

BEFORE THE PUBLIC SERVICE COMMISSION

STATE OF NORTH DAKOTA

CASE NO. PU-05-184

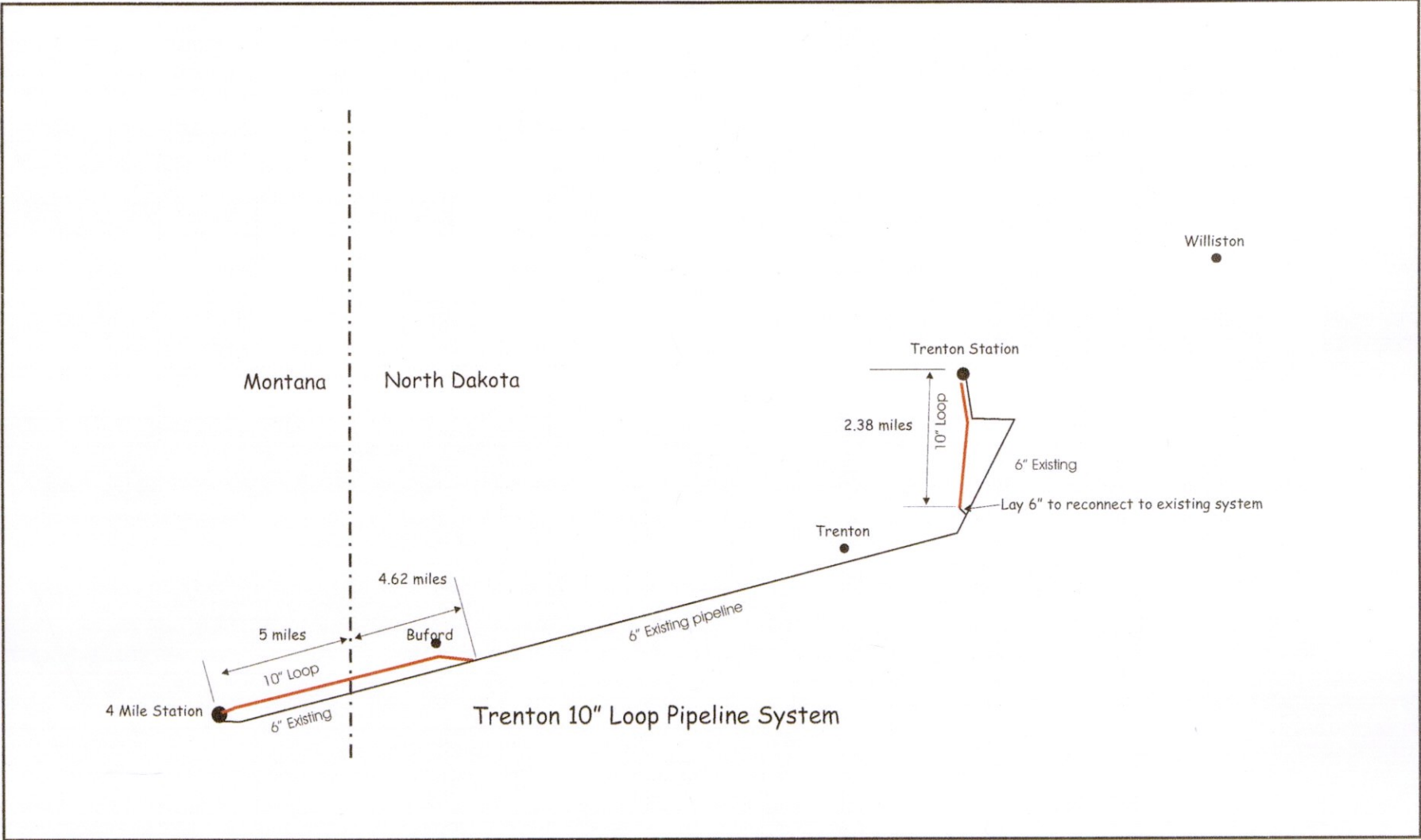
IN THE MATTER OF THE APPLICATION OF PLAINS PIPELINE, L.P., FOR THE CONSTRUCTION OF APPROXIMATELY 2.38 MILES OF 10-INCH PIPELINE AND 1,000 FEET OF 6-INCH PIPELINE IN WILLIAMS COUNTY, NORTH DAKOTA, ADJACENT TO THE NORTHERNMOST PORTION OF THE TRENTON PIPELINE SYSTEM FOR THE PURPOSE OF INCREASING CAPACITY OF THE PIPELINE IN TRANSPORTING CRUDE OIL FROM RICHLAND COUNTY, MONTANA AND MCKENZIE AND WILLIAMS COUNTIES, NORTH DAKOTA, FOR DELIVERY TO TRENTON STATION LOCATED APPROXIMATELY 5 MILES SOUTHWEST OF WILLISTON, NORTH DAKOTA.

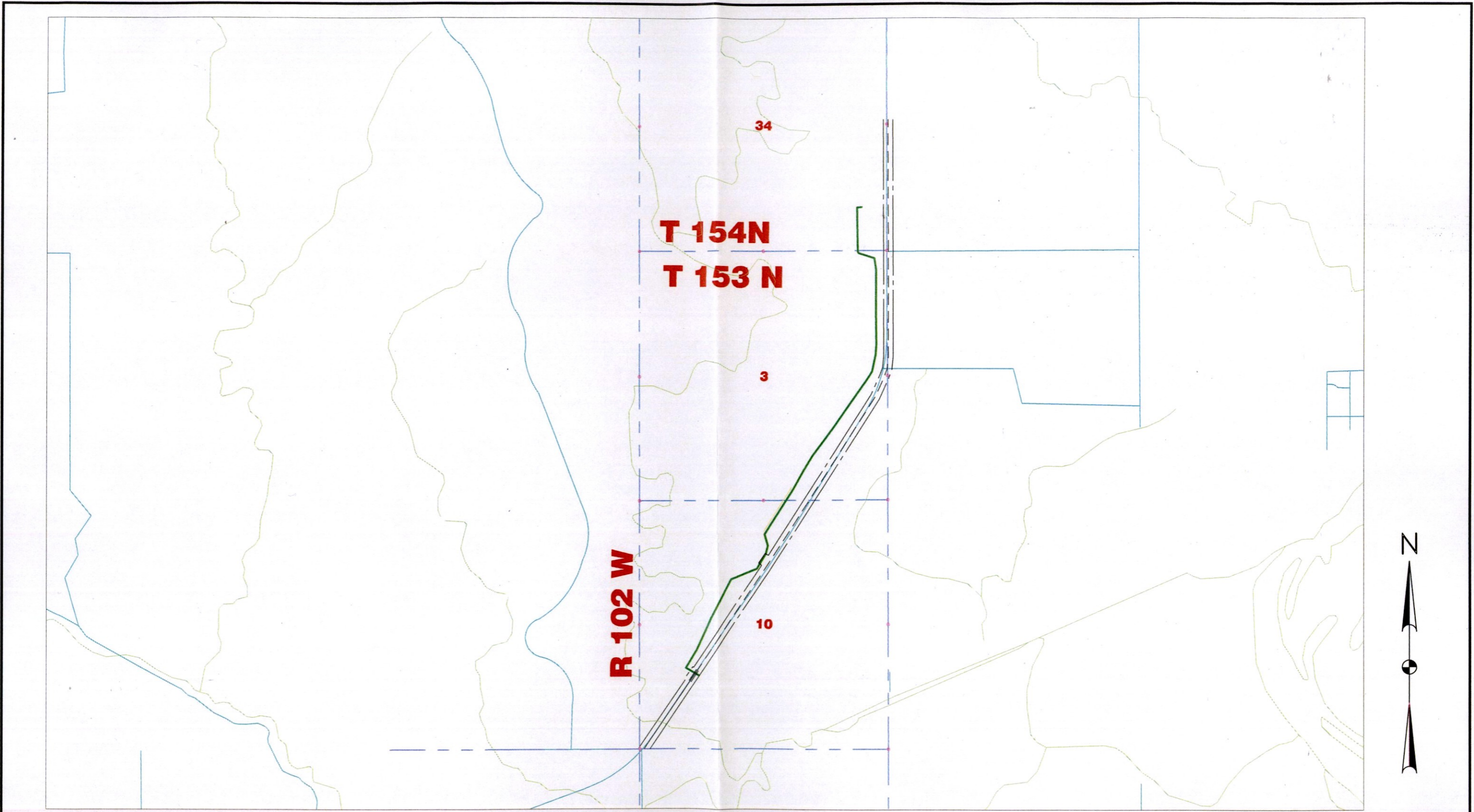
APPENDIX

TO THE CONSOLIDATED APPLICATION
OF PLAINS PIPELINE, L.P. FOR WAIVER OF PROCEDURES
AND TIME SCHEDULES AND FOR
CERTIFICATE OF CORRIDOR COMPATIBILITY
AND ROUTE PERMIT

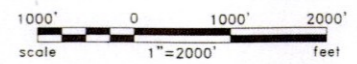
June 20, 2005

PEARCE & DURICK
LAWRENCE BENDER
Attorneys for Applicant, Plains Pipeline, L.P.
314 East Thayer Avenue
Post Office Box 400
Bismarck, North Dakota 58502





— Proposed Pipeline Route



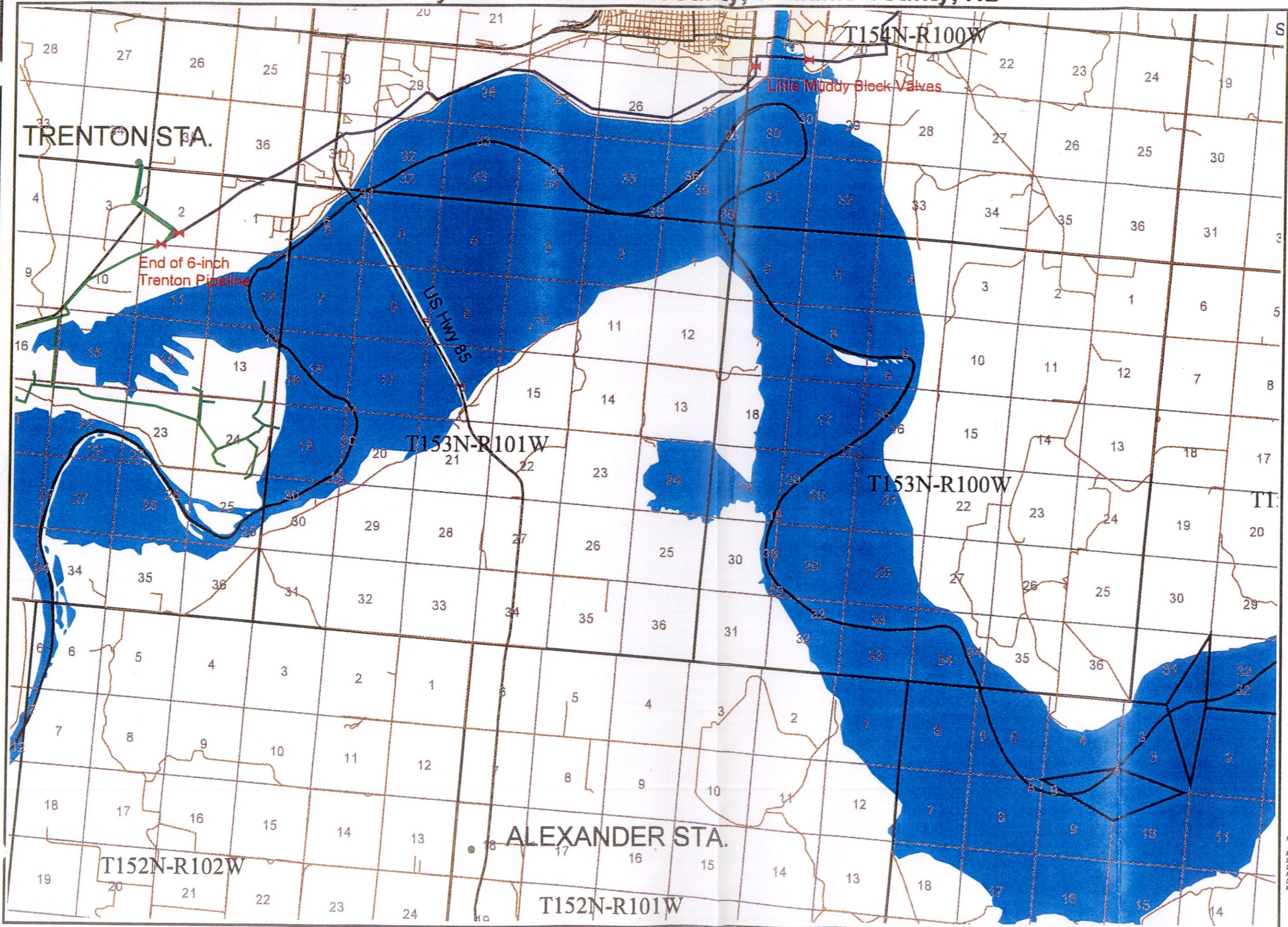
Rev'd. 06/13/2005		SHEET NO.	
Plains Marketing		3	
Trenton Expansion			
Richland County, MT/McKenzie & Williams Counties, ND			
Kadmas Lee & Jackson		10" Crude Line PROJECT MAP PHASE III	
Engineers, Surveyors and Planners	DRWN BY EMM	CHK'D BY CMH	PROJECT NO. 3704155
			DATE 06/10/2005
J:\oilfield\plains_marketing\3704155\cad\3704155bas07.dwg		project_map_3	
© Kadmas, Lee & Jackson 2005			

A4 North Dakota System - McKenzie County, Williams County, ND



Legend

- Block Valve
- Station
- Crude Pipeline
 - ACTIVE
 - INACTIVE
- Highway
- Roads

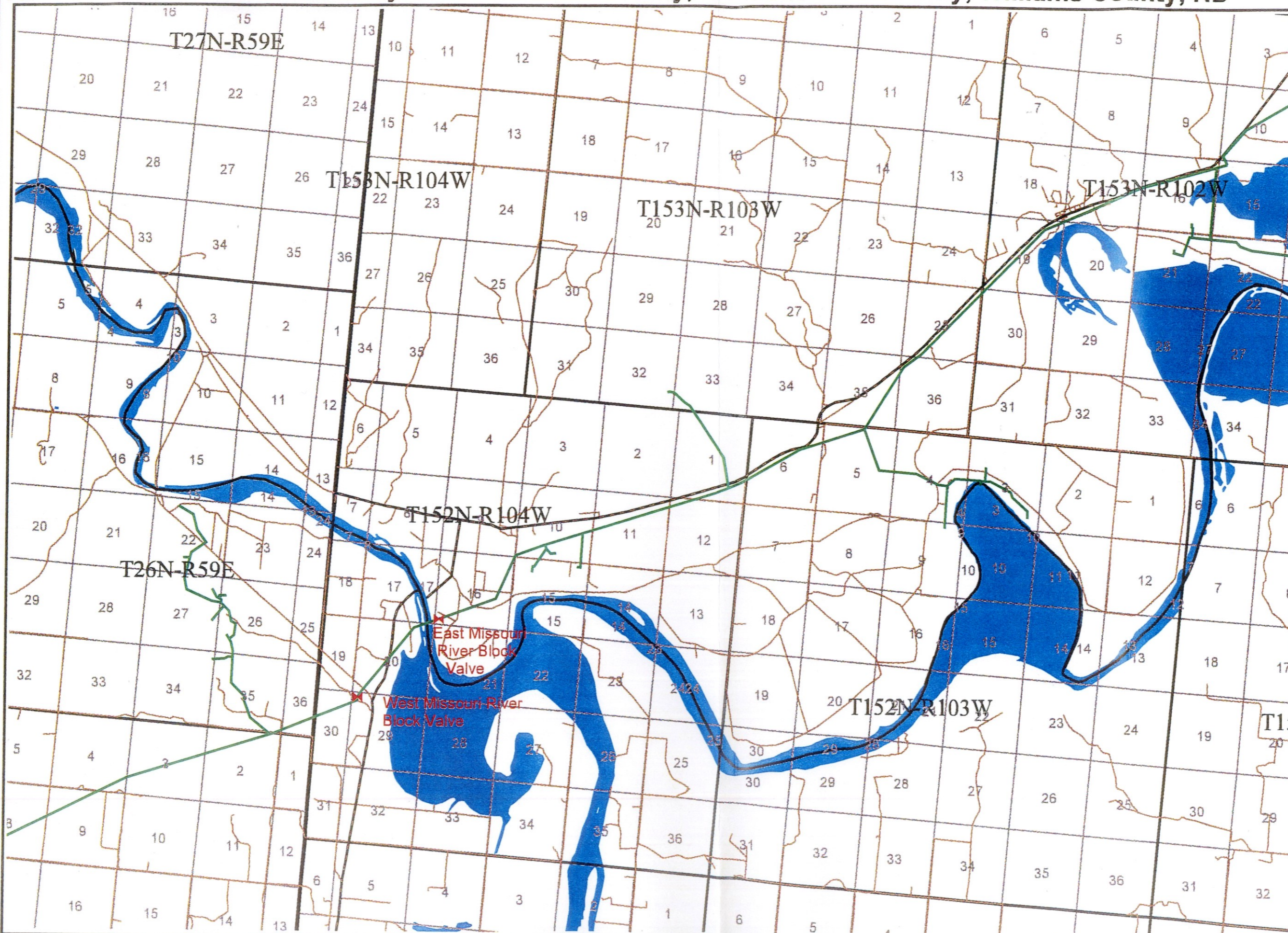


Projection: Projections of U.S. Lambert Conformal Conic
Map Unit: 1 Unit = 1 Foot
Drawn By: Matt Hunsberger
Date: 1-4-06
Requested By: IDS GIS Group
Directory: I:\projects\nd\board\ndsystem.apr
Project Name:



