 COVER 5.2	
980+71.3 SWAC	
980+74.8 SWAC	
981+22.7 SWAC	
981+28.0 5' SAG BEND	
981+48.1 5' SAG BEND	
982+00.0 COVER 6.1	
982+18.6 5' SAG BEND	
982+44.2 5' SAG BEND	
983+00.0 COVER 6.0	
983+44.2 5' OVER BEND	
983+78.2 5' OVER BEND	
984+34.7 3' SAG BEND	
984+57.7 3' SAG BEND	
985+55.9 8' OVER BEND	
986+00.0 COVER 6.0	
986+85.2 5' SAG BEND	
987+22.9 8' SAG BEND	
987+35.4 SWAC	
987+55.3 SWAC	
988+00.0 COVER 6.2	



**LEGEND**

- CL AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BONE ENTRY/EXIT

**GENERAL INFORMATION**

**ISSUED FOR REVIEW**

M.A.O.P., XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET

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ORIGINAL DOCUMENT SIZE: 24" X 36"

**REVISION**

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

**SUMMARY OF MATERIALS**

ITEM #	LINEAR FEET	DESCRIPTION
2	4990.7	12" x .250 X60M, 20 MILS FBE
4	209.3	12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

**NORTHSTAR MIDSTREAM**

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

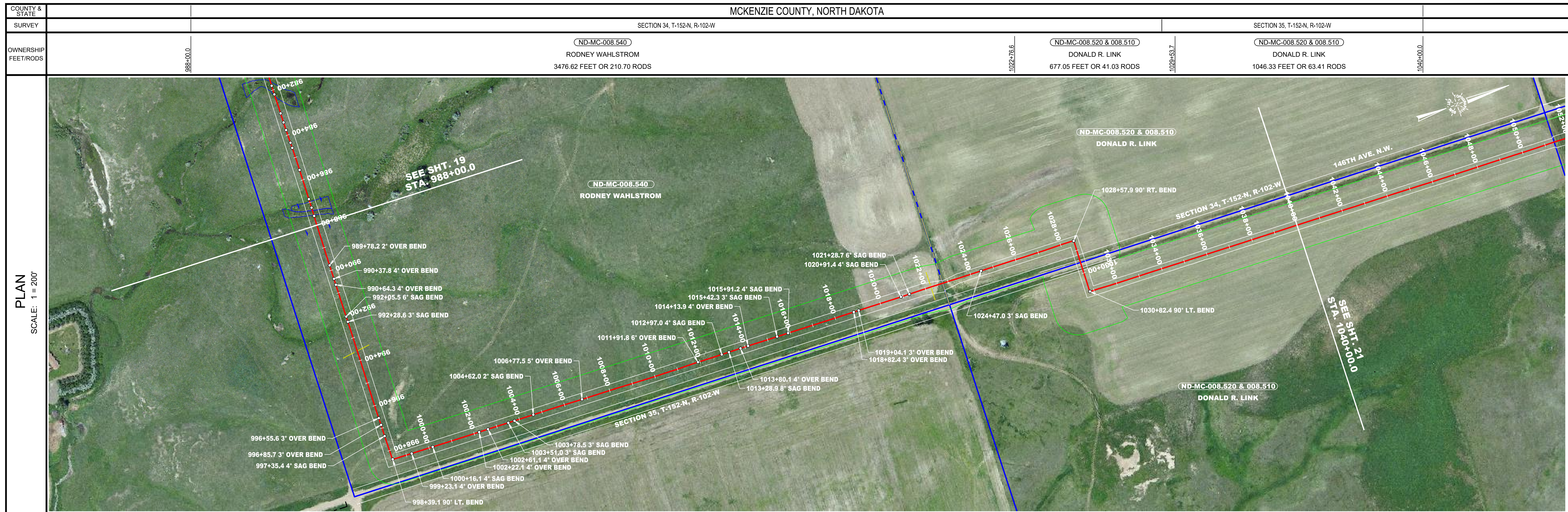
1400 EVERMAN PARKWAY, SUITE 107-113, NORTH TEXAS 79140 TELEPHONE: (817) 744-7515 FAX: (817) 744-7548

