KEYSTONE XL PIPELINE PROJECT

Centerline: X Pump Station: Value .OCATION: Sketch: Image: Sketch:	Footprint: X alve Site: X Pictures: See attached	Design:
LOCATION: Sketch: Qu State: SD County: Tripp Qu Township: 96N Range: 75W Ae		
State: SD County: Tripp Qu Township: 96N Range: 75W Ae	Pictures: See attached	CAR: X
State: SD County: Tripp Qu Township: 96N Range: 75W Ae	Pictures. See attached	
Township: 96N Range: 75W Ae	Ind Map: N/A	_
	iad Map: <u>N/A</u> rial Map: <u>See attached m</u>	nan sheet
	MP: 586.23	to 586.64
	Wii :	10 500.04
REASON FOR ROUTE VARIATION (Please include reason for route variation):		
The primary reason for this reroute is to avoid a well (temporary workspaces impact well). Furthermore surrounding a historical site. This proposed route variation will impact the current location of MLV-23A at 293rd. Street to ML-SD-TR-11650.000 (Chandlor E. Shippy) tract.		
The reroute has been proposed based on the field reconnaissance efforts and has been civil surveyed.		
DETAIL ROUTE VARIATION (Please describe route variation in detail): Route variation starts near MP 586.2 and deviates ~7° in the southeast direction. It extends for ~2,104 f		
	ion bends, etc.):	
ADDITIONAL IMPACTS (Please include any additional impacts which may affect cost; crossings, induct No New Landowners are impacted by this route variation. Three tracts are impacted by reroute: //L-SD-TR-11620.000 (David & Sherry Rohde) //L-SD-TR-11630.000 (Judell A Weidner and Lee O. Trustees) //L-SD-TR-11650.000 (Chandlor E. Shippy)	ion bends, etc.):	
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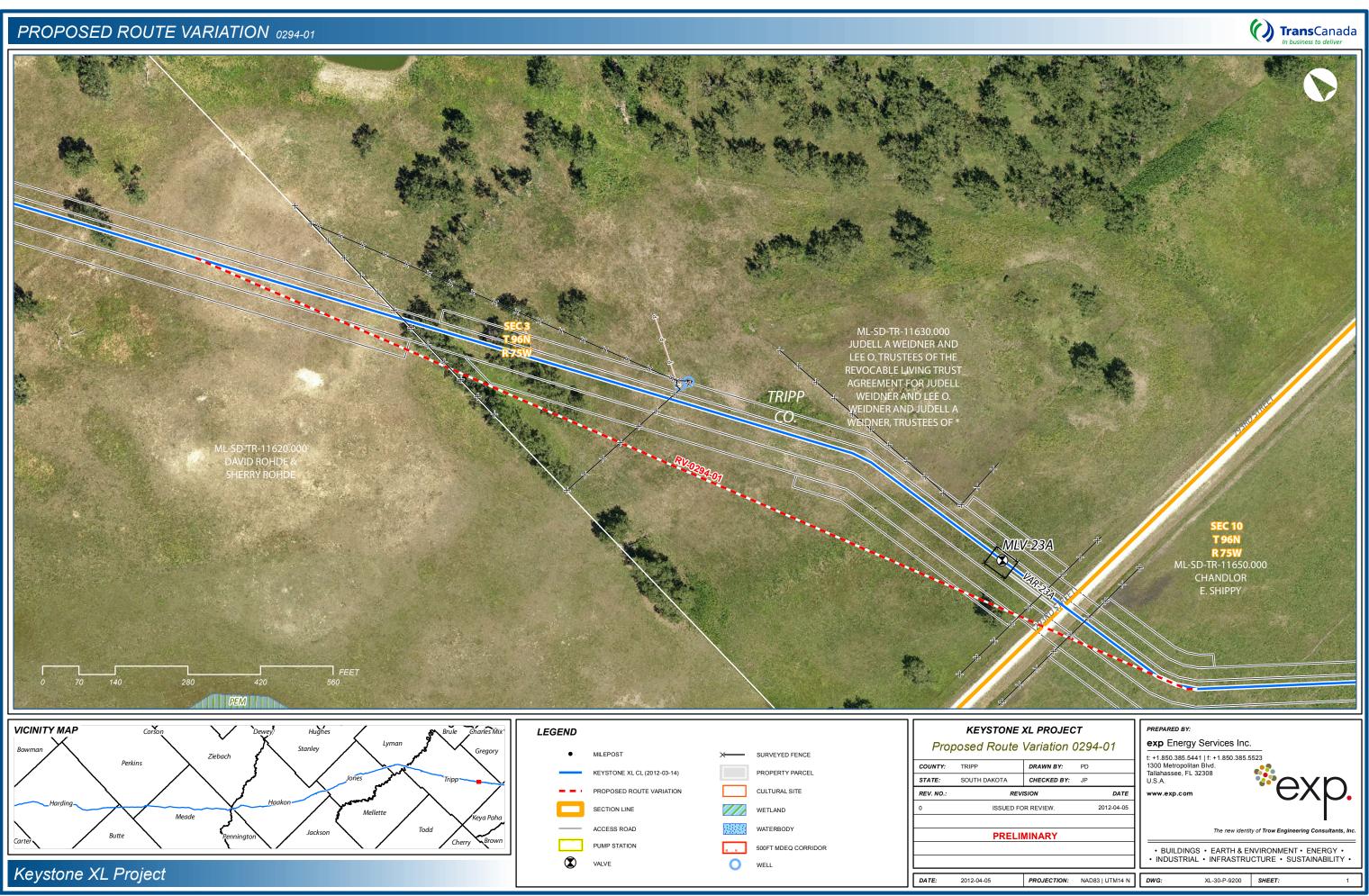
KEYSTONE XL PIPELINE PROJECT

