

COUNTY & STATE: MCKENZIE COUNTY, NORTH DAKOTA

SURVEY: SECTION 30, T-151-N, R-104-W

OWNERSHIP: NST TRANSLOAD OPERATING COMPANY, LLC; BURLINGTON NORTHERN SANTA FE (BNSF) RAILWAY; NST TRANSLOAD OPERATING COMPANY, LLC; JOHN HUTTER, SR.

PLAN SCALE: 1" = 200'

STATIONING: 0+00.0 to 52+00.0

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

PIPE DETAIL N.T.S.

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.

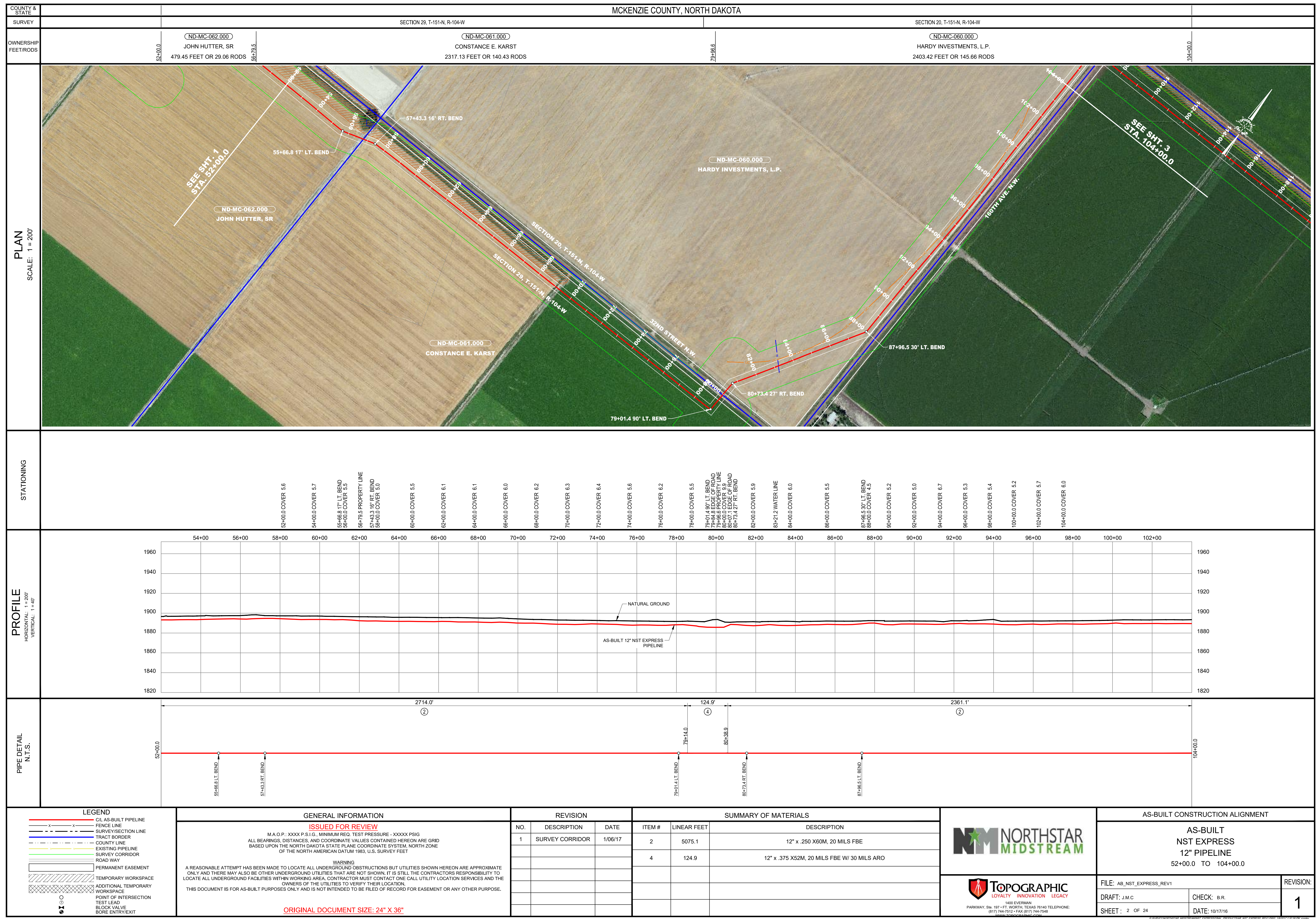
GENERAL INFORMATION: ISSUED FOR REVIEW, M.A.O.P.: XXXX P.S.I.G., MINIMUM REQ. TEST PRESSURE - XXXXX PSIG, ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET.

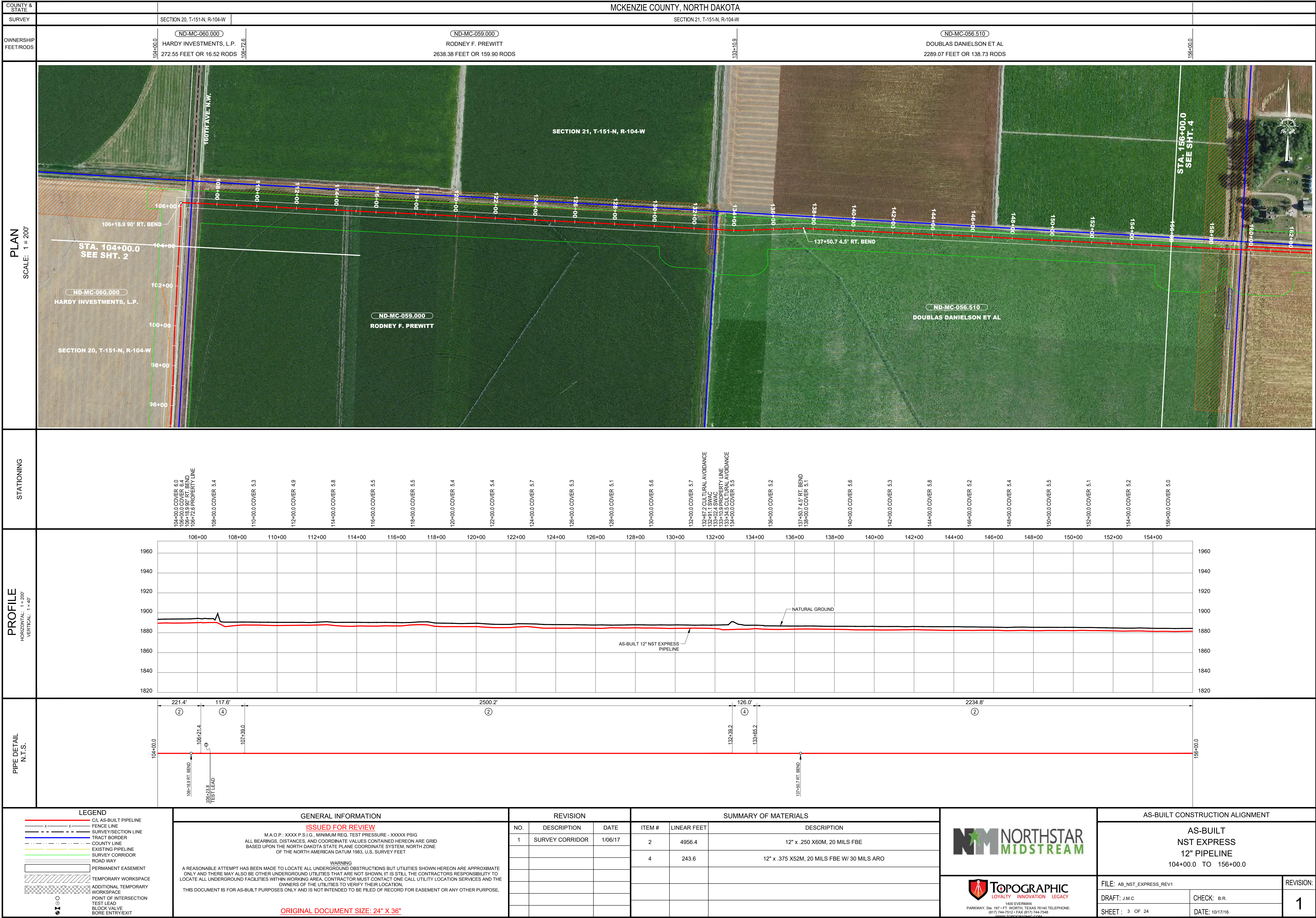
REVISION: 1. SURVEY CORRIDOR, 1/06/17.