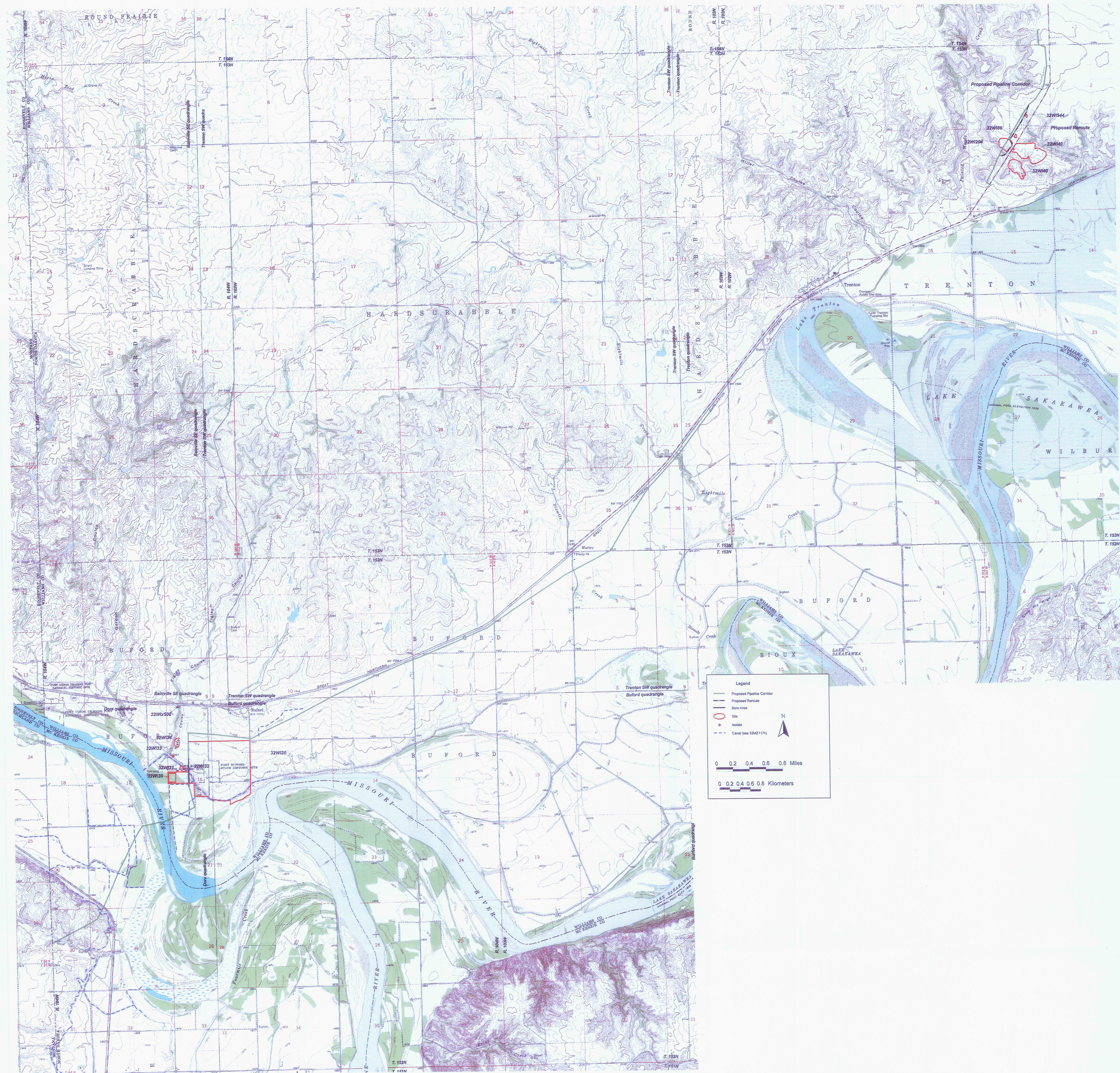
Legend

- Block Valve
- Station
- Crude Pipeline
- ACTIVE
- INACTIVE
- Highway
- Roads



Projection: Projections of U.S. Lambert Conformal Conic
 Map Units: 1 Unit = 1 Foot
 Drawn By: Matt Hunsberger
 Date: 1-4-08
 Requested By: ISB GIS group
 Draftsman: jprojects@bward.ndsystem.com
 Project Name:

Appendix C:
Project Topographic Coverage



Legend

- Proposed Pipeline Corridor
- Proposed Reroute
- Shore Area
- Site
- Isolate
- Canal (see 32M21174)

N

0 0.2 0.4 0.6 0.8 Miles

0 0.2 0.4 0.6 0.8 Kilometers

PLAINS PIPELINE LIMITED PARTNERSHIP

TEN-YEAR PLAN

Introduction

Plains Pipeline Limited Partnership [hereafter known as "Plains"] controls various pipeline transmission facilities in the State of North Dakota subject to the provisions of N.D.C.C. § 49-22-04. The ten-year plan of Plains Pipeline Limited Partnership is as follows:

(NOTE: The following assets were formerly owned by the following entities:
Koch Gathering Systems, Inc. and/or Koch Pipelines, Inc.(previous to December 1, 1998),
EOTT Energy Pipeline Limited Partnership (December 1, 1998 – October 1, 2003), and
Link Energy Pipeline Limited Partnership (October 1, 2003 -- April 1, 2004).
Plains acquired the Link Energy Pipeline Limited Partnership assets on April 1, 2004.

• Dodge System Transmission Facilities (Pipeline)

1. Fryburg to Dodge Station
 - a. Product type: crude oil
 - b. Length of facility: 68 miles
 - c. Pipe size: 29.7 miles of 4" pipe (INACTIVE) with a 6" loop (ACTIVE) from Fryburg Station to Dickinson Station; 39 miles of 6" pipeline from Dickinson to Dodge Station; 25 miles of 6" pipe from 3 miles west of Dickinson Station to Highway 10 pipeline junction; field gathering lines of 4" and 6" and trucks bring crude oil from production facilities into this system.
 - d. Maximum design operating pressure: 1440 PSI
 - e. Maximum design flow rate: 13,000 BPD
 - f. Pump station specifications: At Fryburg, Plains has the capability of heating the crude oil and pumping at a rate of 270 BPH. Plains has two positive displacement pumps at Fryburg. There is also an injection pump at Dickinson where trucked in crude oil is injected into the pipeline. Oil is also trucked into Fryburg Station.
 - g. Minimum cover over pipe: 48"
 - h. Internal inspection tool was run 03-97 and 05-04.
 - i. As a result of internal inspection, 800' of changeouts were done in 1997 and several additional repairs are scheduled as a result of the recent internal inspection.

2. Rocky Ridge Station to Belfield (Inactive)
 - a. Product type: crude oil (no longer in use)
 - b. Length of facility: 27 miles
 - c. Pipe size: 4"
 - d. Maximum design operating pressure: 1440 PSI
 - e. Maximum design flow rate: Inactive
 - f. Pump station specifications: All pumps have been removed.
 - g. Minimum cover over pipe: 48"

This pipeline is idle. Plains maintains the property, however, to preserve its salvage value or to return it to service should that ever be desired. None of the other pipeline transmission facilities are scheduled for retirement within the next ten years.

3. T-R Field gathering to Little Missouri Pipeline
 - a. Product type: crude oil
 - b. Length of facility: 20 miles
 - c. Pipe size: 12 miles of 4" and 6" pipe
 - d. Maximum design operating pressure: 1200 PSI
 - e. Maximum design flow rate: 4400 BPD
 - f. Pump station specifications: Pumping station is located in the field at T-R Station injecting crude oil at 100-800 PSI at 78 BPH.
 - g. Minimum cover over pipe: 48"
 - h. Internal inspection tool was run 12-96. (No changeouts were required)

4. Diamond Shamrock Gathering to Fryburg Station (Now known as Summit Gathering)
 - a. Product type: crude oil
 - b. Length of facility: 16 miles
 - c. Pipe size: 4" pipeline
 - d. Maximum design operating pressure: 1200 PSI
 - e. Maximum design flow rate: 9000 BPD
 - f. Field pump specifications: Pumps located in the Knutson-Madison Field inject crude oil at a maximum of 900 PSI.
 - g. Minimum cover over pipe: 48"
 - h. Internal inspection tool was run 05-97. (No changeouts were required)

5. Belfield Loop (INACTIVE)
 - a. Product type: crude oil
 - b. Length of facility: 8 miles
 - c. Pipe size: 4" pipeline
 - d. Maximum design operating pressure: 1440 PSI
 - e. Maximum design flow rate: Inactive
 - f. Field pumps specifications: (All pumps have been removed from locations)
 - g. Minimum cover over pipe: 48"
 - * This system is currently idle.

6. Russian Creek Gathering
 - a. Product type: crude oil
 - b. Length of facility: 3.5 miles
 - c. Pipe size: 4" pipeline
 - d. Maximum design operating pressure: 1440 PSI
 - e. Maximum design flow rate: 7000 BPD
 - f. Two field pumps move this product into the Fryburg-Dodge system.
 - g. Minimum cover over pipe: 48"

7. Lodgepole Gathering

- a. Product type: crude oil
- b. Length of facility: 13 miles
- c. Pipe size: two-4" pipelines
- d. Maximum design operating pressure: 1440 PSI
- e. Maximum design flow rate: 7000 BPD per each line.
- f. Field pumps move this product into the Fryburg-Dodge system.
- g. Minimum cover over pipe: 48"

8. In-Service "Dates"

- a. The 4" crude oil pipeline from Fryburg Station to Dickinson and the 6" crude oil pipeline from Dickinson to Dodge were placed in service in December 1969. Nine miles of 6" loop, extending west from Dickinson, was built in 1970. The balance of the 6" loop was built in 1978-79. The newest 6" line built in 1995 was built to replace the 4" line that was taken out of service. A five-mile segment of 4" pipeline from Highway 10 to Fryburg was returned to service in May 1999. This line was hydro-tested in 2001 and subsequently taken out of service.
- b. The T-R Field to Fryburg Station line was built in 1978-79.
- c. The Diamond Shamrock gathering line was placed in service in September 1985.
- d. The Belfield Loop line was built in 1983.
- e. The Russian Creek gathering line was placed in service in 1991.
- f. The Dickinson Lodgepole gathering lines were built in 1995-1996.

PROPOSED CONSTRUCTION OF TRANSMISSION FACILITIES DURING THE NEXT FIVE YEARS.

- 1. None anticipated

PROPOSED CONSTRUCTION OF TRANSMISSION FACILITIES DURING THE NEXT TEN YEARS.

- 1. None anticipated

• **Whitetail and Killdeer Transmission Facilities (Pipeline)**

1. Whitetail Gathering System

- a. Product type: crude oil
- b. Length of facility: 17 miles
- c. Pipe size: 4"
- d. Maximum design operating pressure: 1440 PSI
- e. Maximum design flow rate: 6720 BPD
- f. Pump station specifications: field gathering injection pumps move product to Whitetail Station.
- g. Minimum cover over pipe: 48"
- h. The Whitetail gathering line was placed in service in 1982.

2. Killdeer Gathering System.

- a. Product type: crude oil
- b. Length of facility: 22 miles
- c. Pipe size: 4" and 6"
- d. Maximum design operating pressure: 1440 PSI
- e. Maximum design flow rate: 7200 BPD
- f. Pump station specifications: field gathering injection pumps move product to Killdeer Station.
- g. The Killdeer gathering line was placed in service in 1987.
- h. Minimum cover over pipe: 48"

PROPOSED CONSTRUCTION OF TRANSMISSION FACILITIES DURING THE NEXT FIVE YEARS.

1. None anticipated

PROPOSED CONSTRUCTION OF TRANSMISSION FACILITIES DURING THE NEXT TEN YEARS.

1. None anticipated

• **Baker/Rhame Transmission Facilities (Pipeline)**

1. Harding Station (South Dakota) to Rhame (Looped)
 - a. Product type: crude oil
 - b. Length of facility: approx. 30 miles (with 15 miles in South Dakota)
 - c. Pipe Size: The pipeline consists of parallel pipelines running the entire distance. The line size in North Dakota is 2", 3" and 4". The line size in South Dakota is 4" and 6".
 - d. Maximum design operating pressure: 1400 PSI
 - e. Maximum design flow rate: 4800 BPD at 1100 PSI
 - f. Pump station specifications: field pumps with low design flow rates.
 - g. Minimum cover over pipe: 48"

2. Rhame Station to Baker (Looped)
 - a. Product type: crude oil
 - b. Length of facility: 47.5 miles
 - c. Pipe Size: The Rhame Station to Baker facility consists of parallel pipelines running the entire distance with an intermediate Marmarth Station. The line size in North Dakota is 6", 4", and 8". The line size in Montana is 4", 4", and 8".
 - d. Maximum design operating pressure: 1400 PSI
 - e. Maximum design flow rate: 30,000 BPD at 1200 PSI
 - f. Pump station specifications: (Rhame and Marmarth combined) one 200 HP, 2651 Gaso pump, and three 200 HP 2652 Gaso pumps, positive displacement, or piston type, with output pressure of 950 PSI and with throughput capacity of 30,000 BPD.
 - g. Minimum cover over pipe: 48"

3. In-Service "Dates"
 - a. The original Rhame Station to Baker line was put in service in 1971 with a 4" loop constructed in 1973, a 6" loop in 1984 and an 8" loop line in 1995. The 8" extension in to North Dakota was built in 1997. Other small gathering lines were constructed in 1995-1997 and 2003-2004.
 - b. The original gathering into Rhame Station was built in 1971. The Harding Station to Rhame Station lines were built and put into service in 1985.

PROPOSED CONSTRUCTION OF TRANSMISSION FACILITIES DURING THE NEXT FIVE YEARS.

1. Three short lateral gathering lines are proposed for construction in 2005.
2. A 30,000 bbl crude oil tank will be constructed at Marmarth Station to improve pipeline flows.
3. Throughput of the main lines is expected to be increased up to 55000 bpd with the planned increase of additional pumping and horsepower capacity in 2004 and 2005.

PROPOSED CONSTRUCTION OF TRANSMISSION FACILITIES DURING THE NEXT TEN YEARS.

1. None anticipated

• **Trenton System Transmission Facilities (Pipeline)**

1. Richland County, MT to Trenton Station near Williston, ND
 - a. Product type: crude oil
 - b. Length of facility: 90 miles (65 miles are in Montana)
 - c. Pipe Size: 4" and 6"
 - d. Maximum design operating pressure: 1440 psi
 - e. Maximum design flow rate: 12,000 bpd
 - f. Pump station specifications: Oil is gathered from production facilities with individual pumps at production sites in North Dakota and Montana. A truck unloading facility, Richland Station, injects crude into the line in Richland County, MT. Oil is gathered to tankage at Trenton Station near Williston, ND. Trucks can also unload at Trenton Station.
 - g. Minimum cover over pipe: 48"
 - h. The Trenton gathering line was placed in service in 1968.
 - i. Internal inspection tool was run in 1997 and 2004.
 - j. 5000' of changeouts were made in 1997-1998. Additional repairs will be made as a result of the recent internal line inspection tool run.

2. East Fork Gathering Pipeline (INACTIVE)
 - a. Product type: crude oil
 - b. Length of facility: 30 miles
 - c. Pipe size: 6" and 4"
 - d. Maximum design operating pressure: 1440 psi
 - e. Maximum design flow rate: 8400 BPD
 - f. Pump specifications: All pumps have been removed from production facilities.
 - g. Minimum pipe cover: 48"
 - h. Internal inspection tool run in 1997.
 - i. No changeouts were required.

This pipeline is currently idle. Plains maintains the property, however, to preserve its salvage value or return it to service should that be desired.

PROPOSED CONSTRUCTION OF TRANSMISSION FACILITIES IN THE NEXT FIVE YEARS:

1. The design flow rate of the six inch mainline will be increased to 25,000 bpd in order to handle increased production in Montana. This will be accomplished by adding additional pumping and horsepower capacity to pipeline stations upstream in Montana.

PROPOSED CONSTRUCTION OF TRANSMISSION FACILITIES IN THE NEXT TEN YEARS:

1. None anticipated

Company Overview

Plains Pipeline Limited Partnership provides crude petroleum transportation services from producing leases to various pipeline or refinery destinations. Ultimately, the crude oil is converted to marketable condition as fuels and lube products. Plains must react to the oil and gas industry's needs for its service on a much shorter time frame than five or ten years. The distances involved are relatively short and the need for the service is generally only foreseeable by a few short months. Long-range planning is valuable only to the extent that it permits Plains to react rapidly and efficiently to industry requirements for pipeline transportation services.

Regional Coordination

Oil and gas exploration activity remains uncertain due to wildly unpredictable crude oil prices. Since petroleum exploration is a highly competitive business, regional planning for production and transportation of oil and gas production is very limited.

It is believed that if the companies engaged in the exploration and production of oil and gas coordinated their plans on a regional basis in order to meet regional fuel requirements as they foresaw them, they would expose themselves to the severe penalties associated with violation of the nation's antitrust laws.

Environmental Information

Plains has developed cooperative working relationships with the U.S. Forest Service, the Bureau of Land Management, the North Dakota Industrial Commission, the North Dakota Public Service Commission, the State Health Department, the State Water Commission, and those counties in which it operates.

Plains selects pipeline corridors and routing to minimize impact as required by the statutes and rules and regulations of the Public Service Commission. Whenever desirable, Plains may employ local environmentalists and archaeologists to assist with planning; local farmers may be employed for restoring cropland to tillable condition following construction. Plains is proud of its safety record in the operation of facilities in North Dakota and is prepared to meet any emergency that should arise in order to minimize the impact of any pipeline failure.

In 1988, a new metering and SCADA supervisory system was installed on the Fryburg to Dodge, Rhame to Baker, and Trenton lines for leak detection purposes. Plains maintains a rigid pipeline integrity program and periodically runs internal line inspection tools to find anomalies and perform required repairs and change outs as needed.

Projected Demand For Services

At the present time, the world market for crude oil is extremely tight. This has led to higher crude oil prices.

Current high prices of crude oil have increased crude oil exploration in North Dakota and surrounding states. As development and production increases, the need for transportation capability also increases. New facilities and pipelines may need to be constructed to meet the growing demands, however, uncertainty and confidentiality of production activities leads to very short range planning by the crude oil gathering and transportation industry.

Additionally, production and development activities are occurring near existing pipeline transportation facilities. Extending pipeline services to these sites can be done to meet the growing transportation demands.

CURRICULUM VITAE

Edward E. Stine
501 4th Ave. NW
Mandan, North Dakota 58554
(701) 667-5716
(701) 471-1934

Education:

1981 University of North Dakota
M.F.A. (Ceramics)

1978 B.A. (Visual Arts)

1976 B.A. (Anthropology), Minor in History

High School: Lac du Bonnet Collegiate
Lac du Bonnet, Manitoba, Canada

Professional Experience:

2002-Present Staff Archaeologist

Metcalf Archaeological Consultants, Inc., Bismarek, North Dakota office. Under the direction of Michael D. Metcalf, I serve as Staff Archaeologist and Principal Investigator for a variety of archaeological investigations in North Dakota. I was the Principal Investigator on recent projects such as archaeological inventories of approximately 70 miles for two Fort Berthold Rural Water Pipelines on the Fort Berthold Indian Reservation, 62.5 miles for the Rhoades 3D Seismic survey in the Little Missouri Badlands, Eight Tree Sites, an inventory of locations across North Dakota, and numerous NDDOT sponsored highway related projects. Duties included supervising crew, communicating progress with clients and Federal/State agencies involved, and devising daily work strategies. I am also responsible for technical writing of many North Dakota, South Dakota, and Montana archaeological investigations.

2001-2002 Field Director

IMA Consulting, Inc., St. Paul, Minnesota. I was in charge of the IMAC North Dakota office. I was under the direction of Beth Nodland, and served as Field Director of the Grasslands Pipeline, an archaeological inventory of approximately 95 miles through the Little Missouri Badlands. I assumed responsibility of communications between various clients and Federal agencies. I was also Principal Investigator for NDDOT highway inventories totaling over 100 miles along Highway 36, Highway 31, and Interstate 94. I was also responsible for the technical writing of all North Dakota archaeological projects.

1997-2001 Field Director

CURRICULUM VITAE

IMA Consulting/Hemisphere Field Services, St. Paul, Minnesota. I was under the direction of Dr. Clark Dobbs, served as Field Director and was in charge of the North Dakota office. I was involved with all phases of archaeology with IMAC/HFS. As Field Director in North Dakota, I was responsible for inventory, testing, data recovery, and technical writing for the Alliance Pipeline which stretched across approximately 300 miles of Drift Prairie in North Dakota. I successfully managed crews of up to 20 people for the Alliance Pipeline project. I was also Principal Investigator for other North Dakota archaeological projects including test excavations for the US Army Corps of Engineers at Lake Ashtabula and a canoe based, float survey of the Sheyenne River.

1991-1997 Staff Archaeologist

Metcalf Archaeological Consultants, Inc., Bismarck, North Dakota. I was under the direction of Michael D. Metcalf and was in charge of most archaeological field work for the Bismarck office in North Dakota. I served as Principal Investigator for numerous archaeological projects in North Dakota, South Dakota, and Montana. In addition to managing field crews, I was responsible for the technical writing of the various projects conducted by the office.

1989-1997 Crew Chief

IMA Consulting, Inc., St. Paul, Minnesota. I was under the direction of Dr. Clark Dobbs and served as crew chief for the Great Lakes Gas Transmission Pipeline in Minnesota, Wisconsin, and Michigan. I was responsible for managing field crew during the inventory and test excavations along the pipeline corridor.

1985-1989 Archaeological Technician

I served as Archaeological Technician for the University of North Dakota under the direction of Michael Gregg, for Metcalf Archaeological Consultants, Inc. under the direction of Michael D. Metcalf, and for the Colorado Highways Department under the direction of O. D. Hand. As an Archaeological Technician I worked in North Dakota, Colorado, Wyoming, Utah, and South Dakota on projects ranging from data recovery at; the multi-component Naze site in North Dakota, the Tremont Hotel, an early brick hotel in Denver, Colorado, and several Fremont pit house sites in Utah, as well as numerous inventory projects in the aforementioned states.

