

KEYSTONE PIPELINE PROJECT - U.S. PHASE IV (STEELE CITY SEGMENT)

6

0200-SD-P2-473.5-475.8-S

**KEYSTONE XL PIPELINE PROJECT - STEELE CITY SEGMENT
PIPELINE ROUTE VARIATION FORM**

1
VARIATION TYPE: Refinement: Reroute: X
 Centerline: X Valve Site: Pump Station:

2
LOCATION: Sketch: Attached Pictures: See attached
 State: SD County: Haakon Quad Map: N/A
 Township: 2N Range: 23E, 24E Aerial Map: See attached map sheet
 Section: 24, 19, 20 Centerline: 11/18/2010 MP: 473.51 to 475.77

3
REASON FOR ROUTE VARIATION (Please include reason for route variation):
 The current centerline crosses ephemeral drainage features near MP 474.40 and at MP 475.1. This reroute is proposed to avoid a more difficult construction and save the cost of reclamation by avoiding routing along the drainage feature (~MP 474.4) and to have a better crossing location at the creek near MP 475.16. This reroute is proposed based on a flyover video of the centerline which identified crossings which are difficult to construct. Also this route variation avoids 3 creek crossings near MP 474.3. Variation adjusted to increase distance between CL and pond located southwest of current CL near MP 475.2.

DETAIL ROUTE VARIATION (Please describe route variation in detail):
 The proposed route variation starts at MP 473.5 and deviates slightly (~6°) east from current centerline. It continues in this direction for ~4,950 ft until it maintains sufficient distance from the drainage/stream to avoid any construction impacts. From here, it turns southwest towards the CL and continues for ~7,120 ft to rejoin the centerline near MP 475.77. Along its path, it makes minor deviations to avoid a drainage feature to its northeast and crosses Jack Daily creek (EPH) (~MP 475.16) at a better crossing location, ~240 ft northeast of its current location.

ADDITIONAL IMPACTS (Please include any additional impacts which may affect cost; crossings, induction bends, etc.):
 The proposed reroute is ~106 ft longer than the current route.

Is there an increase/decrease in the number of crossings? Yes X No
 If yes, please list: 1 stream crossing (Unnamed tributary to Mud Creek, EPH); 2 other small drainage features

COST ANALYSIS (costs incurred or saved from the route variation)

Additional length of route realignment:	<input type="text"/> 106	ft.	\$ 38,113.20	\$ 360/ft
Additional length of side-hill construction:	<input type="text"/>	ft.	\$ -	\$ 19/ft
Additional length of wetland construction:	<input type="text"/>	ft.	\$ -	\$ 195/ft
Additional bore length (Road, RR):	<input type="text"/>	ft.	\$ -	\$ 640/ft
Additional foreign line/pipeline crossings:	<input type="text"/>	EA	\$ -	\$ 30,000/EA
Additional water body crossing (streams, ponds, etc.):				
35 - 65' +	<input type="text"/>	EA	\$ -	\$ 185,000/EA
10' - 19'	<input type="text"/> -1	EA	\$ (77,250.00)	\$ 77,250/EA
Less than 10'	<input type="text"/> -2	EA	\$ (65,000.00)	\$ 32,500/EA
Additional survey required:				
Civil:	<input type="text"/> 2.29	mile	\$ 11,428.88	\$ 5,000/mile
Cultural:	<input type="text"/> 2.29	mile	\$ 5,714.44	\$ 2,500/mile
Biological:	<input type="text"/> 2.29	mile	\$ 6,400.17	\$ 2,800/mile
Miscellaneous costs saved or added due to route variation from ADDITIONAL IMPACTS listed above:	<input type="text"/>			
Overall estimated costs of the route variation:	\$ (80,593.31) (See "Additional Impacts" above)			

KEYSTONE PIPELINE PROJECT - U.S. PHASE IV (STEELE CITY SEGMENT)

4
LAND / UNIVERSAL FIELD *Doug Reichley*

a) Is a new landowner affected by the proposed variation? Yes: No:

b) Is proposed realignment outside the easement/workspace? Yes: No:

c) Is realignment proposed to satisfy landowner request? Yes: No:

-If yes, name of landowner(s)/track number(s):

d) Has all the evaluation criteria been examined/provided for this specific discipline? Yes: No:

If no, please explain why:

