

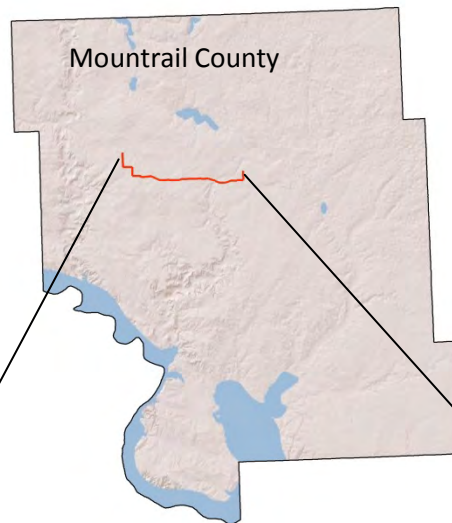
September 2012

NORTH DAKOTA PUBLIC SERVICE COMMISSION

CONSOLIDATED APPLICATION

**AMENDMENT OF CERTIFICATE OF CORRIDOR COMPATIBILITY
AND
ROUTE PERMIT**

NELSON TAKE-OFF TO ROSS PIPELINE PROJECT



NORTH DAKOTA PUBLIC SERVICE COMMISSION

Application for Certificate of Corridor Compatibility Amendment-Little Knife River

Plains Pipeline, L.P.
Nelson Take-Off to Ross Pipeline Project

Prepared by E3 Environmental, LLC

September 2012

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INTRODUCTION

Plains Pipeline, L.P. (Plains) received the Public Service Commission's (Commission) Findings of Fact, Conclusion of Law and Order (Orders) dated April 25, 2012, in Case No. PU-10-040 approving the Nelson Take-Off to Ross Pipeline Project (NRP or Project). The Commission's Orders identified the field survey corridor, identified in maps provided in Appendix A of Exhibit 2, a previous filing, as the Certificated Corridor; this Corridor is also detailed on the maps in Appendix B of this document. The Certificated Corridor was analyzed utilizing various desktop studies and agency consultations as described in the original request for a Certificate of Corridor Compatibility. The proposed Amendment of Application is for a 1,450-foot-long route modification located between MP 3.8 and 4.2, a portion of which would be located beyond the limits of the Certificated Corridor (see Appendix A and B).

On August 15, 2012, the Project was inspected by an independent third party representative of the Commission. The Project was found to be in full compliance with all applicable permits. However, the inspection report included a recommendation to modify the approved alignment of the horizontal directional drill (HDD) of the Little Knife River crossing and associated workspace to avoid impacts to the wetland adjacent to this waterbody. This filing is in response to this request; Plains has accepted this recommendation and has received approval from the affected landowner; Appendix F contains a record of this communication.

The design of this HDD crossing includes multiple foreign line crossings that encroach into both the approved and proposed workspace. Hess is the owner and operator of these foreign pipelines and has requested that Plains cross their pipelines in this location by utilizing the HDD method. The proposed alignment consolidates the Little Knife River crossing and multiple foreign line crossings into a single HDD. Plains has supplied a certification statement confirming that the proposed route improvement will be conducted in compliance with the Commission's transmission corridor and siting criteria (N.D. Administrative Code 69-06-08-02); refer to Appendix G for this Certification Statement.

The entirety of this route modification falls within the original 1-mile study corridor. Therefore, the analysis provided in the initial application for the Plains Nelson Take-Off to Ross Pipeline Project remains unchanged, and as such, should be referenced for all sections unless otherwise noted.

The information presented in this application is organized according to the format prescribed in the Commission's Application Guidelines for a Certificate of Site or Corridor Compatibility, which divides the information into the following five main categories:

SECTION 1: DESCRIPTION

SECTION 2: STUDIES

SECTION 3: NEED FOR FACILITY

SECTION 4: LOCATION

SECTION 5: MITIGATIVE MEASURES

SECTION 1: DESCRIPTION

1.1 PURPOSE, TYPE AND SIZE OF FACILITY

The purpose of the proposed route modification is to allow Plains to act upon a recommendation by the Commission's third party representative to modify the permitted alignment across the Little Knife River; this modification would further minimize the Project's impacts to wetlands/waterbodies.

Refer to the NRP application as filed; the proposed amendment will not change the type or size of the facility.

1.1.1 LENGTH

The proposed NRP route modification is approximately 1,450 feet in total length. The total length of the NRP will remain essentially unchanged and as described in the application as filed.

1.1.2 LOCATION

The proposed NRP route modification is located between Project MP 3.8 and 4.2, in western half of Section 32, Township 156 N Range 91 W of Mountrail County, North Dakota. Please refer to maps provided in Appendix B. The proposed re-route will not modify any other portion of the approved Project corridor.

1.2 PROJECT SCHEDULE

1.2.1 CERTIFICATE OF CORRIDOR COMPATIBILITY

Plains seeks an amended Certificate of Corridor Compatibility on or before October 10, 2012

1.2.2 ROUTE PERMIT

Plains submitted a request for a Route Permit amendment on September 27, 2012. Plains seeks the amended Route Permit on or before October 10, 2012.

1.2.3 CONSTRUCTION SCHEDULE

Plains plans to commence construction immediately upon receipt of PSC approval.

SECTION 2: STUDIES

2.1 CORRIDOR

Refer to the NRP application as filed; the corridor analysis encompassed the proposed modification.

2.2 ENVIRONMENTAL DESKTOP ANALYSIS

Refer to the NRP application as filed; the environmental desktop analysis encompassed the proposed modification.

2.3 AGENCY CONSULTATIONS

Refer to the NRP application as filed; the agency consultations encompassed the proposed modification.

SECTION 3: NEED FOR FACILITY

**3.1 ANALYSIS OF NEED BASED ON PRESENT AND PROJECTED DEMAND,
INCLUDING SYSTEM STUDIES**

Refer to the NRP application as filed.

**3.2 DESCRIPTION OF FEASIBLE ALTERNATIVE METHODS OF SERVING THE
NEED**

Refer to the NRP application as filed.

SECTION 4: LOCATION

4.1 CORRIDOR

The proposed route modification is approximately 1,450 feet in length and is located between MP 3.8 and 4.2, in the western half of Section 32, Township 156N, Range 91W of Mountrail County, North Dakota. Please refer to the maps provided in Appendix B for the location of the requested route improvement.

4.2 IDENTIFY AND MAP CRITERIA

The requested route improvement has been reviewed for siting criteria; where items related to the siting criteria are identified, their locations are depicted on the maps in Appendix B.

4.3 EXCLUSION AREA INVENTORY AND ANALYSIS

There were no Exclusion Areas identified within the corridor of the proposed route modification.

Exclusion Area	Within Corridor
Federal	
National Parks or Memorial Parks	No
Historic Sites, Districts, or Landmarks	No
Natural Landmarks or Monuments	No
Wilderness Areas	No
State	
Historic Sites, Monuments, or Historical Markers	No
Archaeological Sites	No
Parks	No
Nature Preserves	No
County	
Parks	No
Recreation Areas	No
Municipal Parks	No
Other	
Areas Critical to the Life Stages of Threatened and Endangered Animal or Plant Species	No
Areas where Animal or Plant Species that are Unique or Rare to this State would be Irreversibly Damaged	No

4.4 AVOIDANCE AREA INVENTORY AND ANALYSIS

There were no Avoidance Areas identified within the corridor of the proposed route modification.

Avoidance Area	Within Corridor
National	
Historic Districts	No
Wildlife Areas	No
Wild, Scenic or Recreational Rivers	No
Wildlife Refuges	No
Grasslands	No
State	
Wild, Scenic, or Recreational Rivers	No
Game Refuges or Game Management Areas	No
Forests or Forest Management Areas	No
Grasslands	No
Other	
Other Historic Resources not meeting Exclusion Areas criteria	No
Areas of Known Geologic Instability	No
Areas within 500-Feet of a Residence, School, or Place of Business	No
Reservoirs and Municipal Water Supplies	No
Water Sources for Organized Rural Water Districts	No
Irrigated Land (does not apply to underground facilities)	Not Applicable
Areas of Recreational Significance which are not designated as Exclusion Areas	No

4.5 FACTORS TO BE CONSIDERED IN EVALUATING APPLICATIONS AND DESIGNATION OF SITES, CORRIDORS, AND ROUTES (SECTION 49-22-09, N.D.C.C.)

4.5.1 SELECTION CRITERIA

Refer to the NRP application as filed; the selection criteria analysis encompassed the proposed modification.

4.6 POLICY CRITERIA

Refer to the NRP application as filed; the policy criteria analysis encompassed the proposed modification.

SECTION 5: MITIGATIVE MEASURES

5.1 LOCATION

The proposed route improvement is approximately 1,450 feet in length and is located between MP 3.8 and 4.2, in the western half of Section 32, Township 156N, Range 91W of Mountrail County, North Dakota. Please refer to the maps provided in Appendix B for the location of the requested route improvement.

5.2 CONSTRUCTION

Construction would commence immediately upon Commission approval.

5.3 OPERATION

Refer to the NRP application as filed; the requested amendment will not modify operations as detailed previously.

SECTION 6: LIST OF PREPARERS

Refer to the NRP application as filed.

NORTH DAKOTA PUBLIC SERVICE COMMISSION

Application for Route Permit Amendment-Little Knife River

Plains Pipeline, L.P.
Nelson Take-Off to Ross Pipeline Project

Prepared by E3 Environmental, LLC

September 2012

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INTRODUCTION

Plains Pipeline, L.P. (Plains) received the Public Service Commission's (Commission) Findings of Fact, Conclusion of Law and Order (Orders) dated April 25, 2012, in Case No. PU-10-040 approving the Nelson Take-Off to Ross Pipeline Project (NRP or Project). The Commission's Orders identified the pipeline route depicted on the maps provided in Appendix A of Exhibit 2, a previous filing, as the permitted route (Route); this Route is also detailed on the maps in Appendix B of this document. The proposed Amendment of Application is for a 1,450-foot-long route improvement located between MP 3.8 and 4.2, a portion, of which, would be located beyond the limits of the Certificated Corridor (see Appendices A and B). The proposed re-route does not modify the overall length, the destination, or the terminus of the originally certificated pipeline.

On August 15, 2012, the Project was inspected by an independent third party representative of the Commission. The Project was found to be in full compliance with all applicable permits. However, the inspection report included a recommendation to modify the approved location of the horizontal directional drill (HDD) of the Little Knife River crossing and associated workspace to avoid impacts to the wetland adjacent to this waterbody. In response Plains has accepted this recommendation and has received approval from the affected landowner; Appendix F contains a record of this communication.

The purpose of the proposed route improvement is to allow Plains to act upon a recommendation by the Commission's third party representative to modify the permitted alignment across the Little Knife River; this modification would further minimize the Project's impacts to wetlands/waterbodies.

The information presented in this application is organized according to the format prescribed in the PSC Application Guidelines for a Certificate of Site or Corridor Compatibility, which divides the information into the following categories:

SECTION 1: TYPE, SIZE AND DESIGN

SECTION 2: STUDIES

SECTION 3: EVALUATION OF THE PROPOSED ROUTE IN REGARD TO APPLICABLE CONSIDERATIONS IN SECTION 49-22-09 AND CRITERIA ESTABLISHED IN SECTION 49-22-05.1

SECTION 4: MITIGATIVE MEASURES

SECTION 5: DESCRIPTION OF RIGHT-OF-WAY PREPARATION AND RECLAMATION PROCEDURES

SECTION 6: UTILITY'S EASEMENT ACQUISITION, LANDOWNER NOTIFICATION, AND EASEMENT COMPENSATION PLAN

SECTION 7: LIST OF PREPARERS

SECTION 1: TYPE, SIZE AND DESIGN

Refer to the NRP application as filed; the proposed amendment will not change the type, size or design of the facility.