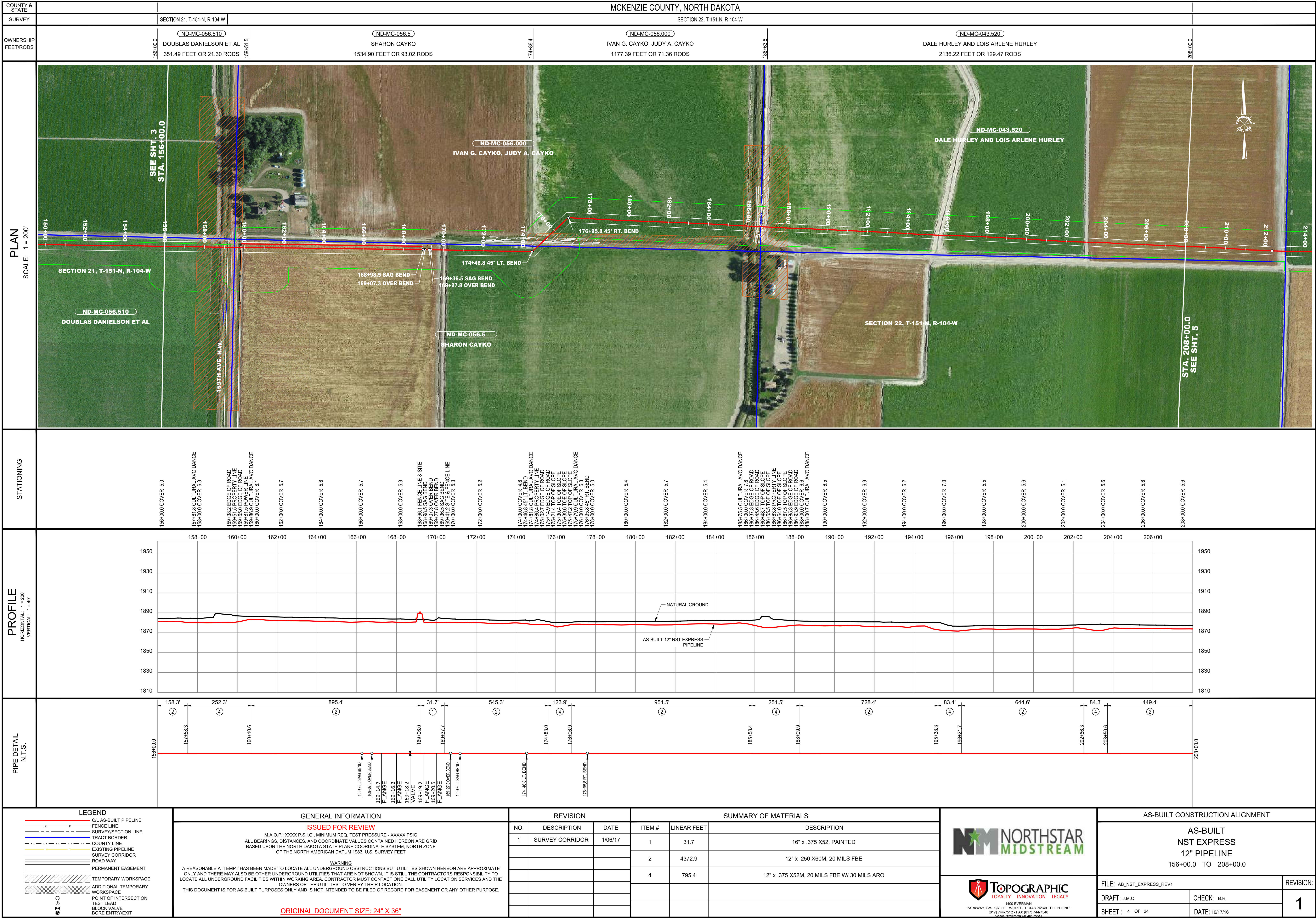
SUMMARY OF MATERIALS: 1. 58.9' 16" x .375 X52, PAINTED; 2. 3604.6' 12" x .250 X60M, 20 MILS FBE; 4. 1536.5' 12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO; 5. 14.7' 12" x .375 X52, PAINTED.

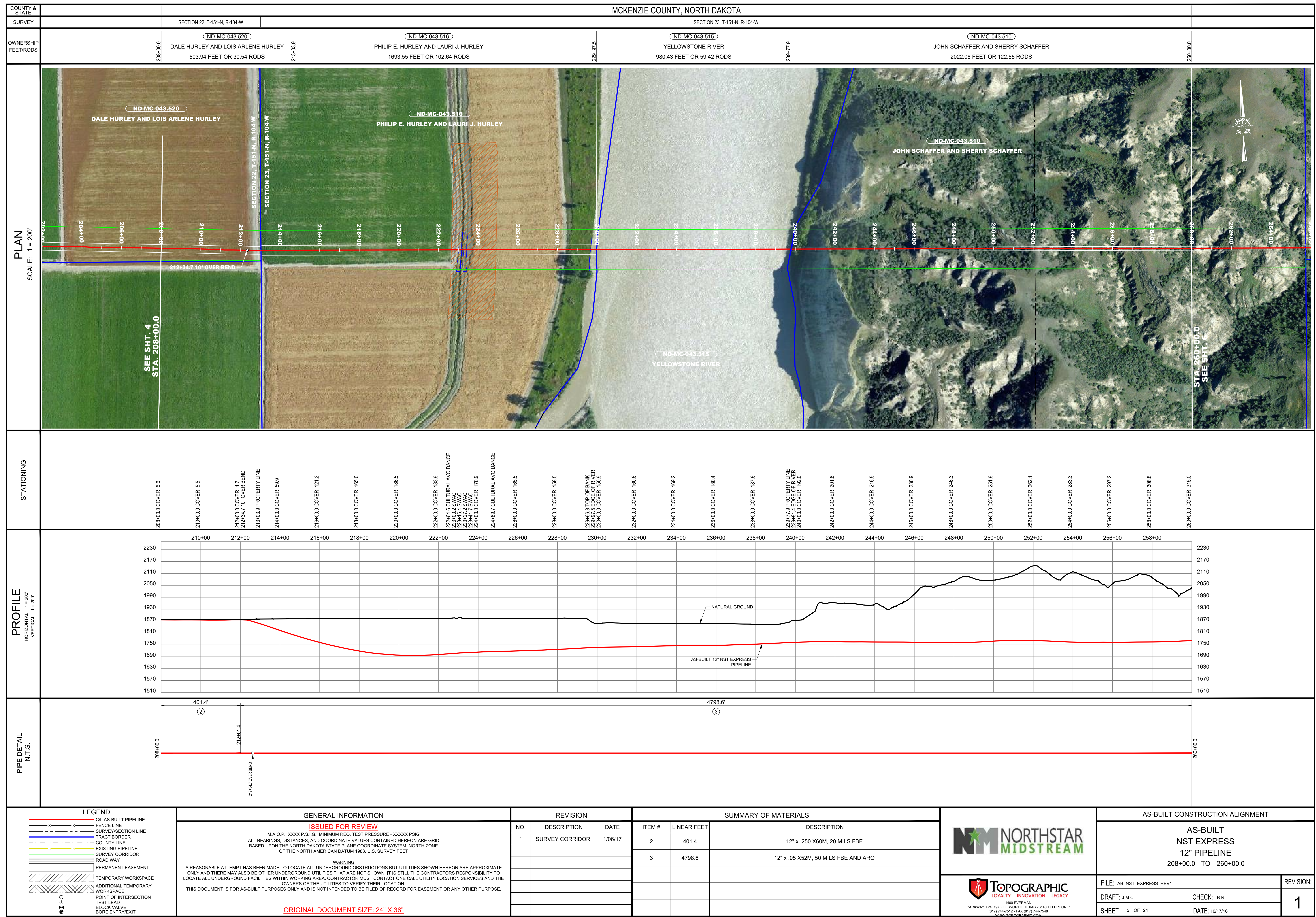
AS-BUILT CONSTRUCTION ALIGNMENT: AS-BUILT NST EXPRESS 12" PIPELINE, 0+00.0 TO 52+00.0.

