BAKKENLINK PIPELINE LLC

3rd & FINAL FIELD PIPELINE INSPECTION REPORT

From Dry Creek Terminal down to Fryberg Rail Facility

For

ND PUBLIC SERVICE COMMISSION

File Case Number PU-10-218

600 E. Boulevard Avenue
Bismarck, North Dakota 58505-0480

Date: 10-28-2015

Inspection Performed By KLJ, Bismarck, ND

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Executive Summary

The North Dakota Public Service Commission, **(PSC) File Case Number PU-10-218,** retained KLJ to complete a pipeline right of way construction inspection for the BakkenLink Pipeline LLC. This pipeline was constructed in Billings, Stark, Dunn, McKenzie, and Williams Counties, North Dakota. The pipeline contractor for this project was Alpha Pipeline Company.

Two other inspection were conducted by KLJ for the PSC, in 2012 and 2013. The first inspection was done on 11-28-12. This inspection started at the Fryburg rail facility and ended at station 1093+74 west of Fairfield, ND. This site visit visually inspected right of way progress, pipeline work, sink holes and/or cave-ins on the pipe trench, and grass reseeding for reclaimed right of way. The second inspection was done on 6-19-13. This inspection started where the 1st inspection ended. The second inspection ended in section 15, T 150N, R 97W at station 4369+30 center line of county road 116 Ave. NW. To the east of this section, is prairie land. To the west of station 4369+30, the right of way was graded and ready to bore line under county road 116 Ave. NW. This is where the second inspection ended. Both of these inspection reports will be included in the appendices. **(See Appendix C)**. The purpose of these two inspections, as requested by the (PSC) were to ensure the project was constructed in compliance with the siting laws and rules and the applicable PSC Order for the Project. Prior to these two inspections, KLJ reviewed all Project documents to identify those which required site verification.

The third and final inspection, as requested by the (PSC), was to verify the project is now completed and the pipeline right of way is in compliance with the PSC Order for the project. The entire pipeline route, from Beaver Lodge down to the Fryberg Rail Facility was part of the North Dakota Public Service Commission (NDPSC) siting application. However; only a portion of the BakkenLink Pipeline has been completed at this time. The completion of the BakkenLink Pipeline construction pertains only to the 97 miles from Dry Creek Terminal down to Fryberg Rail Facility. This portion of the main pipeline has been in service since 2013.

The portion of BakkenLink Pipeline approximately 37 miles from Dry Creek Terminal up to Beaver Lodge has not been constructed at this time. The construction of the pipeline from Dry Creek Terminal to Beaver Lodge is still an active project. The main reason this portion has not started construction, is because BakkenLink is currently waiting for approval/permits from the required agencies to cross Lake Sakakawea. **(See Figure 1).**

The Site, Dry Creek Terminal down to Fryberg Rail Facility, was visually inspected from the air via helicopter right of way fly over, on October 15, 2015. The BakkenLink engineering manager and one other BakkenLink associate, accompanied the KLJ representative during the right of way flyover. Overall, the Project was in satisfactory condition. It appeared from the fly over, that the project had been constructed as planned with efforts taken to minimize impacts along the pipeline right of way. However; there were concerns that may need to be resolved for the Project to be considered complete and in full compliance. KLJ considers one issue to be critical, which was any required repairs of eroded areas, if noted, with in the pipeline right of way, including potentially unsafe sink holes and wash outs on the pipe trenches along the right of way. Other important issues that KLJ recommends the PSC require include 1) written documentation of several particular aspects of project implementation identified during the document review, 2) review topsoil segregation procedures, possible soil amelioration/reseeding of areas with inhibited re-vegetation has been completed, and 3) confirmation of new tree/shrub plantings, as well as continued survival vegetation monitoring.

Other minor issues include 4) clarification of the policy on the setback of occupied homes added after construction, 5) verification of the as-built depth of the pipeline, 6) removal of loose material debris from right of way, which includes all pipeline areas, 7) clarification of construction timing restrictions on National Grasslands, 8) clarification that all top soil reclamation and grass seeding across right of way and all lateral portions is complete, which includes reseeded areas as well, and 9, submission of a clear, legible copy of all as-built drawings. The PSC will need to decide whether these recommendations are necessary to fulfill Project obligations. KLJ expects any follow-up action required by the (PSC), BakkenLink will address these issues to bring the BakkenLink Pipeline into full compliance as ordered by the (PSC). Thought it may be necessary, in future, to complete another field check on repaired erosional areas, reseeded areas, and tree and/or shrub plantings, KLJ ensures none is needed at this time.

1.0 Background

1.1 INTRODUCTION

The BakkenLink Pipeline system, the entire route, from Beaver Lodge down to the Fryburg Rail Facility is and has been part of the North Dakota Public Service Commission (NDPSC) sitting application. The attached map **(Figure 1)** is showing the existing and proposed BakkenLink pipeline. The pipeline shown in green on the map, approximately 97 miles (Dry Creek to Fryburg) has been constructed and was placed into service in 2013. The pipeline shown in red on the map, approximately 37 miles (Dry Creek to Beaver Lodge) has not been constructed at this time. Due to the current Federal constraints at this time, work continuing on pipeline construction from Dry Creek to Beaver Lodge that requires crossing Lake Sakakawea, has been held up.

The construction of the BakkenLink pipeline from the Dry Creek Terminal up to Beaver Lodge is still an active project. BakkenLink has worked very closely with the Public Service Commission (PSC), Army Corp Engineers (ACE), Bureau of Land Management (BLM) and many other state and federal agencies to acquire the necessary permits/approvals to construct the pipeline. BakkenLink is currently waiting on approval/permits from the US Army Corp of Engineers for the crossing of Lake Sakakawea. This process will take several years, but BakkenLink is hopeful they will receive approval from the Army Corp of Engineers later this year. The timing of construction for the Dry Creek to Beaver Lodge portion of the pipeline is solely dependent on the approval from the Army Corp Engineers (ACE) for the lake crossing.

The Project has consisted of an underground mainline, three lateral lines that will transport North Dakota light sweet crude, and six receipt points. The mainline will consist of approximately 123.8 miles of 12 inch steel pipe extending from Beaver Lodge, North Dakota, to a crude oil rail loading facility located near Fryburg, North Dakota, which has been developed by another entity. The Project's three 8 inch steel lateral lines will consist of an approximately 1.3 mile long segment extending from the Arrow Midstream Receipt Point to an interconnection point with the mainline near Johnson Corner, North Dakota, an approximately 4 mile segment extending from the Dunn Receipt Point to an interconnection point with the mainline approximately 30 miles north of Belfield, North Dakota, and an approximately 3.6 mile long segment extending from the Belfield Receipt Point to an interconnection point with the mainline just north of Belfield, North Dakota. The receipt points are located at: Beaver Lodge Receipt Point, Williams County; Keene Receipt Point, McKenzie County; Arrow Midstream Receipt Point, McKenzie County; Watford City Receipt Point, McKenzie County; Dunn Receipt Point, Dunn County; and Belfield Receipt Point, Stark County.

This Project is located in Billings, Dunn, McKenzie, Stark, and Williams Counties, North Dakota.

Surface facilities installed as part of the Project has included: receipt point tees; mainline valve assemblies; cathodic test stations; "pig" launchers and receivers; block valves; a SCADA system; and pipeline markers. Fenced in enclosures have been installed to protect house associated power and control systems which allow valves to be operated remotely.

This project is under the jurisdiction of the North Dakota Public Service Commission (PSC), which issued its Findings of Fact, Conclusions of Law, and Order In Case No. PU-10-218 on June 21, 2011, granting Certificate of Corridor Compatibility No. 128 and Route Permit No. 137, on February 29, 2012.

1.2 PURPOSE AND SCOPE OF INSPECTION

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 to citizens of North Dakota. Post-construction inspections ensured the project is constructed in compliance with the sitting laws and rules and the applicable Commission Findings of Fact, Conclusions of Law, and Order.

The North Dakota PSC retained KLJ, which completed two construction inspections on the BakkenLink Pipeline LLC Project previously. These two inspections had included a review of the Sitting Plan, Order, and other applicable documents to determine Project-specific sitting and construction requirements: The two site visits had included inspection of facilities; documentation of compliance; and the two previous reports summarizing findings.

This third and final report includes, but is not limited to, documentation of site visit from a helicopter fly over flight observation, documentation of compliance deficiencies if any, and a summary of issues that should be addressed for the Project to be considered complete and in full compliance.

2.0 Document Review

2.1 METHODS

KLJ reviewed North Dakota sitting laws and rules, the Application for the Certificate of Corridor Compatibility and Route Permit (Application), and the Order for the Project to identify what Project-specific documentation was required for compliance. KLJ then reviewed Project document in the PSC Online Case Search (ND PSC 2011) to identify those sitting laws and rules and Application and Order assertion that already had written verification, those which still require documentation, and those which required physical site verification that included the third and final site inspection.

2.2 FINDINGS

In accordance with the Commission's Selection Criteria, a list of components for the Project was asserted in the Application and Order which was documented post-construction to verify compliance with sitting laws and rules and the Order for the project, either by written documentation or physical site verification. If KLJ had found written documentation for a particular Project component, the impacts of the construction method would be at an acceptable minimum. If physical site verification was noted, this was marked in a particular component which was verified during the site inspection (Section 3.0).

Several components of the Project were asserted in the Application or proposed construction but is unclear if written documentation was indeed implemented or constructed as planned within the project. The PSC may require written verification from BakkenLink for any of these items, to show the Project is in full compliance.

3.0 Site Inspection

3.1 METHODS

Arnie Siverson, Pipeline inspector, from KLJ drove to Beulah Airport, Beulah, ND and met with BakkenLink personnel to conduct a fly over, for a third and final inspection on the right of way. On October 15, 2015 Arnie Siverson, KLJ met with Casey Brandenberg and Jim Gorham from BakkenLink and Wes, the helicopter pilot from Dakota Helicopters. The time of the flight was approximately 10:00 AM. Weather was sunny and cool. Temperature was 36 deg. F with no wind. We left the Beulah Airport by helicopter and headed for Arrow Transport station where BakkenLink pipeline right of way currently starts. Casey Brandenberg, pipeline engineering manager, accompanied KLJ during the flight and assisted with right of way navigation, pointed out past problem areas, answered questions regarding right of way items and concerns.

The site was inspected from the air flying, in from a southeast direction, to the current portions of the pipeline route starting from Arrow Midstream Facility by viewing the right of way where the pipeline starts and continuing on to Watford City airport, where we took on fuel. From Watford City, the inspection flight followed the pipeline right of way south to the Watford City Facility Terminal. The southern pipeline route continued through the Little Missouri River and Badlands, to the Dunn Terminal Facility. The pipeline right of way was continued to be inspected from the air until coming to the end of the line at the Fryberg Rail Facility. From here, we returned to the Beulah Airport. Digital photographs (Nikon Power shot Coolpix L24, 14.0 megapixels) were taken showing typical right of way reclaimed vegetation regrowth and documenting if any problem areas. From the air, the right of way looked like there was no adverse impacts and appeared to be complete set forth in the applicable laws and rules set forth by the Commission. **(Appendix A, Photos 1 thru 47, pages 1-24)**. Above ground pipeline valves were checked and visually inspected from the fly over. **(Appendix A, Photos 48 thru 59, pages 25-30).** The flight inspection survey began at the start of the pipeline located west of Arrow Facility in Section 17, T150N, R95W located in McKenzie County and proceeded to the south end of line at Fryburg rail facility in Section 10, T139N, R100W located in Billings County.

3.2 OBSERVATIONS & FINDINGS

3.2.1 Engineering/Construction/Design & Soils

The following aspects pertaining to engineering, construction, or design of Project Infrastructure were inspected at the site.

- 500 ft. Setback from Occupied Residences, Schools, Businesses: KLJ verified that at The time of pipeline construction and fly over inspection, there were no occupied residences within the 500 ft. setback from Project infrastructure.

- Pipeline Buried to 48 inches (72 inches Undeveloped Section Lines): The Route Application stated the pipeline would be installed at a minimum depth from the ground surface to the top of the pipe of 48 inches in range land, 48 inches for cultivated land, 48 inches at the bottom of the ditch for road crossings, and 72 inches across undeveloped section lines. No waiver was included or discussed in the Order for the Project. Additionally, US Forest Service Stipulations, as part of the approved Special Use Permit for the portion of the pipeline on National Grasslands, stated pipeline depth be a minimum 48 inches and at stream or creek crossings a minimum 8 ft. (96 inches). It is assumed that the pipeline is buried at these required depths.

- Width of Right of Way: The temporary construction for the right of way (ROW) will be generally 100 feet wide. Additional temporary workspace will be required at certain locations (e.g. road, railroad, and river crossings). The temporary construction ROW may be reduced in some areas as necessary to avoid impacts to environmentally sensitive areas.

  The projects permanent right of way (ROW) will be 50 feet wide. The location of the pipeline within the permanent ROW may vary. However; depending on terrain, the presence of other existing facilities and landowner concerns. The construction (ROW) will be reduced to 50 feet wide in wooded areas. The project will follow existing pipeline and utility easements where feasible. BakkenLink will use existing public roads to access the ROW, and does not expect to modify roads or construct new permanent access roads.

- Road Crossings Bored, Unless Permitted to Open Cut: Road crossing for the Project included both horizontally bored and open cut crossing if not used. For bored crossings, which include five paved roads (Interstate 94, State highway 85, State highway 73, State Highway 23, State Highway 200. All county road routes and gravel roads were bored according to BakkenLink, KLJ verified that the pipeline route was marked and that the vegetation appeared undisturbed. According to the as built drawings, there were several other gravel roads that were horizontally bored, but did not appeared to have any major concerns. All pre-existing township and county roads and lanes used during construction were repaired or restored to a condition that was equal to or better than the condition prior to the construction of the right of way and that it accommodated their pervious use, and the areas used as temporary roads or working areas during construction were restored to their original condition.

For open cut crossings, KLJ verified that all soil had been replaced appropriately, and that all road surfacing materials had been replaced, and that the regrowth vegetation in the ditches appeared to be similar to adjacent vegetation and had sufficient cover. All open cut crossings appeared to be in good condition.

- Topsoil Removed, Segregated, Replaced at 12 inch Depth or Depth of Cultivation, According to Landowners' and PSC's Requirements: The Environmental Mitigation Plan in the Application described topsoil segregation methods and depth of stripping at a minimum 12 inches in cropland or to the maximum depth of topsoil, if less than 12 inches. The PSC requirement is at least 12 inches or to the depth of cultivation, whichever is greater. It was noted that over and along trench areas where cuts were made, the top soil was segregated from the subsoil. After backfilling was completed, it was noted that any excess subsoil had been placed over the excavated area, blending the grade into existing topography. The top soil was replaced over areas from which it was stripped only after the subsoil was replaced. The Environmental Mitigation Plan also stated that topsoil segregation was not planned for wetlands or non-agricultural open areas. It is assumed that the PSC requires topsoil segregation across all land uses. Individual landowner requirements were unknown. KLJ observed that all topsoil appeared to have been removed and replaced to the required depth in cropland. Cropland that was disturbed during construction appeared to be the same as adjacent undisturbed cropland. This is a good indication that topsoil had been removed and replaced appropriately. One area of concern regarding topsoil replacement is for portions of the pipeline in non-agricultural areas, particularly rangeland on the National Grasslands and other private pastures. It is not clear whether topsoil was segregated in these areas. Examples in non-cultivated areas showed less vegetational regrowth and some bare ground between the pipeline right of way and adjacent undisturbed grassland. The vegetational differences may likely were caused by the different species that were planted compared to adjacent vegetation. However; soils can also be a factor, particularly in this region area where subsoils have high clay and salt contents; if they are not segregated from the limited topsoils, it can cause long term problems for revegetation. BakkenLink indicated that topsoil replacement and re-seeding portions of the right of way had been done in these areas. See reseeding notes and comments from BakkenLink. As noted in Appendix B, detailed maps show the areas of the right of way that was sprayed and reseeded. Tom Irwin, of High Plains Crop Consulting, LLC, is a professional crop consultant that was hired by BakkenLink to assess the right of way and provide recommendations on how to redo seeding with certain areas of the right of way. The reseeding and spraying begin in 2014 and finished in 2015. In addition to the spraying, BakkenLink mowed the entire right of way in the summer of 2014 to help combat weed growth. This was a significant task due to the total length of pipeline right of way. **(See Appendix B).**

- Restoration Procedures: It was noted that the construction contractor had limited ground disturbance wherever possible and used appropriate erosion and sediment control measures. Disturbed areas were restored to their original contours and conditions to the extent practical, unless the landowner consented to do otherwise. Post-construction reclamation activities included removing and disposing of debris, dismantling temporary facilities, leveling or filling tire ruts, soil decompaction and reseeding non-cultivated areas. BakkenLink's SWPPP measures had been based on the best management practices (BMP's) that had addressed erosion control, equipment refueling, temporary bridge crossings, timing, construction methods, and restoration. Temporary workspace was required on each side of a waterbody crossing to stage construction, fabricate the pipeline, and store materials.

  Temporary workspace was also located in upland areas with a minimum of 50 feet from the waterbody edge. Trench soil spoil was stored at least ten feet from the waterbody banks. Sediment barriers, such as silt fence and/or straw wattles were installed where required to prevent spoil and sediment laden erosion to enter the waterbody.

- Roads Restored to Previous Use: There were no temporary roads constructed for the Project. KLJ noted that all two track roads, county roads, and highways within the Project area appeared to be in good condition and properly maintained. It appeared that all efforts had been made to restore the roads to their previous use.

- Fences/Gates Repaired/Replaced: KLJ did not observe any gates or existing fences that had been impacted or damaged during phases of construction. There were numerous new fence lines without gates installed crossing along the length of the pipeline right of way, and it appeared all had been replaced or repaired properly.

- On-going Reclamation and Maintenance: The Route Application for the Project described detailed on-going maintenance for the pipeline and right of way, and BakkenLink stated they have a routine maintenance system in place. BakkenLink agrees that it is their obligation for reclamation and maintenance of the right of way throughout the life of the pipeline. This includes associated facilities, roadways, and pipeline. BakkenLink agrees that reclamation, fertilization and reseeding has been done according to the Natural Resources Conservation Service recommendations, unless otherwise specified by the landowner and approved by the Commission. KLJ noticed that all waste products of construction was removed with regard to operation, restoration, and maintenance of the site, and properly disposed of on a regular basis. KLJ did not observe any areas of intentionally exposed soil remaining from construction activity or areas that were in need of initial reclamation.

It was observed with the completion of the pipeline right of way, the area affected by the construction activity has been restored to as near as practicable to the condition as it existed prior to the beginning of the pipeline right of way construction. Depending on Project requirements, this typically involves decompacting construction work areas, replacing topsoil, and seeding non-cultivated land. **(See Appendix B).**

Rocks greater than 6 inches across were not placed within one foot of the surface on tilled cropland. Rocks were collected and disposed off the right of way or at a location designated by the land owner.

It was noted from right of way fly over, pipeline markers and/or warning signs had been placed along the pipeline centerline at specified intervals to identify to location of the pipe. Access roads were restored to preconstruction conditions, unless other wise specified by the property owner and approved by regulatory agencies. It was noticed that private and public property that was disturbed by pipeline construction had been restored to their original or better condition, consistent with agreements with individual landowners, counties, and/or township, and any applicable permit requirements.

- As-Built Drawings and GIS Files: BakkenLink indicated that Bartlett & West, engineers, Bismarck, ND had submitted or are in the process of submitting as built drawings and GIS files to the PSC as required within 90 days after construction of the Project. The as-builts were signed and sealed by a registered engineer. KLJ verified during the inspection that the Project had been constructed according to the as-built drawings. BakkenLink also indicated that Barlett & West will provide to the PSC an electronic version of the as-built facility design specifications that can be imported into ESRI GSI mapping software within 90 days of the completion of the construction to the PSC. The electronic map data must be reference to the North Dakota coordinate system of 1983, North and/or South zones US survey feet (NAD83) UTM Zone 13N or 14N feet (NAD 83), or geographic coordinate system (WGS840 feet. The vertical data must be in the appropriate vertical datum for the coordinate system used. All submission must specify the datum in which the data was developed.

3.2.2 Natural Resources (Wildlife, Wetlands, Vegetation)

The following requirements pertaining to natural resources, including wildlife, wetlands, and vegetation, were inspected at the Project site.

- Creek Crossing Avoided by Horizontal Drilling or Corps Permit Obtained: The Project Area traverses five watersheds including Lake Sakakawea (HUC 10110101), The Lower Little Missouri (HUC 10110205), the Knife River (HUC 101130201), the Upper Heart River (HUC 10130202), and the Middle Little Missouri River (HUC 10110203). The topography of the Corridor varies from level agricultural fields to rolling pasture lands and rugged badlands terrain. Wetlands, creeks, and perennial lakes are within the Project Area. Request from other agencies were that no creeks by permanently drained or filled and that construction take place outside of fish migration and spawning. The Environmental Mitigation Plan for the Project describes erosion and sediment flow control measures and alignment of crossing perpendicular to the axis of the stream channel to minimize crossing length. It appeared from the site visit that the above stipulations and measures were followed.

  Though the Corps Permit allowed all steam channels to be open cut, according to the as-built drawings there were several crossings which had been horizontally drilled underneath.

  Most of the stream flow in the Project Area is as a result of patterns in precipitation, evapotranspiration, soils, and topography. Although these flows can vary, the highest stream flows generally occur in spring and early summer as a result of snowmelt, rainfall on melting snow, or heavy rainfall on saturated soils.

  The North Dakota Department Health, along with other state and federal agencies, has programs that monitor ambient water quality at fixed sites on major bodies of water. Water quality is evaluated on a periodic basis under Sections 305 (b) and 3-3 (b) of the U.S. Environmental Protection Agency's (EPA) clean water act. The 305(b) report provides an inventory of surface water quality throughout the state to determine if established water quality meets the requested standards. Every two years the NDHH develops and the EPA reviews a list of North Dakota water bodies that do not meet water quality standards for designated uses. Water bodies in noncompliance are placed on the 303(b) list and are referred to as "impaired". Once placed on this list, plans are developed to conduct a total maximum daily load study to set goals needed to improve water quality. Within the Corridor, impaired waters include Lake Sakakawea due to methyl-mercury and the Little Missouri River from Highway 85 downstream to its confluence with Cherry Creek in McKenzie and Dunn Counties due to fecal coliform.

- Lake Sakakawea: This proposed Project will cross Lake Sakakawea. BakkenLink has been discussing a preferred crossing location and methods with the US Army Corp of Engineers (USACE). An easement will be required by the USACE for the lake crossing. BakkenLink will continue to coordinate with the USACE to obtain the necessary permit(s) and approvals.

  Lake Sakakawea is within the corridor and will be crossed by the route sometime in future project. The proposed lake crossing is in the US Army Corp of Engineers (USACE) designated utility corridor where the Route will parallel three existing pipeline. BakkenLink will obtain a permit from USACE, who will also approve the construction method to be used for the crossing. Sediment sampling of the lake has been performed, and the North Dakota Department of Health will review the results prior to approval and permitting by USACE. BakkenLink presented testimony indicating that there was no reasonable alternative to crossing Lake Sakakawea.

  BakkenLink has explored the possibility of completing the crossing using the horizontal directional drilling (HDD) method. However; both the subsurface geology and distance of the crossing indicate that an HDD crossing is not feasible. BakkenLink has evaluated alternative crossing methods and is currently discussing these methods with the USACE. Any construction methods will be approved and permitted by the USACE prior to construction.

  The North Dakota Department of Health is a cooperating agency with the USACE through the state-run 401 Water Quality certification program. The NDDH has indicated that sediment sampling of the lake sediments at the crossing location will need to be performed and analytical testing completed to determine the chemical composition of these sediments. The NDDH will review the results of these test prior to approval and permitting by the USACE.

- Wetlands: Wetland delineations were completed along the proposed route. Wetlands are present within the study area and will be crossed by the route. BakkenLink will take steps to protect wetlands and waterbodies, and no permanent impacts to wetlands or waterbodies are anticipated. BakkenLink filed with the PSC Commission as late-filed Exhibit 11 and addendum to the Wetland Delineation Report (Exhibit 6) providing information that was not available at the time of the public hearing. In addition, BakkenLink filed with the Commission as late-filed Exhibit 12 a list of the legal descriptions for and GIS mapping of directional drilling and conventional bore locations along the route, as well as the anticipated depth of the pipeline below the waterbody bed for waterbody crossings. On February 24, 2012, BakkenLink filed with the Commission a wetland delineation letter report covering the route modification.

The NWI records approximately six hundred acres of wetlands in the Corridor and approximately six acres of wetlands in the Route. Pothole wetlands, fringe wetland along riverine systems, and stock ponds are the primary types of wetlands. Pothole wetlands are primarily located in the northern reaches of the Corridor. Fringe wetland of riverine systems and stock ponds are scattered throughout the Corridor. Wetlands in the Corridor range in size from less than one hundred square feet to approximately 15 acres, with the typical wetland being less than one acre in size. Wetlands located in the Route average less than two tenths of an acre in size. Wetlands located in the riparian areas of the riverine systems vary in width from five to 500 feet. It is assumed construction through these potential wetland areas was covered under potential studies, and permits. KLJ confirmed that at the inspection fly over, there were no surface facilities installed in these wetlands along the route and there were no permanently drained or filled wetland noted.

Wetland areas within the Corridor will be avoided wherever feasible. Construction activities will be conducted in a manner to avoid or minimize impacts to existing wetland area habitats. Areas that will be disturbed by excavation, grading, and construction traffic may increase sedimentation into a wetland area. Reasonable efforts will be employed to limit any sediment movement within the Corridor. Following completion of pipeline installation, it is anticipated that there will be no additional impacts on surface wetlands or water quality. Permanent impacts are not anticipated.

- USFWS Wetlands Easement: Wetland easement are legal agreements signed with the United States of America, through the USFWS, whereby landowners are paid to protect wetlands indefinitely. Wetlands covered by an easement cannot be drained, leveled, or burned, but farming, grazing, or cutting hay is allowed. Wetland easement are applied to a specific tract of land but only the wetland basins are protected, not the adjacent uplands. USFWS personnel were contacted during the Project scoping to determine easement areas and no wetland easements are located within the Corridor.

- Little Missouri National Grasslands: Little Missouri National Grasslands (LMNG) is within the survey Corridor and will be crossed by the right of way pipeline route. BakkenLink has coordinated with the United States Forest Service (USFS) regarding crossing the LMNG. The route selected is located within and existing utility corridor, and will avoid USFS-designated roadless areas and suitable for wilderness areas. BakkenLink presented testimony indicating that there was no reasonable alternative to crossing the LMNG.

- Woodlands: Some woodlands are present within the Project area, and have been avoided by the route to the extent practicable. An inventory of trees and shrubs that would be affected by the Project will be completed. Trees and shrubs will be replaced in accordance with the Commission's tree and shrub mitigation specification. **(See Appendix B)**

  Woodlands in the Corridor are limited, occurring either naturally or as planted shelterbelts. Natural woodlands include deciduous woodlands, mixed deciduous and coniferous woodlands. These are in localized areas on mesic slopes or in drainages. Natural woodlands also include riparian woodlands or those associated with rivers, creeks, and streams. Planted shelterbelts in the Corridor include multi-row shelterbelts around farmsteads and structures, and field windbreaks, general varying from one to three rows in farmed areas.

  Any trees along the route will be protected to the extent practicable and in a manner compatible with safe operation, maintenance, and inspection of the pipeline and right of way. Impacts on wooded areas due to construction activity are anticipated to be temporary, it may be necessary to clear some mature trees during construction. KLJ confirmed that during the right of way fly over inspection, woody vegetation was avoided in most cases during pipeline construction and installation.

- No Endangered, Threatened, or Sensitive Plants Identified: The Project Application referenced a botany field survey done to identify potential habitat for listed plants. The North Dakota Heritage Inventory (NDHI) has identified plant species (heart-leaved buttercup) and some significant ecological communities (Badlands Slope, Needle-and-thread Mixed Grass Prairie, Western Wheatgrass Prairie, Western Little Bluestem Prairie, Rocky Mountain Juniper Woodland, Brackish Wet Meadow, and Western Three-square Meadow) in the area. The NDHI noted the presence of these natural resources, but deferred comments to the NDGF. The NDGF requested avoidance of native prairie, wooded draws, stream crossing, and wetlands to the extent possible.

  USFS (USFS 1991 and 2011) includes fourteen sensitive plant species that may be in the Little Missouri Natural Grasslands. A large portion of the Corridor and Route are tilled, and commonly seeded with annual cereal grains, alfalfa or alfalfa and introduced grasses. The majority of lands within the LMNG are native grasslands. These include a variety of suitable habitats for plant species. Within the general type in a given area, the sensitive plant species are often in micro-niches or as small inclusions. Based on historic records, there are fifteen know populations within the Corridor. Suitable habitat for other vegetation species exists within the Corridor, but no known populations of these species has been documented.

As stated in the Application, the project pipeline right of way did contain potential habitat for several listed sensitive plants, however; the actual route of the pipeline was immediately parallel to existing pipelines for the majority of its length throughout the Natural Grasslands. The previously disturbed corridor did not provide habitat for the sensitive plants and thus the Project should have had little impact to those species and this was confirmed by KLJ during inspection.

- Wildlife: Wildlife habitat types in the pipeline Corridor generally coincide with the major vegetation types. Wildlife in the Corridor includes resident and migratory birds, mammals, fish, reptiles, amphibians, and insects. Several species utilize habitats in the Corridor for forage, migratory stopover, breeding, and/or shelter. Valuable wildlife habitat in the Corridor includes agricultural fields, badlands, native and tame grasslands, sagebrush areas, wooded drainages, riparian areas, lakes, and wetlands.

  Some or the common wildlife species include sharp-tail grouse, Hungarian partridge, mourning dove, ducks, geese, sandhill crane, ring-necked pheasant, songbirds, raptors, rabbits and other small mammals. Large mammals that are in the area include coyote, white tail and mule deer, pronghorn, and elk.

  The Project may result in modifications of habitat and temporary displacement of wildlife, due to clearing and construction of pipeline. The Project had no significant impact on fish and wildlife resources and no impacts are anticipated to endangered, threatened or sensitive plant or animal species.

  The Migratory Bird Treaty Act of 1918, protects bird species, including, but not limited to, cranes, ducks, geese, shorebirds, hawks, and songbirds and their nests. These impacts will be temporary and permanent impacts are not anticipated. Activities closer to the construction will be more concentrated, and may temporarily displace nesting birds and wildlife, or destroy nests. The impact on terrestrial wildlife will be short-term and minimal, and permanent impacts are not anticipated as noted by KLJ.

- Avoidance of Prairie Dog Colonies and Black Footed Ferret: The Project Application stated there were no known prairie dog colonies with the Project area (which provide habitat for the endangered black-footed ferret), though there was potential habitat in flat, expansive grassland areas. These assertions were confirmed by KLJ during right over fly over inspection.

The black footed ferrets were historically in the southwest portion of North Dakota, but their occurrence is unlikely or questionable at this time. The black footed ferret requires expansive black tailed prairie dog colonies for food and den habitat. The black footed ferret survey guldelines (USFWS 1989) states that 80 acres is the minimum size prairie dog habitat needed to support black footed ferrets. Black footed ferret reintroduction into the wild began in 1991. There have been nineteen reintroduction sites, but none in North Dakota at this time. Potential habitat is found in the area, but the species has not been observed in North Dakota since 1954.

- Avoidance of the Dakota Skipper Butterfly Habitat: The Project Application stated that there was no known habitat that would impact the Dakota skipper butterfly. Dakota skippers use two types of habitat (USFWS 2006). One habitat is mesic native bluestem prairie with flowering wood lily, harebell, and smooth camas. The second habitat is upland prairie ridges and hillsides dominated by bluestem and needle grasses with purple coneflower and blanket flower. It appears diverse, high quality prairie required for this species was uncommon along the route.

  However; there were marginally potential areas present in the National Grasslands, which if they had been impacted, would have impacted the butterfly even if construction timing prevented direct mortality to individual Dakota skippers. It appeared these areas had been avoided.

- Avoidance of Sharp-Tailed and Sage Grouse Leks: Historical nesting data from the US Fish and Wildlife Service, The North Dakota Parks and Recreation Department, and the North Dakota Game and Fish Department indicates there is suitable grouse lek sites within the proposed Corridor. BakkenLink initiated a survey for prairie grouse (sharp-tail and sage grouse) in April 2011 and 2012. Ground surveys were conduct for sharp-tailed grouse leks on April 21, 27, and 28, 2011 and again 4-4-12 and 4-18-12. The pipeline route was within the 0.25 mile of the project route. Four active sharp-tailed grouse leks occur within 0.25 miles of centerline of right of way. 3 leks were located in Mckenzie County and 1 lek located in Billings County. The potential for occurrence is high within the project area, so timing restrictions on construction would apply. This should be confirmed with BakkenLink and clarified to prevent any future oversights in this regulation. Additional surveys may be conducted after construction in sensitive areas to observe during the nesting season to see if threatened and endangered species and/or their nests are encountered.

- Avoidance of Bald and Golden Eagle Nests and other Raptors: Historical nesting data obtained from the US Fish and Wildlife Service, the North Dakota Park and Recreation Department, and the North Dakota Game and Fish Department indicates there is suitable raptor nesting habitat within the proposed Corridor. BakkenLink initiated a survey for raptor species, including bald and golden eagles in April 2011 and 2012. Non game birds encompass a variety of raptor species, including migratory bird species that are protected under the Migratory Bird Treaty Act.

  To protect species protected under the Migratory Bird Treaty Act, a presence/absence survey for active nests was conducted prior to construction. To minimize impacts, migratory birds and nests should be avoided during construction and operation of the pipeline. Any wildlife encountered during work activities should be avoided to the extent possible. Clearing and grubbing of the Project right of way should occur in the fall or early spring to discourage bird nesting. Consultation with the USFWS regarding nesting avian species will be continued during construction activities.

  Raptor species that occurred in the project area as residents or migrants including eagles (bald and golden eagles) bueos (e.g., red tail hawk, swainson's hawk, ferruginous hawk) falcons (e.g., prairie falcon, American kestrel), accipiters (e.g., coopers hawk, sharp-shinned hawk) owls (e.g., great horned owl, burrowing owl, long eared owl)

  Aerial raptor surveys were conducted 4-13-12 and 4-14-12 by BakkenLink to identify occupied territories or active nest sites. Records from the NDGFD, North Dakota Parks and Recreation Department Heritage Inventory, USFWS and USFS were reviewed to determined the location and status of previously observed and recorded raptor nests. Transects were generally spaced 0.25 miles on either side of the project route. Nests for which the status could not be determined from the air were revisited and observed from the ground on 4-18-12 to determine or confirm nest status.

  Aerial surveys focused on cliff nesters (e.g., golden eagles, prairie falcon), and species that commonly nest in deciduous trees or on promontory points (e.g., rea tailed hawk, swainson's hawk, ferruginous hawk, great horned owl). The aerial surveys did not concentrate on cavity nesters (e.g., American kestrel) ground nesters (e.g., northern harrier) sub-terranean nesters(e.g., burrowing owl) or most conifer nester(e.g., accipiters) based on visibility limitations from the aircraft.

  Based on the results of the 2012 raptor nest survey and Application, there were 19 total active nest sites identified within 0.5 miles from the Project, which is the minimum distance for the USFS No Surface Occupancy restriction. Of these nests 11 were occupied by red tail hawks, three by swainson's hawk, two by great horned owls, and three historic raptor nests were occupied by Canada geese.

In addition, 19 historic nests were located and determined to be inactive in 2012. 19 historic nests were located and determined to be inactive in 2012. This should be confirmed with BakkenLink and clarified to prevent any future oversights in this regulations. KLJ did not observe any raptors during right of way fly over inspection and no golden eagle nest were seen in the immediate area of the pipeline route within the National Grasslands.

- Rare and Unique Natural Resources: Federally listed threatened, endangered and candidate species have been documented in the area of the proposed Project. The USFWS, North Dakota Game and Fish (NDGF), and North Dakota Parks and Rec Department were asked to review the Corridor for threatened and endangered species and unique habitats.

  The Endangered Species Act ensures that any actions authorized, funded, or carried out by federal agencies do not jeopardize the existence of any listed endangered, threatened, or candidate species. The USFWS stratifies potential candidates based upon the species biological vulnerability. Species listed as endangered or threatened are provided full protection, which includes prohibition of destruction of critical habitat. Candidate species are those under consideration for inclusion onto the threatened or endangered species list. Sensitive species are identified within North Dakota although they are not afforded formal protection under the Act. At this time the USFWS includes six listed species, two candidate species, and one designated critical habitat in the project area counties

- Compliance with "Tree and Shrub Mitigation Specification: BakkenLink has worked closely with landowners to minimize adverse impacts to vegetation associated with construction of the pipeline. Impacts to wooded areas are anticipated to be minimal. A survey has been conducted to document tree species and numbers that will be impacted by Project construction. Trees and shrubs will be replaced in accordance with the PSC tree and shrub mitigation specifications. BakkenLink has coordinated with the appropriate agencies to identify efficient restoration and mitigation measures following construction.

  BakkenLink will record areas of noxious weed population during pre-construction surveys. BakkenLink will submit a plan to control the spread of noxious weeds with the local NRCS office. The plan may include management practices such as:

  1. Herbicide application prior to construction
  2. Equipment cleaning requirements
  3. Use of weed-free straw and hay for erosion control, mulching, etc.
  4. Monitoring and control during operation of the pipeline.

Trees and shrubs anticipated to be cleared, including those that are considered invasive species or noxious weeds. The inventory shall record the location, number, and species of tree and shrubs. In windbreakers, shelterbelts and other planted areas, trees or shrubs anticipated to be cleared, regardless of size, shall be inventoried for replacement.

In native growth areas, trees anticipated to be cleared that are 1 inch diameter at breast height or greater shall be inventoried or replacement. In native growth areas, shrubs anticipated to be cleared in the permanent right of way shall be inventoried for replacement. In native growth areas outside the permanent right of way, shrubs shall be cut flush with the surface of the ground, taking care to leave the naturally occurring seed bank and root stock intact. If soil disturbance is necessary, the native topsoil shall be preserved and replaced after construction. Shrubs shall be allowed to regenerate naturally where native topsoil is preserved and replaced. Where native topsoil is not preserved and replaced, shrubs anticipated to cleared shall be inventoried for replacement.

A tree removal inventory was submitted in August 2014. Tree/shrub planting plans were submitted October 2014 with counts and types of trees planted at numerous locations. An update was submitted September 2015 indicating the Watford City planting in Section 25 of T150N, R97W. The report indicated the planting in Section 21 of T150N, R98W Watford City planting site **(Appendix B).** The planting in Section 14 of 148N, R99W Watford City planting site **(Appendix B).** The planting in Section 2 of T2N, R98W Grassy Butte planting site **(Appendix B).** The planting in Section 10 of T148N, R99W Watford City planting site **(Appendix B).**

The planting in Section 7 of T150N, R97W Watford City planting site **(Appendix B).**
The planting in Section 15 of T150N, R97W Watford City planting site **(Appendix B).**
The planting in Section 11 of T150N, R98W Watford City planting site **(Appendix B).**
The planting in Section 30 of T149N, R98W Watford City planting site **(Appendix B).**
The planting in Section 24 of T150N, R98W Watford City planting site **(Appendix B).**
The planting in Section 25 of T150N, R97W Watford City planting site **(Appendix B).**
The planting in Section 34 of T149N, R98W Watford City planting site **(Appendix B).**
The planting in Section 15 of T149N, R98W Watford City planting site (**Appendix B).**
The planting in Section 31 of T 149N, R98W Watford City planting site **(Appendix B).**
The planting in Section 36 of T 146N, R99W Grassy Butte Planting site **(Appendix B).**

KLJ contacted BakkenLink for tree planting information and their coordinator, LaDonna Emineth, confirmed trees have or are being planted for the Project. She stated that BakkenLink is working with the McKenzie County Soil Conservation District as they are the experts regarding soil, soil conditions and plantings. As of today BakkenLink has planted trees/shrubs landowners' have requested.

BakkenLink still have trees/shrubs to plant and are working with the Beulah Park District, USACE, and the Watford City medical facility to identify their needs as well as identify trees/ shrubs that BakkenLink would like to plant on GNM sites. In Billings County, BakkenLink will continue to work with Billings County Soil Conservation District for a 2016 planting for landowners as well as at the NDL Rail Terminal. Tree/shrub planting will continue until BakkenLink fulfills their requirements for planting. Additionally, BakkenLink will continue as required to monitor plantings survival through the county soil conservation districts.

- Tree Removal Minimized, Lost Trees Replaced, Woodland Crossing Width Reduced to 50 feet: Natural woodlands within the Project area were concentrated along streams or drainages. Some of these woodlands had been avoided due to directionally boring underneath the drainage or by the choice of the location of the crossing point. There were locations where the route went through mature planted tree rows and trees had been removed, but KLJ verified from the inspection fly over, the width of impact was less than 50 feet.

- Reclamation/Reseeding According to NRCS or Landowner, if applicable: It is assumed the measures described in the Environmental Mitigation Plan related to reclamation/reseeding such as erosion control structures and mulching were installed. From inspection fly out, it was noted remnants of these BMP materials had been removed from right of way. Records indicated reseeding took place beginning 2014 and completed in 2015. The majority of the Project area, is within cropland, which does not require reseeding after construction. Areas of natural vegetation which did require reseeding was typically along streams and drainages, in pastures, and in open rangeland of the Natural grasslands**. (Appendix B).**

  There were also hayfields which had presumably been reseeded to the appropriate type of hay crop. The non-cultivated, reclaimed areas tender to have areas of bare ground and the vegetation was clearly different between what was planted in the right of way and adjacent, undisturbed grassland. It appeared non-native species such as smooth brome grass and crested wheatgrass had been included in seed mixes, though there might have been carry-over from reclamation of adjacent pipeline routes. There were also native species that appeared to have been planted, such as green needlegrass and slender wheatgrass. The success of revegetation may have also been limited by the disturbed soils of the right of way.

3.2.3 Cultural Resources

The following aspects pertaining to cultural resources were inspected at the Project site.

- Cultural Resources Avoided: Metcalf Archaeological Consultants, Inc. completed a Class I Cultural Resource inventory of the proposed Corridor. The Class I Cultural Resources Inventory involved a search of both the site and manuscript files at the State Historical Society of North Dakota for the proposed Project Corridor.

  Two cultural resource site were identified during cultural studies for the Project within the pipeline corridor. However; they were not eligible for listing and did not require avoidance. Concurrence of this evaluation was obtained from ND SHPO for the original proposed route and subsequent re-routes.

  BakkenLink has performed a Class III Cultural Resource Inventory to formulate a preliminary determination of the significance of cultural resources along the Project route and evaluate their eligibility for listing in the NRHP. The result of the Class III survey has been submitted to the SHPO. Concurrence with respect to the effects on known resources and appropriate mitigation measures will be obtained from the SHPO prior to construction. In addition, BakkenLink will develop an "Unanticipated Discovery Plan" to guide procedures if an unknown cultural resource or human remains are inadvertently encountered during construction. The discovery plan will outline the framework for handing such discoveries in an Efficient and legally compliant manner.

4.0 Issues to Resolve and Recommendation

4.1 WRITTEN VERIFICATION OF PROJECT IMPLEMENTATION

As noted in Section 2.0, there could have been some components of the Project that were asserted in the plans or proposed during construction that may have not been documented with the PSC. These components could be verified with copies of final construction reports or ongoing reports from BakkenLink showing any type of written documentation that the Project was indeed implemented or constructed as planned, or that particular impacts have not occurred. KLJ recommends that the PSC request from BakkenLink any list of items which, according to their reviews from the PSC files that have not been documented in writing.

4.2 EROSION WITHIN PIPELINE RIGHT OF WAY

Erosion was the most significant concern during the helicopter fly over 3rd and final inspection visit. No erosion or sediment off of right of way was noted from fly over. No trench cave-ins or sink holes were observed during inspection. Though it was confirmed that BakkenLink has a routine maintenance plan in place, erosion and sedimentation problems need to be addressed as soon as possible, so long term issues can be prevented. KLJ recommends that BakkenLink keep providing a maintenance/follow up reclamation plan implemented during the life of the pipeline.

4.3 TOPSOIL, SEGREGATION AND REVEGETATION IN NON-CROPLAND

Non-cultivated pasture land that had been reclaimed and reseeded, such as streambanks and open grasslands, tended to have areas of bare soils and vegetation differences on the pipeline route compared to adjacent vegetation. Consideration was given to ameliorating topsoils and/or reseeding for any of these portions of the right of way route that was reseeded. **(See Appendix B).**

KLJ also recommend that the policy on topsoil segregation and replacement be clarified between what was stated in the company's Environmental Mitigation Plan for non-agricultural open areas and the PSC requirements. In the region of the Project area, KLJ feels topsoil segregation would be critical to revegetation success because topsoil is so limited and subsoils have properties which could hinder restoration.

4.4 TREE & SHRUB REPLACEMENT

KLJ confirmed that trees and shrubs were replaced and/or being planted as described in BakkenLink's Tree and Shrub Mitigation Plan. **(See Appendix B).** BakkenLink has confirmed that they are working with the McKenzie County Soil Conservation District as they are the experts regarding tree plantings. As of today, BakkenLink has planted trees/shrubs landowners' have requested. BakkenLink still have trees/shrubs to plant and are working with the Beulah park district, USACE, and the Watford City medical facility to identify their need as well as identify trees/shrubs that BakkenLink would like to plant on GNM sites. In Billings County, BakkenLink will continue to work with Billings County Soil Conservation District for a 2016 planting for landowners as well as at the NDL Rail Terminal. Tree/shrub planting will continure until BakkenLink fulfills their requirements for planting. KLJ recommends that the PSC require BakkenLink to obtain records to demonstrate the tree planting has been installed and survival is satisfactory thus far. All plantings still require survival monitoring for three years following planting for fulfillment of the Order.

4.5 SETBACK FOR NEW RESIDENCES

Since construction of the pipeline, there were no occupied residences within the 500 foot setback from Project infrastructure. KLJ verified that at the time of pipeline construction from BakkenLink and the fly over inspection.

4.6 PIPELINE DEPTH

Because no waiver is included in the PSC files or discussed in the Order for the Project, KLJ assumes the required depth of 48 inches, and 72 inches in undeveloped section lines. For cultivated land, 48 inches, for range land, 48 inches. Additionally, US Forest Service Stipulations, as part of the approved Special Use Permit for the portion of the pipeline on National Grasslands, stated pipeline depth be a minimum 48 inches and under stream and creek crossings 96 inches (8 ft.) was followed.

However; KLJ recommends the PSC obtain written verification of the as-built depth of the pipeline along the entire route for their records.

4.7 FENCE LINE DEBRIS

Though a very minor issue, there was no noticed loose pieces of fenceline or debris along along the right of way during fly over inspection. KLJ suggest the BakkenLink clarify all debris was removed from the right of way pipeline route after construction completion.