CURRICULUM VITAE

Memberships, Affiliations and Related Experience:

In 2002 I presented a pottery workshop (Traditional Hand-building) with Three Affiliated Tribes, New Town, ND.

I was contracted to replicate pottery for Museum exhibits by the Bureau of Reclamation.

I was contracted to replicate pottery for Museum exhibits by Split Rock Studios Museum Outfitters.

I served from 1992-1997 as archaeologist and historic archaeologist on the North Dakota State Review Board for National Register of Historic Places Nominations.

I served as Secretary-Treasurer for the Professional Council of North Dakota Archaeologists from 1991-1997.

I am a current member of North Dakota Archeological Association.

Technical Reports:

Since 1991 I have authored over 150 technical reports on archaeological investigations in North Dakota, South Dakota, and Montana. Most of these reports are on file in the North Dakota State Historical Society's manuscript files (MS# provided). Other State and Federal Preservation Offices have reports on file as well (noted in parentheses). The reports are the result of inventories ranging in size from 10 acre block surveys to linear inventories of up to 300 miles and also include final reports on evaluative testing and data recovery programs for over 50 archaeological sites in North Dakota. A partial listing of technical reports follows. Additional information and a complete listing of contract reports and manuscripts will be provided upon request.

Stine, Ed

- 2003 Fort Berthold Rural Water System, East Segment Phase I: A Class III Cultural Resource Inventory in McLean County, North Dakota. MS #8441 (BOR, NDSHPO, BIA)
- 2002 Eight Tree Planting Sites: A Class III Cultural Resource Inventory in Bottineau, Burke, Burleigh, Cass, Grand Forks, Ransom, and Pembina Counties, North Dakota. MS#8391 (NDDOT, NDSHPO)
- 2002 Class III Cultural Resource Inventory, Highway 36 From Junction 3 to Pingree: Kidder and Stutsman Counties, North Dakota. MS #8350 (NDDOT, NDSHPO)
- 1996 32EM1086 and 32EM1088: Results of Testing for a Bridge Replacement & Road Realignment, Emmons County, North Dakota. MS #6739 (NDDOT, NDSHPO)
- 1996 West River's Solen Telephone Exchange: A Class II and III Cultural Resource Inventory in Morton and Sioux Counties, North Dakota. MS #6646 (BIA, NDSHPO)

CURRICULUM VITAE

- 1994 West River Telecommunications Excavation at 32ME787 Mercer County, North Dakota. MS #6394 (NDSHPO)
- 1993 Polar Communications Five Year Project A Class II Reconnaissance Survey in Grand Forks, Pembina and Walsh Counties, North Dakota. MS #6169 (NDSHPO)
- 1993 Lignite to Ramberg Canadian Crude Project Cultural Resource Reconnaissance, Burke and Mountrail Counties, North Dakota. MS #5995 (PSC, NDSHPO)
- 1993 Swenson Site Testing and Evaluation of 32BI828 Billings County, North Dakota. MS #6001 NDDOT, NDSHPO)
- 1993 Ramsey County Rural Water Phase II: A Reconnaissance Survey in Benson, Nelson, and Ramsey Counties, North Dakota. MS #5997 (BOR, NDSHPO)
- 1992 Dakota Central Telecommunications Coop Fiber Optic Cable Route Reconnaissance Survey Stutsman County, North Dakota. MS #5809 (NDSHPO)
- 1992 Cass County Highway #16 A Class III Cultural Resource Inventory West of Davenport, North Dakota. MS #5806 (NDDOT, NDSHPO)
- 1991 Tribal Rangeland Redevelopment Program: A Class III Cultural Resource Investigation On Standing Rock Indian Reservation in Sioux County, North Dakota & Corson County, South Dakota. MS #5826 (BOR, BIA, NDSHPO, SDSHPO)
- 1991 Stanton UPA Site: A Class III Cultural Resource Inventory, Mercer County, North Dakota. MS #5607 (NDSHPO)
- Stine, E. and A. Kulevsky
- 2001 Cultural Resources Reconnaissance Survey of the Banks of the Sheyenne River From the Red River to Peterson Coulee, in Cass, Richland, Barnes, Griggs, Nelson, Eddy, Wells and Benson Counties, North Dakota. MS#8302 (COE, NDSHPO)
- 1997 32MO27 Evaluative Testing, Morton County, North Dakota. MS #6870 (NDDOT, NDSHPO)
- 1996 KLJ-Consolidated Telephone Cooperative Rhame Exchange: A Class III Cultural Resource Inventory in Bowman and Slope Counties, North Dakota. MS #6855 (BLM, USFS, NDSHPO)
- 1995 Dickey County Rural Water System Phase I & II, Plan B: A Class I Cultural Resources Records Search, Dickey, LaMoure, Logan and McIntosh Counties, North Dakota. MS #6588 (NDSHPO)
- 1994 Garrison Wets, McLean County, North Dakota: Test Excavations of Twelve Sites (National Guard NDSHPO)

CURRICULUM VITAE

1993 Testing & Evaluation of Site 32SK855 Stark County, North Dakota. MS #6331. (NDDOT, NDSHPO)

1993 Lake Ashtabula Phase II Testing of Sites: 32BA425, 32GG11 and 32GG13 in Barnes and Griggs Counties, North Dakota. MS #6151 (COE, NDSHPO)

Stine, E., A. Kulevsky, and T. Madigan

2000 Phase II Testing and Evaluation of Four Archaeological Sites, 32GG3, 32GG36, 32BA7, and 32BA14 at Lake Ashtabula, Griggs and Barnes Counties, North Dakota. MS #7626 (COE, NDSHPO)

Stine, E., and A. McKibbin

1992 Coteau Freedom Mine Testing and Evaluation of Nine Sites in Mercer County, North Dakota. MS #6007 (NDSHPO)

Stine, E., A. McKibbin and C. Spath

1993 Hanging Out at the Rock: Excavation at 32ME1089, Mercer County, North Dakota. MS#6008 (NDSHPO)

Stine, E., D. Forsberg and A. Kulevsky

1998 A Class III Cultural Resource Inventory of the North Dakota Segment of the Alliance Pipeline (Milepost 0 to 323.87) Final Report and Addendum: 1998 Field Season. MS #7227. (FERC, NDSHPO)

Stine, E., M. Cassell and M. Hannum

1998 Alliance Pipeline Project: Phase II Testing and Evaluation of 37 Sites in North Dakota Volumes I & II. MS #7212 (FERC, NDSHPO)

Stine, E., M. Hannum and A. Kulevsky

1998 Phase II Testing and Evaluation of 21 Sites and Five Sites Revisited An Addendum to Alliance Pipeline Project: Phase II Testing and Evaluation of 37 Sites in North Dakota (Reports of Investigation Number 513). MS #7329 (FERC, NDSHPO)

Stine, E. and K. Pool

1992 The Camp Grafton Site: Evaluative Subsurface Testing of 32ED85 in Eddy County, North Dakota. MS #5825 (National Guard, NDSHPO)

Stine, E., T. Madigan and A. Kulevsky

2001 Alliance Pipeline L.P.: Excavations at 32MH94, McHenry County, North Dakota Vol. I & II. MS#7959 (FERC, NDSHPO)

DAMITA JEAN HIEMSTRA

CURRICULUM VITAE

Permanent Address: 1820 East Capitol Ave. #323, Bismarck, North Dakota 58501

Telephone: (701) 214-1335

Country of Citizenship: United States of America

E-mail: damitahiemstra@hotmail.com

EDUCATION

December, 2003 University of Nebraska (UNL), Lincoln, Nebraska

Masters of Arts in Anthropology

Specialization in Professional Archaeology

Thesis Title: *Preferential Targeting of Resource Islands: An Examination of Prehistoric Land Use on the Great Plains, Along the Southern Margin of the South Dakota Black Hills*

May, 1997 University of South Dakota (USD)

Bachelors of Science in Anthropology

Minor in Archaeology

May, 1993 Sheldon Public High School, Sheldon, Iowa

RESEARCH INTERESTS

Prehistoric Great Plains Archaeology

Fieldwork technique reforms

SKILLS

Working knowledge of these computer programs:

- 1 Photoshop 7.0
- 2 Pathfinder 2.80
- 3 SPSS 11.0
- 4 ArcView GIS 3.2a
- 5 Scanning software for pictures and slides
- 6 Surfer 7.0

Research abilities include:

- 1 Site identification and recordation
- 2 Expertise in survey, testing, and data recovery operations
- 3 Researching state, county, and local level documents
- 4 Researching environmental, physiographic, cultural, and ethnographic backgrounds
- 5 File searches for previously recorded sites
- 6 Compilation and clear organization and reporting of the above materials
- 1 Web-based teaching modules for public interactions with archaeology

PROFESSIONAL EXPERIENCE

August, 2004 Staff Archaeologist

Employer: Metcalf Archaeological Consultants, Inc.
Ed Stine, General Manager
P.O. Box 2154
Bismarck, North Dakota
(701) 258-1215

May, 2004 Web-Based Teaching Module Development for Four Archaeological Sites
in Nebraska

Employer: Cooper Foundation
Under the supervision of Eric Kahldal, PhD
UNL, Anthropology and Geography Department
126 Bessey Hall, Lincoln, Nebraska 68588-0368
(402) 472-3925

- 1 Developed lessons and text for 4th through 8th grade education levels
- 2 Distribution of materials will be through the NebraskaStudies.org web-site

March 19-July 4, 2003 Teaching Assistant for UNL Archaeological Field School

Employer: LuAnn Wandsnider, PhD
UNL, Anthropology and Geography Department
126 Bessey Hall, Lincoln, Nebraska 68588-0368
(402) 472-8873

- 3 Supervised eight students for eight week course
- 4 Aided in field context as crew chief for both historic and prehistoric sites
 - Engineer's Cantonment Site north of Omaha, Nebraska
 - Hopeton Earthworks Site in Chillicothe, OH

January 10-May 10, 2003 Research Assistant

Employer: LuAnn Wandsnider, PhD
UNL, Anthropology and Geography Department
126 Bessey Hall, Lincoln, Nebraska 68588-0368
(402) 472-8873

- 1 Aided in inventorying and packaging in preparation for curation

August 24-December 20, 2002 Teaching Assistant for Introduction to Anthropology

Employer: Mary Willis, PhD
UNL, Anthropology and Geography Department
126 Bessey Hall, Lincoln, Nebraska 68588-0368
(402) 472-8873

- 2 Graded papers, tests, quizzes
- 3 Ran review sessions
- 4 Individualized help for students
- 5 Proctored exams

May 20-August 31, 2002 Internship for Professional Archaeology at University of South
Dakota for University of Nebraska's Masters of Anthropology. Specialization in
Professional Archaeology Program

Employer: University of South Dakota's Archaeological Laboratory
(Contact Brian Molyneaux)
414 East Clark Street, Vermillion, South Dakota 57069
(605) 677-5598

- 1 Wrote, edited, and prepared reports for production
- 2 Contacted clients and landowners in cultural resource management contexts
- 3 Implemented new filing system to aid in organization-both paper and computer

March 1999-August 2001 Assistant Lab Supervisor, Research assistant, University of South Dakota, Vermillion (same as above)

- 1 Oversaw student workers and lab technicians in daily tasks
- 2 Wrote, edited, and prepared reports for production
- 3 Contacted clients and landowners in cultural resource management contexts

October 1997-January 1999 Field Technician in South Dakota, Iowa, Minnesota, Illinois, Wyoming, New York (same as above)

- 1 Crewed for pedestrian surveys, testing, data recovery
- 2 Inventoried and Recorded sites using GPS Trimble unit
- 3 Photographed sites
- 4 Worked with Native American monitors
- 5 Aided in historical significance evaluation of sites

July 1995-October 1997 Research and laboratory assistant, Archaeology Laboratory, University of South Dakota, Vermillion (same as above)

- 1 Researched landowner histories using state, county and local records
- 2 Prepared maps, paperwork for field projects
- 3 Prepared maps and photos for report production
- 4 Edited reports
- 5 Formatted and Produced Reports

1993(June 1-July 10) Docent for Education Program, Center for American Archaeology
Supervisor: Daniel Goetley

P.O. Box 366
Kampsville, Illinois 62053
Phone: (618) 653-4316 Fax: (618) 653-4232

- 1 In-field aide for new students' instruction on field procedures and artifact identification
- 2 Laboratory aide for artifact processing
- 3 Washing, weighing, and cataloging
- 4 Helping in preparing lecture
- 5 Using flotation equipment to aid in analysis
- 6 Aiding in organizing field trips and various events.

FIELD WORK AS CREW CHIEF OR OTHER SUPERVISORY ROLE

- | | |
|------|---|
| 2005 | Rough Rider Road and Cell Phone Tower Location: A Class III Cultural Resource Pedestrian Survey in Billings County, North Dakota (USFS, NDFS) |
| 2004 | Highway 2 West, Michigan to Mapes: A Class III Cultural Resource Inventory, Nelson County, North Dakota (NDDOT) |
| 2004 | Highway 2 East, Niagra to Michigan: A Class III Cultural Resource Inventory, Nelson County, North Dakota (NDDOT) |
| 2004 | Hazen Flint Quarry: Results from Evaluative Testing at 32ME365 Mercer County, North Dakota (NDSHPO) |
| 2004 | Pedestrian Survey and Minor Testing of a Proposed Road Improvement Corridor (26 miles in length) in Palo Alto County, Iowa |
| 2004 | Pedestrian Survey of Selected Areas on Ravenna National Guard Training Base in Ravenna, Ohio |

- 2001 A 2001 Pedestrian Survey Cultural Resource Inventory for a Proposed Telecommunications Project Site near Pacific Junction, Section 33, T71N R43W, Mills County, Iowa
- 2001 A 2001 Pedestrian Survey Cultural Resource Inventory at the Site of Proposed Replacement of Bridge # 301530 on 180th St. in Section 15 T89N-R36W, Sac County, Iowa
- 2000 Pedestrian Survey Cultural Resources Inventory for the Proposed Construction of an Additional Wastewater Lagoon for the City of Burt, Kossuth County, Iowa

FIELD WORK (served as crew member)

- 2002 A 2002 Pedestrian Cultural Resource Inventory at the Site of Proposed Waste Water Treatment Facility Improvements for the City of Battle Creek, Maple Township, Ida County, Iowa, USD ARCHLAB Project No. 200207
- 2002 Emergency Monitoring Project for North Point Recreational Area, near Pickstown, South Dakota
- 2001 Pedestrian Survey and Testing for a Cultural Resource Reconnaissance For Rural Water District No.1 of Chase County, Kansas
- 2001 Archaeological Reconnaissance and Testing in Three-mile and Forsythe Creek Drainage for a Proposed Waste Water Treatment Plant at Ft. Riley, Kansas
- 2001 Intensive Pedestrian Cultural Resource Survey for a Proposed Mobile Asphalt Plant in Jackson County, South Dakota
- 2001 An Intensive Pedestrian Cultural Resource Survey of Two Locations for a Proposed Wind Turbine Project in Brule County, South Dakota
- 2000 An Intensive Cultural Resource Survey of a Proposed Pipeline Construction Project at Adams Nature Center in Union County, South Dakota (T30N, R48W, Sections 17 & 9).
- 2000 A Pedestrian Survey and Cultural Resource Inventory of One Mile New Roadway Alignment on 190th Street from Elk Creek Road to Glen Ellen Rd in Sergeant Bluff, Section 16 T88N R46W, and Realignment on Glen Ellen Rd and Elk Creek Rd, Section 21 T88N R46W, Woodbury County, Iowa
- 2000 Cultural Resource Assessment of the SW corner of the intersection of SD Highway 44 and SD Highway 49, NE1/4 of the NE1/4 of Section 22, T99N, R75W, in Tripp Co., SD.
- 1999-2000 A Pedestrian Survey and Testing for a Cultural Resource Evaluation of a Proposed Railway Corridor from the Coal Mines in the Powder River Basin, Wyoming to the South Dakota Border for the Dakota, Minnesota and Eastern Corporation's Powder River Basin Expansion Project
- 1999-2000 A Pedestrian Survey and Testing for a Cultural Resource Evaluation of a Proposed Railway Corridor From Wall, South Dakota to the Wyoming Border for the Dakota, Minnesota and Eastern Corporation's Powder River Basin Expansion Project
- 1998 Pedestrian Survey of the Wolf Lake WPA and Black Rush Lake WPA, Windom and Big Stone

Wetland Management Districts, Minnesota

- 1998 Intensive Testing of Twin Kettle Hole Ponds on the Naval Weapons Industrial Base near Calverton, Long Island, New York
- 1998 Data Recovery and Mitigation of the Cowan Site: A Great Oasis Village, Sioux City, Iowa
- 1997 Highway 60 LeMars - Minnesota Border Archaeological Resources Survey: A Testing and Analysis of Segment II of the Highway Corridor
- 1997 Highway 60 LeMars - Minnesota Border Archaeological Resources Survey: A Data Recovery Analysis of Segment I of the Highway Corridor
- 1997 Hospers By-pass Addendum to the Highway 60 Le Mars – Minnesota Border Archaeological Resources Survey: A Pedestrian Survey Analysis of Segment II of the Highway Corridor
- 1996 National Register Site Testing at Sites 32ML229, 32ML237, 39ML239, 39ML243 at the National Guard Recreation Area, Lake Sakakawea, McLean County, North Dakota for Corp. of Engineers.
- 1995-1996 Data recovery analysis of Segment II of Highway 60 Project, Lemars to the Minnesota line (Plymouth, Sioux, O'Brien, and Osceola counties) for RUST Environment and Infrastructure, Inc.
- 1995-1996 Testing Survey, Highway 60 Project, LeMars, IA to the Minnesota line (Plymouth, Sioux, O'Brien, and Osceola counties) for RUST Environment and Infrastructure, Inc.
- 1995 Pedestrian Survey of Redwater and Sheepnose Timber Sales, Black Hills National Forest.
- 1995 Archaeological Field School at the University of South Dakota, Vermillion. Data Recovery of Old Main, a 19th Century University building.
- 1993 Docent, Center for American Archaeology, Kampsville, Illinois. Duties included teaching and supervising students in the excavation process, recording and cataloging artifacts, helping in preparing lectures, using flotation equipment to aid in analysis, aiding in organizing field trips and various events. Project Director: Dan Goetley.
- 1992 National Science Foundation for Young Scholars Archaeological Field School at the Center for American Archaeology in Kampsville, Illinois. The site was middle Woodland subsistence gathering and hunting camp. Project Director: Dan Goetley.