1.1 APPROXIMATE LENGTH OF FACILITY

The proposed NRP route improvement is 1,450 feet in length and is located between MP 3.8 and 4.2.

1.2 LOCATION

The proposed NRP route improvement is located between Project MP 3.8 and 4.2, in the western half of Section 32, Township 156 N Range 91 W of Mountrail County, North Dakota. Please refer to maps provided in Appendix B.

1.3 PROJECT SCHEDULE

1.3.1 ROUTE PERMIT

Plains seeks an amended Route Permit on or before October 10, 2012.

1.3.2 CERTIFICATE OF CORRIDOR COMPATIBILITY

Plains submitted a request for an Amendment of Application for its Corridor Certificate on September 27, 2012. Plains seeks the amended Corridor Certificate on or before October 10, 2012.

1.3.3 CONSTRUCTION SCHEDULE

Plains plans to commence construction immediately upon receipt of PSC approval.

SECTION 2: STUDIES

2.1 PIPELINE ROUTE

The requested route improvement represents a minor route deviation, departing from the original alignment by approximately 1,450 feet.

2.2 ENVIRONMENTAL SURVEY

Plains commissioned environmental surveys of the project area for project planning purposes. The survey corridors were expanded beyond normal construction workspace requirements to allow for potential route deviations that may arise during construction. The initial surveys immediately west of the Little Knife River extended to a width of 480 feet; to east the corridor was reduced to a width of 100 feet. The imbalance in the surveyed area coupled with the revised orientation of the HDD crossing to avoid wetland impacts has resulted in an alignment that includes a small portion of the route that would fall outside of the previous surveyed corridor, approximately 280-feet.

Plains commissioned cultural and natural field surveys of the portion of the proposed alignment modification not previously surveyed. Additional field surveys were completed on September 14, 2012. The extent of the survey coverage of this irregularly shaped parcel (approx. 3.4 acres in total) has been depicted in the attached maps (See Appendix B Project Maps). The purpose of these field studies was to definitively identify any potential resource issues (e.g., wetlands, waterbodies, protected species, critical habitats, or cultural resources) that may intersect the proposed pipeline alignment and to collect the baseline field data necessary to prescribe alternative routing or mitigation to minimize environmental impacts.

The results of these field surveys are discussed in the following sections. The full Natural Resources and Wetland Determination Report (Natural Resource Report) and the Class I and Class III Cultural Resource Inventory Report can be found in Appendices D and E respectively. Plains has completed consultations with the North Dakota State Historical Preservation Office (SHPO). On September 19, 2012, the SHPO concurred with the survey report conclusion of “No Significant Sites Affected” and “No Historic Properties Affected” by the proposed modification of the project (See Appendix C Consultation).

2.2.1 TREE/SAPLING/SHRUB SURVEY

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

2.2.2 WETLAND AND WATERBODIES SURVEY

Field studies were utilized to facilitate the siting of the proposed HDD entry and exit points and associated workspace to ensure that ground disturbance to the wetlands would be avoided. The modification of the route and associated workspace would fully address the area of concern as identified by the Commission’s project site audit.

2.2.3 WILDLIFE INVENTORY

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

2.2.3.1 FEDERALLY PROTECTED SPECIES SURVEY

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

2.2.4 U.S. FOREST SERVICE

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

2.2.5 NORTH DAKOTA GAME AND FISH DEPARTMENT

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

2.2.6 NORTH DAKOTA PARKS AND RECREATION DEPARTMENT

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

2.2.7 NORTH DAKOTA STATE HISTORIC PRESERVATION OFFICE

Plains has completed consultations with the North Dakota State Historical Preservation Office (SHPO). On September 19, 2012, the SHPO concurred with the survey report conclusion of “No Significant Sites Affected” and “No Historic Properties Affected” by the proposed modification of the project (See Appendix C Consultation).

2.2.8 NORTH DAKOTA STATE LANDS DEPARTMENT

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

2.2.9 NORTH DAKOTA DEPARTMENT OF HEALTH

Consultations have been completed with the North Dakota Department of Health regarding the relocation of the HDD of the Little Knife River. The NDDoH responded to this consultation on September 26, 2012 granting Clean Water Act 401 Water Quality; refer to Appendix C for a record of this communication.

SECTION 3: EVALUATION OF THE PROPOSED ROUTE IN REGARD TO APPLICABLE CONSIDERATIONS IN SECTION 49-22-09 AND CRITERIA ESTABLISHED IN SECTION 49-22-05.1

3.1 EXCLUSION AND AVOIDANCE AREAS

The modified route does not cross any exclusion areas, refer to certification statement in Appendix G.

Exclusion Area	Along Proposed Route
Federal	
National Parks or Memorial Parks	No
Historic Sites or Landmarks	No
Natural Landmarks or Monuments	No
Wilderness Areas	No
State	
Historic Sites, Monuments, or Historical Markers	No
Archaeological Sites	No
Parks	No
Nature Preserves	No
County	
Parks	No
Recreation Areas	No
Municipal Parks	No
Other	
Areas Critical to the Life Stages of Threatened and Endangered Animal or Plant Species	No
Areas where Animal or Plant Species that are Unique or Rare to this State would be Irreversibly Damaged	No

3.2 AVOIDANCE AREA INVENTORY AND ANALYSIS

Refer to the NRP application as filed; the modified does not substantively change the initial analysis, refer to certification statement in Appendix G.

Avoidance Area	Within Route
National	
Historic Districts	No
Wildlife Areas	No
Wild, Scenic or Recreational Rivers	No
Wildlife Refuges	No
Grasslands	No

Avoidance Area	Within Route
State	
Wild, Scenic, or Recreational Rivers	No
Game Refuges or Game Management Areas	No
Forests or Forest Management Areas	No
Grasslands	No
Other	
Other Historic Resources not meeting Exclusion Areas criteria	No
Areas of Known Geologic Instability	No
Areas within 500-Feet of a Residence, School, or Place of Business	No
Reservoirs and Municipal Water Supplies	No
Water Sources for Organized Rural Water Districts	No
Irrigated Land (does not apply to underground facilities)	NA
Areas of Recreational Significance which are not designated as Exclusion Areas	No

3.3 FACTORS TO BE CONSIDERED IN EVALUATING APPLICATIONS AND DESIGNATIONS OF SITES, CORRIDORS AND ROUTES (49-22-09)

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

3.4 SELECTION CRITERIA

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

3.5 POLICY CRITERIA

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

3.5.1 LOCATION AND DESIGN

The requested route improvement represents a minor route deviation, departing from the original alignment by approximately 1,450 feet. Refer to the NRP application as filed; the modified route does not substantively change the initial analysis.

SECTION 4: MITIGATIVE MEASURES

4.1 LOCATION

Plains has commissioned field surveys of the modified route to assess the environmental resources that may be impacted as well as to confirm that the modified alignment conforms to the siting requirements established by the state of North Dakota.

Trees and shrubs: Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

Wetlands and waterbodies: Field surveys were conducted to redefine the boundaries of the wetlands adjacent to the Little Knife River; impacts to these features will be avoided by the HDD of the River and the situation of all ground disturbing activities outside the boundaries of the associated wetlands.

Migratory Bird Treaty Act Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

Cultural Resources: Based upon Class I and Class III Cultural Resource Inventories conducted for the modified route there are no cultural resources that require mitigative measures.

4.2 CONSTRUCTION

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

4.3 OPERATION

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

**SECTION 5: DESCRIPTION OF RIGHT-OF-WAY PREPARATION AND
RECLAMATION PROCEDURES**

Refer to the NRP application as filed; no changes have resulted from the requested route improvement.

**SECTION 6: UTILITY'S EASEMENT, ACQUISITION, LANDOWNER AND EASEMENT
COMPENSATION PLAN**

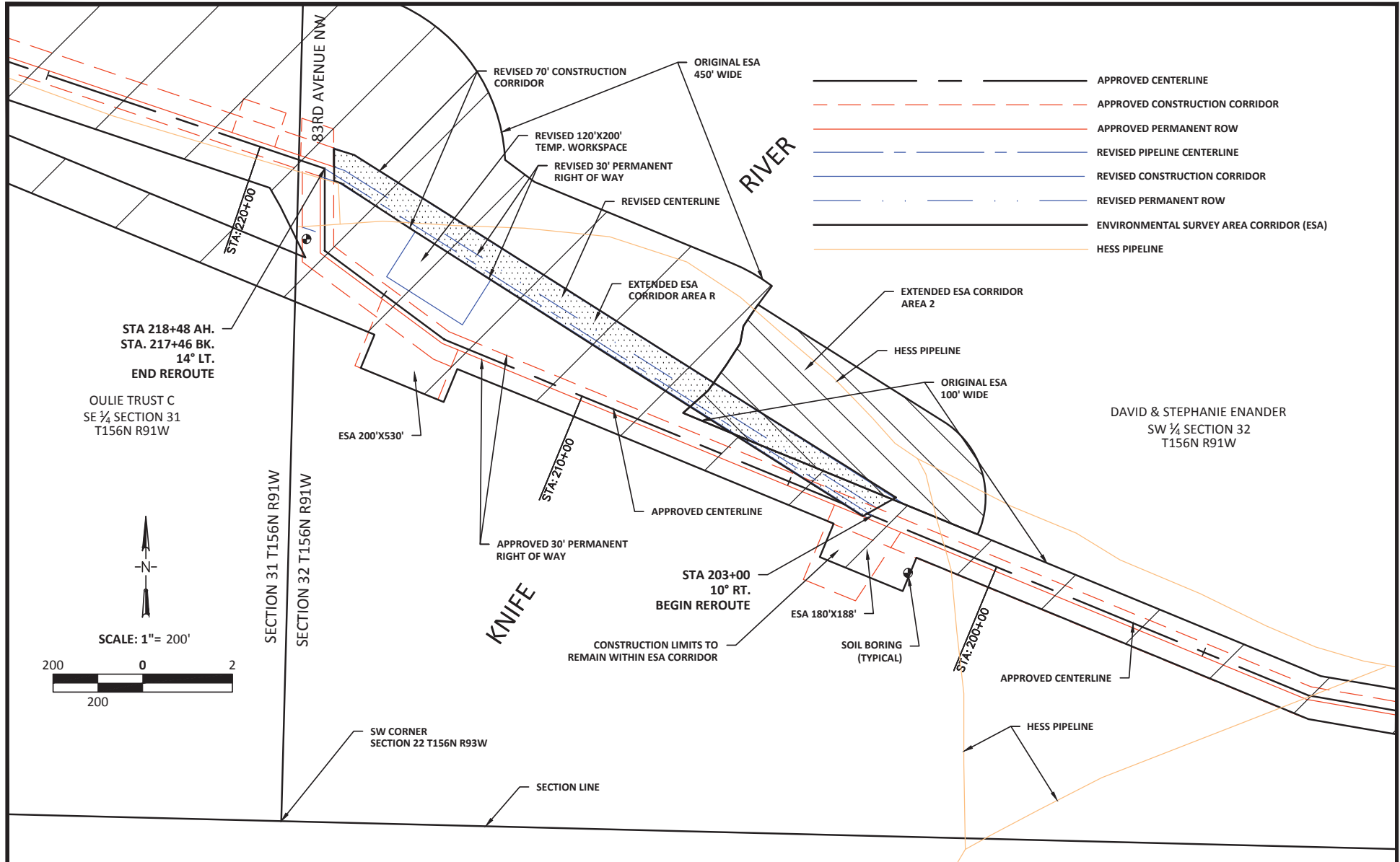
Landowner approval has been obtained from the landowner affected by the proposed route improvement; refer to Appendix F. Refer to the NRP application as filed; there is no change to easement acquisition, landowner notification and/or compensation plans.