5
ENGINEERING/CONSTRUCTION / STATE PM *Mæra Kothari*

a) Maximum deviation perpendicular to proposed alignment: ft.

b) Has the centerline been staked for construction? Yes: No:

c) Does route variation affect HDD crossing alignment? Yes: No:

d) Is realignment proposed for engineering/construction reasons? Yes: No:

e) Will the route variation require the relocation of a pump station? Yes: No:

f) Has all the evaluation criteria been examined/provided for this specific discipline? Yes: No:

If no, please explain why:

6
ENVIRONMENTAL / exp *Jonathan Minton*

a) Has the corridor been environmentally surveyed? Yes: No:

b) Has the proposed variation been environmentally surveyed? Yes: No:

c) Was variation proposed to satisfy environmental issues? Yes: No:

d) Was realignment proposed to satisfy agency request? Yes: No:

-If yes, name of agency(s):

e) Environmental features:

Added (+): Subtracted (-):

Wetland ID # for newly impacted wetlands:

f) Has all the evaluation criteria been examined/provided for this specific discipline? Yes: No:

If no, please explain why:

7
ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) *Sandra Gigovic*

a) Will the route variation require the relocation of a pump station? Yes: No:

b) Will route variation impact hydraulics? Yes: No:

c) Are additional valves required at HCA's or water crossing? Yes: No:

d) Has all the evaluation criteria been examined/provided for this specific discipline? Yes: No:

If no, please explain why:

8
STAKEHOLDER RELATIONS / TCPL (if applicable) *Bud Andersen*

a) Does the variation result in any new stakeholders? Yes: No:

b) Does the variation require follow-up with specific stakeholder groups? Yes: No:

c) Was the variation proposed to satisfy stakeholder request? Yes: No:

-If yes, please specify issue type (as it aligns to stakeholder database):

d) Has all the evaluation criteria been examined/provided for this specific discipline? Yes: No:

If no, please explain why:

9
 Originator:
 Date:

10
 Received by:
 Date:
 Fax to: ?

11
 Assigned Tracking Number:

12
 Filed by:
 Date:
 Fax to: ?

0200-SD-P2-473.5-475.8-S

KEYSTONE PIPELINE PROJECT - U.S. PHASE IV (STEELE CITY SEGMENT)

0200-SD-P2-473.5-475.8-S

KEYSTONE PIPELINE PROJECT - U.S. PHASE IV (STEELE CITY SEGMENT) ROUTE VARIATION AUTHORIZATION FORM			
Date:	6/16/2011	Tracking Number:	0200-SD-P2-473.5-475.8-S
Description:	Reroute to avoid the drainage features.	MP:	473.5 to 475.8
		Originated By:	Engineering
		Variation Form Attached:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Universal Field - Land	Doug Reichley	Variation:	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Comments:			Date: 6/21/2011
		If Rejected Why?	
TransCanada - Engineering	Meera Kothari	Variation:	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Comments:	By David Guien		Date: 6/21/2011
		If Rejected Why?	
Exp - Engineering	Butch Wallace	Variation:	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Comments:			Date: 6/21/2011
		If Rejected Why?	
TransCanada - Construction	Bobby Curbow	Variation:	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Comments:			Date: 6/21/2011
		If Rejected Why?	
Exp - Environmental	Jonathan Minton	Variation:	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Comments:	Requires additional Environmental Surveys.		Date: 6/21/2011
		If Rejected Why?	
AECOM - Risk Assessment	Heidi Tillquist	Variation:	Approved <input type="checkbox"/> Rejected <input type="checkbox"/>
Comments:	N/A		Date:
		If Rejected Why?	
Exp - Safety	Jason Millenbruch	Variation:	Approved <input type="checkbox"/> Rejected <input type="checkbox"/>
Comments:	N/A		Date:
		If Rejected Why?	
Facilities:	Sandra Gigovic	Variation:	Approved <input type="checkbox"/> Rejected <input type="checkbox"/>
Comments:	N/A. Does not affect Facilities.		Date:
		If Rejected Why?	
TransCanada - Senior PM	Alan Lietz	Variation:	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Comments:			Date: 6/21/2011
		If Rejected Why?	
TransCanada - Manager	Steve Marr	Variation:	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Comments:			Date: 8/31/11
		If Rejected Why?	
Forward to:	Doug Reichley <input checked="" type="checkbox"/>	Jonathan Minton <input checked="" type="checkbox"/>	Alan Lietz <input checked="" type="checkbox"/>
	Meera Kothari <input checked="" type="checkbox"/>	Heidi Tillquist <input checked="" type="checkbox"/>	Steve Marr <input checked="" type="checkbox"/>
	Butch Wallace <input checked="" type="checkbox"/>	Jason Millenbruch <input checked="" type="checkbox"/>	
	Bobby Curbow <input checked="" type="checkbox"/>	Sandra Gigovic <input type="checkbox"/>	