REPORTS (AUTHOR/ CO-AUTHOR)

- 2005 Plains Pipeline Trenton Loop: A Class III Cultural Resource Inventory in Williams and McKenzie Counties, North Dakota (NDSHPO)
- 2005 Rough Rider Road and Cell Phone Tower Location: A Class III Cultural Resource Pedestrian Survey in Billings County, North Dakota (USFS, NDFS)
- 2005 White Shield Rock Piles and Intake Locations: A Class III Cultural Resource Inventory in McLean County, North Dakota (BIA, NDSHPO)

- 2005 Grasslands Pipeline: Archaeological Investigations in Billings, Dunn, Golden Valley, & Stark Counties, North Dakota (NDSHPO)
- 2004 Verifications Lose South of Mandan: Evaluative Testing of 32MO1378, Morton County, North Dakota (NDSHPO)
- 2004 Hazen Flint Quarry: Results from Evaluative Testing at 32ME365 Mercer County, North Dakota (NDSHPO)
- 2001 A Pedestrian Cultural Resource Inventory for a Proposed Telecommunications Tower Near Pacific Junction, Section 33, T71N, R43W, Mills County, Iowa (Approximately 50 pages)
- 2001 A 2000 Intensive Pedestrian Survey For a Proposed Asphalt Plant and Borrow Area in Gregory County, South Dakota (Approximately 50 pages)

REPORTS

Report Production includes graphic preparation, editing, formatting

- 2002 A 2001 Pedestrian Cultural Resources Survey Of State Highway 19 From Mile 307 To Mile 317.5 In Clay County, South Dakota Grading, Structures & Interim Surfacing, SDDOT Project No. P 0019(04) 4 PCMES 5637 (approx. 80 pages)
- 2002 A 2001 Pedestrian Cultural Resources Survey Of State Highway 19 From Mile 307 To State Highway 46 In Clay County, South Dakota Grading, Structures & Interim Surfacing, SDDOT Project No. P 0019(15) 15 PCMES 5731 (Approx. 75 pages)
- 2001 Archaeological Reconnaissance and Testing in Three-mile and Forsythe Creek Drainage for a Proposed Waste Water Treatment Plant at Ft. Riley, Kansas (Approx. 150 pages)
- 1999-2000 A Survey and Testing Cultural Resource Evaluation of the DM&E Railroad Corporation's Proposed Powder River Expansion Project from Wall, South Dakota to the Wyoming Border for the Dakota, Minnesota and Eastern Corporation's Powder River Basin Expansion Project (Approx. 1500 pages)
- 1997 Field Summary Of A Cultural Resource Inventory At Devil's Tower National Monument, Wyoming [Contract No. 1443 - Cx - 1230 - 97 001] (Approx. 1500 pages)
- 1997 Highway 60 LeMars - Minnesota Border Archaeological Resources Survey: A Testing Analysis of Segment I of the Highway Corridor (Approx. 300 pages)
- 1997 Highway 60 LeMars - Minnesota Border Archaeological Resources Survey: A Testing Analysis of Segment II of the Highway Corridor (Approx. 300 pages)
- 1997 Highway 60 LeMars - Minnesota Border Archaeological Resources Survey: A Data Recovery Analysis of Segment I of the Highway Corridor (Approx. 300 pages)
- 1997 Hospers By-pass Addendum to the Highway 60 Le Mars - Minnesota Border Archaeological Resources Survey: A Pedestrian Survey Analysis of Segment II of the Highway Corridor (Approx. 50 pages)

- 1997 Results of the 1997 Archaeological Survey and National Register Evaluation of Devil's Tower National Monument, Crook County, Wyoming (Approx. 200 pages)

PRESENTATIONS AT PROFESSIONAL CONFERENCES

Communication Issues in Archaeology

- 1 Presented at the 2002 Plains Conference, Norman, OK
- 2 Presented at the 2002 Nebraska Academy of Sciences

AWARDS, FELLOWSHIPS, GRANTS

McGuiness Prize Award (\$385.00)

- 1 Communication Issues in Archaeology
- Graduate Fellowship (Fall, 2001-Fall, 2003)
- 2 In-state tuition remission

PROFESSIONAL SOCIETIES

Plains Anthropological Society
Society for American Archaeology

J. P. Davis
3900 Crestgate Ave.
Midland, Texas 79707
Telephone (915) 520-6228

EXPERIENCE:

Administrative: Project management, fiscal budgeting, economic evaluation and cost analysis, planning and scheduling systems, manpower allocation for major projects, development of maintenance and operating procedures and personnel. Responsible for obtaining and use of operator training and procedural manuals as required by the DOT. Maintained customer base and relations by addressing concerns and obtaining a mutually agreeable result beneficial to the customer and the company.

Technical: Design and construction of gas and liquid pipelines, on shore and off shore, pump stations, pipeline and fuel terminal and metering facilities. Technical troubleshooting and repair of plant rotating equipment and mechanical equipment and associated piping systems, design and retrofit modifications to existing piping and heat exchanger systems.

POSITIONS HELD:

Plains All American Pipeline
Midland, Texas

Senior Project Engineer

This position responsible for AFE generation for Maintenance and Capital projects, installation and inspection of mainline and gathering pipeline systems, troubleshooting hydraulic and equipment problems, sizing lines pumps. Repair and hydrostatic testing of pipelines to meet DOT Part 195 requirements. Responsible for Project Management of various expansion projects in Montana, and North Dakota. Responsibilities included, design, equipment selection, construction and operation of the designed systems.

Link Energy

Midland, Texas – Same as Eott Energy

EOTT Energy Pipeline & Operating Limited Partnership

Midland, Texas

Division Engineer This position responsible for AFE generation for Maintenance and Capital projects for the Midland pipeline and trucking districts, installation and inspection of mainline and gathering pipeline systems, troubleshooting hydraulic and equipment problems, sizing and installing pumps. Repair and hydrostatic testing of pipelines to meet DOT Part 195 requirements.

Pipeline Manager This position responsible for the management of budget, planning, operation and maintenance for 417 miles of crude mainline and 97 miles of crude gathering pipeline

operated under two partnerships. One Partnership FERC and DOT regulated and the other a company owned pipeline and gathering system. Responsibilities included, a satellite operated SCADA control system, setting of FERC tariff rates and scheduling of interconnecting shippers and customers. Knowledge and compliance with CFR Part 195 and 199 State and Federal environmental regulations, FERC regulations and requirements. Responsible for maintaining customer base and relationships through shipper and company contacts.

Sinclair Pipeline Company

Sinclair, Wyoming

Pipeline Manager This position responsible for the management of budget, planning, operation and maintenance for 650 miles of crude and products pipelines. As a privately held company monies saved from its operation was not declared as revenue but used to add to the overall profit of the company. Knowledge and compliance with CFR Part 195 and 199, State and Federal environmental regulations was required. Maintained customer base and relationships through interconnecting carriers and company contacts.

Boeing Petroleum Services, Inc. (BPS/SPR)

Bryan Mound Site, Freeport, Texas

Boeing Petroleum Services, Inc. (BPS/SPR)

Hackberry, Louisiana

Petroleum Operational Support Services, Inc. (POSSI/SPR)

A KANEB Company, Hackberry, Louisiana

Complex Manager This position was responsible for management and operation of the two largest Department of Energy (DOE) Strategic Petroleum Reserve (SPR) sites, their planning, site budget, operation, maintenance, construction activities, quality control, security, Federal, and State safety and health concerns. Responsible for activities of 180 to 200 personnel.

Quarterly evaluations by the Department of Energy determined the amount of award fee generated (profit). Complex performance award was usually between 93 and 95% of fee available.

Cities Service Company

Petrochemicals Division, Lake Charles, Louisiana

Plant Engineer Responsible for two Ethylene/Propylene Plants, Ethylene Oxide Plant, Plastic Plant, Ammonia Plant, and steam generation facilities. Responsible for troubleshooting all equipment problems. Equipment included: Boilers, Ethylene Cracking Furnaces, Frame 5 Turbines, Ethylene compressor trains, pumps, vessels, heat transfer units, steam systems, pressure relief valves and cooling towers.

Project Engineer responsible for the major rebuild of the original Ethylene/Propylene and Ethylene Oxide plants.

Staff Engineer responsible for troubleshooting and correcting equipment problems in the Petrochemical Plant Complex. Performed efficiency audits and made recommendations to improve reliability and reduction of and or elimination of recurring maintenance costs.

Eagleton Engineering Company

Louisiana Offshore Oil Port (LOOP)

Houston, Texas

Principal Engineer/Project Engineer Responsible for concept and design for the diesel fuel and firewater supply systems. Obtained Federal and State agency permits for the pipeline facilities. Specified materials and assigned responsibility for obtaining materials for the 48", 30" and 4" pipelines.

Gulf Pipeline Co.

Monahans Area, Midland, Texas

Area Superintendent Supervised the operation and maintenance of 350 miles of crude and LPG gathering and main transmission pipelines, 3 gathering districts, 3 tank farms and main line pump stations. Planned annual, 3 year and 5 year budget forecasts. Supervised 42 employees.

Project Engineer Assigned total responsibility for the reactivation of the Bolivian 350 mile 24" gas pipeline to Argentina.

Project Engineer Responsible for conversion of Gulf Marketing facilities to bottom loading and installation of vapor recovery systems on all of Gulf Oil's product terminals.

Senior Engineer Assigned to evaluate various Gulf Marketing and Product terminals for sale or renovation.

EDUCATION: B. S. Mechanical Engineering (1967)
Louisiana State University

REGISTRATIONS: **Registered Professional Engineer**
Louisiana - #14389
Texas - #33570

MEMBERSHIPS: ASME-Member

REFERENCES: On Request

Daniel Jay Holli
Plains Pipeline, L.P.
303 6th Ave NE Belfield, ND 58622
(701) 575-4254

EXPERIENCE Chemical Engineer with eight years work experience in environmental permitting, environmental compliance and safety training.

EDUCATION Bachelor Degree in Chemical Engineering, May, 1989
& TRAINING Oil Spill Response, Asbestos Abatement, Process Hazard Analysis, RCRA, NSPS, and 24 hour Hazwoper training

WORK HISTORY

Division Environmental Specialist 11/97 to present – Belfield, ND

I have been employed at the same address since 11/97 by the following companies through various mergers or acquisitions.

Plains Pipeline L.P.	Link Energy L.P.	EOTT Energy L.P.
EPSC (Northern Border Pipeline and EOTT Energy)		Koch Pipeline Company, L. P.

Manage Environmental Compliance

- Look for and anticipate activities that may require environmental intervention by effectively working with operations and providing environmental support for these activities.
- Interpret State and Federal environmental regulations related to operation's needs, including NSPS, CAA, CWA, RCRA, TSCA, and DOT/RSPA.
- Educate employees how to comply with their facility permits.
- Prepare applications and obtain approval for facility construction permits on a timely basis that allow for maximum operational flexibility.
- Develop rapport with state and other regulatory agencies.
- Prepare and submit all required environmental reports to management and to agencies on a timely basis.
- Regularly inform management of the facility environmental compliance status.
- Work within a team to accomplish objectives set by management.
- Serve as a catalyst to promote a culture of environmental compliance through direct interaction with employees and management.
- Manage and coordinate efforts to clean up and remediate crude oil spills.

Assist With Compliance Training and Emergency Response.

- Develop and conduct safety, environmental, and DOT training as needed
- Manage the emergency response program for the region and regularly update the Emergency Response Manuals.
- Manage the Public Awareness Program.
- Administer Operator Qualification Training Program.

WORK HISTORY (continued)

Koch Hydrocarbon CoEnvironmental Compliance /

Process Safety Management Coordinator 5/95 – 10/97

Plant Engineer / PSM, Process Operator 3/92 – 5/95

Medford, Oklahoma

March 1992 to November 1997 for all positions

Manage Environmental Compliance & PSM, work in Operations and work as an engineer

While working at the Medford Fractionator I was instrumental in developing and implementing an environmental compliance program and managed the Process Safety Management (PSM) program for the Division. I developed Process Safety Information and Operating Procedures for the facility and I assisted the Safety Department with training and projects on occasion. Some of my major accomplishments are shown below.

- Assisted with a \$1.5 MM project at the Medford Fractionator to increase throughput and reduce emissions at the facility while maintaining operational flexibility.
- Trained employees in their environmental duties and responsibilities.
- Developed permits and permit amendments to support process changes.
- Prepared and submitted permit required reports to State and Federal Agencies.
- Initiated, developed and managed a valve leak testing program.
- Gained useful process experience by working in operations as a plant operator.
- Designed and proposed process improvements to reduce operating costs.
- Developed PSM programs for Division facilities in Kansas, Oklahoma, and Texas and served as a catalyst with management and employees to ensure compliance.
- Managed the Process Hazard Analyses Program and verified the completion of findings.
- Built new operations procedure manuals and redlined over 150 facility process drawings.

Koch Hydrocarbon CoPlant Engineer

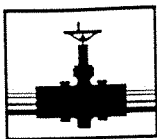
McKenzie Gas Plant

Sidney, Montana

November 1989 -- March 1992

Plant Engineer

- Performed quality checks on hydrocarbon products and specified equipment and sized piping.
- Assisted to update Process & Instrumentation Drawings as needed.
- Helped manage a project to move and reconstruct an entire cryogenic gas plant and troubleshoot problems during startup.



PLAINS

PIPELINE, L.P.

April 18, 2005

Mr. Randy Kowalski
North Dakota Department of Health
Water Quality Division
P. O. Box 5520
Bismarck, ND 58506-5520

Dear Mr. Kowalski:

Attached is a NPDES General Stormwater Permit application to construct 7 miles of 10 inch steel pipeline to parallel an existing six inch pipeline in McKenzie and Williams Counties in North Dakota.

I can be reached at (701) 575-4254 ext. 34 to answer any questions you may have.

Respectfully,

Daniel Holli
Environmental and Regulatory Compliance Specialist



**APPLICATION (NOTICE OF INTENT) TO OBTAIN
 COVERAGE UNDER NDPDES GENERAL PERMIT
 FOR STORM WATER DISCHARGES ASSOCIATED
 WITH CONSTRUCTION ACTIVITY (NDR10-0000)**
 NORTH DAKOTA DEPARTMENT OF HEALTH
 DIVISION OF WATER QUALITY
 SFN 19145 (2/05)

FOR DEPT. USE ONLY

Application No.
Date Received

GENERAL INFORMATION

Name of Owner of Construction Project Plains Pipeline, L.P.	Contact Person Name Daniel Holli	Contact Person No. (701) 575-4254
Mailing Address P. O. Box 708 Belfield, ND	City Belfield	State ND
Type of Owner or Operator	<input type="checkbox"/> Developer/Builder <input type="checkbox"/> State of ND	<input type="checkbox"/> General Contractor <input type="checkbox"/> Federal <input type="checkbox"/> Municipality <input checked="" type="checkbox"/> Other (Specify): Limited Partnership
This NOI is to obtain coverage under Small Construction Activity (see Part I.D of permit):		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Small Construction Activity requires the submittal of an Annual Location Record as per Part III.B of the permit		
Name of Construction Project (Large Construction Activity only) Trenton 10 inch pipeline loop		
Brief Description of Construction Activity (Please fill out for both Large and Small Construction Activity) Construct a 10 inch diameter pipeline for approximately 7 miles in both McKenzie and Williams Counties.		

LARGE CONSTRUCTION ACTIVITY INFORMATION (Skip for small construction activity)

Name of Operator Working at Site (i.e. general contractor, if known) Master Corporation	Contact Person Name Mac McKnight	Contact Phone No. (406) 433-4332				
Mailing Address P. O. Box 831	City Odessa	State TX				
Project Start Date: 4/15/05	Estimated Completion Date: 10/30/05	Estimated Area of Total Disturbance in Acres: 42.50				
Project Location	Street Refer to map	City				
	OR	1/4 1/4	Section	Township	Range	County
Receiving Waters	<input checked="" type="checkbox"/> Natural Surface Drainage	Name or Description of Receiving Waters Missouri River				
	OR	<input type="checkbox"/> Municipal Storm Sewer	Name of City			

SIGNATURE INFORMATION

RETURN COMPLETED APPLICATION TO: North Dakota Department of Health Division of Water Quality 1200 Missouri Ave., Rm. 203 PO Box 5520 Bismarck, ND 58506-5520 Telephone: (701) 328-5210	I certify that I am familiar with NDR10-0000 and NDCC 61-28-08, and with the possibility of fines and imprisonment for submitting false information. To the best of my knowledge and belief, the information in this application is true, complete, and accurate.	
	Printed Name of Owner(s) Jordan Janak	Title Director, Environmental
	Signature of Owner(s) 	Date 4/4/05
	Printed Name of Operator(s) Ed Shypkoski	Title Manager, Belfield Region
Signature of Operator(s)	Date	

(Attach additional pages if needed)



**CONSTRUCTION STORM WATER
POLLUTION PREVENTION PLAN**
NORTH DAKOTA DEPARTMENT OF HEALTH
DIVISION OF WATER QUALITY
SFN 19388 (2/05)

NORTH DAKOTA DEPARTMENT OF HEALTH NDPDES PROGRAM

Construction Storm Water Pollution Prevention Plan Guidance Forms

CONTENTS

Use the following information as a checklist for developing the Storm Water Pollution Prevention Plan.

1. PROJECT DESCRIPTION
2. SITE MAP DEVELOPMENT
3. SIGNATORY CERTIFICATION
4. BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL
5. OTHER BEST MANAGEMENT PRACTICES
6. SIGNIFICANT MATERIALS
7. ADDITIONAL OWNERS/OPERATORS
8. SITE INSPECTION RECORD

A SWPPP must be prepared and implemented for all construction activities covered under NDR10-0000. A copy of the SWPPP must be submitted to the Dept. of Health for projects that involve 50 or more acres, or have a discharge point located within 2000 ft of, and flow to, a water body that is listed as impaired due to sediment or parameters associated with sediment transport.

PROJECT DESCRIPTION

Project Name	Trenton 10 inch pipeline loop
Project Type	Pipeline Construction
Project Location	Refer to attached map
Estimate of Project Size in Acres	7 miles of pipeline with 50 foot ROW -- 42.5 Acres

Description of the Nature of Activity

Construct a crude oil pipeline approximately 7 miles of length from the NW 1/4 of S30 T152N R104W on the Montana border in Mckenzie County to the SE 1/4 of S11T152N R104W in Williams County, ND. The pipeline will be constructed of 10 inch welded steel.

Also from the SW 1/4 of S10 T153N R102W to the SE 1/4 S34 T154N R102W.

Description of Existing Soils, Fill Material, and Erodibility of Such Soils

Soils are expected to be Class B soils -- clay or sandy clay.

Proposed Timetable for Construction Phases or Activities

Construction should take 3-4 weeks. Proposed start time is May 1, 2005

Name of Receiving Waters or Municipal Separate Storm Sewer System (MS4)

Missouri River and unnamed tributaries or conveyances to the Missouri River.

SITE MAP DEVELOPMENT

The site map should be suitably scaled and drawn to show the following required information:

MAP FEATURES

Use the following information as a checklist for developing the site map.

- 1) Construction site boundaries and area(s) of soil disturbance.
- 2) The location of springs, streams, wetlands, and other surface waters.
- 3) The location of areas used for storage of building materials, soils, or waste materials. on ROW
- 4) The locations of proposed and existing storm water controls.
- 5) Storm water runoff/run on drainage patterns.
- 6) Section, township, range, or street address.

SIGNATORY CERTIFICATION

INSTRUCTIONS: The following statement shall be signed by a responsible corporate officer, general partner, principle executive officer or ranking elected official. The statement may be signed by a duly authorized representative of the person above in accordance with Part IV-E of the permit.

CERTIFICATION	
<p>"I, <u>Jordan Janak</u>, certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.</p>	
<p>Printed Name of Applicant <u>Jordan Janak</u></p>	<p>Title <u>Director, Environmental</u></p>
<p>Signature of Applicant </p>	<p>Date <u>4/4/05</u></p>

BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL

EROSION & SEDIMENT CONTROL PRACTICES:

<input type="checkbox"/> Straw Bale Dikes	<input type="checkbox"/> Sediment Traps	<input type="checkbox"/> Concrete Washout Area
<input checked="" type="checkbox"/> Silt Fences	<input type="checkbox"/> Temporary Sediment Basins*	<input type="checkbox"/> Flocculation Sock
<input type="checkbox"/> Rock Checks	<input type="checkbox"/> Cut Back Curb	<input type="checkbox"/> Stockpile Protection
<input type="checkbox"/> Brush Barriers	<input type="checkbox"/> Stabilized Construction Access	<input type="checkbox"/> Dewatering Bag
<input type="checkbox"/> Sediment Logs/Biorolls	<input type="checkbox"/> Terraces/Contours	
<input type="checkbox"/> Geotextile Triangular Dikes	<input checked="" type="checkbox"/> Drainage Swales	
<input type="checkbox"/> Floating Silt Curtain	<input type="checkbox"/> Pipe Slope Drains	
<input type="checkbox"/> Drain Inlet Protection	<input checked="" type="checkbox"/> Temporary Drain Diversion/Berms	

Additional Practices:

Water bars will be constructed on steep slopes to divert stormwater onto vegetated areas. Silt fencing will be used at the base of steep slopes and adjacent to the Missouri River Crossing as necessary. A directional bore under the Missouri River will allow several hundred feet of vegetated land between disturbed soil and the river.

