

## Fahn, Patrick J.

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**From:** Kathleen Spilman, [kspilman@keitu.com]  
**Sent:** Tuesday, January 15, 2008 1:35 PM  
**To:** -Info-Attorney General; Olson, Carol K.; Lucy, Paul J.; Engleson, Jeff A.; Peterson, Walt A.; Kulas, Cheryl M.; Brostrom, R. Wayne; -Info-Aeronautics Commission; -Info-Dept. of Agriculture; Dwelle, Terry L.; -Info-Dept. of Public Instruction; Schumacher, John D.; Murphy, Ed C.; Rauschenberger, Ron W.; Boyd, James R.; -Info-Labor Dept.; Brand, Mike D.; Dirk, Christine N. G.; Sharp, Pamela K.; Paaverud, Merl E.; 'Soil Convtn Cmtte'; Frink, Dale L.  
**Cc:** 'John Morrison'; 'Tad True'; Fahn, Patrick J.  
**Subject:** Notice of Proposed Pipeline Reroute - Belle Fourche Pipeline, PU-07-596  
**Attachments:** eCopy 11 Jan 08 BFPL Reroute Request FINAL.pdf

Belle Fourche Pipeline Company received both a corridor and route permit in November 2007 to construct a 32 mile long pipeline to transport petroleum liquids including crude oil. The entire pipeline segment is located in McKenzie County. This project will open up capacity to move crude oil and petroleum liquids to alternate markets (i.e. Clearbrook pipeline hub) and avoid the steep price discounts for crude oil sold into the Guernsey Wyoming hub. Belle Fourche is attempting to expedite this project and actually has a construction crew working in the field now with up to 6 welding crews.

As the actual pipeline route was staked and site preparation began, two areas were identified for minor route changes to improve the constructability of the line. When the "north reroute" was discussed with the appropriate landowners, one of the landowner requested a more extensive reroute to avoid areas of concerns on his property. The proposed north reroute also incorporate the features of her request. Note both reroutes involve segments of the pipelines which will be completely underground with the exception of pipeline markers and cathodic protection connections required by US DOT regulations. The maximum deviation from the current approved route for the southern route is 212 feet. The maximum deviation from the currently approved route in the northern reroute area is 1132 feet. In both cases, the entire reroute remains within the 1 mile wide corridor which was the subject of detailed field surveys last August 2007. Findings of the field surveys are depicted on the maps, enclosed.

In order to statisfy North Dakota Administrative Code 69-06-01-05, we are notifying you on behalf of your state agency of this proposed change on behalf of our client Belle Fourche Pipeline Company. The Public Service Commission is holding an informal hearing on the reroutes on Wednesday January 16, 2008 at 4:00 pm in Bismarck. I have attached a complete copy of the reroute request submitted to the PSC for your review. If you have any concerns or require any additional information you should contact either Patrick Fahn of the PSC staff at (701) 328-4077 or via email at [pfahn@nd.gov](mailto:pfahn@nd.gov), Tad True of Belle Fouche Pipeline at (307) 237-9301 or via email at [tadtrue@truecos.com](mailto:tadtrue@truecos.com) or myself at (701) 667-1800 or via email at [kspilman@keitu.com](mailto:kspilman@keitu.com) before 4:00 PM tomorrow. If you desire additional information or an electronic copy of the original corridor or route permit applications and supplemental documentation, please contact me and it will be provided to you electronically.

Thank you for you immediate attention to this notice. If would assist the process greatly if you or a member of your staff would send a reply to this note as soon as possible to indicate if your agency at all could have a possible concern with this modification.

Kathleen M. Spilman, PE  
Managing Director  
Keitu Engineers & Consultants, Inc.  
330 First St NW; PO Box 98  
Mandan, ND 58554  
(701) 667-1800 [www.keitu.com](http://www.keitu.com)



PO BOX 98  
330 1ST STREET NW  
MANDAN, ND 58554-0098  
701-667-1800

January 11, 2008

ND Public Service Commission  
Attn: Mr. Patrick Fahn  
600 East Boulevard – Dept. 408  
Bismarck, ND 58505-0480

**Case No. PU-07-596 Belle Fourche Pipeline 8-inch Crude Oil Loop, McKenzie County  
Pipeline Field Route Modification Request - Supplemental Information**

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Per the January 10, 2008 request by your staff, we are submitting both enhanced and supplemental documentation supporting the January 8, 2008 request for two route modifications. Diagrams depicting the route changes superimposed over aerial photographs are enclosed.