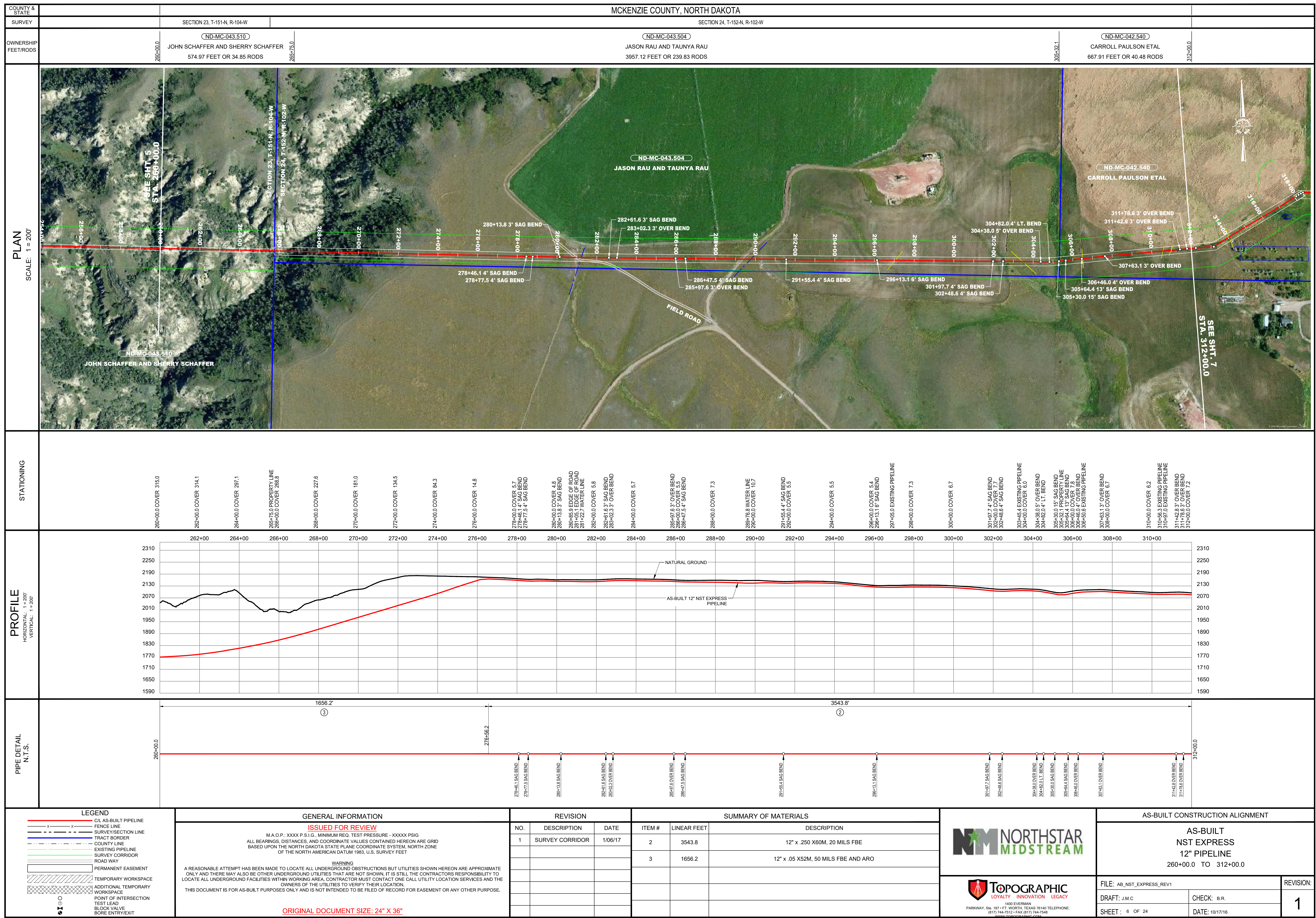
FILE: AB_NST_EXPRESS_REV1, DRAFT: J.M.C, CHECK: B.R, SHEET: 1 OF 24, DATE: 10/17/16, REVISION: 1.