4 LAND / TransCanada	Tina Hall		
a) Is a new landowner affected by the proposed variation?	Yes	2	No X
b) is the affected landowner/tract a possible condemnation?	Yes		No No
c) Does proposed route variation impact Tribal Lands?	Yes		No X
d) Does proposed route variation impact any Federal/State L			No X
-If yes, name type (i.e. USFWS, BLM, etc.):		×	
	Yes	n Y	No
e) Is proposed realignment outside the easement/workspace?			No
f) Is realignment proposed to satisfy landowner request?	Yes	s	No <u>X</u>
-If yes, name of landowner(s)/track number(s)			
g) Has all the evaluation criteria been examined/provided for this	specific discipline? Yes	s	No
If no, please explain why:			
5 ENGINEERING/CONSTRUCTION - TransCanada	Meera Kothari		
a) Maximum deviation perpendicular to proposed alignment:		162 ft.	
	t MDEO Corridor?		No
b) Does variation (CL) (including workspaces) falls within 50			
c) Has the centerline been staked for construction?	Yes		No X
d) Does route variation affect HDD crossing alignment?	Yes		No <u>X</u>
e) Is realignment proposed for engineering/construction reasons?			No
f) Will the route variation require the relocation of a pump station?	Yes	s	No X
g) Has all the evaluation criteria been examined/provided for this	specific discipline? Yes	s	No
If no, please explain why:			
6 ENVIRONMENTAL / exp	Jonathan Minton		
a) Has the corridor been environmentally surveyed?	Yes	s X	No
b) Has the proposed variation been environmentally surveyed?	Yes		No X
c) Does proposed route variation impact Sage Grouse areas			No X
d) Does route variation impact ABB areas?	Yes		No <u>X</u>
e) Was variation proposed to satisfy environmental issues?	Yes		No <u>X</u>
f) Was realignment proposed to satisfy agency request?	Yes	s	No <u>X</u>
-If yes, name of agency(s):			
g) Environmental features:			
	Subtracted ()		
Added (+):	Subtracted (-)):	
	Subtracted (-)	:	
	Subtracted (-)	2	
Added (+):		2	
Added (+):	s:		
Added (+):	s:		No
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Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this	s:		No
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0294-SD-P4-586.2-586.6-I

KEYSTONE XL PIPELINE PROJECT

Date: 4/5/2012 Description: The primary reason for this reroute is to avoid a well	Tracking Number: 0294-SD-P4-586.2-586.6-1 MP: 586.2 to 586.6
(temporary workspaces impact well). This proposed route variation will impact the current location of MLV-23A and	Originated By: Engineering
VAR-23A.	Variation Form Attached: Yes X No
Tina Hall	Variation: Approved Rejected
Comments:	June Date: 4-16-12
	If Rejected
	Why?
TransCanada- Engineering Meera Kothari	Variation: Approved Rejected
Comments:	Date: 4-08-12
	If Rejected Why?
	why
Exp - Engineering Butch Wallace	Variation: Approved Rejected
Comments:	V11100000 Date: 4-17-2012
	If Rejected
	Why?
Exp - Environmental Jonathan Minton	Variation: Approved Rejected
Comments: Tending Survey	Date: 0 1 17
lending suite 1	If Rejected Why?
Stantec - Risk Assesment Heidi Tillquist	Variation: Approved Rejected
Stantec - Risk Assesment Heidi Tillquist Comments:	Date:
Sommerid.	If Rejected
	Why?
Facilities - TransCanada Sandra Gigovic	Variation: Approved Rejected
Comments:	Date:
commente.	
	If Rejected
	Why?
TransCanada - PM (Montana) Alan Lietz	Variation: Approved Rejected
Comments:	Date:
	If Rejected
	Why?
TransCanada - PM (South Dakota) James Odom	Variation: Approved Rejected
Comments:	Date:
	If Rejected
	Why?
TransCanada - PM (Nebraska) Robert Bradley	Variation: Approved Rejected
Comments:	Date:
Conners.	If Rejected
	Why?
TransCanada - Keystone XL Manager Steve Marr	Variation: Approved Rejected
	Date:
Comments:	
	If Rejected Why?
the second se	
Forward to: Tina Hall Jonatha Meera Kothari Heidi Til	n Minton James Odom Iguist Robert Bradley



RV-0294-01 - Looking Southeast at minute 01:33.393 03/14/2012 CL - Blue line Reroute - Red line

and a state of the set



RV-0294-01 - Looking Southeast at minute 01:44.871 03/14/2012 CL - Blue line **Reroute - Red line**

name and a series



RV-0294-01 - Looking Northwest at minute 06:51.844 03/14/2012 CL - Blue line Reroute - Red line

