

## **PSC Case No. PU-17-48**

### **Arrow Field Services LLC**

### **10" Residue Gas and 8" Natural Gas Liquid Pipelines - McKenzie County**

### **As-built Construction Inspection Report - 11/22/2017**

Bartlett & West (BW) inspector Dan Christenson conducted an As-Built inspection of the Arrow Field Services (AFS) 10" Residue Gas and 8" Natural Gas Liquid Pipelines (Case No. PU-17-48) on November 22, 2017. Topsoil has been graded and seeding has been completed along the length of the right of way. Permit regulations and construction progress were inspected along the length of the right of way with no apparent compliance issues identified.

Large boulders encountered during construction which were being temporarily stored on the right of way have been removed and disposed of offsite. AFS has removed all temporary construction mats and all garbage/ debris has been picked up along the length of the right of way. Per the PSC order, the topsoil has been blended back into the existing topography and the land disturbed during construction has been restored to previous conditions. Seeding and fertilizer have been placed along the length of the right of way. Seeding was placed via the grass drill method and AFS disked straw into the surface of the topsoil for erosion control measures. Some portions of the right of way which were located on agricultural land did not receive straw disking as requested by landowners. All segments of the right of way located in pasture land or grassland received straw disking. A firm seedbed has been prepared and all large clods of soil have been broken apart. The pre-existing township and county roads used during construction are heavily traveled by adjacent oil field traffic and are in similar condition to the conditions noted at the beginning of construction. All fences and gates along the right of way have been repaired or replaced. During the inspection tour of the right of way the AFS representative was unable to confirm the final quantity of trees and shrubs removed. Per the Tree and Shrub Mitigation Specifications for the project, AFS is required to document the number and variety of trees and shrubs removed, as well as the mitigation plan for the proposed number, variety, type, location and date of replacement plantings, and must file with the Commission for approval.

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At this point it appears that the project is being constructed in compliance with the siting laws and rules, and the PSC Order for the project. The pages following include photographs taken during the As-built inspection and a location map.



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James Landenberger, Project Manager



Figure 1. View of agricultural land topsoil blended back into original contours looking north.



Figure 2. View of agricultural land topsoil blended back into original contours looking northeast.



Figure 3. View of agricultural land topsoil blended back into original contours looking east.



Figure 4. View of agricultural land topsoil blended back into original contours looking west.



Figure 5. View of grass land topsoil blended back into original contours looking west.

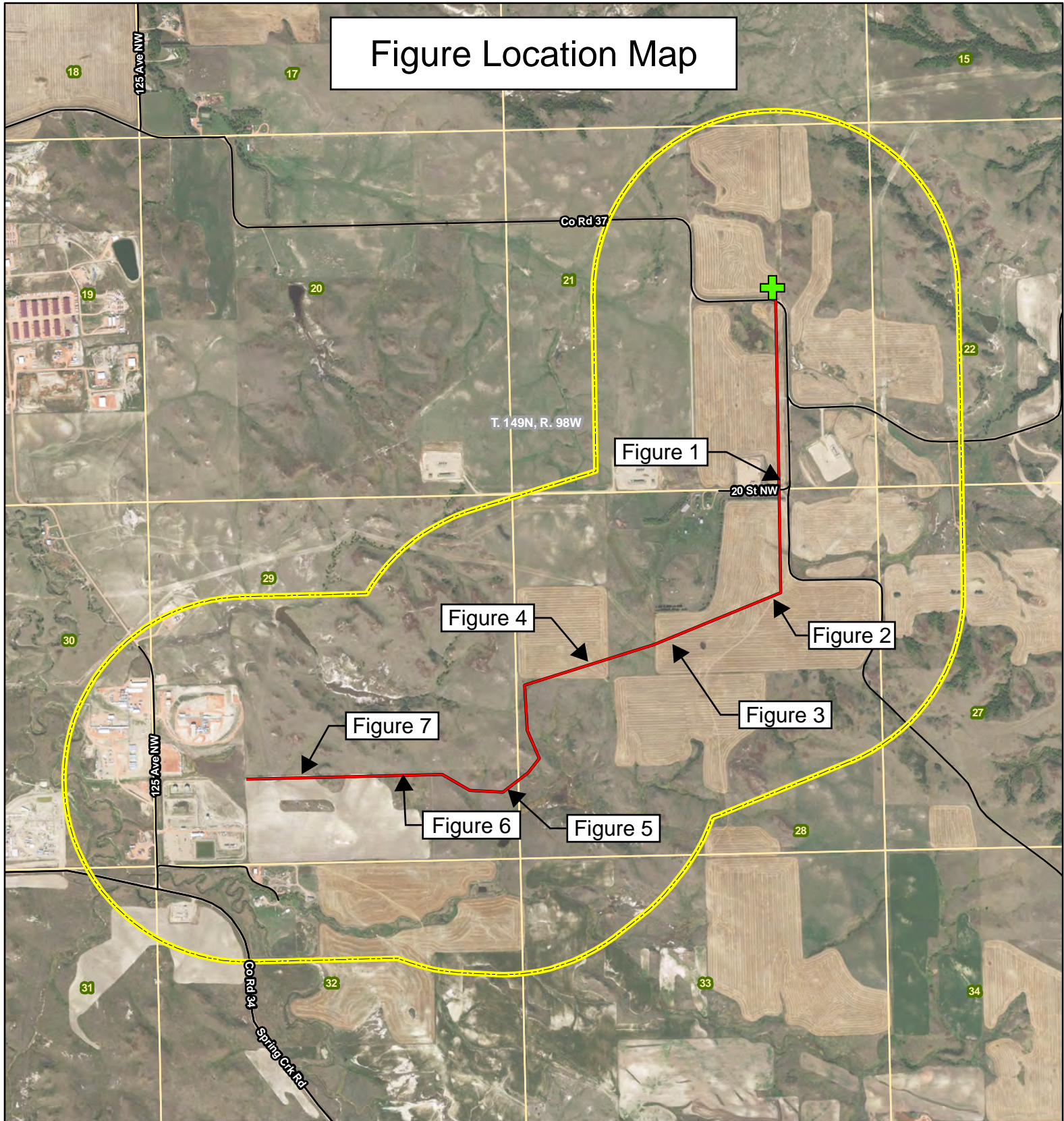


Figure 6. View of grass land topsoil blended back into original contours looking west.








Figure 7. View of agricultural land topsoil blended back into original contours looking west.

# Figure Location Map



## Legend

-  Proposed Gas Plant Location
-  Existing Road
-  Proposed Transmission Pipeline
-  1-Mile Wide Analysis Area
-  Section Boundary



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Base Map: 2015 Aerial Imagery  
Source: USDA/FSA -  
Aerial Photography Field Office  
Quadrangle: Teepee Buttes (1995),  
Lone Butte NW (1995)  
T. 149N, R. 98W  
McKenzie County, North Dakota

Projection: NAD 1983 UTM Zone 13N