SECTION 7: LIST OF PREPARERS

Refer to the NRP application as filed.

Appendix A

Engineering Documents



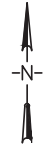
- APPROVED CENTERLINE
- - - APPROVED CONSTRUCTION CORRIDOR
- APPROVED PERMANENT ROW
- - - REVISSED PIPELINE CENTERLINE
- REVISSED CONSTRUCTION CORRIDOR
- - - REVISSED PERMANENT ROW
- ENVIRONMENTAL SURVEY AREA CORRIDOR (ESA)
- HESS PIPELINE

STA 218+48 AH.
STA. 217+46 BK.
14° LT.
END REROUTE

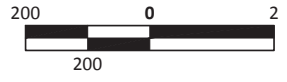
OULIE TRUST C
SE ¼ SECTION 31
T156N R91W

SECTION 31 T156N R91W
SECTION 32 T156N R91W

DAVID & STEPHANIE ENANDER
SW ¼ SECTION 32
T156N R91W



SCALE: 1" = 200'



SCALE	HORZ 1"=200'	VERT	REVISIONS
DRN.	RSS	BK.	JOB NO. 16209RS
CHK.	PAGE:	DATE:	9-10-12



INBERG-MILLER ENGINEERS
 124 East Main Street Riverton, WY 82501 307-856-8136
 1120 East C Street Casper, WY 82601 307-577-0806
 350 Parsley Boulevard Cheyenne, WY 82007 307-635-6827
 257 Alan Road Powell, WY 82435 307-754-7170
 193 Flaming Gorge Way Green River, WY 82935 307-875-4384

PLAINS ALL AMERICAN PIPELINE, L.P.

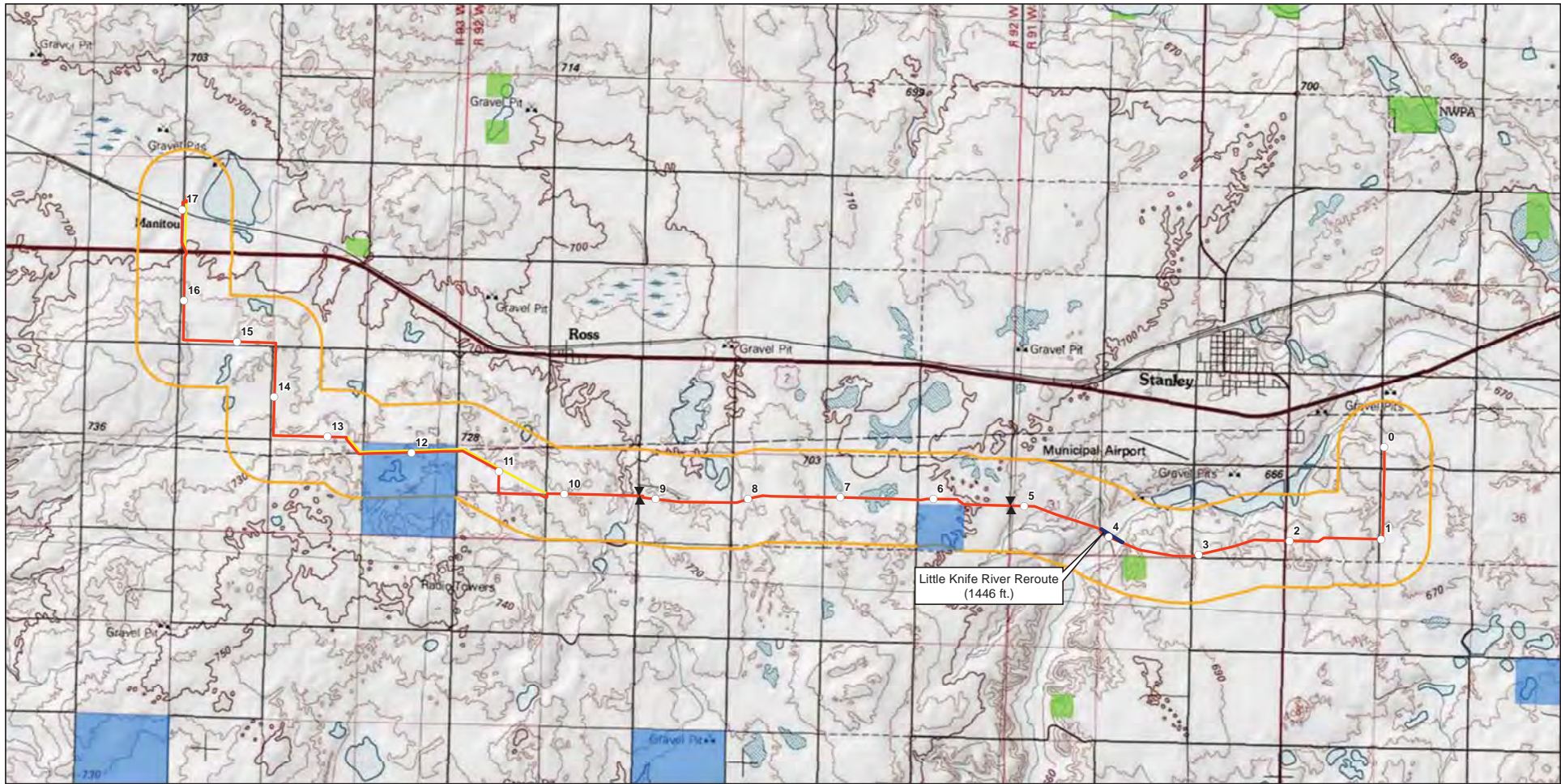
KNIFE RIVER HDD MOUNTRAIL COUNTY, ND








SHEET **1** OF **1**

Any use, reuse, or CADU adaptation of this drawing other than for the specific purpose intended, by anyone, without written authorization from the engineer, will be at the Client's risk and full legal responsibility.

Appendix B

Project Maps



-  Valve
-  Corridor (1-mile)
-  Little Knife River Reroute (1446 ft.)
-  Federal Land
-  Final Proposed Pipeline Centerline
-  State Land
-  Nelson-Ross Mainline (2/6/2012)

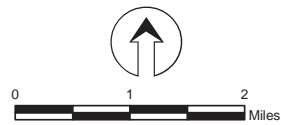
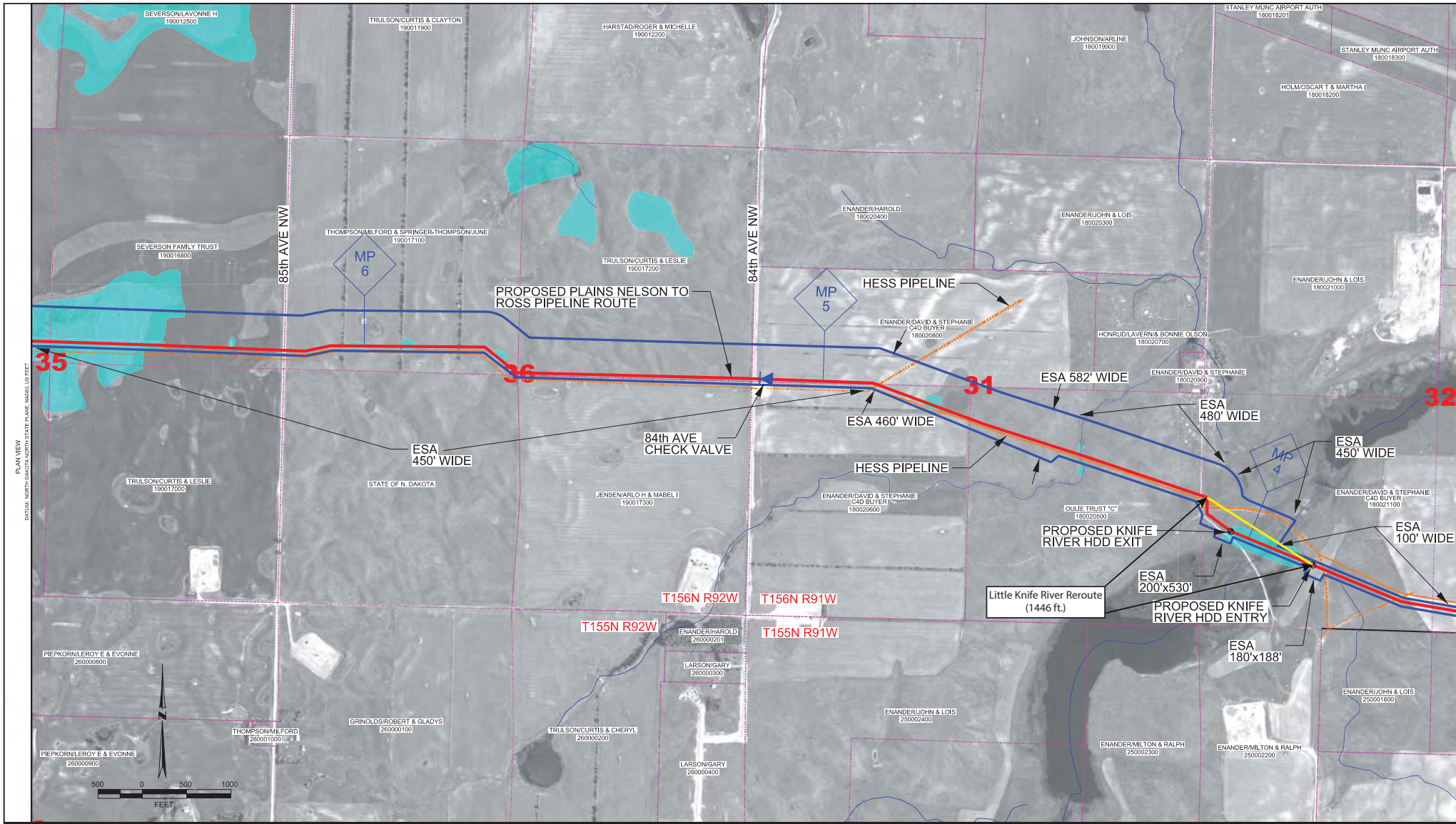


Figure M1
Nelson to Ross
Amendment to Application
for Route Permit

Overview Map



LEGEND

- PROPOSED ROUTE ———
- EXISTING PIPELINES ———
- PARCEL LINES - - - - -
- SECTION LINES - - - - -
- TOWNSHIP/RANGE LINES - - - - -
- ENVIRONMENTAL SURVEY AREA ———
- WATER BODY/WETLAND ———

NOTES

- 1) ESA- ENVIRONMENTAL SURVEY AREA
- 2) DIMENSIONS ARE APPROXIMATE AND FOR USE IN PSC APPLICATIONS ONLY

PIPE SUMMARY						PIPE SPECIFICATIONS					
FROM	TO	LN. FT.	TYPE	FROM	TO	LN. FT.	TYPE	DESCRIPTION	LN. FT.	WELDS:	X-RAYS:

SPECIFICATIONS			REVISIONS			
WELDS:	X-RAYS:	REV. NO.	DESCRIPTION	DWN	CHKD	DATE
TEST PRESSURE:		B	UPDATED ROUTE, OWNERS ADDED CK VLV & HDD	JW	GB	8-10-11
M.O.P.:		C	UPDATED PIPELINE ROUTE FROM SURVEY	JW	GB	10-9-11
CONST. START DATE:		D	UPDATED FOREIGN PIPELINES FROM SURVEY	JW	GB	10-15-11
CONST. END DATE:		E	ADDED SECTION NUMBERS	JW	GB	10-18-11
		F	UPDATED ROUTE; REMOVED WPA	JW	GB	12-8-11
		G	MOVED CHECK VALVE TO BATH AVE	JW	GB	1-8-12
		H	ADDED HESS PIPELINES AT KNIFE RIVER	JW	GB	3-15-12
		I	ADDED ESA BOUNDARY	JW	GB	4-4-12

PLAINS ALL AMERICAN PIPELINE, L.P.