**AS-BUILT CONSTRUCTION ALIGNMENT**

AS-BUILT NST EXPRESS 12" PIPELINE 936+00.0 TO 988+00.0

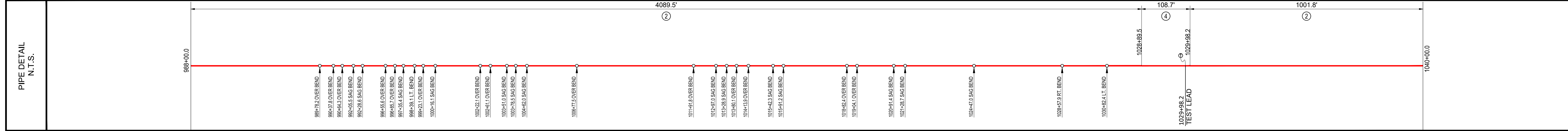
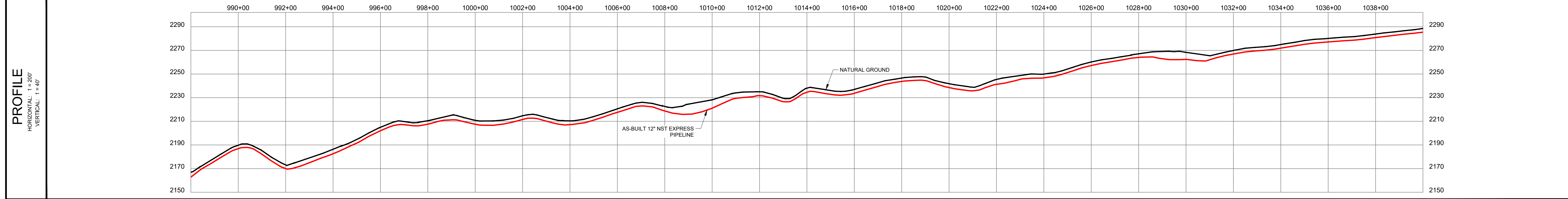
FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C.	CHECK: B.R.
SHEET: 19 OF 24	DATE: 10/17/16

**1**



STATIONING

988+00.0 COVER 6.2	990+00.0 COVER 5.0	992+00.0 COVER 5.0	994+00.0 COVER 5.0	996+00.0 COVER 5.0	998+00.0 COVER 5.0	1000+00.0 COVER 5.2	1002+00.0 COVER 5.2	1004+00.0 COVER 5.3	1006+00.0 COVER 5.0	1008+00.0 COVER 5.0	1010+00.0 COVER 5.4	1012+00.0 COVER 5.4	1014+00.0 COVER 5.4	1016+00.0 COVER 4.9	1018+00.0 COVER 5.4	1020+00.0 COVER 5.2	1022+00.0 COVER 5.3	1024+00.0 COVER 5.0	1026+00.0 COVER 5.1	1028+00.0 COVER 5.1	1030+00.0 COVER 5.1	1032+00.0 COVER 5.1	1034+00.0 COVER 5.2
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LEGEND

	C/L AS-BUILT PIPELINE
	FENCE LINE
	SURVEY/SECTION LINE
	TRACT BORDER
	COUNTY LINE
	EXISTING PIPELINE
	SURVEY CORRIDOR
	ROAD WAY
	PERMANENT EASEMENT
	TEMPORARY WORKSPACE
	ADDITIONAL TEMPORARY WORKSPACE
	POINT OF INTERSECTION
	TEST LEAD
	BLOCK VALVE
	BONE ENTRY/EXIT

GENERAL INFORMATION

**ISSUED FOR REVIEW**

M.A.O.P., XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXXX PSIG

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ORIGINAL DOCUMENT SIZE: 24" X 36"