Copies of land plats for the reroute areas prepared by a registered land surveyor with Interstate Engineering, Inc. are also included for your use.

(1) South Reroute – 21st Street

To improve both the constructability of the line (i.e. reduce the pipe bending and stress during installation) and increase the distance to the adjacent property line, we respectfully request the line be rerouted to the position denoted in red. The October 2007 re-route presented in pink had been submitted as a late exhibit at the public hearing. The white line represents the original proposed route in the permit application.

The new route remains within the field survey corridor included in the original submission. No new section lines, roads or water crossings are impacted. The distance between points of the current approved reroute (denoted in pink) and the proposed reroute (denoted in red) ranges between 0 and 212 feet.

No impacts to naturally occurring woody areas would occur. The same shelterbelt / tree rows are impacted by the project but at points approximately 50 feet away. Number of trees impacted by the project remains the same at both locations. The tree and shrub inventory submitted previously by Belle Fourche correctly identify the impacted locations. The existing shelterbelt impact would be of the same magnitude at slightly different locations.

A single rural residence exists within the width of the study corridor in this area of the project and is located over 1300 feet away from the proposed reroute and the October 2007 reroute each over twice the distance of statutory avoidance distance of 500 feet. No other rural residences were identified within a half mile of the proposed reroute. No other Avoidance Area features were identified in this area of the project.

No archaeological areas of potential exposure (APEs) are within the 1-mile wide field survey corridor therefore no impacts to cultural resources will occur by this proposed reroute.

The surveyor's information is presented on two sheets specific to Section 7 and Section 18 in Township 149N and Range 101W. You will note that land ownership changes as one moves north or south along the route; so a small lateral change (i.e. east or west) remains within the same land ownership.

(2) North Reroute – West of the City of Alexander

A more significant route is proposed is being initiated at the request of the landowner. The proposed January 2008 North Reroute (denoted in red) begins exactly as the currently approved October 07 reroute (denoted in pink) until it reaches the first corner of an adjacent land parcel. Rather than turn north to cross Lonesome Creek at a relatively wide marshy point, the proposed January 08 reroute continues straight to the north northwest crossing the creek at a narrower point, continuing under the County Road 20 / 29<sup>th</sup> Street until passing beneath a former railroad rail bed. The proposed route curves back to the north northeast and turns north to parallel but remaining outside the west city limits of Alexander. The route finishes by continuing in a northern direction, paralleling but not impacting a tree row northwest of the city and finally finishing on two diagonal segments to the northeast to rejoin the original pipeline route.

In addition to being more desirable by the landowner, this proposed reroute minimizes potential surface and stormwater impacts by avoiding a marshy area of the water crossing, moves the pipeline further away from an occupied dwelling, avoids routing through a municipal area as well as the landowner's stock pond and feed lot. You may recall from the permit application that a landowner expressed concern over possible impacts to a natural spring on his property feeding his stock pond. This route change moves the pipeline further away from this area, further reducing probable impacts. Finally, this proposed reroute moves the pipeline location even farther away from the municipal drinking wells of the City of Alexander.

This North Reroute also remains completely within the field survey corridor included in the original submission. No new section lines or roads are impacted and a smaller impact to the Lonesome Creek water crossing is expected. No naturally occurring woody areas nor even shelterbelt / tree rows and/or shrub areas are impacted by this reroute.

Four rural residences exist within the width of the study corridor in this area of the project. Two are impacted by the proposed reroute, and in both cases the reroute will move the pipeline further away from the residences. The pipeline would also be located further away from the residential areas within the developed areas of the City of Alexander if this reroute is approved. No other rural residences were identified within a half mile of the proposed reroute.

The North Reroute shows the location of the two municipal water wells listed for the City of Alexander. The proposed reroute moves the pipeline further away from both well locations. No other Avoidance Area features were identified in this area of the project.