4.8 TIMING RESTRICTIONS

BakkenLink anticipated receiving necessary pre-construction permits and approvals, acquiring the necessary right of way access and finalizing other agreements no later than 2012, with completion in 2013. It is unclear if this schedule did or would have overlapped timing restrictions for the golden eagle nests and sharp-tail grouse leks in the vicinity of the portion of the Project on National Grasslands. However; it is possible pipeline construction within the National Grasslands was completed before the start of the timing restrictions. This should be confirmed and clarified with BakkenLink to prevent future oversights in this regulation.

4.9 AS-BUILTS

As-built drawings were submitted by Barlett & West, engineers, Bismarck, ND as indicated by BakkenLink, to the PSC, as required by the Order. KLJ recommends the PSC request that the "as built" drawings are clear and a legible copy for their records. Also it is recommended by KLJ, that all documentation has been submitted by BakkenLink or Barlett & West to complete the Order that the PSC requests, and will show the Project has been completed.

5.0 Conclusion

Overall, the Project appeared to have been constructed as designed with minimal impacts to the surrounding natural or human environment. The Project site has been regularly maintained and in satisfactory condition overall. KLJ observed from the 3rd and final fly over inspection the Project, in KLJ's observation can be considered complete and in full compliance. This includes, in no order of importance, no erosion or sediment runoff was noted within pipeline right of way. The review of topsoil segregation procedures appeared normal.

The possibility of a follow-up on reclamation work and reseeding along the right of way may have to be continued. Confirmation of the McKenzie and Billings Counties tree plantings are continuing and the tree/shrub survival monitoring along with provisions of written documentation for particular aspects of project implementation continue.

No other issues were addressed other than the verification that no setback of occupied homes are within 500 feet were have been added after construction of the pipeline, along entire route. Provide verification of the as-built depth of the pipeline along entire route is known. Clarification has been provide on construction timing restrictions on the National Grasslands, and the submission of a clear, legible copy of the "As Built" drawings has been submitted to the PSC. These issues should be reviewed by the PSC to determine what BakkenLink should comply with, if any.

It should also be known and noted that all BakkenLink representatives were very easy to work with during the construction inspection process. They were fully transparent and answered any and all question KLJ had during and after the three inspections.

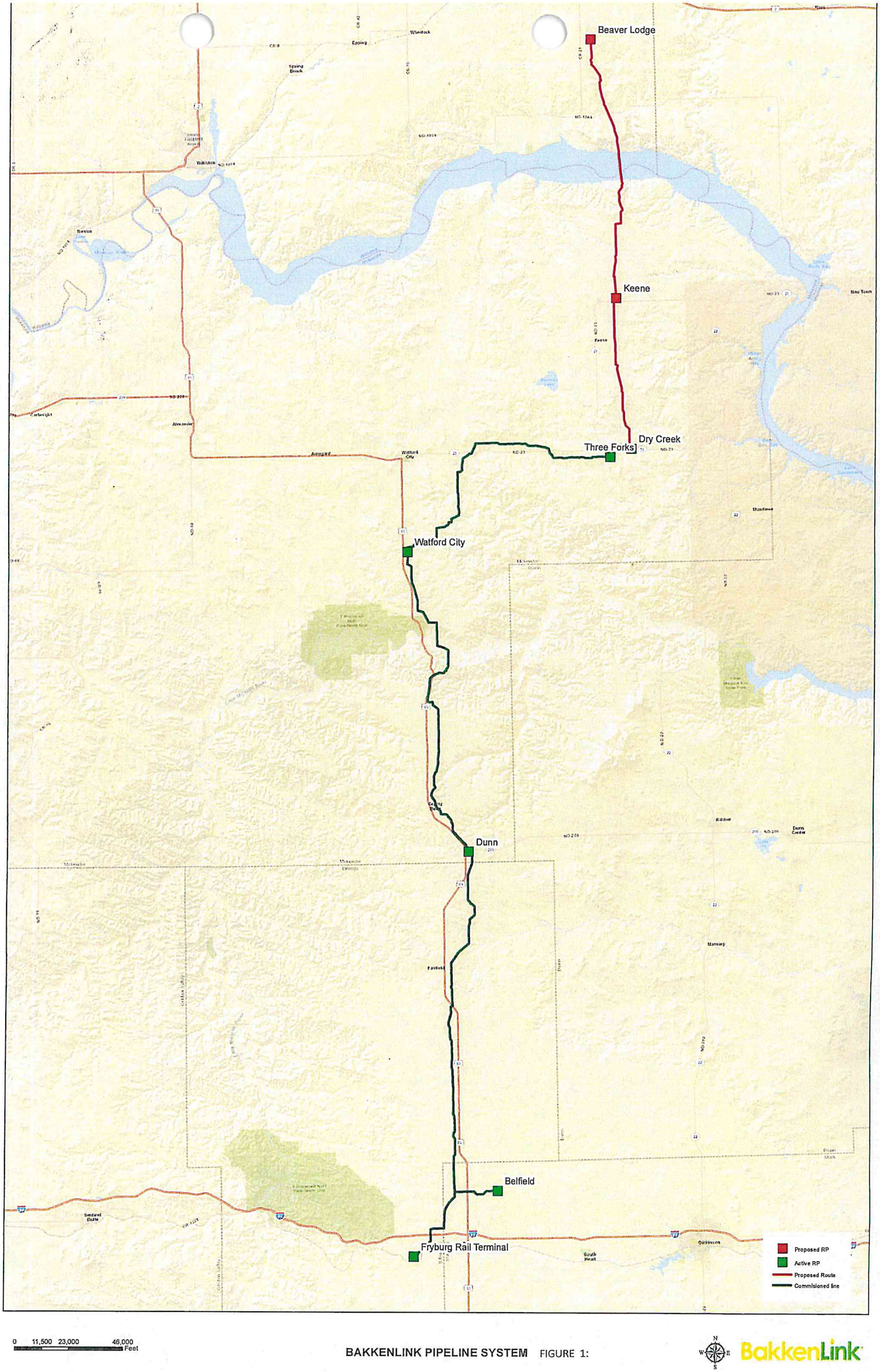
6.0 References

Wiedenmeyer, Chad. Great Northern Midstream LLC, BakkenLink Pipeline LLC, 2101 46th Ave SE, Suite 2, Mandan, North Dakota. Company Supervisor/Pipeline Engineer. Personal Communication: Discussion before and after pipeline site and fly over inspection.

Brandenburg, Casey. Great Northern Midstream LLC, BakkenLink Pipeline LLC, 2101 46th Ave SE, Suite 2, Mandan, North Dakota. Company Engineering Manager. Personal Communication: Discussions during and after pipeline site helicopter fly over inspection.

Emineth, LaDonna. Great Northern Midstream LLC, BakkenLink Pipeline LLC, 2101 46th Ave SE, Suite 2, Mandan, North Dakota. Company Tree/Shrub Planting Coordinator Personal Communication: Discussions during and after pipeline costruction for trees and shrub planting coordination.

Figures



BAKKENLINK PIPELINE SYSTEM FIGURE 1:

BakkenLink

Appendix A

Photo 1.

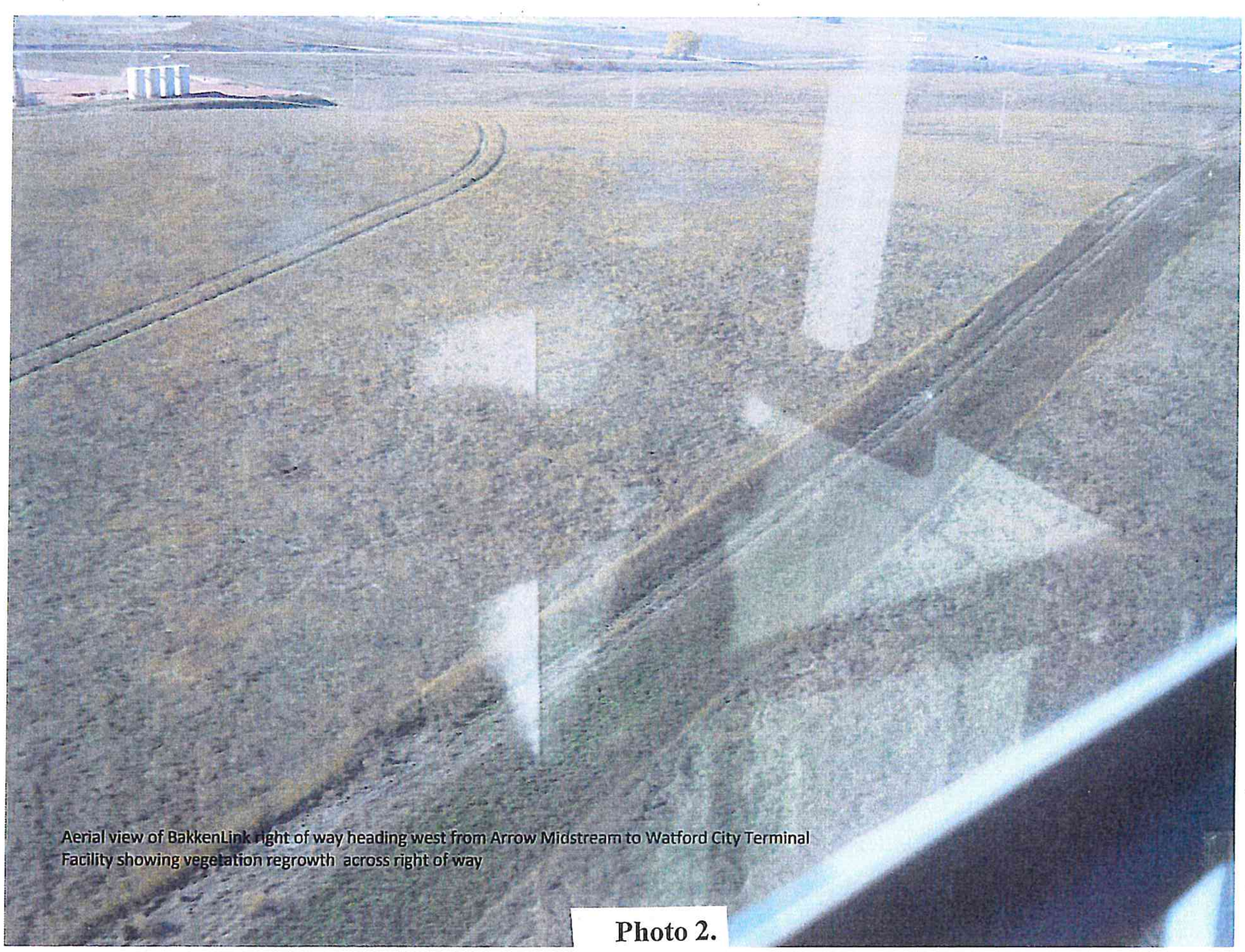


Photo 2.

Photo 3.

Photo 4.

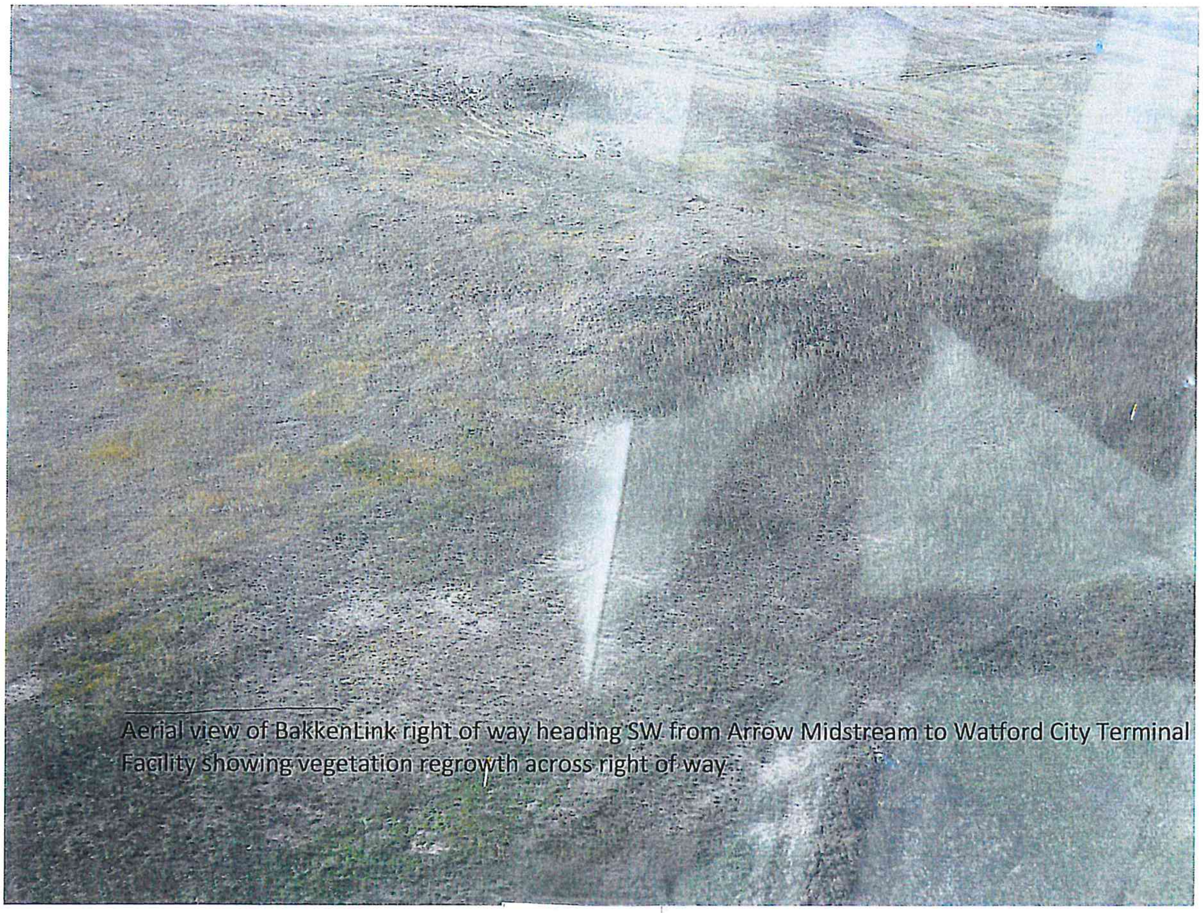


Photo 5.

Photo 6.

Aerial view of BakkenLink right of way heading south to Watford City Terminal Facility showing vegetation regrowth across right of way

Photo 7.

Aerial view of BakkenLink right of way heading south to Watford City Terminal Facility showing vegetation regrowth across right of way

Photo 8.

Aerial view of BakkenLink right of way (shown on lower right side of photo) heading south to Watford City Terminal Facility showing vegetation regrowth across right of way. Rigth of way shown at upper left corner of photo with no vegetation regrowth by other oil company

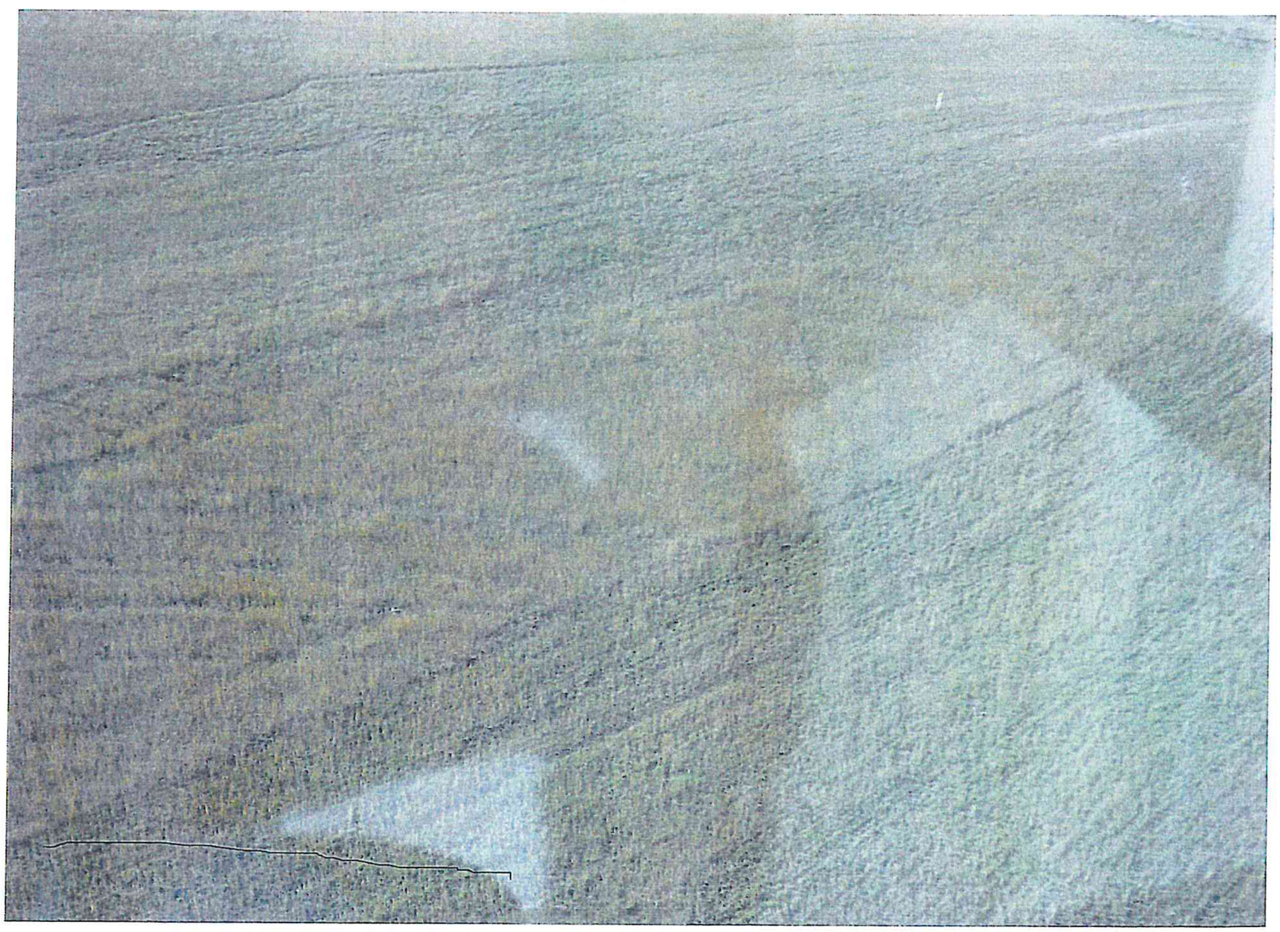
Photo 9.

Aerial view of BakkenLink right of way heading south/southwest from Arrow Midstream to Watford City Terminal Facility showing vegetation regrowth across right of way

Photo 10.

Aerial view view of BakkenLink right of way heading south to Watford City Terminal Facility showing vegetation regrowth across right of way

Photo 11.



Aerial view of BakkenLink right of way heading south to Watford City Terminal Facility
SHOWING VEGETATION REGROWTH ACROSS RIGHT OF WAY

Photo 12

Aerial view of BakkenLink right of way extending up hill heading south to Watford City Terminal Facility showing vegetation regrowth across right of way. Watford City Terminal Facility is shown beyond at top of photo

Photo 13.

Aerial view of BakkenLink right of way heading south/southwest to Watford City Teminal Facility showing vegetation regrowth across right of way

Photo 14.

Aerial view of BakkenLink right of way heading south past Watford City Teminal Facility extending parallel with power line, showing vegetation regrowth thru draw and tree brush

Photo 15.

Aerial View of BakkenLink right of way heading south from Watford City Terminal Facility showing vegetation regrowth across right of way

Photo 16.

Aerial view of BakkenLink right of way heading south from Watford City Teminal Facility showing above ground main valve #6 located along Lone Butte Roadway

Photo 17.

Aerial view of BakkenLink right of way heading south from Watford City Terminal Facility showing above ground main valve # 5. Graded right of way shown top of photo by other oil company

Photo 18.

Aerial view of BakkenLink right of way heading south from Watford City Terminal Facility to Dunn Terminal Facility showing vegetation regrowth across right of way along rugged shallow trees and brush thru ravines and coulees

Photo 19.

Aerial view of BakkenLink right of way heading south to Dunn Terminal Facility showing vegetation regrowth across right of way

Photo 20.

Aerial view of above ground main valve # 6 along county road way. Right of way extends south to Dunn Terminal Facility

Photo 21.

Aerial view of BakkenLink right of way heading south from Watford Ciry Terminal Facility to Dunn Terminal Facility extending thru tree lined right of way showing straw wattles (BMP) for erosion control along edge of right of way for vegetation regrowth

Photo 22.

Aerial view of BakkenLink right of way heading south towards Dunn Terminal Facility thru tree lined right of way showing vegetation regrowth across right of way

Photo 23.

Aerial view of BakkenLink right of way heading south from Watford City Terminal Facility turning southwest and extending towards Dunn Terminal Facility showing vegetation regrowth across right of way

Photo 24.

Aerial view of BakkenLink right of way heading south to Dunn Terminal Facility thru tree lined right of way and rugged draws showing vegetation regrowth across right of way

Photo 25.

Aerial view of Dunn Terminal Facility yard looking from the north

Photo 26.

Aerial view of BakkenLink right of way extending south from Dunn Terminal Facility showing vegetation regrowth across right of way

Photo 27.

Aerial view of BakkenLink right of way heading south/southwest from Dunn Terminal Facility showing vegetation regrowth across right of way

Photo 28.

Aerial view of BakkenLink right of way heading south showing vegetation regrowth across right of way. Right of way extends across creek bed

Photo 29.

Aerial view of BakkenLink right of way extending south from Dunn Terminal Facility showing vegetation regrowth across right of way

Photo 30.

Aerial view of BakkenLink right of way heading south showing vegetation regrowth across right of way

Photo 31.

Aerial view of BakkenLink right of way heading south from Dunn Terminal Facility showing vegetation regrowth across right of way thru rugged tree line terrain

Photo 32.

Aerial verw of BakkenLink right of way heading south from Dunn Terminal Facility showing vegetation regrowth across right of way

Photo 33.

Aerial view of BakkenLink right of way heading south showing vegetation regrowth across right of way

Photo 34.

Aerial view of BakkenLink right of way heading south showing vegetation regrowth across right of way

Photo 35.

Aerial view of BakkenLink right of way heading south across roadway showing vegetation regrowth across right of way

Photo 36.

Aerial view of BakkenLink right of way heading south showing vegetation regrowth across right of way

Photo 37.

Aerial view of BakkenLink right of way heading south showing vegetation regrowth across right of way

Photo 38.

Aerial view of BakkenLink right of way showing right of way with vegetation regrowth and above ground main valve #8 along county road

Photo 39.

Aerial view of BakkenLink right of way showing above ground main valve #10

Photo 40.

Aerial view of BakkenLink right of way heading south showing vegetation regrowth across right of way

Photo 41.

Aerial view of BakkenLink right of way heading south/southwest showing vegetation regrowth across right of way

Photo 42.

Aerial View of BakkenLink right of way lateral line heading east to valve set north of Belfield, ND

Photo 43.

Aerial view of BakkenLink right of way lateral line heading east to valve set showing vegetation regrowth across right of way north of Belfield, ND

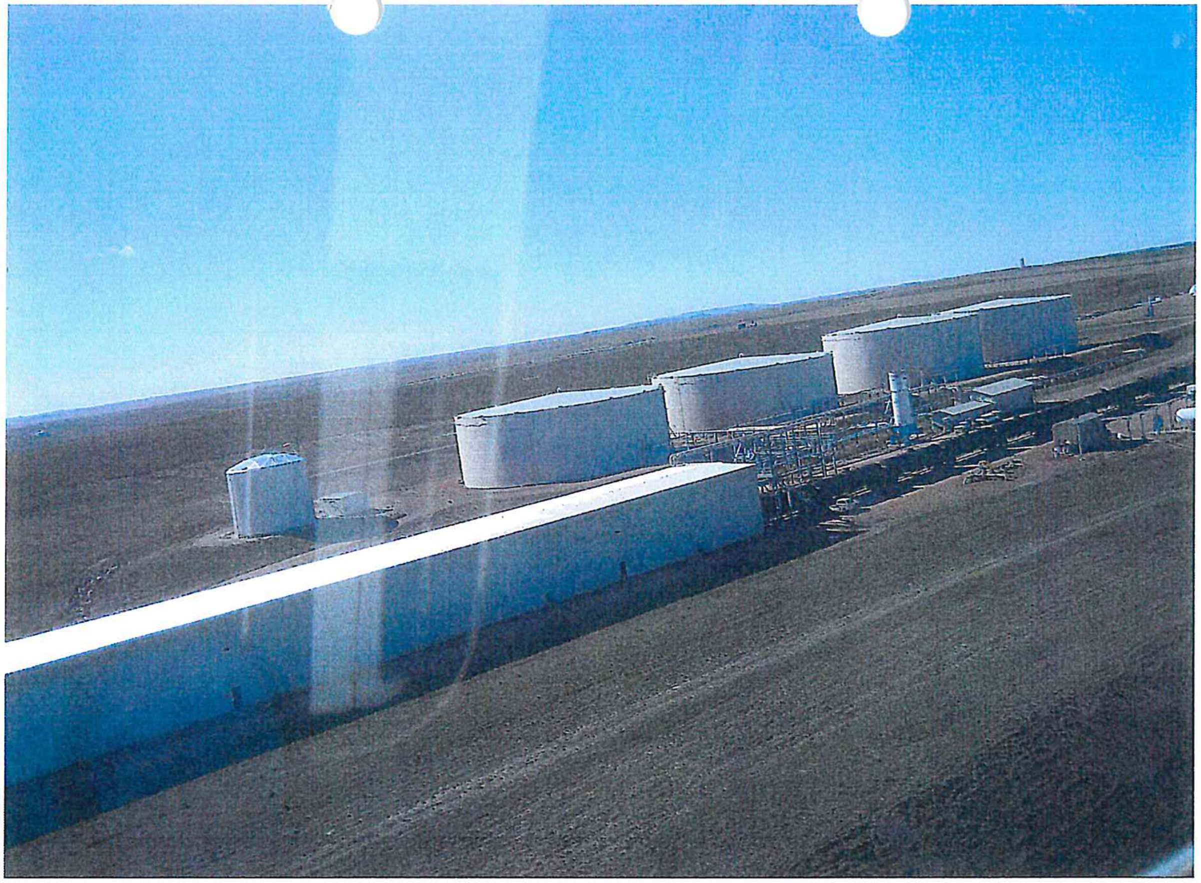
Photo 44.

Aerial view of BakkenLink right of way heading south over hillsiides with waterways showing vegetation regrowth across right of way

Photo 45.

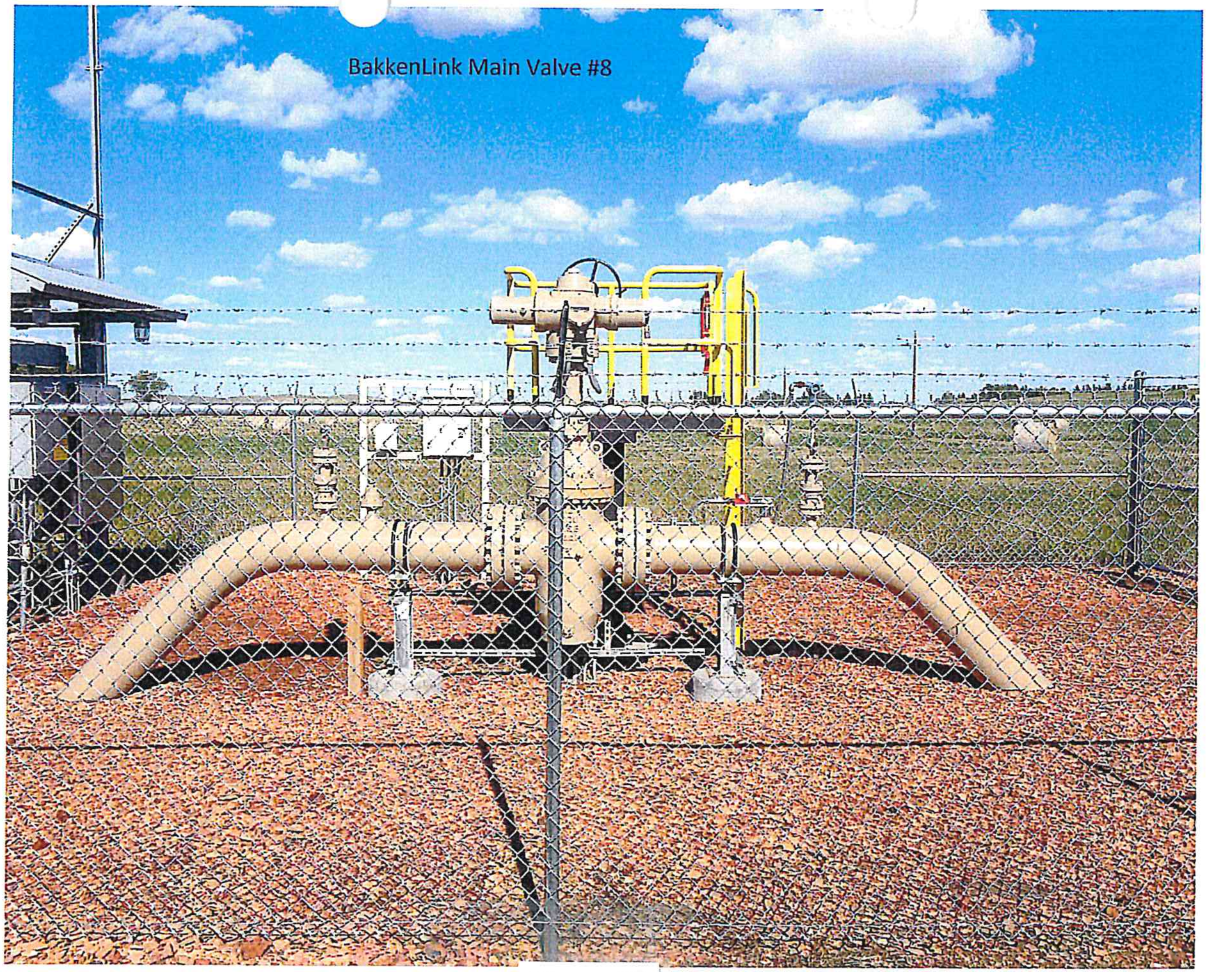
Aerial view of BakkenLink right of way heading south to end of line at Fryberg Railroad Facility showing vegetation regrowth across right of way

Photo 46.



Aerial view of BakkenLink right of way showing railroad load out facility and storage tanks at Fryberg

Photo 47.



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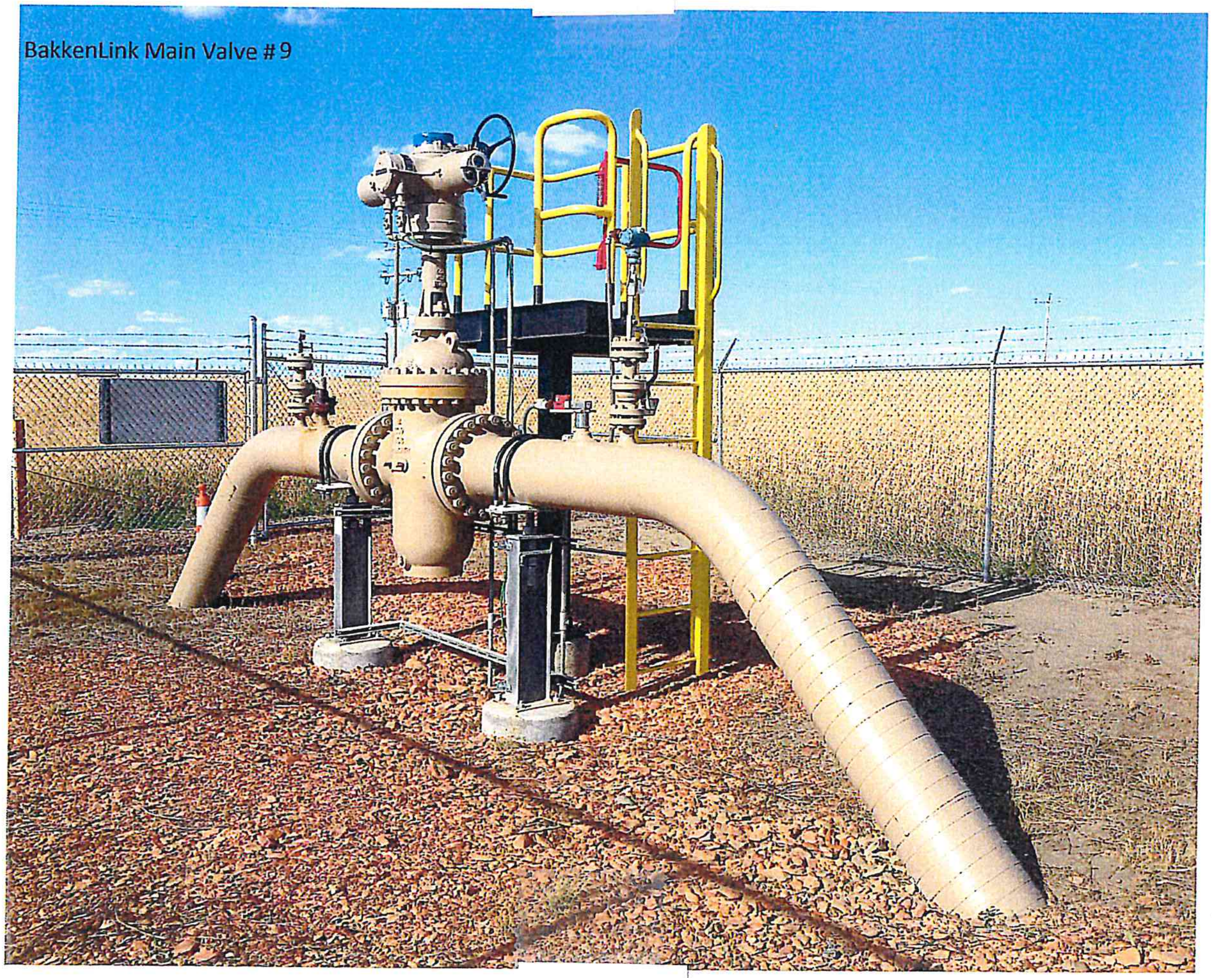

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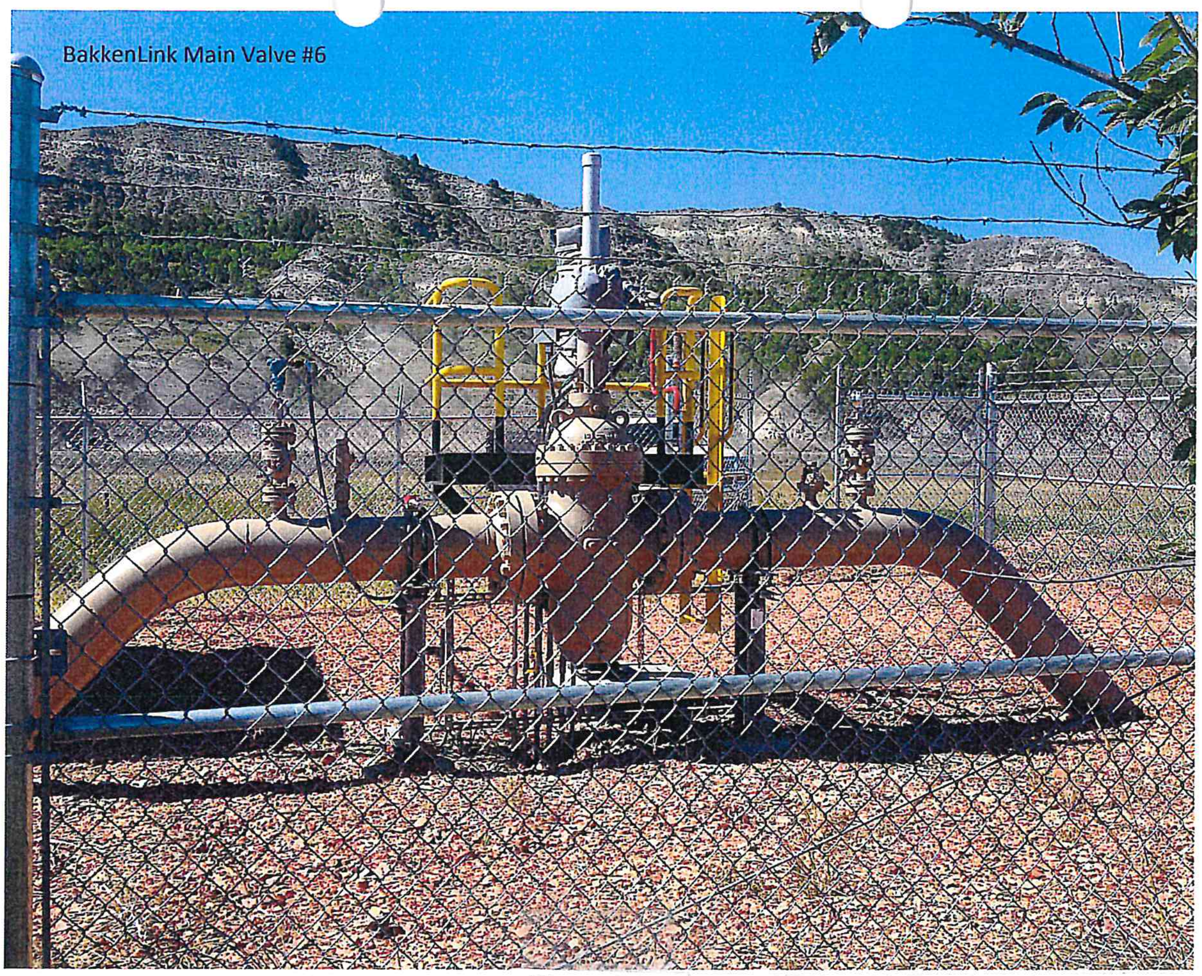

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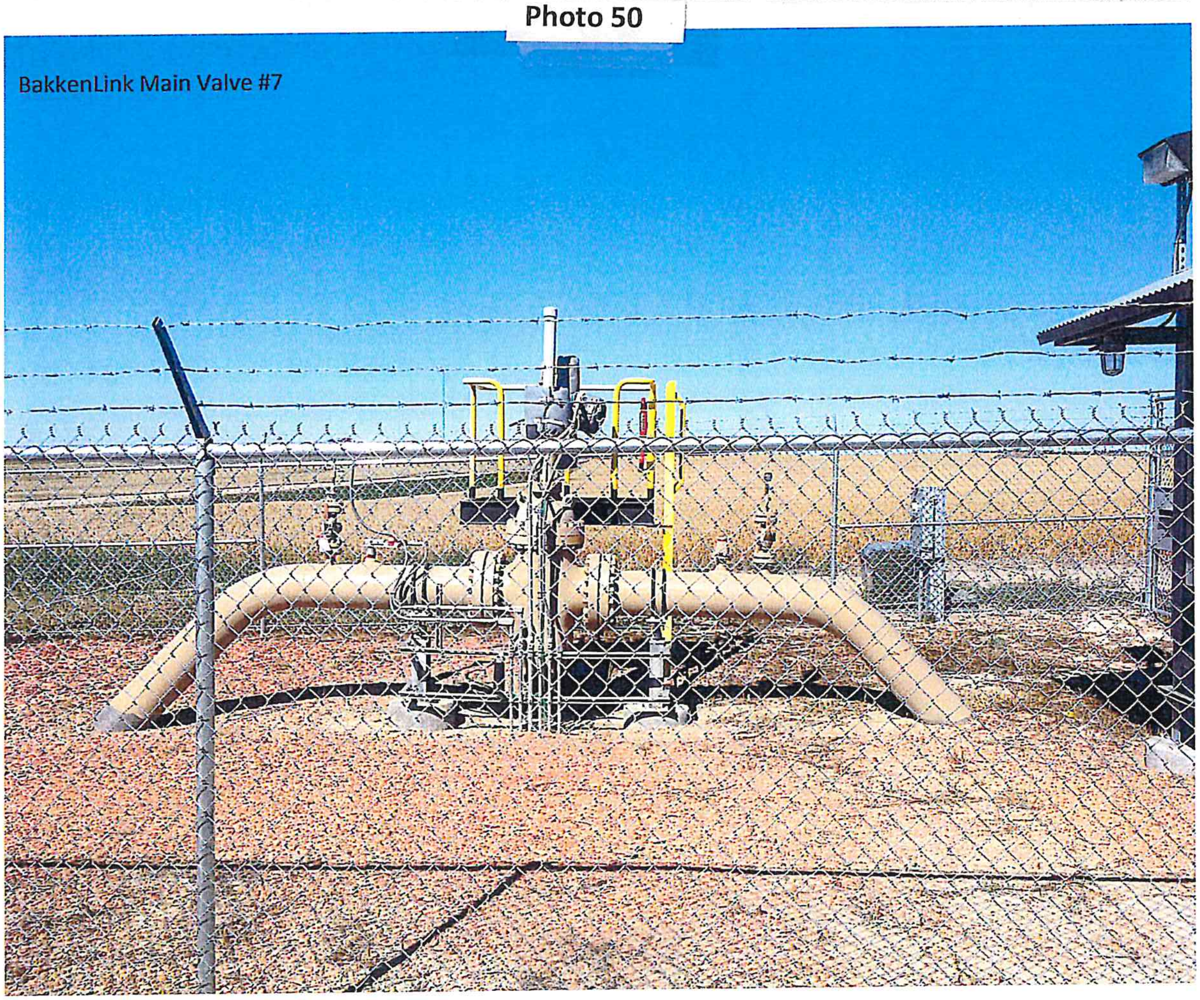

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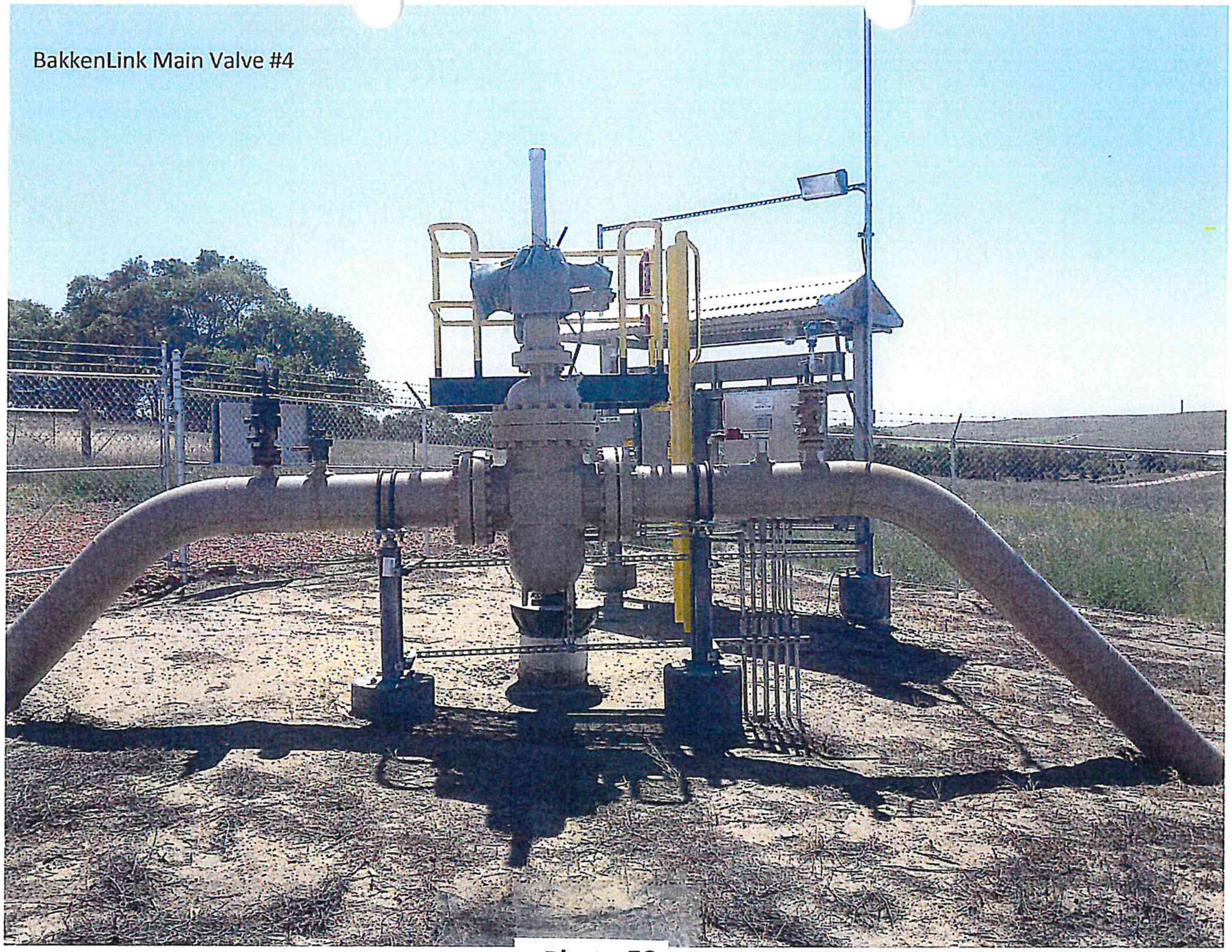