KEYSTONE PIPELINE PROJECT - U.S. PHASE IV (STEELE CITY SEGMENT)

RV-0194-0197, RV-0199-0200, RV-0209, RV-0213-0217, RV-0219-0220, RV-0224, RV-0227-0230

KEYSTONE XL PIPELINE PROJECT - STEELE CITY SEGMENT PIPELINE ROUTE VARIATION FORM	
1	VARIATION TYPE: Refinement: <input type="text"/> Reroute: <input checked="" type="checkbox"/> X Centerline: <input checked="" type="checkbox"/> X Valve Site: <input checked="" type="checkbox"/> X Pump Station: <input type="text"/>
2	LOCATION: Sketch: <input type="text"/> Attached Pictures: <input type="text"/> See attached State: <input type="text"/> Multiple County: <input type="text"/> Multiple Quad Map: <input type="text"/> N/A Township: <input type="text"/> Multiple Range: <input type="text"/> Multiple Aerial Map: <input type="text"/> See attached map sheet Section: <input type="text"/> Multiple Centerline: <input type="text"/> 11/18/2010 MP: <input type="text"/> XXX.X to <input type="text"/> XXX.X
3	REASON FOR ROUTE VARIATION (Please include reason for route variation): The Reason for each Route Variation (RV) is given with the respective RV file. These reroutes are proposed based on aerial/pictometry/Lydar/flyover analysis of current line through Montana, South Dakota, and Nebraska.
	DETAIL ROUTE VARIATION (Please describe route variation in detail): See respective Route Variation Files. No new landowners were affected by the proposed route variations. RVs included: Discussed prior to 6/20/2011: Western Prairie Fringe Orchid Reroute (RV-0194) John Harter Reroute (RV-0195) Buzek Reroute (RV-0197) Discussed during 6/20/2011 Meeting: Reroute away from sidehill (SOM Land) (RV-0209) Discussed during 6/21/2011 Meeting: Reroutes to avoid creek Crossings (RV-0199) MP 475 Reroute (RV-0200) Reroutes to lessen/reduce PIs (RV-0213) Reroutes to avoid waterwell; fence (RV-0214) Reroutes to avoid creeks, dropoffs, wetlands, etc. (RV-0215) Reroutes to avoid sideslopes/hills (RV-0216) Reroutes to avoid pivot centers (RV-0217) Discussed during 8/10/2011 Meeting: HWY 73 Reroute (RV-0196) HWY 56 Reroute (RV-0219) Bad River HDD realignment reroute (RV-0220) MP 396 Reroute (RV-0224) Yellowstone River HDD Entry Pt (RV-0227) PI Breakdowns of all previous RV's for new CL (RV-0228 and RV-0229) CK-MLV-06 and CK-11 Valves relocation (RV-0230)
	ADDITIONAL IMPACTS (Please include any additional impacts which may affect cost; crossings, induction bends, etc.): <div style="border: 1px solid black; height: 40px; width: 100%;"></div>
	Is there an increase/decrease in the number of crossings? Yes <input type="text"/> No <input type="text"/> If yes, please list: <input type="text"/> <input type="text"/>
9	Originator: <input type="text"/> Multiple Date: <input type="text"/> 8/12/2011
10	Received by: _____ Date: <input type="text"/> 8/12/2011 Fax to: ?
11	Assigned Tracking Number: <input type="text"/> RV-0194-0197, RV-0199-0200, RV-0209, RV-0213-0217, RV-0219-0220, RV-0224, RV-0227-0230
12	Filed by: _____ Date: _____ Fax to: ?

