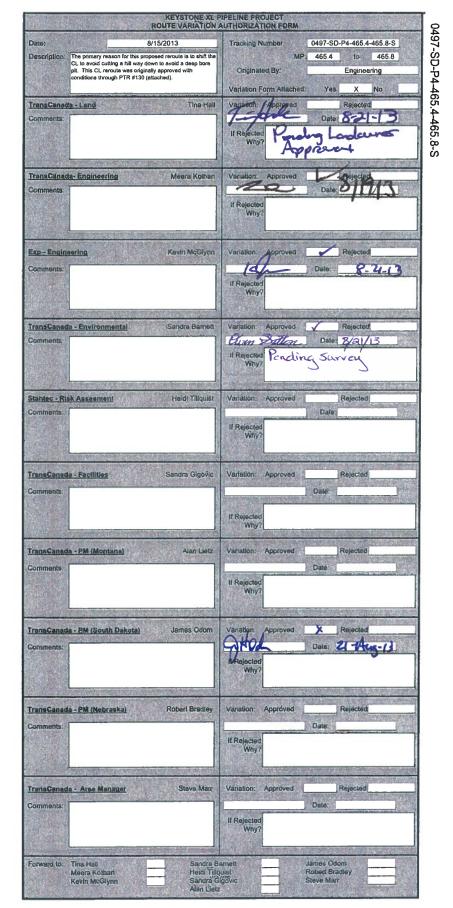
			XL PIPELINE PROJE			
ARIATION TYPE:	Refinement:	Reroute:	X	Footprint		Design:
	Centerline: X	Pump Station:		Valve Site:		CAR:
		i unp otation.	·	valve olie.		
OCATION:	Sketch:	Atta	ached	Pictures	N/A	
State:	SD Cou	inty: Haakon		Quad Map:	N/A	
Township:	003N Rai	nge: 022E]	Aerial Map	See attached ma	p sheet
Section:	021, 028, 027	Centerline:	6/11/2013	MP	465.41	to <u>465.78</u>
REASON FOR ROU	TE VARIATION (Please	include reason for route	e variation):			
approved with conditi	or this proposed reroute ons through PTR #130 (n proposed by Engineerii	attached).				CL reroute was originally civil survey).
	RIATION (Please describ	a route veriation in date	-11).			
	•		,	s straight south	east for ~1.875 ft.	, rejoining the current CL
	reroute essentially straig			o ou aigint oo aa		
ML-SD-HK-01170.00 ML-SD-HK-01190.00						
This RV has been civ	CTS (Please include any ril surveyed, but a section /.					additional requiring
This RV has been civ environmental survey	il surveyed, but a section	n of the new reroute is c		ts of environme	ntal survey, thus	
This RV has been civ environmental survey Is there an increase/c	il surveyed, but a section	n of the new reroute is c			ntal survey, thus	additional requiring
This RV has been civ environmental survey Is there an increase/c	il surveyed, but a section	n of the new reroute is c		ts of environme	ntal survey, thus	
This RV has been civ environmental survey s there an increase/c f yes, please list:	il surveyed, but a section	n of the new reroute is o		ts of environme	ntal survey, thus	
This RV has been civ environmental survey Is there an increase/o If yes, please list:	il surveyed, but a section /. decrease in the number of posts incurred or saved fro	n of the new reroute is o	outside the current limi	ts of environme	ntal survey, thus	NoX
This RV has been civ environmental survey Is there an increase/o If yes, please list: COST ANALYSIS (co Additional length of ro	il surveyed, but a section /. decrease in the number of posts incurred or saved fro pute realignment:	n of the new reroute is o	outside the current limi	ts of environme	ntal survey, thus	NoX
This RV has been civen vironmental survey environmental survey Is there an increase/of If yes, please list:	il surveyed, but a section /. decrease in the number of posts incurred or saved fro pute realignment: ide-hill construction:	n of the new reroute is o	70 f 0 f	ts of environme Yes	ntal survey, thus	No X
This RV has been civ environmental survey Is there an increase/o If yes, please list: COST ANALYSIS (co Additional length of ro Additional length of si Additional length of w	il surveyed, but a section /. decrease in the number of posts incurred or saved fro pute realignment: ide-hill construction: retland construction:	n of the new reroute is o	-70 f 0 f 0 f	ts of environme Yes t. t. t.	 survey, thus (25,305.89) - - - 	No X \$ 360/ft \$ 19/ft \$ 195/ft
This RV has been civ environmental survey Is there an increase/of ff yes, please list:	ill surveyed, but a section /. decrease in the number of pots incurred or saved fro pute realignment: ide-hill construction: retland construction: n (Road, RR):	n of the new reroute is o	-70 f 0 f 0 f 0 f	ts of environme Yes t. t. t. t. t.	\$ (25,305.89) \$ - \$ - \$ -	No X \$ 360/ft \$ 19/ft \$ 195/ft \$ 540/ft
