

Reroute. Both the approved and proposed modified route and corridor are depicted on the maps attached hereto as **Exhibit A**.

5. That the total length of the route adjustment for the Littlefield Reroute is approximately 4.66 miles. The route adjustment outside of the designated corridor is approximately 2.85 miles.

6. That Sacagawea is requesting the proposed route and corridor modification based on landowner requests. These landowner requests related to protecting land use potential and minimizing the pipeline footprint by co-locating the Project with other pipelines in the area.

7. That the owners of the property to be crossed by the modified route have approved the proposed modification. Attached hereto as **Exhibit B** is a list of all landowners affected by the route modification.

8. Sacagawea has one hundred percent of the easements acquired from all landowners on the routing of the pipeline adjustment. Attached hereto as **Exhibit C** are the memorandum of easement agreements applicable to the route modification.

9. That botany, wetland, and wildlife surveys have been completed for the proposed route and corridor modifications. A majority of the route adjustment was covered by the previous studies conducted for the Project included in the original siting application for the Project. *See* PSC Docket No. 1.

10. Keitu Engineers and Consultants Keitu Engineers and Consultants, Inc. (“Keitu”) performed a supplemental survey for a portion of the route adjustment on March 23, 2016. During the supplemental survey, Keitu did not identify any exclusion or avoidance areas. *See* **Exhibit D**.

11. That Keitu also reviewed the survey information submitted in conjunction with the original application. In reviewing the previously submitted information and supplemental field surveys, no exclusion or avoidance areas were found that will be impacted by the Littlefield Reroute. *See* **Exhibit E**.

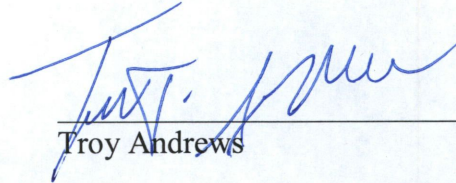
12. An Addendum II to the Class I and Class III Cultural Resource Inventory of the Paradigm Sacagawea Pipeline in McKenzie and Mountrail Counties, North Dakota was also performed to identify any cultural resource issues for the route adjustment. *See* **Exhibit F**. Exhibit F contains privileged information not suitable for internet publication.

13. The Addendum II to the Class I and Class III Cultural Resource Inventory of the Sacagawea Pipeline was submitted to the North Dakota State Historic Preservation Office (“SHPO”) for review. The SHPO concurred with a No Significant Sites Affected determination provided the adjustment remains as mapped and described. *See* **Exhibit G**.

14. That no exclusion or avoidance areas, as set forth in Sections 69-06-08-02(1) and (2) of the North Dakota Administrative Code, will be affected by the proposed corridor and route modification for the Littlefield Reroute. *See* **Exhibits D, E, F, and G**.

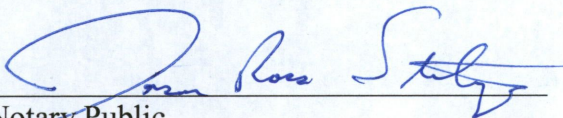
15. That Sacagawea will comply with the Commission’s orders, laws, and rules designating the corridor and designating the route for any amendments to the corridor and route as requested.

FURTHER AFFIANT SAYETH NOT.



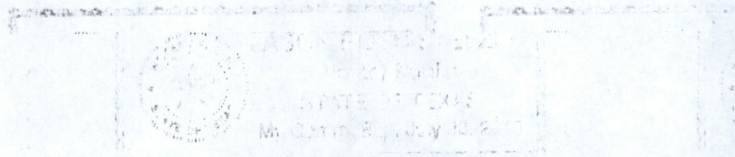
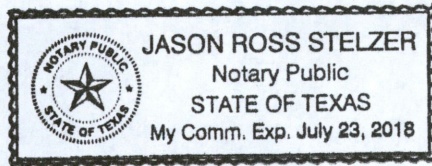
Troy Andrews

Subscribed and sworn to before me
this 16th day of May, 2016.



Notary Public

58698532_1.docx



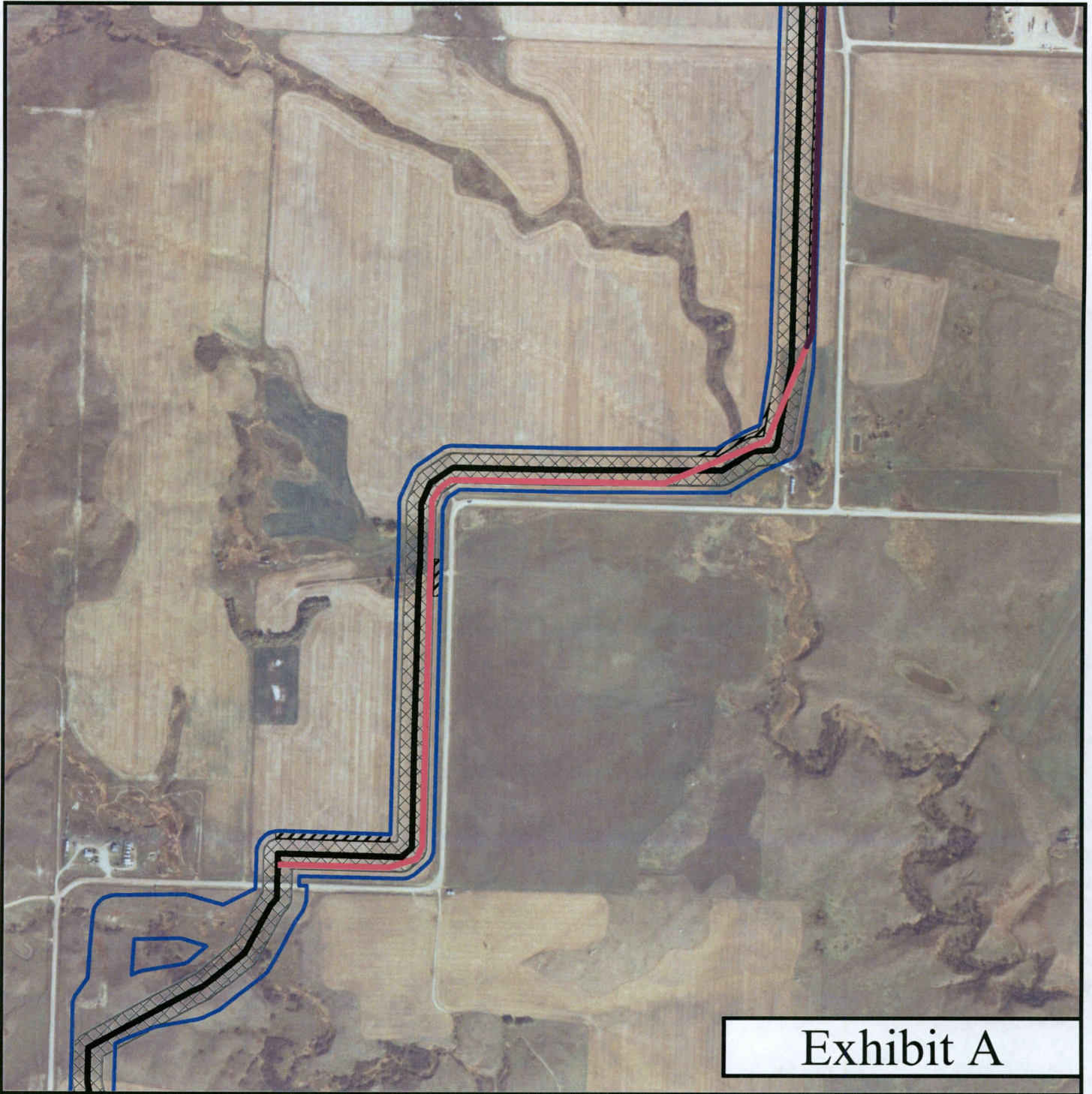


Exhibit A



Legend

- Approved Centerline
- Route Adjustment within Corridor
- Route Adjustment outside Corridor
- Approved Corridor
- Proposed Corridor
- Survey Area
- Supplemental Survey

500
Feet

SACAGAWEA
PIPELINE COMPANY, LLC

**Sacagawea Pipeline Project
(PU-15-114)**

**Littlefield Reroute
Page 1**

**S20, 29, 32, 31 T153N R91W
S2, 3 T152N R92W**

N

Updated: 5/6/2016



Legend

- Approved Centerline
- Route Adjustment within Corridor
- Route Adjustment outside Corridor
- Approved Corridor
- Proposed Corridor
- Survey Area
- Supplemental Survey

500
Feet

SACAGAWEA
PIPELINE COMPANY, LLC

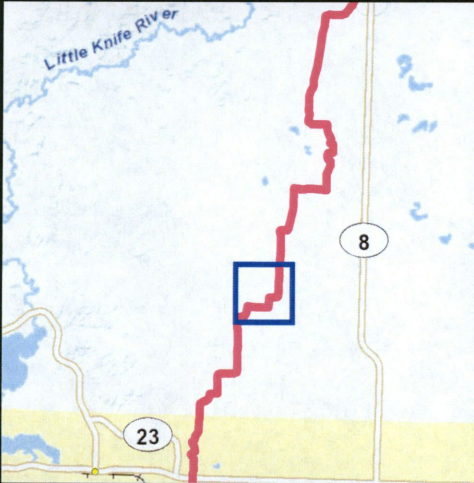
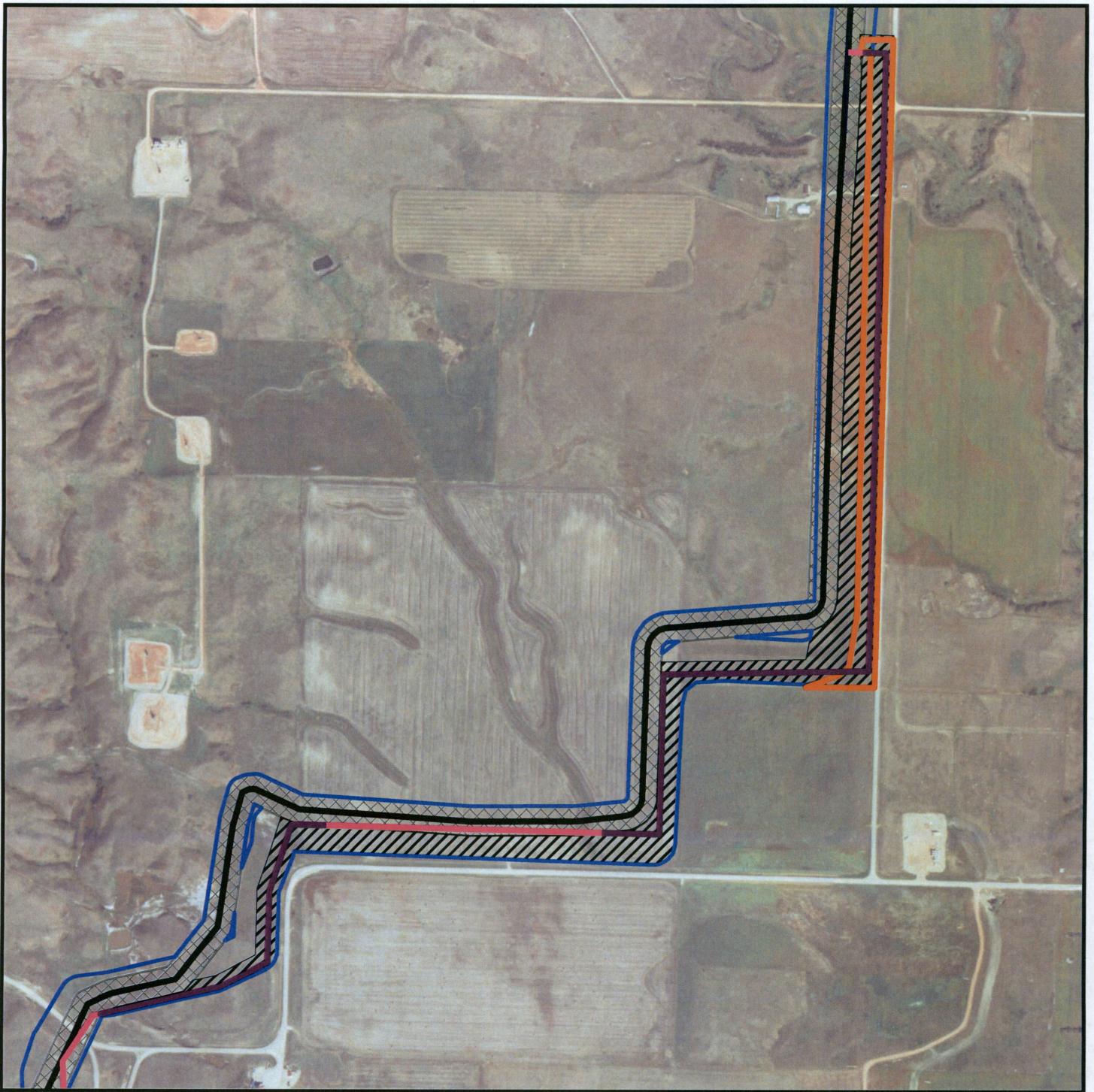
**Sacagawea Pipeline Project
(PU-15-114)**

**Littlefield Reroute
Page 2**

**S20, 29, 32, 31 T153N R91W
S2, 3 T152N R92W**

N

Updated: 5/6/2016



Legend

-  Approved Centerline
-  Route Adjustment within Corridor
-  Route Adjustment outside Corridor
-  Approved Corridor
-  Proposed Corridor
-  Survey Area
-  Supplemental Survey

500
Feet

SACAGAWEA
PIPELINE COMPANY, LLC

**Sacagawea Pipeline Project
(PU-15-114)**

**Littlefield Reroute
Page 3**

**S20, 29, 32, 31 T153N R91W
S2, 3 T152N R92W**



Updated: 5/6/2016

Exhibit B
Sacagawea Pipeline Project - PU-15-114
Landowner Information

Name	Legal Description	Address
RONALD HANSEN	E1/2 SE1/4 of Sec 20, T153N, R91W, 5th P.M.	4288 87TH DR NW NEW TOWN ND 58763-9109
MICHAEL & STEVEN LITTLEFIELD	S1/2 SW1/4, W1/2 SE1/4, NE1/4 SE1/4 & E1/2 NE1/4 of Sec 29, T153N, R91W, 5th P.M. NW1/4 NW1/4 of Sec 32, T153N, R91W, 5th P.M.	4449 81ST AVE NW NEW TOWN ND 58763-9586
KENNETH V. & JOAN A. LITTLEFIELD LLP	E1/2 NE1/4 of Sec 31, T153N, R91W, 5th P.M.	7897 46TH ST NW NEW TOWN ND 58763-9575
	E1/2 SE1/4 of Sec 31, T153N, R91W, 5th P.M. S1/2 NE1/4 & LOT 3 of Sec 2, T152N, R92W, 5th P.M.	
	E1/2 SE1/4 & SE1/4 NE1/4 of Sec 3, T152N, R92W, 5th P.M.	

MINOT ND 58703



MEMORANDUM OF EASEMENT AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

Ronald E. Hansen and Joyce J. Hansen, whose address is 4288 87th Drive Northwest, New Town ND 58763-9109, as ("Grantor"), has executed and delivered to Paradigm Midstream Services-ND, LLC, a Delaware Limited Liability Company, whose address is 545 E. John Carpenter Freeway, Suite 800, Irving, TX 75062, and its successors and assignees as ("Grantee"), an Easement Agreement dated 30th day of January 2015, covering lands situated in the County of Mountrail, State of North Dakota, described as follows and more particularly described in **Exhibit "A"** (the "Plat") attached hereto.

The East Half of the Southeast Quarter (E/2 SE/4) and the Southeast Quarter of the Northeast Quarter of Section 19, Township 153 North, Range 91 West; Southwest Quarter of the Northwest Quarter (SW/4 NW/4), the East Half of the Northwest Quarter (E/2 NW/4), The West Half of the Northeast Quarter (W/2 NE/4) and the South Half (S/2) of Section 20, Township 153 North, Range 91 West, of the Fifth Principal Meridian, of Mountrail County, North Dakota.

AND WHEREAS, original of said Easement Agreement are in the possession of Grantee, where the same may be examined at the above addresses by any person having the lawful right or legitimate interest therein during normal business hours.

NOW THEREFORE, for the consideration set out in said Easement Agreement, Grantor hereby grants unto Grantee, all rights as specified in such agreement into and upon the land covered thereby, being the lands described and referred to above, for the purposes and considerations therein set forth. Reference is hereby made to said Easement Agreement for all purposes and said document is made a part hereof to the same extent and with the same force and effect as though the same were fully and completely incorporated herein.

Executed this 30th day of January, 2015.