REVISION

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

SUMMARY OF MATERIALS

ITEM #	LINEAR FEET	DESCRIPTION
2	5091.3	12" x .250 X60M, 20 MILS FBE
4	108.7	12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

**NORTHSTAR MIDSTREAM**

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

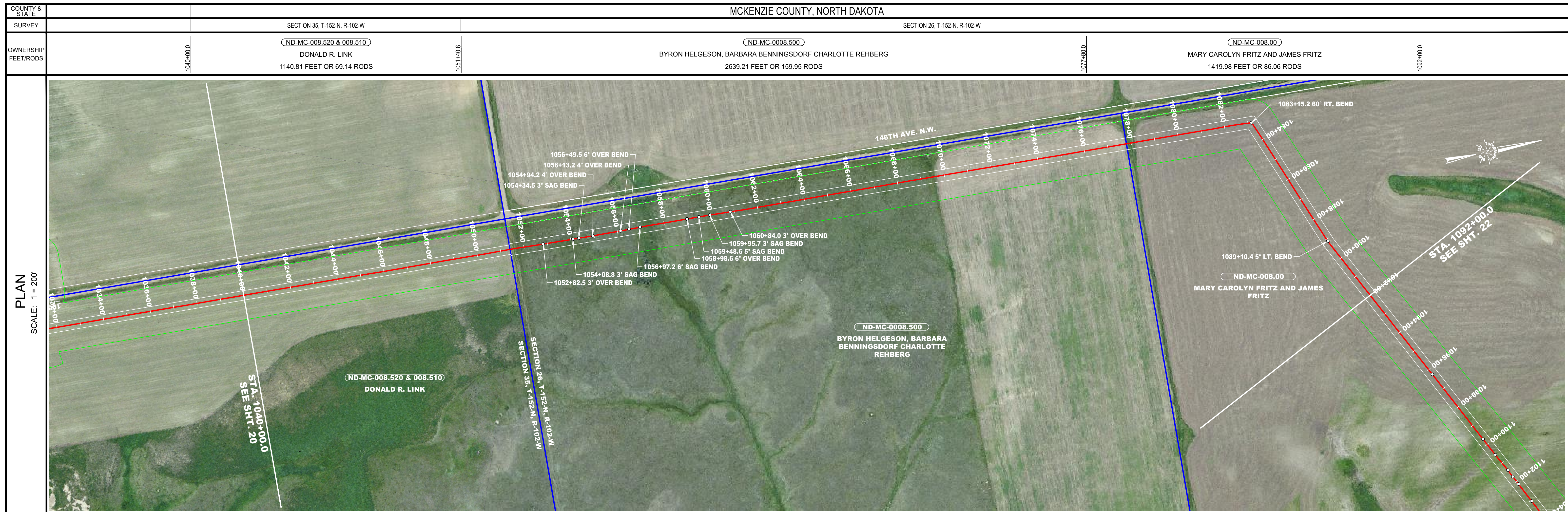
1400 EVERMAN PARKWAY, SUITE 107-113, NORTH TEXAS, TEXAS 75040  
(817) 744-7515 • FAX (817) 744-7548  
WWW.TOPOGRAPHIC.COM