RV-0194-0197, RV-0199-0200, RV-0209, RV-0213-0217, RV-0219-0220, RV-0224, RV-0227-0230

KEYSTONE PIPELINE PROJECT - U.S. PHASE IV (STEELE CITY SEGMENT)

KEYSTONE PIPELINE PROJECT - U.S. PHASE IV (STEELE CITY SEGMENT) ROUTE VARIATION AUTHORIZATION FORM			
Date:	8/12/2011	Tracking Number:	RV-0194-0197, RV-0199-0200, RV-0209, RV-0213-0217, RV-0219-0220, RV-0224, RV-0227-0230
Description:	Western Prairie Fringe Orchid Reroute (RV-0194) John Harter Reroute (RV-0195) Buzek Reroute (RV-0197) Reroute away from sidehill (SOM Land) (RV-0209)	MP: XXXX to XXXX	Originated By: Multiple
Universal Field - Land	Doug Reichley	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Variation Form Attached: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Comments:	<i>Pending civil survey</i>	Date: 6/20, 6/21, & 8/10/11	If Rejected Why? <i>By S. King 10/5/11</i>
TransCanada - Engineering	Meera Kothari	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 6/20, 6/21, & 8/10/11
Comments:	and by David Gulen on the 6/20 and 6/21 meetings.	If Rejected Why?	
Exp - Engineering	Butch Wallace	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 6/20, 6/21, & 8/10/11
Comments:		If Rejected Why?	
TransCanada - Construction	Bobby Curbow	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 6/20, 6/21, & 8/10/11
Comments:		If Rejected Why?	
Exp - Environmental	Jonathan Minton	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 6/20, 6/21, & 8/10/11
Comments:		If Rejected Why?	
AECOM - Risk Assessment	Heidi Tillquist	Variation: Approved <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: _____
Comments:	N/A.	If Rejected Why?	
Facilities	Sandra Gigovic	Variation: Approved <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: _____
Comments:	N/A. Does not affect Facilities.	If Rejected Why?	
TransCanada - PM (NE)	Robert Bradley	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 8/10/2011
Comments:		If Rejected Why?	
TransCanada - Senior PM	Alan Lietz	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 6/20, 6/21, & 8/10/11
Comments:	<i>conditional approvals pending appropriate regulatory approvals</i>	If Rejected Why?	
TransCanada - Manager	Steve Marr	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 8/9/11
Comments:		If Rejected Why?	
Forward to:	Doug Reichley <input checked="" type="checkbox"/> Meera Kothari <input checked="" type="checkbox"/> Butch Wallace <input checked="" type="checkbox"/> Bobby Curbow <input checked="" type="checkbox"/>	Jonathan Minton <input checked="" type="checkbox"/> Heidi Tillquist <input checked="" type="checkbox"/> Robert Bradley <input checked="" type="checkbox"/> Sandra Gigovic <input type="checkbox"/>	Alan Lietz <input checked="" type="checkbox"/> Steve Marr <input checked="" type="checkbox"/>

RV-0194-0197, RV-0199-0200, RV-0209, RV-0213-0217, RV-0219-0220, RV-0224, RV-0227-0230

KEYSTONE PIPELINE PROJECT - U.S. PHASE IV (STEELE CITY SEGMENT)

