KELLY WM SCOTT & ASSOCIATES

32 Royal Abbey Rise NW Calgary, Alberta, Canada T3G 4Y5

July 19, 2013

Manitoba Conservation and Water Stewardship Environmental Assessment and Licensing Branch 123 Main St Suite 160 Winnipeg MB R3C 1A5

Attention: Ms. Elise Dagdick,

Environmental Approvals Branch

Re: File 5635.00

Request for Additional Information

Environmental Assessment Report - Pierson to MIPL Pipeline Project

EOG Resources Canada Inc.

Please find attached the summary of the additional information requested by Manitoba Conservation's March 26, 2012 email regarding the proposed EOG Resources Canada Inc. Pierson to MIPL Pipeline Project. The responses are provided in the order requested in the March 22, 2013 letter. Please note that routing on the west half of Section 31-2-29WPM was not finalized prior to completing this request. The best possible options were selected based on additional field review and discussions with stake holders. Finalized survey plans will be forwarded upon receipt.

The following additional information is required:

1. Chapter 5.1.8.3 Rare Vascular Plants — "A summary of plants identified within 1 km of the proposed pipeline right-of-way (previously accessed for the Pipeline route for Waskada to Pierson and Pierson to MIPL) by the Manitoba Conservation Data Centre is provided in Table 5.5. A request to Manitoba CDC was made to update current information was made in January 2013 however the information was not provided prior to completing this report and will be forwarded upon receipt." The Wildlife Branch — Manitoba Conservation Data Centre (CDC) did not receive a request for data for this project in January 2013. Furthermore, the data accessed for the Waskada to Pierson pipeline project may no longer be up-to-date, or applicable for this project. The Wildlife Branch requests that the proponent contact the CDC as soon as possible to inquire about access to the latest data.

Response:

Attachment # 1 is the Manitoba CDC search results that were provided to EOG on June 18, 2013.

2. Chapter 5.1.7 - Wetlands states that "Wetlands were avoided as a result of routing criteria (e.g., avoidance of wetlands, minimizing impact) for the proposed pipeline route". The Wildlife Branch requires further information on the potential effects on wetlands. Environmental assessments need to outline all the habitat types along the proposed route, including a detailed description of the class, size, and health of wetlands occurring along the route ROW, and site specific mitigation efforts including boring, trenching etc. More detailed information is required before the Wildlife Branch can properly review this project.

Response:

An update to Chapter 5.1.7 of the Environmental Assessment Report is provided as Table 3.1 below. Requested information regarding environmental features including wetlands, drainages and low areas crossed by the proposed pipeline is included.

TABLE 3.1 ENVIRONMENTAL FEATURE/WETLAND/LOW AREAS ALONG THE PROPOSED PIPELINE ROUTE

| LOCATION (WPM) | ENVIRONMENTAL FEATURE/ WETLAND TYPE | CLASS* | WETLAND HEALTH | FEATURE/ WETLAND SIZE WITHIN THE PROPOSED ROW (Acres) | % AREA OF THE TOTAL ROW | MITIGATION/ CONSTRUCTION METHOD |
|---|--|---------|---|--|-------------------------|---------------------------------------|
| SW 1/4 6-3-29- WPM | Low wet area - In field drainage. | Class 1 | Poor – Wet meadow vegetation. Cattails are dominant. | 0.19 | 0.14 | Bore |
| NW 31-2- 29WPM Route 1: Surveyed | None | - | - | - | - | - |
| NW 31-2- 29WPM Route 2: Not Surveyed | Slough | Class 3 | Good – Open water. Variety of wetland vegetation. | Approx. 1.2 | Approx. 0.9 | Bore |
| SW 31-2- 29WPM Route 1: Surveyed | Fenced livestock alley | - | - | - | - | Bore |
| SW ¼ 31-2- 29WPM Route 2: Not Surveyed | Immediately south of ¹ / ₄ line. Fenced livestock alley, low, dry treed area to North and South. | - | - | Approx. 2.0 | Approx. 1.5 | Bore |
| | Extreme SW corner. Slough – Low area and tree grove. | Class 2 | Good – Variety wet meadow vegetation. | Approx. 0.49 | Approx. 0.36 | Bore |

| LOCATION (WPM) | ENVIRONMENTAL FEATURE/ WETLAND TYPE | CLASS* | WETLAND HEALTH | FEATURE/ WETLAND SIZE WITHIN THE PROPOSED ROW (Acres) | % AREA OF THE TOTAL ROW | MITIGATION/ CONSTRUCTION METHOD |
|--|--|---------|--|--|--------------------------|--|
| SW ¹ / ₄ 27-2- 28 WPM | Low area – dry. | Class 1 | Poor – No habitat value. Weeds. | 0.1 | 0.07 | If wet during time of construction, the area will be bored in conjunction with the road. |
| SW ¼ 23-2- 29 WPM | Low wet area- slough. Adjacent to the ROW. | Class 2 | Fair- wetland vegetation present. | N/A – outside ROW. | N/A – outside ROW. | Erosion control, timing restrictions, narrowed down ROW. |
| NW ¼ 18-2- 28WPM | Low wet area. In field drainage. | Class 3 | Good – Variety wet meadow vegetation. | 0.19 | 0.14 | Bore |
| NE ¼ 7-2- 28WPM | Low wet area Immediately adjacent to ROW. | Class 2 | Good – Variety wet meadow vegetation. | N/A – outside ROW. | N/A – outside ROW. | Erosion control, timing restrictions, narrowed down ROW. |
| SE ¹ / ₄ 8-2- 28WPM | Low, dry area. Cultivated. | Class 1 | Poor – does not exhibit any wetland vegetation or wildlife habitat. | 0.2 | 0.15 | If wet during time of construction, the area will be bored. |
| N ½ - SW ¼ 3-2-28WPM | Gainsborough Creek and its respective riparian zone. | - | - | 0.19 | 0.14 | Bore |
| S ½ - SW ¼ 3-2-28WPM | Gainsborough Creek and its respective riparian zone. | - | - | 0.01 | 0.01 | Bore |

*The wetlands were classified using the Stewart and Kantrud wetland classification system (Stewart, Robert E., and Harold A. Kantrud. 1971. Classification of natural ponds and lakes in the glaciated prairie region. Resource Publication 92, Bureau of Sport Fisheries and Wildlife, U.S. Fish and Wildlife Service, Washington, D.C. Jamestown, ND: Northern Prairie Wildlife Research Center).

3. Table 5.1.8.1 states "The entire proposed pipeline route is located on cultivated land". Please confirm that there is no pasture, prairie, wetlands or other natural cover along the pipeline ROW. It would be preferable for the proponent to provide a table outlining the distribution of vegetation communities along the pipeline ROW (cultivated, shrub, wetland, riparian, grasslands etc.). Where native prairie or pasture was not avoidable during the routing selection process, Wildlife Branch will require additional mitigation measures to prevent impacts to these important habitats.

Response:

An update to Section 5.1.8.1 Ecosystem Classification of the Environmental Assessment Report is provided as Table 3.2 below.

TABLE 3.2 DISTRIBUTION OF VEGETATION COMMUNITIES WITHIN CULTIVATED LANDS ALONG THE PROPOSED PIPELINE ROUTE

| LOCATION (WPM) | LAND TYPE | AREA (Ac) LAND WITHIN THE ROW | % OF AREA OF THE TOTAL ROW |
|--------------------------------------|------------------------------|----------------------------------|----------------------------------|
| SW 31-2-29 WPM (buffalo paddock) | Improved pasture – disturbed | Approx 7.41 | 5.42 |
| NW 22-02-29 WPM | Improved pasture – disturbed | 2.09 | 3.78 |
| NE 22-02-29 WPM | Improved pasture – disturbed | 4.02 | 2.94 |
| NW 23-02-29 WPM | Improved pasture – disturbed | 0.88 | 0.65 |
| SW 23-02-29 WPM | Improved pasture – disturbed | 4.20 | 3.07 |
| NE 13-02-29 WPM | Cultivated - hayland | 3.98 | 2.91 |
| SW 3-02-28 WPM Gainsborough Creek | Riparian | 0.20 | 0.15 |

4. The survey data for rare and endangered species, in relation to the ROW is not provided. Table 5.5 provides some information but does not provide adequate spatial specific details for the purposes of a regulatory review by the Wildlife Branch. Although it is important to remain cautious about sharing endangered species locations, the Wildlife Branch requests a map of this data for the purposes of conducting a proper regulatory review.

Response:

Table 5.5 of the EA provides data for potential rare and endangered species that may occur in the area. The ROW was scouted this spring and there was no rare plant species observed at this time. Table 5.6 of the EA provides data for potential wildlife species that may occur in the area. No nests or breeding areas were observed for any of the bird species mentioned in Attachment # 1. Attachment #2 provides individual Environmental Alignment Sheets (sheets 2 through 5) for the Great Plains Toad, the only species named rare and endangered that was located within proximity to the ROW. As indicated in Attachment #2, the Great Plains Toad was observed in the vicinity of the proposed route near or in Sections 18-2-28-WPM (Sheets 2 and 3), 13-2-29-WPM (Sheet 4) and 29-2-29WPM (Sheet 5). Wildlife survey results were limited to visual and/or auditory observations (i.e., for Great Plains Toad) along or in the vicinity of the ROW.

5. An assessment of the impacts of the project on the Important Bird Area within which the project is located. p.5-11: "The proposed pipeline route is not proximal to any named lakes, Important Bird areas or NAWMP priority areas." This is an error. This project is being carried out entirely in the Southwestern Manitoba Mixed Grass Prairie - Important Bird Area.

Response:

The proposed EOG Pierson to MIPL Pipeline Project is located in the extreme southwestern corner

of Manitoba within the Southwestern Manitoba Mixed-grass Prairie Important Bird Area (IBA). This area is characterized by sandy soils, extensive rangeland and remnants of mixed grass prairie. The majority of the area is or has been cultivated. This area includes Poverty Plains, Lyleton-Pierson Prairies and the Souris River Lowlands. Grassland complexes in these areas account for a large proportion of Manitoba's overall nesting populations of grassland birds including species at risk such as Ferruginous hawk, burrowing owl, loggerhead shrike, Baird's sparrow and Sprague's pipit.

Routing of the proposed pipeline was selected to avoid native grassland and semi-permanent wetlands. These areas are utilized as nesting areas for a wide variety of birds. The proposed route will cross 45.97 ha (83.05% of the total ROW) cultivated land, 7.53 ha (13.60% of the total ROW) improved pasture land and 1.85 ha (3.34% of the total ROW) of wetland/riparian areas. No Wildlife Management Areas (WMAs) or Conservation easements lands will be crossed by the proposed pipeline route. Wildlife and bird surveys conducted along the proposed pipeline route in the spring of 2011 and June 19, 20 and 26, 2013 indicated no conflicts with breeding or nesting of rare or endangered bird species.

Potential effects to grassland birds and their habitat will be mitigated primarily by avoidance of grassland and wetland areas. Further, construction activities will occur outside the sensitive breeding window for most species (May 15 to July 15). Construction methods that minimize disturbance will be used; techniques where stripping will be limited to the ditchline and boring of wetland/riparian areas. Also, pipeline construction at road crossings will be bored so that disturbance to remnant roadside habitats will be avoided.

Given the pipeline route does not cross native habitat important to the grassland birds in the Southwestern Manitoba Mixed-grass Prairie IBA, the proposed construction schedule outside of the breeding bird window, and proposed construction and reclamation measures to minimize surface disturbance, potential effects to the Southwestern Manitoba Mixed-grass Prairie IBA as a result of the project will be minimal, of short duration and mitigable.

6. Given the known occurrences of nesting endangered bird species in the vicinity of the pipeline route, it may be required that the construction phase of this project be restricted between May 1st through August 15th. This is a critical time of year for many endangered bird species. These requirements are, in part, derived from the guidebook: Petroleum Industry Activity Guidelines for Wildlife Species at Risk in the Prairie and Northern Region (2009), as developed by Environment Canada.

Response:

EOG recognizes the importance of the nesting for endangered bird species in this area and is committed to any restrictions put forth by Environment Canada.

Should you have any questions or further information, please contact the undersigned by email at kwmscott@shaw.ca or by telephone at (403) 870-3285.

Sincerely,

Carrie Cowan.

KELLY WM SCOTT & ASSOCIATES

for KELLY SCOTT, Ph. D., P. Biol.

Enclosures – 2 - Attachments

Attachment 1

Note: The information provided is considered current a June 2013.

| Scientific Name | Common Name |
|-----------------------------------|----------------------------|
| Lanius ludovicianus excubitorides | Loggerhead Shrike |
| Calcarius ornatus | Chestnut-collared Longspur |
| Ammodramus savannarum | Grasshopper Sparrow |
| Athene cunicularia | Burrowing Owl |
| Anthus spragueii | Sprague's Pipit |
| Ammodramus bairdii | Baird's Sparrow |
| Anaxyrus cognatus | Great Plains Toad |
| | |

| Common Name | S rank | ESA | SARA | COSEWIC | NW 28-02-29W | SW 27-02-29W |
|--|--|---|---|--|-----------------------------|-------------------|
| Loggerhead Shrike | S2 | Endangered | Threatened | Threatened | Χ | X |
| Chestnut-collared Long | s S1S2 | Endangered | Threatened | Threatened | | |
| Grasshopper Sparrow | S2 | | | | | |
| Burrowing Owl | S1 | Endangered | Endangered | Endangered | | |
| Sprague's Pipit | S2 | Threatened | Threatened | Threatened | | |
| Baird's Sparrow | S1 | Endangered | | Special Concern | | |
| Great Plains Toad | S2 | Threatened | Special Concern | Special Concern | | |
| Common Name | S rank | ESA | SARA | COSEWIC | SE 28-02-29W | NW 22-02-29W |
| Loggerhead Shrike | S2 | Endangered | Threatened | Threatened | Χ | Χ |
| Chestnut-collared Long | s S1S2 | Endangered | Threatened | Threatened | | Χ |
| Grasshopper Sparrow | S2 | | | | | Χ |
| Burrowing Owl | S1 | Endangered | Endangered | Endangered | | Χ |
| Sprague's Pipit | S2 | Threatened | Threatened | Threatened | | X |
| Baird's Sparrow | S1 | Endangered | | Special Concern | | Χ |
| Great Plains Toad | S2 | Threatened | Special Concern | Special Concern | | |
| | | | | | | |
| Common Name | S rank | ESA | SARA | COSEWIC | NE 22-02-29W | NW 23-02-29W |
| Common Name Loggerhead Shrike | S rank S2 | ESA Endangered | | COSEWIC Threatened | NE 22-02-29W X | NW 23-02-29W |
| | S2 | | Threatened | | | NW 23-02-29W |
| Loggerhead Shrike | S2 | Endangered | Threatened | Threatened | | NW 23-02-29W |
| Loggerhead Shrike Chestnut-collared Long | S2 s S1S2 | Endangered Endangered | Threatened | Threatened | | NW 23-02-29W X |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow | S2 s S1S2 S2 | Endangered Endangered | Threatened Threatened | Threatened Threatened | | |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl | \$2 \$ \$1\$2 \$2 \$1 | Endangered Endangered Endangered | Threatened Threatened Endangered | Threatened Threatened Endangered | | |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit | \$2 \$ \$1\$2 \$2 \$1 \$2 | Endangered Endangered Endangered Threatened | Threatened Threatened Endangered | Threatened Threatened Endangered Threatened | X | |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow | \$2 \$ \$1\$2 \$2 \$1 \$2 \$1 \$2 \$1 | Endangered Endangered Endangered Threatened Endangered | Threatened Threatened Endangered Threatened | Threatened Threatened Endangered Threatened Special Concern | X | X |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow Great Plains Toad | S2 S1S2 S2 S1 S2 S1 S2 S1 S2 | Endangered Endangered Endangered Threatened Endangered Threatened | Threatened Threatened Endangered Threatened Special Concern SARA | Threatened Threatened Endangered Threatened Special Concern Special Concern | x x | X |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow Great Plains Toad Common Name | \$2 \$2 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$2 S rank \$2 | Endangered Endangered Threatened Endangered Threatened | Threatened Threatened Endangered Threatened Special Concern SARA Threatened | Threatened Threatened Endangered Threatened Special Concern Special Concern | x x | X |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow Great Plains Toad Common Name Loggerhead Shrike | \$2 \$2 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$2 S rank \$2 | Endangered Endangered Threatened Endangered Threatened Endangered Threatened | Threatened Threatened Endangered Threatened Special Concern SARA Threatened | Threatened Threatened Endangered Threatened Special Concern Special Concern COSEWIC Threatened | X X SW 23-02-29W | X |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow Great Plains Toad Common Name Loggerhead Shrike Chestnut-collared Long | \$2 \$2 \$2 \$1 \$2 \$1 \$2 \$1 \$2 S rank \$2 \$3 | Endangered Endangered Threatened Endangered Threatened Endangered Threatened | Threatened Threatened Endangered Threatened Special Concern SARA Threatened | Threatened Threatened Endangered Threatened Special Concern Special Concern COSEWIC Threatened | X X SW 23-02-29W | X |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow Great Plains Toad Common Name Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow | \$2 \$2 \$2 \$1 \$2 \$1 \$2 \$1 \$2 S rank \$2 \$3 \$2 \$3 | Endangered Endangered Threatened Endangered Threatened Endangered Threatened | Threatened Threatened Endangered Threatened Special Concern SARA Threatened Threatened | Threatened Threatened Endangered Threatened Special Concern Special Concern COSEWIC Threatened Threatened | X X SW 23-02-29W X | X |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow Great Plains Toad Common Name Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl | \$2 \$2 \$2 \$2 \$1 \$2 \$2 \$2 \$51 \$2 \$2 \$51 \$52 \$51 \$52 \$51 \$52 \$51 \$52 \$51 \$51 \$51 \$51 \$51 \$51 \$51 \$51 \$51 \$51 | Endangered Endangered Threatened Endangered Threatened Endangered Threatened ESA Endangered Endangered Endangered | Threatened Threatened Endangered Threatened Special Concern SARA Threatened Threatened Threatened | Threatened Threatened Endangered Threatened Special Concern Special Concern COSEWIC Threatened Threatened Endangered | X X SW 23-02-29W X | X |

| Loggerhead ShrikeS2Endangered S1S2Threatened Final EndangeredThreatenedThreatenedGrasshopper SparrowS2FindangeredEndangeredEndangeredBurrowing OwlS1EndangeredEndangeredEndangeredSprague's PipitS2ThreatenedThreatenedThreatenedBaird's SparrowS1EndangeredSpecial ConcernXXGreat Plains ToadS2ThreatenedSpecial ConcernXXCommon NameS rankESASARACOSEWICNW 13-02-29WSW 13-02-29WLoggerhead ShrikeS2EndangeredThreatenedThreatenedChestnut-collared LongsS1S2EndangeredThreatenedXGrasshopper SparrowS2EndangeredThreatenedXBurrowing OwlS1EndangeredEndangeredEndangeredXSprague's PipitS2ThreatenedThreatenedXBaird's SparrowS1EndangeredThreatenedThreatenedX |
|---|
| Burrowing Owl S1 Endangered Endangered Endangered Endangered Sprague's Pipit S2 Threatened Threatened Special Concern X X X Great Plains Toad S2 Endangered Threatened Special Concern Special Concern X X X X X X X X X X X X X X X X X X X |
| Burrowing Owl S1 Endangered Endangered Endangered Threatened Sprague's Pipit S2 Threatened Threatened Special Concern X X X Great Plains Toad S2 Threatened Special Concern Special Concern X X X X X X X X X X X X X X X X X X X |
| Sprague's PipitS2ThreatenedThreatenedThreatenedBaird's SparrowS1EndangeredSpecial ConcernXXGreat Plains ToadS2ThreatenedSpecial ConcernSpecial ConcernXCommon NameS rankESASARACOSEWICNW 13-02-29WSW 13-02-29WLoggerhead ShrikeS2EndangeredThreatenedThreatenedChestnut-collared LongsS1S2EndangeredThreatenedThreatenedGrasshopper SparrowS2XBurrowing OwlS1EndangeredEndangeredEndangeredXSprague's PipitS2ThreatenedThreatenedXBaird's SparrowS1EndangeredThreatenedX |
| Baird's Sparrow S1 Endangered Special Concern Special Concern X X Great Plains Toad S2 Threatened Special Concern Special Concern X Common Name S rank ESA SARA COSEWIC NW 13-02-29W SW 13-02-29W Loggerhead Shrike S2 Endangered Threatened Threatened Threatened Threatened X Grasshopper Sparrow S2 Endangered Threatened Threatened Threatened X Burrowing Owl S1 Endangered Endangered Endangered Threatened Threatened X Sprague's Pipit S2 Threatened Threatened Threatened X Baird's Sparrow S1 Endangered Threatened Threatened Threatened X Special Concern X X X X X X X X X X X X X X |
| Great Plains Toad S2 Threatened Special Concern Special Concern Common Name S rank Loggerhead Shrike S2 Endangered Threatened Threatened Chestnut-collared Longs S1S2 Endangered Threatened Threatened Grasshopper Sparrow S2 Findangered Endangered Endangered Sprague's Pipit S2 Threatened Threatened Threatened Threatened X Sprague's Sparrow S1 Endangered Threatened Threatened Special Concern X X X X X |
| Common NameS rankESASARACOSEWICNW 13-02-29WSW 13-02-29WLoggerhead ShrikeS2EndangeredThreatenedThreatenedChestnut-collared LongsS1S2EndangeredThreatenedThreatenedGrasshopper SparrowS2XBurrowing OwlS1EndangeredEndangeredEndangeredSprague's PipitS2ThreatenedThreatenedXBaird's SparrowS1EndangeredSpecial ConcernXX |
| Loggerhead ShrikeS2EndangeredThreatenedChestnut-collared LongsS1S2EndangeredThreatenedThreatenedGrasshopper SparrowS2XBurrowing OwlS1EndangeredEndangeredEndangeredSprague's PipitS2ThreatenedThreatenedXBaird's SparrowS1EndangeredSpecial ConcernX |
| Chestnut-collared Longs S1S2 Endangered Threatened Threatened X Grasshopper Sparrow S2 X Burrowing Owl S1 Endangered Endangered Endangered X Sprague's Pipit S2 Threatened Threatened Threatened X Baird's Sparrow S1 Endangered Special Concern X X |
| Grasshopper Sparrow S2 Burrowing Owl S1 Endangered Endangered Endangered Sprague's Pipit S2 Threatened Threatened Threatened Threatened X Special Concern X X |
| Burrowing Owl S1 Endangered Endangered Endangered X Sprague's Pipit S2 Threatened Threatened Threatened X Baird's Sparrow S1 Endangered Endangered X Special Concern X X |
| Sprague's Pipit S2 Threatened Threatened Threatened X Baird's Sparrow S1 Endangered Special Concern X X |
| Baird's Sparrow S1 Endangered Special Concern X X |
| , |
| |
| Great Plains Toad S2 Threatened Special Concern Special Concern X |
| |
| Common Name S rank ESA SARA COSEWIC SE 13-02-29W NE 07-02-28W |
| Loggerhead Shrike S2 Endangered Threatened Threatened X |
| Chestnut-collared Longs S1S2 Endangered Threatened Threatened |
| Grasshopper Sparrow S2 X |
| Burrowing Owl S1 Endangered Endangered Endangered |
| Sprague's Pipit S2 Threatened Threatened X |
| Baird's Sparrow S1 Endangered Special Concern |
| Great Plains Toad S2 Threatened Special Concern Special Concern |
| |
| Common Name S rank ESA SARA COSEWIC SW 17-02-28W NW 08-02-28W |
| Loggerhead Shrike S2 Endangered Threatened Threatened X X |
| Chestnut-collared Longs S1S2 Endangered Threatened Threatened |
| Grasshopper Sparrow S2 |
| Burrowing Owl S1 Endangered Endangered Endangered |
| Sprague's Pipit S2 Threatened Threatened Threatened |
| Baird's Sparrow S1 Endangered Special Concern |
| Great Plains Toad S2 Threatened Special Concern Special Concern |
| Common Name S rank ESA SARA COSEWIC SW 17-02-28W NW 08-02-28W |
| Loggerhead Shrike S2 Endangered Threatened Threatened X X |
| Chestnut-collared Longs S1S2 Endangered Threatened Threatened |
| Grasshopper Sparrow S2 |
| Burrowing Owl S1 Endangered Endangered Endangered |
| Sprague's Pipit S2 Threatened Threatened Threatened |
| Baird's Sparrow S1 Endangered Special Concern |
| Great Plains Toad S2 Threatened Special Concern Special Concern |

| Common Name | S rank | ESA | SARA | COSEWIC | NW 05-02-28W | NE 05-02-28W |
|--|--|---|---|---|---------------------|-------------------|
| Loggerhead Shrike | S2 | Endangered | Threatened | Threatened | X | X |
| Chestnut-collared Long | gs S1S2 | Endangered | Threatened | Threatened | | |
| Grasshopper Sparrow | S2 | | | | | |
| Burrowing Owl | S1 | Endangered | Endangered | Endangered | | |
| Sprague's Pipit | S2 | Threatened | Threatened | Threatened | | |
| Baird's Sparrow | S1 | Endangered | | Special Concern | | |
| Great Plains Toad | S2 | Threatened | Special Concern | Special Concern | | |
| Common Name | S rank | ESA | SARA | COSEWIC | SE 09-02-28W | NE 34-01-28W |
| Loggerhead Shrike | S2 | Endangered | Threatened | Threatened | Χ | X |
| Chestnut-collared Long | s S1S2 | Endangered | Threatened | Threatened | | |
| Grasshopper Sparrow | S2 | | | | | |
| Burrowing Owl | S1 | Endangered | Endangered | Endangered | | |
| Sprague's Pipit | S2 | Threatened | Threatened | Threatened | | X |
| Baird's Sparrow | S1 | Endangered | | Special Concern | | |
| Great Plains Toad | S2 | Threatened | Special Concern | Special Concern | | |
| Common Name | S rank | ESA | SARA | COSEWIC | SW 02-02-28W | SE 02-02-28W |
| Common Name | Jiank | _0, . | | | | |
| Loggerhead Shrike | S2 | Endangered | Threatened | Threatened | X | X |
| | S2 | | | Threatened Threatened | X | X |
| Loggerhead Shrike | S2 | Endangered | | | X | X |
| Loggerhead Shrike Chestnut-collared Long | S2 gs S1S2 | Endangered Endangered | | | X | X |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow | S2 gs S1S2 S2 | Endangered Endangered | Threatened | Threatened | X | X |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl | S2 gs S1S2 S2 S1 | Endangered Endangered Endangered | Threatened Endangered | Threatened Endangered | X | X |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit | S2 S1S2 S2 S1 S2 | Endangered Endangered Endangered Threatened | Threatened Endangered | Threatened Endangered Threatened | X | X |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow | \$2 \$2 \$1 \$2 \$1 \$2 \$1 | Endangered Endangered Endangered Threatened Endangered | Threatened Endangered Threatened | Threatened Endangered Threatened Special Concern | | X NW 36-01-28W |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow Great Plains Toad | \$2 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$1 \$2 | Endangered Endangered Endangered Threatened Endangered Threatened | Threatened Endangered Threatened Special Concern SARA | Threatened Endangered Threatened Special Concern Special Concern | | |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow Great Plains Toad Common Name | \$2 \$2 \$2 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$2 \$2 \$2 | Endangered Endangered Threatened Endangered Threatened Endangered Threatened | Threatened Endangered Threatened Special Concern SARA Threatened | Threatened Endangered Threatened Special Concern Special Concern COSEWIC | | NW 36-01-28W |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow Great Plains Toad Common Name Loggerhead Shrike | \$2 \$2 \$2 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$2 \$2 \$2 | Endangered Endangered Threatened Endangered Threatened Endangered Threatened | Threatened Endangered Threatened Special Concern SARA Threatened | Threatened Endangered Threatened Special Concern Special Concern COSEWIC Threatened | | NW 36-01-28W |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow Great Plains Toad Common Name Loggerhead Shrike Chestnut-collared Long | \$2 \$2 \$2 \$1 \$2 \$1 \$2 \$1 \$2 S rank \$2 \$3 \$3 | Endangered Endangered Threatened Endangered Threatened Endangered Threatened ESA Endangered Endangered | Threatened Endangered Threatened Special Concern SARA Threatened | Threatened Endangered Threatened Special Concern Special Concern COSEWIC Threatened | NW 35-01-28W | NW 36-01-28W |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow Great Plains Toad Common Name Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow | \$2 \$2 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$2 S rank \$2 \$2 \$2 \$2 \$2 | Endangered Endangered Threatened Endangered Threatened Endangered Threatened ESA Endangered Endangered | Threatened Endangered Threatened Special Concern SARA Threatened Threatened | Threatened Endangered Threatened Special Concern Special Concern COSEWIC Threatened Threatened | NW 35-01-28W | NW 36-01-28W |
| Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl Sprague's Pipit Baird's Sparrow Great Plains Toad Common Name Loggerhead Shrike Chestnut-collared Long Grasshopper Sparrow Burrowing Owl | \$2 \$2 \$2 \$1 \$2 \$1 \$2 \$1 \$2 S rank \$2 \$2 \$5 \$1 \$2 \$2 \$1 \$2 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 | Endangered Endangered Threatened Endangered Threatened Endangered Threatened Esa Endangered Endangered Endangered | Threatened Endangered Threatened Special Concern SARA Threatened Threatened Endangered | Threatened Endangered Threatened Special Concern Special Concern COSEWIC Threatened Threatened Endangered | NW 35-01-28W | NW 36-01-28W |

Attachment 2

| Attachment 2 provides - | •• | Ō | outlining: a) the occurrences of identified rare and |
|---------------------------------------|--------------|---------|--|
| endangered species along the pipeline | e right of w | ay (RO\ | N). |

Note the shapefiles are not included in this document but can be provided in electronic (digital) form upon request.

Environmental Alignment Sheets



ALIGNMENT SHEET SHOWING ENVIRONMENTAL FEATURES

S. 1/2 Sec. 18-2-28-W.1M. SHEET 2

R.M. of EDWARD MANITOBA

LEGEND

| ELGLIND | |
|----------------------------------|--------------|
| Proposed Route: | |
| Featured Area of Proposed Route: | |
| Temporary Workspace: | |
| Existing Pipeline Right-of-Ways: | |
| Existing Wells and Access Roads: | ——— |
| Native Grass Area: | |
| Bush: | ~~~~~ |
| Low Areas (Dry): | |
| Low Areas (Wet): | |
| Buried Cable: | —с— |
| Buried Water Line: | ww |
| Buried Pipe: | |
| Buried Power: | ——PB—— |
| Power Line: | |
| Easement: | |
| Bank: | -ուսուսուսու |
| Fence: | —x —x — |

| - | | | |
|-----|----------|----|---------------|
| - | | | |
| 0. | Issued | SB | July 10, 2013 |
| NO. | REVISION | BY | DATE |

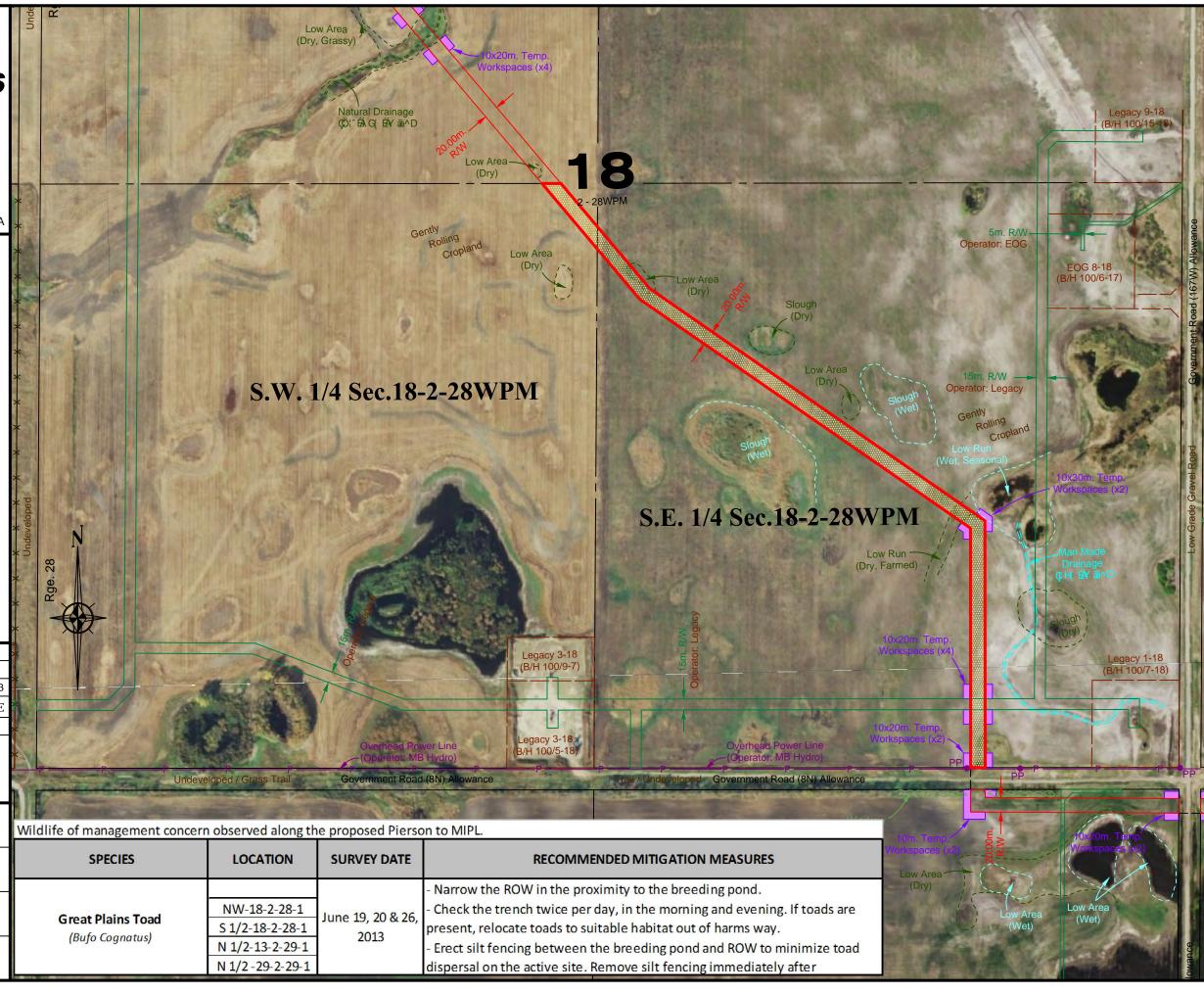
Body of Water: -----

Acad File: Env_Areas_Alignment_Sheets-West Portion | Job No.: 129402-C



Toll Free: 1-800-465-6233 www.altusgeomatics.com

| TAL N | LAND TYPE | Cultivated |
|-------------------|---|---------------------------|
| RONMEN OTECTIO | AREA OF PIPELINE WITHIN FEATURED PORTION | 2.185 ha (5.40 ac.) |
| | TOTAL AREA OF PIPELINE | 55.329 ha (136.72 ac.) |
| ENVI PR | PERCENTAGE OF TOTAL AREA WITHIN FEATURED PORTION | 3.95% |





Plan Showing

ALIGNMENT SHEET SHOWING ENVIRONMENTAL FEATURES

N.W. Sec. 18-2-28-W.1M. SHEET 3

R.M. of EDWARD

MANITOBA

LEGEND

| ELGLIND | |
|----------------------------------|-------------|
| Proposed Route: | |
| Featured Area of Proposed Route: | |
| Temporary Workspace: | |
| Existing Pipeline Right-of-Ways: | |
| Existing Wells and Access Roads: | |
| Native Grass Area: | |
| Bush: | ~~~~~ |
| Low Areas (Dry): | |
| Low Areas (Wet): | |
| Buried Cable: | |
| Buried Water Line: | |
| Buried Pipe: | |
| Buried Power: | — – PB — — |
| Power Line: | ——Р —— |
| Easement: | |
| Bank: | _որդորդուրդ |
| Fence: | —x —x — |
| | |

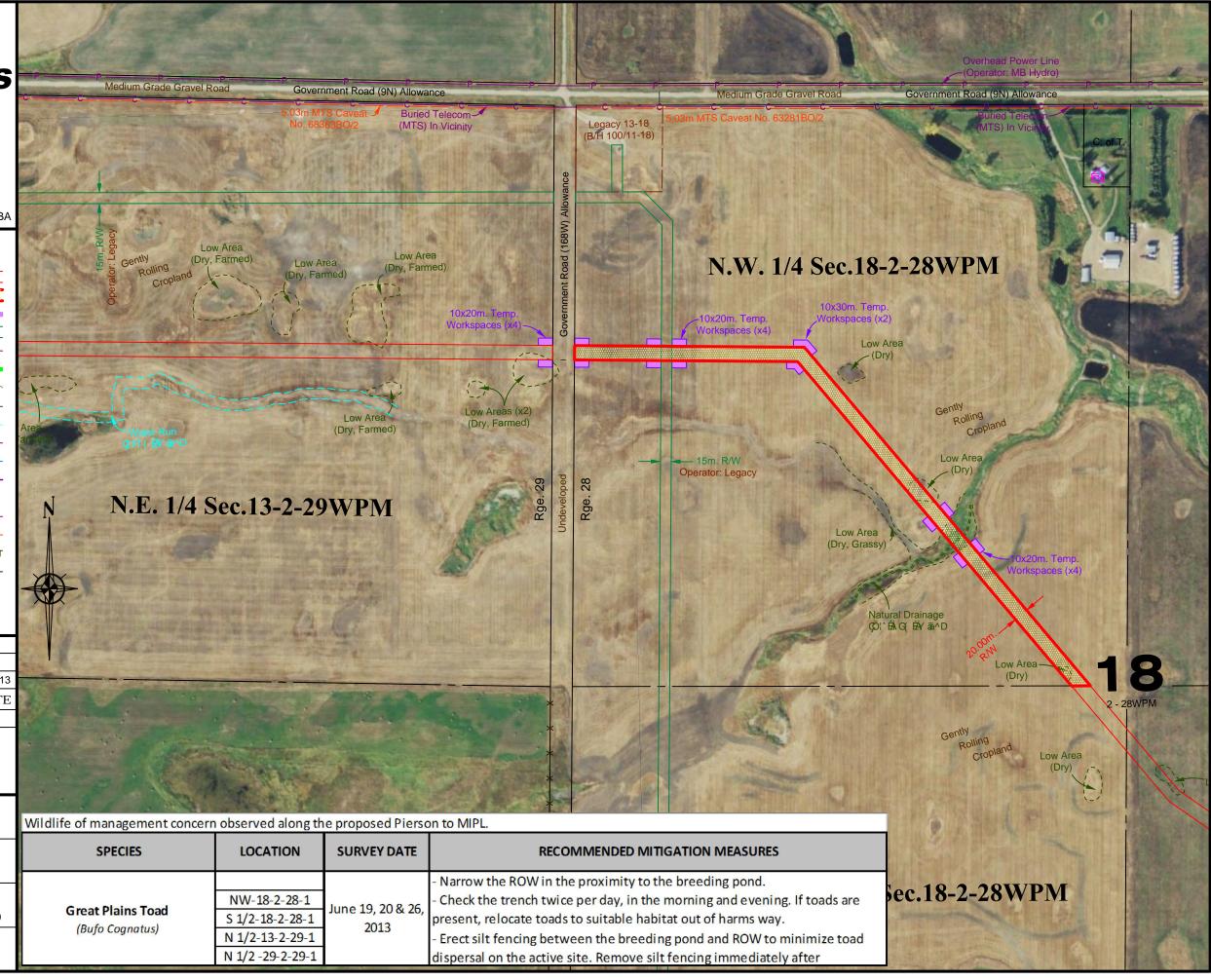
| - | | | | |
|------|---------------------------------------|---------|-------|---------------|
| - | | | | |
| 0. | Issued | SB | | July 10, 2013 |
| NO. | REVISION | ВУ | 7 | DATE |
| Acad | File: Env_Areas_Alignment_Sheets-West | Portion | Job N | o.: 129402-C |

Body of Water: -----

Altus Geomatics

Toll Free: 1-800-465-6233 www.altusgeomatics.com

| TAL N | LAND TYPE | Cultivated |
|--------------|---|---------------------------|
| MEN CTIO | AREA OF PIPELINE WITHIN FEATURED PORTION | 1.829 ha (4.52 ac.) |
| TRON ROTE | TOTAL AREA OF PIPELINE | 55.329 ha (136.72 ac.) |
| ENVI PR | PERCENTAGE OF TOTAL AREA WITHIN FEATURED PORTION | 3.31% |





ALIGNMENT SHEET SHOWING ENVIRONMENTAL FEATURES

N. 1/2 Sec. 13-2-29-W.1M. SHEET 4

R.M. of EDWARD MANITOBA

LEGEND

| Proposed Route: |
|--|
| Featured Area of Proposed Route: |
| Temporary Workspace: |
| Existing Pipeline Right-of-Ways: |
| Existing Wells and Access Roads: |
| Native Grass Area: |
| Bush: |
| Low Areas (Dry): |
| Low Areas (Wet): |
| Buried Cable:C ———C |
| Buried Water Line: —w—w— |
| Buried Pipe: |
| Buried Power: ———————————————————————————————————— |
| Power Line:P —— |
| Easement: |
| Bank: गुगगगगगग |
| Fence: —X —X — |
| Body of Water: |

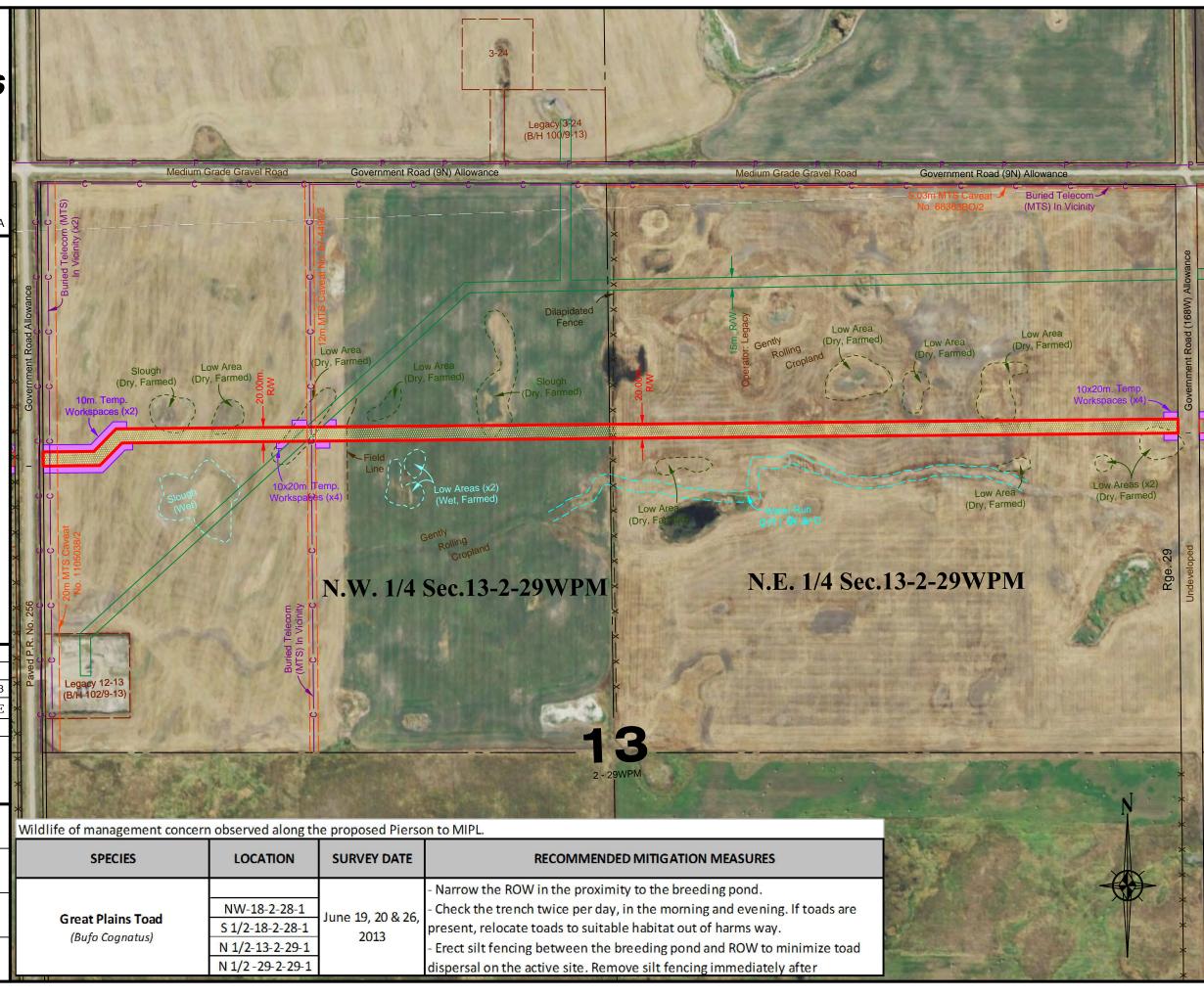
| - | | | |
|-----|----------|----|---------------|
| • | | | |
| 0. | Issued | SB | July 10, 2013 |
| NO. | REVISION | BY | DATE |

Acad File: Env_Areas_Alignment_Sheets-West Portion | Job No.: 129402-C



Toll Free: 1-800-465-6233 www.altusgeomatics.com

| TAL N | LAND TYPE | Cultivated |
|--------------------|---|---------------------------|
| I M E N C T I O | AREA OF PIPELINE WITHIN FEATURED PORTION | 3.240 ha (8.01 ac.) |
| TRON ROTE | TOTAL AREA OF PIPELINE | 55.329 ha (136.72 ac.) |
| ENV | PERCENTAGE OF TOTAL AREA WITHIN FEATURED PORTION | 5.86% |





ALIGNMENT SHEET SHOWING ENVIRONMENTAL FEATURES

N. 1/2 Sec. 29-2-29-W.1M. SHEET 5

R.M. of EDWARD MANITOBA

LEGEND

| Proposed Route: | |
|----------------------------------|-----------|
| Featured Area of Proposed Route: | |
| Temporary Workspace: | |
| Existing Pipeline Right-of-Ways: | |
| Existing Wells and Access Roads: | |
| Native Grass Area: | |
| Bush: | ~~~~~ |
| Low Areas (Dry): | |
| Low Areas (Wet): | |
| Buried Cable: | ——с— |
| Buried Water Line: | |
| Buried Pipe: | |
| Buried Power: | ——PB—— |
| Power Line: | ——Р —— |
| Easement: | |
| Bank: | -ուսուսու |
| Fanas: | |

| - | | | |
|-----|----------|----|---------------|
| - | | | |
| 0. | Issued | SB | July 10, 2013 |
| NO. | REVISION | BY | DATE |
| | | | |

Body of Water: -----

Acad File: Env_Areas_Alignment_Sheets-West Portion | Job No.: 129402-C

Altus Geomatics

Toll Free: 1-800-465-6233 www.altusgeomatics.com

| TAL N | LAND TYPE | Cultivated |
|--------------|---|---------------------------|
| MEN CTIO | AREA OF PIPELINE WITHIN FEATURED PORTION | 3.511 ha (8.68 ac.) |
| TRON ROTE | TOTAL AREA OF PIPELINE | 55.329 ha (136.72 ac.) |
| ENVI PR | PERCENTAGE OF TOTAL AREA WITHIN FEATURED PORTION | 6.34% |