GRANTOR(S):

By: Ronald E. Hansen and Joyce J. Hansen

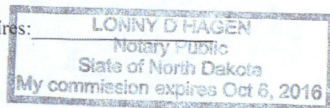
STATE OF (North Dakota)

COUNTY OF (Mountrail)

BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this 30th day of January, 2015, personally appeared Ronald E. Hansen and Joyce J. Hansen, to me known to be the identical person, described in and who executed the within and foregoing instrument of writing and acknowledged to me that he duly executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

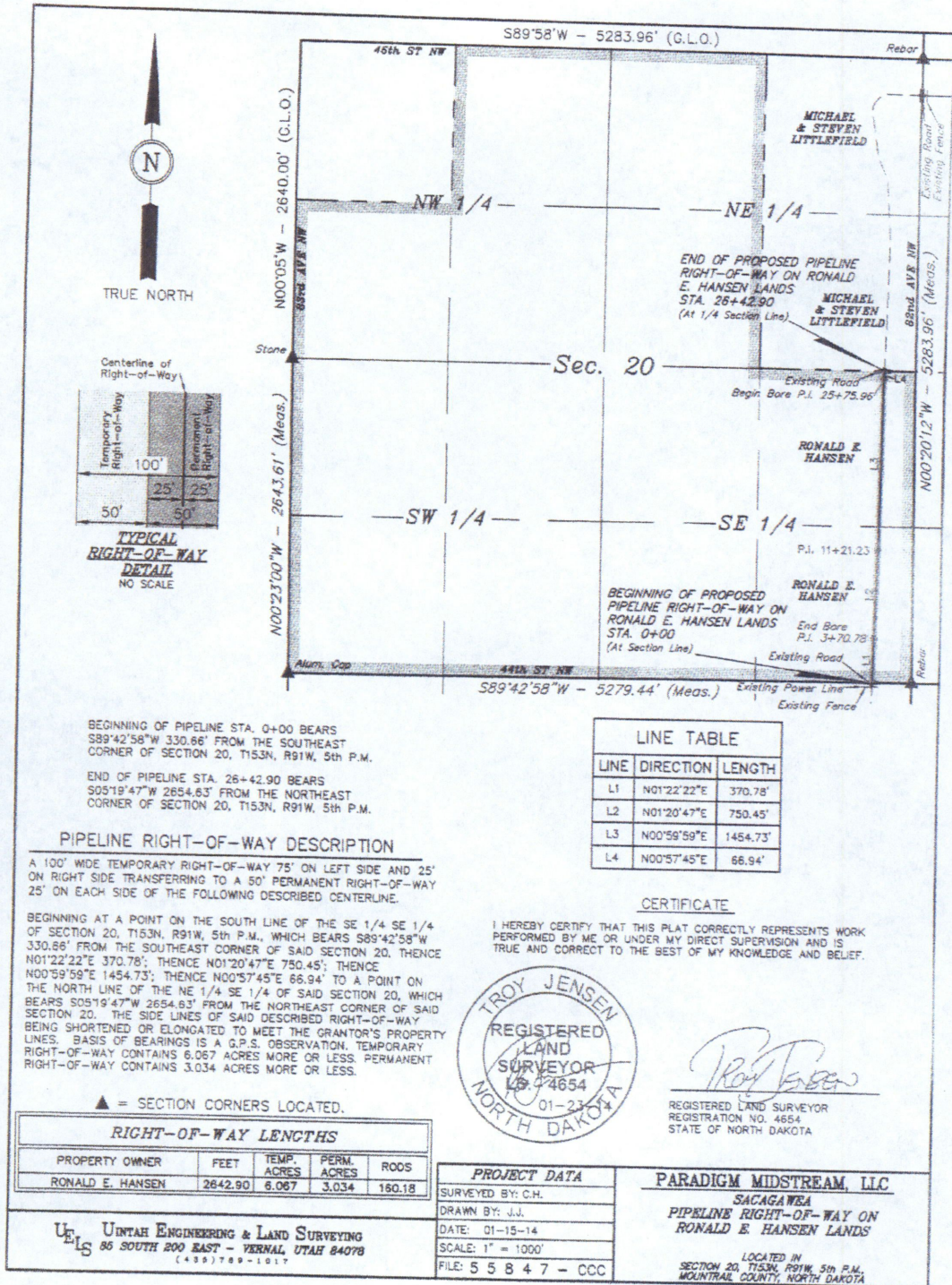
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

My Commission Expires:



Lonny D. Hagen
Notary

(Seal)



BEGINNING OF PIPELINE STA. 0+00 BEARS
S89°42'58"W 330.66' FROM THE SOUTHEAST
CORNER OF SECTION 20, T153N, R91W, 5th P.M.

END OF PIPELINE STA. 26+42.90 BEARS
S05°19'47"W 2654.63' FROM THE NORTHEAST
CORNER OF SECTION 20, T153N, R91W, 5th P.M.

LINE	DIRECTION	LENGTH
L1	N01°22'22"E	370.78'
L2	N01°20'47"E	750.45'
L3	N00°59'59"E	1454.73'
L4	N00°57'45"E	66.94'

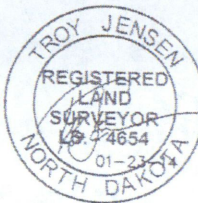
PIPELINE RIGHT-OF-WAY DESCRIPTION

A 100' WIDE TEMPORARY RIGHT-OF-WAY 75' ON LEFT SIDE AND 25' ON RIGHT SIDE TRANSFERRING TO A 50' PERMANENT RIGHT-OF-WAY 25' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE SOUTH LINE OF THE SE 1/4 SE 1/4 OF SECTION 20, T153N, R91W, 5th P.M., WHICH BEARS S89°42'58"W 330.66' FROM THE SOUTHEAST CORNER OF SAID SECTION 20, THENCE N01°22'22"E 370.78'; THENCE N01°20'47"E 750.45'; THENCE N00°59'59"E 1454.73'; THENCE N00°57'45"E 66.94' TO A POINT ON THE NORTH LINE OF THE NE 1/4 SE 1/4 OF SAID SECTION 20, WHICH BEARS S05°19'47"W 2654.63' FROM THE NORTHEAST CORNER OF SAID SECTION 20. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. TEMPORARY RIGHT-OF-WAY CONTAINS 6.067 ACRES MORE OR LESS. PERMANENT RIGHT-OF-WAY CONTAINS 3.034 ACRES MORE OR LESS.

CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Troy Jensen
REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

▲ = SECTION CORNERS LOCATED.

RIGHT-OF-WAY LENGTHS				
PROPERTY OWNER	FEET	TEMP. ACRES	PERM. ACRES	RODS
RONALD E. HANSEN	2642.90	6.067	3.034	180.18

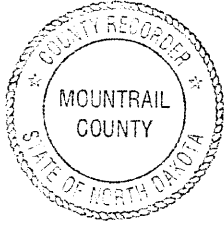
PROJECT DATA	
SURVEYED BY:	C.H.
DRAWN BY:	J.J.
DATE:	01-15-14
SCALE:	1" = 1000'
FILE:	5 5 8 4 7 - CCC

PARADIGM MIDSTREAM, LLC
SACAGAWEA
PIPELINE RIGHT-OF-WAY ON
RONALD E. HANSEN LANDS
LOCATED IN
SECTION 20, T153N, R91W, 5th P.M.,
MOUNTRAIL COUNTY, NORTH DAKOTA

U/L S UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL UTAH 84078
(435) 789-1017

I, _____, ACKNOWLEDGE THAT THIS IS THE CORRECT ROUTE AND I GIVE MY PERMISSION FOR THIS PLAT TO BE RECORDED OR RE-RECORDED.

SIGNATURE: _____



County Recorder
Mountrail County
Stanley ND

416968



Page 3 of 3

County Recorder, Mountrail County ND. **416968**

I certify that this instrument was filed and recorded.

Melissa Vachal, County Recorder

By *Jan Taylor, Deputy*

Fee \$16.00
2/23/2015 12:50 PM



MEMORANDUM OF EASEMENT AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

Michael J. Littlefield, whose address is 4449 81st Avenue Northwest, New Town, ND 58763, and Steven V. Littlefield and Krista L. Sundquist-Littlefield, Trustees, under the Steven V. Littlefield Living Trust, dated June 18, 2015, whose address is 4011 Highway 8, New Town, ND 58763, ("Grantor") and Sacagawea Pipeline Company, LLC, a Delaware Limited Liability Company, whose address is 545 E. John Carpenter Freeway, Suite 800, Irving, TX 75062, and its successors and assignees as ("Grantee"), an Easement Agreement dated this 10th day of Nov., 2015 covering lands situated in the County of Mountrail, State of North Dakota, described as follows and more particularly described in Exhibit "A" (the "Plat") attached hereto.

Township 153 North, Range 91 West of the 5th P.M.
Section 20: E/2NE/4
Section 21: NW/4NW/4
Section 29: S/2SW/4, SW/4SE/4, N/2SE/4, E/2NE/4
Section 31: E/2NE/4
Section 32: NW/4NW/4

AND WHEREAS, original of said Easement Agreement are in the possession of Grantee, where the same may be examined at the above addresses by any person having the lawful right or legitimate interest therein during normal business hours.

NOW THEREFORE, for the consideration set out in said Easement Agreement, Grantor hereby grants unto Grantee, all rights as specified in such agreement into and upon the land covered thereby, being the lands described and referred to above, for the purposes and considerations therein set forth. Reference is hereby made to said Easement Agreement for all purposes and said document is made a part hereof to the same extent and with the same force and effect as though the same were fully and completely incorporated herein.

Executed this 10th day of Nov., 2015.

GRANTOR(S): Michael J. Littlefield and Steven V. Littlefield and Krista L. Sundquist-Littlefield, Trustees, under the Steven V. Littlefield Living Trust, dated June 18, 2015

By: Michael J. Littlefield
Michael J. Littlefield

By: Steven V. Littlefield
Steven V. Littlefield, Trustee

By: Krista L. Sundquist-Littlefield
Krista L. Sundquist-Littlefield, Trustee

GRANTEE: SACAGAWEA PIPELINE COMPANY, LLC

By: Troy Andrews
Troy Andrews
Manager

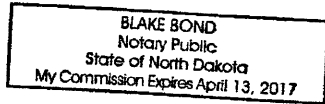


ACKNOWLEDGEMENT

STATE OF NORTH DAKOTA §
 §
COUNTY OF MOUNTRAIL §

BEFORE ME, the undersigned authority, on this day personally appeared Michael J. Littlefield, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this 10 day of Nov. 2015.



Blake Bond
Notary Public in and for the State of ND
Blake Bond
(Print Name of Notary Public Here)

ACKNOWLEDGEMENT

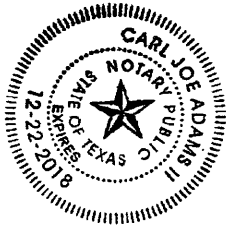
STATE OF TEXAS

§
§
§

COUNTY OF DALLAS

BEFORE ME, the undersigned authority, on this day personally appeared TROY ANDREWS, Manager of the SACAGAWEA PIPELINE COMPANY, LLC, a Delaware Limited Liability Company, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this 17th day of November 2015.



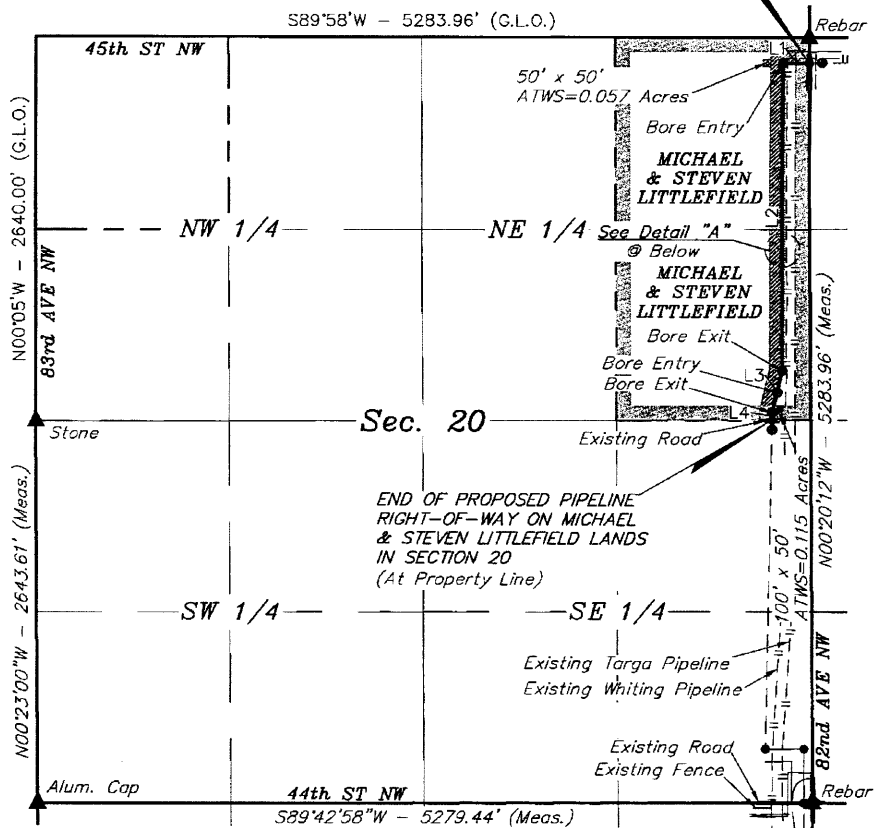
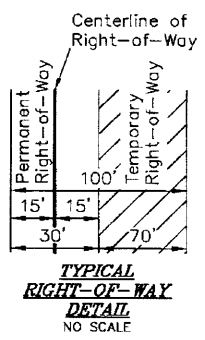
CJA
Notary Public in and for the State of TX
CARL JOE ADAMS II
(Print Name of Notary Public Here)





= ATWS (Additional Temporary Workspace)
 = SECTION CORNERS LOCATED.

EXHIBIT "A"

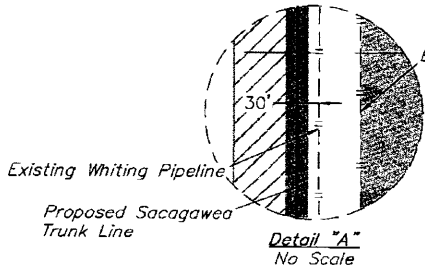


BEGINNING OF PROPOSED PIPELINE RIGHT-OF-WAY ON MICHAEL & STEVEN LITTLEFIELD LANDS IN SECTION 20 (At Section Line)

END OF PROPOSED PIPELINE RIGHT-OF-WAY ON MICHAEL & STEVEN LITTLEFIELD LANDS IN SECTION 20 (At Property Line)

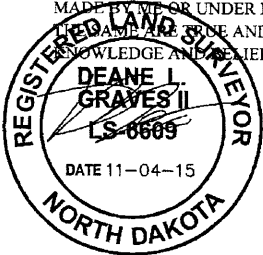
BEGINNING OF PROPOSED PIPELINE BEARS S00°20'12"E 175.23' FROM THE NORTHEAST CORNER OF SECTION 20, T153N, R91W, 5th P.M.