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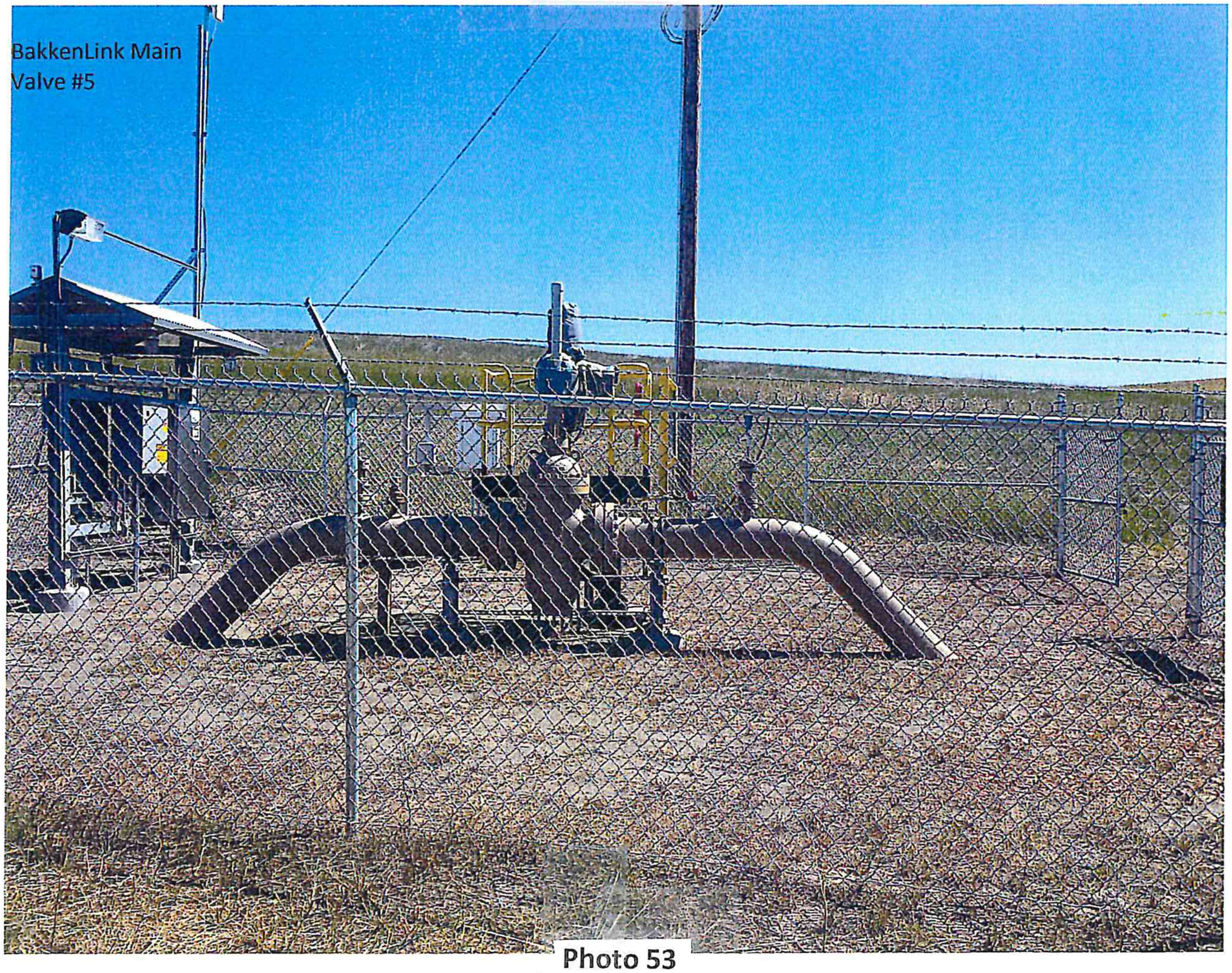

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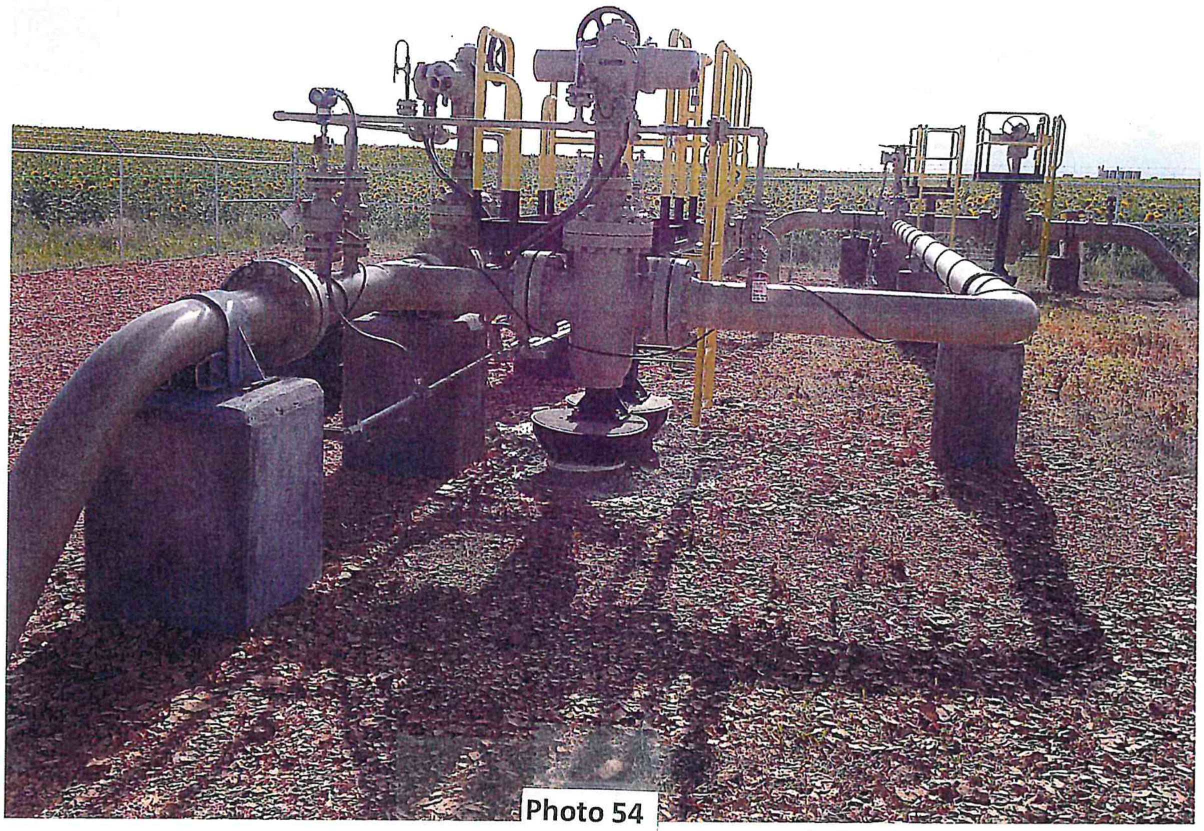


Photo 54

Belfield Interconnect - Main Valve # 10

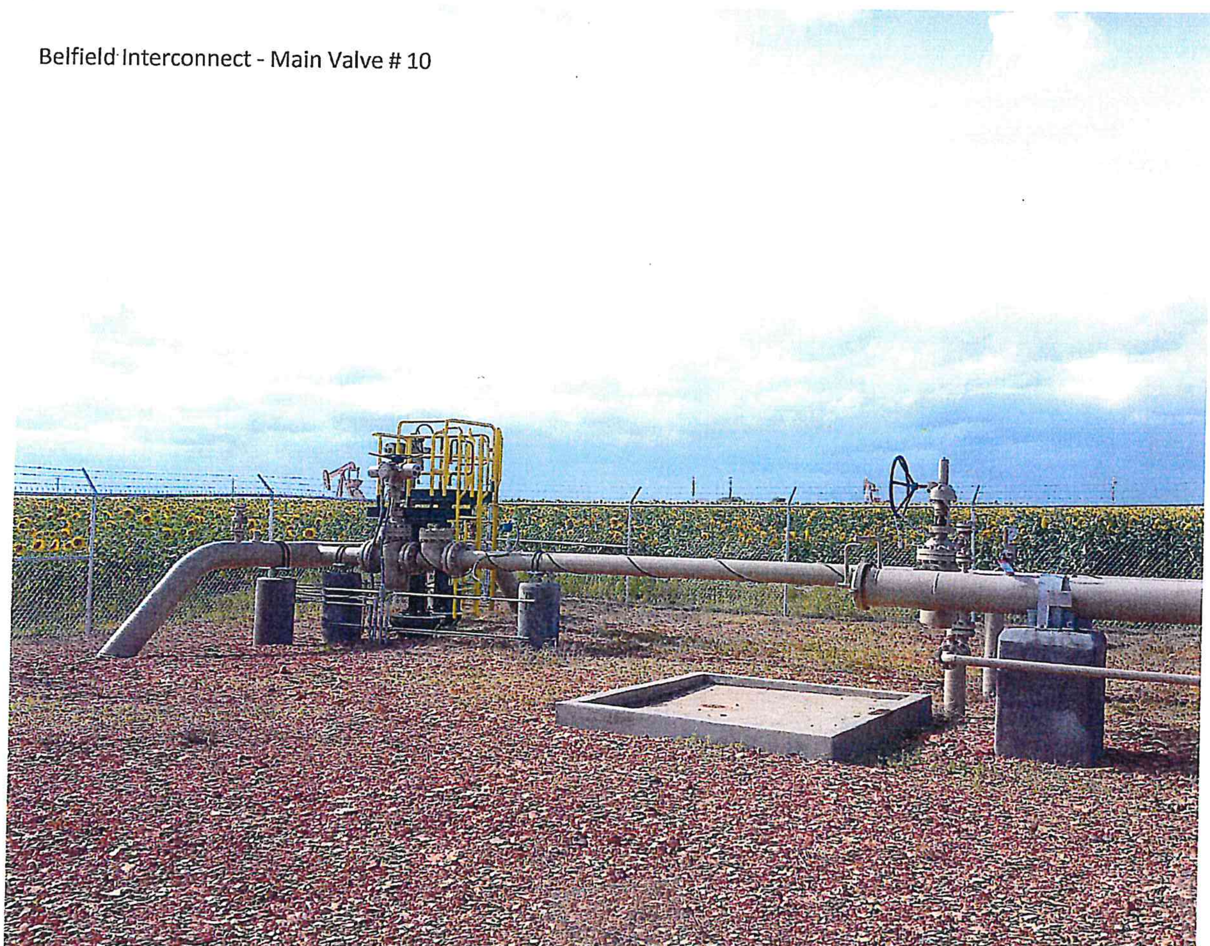


Photo 55

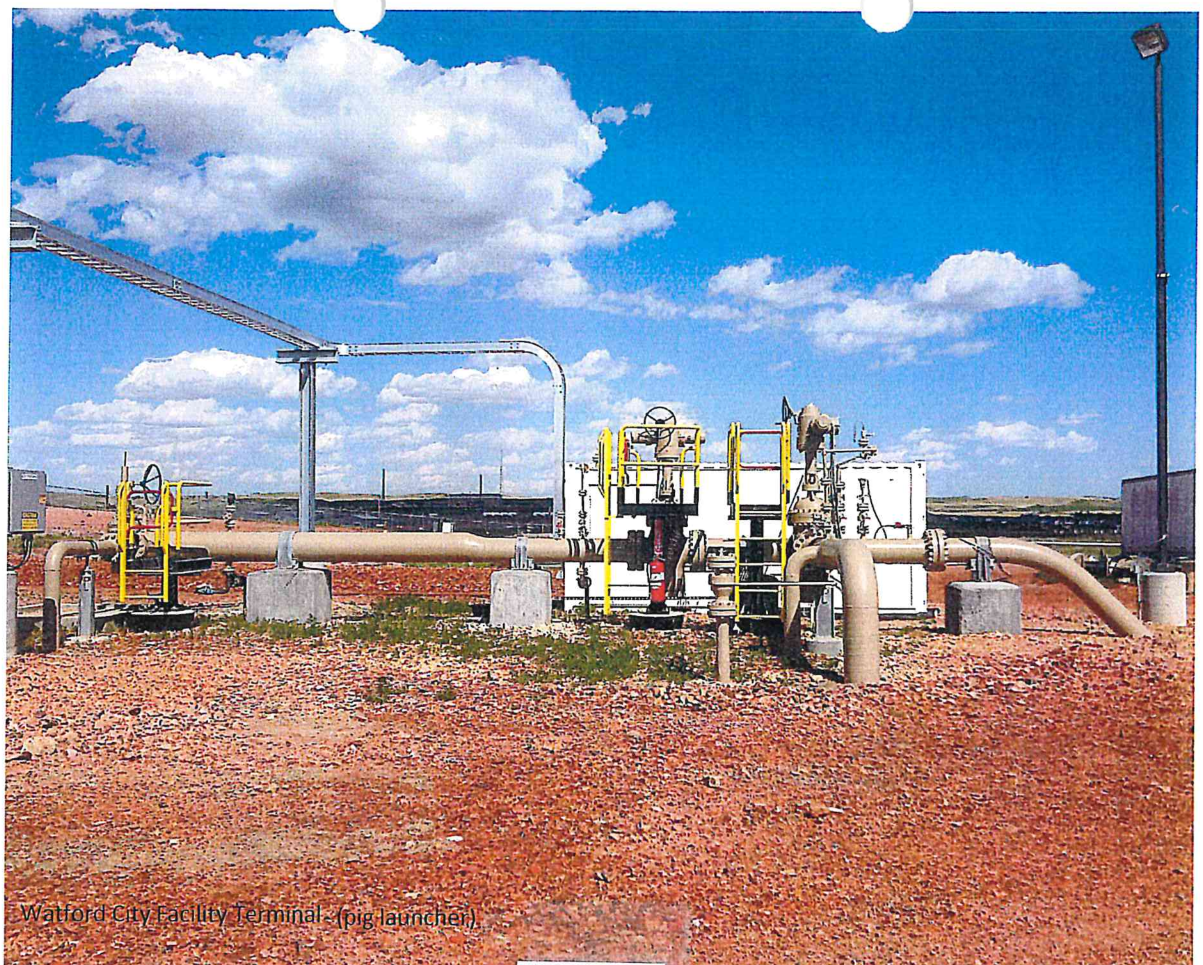


Photo 56

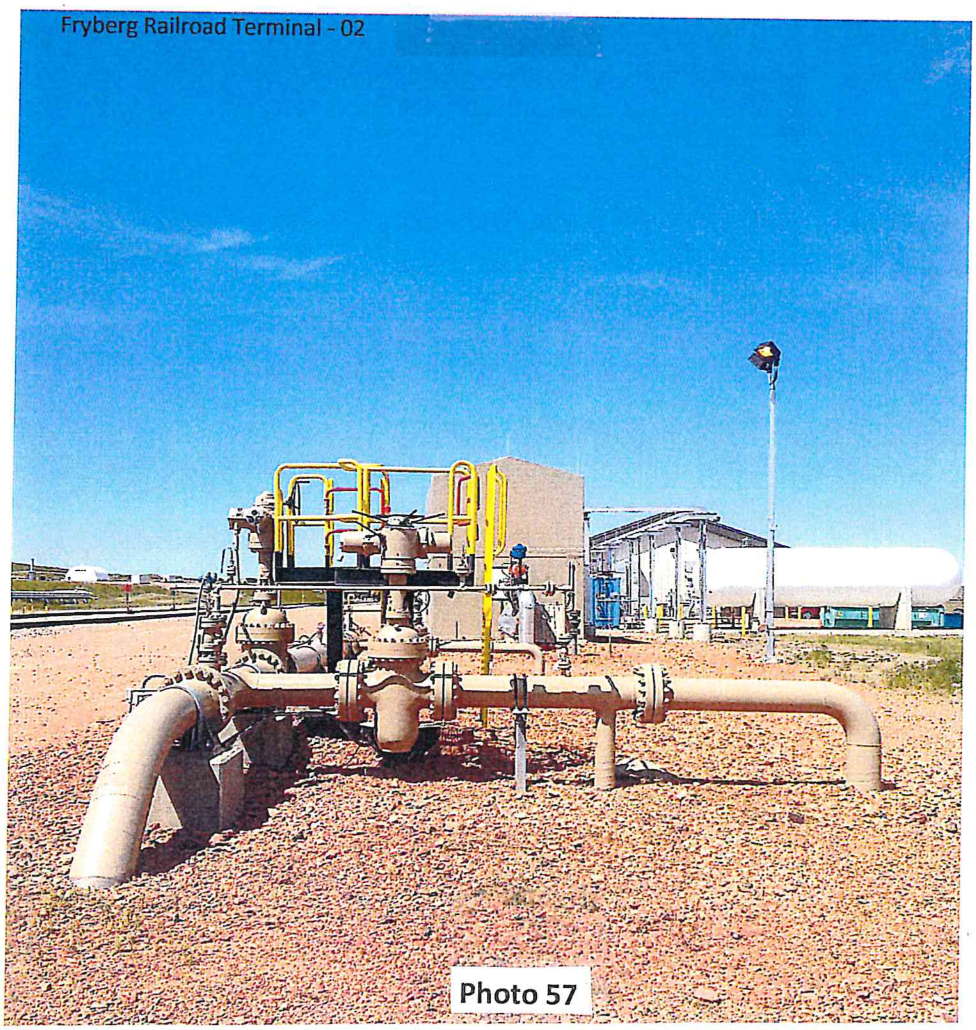


Photo 57

Whiting - 03 Valve Set

Photo 58

Watford City Facility Terminal - 10 (pig receiver)

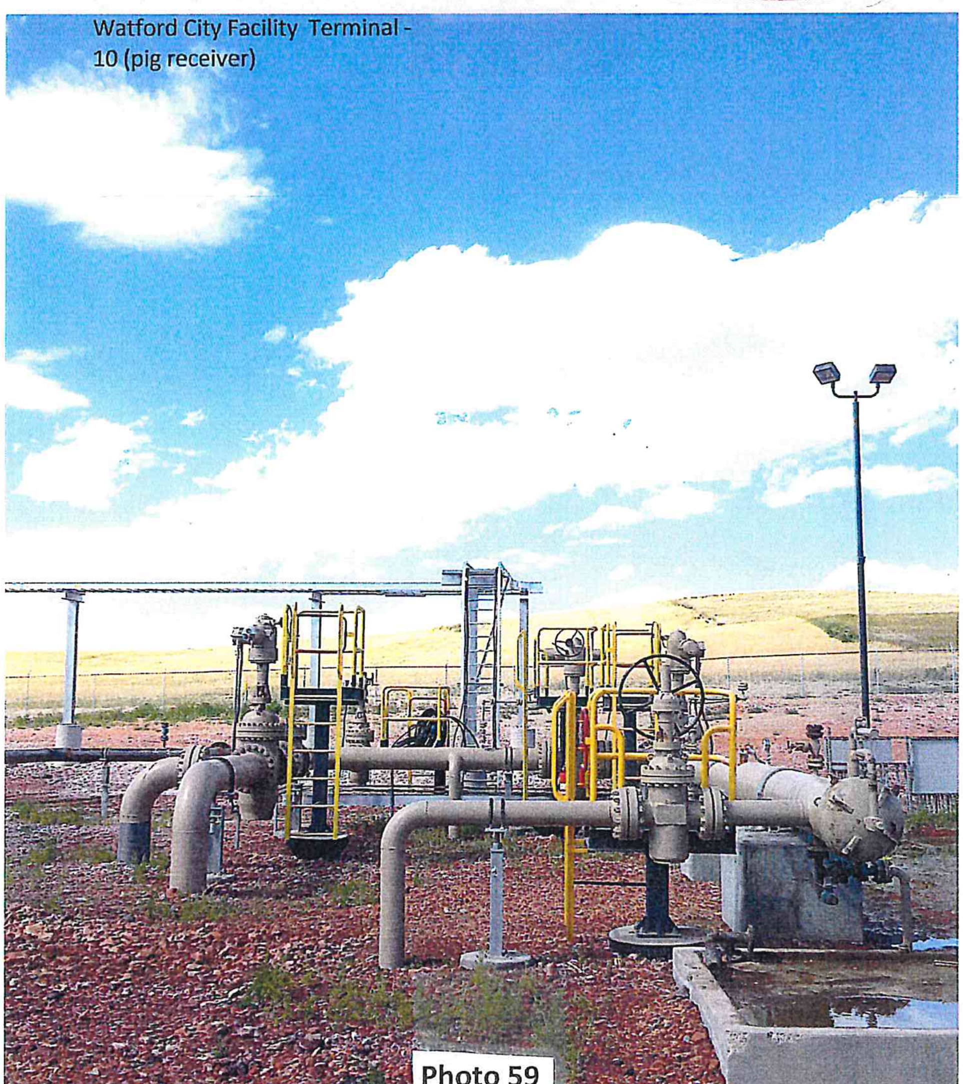


Photo 59

Appendix B

BakkenLink Right of Way Grass Reseeding Documentation

ScoutDoc

Date
September 18, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Redmond

Field

Size

Crop

Growth Stage

Population

Height

Comments

The north part of this tract is cropland. Some of it was seeded and harvested, and some of it was never seeded. There is some rutting, by the black X's. There is a significant amount of dirt work still taking place here. The part of the pipeline between the white lines is weedy and a bit thin yet. I would keep it mowed, and see if it fills in.

Actions

Mow the area in the black circle, and keep the area between the white lines mowed. The rest will have to be taken care of when the dirt work is finished.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 1 RESEEDING From FRYBERG

ScoutDoc

Date

September 18, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Redmond/Reis

Field

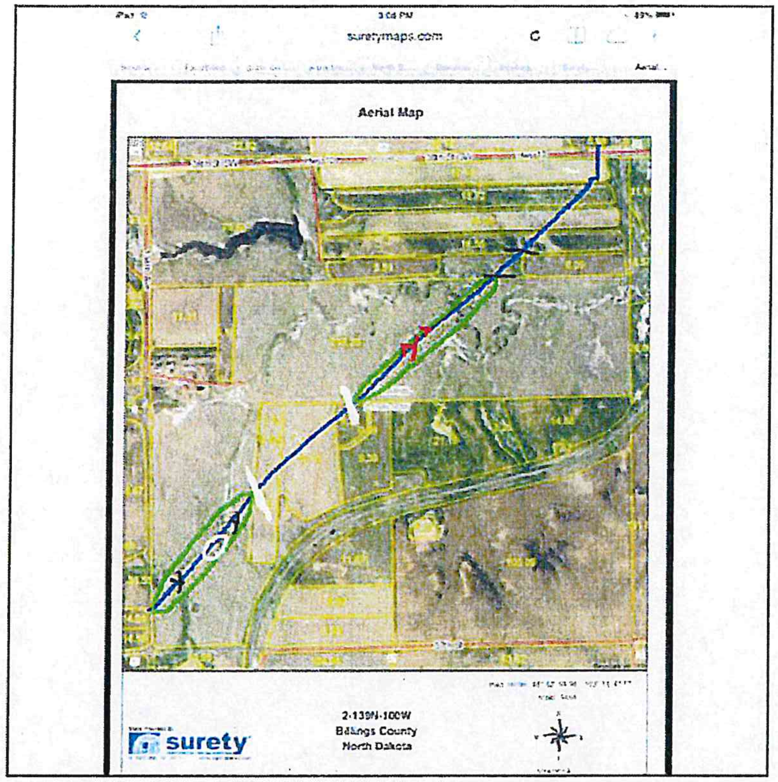
Size

Crop

Growth Stage

Population

Height



Comments

The alfalfa looks good on the Redmond land. There are some weeds that should be mowed, between the two black lines. Reis' pasture land has all been grazed down pretty hard. The areas that are weedy and thin are marked in green. They will need to be reseeded. There are also some ruts, marked with black X's, that will need to be leveled. The white circle is a very wet spot. There are also some thistles, marked in red, that will need to be sprayed. The area between the two white lines is sprayed out cropland and hay ground. The alfalfa here looks pretty good.

Actions

The area between the black lines just needs to be mowed. The ruts, marked by black X's, need to be leveled. The green areas will need to be reseeded. The thistles will also need to be sprayed.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 18, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Redmond

Field

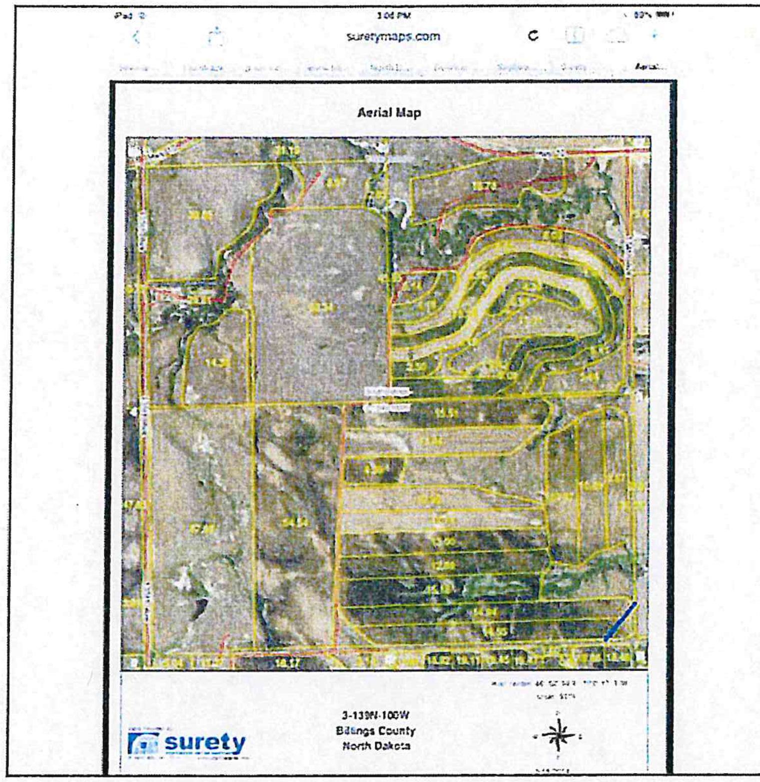
Size

Crop

Growth Stage

Population

Height



Comments

The pipeline just cuts through a corner of cropland that has been harvested.

Actions

None at this time.

Right of WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 18, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Kessel/Reis

Field

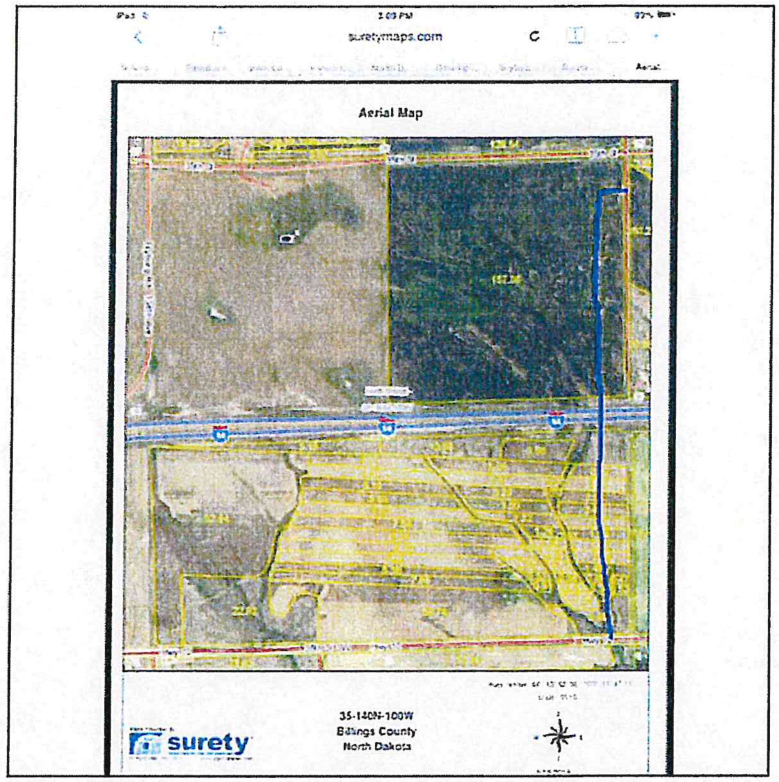
Size

Crop

Growth Stage

Population

Height



Comments

I checked the portion north of I-94 on Tuesday. It is cropland with standing crop, and is okay. The area south of I-94 is a mix of hay ground and sprayed out cropland. The alfalfa is coming in all of it. The pipeline ROW here looks better than the ground adjacent to it, and is okay.

Actions

None at this time.

Right of way Assessment map
SHOWING LEG 1 RESEEDING From FRYBERG

ScoutDoc

Date

September 16, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Kessel

Field

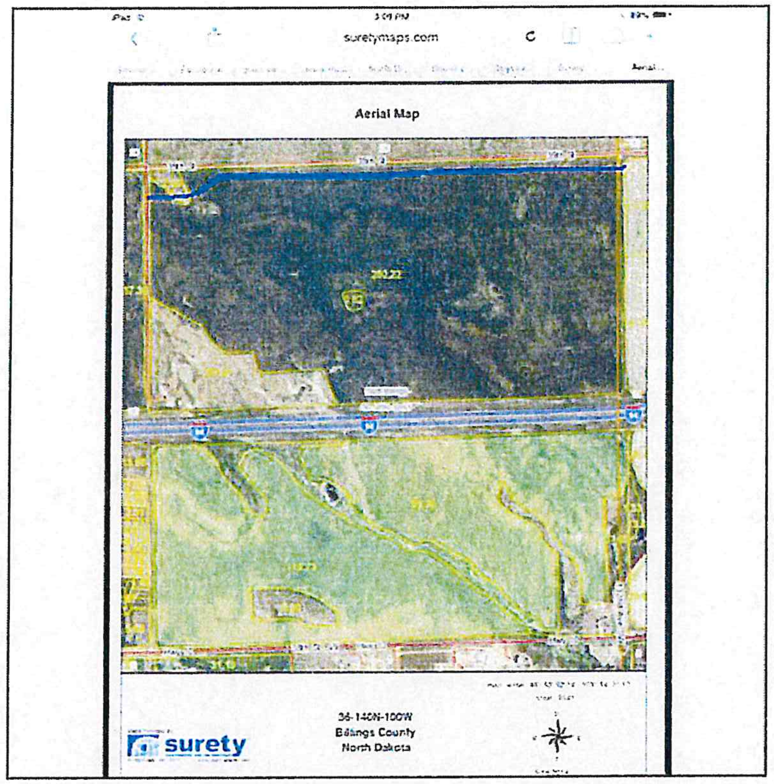
Size

Crop

Growth Stage

Population

Height



Comments

This portion of the pipeline has standing crop, and is okay.

Actions

None at this time.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 16, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Bock

Field

Size

Crop

Growth Stage

Population

Height

Comments
This portion of the pipeline just cuts through a little of the NW 1/4. This is harvested cropland, and is okay.

Actions
None at this time.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 16, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Talkington

Field

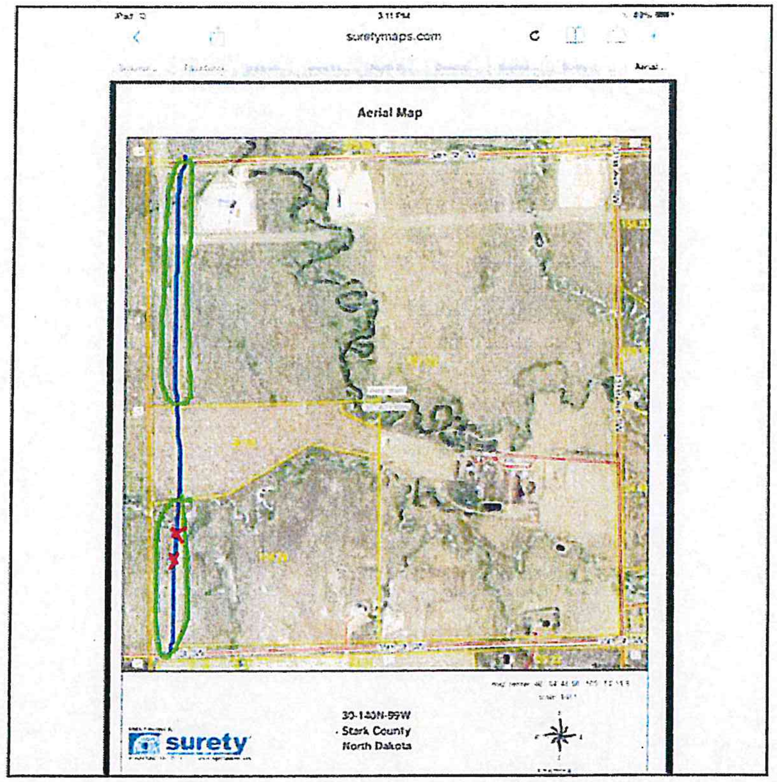
Size

Crop

Growth Stage

Population

Height



Comments

The NW 1/4 is weedy, and is pretty thin. This area should be reseeded. The alfalfa in the SW 1/4 is good, and should be left alone. The pasture in the SW 1/4 is very thin. A little alfalfa came in, but almost no grasses. I would recommend just seeding the grass portion of the mix here. There are also some thistles, marked with red X's, to be sprayed.

Actions

Reseed the pasture ground in the NW and SW 1/4's, and spray the thistles in the SW 1/4.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING FROM FRYBERGS

ScoutDoc

Date
September 16, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Koch

Field

Size

Crop

Growth Stage

Population

Height

Comments

The north portion of this tract is in cropland, and is okay. The south portion has been grazed, and is very weedy and thin. This area is circled in green, and will need to be reseeded. There is some settling between the two black lines. The white area is an alkali patch. The red X's indicate thistles that will need to be sprayed.

Actions

The trench will need to be filled in, and the area in green reseeded. The thistles will need to be sprayed.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING From FRYBERG

ScoutDoc

Date

September 16, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Mastel/Frank

Field

Size

Crop

Growth Stage

Population

Height

Comments

The NE 1/4 is in cropland, and is okay. The SE 1/4 is very weedy and thin, except where it was bored. This area, marked in green, will need to be reseeded. There is also some thistle to spray here, marked with red X's.

Actions

Reseed the circled areas, and spray the thistles.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 16, 2014

Visit

1

Reported by

Tom Irwin

Grower

BakkenLink

Farm

Obrigewitch

Field

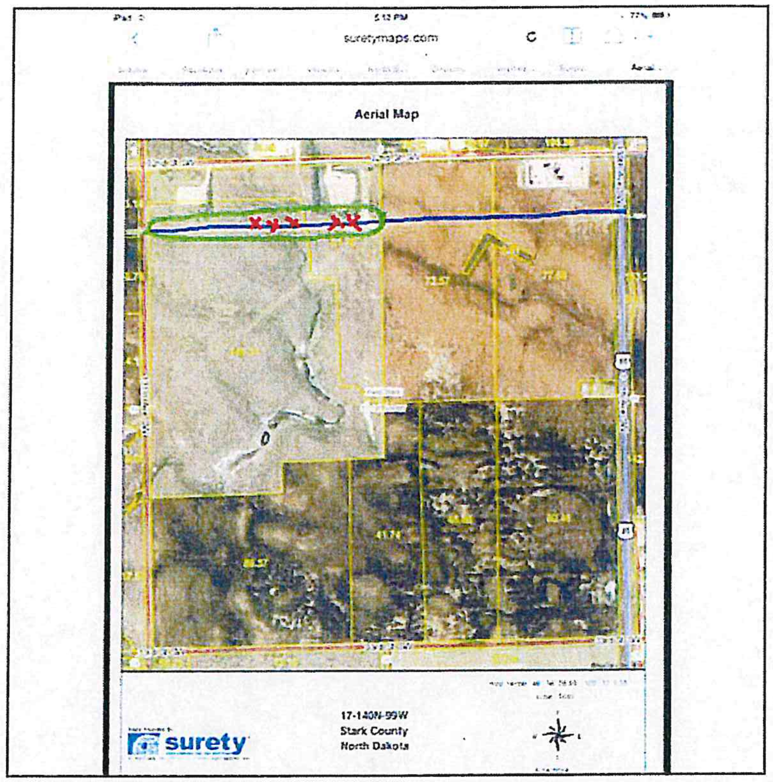
Size

Crop

Growth Stage

Population

Height



Comments

The pasture in the NW 1/4 is being grazed. It is thin and weedy. It should be reseeded. There is some Canada thistle here that will need to be sprayed. The NE 1/4 is harvested cropland, and is okay.

Actions

Reseed the NW 1/4, and spray the thistles.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 16, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Frank

Field

Size

Crop

Growth Stage

Population

Height

Comments
This tract is cropland that has been chem fallowed. There is some ridging and settling going on here. It is significant enough, it should be addressed.

Actions
Level the ridging/settling.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 16, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Frank

Field

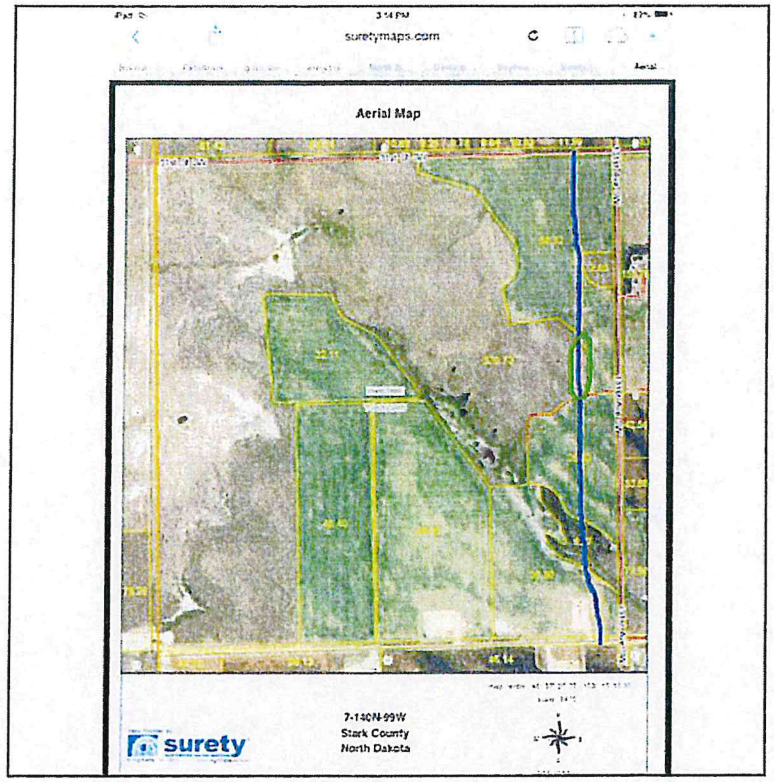
Size

Crop

Growth Stage

Population

Height



Comments
The small portion of this tract that runs through the pasture, marked in green, weedy with a lot of bare patches. This area should be mowed and reseeded. The rest of this tract looks good.

Actions
Mow and reseed the area marked in green.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 16, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Safratowich/Braun/Hecker

Field

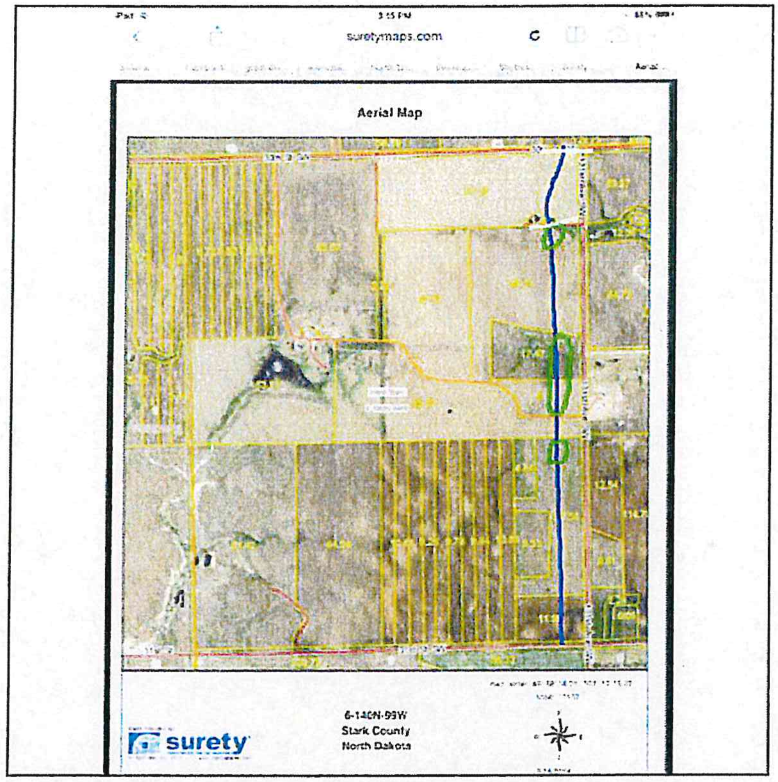
Size

Crop

Growth Stage

Population

Height



Comments

The Safratowich ground, between the white lines, is a little thin, but should be okay. There are three areas on this section, marked in green, that are weedy and a bit thin. They will need to be mowed and reseeded. The rest of this section looks good.

Actions

Mow and possibly reseed the areas marked in green.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 16, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Grosaluk/Safratowich

Field

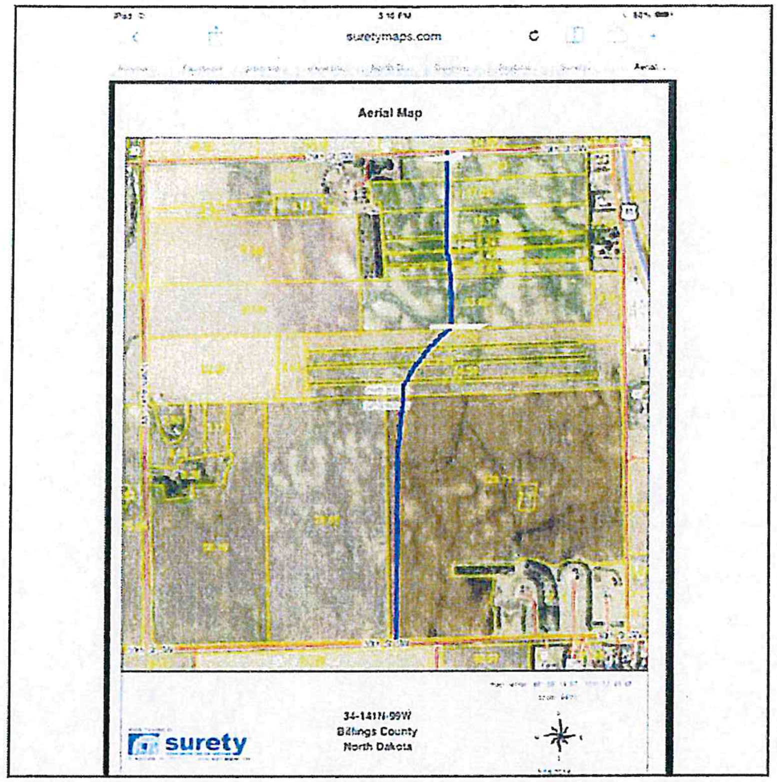
Size

Crop

Growth Stage

Population

Height



Comments
The Grosaluk land, between the two white lines, has been tilled and is okay. The rest of this tract is in hay or cropland and is okay.

Actions
None at this time.

RIGHT of WAY Assessment MAP SHOWING
LEG 1 RESEEDING From FRY BERG

ScoutDoc

Date

September 16, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Hartman/Burian

Field

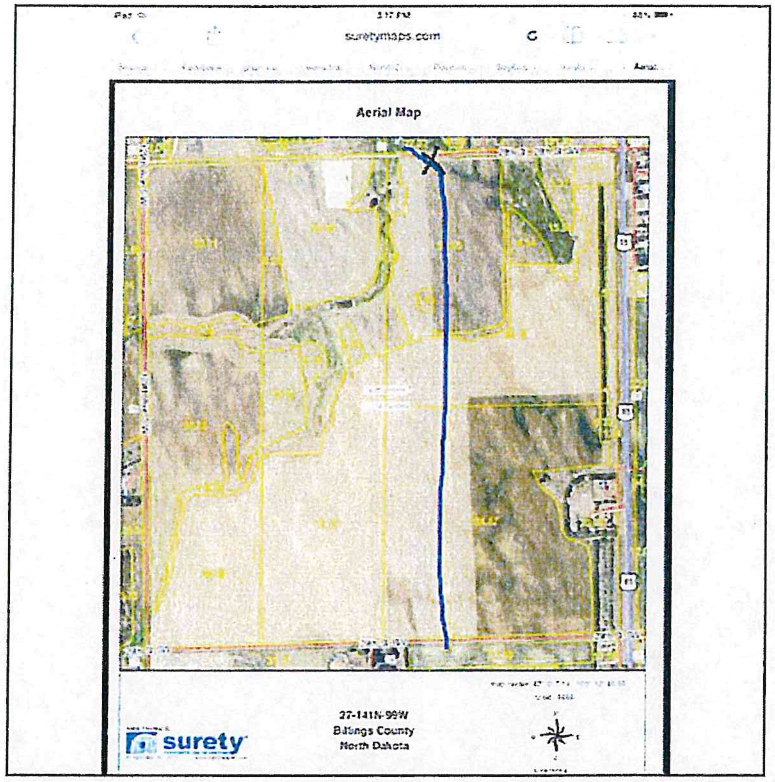
Size

Crop

Growth Stage

Population

Height



Comments

This entire tract has some very well established alfalfa. I would leave this alone. There was a marker down on the far north end, marked with a black x.

Actions

None at this time.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING From Fry Berg

ScoutDoc

Date

September 16, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Odermann

Field

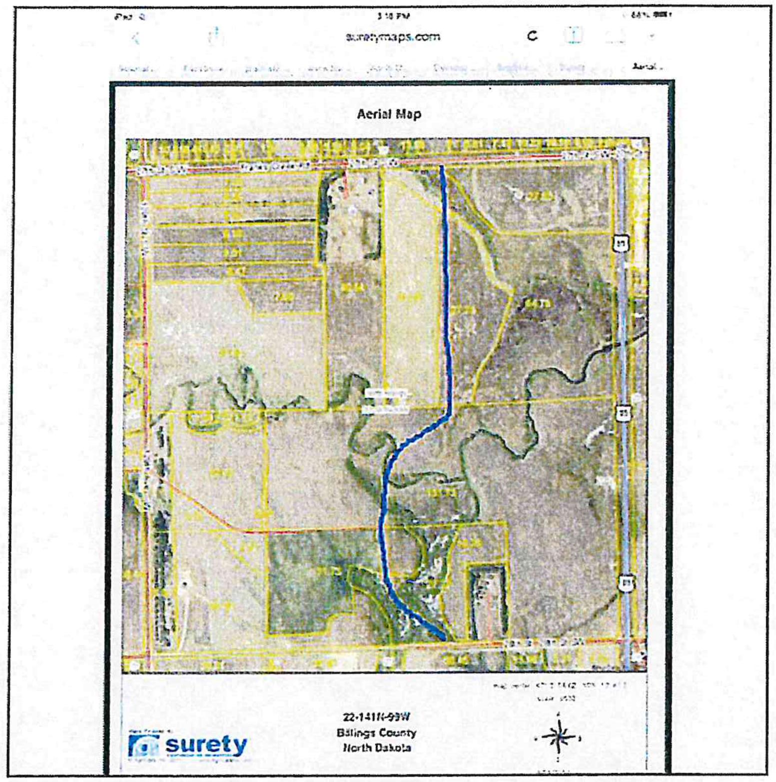
Size

Crop

Growth Stage

Population

Height



Comments

This land is owned by an organic farmer. I stayed out, per Paul's request.