* Sediment basins must be provided, where practical, when 10 or more acres of disturbed area drain to a common location. Guidelines for designing, implementing and maintaining sediment basins may be found in Appendix 1 of the permit.

STABILIZATION PRACTICES:

<input type="checkbox"/> Temporary Seeding	<input checked="" type="checkbox"/> Permanent Seeding	<input type="checkbox"/> Riprap Slopes
<input type="checkbox"/> Mulching	<input type="checkbox"/> Retaining Wall	<input type="checkbox"/> Surface Roughening
<input type="checkbox"/> Filter/Vegetative Strips	<input type="checkbox"/> Tree/Shrub Planting	<input type="checkbox"/> Rock Outlet Protection
<input type="checkbox"/> Erosion Control Blankets	<input type="checkbox"/> Sod Stabilization	

Additional Practices:

The pipeline trench will be refilled and leveled as soon as feasible to reduce chances for erosion to occur.

OTHER BEST MANAGEMENT PRACTICES

Spill Prevention methods, post construction controls and site inspections/maintenance

Description of Spill Prevention and Response Procedures (e.g. Fueling, Maintenance, Staging Areas):

Operators of construction equipment will take all reasonable efforts to avoid refueling on the right of way. Care will be taken to see that any fuel or hydraulic fluid spills will be cleaned up promptly if they should occur.

Description of Post Construction Controls (e.g. Detention/Retention Ponds, Constructed Wetlands):

Reseeding will be done on disturbed areas. Inspections will be done as required to monitor erosion. Any areas where significant erosion occurs will be repaired immediately.

Description of Procedures for Site Inspections and Maintenance:

Site inspections will be made by visually observing the condition of the disturbed right of way. Maintenance will take place if areas of erosion occur.

OTHER BEST MANAGEMENT PRACTICES

Description of sediment tracking reduction and sediment recovery methods

Will any contaminated soils potentially be encountered:

Yes

No

If yes, please attach a description of the methods used for handling and disposing of the contaminated soils.

Description of Methods to Reduce Sediment Tracking:

Two paved roads will be encountered on the construction project. All other roads are gravel roads. Gravel roads will be protected from excess tracking of soil by keeping non-essential vehicles on established roads. Heavy equipment will be inspected and large chunks of soil will be knocked off before driving on gravel roads or on paved roads.

Description of Methods for Recovering Tracked Sediments (e.g. Street Sweeping):

Sediments that migrate off the right of way after a significant rainfall event will be returned to the right of way as much as practicable. This will be done by using a scraper or backhoe to recover migrated soils.

Description of Methods for Recovering Sediments from Sediment & Erosion Control Devices:

Sediments will be recovered using a front end loader or bulldozer to scrape sediments from the surface down to the ground level prior to migration. These sediments will be placed onto the right of way for stabilization. If erosion potential continues to exist for an eroded area following restoration of migrated sediments, additional controls will be used as necessary.

SIGNIFICANT MATERIALS

INSTRUCTIONS: Based on your site's material inventory, provide the following information. For the definition of "significant materials," see Part V of the permit. The **location** of the significant materials should be indicated on the site map. See example below:

MATERIAL	QTY KEPT ONSITE	DISPOSAL METHOD FOR WASTE OR SPILLS	POLLUTION PREVENTION MEASURES
Ex: Diesel Fuel	Ex: 500 gallons	Ex: Using NDDoH Waste Management Guidelines	Ex: Berm constructed around tank to capture any spills or leaks. Employees have been trained to prevent spills during fueling process and to contact management if a spill occurs.
Welding rod ends	N/A	Pick up rod ends	Clean up scrap pieces after construction is completed.
Metal scraps	N/A	Pick up metal scraps	Clean up scrap after construction is completed.
Wood timbers	N/A	Pick up wood	Clean up wood scraps when construction is completed.
Discarded pipe coating materials	N/A	Pick up for disposal	Maintain plastic bags on site to put garbage into.

(Attach additional pages if needed)

ADDITIONAL OWNERS/OPERATORS

INSTRUCTIONS: This section is provided to include additional owners and operators that may be designated by the permit holder to perform activities on a project (i.e. subcontractor). The additional owners/operators must adhere to this Storm Water Pollution Prevention Plan. The use of this section is intended for projects involved in "large" construction activity. It may also be used for "small" construction activity as a record for the owner.

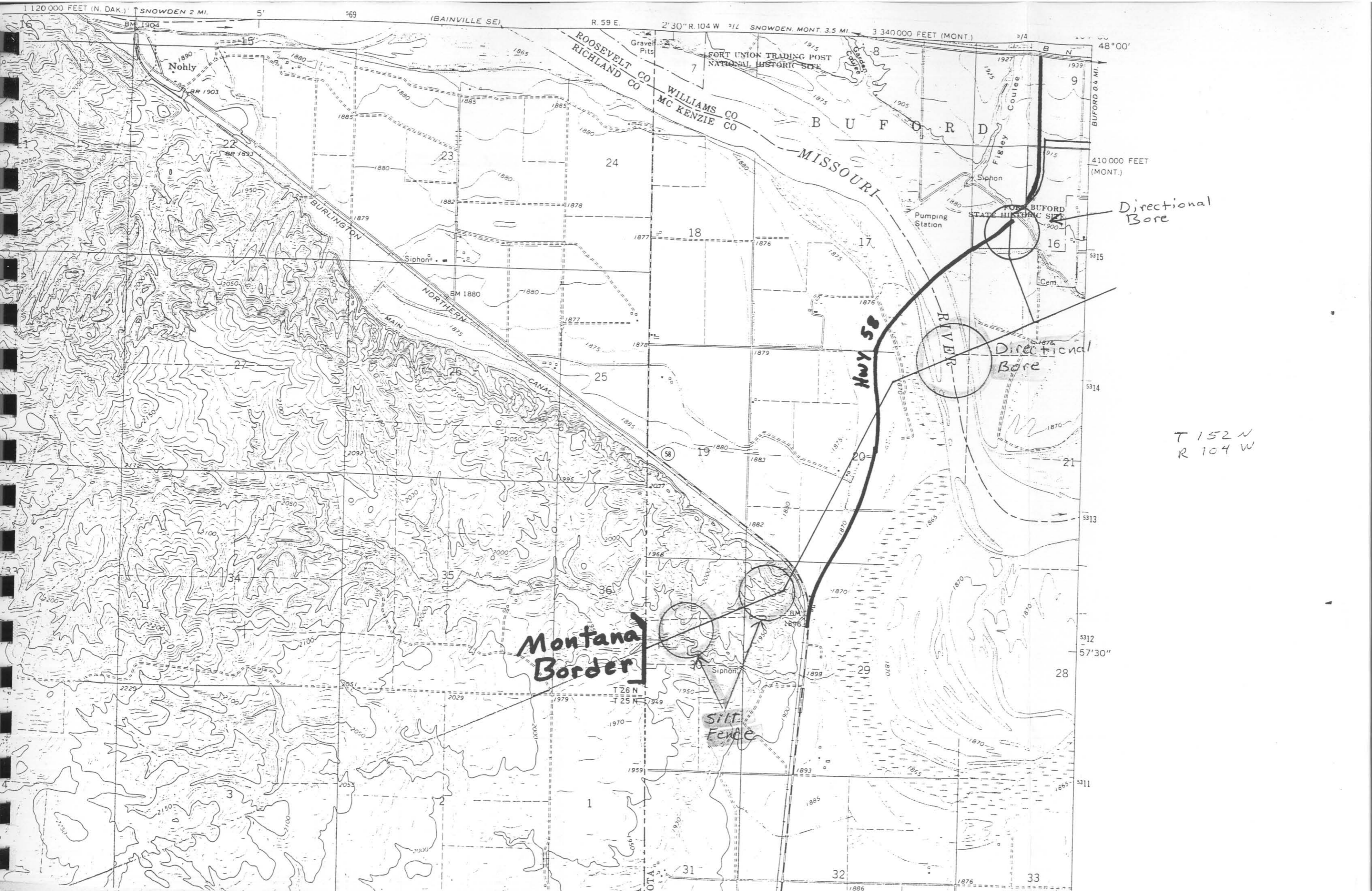
Signatory

"I certify under penalty of law that I have personally read, understood, and accepted all terms and conditions of this Storm Water Pollution Prevention Plan, and that I shall implement the Plan accordingly. I am also familiar with the NDPDES General Permit for Storm Water Discharges Associated with Construction Activity (NDR10-0000).

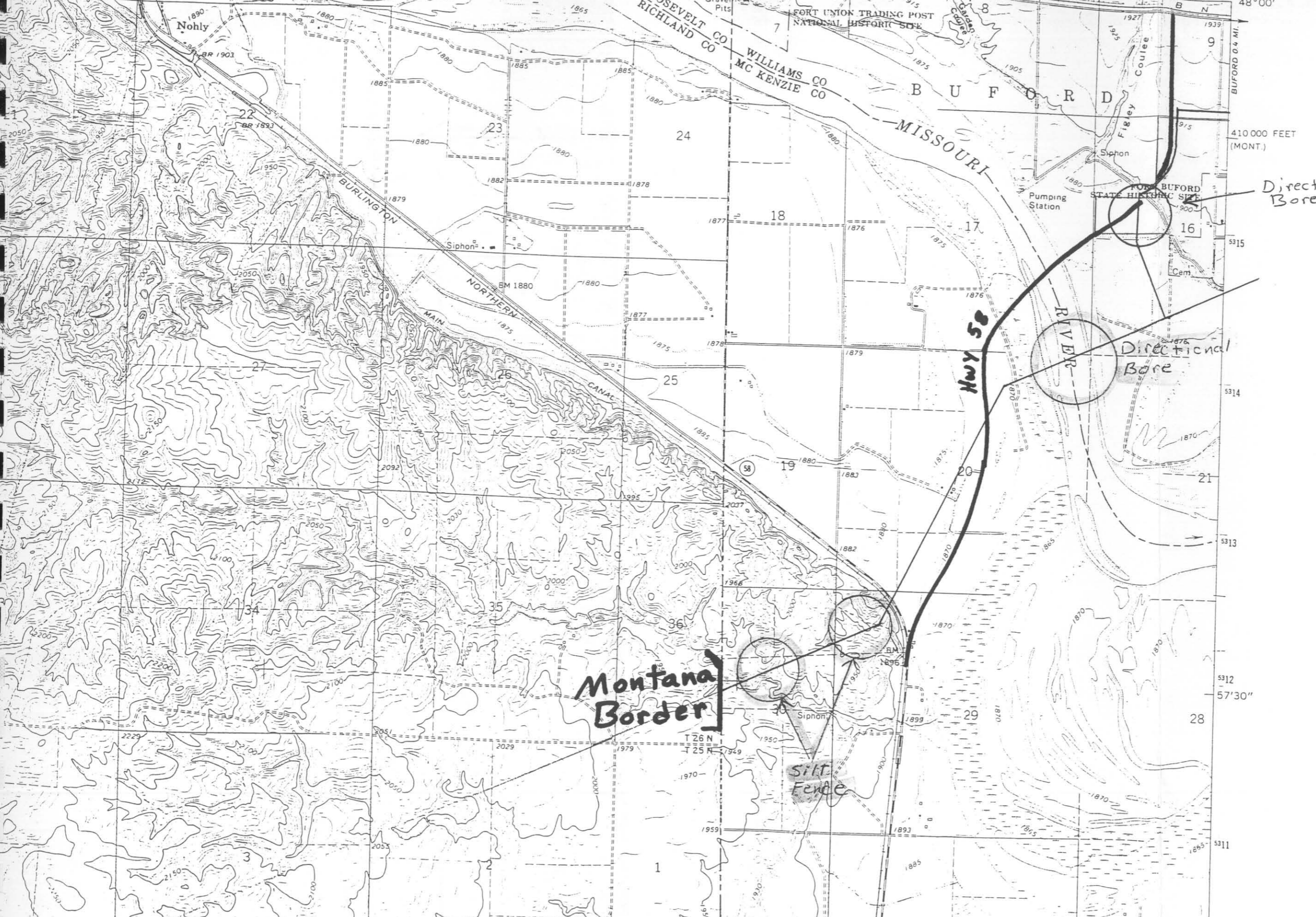
Printed Name	Signature	Title	Company Name	Date
Max E Nichols		President	Jomax Construction Co., inc.	4-12-05

SITE INSPECTION RECORD

Time & Date	Name of Inspector	Amount (inches), & Duration (hours) of Precipitation event	Observations and actions taken: Document incidents such as erosion, sediment accumulation, spills, SWPP-related maintenance, remediation, etc.
------------------------	--------------------------	---	---



1 120 000 FEET (N. DAK.) SNOWDEN 2 MI. 5' 69 (BAINVILLE SE) R. 59 E. 2' 30" R. 104 W 7/16 SNOWDEN MONT. 3.5 MI. 3 340 000 FEET (MONT.) 3/4 48° 00'