END OF PROPOSED PIPELINE BEARS S05°19'47"W 2654.63' FROM THE NORTHEAST CORNER OF SECTION 20, T153N, R91W, 5th P.M.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REGISTERED LAND SURVEYOR
 REGISTRATION NO. LS-6609
 STATE OF NORTH DAKOTA

SHEET 1 OF 2

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°58'37"W	178.38'
L2	S00°01'34"W	2125.39'
L3	S13°05'15"W	297.13'
L4	S01°03'24"W	53.06'

RIGHT-OF-WAY LENGTHS				
PROPERTY OWNER	FEET	PERM. ACRES	TEMP. ACRES	RODS
MICHAEL & STEVEN LITTLEFIELD	2653.96	1.828	6.093	160.85

PROJECT DATA
SURVEYED BY: C.H.
DRAWN BY: J.J.
DATE: 01-15-14
REV: 11-04-15 J.J.
SCALE: 1"=1000'
FILE: 55847-KKK A

SACAGAWEA PIPELINE COMPANY, LLC
SACAGAWEA TRUNK LINE
PIPELINE RIGHT-OF-WAY ON
MICHAEL & STEVEN LITTLEFIELD LANDS
 LOCATED IN
 SECTION 20, T153N, R91W, 5th P.M.,
 MOUNTRAIL COUNTY, NORTH DAKOTA
PIPELINE RIGHT-OF-WAY PLAT



UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017

County Recorder
 Mountrail County
 Stanley ND



422635

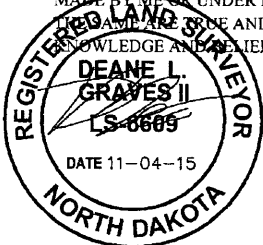
PIPELINE RIGHT-OF-WAY DESCRIPTION

A 100' WDE TEMPORARY RIGHT-OF-WAY 85' ON RIGHT SIDE AND 15' ON LEFT SIDE TRANSFERRING TO A 30' PERMANENT RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE EAST LINE OF THE NE 1/4 NE 1/4 OF SECTION 20, T153N, R91W, 5th P.M., WHICH BEARS S00°20'12"E 175.23' FROM THE NORTHEAST CORNER OF SAID SECTION 20, THENCE S89°58'37"W 178.38'; THENCE S00°01'34"W 2125.39'; THENCE S13°05'15"W 297.13'; THENCE S01°03'34"W 53.06' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 NE 1/4 OF SAID SECTION 20, WHICH BEARS S05°19'47"W 2654.63' FROM THE NORTHEAST CORNER OF SAID SECTION 20. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. TEMPORARY RIGHT-OF-WAY CONTAINS 6.093 ACRES MORE OR LESS. PERMANENT RIGHT-OF-WAY CONTAINS 1.828 ACRES MORE OR LESS.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Deane L. Graves II
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. LS-6609
 STATE OF NORTH DAKOTA

SHEET 2 OF 2

SACA-MTS-087

PROJECT DATA	SACAGAWEA PIPELINE COMPANY, LLC
SURVEYED BY: C.H.	SACAGAWEA TRUNK LINE
DRAWN BY: J.J.	PIPELINE RIGHT-OF-WAY ON
DATE: 01-15-14	MICHAEL & STEVEN
REV: 11-04-15 J.J.	LITTLEFIELD LANDS
SCALE: N/A	LOCATED IN
FILE: 55847-KKK B	SECTION 20, T153N, R91W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA
	PIPELINE RIGHT-OF-WAY PLAT

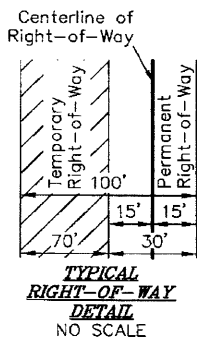
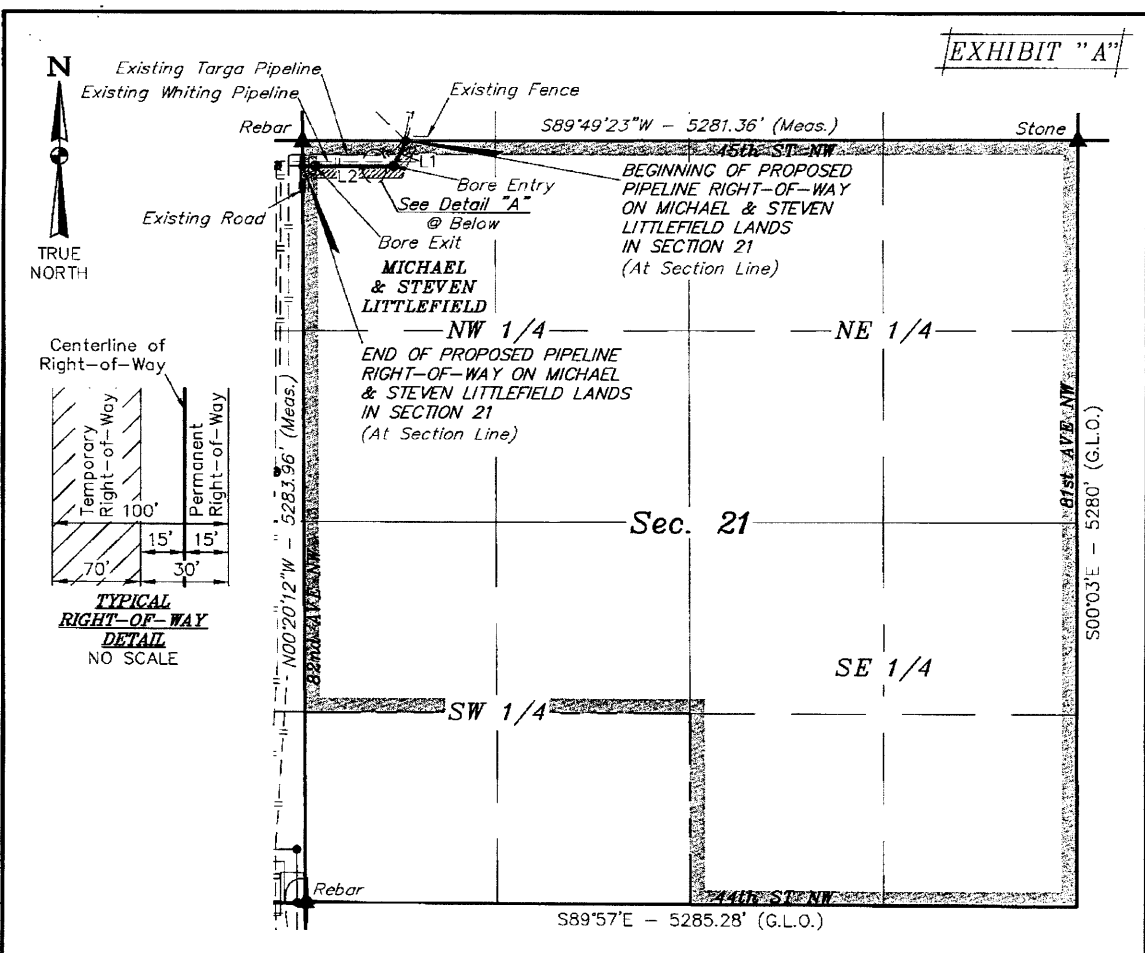


UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017

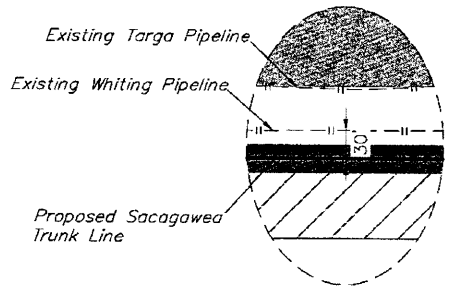
County Recorder
 Mountrail County
 Stanley ND

422635





TYPICAL
RIGHT-OF-WAY
DETAIL
NO SCALE



Detail "A"
No Scale

BEGINNING OF PROPOSED PIPELINE BEARS N89°49'23"E 709.36' FROM THE NORTHWEST CORNER OF SECTION 21, T153N, R91W, 5th P.M.

END OF PROPOSED PIPELINE BEARS S00°20'12"E 175.23' FROM THE NORTHWEST CORNER OF SECTION 21, T153N, R91W, 5th P.M.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S24°31'27"W	194.73'
L2	S89°58'37"W	627.50'

▲ = SECTION CORNERS LOCATED.

CERTIFICATE
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DEANE L. GRAVES II
REGISTERED LAND SURVEYOR
LS-6609
DATE 11-04-15

Deane L. Graves II
REGISTERED LAND SURVEYOR
REGISTRATION NO. LS-6609
STATE OF NORTH DAKOTA

SHEET 1 OF 2
SACA-MTS-089

RIGHT-OF-WAY LENGTHS					PROJECT DATA		SACAGAWEA PIPELINE COMPANY, LLC		
PROPERTY OWNER	FEET	PERM. ACRES	TEMP. ACRES	RODS	SURVEYED BY:	SACAGAWEA TRUNK LINE PIPELINE RIGHT-OF-WAY ON MICHAEL & STEVEN LITTLEFIELD LANDS			
MICHAEL & STEVEN LITTLEFIELD	822.23	0.566	1.888	49.83	C.H.	LOCATED IN SECTION 21, T153N, R91W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA			
<p>UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017</p>					DATE:	PIPELINE RIGHT-OF-WAY PLAT			
					DATE:				01-15-14
					REV:				11-04-15 J.I.
					SCALE:	422635			
					FILE:	County Recorder Mountrail County Stanley ND			



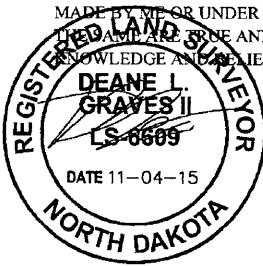
PIPELINE RIGHT-OF-WAY DESCRIPTION

A 100' WIDE TEMPORARY RIGHT-OF-WAY 85' ON LEFT SIDE AND 15' ON RIGHT SIDE TRANSFERRING TO A 30' PERMANENT RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF THE NW 1/4 NW 1/4 OF SECTION 21, T153N, R91W, 5th P.M., WHICH BEARS N89°49'23"E 709.36' FROM THE NORTHWEST CORNER OF SAID SECTION 21, THENCE S24°31'27"W 194.73'; THENCE S89°58'37"W 627.50' TO A POINT ON THE WEST LINE OF THE NW 1/4 NW 1/4 OF SAID SECTION 21, WHICH BEARS S00°20'12"E 175.23' FROM THE NORTHWEST CORNER OF SAID SECTION 21. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A C.P.S. OBSERVATION. TEMPORARY RIGHT-OF-WAY CONTAINS 1.888 ACRES MORE OR LESS. PERMANENT RIGHT-OF-WAY CONTAINS 0.566 ACRES MORE OR LESS.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Deane L. Graves II

REGISTERED LAND SURVEYOR
REGISTRATION NO. LS-6609
STATE OF NORTH DAKOTA

SHEET 2 OF 2
SACA-MTS-089



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

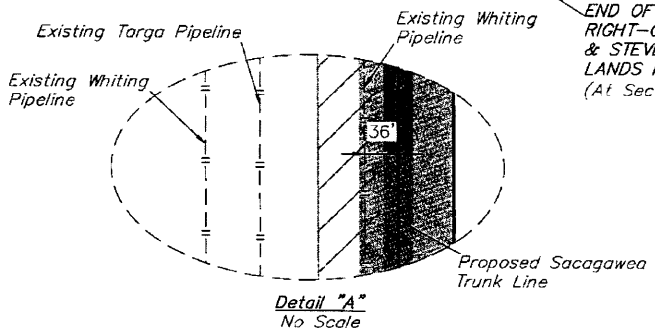
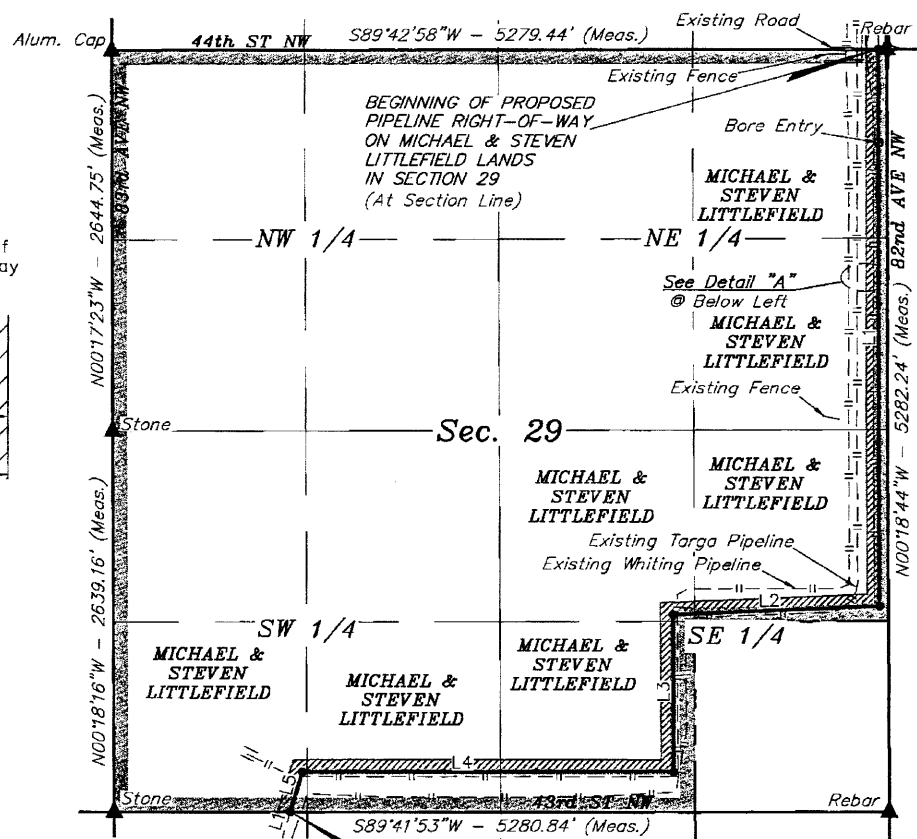
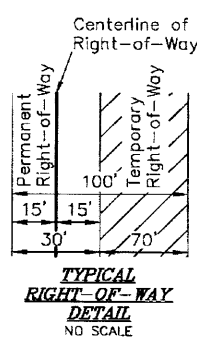
PROJECT DATA	SACAGAWEA PIPELINE COMPANY, LLC
SURVEYED BY: C.H.	SACAGAWEA TRUNK LINE
DRAWN BY: J.J.	PIPELINE RIGHT-OF-WAY ON
DATE: 01-15-14	MICHAEL & STEVEN
REV: 11-04-15 J.J.	LITTLEFIELD LANDS
SCALE: N/A	LOCATED IN
FILE: 55847-JJJ B	SECTION 21, T153N, R91W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA
	PIPELINE RIGHT-OF-WAY PLAT

County Recorder
Mountrail County
Stanley ND

422635



EXHIBIT "A"



END OF PROPOSED PIPELINE RIGHT-OF-WAY ON MICHAEL & STEVEN LITTLEFIELD LANDS IN SECTION 29 (At Section Line)

BEGINNING OF PIPELINE BEARS S89°42'58"W 58.20' FROM THE NORTHEAST CORNER OF SECTION 29, T153N, R91W, 5th P.M.

END OF PIPELINE BEARS N89°41'53"E 1203.59' FROM THE SOUTHWEST CORNER OF SECTION 29, T153N, R91W, 5th P.M.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°18'23"E	3856.26'
L2	S87°21'16"W	1407.44'
L3	S00°20'03"E	1091.73'
L4	S89°44'44"W	2527.51'
L5	S16°41'44"W	291.56'

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DEANE L. GRAVES II
LS-6609
DATE 11-04-15

REGISTERED LAND SURVEYOR
REGISTRATION NO. LS-6609
STATE OF NORTH DAKOTA

▲ = SECTION CORNERS LOCATED.

SHEET 1 OF 2
SACA-MTS-084

RIGHT-OF-WAY LENGTHS					PROJECT DATA		SACAGAWEA PIPELINE COMPANY, LLC SACAGAWEA TRUNK LINE PIPELINE RIGHT-OF-WAY ON MICHAEL & STEVEN LITTLEFIELD LANDS LOCATED IN SECTION 29, T153N, R91W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA PIPELINE RIGHT-OF-WAY PLAT
PROPERTY OWNER	FEET	PERM. ACRES	TEMP. ACRES	RODS	SURVEYED BY: C.H.	DRAWN BY: J.J.	
MICHAEL & STEVEN LITTLEFIELD	9174.50	6.319	21.062	556.03	DATE: 01-15-14	REV: 11-04-15 J.I.	
<p>UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017</p>					SCALE: 1"=1000'	FILE: 5 5 8 4 7-MMM A	
					<p>County Recorder Mountrail County Stanley ND</p>		422635



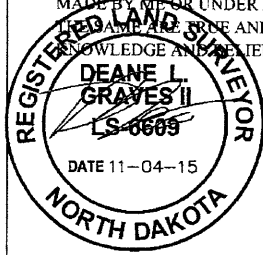
PIPELINE RIGHT-OF-WAY DESCRIPTION

A 100' WIDE TEMPORARY RIGHT-OF-WAY 85' ON RIGHT SIDE AND 15' ON LEFT SIDE TRANSFERRING TO A 30' WIDE PERMANENT RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF THE NE 1/4 NE 1/4 OF SECTION 29, T153N, R91W, 5th P.M. WHICH BEARS S89°42'58"W 58.20' FROM THE NORTHEAST CORNER OF SAID SECTION 29, THENCE S00°18'23"E 3856.26'; THENCE S87°21'16"W 1407.44'; THENCE S00°20'03"E 1091.73'; THENCE S89°44'44"W 2527.51'; THENCE S16°41'44"W 291.56' TO A POINT ON THE SOUTH LINE OF THE SW 1/4 SW 1/4 OF SAID SECTION 29, WHICH BEARS N89°41'53"E 1203.59' FROM THE SOUTHWEST CORNER OF SAID SECTION 29. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. TEMPORARY RIGHT-OF-WAY CONTAINS 21.062 ACRES MORE OR LESS. PERMANENT RIGHT-OF-WAY CONTAINS 6.319 ACRES MORE OR LESS.