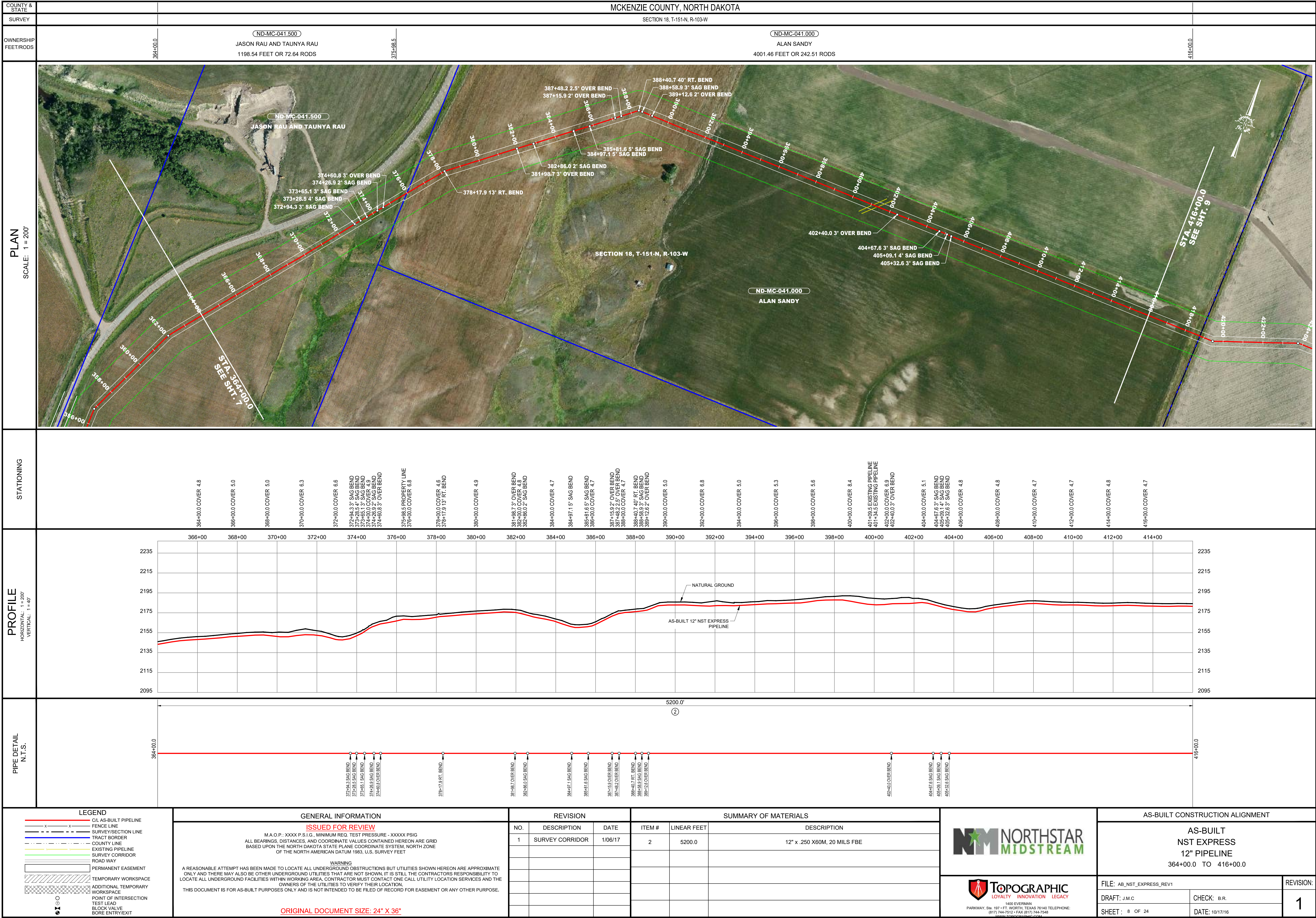












COUNTY & STATE		MCKENZIE COUNTY, NORTH DAKOTA																																																																								
SURVEY	SECTION 18, T-151-N, R-103-W	SECTION 17, T-151-N, R-103-W																																																																								
OWNERSHIP	ND-MC-041.000 ALAN SANDY	ND-MC-040.000 JANET K. ANDERSON	ND-MC-038.000 DALE TJELDE AND ELAINE TJELDE																																																																							
FEET/RODS	278.57 FEET OR 16.88 RODS	1348.39 FEET OR 81.72 RODS	1320.30 FEET OR 80.02 RODS																																																																							
		ND-MC-037.000 MARVIN C. SKOGEN, RAYMON J. SKOGEN AND RUSSELL G. SKOGEN	2252.74 FEET OR 136.53 RODS																																																																							
PLAN SCALE: 1" = 200'																																																																										
STATIONING <table><tr><td>416+00.0 COVER 4.7</td><td>418+00.0 COVER 6.2</td><td>418+78.6 PROPERTY LINE</td><td>419+47.4 23' LT. BEND</td><td>420+00.0 COVER 5.0</td><td>422+00.0 COVER 4.8</td><td>423+76.8 19' RT. BEND</td><td>424+00.0 COVER 5.7</td><td>425+11.9 2' SAG BEND</td><td>425+45.9 3' OVER BEND</td><td>426+00.0 COVER 6.3</td><td>427+08.6 EXISTING PIPELINE</td><td>428+00.0 COVER 8.2</td><td>428+24.1 EXISTING PIPELINE</td><td>429+07.9 EXISTING PIPELINE</td><td>430+00.0 COVER 5.8</td><td>432+00.0 COVER 4.6</td><td>432+27.0 PROPERTY LINE</td><td>432+41.0 3' OVER BEND</td><td>433+75.9 2' OVER BEND</td><td>433+81.1 2.5' SAG BEND</td><td>434+17.8 4' SAG BEND</td><td>434+51.2 2.5' SAG BEND</td><td>435+01.5 4' OVER BEND</td><td>435+43.8 4' OVER BEND</td><td>435+85.8 3.5' SAG BEND</td><td>436+27.5 3' SAG BEND</td><td>436+69.4 3' OVER BEND</td><td>437+10.3 4' OVER BEND</td><td>437+53.7 2' SAG BEND</td><td>437+96.7 3' SAG BEND</td><td>438+00.0 COVER 5.1</td><td>439+18.8 5' OVER BEND</td><td>440+00.0 COVER 5.1</td><td>442+00.0 COVER 5.8</td><td>442+25.8 5' SAG BEND</td><td>443+81.1 2.5' SAG BEND</td><td>444+23.2 6' SAG BEND</td><td>444+67.8 4' OVER BEND</td><td>445+14.0 5' OVER BEND</td><td>445+47.3 PROPERTY LINE</td><td>445+89.0 EXISTING PIPELINE</td><td>446+05.0 52' LT. BEND</td><td>447+83.6 2.5' SAG BEND</td><td>448+00.0 COVER 5.9</td><td>448+80.0 5' SAG BEND</td><td>450+00.0 COVER 5.5</td><td>450+08.6 3' SAG BEND</td><td>451+46.1 51' RT. BEND</td><td>451+82.5 EXISTING PIPELINE</td><td>452+43.7 EXISTING PIPELINE</td><td>452+78.9 EXISTING PIPELINE</td><td>453+56.9 8' OVER BEND</td><td>453+88.6 4' OVER BEND</td><td>454+00.0 COVER 6.0</td><td>455+12.8 2' SAG BEND</td><td>455+55.0 2' SAG BEND</td><td>456+00.0 COVER 4.8</td><td>457+64.9 4' OVER BEND</td><td>458+00.0 COVER 5.2</td><td>458+48.0 3.5' SAG BEND</td><td>459+75.3 2' SAG BEND</td><td>460+00.0 COVER 4.8</td><td>460+17.3 4' SAG BEND</td><td>461+17.3 4' SAG BEND</td><td>462+00.0 COVER 5.1</td><td>463+87.6 2' SAG BEND</td><td>464+00.0 COVER 5.1</td><td>466+00.0 COVER 5.1</td><td>467+82.0 2' SAG BEND</td><td>468+00.0 COVER 5.3</td></tr></table>				416+00.0 COVER 4.7	418+00.0 COVER 6.2	418+78.6 PROPERTY LINE	419+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	433+81.1 2.5' SAG BEND	434+17.8 4' SAG BEND	434+51.2 2.5' SAG BEND	435+01.5 4' OVER BEND	435+43.8 4' OVER BEND	435+85.8 3.5' SAG BEND	436+27.5 3' SAG BEND	436+69.4 3' OVER BEND	437+10.3 4' OVER BEND	437+53.7 2' 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+23.2 6' SAG BEND	444+67.8 4' OVER BEND	445+14.0 5' OVER BEND	445+47.3 PROPERTY LINE	445+89.0 EXISTING PIPELINE	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	451+82.5 EXISTING PIPELINE	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+48.0 3.5' SAG BEND	459+75.3 2' SAG BEND	460+00.0 COVER 4.8	460+17.3 4' SAG BEND	461+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
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PROFILE HORIZONTAL: 1" = 200' VERTICAL: 1" = 40'																																																																										
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LEGEND - 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 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 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 <table><tr><th>NO.</th><th>DESCRIPTION</th><th>DATE</th></tr><tr><td>1</td><td>SURVEY CORRIDOR</td><td>1/06/17</td></tr></table>		NO.	DESCRIPTION	DATE	1	SURVEY CORRIDOR	1/06/17	SUMMARY OF MATERIALS <table><tr><th>ITEM #</th><th>LINEAR FEET</th><th>DESCRIPTION</th></tr><tr><td>2</td><td>5000.5</td><td>12" x .250 X60M, 20 MILS FBE</td></tr><tr><td>4</td><td>199.5</td><td>12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO</td></tr></table>		ITEM #	LINEAR FEET	DESCRIPTION	2	5000.5	12" x .250 X60M, 20 MILS FBE	4	199.5	12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO	AS-BUILT CONSTRUCTION ALIGNMENT AS-BUILT NST EXPRESS 12" PIPELINE 416+00.0 TO 468+00.0		FILE: AB_NST_EXPRESS_REV1 DRAFT: J.M.C. SHEET: 9 OF 24 REVISION: 1																																																	
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County & State: MCKENZIE COUNTY, NORTH DAKOTA

Section 17, T-151-N, R-103-W; Section 16, T-151-N, R-103-W; Section 9, T-151-N, R-103-W

Owners: ND-MC-037.000 MARVIN C. SGOGEN, RAYMON J.SGOGEN AND RUSSELL G. SGOGEN; ND-MC-036.00 TIM J. DENOWH; ND-MC-034.000 DANIEL E. KEPNER; ND-MC-033.000 FIRST NATIONAL BANK AND TRUST COMPANY

PLAN SCALE: 1" = 200'

STATIONING: 468+00.0 COVER 5.3; 470+00.0 COVER 5.5; 470+23.6 3" SAG BEND; 472+48.0 COVER 6.9; 472+48.0 5.5' RT. BEND; 473+58.1 6' RT. BEND; 474+00.0 COVER 11.5; 474+37.0 PROPERTY LINE; 474+50.0 EDGE OF ROAD; 474+56.3 WATER LINE; 475+35.6 10' LT. BEND; 476+00.0 COVER 5.8; 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 5.3; 490+00.0 COVER 5.4; 492+00.0 COVER 5.2; 494+00.0 COVER 5.1; 494+92.9 75' LT. BEND; 495+26.8 8' CABLE; 495+58.3 EDGE OF ROAD; 495+67.0 PROPERTY LINE; 496+10.0 10' RT. BEND; 496+43.8 75' RT. BEND; 498+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 45' LT. BEND; 508+00.0 COVER 7.6; 510+00.0 COVER 6.3; 510+34.7 WATER LINE; 512+00.0 COVER 8.4; 512+97.3 58' 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; 518+00.0 COVER 4.9; 519+14.1 PROPERTY LINE; 519+33.7 2.5' SAG BEND; 520+00.0 COVER 4.6

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

PIPE DETAIL N.T.S.