Actions

Paul will need to work with the landowner to determine what needs to be done.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 16, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Wanner

Field

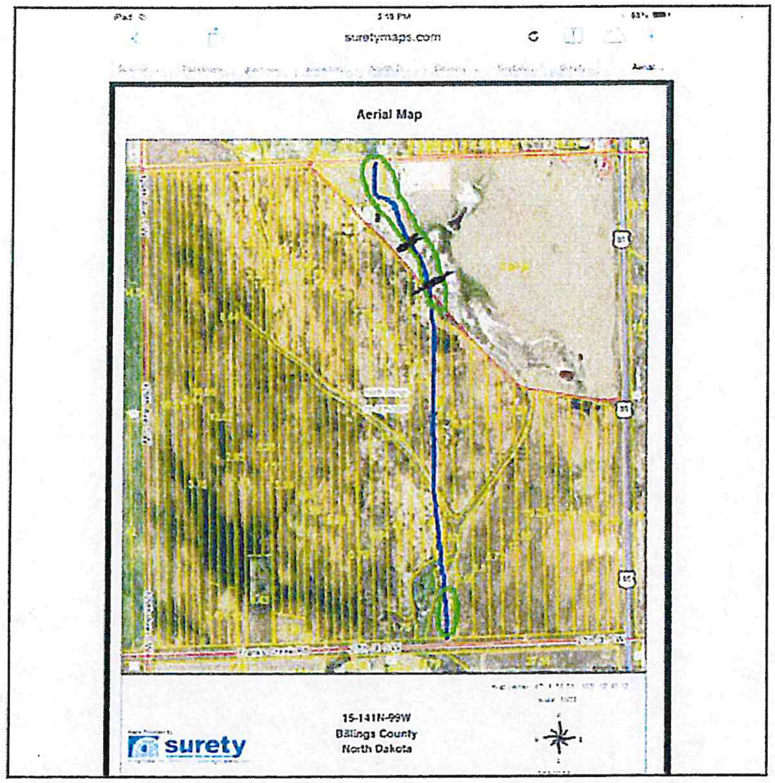
Size

Crop

Growth Stage

Population

Height



Comments

The majority of this tract is in cropland, and is okay. The pasture on the north end is weedy and thin. There are wet spots to watch out for, marked with black lines. There is also some alkali to contend with. This area should be reseeded, as well as the area circled in the south.

Actions

Reseed the marked areas.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 16, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Wanner

Field

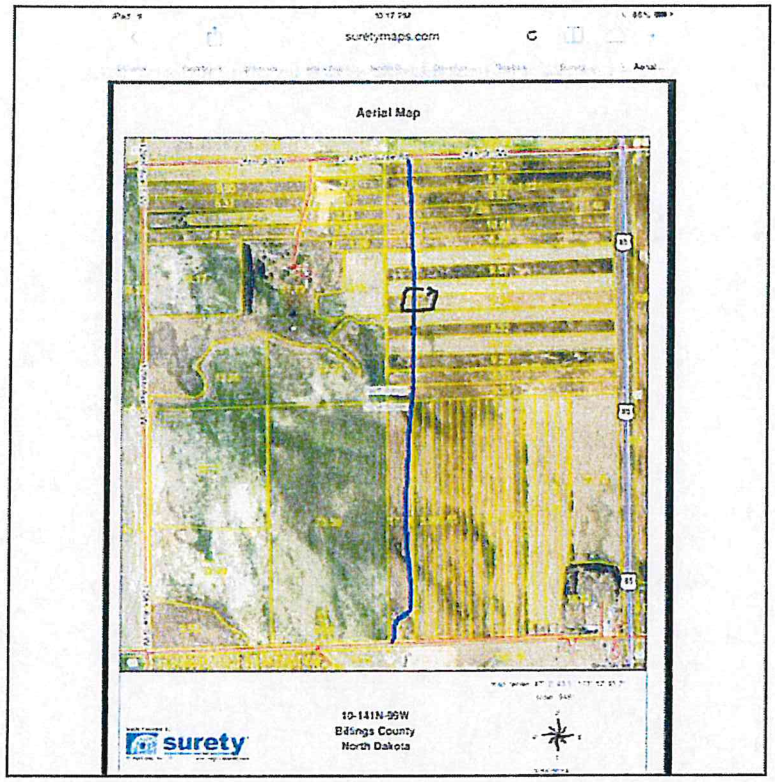
Size

Crop

Growth Stage

Population

Height



Comments
This entire tract is in hay land or cropland. The small area in black should be mowed to try to help limit the spreading of weeds.

Actions
All that needs to be done here is to mow the area in black.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 16, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Kessel

Field

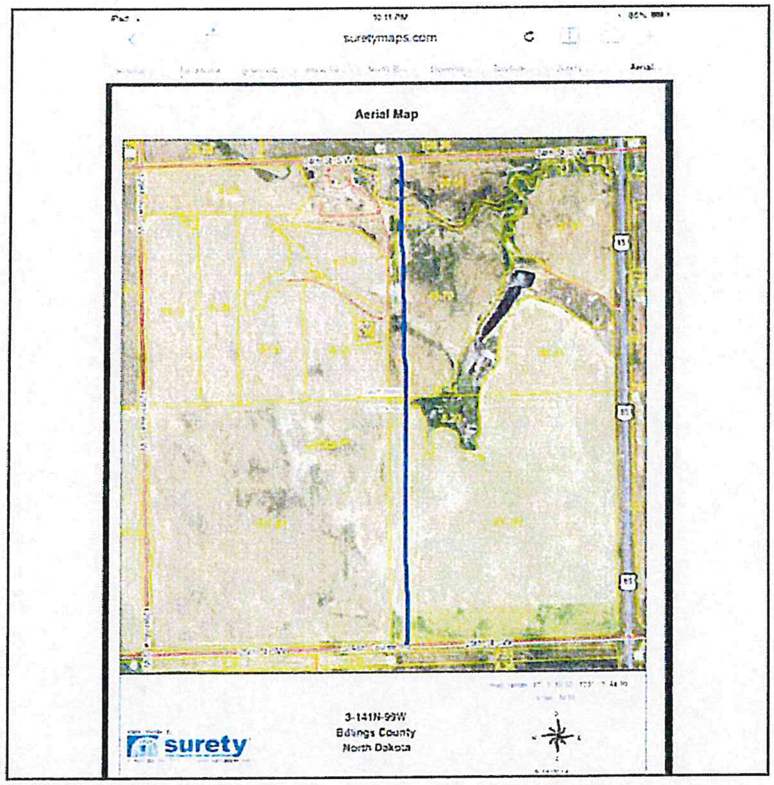
Size

Crop

Growth Stage

Population

Heights



Comments

This entire tract is in cropland. It is mostly un harvested along the pipeline. This stretch is okay.

Actions

None at this time.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 11, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Hardy/Doolittle/Kessel

Field

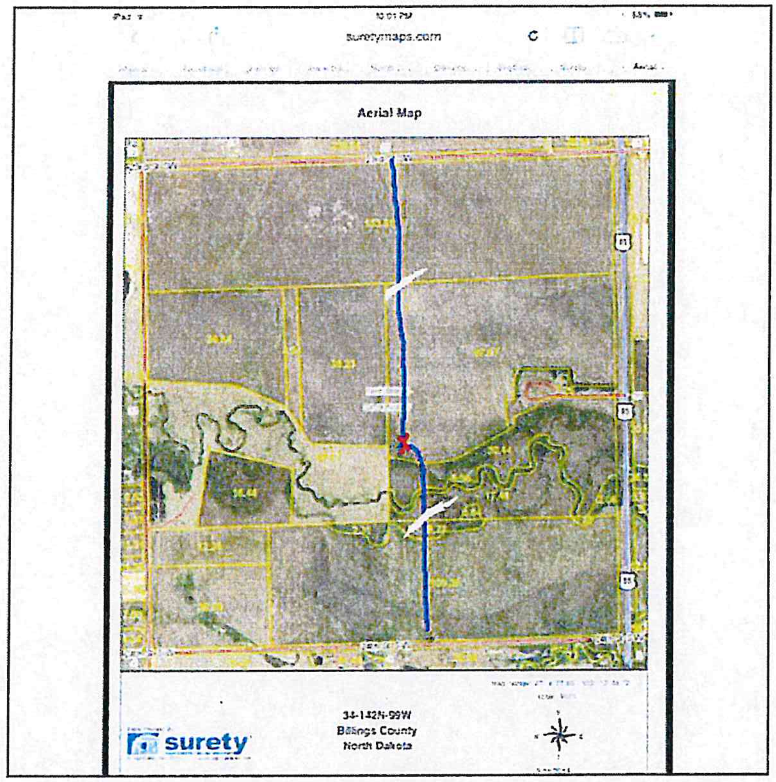
Size

Crop

Growth Stage

Population

Height



Comments

The north portion, owned by Hardy, is in cropland. The pipeline ROW was left unseeded. The landowner should be contacted to determine their wishes. The Doolittle portion, between the white lines, is pretty weedy. The alfalfa caught okay, but the grasses are very thin. The grass portion of the mix should be reseeded here. The red x is a patch of thistles that will need to be sprayed. The Kessel portion on the south looks good.

Actions

Reseed the Doolittle parcel with just grasses, and spray the thistles. Contact Hardy's to determine what they want done.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 11, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Hlebechuk/Jilek

Field

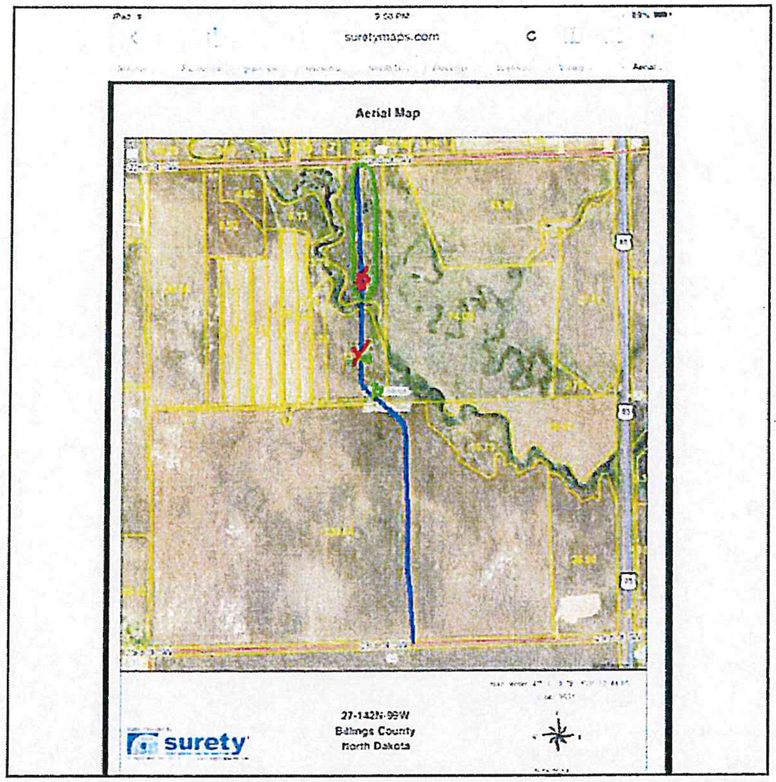
Size

Crop

Growth Stage

Population

Height



Comments

There are three areas here, marked in green, that need to be reseeded. There are some areas with thistles, marked in red, that need to be sprayed. The south half is really nice alfalfa, and should be left alone.

Actions

Reseed the indicated areas, and spray the thistles.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 11, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Hlebechuk

Field

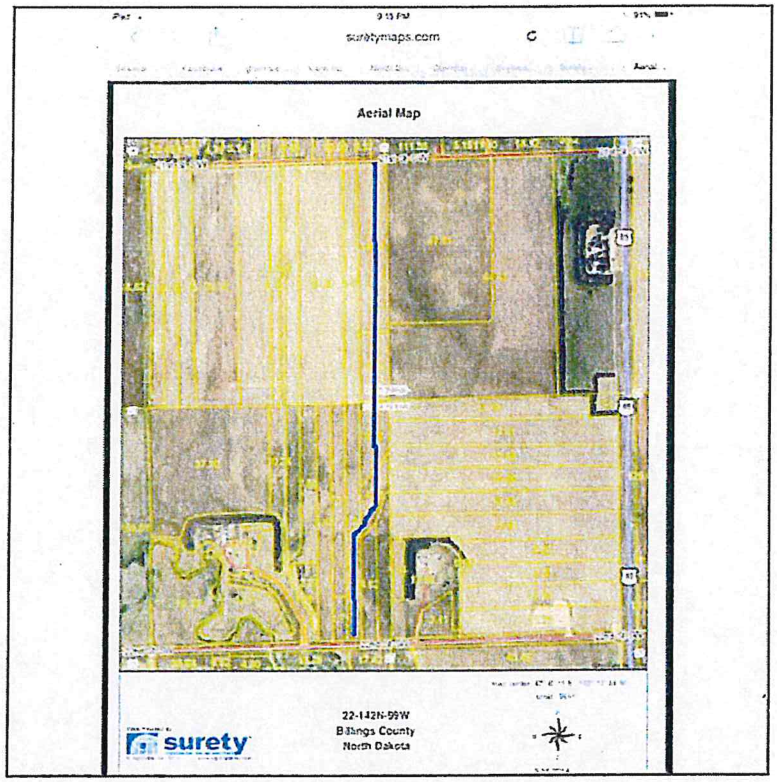
Size

Crop

Growth Stage

Population

Height



Comments
This tract will all need to be mowed and reseeded. The north portion is weedy and thin, the south portion is solid weeds.

Actions
Mow and reseed the entire tract.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 11, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Kordonowy/Anheluk

Field

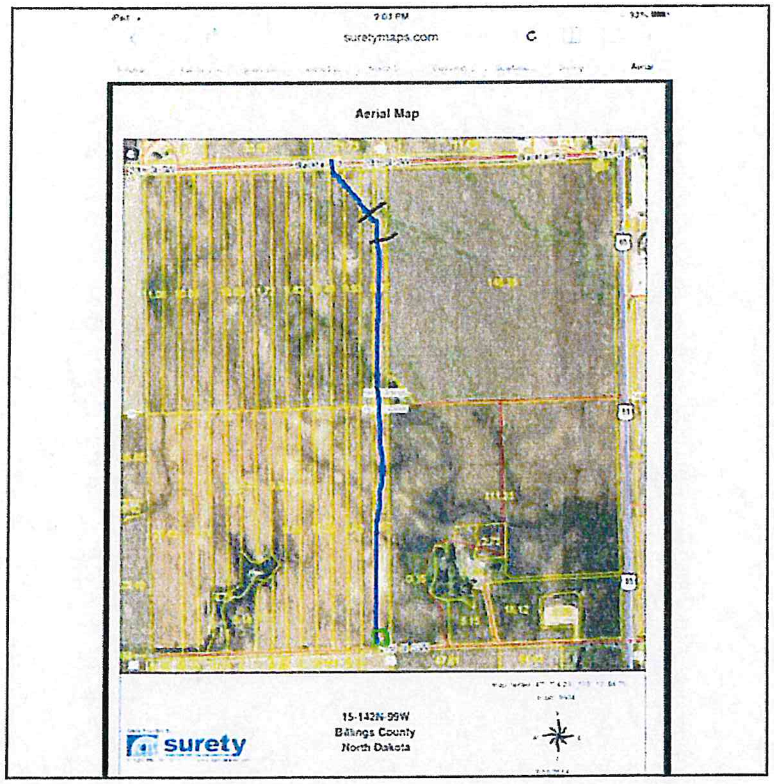
Size

Crop

Growth Stage

Population

Height



Comments

This tract is very good, with two exceptions. There is an area on the far south end that needs to be reseeded. The area between the two black lines has some trench settling issues.

Actions

The trench settling will need to be leveled, and reseeded. The small patch on the south needs to be reseeded too.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 11, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Baranko/Kordonowy

Field

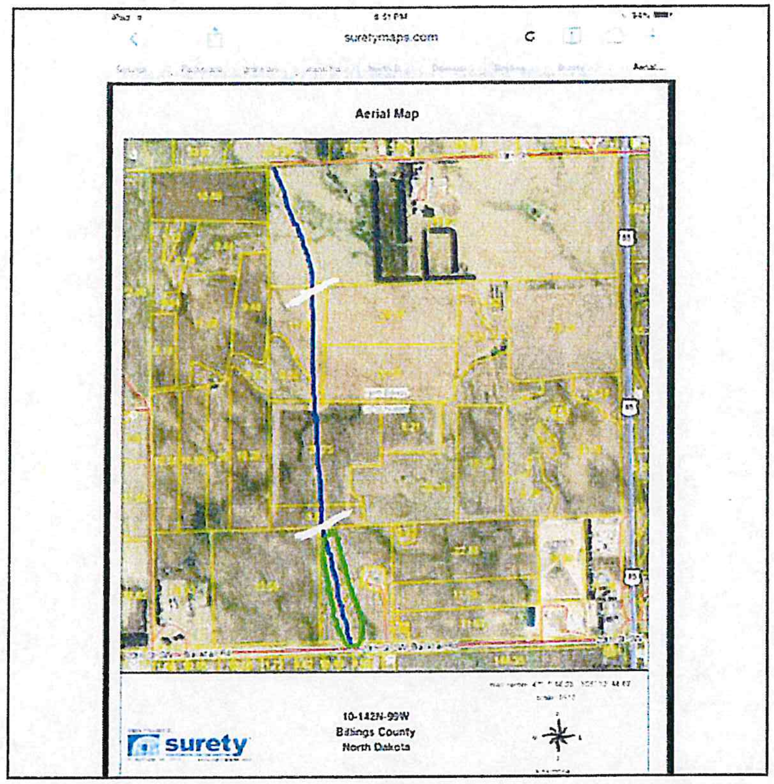
Size

Crop

Growth Stage

Population

Height



Comments
The pasture on the far north side is good. The hay field on the far south side, marked in green, is very weedy and needs to be reseeded. The area between the white lines has a decent grass stand, but very little alfalfa. The landowner should be contacted to see if they want more alfalfa seeded.

Actions
The south portion will need to be reseeded. The middle portion should be discussed with the landowner.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 1 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 11, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Baranko

Field

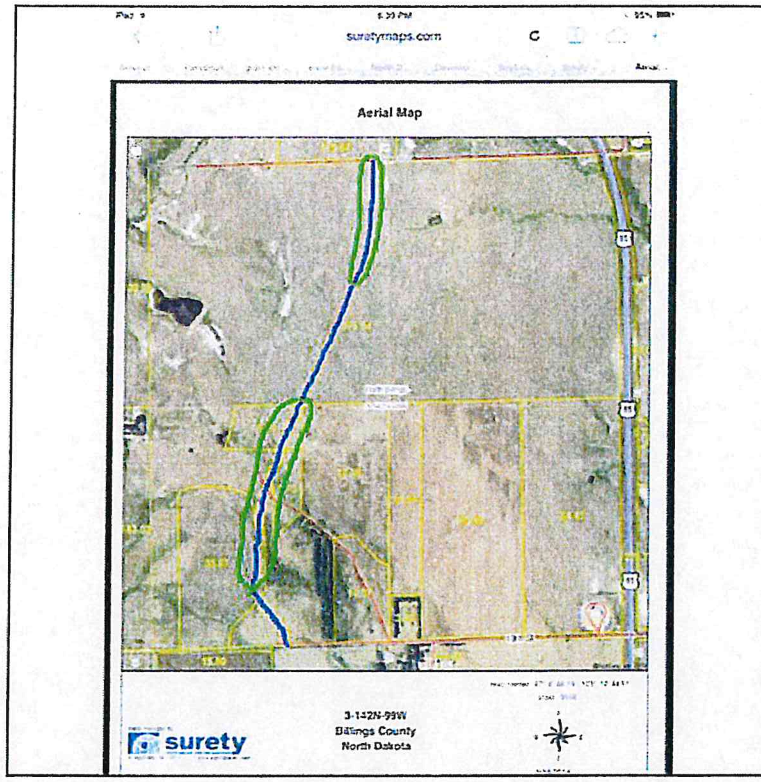
Size

Crop

Growth Stage

Population

Height



Comments
This tract has two areas, marked in green, that are very thin with bare spots, and need to be reseeded. Otherwise, this tract is good.

Actions
Reseed the two highlighted sections.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 11, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Egly/Baranko

Field

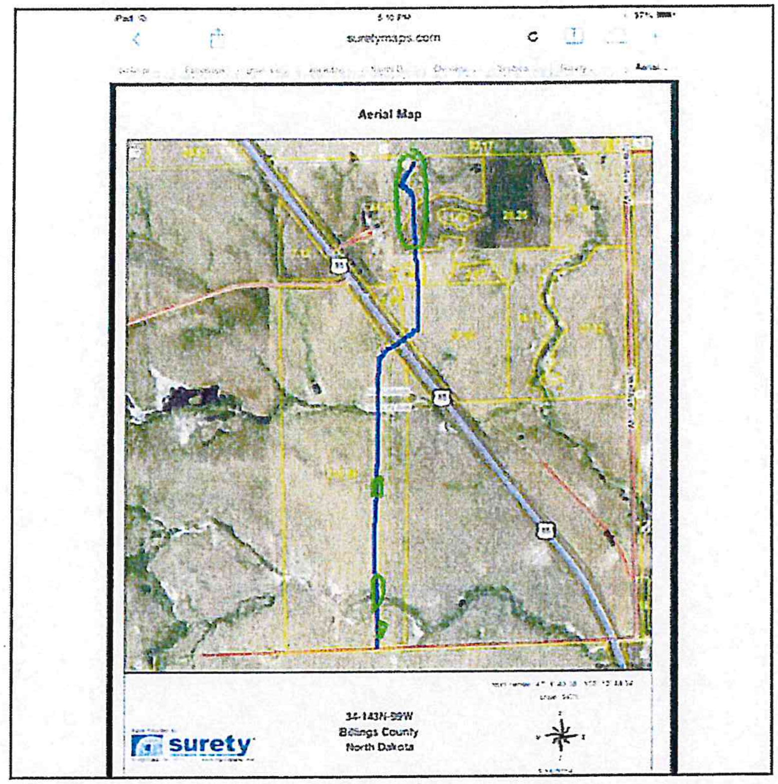
Size

op

Growth Stage

Population

Height



Comments

Most of this tract is pretty good. There are some areas that get thin and weedy, marked in green, that need to be reseeded.

Actions

Reseed the marked areas.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 11, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Malkowski

Field

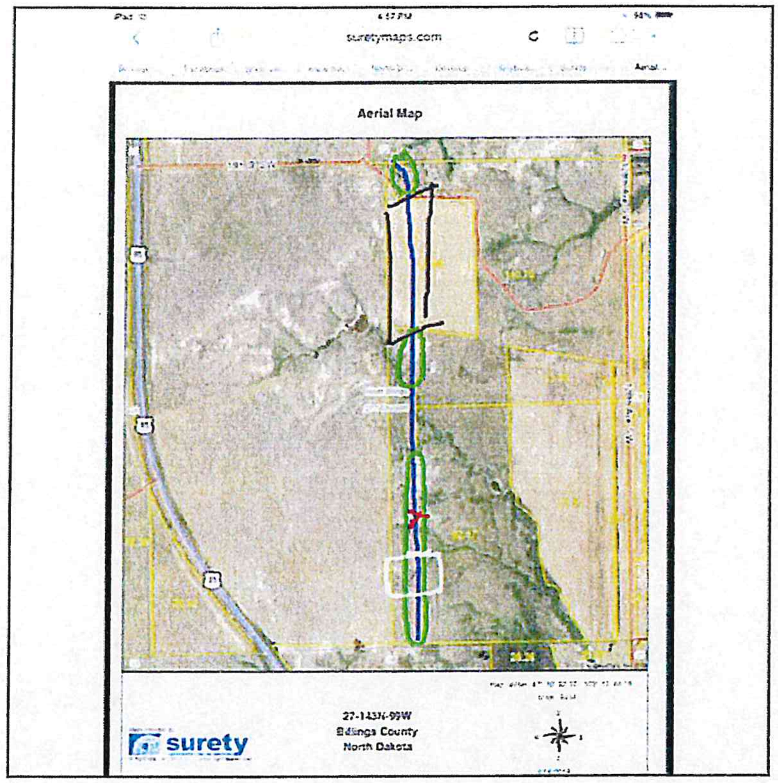
Size

Crop

Growth Stage

Population

Height



Comments

This tract will need a bit of attention. The areas in green will need to be reseeded. The far south end is very rocky, has a lot of weeds, and has been grazed. There are some ruts and trench settling in the area marked in white. The area in black had virtually no alfalfa come up, and will need alfalfa seeded again. There was a little thistle to spray too, marked in red.

Actions

The ruts/settling will need to be leveled out first. The necessary areas should then be reseeded. The thistle should be sprayed as well.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 11, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Malkowski

Field

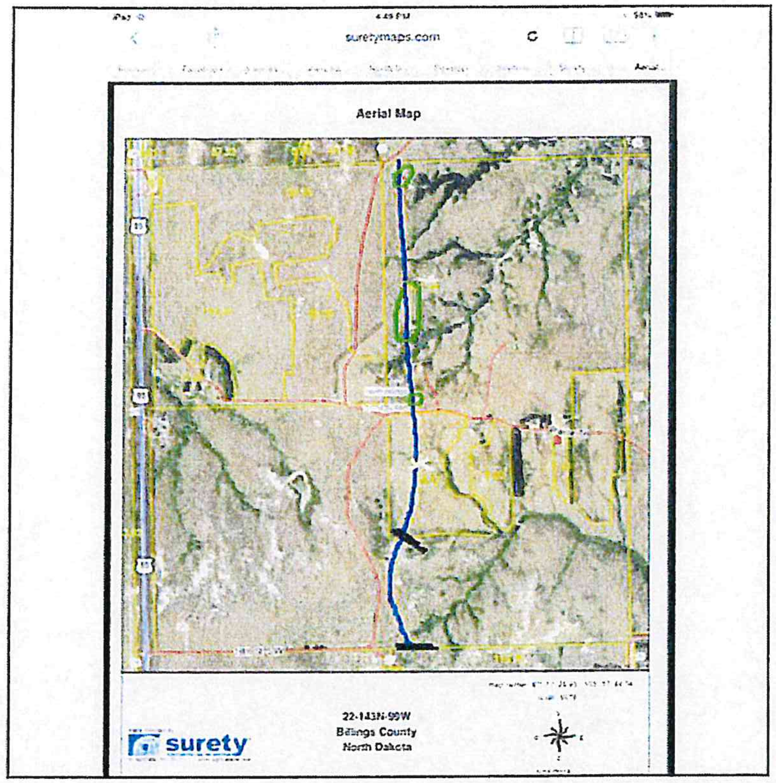
Size

Crop

Growth Stage

Population

Height



Comments

The northern 3/4's of this tract is pretty good. There are a few bare spots, marked in green, to reseed. The white x is a downed marker. The area between the black lines is very thin and weedy, with areas of bare dirt. This area will need to be reseeded.

Actions

Reseed the necessary places.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 FROM FRYBERG

ScoutDoc

Date
September 11, 2014

Stop
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Marx/Malkowski

Field

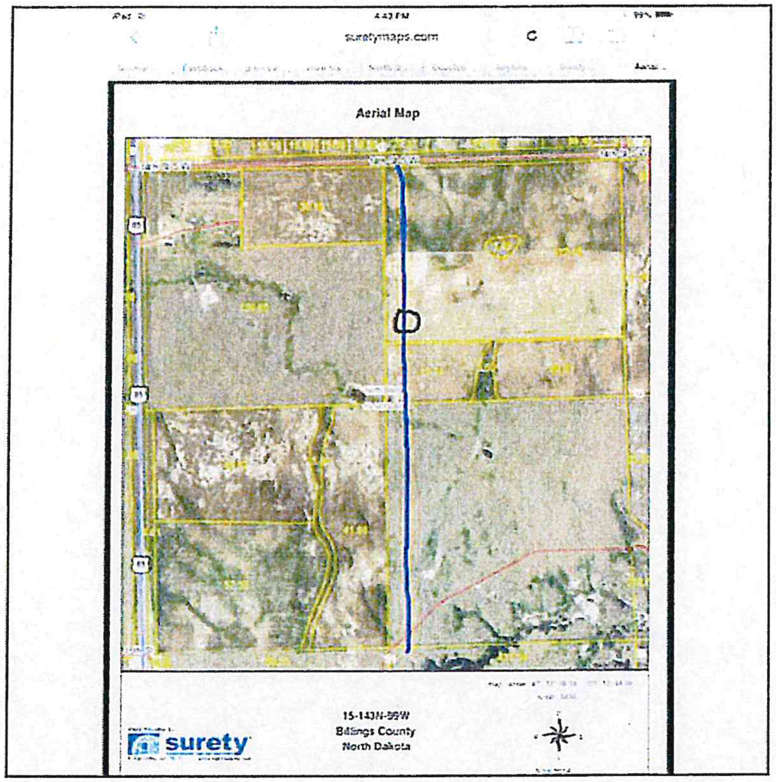
Size

Crop

Growth Stage

Population

Height



Comments
Most of this tract is pretty thin, with a fair bit of weed pressure. There are also bare patches of dirt. The black circle is a wet spot. This entire tract should be reseeded.

Actions
Reseed this section.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 11, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Chimney Butte/Marx

Field

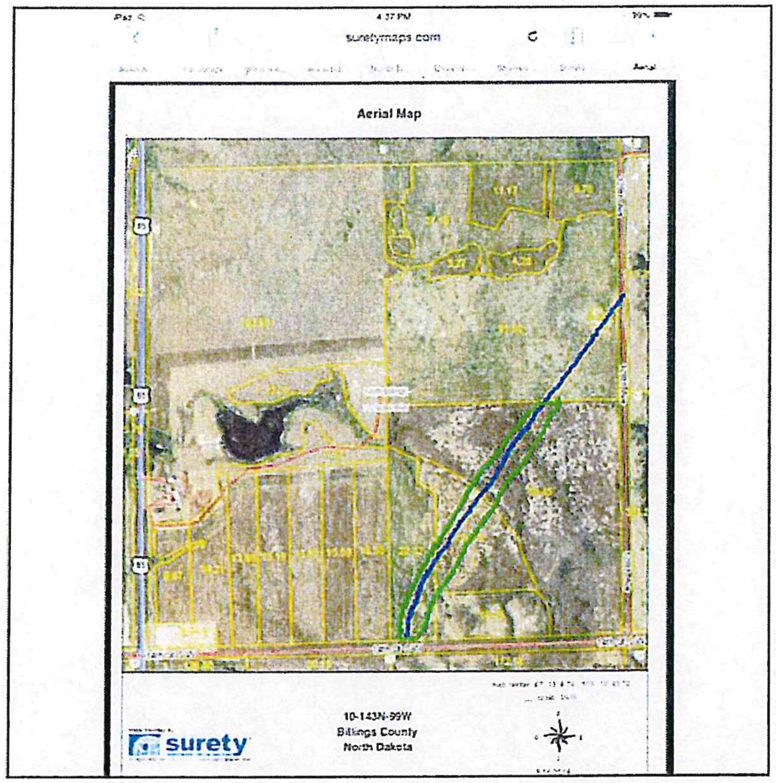
Size

Crop

Growth Stage

Population

Height



Comments

The NE 1/4 is cropland that has been worked, and is okay. The SE 1/4 is very thin, and predominately weeds in areas. The portion in green should be reseeded.

Actions

Reseed the portion of the pipeline marked in green.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 11, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Hecker

Field

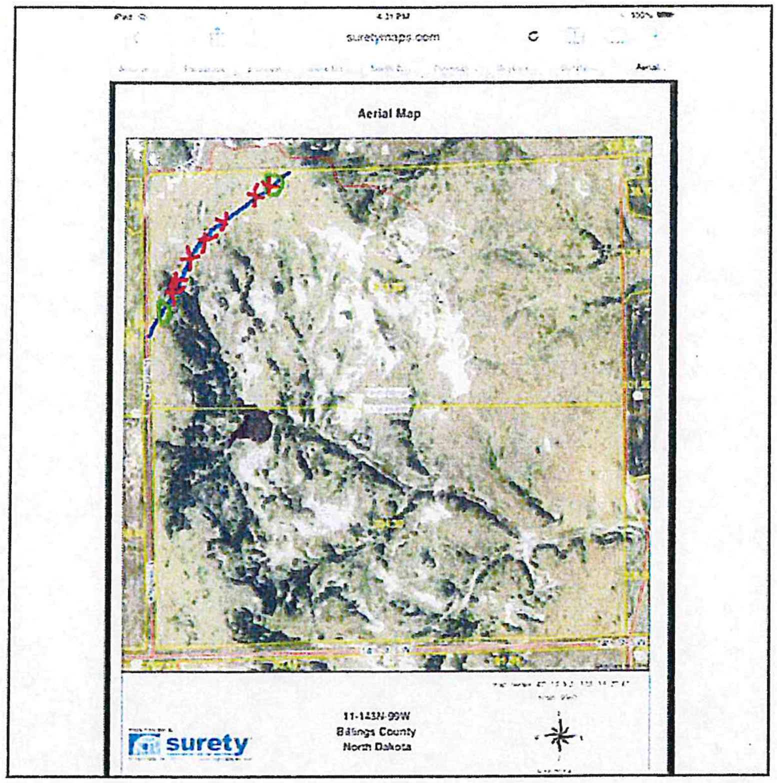
Size

Crop

Growth Stage

Population

Height



Comments
The majority of this tract looks good. There are two bare patches, marked in green, that need to be reseeded. There is a lot of thistles here to spray. There were two pipeline markers down on the north portion when I was here.

Actions
Reseed the bare patches and spray the thistles.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 11, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Hecker

Field

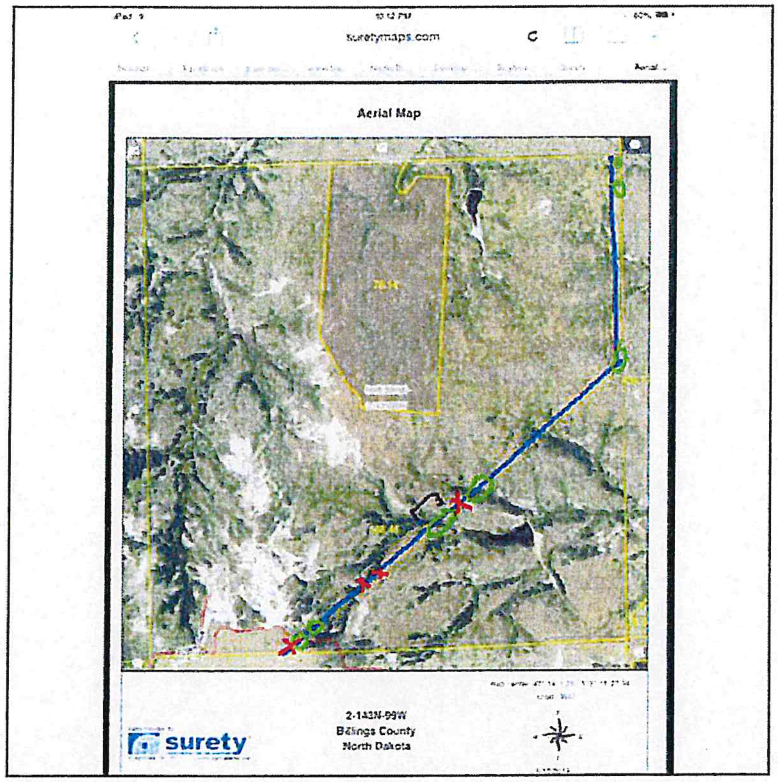
Size

Crop

Growth Stage

Population

Height



Comments

The bulk of this tract is okay. There are some thin/bare spots, marked in green, that need to be reseeded. The patch with the black mark is steep and may need some straw mulch to prevent erosion. The thistles, marked in red, will need to be sprayed.

Actions

The spots marked in green need to be reseeded, and the thistles need to be sprayed.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 11, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Kadrmas

Field

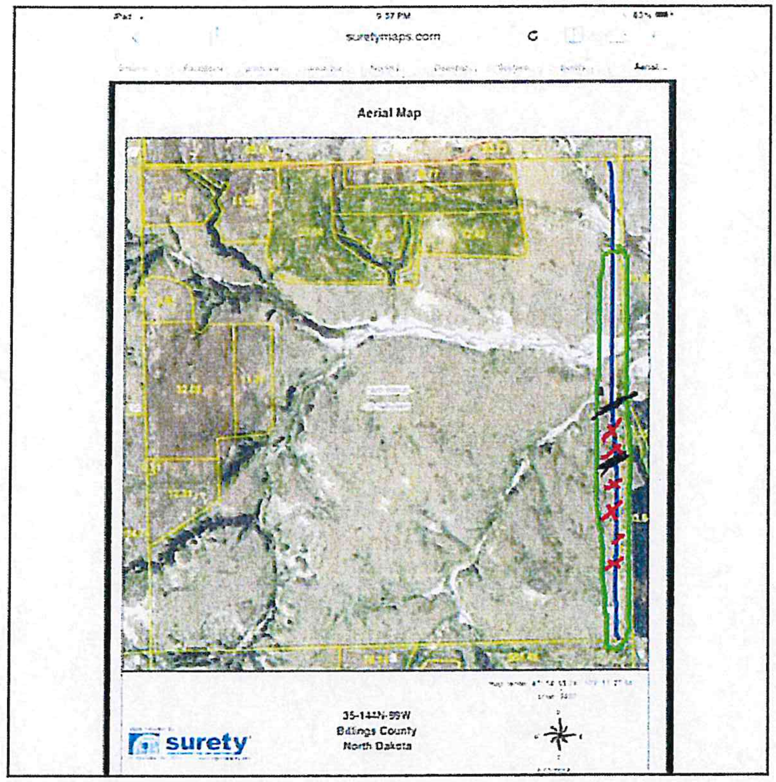
Size

Crop

Growth Stage

Population

Height



Comments

The area marked in green is thin and needs to be reseeded. A lot of this area has been grazed. The two black lines are spots that are steep, and should probably have some straw mulch applied to prevent erosion. There is also some thistle that needs to be sprayed, marked in red.

Actions

The area marked in green will need to be reseeded. The thistles will need to be sprayed.

RIGHT OF WAY ASSESSMENT MAP SHOWI
LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 11, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Obritsch

Field

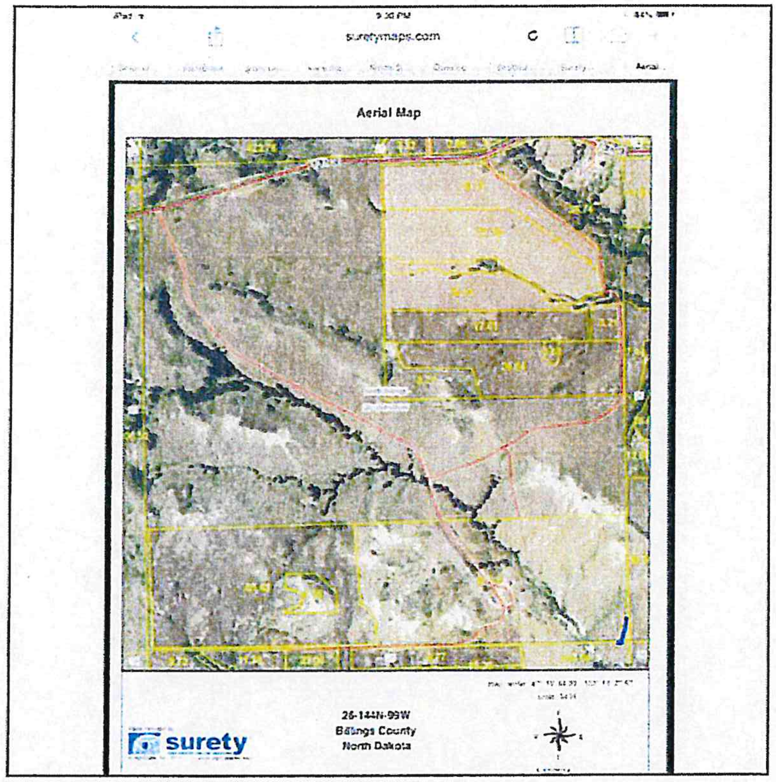
Size

Crop

Growth Stage

Population

Height



Comments
The right of way on this small section looks good.

Actions
None at this time.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 11, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Kadrmas

Field

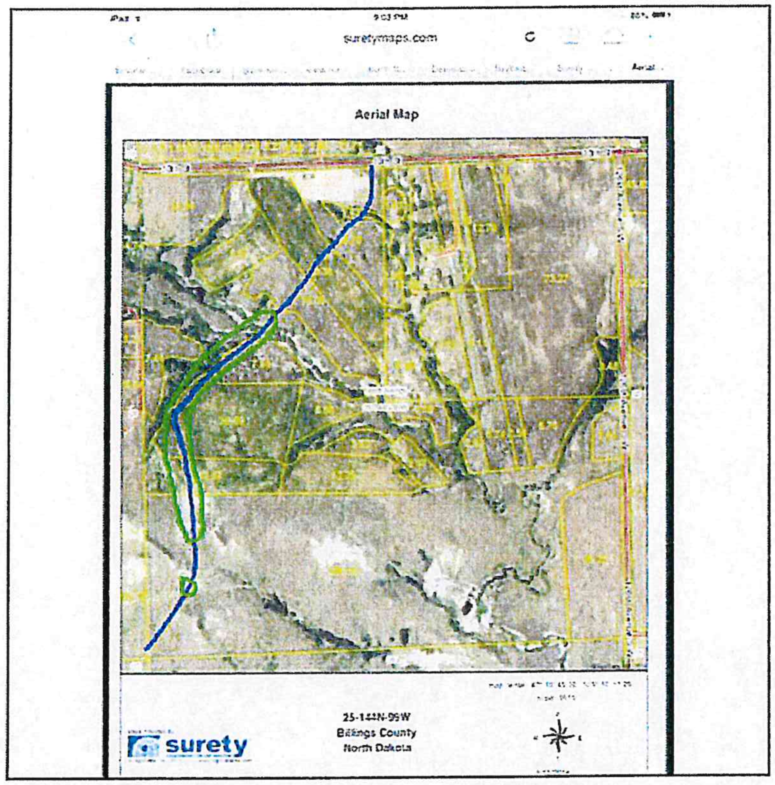
Size

Crop

Growth Stage

Population

Height



Comments
This tract will need to be reseeded in the spots marked in green. The rest of this tract is okay.

Actions
Reseed the portion of the tract marked in green.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 11, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Haag

Field

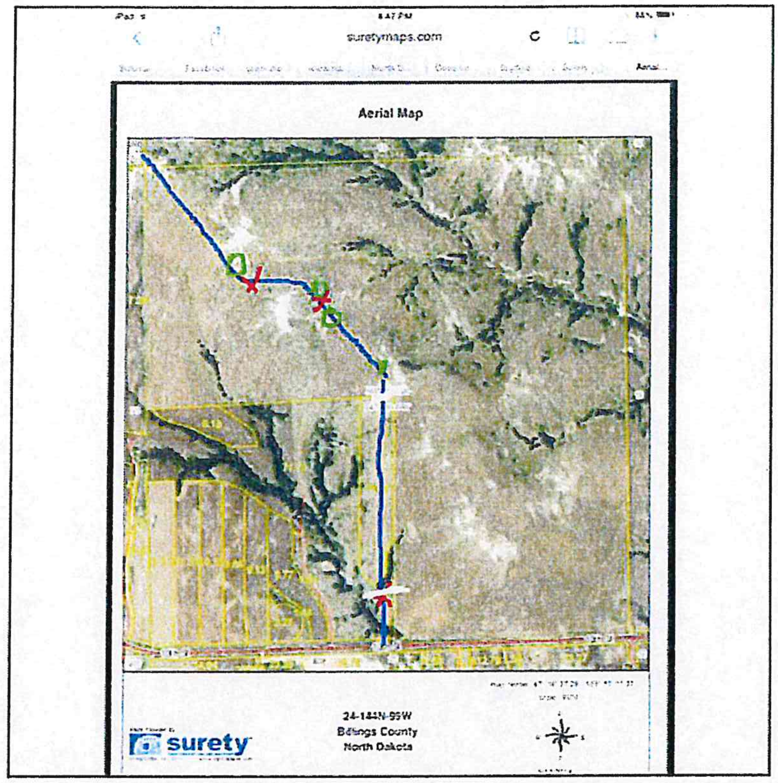
Size

Crop

Growth Stage

Population

Height



Comments

The north end of this tract is pretty good, with just a few bare patches that need to be reseeded. They are marked in green. There are Canada thistles that need to be sprayed, marked in red. The area between the two white lines is pretty thin. I would recommend reseeding it at a half rate of seed.

Actions

Reseed the bare patches, and reseed the south portion with a half rate of seed. The Canada thistle will need to be sprayed as well.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 4, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Tachenko

Field

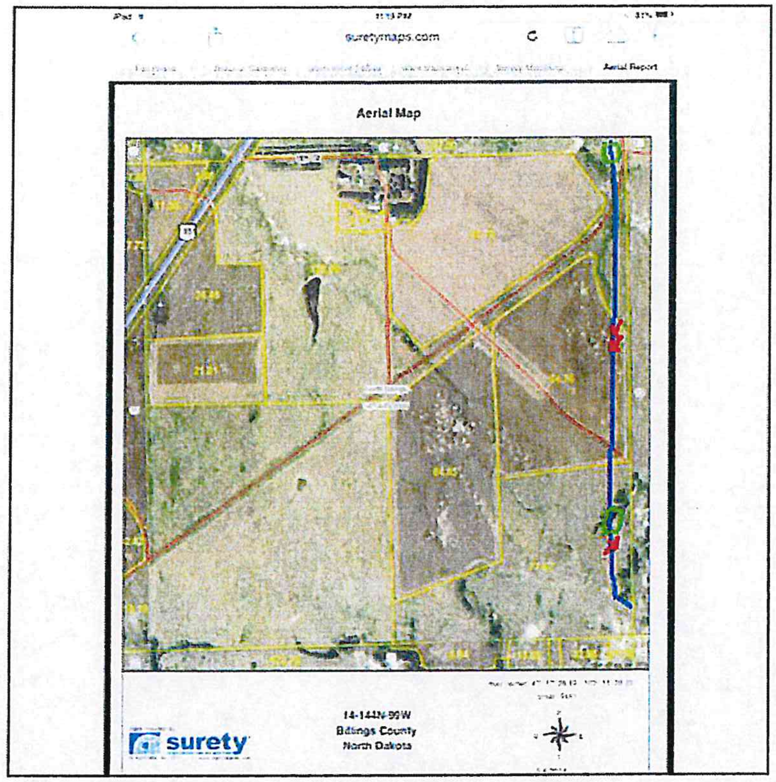
Size

Crop

Growth Stage

Population

Height



Comments

This portion of the pipeline looks very good. There are just two small areas marked in green to be reseeded. The red marks are thistles to be sprayed after a frost.

Actions

There are just two small spots needing to be seeded, and it will need to be sprayed after a frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 4, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Tachenko

Field

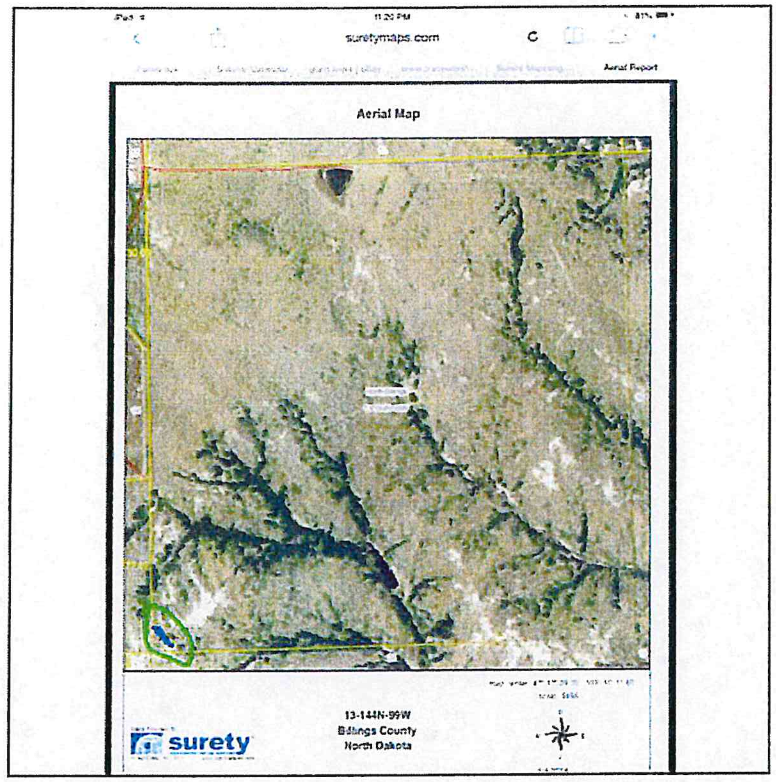
Size

Crop

Growth Stage

Population

Height



Comments
The dirt here is bare, and will need to be seeded.