THIS SPACE IS RESERVED FOR THE COUNTY RECORDER'S OFFICE

CERTIFICATE
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



DATE 11-04-15
REGISTERED LAND SURVEYOR
REGISTRATION NO. LS-6609
STATE OF NORTH DAKOTA

SHEET 2 OF 2
SACA-MTS-084



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

PROJECT DATA	SACAGAWEA PIPELINE COMPANY, LLC
SURVEYED BY: C.H.	SACAGAWEA TRUNK LINE PIPELINE RIGHT-OF-WAY ON MICHAEL & STEVEN LITTLEFIELD LANDS
DRAWN BY: J.J.	LOCATED IN SECTION 29, T153N, R91W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA
DATE: 01-15-14	PIPELINE RIGHT-OF-WAY PLAT
REV: 11-04-15 J.I.	
SCALE: N/A	
FILE: 5 5 8 4 7-MMM B	

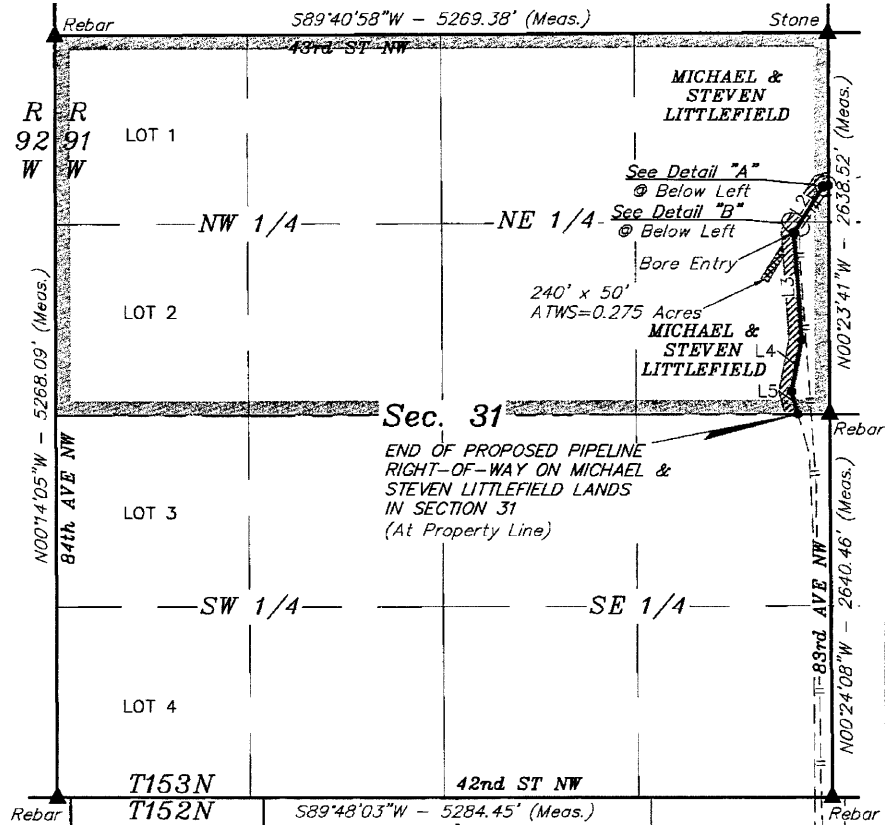
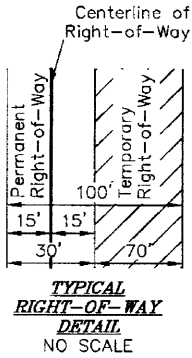
County Recorder
Mountrail County
Stanley ND

422635



▨ = ATWS (Additional Temporary Workspace)

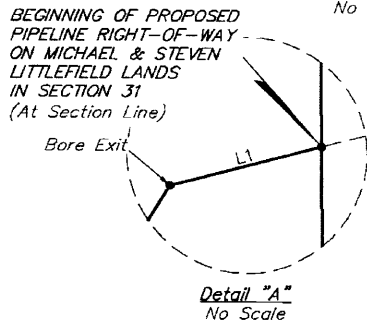
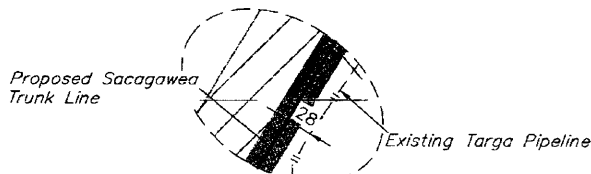
▲ = SECTION CORNERS LOCATED.



BEGINNING OF PROPOSED PIPELINE BEARS S00°23'41"E 1063.05' FROM THE NORTHEAST CORNER OF SECTION 31, T153N, R91W, 5th P.M.

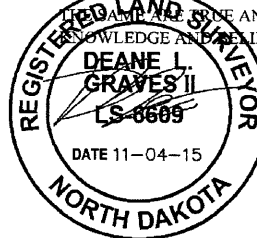
END OF PROPOSED PIPELINE BEARS S89°43'53"W 215.24' FROM THE EAST 1/4 CORNER OF SECTION 31, T153N, R91W, 5th P.M.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S75°11'12"W	40.64'
L2	S31°25'17"W	377.91'
L3	S04°19'17"E	738.90'
L4	S1°05'12"W	356.12'
L5	S15°25'02"E	162.87'



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Deane L. Graves II
REGISTERED LAND SURVEYOR
REGISTRATION NO. LS-6609
STATE OF NORTH DAKOTA

SHEET 1 OF 2

SACA-MTS-082

RIGHT-OF-WAY LENGTHS				
PROPERTY OWNER	FEET	PERM. ACRES	TEMP. ACRES	RODS
MICHAEL & STEVEN LITTLEFIELD	1676.44	1.155	3.849	101.60

PROJECT DATA

SURVEYED BY: C.H.
DRAWN BY: J.J.
DATE: 01-15-14
REV: 11-04-15 J.L.
SCALE: 1"=1000'
FILE: 55847-000 A

SACAGAWEA PIPELINE COMPANY, LLC

SACAGAWEA TRUNK LINE PIPELINE RIGHT-OF-WAY ON MICHAEL & STEVEN LITTLEFIELD LANDS

LOCATED IN SECTION 31, T153N, R91W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA

PIPELINE RIGHT-OF-WAY PLAT



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

County Recorder
Mountrail County
Stanley ND

422635



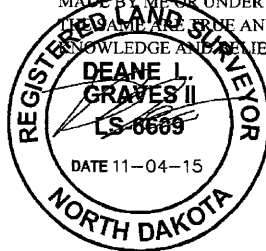
PIPELINE RIGHT-OF-WAY DESCRIPTION

A 100' WIDE TEMPORARY RIGHT-OF-WAY 85' ON THE RIGHT SIDE AND 15' ON THE LEFT SIDE TRANSFERRING TO A 30' WIDE PERMANENT RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE EAST LINE OF THE NE 1/4 NE 1/4 OF SECTION 31, T153N, R91W, 5th P.M., WHICH BEARS S00°23'41"E 1063.05' FROM THE NORTHEAST CORNER OF SAID SECTION 31, THENCE S75°11'12"W 40.64' THENCE S31°25'17"W 377.91'; THENCE S04°19'17"E 738.90'; THENCE S10°51'12"W 356.12'; THENCE S15°25'02"E 162.87' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 NE 1/4 OF SAID SECTION 31, WHICH BEARS S89°43'53"W 215.24' FROM THE EAST 1/4 CORNER OF SAID SECTION 31. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. TEMPORARY RIGHT-OF-WAY CONTAINS 3.849 ACRES MORE OR LESS. PERMANENT RIGHT-OF-WAY CONTAINS 1.155 ACRES MORE OR LESS.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Deane J. Graves II
REGISTERED LAND SURVEYOR
REGISTRATION NO. LS-6609
STATE OF NORTH DAKOTA

SHEET 2 OF 2
SACA-MTS-082

PROJECT DATA	SACAGAWEA PIPELINE COMPANY, LLC
SURVEYED BY: C.H.	SACAGAWEA TRUNK LINE PIPELINE RIGHT-OF-WAY ON MICHAEL & STEVEN LITTLEFIELD LANDS
DRAWN BY: J.J.	LOCATED IN SECTION 31, T153N, R91W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA
DATE: 01-15-14	PIPELINE RIGHT-OF-WAY PLAT
REV: 11-04-15 J.J.	
SCALE: N/A	
FILE: 55847-000 B	

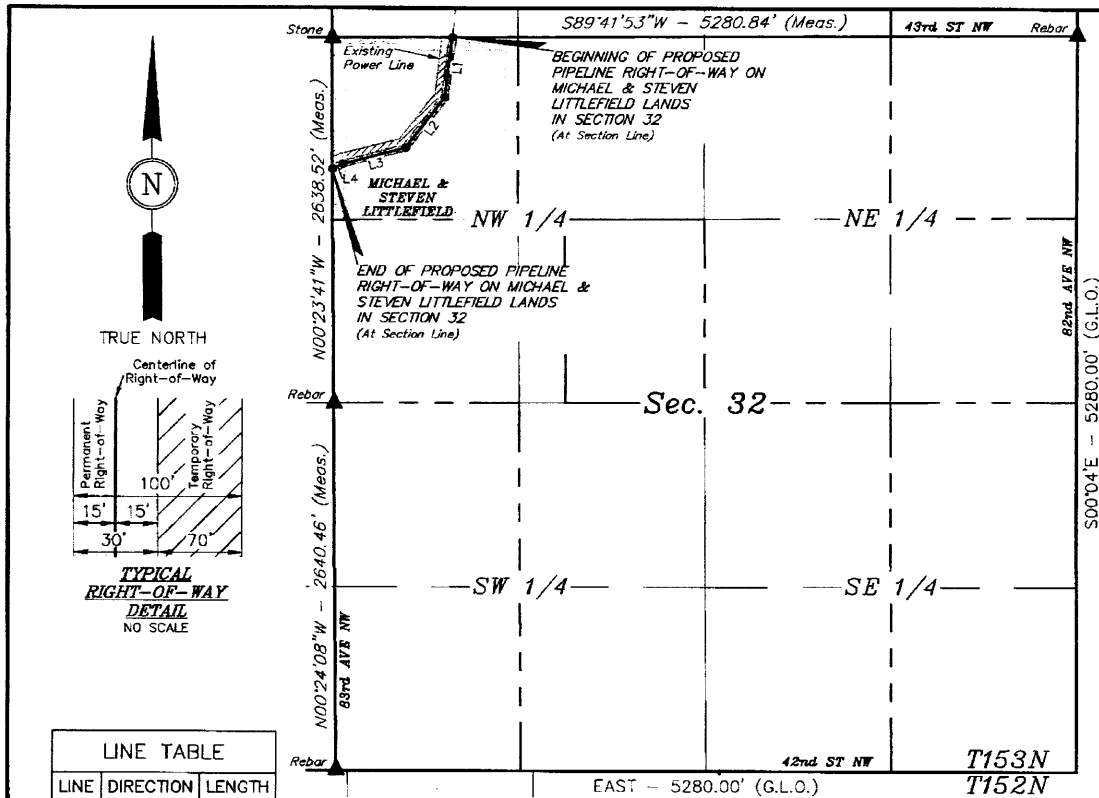


UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

County Recorder
Mountrail County
Stanley ND

422635





LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S06°34'25"W	438.16'
L2	S36°54'07"W	462.75'
L3	S75°17'13"W	458.75'
L4	S63°38'05"W	82.77'

EXHIBIT "A"

BEGINNING OF PROPOSED PIPELINE BEARS N89°41'53"E 852.48' FROM THE NORTHWEST CORNER OF SECTION 32, T153N, R91W, 5th P.M.

END OF PROPOSED PIPELINE BEARS S00°23'41"E 954.13' FROM THE NORTHWEST CORNER OF SECTION 32, T153N, R91W, 5th P.M.

PIPELINE RIGHT-OF-WAY DESCRIPTION

A 100' WIDE TEMPORARY RIGHT-OF-WAY 85' ON RIGHT SIDE AND 15' ON LEFT SIDE TRANSFERRING TO A 30' PERMANENT RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF THE NW 1/4 NW 1/4 OF SECTION 32, T153N, R91W, 5th P.M., WHICH BEARS N89°41'53"E 852.48' FROM THE NORTHWEST CORNER OF SAID SECTION 32, THENCE S06°34'25"W 438.16'; THENCE S36°54'07"W 462.75'; THENCE S75°17'13"W 458.75'; THENCE S63°38'05"W 82.77' TO A POINT ON THE WEST LINE OF THE NW 1/4 NW 1/4 OF SAID SECTION 32, WHICH BEARS S00°23'41"E 954.13' FROM THE NORTHWEST CORNER OF SAID SECTION 32. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES, BASIS OF BEARINGS IS A G.P.S. OBSERVATION. TEMPORARY RIGHT-OF-WAY CONTAINS 3.311 ACRES MORE OR LESS. PERMANENT RIGHT-OF-WAY CONTAINS 0.993 ACRES MORE OR LESS.

▲ = SECTION CORNERS LOCATED.

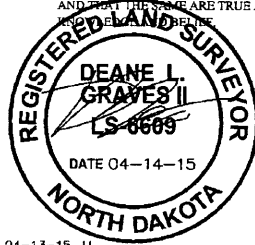
RIGHT-OF-WAY LENGTHS				
PROPERTY OWNER	FEET	TEMP. ACRES	PERM. ACRES	RODS
MICHAEL & STEVEN LITTLEFIELD	1442.43	3.311	0.993	87.42

REV: 04-13-15 J.I.
REV: 02-10-15 C.I.

PROJECT DATA
SURVEYED BY: C.H.
DRAWN BY: J.J.
DATE: 01-15-14
SCALE: 1" = 1000'
FILE: 5 5 8 4 7 - NNN

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Deane I. Graves II
REGISTERED LAND SURVEYOR
REGISTRATION NO. LS-6669
STATE OF NORTH DAKOTA

SACA-MTS-084

UNTAH ENGINEERING & LAND SURVEYING
86 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SACAGAWEA PIPELINE COMPANY, LLC
SACAGAWEA TRUNK LINE PIPELINE RIGHT-OF-WAY ON MICHAEL & STEVEN LITTLEFIELD LANDS
LOCATED IN SECTION 32, T153N, R91W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA

County Recorder
Mountrail County
Stanley ND

422635





MEMORANDUM OF EASEMENT AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

Kenneth and Joan Littlefield, LLP, a North Dakota Limited Partnership, whose address is 7897 46th Street Northwest, New Town, ND 58763, ("Grantor") and Sacagawea Pipeline Company, LLC, a Delaware Limited Liability Company, whose address is 545 E. John Carpenter Freeway, Suite 800, Irving, TX 75062, and its successors and assignees as ("Grantee"), an Easement Agreement dated this 10th day of Nov., 2015 covering lands situated in the County of Mountrail, State of North Dakota, described as follows and more particularly described in **Exhibit "A"** (the "Plat") attached hereto.

Township 153 North, Range 91 West of the 5th P.M.
Section 31: E/2SE/4

AND

Township 152 North, Range 92 West of the 5th P.M.
Section 2: S/2NW/4 and Lot 3
Section 3: E/2SE/4 and SE/4NE/4

AND WHEREAS, original of said Easement Agreement are in the possession of Grantee, where the same may be examined at the above addresses by any person having the lawful right or legitimate interest therein during normal business hours.

NOW THEREFORE, for the consideration set out in said Easement Agreement, Grantor hereby grants unto Grantee, all rights as specified in such agreement into and upon the land covered thereby, being the lands described and referred to above, for the purposes and considerations therein set forth. Reference is hereby made to said Easement Agreement for all purposes and said document is made a part hereof to the same extent and with the same force and effect as though the same were fully and completely incorporated herein.

Executed this 10th day of Nov., 2015.

GRANTOR(S): **Kenneth and Joan Littlefield, LLP, a North Dakota Limited Partnership**

By: Kenneth Littlefield
Kenneth Littlefield

By: Joan Littlefield
Joan Littlefield

GRANTEE: **SACAGAWEA PIPELINE COMPANY, LLC**

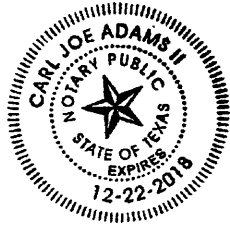
By: Troy Andrews
Troy Andrews
Manager

ACKNOWLEDGEMENT

STATE OF TEXAS §
COUNTY OF DALLAS §

BEFORE ME, the undersigned authority, on this day personally appeared TROY ANDREWS, Manager of the SACAGAWEA PIPELINE COMPANY, LLC, a Delaware Limited Liability Company, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same for the purposes and consideration therein expressed.