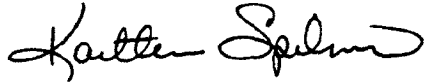
A total of six (6) archaeological areas of potential exposure (APEs) are within the 1-mile wide field survey corridor: 32MZ1560 US Highway 85; 32MZ1561 Electrical Transmission Line; and 32MZ155, 32MZ484, 32MZx326 and 32MZx1031 which are all abandoned structures. In all six cases, the proposed reroute moves the pipeline location further way from the APEs.

The surveyor's information is presented on two sheets specific to Section 6 and Section 31 in Township 150N and Range 101W. Again land ownership changes as one moves north or south along the route; so a small lateral change (i.e. east or west) remains within the same land ownership.

The proposed North Reroute crosses the property of the same three landowners as the current approved route: Charles and Ethyl Aasen, Marie Braaten, and the Tim Dwyer Farm Trust. This North Reroute is being initiated at the request of Marie Braaten and the Aasens and the Dwyer Trust have agreed to this request. The location of this North Reroute is within boundaries of the existing easement obtained previously from these landowners for this project.

We believe the information satisfies the requirements outlined to me during our telephone conversation on January 10, 2008.

Any efforts to expedite approval of these changes would be extremely appreciated.

A handwritten signature in black ink, appearing to read "Kathleen Spilman". The signature is fluid and cursive, with the first name "Kathleen" written in a larger, more prominent script than the last name "Spilman".

Kathleen M. Spilman, PE  
Managing Director

Enclosures (6)

cc: Bob Dundas, Belle Fourche Pipeline, w/ enclosures  
John Morrison, Fleck, Mather, & Strutz PC, w/ enclosures

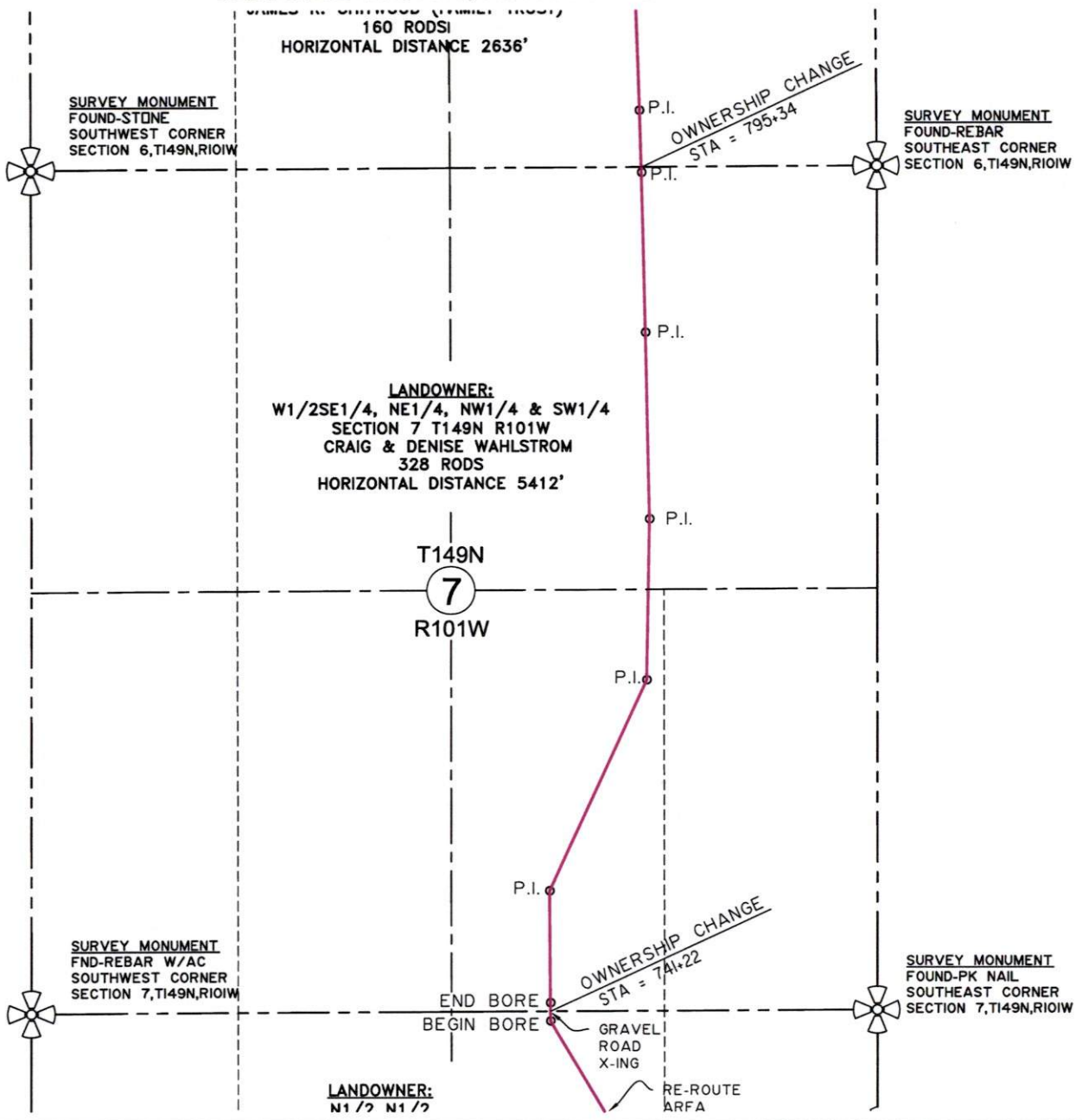
Note:  
No Archaeological Area  
of Potential Exposure  
(APE) identified on area  
shown on this diagram



 **KEITU**  
ENGINEERS & CONSULTANTS, INC.  
330 1<sup>st</sup> St NW Mandan ND 58554-0098  
701-667-1800 fax 701-667-1802

**South Reroute – 21<sup>st</sup> Street**  
Belle Fourche Pipeline  
8-inch Crude Oil Pipeline Project  
ND PSC Case No. PU-07-596  
January 2008 - Revised

**EXHIBIT DRAWING**  
**8" ALEX LINE-BELLE FOURCHE**  
**SECTION 7, T149N, R101W**  
**McKENZIE COUNTY, NORTH DAKOTA**



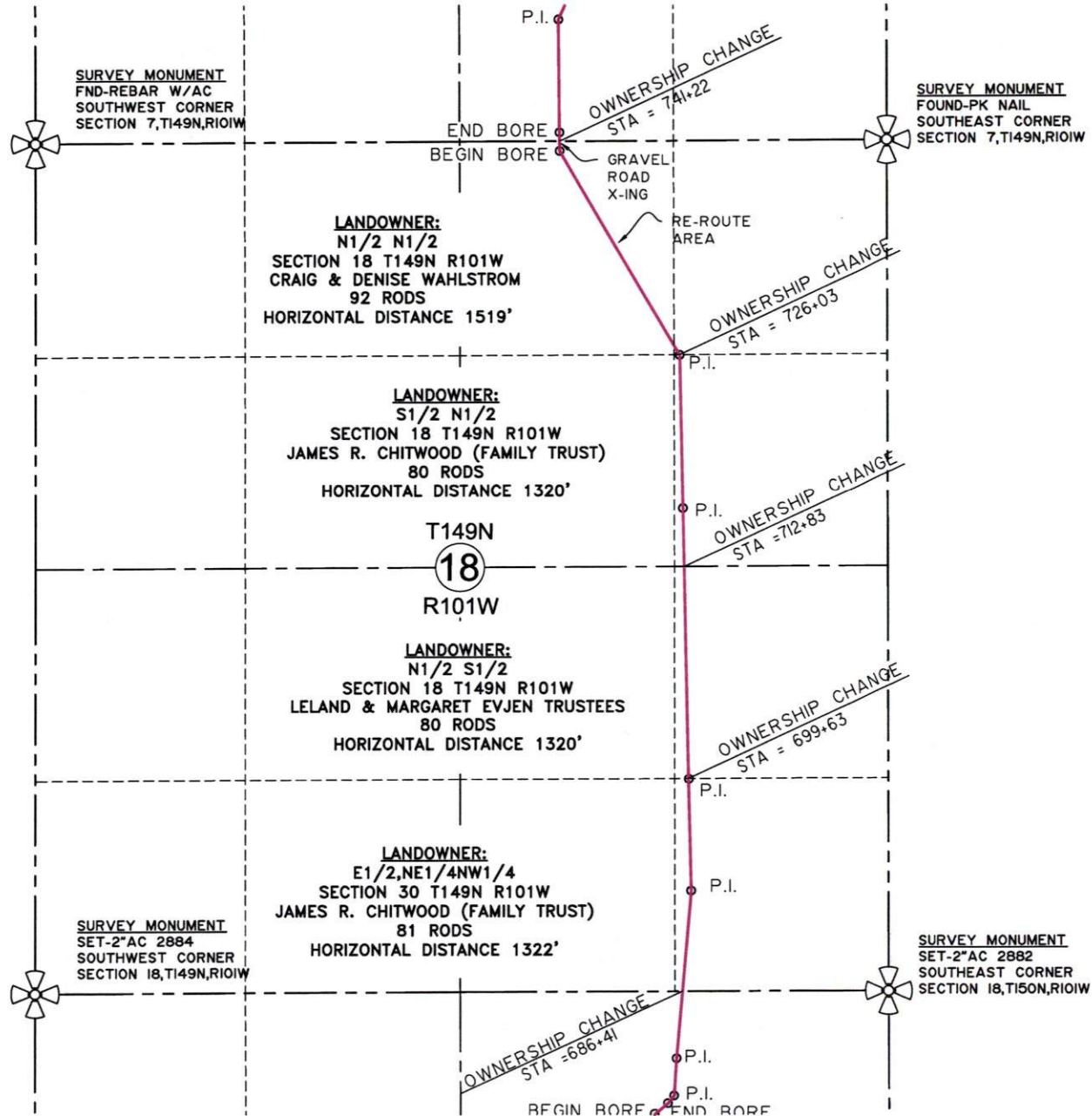
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Revision No.	Date	By	Description

PROPOSED PIPELINE ROUTE  
 8" ALEX LINE BELLE FOURCHE  
 McKENZIE CO., NORTH DAKOTA  
 Drawn By: D.R.S. Project No: S07-9-183  
 Checked By: DRSZ/RLP Date: JAN\_08

**interstate engineering, inc.**  
 Engineering - Surveying - Planning  
 P.O. BOX 648 SIDNEY, MT. Ph. 406-482-5617 Fax 406-482-5618  
[www.iengi.com](http://www.iengi.com)

**EXHIBIT DRAWING**  
**8" ALEX LINE-BELLE FOURCHE**  
**SECTION 18, T149N, R101W**  
**McKENZIE COUNTY, NORTH DAKOTA**



SCALE: 1"=1000'

Revision No.	Date	By	Description

PROPOSED PIPELINE ROUTE  
 8" ALEX LINE BELLE FOURCHE  
 MCKENZIE CO., NORTH DAKOTA  
 Project No. SOT-9-1183  
 Drawn By: D.R.S.  
 Checked By: DRS./RLP Date: JAN\_08