LEGEND: 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: 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 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.

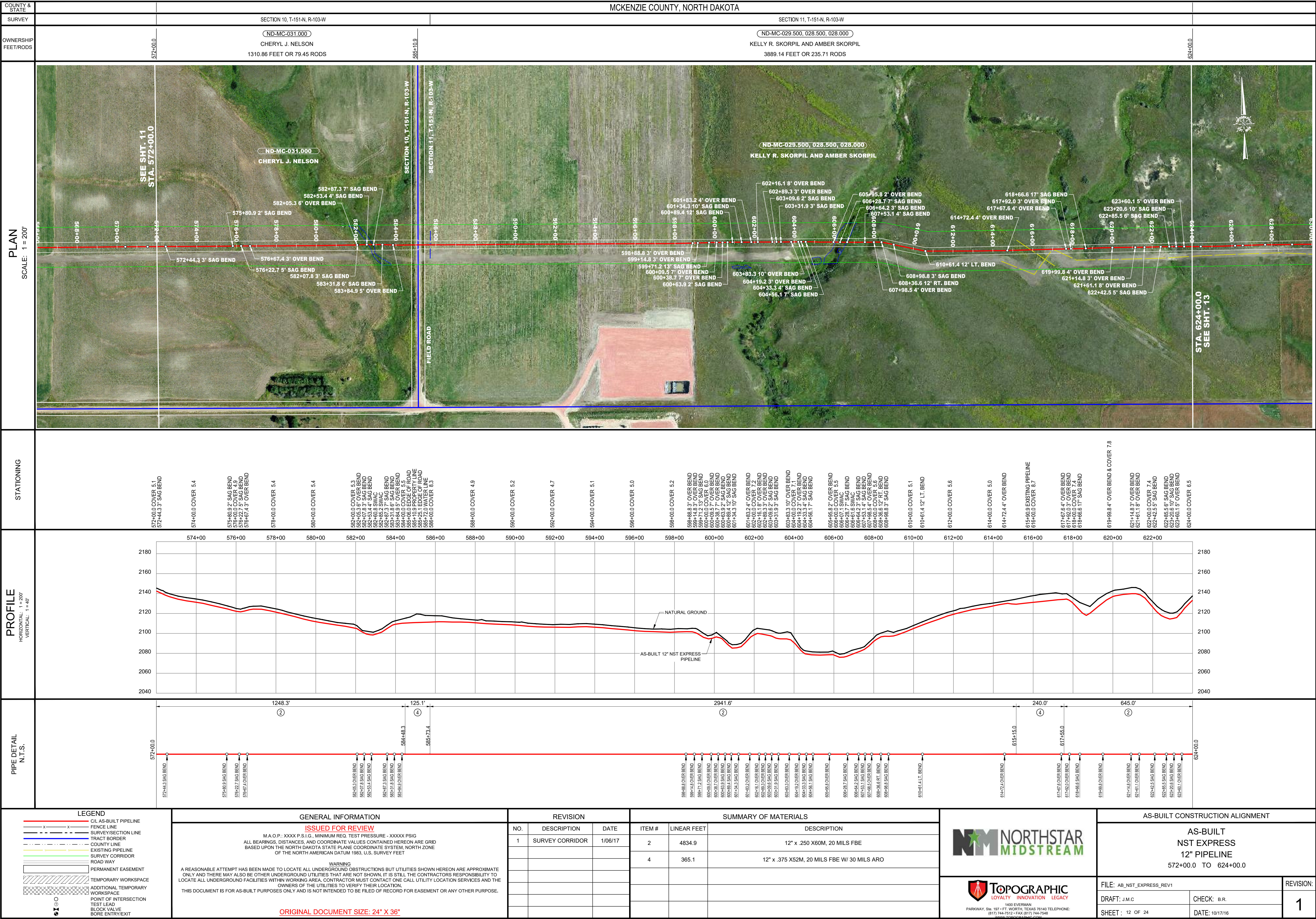
REVISION: NO. 1 DESCRIPTION SURVEY CORRIDOR DATE 1/06/17

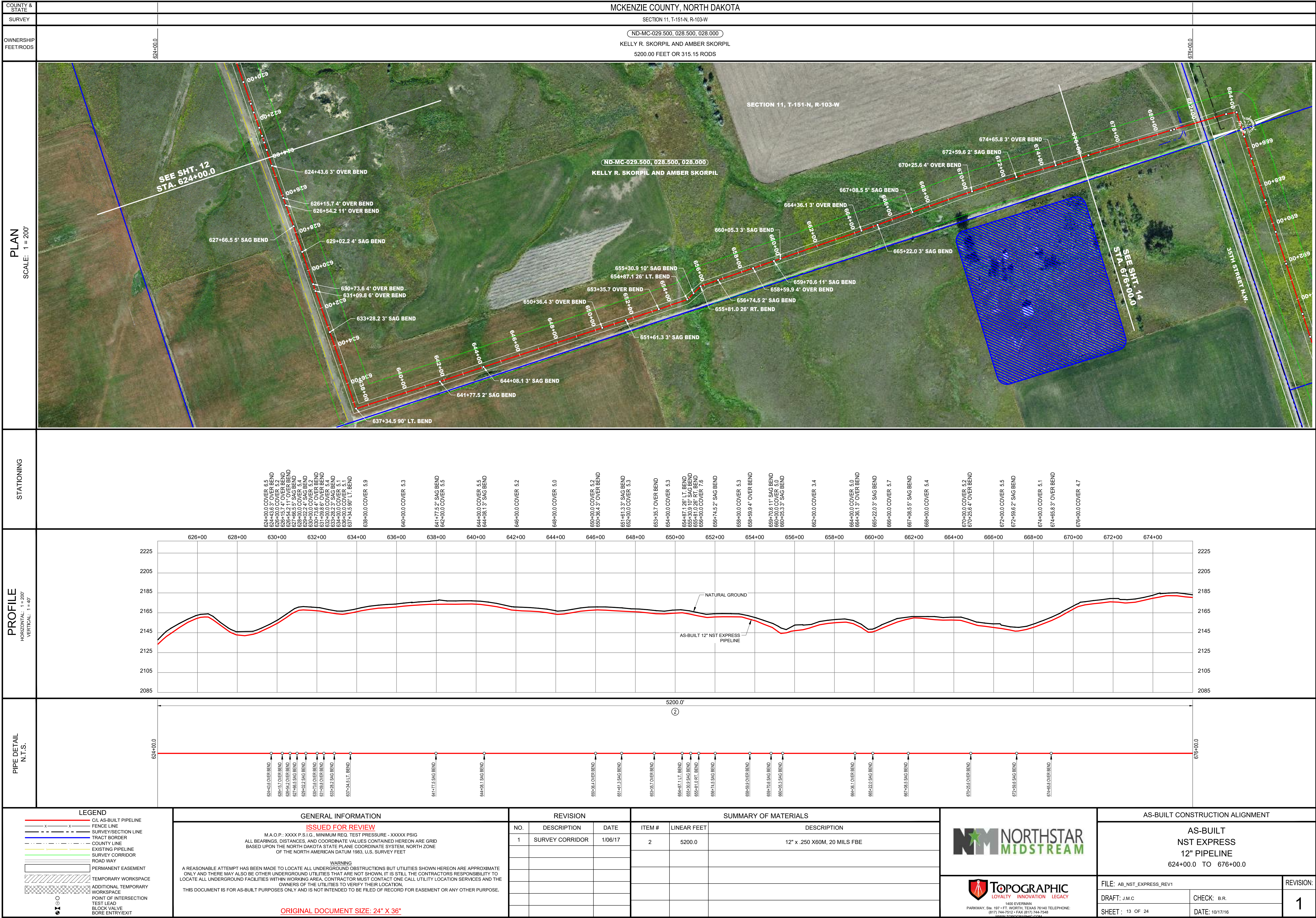
SUMMARY OF MATERIALS: ITEM # 2 LINEAR FEET 4952.1 DESCRIPTION 12" x .250 X60M, 20 MILS FBE; ITEM # 4 LINEAR FEET 247.9 DESCRIPTION 12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