This RV has been civ environmental survey Is there an increase/o If yes, please list: COST ANALYSIS (cr Additional length of ro Additional length of si Additional length of w Additional length of w	ill surveyed, but a section /. decrease in the number of pots incurred or saved fro pute realignment: ide-hill construction: retland construction: n (Road, RR):	n of the new reroute is o of crossings? om the route variation)	-70 f 0 f 0 f 0 f	ts of environme Yes t. t. t.	\$ (25,305.89) \$ - \$ - \$ - \$ -	No X \$ 360/ft \$ 19/ft \$ 195/ft
This RV has been civ environmental survey Is there an increase/o If yes, please list: COST ANALYSIS (cr Additional length of ro Additional length of si Additional length of w Additional length of w	il surveyed, but a section /. decrease in the number of posts incurred or saved fro pute realignment: ide-hill construction: retland construction: h (Road, RR): //pipeline crossings:	n of the new reroute is o of crossings? om the route variation)	-70 f 0 f 0 f 0 f 0 f 0 f	ts of environme Yes t. t. t. t. t. t.	\$ (25,305.89) \$ - \$ - \$ - \$ - \$ -	No X \$ 360/ft \$ 19/ft \$ 195/ft \$ 540/ft \$ 30,000/EA
This RV has been civen vironmental survey environmental survey is there an increase/of fyes, please list:	il surveyed, but a section /. decrease in the number of posts incurred or saved fro pute realignment: ide-hill construction: retland construction: h (Road, RR): //pipeline crossings:	n of the new reroute is o of crossings? om the route variation) ds, etc.): 35 - 65' +	-70 f -70 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f	Yes t. t. t. t. t. t. t. t. t. t. t. t.	\$ (25,305.89) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	No X \$ 360/ft \$ 19/ft \$ 195/ft \$ 540/ft \$ 30,000/EA \$ 185,000/EA
This RV has been civ environmental survey Is there an increase/o If yes, please list: COST ANALYSIS (cr Additional length of ro Additional length of si Additional length of w Additional length of w	il surveyed, but a section /. decrease in the number of posts incurred or saved fro pute realignment: ide-hill construction: retland construction: h (Road, RR): //pipeline crossings:	of crossings? of crossings? om the route variation) ds, etc.): 35 - 65' + 10' - 19'	70 f 70 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f	Yes t. t. t. t. t. t. t. t. t. t. t. t. t.	\$ (25,305.89) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	No X \$ 360/ft \$ 19/ft \$ 195/ft \$ 540/ft \$ 30,000/EA \$ 185,000/EA \$ 77,250/EA
This RV has been civen vironmental survey environmental survey environme	ill surveyed, but a section decrease in the number of bots incurred or saved fro- bote realignment: ide-hill construction: retland construction: n (Road, RR): //pipeline crossings: v crossing (streams, pone	n of the new reroute is o of crossings? om the route variation) ds, etc.): 35 - 65' +	70 f 70 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f	Yes t. t. t. t. t. t. t. t. t. t. t. t.	\$ (25,305.89) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	No X \$ 360/ft \$ 19/ft \$ 195/ft \$ 540/ft \$ 30,000/EA \$ 185,000/EA
This RV has been civen vironmental survey environmental survey environmental survey is there an increase/or environmental survey of the survey	il surveyed, but a section decrease in the number of bots incurred or saved fro pute realignment: ide-hill construction: retland construction: h (Road, RR): //pipeline crossings: / crossing (streams, pono uired:	of crossings? of crossings? om the route variation) ds, etc.): 35 - 65' + 10' - 19' Less than 10'	-70 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f	Yes t. t. t. t. t. t. t. t. t. t. t. t. t.		No X \$ 360/ft \$ 19/ft \$ 195/ft \$ 540/ft \$ 30,000/EA \$ 185,000/EA \$ 185,000/EA \$ 32,500/EA