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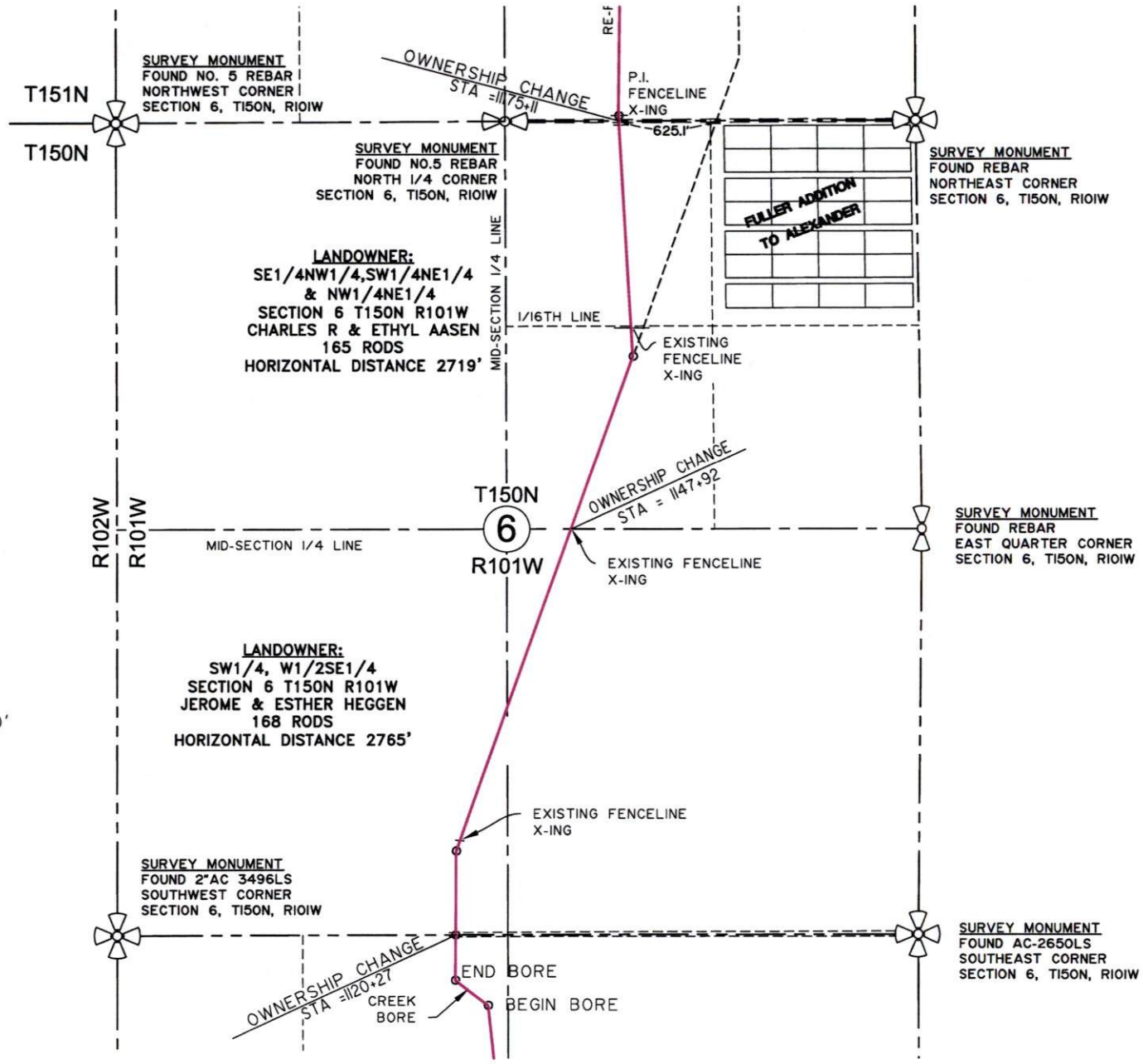
**KEITU**  
ENGINEERS & CONSULTANTS, INC.

330 1<sup>st</sup> St NW Mandan ND 58554-0098  
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**North Reroute – West of Alexander**

Belle Fourche Pipeline  
8-inch Crude Oil Pipeline Project  
ND PSC Case No. PU-07-596  
January 2008 - Revised

**EXHIBIT DRAWING**  
**8" ALEX LINE-BELLE FOURCHE**  
**SECTION 6, T150N, R101W**  
**McKENZIE COUNTY, NORTH DAKOTA**




SCALE: 1"=1000'

Revision No.	Date	By	Description

PROPOSED PIPELINE ROUTE	
8" ALEX LINE BELLE FOURCHE	
McKENZIE CO., NORTH DAKOTA	
Drawn By: D.R.S.	Project No: S07-9-183
Checked By: DRS/Z/RLP	Date: JAN_08