RV-0194, 0195, 0197, RV-0199-0200, RV-0209, RV-0213-0217

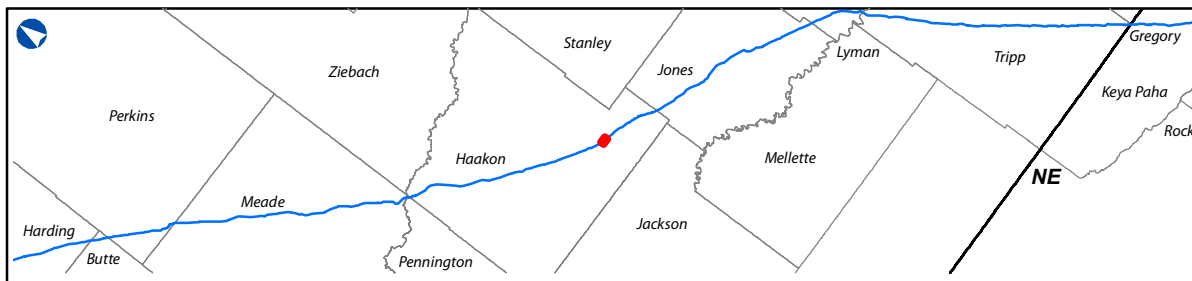
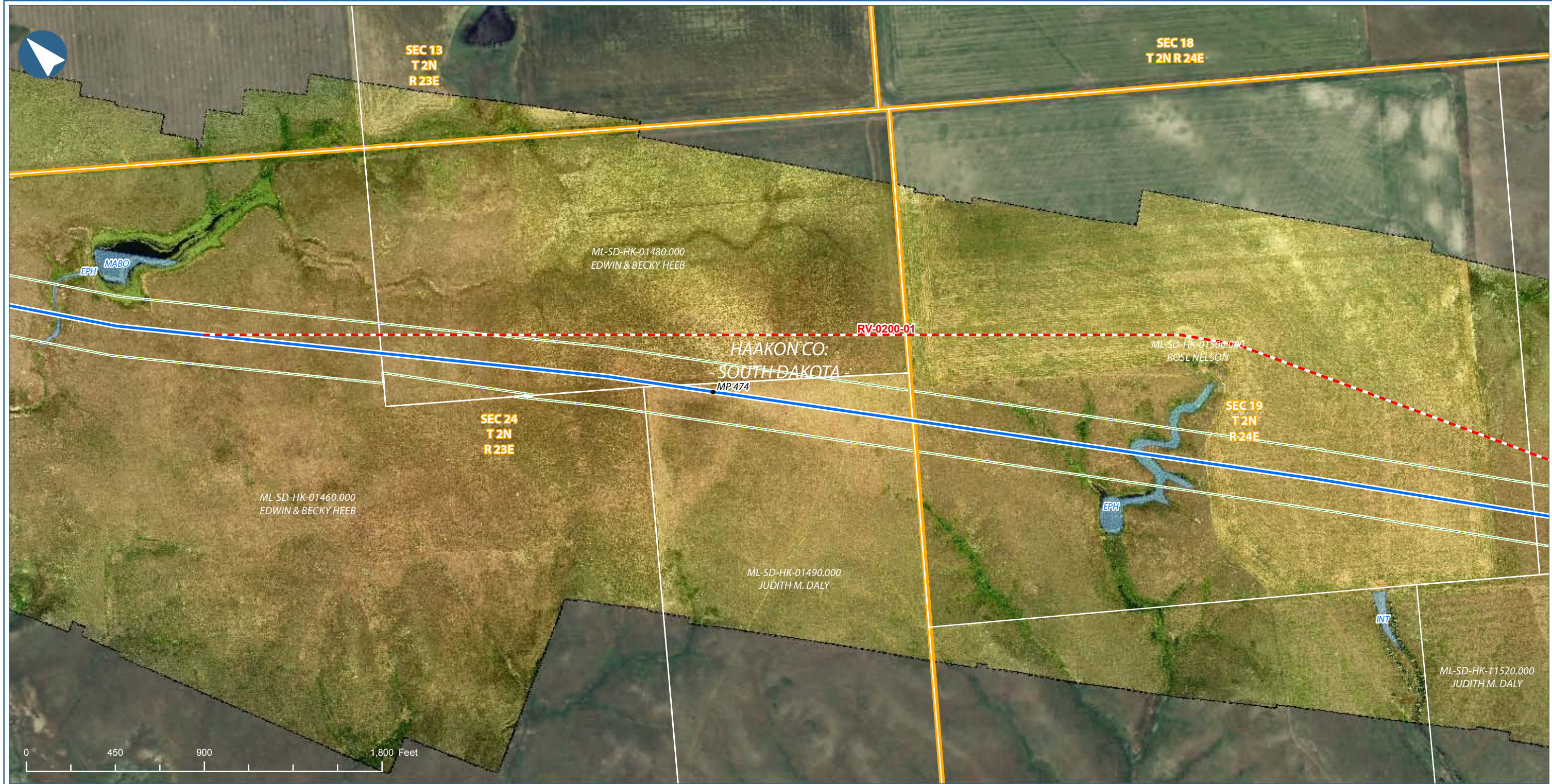
KEYSTONE XL PIPELINE PROJECT - STEELE CITY SEGMENT PIPELINE ROUTE VARIATION FORM	
1	VARIATION TYPE: Refinement: <input type="text"/> Reroute: <input checked="" type="checkbox"/> Centerline: <input checked="" type="checkbox"/> Valve Site: <input checked="" type="checkbox"/> Pump Station: <input type="text"/>
2	LOCATION: Sketch: <input type="text" value="Attached"/> Pictures: <input type="text" value="See attached"/> State: <input type="text" value="Multiple"/> County: <input type="text" value="Multiple"/> Quad Map: <input type="text" value="N/A"/> Township: <input type="text" value="Multiple"/> Range: <input type="text" value="Multiple"/> Aerial Map: <input type="text" value="See attached map sheet"/> Section: <input type="text" value="Multiple"/> Centerline: <input type="text" value="11/18/2010"/> MP: <input type="text" value="XXX.X"/> to <input type="text" value="XXX.X"/>
3	REASON FOR ROUTE VARIATION (Please include reason for route variation): The Reason for each Route Variation (RV) is given with the respective RV file. These reroutes are proposed based on aerial/pictometry/Lydar/flyover analysis of current line through Montana, South Dakota, and Nebraska.