This RV has been civ environmental survey Is there an increase/o If yes, please list: COST ANALYSIS (cr Additional length of ro Additional length of si Additional length of w Additional length of w	il surveyed, but a section decrease in the number of bots incurred or saved fro pute realignment: ide-hill construction: retland construction: h (Road, RR): pippeline crossings: v crossing (streams, pono uired:	of crossings? of crossings? om the route variation) ds, etc.): 35 - 65' + 10' - 19' Less than 10' Civil:	-70 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f	Yes Yes t. t. t. t. t. t. t. t. t. t. t. t. t.	\$ (25,305.89) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	No X \$ 360/ft \$ 19/ft \$ 195/ft \$ 540/ft \$ 30,000/EA \$ 185,000/EA \$ 185,000/EA \$ 32,500/EA \$ 32,500/EA \$ 5,000/mile
This RV has been civen vironmental survey environmental survey environme	il surveyed, but a section decrease in the number of bats incurred or saved fro pute realignment: ide-hill construction: retland construction: n (Road, RR): /pipeline crossings: r crossing (streams, pono uired: Cult	of the new reroute is of of crossings? om the route variation) ds, etc.): 35 - 65' + 10' - 19' Less than 10' Civil: ural:	-70 f 0 f	Yes t. t. t. t. t. t. t. t. t. t. t. t. t.	 (25,305.89) - <l< td=""><td>No X \$ 360/ft \$ 19/ft \$ 195/ft \$ 540/ft \$ 30,000/EA \$ 185,000/EA \$ 185,000/EA \$ 77,250/EA \$ 32,500/EA \$ 5,000/mile \$ 2,500/mile</td></l<>	No X \$ 360/ft \$ 19/ft \$ 195/ft \$ 540/ft \$ 30,000/EA \$ 185,000/EA \$ 185,000/EA \$ 77,250/EA \$ 32,500/EA \$ 5,000/mile \$ 2,500/mile
This RV has been civen vironmental survey environmental survey environmental survey is there an increase/or environmental survey of the survey	il surveyed, but a section decrease in the number of bots incurred or saved fro pute realignment: ide-hill construction: retland construction: h (Road, RR): pippeline crossings: v crossing (streams, pono uired:	of the new reroute is of of crossings? om the route variation) ds, etc.): 35 - 65' + 10' - 19' Less than 10' Civil: ural:	-70 f 0 f	Yes Yes t. t. t. t. t. t. t. t. t. t. t. t. t.	\$ (25,305.89) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	No X \$ 360/ft \$ 19/ft \$ 195/ft \$ 540/ft \$ 30,000/EA \$ 185,000/EA \$ 185,000/EA \$ 32,500/EA \$ 32,500/EA \$ 5,000/mile
This RV has been civen vironmental survey environmental survey requires and survey requires environmental survey requires environmental survey environmental survey requires environmental survey environmental survey requires environmental survey environmental survey environmental survey environmental survey requires environmental survey environ	il surveyed, but a section decrease in the number of bats incurred or saved fro pute realignment: ide-hill construction: retland construction: n (Road, RR): /pipeline crossings: r crossing (streams, pono uired: Cult	of crossings? of crossings? om the route variation) ds, etc.): 35 - 65' + 10' - 19' Less than 10' Civil: ural: ical: oute variation from ADD	-70 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0 f 0.19 f	Yes Yes t. t. t. t. t. t. t. t. t. t. t. t. t.	 ntal survey, thus a \$ (25,305.89) \$ - \$ -	No X \$ 360/ft \$ 19/ft \$ 195/ft \$ 540/ft \$ 30,000/EA \$ 185,000/EA \$ 185,000/EA \$ 77,250/EA \$ 32,500/EA \$ 5,000/mile \$ 2,500/mile