Directional Bore

Directional Bore

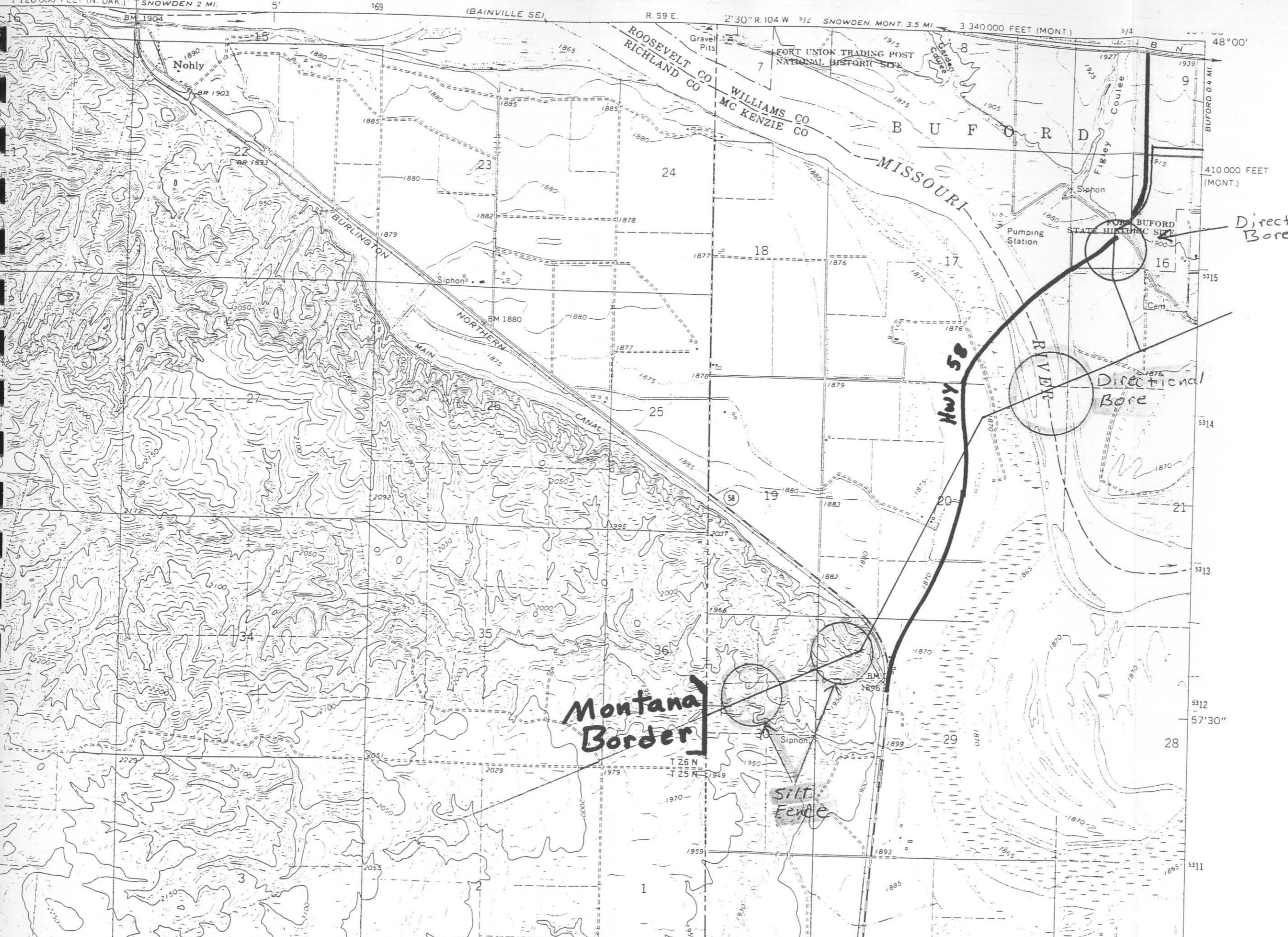
T 152 N
R 104 W

Montana
Border

Silt
Fence

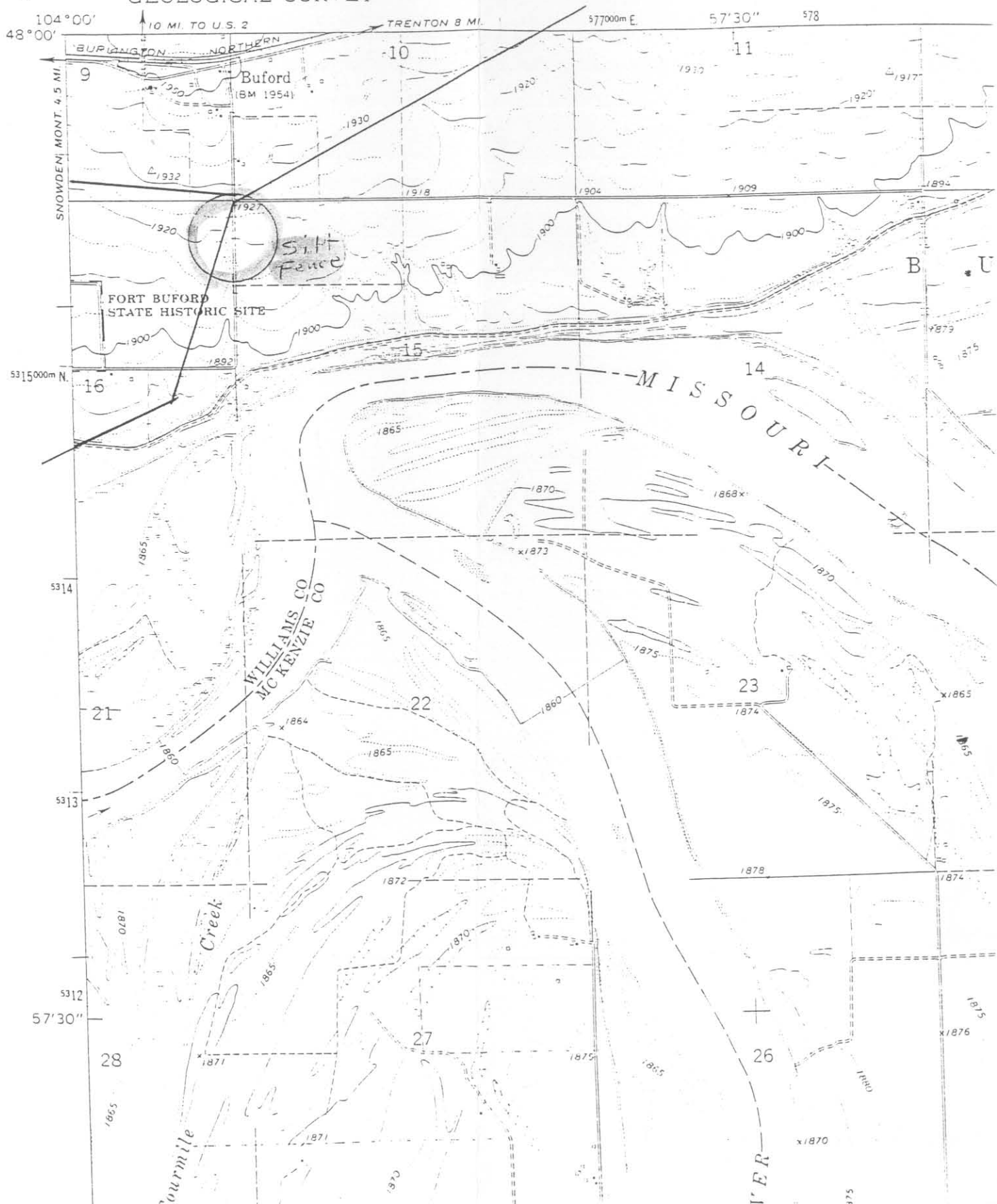
Hwy 58

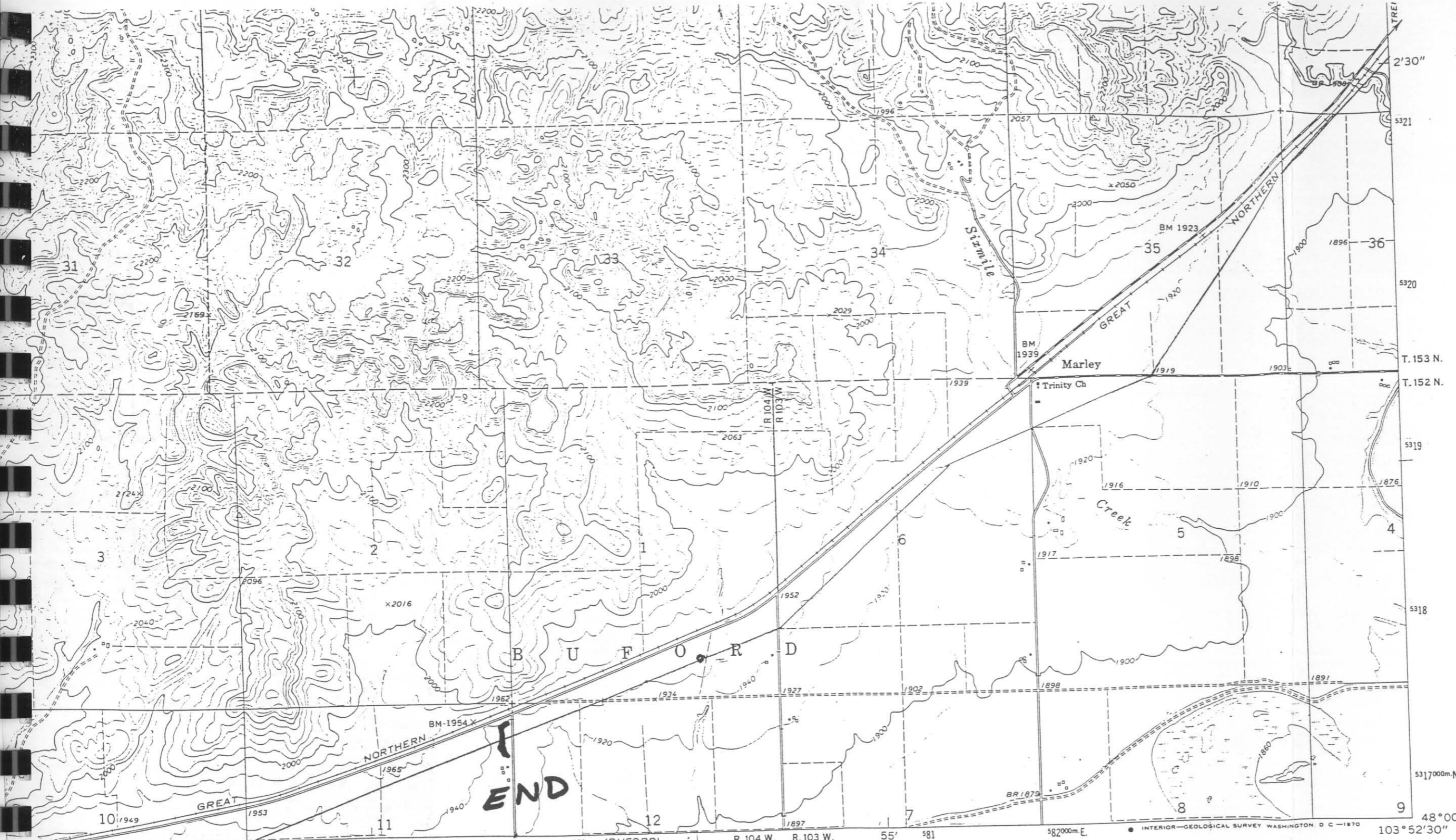
MISSOURI
RIVER



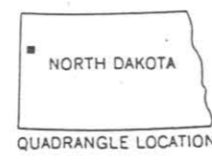
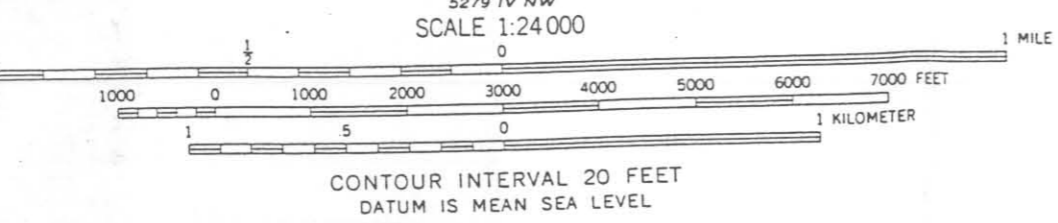
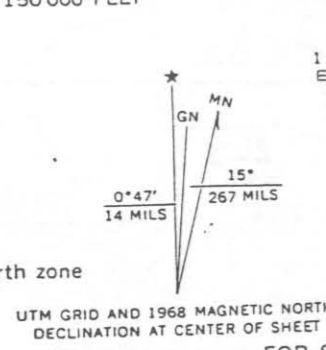
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5180 11 SE
(BAINVILLE SE)





by the Geological Survey
 Interior program
 Missouri River Basin
 Methods from aerial
 checked 1968
 American datum
 Dakota coordinate system, north zone
 Mercator grid ticks,
 cted fence and field lines where
 aphs. This information is unchecked



ROAD CLASSIFICATION
 Secondary highway, all weather, Light-duty road, all weather,
 hard surface improved surface
 Unimproved road, fair or dry
 weather

UTM GRID AND 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
 THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
 AND BY THE STATE WATER COMMISSION, BISMARCK, NORTH DAKOTA 58501
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

TRENTON SW, N. DAK.
 N4800—W10352.5/7.5

1968

AMS 5280 III SW—SERIES V871

(CARTWRIGHT NE)
 5279 IV NE

5280 III NE (TRENTON NE) 47'30" 1 200 000 FEET WILLISTON (VIA U.S. 2) 8 MI. 1.1 MI. TO U.S. 2



Trenton Station
END

Start

(Existing Pipeline)

Bone under road & creek

Silt Fence

Gravel Pit

BURLINGTON

NORTHERN

Trenton

T R E N T O N

ROUND LAIRIE
E
L
V
E
B
L
A

T. 154 N.
T. 153 N.
420 000 FEET
5328
5327
5326
5325



NORTH DAKOTA
DEPARTMENT of HEALTH

ENVIRONMENTAL HEALTH SECTION
1200 Missouri Avenue, Bismarck, ND 58504-5264
P.O. Box 5520, Bismarck, ND 58506-5520
701.328.5200 (fax)
www.ndhealth.gov



April 26, 2005

Daniel Holli
Plains Pipeline, L.P.
P.O. Box 708
Belfield, ND 58622

RE: Notice of Coverage under
Construction Storm Water General Permit **NDR10-1108**

Dear Mr. Holli,

We have reviewed your application for coverage under the North Dakota Pollutant Discharge Elimination System (NDPDES) general permit for storm water discharges from construction activity. Your application has been assigned serial number:

<u>Permit #</u>	<u>Site name</u>
NDR10-1108	Trenton 10" pipeline loop

Please remember to update the Storm Water Pollution Prevention (SWPP) Plan when necessary, and to inspect, maintain and adjust the BMP and temporary structures until the site is stabilized following construction activities. Once the site is stabilized as outlined in the general permit, you may file for termination of permit coverage.

Cities or counties may impose additional requirements and/or specific BMPs for construction affecting their storm drainage system. Please check with the local officials to be sure all local storm water management considerations are addressed.

If you have any questions, please contact me at (701) 328-5242 or at dgrossma@state.nd.us. New Notice of Intent, Notice of Termination, Transfer/Modification, and SWPP Plan forms can be found at our website: www.health.state.nd.us/wq.

Sincerely,

Dallas J. Grossman
Environmental Engineer
Division of Water Quality



NORTH DAKOTA
DEPARTMENT of HEALTH

ENVIRONMENTAL HEALTH SECTION
1200 Missouri Avenue, Bismarck, ND 58504-5264
P.O. Box 5520, Bismarck, ND 58506-5520
701.328.5200 (fax)
www.ndhealth.gov



May 11, 2005

Daniel Holli
Environmental and Regulatory
Compliance Specialist
Plains Pipeline, L.P.
PO Box 708
Belfield ND 58622

RE: Construction Storm Water Permits NDR10-1035 and NDR10-1108
Change in Pipeline Route and Alternative Inspection Plan

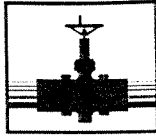
Dear Mr. Holli:

We recently received revised SWPP plans information and alternative inspection plans for two pipeline construction projects. The projects were assigned the above referenced permit numbers under the NDPDES general permit to discharge storm water from construction activity (NDR10-0000). We have no objection to the proposed revisions to the SWPP plans or the alternative inspection plans proposed under the provisions of Part III.A.5 of the permit.

Should you have any question, please contact me at (701) 328-5244.

Sincerely,

Randy Kowalski
Environmental Scientist
Division of Water Quality



PLAINS
PIPELINE, L.P.

May 16, 2005

Mr. Randy Kowalski
North Dakota Department of Health
Water Quality Division
P. O. Box 5520
Bismarck, ND 58506-5520

Dear Mr. Kowalski:

Plains Pipeline requests that an additional five miles of pipeline be added to the approved Stormwater Construction Permit no. NDR10-1108. The existing Notice of Intent and Stormwater Pollution Prevention Plan will remain the same as in the original application.

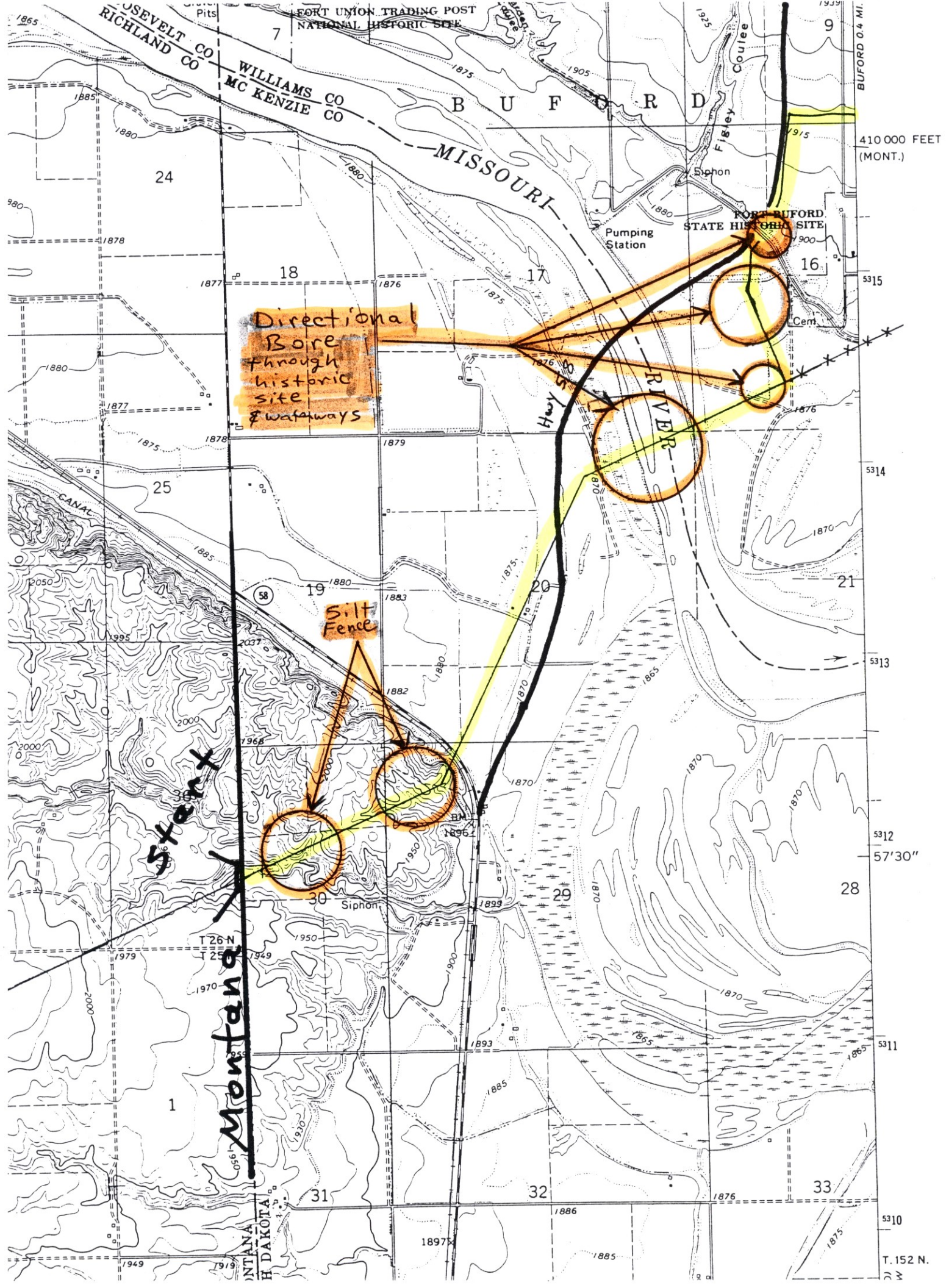
Maps are attached to indicate where the proposed five miles will be added and are indicated by a dotted line.

Stormwater controls have been modified slightly from the original application. Please use the attached maps as the final presentation of what is proposed for stormwater erosion control.

Please authorize the items requested in this letter. I can be reached at (701) 575-4254 ext. 34 to answer any questions you may have.

Respectfully,

Daniel Holli
Environmental and Regulatory Compliance Specialist



DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SE

104°00'
48°00'

10 MI. TO U.S. 2

TRENTON 8 MI.

577000m E.

57'30"

578

57

SNOWDEN MONT. 4.5 MI.

BURINGTON

NORTHERN

10

11

Buford
(BM 1954)

FORT BUFORD
STATE HISTORIC SITE

5315000m N.

16

14

MISSOURI

5314

WILLIAMS CO
MC KENZIE CO

21

22

23

5313

0181

Greek

1872

5312

28

27

26

5311

Fourmile

RIVER

1869

1877

1878

1880

1875

1950

1930

1920

1930

1920

1920

1918

1900

1904

1909

1894

1900

1900

1900

1900

1879

1875

1865

1870

1868

1860

1873

1875

1870

1860

1864

1865

1860

1875

1870

1865

1865

1872

1875

1875

1865

1870

1875

1878

1874

1871

1871

1875

1865

1880

1875

1876

1869

1877

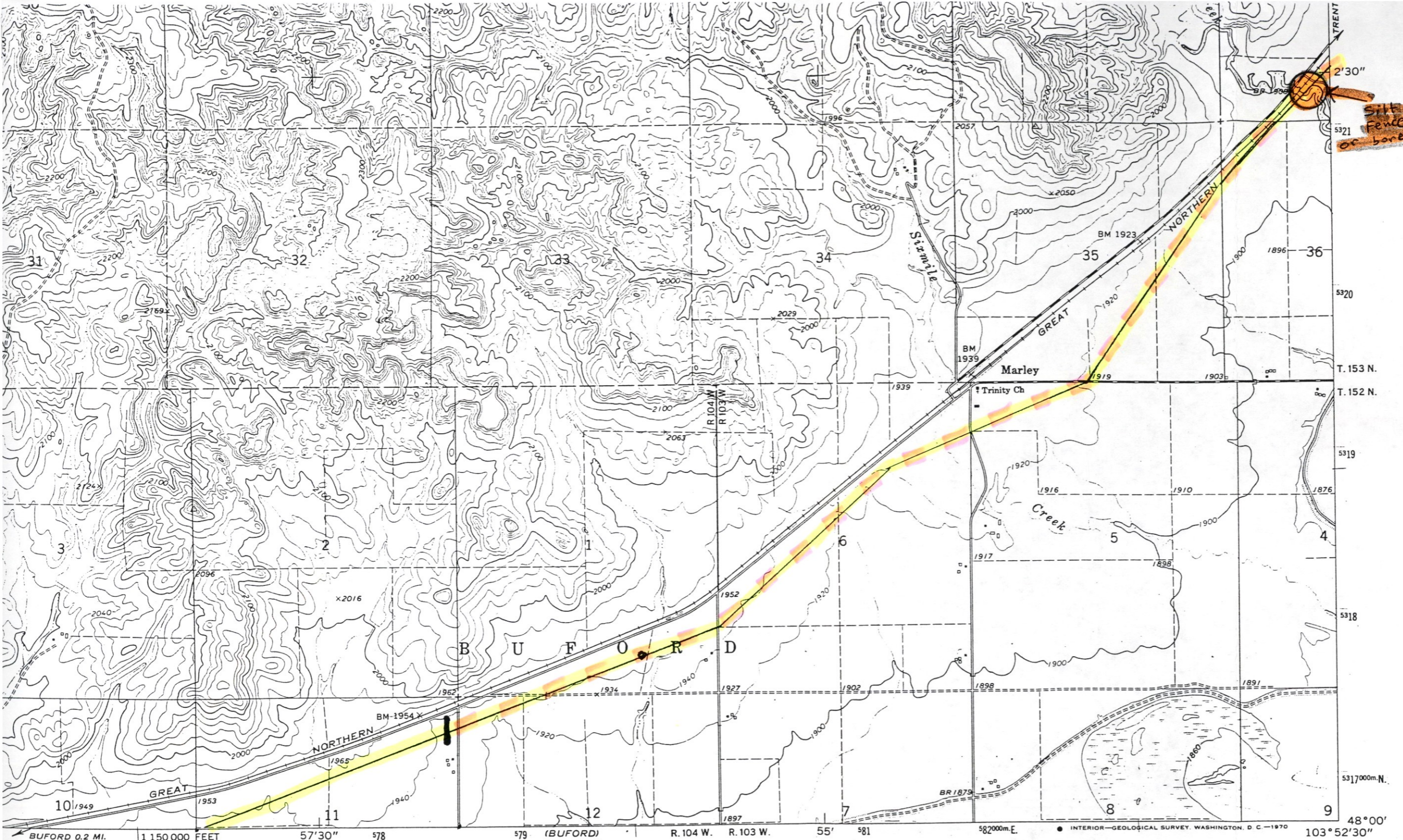
1878

1880

1875

1875

1880



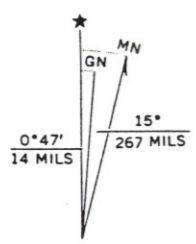
Silt fence or hole

R-1
NO

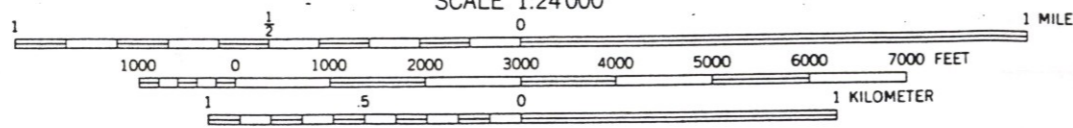
of the Geological Survey
Interior program
uri River Basin

ods from aerial
ked 1968
merican datum
ota coordinate system, north zone
rcator grid ticks,

d fence and field lines where
is. This information is unchecked

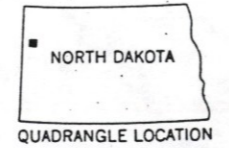


UTM GRID AND 1968 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET



CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
AND BY THE STATE WATER COMMISSION, BISMARCK, NORTH DAKOTA 58501
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



QUADRANGLE LOCATION

ROAD CLASSIFICATION

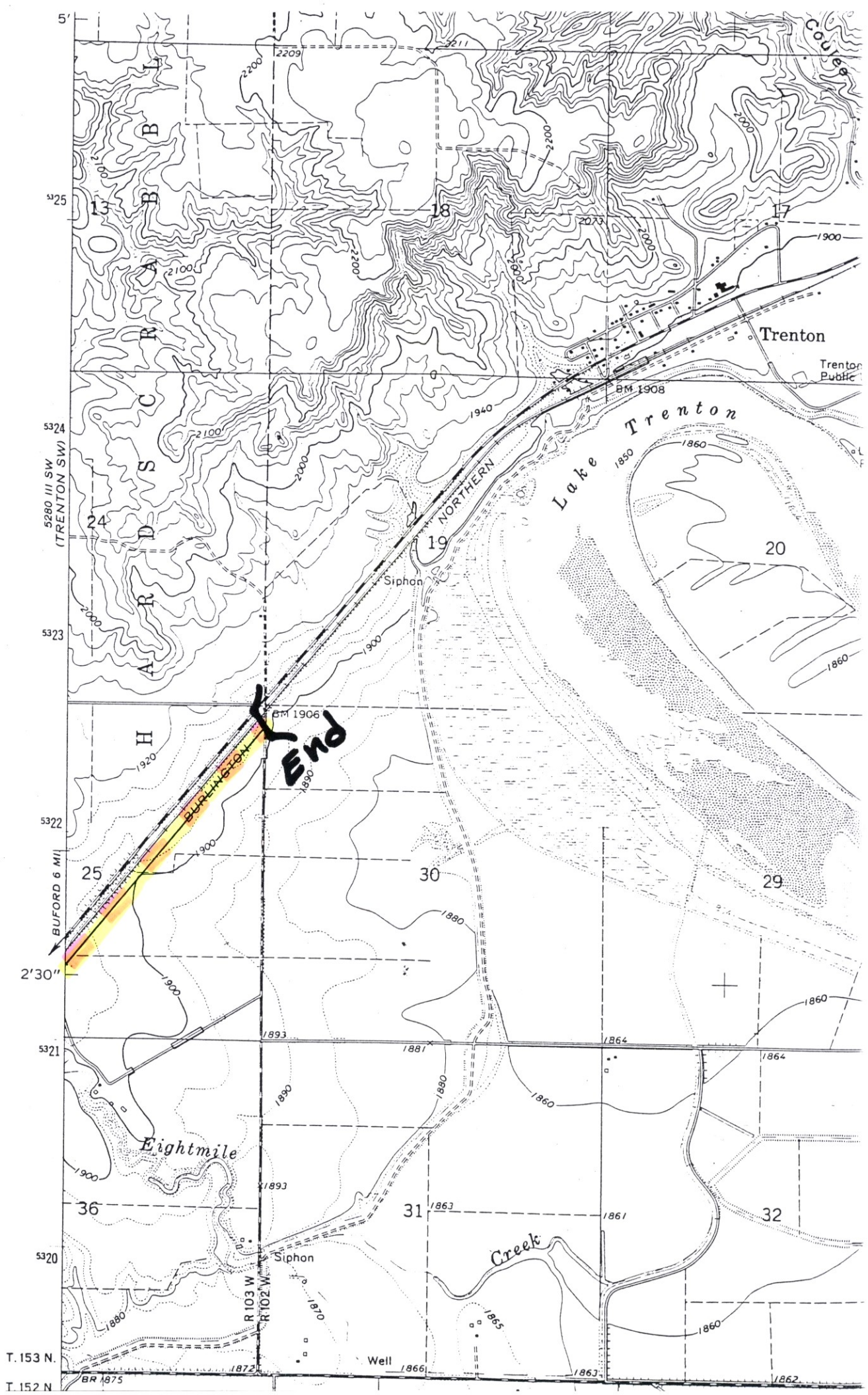
Secondary highway, all weather, hard surface	Light-duty road, all weather, improved surface
Unimproved road, fair or dry weather	

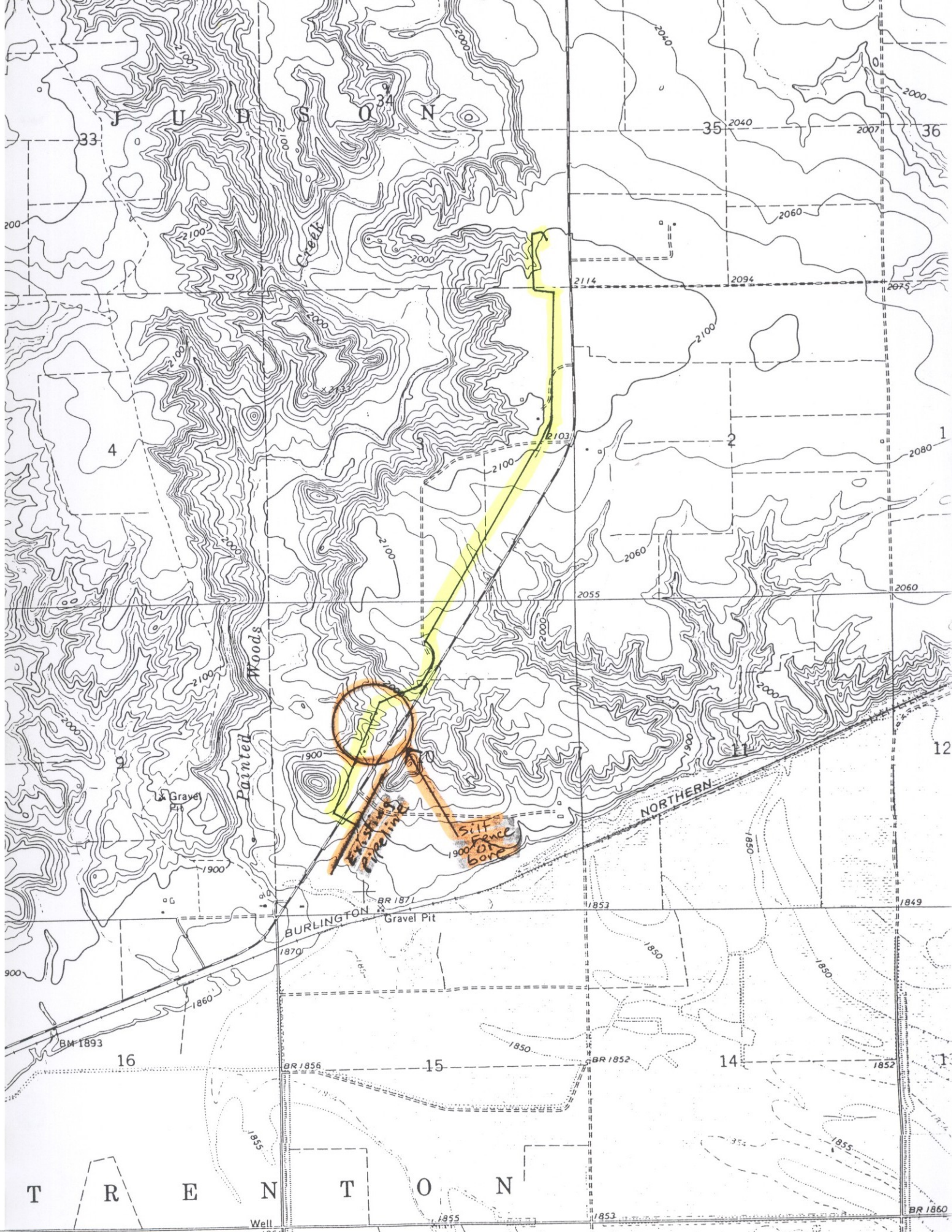
(CARTWRIGHT NE)
5279 IV NE

TRENTON SW, N. DAK.
N4800—W10352.5/7.5

1968

AMS 5280 III SW—SERIES V871





J U D S O N

Painted Woods

Gravel Pit

EXISTING PIPELINE

Silt fence on bore

BURLINGTON Gravel Pit

NORTHERN

T R E N T O N

Well

BR 1860





M A C

Metcalf Archaeological Consultants, Inc.

May 23, 2005

Mr. Paul Picha, Chief Archaeologist
State Historical Society of North Dakota
North Dakota Heritage Center
612 East Boulevard Avenue
Bismarck, North Dakota 58505-0830

RE: NDSHPO Reference #05-0635
Trenton Loop Survey

Dear Mr. Picha,

Enclosed is a copy of the report discussing the results and recommendations for the cultural resource inventory our office conducted on behalf of Plains Pipeline, L.P.:

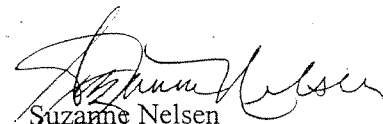
Plains Pipeline Trenton Loop: A Class III Cultural Resource Inventory in Williams and McKenzie Counties, North Dakota.

After you have had the opportunity to review and consult, please contact the MAC Bismarck office, as well as the client, with your comments. Our client, Daniel Holli has also requested that you please submit a copy of your concurrence letter to Jason Renschler, Project Manager at the US Army Corps of Engineers Office of Bismarck as well, as Mr. Renschler is holding the river crossing permit for this project pending concurrence from your office.

Mr. Daniel Holli, ES
Plains Pipeline, L.P.
P.O. Box 708
Belfield, North Dakota 58622-0708.

Thank you Mr. Picha for your assistance with this project. Again, should you have any questions or comments please contact the MAC Bismarck office.

Sincerely,


Suzanne Nelsen
Office Manager

cc: Mr. Daniel Holli, Plains Pipeline
Mr. Jason Renschler, US Army Corps of Engineers

enclosure



**STATE
HISTORICAL
SOCIETY
OF NORTH DAKOTA**

John Hoeven
Governor of North Dakota

North Dakota
State Historical Board

Diane K. Larson
Bismarck - President

Marvin L. Kaiser
Williston - Vice President

Albert I. Berger
Grand Forks - Secretary

Chester E. Nelson, Jr.
Bismarck

Gereld Gemtholz
Valley City

A. Ruric Todd III
Jamestown

Sara Otte Coleman
*Director
Tourism Division*

Kelly Schmidt
State Treasurer

Alvin A. Jaeger
Secretary of State

Douglass Prchal
*Director
Parks and Recreation
Department*

David A. Sprynczynatyk
*Director
Department of Transportation*

John E. Von Rueden
Bismarck

Merlan E. Paaverud, Jr.
Director

May 31, 2005

Mr. Jason Renschler
Program Manager
US Army Corps of Engineers
North Dakota Regulatory Office
1513 South 12th Street
Bismarck, ND 58504

Mr. Daniel Holli, ES
Plains Pipeline, L.P.
PO Box 708
Belfield, ND 58622-0708

**ND SHPO REF.: 05-0635c COE Plains Pipeline L.P.: Richland County
Expansion and Trenton Loop, Williams and McKenzie Counties, North
Dakota—Class III CRI Report**
COE 200560121 Plains Pipeline L.P. Applicant, Missouri River Crossing

Dear Mr. Renschler:

We have reviewed project: "Plains Pipeline Trenton Loop: A Class III Cultural Resource Inventory in Williams and McKenzie Counties, North Dakota," by Ed Stine and Damita Hiemstra (Metcalf Archaeological Consultants, May 2005), and find it acceptable.

We concur with a "**No Historic Properties Affected**" determination provided the project is of the nature stated, takes place in the location mapped and plotted, and follows the recommended avoidance strategies (boring and rerouting) outlined in the report and in project correspondence.

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 Fern Swenson at (701) 328-3575.

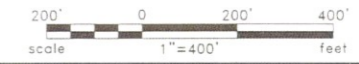
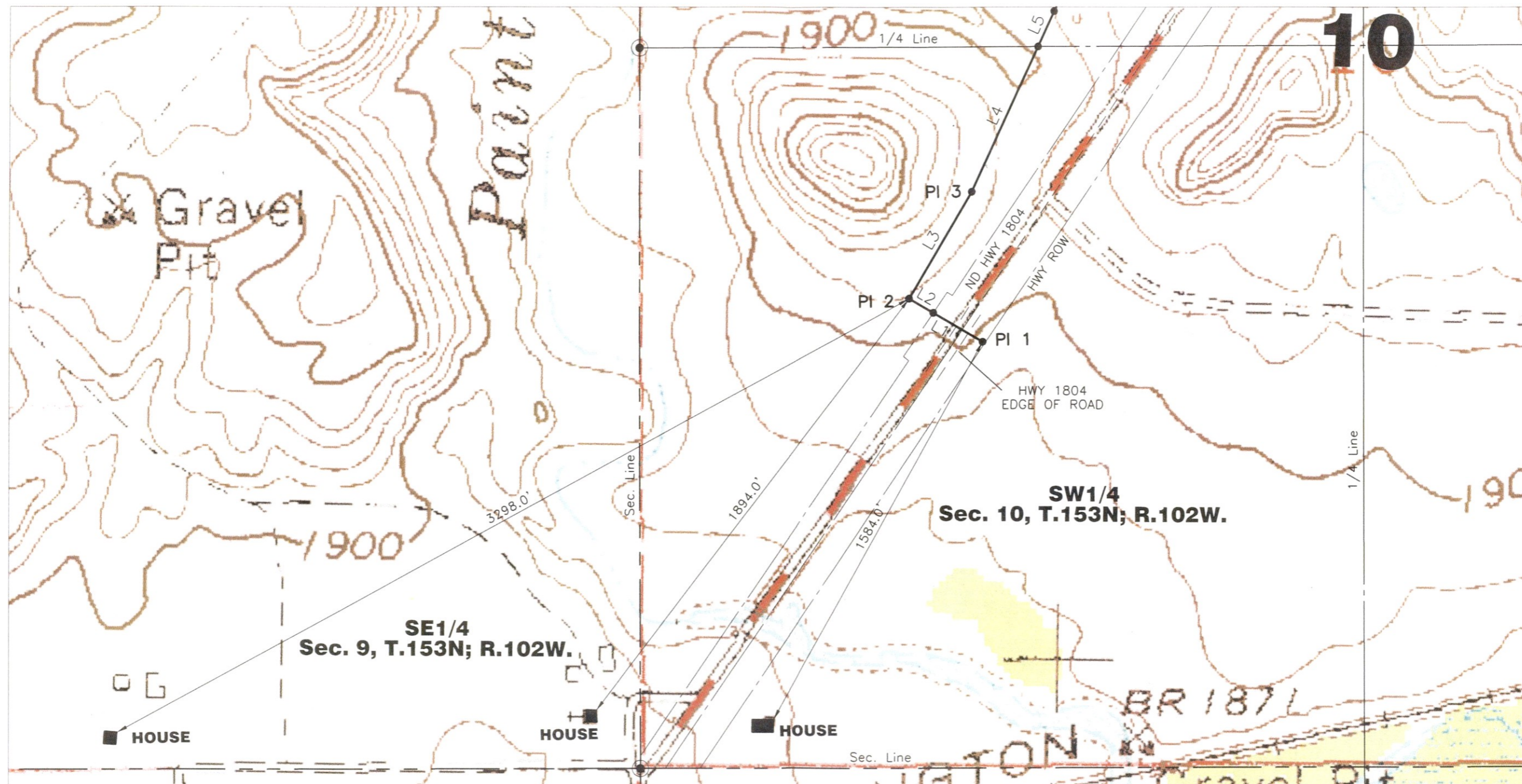
Sincerely,

Merlan E. Paaverud, Jr.
State Historic Preservation Officer (North Dakota)
and
Director, State Historical Society of North Dakota

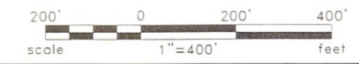
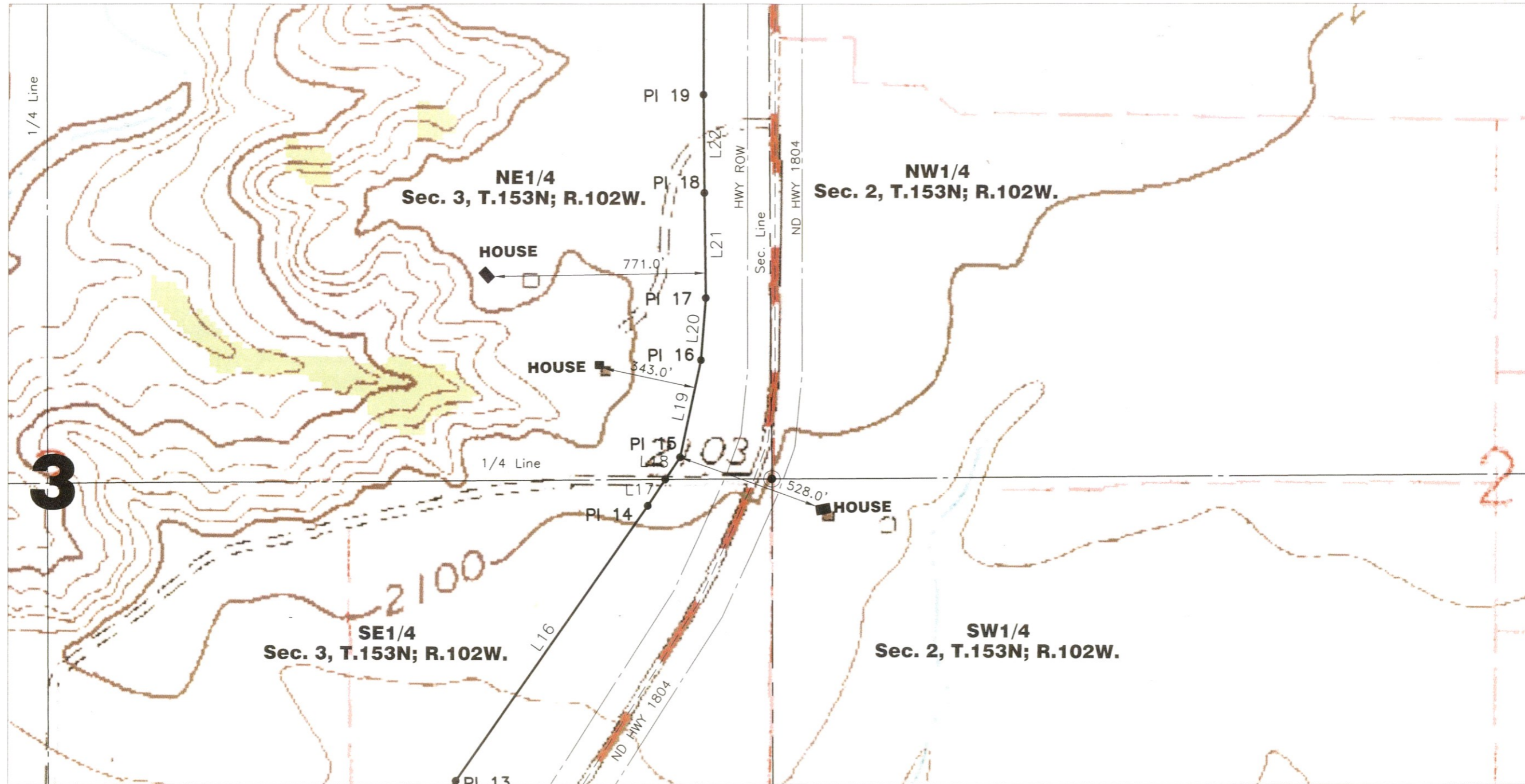
c: Suzanne Nelsen, MAC

Accredited by the
American Association
of Museums

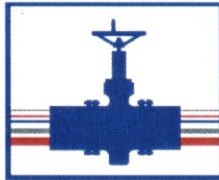




Rev'd. 00/00/0000		SHEET NO	
Plains Marketing Trenton Expansion Williams County, ND.		1	
Kadmas Lee & Jackson Engineers, Surveyors and Planners		10" Crude Line House Proximity to Line	
DRWN BY EMM	CHK'D BY CMH	PROJECT NO. 3704155	DATE 06/03/2005
J:\oilfield\plains_marketing\3704155\cad\3704155bos07.dwg			house_proximity
© Kadmas, Lee & Jackson 2005			



Rev'd. 00/00/0000		SHEET NO.	
Plains Marketing Trenton Expansion Williams County, ND.		2	
Kadmas Lee & Jackson Engineers, Surveyors and Planners		10" Crude Line House Proximity to Line	
DRWN. BY EMM	CHK'D BY CMH	PROJECT NO. 3704155	DATE 06/03/2005
J:\oilfield\plains_marketing\3704155\cad\3704155bas07.dwg			house_proximity
© Kadmas, Lee & Jackson 2005			



PLAINS
ALL AMERICAN

ENVIRONMENTAL, HEALTH AND SAFETY POLICY

Plains All American and its affiliated limited partnerships adhere to high standards of environmental quality and are committed to providing a work place that protects the health and safety of our employees and the communities surrounding our facilities. In fulfillment of this commitment, the Partnership will:

- Comply with the laws, rules and regulations that pertain to the environment, health and safety, and are applicable to the Partnership's business.
- Verify compliance through self-monitoring programs and regular facility assessments and, in a timely manner, correct any conditions in our operations that have a significant adverse health, safety or environmental impact.
- Train and empower each employee to recognize his or her responsibility and accountability to perform all activities in a manner that is safe for the employee, their co-worker and the environment.
- Establish and maintain corporate controls, including periodic reviews, to ensure that the Partnership's policy is being properly implemented and maintained.
- Participate when possible with government on a federal, state and local level in creating reasonable and attainable regulations to safeguard the community, workplace and the environment.
- Assess potential environmental, health or safety liabilities prior to the sale, lease, transfer or purchase of real property.
- Establish appropriate design, construction, operating and maintenance programs and practices to minimize risks, reduce releases and waste, increase energy efficiency, and conserve natural resources.
- Establish programs to analyze and mitigate risks, investigate significant environmental and safety incidents, and prepare for and respond to emergencies.