Actions
Reseed

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 4, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Tachenko

Field

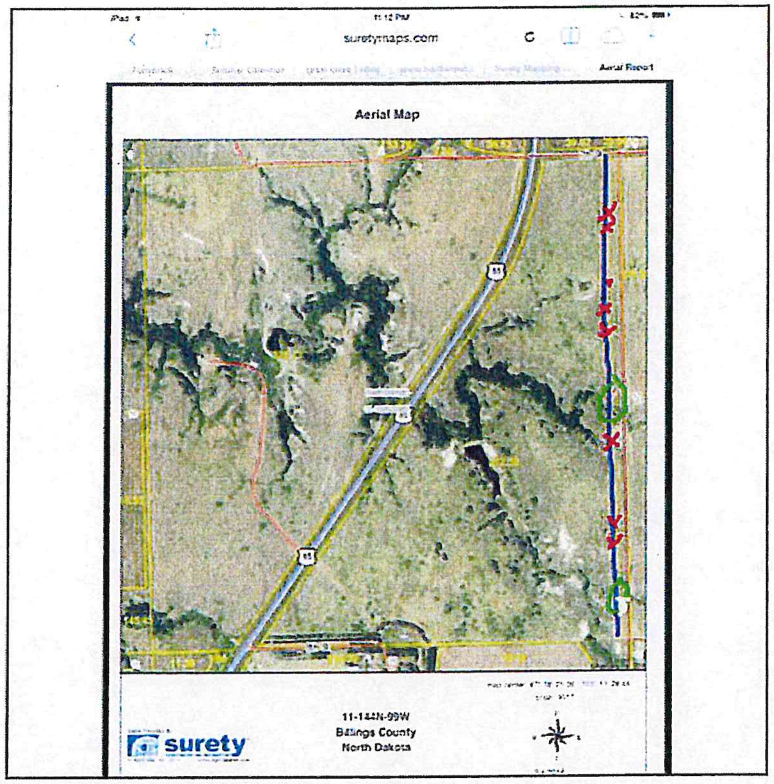
Size

Crop

Growth Stage

Population

Height



Comments
Overall, this tract looks good. There is just one spot with ruts to be leveled. The red marks are thistles to be sprayed. The test station on the south end is missing it's cap.

Actions
Fill in the ruts and reseed.

RIGHT OF WAY ASSESSMENT MAP
SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 4, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Tachenko

Field

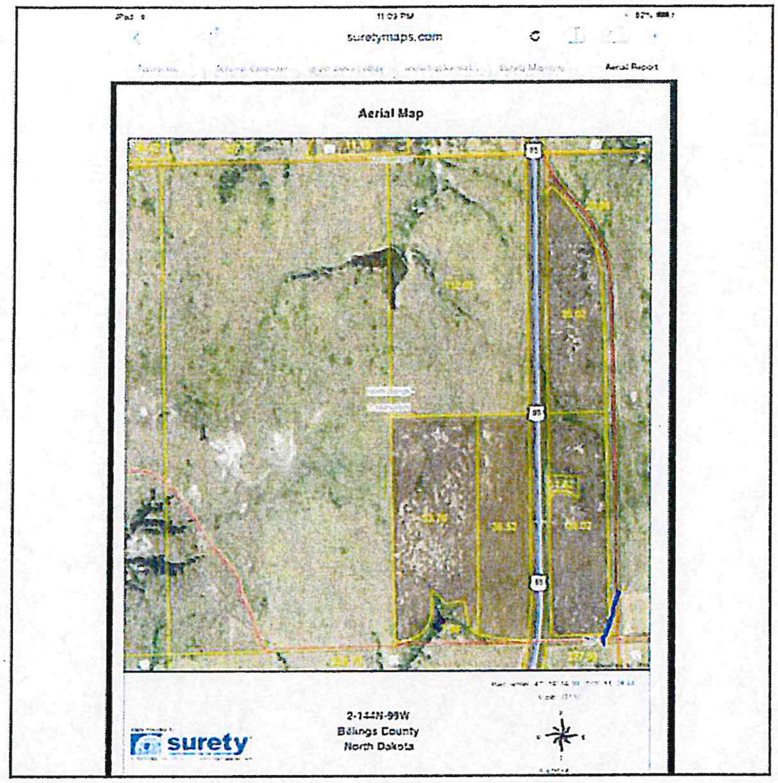
Size

Crop

Growth Stage

Population

Height



Comments

This section looks very good.

Actions

None

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING From FRYBERG

ScoutDoc

Date

September 4, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Tachenko

Field

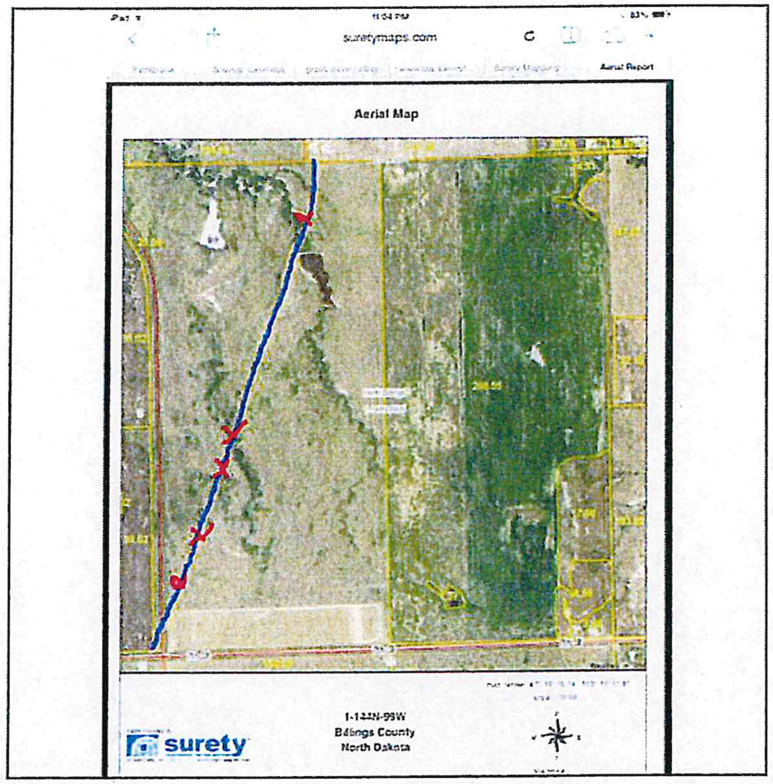
Size

Crop

Growth Stage

Population

Height



Comments

This tract looks very good. There are a couple of thin spots, but it is filling in well. There are some patches of Canada thistle to be sprayed, marked in red.

Actions

All that needs to be done is spray the thistles after a frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 4, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Kostenko/Glovatsky

Field

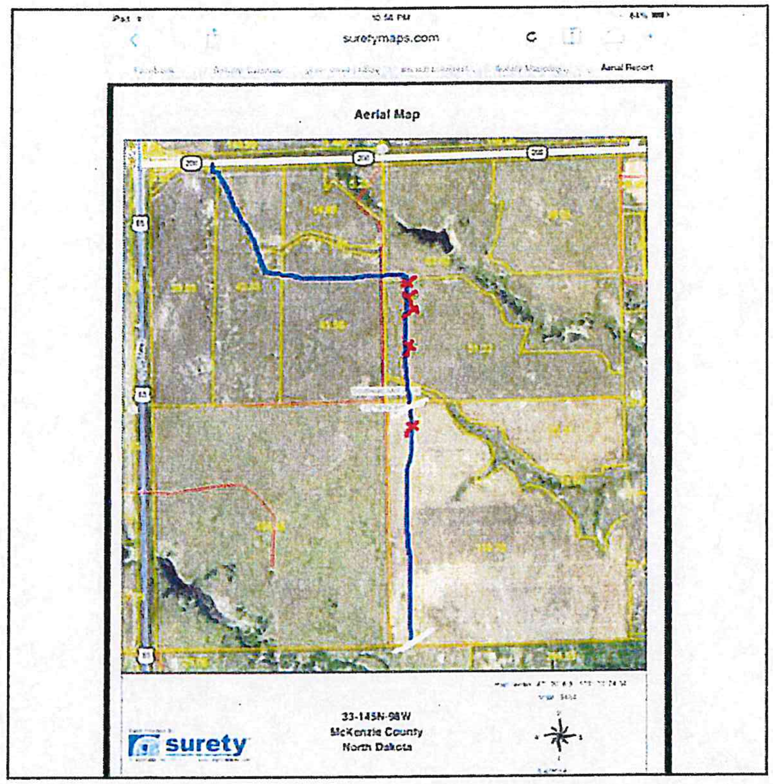
Size

Crop

Growth Stage

Population

Height



Comments
The north portion looks good. The south portion has some bare dirt down the middle of the trench, between the two white lines. That is all that needs to be reseeded. There is some Canada thistle to be sprayed, marked in red.

Actions
Reseed the south portion, and spray the thistles after a frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 4, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Schroeder

Field

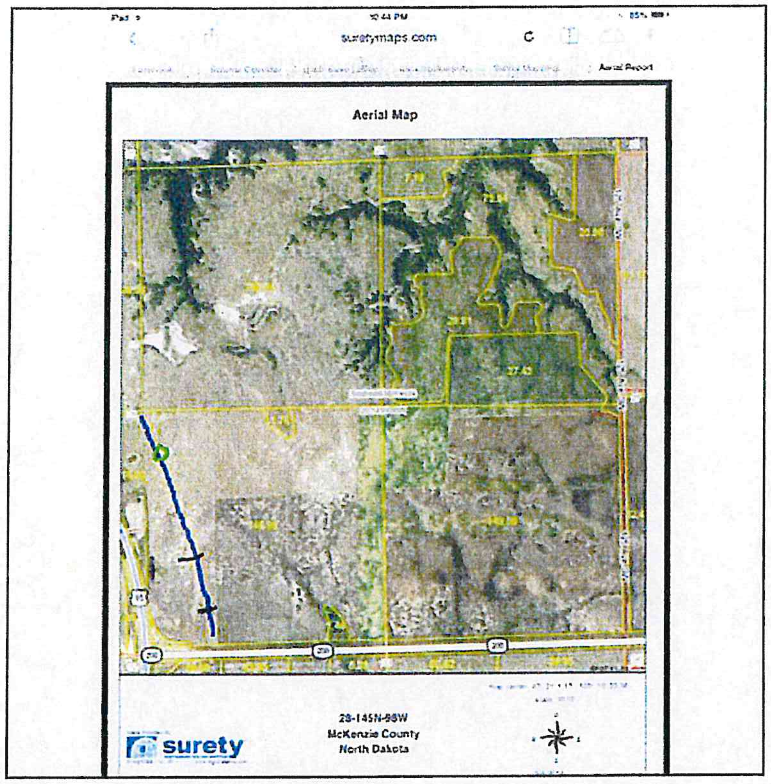
Size

Crop

Growth Stage

Population

Height



Comments
This portion looks pretty good. There is a small bare patch, green, that should be reseeded. The trench has settled in the area between the two black lines. It will need to be leveled and reseeded.

Actions
Fill in the sunken trench, and reseeded the required areas.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 4, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

USA/Schroeder

Field

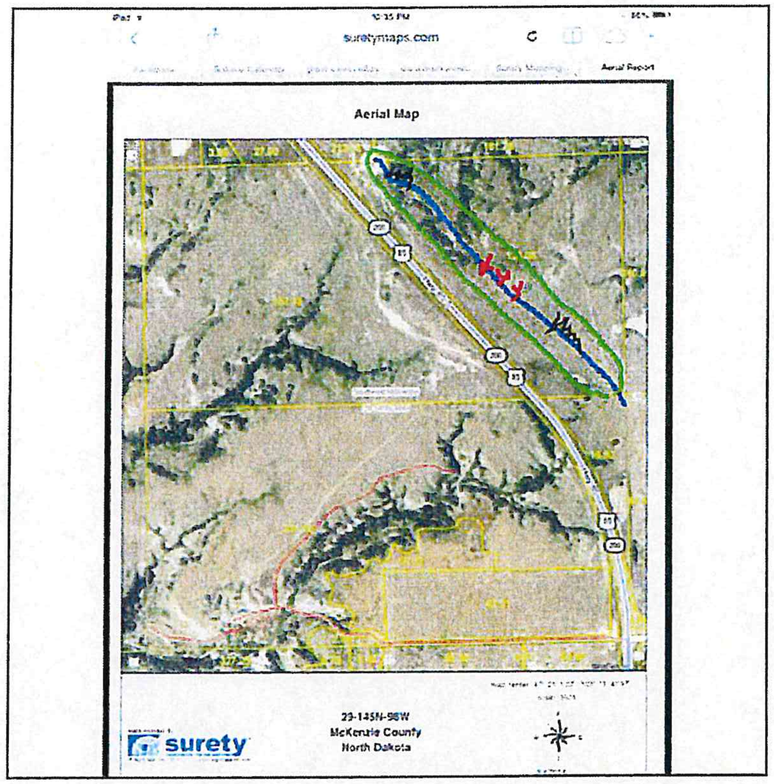
Size

Crop

Growth Stage

Population

Height



Comments

This tract will all need to be mowed. The government ground is a bit thin, and should be seeded at a half rate. The little portion on Schroeder's is fine. The black marks show ruts or sunken trenching that needs to be resolved. The red marks are Canada thistle to be sprayed.

Actions

This tract should be mowed, leveled, and reseeded. The thistles should sprayed after a frost.

Right of WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING From FRYBERG

ScoutDoc

Date

September 4, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

USA

Field

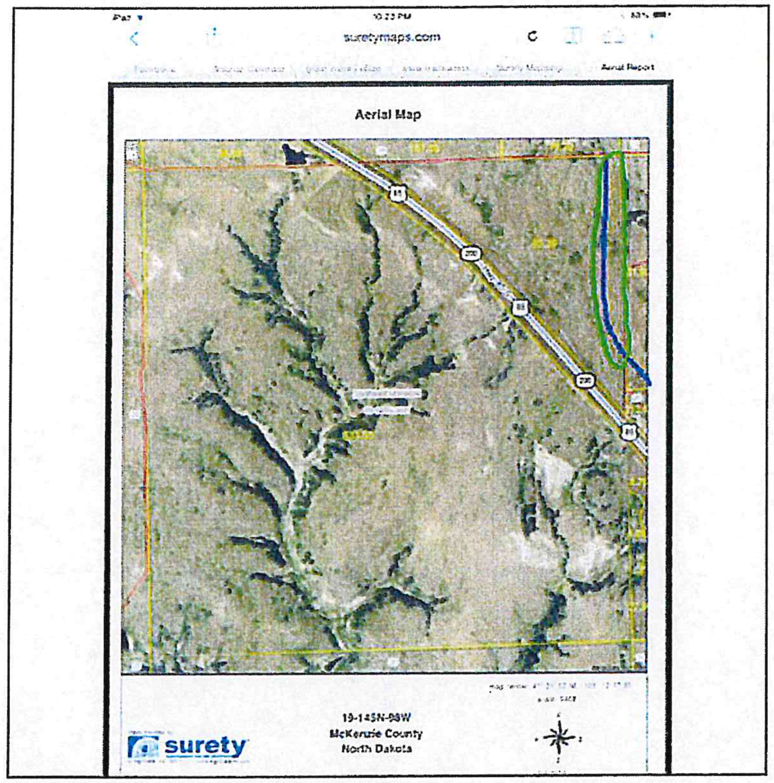
Size

Crop

Growth Stage

Population

Height



Comments

This portion of the pipeline is weedy and thin. It will need to be mowed and reseeded.

Actions

Mow and reseed.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 4, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Zubke/Jost

Field

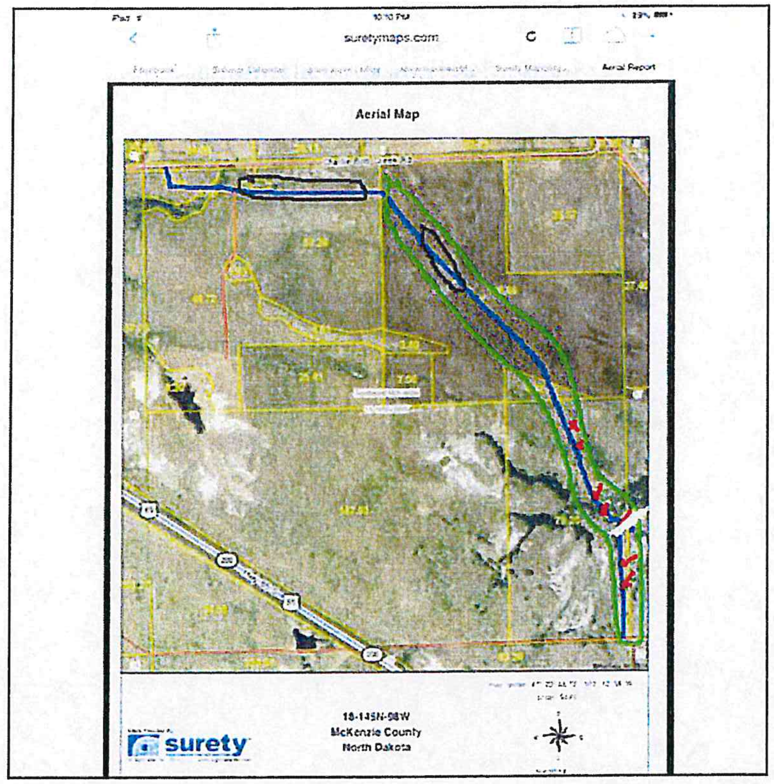
Size

Crop

Growth Stage

Population

Height



Comments

This entire tract should be mowed. The area in green should be reseeded. The landowner was unhappy with the amount of alfalfa in the NE 1/4. The black marks are where the trench in settling in. There was also a little rutting, marked in white. The test station cap on the south end is broken.

Actions

This tract will need to be mowed, and have the trench leveled back up. Any areas with worked soil should be reseeded. There is some thistle to be sprayed too.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 4, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Zubke

Field

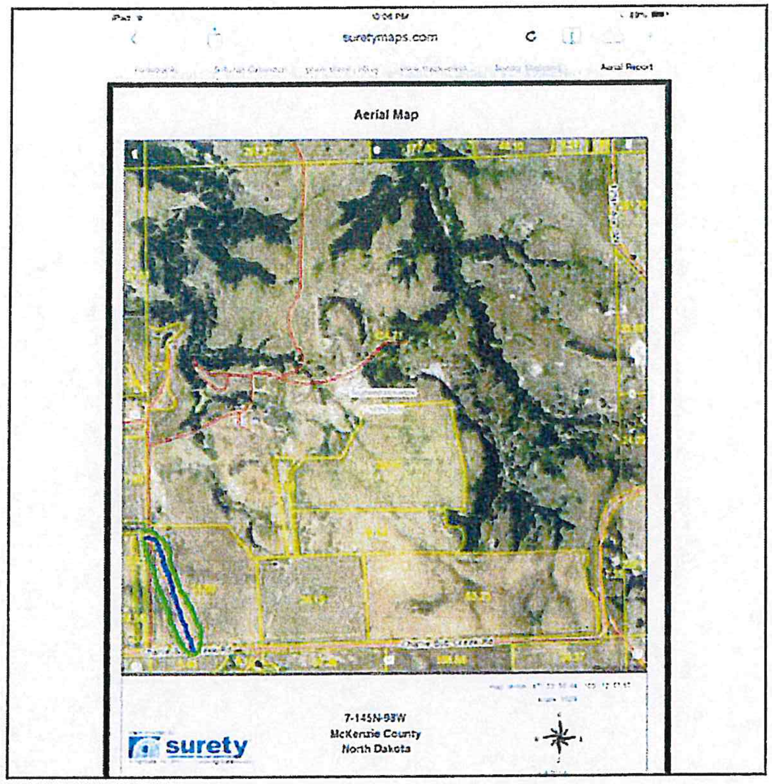
Size

Crop

Growth Stage

Population

Height



Comments

This tract is thin and weedy. The ROW needs to be mowed, and then reseeded.

Actions

Mow and then reseed.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 4, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Pojorlie

Field

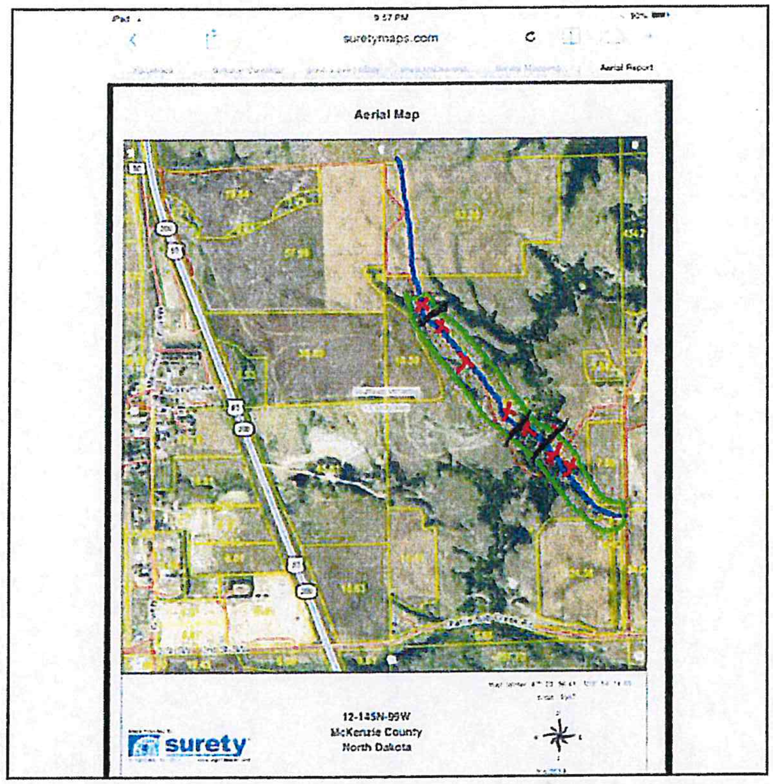
Size

Crop

Growth Stage

Population

Height



Comments

This entire tract will need to be mowed. The hay land on the north end looks good. The area marked in green has more weeds than grass, and will need to be reseeded. There are som steep areas, black, that may need a straw mulch. The red marks are Canada thistle to be sprayed.

Actions

This tract should be mowed and then the green area should be seeded. The thistles should be sprayed after a frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 2 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 4, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Knapp/Kessel

Field

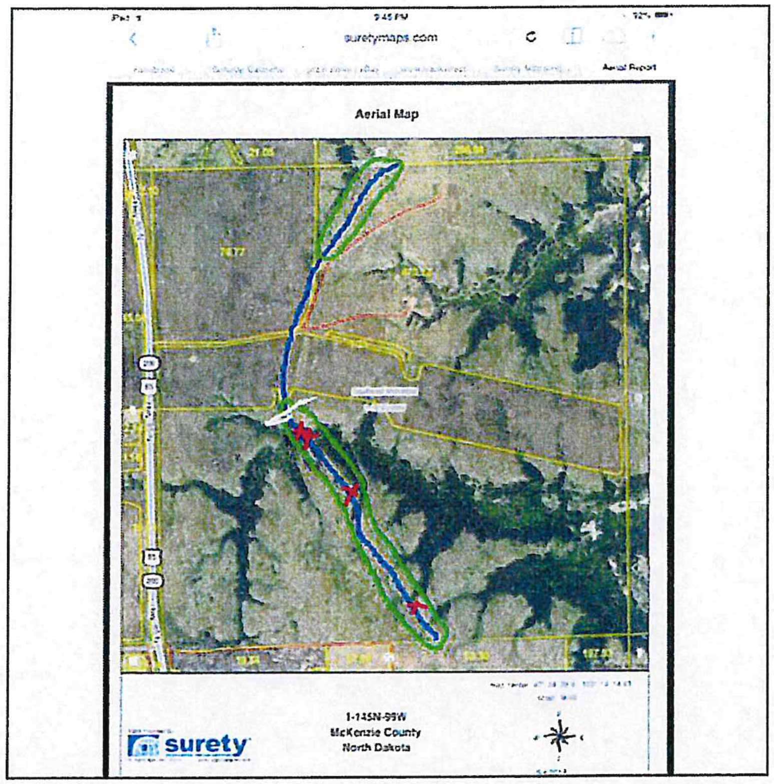
Size

Crop

Growth Stage

Population

Height



Comments

The areas of this tract marked in green will need to be reseeded. The far north portion has grasses, but they are too thin. I would recommend seeding a half rate there. The rest of the NW 1/4 looks good. The south portion will need to be seeded at a full rate. The white mark indicates rutting that should be leveled. This entire section should be mowed. I only saw a few patches of Canada thistle, red, to be sprayed on the south end.

Actions

This tract needs to be mowed. There is just one spot with ruts to be leveled. Only the areas marked in green will need to be seeded. There are some thistles to spray after a frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 3 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 4, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Lee/Knapp

Field

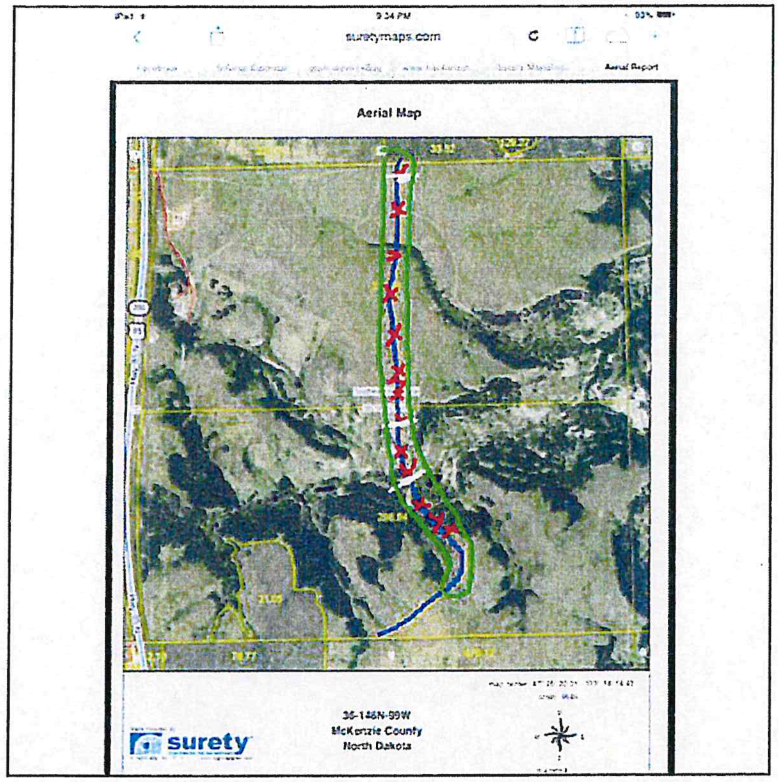
Size

Crop

Growth Stage

Population

Height



Comments

Most of this tract is okay, but is a bit too thin. I would recommend reseeding at a half rate. On the far south end, there are two small bare spots to reseed. The white marks indicate rutting that should be leveled. The red marks are thistles that will need to be sprayed. There were two steep spots, black, that may need straw mulch.

Actions

This tract will need to have a few ruts leveled before seeding. After a frost, the thistles should be sprayed.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 3 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 2, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Tarnavsky

Field

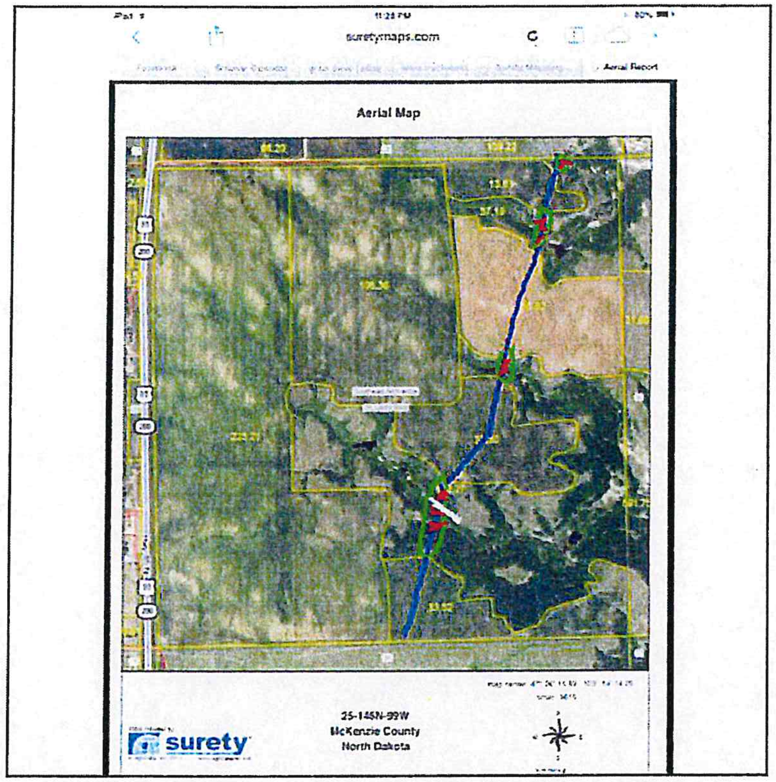
Size

Crop

Growth Stage

Population

Height



Comments

The areas marked in green will all need to be dealt with. These areas are all very weedy, have Canada thistle (marked in red), and have some very steep portions. The steepest spots may need a straw mulch to prevent washing and erosion. There is some alfalfa coming in these spots, but the grasses are almost non-existent. The white mark is a very wet area in the bottom of the draw. The cropland portions are all okay.

Actions

The non-cropland portion of this tract needs to be mowed and reseeded. The Canada thistle should be sprayed after a light frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 2, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Dolezal

Field

Size

Crop

Growth Stage

Population

Height

Comments

The north part of this tract is cropland, and is okay. The area circled in green is in pasture. It is very weedy, and will need to be reseeded. There is a bit of Canada thistle, marked in red. The two black lines indicate steep areas.

Actions

The pasture portion of this tract should be mowed and reseeded. The steep spots may need a straw mulch to prevent erosion. The Canada thistle should be sprayed after a light frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 2, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Tarnavsky/Dolezal

Field

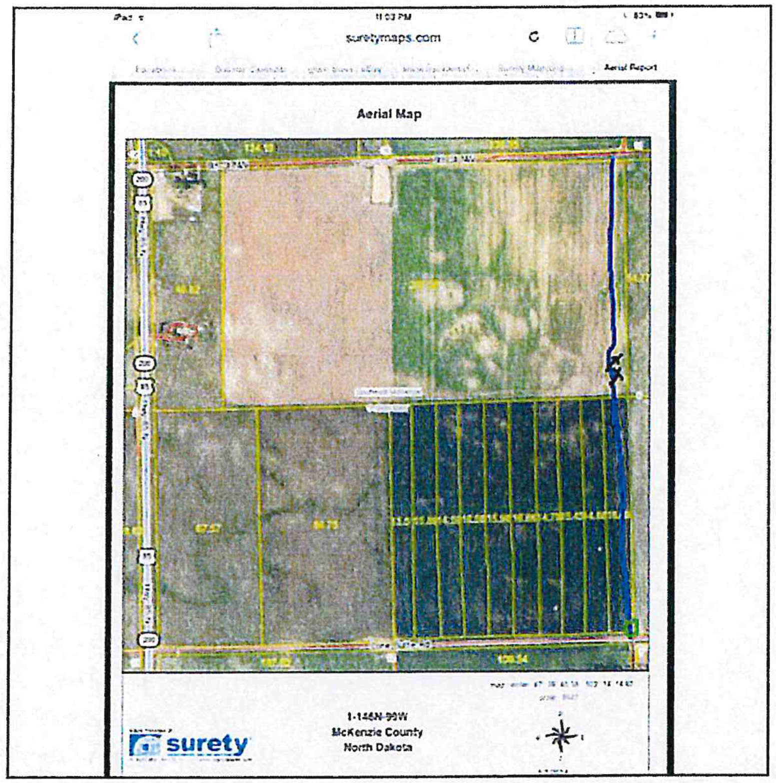
Size

Crop

Growth Stage

Population

Height



Comments

This entire tract runs through cropland, and is good. There are some large rocks in the NE 1/4, marked in black. There is also a weedy patch around the valve station on the far south end of this tract, marked in green.

Actions

The landowner may appreciate the large rocks being removed. The weedy patch around the valve station should be mowed and reseeded.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 2, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Tarnavsky

Field

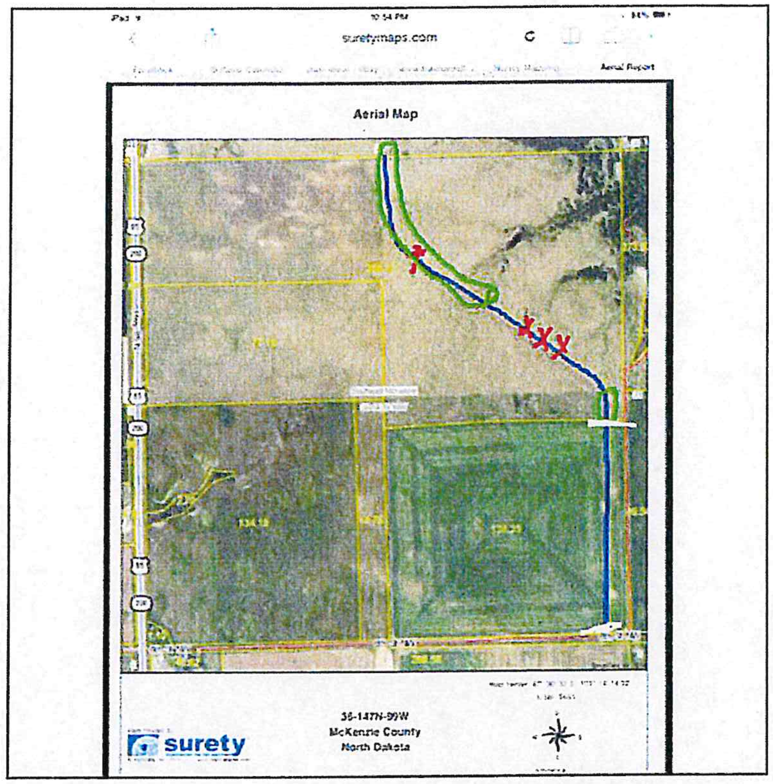
Size

Crop

Growth Stage

Population

Height



Comments

The areas marked in green are almost entirely weeds, and need to be reseeded. The area in between the green circles is mostly okay. There are a few thin spots in there that should get spot-seeded. The red marks are patches of Canada thistle that will need to be sprayed. The cropland, between the white marks, was cut for hay and looks good. There was a little trench settling in the cropland, but not bad.

Actions

The pasture portion of this tract should be mowed and reseeded. The Canada thistles should be sprayed after a light frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 2, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Tarnavsky

Field

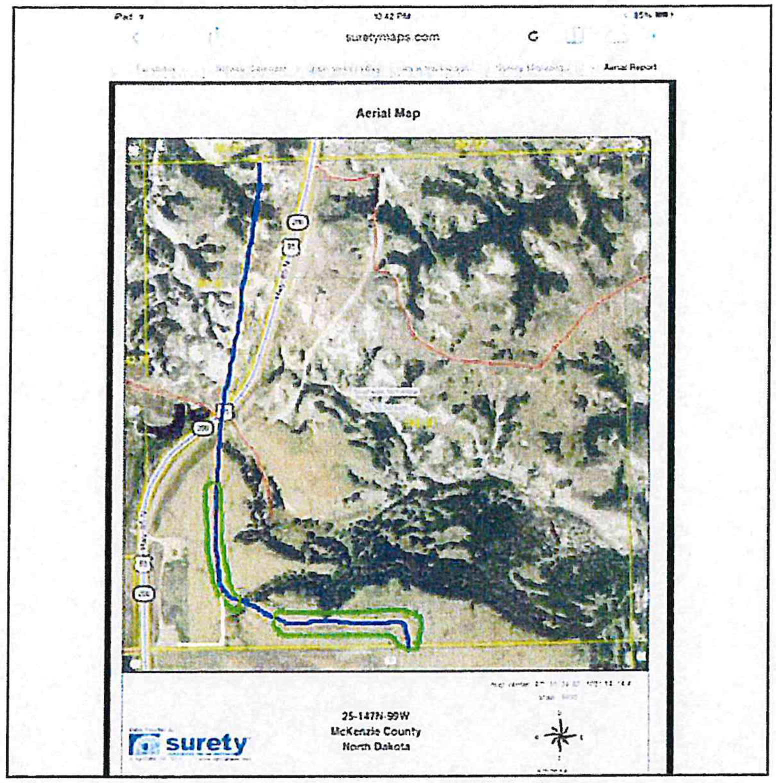
Size

Crop

Growth Stage

Population

Height



Comments

The areas marked in green were trenched, and need to be reseeded. Those areas are mostly weeds. This area is currently being grazed. There is also an "access spur" here, marked in white, that is pretty weedy and should be reseeded. The rest was bored, and is good.

Actions

Mow and reseed the trenched portion of this tract.

RIGHT OF WAY ASSESSMENT MAP
SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 2, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
USA

Field

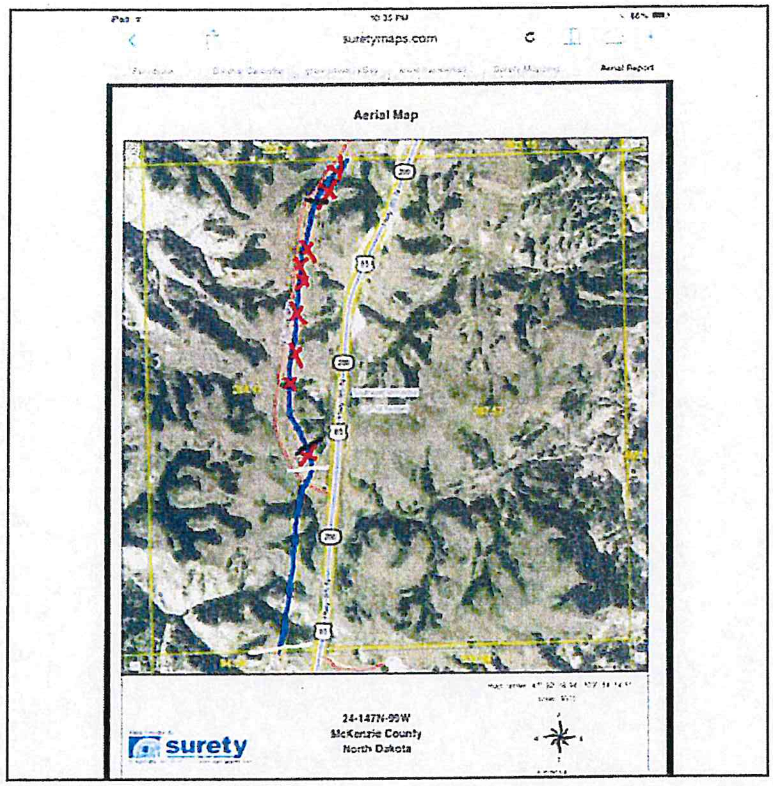
Size

Crop

Growth Stage

Population

Height



Comments

The bored portion of this tract, on the south, looks great. The trenched portion is pretty spotty. There are bare and thin spots all along here. The black marks are spots that get steep.

Actions

This tract should be mowed, and then should be reseeded . There is a lot of Canada thistle to be sprayed here.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 30, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

USA

Field

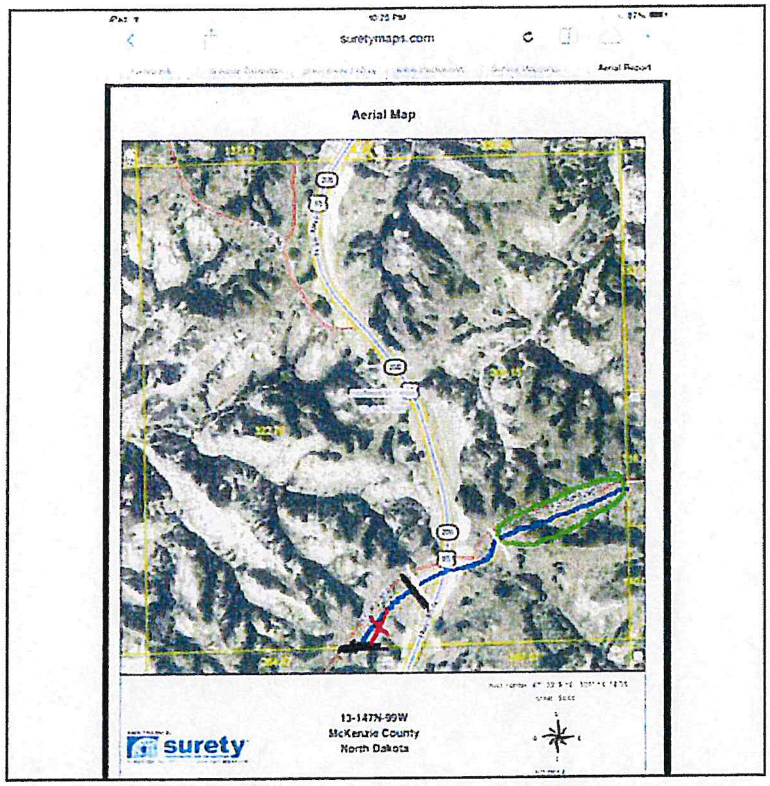
Size

Crop

Growth Stage

Population

Height



Comments

The far east portion of this tract is weedy, with very few grasses, and needs to be reseeded. The bored portion, between the white lines looks great, and needs no attention. The south portion between the black lines has a few small spots that need reseeding, and to have Canada thistle sprayed (marked in red).

Actions

The non-bored portion needs to be mowed and seeded. The north portion will need to be mostly reseeded. The SW portion is mostly just some small patches that need to be reseeded.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 30, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

USA

Field

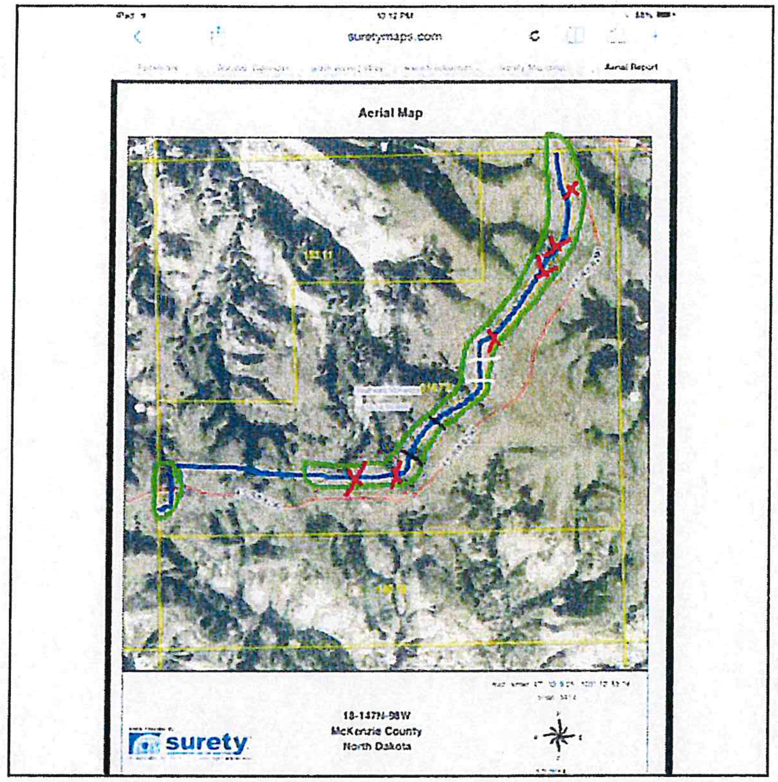
Size

Crop

Growth Stage

Population

Height



Comments

The bored portion of this tract is good. The trenched portion is general weedy, and will need to be mowed, and reseeded. There is a lot of Canada thistle out here, marked in red, to be sprayed. The pipeline gets very steep in the area marked with black lines. The white marked areas are a few washouts to watch for.

Actions

This tract will need to be mowed and reseeded. The bored portion is good and doesn't need any attention. The Canada thistles should be sprayed after a light frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date
August 30, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Dixon

Field

Size

Crop

Growth Stage

Population

Height

Comments

This tract is very rough, and does not have many favorable grasses growing. There is a lot of barnyardgrass and pigweed present. There are several marker posts down from the cows. There is a pretty wet area marked in white, and the trench has sunken in a bit in between the black lines. The pipeline is bored under the road, to the south property line, and is in good shape.

Actions

This tract will need to be mowed, and have the settling fixed. The entire stretch will need to be reseeded, up to the road.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

September 2, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Watson

Field

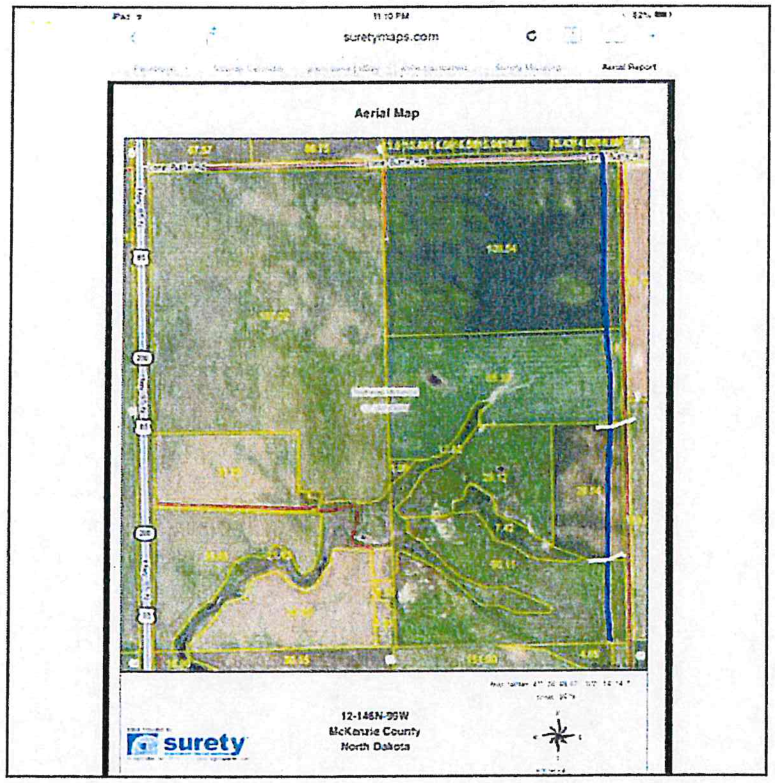
Size

Crop

Growth Stage

Population

Height



Comments

This entire tract is in cropland, and is okay. There is a portion that was hay ground (between the white lines), but the landowner seeded wheat here too.