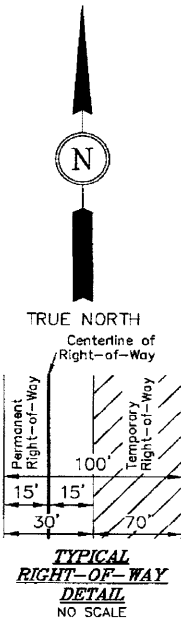
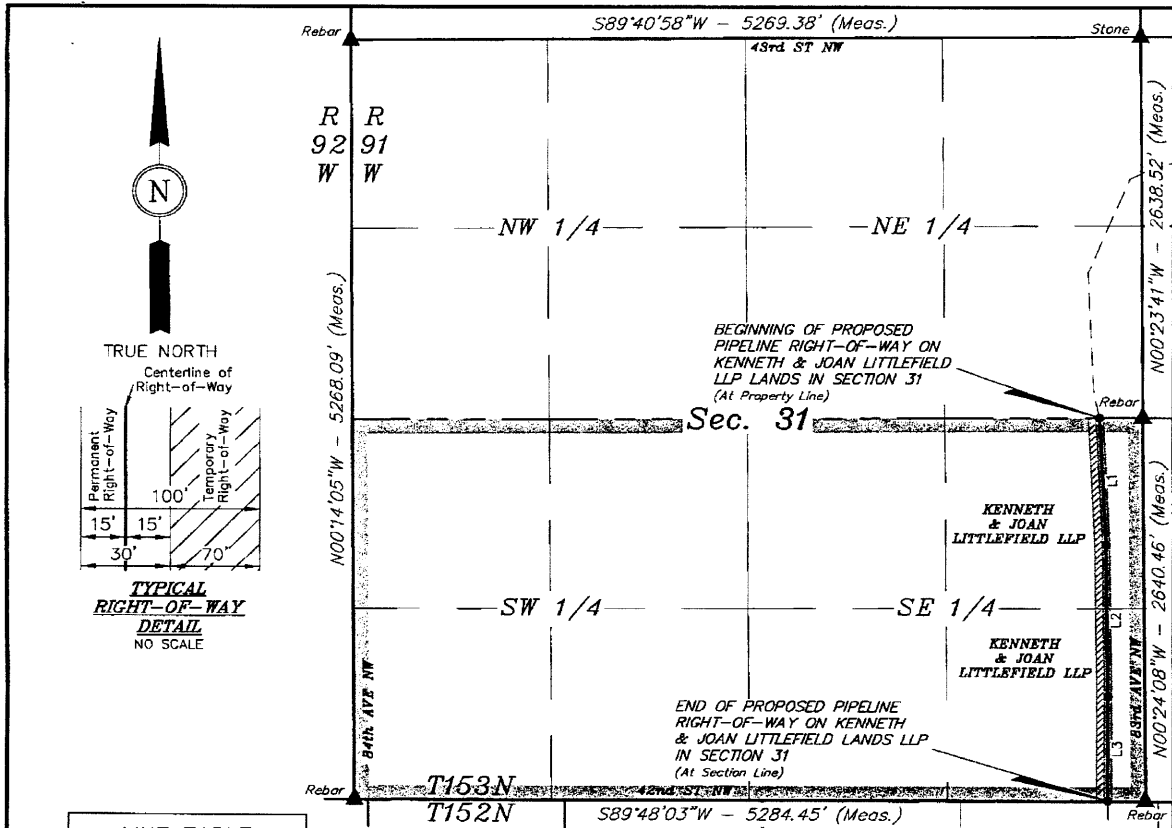
GIVEN UNDER MY HAND AND SEAL OF OFFICE this 17th day of NOVEMBER 2015.



[Signature]
Notary Public in and for the State of TX

CARL JOE ADAMS II
(Print Name of Notary Public Here)





LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S02°46'56\"E	873.05'
L2	S00°41'13\"E	1052.72'
L3	S00°01'01\"W	715.26'

EXHIBIT "A"

BEGINNING OF PROPOSED PIPELINE BEARS S89°43'53\"W 288.75' FROM THE EAST 1/4 CORNER OF SECTION 31, T153N, R91W, 5th P.M.
 END OF PROPOSED PIPELINE BEARS S89°48'03\"W 252.49' FROM THE SOUTHEAST CORNER OF SECTION 31, T153N, R91W, 5th P.M.

PIPELINE RIGHT-OF-WAY DESCRIPTION

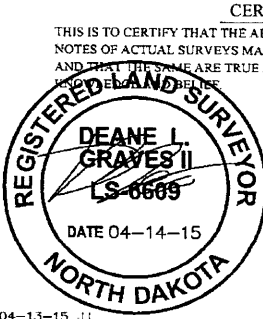
A 100' WIDE TEMPORARY RIGHT-OF-WAY 85' ON RIGHT SIDE AND 15' ON LEFT SIDE TRANSFERRING TO A 30' PERMANENT RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF THE NE 1/4 SE 1/4 OF SECTION 31, T153N, R91W, 5th P.M., WHICH BEARS S89°43'53\"W 288.75' FROM THE EAST 1/4 CORNER OF SAID SECTION 31, THENCE S02°46'56\"E 873.05'; THENCE S00°41'13\"E 1052.72'; THENCE S00°01'01\"W 715.26' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SE 1/4 OF SAID SECTION 31, WHICH BEARS S89°48'03\"W 252.49' FROM THE SOUTHEAST CORNER OF SAID SECTION 31. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. TEMPORARY RIGHT-OF-WAY CONTAINS 5.063 ACRES MORE OR LESS. PERMANENT RIGHT-OF-WAY CONTAINS 1.819 ACRES MORE OR LESS.

▲ = SECTION CORNERS LOCATED.

RIGHT-OF-WAY LENGTHS				
PROPERTY OWNER	FEET	TEMP. ACRES	PERM. ACRES	RODS
KENNETH & JOAN LITTLEFIELD LLP	2641.03	6.063	1.819	160.06

UPLS UTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017



CERTIFICATE
 THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

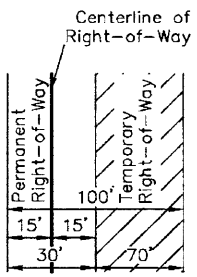
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. LS-6609
 STATE OF NORTH DAKOTA

REV: 04-13-15 J.L. REV: 02-10-15 C.L.	SACA-MTS-081
PROJECT DATA	SACAGAWEA PIPELINE COMPANY, LLC
SURVEYED BY: C.H.	SACAGAWEA TRUNK LINES PIPELINE RIGHT-OF-WAY ON KENNETH & JOAN LITTLEFIELD LLP LANDS
DRAWN BY: J.J.	LOCATED IN SECTION 31, T153N, R91W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA
DATE: 01-15-14	
SCALE: 1" = 1000'	
FILE: 5 5 8 4 7 - PPP	

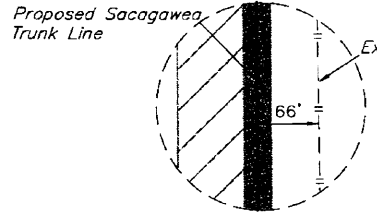
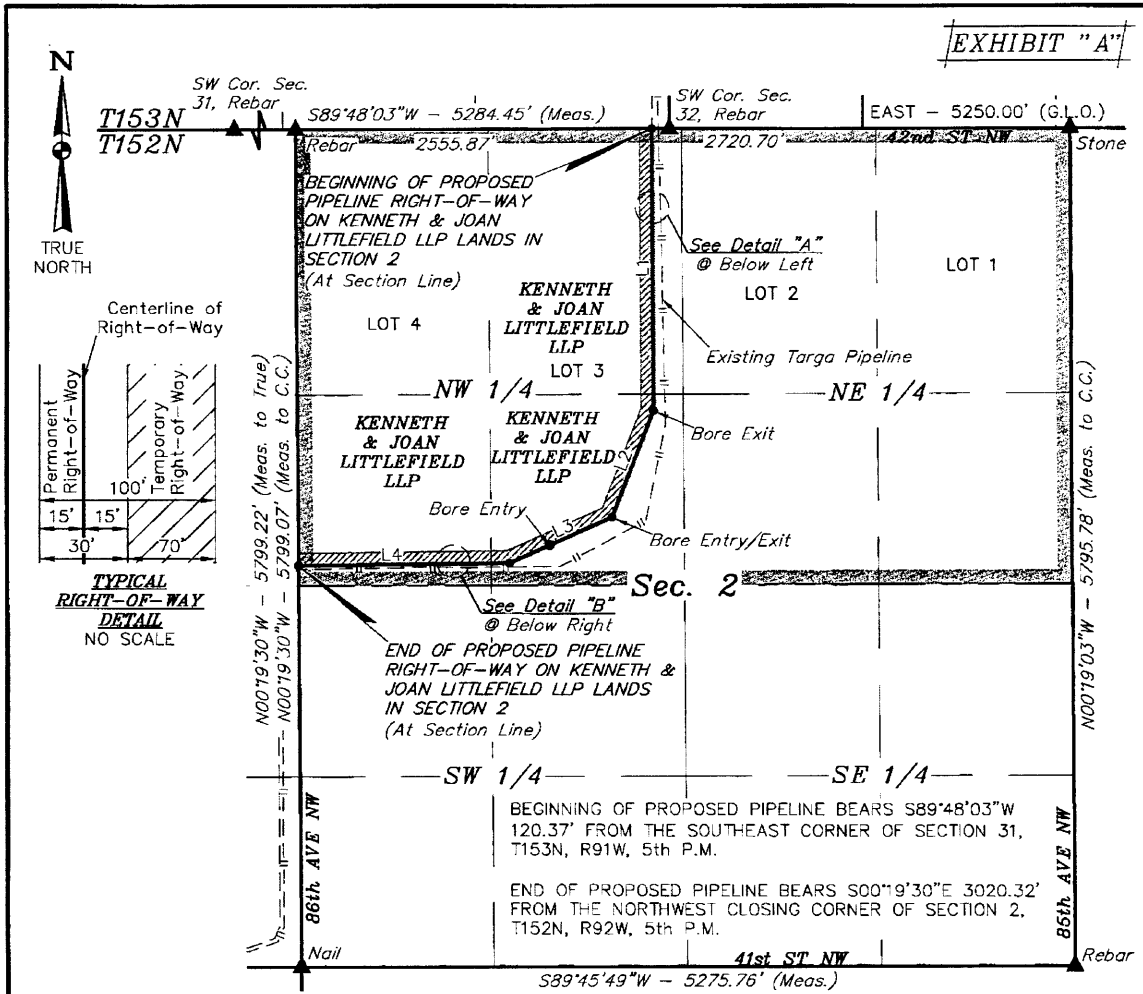
County Recorder
 Mountrail County
 Stanley ND



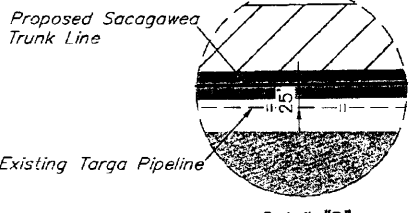
422636



TYPICAL RIGHT-OF-WAY DETAIL
NO SCALE

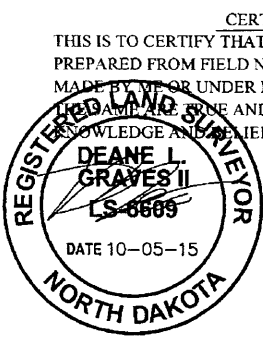


Detail "A"
No Scale



Detail "B"
No Scale

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°18'48"E	1955.34'
L2	S21°03'02"W	788.11'
L3	S65°36'19"W	770.39'
L4	S89°12'42"W	1444.47'



CERTIFICATE
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Deane L. Graves II
REGISTERED LAND SURVEYOR
REGISTRATION NO. LS-6609
STATE OF NORTH DAKOTA

SHEET 1 OF 2
SACA-MTS-081

▲ = SECTION CORNERS LOCATED.

RIGHT-OF-WAY LENGTHS					PROJECT DATA		SACAGAWEA PIPELINE COMPANY, LLC SACAGAWEA TRUNK LINE PIPELINE RIGHT-OF-WAY ON KENNETH & JOAN LITTLEFIELD LLP LANDS LOCATED IN SECTION 2, T152N, R92W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA
PROPERTY OWNER	FEET	PERM. ACRES	TEMP. ACRES	RODS	SURVEYED BY: C.H.	DRAWN BY: J.J.	
KENNETH & JOAN LITTLEFIELD LLP	4958.31	3.415	11.383	300.50	DATE: 01-15-14	REV: 10-29-15 J.I.	
UINTEAH ENGINEERING & LAND SURVEYING UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017					SCALE: 1"=1000'	FILE: 55847-QQ A	
					PIPELINE RIGHT-OF-WAY PLAT		

County Recorder
Mountrail County
Stanley ND

422636



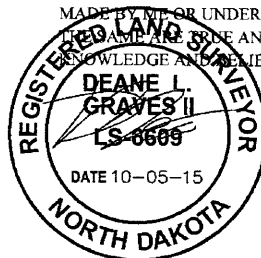
PIPELINE RIGHT-OF-WAY DESCRIPTION

A 100' WIDE TEMPORARY RIGHT-OF-WAY 85' ON RIGHT SIDE AND 15' ON LEFT SIDE TRANSFERRING TO A 30' PERMANENT RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF LOT 3 OF SECTION 2, T152N, R92W, 5th P.M., WHICH BEARS S89°48'03"W 120.37' FROM THE SOUTHEAST CORNER OF SECTION 31, T153N, R91W, 5th P.M. THENCE S00°18'48"E 1955.34'; THENCE S21°03'02"W 788.11'; THENCE S65°36'19"W 770.39'; THENCE S89°12'42"W 1444.47' TO A POINT ON THE WEST LINE OF THE SW 1/4 NW 1/4 OF SAID SECTION 2, WHICH BEARS S00°19'30"E 3020.32' FROM THE NORTHWEST CLOSING CORNER OF SAID SECTION 2. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. TEMPORARY RIGHT-OF-WAY CONTAINS 11.383 ACRES MORE OR LESS. PERMANENT RIGHT-OF-WAY CONTAINS 3.415 ACRES MORE OR LESS.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Deane L. Graves II

REGISTERED LAND SURVEYOR
REGISTRATION NO. LS-6609
STATE OF NORTH DAKOTA

SHEET 2 OF 2

SACA-MTS-081

PROJECT DATA	SACAGAWEA PIPELINE COMPANY, LLC
SURVEYED BY: C.H.	SACAGAWEA TRUNK LINE
DRAWN BY: J.J.	PIPELINE RIGHT-OF-WAY ON
DATE: 01-15-14	KENNETH & JOAN
REV: 10-29-15 J.I.	LITTLEFIELD LLP LANDS
SCALE: N/A	LOCATED IN
FILE: 55847-QQQ B	SECTION 2, T152N, R92W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

PIPELINE RIGHT-OF-WAY PLAT

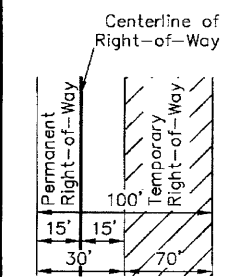
County Recorder
Mountrail County
Stanley ND

422636

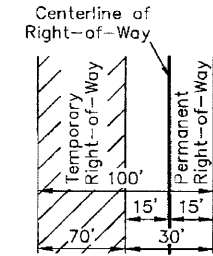


▨ = ATWS (Additional Temporary Workspace)

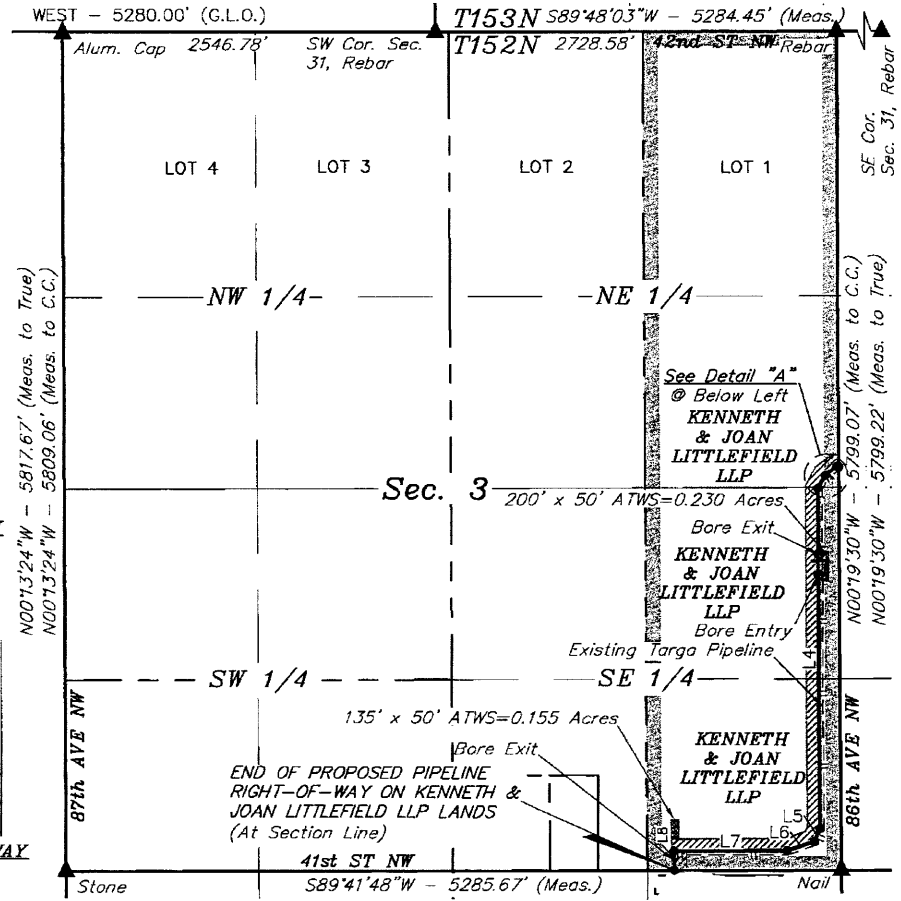
EXHIBIT "A"



TYPICAL RIGHT-OF-WAY DETAIL FOR L1-L2
NO SCALE



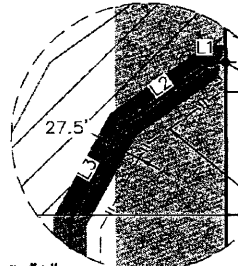
TYPICAL RIGHT-OF-WAY DETAIL FOR L3
NO SCALE



BEGINNING OF PROPOSED PIPELINE BEARS
S00°19'30"E 3020.32' FROM THE NORTHEAST CLOSING
CORNER OF SECTION 3, T152N, R92W, 5th P.M.