4 LAND / TransCanada	Tina Hall		
a) Is a new landowner affected by the proposed variation?	Yes		No X
b) Is the affected landowner/tract a possible condemnation?	Yes		No X
c) Does proposed route variation impact Tribal Lands?	Yes		No X
d) Does proposed route variation impact any Federal/State Land			No X
-If yes, name type (i.e. USFWS, BLM, etc.):	101		
		×	No
e) Is proposed realignment outside the easement/workspace?	Yes		No
f) Is realignment proposed to satisfy landowner request?	Yes		No <u>X</u>
-If yes, name of landowner(s)/track number(s):			
g) Has all the evaluation criteria been examined/provided for this sp	ecific discipline? Yes	X	No
If no, please explain why:			
5 ENGINEERING/CONSTRUCTION - TransCanada	Meera Kothari		
a) Maximum deviation perpendicular to proposed alignment:		194	
b) Does variation (CL) (including workspaces) falls within 500 ft	. MDEQ Corridor? Yes	N/A	No N/A
c) Has the centerline been staked for construction?	Yes		No <u>X</u>
d) Does route variation affect HDD crossing alignment?	Yes		No <u>X</u>
e) Is realignment proposed for engineering/construction reasons?	Yes	X	No
f) Will the route variation require the relocation of a pump station?	Yes		No X
g) Has all the evaluation criteria been examined/provided for this sp	ecific discipline? Yes	X	No
If no, please explain why:			
6 ENVIRONMENTAL / TransCanada	Sandra Barnett		
a) Has the corridor been environmentally surveyed?	Yes	X	No
b) Has the proposed variation been environmentally surveyed?	Yes		No X
c) Does proposed route variation impact Sage Grouse areas?	Yes		No X
d) Does route variation impact ABB areas?	Yes		No X
e) Was variation proposed to satisfy environmental issues?	Yes		No X
f) Was realignment proposed to satisfy agency request?	Yes		No X
-If yes, name of agency(s):		,	
-If yes, name of agency(s): g) Environmental features:			
	Subtracted (-)		
g) Environmental features:	Subtracted (-)		
g) Environmental features:	Subtracted (-)		
g) Environmental features:			
g) Environmental features: Added (+):			
g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands			
g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp			
g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp			 No
g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp			 No
g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why:	ecific discipline? Yes	X	No X
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 7 ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) 	ecific discipline? Yes		
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 7 ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? 	scific discipline? Yes	x	 NoX
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 7 ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? 	secific discipline? Yes Sandra Gigovic Yes Yes Yes		No X No X
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: ⁷ ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp 	secific discipline? Yes Sandra Gigovic Yes Yes Yes		No X No X No X
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 7 ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? 	secific discipline? Yes Sandra Gigovic Yes Yes Yes		No X No X No X
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: ⁷ ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp 	secific discipline? Yes Sandra Gigovic Yes Yes Yes		No X No X No X
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 7 ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 8 STAKEHOLDER RELATIONS / TCPL_(if applicable)	E cific discipline? Yes Sandra Gigovic Yes		No X No X No X No X
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 7 FNGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 8 STAKEHOLDER RELATIONS / TCPL (if applicable) a) Does the variation result in any new stakeholders? 	E E E E E E E E E E E E E E E E E E E		No X No X No X No X No X
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 7 FNGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 8 STAKEHOLDER RELATIONS / TCPL (if applicable) a) Does the variation require follow-up with specific stakeholder groups for the spec	scific discipline? Yes Sandra Gigovic Yes Yes Yes Secific discipline? Yes Bud Andersen Yes Ups? Yes		No X No X No X No X No X No X
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 7 7 ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 8 STAKEHOLDER RELATIONS / TCPL (if applicable) a) Does the variation require follow-up with specific stakeholder group of the variation proposed to satisfy stakeholder request? 	Ecific discipline? Yes Sandra Gigovic Yes Yes Yes Bud Andersen Yes		No X No X No X No X No X
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: ⁷ ENGINEERING / FACILITIES AND HYDRAULICS (<i>if applicable</i>) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: ⁸ STAKEHOLDER RELATIONS / TCPL (<i>if applicable</i>) a) Does the variation require follow-up with specific stakeholder group of the variation proposed to satisfy stakeholder request? -If yes, please specify issue type (as it aligns to stakeholder database 	secific discipline? Yes Sandra Gigovic Sandra Gigovic Yes Yes Yes Yes Bud Andersen Yes ips? Yes		No X No X No X No X No X No X No X No X
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 7 ENGINEERING / FACILITIES AND HYDRAULICS (<i>if applicable</i>) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 8 STAKEHOLDER RELATIONS / TCPL (<i>if applicable</i>) a) Does the variation require follow-up with specific stakeholder group c) Was the variation proposed to satisfy stakeholder request? -If yes, please specify issue type (as it aligns to stakeholder database d) Has all the evaluation criteria been examined/provided for this sp 	secific discipline? Yes Sandra Gigovic Sandra Gigovic Yes Yes Yes Yes Bud Andersen Yes ips? Yes		No X No X No X No X No X No X
g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: If Base explain why: If Added (+): If no, please explain why: If If no, please explain why: If If no, please explain why: If Base explain why: If no, please explain why: If no, please explain why: If no, please explain why: Base explain why: If no, please specify issue type (as it aligns to stakeholder group of the variation proposed to satisfy stakeholder request? If yes, please specify issue type (as it aligns to stakeholder database d) Has all the evaluation criteria been examined/provided for this sp if no, please explain why:	secific discipline? Yes Sandra Gigovic Sandra Gigovic Yes Yes Yes Yes Bud Andersen Yes ips? Yes		No X No X No X No X No X No X No X No X
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: ⁷ ENGINEERING / FACILITIES AND HYDRAULICS (<i>if applicable</i>) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: ⁸ STAKEHOLDER RELATIONS / TCPL (<i>if applicable</i>) a) Does the variation require follow-up with specific stakeholder group of the variation proposed to satisfy stakeholder request? -If yes, please specify issue type (as it aligns to stakeholder database d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 	secific discipline? Yes Sandra Gigovic Sandra Gigovic Yes Yes Yes Yes Bud Andersen Yes ips? Yes	X	No X No X No X No X No X No X No X No X
g) Environmental features: Added (+): Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why:	secific discipline? Yes Sandra Gigovic Sandra Gigovic Yes Yes Yes Yes Bud Andersen Yes ips? Yes	X X X X X X 10 Received by:	No X No X No X No X No X No X No X No X
 g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: ⁷ ENGINEERING / FACILITIES AND HYDRAULICS (<i>if applicable</i>) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: ⁸ STAKEHOLDER RELATIONS / TCPL (<i>if applicable</i>) a) Does the variation require follow-up with specific stakeholder group of the variation proposed to satisfy stakeholder request? -If yes, please specify issue type (as it aligns to stakeholder database d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 	secific discipline? Yes Sandra Gigovic Sandra Gigovic Yes Yes Yes Yes Bud Andersen Yes ips? Yes	X X X X X X 10 Received by: Date:	No X No X No X No X No X No X No X No X
g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: If no, please explain why: g) Environmental features: r ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 8 STAKEHOLDER RELATIONS / TCPL. (if applicable) a) Does the variation require follow-up with specific stakeholder group on the variation proposed to satisfy stakeholder request? b) Does the variation proposed to satisfy stakeholder request? -If yes, please specify issue type (as it aligns to stakeholder database d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 9 Originator: Engineering Date: 8/15/2013	secific discipline? Yes Sandra Gigovic Sandra Gigovic Yes Yes Yes Yes Bud Andersen Yes ips? Yes	X X X X X X 10 Received by: Date:	No X No X No X No X No X No X No X No X
g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 7 ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 8 STAKEHOLDER RELATIONS / TCPL_(if applicable) a) Does the variation require follow-up with specific stakeholder group of the variation proposed to satisfy stakeholder request? -If yes, please specify issue type (as it aligns to stakeholder database d) Has all the evaluation criteria been examined/provided for this sp ff no, please explain why: 9 Originator: Engineering Date: 8/15/2013	secific discipline? Yes Sandra Gigovic Sandra Gigovic Yes Yes Yes Yes Bud Andersen Yes ips? Yes	X X X X X 10 Received by: Date: 12	No X No X No X No X No X No X No X No X
g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: If no, please explain why: g) Environmental features: r ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 8 STAKEHOLDER RELATIONS / TCPL. (if applicable) a) Does the variation require follow-up with specific stakeholder group on the variation proposed to satisfy stakeholder request? b) Does the variation proposed to satisfy stakeholder request? -If yes, please specify issue type (as it aligns to stakeholder database d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 9 Originator: Engineering Date: 8/15/2013	secific discipline? Yes Sandra Gigovic Sandra Gigovic Yes Yes Yes Yes Bud Andersen Yes ips? Yes	X X X X X X 10 Received by: Date:	No X No X No X No X No X No X No X No X
g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 7 ENGINEERING / FACILITIES AND HYDRAULICS (if applicable) a) Will the route variation require the relocation of a pump station? b) Will route variation impact hydraulics? c) Are additional valves required at HCA's or water crossing? d) Has all the evaluation criteria been examined/provided for this sp If no, please explain why: 8 STAKEHOLDER RELATIONS / TCPL_(if applicable) a) Does the variation require follow-up with specific stakeholder group of the variation proposed to satisfy stakeholder request? -If yes, please specify issue type (as it aligns to stakeholder database d) Has all the evaluation criteria been examined/provided for this sp ff no, please explain why: 9 Originator: Engineering Date: 8/15/2013	secific discipline? Yes Sandra Gigovic Sandra Gigovic Yes Yes Yes Yes Bud Andersen Yes ips? Yes	X X X X X X 10 Received by: Date: 12 Filed by: Date:	No X No X No X No X No X No X No X No X

0497-SD-P4-465.4-465.8-S

KEYSTONE XL PIPELINE PROJECT

1



Document Control Number: KXL10-00006-01-AA-180 (Form 2)

Ysela Love

From:	Brad Smith < brad_smith@transcanada.com>
Sent:	Wednesday, August 28, 2013 6:28 PM
То:	Ysela Love; Mary Katherine Golding
Subject:	Fw: RV 0496-01 & 0497-01

Is this RV absolutely necessary?

Brad Smith Project Engineer Keystone Pipeline Project TransCanada t: 713.693.6407 | m: 832.301.1338 2700 Post Oak Blvd., Suite 400 Houston, TX 77056

----- Original Message -----From: Jones, Craig [mailto:Craig.Jones@universalpegasus.com] Sent: Wednesday, August 28, 2013 04:54 PM To: Brad Smith Subject: RV 0496-01 & 0497-01

FYI

Met with L/O (Nelson) today to discuss RV's on his land. We staked out line of site, reviewed with L/O and made our case. L/O has rejected 0496-01 in favor of original line due to erosion concerns but has accepted 0497-01 as proposed.

Thanks

Craig

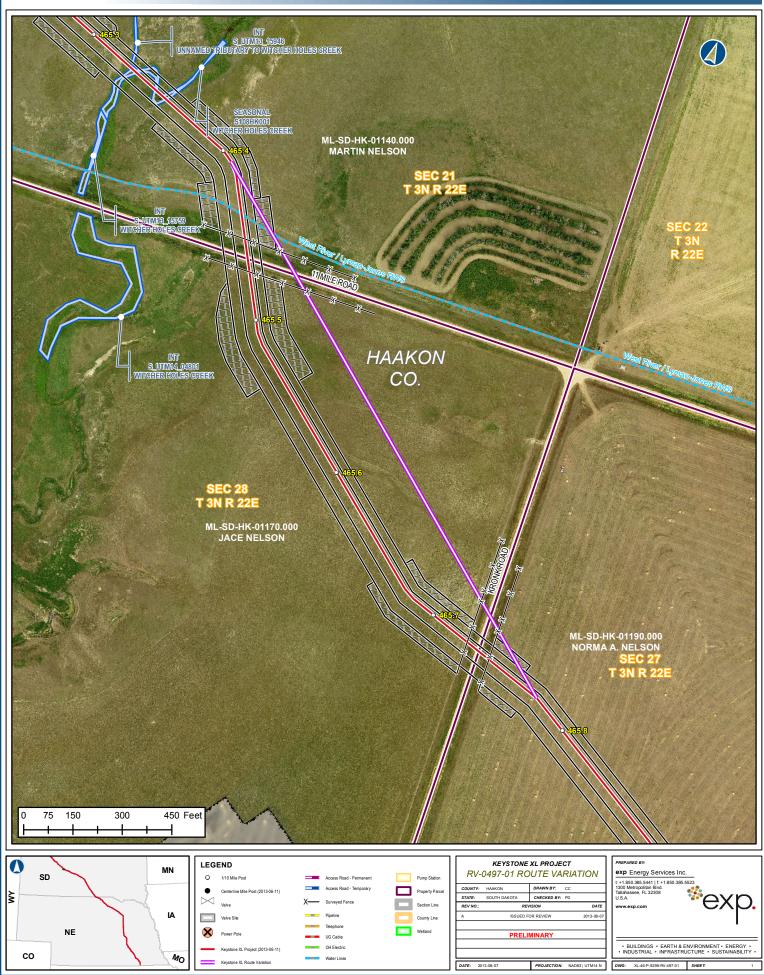
Universal Ensco, Inc., Pegasus International, Inc., UP International Inc. are UniversalPegasus International Companies

Information contained in this transmission is intended for the use of the individual or entity named above and may contain legally privileged and/or confidential information. If the reader of this message is not the intended recipient, you are hereby notified that the dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please permanently delete this message and immediately notify us by telephone. Thank you for your assistance.

This electronic message and any attached documents are intended only for the named addressee(s). This communication from TransCanada may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message. Thank you.

TransCanada

RV-0497-01 PROPOSED ROUTE VARIATION 2009-2011 PICTOMETRY/2011 NAIP IMAGERY

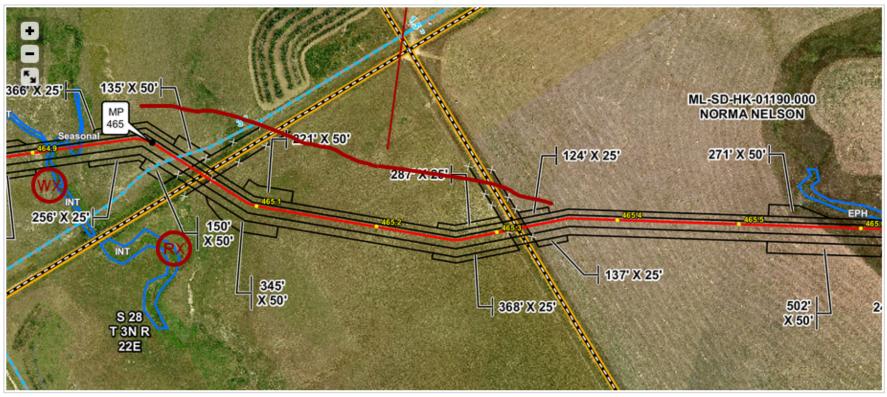




Change Variance Request

PROJ	ECT NAME:	Keystone Pipeline Gulf Coast Project				
CONTRACTOR SPREAD:		MPS	PROJECT NO:	25472		
CONTRACT TITLE:			PTR #:	25472-KXL-CVR-MPS-00130		
SUBJECT:		SD-CL-47-RX				
INITIATOR:		Ploederl Benjamin (MPS Construe LLC)	ctors SOURCE (CRMP, Clause, Drawing #):	SD Map Book CL		
DATE CREATED: REQUIRED RESPONSE DATE: TRACT NO.: DOCUMENT STATUS VARIANCE FROM:		06-Nov-2012	SPREAD/LOCATION (MILEPOST):	MP465.11		
		01-Dec-2012	LANDOWNER:			
			TYPE OF CHANGE	Major		
		Approve with Conditions	ALIGNMENT SHEET/STATION NUMBER	135		
		Other OTHER:				
JUST	IFICATION	Craig Jones was looking into a po (see recon report) The north side of the road has a to keep from having to deep of a	waterline 25' off the fence line and a	hill that will need to be cut way dowr		
		(see recon report) Survey Type	Survey Results/Explanati	on Additional Survey		
\boxtimes	Cost/Schedule Impact			N		
	Civil Survey					
X	Cultural Survey					
X	T & E Survey					
	Wetlands Survey					
FINA	L DISPOSITION		ng results of additional environmental oproval. Landowner will need to exect			
	L DISPOSITION	reroute. Tentative landowner ap	pproval. Landowner will need to execu			
DOCI		reroute. Tentative landowner ap reroute when a sketch is issued.	pproval. Landowner will need to execu			
DOCI	UMENTS ATTACHED	reroute. Tentative landowner ap reroute when a sketch is issued. 25472-KXL-CVR-MPS-00130.pdf	pproval. Landowner will need to execu			
DOCI	UMENTS ATTACHED ROVALS	reroute. Tentative landowner ap reroute when a sketch is issued. 25472-KXL-CVR-MPS-00130.pdf	pproval. Landowner will need to execu	ute an easement amendment for the		
DOCI APPR CVR -	UMENTS ATTACHED ROVALS Stag	reroute. Tentative landowner ap reroute when a sketch is issued. 25472-KXL-CVR-MPS-00130.pdf ge Koth	f Reviewer Name	Review Date		
DOCI APPR CVR -	UMENTS ATTACHED ROVALS Stag	reroute. Tentative landowner ap reroute when a sketch is issued. 25472-KXL-CVR-MPS-00130.pdf ge Kott	f Reviewer Name hari, Meera (TRANSCAN)	Review Date 12 Mar 2013		

Mp 465.1 11 mile rd, the north side of rd has a water line 25' off the fence and a hill that will need to be cut way down to keep from having such a deep bore pit. Not a good place for a road crossing , Craig Jones said he had turned in a reroute for this place last March . He was going to check on its status.



Sheet 135