	DETAIL ROUTE VARIATION (Please describe route variation in detail): See respective Route Variation Files. No new landowners were affected by the proposed route variations. RVs included: Discussed prior to 6/20/2011: Western Prairie Fringe Orchld Reroute (RV-0194) John Harter Reroute (RV-0195) Buzek Reroute (RV-0197) Discussed during 6/20/2011 Meeting: Reroute away from sidehill (SOM Land) (RV-0209) Discussed during 6/21/2011 Meeting: Reroutes to avoid creek Crossings (RV-0199) MP 475 Reroute (RV-0200) Reroutes to lessen/reduce PIs (RV-0213) Reroutes to avoid waterwell; fence (RV-0214) Reroutes to avoid creeks, dropoffs, wetlands, etc. (RV-0215) Reroutes to avoid sideslopes/hills (RV-0216) Reroutes to avoid pivot centers (RV-0217)
	ADDITIONAL IMPACTS (Please include any additional impacts which may affect cost; crossings, induction bends, etc.): <div style="border: 1px solid black; height: 40px; width: 100%;"></div>
	Is there an Increase/decrease in the number of crossings? Yes <input type="text"/> No <input type="text"/> If yes, please list: <input type="text"/>
9	Originator: <input type="text" value="Multiple"/> Date: <input type="text" value="8/12/2011"/>
10	Received by: <input type="text"/> Date: <input type="text" value="8/12/2011"/> Fax to: ? <input type="text"/>
11	Assigned Tracking Number: <input type="text" value="RV-0194, 0195, 0197, RV-0199-0200, RV-0209, RV-0213-0217"/>
12	Filed by: <input type="text"/> Date: <input type="text"/> Fax to: ? <input type="text"/>