Mark F. Shires
Vice-President Operations

Trey E. Valenzuela
Vice-President EH&S

4.0 Response Activities and Resources

4.1 General

It shall be the goal of Plains Pipeline L.P. to detect, report, respond, and clean-up any oil spills with Plains Pipeline L.P. personnel. However, due to the extent of operations, certain functions will be performed by outside parties. It is also the goal of Plains Pipeline L.P. to avoid having a spill managed by local, state or federal authorities. These procedures are based on the presumption that Plains Pipeline L.P. will manage the incident and Plains Pipeline L.P. personnel will serve as On-scene (OC) and Incident Commanders (IC). Functions performed by outside parties may include initial notification to Plains Pipeline L.P., initial investigation, or even initial response activities such as containment efforts.

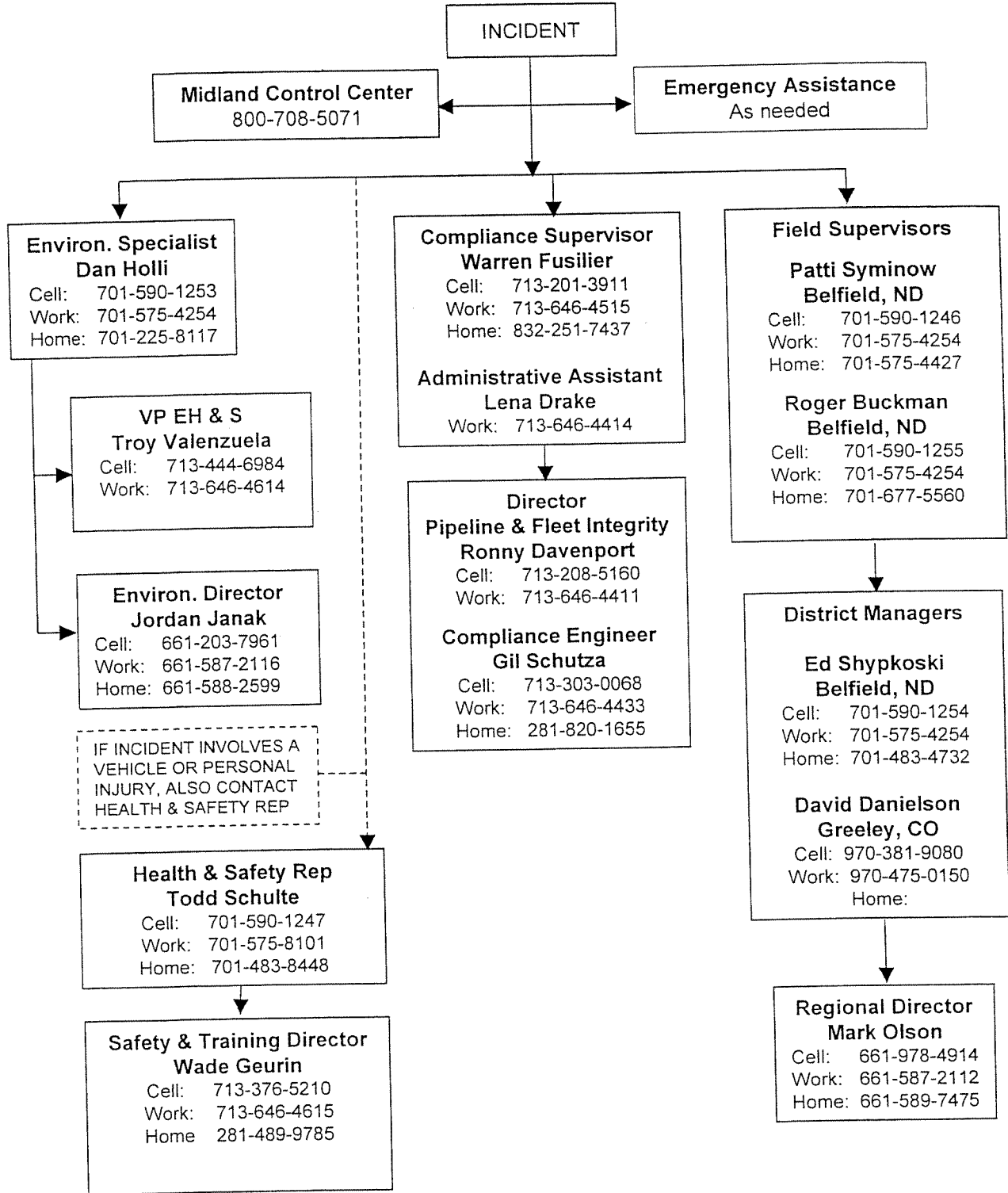
As soon as the incident has been determined to involve a Plains Pipeline L.P. facility, Plains Pipeline L.P. will take responsibility for response and notification activities. Contractors will be used if necessary for containment and clean-up operations or pipeline repairs. Only Plains Pipeline L.P. Personnel will act as QIs or perform notifications to outside sources such as agencies or media. Only Plains Pipeline L.P. personnel will interface with outside agencies as representatives of Plains Pipeline L.P..

The overall approach to an incident will be:

1. Verification of involvement of Plains Pipeline L.P. facilities.
2. Shut down of the segment in accordance with the operations manual.
3. Segment or facility isolation using block valves.
4. Segment or facility drain down using system equipment or other available means.
5. Containment of the release.
6. Repair of the segment or component causing the release.
7. Recovery of the spilled material.
8. Removal or treatment of environmental media contaminated by the spilled material.
9. Monitoring of the site for closure of the incident.

To the extent possible, clean-up operations will be managed with existing District or Response Zone staffing for the first 7 days. Plains Pipeline L.P. will also utilize a local spill contractor if necessary during the first 7 days. The contractor has sufficient number of trained personnel necessary to continue operation of the equipment. If necessary work sites will be manned 24 hours per day in shifts of 12 hours each. As a rule of thumb the night shift will be limited to monitoring containment equipment or recovery operations, but only if safe and necessary. Generally, staffing is such that emergency response activities can be conducted for up to a two week period without impact on maintenance activities. Emergency response activities beyond a two week period may require arrangements for personnel from other response zones or contract personnel. Long term clean-up or remediation activities such as groundwater remediation will be handled with contractors.

**PLAINS PIPELINE L.P.
INCIDENT CONTACT FLOW DIAGRAM**



4.1.1 Discovery by Plains Pipeline L.P. Employee

The first Plains Pipeline L.P. employee to discover an emergency situation shall be responsible for:

1. Taking any immediate action necessary to preserve life and property.
2. Taking any necessary action to minimize the volume of hazardous liquid being released or property damage. This may involve emergency shutdown or reducing pressure of pipeline systems.
3. Calling for assistance as needed from fire, police, etc.
4. Notifying the appropriate QI or alternate..
5. Collecting information for "Spill Reporting form".
6. Forwarding "Spill Reporting Form" information to appropriate personnel.

Refer to the Crisis Flow Diagram shown below.

4.1.2 Discovery by Outside Party with Notification to Plains Pipeline L.P.

The first Plains Pipeline L.P. employee notified of an emergency by a non-company person is responsible for:

1. Verifying the call.
2. Obtaining as much "Spill Reporting Form" information as possible from the person calling in.
3. Calling for assistance (Fire, Police, etc.) if necessary.
4. Notifying the Pipeline control Center if appropriate.
5. Notifying the appropriate the QI or alternate.

Refer to the Crisis Flow Diagram shown below

4.1.3 Role of Qualified Individual

Any of several qualified individuals who are available during normal business hours can be contacted for assistance. A list of qualified individuals for each area is presented in Section 5.

The role of the Qualified individual is to

- Activate and contract with required oil spill removal organizations,
- Activate personnel and equipment maintained by the operator,
- Act as liaison with the on scene coordinator, and
- Obligate any funds required to carry out all required and directed oil spill response activities.

An on – call employee list is maintained indicating which qualified employee is available to take

calls after normal business hours in the three areas on a 24 hour basis. This on - call list is posted in each of the areas. If the qualified individual cannot be reached in one area, a qualified individual on call from one of the other areas can serve as an alternate QI.

If the first attempt to contact a local QI is unsuccessful, an attempt should be made to contact an alternate QI from another area. On becoming aware that an emergency exists, the QI or designee will use the information collected on the "Spill Reporting Form" to determine if emergency response or outside help is needed. The QI or his designee will be responsible for taking the following appropriate action.

- Protect life and/or take property saving actions.
- Take steps to control or minimize oil released.

4.1.4 Role of Incident Commander

The first Qualified Individual on the scene of an emergency response situation will become the Incident commander. The Incident Commander will be responsible for the overall management of the incident through use of the Unified Command Structure. Depending on the magnitude of the incident, the Incident Commander will activate those parts of the Unified Command Structure that he believes are required to respond adequately to the incident.

The Unified Command Structure may require as few as one individual (the Incident Commander) in small response situations to handle all the functions of emergency response or it may require several individuals, as the Incident Commander deems necessary to fill the required staff positions in the Unified Command Structure.

- The Incident Commander will have the option of delegating his position to another qualified individual as the need arises.

4.1.5 Role of Plains Pipeline L.P. Management

The Plains Pipeline L.P. authorities listed in Section 2, once notified, will provide interface and update information to other interested corporate personnel. This will aid the Incident Commander or QI in only being required to notify one contact in the respective departments.

4.1.6 Oil Spill Response Organizations and Contractors

In some cases, it will be necessary to use Oil Spill Response Organizations or contractors in spill management efforts. Contractors will generally be given specific tasks based on specialized expertise. Mutual aid organizations will contain a variety of expertise. In all circumstances only a Plains Pipeline L.P. employee will serve as Incident Commander unless requested to relinquish it

a FOSC attendant. Available equipment of contractors and of mutual aid organizations, and indication of 24 hour availability of Contract employees is presented in Appendix 4.

4.1.6.1 Roles and Responsibilities of contractors

The roles and responsibilities of contractors that respond to an emergency include the following items:

- Be available on a 24 hour basis to respond to an emergency situation.
- Meet Operator Qualification requirements or have an OQ certified person designated to oversee contractor work.
- Work with the Incident Commander under direction of the Operations Section Chief to accomplish tasks developed by the Unified Command in the Incident Action Plan.
- Report progress and difficulties through the appropriate UC section chiefs for evaluation and possible relaying to the Incident Commander as required.
- Ensure that contract employees perform job tasks in a safe and reliable manner.

Contractors are expected to provide a supervisor who will be directed by Plains Pipeline L.P. personnel. Normally a Plains Pipeline L.P. representative will be assigned to a group of contractors and will inspect the work of the contractors. The Plains Pipeline L.P. inspector will interface with the contractor's supervisor Incident Command.

4.1.6.2 Roles and responsibilities of mutual aid organizations

Members of mutual aid organizations may have specific tasks to perform involving deploying equipment and sampling to determine the extent of contamination. These response personnel will have the following roles and responsibilities:

- Work with the Incident commander under direction of the Operations Section Chief to accomplish tasks developed by the Unified command in the Incident Action Plan.
- Report progress and difficulties through the appropriate UC section chiefs for evaluation and possible relaying to the Incident Commander as required.
- Ensure that mutual aid organization employees perform job tasks in a safe and reliable manner.

Members of mutual aid organizations will be directed by the Operations Section Chief under direction of the Plains Pipeline L.P. Incident Commander to perform specific tasks or functions within the incident command structure.

4.1.7 Communications Procedures

The Incident Commander is responsible to ensure the section chiefs have communications equipment adequate for maintaining communications during a worst case discharge. The IC is responsible to maintain communications with emergency response personnel during a worst case discharge by cell

phone or truck radio or other means to track and assess the conditions of the emergency response activities and to provide direction on how to accomplish the response activity. The Incident Commander should have adequate means to contact the Information Officer, Safety Officer and Liaison Officer as well.

In a worst-case discharge situation, response personnel may need to go into areas where cell phone or truck radio coverage is diminished. In these cases a walkie-talkies or another means of communication may be necessary. When using walkie-talkies, one person should remain stationed at a point where communication with the Incident commander is adequate and within range of communications from the emergency responder(s).

The various Section Chiefs are responsible to select a work location where communication with both the emergency response personnel and the Incident commander is adequate. The Section Chiefs are responsible to maintain communication with the command center using the equipment they have available.

Provision should be made to allow for recharging of cell phone and walkie-talkie radios.

6.0 Response Training

6.1 Training Procedures

Plains Pipeline L.P. has an annual training and education plan which meets the requirements of 29 CFR 1910.120. The annual plan consists of classroom and team based training that includes safety and environmental issues such as: characteristics and hazards of hydrocarbons, emergency response procedures, selection and use of personal protective equipment, fire fighting procedures, HAZWOPER, etc. Training includes classroom training that is highly structured and standardized across the company. The team-based training has a standard lesson plan, but is structured to be specific to the teams' operations. Plains Pipeline L.P. training is conducted by Safety Specialists.

This annual training plan and associated training activities include both annually required and periodically required training. All employees in Plains Pipeline L.P. participate in this training. Field and supervisory employees may receive additional safety and environmental training specific to work practices in field work environment.

This training is documented using Plains Pipeline L.P.'s Training and Education Documentation Process, which includes signed roster sheets, and is recorded. Individual training documentation is kept on file at each Safety Specialist's office. To ensure effectiveness of this training, a standardized evaluation process to determine areas of training that need clarification and to check employee understanding of material has been established.

6.1.1 Specific Training, Including Initial And Periodic Refresher Training Will Include:

- A minimum of 8 hours of Hazardous Waste Operations and Emergency Response (HAZWOPER) training. This will include training in Personal Protective Equipment (PPE), and other hazard specific training where appropriate such as H₂S and Benzene.
- Use of the Emergency Response Action Plan including a review of plan and content organization, how it is utilized during response to incidents, and review of the job assignments that team members may be expected to fill.
- Training in the Incident Command System (ICS)
- Training in use and understanding of Material Safety Data Sheets (MSDS) and safety precautions to be taken when the potential for exposure to hazardous material may exist. Material Safety Data Sheets are located in Appendix I of this Plan for reference.
- Training in the utilization of the company communications systems that may be used during a spill response.
- Familiarization with specific facilities where the member may be required to respond, such as location of valves, location of preplanned boom sites, etc.
- Training on the Operations and Maintenance Plan to be familiar with startup and shutdown procedures, etc.

In addition to the requirements/competencies listed below, the facility will take into

account during training sessions for all spill management team members the suggested National Preparedness for Response Exercise Program (PREP) guidelines as listed in Section 7.

6.2 Facility Spill Management Team:

Qualified Individual:

1. Read, review, and understand the elements of the facility response manual.
2. Understand response requirements - time, money, personnel, equipment.
3. Maintain liaison with response contractors.
4. Receive emergency response management training (e.g., 8 hr. HAZWOPER)
5. Recognize and know how to report emergency situations.
6. Receive training on emergency shutdown procedures including:
 - A. Shutting off sources of discharge/spill
 - (i) close tank valves
 - (ii) close line valves
 - (iii) stop pumps
 - B. Extinguishing potential ignition sources in the discharge/spill area.
 - (i) pumps
 - (ii) heaters
 - (iii) vehicles

Contractor Personnel:

The spill contractor(s) will provide management and response personnel with appropriate OSHA Hazwoper training, spill management training, and training on equipment used by the contractor.

Laborers:

The spill contractor(s) will be responsible for ensuring that any laborer brought on-site to assist with the response effort has received the necessary spill response (OSHA) training. This includes casual laborers or volunteers.

Volunteers:

Only persons who are associated with the facility's spill contractor(s) or other spill response organizations assisting in a spill remediation effort, and who are known to have the minimum required response training to perform a response task, will be permitted to assist with response to a discharge.

During post-emergency response, it may become necessary to hire additional personnel for site clean-up and rehabilitation. Whenever temporary personnel (casual hires) are involved, Plains Pipeline L.P. shall review the following items to ensure that they are properly trained:

1. Site-specific safety plan,
2. chemical hazards at the site,

3. wearing of appropriate personal protective equipment,
4. their specific role in the clean-up,
5. names and contacts for the Incident Command System personnel.

Upon completing this review, the temporary personnel will sign a roster sheet indicating that they have received this training and summary of the items covered. The roster sheet is then forwarded to the Incident Commander for inclusion in the incident documentation records.

Plains Pipeline L.P. Emergency Contacts:

1. Ed Shypkoski
Manager, Belfield District
(701)-575-4254 X 19 (Office)
(701)-483-4732 (Home)
(701) 590-1254 (Cell)
2. Roger Buckman
Field Supervisor
(701)-575-4254 Ext. 13 (Office)
(701) 590-1255 (Cell)
(713) 667-5560 (Home)
3. Jordan Janak
Director, Environmental
(661) 587-2116 (Office)
(661) 203-7961 (Cell)
4. Daniel Holli
Environmental R/C Specialist
(701)-575-4254 X 34 (Office)
(701) 225-8117 (Home)
(701) 590-1253 (Cell)
5. Clark Ingram
Plains Pipeline L.P. Insurance Representative
(713)-993-5112 (Work)
6. Troy Valenzuela
Plains Pipeline L.P. Media Contact
(713) 646-4614 (Work)