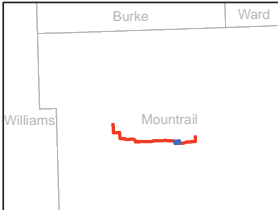
**NELSON TO ROSS PIPELINE
PROPOSED ROUTE OVERVIEW #2
MOUNTAIN COUNTY, NORTH DAKOTA**






SCALE: AS SHOWN DATE: PROJECT NO: 02826 DRAWING NO: 2826-M-0002

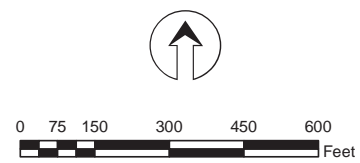
DRW BY: DATE: 8-24-11 ENGR: DATE: 8-24-11

REVISION: 1

REVISED BY: 02/28/2012

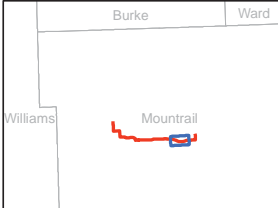
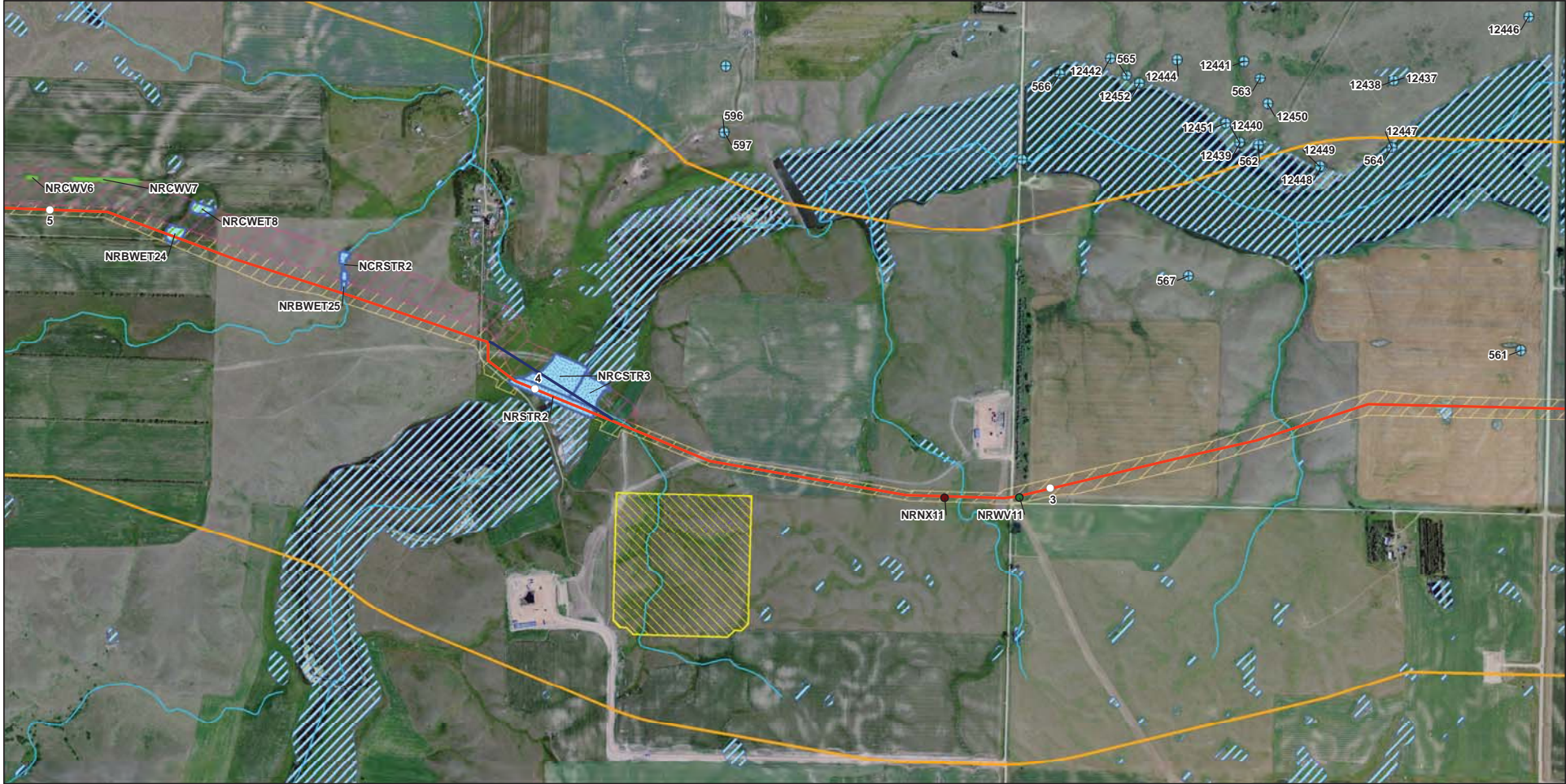


-  Valve
-  Little Knife River Reroute (1446ft.)
-  Final Proposed Pipeline Centerline
-  Survey Boundary
-  Addendum Survey Boundary



**Nelson to Ross
Amendment to Application
for Route Permit**

Little Knife River Survey Detail



- | | | |
|--|--------------------|--------------------|
| ▲ Valve | ▨ Federal Land | ● Noxious |
| — Little Knife River Reroute (1446ft.) | ▨ State Land | ● Wetland |
| — Final Proposed Pipeline Centerline | — Waterbody | ● Woody Vegetation |
| — Nelson-Ross Mainline (2/6/2012) | ▨ NW1 Wetland | ▨ Noxious Weeds |
| — Survey Boundary | ⊕ NDWC Well | ▨ Streams |
| — Addendum Survey Boundary | ▨ Wetland | ▨ Wetland |
| — Corridor (1-mile) | ▨ Woody Vegetation | |



Figure SC-03
Nelson to Ross
Amendment to Application
for Route Permit

Siting Criteria

Appendix C

Consultations

William McCarthy

From: Wax, Peter N. <pwax@nd.gov>
Sent: Wednesday, September 26, 2012 10:46 AM
To: William McCarthy
Subject: RE: Little Knife River - proposed HDD crossing

Dear Bill:

RE: Little Knife River crossing (401 Certification to: USACE Nationwide NWO-2012-0422-BIS)

I have completed my review of the proposed modification in the crossing of the Little Knife River. Based on my evaluation the ND Dept. of Health certifies under Section 401 that it is reasonable to assume that no violations of the States Water Quality Standards will occur provided the project is carried out as proposed.

I appreciate the opportunity to review the modifications and I like the use of HDD for crossing streams. The Northwest region of North Dakota is a personal favorite of mine and this type of careful construction will ensure it is there for future generations. Thank you.

Sincerely,

Peter Wax
Environmental Scientist
North Dakota Department of Health
Division of Water Quality, "*Because Not Everyone Can Live Upstream*"
701-328-5268
pwax@nd.gov

From: William McCarthy [<mailto:wmccarthy@go2e3.com>]
Sent: Wednesday, September 26, 2012 9:28 AM
To: Wax, Peter N.
Cc: Katie Schmidt
Subject: Little Knife River - proposed HDD crossing

Peter,

At the request of the North Dakota Public Service Commission (PSC) and on behalf of Plains Pipeline, LP (Plains), I am seeking 401 Water Quality comment regarding a proposed crossing of the Little Knife River (LKR) utilizing the low impact crossing technique of Horizontal Direction Drill for installation of a pipeline. The location of the proposed crossing is T156N, R91W, Section 32 (W 1/2), Mountrail County, North Dakota as depicted on the attached map.

The project has been reviewed and received US Army Corps of Engineers authorization under Nationwide Permit No. 12 Utility Activities (see attached confirmation letter referencing US COE File No. NOW-2012-0422-BIS); however a slight modification of the crossing has been recommended by the PSC which would eliminate potential ground disturbance to wetlands adjacent to the LKR. The attached map depicts the original permitted crossing and the proposed alternative currently under consideration. The benefit of the alternative crossing will be to move all potential ground disturbing activities associated with the HDD crossing (*i.e.*; entry and exit locations) landward from the banks of the LKR to a location that is entirely upland.

Plains is seeking 401 Water Quality endorsement of the proposed crossing or substantive comments with alternative recommendations.

Best regards,

William McCarthy

E3 Environmental, LLC

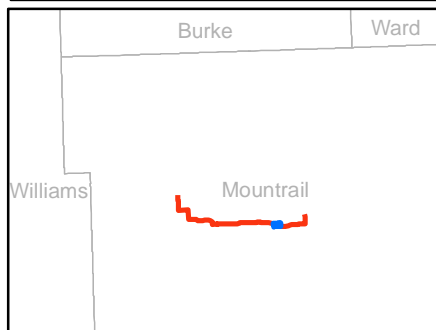
Direct: 651.282.0650

Mobile: 651.319.7456

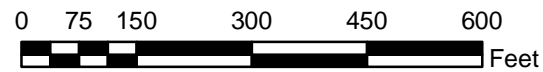
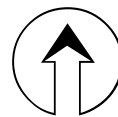
www.go2e3.com



Please consider the environment before printing this e-mail.



- Little Knife River Reroute
- Final Proposed Pipeline Centerline



**Nelson to Ross
Amendment to Application
for Route Permit**

Little Knife River Survey Detail



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, OMAHA DISTRICT
NORTH DAKOTA REGULATORY OFFICE
1513 SOUTH 12TH STREET
BISMARCK ND 58504-6640
February 28, 2012

North Dakota Regulatory Office

[NWO-2012-0422-BIS]

SWCA Environmental Consultants, Bismarck Office
ATTN: Michael J. Cook, Natural Resources Lead
116 North 4th Street, Suite 200
Bismarck, North Dakota 58501

Dear Mr. Cook:

1. **Project Authorization.** We have reviewed your request on behalf of **Plains All-American Pipeline, LP ["PAA"]** for Department of the Army (DA) authorization to install approximately 16.89 miles of 12-inch crude oil pipeline on private lands in North Dakota, which will impact wetlands and an unnamed stream temporarily by discharge of fill associated with traditional bedding and backfill methods. In addition, the Little Knife River will also be crossed; however, PAA has opted to install this crossing utilizing the HDD method, thus avoiding a discharge of fill and negating the need for a permit for this crossing. We have prepared a preliminary jurisdictional determination (JD) for waters identified within the work corridor which is a written indication that the waterway in the project area may be jurisdictional waters of the United States (US). Such waters have been treated as jurisdictional for purposes of computation of impacts and compensatory mitigation requirements. If you concur with the preliminary JD, please sign it and return it to the letterhead address.

If you believe the preliminary JD is inaccurate, you may request this office complete an approved JD prior to commencement of any work in waters of the US. An approved JD is an official determination regarding the presence or absence of such waters. Completion of an approved JD may require coordination with the US Environmental Protection Agency.

If you do not want the Corps to complete an approved JD, you may proceed your project in accordance with the terms and conditions of Department of the Army Nationwide Permit No. 12, found in the March 12, 2007 Federal Register (72 FR 11092), Reissuance of Nationwide Permits. Enclosed is a fact sheet that fully describes this Nationwide Permit and lists the General and Regional Conditions and the Section 401 Water Quality Certification Requirements, if applicable, that must be complied with. **Please note any deviations from the plans and specifications of your project could require additional authorization from this office.**

This verification is valid until the Nationwide Permit is modified, reissued, or revoked. All of the existing nationwide permits are scheduled to be modified, reissued, or revoked prior to March 18, 2012. It is incumbent upon you to remain informed of changes to the nationwide permits. We will issue a public notice when the nationwide permits are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have twelve (12) months from the date of the modification or revocation to complete the activity under the present terms and conditions.

2. **Project Location.** Work would occur in Sections 15, 22, 23, 26, 35 and 36, Township 156 North, Range 93 West; Sections 31, 32, 33, 34, 35 and 36, Township 156 North, Range 92 West; and Sections 31, 32, 33, 34, 35 and 26, Township 156 North, Range 91 West, all in Mountrail County, North Dakota.

3. **Project Compliance Certification for Permit No. NWO-2012-0422-BIS.** *In compliance with General Condition 26, you are required to submit the following project compliance certification within thirty (30) days of project completion. [Please check all applicable statements]*

- I certify that I have completed the projects as permitted.
- I certify that I have completed a modified version of the projects.
- I certify that I have completed all required mitigation.

Permittee's Signature: _____ Date: _____

4. **Other Authorizations.** This determination is applicable only to the permit program administered by the US Army Corps of Engineers. It does not eliminate the need to obtain other Federal, state, tribal, and local approvals before beginning work.

5. **Responsibility.** You are responsible for all work accomplished in accordance with the terms and conditions of this Nationwide Permit. If a contractor or other authorized representative will be accomplishing the work authorized by the Nationwide Permit on your behalf, it is strongly recommended that they be provided a copy of this letter and the attached conditions so that they are aware of the limitations of the Nationwide Permit. Any activity that fails to comply with all the terms and conditions of the Nationwide Permit will be considered unauthorized and subject to appropriate enforcement action.

6. **Other Special Conditions.**

Endangered Species

That the permittee shall report any threatened or endangered species at the project site. Notification shall be made to the North Dakota Regulatory Office by telephone or fax within 24 hours. Written confirmation shall be provided within 48 hours if deemed necessary by the North Dakota Regulatory Office.

Cultural Resources

That the permittee and/or the permittee's contractor, or any of the employees, subcontractors or other persons working in the performance of a contract or contract(s) to complete the work authorized herein, shall cease work immediately and report the discovery of any previously unknown historic or archeological remains to the North Dakota Regulatory Office. Notification shall be by telephone or fax within 24 hours of the discovery and, in writing, within 48 hours. The North Dakota Regulatory Office will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places. Work shall not resume until notified by the North Dakota Regulatory Office.

7. **Additional Information.**

Suitable Material and 1978 Stream Evaluation Map: Permittees are reminded that General Condition No. 6 prohibits the use of unsuitable material. In addition, organic debris, some building waste, and materials excessive in fines are not suitable material. Specific verbiage on prohibited materials and the 1978 Stream Evaluation Map for the State of North Dakota can be accessed on the North Dakota Regulatory Office's website at:
<http://www.nwo.usace.army.mil/html/od-rnd/ndhome.htm>.

8. **Customer Service Survey.** The Omaha District, North Dakota Regulatory Office is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete our Customer Service Survey found on our website at <http://per2.nwp.usace.army.mil/survey.html>. If you do not have Internet access, you may call and request a paper copy of the survey that you can complete and return to us by mail or fax.

9. **Point-of-Contact.** If you have any questions concerning this determination, please contact **Toni R. Erhardt** of this office by letter or telephone at 701-255-0015 and reference Authorization Number **NWO-2012-0422-BIS**.

Sincerely



Daniel E. Cimarosti
State Program Manager
North Dakota

Enclosures



**STATE
HISTORICAL
SOCIETY
OF NORTH DAKOTA**

Jack Dalrymple
Governor of North Dakota

**North Dakota
State Historical Board**

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Valley City - President

Calvin Grinnell
*New Town - Vice
President*

A. Ruric Todd III
Jamestown - Secretary

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Bismarck

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Bismarck

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Tourism Division*

Kelly Schmidt
State Treasurer

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Parks and Recreation
Department*

Francis Ziegler
*Director
Department of
Transportation*

Merlan E. Paaverud, Jr.
Director

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September 19, 2012

Judith R. Cooper
Principal Investigator
SWCA Environmental Consultants
116 North 4th Street, Suite 200
Bismarck, North Dakota 58501

NDSHPO REF.: 12-0400b PSC Plains All-American Pipeline LP, Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota: Addendum Class III CRI Report: The Little Knife Reroute

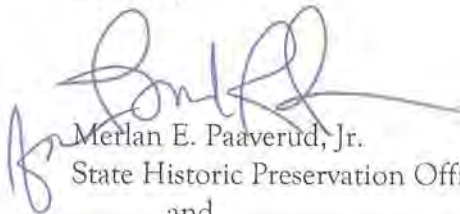
Dear Judy:

We have reviewed correspondence and project document for 12-0400b PSC Plains All-American Pipeline LP, Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota: "Addendum to the Class I and Class III Cultural Resource Inventory of the Plains All-American Pipeline Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota: The Little Knife Reroute," by Damien S. Reinhart (SWCA 12-408, September 2012), and find it acceptable.

We concur with "*No Significant Sites Affected*" and "*No Historic Properties Affected*" determinations provided the project is of the nature stated, it takes place in the location plotted and mapped in the project documentation and as outlined in the report.

Thank you for the opportunity to review this project. If you have questions please contact either Paul Picha at ppicha@nd.gov or (701) 328-3574 or Susan Quinnell at squinnell@nd.gov or (701) 328-3576.

Sincerely,



Merlan E. Paaverud, Jr.
State Historic Preservation Officer (North Dakota)
and
Director, State Historical Society of North Dakota
c: Patrick Fahn, ND PSC

September 18, 2012

Paul R. Picha, Chief Archeologist
State Historical Society of North Dakota
Archeology & Historic Preservation Division
612 East Boulevard Avenue
Bismarck, ND 58505-0830

RE: Addendum to a Class I and Class III Cultural Resource Inventory of the Plains All-American Pipeline Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota: The Little Knife River Reroute

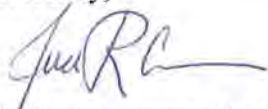
Dear Mr. Picha:

Enclosed is a copy of a report entitled *Addendum to A Class I and Class III Cultural Resource Inventory of the Plains All-American Pipeline Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota: The Little Knife River Reroute*. This report documents a recent cultural resource inventory of the Plains All American Pipeline, L.P. (PAA) Nelson Takeoff to Ross Pipeline Little Knife River reroute. SWCA Environmental Consultants (SWCA) performed the inventory as part of PAA's permit application to the North Dakota Public Service Commission. Two previous manuscripts and a letter, filed under State Historical Society of North Dakota (SHSND) Reference # 12-0400, have been submitted for this project to date:

- Manuscript (Lechert and Herson 2012): *A Class I and Class III Cultural Resource Inventory of the Plains All-American Pipeline Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota*
- Manuscript (Altizer 2012): *Addendum to a Class I and Class III Cultural Resource Inventory of the Plains All-American Pipeline Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota*.
- Letter Filing (Cooper 2012): *NDSHPO REF.: 12-0400 PSC Plains All-American Pipeline LP, Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota: Reroute*

The proposed reroute would allow for additional HDD workspace near the Little Knife River crossing. A total of 3.41 acres were newly inventoried for the project. No cultural resources were identified during the inventory. SWCA recommends that a determination of *No Historic Properties Affected* and *No Significant Sites Affected* be granted and for the project to proceed as planned. Please notify SWCA of the results of your review at your earliest convenience.

Sincerely,



Judith R. Cooper, Ph.D.
Cultural Resources Lead/Principal Investigator

Appendix D

Natural Resource Report



ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.

Bismarck Office
116 N. 4th Street, Suite 200
Bismarck, ND 58501
701.258.6622
www.swca.com

September 20, 2012

Mr. Jim Fleetwood
Plains All American Pipeline, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002

Dear Mr. Fleetwood,

This letter presents the results of the natural resources field surveys conducted by SWCA Environmental Consultants (SWCA) for the Little Knife River reroute of the Nelson Takeoff to Ross Pipeline. Plains All American Pipeline, L.P. (PAA) contacted SWCA and requested professional natural and cultural resource services be conducted in order to identify exclusion and avoidance areas as specified in North Dakota Administrative Code 69-06-08-02. SWCA surveyed approximately 3.41 additional acres to accommodate for the reroute of the Little Knife River horizontal directional drill (HDD).

SWCA conducted natural resources field surveys of the Little Knife River HDD survey area on September 14, 2012, to determine the potential presence and extent of wetlands and waterbodies. This includes jurisdictional waters of the U.S., commonly referred to as wetland and ordinary high water mark (OHWM) determinations. Concurrently with the wetland determination, SWCA conducted a cursory threatened and endangered species survey and habitat assessment; a tree, sapling, and shrub enumeration survey; and a noxious weed survey. The attached site layout map illustrates the survey area and natural resource features identified during the field surveys.

This letter is written in support of the natural resources and wetland determination report submitted by SWCA for the PAA Nelson Takeoff to Ross Pipeline project in Mountrail County, North Dakota (Bivens and Christensen 2012¹) and presents the results of the aforementioned surveys. Survey methodologies followed those described in Bivens and Christensen (2012) and included wetland and waterbody determinations; tree, sapling, and shrub counts; and wildlife surveys including threatened and endangered species.

Wetlands and Waterbodies

SWCA extended the boundary of the Little Knife River (NRCSTR3) and associated fringe wetland to accommodate for the HDD reroute. The originally proposed HDD would contain

¹ Bivens, J., and P. Christensen. 2012. Natural Resources and Wetland Determination Report for the PAA Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota. Prepared by SWCA Environmental Consultants for Plains All American Pipeline, L.P.

approximately 1.989 acres (Bivens and Christensen 2012) of the Little Knife River within the construction right-of-way (ROW). The newly proposed HDD would cross approximately 1.02 acres that would fall within the ROW of the Little Knife River HDD crossing, which is 0.969 acre less than the originally proposed HDD. Crossing the river via HDD would result in no surface disturbance.

Vegetation

No additional trees, saplings, or shrubs occur with the additional survey area. Further, no noxious weed assemblages were observed within the survey area. Upland vegetative communities within the additional survey area are dominated by Kentucky bluegrass (*Poa pratensis*), stiff goldenrod (*Solidago rigida*), and common sow thistle (*Sonchus uliginosus*). Wetland plant communities include cloaked bulrush (*Scirpus pallidus*), prairie cordgrass (*Spartina pectinata*), broadleaf cattail (*Typha latifolia*), and foxtail barley (*Hordeum jubatum*).

Wildlife Observations

SWCA conducted a cursory threatened and endangered species habitat assessment concurrently with the wetland determination. Ecologists did not observe any primary (i.e., actual sighting) or secondary (i.e., tracks, scat, fur) indication of the presence of threatened or endangered species. The additional survey area does contain suitable foraging and stopover habitat for the whooping crane (*Grus americana*). Affects determinations do not differ from those proposed in the original report (Bivens and Christensen 2012).

Summary

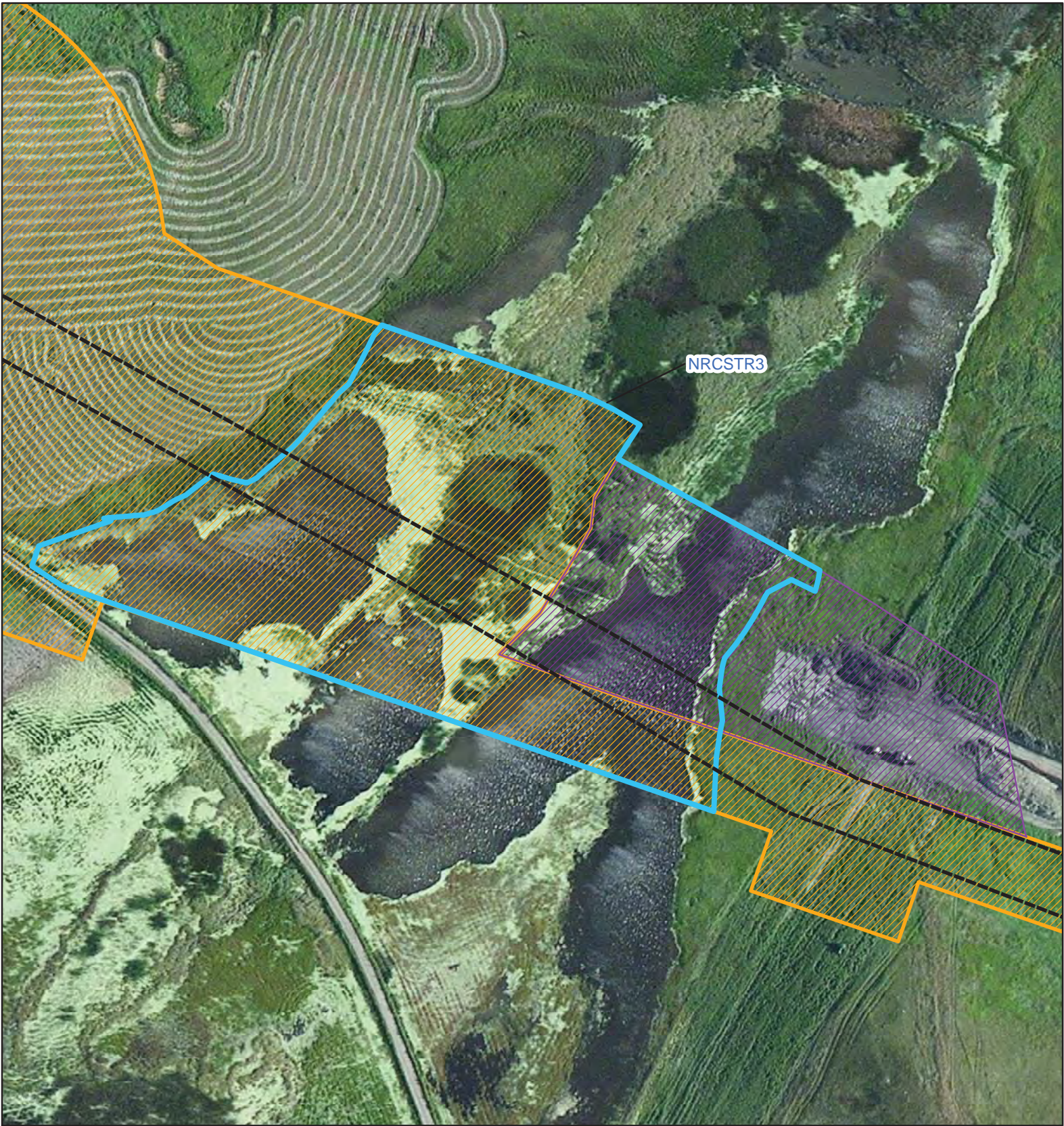
SWCA inventoried an additional 3.41 acres on September 14, 2012, for the Little Knife River HDD reroute. SWCA extended the boundary of the Little Knife River. As a result of the reroute, approximately 1.02 acres of the Little Knife River will fall within the proposed construction corridor, which is 0.969 acre less than the originally proposed HDD. Since the entire Little Knife River will be crossed via HDD, no surface disturbance will occur. In addition, SWCA did not observe any threatened or endangered species, tree saplings or shrubs, or noxious weed assemblages during reroute surveys. SWCA does not anticipate any additional impact to aforementioned natural resources.

If you have any questions or require further analysis, please contact me at (701) 258-6622, or via email at jbivens@swca.com.





Sincerely,

A handwritten signature in black ink, appearing to read 'JB', is written over a faint, larger signature that is partially obscured.

Jason Bivens
Environmental Specialist/Project Manager



Nelson Takeoff to Ross Pipeline Little Knife River Reroute

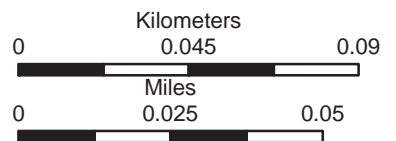
-  Proposed Construction ROW
-  Stream
-  Current Survey Area
-  Previous Survey Area

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ENVIRONMENTAL CONSULTANTS

116 North 4th Street
Suite 200
Bismarck, ND 58501

Phone: 701.258.6622
Fax: 701.258.5957

www.swca.com



Base Map: Aerial Imagery
Source: Bing Maps Aerial
Quadrangle: Stanley (1981)
T. 156N, R. 91W
Mountrail County, North Dakota



Scale: 1:2,000 NAD 1983 UTM Zone 13N

Appendix E

Cultural Resource Report

**Addendum to the Class I and Class
III Cultural Resource Inventory of the
Plains All-American Pipeline Nelson
Takeoff to Ross Pipeline, Mountrail
County, North Dakota: The Little
Knife River Reroute**

Prepared for

Plains All-American Pipeline, L.P.

Prepared by

SWCA Environmental Consultants

September 2012

MANUSCRIPT DATA RECORD FORM

1. Manuscript Number:
2. SHPO Reference #:
3. Author(s): Damien S. Reinhart
4. Title: Addendum to a Class I and Class III Cultural Resource Inventory of the Plains All-American Pipeline Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota: The Little Knife River Reroute
5. Report Date: September 18, 2012
6. Number of Pages: 18
7. Type – I, T, E, O: I
8. Acres: 3.41
9. Legal Location(s) (no quarter sections) with Historic Context Study Unit(s):
Consult the township tables in *The North Dakota Comprehensive Plan for Historic Preservation: Archeological Component*, (SHSND 2008; available at <http://history.nd.gov/hp/hpforms.html>) for Study Unit assignments.
Study Units: LM, CB, KN, HE, SM, GA, JA, GR, NR, SR, SO, SH, YE

<u>COUNTY</u>	<u>TWP</u>	<u>RNG</u>	<u>SEC</u>	<u>SU</u>
Mountrail	156N	91W	32	GA

**Addendum to the Class I and Class III Cultural Resource Inventory of the
Plains All-American Pipeline Nelson Takeoff to Ross Pipeline, Mountrail
County, North Dakota: The Little Knife River Reroute**

Submitted to:

State Historical Society of North Dakota

Prepared for:

**Plains All-American Pipeline, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002**

Prepared by:

Damien S. Reinhart

Principal Investigator:

Judith R. Cooper

**SWCA Environmental Consultants
116 North 4th Street, Suite 200
Bismarck, North Dakota 58501**

SWCA Cultural Resource Report Number 12-408
Addendum to SWCA Cultural Resource Report Number 11-591

September 18, 2012

ABSTRACT

This report is an addendum to the Class I and Class III report for the cultural resource inventory of the Plains All-American Pipeline Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota (Lechert and Herson 2012) and presents the results of a Class III cultural resource inventory conducted by SWCA Environmental Consultants (SWCA) on September 14, 2012, on behalf of Plains All-American Pipeline, L.P. (PAA), for the proposed Little Knife River reroute. Upon the request of the North Dakota Public Service Commission (NDPSC), additional acreage was inventoried adjacent to the Little Knife River to allow for the repositioning of horizontal directional drill equipment. The additional survey area consists of 3.41 acres in Mountrail County, North Dakota, near the town of Stanley, on privately owned lands in Section 32 of Township 156 North, Range 91 West.

The jurisdictional agency presiding over the construction of the Nelson Takeoff to Ross pipeline is the NDPSC. PAA retained SWCA to complete a Class I and Class III cultural resource inventory for the project.

The survey area is irregularly shaped and combines both block and linear inventory areas to allow PAA additional work space, as needed. In total, 3.41 acres were newly inventoried for the project. The proposed pipeline reroute would be constructed within the area surveyed by SWCA during the current and previous inventory (Lechert and Herson 2012).

No cultural resources were observed during the course of the reroute inventory. It is recommended that the project be granted a determination of *No Historic Properties Affected* and *No Significant Sites Affected* and clearance to proceed as planned.

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FIELDWORK METHODS	5
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CONCLUSIONS.....	7
REFERENCES CITED	8

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3 Project area aerial map.....	4
4 Project area overview, from south edge of reroute, facing north.....	6
5 Project area overview, showing edge of the Little Knife River, facing north.	6

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INTRODUCTION

This addendum report presents the results of a Class III cultural resource inventory conducted by SWCA Environmental Consultants (SWCA) on September 14, 2012, on behalf of Plains All-American Pipeline, L.P. (PAA), for the proposed Plains All-American Pipeline Nelson Takeoff to Ross Little Knife River reroute. The jurisdictional agency presiding over the construction of the Nelson Takeoff to Ross pipeline is the North Dakota Public Service Commission (NDPSC). Upon the request of the NDPSC, additional acreage was inventoried adjacent to the Little Knife River to allow for the repositioning of horizontal directional drill (HDD) equipment. The additional survey area consists of 3.41 acres in Mountrail County, North Dakota, near the town of Stanley, on privately owned lands (Figure 1).

For the pipeline project in its entirety, approximately 1,097 acres were previously inventoried on private lands in North Dakota (Altizer 2012; Lechert and Herson 2012). The additional survey area discussed herein consists of 3.41 acres to accommodate a HDD reroute. The Class III survey area is irregularly shaped and combines both block and linear (200-foot-wide) inventory areas to allow PAA additional work space, as needed (Figures 2–3). In total, 3.41 acres were inventoried for the project. The reroute inventory area is in Mountrail County, North Dakota, near the town of Stanley, on privately owned lands in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 32 of Township (T) 156 North (N), Range (R) 91 West (W). The inventoried area is depicted on the Stanley (1981), North Dakota, U.S. Geological Survey topographic quadrangle.

For the cultural resource investigation, Judith Cooper served as Principal Investigator. Fieldwork was performed by Chandler S. Herson (permitted archaeologist within the State of North Dakota). All field notes and photographs are on file at SWCA's Bismarck, North Dakota, office under project number 20655.

A Addendum to the Class I and Class III Cultural Resource Inventory of the Plains All-American Pipeline Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota: The Little Knife River Reroute

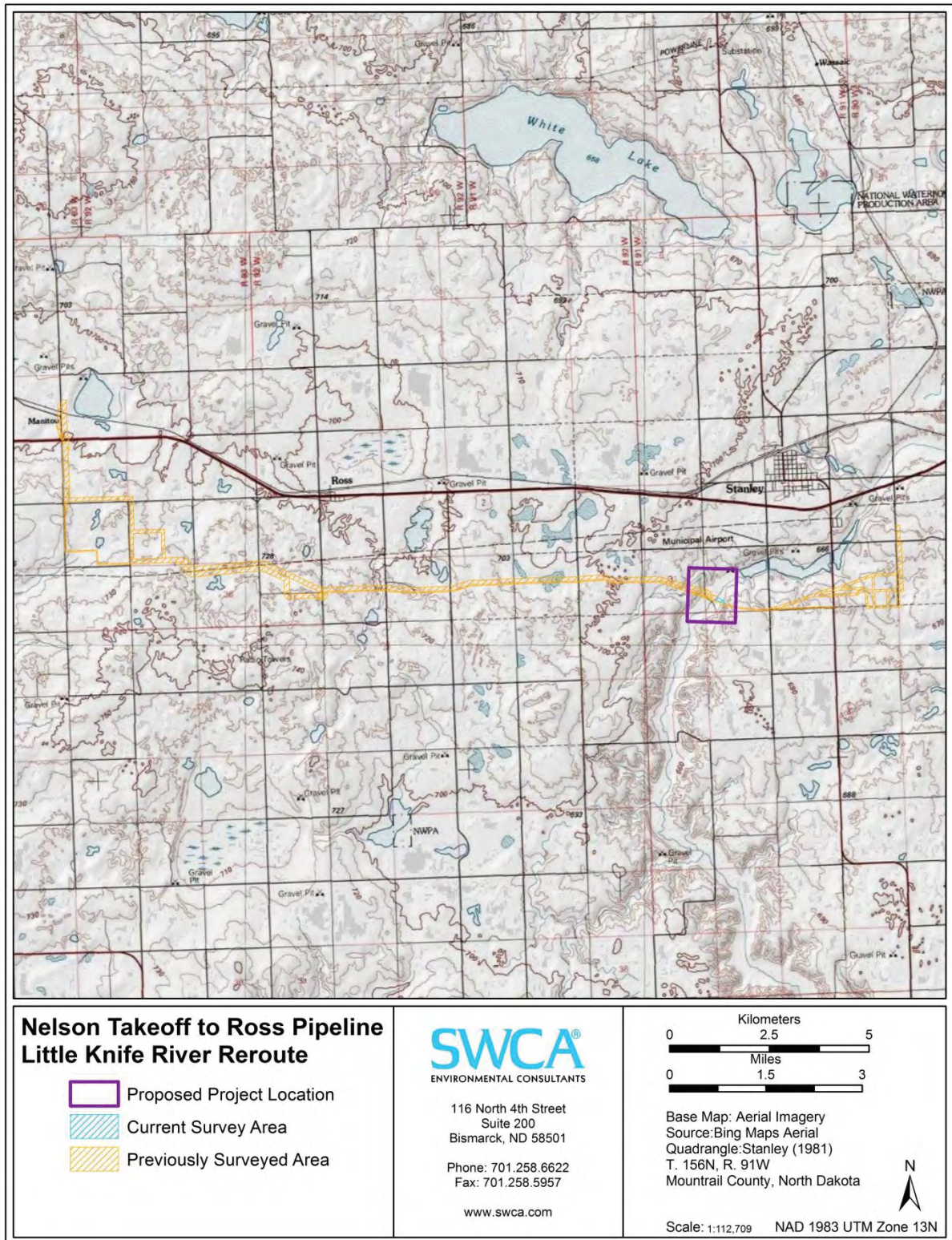


Figure 1. Project area overview map.

A Addendum to the Class I and Class III Cultural Resource Inventory of the Plains All-American Pipeline Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota: The Little Knife River Reroute

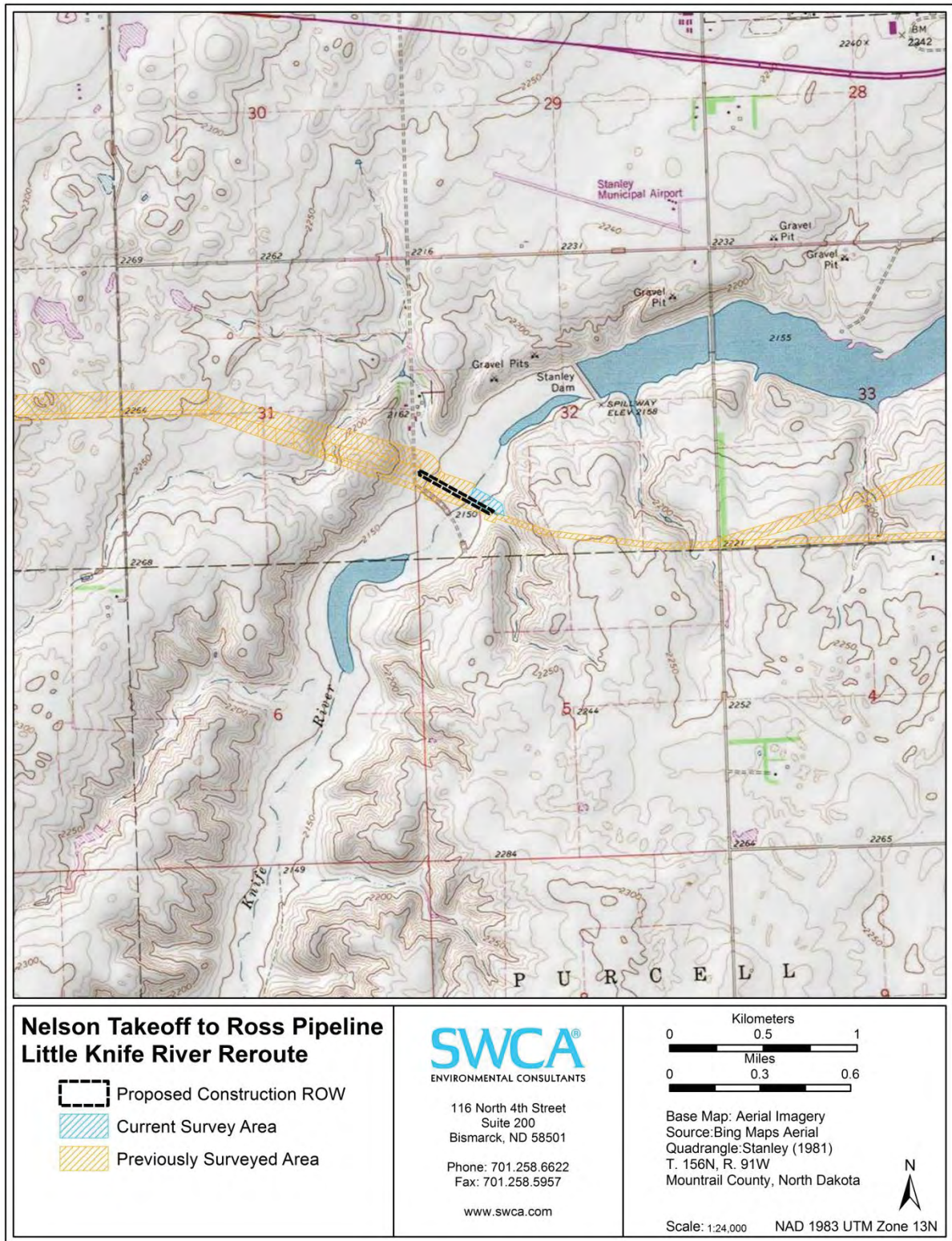


Figure 2. Project area map.

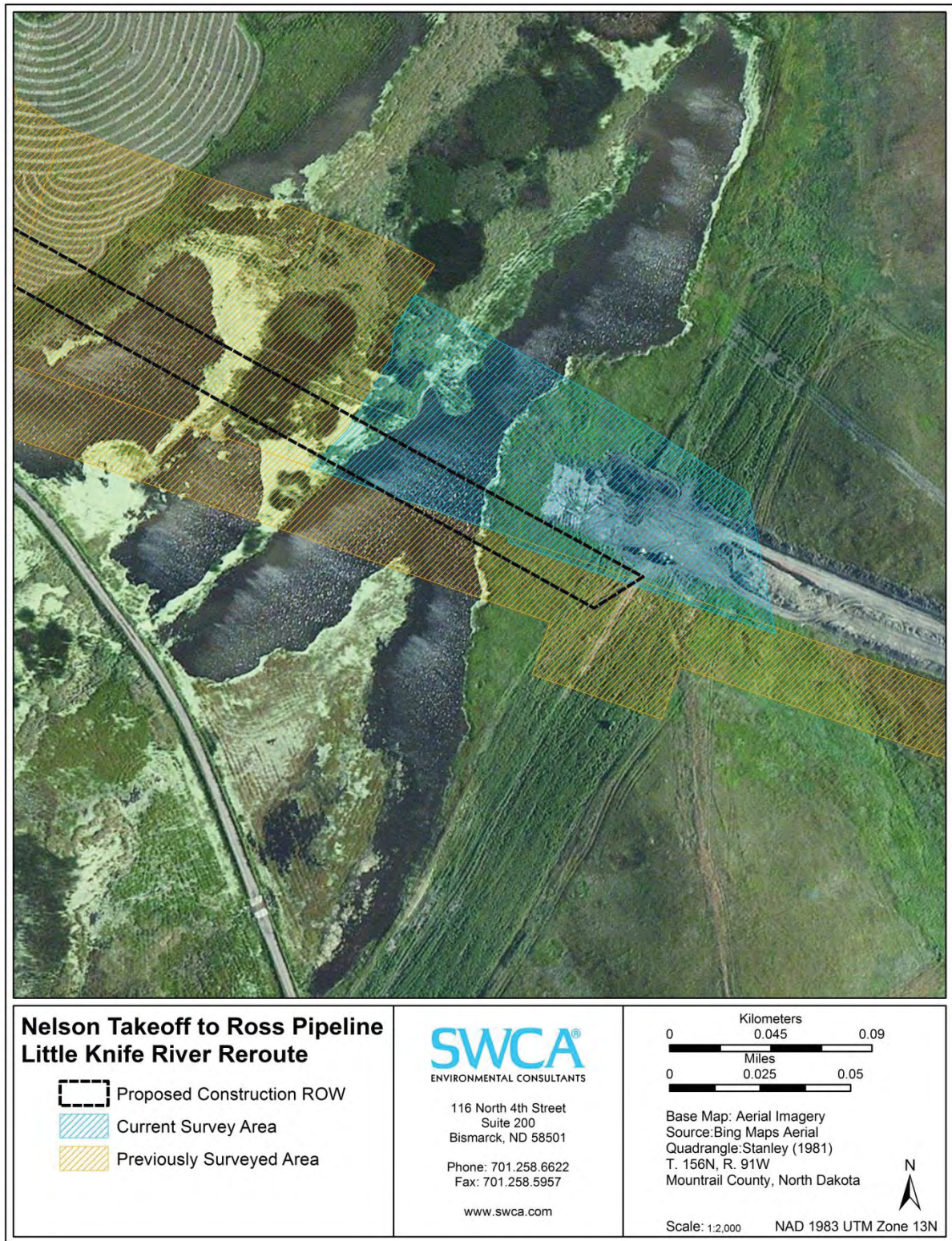


Figure 3. Project area aerial map.