Actions

None.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 30, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Watson

Field

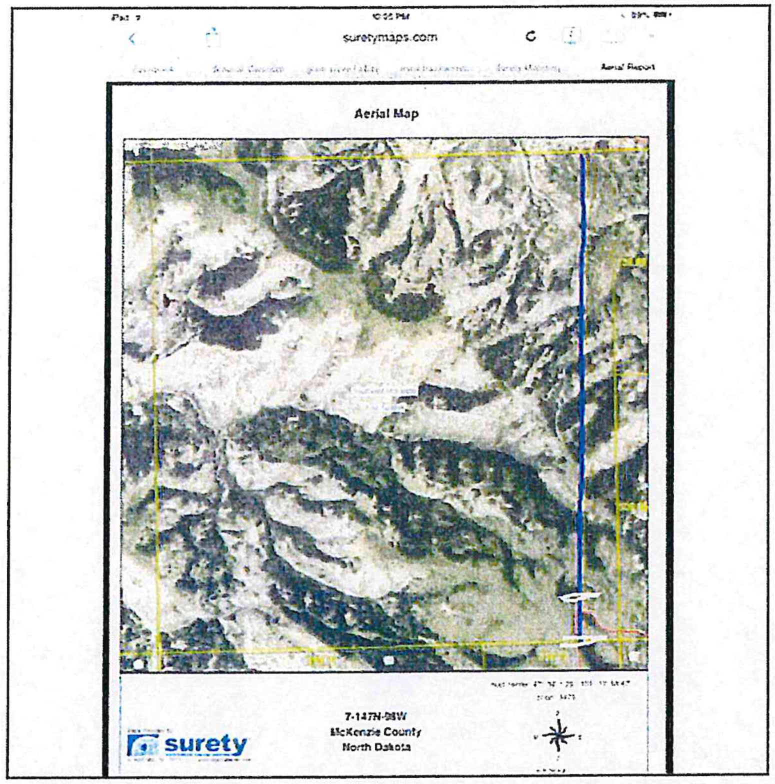
Size

Crop

Growth Stage

Population

Height



Comments

The bulk of this portion was bored, and is okay. The far south end is weedy, and needs mowing. I don't think this portion will need to be reseeded.

Actions

Mow the far south end where the pipeline was trenches in

RIGHT OF WAY ASSESSMENT MAP
SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date
August 30, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Olson

Field

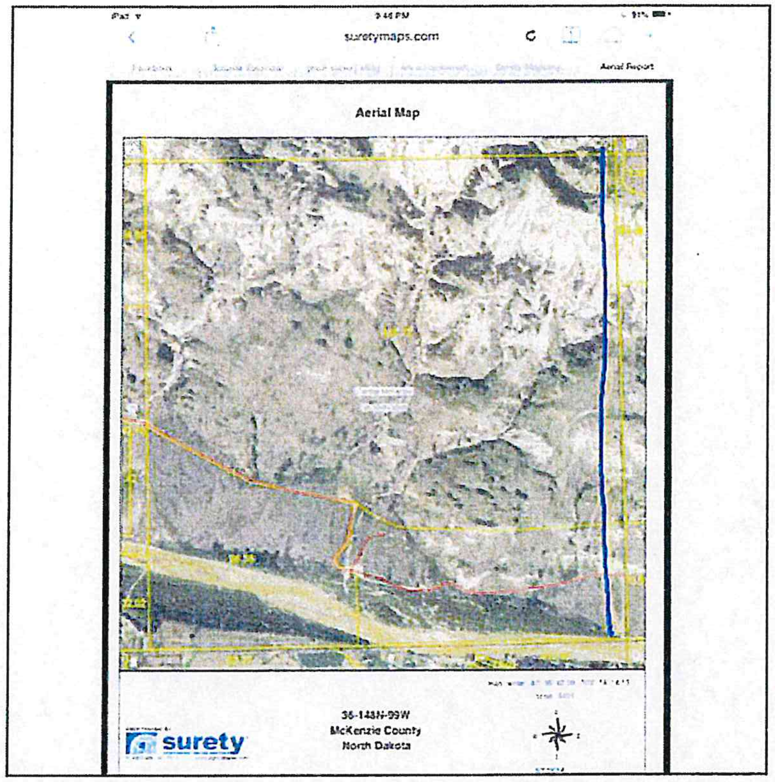
Size

Crop

Growth Stage

Population

Height



Comments
This entire tract was bored, and is okay.

Actions
None.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 30, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Stutrud

Field

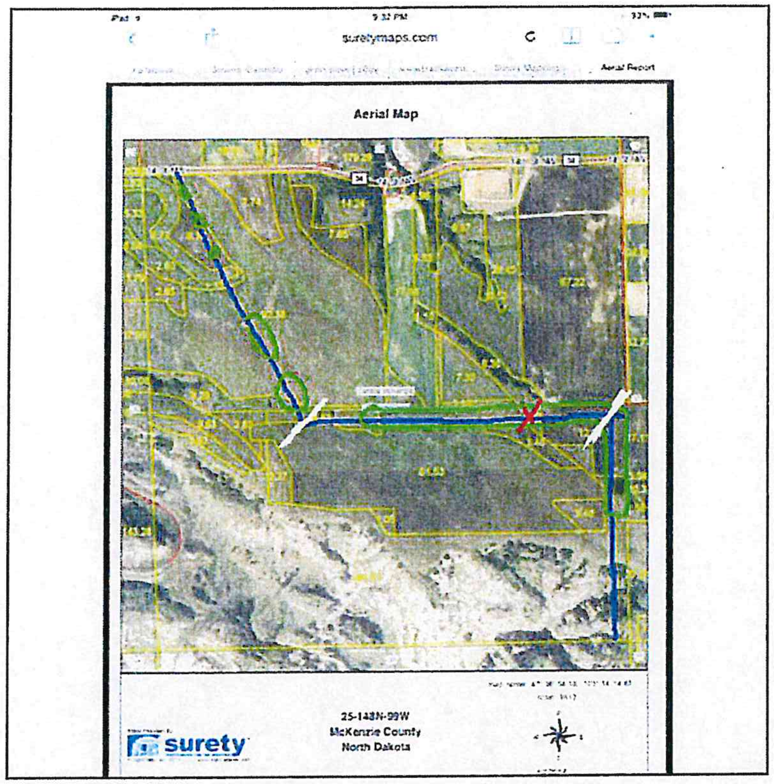
Size

Crop

Growth Stage

Population

Height



Comments

This tract is very weedy, and needs to be mowed. The alfalfa came in good in areas, but the grasses did not fare well at all. There is some rutting here that should be addressed. The areas marked in green are mostly weeds, and should be reseeded. The east/west portion of the pipeline, between the white marks, has some berms that need attention. There was some Canada thistle, marked in red, to be sprayed. The far south portion is bored, and is okay. I ran into the renter, and he expressed some concern at the lack of grasses.

Actions

This tract should be mowed, and the rough spots should be leveled. It could then be reseeded. The Canada thistle should be sprayed after a light frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date
August 27, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Marmon

Field

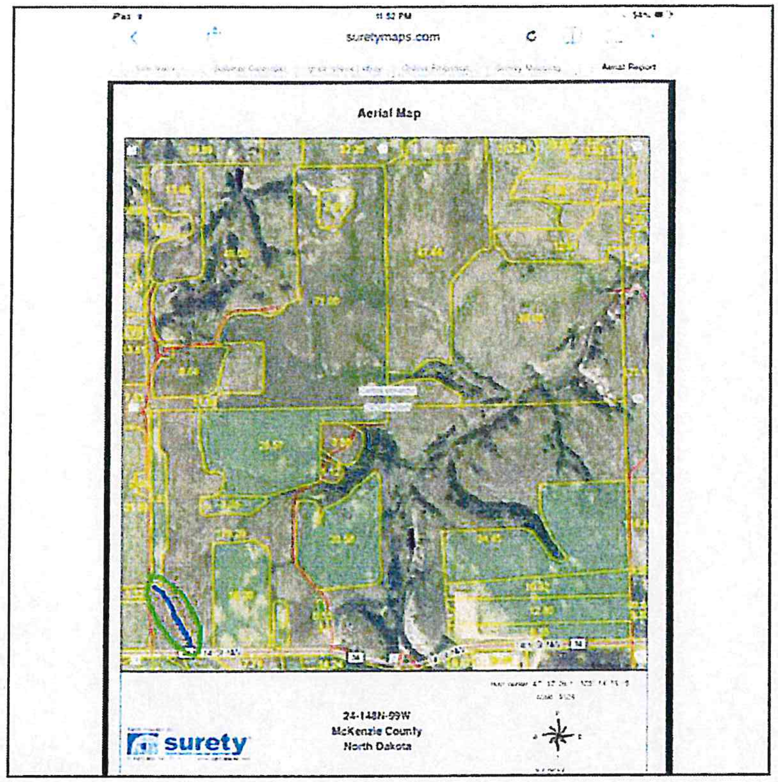
Size

Crop

Growth Stage

Population

Height



Comments
This area is mostly weeds, and needs to be reseeded.

Actions
Reseed.

RIGHT OF WAY ASSESSMENT MAP
SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Borseth

Field

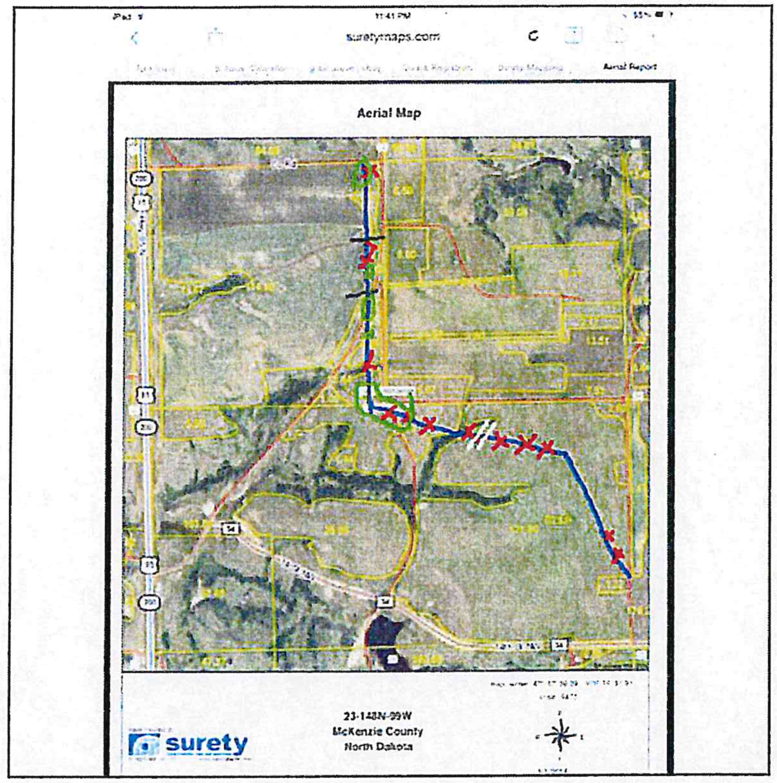
Size

Crop

Growth Stage

Population

Height



Comments

There are a number of small areas, in green, that need to be reseeded. There is also a lot of Canada thistle, marked in red. This tract has not been mowed yet, but really needs it. There are also some ruts marked in white. The landowner should be contacted. The portion between the two black lines used to be cropland. It should probably get mowed. There has been no mowing done here yet.

Actions

The ruts here should be addressed, then the areas in green can be reseeded. The Canada thistle will need to be sprayed after the first frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESSEDING FROM FRY BERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Tweden/Wilson/Borseth

Field

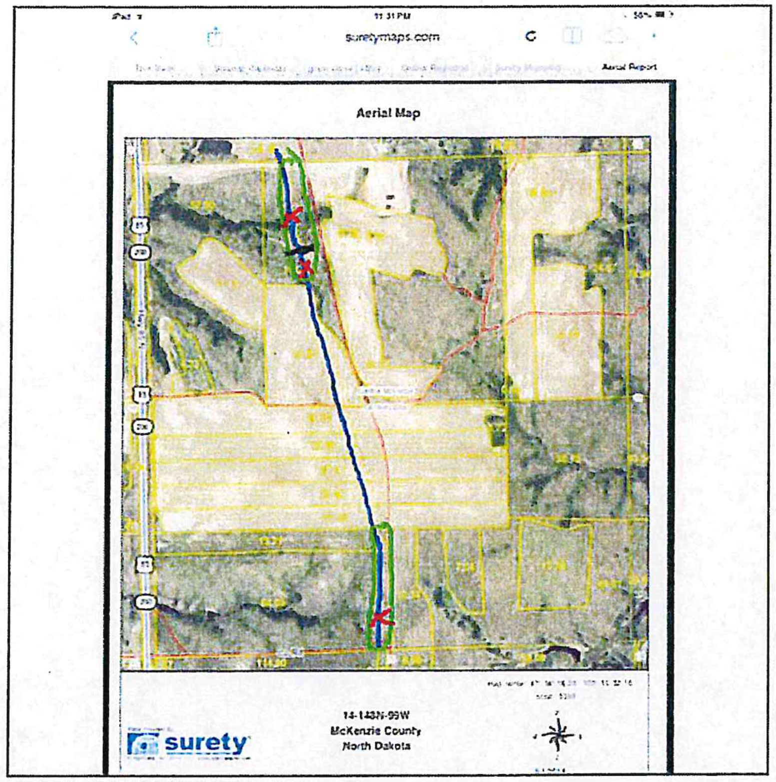
Size

Crop

Growth Stage

Population

Height



Comments

The areas circled in green are mostly weeds, and need to be reseeded. The cropland in the middle is okay. There are some areas with Canada thistle, marked in red, that will need to be sprayed. There was one wet area, marked in black.

Actions

The areas in green will need to be reseeded. Watch out for the wet spot. Spray the Canada thistle after the first light frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Norstog/Zingleman

Field

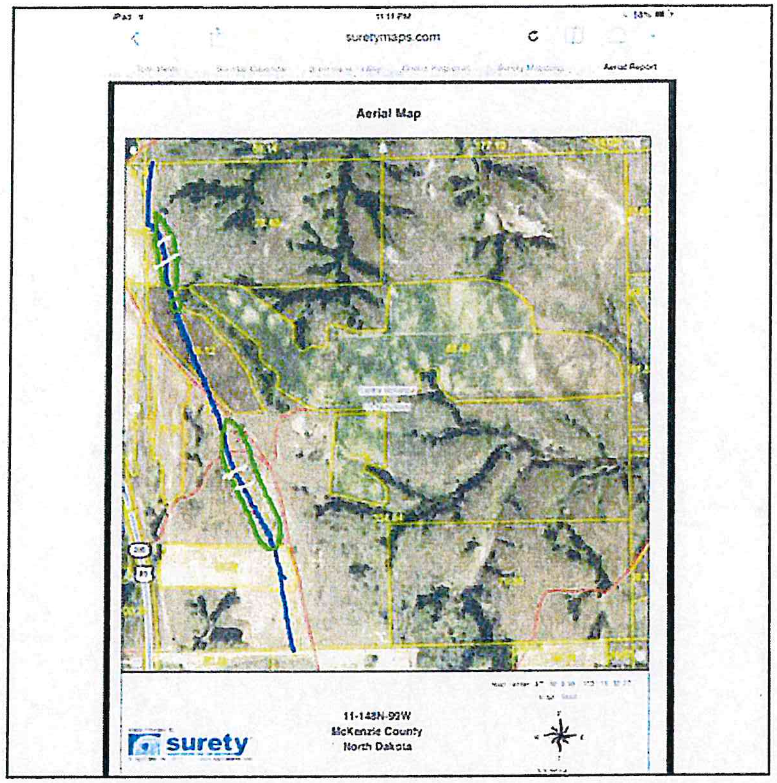
Size

Crop

Growth Stage

Population

Height



Comments

On the Norstog land, there are a fair bit of weeds in spots, which should be reseeded. The area circled in green on the Zingleman land should be reseeded as well. There are some ruts in a few places, marked in white. This entire tract has not been mowed yet.

Actions

The ruts should be leveled, then this tract is will be ready to have the green areas reseeded.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Stenehjem/Zingleman/Norstog

Field

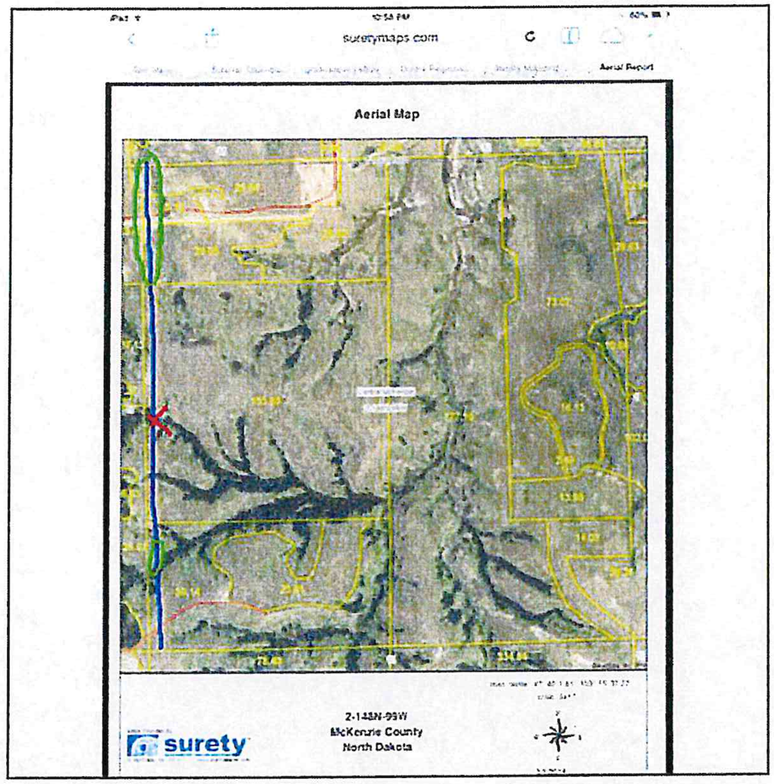
Size

Crop

Growth Stage

Population

Height



Comments

The areas marked in green are mostly weeds, and need to be reseeded. The utility company hauled in powerline poles, and left some good-sized ruts on the Zingleman ground. This area may need a little reseeding after the ruts are leveled. There was also some Canada thistle that will need to be sprayed, marked in red, on the Zingleman land.

Actions

The ruts on the Zingleman land will need to be repaired first. They may require reseeding, too. The areas in green should be reseeded. There was one small Canada thistle patch to spray after a light frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Zubke/Sondrol/Stenehjem

Field

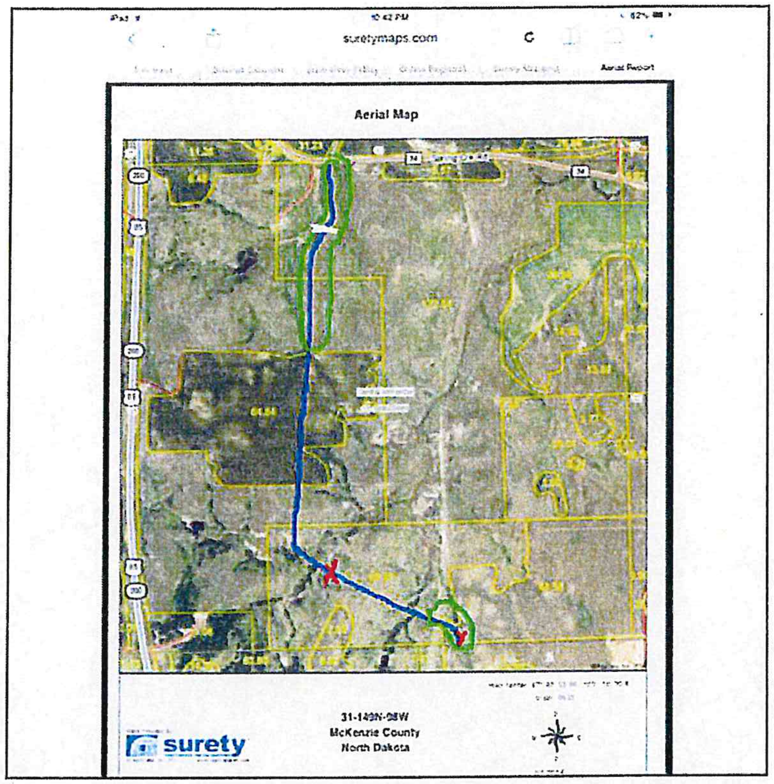
Size

Crop

Growth Stage

Population

Height



Comments

This area was not mowed yet. The weeds were pretty tall in places. The northern most portion will need to be reseeded, as will a little bit on the far south portion of this tract. There are some patches of Canada thistle, marked with red, that will need to be sprayed. There is a steep spot, marked in white, that may require some straw mulch to prevent erosion.

Actions

The areas marked in green will need reseeding. The Canada thistle should be sprayed right after the first frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported by

Tom Irwin

Grower

BakkenLink

Farm

Rauser/Sondrol/Great Northern

Field

Size

Crop

Growth stage

Population

Height

Comments

The area circled in green is very weedy, and will need to be reseeded. NE of 125th Ave, there is some Canada thistle that will need to be sprayed after this is seeded, and there is a little settling in the pipeline trench. The west portion runs through cropland, and is okay. The are some weeds south of the terminal.

Actions

The settling in the NE portion should be filled in, then the weedy portions should be reseeded. After a light frost, the Canada thistle should be sprayed.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Rauser

Field

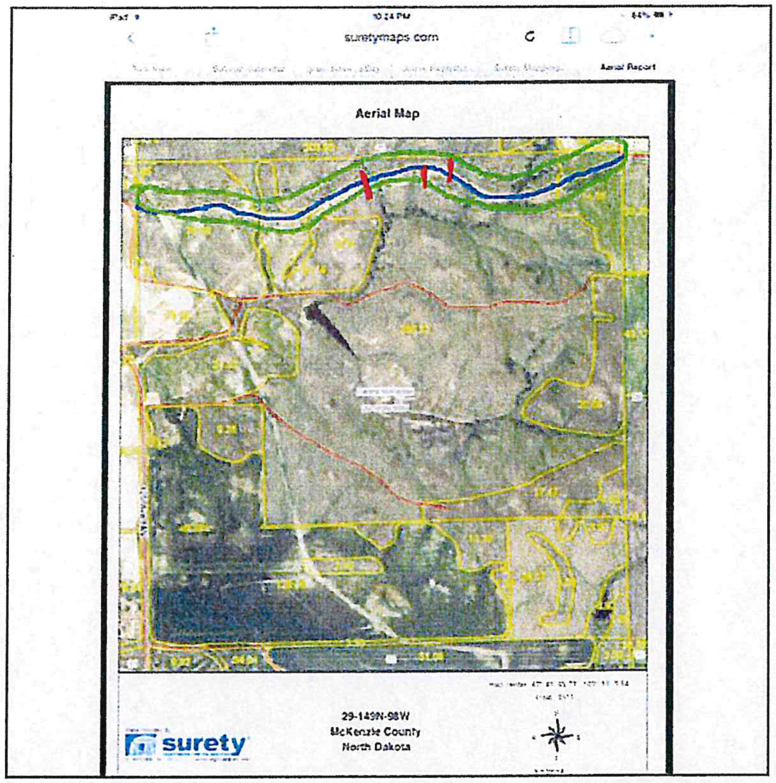
Size

Crop

Growth Stage

Population

Height



Comments

This entire tract is mostly weeds, and will need to be reseeded. The area towards the east end is surrounded by a lot of weeds. There are a few very steep areas, marked in red, which may require a straw mulch to help hold the soil in place.

Actions

This will need to be reseeded.

RIGHT OF WAY ASSESSMENT MAP
SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Prestangen/Rauser

Field

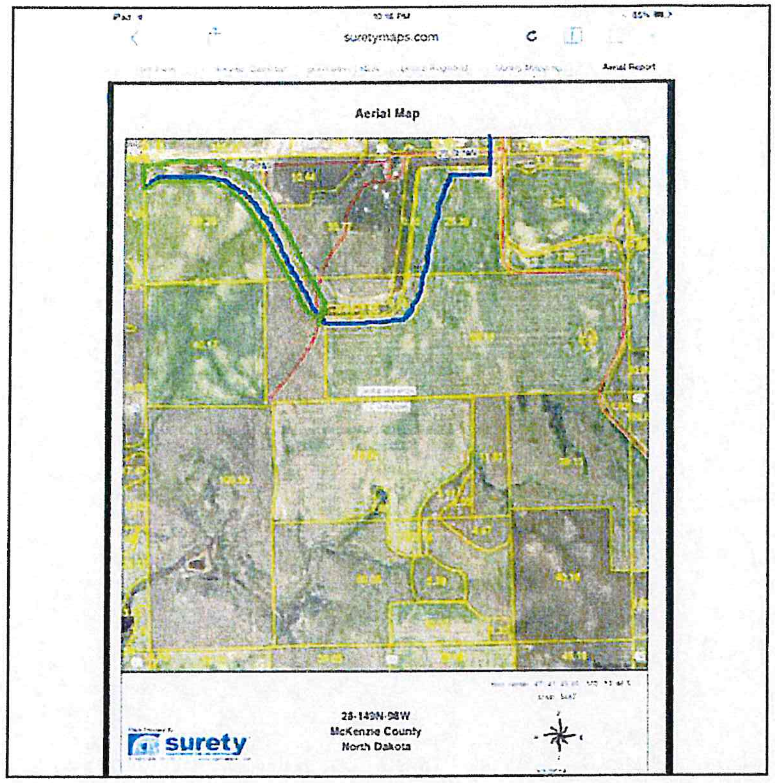
Site

Crop

Growth Stage

Population

Height



Comments

The east portion of this tract runs through cropland, and is okay. The west portion runs through grassland, and is very weedy. The far west portion, on the Rauser land, is surrounded be very weedy vegetation.

Actions

Reseed the portion of this tract circled in green.

Right of WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING From FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Grower

BakkenLink

Farm

Wiseness

Field

Tom Irwin

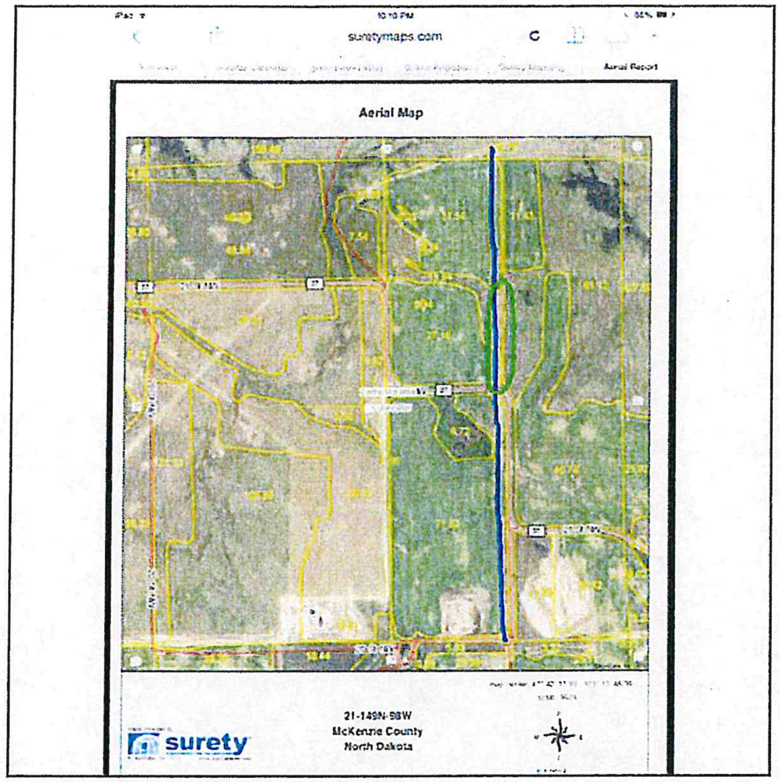
Size

Crop

Growth Stage

Population

Height



Comments

The bulk of this tract is in cropland, and is fine. The section circled in green is weedy and will need reseeding. There are also some ruts there that will need leveling.

Actions

The area in green should get some leveling and then be reseeded.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 4 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

State Of North Dakota

Field

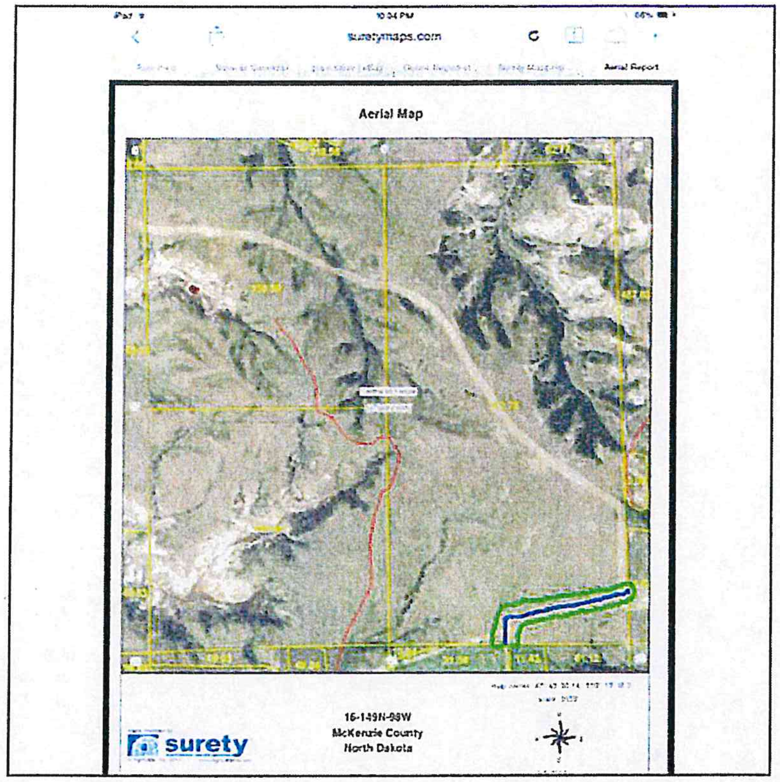
Size

Crop

Growth Stage

Population

Height



Comments

This tract is mostly weeds, and will need to be reseeded.

Actions

Reseed.

RIGHT OF WAY ASSESSMENT MAP
SHOWING LEGS RESEEDING FROM FRYBERG

ScoutDoc

Date
August 27, 2014

Visit
1

Recorded By
Tom Irwin

Grower
BakkenLink

Farm
Stevenson

Field

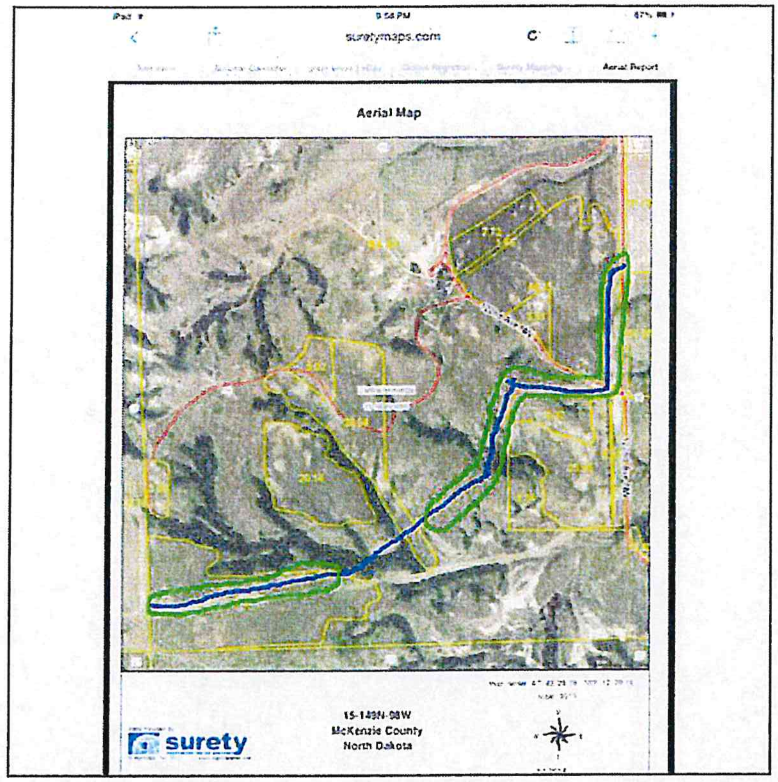
Size

Crop

Growth Stage

Population

Height



Comments
The majority of this tract will need to be reseeded, except for where it was bored. The landowner seeded 1.5 miles, and Larry will need to reseed 3/4 mile.

Actions
Paul has shown Larry which part to reseed.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date
August 27, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Malm

Field

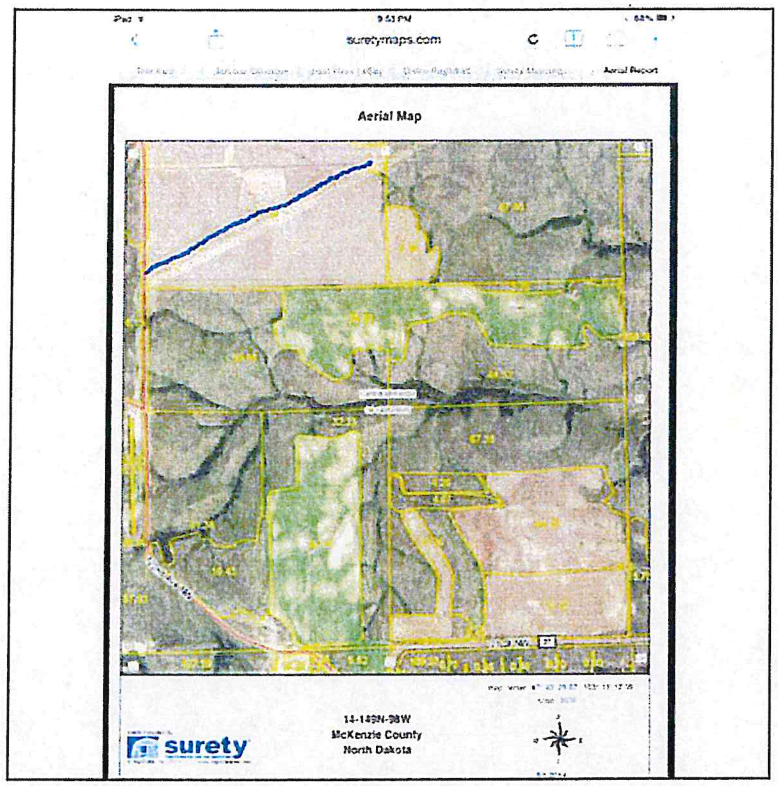
Size

Crop

Growth Stage

Population

Height



Comments
This tract has WBI pipeline crossing the ROW. I understand WBI is responsible for this portion.

Actions
None at this time.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Hoffmann/Malm

Field

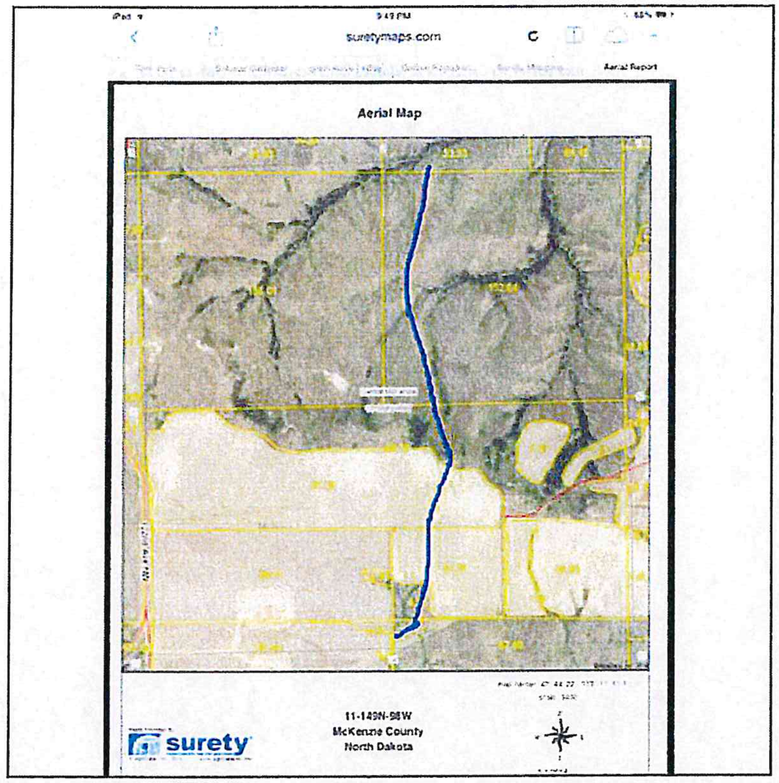
Size

Crop

Growth Stage

Population

Height



Comments

This tract has WBI pipeline crossing the ROW. I understand WBI is responsible for this portion.

Actions

None at this time.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Broderson/Hoffmann

Field

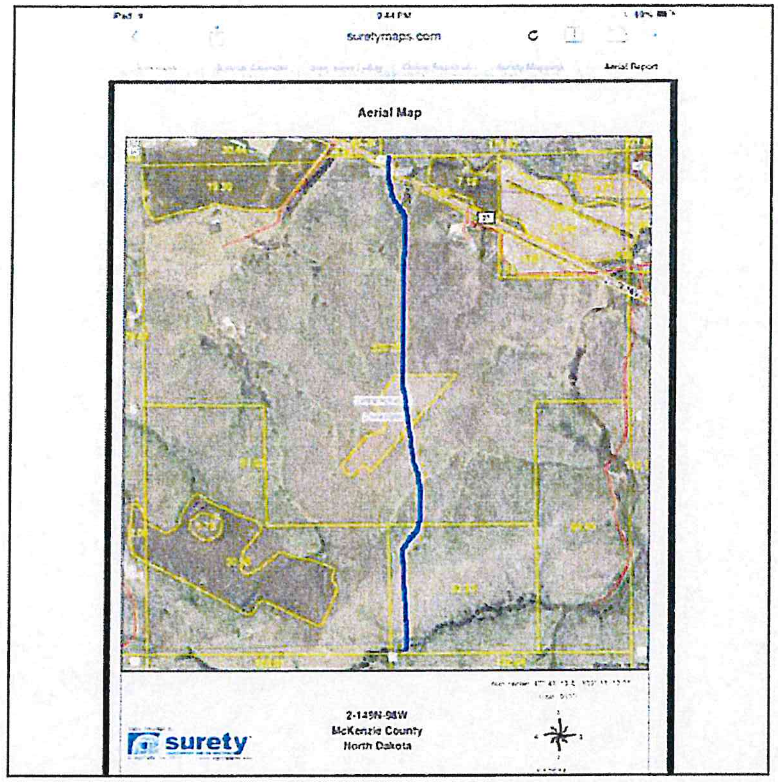
Size

Crop

Growth Stage

Population

Height



Comments

This tract has WBI pipeline crossing the ROW. I understand WBI is responsible for this portion.

Actions

None at this time.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Hoffmann

Field

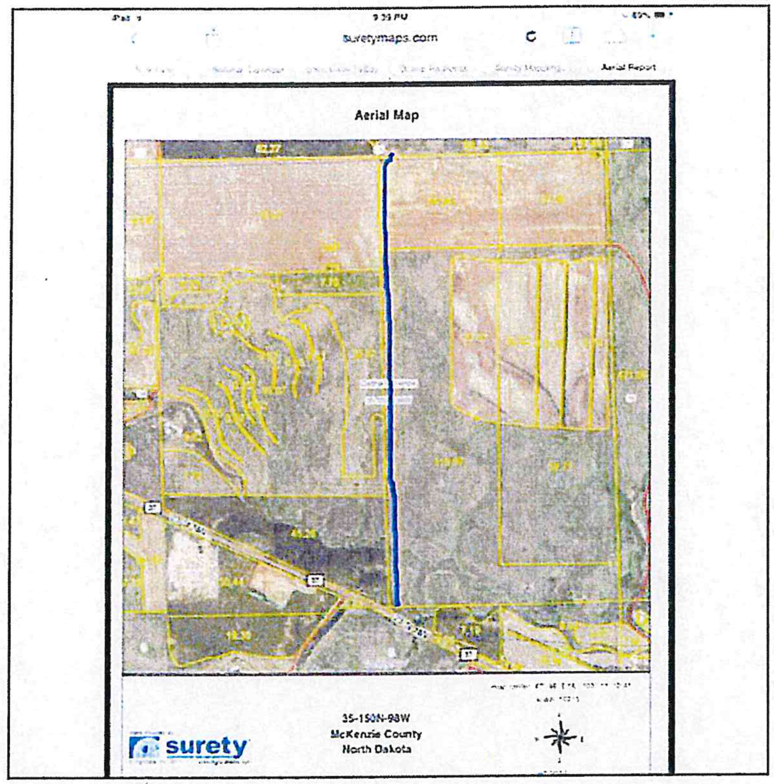
Size

Crop

Growth Stage

Population

Height



Comments

This tract has WBI pipeline crossing the ROW. I understand WBI is responsible for this portion.

Actions

None at this time.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Hartel/Koeser

Field

Size

Crop

Growth Stage

Population

Height

Comments

Lemoine has requested this be planted next spring.

Actions

Hold off till spring.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Hartel/Koeser

Field

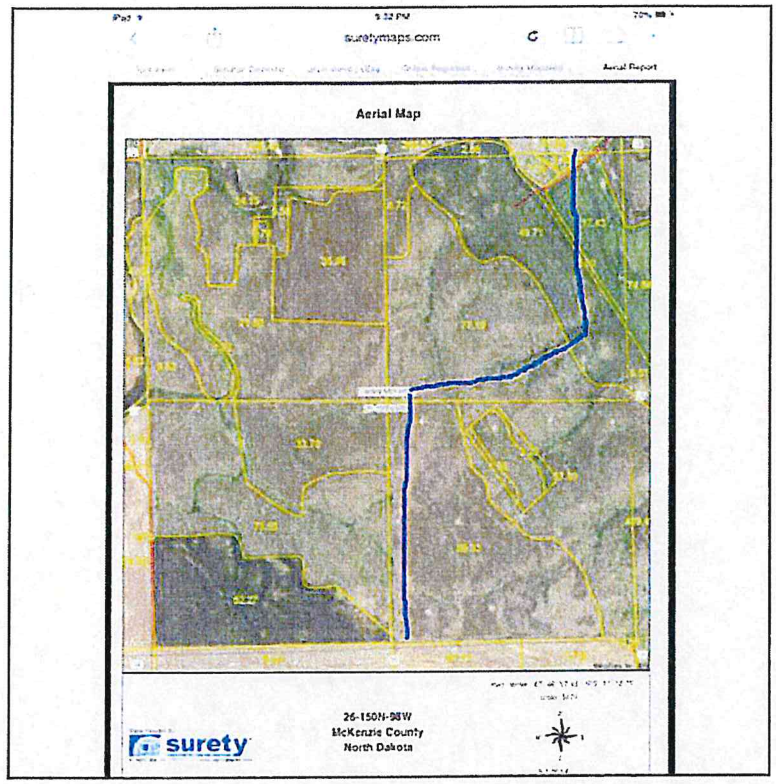
Size

Crop

Growth Stage

Population

Height



Comments

Lemoine Hartel (NE 1/4), requested any reseeding be done next spring. The WBI pipeline follows most of this tract, and I understand they are assuming responsibility for this land.

Actions

None at this time.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Sorenson

Field

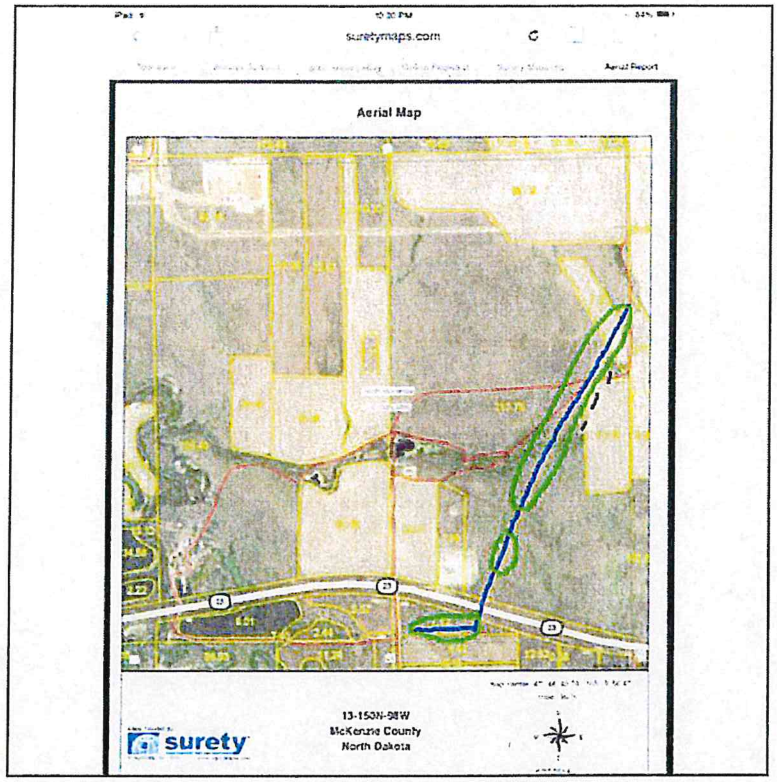
Size

Crop

Growth Stage

Population

Height



Comments

The 2 areas marked in green need to be reseeded. The black line indicates a berm to be leveled.