RV-0194, 0195, 0197, RV-0199-0200, RV-0209, RV-0213-0217

KEYSTONE PIPELINE PROJECT - U.S. PHASE IV (STEELE CITY SEGMENT)

KEYSTONE PIPELINE PROJECT - U.S. PHASE IV (STEELE CITY SEGMENT) ROUTE VARIATION AUTHORIZATION FORM		
Date: 8/12/2011	Tracking Number: RV-0194, 0195, 0197, RV-0199-0200, RV-0209, RV-0213-0217	MP: XXX.X to XXX.X
Description: Western Prairie Fringe Orchid Reroute (RV-0194); John Harter Reroute (RV-0195); Buzek Reroute (RV-0197); Reroute away from sidehill (SOM Land) (RV-0209); Reroutes to avoid creek crossings (RV-0199); MP 475 Reroute (RV-0200); Reroutes to lessen/produce PIs (RV-0213); Reroutes to avoid waterwell, fence (RV-0214);	Originated By: Multiple	Variation Form Attached: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Universal Field - Land Doug Reichley	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 6/20, 6/21, & 8/10/11
Comments: <i>Pending Survey</i>	If Rejected Why? <i>By G. Fij 10/5/11</i>	
TransCanada - Engineering Meera Kothari	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 6/20, 6/21, & 8/10/11
Comments: and by David Gulen on the 6/20 and 6/21 meetings. <i>for meera Kothari.</i>	If Rejected Why?	
Exp - Engineering Butch Wallace	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 6/20, 6/21, & 8/10/11
Comments:	If Rejected Why?	
TransCanada - Construction Bobby Curbow	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 6/20, 6/21, & 8/10/11
Comments:	If Rejected Why?	
Exp - Environmental Jonathan Minton	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 6/20, 6/21, & 8/10/11
Comments: <i>Pending Survey Completion</i>	If Rejected Why?	
TransCanada - Environmental Stephen Craycroft	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 6/20, 6/21, & 8/10/11
Comments:	If Rejected Why?	
Facilities: Sandra Gigovic	Variation: Approved <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date:
Comments: N/A. Does not affect Facilities.	If Rejected Why?	
AECOM - Risk Assessment Heidi Tillquist	Variation: Approved <input type="checkbox"/> Rejected <input type="checkbox"/>	Date:
Comments: N/A	If Rejected Why?	
TransCanada - Senior PM Alan Lietz	Variation: Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>	Date: 6/20, 6/21, & 8/10/11
Comments: <i>Conditional approval pending approval of regulatory agencies</i>	If Rejected Why?	
TransCanada - Manager Steve Marr	Variation: Approved <input type="checkbox"/> Rejected <input type="checkbox"/>	Date:
Comments:	If Rejected Why?	
Forward to:	Doug Reichley <input checked="" type="checkbox"/> Meera Kothari <input checked="" type="checkbox"/> Butch Wallace <input checked="" type="checkbox"/> Bobby Curbow <input checked="" type="checkbox"/> Jonathan Minton <input checked="" type="checkbox"/> Stephen Craycroft <input checked="" type="checkbox"/> Heidi Tillquist <input checked="" type="checkbox"/> Sandra Gigovic <input type="checkbox"/> Alan Lietz <input checked="" type="checkbox"/> Steve Marr <input checked="" type="checkbox"/>	