RIGHT-OF-WAY CHANGE BEARS N83°37'00"W 1146.89'
FROM THE SOUTHEAST CORNER OF SECTION 3,
T152N, R92W, 5th P.M.

END OF PROPOSED PIPELINE BEARS S89°41'48"W
1138.05' FROM THE SOUTHEAST CORNER OF SECTION
3, T152N, R92W, 5th P.M.



BEGINNING OF PROPOSED
PIPELINE RIGHT-OF-WAY
ON KENNETH & JOAN
LITTLEFIELD LLP LANDS
(At Section Line)

Existing Targa Pipeline

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°12'42"W	13.40'
L2	S53°50'41"W	98.69'
L3	S28°16'07"W	100.18'
L4	S00°13'47"E	2348.82'
L5	S23°00'56"W	94.18'
L6	S70°55'12"W	196.94'
L7	S89°39'02"W	769.97'
L8	S00°44'51"E	133.82'

Detail "A"
No Scale

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY
KNOWLEDGE AND BELIEF.

DEANE L. GRAVES II
REGISTERED LAND SURVEYOR
LS-6609
DATE 11-04-15

Deane L. Graves II
REGISTERED LAND SURVEYOR
REGISTRATION NO. LS-6609
STATE OF NORTH DAKOTA

SHEET 1 OF 2

▲ = SECTION CORNERS LOCATED.

SACA-MTS-081

RIGHT-OF-WAY LENGTHS					PROJECT DATA		SACAGAWEA PIPELINE COMPANY, LLC
PROPERTY OWNER	FEET	PERM. ACRES	TEMP. ACRES	RODS	SURVEYED BY: C.H.	DRAWN BY: J.J.	
KENNETH & JOAN LITTLEFIELD LLP	3756.00	2.587	8.623	227.64	DATE: 01-15-14		
<p>UELS, LLC Corporate Office * 85 South 200 East Vernal, UT 84078 * (435) 789-1017</p>					REV: 11-04-15 J.I.	LOCATED IN SECTION 3, T152N, R92W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA	PIPELINE RIGHT-OF-WAY PLAT
					SCALE: 1"=1000'		
					FILE: 55847-RRR A		

County Recorder
Mountrail County
Stanley ND

422636

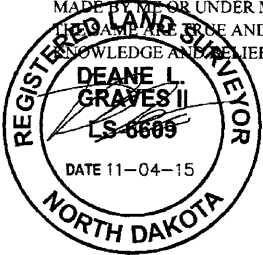


PIPELINE RIGHT-OF-WAY DESCRIPTION

BEGINNING AT A POINT ON THE EAST LINE OF THE SE 1/4 NE 1/4 OF SECTION 3, T152N, R92W, 5th P.M., WHICH BEARS S00°19'30"E 3020.32' FROM THE NORTHEAST CLOSING CORNER OF SAID SECTION 3, THENCE A 100' WIDE TEMPORARY RIGHT-OF-WAY 85' ON RIGHT SIDE AND 15' ON LEFT SIDE TRANSFERRING TO A 30' WIDE PERMANENT RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE. S89°12'42"W 13.40'; THENCE S53°50'41"W 98.69'; THENCE S28°16'07"W 100.18'; THENCE S00°13'47"E 2348.82'; THENCE S23°00'56"W 94.18'; THENCE S70°55'12"W 196.94'; THENCE S89°39'02"W 769.97' TO A POINT IN THE SE 1/4 SE 1/4 OF SAID SECTION 3, WHICH BEARS N83°37'00"W 1146.89' FROM THE SOUTHEAST CORNER OF SAID SECTION 3, THENCE A 100' WIDE TEMPORARY RIGHT-OF-WAY 85' ON LEFT SIDE AND 15' ON RIGHT SIDE TRANSFERRING TO A 30' WIDE PERMANENT RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE. S00°44'51"E 133.82' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SE 1/4 OF SAID SECTION 3, WHICH BEARS S89°41'48"W 1138.05' FROM THE SOUTHEAST CORNER OF SECTION 3. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. TEMPORARY RIGHT-OF-WAY CONTAINS 8.623 ACRES MORE OR LESS. PERMANENT RIGHT-OF-WAY CONTAINS 2.587 ACRES MORE OR LESS.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Deane L. Graves II

REGISTERED LAND SURVEYOR
REGISTRATION NO. LS-6609
STATE OF NORTH DAKOTA

SHEET 2 OF 2

SACA-MTS-081

PROJECT DATA	SACAGAWEA PIPELINE COMPANY, LLC
SURVEYED BY: C.H.	SACAGAWEA TRUNK LINE PIPELINE RIGHT-OF-WAY ON KENNETH & JOAN LITTLEFIELD LLP LANDS
DRAWN BY: JJ.	LOCATED IN SECTION 3, T152N, R92W, 5th P.M., MOUNTRAIL COUNTY, NORTH DAKOTA
DATE: 01-15-14	PIPELINE RIGHT-OF-WAY PLAT
REV: 11-04-15 J.L.	
SCALE: 1"=1000'	
FILE: 55847-RRR B	



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

County Recorder
Mountrail County
Stanley ND

422636



May 6, 2016

Jason Stelzer
Paradigm Energy Partners, LLC
545 E. John Carpenter Freeway, Suite 800
Irving, TX 75062

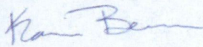
Sacagawea Pipeline Company, LLC – Sacagawea Pipeline Project, Littlefield Reroute

A proposed Sacagawea Pipeline Project reroute (Littlefield Reroute) was surveyed on March, 23, 2016 in Sections 20 & 29 T153N, R91W. The Supplemental Survey completed in this area was approximately 18 acres and is approximately 7 miles northeast of the city of New Town, North Dakota.

Keitu Engineers & Consultants, Inc. (Keitu) conducted a natural resources field survey in order to identify exclusion and avoidance areas as specified in the North Dakota Administrative Code 69-06-08-02 for the proposed Littlefield Reroute. When Keitu conducts natural resources field surveys a concurrent threatened and endangered species survey and habitat assessment; a tree, sapling and shrub survey, and a noxious weed survey is completed.

During this field survey, Keitu did not identify any exclusion and avoidance areas. Keitu also did not identify any other areas of concern during the natural resources field survey for the proposed Littlefield Reroute.

As always, Keitu appreciates the opportunity to assist our client and the regulatory agencies with compliance. If you have any questions on this matter I can be reached at (701) 667-1800 ext. 117 or via email at kbecker@keitu.com.



Karine Becker
Project Manager

May 10, 2016

Mr. Darrell Nitschke
Executive Secretary
North Dakota Public Service Commission
600 E. Boulevard, Dept. 408 Bismarck, ND 58505-0480

Sacagawea Pipeline Company, LLC – Sacagawea Pipeline Project, Littlefield Reroute

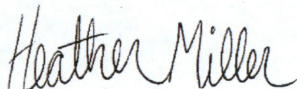
Sacagawea Pipeline Company, LLC (“Sacagawea”) has proposed a reroute on the Sacagawea Pipeline Project in Section 22 T152N, R92W to be known as the Littlefield Reroute. Sacagawea engaged Keitu Engineers & Consultants, Inc. (“Keitu”) to review the survey information submitted in conjunction with the original application, as well as perform any additional environmental and cultural resource siting studies required.

Keitu performed an additional environmental survey on March, 23, 2016. Keitu conducted a database search for all other exclusion or avoidance criteria, as outlined in the North Dakota Administrative Code, along the Littlefield Reroute. Items reviewed included federal and state parks, protected and sensitive plants and animals, and civil and social structures such as recreational areas, rural homes, and farmsteads.

Keitu engaged Metcalf Archaeological Consultants, Inc. to perform a supplemental Class III cultural resource inventory on a 200-foot-wide corridor on March 31, 2016. No other cultural resources (i.e., sites, buildings, structures, objects, or districts that are at least 50 years in age) were encountered during the inventory. A SHPO concurrence letter was received on April 18, 2016.

During the review of available information and supplemental field surveys, no exclusion and avoidance areas were found that will be impacted by the proposed Littlefield Reroute.

As always, Keitu appreciates the opportunity to assist our client and the regulatory agencies with compliance. If you have any questions on this matter I can be reached at (701) 667-1808 ext 113 or via email at hmill@keitu.com.



Heather Miller
Staff Engineer



**16-inch Crude Oil Pipeline – McKenzie & Mountrail Counties
Siting Application**

CASE NO. PU-15-114

**Addendum II to the Class I and Class III Cultural Resource Inventory of the Paradigm
Sacagawea Pipeline in McKenzie and Mountrail Counties, North Dakota**

PRIVILEGED

NOT FOR INTERNET PUBLICATION

EXHIBIT F

MANUSCRIPT DATA RECORD FORM

1. Manuscript Number:
2. SHPO Reference #:
3. Author(s): Debra Green
4. Title: Addendum II to the Class I and Class III Cultural Resource Inventory of the Paradigm Sacagawea Pipeline in McKenzie and Mountrail Counties, North Dakota.
5. Report Date: April 2016
6. Number of Pages: 14
7. Type: I
8. List formally tested or excavated sites (not probes): N/A
9. Acres: 29
10. Legal Location(s):

County	TWP	R	SEC	SU
Mountrail	152N	92W	22	GA
Mountrail	153N	91W	20, 29	GA



Small Survey Report

Submitted by Metcalf Archaeological Consultants, Inc.

PO Box 2154, Bismarck, North Dakota 58502

Phone: (701) 258-1215, Email: macnodak@metcalfarchaeology.com

1. **Report Title:** Addendum II to the Class I and Class III Cultural Resource Inventory of the Paradigm Sacagawea Pipeline in McKenzie and Mountrail Counties, North Dakota.
2. **Cultural Resource Permit Number/ NDSHPO Project #:**
3. **Author:** Debra Green
4. **Report Date:** April 2016
5. **Description of Undertaking:** Paradigm Energy Partners, LLC proposes two re-routes to their proposed Sacagawea transmission pipeline in McKenzie and Mountrail County, North Dakota. Keitu Engineers and Consultants (Keitu) was tasked to develop data review by regulatory agencies for the transmission pipeline re-routes identified during the course of construction. Metcalf Archaeological Consultants, Inc. (Metcalf) was contracted by Keitu to conduct a Class III cultural resource inventory of the two proposed re-route corridors. The project is under the approval of the North Dakota Public Service Commission (ND PSC), and as such, is responsible to protect cultural resources under NDAC 69-06-08-02.1(b) and/or NDAC 69-06-08-02.2(a) and/or NDAC 69-06-08-02.2(c). The objective of the inventory was to locate any cultural resources within the undertaking's area of potential effects (APE), determine whether those resources qualify for inclusion in the National Register of Historic Places (NRHP), and assess the effect that the undertaking may have on those cultural resources that do qualify for inclusion in the NRHP. Metcalf archaeologists inventoried two 200 foot wide linear corridors, one 0.9 miles long and the second 0.3 miles long, encompassing a total of 29 acres.
6. **Legal Location of Undertaking Area of Potential Effects (APE):** The pipeline re-routes are located in separate areas of the proposed project area. The first re-route is less than 1.5 miles southeast of New Town in McKenzie County, North Dakota. The legal location is Section 22, T. 152N, R. 92W. The second re-route is located approximately 6.25 miles northeast of New Town, in Mountrail County, North Dakota. The legal location is Sections 20 and 29, T. 153N, R. 91W. The general location is depicted in Figure 1. The APE, cultural resources, and previous surveys are depicted on the relevant portions of the USGS 7.5' New Town Quad (1981), Belden SW (1981), and Belden SE (1981) quadrangle maps (Maps 1-4).



Small Survey Report

Submitted by Metcalf Archaeological Consultants, Inc.

PO Box 2154, Bismarck, North Dakota 58502

Phone: (701) 258-1215, Email: macnodak@metcalfarchaeology.com

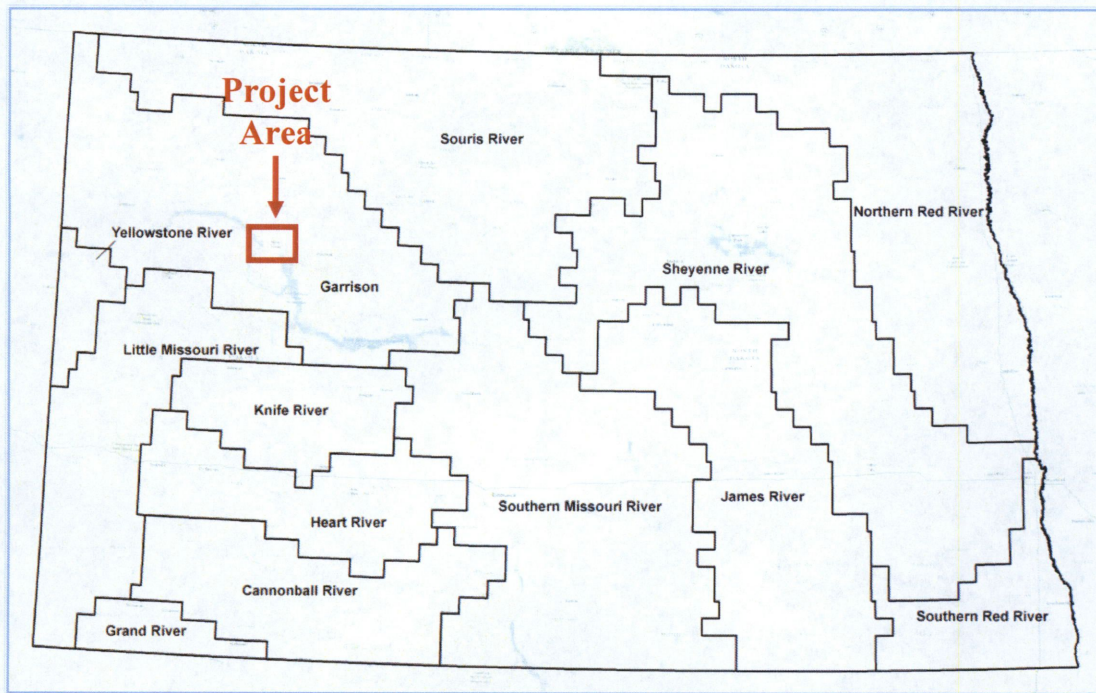


Figure 1: The general location of the project area depicted on a map of North Dakota.

7. **Acreage:** 29
8. **Project Sponsor:** Keitu Engineers & Consultants, Mandan, North Dakota
9. **Records Search Results** On March 28, 2016, prior to the Class III inventory, Metcalf staff Erica Scherr searched the site and manuscript files at the State Historical Society of North Dakota to determine whether any cultural resources have been recorded and whether any cultural resource inventories have been conducted within the APE and the surrounding mile.

The site files search revealed that 56 cultural resources have been recorded in the search area (Table 1). These resources consist of four architectural sites, nine postcontact sites, three postcontact leads, 31 precontact (prehistoric) sites, three precontact isolated finds, five precontact site leads, and one precontact site with a postcontact (historic) component. No cultural resources overlap the project area. The nearest site, 32MNx111, a prehistoric site lead, borders the north re-route corridor to the northeast. The site lead has not been evaluated for eligibility for the NRHP and no evidence of the site was seen during the survey.

The manuscript files search revealed that 30 cultural resource inventories have been conducted in the search area (Table 2). These projects consist of 11 oil and gas



Small Survey Report

Submitted by Metcalf Archaeological Consultants, Inc.

PO Box 2154, Bismarck, North Dakota 58502

Phone: (701) 258-1215, Email: macnodak@metcalfarchaeology.com

development, 12 transportation projects, four water projects, two U.S. Army Corps of Engineers land management projects, and one associated with a Bureau of Land Management permit. Six surveys, MS #12029, MS #12127, MS #15127, MS #15704, MS #15343, and MS #15882, overlap the project block. MS #12127, MS #15343, MS #15704, and MS #15882, surveys for oil and gas pipeline projects, border the north re-route corridor. MS #12029, a survey for a water pipeline project, and MS #15343, and MS #15704, surveys for oil and gas pipeline projects, border the New Town re-route corridor.

Table 1: Site Files Search Results – Keitu – Paradigm Fence and Monitoring Project				
T/R-Section	SITS #	Site Type-Description	Recorder, Date	MS #
152/092-15	32MN0798	Historical-chimney, depression, dugout, dump, foundation, cultural material scatter- glass, masonry, metal, plastic, rubber, wood	Burns, 2009	012029, 012794, 013573, 013896, 015343, 015685, 015704, 015882, 016170, 016581
	32MN0854	Historical-depression, wood	Morrison, 2010; Stine, 2012	
	32MN0896	Architectural-grain storage	Fekete, 2011	
	32MN0897	Archaeological-cairn, stone circle/arc effigy	Fekete, 2011	
	32MN0984	Archaeological-cairn	Stine, 2012	
	32MN0985	Archaeological-cairn	Stine, 2012	
	32MN0986	Archaeological-cairn	Stine, 2012	
	32MN1081	Archaeological-stone alignment	Williams, 2013	
	32MN1082	Archaeological-stone alignment, earthworks/mound	Herzog, 2013	
	32MN1083	Archaeological-stone circle, cairn	Herzog, 2013	
	32MN1321	Archaeological-cairn, stone circle	Homan/Yost, 2014	
	32MNx0552	Archaeological-isolated find: projectile point	Burns, 2009	
32MNx0881	Historical-site lead: machinery, dump, metal, wood	Stine, 2012		
152/092-16	32MN0852	Archaeological-stone circle	Morrison, 2010; Banks, 2011; Stine, 2012	006758, 012029, 012794, 013246, 013892, 013894, 013896, 014107, 014465, 016170, 016581
	32MN0853	Archaeological-cairn, stone circle, linear stone alignment, 'v' shaped stone arrangement *now includes site 32MN912	Morrison, 2010; Banks, 2011; Bluemle, 2012; Stine, 2012	
	32MN0911	Archaeological-stone circle	Banks, 2011; Stine, 2012	
	32MN0931	Historical-depression, foundation, borrow pit, machinery, cultural material scatter- glass, metal	Bluemle, 2012; Stine, 2012	
	32MN0932	Archaeological-stone circle	Bluemle, 2012; Stine, 2012	
	32MN0949	Archaeological-cairn	Livers/Kinsey, 2012	



Small Survey Report

Submitted by Metcalf Archaeological Consultants, Inc.

PO Box 2154, Bismarck, North Dakota 58502

Phone: (701) 258-1215, Email: macnodak@metcalfarchaeology.com

Table 1: Site Files Search Results – Keitu – Paradigm Fence and Monitoring Project				
T/R-Section	SITS #	Site Type-Description	Recorder, Date	MS #
	32MN0950	Archaeological-cairn	Livers/Kinsey, 2012	
	32MN0991	Historical-foundation, depression, cultural material scatter- glass, masonry, metal	Stine, 2012	
	32MN0992	Archaeological-stone circle	Stine, 2012	
	32MN0993	Archaeological-stone circle	Stine, 2012	
	32MN0994	Historical-depression, machinery, dump, cultural material scatter- glass, metal, rubber, wood	Stine, 2012	
	32MN0995	Architectural-pump house	Stine, 2012	
	32MNx0781	Historical-site lead: mine (no evidence located-2014)	Thorson, 1990; Brooks, 2014	
	32MNx0782	Historical-site lead: mine (no evidence located-2014)	Thorson, 1990; Brooks, 2014	
	32MNx0870	Archaeological-site lead: stone circle	Livers/Kinsey, 2012	
	32MNx0884	Archaeological-isolated find: chipped stone	Stine, 2012	
152/092-21	32MN0818	Historical-Soo Line Railroad, earthworks, masonry, metal	Barth, 2009; Dodson, 2015	012029, 012794, 013846, 015343, 015685, 015704, 016170
	32MN0829	Archaeological-cairn	Leuchtman/Fox, 2010	
	32MN1078	Historical-depression, machinery, metal (destroyed-2014)	Kulevsky, 2013; Brooks, 2014	
152/092-22	32MN0256	Archaeological-stone circle	Lippincott, 1985; Homan, 2011	005325, 012029, 012794, 013846, 015343, 015580, 015685, 015704, 015882, 016170
	32MN0818	Historical-Soo Line Railroad, earthworks, masonry, metal	Barth, 2009; Dodson, 2015	
152/092-23	32MN0254	Archaeological-cultural material scatter- chipped stone, projectile point, faunal remains	Lippincott, 1985; Homan, 2011; Clark/Homan, 2014	003172, 003385, 005325, 006599, 011750, 012794, 015580, 016170
	32MN0511	Archaeological-stone circle, chipped stone	Stine, 1995	
	32MN0847	Archaeological-cairn	Morrison, 2010	
	32MN0848	Archaeological-cairn	Morrison, 2010	
	32MN0849	Archaeological-stone circle, cairn	Morrison, 2010	
	32MN0850	Archaeological-stone circle	Morrison, 2010	
	32MN0851	Archaeological-cairn	Morrison, 2010	
	32MN0895	Archaeological-cairn	Fekete, 2011	
	32MN1350	Architectural-cattle stockade, Historical-cattle head gate, feed trough, barbed wire, wooden fencing, metal barrel	Hunt, 2015	
	32MNx0066	Archaeological-site lead: cultural material scatter	Benson, 1980	
152/092-27	32MN0257	Archaeological-stone circle	Lippincott, 1985; Homan, 2011	005325, 015580
	32MN0258	Archaeological-stone circle, cairn	Lippincott, 1985; Homan, 2011; Clark/Williams/Vega,	



Small Survey Report

Submitted by Metcalf Archaeological Consultants, Inc.

PO Box 2154, Bismarck, North Dakota 58502

Phone: (701) 258-1215, Email: macnodak@metcalfarchaeology.com

Table 1: Site Files Search Results – Keitu – Paradigm Fence and Monitoring Project				
T/R-Section	SITS #	Site Type-Description	Recorder, Date	MS #
			2014	
	32MN0259	Archaeological-stone circle	Lippincott, 1985; Homan, 2011	
	32MN0275	Archaeological-stone circle	Lippincott, 1985; Delmas et al., 2011	
	32MN0276	Archaeological-stone circle (site not relocated in 2011)	Lippincott, 1985; Homan, 2011	
	32MN0351	Multicomponent site: Archaeological-cultural material scatter- projectile point, chipped stone, Historical-depression	Lippincott, 1985; Homan, 2011	
	32MNx0067	Archaeological-site lead: cultural material scatter	Benson, 1980	
	32MNx0691	Archaeological-isolated find: chipped stone	Lippincott, 1985	
152/092-28	No Sites			011158, 011971, 015704
153/091-16	32MNx0110	Archaeological-site lead: cultural material scatter	Hecker, 1938	015343, 015704, 015882
153/091-17	No Sites/No Surveys			
153/091-20	No Sites			015343, 015704, 015882
153/091-21	32MNx0111	Archaeological-site lead: cultural material scatter	Hecker, 1938	015343, 015704
153/091-28	No Sites			010277, 014136
153/091-29	No Sites			010277, 015343, 015704
153/091-32	No Sites			010277, 010425, 011927, 015343, 015704
153/091-33	32MN1325	Historical-depression	Brooks, 2015	010277, 010425, 013433, 014136

Table 2: Manuscript Files Search Results – Keitu – Paradigm Fence and Monitoring Project	
MS #	Reference
003172	Schreiner, M. 1982 AHL 31(5) Road Improvement Project – HASI Project No. 8209 (Road Improvement ROW Survey), Mountrail County, North Dakota
003385	Gnabasik, V. 1983 BLM Title Request to Number M53064, North Dakota Cultural Resources Survey, Lake Sakakawea, Mountrail County, North Dakota
005325	Winham, R., K. Lippincott, and E. Lueck 1987 Cultural Resource Reconnaissance of U.S. Army Corps of Engineers Land Alongside Lake Sakakawea in Mountrail County, North Dakota
006599	Kulevsky, A. 1995 IHS Stubstad Water Project: A Class III Cultural Resource Inventory in Mountrail County,



Small Survey Report

Submitted by Metcalf Archaeological Consultants, Inc.

PO Box 2154, Bismarck, North Dakota 58502

Phone: (701) 258-1215, Email: macnodak@metcalfarchaeology.com

Table 2: Manuscript Files Search Results – Keitu – Paradigm Fence and Monitoring Project	
MS #	Reference
	North Dakota
006758	Klinner, D. 1996 The Bakersfield Streets and Cemetery Road at Fort Berthold Indian Reservation, Mountrail and McKenzie Counties, North Dakota: Results of a Class III Cultural Resources Inventory UW#1843
010277	Klinner, D. 2007 Locken 14-28H Well Pad: A Class III Cultural Resource Inventory, Mountrail County, North Dakota
010425	Klinner, D. 2008 Annala 12-33H Well Pad and Access Road: A Class III Cultural Resource Inventory, Mountrail County, North Dakota
011158	O'Donchadha, B., M. Shropshire, C. Herson, and B. Seuss 2009 Fort Berthold Rural Water– New Town 1 Pipeline: A Class III Cultural Resource Inventory in Mountrail County, North Dakota
011750	Morrison, J. 2010 Orca Federal 1-23-26H Well Pad and Access Road: Class III Cultural Resource Inventory, Mountrail County, North Dakota
011927	Wermers, G. 2010 MN-1041 Class III Inventory Report, Mountrail County, North Dakota
011971	Smith, N. 2011 A Class I and Class III Cultural Resource Inventory of the Slawson Water Disposal Well- Fox 1-28SWD on Fee Land Within the Boundaries of Fort Berthold Indian Reservation, Mountrail County, North Dakota
012029	Morrison, J. 2010 New Town Area 2 Water Supply Project: Class III Cultural Resource Inventory, Mountrail County, North Dakota and Addendum
012794	Suess, B. and W. Burns 2011 Highway 23 Right-of-Way Survey from New Town (RP 49.92) to the Ward County Line (RP78.4): A Class III Cultural Resource Inventory in Mountrail County, North Dakota
013246	Banks, K. and W. Bluemle 2012 Addendum-The Northeast Extension of the New Town By-Pass: A Class III Cultural Resource Inventory on the Fort Berthold Reservation, Mountrail County, North Dakota
013433	Burns, W. 2012 Selma 21-33TFH and Levi 21-33H Well Pad and Access Road: A Class III Cultural Resource Inventory in Mountrail County, North Dakota
013573	Livers, M. and M. Kinsey 2012 WPX Energy's Pennington 16-15H Well Pad Expansion (#130): A Class III Cultural Resource Inventory, Fort Berthold Reservation, Mountrail County, North Dakota
013846	Stine, E. 2012 Unimin New Town Terminal: A Class III Cultural Resource Inventory on the Fort Berthold Reservation in Mountrail County, North Dakota
013892	Banks, K. 2012 The New Town By-Pass: A Class III Cultural Resource Inventory on the Fort Berthold Reservation, Mountrail County, North Dakota PCN 19804
013894	Kinsey, M. 2012 The Northeast Extension of the New Town By-Pass-Addendum 2: A Class III Cultural Resource Inventory on the Fort Berthold Reservation, Mountrail County, North Dakota: PCN 19804
013896	Stine, E. 2012 The Northeast Extension of the New Town By-Pass- Addendum 3: A Class III Cultural



Small Survey Report

Submitted by Metcalf Archaeological Consultants, Inc.
PO Box 2154, Bismarck, North Dakota 58502

Phone: (701) 258-1215, Email: macnodak@metcalfarchaeology.com

Table 2: Manuscript Files Search Results – Keitu – Paradigm Fence and Monitoring Project	
MS #	Reference
	Resource Inventory on the Fort Berthold Reservation, Mountrail County, North Dakota
014107	Bluemle, B. 2013 The Northeast Extension of the New Town By-Pass – Addendum 4: A Class III Cultural Resource Inventory on the Fort Berthold Reservation, Mountrail County, North Dakota
014136	Burns, C. 2013 Selma Fed. 21-33 TFH and Levi Fed. 21-33H to Locken 14-28H Pipeline: A Class III Intensive Cultural Resources Inventory in Mountrail County, North Dakota
014465	McCann, E. 2013 Addendum to Highway 23 Survey: A Class III Intensive Cultural Resources Inventory in Mountrail County, North Dakota
015343	Engel, D. and A. Kulevsky 2013 Southwest Geoscience’s New Town to Stanley Pipeline: A Class III Cultural Resource Inventory in Mountrail County, North Dakota
015580	Wandler, C., R. Ramirez, P. Thompson, J. Schleicher, S. Lechert, V. Zietz, T. Witt, S. Doyle, C. Picka, and C. Riordan 2013 A Cultural Resources Inventory of the U.S. Army Corps of Engineers Managed Lands on Lake Sakakawea, Mountrail County, North Dakota
015685	Brooks, B. 2015 New Town Line Extension: A Comprehensive Report of Class III Intensive Cultural Resource Inventories from 2013 and 2014 in Mountrail County, North Dakota
015704	McCarty, A. and C. Riordan 2015 A Class I and Class III Cultural Resource Inventory of the Paradigm Sacagawea Pipeline, McKenzie and Mountrail Counties, North Dakota
015882	Riordan, C. 2015 Addendum to the Class I and Class III Cultural Resource Inventory of the Paradigm Sacagawea Pipeline, McKenzie and Mountrail Counties, North Dakota to Allow for Temporary Work Space
016170	Rohe, C. and J. Morrison 2015 New Town Areas 2 and 4; Field Orders 1-2, 6-10, 12, and 13: Class III Cultural Resource Inventory, Mountrail and McLean Counties, North Dakota
016581	Domine, A. 2016 New Town NE Truck Reliever Route Monitoring in Mountrail County, North Dakota

10. **Historic Context (Study Unit):** The APE/inventory area is located in the Garrison Archaeological Study Unit (SHSND 2008).
11. **Fieldwork Date(s):** March 31, 2016
12. **Field Personnel:** Debra Green, Principal Investigator, and Andrea Kulevsky, Project Director
13. **Field Methods and Conditions:** The inventory conformed to North Dakota’s guideline for cultural resource inventories (SHSND 2012). The inventory was accomplished using pedestrian transects spaced at 15 meter intervals. The project corridors were mapped using a handheld GPS unit. Field conditions were documented with digital photographs



Small Survey Report

Submitted by Metcalf Archaeological Consultants, Inc.

PO Box 2154, Bismarck, North Dakota 58502

Phone: (701) 258-1215, Email: macnodak@metcalfarchaeology.com

(Figures 2-5) and detailed in field notes. All electronic and paper records are on file at the Metcalf Bismarck office.

The two proposed linear corridors are located 1.5 miles southeast (New Town re-route) and 6.25 miles (north re-route) northeast of New Town, North Dakota. The New Town re-route corridor crosses gently rolling low-lying hills covered in tall grasses, forbs, and shrubs. At the time of the inventory, ground surface visibility (GSV) was 10 percent. The west portion of the re-route corridor has been disturbed by installation of a gas pipeline. The existing Soo Railroad is located approximately 50 to 100 meters north-northeast of the New Town re-route corridor. The north re-route corridor consists of fallowed agricultural fields situated on a flat to gently rolling glacial plain with 90 to 100 percent GSV. Two existing buried gas pipelines parallel the north re-route corridor.

The project corridors are located in the Coteau slope of the Great Plains physiographic region, east of the Missouri River. The Coteau slope is characterized by rolling to hilly erosional and glacial landforms. Glacial deposits are thin and discontinuous unbedded, unsorted mixture of clay, silt, sand, and gravel. The dominant soils in both re-route segments are well drained and form on rises mantled by calcareous fine loamy glacial till (Zahl and Williams series) or in loamy glaciofluvial deposits. The typical soil profile is characterized by an A-Bk-C loam (Zahl series) or Ap-Bt1-Bt2-Btk-Bk-C loam (Williams series); and an Ap-Bw-Bk1-Bk2-2Bk2-2C loam profile (Lehr series).

- 14. Results and Recommendations:** No other cultural resources (i.e., sites, buildings, structures, objects, or districts that are at least 50 years in age) were encountered during the inventory. Metcalf recommends a finding of *No Historic Properties Affected* (36CFR800.4[d][1]) for the proposed undertaking as surveyed, mapped, and documented herein.

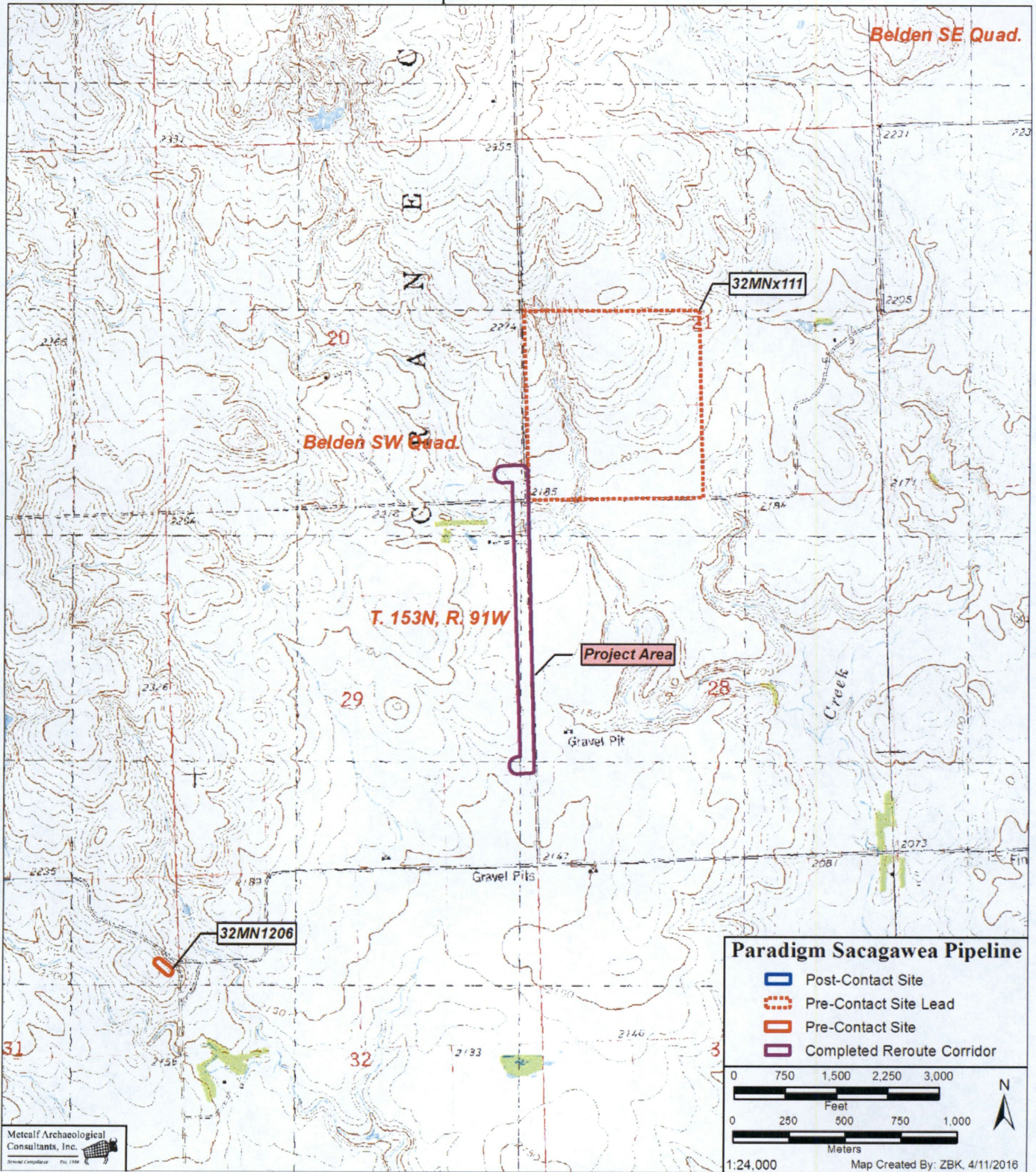
15. References Cited:

State Historical Society of North Dakota

2008 *The North Dakota Comprehensive Plan for Historic Preservation: Archaeological Component*. Electronic document, http://history.nd.gov/hp/stateplan_arch.html, accessed May 2015.

2012 *North Dakota SHPO Guidelines Manual for Cultural Resource Inventory Projects*. Electronic document, <http://history.nd.gov/hp/PDFinfo/ND%20SHPO%20Guidelines%20Manual.pdf>, accessed May 2015.

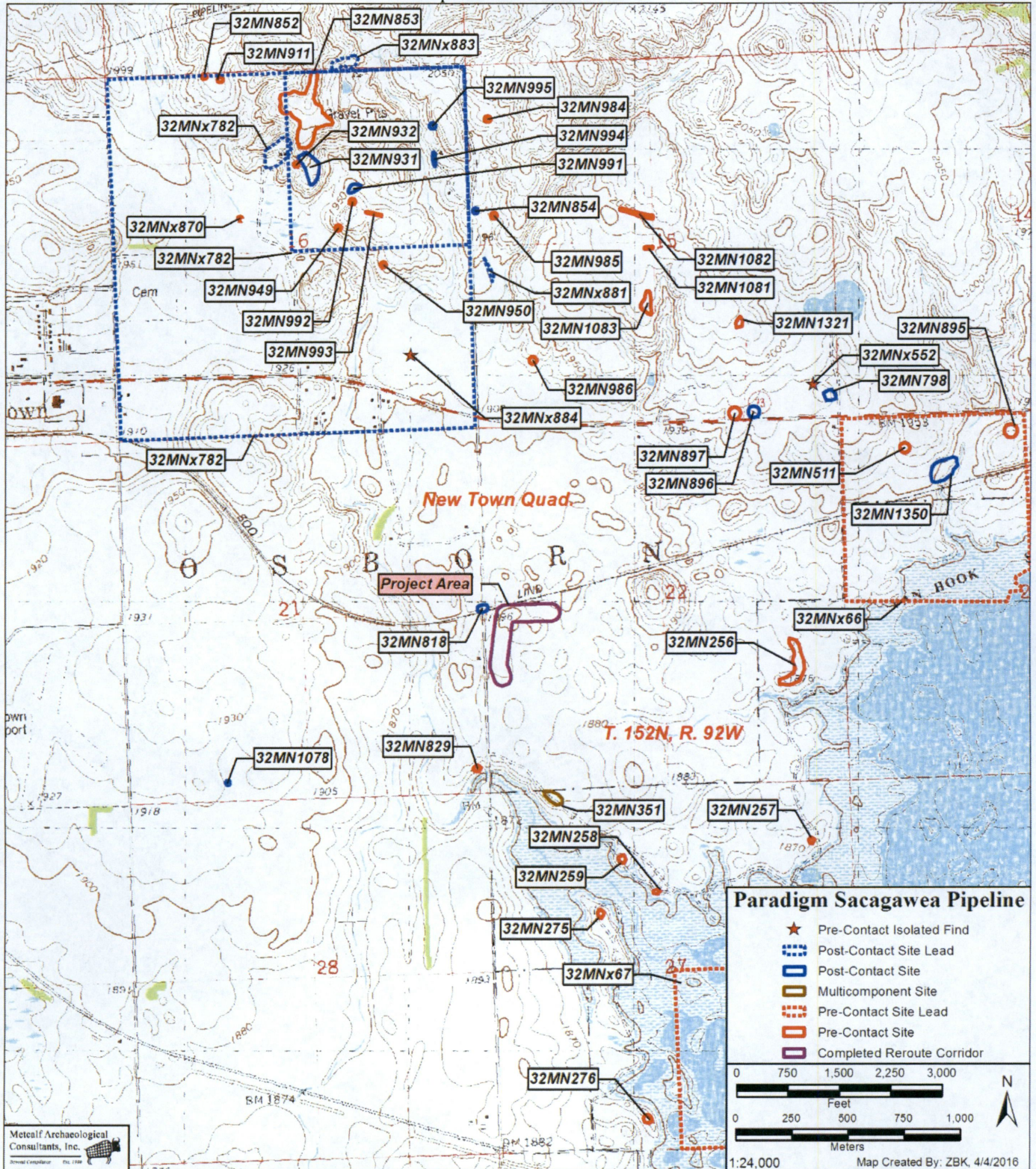
Small Survey Report
Map and Photo Section



Map 1: The location of the north re-route project area and cultural resources depicted on the USGS 7.5' New Belden SW (1981) and Belden SE (1981) quadrangle maps.

Small Survey Report

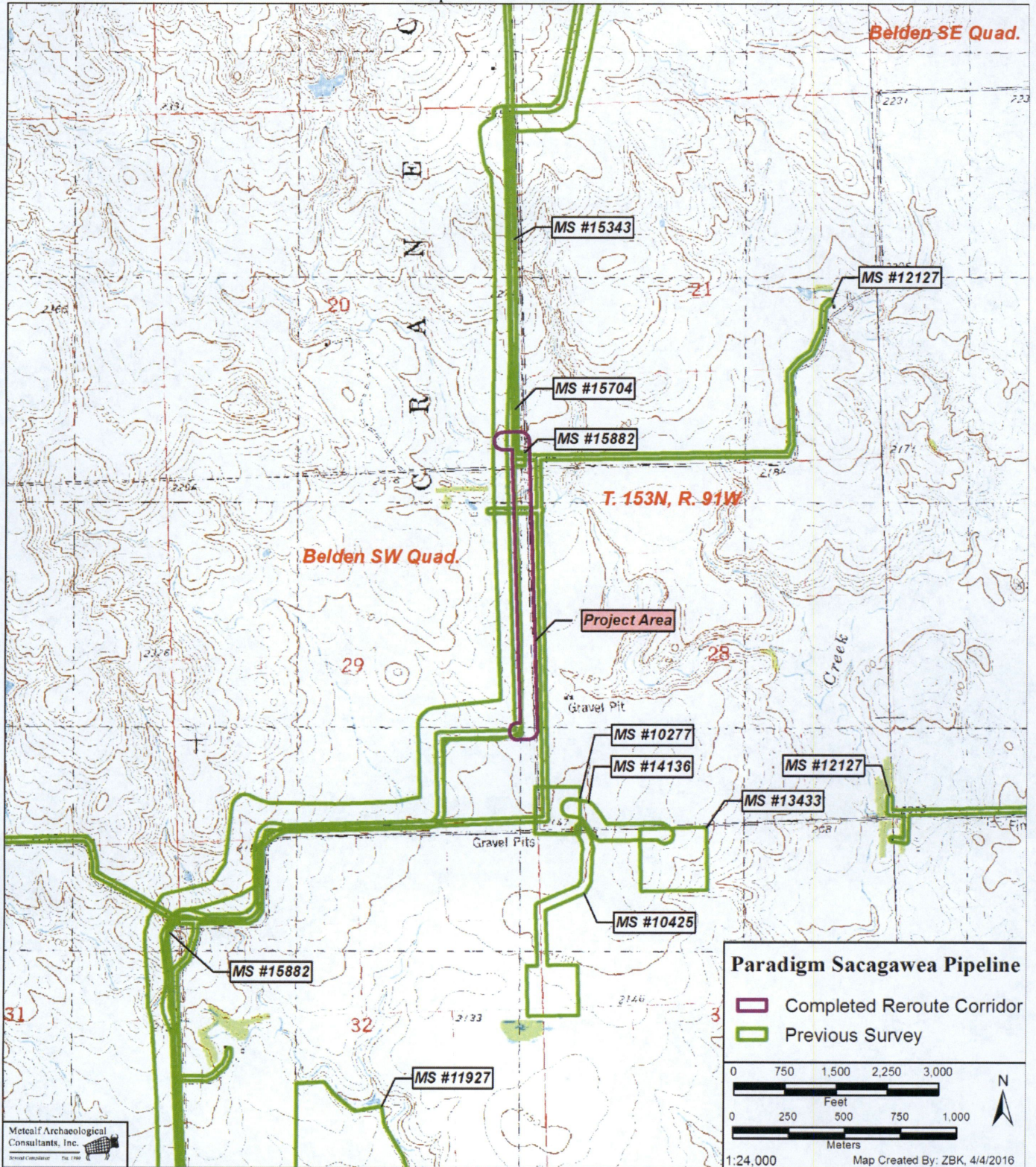
Map and Photo Section



Map 2: The location of the New Town re-route project area and cultural resources depicted on the USGS 7.5' New Town (1981) quadrangle map.

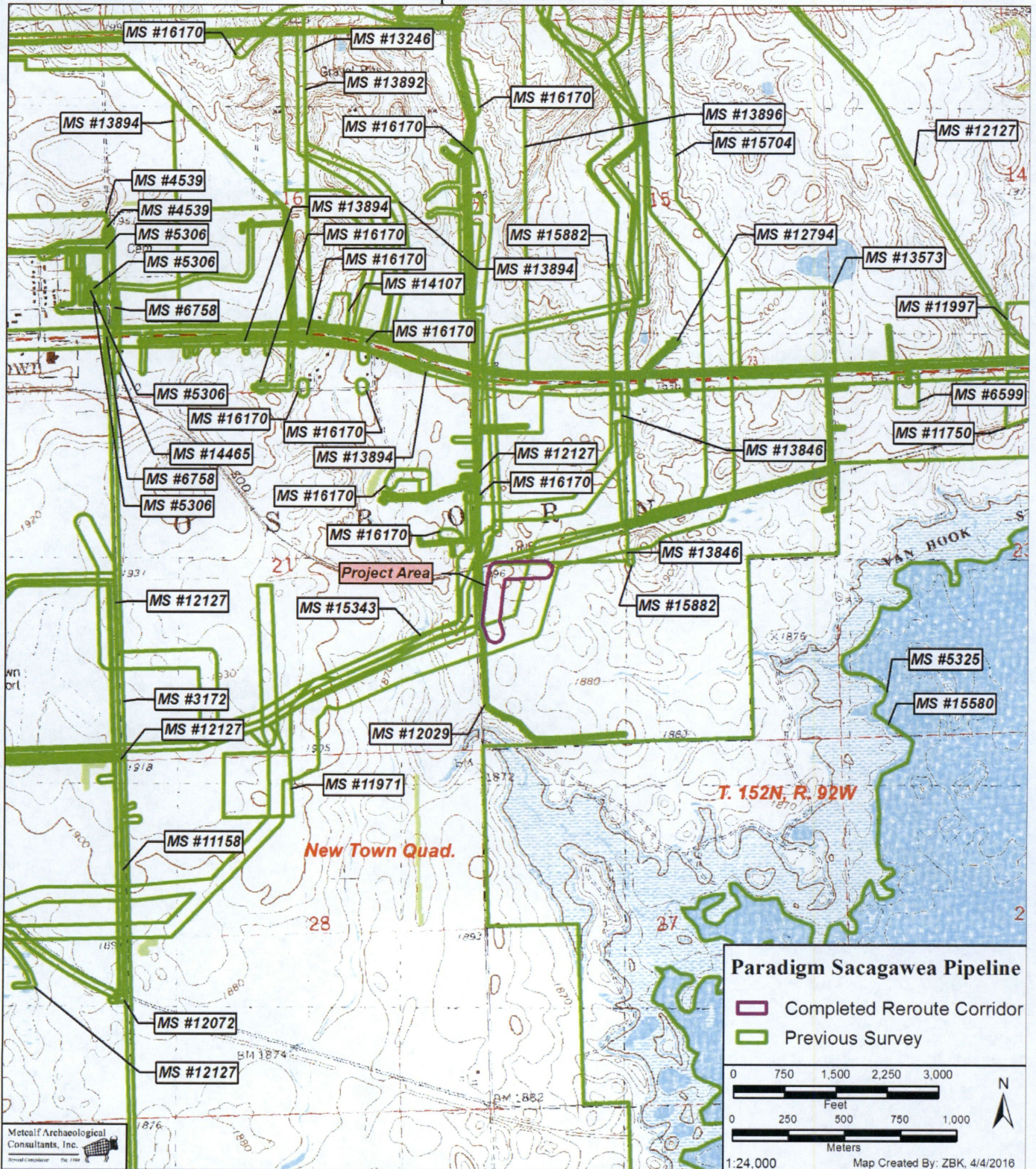
Small Survey Report

Map and Photo Section



Map 3: The location of the north re-route project area and cultural resources depicted on the USGS 7.5' New Belden SW (1981) and Belden SE (1981) quadrangle maps.

Small Survey Report
Map and Photo Section



Map 4: The location of the New Town re-route project area and cultural resources depicted on the USGS 7.5' New Town (1981) quadrangle map.

Small Survey Report
Map and Photo Section



Figure 2: Overview of New Town re-route corridor, view southeast (Image 1162).



Figure 3: Overview of New Town re-route corridor with existing pipeline scar, view north (Image 1161).

Small Survey Report
Map and Photo Section



Figure 4: Overview of north re-route corridor, view north (Image 1163).



Figure 5: Overview of north re-route corridor, view south (Image 1166).



**STATE
HISTORICAL
SOCIETY
OF NORTH DAKOTA**

Jack Dalrymple
Governor of North Dakota

North Dakota
State Historical Board

Margaret Puetz
Bismarck - President

Gereld Gerntholz
Valley City - Vice President

Albert I. Berger
Grand Forks - Secretary

Calvin Grinnell
New Town

Diane K. Larson
Bismarck

Chester E. Nelson, Jr.
Bismarck

A. Ruric Todd III
Jamestown

Sara Otte Coleman
Director
Tourism Division

Kelly Schmidt
State Treasurer

Alvin A. Jaeger
Secretary of State

Mark Zimmerman
Director
Parks and Recreation
Department

Grant Levi
Director
Department of Transportation

Claudia J. Berg
Director

Accredited by the
American Alliance
of Museums since 1986

April 18, 2016

Ms. Damita Engel
Regional Manager
Metcalf Archaeological Consultants, Inc.
PO Box 2154
Bismarck ND 58502

**ND SHPO Ref: 15-759a PSC Case PU-15-114 Paradigm Energy Partners
"Addendum II to the Class I and Class III Cultural Resource Inventory of the
Paradigm Sacagawea Pipeline in McKenzie and Mountrail Counties, North
Dakota"**

Dear Ms. Engel,

We reviewed ND SHPO Ref: 15-759a PSC Case PU-15-114 Paradigm Energy Partners "Addendum II to the Class I and Class III Cultural Resource Inventory of the Paradigm Sacagawea Pipeline in McKenzie and Mountrail Counties, North Dakota," and find the report acceptable.

We concur with a **"No Significant Sites Affected"** determination provided the project remains as mapped and described.

Thank you for the opportunity to review this project. Please include the ND SHPO reference number listed above in any further correspondence for this specific project. If you have any questions, please contact either Paul Picha at (701) 328-3574 or ppicha@nd.gov or Susan Quinnell at (701) 328-3576 or squinnell@nd.gov.

Sincerely,

Claudia J. Berg
Director, State Historical Society of North Dakota