Actions

The green areas need to be reseeded. The berm needs to be leveled along the black line. There are also 2 water bars that potentially could be taken out. Landowner should be asked if they want to keep them or not.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Lund/Sorenson

Field

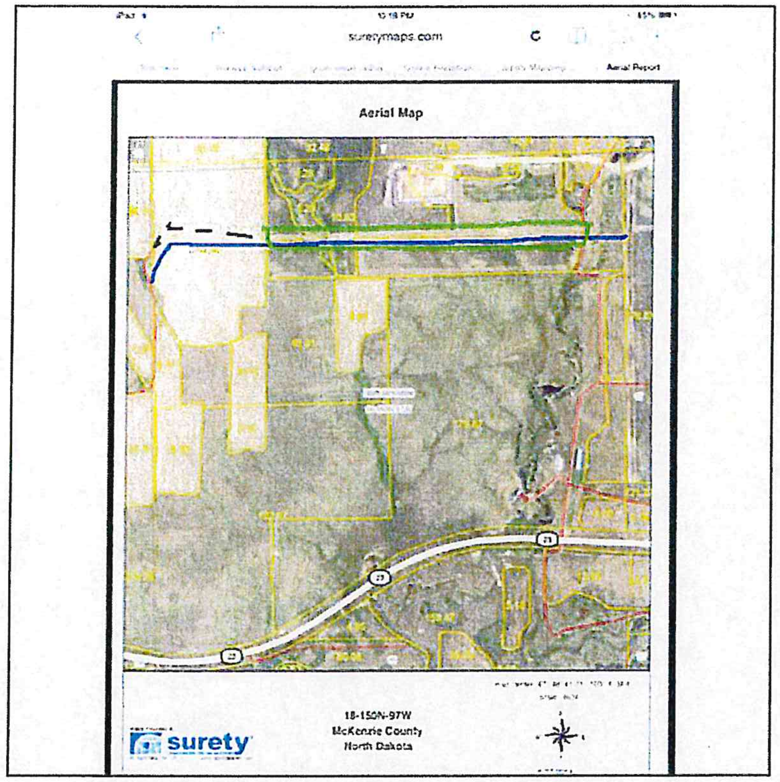
Size

Crop

Growth Stage

Population

Height



Comments

The area in the green is weedy, and will need to be reseeded. The area on Sorenson's property has some berms that need leveling.

Actions

The area in green will need to be reseeded. The berm along the black line will need to be leveled. Sorenson's is cropland, and won't need to be seeded.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Lund

Field

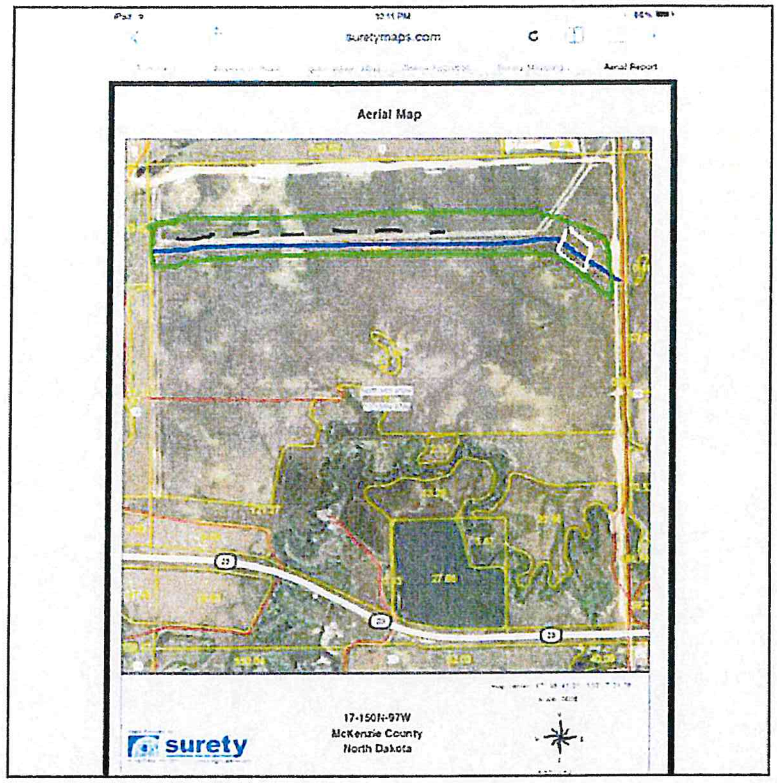
Size

Crop

Growth Stage

Population

Height



Comments

This whole section is pretty weedy, and needs to be reseeded. There is a berm, marked with black, on much of the north side of the pipeline that will need to be smoothed. There is also a sunken area, marked in white.

Actions

This area will need some leveling, and will then need to be reseeded.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date
August 26, 2014

Visit
1

Reported by
Tom Irwin

Grower
BakkenLink

Farm
Klamm/Ravin/Veeder

Field

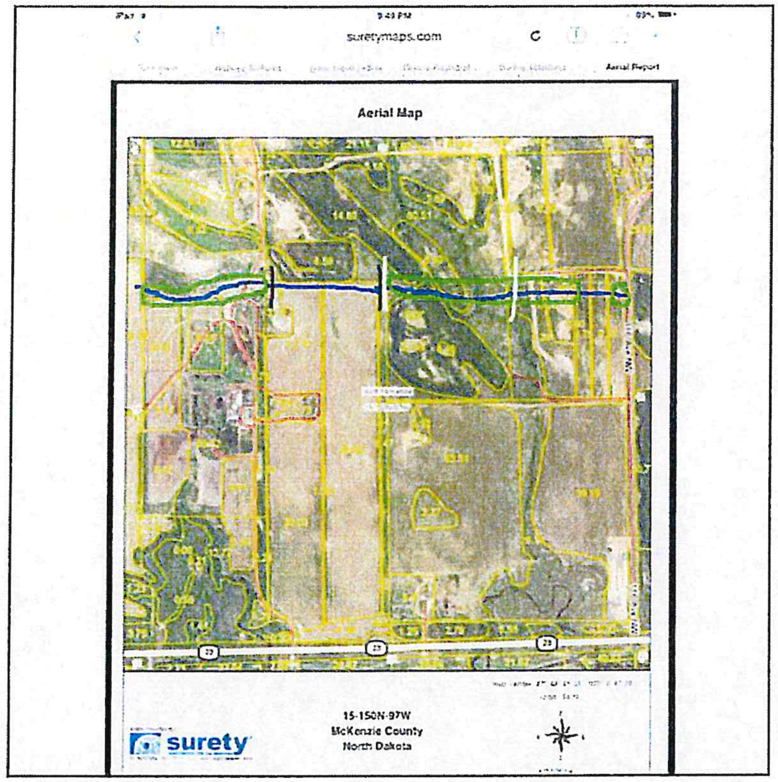
Size

Crop

Growth Stage

Population

Height



Comments

The areas marked in green will need to be reseeded. The area between the two black lines will likely be seeded to corn next year. The farmer requested this area be disked. Paul Klamm indicated they would likely be interested in seeding their own ground.

Actions

The Ravin ground, between the two white lines, needs to be reseeded. The Veeder land will need to be disked. Follow up with Paul Klamm to see if they want to seed their own ground.

Right OF WAY ASSESSMENT MAP SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 26, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Klamm

Field

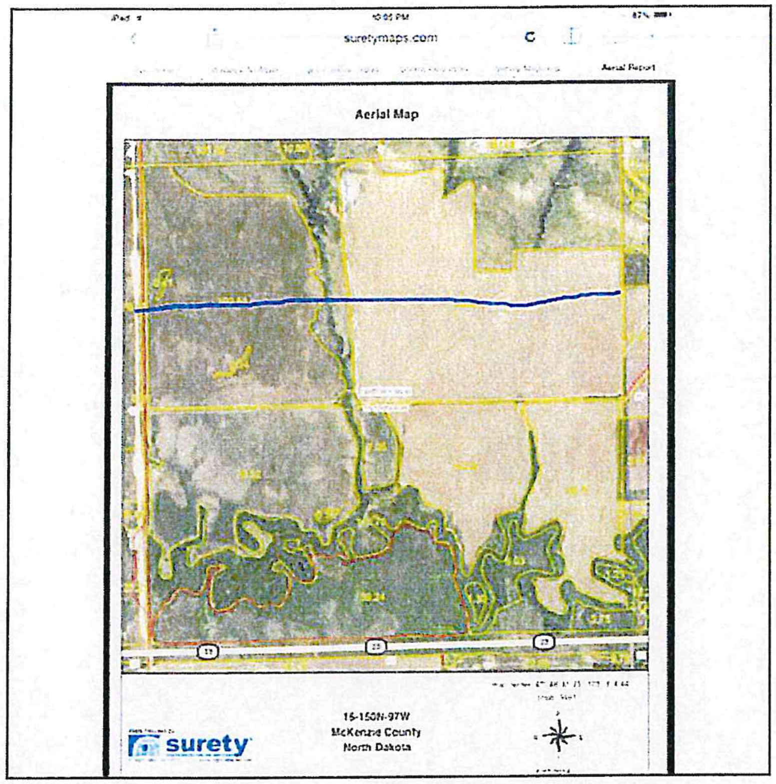
Site

Crop

Growth Stage

Population

Height



Comments

This area is pretty weedy, but the landowner may want to reseed this themselves.

Actions

Follow up with Paul Klamm, to see if they want to reseed themselves.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 26, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Ravin

Field

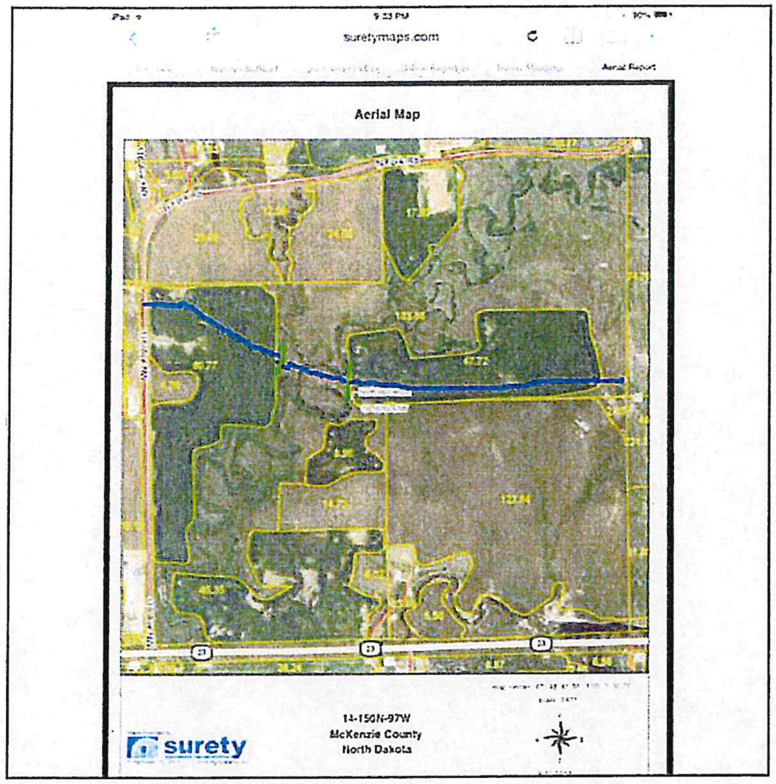
Size

Crop

Growth Stage

Population

Height



Comments

This section looks good, except for the area between the two green lines. This area has been grazed bare by the cattle.

Actions

The landowner should be contacted to see if they want it reseeded.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 26, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Rink/Ravin

Field

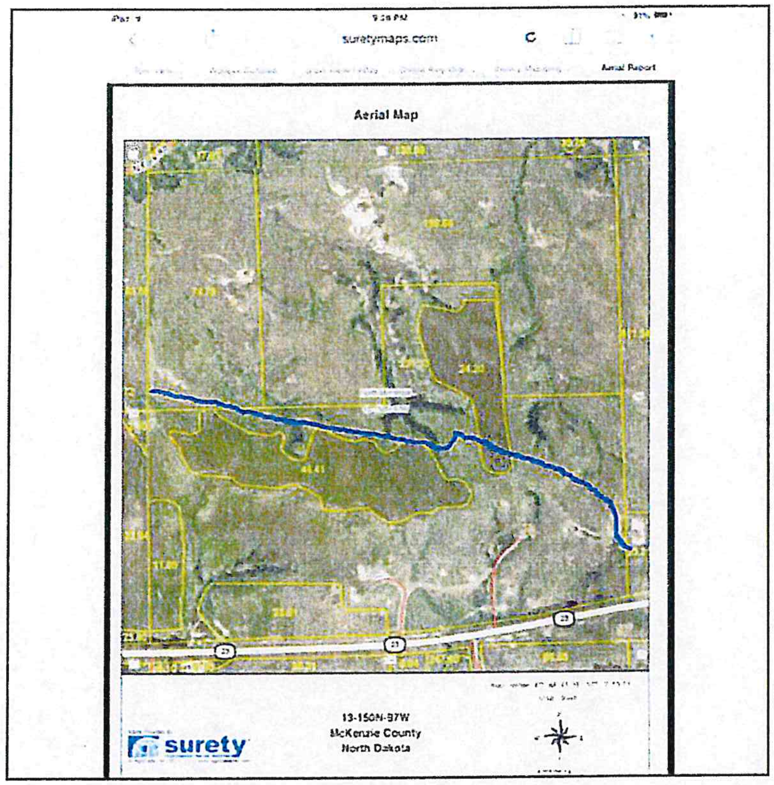
Size

Crop

Growth Stage

Population

Height



Comments

This area is good for now.

Actions

None.

Right of WAY ASSESSMENT MAP SHOWING
LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 27, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Koeser/Hartel

Field

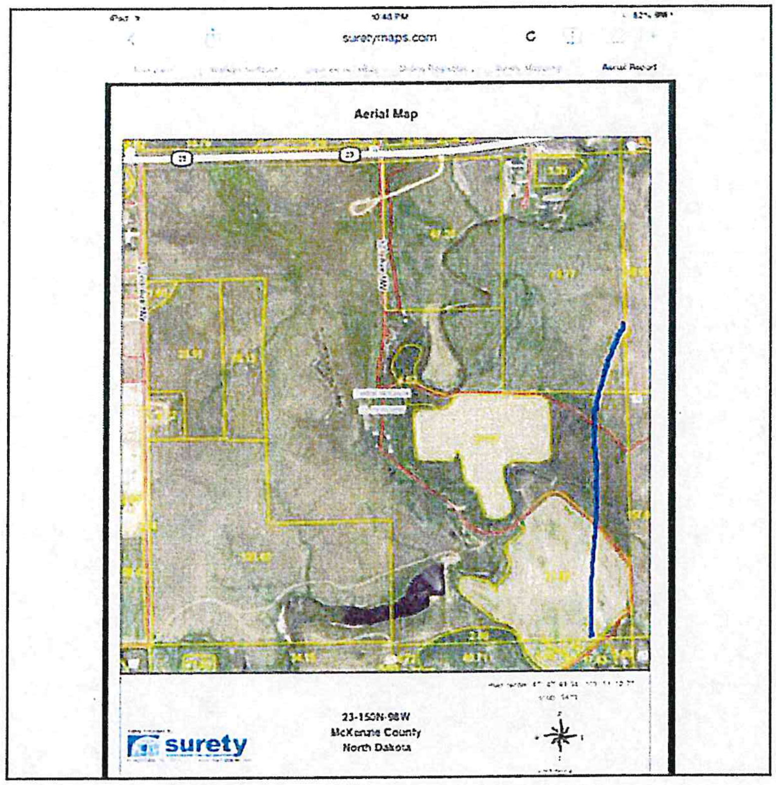
Size

Crop

Growth Stage

Population

Height



Comments

Most of this section is intertwined with the WBI pipeline. There may be a little bit that needs reseeded. Lemoine wants to have his ground spring seeded.

Actions

None.

Right OF WAY ASSESSMENT MAP SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 26, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Parrish

Field

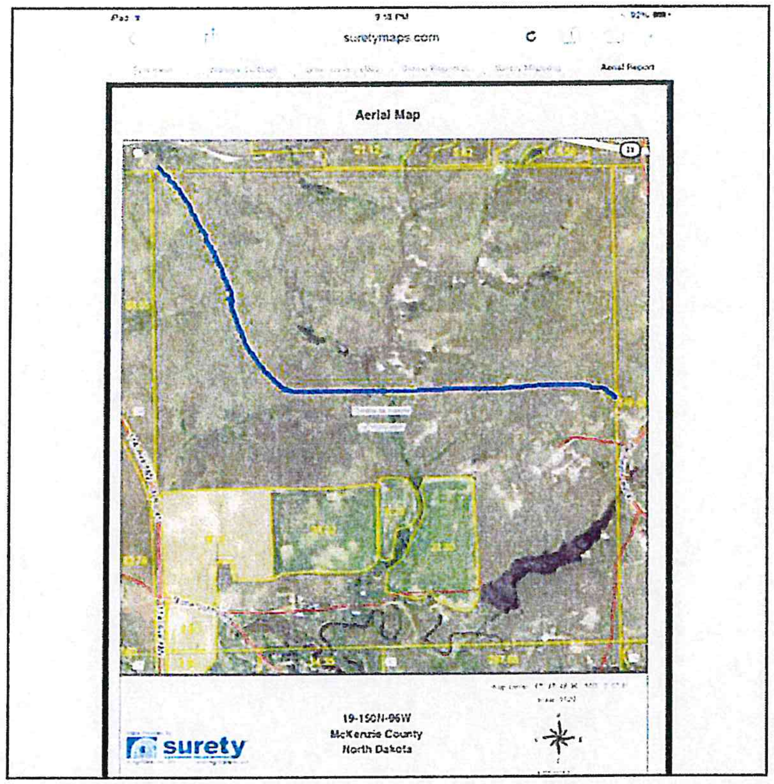
Size

Crop

Growth Stage

Population

Health



Comments

This area looks good for now.

Actions

None.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 26, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Lillibridge

Field

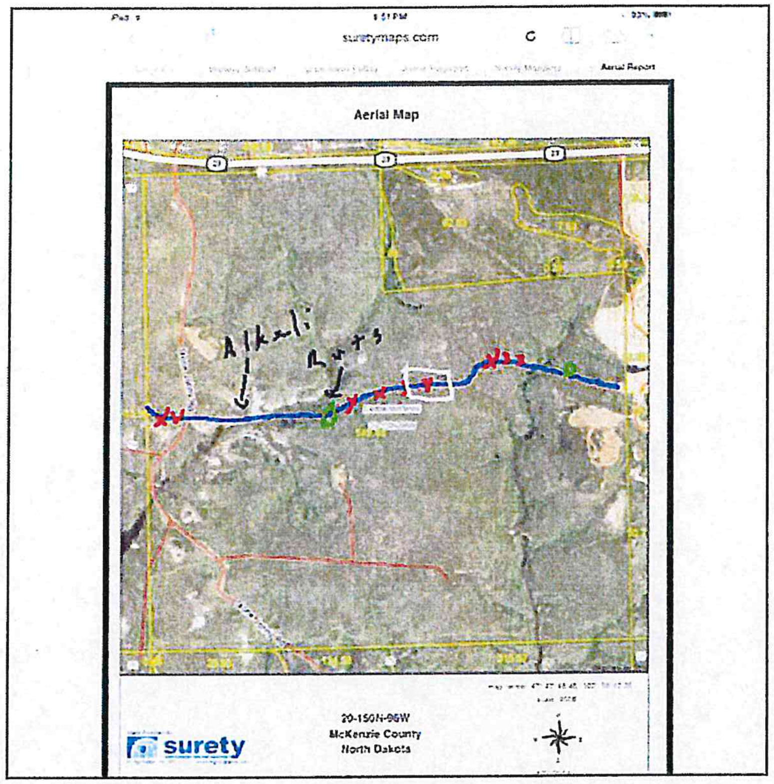
Size

Crop

Growth Stage

Population

Height



Comments

There are just a few small areas that need to be reseeded marked in green. The trench is settling in the area marked in white. There is a fair bit of Canada thistle to deal with here.

Actions

The settled area will need to be leveled and reseeded. The 2 spots marked in green will need to be reseeded too. The Canada thistle should be sprayed after a light frost.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date
August 26, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Rink

Field

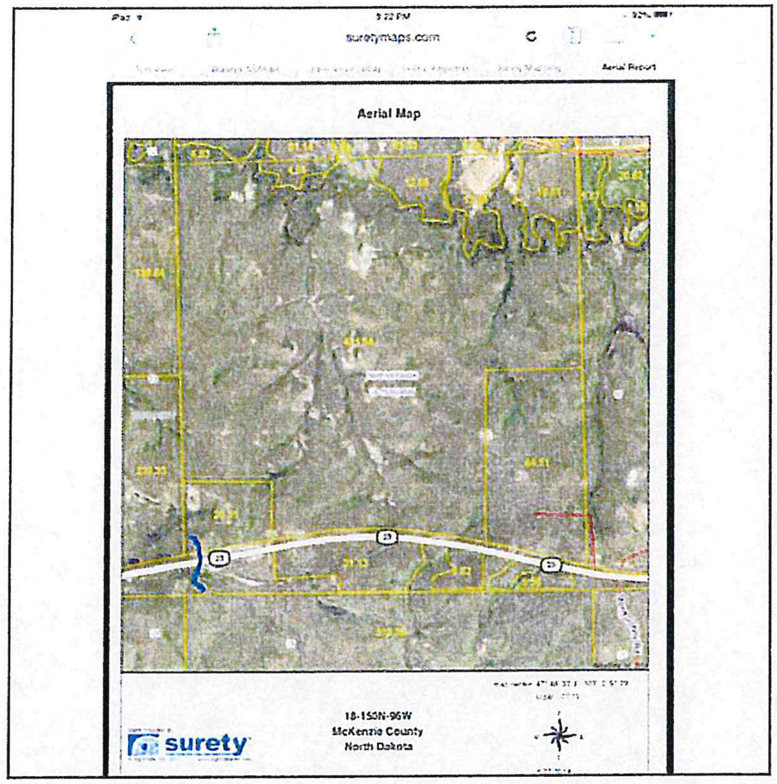
Size

Crop

Growth Stage

Population

Height



Comments
This area is good for now.

Actions
None.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date
August 26, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Johnson/Johnsrud/Rink

Field

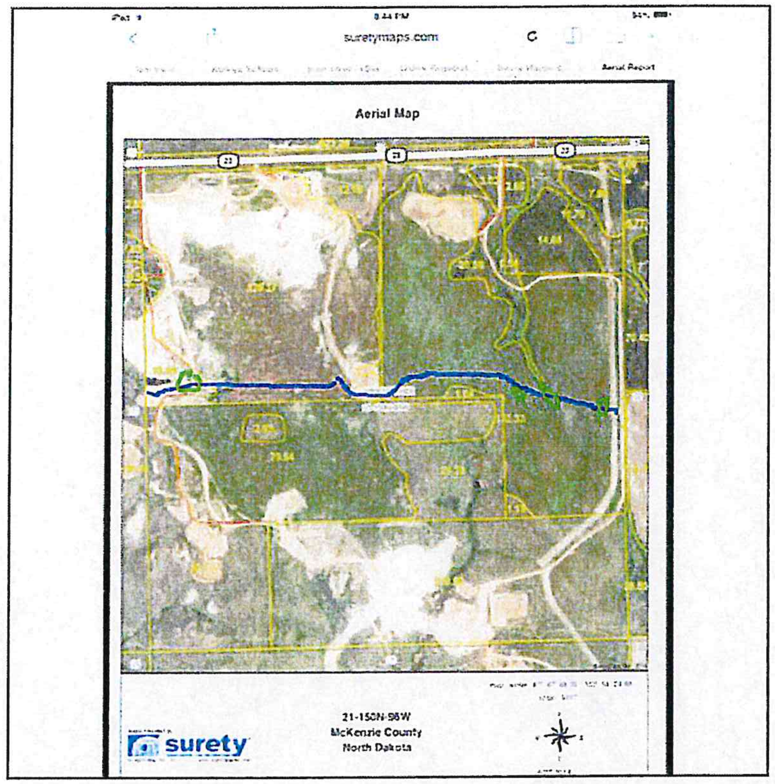
Size

Crop

Growth Stage

Population

Height



Comments
There are a few areas marked in green to be reseeded. The Johnsrud and Rink areas are pretty weedy, but so is the land adjacent to the pipeline.

Actions
Reseed the 4 areas marked in green. Also, contact Johnsrud's and Rink's, to see how they want their land handled.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 26, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Lillibridge

Field

Size

Crop

Growth Stage

Population

Height

Comments

The only area needing reseeding here is a small area in the middle of the section, marked in green. The Lillibridge property in the SW quarter is cropland, but has not yet been sprayed or worked.

Actions

Contact Lillibridge to see if they need anything done.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date

August 26, 2014

Visit

2

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Johnson/Lillibridge

Field

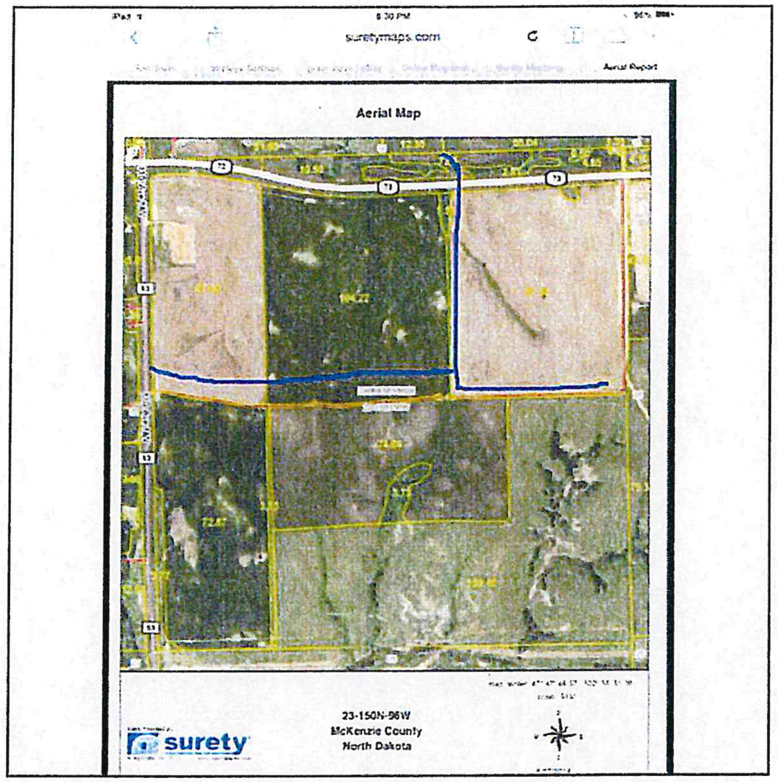
Size

Crop

Growth Stage

Population

Height



Comments

This section is mostly crop land, and is okay for now.

Actions

None.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date
August 26, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Veeder

Field

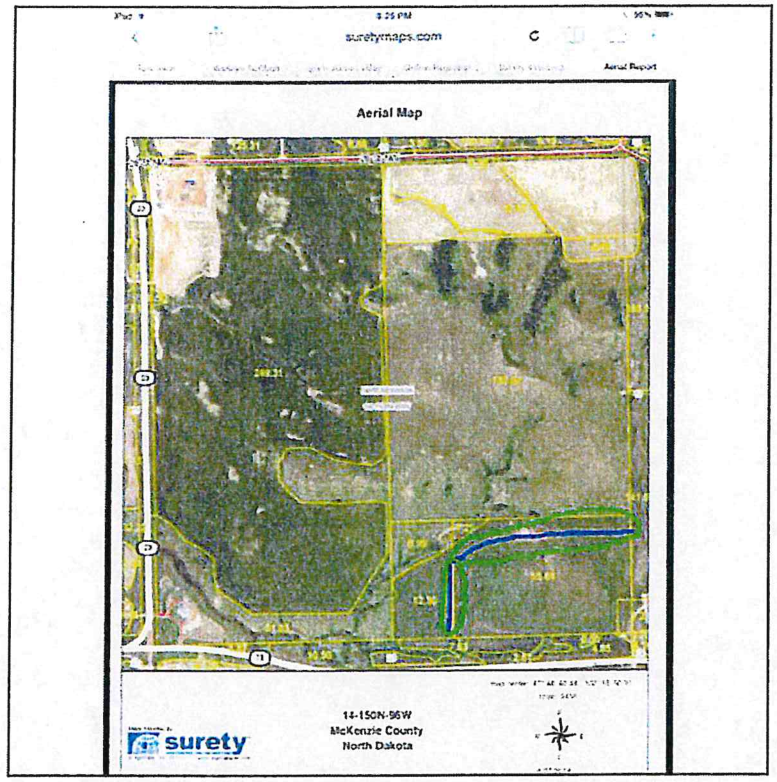
Size

Crop

Growth Stage

Population

Height



Comments
This entire piece will need to be reseeded.

Actions
Reseed all the ROW in section 14.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 5 RESSEEDING FROM FRYBERG

ScoutDoc

Date

August 26, 2014

Visit

1

Reported By

Tom Irwin

Grower

BakkenLink

Farm

Veeder

Field

Size

Crop

Growth Stage

Population

Height

Comments

This section is okay, except the 3 small areas marked in green. There are also patches of Canada thistle that should be dealt with.

Actions

The 3 small areas in green need to be reseeded, and there are patches of Canada thistle to spray after a light frost marked with red X's.

RIGHT OF WAY ASSESSMENT MAP
SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date
August 26, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Levang

Field

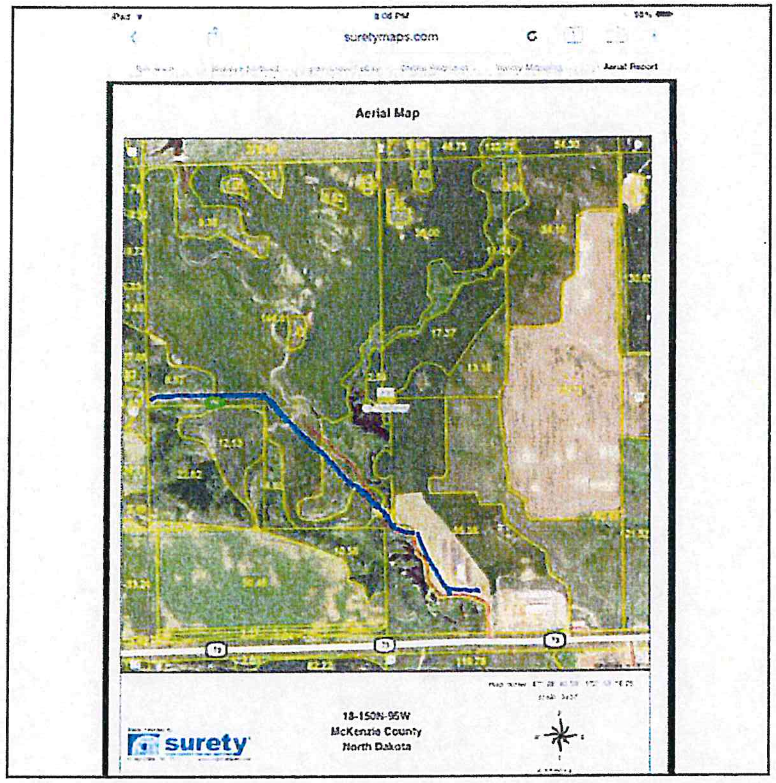
Size

Crop

Growth Stage

Population

Height



Comments
This stretch is okay, with the exception of a small area by aerial marker 92.3.

Actions
Small reseeding area just west of aerial marker 92.3, marked in green.

RIGHT OF WAY ASSESSMENT MAP
SHOWING LEG 5 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 16, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Obrigewitch/Cymbaluk

Field

Size

Crop

Growth Stage

Population

Height

Comments
Most of this tract runs through cropland, and is okay. The area between the two white lines is pasture. It has been grazed and is a bit thin, but should be okay. There are some thistles in the pasture, marked in red, that will need to be sprayed.

Actions
Spray the thistles in the pasture.

RIGHT OF WAY ASSESSMENT MAP SHOWING
LEG 6 RESEEDING FROM FRYBERG

ScoutDoc

Date
September 16, 2014

Visit
1

Reported By
Tom Irwin

Grower
BakkenLink

Farm
Cymbaluk/Kessel

Field

Size

Crop

Growth Stage

Population

Height

Comments

The NW 1/4 is hay ground and pasture. There are two spots that are thin and weedy, that will need to be reseeded. They are marked in green. There are also some thistles that will need to be sprayed, marked with red X's. The west half of the NE 1/4 is cropland, between the white lines, and is okay. The east half, between the black lines, is pasture. It is a bit thin, but should be okay.

Actions

The green areas will need to be reseeded, and the thistles sprayed.

RIGHT OF WAY ASSESSMENT MAP SHOWING LEG 6 RESEEDING FROM FRYBERG

Tree & Shrub Mitigation Plan Documentation

Please see note from LaDonna regarding current on-going work with the tree and shrub plan.

hanks,

Casey

Casey,

BakkenLink is working with the McKenzie County Soil Conservation District as they are the expert regarding soil, soil conditions and plantings. As of today we have planted trees/shrubs landowners' have requested. We still have trees/shrubs to plant and are working with the Beulah Park District, USACE, and the Watford City medical facility to identify their needs as well as identify trees/shrubs that we would like to plant on GNM sites.

In Billings County we continue to work with Billings County Soil Conservation District for a 2016 planting for landowners as well as at the NDL Rail Terminal.

Tree/shrub planting will continue until we fulfill our requirement for plantings. Additionally, as required we will monitor plantings survival through the county soil conservation districts.

ase let me know if there are questions.

LaDonna

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: February 3rd, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619
Environmental Inspector	Troy Portnoff	Aspen Environmental		

Brief Description of Week's Activities
Communicated with landowners on tree & shrub mitigation plan.
Brief Description of Next Week's Activities
Continue to work with landowners on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
Darren Snow	2/3/14

BakkenLink
North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218
Project: BakkenLink Pipeline
Week Ending: February 9th, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619
Environmental Inspector	Troy Portnoff	Aspen Environmental		

Brief Description of Week's Activities
Communicated with landowners on tree & shrub mitigation plan. Met with Pat Fahn to discuss some tree and shrub mitigation questions. Also met with Carlson-McCain to go over plan.
Brief Description of Next Week's Activities
Continue to work with landowners on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
Darren Snow	2/10/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: February 16th, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Communicated with landowners on tree & shrub mitigation plan. Carlson-McCain working on the plan.
Brief Description of Next Week's Activities
Continue to work with landowners on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
Darren Snow	2/17/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: February 23rd, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Communicated with landowners on tree & shrub mitigation plan. Carlson-McCain working on the plan. Visited with the USFWS about needs for trees/shrubs.
Brief Description of Next Week's Activities
Continue to work with landowners on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
Darren Snow	2/23/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: March 2nd, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Communicated with landowners on tree & shrub mitigation plan. Carlson-McCain working on the plan. Visited with the USFWS and USACE about needs for trees/shrubs.
Brief Description of Next Week's Activities
Continue to work with landowners on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
Darren Snow	3/2/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218
Project: BakkenLink Pipeline
Week Ending: March 9th, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Communicated with landowners on tree & shrub mitigation plan. Carlson-McCain working on the plan. Visited with various entities looking for trees. Communicated with ND Forest Service on tree plan.
Brief Description of Next Week's Activities
Continue to work with landowners on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
Darren Snow	3/10/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: March 17th, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Continue to work on tree/shrub plan.
Brief Description of Next Week's Activities
Continue to work with landowners on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
Darren Snow	3/17/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: March 24th, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Continue to work on tree/shrub plan.
Brief Description of Next Week's Activities
Continue to work with landowners on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
Darren Snow	3/24/14

BakkenLink
North Dakota Gathering System
Weekly Construction Progress Report

Case #:PU-10-218
Project: BakkenLink Pipeline
Week Ending: March 30th, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Continue to work on tree/shrub plan.
Brief Description of Next Week's Activities
Continue to work with landowners on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
Darren Snow	3/30/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: April 6th, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Continue to work on tree/shrub plan.
Brief Description of Next Week's Activities
Continue to work with landowners on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
Darren Snow	4/7/14

BakkenLink
North Dakota Gathering System
Weekly Construction Progress Report

Case #:PU-10-218
Project: BakkenLink Pipeline
Week Ending: April 14th, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs.
Brief Description of Next Week's Activities
Continue to work on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	**Date**
Darren Snow	4/14/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: April 27th, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities

Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs.

Brief Description of Next Week's Activities

Continue to work on the tree & shrub mitigation plan.

Project Site Safety

Conduct daily JSA's when working in the field.

Signatory	Date
Darren Snow	4/28/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: May 4th, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities

Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.

Brief Description of Next Week's Activities

Continue to work on the tree & shrub mitigation plan.

Project Site Safety

Conduct daily JSA's when working in the field.

Signatory	Date
Darren Snow	5/5/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: May 11, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.
Brief Description of Next Week's Activities
Continue to work on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	5/12/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: May 18, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities				
Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.				
Brief Description of Next Week's Activities				
Continue to work on the tree & shrub mitigation plan.				
Project Site Safety				
Conduct daily JSA's when working in the field.				

Signatory	**Date**
LaDonna Emineth	5/19/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: June 1, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.

Brief Description of Next Week's Activities
Continue to work on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	6/2/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: June 8, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities

Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.

Brief Description of Next Week's Activities

Continue to work on the tree & shrub mitigation plan.

Project Site Safety

Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	6/9/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: June 15, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities

Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.

Brief Description of Next Week's Activities

Continue to work on the tree & shrub mitigation plan.

Project Site Safety

Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	6/16/14

BakkenLink
North Dakota Gathering System
Weekly Construction Progress Report

Case #:PU-10-218
Project: BakkenLink Pipeline
Week Ending: June 29, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities

Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.

Brief Description of Next Week's Activities

Continue to work on the tree & shrub mitigation plan.

Project Site Safety

Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	6/30/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: July 6, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities

Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.

Brief Description of Next Week's Activities

Continue to work on the tree & shrub mitigation plan.

Project Site Safety

Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	7/7/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: July 13, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities

Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.

Brief Description of Next Week's Activities

Continue to work on the tree & shrub mitigation plan.

Project Site Safety

Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	7/14/14

BakkenLink
North Dakota Gathering System
Weekly Construction Progress Report

Case #:PU-10-218
Project: BakkenLink Pipeline
Week Ending: July 20, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities

Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.

Brief Description of Next Week's Activities

Continue to work on the tree & shrub mitigation plan.

Project Site Safety

Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	7/21/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: July 27, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.
Brief Description of Next Week's Activities
Continue to work on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	7/28/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: August 3, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities

Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.

Brief Description of Next Week's Activities

Continue to work on the tree & shrub mitigation plan.

Project Site Safety

Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	8/04/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: August 10, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.

Brief Description of Next Week's Activities
Continue to work on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	8/11/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: August 17, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities

Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.

Brief Description of Next Week's Activities

Continue to work on the tree & shrub mitigation plan.

Project Site Safety

Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	8/18/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: August 24, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.
Brief Description of Next Week's Activities
Continue to work on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	**Date**
LaDonna Emineth	8/25/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: August 31, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.
Brief Description of Next Week's Activities
Continue to work on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	9/2/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: September 14, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities
Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.
Brief Description of Next Week's Activities
Continue to work on the tree & shrub mitigation plan.

Project Site Safety
Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	9/15/14

BakkenLink

North Dakota Gathering System

Weekly Construction Progress Report

Case #:PU-10-218

Project: BakkenLink Pipeline

Week Ending: September 28, 2014

Title	Name	Company	Office Phone	Cell Phone
Project Director	Darren Snow	BakkenLink	701-751-3401	701-204-1619

Brief Description of Week's Activities

Continue to work on tree/shrub plan. All landowners are in agreement. Working with NRCS and SCD's to order trees/shrubs. Working on getting plan approved by all necessary agencies.

Brief Description of Next Week's Activities

Continue to work on the tree & shrub mitigation plan.

Project Site Safety

Conduct daily JSA's when working in the field.

Signatory	Date
LaDonna Emineth	9/29/14

McKenzie County Soil Conservation District

PO Box 583 – Phone 701-842-3628 Ext. 3

Watford City, ND 58854

If you are interested in ordering HAND PLANT TREES please complete this form and return to our office. If you have any questions please call our office number. *Please include a 100% down payment -Thank you*

Shrubs

Buffaloberry	
Caragana	18
Cherry, Nanking	
Chokecherry	
Chokecherry, Schubert	
Currant, Golden	
Dogwood, Redoiser	
Honeysuckle	
Juneberry	
Lilac, Common	
Lilac, Villosa	
Rose, Hanson Hedge	
Seabuckthorn	
Sumac, Skunkbrush	

Conifers

Black Hills Spruce	
Colorado Blue Spruce	
Ponderosa Pine	7
Rocky Mt. Juniper	

Deciduous Trees

Apricot, Hardy	
Ash, Green	
Boxelder	
Cherry, Black	
Cottonwood, Souixland	
Crabapple, Dolgo	
Crabapple, Midwest	
Elm, Dropmore	
Hackberry, Oahe	
Maple, Amur	
Oak, Bur	
Olive, Russian	
Pear, Ussurian	
Plum, American	11
Poplar, Hybrid	
Poplar, White	
Willow, Golden	

Apple Trees: 5ft-$25

Haralred	
Haralson	
Honey Crisp	
Sweet Sixteen	

Name: Rosalee Veeder (Bakken Link)

Address: ____

Phone: 675-2599

Total trees 36 X $1.25= 45

Apple Trees ____ X $25.00= ____

Taxable trees ____ X $0.06= ____

Total= $45.-

- Mail in to: MCSCD : PO Box 583 : Watford City, ND 58854
- For MACHINE PLANTING call our office and talk to Barb to get scheduled: 701-842-3628 Ext. 3

McKenzie County Soil Conservation District

PO Box 583 – Phone 701-842-3628 Ext. 3
Watford City, ND 58854

If you are interested in ordering **HAND PLANT TREES** please complete this form and return to our office. If you have any questions please call our office number. *Please include a 100% down payment -Thank you*

Shrubs

Buffaloberry	
Caragana	
Cherry, Nanking	
Chokecherry	6
Chokecherry, Schubert	
Currant, Golden	
Dogwood, Redoiser	
Honeysuckle	
Juneberry	
Lilac, Common	6
Lilac, Villosa	
Rose, Hanson Hedge	
Seabuckthorn	
Sumac, Skunkbrush	

Conifers

Black Hills Spruce	
Colorado Blue Spruce	
Ponderosa Pine	12
Rocky Mt. Juniper	

Deciduous Trees

Apricot, Hardy	
Ash, Green	6
Boxelder	
Cherry, Black	
Cottonwood, Souixland	
Crabapple, Dolgo	
Crabapple, Midwest	
Elm, Dropmore	
Hackberry, Oahe	
Maple, Amur	
Oak, Bur	4
Olive, Russian	
Pear, Ussurian	
Plum, American	
Poplar, Hybrid	
Poplar, White	
Willow, Golden	

Apple Trees: 5ft-$25

Haralred	1
Haralson	
Honey Crisp	
Sweet Sixteen	1

Name: Lemoine (Austin) Hartel
Address: Bakken Linc
Phone:

Total trees 36 X $1.25= 45.00
Apple Trees ______ X $25.00= ______
Taxable trees ______ X $0.06= ______

Total= $45.00

- Mail in to: MCSCD : PO Box 583 : Watford City, ND 58854
- For MACHINE PLANTING call our office and talk to Barb to get scheduled: 701-842-3628 Ext. 3

Planting #1

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting Plan and Record

Name: Cecil Wilson Jr. Address: 1742 Spring Creek Rd Watford Phone: 842-3430

Quarter: ____ Sec: 14 Twp: 148 Range: 99

Planned by: KH,LA,BS Planted by: ____
Date: 08/20/14 Date: ____

F/Stead ____; Field ____; W/Life Yes
S/Fallow ____; if other, specify type of land preparation ____
New Planting ____; Replants ____ (Indicate date of original planting) ____.

CRP ____; EQIP ____; CO-0´ ____
Other (Indicate) Bakken Link

Between the row spacing 15'

Soil Type E0913C Suitability Group 4c

Protected from Grazing Yes (Yes, No)

Distance from Road and/or Buildings Yes

Condition of site at planting time: ____ (Good, Fair, Poor)

Approved ____ (Yes, No) Date ____
By: ____ Title ____

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	1512				1	Caragana	5	303		Fabric: Yes Ground Prep: No During field visit soild are worse than what soil map says
	1512				2	Crabapple	8	189		
	1512				3	Green Ash	11	138		
	1512				4	Elm	11	138		
	1512				5	Com. Lilac	5	303		
	1200				6	Golden Current	5	240		
	1200				7	Dogwood	5	240		
	1200				8	Dogwood	5	240		
	1200				9	Naking Cherry	5	240		
	1200				10	Am. Plum	8	150		
	1200				11	Am. Plum	8	150		
	1200				12	Seabuthorn	5	240		
	1200				13	Crabapple	8	150		
	1200				14	Crabapple	8	150		

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4 Continuation Sheet
Revised May 2003

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row # 1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
	1200				15	Chokecherry	5	240		
	1200				16	Chokecherry	5	240		
	1200				17	Naking Cherry	5	240		
	1200				18	Crabapples	8	150		
	1200				19	Crabapples	8	150		
	1200				20	Seabuckthorn	5	240		
	1200				21	American Plum	8	150		
	1200				22	American Plum	8	150		
	1200				23	Naking Cherry	5	240		
	1200				24	Honeysuckles	5	240		
	1200				25	Honeysuckles	5	240		
	1200				26	Chokecherry	5	240		
	1200				27	Chokecherry	5	240		
	1200				28	Dogwood	5	240		
	1200				29	Dogwood	5	240		
	1200				30	Golden Currents	5	240		
	37,560									

Plar g #1

Soil Map—McKenzie County, North Dakota

Map Scale: 1:2,950 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0, 40, 80, 160, 240

Feet: 0, 100, 200, 400, 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Planting #2

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name Cecil Wilson Jr. Address 1742 Spring Creek Rd Watford Phone 842-3430

Quarter ______ Sec 14 Twp 148 Range 99

Planned by: KH,LA,BS Planted by: ______
Date: 08/20/14 Date: ______

F/Stead ______; Field ______; W/Life Yes
S/Fallow ______; if other, specify type of land preparation ______
New Planting ______; Replants ______
(Indicate date of original planting) ______.

CRP ______; EQIP ______; CO-0' ______
Other (Indicate) Bakken Link

Between the row spacing 15'

Soil Type E0907D Suitability Group 4c

Protected from Grazing Yes (Yes, No)

Distance from Road and/or Buildings Yes

Condition of site at planting time: ______ (Good, Fair, Poor)

Approved ______ (Yes, No) Date ______
By: ______ Title ______

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
2	820				1	Caragana	5	164		Fabric: Yes Ground Prep: No During field visit soild are worse than what soil map says
	820				2	Dogwood	5	164		
	820				3	Crabapple	8	103		
	820				4	Chokecherry	5	164		
	820				5	Honeysuckles	5	164		
	820				6	Am. Plum	8	103		
	820				7	Crabapple	8	103		
	820				8	Dogwood	5	164		
	820				9	Am. Plum	8	103		
	820				10	Honeysuckles	5	164		
	820				11	Crabapple	8	103		
	820				12	Chokecherry	5	164		
	820				13	Dogwood	5	164		
	820				14	Honeysuckles	5	164		

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4 Continuation Sheet
Revised May 2003

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row # 1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	820				15	Caragana	5	164		
	12300									

Planting #2

Soil Map—McKenzie County, North Dakota

Map Scale: 1:1,930 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 25 50 100 150

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name: Roger Rink Address: 2505 Beaver Creek Rd Phone: 701-421-9568

SW	25	150	97
Quarter	Sec	Twp	Range

Planned by: BS & SE Planted by: ______
Date: 10/21/14 Date: ______

F/Stead Yes ; Field ______ ; W/Life ______
S/Fallow ______ ; if other, specify type of land preparation ______
New Planting Yes ; Replants ______ (Indicate date of original planting) ______.