RV-0194, 0195, 0197, RV-0199-0200, RV-0209, RV-0213-0217



LEGEND

●	MILEPOST		300 FT CORRIDOR
	PHASE IV CL (2010-11-18)		PROPERTY PARCEL
	PROPOSED ROUTE VARIATION		CULTURAL SITE
	SECTION LINE		WETLAND
	ACCESS ROAD		WATERBODY
	PUMP STATION		HORIZONTAL DIRECTIONAL DRILL
	VALVE SITE		

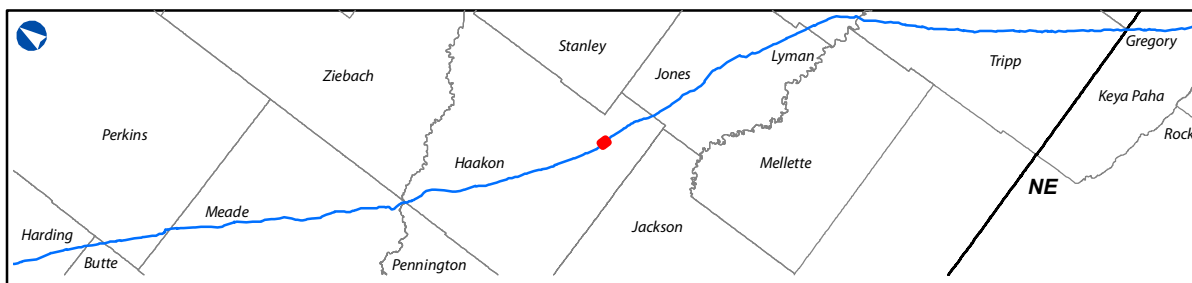
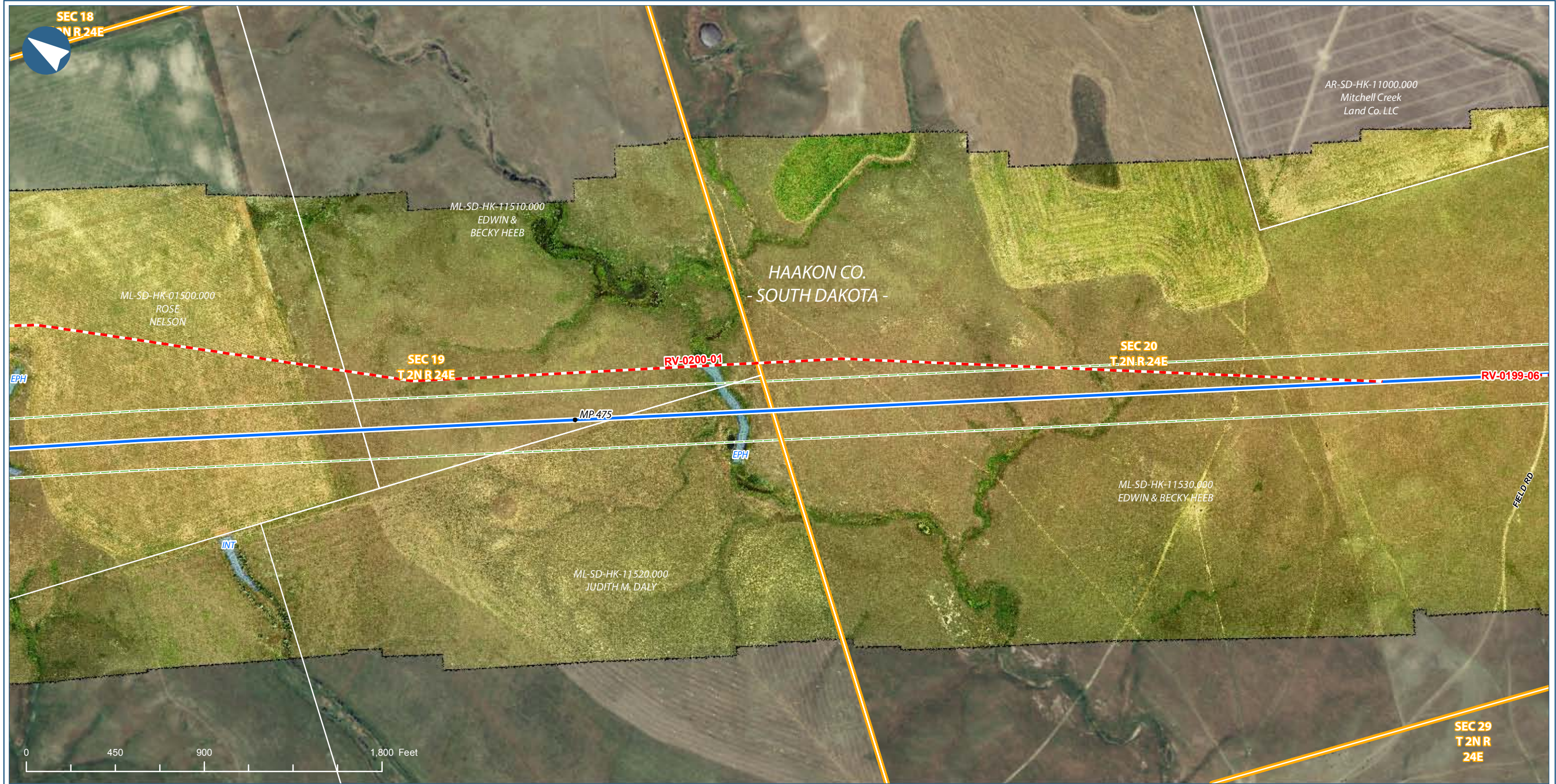
Keystone Phase IV, US
Proposed Route Variation 0200-01

COUNTY:	HAAKON	DRAWN BY:	PD
STATE:	SD	CHECKED BY:	JP
SHEET:	1 OF 2	APPROVED BY:	RG
RV FULL:	0200-SD-P2-473.5-475.8-S		
REVISION			DATE
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-P-9178
DATE:	2011-06-27	REV. NO.:	0

PREPARED BY:
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Tallahassee, FL 32308
U.S.A.
www.exp.com

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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



Keystone Phase IV, US

LEGEND

- MILEPOST
- PHASE IV CL (2010-11-18)
- - - PROPOSED ROUTE VARIATION
- ▭ SECTION LINE
- ACCESS ROAD
- ⊙ PUMP STATION
- ⊗ VALVE SITE
- ▭ 300 FT CORRIDOR
- ▭ PROPERTY PARCEL
- ▭ CULTURAL SITE
- ▨ WETLAND
- ▨ WATERBODY
- ⊙ HORIZONTAL DIRECTIONAL DRILL

Keystone Phase IV, US

Proposed Route Variation 0200-01

COUNTY:	HAAKON	DRAWN BY:	PD
STATE:	SD	CHECKED BY:	JP
SHEET:	2 OF 2	APPROVED BY:	RG
RV FULL:	0200-SD-P2-473.5-475.8-S		
REVISION	DATE		
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-P-9178
DATE:	2011-06-27	REV. NO.:	0

PREPARED BY:

exp Energy Services Inc.

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1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.

www.exp.com



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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •