

The only Avoidance Area crossed by the route was the lower end of the Little Knife River, above Stanley Reservoir. The location for the crossing was selected on the basis of avoiding cultural resources in the vicinity. HDD was utilized in order to avoid impacts to the river and to areas at or below the ordinary high-water mark. A building permit was issued by the City of Stanley for the tank facility.

Twelve cultural resources were recorded during the pedestrian survey of the study corridor, including eight stone feature sites, two historic archaeological sites, one architectural site, one railroad, and two additional sites. Mitigation, including rerouting of the pipeline, was completed to avoid sites that are or were considered potentially eligible for the National Register of Historic Places.

Fifteen residences are located within 500 feet of the route alignment. None are within the 100-foot study area corridor (50 feet to either side of the centerline).

Table 5: Avoidance Areas within the Study Corridor

Feature	Location	Closest Distance to Project	Anticipated Effects
Designated or Registered National: Historic Districts, Wildlife Areas, Wild/Scenic/Recreational Rivers, Wildlife Refuges, and Grasslands			
No National Historic Districts within Mountrail County	--	--	None
No Wild/Scenic/Recreational Rivers within 30 miles	--	--	None
Wildlife Areas/Refuges (same as those in Table 4)	--	--	None
No National Grasslands within 30 miles	--	--	None
Designated or Registered State: Wild/Scenic/Recreational Rivers, Game Refuges, Game Management Areas, Management Areas, Forests, Forest Management Lands			
No State Wild/Scenic/Recreational rivers	--	--	None
Game Refuges/Game Management Areas/Management Areas	--	--	--
<ul style="list-style-type: none"> State PLOTS Lands 	T154N-R91W Section 11 T154N-R91W Section 27 T154N-R91W Section 27 T154N-R91W Section 34 T154N-R91W Section 34	0.17 mile 0.36 mile 0.69 mile 0.82 mile 0.87 mile	None
<ul style="list-style-type: none"> Van Hook Resort & Wildlife Management Area 	Directly south of intersection of Highway 23 and 8, along shore of Lake Sakakawea	4.2 miles	None
No State Forests or Management Lands within Mountrail County	--	--	None
Historical Resources Not Designated as Exclusion or Avoidance Areas			
No Historical Markers in Mountrail County	--	--	None
Archaeological Sites			
<ul style="list-style-type: none"> 32MN1076, 32MN1077, 32MN1079, 32MN1080, 32MN1081, 32MN1082, 32MN1083 	Restricted	Pipeline reroutes enabled removing the features from within 100 foot construction ROW	None
Geologically Unstable Areas			
No geologically unstable areas within or adjacent to the study corridor (including earthquake, flooding, mass wasting, slumping, mine subsidence, and frost heaving)	--	--	None
Within 500 Feet of a Residence			
Annala, Brooks	Township 153N, Range 91W, Section 32: W1/2S1/2NW; W1/4W1/2W1/2E1/2S1/2NW	<500 feet	Waiver executed 12/9/2014



Table 5: Avoidance Areas within the Study Corridor

Feature	Location	Closest Distance to Project	Anticipated Effects
Dodson, Jay	Township 153N, Range 91W, Section 10: NW1/4NW1/4NW1/4	<500 feet	Waiver executed 11/19/2014
Evans, Fred	Township 154W, Range 91W, Section 3: S1/2NE1/4; LOTS 1 & 2, LESS OUTLOTS 1 - 6	<500 feet	Waiver executed 11/18/2014
Grotte, Wanda & Brooks L.	Township 152N, Range 92W, Section 21: N1/2 OF OUTLOT 1 OF NE	<500 feet	Waiver executed 6/3/2014
Grotte, Wanda	Township 152N, Range 92W, Section 21: N1/2 of OUTLOT 1 of NE	<500 feet	Waiver executed 6/3/2014
Haddeland, Darren J. (Deceased)	Township 152N, Range 92W, Section 21: SUBLOT B OF OUTLOT 3 OF SENE	<500 feet	Waiver executed by sole heir 12/9/2014
Hornaday, Shari L.	Township 152N, Range 92W, Section 21: SUBLOT B OF OUTLOT 4 OF SENE	<500 feet	Waiver executed 6/5/2014
Hornaday, Wanda	Township 152N, Range 92W, Section 21: SUBLOT B of OUTLOT 4 of SENE	<500 feet	Waiver executed 6/3/2014
Johnson, Audrey	Township 152N, Range 92W, Section 3: SW1/4SW1/4SE1/4; W1/2SE1/4SW1/4SE1/4	<500 feet	Waiver executed 5/28/2014
Johnson, Shane	Township 152N, Range 92W, Section 21: SILVERLINE SUBDIVISION; Parcel 460018003	<500 feet	Waiver executed 6/10/2014
Johnson, Shane	Township 152N, Range 92W, Section 21: SUBLOT A of OUTLOT 4 of SENE	<500 feet	Waiver executed 6/10/14
Kelly, Steven A. & Sandra	Township 152N, Range 92W, Section 21: SILVERLINE SUBDIVISION; Parcel 460018002 & Parcel 460018004	<500 feet	Waiver executed 6/30/2014
Langor, Mark	Township 152N, Range 92W, Section 21: SUBLOT A OF OUTLOT 4 OF SENE	<500 feet	Waiver executed 6/10/2014
Littlefield, Michael & Steven	Township 153N, Range 91W Section 29: NE1/4SE1/4; S1/2NE1/4; NE1/4NE1/4	<500 feet	Waiver executed 12/10/2014
Niemitalo, Kevin	Township 154N, Range 91W, Section 11, Outlot 1.	<500 feet	Waiver executed 12/8/2014
Reese, John & Colleen	Township 152N, Range 92W, Section 21: S1/2 OF OUTLOT 1 OF NE & OUTLOT 2 OF SENE, SUBLOT A of OUTLOTS 3 of SENE, OUTLOT 5 of SENE and SUBLOT A of OUTLOT 6	<500 feet	Waiver executed 11/15/2014
Sauber, John & Kathryn (Upon further investigation this building is not a residence)	Township 155N, Range 91W, Section 11: W1/2NW1/4; NW1/4SW1/4	<500 feet	Waiver executed 5/27/2014
Within 500 Feet of a School			
No Schools within 500 feet	--	--	None
Within 500 Feet of a Place of Business			
Dakota Plains Transport Inc.	Township 154N, Range 91W, Section 21: NE1/4	5219 feet	No waiver needed
EFM Enterprises	Township 154N, Range 91W, Section 33: NE1/4	<500 feet	Waiver executed 6/2/2014
IVM Holdings LLC	Township 152N, Range 92W, Section 21: OUTLOT 2 OF NENW	3097 feet	No waiver needed

Table 5: Avoidance Areas within the Study Corridor

Feature	Location	Closest Distance to Project	Anticipated Effects
Mountrail-Williams Electric Cooperative, Inc.	Township 152N, Range 92W, Section 21: OUTLOT 12 OF NWNW	5351	No waiver needed
Soo Line Railroad Company	Township 152N, Range 92W, Section 21: THAT PART OF N400' OF NWNW LYING S OF SOO	N/A	No waiver needed (Targa has obtained a permit from Soo Line Railroad to authorize the track crossing.)
Reservoirs and Municipal Water Supplies			
Little Knife River	Route crosses the lower end of the river	Within corridor, route crosses	None
Stanley Reservoir	South of Stanley	0.2 mile	None
Lake Sakakawea	West of New Town	1 mile, near New Town	None
Water Sources for Organized Rural Water Districts			
Southwest Pipeline Project	Associated with Lake Sakakawea	1.0 mile	None
Northwest Water Supply Project	Associated with Lake Sakakawea	1.0 mile	None
Western Area Water Supply Program	Associated with Lake Sakakawea	1.0 mile	None
Red River Valley Water Supply Project	Associated with Lake Sakakawea	1.0 mile	None
Irrigated Land			
No irrigated lands within the study corridor	--	--	None
Recreational Significance Area Not Designated as Exclusion			
Sybyl Center for Life Enrichment	301 1st Street SW, Stanley, ND	1.7 miles	None

7.2.1 Selection Criteria

State of North Dakota Rules specify several selection criteria to be considered in designating a pipeline corridor or route. Specifically, the Commission considers whether adverse effects from the location, construction, and maintenance of the facility, as they relate to these criteria, will be at an acceptable minimum and whether these effects will be managed and maintained at an acceptable minimum. Impacts, as they relate to each of the selection criteria, are discussed below.

7.2.1.1 Agricultural Production

Of the nearly 400 acres of land within the study corridor, approximately 5 acres are considered Prime Farmland and 103 acres are considered Farmland of Statewide Importance (Natural Resources Conservation Service 2014).