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

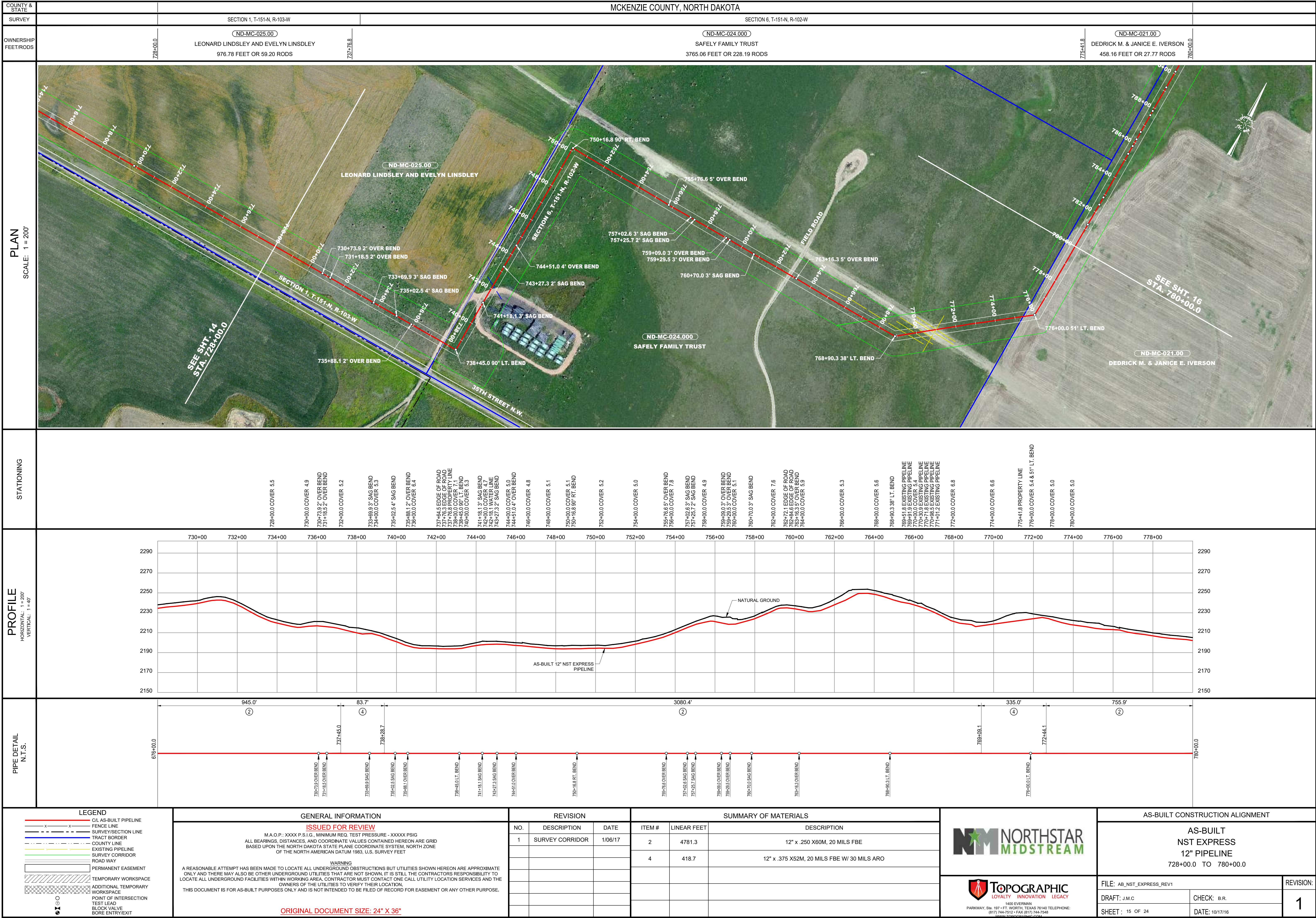
FILE: AB_NST_EXPRESS_REV1; DRAFT: J.M.C.; SHEET: 10 OF 24; CHECK: B.R.; DATE: 10/17/16; REVISION: 1

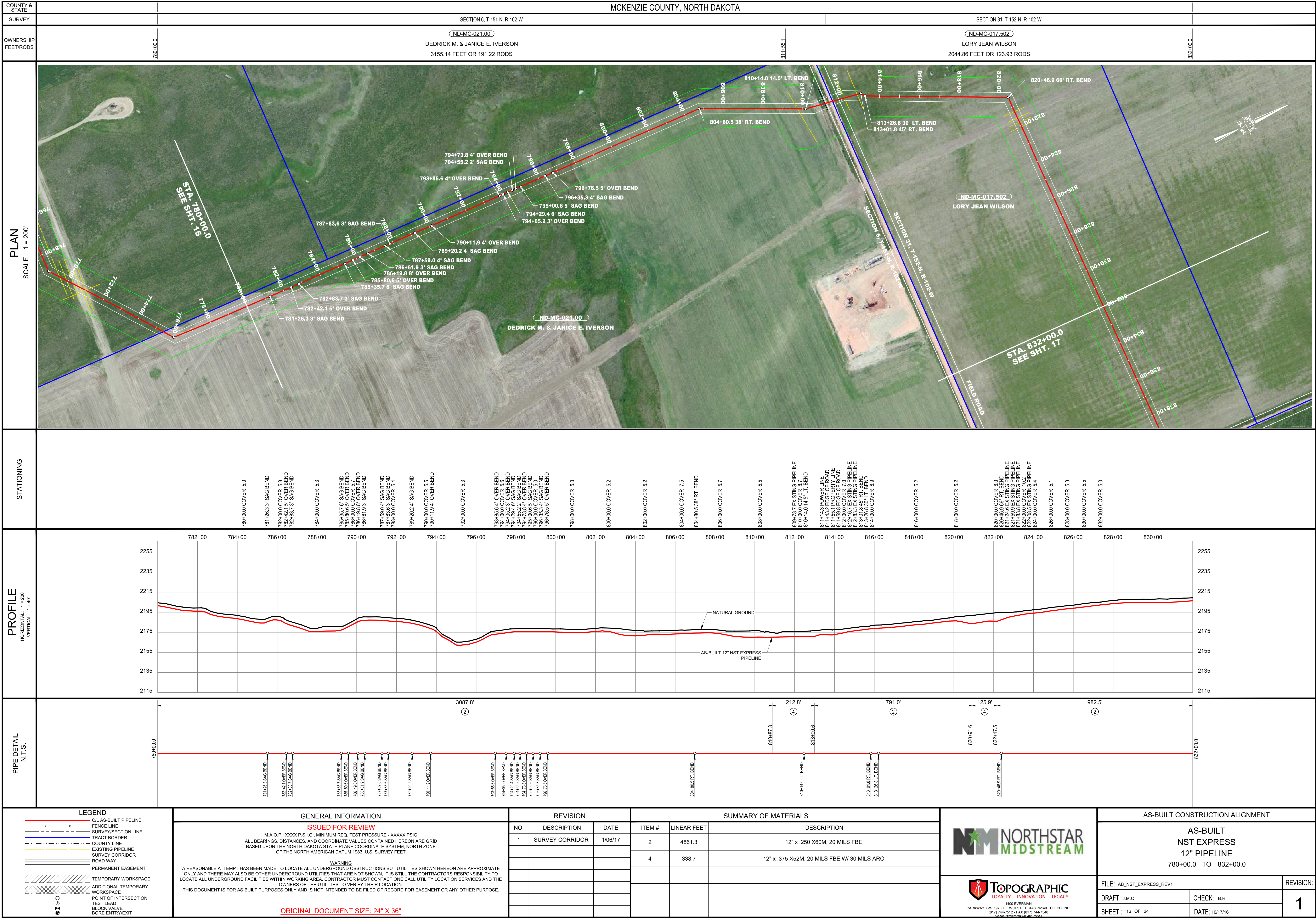
COUNTY & STATE		MCKENZIE COUNTY, NORTH DAKOTA	
SURVEY		SECTION 9, T-151-N, R-103-W	SECTION 10, T-151-N, R-103-W
OWNERSHIP FEET/RODS		(ND-MC-033.000) FIRST NATIONAL BANK AND TRUST COMPANY 1232.46 FEET OR 74.69 RODS	(ND-MC-031.000) CHERYL J. NELSON 3967.54 FEET OR 240.46 RODS
PLAN SCALE: 1" = 200'			
	STATIONING		
PROFILE HORIZONTAL: 1" = 200' VERTICAL: 1" = 40'			
	PIPE DETAIL N.T.S.		
LEGEND <			

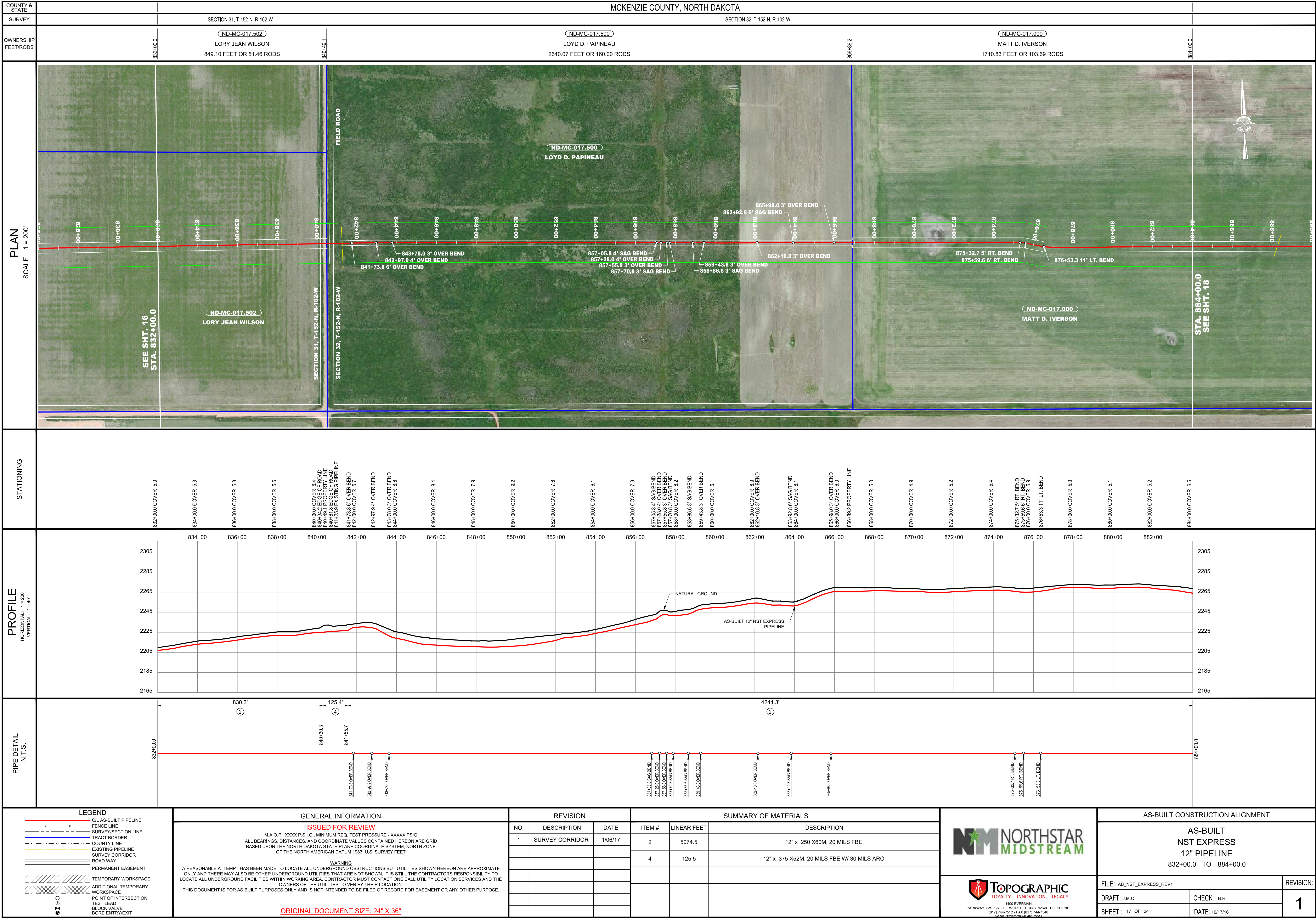




COUNTY & STATE	MCKENZIE COUNTY, NORTH DAKOTA																																	
SURVEY	SECTION 11, T-151-N, R-103-W		SECTION 2, T-151-N, R-103-W		SECTION 1, T-151-N, R-103-W																													
OWNERSHIP FEET/RODS	ND-MC-029.500, 028.500, 028.000 KELLY R. SKORPIL AND AMBER SKORPIL 629.10 FEET OR 38.13 RODS		ND-MC-025.502 TERRY O' CONNOR, KAREN O' CONNOR, DONNA WILKENING, DIANE O' CONNOR, AND NANCY O' DONNELL 1318.09 FEET OR 79.88 RODS		ND-MC-025.500 DEDRICK M. IVERSON AND JANICE E. IVERSON 1318.12 FEET OR 79.89 RODS			ND-MC-025.00 LEONARD LINDSLEY AND EVELYN LINDSLEY 1659.40 FEET OR 100.57 RODS																										
PLAN SCALE: 1 = 200'																																		
STATIONING	676+00.0 COVER 4.7 676+38.0 3' SAG BEND 680+00.0 COVER 5.8 680+70.7 2' SAG BEND 680+87.4 7' OVER BEND 681+31.8 WATER LINE 682+00.0 COVER 5.7 682+71.1 EDGE OF ROAD 682+23.1 PROPERTY LINE 682+41.7 SITE OF ROAD 683+58.8 2' OVER BEND 684+00.0 COVER 6.3 684+13.3 90° RT. BEND 685+41.5 4' SAG BEND 686+58.0 2' OVER BEND 687+71.7 11.5' SAG BEND 688+43.8 2' SAG BEND 690+45.5 4' OVER BEND 692+13.6 2' SAG BEND 694+79.1 2' SAG BEND 696+00.0 10.5' OVER BEND & COVER 5.4 698+43.8 2' SAG BEND 699+38.4 3' 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 4' OVER BEND 704+57.7 7' SITE OF ROAD 704+82.4 EDGE OF ROAD 704+85.8 SITE 706+00.0 COVER 6.3 706+19.8 3' SAG BEND 708+00.0 COVER 5.0 710+00.0 COVER 5.0 711+40.6 PROPERTY LINE 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 3' 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																																	
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- OIL 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	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 FOOT 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"		<table><thead><tr><th>NO.</th><th>DESCRIPTION</th><th>DATE</th></tr></thead><tbody><tr><td>1</td><td>SURVEY CORRIDOR</td><td>1/06/17</td></tr></tbody></table>		NO.	DESCRIPTION	DATE	1	SURVEY CORRIDOR	1/06/17	<table><thead><tr><th>ITEM #</th><th>LINEAR FEET</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>2</td><td>4961.1</td><td>12" x .250 X60M, 20 MILS FBE</td></tr><tr><td>4</td><td>238.9</td><td>12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO</td></tr></tbody></table>			ITEM #	LINEAR FEET	DESCRIPTION	2	4961.1	12" x .250 X60M, 20 MILS FBE	4	238.9	12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO	 NORTHSTAR MIDSTREAM TOPOGRAPHIC LOYALTY INNOVATION LEGACY PARKWAY, Ste. 197 • FT. WORTH, TEXAS 76140 TELEPHONE: (817) 744-7512 • FAX (817) 744-7546 WWW.TOPOGROUP.COM			AS-BUILT NST EXPRESS 12" PIPELINE 676+00.0 TO 728+00.0 <table><tr><td>FILE: AB_NST_EXPRESS_REV1</td><td>REVISION:</td></tr><tr><td>DRAFT: J.M.C.</td><td>CHECK: B.R.</td></tr><tr><td>SHEET: 14 OF 24</td><td>DATE: 10/17/16</td></tr></table> 1			FILE: AB_NST_EXPRESS_REV1	REVISION:	DRAFT: J.M.C.	CHECK: B.R.	SHEET: 14 OF 24	DATE: 10/17/16
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PLAN
SCALE: 1" = 200'

STATIONING

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

PIPE DETAIL
N.T.S.

LEGEND

GENERAL INFORMATION

REVISION

SUMMARY OF MATERIALS

AS-BUILT CONSTRUCTION ALIGNMENT

ISSUED FOR REVIEW

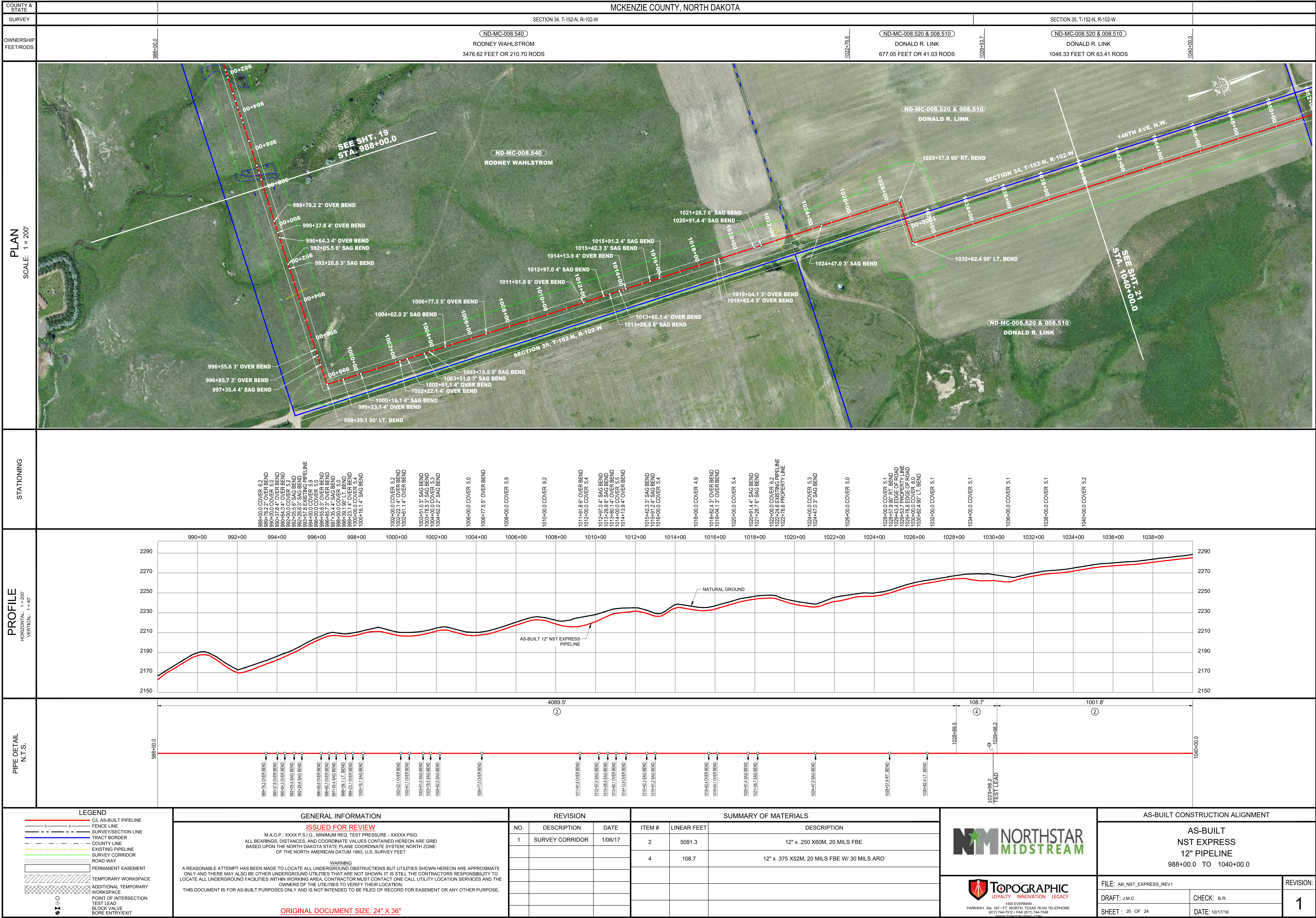
WARNING

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

FILE: AB_NST_EXPRESS_REV1
DRAFT: J.M.C.
SHEET: 19 OF 24

REVISION:
CHECK: B.R.
DATE: 10/17/16

1



County & State: MCKENZIE COUNTY, NORTH DAKOTA

SECTION 26, T-152-N, R-102-W

SECTION 23, T-152-N, R-102-W

OWNERSHIP: MARY CAROLYN FRITZ AND JAMES FRITZ (1936.84 FEET OR 117.38 RODS), HARLAN FIXEN, CAROLYN FIXEN, GARY FIXEN, DDAREN FIXEN-BERCIER (1649.72 FEET OR 99.98 RODS), DAVID E. BARROWS, GLENICE RISHEILL, JOHN E. BARROWS, STEPHEN D. BARROWS (1213.44 FEET OR 73.54 RODS)

PLAN SCALE: 1" = 200'

STATIONING: 1092+00.0 COVER 5.1, 1094+00.0 COVER 4.8, 1096+00.0 COVER 5.1, 1098+00.0 COVER 5.3, 1100+00.0 COVER 5.0, 1102+00.0 COVER 5.0, 1104+00.0 COVER 4.9, 1106+00.0 COVER 5.1, 1108+00.0 COVER 4.7, 1110+00.0 COVER 4.9, 1112+00.0 COVER 5.1, 1114+00.0 COVER 5.2, 1116+00.0 COVER 5.4, 1118+00.0 COVER 4.7, 1120+00.0 COVER 4.9, 1122+00.0 COVER 7.3, 1124+00.0 COVER 7.3, 1126+00.0 COVER 7.3, 1128+00.0 COVER 5.4, 1130+00.0 COVER 5.4, 1132+00.0 COVER 5.0, 1134+00.0 COVER 6.3, 1136+00.0 COVER 7.9

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

PIPE DETAIL N.T.S.

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: 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.

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

SUMMARY OF MATERIALS: 2, 4774.5, 12" x 250 X60M, 20 MILS FBE; 4, 25.5, 12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

AS-BUILT CONSTRUCTION ALIGNMENT: AS-BUILT NST EXPRESS 12" PIPELINE, 1092+00.0 TO 1140+00.0

FILE: AB_NST_EXPRESS_REV1, DRAFT: J.M.C., SHEET: 22 OF 24, CHECK: B.R., DATE: 10/17/16, REVISION: 1

Engineering drawing for the AS-BUILT construction alignment of the 12" NST Express Pipeline, showing the plan view, profile view, and pipe detail.

PLAN
SCALE: 1" = 200'

STATIONING

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

PIPE DETAIL
N.T.S.

LEGEND

- AS-BUILT PIPELINE
- FENCE LINE
- SURVEY/SECTION LINE
- TRACT BORDER
- COUNTY LINE
- EXISTING PIPELINE
- SURVEY CORRIDOR
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- ADDITIONAL TEMPORARY WORKSPACE
- 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 - 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

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REVISION

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

SUMMARY OF MATERIALS

ITEM #	LINEAR FEET	DESCRIPTION
2	4022.4	12" x .250 X60M, 20 MILS FBE
4	177.6	12" x .375 X52M, 20 MILS FBE W/ 30 MILS ARO

AS-BUILT CONSTRUCTION ALIGNMENT

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

FILE: AB_NST_EXPRESS_REV1
DRAFT: J.M.C.
SHEET: 23 OF 24

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