PROJECT SETTING AND BACKGROUND

The project setting, including discussions of the topography, climate, hydrology, geology, soils, and flora and fauna; environmental constraints; and cultural and historic overviews are described in the original Class I and Class III report (Lechert and Herson 2012).

BACKGROUND RESEARCH

As part of the initial phase of this investigation, SWCA conducted a background search of archaeological and historical literature and records for the project area and surrounding 1-mile area. Researchers searched relevant records holdings at the State Historical Society of North Dakota and other available sources for information regarding previously recorded historic and prehistoric sites located within the project area. Background research was conducted on September 7, 2011. The results of this search are detailed in Lechert and Herson (2012). No previously recorded sites are located within the reroute survey area.

FIELDWORK METHODS

The survey area included a 200-foot-wide corridor centered on the proposed pipeline reroute alignment. Inventory was conducted by means of pedestrian transects spaced at no more than 15 meters. No subsurface testing was conducted. For a detailed discussion of the project survey methods, refer to Lechert and Herson (2012).

INVENTORY RESULTS AND RECOMMENDATIONS

SWCA performed a Class III inventory of the proposed reroute on September 14, 2012. The proposed reroute travels through mixed grasses and some wetland vegetation including smooth brome, crested wheatgrass, and Kentucky bluegrass. Bare ground visibility was 5 percent within grassy areas (50 percent of inventory area) with 90 percent ground surface visibility in existing disturbance areas caused by nearby pipeline construction (Figures 4 and 5). Soils throughout the project area consist of light brown clay formed through residual, colluvial, and alluvial processes. Major impacts to the project area include pipeline construction and vehicle traffic. No cultural resources were newly recorded by SWCA archaeologists during the course of the inventory and no previously recorded cultural resources are located within the reroute survey area.



Figure 4. Project area overview, from south edge of reroute, facing north.



Figure 5. Project area overview, showing edge of the Little Knife River, facing north.

CONCLUSIONS

On September 14, 2012, SWCA conducted a Class III inventory for the proposed Nelson Takeoff to Ross pipeline Little Knife River reroute. The goal of the Class III inventory was to survey an area to allow for additional HDD workspace adjacent the Little Knife River. The project area is located on privately owned lands in Section 32, T156N, R91W, in Mountrail County, North Dakota, near the town of Stanley. In total, 3.41 acres were inventoried for the reroute project. All proposed construction activities would remain within the inventoried area.

No cultural resources were observed during the course of the reroute inventory. It is recommended that the project be granted a determination of *No Historic Properties Affected* and *No Significant Sites Affected* and clearance to proceed as planned.

REFERENCES CITED

Altizer, Kendy

2012 *Addendum to a Class I and Class III Cultural Resource Inventory of the Plains All-American Pipeline Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota.* Prepared by SWCA Environmental Consultants for Plains All-American Pipeline, L.P., Houston, Texas.

Lechert, Stephanie, and Chandler S. Herson

2012 *A Class I and Class III Cultural Resource Inventory of the Plains All-American Pipeline Nelson Takeoff to Ross Pipeline, Mountrail County, North Dakota.* Prepared by SWCA Environmental Consultants for Plains All-American Pipeline, L.P., Houston, Texas.

Appendix F

Landowner Communication

September 17, 2012

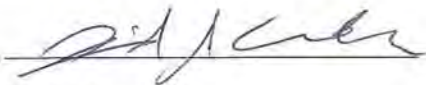
David and Stephanie Enander
6061 83rd Ave. NW
Stanley, ND 58784

RE: Pipeline Easement, Payment Agreement
Township 156 North, Range 91 West
Section 32: SW4
Mountrail County, ND

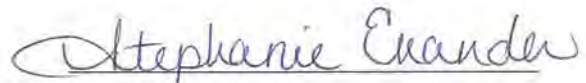
Greetings David and Stephanie,

Pursuant to your conversation with Kim Duursma on 9/6/2012 you gave Plains Pipeline permission to alter the pipeline route where it will cross the Knife River, and told Kim it was a better route. Please sign below acknowledging that you gave Plains Pipeline Permission to re-route the ROW route on your land for the Nelson to Ross Pipeline.

If you have any questions on the above matter please contact me at the telephone number listed below. Thank you for your consideration in this matter. *I am in full agreement to rerouting pipeline to the new proposed route.*



David Enander

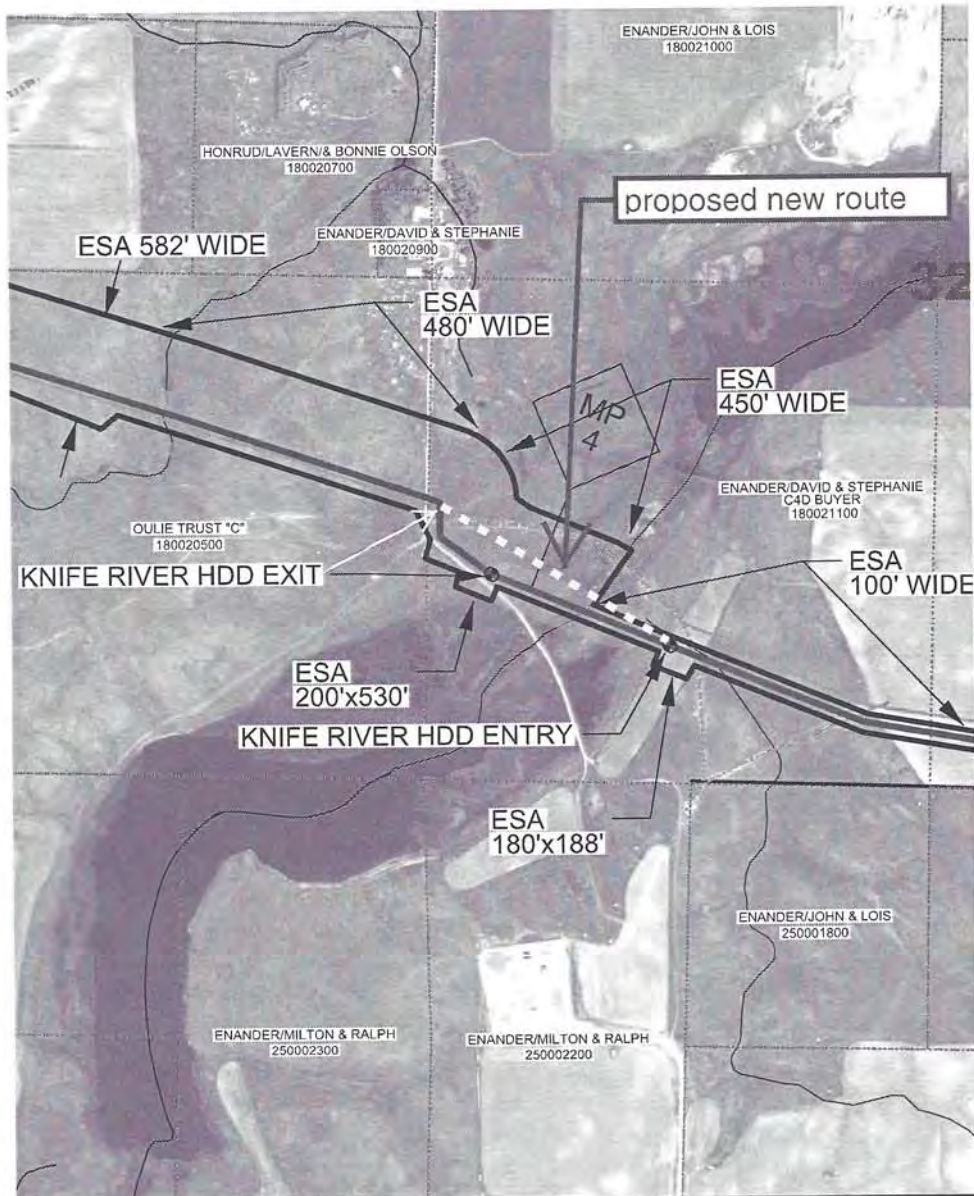


Stephanie Enander

Sincerely,



Kimberly Duursma
Land Agent for B J Kadrmas Inc.
701-516-2583



REVISIONS					
REV. NO.	DESCRIPTION	DWN	CHKD	DATE	
0	ISSUED FOR CONSTRUCTION	JW	GB	4-18-12	
PAGES					



PLAINS
ALL AMERICAN
PIPELINE, L.P.

NELSON TO ROSS PIPELINE
PROPOSED ROUTE OVERVIEW #2
MOUNTRAIL COUNTY, NORTH DAKOTA

Stephanie Enander

Appendix G

Certification Statement

CERTIFICATION OF APPLICANT COMPLIANCE WITH TRANSMISSION CORRIDOR AND ROUTE SITING CRITERIA (N.D. Admin. Code 69-06-08-02)

PLAINS PIPELINE, L.P.

I, Irvin James Fleetwood Jr., a duly authorized agent of Plains Pipeline, L.P. (Plains), do hereby certify under oath:

1. That the North Dakota Public Service Commission previously granted unto Plains Pipelines, L.P. the authority under (Case No. PU-12-040) Certificate of Corridor Compatibility Number 133 and Route Permit Number 143 to construct the Nelson Take-Off to Ross Pipeline Project in Mountrail County, North Dakota;
2. The proposed route improvement at the Little Knife River will move the workspace necessary to complete the waterbody crossing, landward from the associated wetland boundaries;
3. There is no practicable alternative to the proposed alignment;
4. The affected landowner has endorsed the proposed alignment;
5. The construction of the proposed route improvement will not affect any known exclusion or avoidance area; and
6. That Plains will comply with all applicable conditions and protections in siting law and rules and commission orders previously issued for any part of the Nelson Take-Off to Ross Pipeline Project.

Dated Mills, Wyoming, this 24th day of September, 2012

Irvin James Fleetwood Jr.
Irvin James Fleetwood Jr.

This instrument was acknowledged before me this 24th day of September, 2012 by Irvin James Fleetwood Jr. on behalf of Plains.

Sign: Christina Sparby

Print: Christina Sparby, Notary Public

My Commission Expires: 11/16/15