AS-BUILT CONSTRUCTION ALIGNMENT

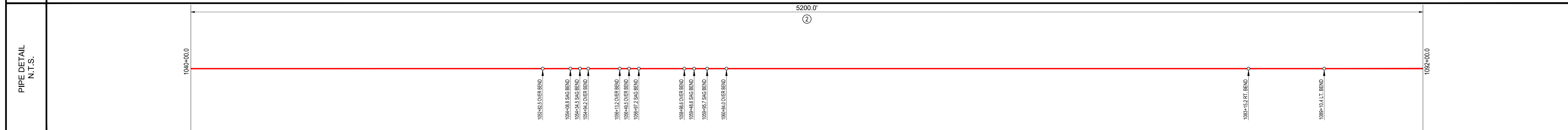
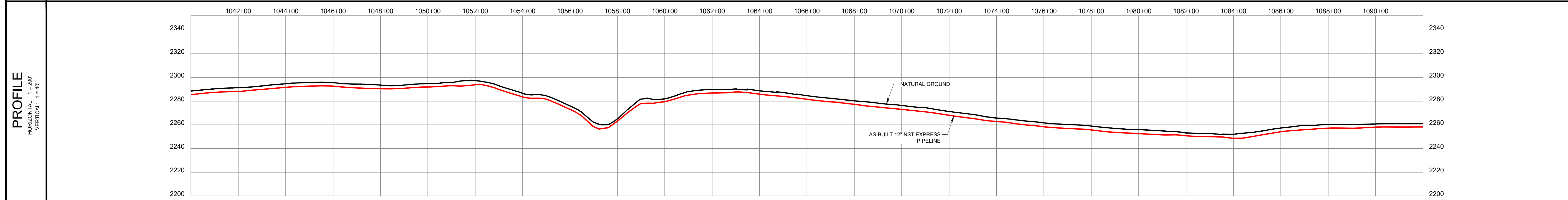
**AS-BUILT NST EXPRESS 12" PIPELINE**  
988+00.0 TO 1040+00.0

FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C.	CHECK: B.R.
SHEET: 20 OF 24	DATE: 10/17/16

**1**



STATIONING
1040+00.0 COVER 5.2
1042+00.0 COVER 5.2
1044+00.0 COVER 5.1
1046+00.0 COVER 5.1
1048+00.0 COVER 5.1
1050+00.0 COVER 5.1
1052+00.0 COVER 4.9
1051+40.8 PROPERTY LINE
1052+00.0 COVER 5.6
1052+82.5 3' OVER BEND
1054+00.0 COVER 5.1
1054+08.8 3' SAG BEND
1054+13.2 4' SAG BEND
1054+34.5 3' SAG BEND
1054+49.5 6' OVER BEND
1056+00.0 COVER 5.0
1056+13.2 4' OVER BEND
1056+49.5 6' OVER BEND
1056+97.2 6' SAG BEND
1058+00.0 COVER 4.0
1058+88.6 6' OVER BEND
1058+98.6 5' SAG BEND
1059+48.6 5' SAG BEND
1059+95.7 3' SAG BEND
1059+98.6 6' OVER BEND
1060+00.0 COVER 4.4
1060+84.0 3' OVER BEND
1062+00.0 COVER 5.0
1064+00.0 COVER 4.8
1066+00.0 COVER 5.1
1068+00.0 COVER 5.0
1070+00.0 COVER 5.4
1072+00.0 COVER 5.3
1074+00.0 COVER 5.0
1076+00.0 COVER 5.4
1077+80.0 PROPERTY LINE
1078+00.0 COVER 5.3
1080+00.0 COVER 5.4
1082+00.0 COVER 4.5
1083+15.2 60' RT. BEND
1084+00.0 COVER 5.5
1086+00.0 COVER 5.2
1088+00.0 COVER 5.2
1089+10.4 5' LT. BEND
1089+00.0 COVER 4.8
1092+00.0 COVER 5.1



**LEGEND**

- C/L AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BORE ENTRY/EXIT

**GENERAL INFORMATION**

**ISSUED FOR REVIEW**

M.A.O.P. XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG  
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**ORIGINAL DOCUMENT SIZE: 24" X 36"**

**REVISION**

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

**SUMMARY OF MATERIALS**

ITEM #	LINEAR FEET	DESCRIPTION
2	5200.0	12" x .250 X60M, 20 MILS FBE

**NORTHSTAR MIDSTREAM**

**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, SUITE 107-111, NORTH TEXAS 79140 TELEPHONE: (817) 744-7515 FAX: (817) 744-7548

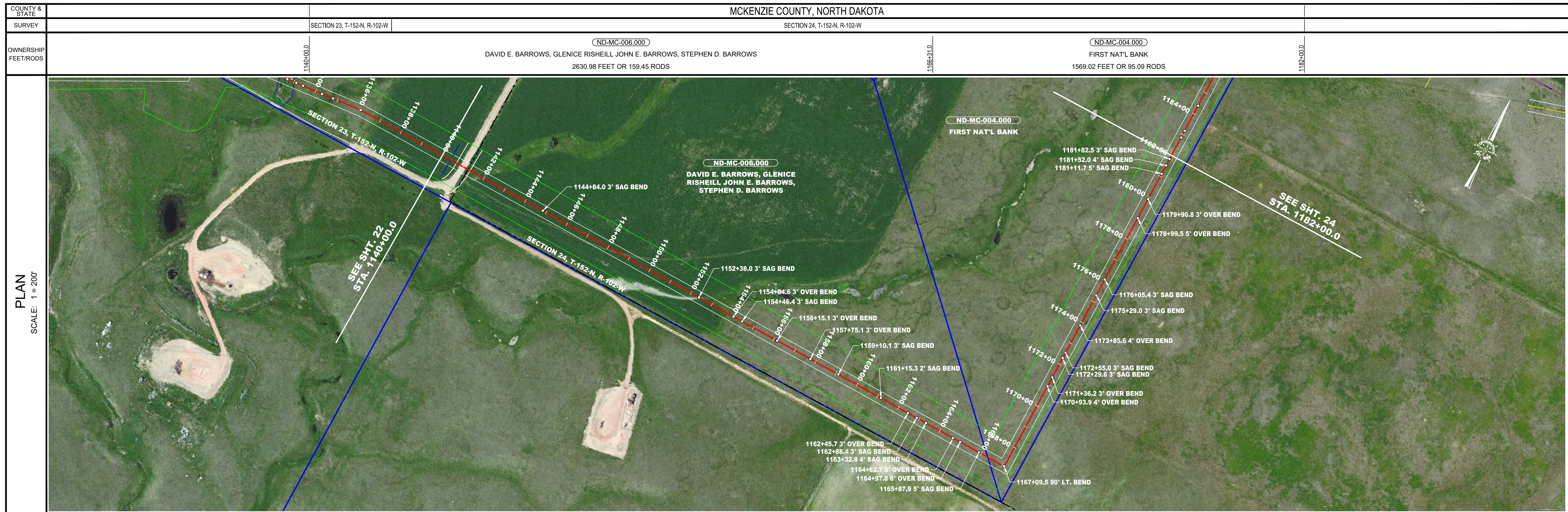
**AS-BUILT CONSTRUCTION ALIGNMENT**

**AS-BUILT NST EXPRESS 12" PIPELINE**  
1040+00.0 TO 1092+00.0

FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C.	CHECK: B.R.
SHEET: 21 OF 24	DATE: 10/17/16

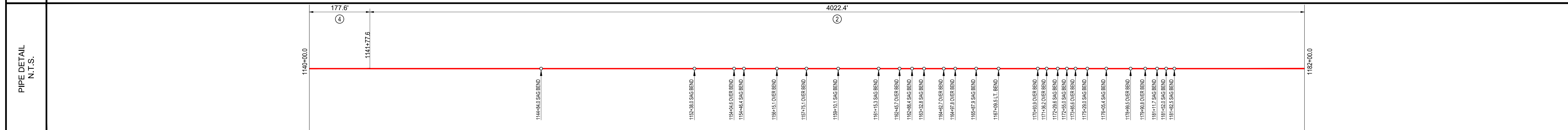
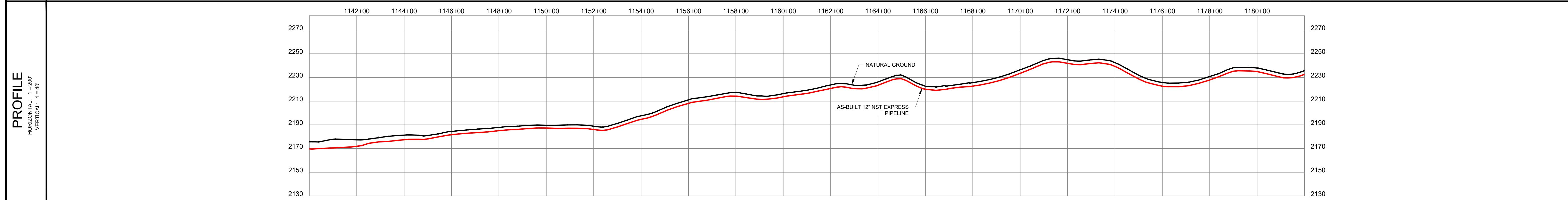
**1**





**STATIONING**

1140+00.0 COVER 7.3	1140+91.9 EDGE OF ROAD	1141+08.7 EDGE OF ROAD	1142+00.0 COVER 7.5	1144+00.0 COVER 6.0	1144+84.0 3' SAG BEND	1146+00.0 COVER 4.9	1148+00.0 COVER 4.8	1150+00.0 COVER 4.4	1152+00.0 COVER 4.9	1152+38.0 3' SAG BEND	1154+00.0 COVER 5.1	1154+04.6 3' OVER BEND	1154+46.4 3' SAG BEND	1156+00.0 COVER 5.1	1156+15.1 3' OVER BEND	1157+75.1 3' OVER BEND	1159+10.1 3' SAG BEND	1161+15.3 2' SAG BEND	1162+45.7 3' OVER BEND	1162+80.4 3' SAG BEND	1163+32.8 4' SAG BEND	1164+62.7 3' OVER BEND	1164+97.8 6' OVER BEND	1166+00.0 COVER 4.9	1166+28.4 3' SAG BEND	1168+00.0 COVER 4.6	1168+31.0 PROPERTY LINE	1168+95.9 90' LT. BEND	1169+00.0 COVER 5.0	1170+00.0 COVER 5.1	1170+83.4 4' OVER BEND	1171+00.0 COVER 5.1	1171+00.0 COVER 5.1	1172+28.6 3' SAG BEND	1172+50.3 3' SAG BEND	1174+00.0 COVER 5.2	1175+28.0 3' SAG BEND	1176+00.0 COVER 5.2	1176+05.4 3' SAG BEND	1178+00.0 COVER 5.0	1178+95.5 5' OVER BEND	1179+90.8 3' OVER BEND	1180+00.0 COVER 5.1	1181+17.5 5' SAG BEND	1181+52.0 4' SAG BEND	1181+82.5 3' SAG BEND	1181+11.7 5' SAG BEND	1179+90.8 3' OVER BEND	1178+99.5 5' OVER BEND	1177+00.0 COVER 5.1	1176+05.4 3' SAG BEND	1175+29.0 3' SAG BEND	1173+85.6 4' OVER BEND	1172+55.0 3' SAG BEND	1172+29.6 3' SAG BEND	1171+36.2 3' OVER BEND	1170+93.9 4' OVER BEND	1167+09.5 90' LT. BEND
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**LEGEND**

- CL AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
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**ISSUED FOR REVIEW**

M.A.O.P. XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG  
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REVISION		SUMMARY OF MATERIALS			
NO.	DESCRIPTION	DATE	ITEM #	LINEAR FEET	DESCRIPTION
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			4	177.6	12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

**NORTHSTAR MIDSTREAM**

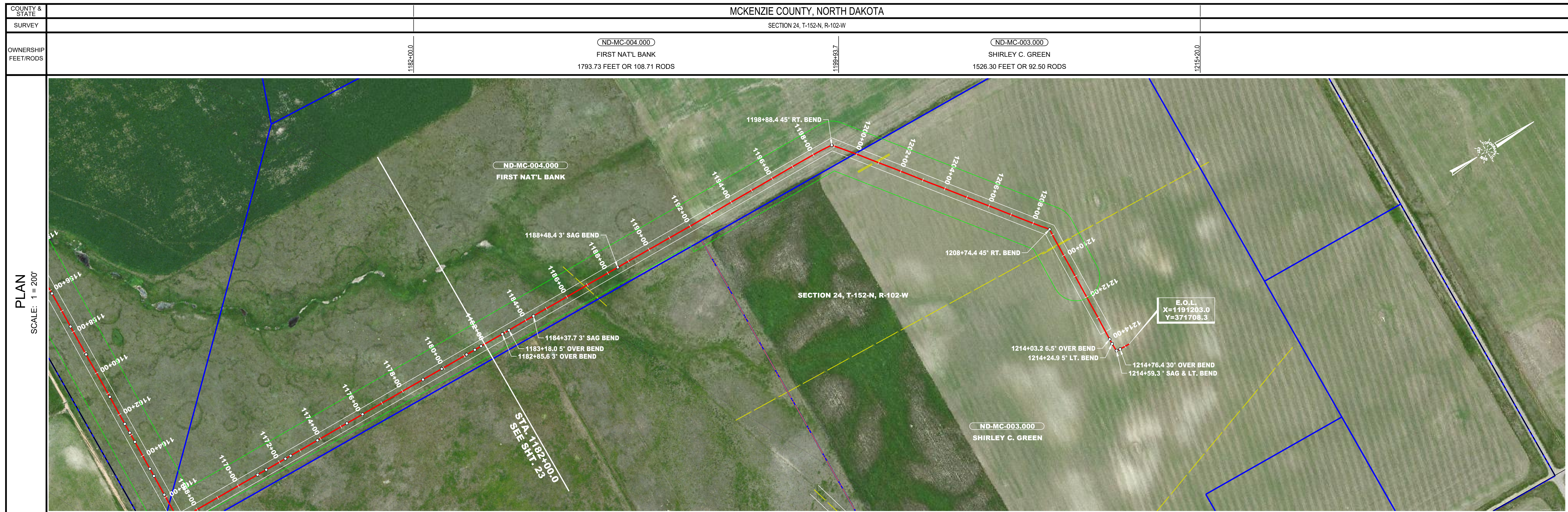
**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, SUITE 107-113, WORTH, TEXAS 76140  
(817) 744-7515 • FAX (817) 744-7548

**AS-BUILT CONSTRUCTION ALIGNMENT**

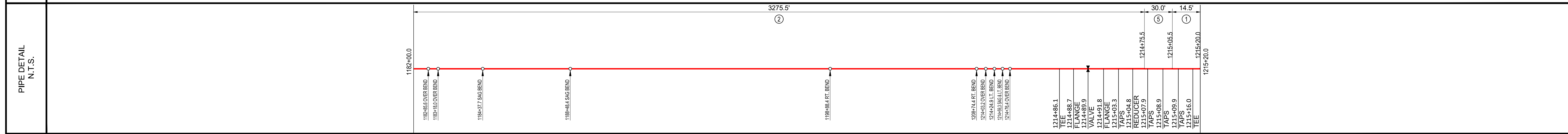
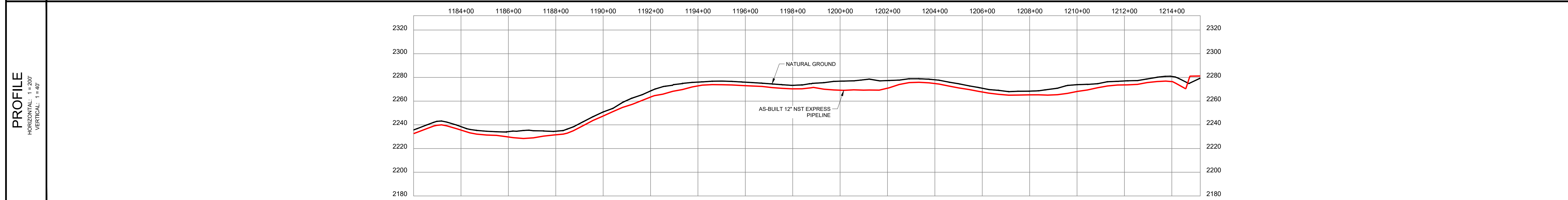
**AS-BUILT NST EXPRESS 12" PIPELINE**  
1140+00.0 TO 1182+00.0

FILE: AB_NST_EXPRESS_REV1	REVISION:
DRAFT: J.M.C	CHECK: B.R.
SHEET: 23 OF 24	DATE: 10/17/16
	<b>1</b>



STATIONING

1182+00.0	COVER 5.2
1182+56.3'	OVER BEND
1183+18.0'	OVER BEND
1184+00.0	COVER 5.0
1184+37.7'	SAG BEND
1186+00.0	COVER 6.6
1186+67.9'	EXISTING PIPELINE
1188+00.0	COVER 5.1
1188+48.4'	SAG BEND
1190+00.0	COVER 5.5
1192+00.0	COVER 7.2
1194+00.0	COVER 5.3
1196+00.0	COVER 5.0
1198+00.0	COVER 5.1
1198+88.4'	RT. BEND
1200+00.0	COVER 9.7
1200+86.1'	EXISTING PIPELINE
1202+00.0	COVER 8.5
1204+00.0	COVER 5.2
1206+00.0	COVER 5.3
1208+00.0	COVER 5.2
1208+74.4'	RT. BEND
1209+51.5'	EXISTING PIPELINE
1210+00.0	COVER 7.8
1212+00.0	COVER 5.4
1214+00.0	COVER 6.5
1214+03.2'	OVER BEND
1214+58.3'	SAG BEND
1214+76.4'	30' OVER BEND
1214+76.4'	30' SAG & LT. BEND



LEGEND

- CL AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
- ROAD WAY
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- POINT OF INTERSECTION
- TEST LEAD
- BLOCK VALVE
- BONE ENTRY/EXIT

GENERAL INFORMATION

**ISSUED FOR REVIEW**

M.A.O.P., XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXX PSIG

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET

WARNING

A REASONABLE ATTEMPT HAS BEEN MADE TO LOCATE ALL UNDERGROUND OBSTRUCTIONS BUT UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY AND THERE MAY ALSO BE OTHER UNDERGROUND UTILITIES THAT ARE NOT SHOWN. IT IS STILL THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND FACILITIES WITHIN WORKING AREA. CONTRACTOR MUST CONTACT ONE CALL UTILITY LOCATION SERVICES AND THE OWNERS OF THE UTILITIES TO VERIFY THEIR LOCATION.

THIS DOCUMENT IS FOR AS-BUILT PURPOSES ONLY AND IS NOT INTENDED TO BE FILED OF RECORD FOR EASEMENT OR ANY OTHER PURPOSE.

ORIGINAL DOCUMENT SIZE: 24" X 36"

REVISION

NO.	DESCRIPTION	DATE
1	SURVEY CORRIDOR	1/06/17

SUMMARY OF MATERIALS

ITEM #	LINEAR FEET	DESCRIPTION
1	14.5	16" x .375 X52, PAINTED
2	3275.5	12" x .250 X60M, 20 MILS FB
5	30.0	12" x .375 X52, PAINTED

**NORTHSTAR MIDSTREAM**

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, SUITE 107-113, WORTH, TEXAS 76140 TELEPHONE: (817) 744-7515 FAX: (817) 744-7548

AS-BUILT CONSTRUCTION ALIGNMENT

AS-BUILT NST EXPRESS 12" PIPELINE 1182+00.0 TO 1215+20.0

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1