



**PU-25-83
Hiland Crude, LLC
Hiland Gullickson Reroute Pipeline
As-Built Inspection Report**

File No. 193807545

July 2026

Prepared for:

North Dakota Public Service Commission
600 E. Boulevard Avenue
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Table of Contents

1.0	EXECUTIVE SUMMARY	1.1
2.0	BACKGROUND INFORMATION	2.1
2.1	INTRODUCTION	2.1
2.2	PURPOSE & SCOPE	2.1
2.3	INSPECTION METHODOLOGY	2.2
3.0	INSPECTION RESULTS	3.1
3.1	DOCUMENT REVIEW	3.1
3.2	TRANSMISSION FACILITY	3.1
3.3	ROAD & RIGHT-OF-WAYCONDITION	3.1
3.4	PROJECT RIGHT-OF-WAY	3.1
3.4.1	SOIL RESREAD AND GRADING	3.1
3.4.2	GEOLOGICALLY UNSTABLE AREAS AND STEEP SIDE SLOPES	3.2
3.4.3	WETLAND AND STREAM CROSSINGS	3.2
3.5	FENCES AND GATES	3.2
3.6	FENCES AND GATES	3.3
3.7	WASTE REMOVAL	3.3
4.0	RECOMMENDATIONS	4.3
5.0	SIGNATURE	5.4

LIST OF FIGURES

Figure 1 Construction Observation Locations

LIST OF APPENDICES

Appendix A Observation Point Photolog



1.0 EXECUTIVE SUMMARY

The North Dakota Public Service Commission (PSC) retained Stantec Consulting Services Inc (Stantec) to complete inspection(s) during construction of the Hiland Crude, LLC (i.e. Hiland) Gullickson Reroute Pipeline, PU-25-83 (i.e., the Project) in McKenzie County, North Dakota. The purpose of the inspections is to ensure the Project is constructed in compliance with the siting laws and rules and the applicable PSC Orders for the Project, including requirements regarding pipeline depth and soil segregation, among others.

Construction involving soil disturbance for the Project began November 6th, 2025. Stantec was present to observe the commencement of topsoil salvage and segregation by Shanco, LLC (i.e., Shanco). Stantec was present for a construction inspection on January 5th, 2026 for pertinent construction activities deemed relevant to the applicable PSC orders for the project. Stantec conducted an as-built inspection of the Project area on July 16th, 2026. At the time of the as-built inspection, the pipeline trench had been backfilled, soils had been recontoured, topsoil had been replaced, and seeding was completed. Fencing removed for construction access had also been replaced. As-built conditions in various settings along the route were generally satisfactory. However, some areas of the ROW showed signs of topsoil movement/erosion due to precipitation and associated runoff. Agricultural crops were planted along a substantial portion of the corridor and appeared to be yielding comparably to the adjacent crops outside the project ROW. The majority of the Project was adequately maintained and appeared to have been constructed as planned with efforts to minimize impacts, but minor revegetation issues will continue to be monitored for the Project to be considered complete and in full compliance.

This As-built Inspection Report includes documentation ROW corridor alignments, trench backfill, subsoil and topsoil respread and contouring, fence/gate reconstruction and repair, and project waste removal during the July 16th on-site inspection of the project. In most places, the ROW corridor alignment and subsoil and topsoil respread and contouring, and fence/gate repair were satisfactory. Overall, the project site was in order and general project waste was removed. Areas of inadequate stormwater best management practices (BMP's) and topsoil erosion were observed which may be mitigated if erosion prevention measures are installed. Two other low areas along the project corridor were holding water at the time of inspection and may need minor re-grading to allow for proper vegetation establishment. Lastly, work along wetlands, steep slopes and other sensitive areas indicated in Hiland's Application for Corridor Compatibility appeared to maintain BMP's (excluding the area mentioned above) and be in compliance with PSC Orders.

Stantec recommends the PSC inform Hiland Crude to implement BMP's at the Observation Point 8 location and that noted areas lacking vegetation establishment be re-seeded in the Fall.



2.0 BACKGROUND INFORMATION

2.1 INTRODUCTION

Hiland has constructed the Gullickson Reroute Pipeline, a proposed 3.4 mile long, 8-inch steel crude oil pipeline in McKenzie County North Dakota. The Project stretches from Hiland's Operating LLC Pad to a proposed block expansion valve, located West of Alexander, ND.

2.2 PURPOSE & SCOPE

The North Dakota Energy Conversion and Transmission Facility Act (North Dakota Century Code Chapter 49-22) authorizes the Public Service Commission to determine that the location, construction, and operation of jurisdictional energy conversion and transmission facilities will produce minimal adverse effects on the environment and the welfare of citizens of North Dakota. Construction inspections aim to ensure that such projects are constructed in compliance with the siting laws (North Dakota Century Code Chapter 49-22) and rules (North Dakota Administrative Code Article 69-06) and the applicable PSC Findings of Fact, Conclusions of Law, and Order (Order). The PSC issued its Findings of Fact, Conclusions of Law and Order in Case No. PU-25-083 on August 7th, 2025, granting Certificate of Corridor Compatibility No. 241.

The PSC retained Stantec to complete as-built inspections of the Project. The inspection process included a review of the Application, the Project's Order, and other applicable documents. The primary intent of this As-Built Inspection is to document compliance with PSC's Findings of Fact (FoF) and Project Order Provisions:

Order Provision #12: *"Company understands and agrees that topsoil, up to 12 inches, or topsoil to the depth of cultivation, whichever is greater, over and along trench areas, must be carefully stripped and segregated from the subsoil. Any area on which excavated subsoil will be placed must first be stripped of topsoil. The stripped topsoil must not be stockpiled in natural drainages, and must be protected from water erosion. Care must be taken to protect topsoil from unnecessary compaction by heavy machinery. Unless otherwise approved by the Commission, topsoil must be removed before topsoil freezes in the late fall/early winter to the point that frost inhibits proper soil segregation. After backfilling with subsoil is completed, any excess subsoil must be placed over the excavation area, blending the grade into existing topography. Topsoil must be replaced over areas from which it was stripped only after the subsoil is replaced."*

Order Provision #18: *"Company understands and agrees that it shall, as soon as practicable upon the completion of the construction of the transmission facility, restore the area affected by the activities to as near as is practicable to the condition as it existed prior to the beginning of construction."*

Project Order #19: *"Company understands and agrees that all pre-existing township and county roads and lanes used during construction must be repaired or restored to a condition that is equal to or better*



than the condition prior to the construction of the transmission facility and that will accommodate their previous use, and that areas used as temporary roads or working areas during construction must be restored to their original condition”.

Project Order #20: *“Company understands and agrees that reclamation, fertilization, and reseeding is to be done according to the Natural Resources Conservation Service recommendations, unless otherwise specified by the landowner and approved by the Commission”.*

Project Order #21: *“Company will fulfill its obligation for reclamation and maintenance of the approved transmission facility right-of-way, transmission facility, and associated facilities continuing throughout the life of the transmission facility”.*

Project Order #22: *“Company will repair all fences and gates removed or damaged during all phases of construction and operation of the transmission facility”.*

Project Order #23: *“Company will repair or replace all drainage tile broken or damaged as a result of construction and operation of the transmission facility”.*

Project Order #24: *“Company agrees to comply with the Tree and Shrub Mitigation Specifications attached”.*

Project Order #25: *“Company understands and agrees that it shall remove all waste that is a product of construction and operation, restoration, and maintenance of the site, and properly dispose of it on a regular basis”.*

Project Order #26: *“Company understands and agrees that it shall provide any necessary safety measures for traffic control or to restrict public access to the transmission facility”.*

2.3 INSPECTION METHODOLOGY

Stantec’s intent was to ensure the Projects obligations of compliance with specifications found in the Findings of Fact, Conclusions of Law and Order, Certifications Relating to Order Provisions, and Tree and Shrub Mitigation. Project Specifications originate from 1) siting laws and rules, 2) Project activities or specifications proposed in the Consolidated Application for a Certificate of Corridor Compatibility and Route Permit (Application), 3) Project plans described in the Findings of Fact, Conclusions of Law, and Order 4) Certification Relating to Order Provisions, and 5) regulations or recommendations from other agencies.

Stantec visually inspected the Project by walking and driving within the Project right-of-way on July 16th, 2026. At the time of inspection, the Contractor had completed their final restoration activities and demobilized from the project site. An iPhone was used to collect photographs during the inspection with the utilization of Arc GIS’s Field Maps application for GPS locating and documentation purposes. Location-referenced photographs are provided in Appendix A and Geographical Information System (GIS) generated map(s) of observation locations are provided in Figure 1.



3.0 INSPECTION RESULTS

3.1 DOCUMENT REVIEW

Stantec staff reviewed publicly-available Project documents in the PSC Online Case Search (<https://apps.psc.nd.gov/cases/psdocketsearch#searchanchor>) to find written verification of compliance for the Project Specifications. PSC required Project documents appear to be filed with the PSC. Non-PSC required documents were referenced in communication to various municipalities or agencies as being received and the communication is filed with the PSC. A tree and shrub mitigation plan was not found in the docket, but no impacts to trees or shrubs was observed through Stantec's inspections.

3.2 TRANSMISSION FACILITY

Multiple points along the as-built corridor of the pipeline were observed. The site inspection observations coincided well with the GIS shapefiles of the pipeline provided to Stantec (**Figure 1**). No points were observed to be differing with the route filed with the PSC (PSC Docket #1, 25 March 2023). Stantec staff reviewed the publicly-available documents and did not find any filed Route Adjustments on the PSC docket for this project. Additionally, there is no indication that an as-built alignment of the project has been filed with the PSC post construction completion. Construction of the pipeline was completed in January of 2026.

3.3 ROAD & RIGHT-OF-WAY CONDITION

All road crossing permits detail specifications to be followed which include no disturbance and restoration clauses. At the 36th St NW crossing location, Stantec visually confirmed this crossing was conducted through boring operations and have not altered the road surface.

3.4 PROJECT RIGHT-OF-WAY

3.4.1 SOIL RESPREAD AND GRADING

Overall, Stantec did not observe signs of widespread negligent soil respread techniques and PSC Order #12 appeared to be followed. Soil grading and slope contouring were generally appropriate and in compliance with PSC Order #12 and #18 (**Appendix A, Observation Points 1, 2, 4, 5, 7, 10-12, 14-17, 19-23, 25-28**). A few areas may need to be re-graded due to standing water preventing vegetation establishment (**Appendix A, Observation Points 18, 24**). Right-of-way soil respread and grading was found to be relatively clear of any significant amounts of subsoil mixing.

Prior construction inspection of right-of-way areas noted naturally shallow topsoil depth (6-inches or less) along the majority of the corridor and that replacing the entirety of the existing topsoil in-kind would be



crucial to permitting proper vegetation establishment. The as-built inspection confirmed that topsoil was generally replaced to an adequate depth as seeding activities had been completed approximately 2 months prior to the as-built inspection, and vegetation appeared to be establishing at an expected rate. A significant portion of the pipeline corridor is located within agricultural crop land. At the time of inspection, these crops were planted and in the latter half of their growth phase. Crops within the ROW appeared to be yielding comparably to those adjacent to the ROW (**Appendix A, Observation Points 5, 6, 14, 15, 20, 21, 23, 25, 26, 27**) which was an indication of proper topsoil respread depth and quality.

3.4.2 GEOLOGICALLY UNSTABLE AREAS AND STEEP SIDE SLOPES

The Findings of Fact document completed for the Project did not indicate any geologically unstable areas. However, the pipeline crosses a large ravine, which has potential for soil movement and erosion due to the steep slopes and significant elevation change. The pipeline crossed this area via HDD. Soil handling and BMP practices at these locations (**Appendix A, Observation Point 12**) appeared to be adequate, with no soil erosion present outside of the construction area. The Project corridor contains many other locations with steep terrain. As noted in the Construction Inspection, stripping efforts on steep slopes commonly resulted in large stockpiles on the downslope side of the ROW in order to create a flat workspace, where subsoil mixing was of relatively high likelihood. One of these areas were observed to have adequate contouring, but the topsoil was dry and contained a high sand content, resulting in the lack of vegetation (**Appendix A, Observation Point 3**). This area will likely need additional management, and/or re-seeding prior to the final Reclamation Inspection. Additionally, one area where the pipeline crossed a drainage way lacked proper BMP's and was hindering vegetation establishment (**Appendix A, Observation Point 8**). It is recommended that straw wattles or comparable BMP's be implemented at this location to encourage final establishment.

3.4.3 WETLAND AND STREAM CROSSINGS

The pipeline alignment crosses multiple wetlands and/or streams which were inspected to ensure compliance with the PSC order provisions. Impacts to streams and wetlands can be mitigated through the use of various BMP's such as silt fences, bio-rolls, and timber mats but must be removed following construction. Timber mats at wetland/stream crossings were removed at the time of the as-built inspection, but silt fence was still in-place in one location (**Appendix A, Observation Point 12**), which will need to be removed prior to the final Reclamation Inspection. Keeping select BMP's in-place is considered desirable until vegetation is established, as doing so will help prevent soil erosion.

3.5 FENCES AND GATES

Hiland committed to repairing and replacing all fences and gates (PSC Order Provision #22). Generally, existing fences and/or gates that were impacted by pipeline construction appeared to be replaced or repaired as needed (**Appendix A, Observation Point 9, 13**).



3.6 FENCES AND GATES

Hiland will repair or replace all drainage tile broken or damaged as a result of construction and operation of the transmission facility PSC Order Provision #23). Stantec did not observe broken or damaged drainage tile at any point along the pipeline route, and it is unlikely that any drain tile exists.

3.7 WASTE REMOVAL

Construction waste removal along the route was generally acceptable. Construction mats and timbers were completely removed at the time of inspection. As noted above in Section 3.4.3, some silt fence remained in place and should be removed once vegetation is fully established.

4.0 RECOMMENDATIONS

As-Built Inspections for PU-25-83 have verified that the Project, overall, is being constructed in compliance with the siting laws, siting rules, and applicable Commission Orders. Stantec makes the following recommendations to alleviate the issues observed during the Project inspection:

- Request company to remove any remaining silt fence once vegetation is fully established **(Appendix A, Observation Point 12)**.
- Request company to address poor quality topsoil and re-seed area noted in Section 3.4.2 **(Appendix A, Observation Point 3)**.
- Request company to implement straw waddles or comparable BMP's as noted in Section 3.4.2 **(Appendix A, Observation Point 8)**.



5.0 SIGNATURE

Stantec's Project Manager and Registered North Dakota Professional Engineer, Jordan Twete prepared this report. The report was reviewed by Matt Retka, North Dakota Professional Soil Classifier.

The conclusions in this Report are Stantec's professional opinion, as of the time of the Report, and concerning the scope described in the Report. The opinions in the document are based on conditions and information existing at the time the document was published and may not take into account subsequent changes. The Report relates solely to the specific project for which Stantec was retained and the stated purpose for which the Report was prepared. The Report is not to be used or relied on for any variation or extension of the project, or for any other project or purpose, and any unauthorized use or reliance is at the recipient's own risk.

Stantec has assumed all information received from the ND PSC and third parties in the preparation of the Report to be correct. While Stantec has exercised a customary level of judgment or due diligence in the use of such information, Stantec assumes no responsibility for the consequences of any error or omission contained therein.

This Report is intended solely for use by the ND PSC in accordance with Stantec's contract with the ND PSC. While the Report may be provided to applicable authorities having jurisdiction and others for whom the ND PSC is responsible, Stantec does not warrant the services to any third party. The report may not be relied upon by any other party without the express written consent of Stantec, which may be withheld at Stantec's discretion.

Jordan Twete
Project Manager
Civil Engineer

July 28, 2026
Date



FIGURES

Figure 1: Construction Observation Locations Map

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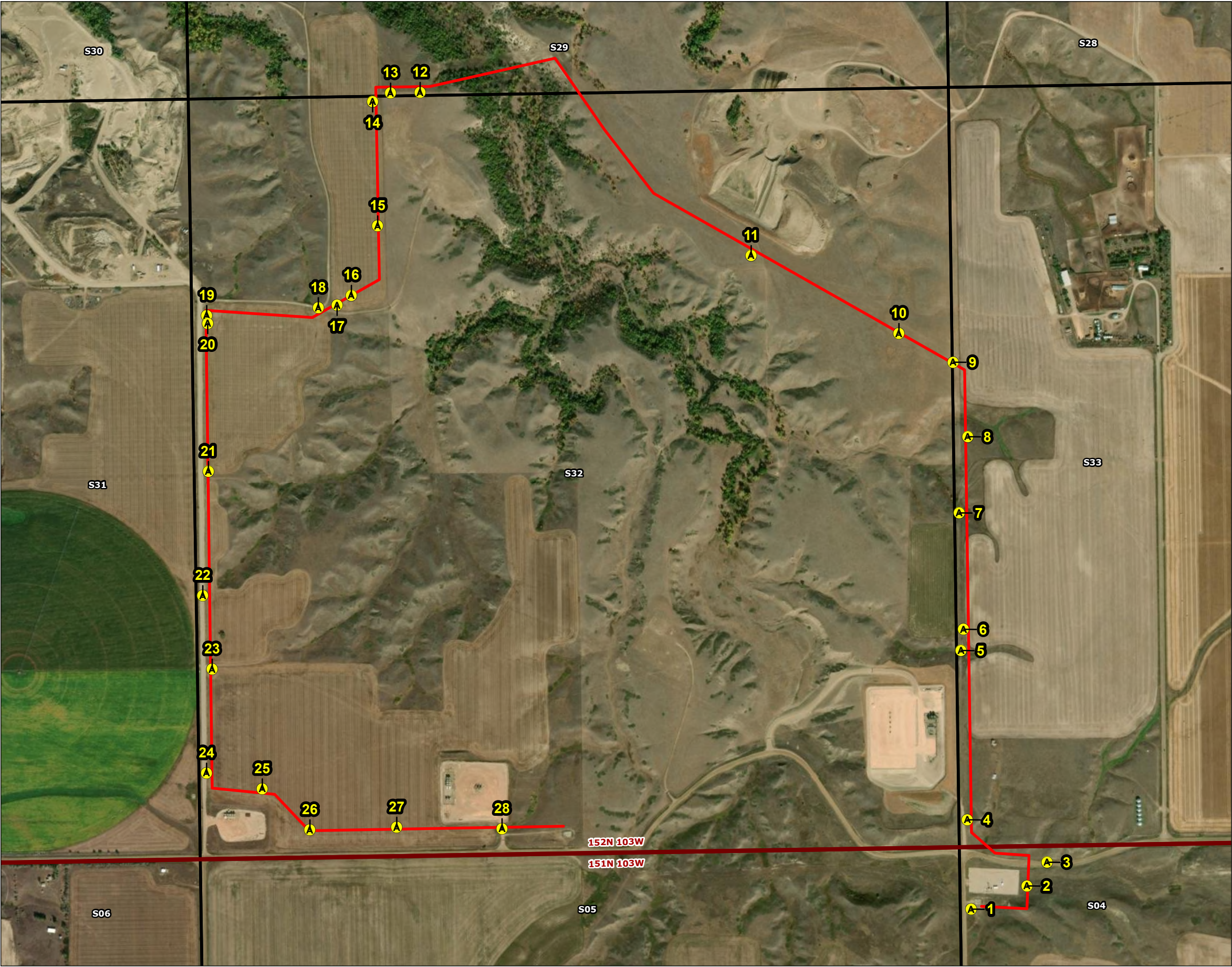
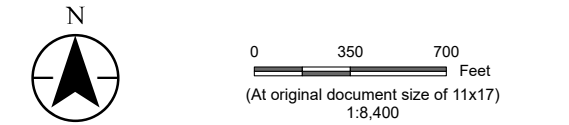


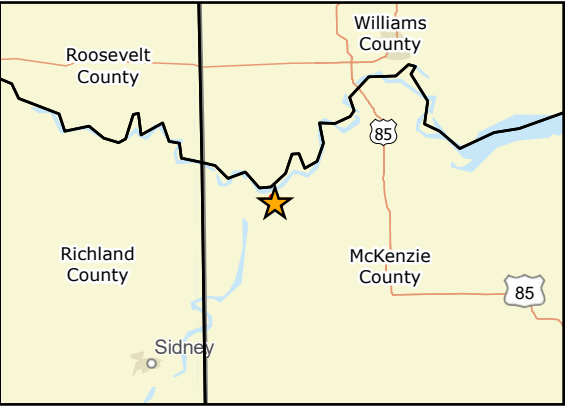
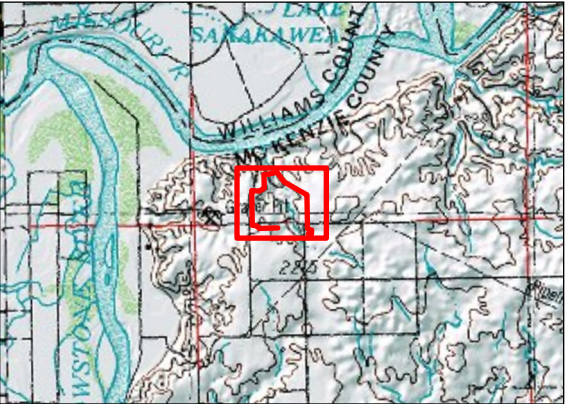
Figure No.
1
Title
As-Built Inspection

Client/Project
North Dakota Public Service Commission
PU-25-83 Hiland Gullickson Reroute
193807545

Project Location
T152N, R103W, S32
McKenzie Co., ND
Prepared by BS on 2026-07-23



- Legend
- Hiland Gullickson Reroute
 - Pipeline
 - Township Boundary
 - Section Boundary
 - As-Built Observation Location



Notes
1. Coordinate System: NAD 1983 UTM Zone 13N
2. Data Sources: ESRI, USGS
3. Background: ESRI World Imagery



APPENDIX A

Observation Point Photolog

PU-25-83 (Hiland Gullickson Reroute Pipeline): Observation Point Photolog

	Observation Point: 1 Date Taken: July 16, 2026 11:00 AM Direction Photo is Taken: East Photo Description: Good contouring, vegetation beginning to establish Latitude: 47.93382442667809 Longitude: -103.88316767411105
	Observation Point: 2 Date Taken: July 16, 2026 11:04 AM Direction Photo is Taken: South Photo Description: Proper grading and vegetation, erosion control BMPs in place Latitude: 47.93425093148693 Longitude: -103.88157530042794
	Observation Point: 3 Date Taken: July 16, 2026 11:06 AM Direction Photo is Taken: West Photo Description: Good contouring, sandy soils preventing adequate vegetation. May need to be re-seeded in the fall. Latitude: 47.93469715038621 Longitude: -103.88099709648404

PU-25-83 (Hiland Gullickson Reroute Pipeline): Observation Point Photolog

	Observation Point: 4 Date Taken: July 16, 2026 11:10 AM Direction Photo is Taken: North Photo Description: Good contouring and tie-ins to ROW, vegetation establishing well Latitude: 47.935525469502 Longitude: -103.88323734374939
	Observation Point: 5 Date Taken: July 16, 2026 11:12 AM Direction Photo is Taken: East Photo Description: Good contouring, no erosion or sedimentation noticeable along drainage swale Latitude: 47.93874910816623 Longitude: -103.88334707206957
	Observation Point: 6 Date Taken: July 16, 2026 11:14 AM Direction Photo is Taken: North Photo Description: Good contouring, crops well established through ROW Latitude: 47.9391528401158 Longitude: -103.88326900000764

PU-25-83 (Hiland Gullickson Reroute Pipeline): Observation Point Photolog

	Observation Point: 7 Date Taken: July 16, 2026 11:17 AM Direction Photo is Taken: North Photo Description: Good contouring, vegetation beginning to establish Latitude: 47.941367699885 Longitude: -103.88334308854073
	Observation Point: 8 Date Taken: July 16, 2026 11:23 AM Direction Photo is Taken: North Photo Description: Low area is missing straw waddles, stormwater runoff appearing to prevent vegetation establishment. Latitude: 47.94281582370442 Longitude: -103.88306669731767
	Observation Point: 9 Date Taken: July 16, 2026 11:26 AM Direction Photo is Taken: East Photo Description: Fencing re-installed properly. Latitude: 47.94423771358739 Longitude: -103.88345433293182

PU-25-83 (Hiland Gullickson Reroute Pipeline): Observation Point Photolog

	Observation Point: 10 Date Taken: July 16, 2026 11:29 AM Direction Photo is Taken: West Photo Description: Good contouring, vegetation beginning to establish Latitude: 47.94479950066636 Longitude: -103.88497845543225
	Observation Point: 11 Date Taken: July 16, 2026 11:33 AM Direction Photo is Taken: West Photo Description: Good contouring, vegetation beginning to establish Latitude: 47.94632365088256 Longitude: -103.88913318107186
	Observation Point: 12 Date Taken: July 16, 2026 11:54 AM Direction Photo is Taken: Northeast Photo Description: Good contouring, silt fence adequately installed for erosion prevention Latitude: 47.94951796239115 Longitude: -103.89844556006766

PU-25-83 (Hiland Gullickson Reroute Pipeline): Observation Point Photolog

	Observation Point: 13 Date Taken: July 16, 2026 11:56 AM Direction Photo is Taken: West Photo Description: Fencing properly reinstalled. Latitude: 47.94951325946823 Longitude: -103.89928364785648
	Observation Point: 14 Date Taken: July 16, 2026 11:58 AM Direction Photo is Taken: South Photo Description: Good contouring, crops well established through ROW Latitude: 47.94935516053175 Longitude: -103.89979352875942
	Observation Point: 15 Date Taken: July 16, 2026 12:02 PM Direction Photo is Taken: South Photo Description: Good contouring, crops well established through ROW Latitude: 47.94699114477678 Longitude: -103.89970233926118

PU-25-83 (Hiland Gullickson Reroute Pipeline): Observation Point Photolog

	Observation Point: 16 Date Taken: July 16, 2026 12:06 PM Direction Photo is Taken: East Photo Description: Good contouring, vegetation well-established Latitude: 47.94567449298865 Longitude: -103.90047610633187
	Observation Point: 17 Date Taken: July 16, 2026 12:07 PM Direction Photo is Taken: Southwest Photo Description: Good contouring, vegetation beginning to establish Latitude: 47.94549143404544 Longitude: -103.90088280626597
	Observation Point: 18 Date Taken: July 16, 2026 12:09 PM Direction Photo is Taken: Southwest Photo Description: Low spot appears to be natural closed depression and is holding water, thus hindering vegetation. Latitude: 47.94544870709858 Longitude: -103.90141476113999

PU-25-83 (Hiland Gullickson Reroute Pipeline): Observation Point Photolog

	Observation Point: 19 Date Taken: July 16, 2026 12:12 PM Direction Photo is Taken: East Photo Description: Good contouring, vegetation well-established Latitude: 47.94533016940067 Longitude: -103.90458112036256
	Observation Point: 20 Date Taken: July 16, 2026 12:13 PM Direction Photo is Taken: South Photo Description: Good contouring, crops well established through ROW Latitude: 47.94517971741458 Longitude: -103.9045568393992
	Observation Point: 21 Date Taken: July 16, 2026 12:15 PM Direction Photo is Taken: South Photo Description: Good contouring, crops well established through ROW Latitude: 47.94236261272018 Longitude: -103.9045965249594

PU-25-83 (Hiland Gullickson Reroute Pipeline): Observation Point Photolog

	Observation Point: 22 Date Taken: July 16, 2026 12:17 PM Direction Photo is Taken: East Photo Description: Sparse vegetation in drainage, no immediate concern but will need to revisit this area to confirm vegetation is adequate during final inspection. Latitude: 47.94000068399241 Longitude: -103.90480546638456
	Observation Point: 23 Date Taken: July 16, 2026 12:20 PM Direction Photo is Taken: South Photo Description: Good contouring, crops well established through ROW Latitude: 47.93859906612114 Longitude: -103.90456978072785
	Observation Point: 24 Date Taken: July 16, 2026 12:23 PM Direction Photo is Taken: Southeast Photo Description: Low spot holding water adjacent to oil pad entrance and hindering vegetation. No apparent natural outlet was observed, this was likely an issue prior to construction. Latitude: 47.93662235435136 Longitude: -103.9047698710772

PU-25-83 (Hiland Gullickson Reroute Pipeline): Observation Point Photolog

	Observation Point: 25 Date Taken: July 16, 2026 12:24 PM Direction Photo is Taken: Southeast Photo Description: Good contouring, crops well established through ROW Latitude: 47.93630810324143 Longitude: -103.90319809053854
	Observation Point: 26 Date Taken: July 16, 2026 12:26 PM Direction Photo is Taken: East Photo Description: Good contouring, crops well established through ROW Latitude: 47.93551300120505 Longitude: -103.9018666750364
	Observation Point: 27 Date Taken: July 16, 2026 12:29 PM Direction Photo is Taken: East Photo Description: Good contouring, crops well established through ROW Latitude: 47.93554038997728 Longitude: -103.89940573165366

PU-25-83 (Hiland Gullickson Reroute Pipeline): Observation Point Photolog

	Observation Point: 28 Date Taken: July 16, 2026 12:31 PM Direction Photo is Taken: East Photo Description: Good contouring, vegetation well established Latitude: 47.93548359671067 Longitude: -103.89642068842069
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