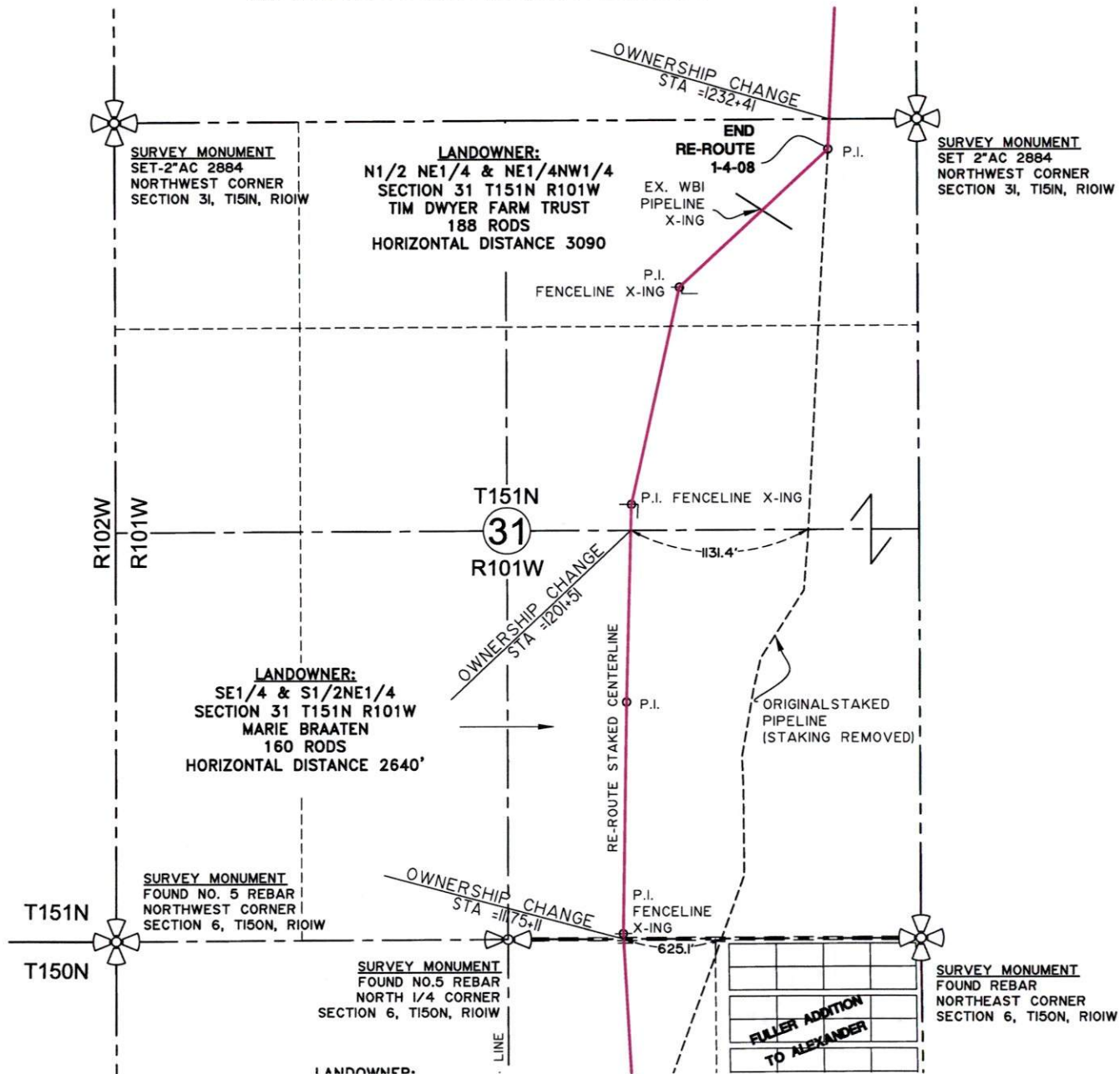
  



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1	OF	1
SHEET NO.		

**EXHIBIT DRAWING**  
**8" ALEX LINE-BELLE FOURCHE**  
**SECTION 31, T151N, R101W**  
**McKENZIE COUNTY, NORTH DAKOTA**



SCALE: 1"=1000'

Revision No.	Date	By	Description

PROPOSED PIPELINE ROUTE  
 8" ALEX LINE BELLE FOURCHE  
 McKENZIE CO., NORTH DAKOTA  
 Drawn By: D.R.S. Project No: S07-9-183  
 Checked By: DRSZ/RLP Date: JAN\_08

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