CRP ______ ; EQIP ______ ; CO-0´ ______
Other (Indicate) Bakken Link

Between the row spacing: Only 1 Row

Soil Type E4190F Suitability Group 10 *

Protected from Grazing Yes (Yes, No)

Distance from Road and/or Buildings Yes

Condition of site at planting time: ______ (Good, Fair, Poor)

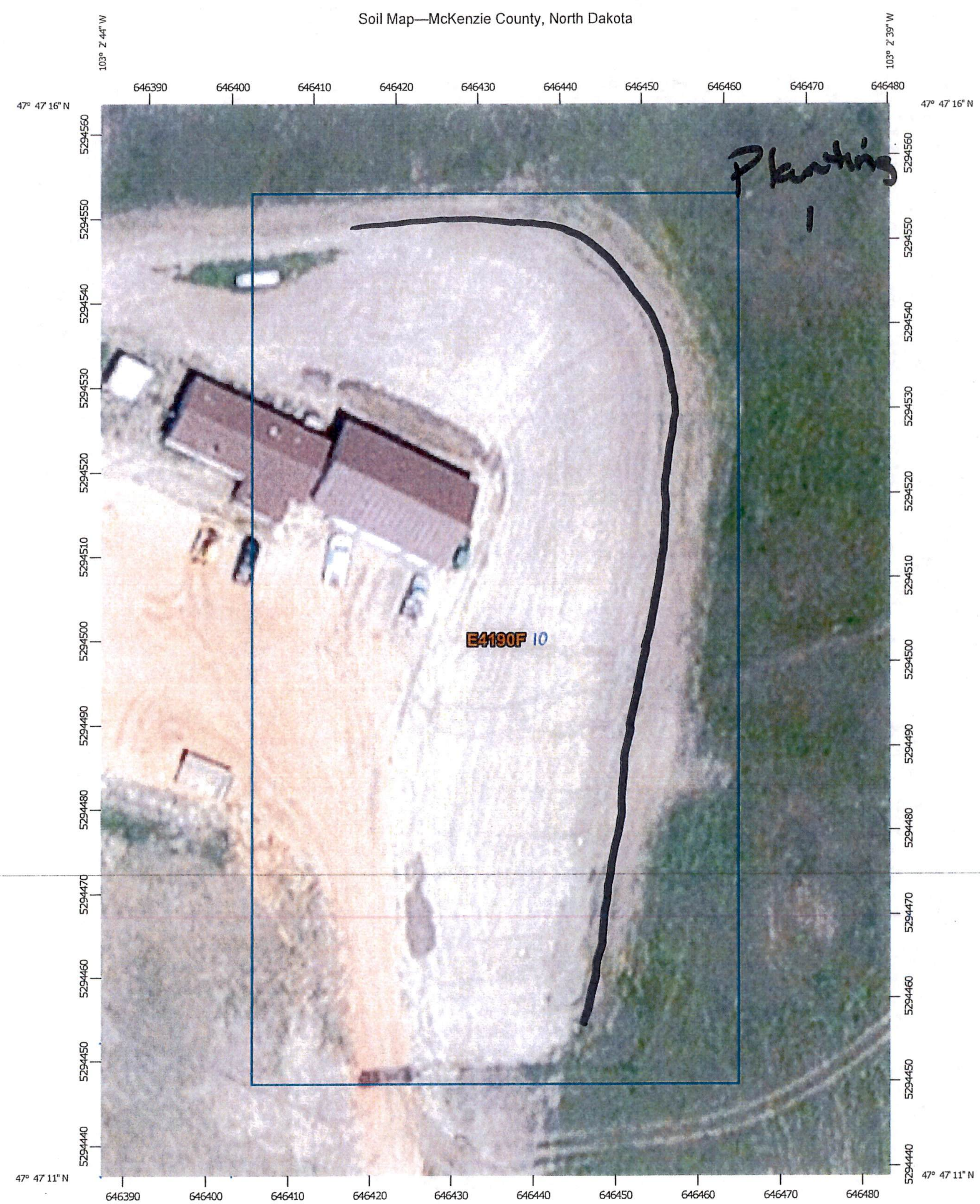
Approved ______ (Yes, No) Date ______
By: ______ Title ______

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	438					Com. Lilac	5	87		Fabric: Yes Ground Prep: No
1	266					Dropmore Elm	11	24		
	704									

* was going to pull soil out of river Bed, Kyle said would not be necessary where there is existing trees growing. Existing good tree & grass growth indicate trees noted above with plastic, have reasonable chance of survival. Producer has been warned of questionable soils.

KJ

Soil Map—McKenzie County, North Dakota



Map Scale: 1:619 if printed on A portrait (8.5" x 11") sheet.

Meters: 0 5 10 20 30

Feet: 0 30 60 120 180

N

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

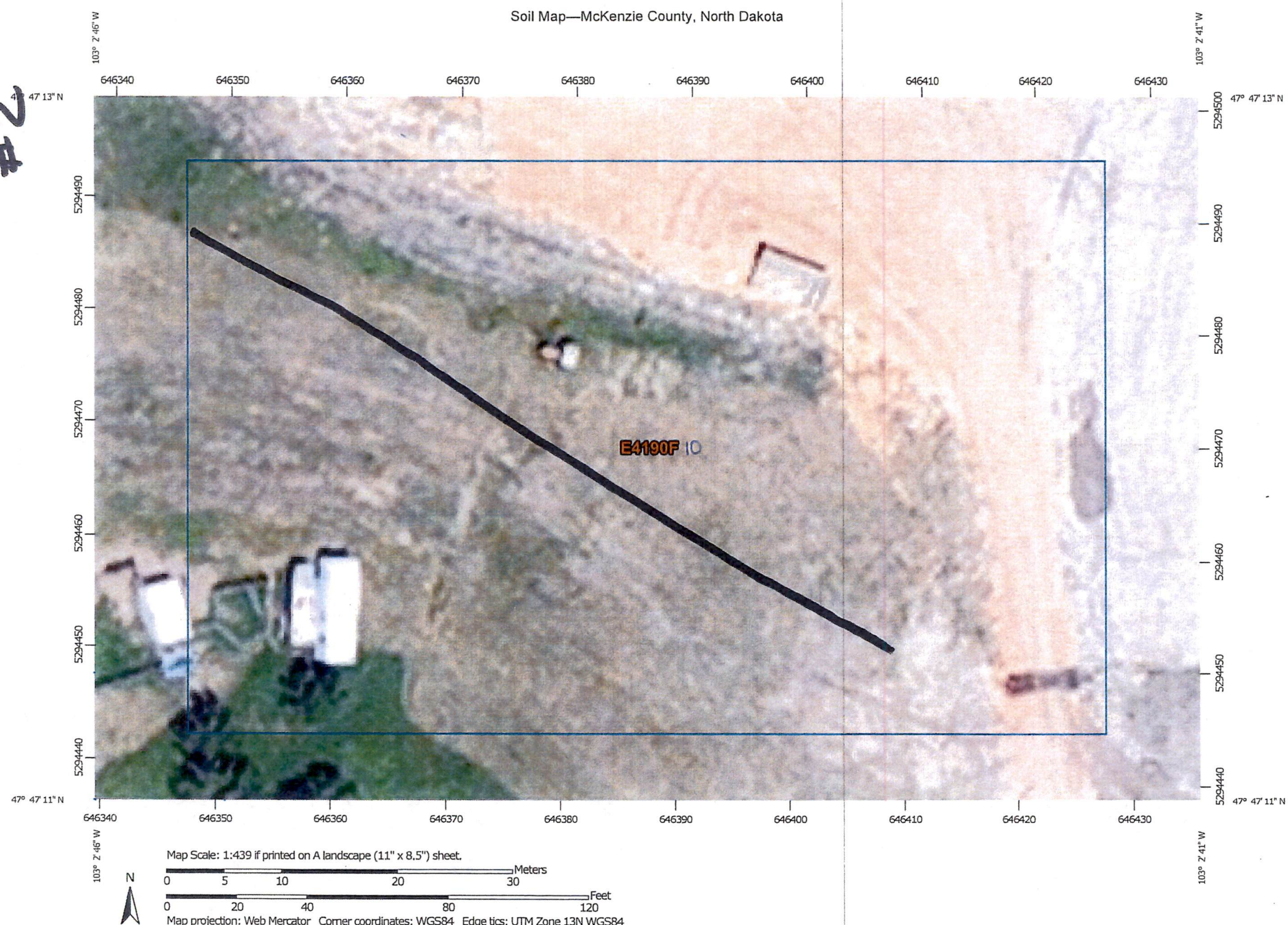
Map Unit Legend

McKenzie County, North Dakota (ND053)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
E4190F	Cabba-Chama-Havrelon, occasionally flooded complex, 2 to 70 percent slopes	1.6	100.0%
Totals for Area of Interest		**1.6**	**100.0%**

10

Plant #2

Soil Map—McKenzie County, North Dakota



Map Unit Legend

McKenzie County, North Dakota (ND053)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
E4190F	Cabba-Chama-Havrelon, occasionally flooded complex, 2 to 70 percent slopes	1.0	100.0%
Totals for Area of Interest		**1.0**	**100.0%**

10

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name Don Zingelman Address 12322 15th St. NW: WC, ND Phone 701-570-0522

Quarter ____ Sec 21 Twp 148 Range 98

Planned by: BS Planted by: ____
Date: ____ Date: ____

F/Stead Yes ; Field ____ ; W/Life ____
S/Fallow ____ ; if other, specify type of land preparation ____

New Planting Yes ; Replants ____ (Indicate date of original planting) ____.

CRP ____ ; EQIP ____ ; CO-0´ ____

Other (Indicate) Bakken Link

Between the row spacing 15'

Soil Type E0837B Suitability Group 4C

Protected from Grazing Yes (Will Fence) (Yes, No)

Distance from Road and/or Buildings Yes

Condition of site at planting time: ____ (Good, Fair, Poor)

Approved ____ (Yes, No) Date ____
By: ____ Title ____

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	1092				1	Common Lilac	5	218		Fabric: Yes Prep: No Will Put Fence up to protect trees from fabric.
	1,092				2	Green Ash	12	91		
	1092				3	Juniper	10	109		

KH 9/22/14

Field

Soil Map—McKenzie County, North Dakota

Map Scale: 1:1,440 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 20 40 80 120

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Tree and Shrub Planting
Plan and Record

Name Jim Pojorlie Address Grassy Butte Phone 701-260-0141

Quarter ____ Sec 2 Twp 146 Range 98

Planned by: CM Planted by: ____
Date: 09/05/14 Date: ____

F/Stead Yes ; Field ____ ; W/Life ____
S/Fallow ____ ; if other, specify type of land preparation ____

New Planting Yes ; Replants ____ (Indicate date of original planting) ____.

CRP ____ ; EQIP ____ ; CO-0' ____

Other (Indicate) Bakken Link

Between the row spacing 16'

Soil Type E2641C Suitability Group 6D

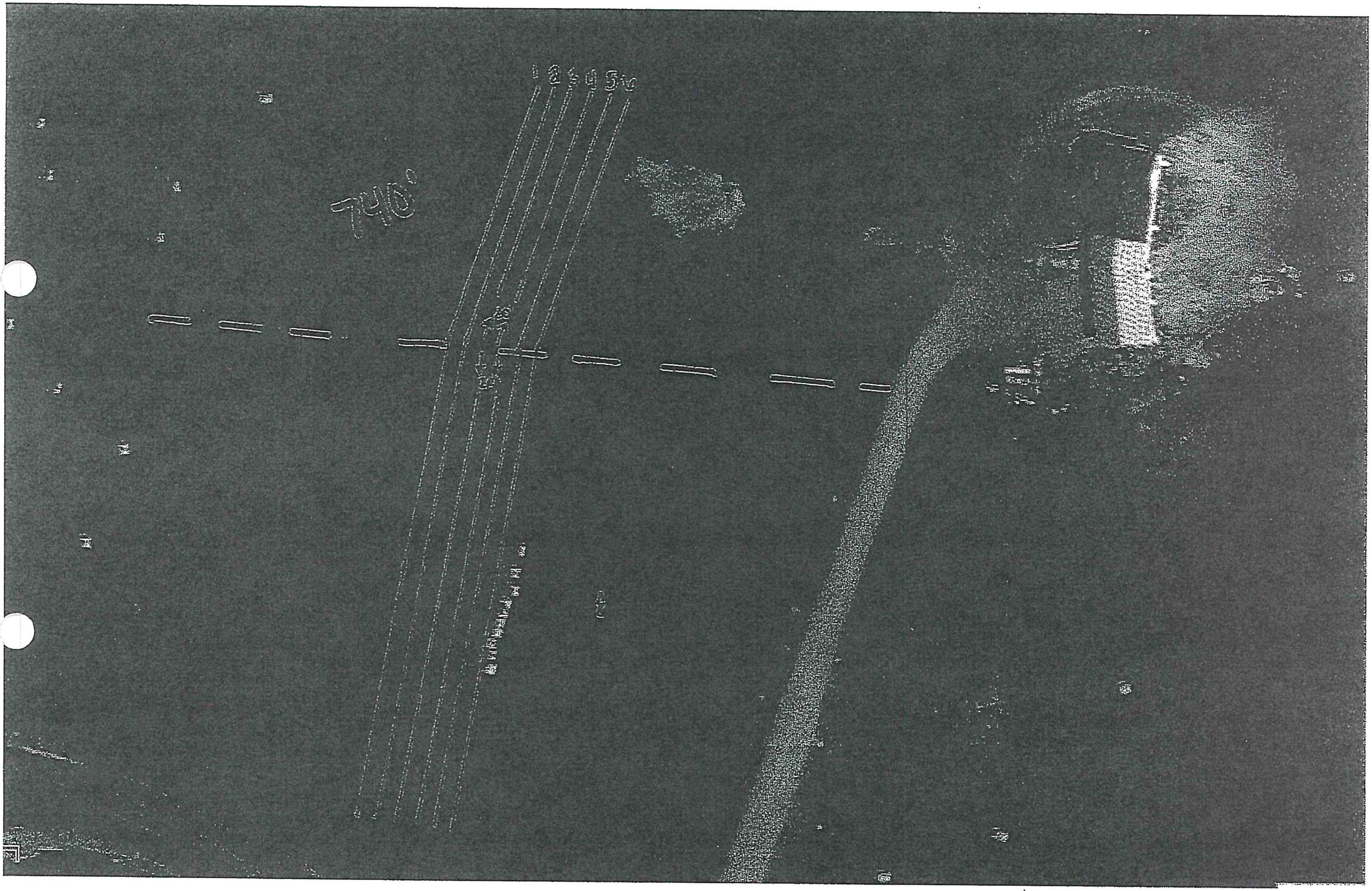
Protected from Grazing Yes (Yes, No)

Distance from Road and/or Buildings Yes

Condition of site at planting time: ____ (Good, Fair, Poor)

Approved ____ (Yes, No) Date ____
By: ____ Title ____

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	740				1	Common Lilac	5	148		Fabric: Yes Ground Prep: No
	740				2	Schubert Chokecherry	5	148		
	700				3	Blue Spruce	10	70		
	700				4	Blue Spruce	10	70		
	740				5	Schubert Chokecherry	5	148		
	740				6	Hanson Hedge Rose	5	148		
	4360									



Row 3+4 = leave gap for pow line   --- Powerline

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name: Jamie Norstag Address: 1698 Hwy 85 N Phone: 507-879-3276

Quarter: ____ Sec: 10 Twp: 148 Range: 99

Planned by: BS Planted by: ____
Date: 08/15/14 Date: ____

F/Stead: Yes; Field: ____; W/Life: ____
S/Fallow: ____; if other, specify type of land preparation: ____
New Planting: Yes; Replants: ____ (Indicate date of original planting) ____.

CRP: ____; EQIP: ____; CO-0': ____
Other (Indicate): Bakken Link

Between the row spacing: 15' / 18'

Soil Type: 2737C E0913 Suitability Group: 6d, 4c

Protected from Grazing: Yes (Yes, No)

Distance from Road and/or Buildings: Yes

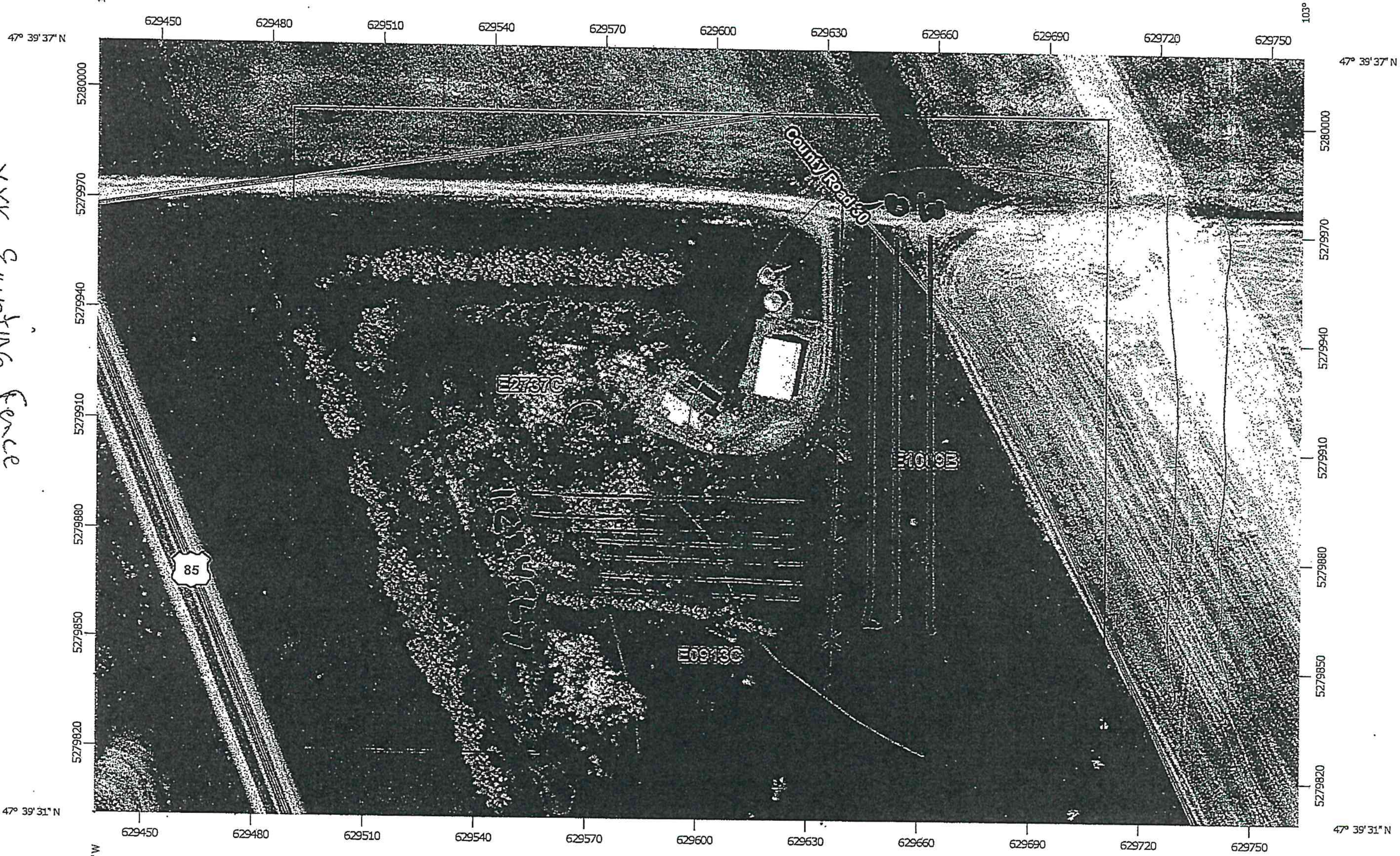
Condition of site at planting time: ____ (Good, Fair, Poor)

Approved: ____ (Yes, No) Date: ____
By: ____ Title: ____

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting — Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	375				1	Hanson Hedge Rose	5	75		Fabric: Yes Ground Prep: No
	375				2	Com. Lilac	5	75		
	368				3	Plum	8	46		
	300				4	Juniper	8	38		15' Row Spacing
	300				5	Com. Chokecherry	5	60		
	200				6	CBS/BHS (Alt)	11	18		
	110				7	Easten Ceda *	11	10		
2	300				1	P. Pine/Green Ash (Alt)	11	28		
	300				2	S. Cottonwood	11	28		18' row spacing
	300				3	Com. Lilac	5	60		
	2910									

* Cedar is suitable, but producer was warned of poor performance in past years.

XXX Existing Fence



Map Scale: 1:1,490 if printed on A landscape (11" x 8.5") sheet.

N

0 20 40 80 120 Meters

0 50 100 200 300 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name Brady Lund Address 12281 Hwy 23 E Phone 701-770-8511

SE	7	150	97
Quarter	Sec	Twp	Range

Planned by: BS/SE Planted by: ______
Date: 10/21/14 Date: ______

F/Stead ______ ; Field Yes ; W/Life ______
S/Fallow ______ ; if other, specify type of land preparation ______
New Planting Yes ; Replants ______ (Indicate date of original planting) ______.

CRP ______ ; EQIP ______ ; CO-0´ ______
Other (Indicate) Bakken Link

Between the row spacing 20'

Soil Type E1403D Suitability Group 7

Protected from Grazing No (Yes, No)

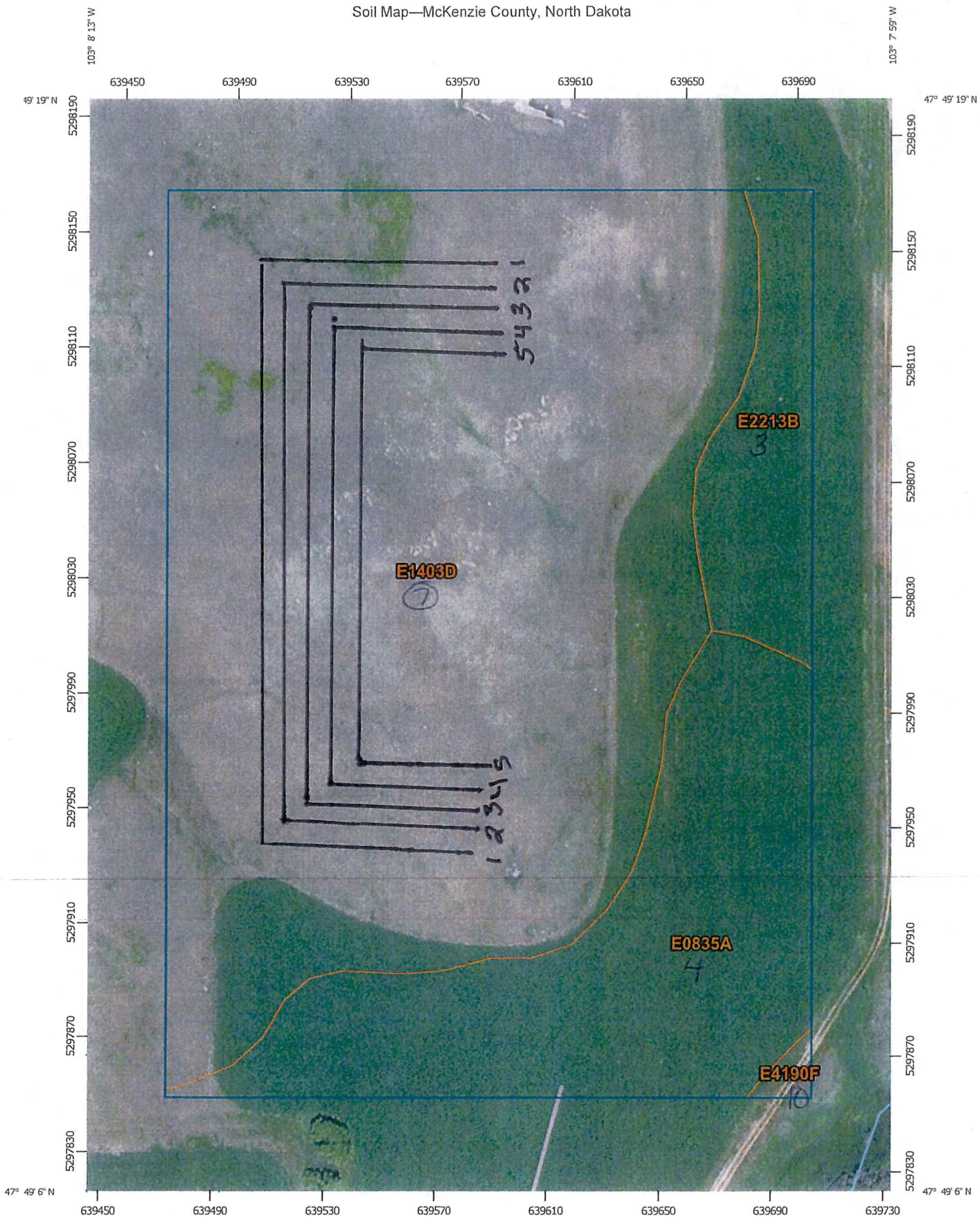
Distance from Road and/or Buildings Yes

Condition of site at planting time: ______ (Good, Fair, Poor)

Approved ______ (Yes, No) Date ______
By: ______ Title ______

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	848				1	Com. Lilac	5	170		Fabric: Yes Ground Prep: Yes
	848				2	Russian Olive	8	106		
	848				3	Colorado Blue Spruce	11	77		
	848				4	Black Hills Spruce	11	77		
	848				5	Com. Lilac	5	170		
	4240									

Soil Map—McKenzie County, North Dakota



Map Scale: 1:1,850 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0, 25, 50, 100, 150

Feet: 0, 50, 100, 200, 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name: John Klamm   Address: 11620 28th St. NW   Phone: 701-260-8687

Quarter: SE   Sec: 15   Twp: 150   Range: 97

Planned by: BS   Planted by: ______
Date: 10/13/14   Date: ______

F/Stead: Yes; Field ______; W/Life ______
S/Fallow ______; if other, specify type of land preparation ______
New Planting: Yes; Replants ______ (Indicate date of original planting) ______.

CRP ______; EQIP ______; CO-0´ Yes
Other (Indicate): Bakken Link

Between the row spacing: 15'

Soil Type: 3013D E1403   Suitability Group: 10*, 6

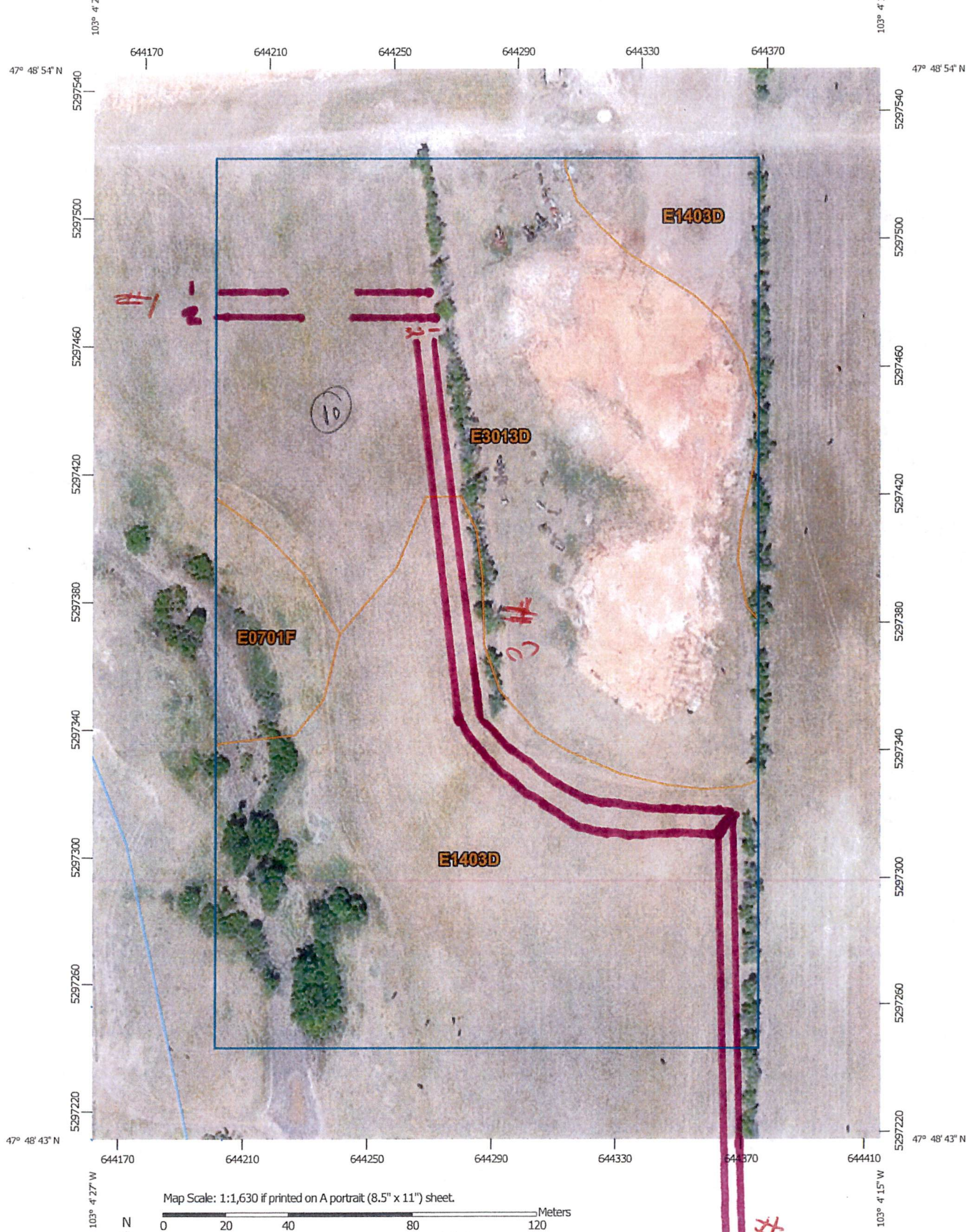
Protected from Grazing: Yes (Yes, No)

Distance from Road and/or Buildings: Yes

Condition of site at planting time: ______ (Good, Fair, Poor)

Approved ______ (Yes, No)   Date ______
By: ______   Title ______

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	303				1	Ponderosa Pine	11	28		Fabric: Yes Ground Prep: No May want Handplants *Trees are already growing here soil is very sandy, and grass looks good
	303				2	Ponderosa Pine	11	28		
2	631				1	S. Cottonwood	11	57		
	631				2	Hybrid Poplar	11	57		
3	778				1	S. Cottonwood	11	71		
	778				2	Com Lilac	5	156		



Map Scale: 1:1,630 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 20 40 80 120

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

#3

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting Plan and Record

Name Leonard Hottman Address 12091 23rd St. NW Phone 701-842-2013

NE Quarter 11 Sec 149 Twp 98 Range

Planned by: BS Planted by: Yes
Date: 10/10/14 Date:

F/Stead ; Field Yes ; W/Life
S/Fallow ; if other, specify type of land preparation
New Planting ; Replants Yes
(Indicate date of original planting) .

CRP ; EQIP ; CO-0´ Yes
Other (Indicate) Bakken Link

Between the row spacing 15'

Soil Type E1403F Suitability Group 3

Protected from Grazing No (Yes, No)

Distance from Road and/or Buildings Yes

Condition of site at planting time: (Good, Fair, Poor)

Approved (Yes, No) Date
By: Title

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	91				1	Green Ash	11	8		Fabric: No Ground Prep: Done Them
	94				2	Com Lilac	5	19		
	185									

10/9/2014

powered by: GIS Workshop

DISCLAIMER: This map is not intended for conveyances, nor is it a legal survey. The information is presented on a best-efforts basis, and should not be relied upon for making financial, survey, legal or other commitments.

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name Pete Rauser Address 1991 125th Ave NW Phone 842-2264

NE1/4	30	149	98
Quarter	Sec	Twp	Range

Planned by: LA, CM, BS Planted by: ____
Date: 08/26/14 Date: ____

F/Stead Yes ; Field ____ ; W/Life ____
S/Fallow ____ ; if other, specify type of land preparation ____
New Planting Yes ; Replants ____ (Indicate date of original planting) ____.

CRP ____ ; EQIP ____ ; CO-0' ____
Other (Indicate) Bakken Link

Between the row spacing 20'

Soil Type :0835A E4137, Suitability Group 4/1k

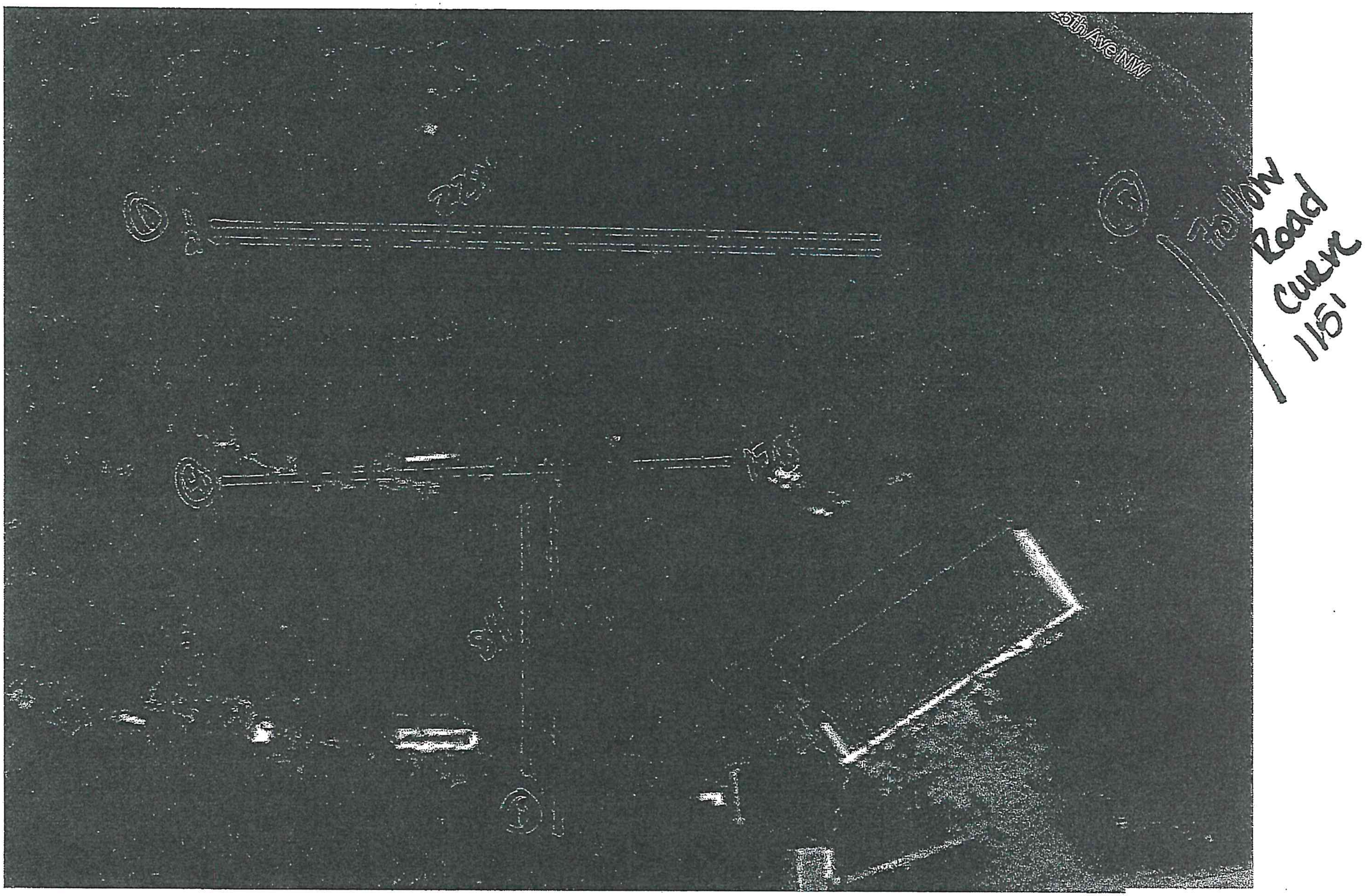
Protected from Grazing Yes (Yes, No)

Distance from Road and/or Buildings Yes

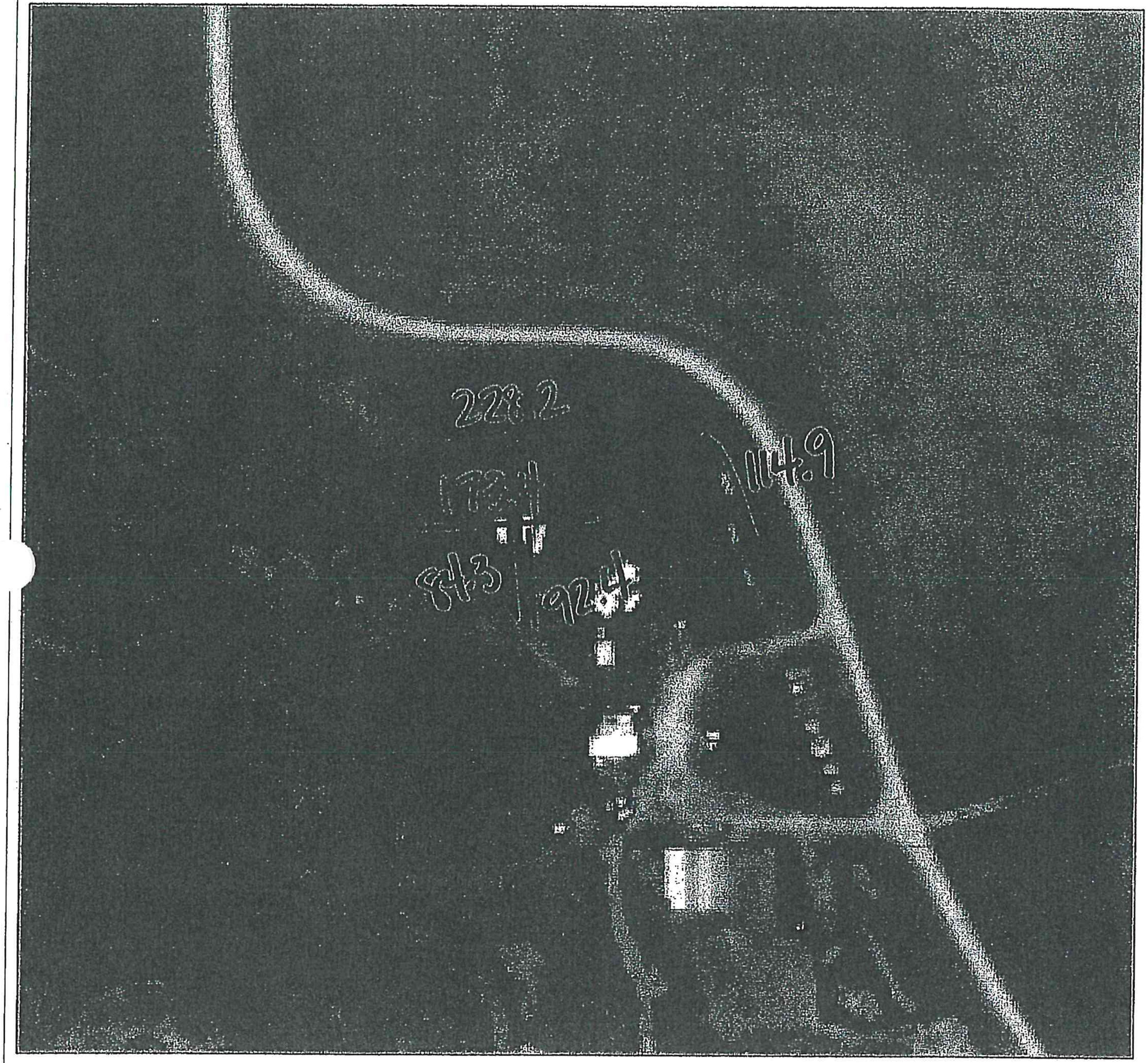
Condition of site at planting time: ____ (Good, Fair, Poor)

Approved ____ (Yes, No) Date ____
By: ____ Title ____

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	228				1	Blue & Black Spruce	12	19		Fabric: Yes Ground Prep: Yes Producer will mow
	228				2	Blue & Black Spruce	12	19		
2	84				1	Blue & Black Spruce	12	7		
	92				2	Blue & Black Spruce	12	8		
3	115				1	Common Lilac	5	23		
4	173				1	Blue & Black Spruce	12	15		
	1720									
	920									


5th Ave NW
Follow Road Curve 1151'

Legal Description: Section 1-149-99



Legend

rausertrees2015

Image: McKenzie Ortho 2-2

80 0 80 160 240 320 Feet

N

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name Mark Koeser Address 12132 Hwy 23: WC, ND Phone 570-3942

Quarter ___ Sec 24 Twp 150 Range 98

Planned by: KH & BS Planted by: ___
Date: 08/25/14 Date: ___

F/Stead ___; Field Yes; W/Life Yes
S/Fallow ___; if other, specify type of land preparation ___
New Planting Yes; Replants ___
(Indicate date of original planting) ___.

CRP ___; EQIP ___; CO-0´ ___
Other (Indicate) Bakken Link

Between the row spacing 15'

Soil Type E1865B Suitability Group 5

Protected from Grazing Yes (Yes, No)

Distance from Road and/or Buildings Yes

Condition of site at planting time: ___ (Good, Fair, Poor)

Approved ___ (Yes, No) Date ___
By: ___ Title ___

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
	344				1	Chokecherry	8	43		Fabric: Yes Ground Prep: Yes Producer will mow
	344				2	Plum	8	43		
	344				3	Crabapple	10	35		
	344				4	Pear	10	35		
	344				5	Chokecherry	8	43		
	1720									

9/18/2014

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name: Roger Rink Address: 2505 Beaver Creek Rd Phone: 701-421-9568

SW	25	150	97
Quarter	Sec	Twp	Range

Planned by: BS & SE Planted by: ______
Date: 10/21/14 Date: ______

F/Stead: Yes ; Field ______ ; W/Life ______
S/Fallow ______ ; if other, specify type of land preparation ______
New Planting: Yes ; Replants ______ (Indicate date of original planting) ______.

CRP ______ ; EQIP ______ ; CO-0' ______
Other (Indicate): Bakken Link

Between the row spacing: Only 1 Row

Soil Type: E4190F Suitability Group: 10 [illegible]

Protected from Grazing: Yes (Yes, No)

Distance from Road and/or Buildings: Yes

Condition of site at planting time: ______ (Good, Fair, Poor)

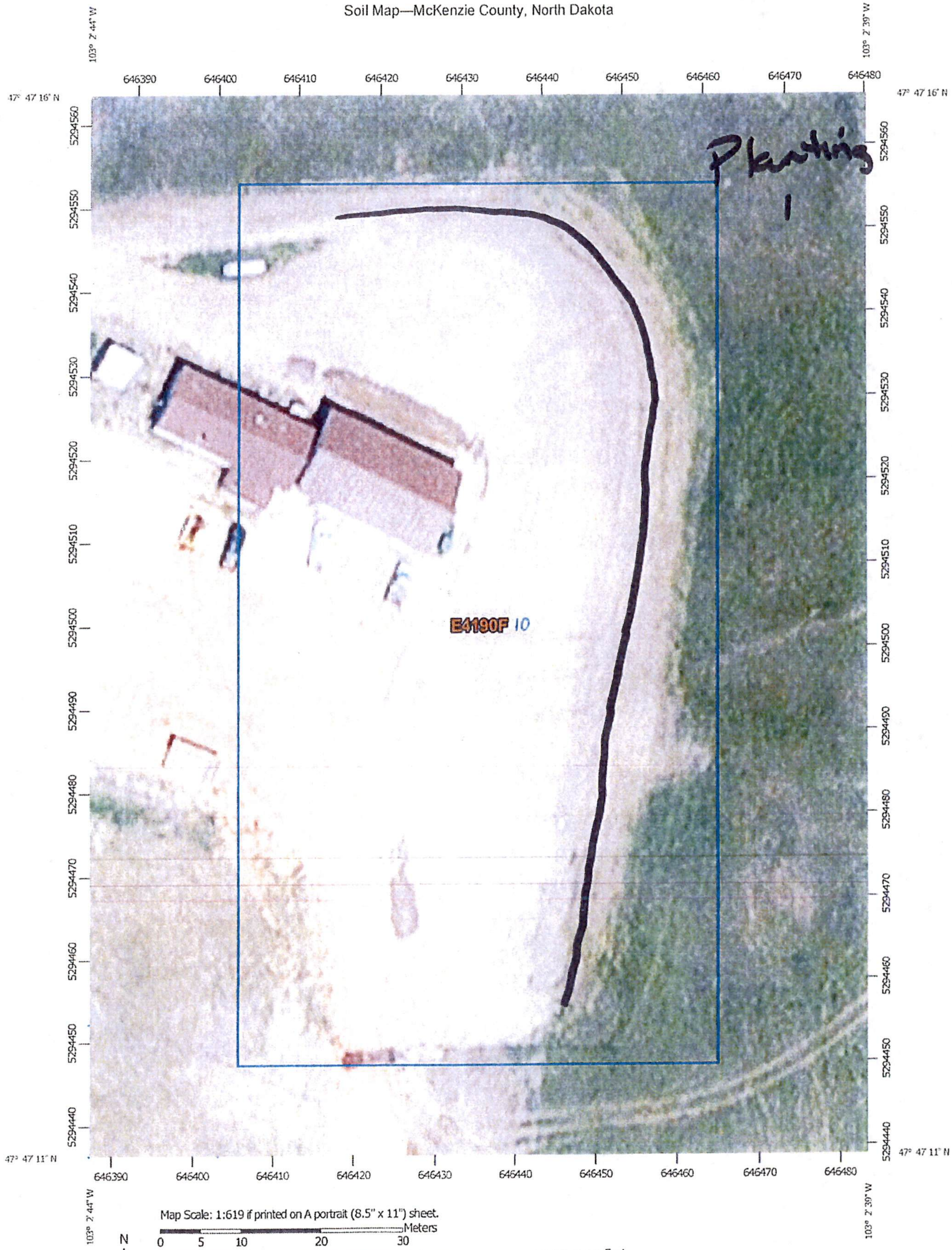
Approved ______ (Yes, No) Date ______
By: ______ Title ______

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	438					Com. Lilac	5	87		Fabric: Yes Ground Prep: No
1	266					Dropmore Elm	11	24		
	704									

* was going to pull soil out of river Bed, Kyle said would not be necessary where there is existing trees growing. Existing good tree & grass growth indicate trees noted above with plastic, have reasonable chance of survival. Producer has been warned of questionable soils.

[illegible]

Soil Map—McKenzie County, North Dakota



Map Scale: 1:619 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 5 10 20 30

Feet: 0 30 60 120 180

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

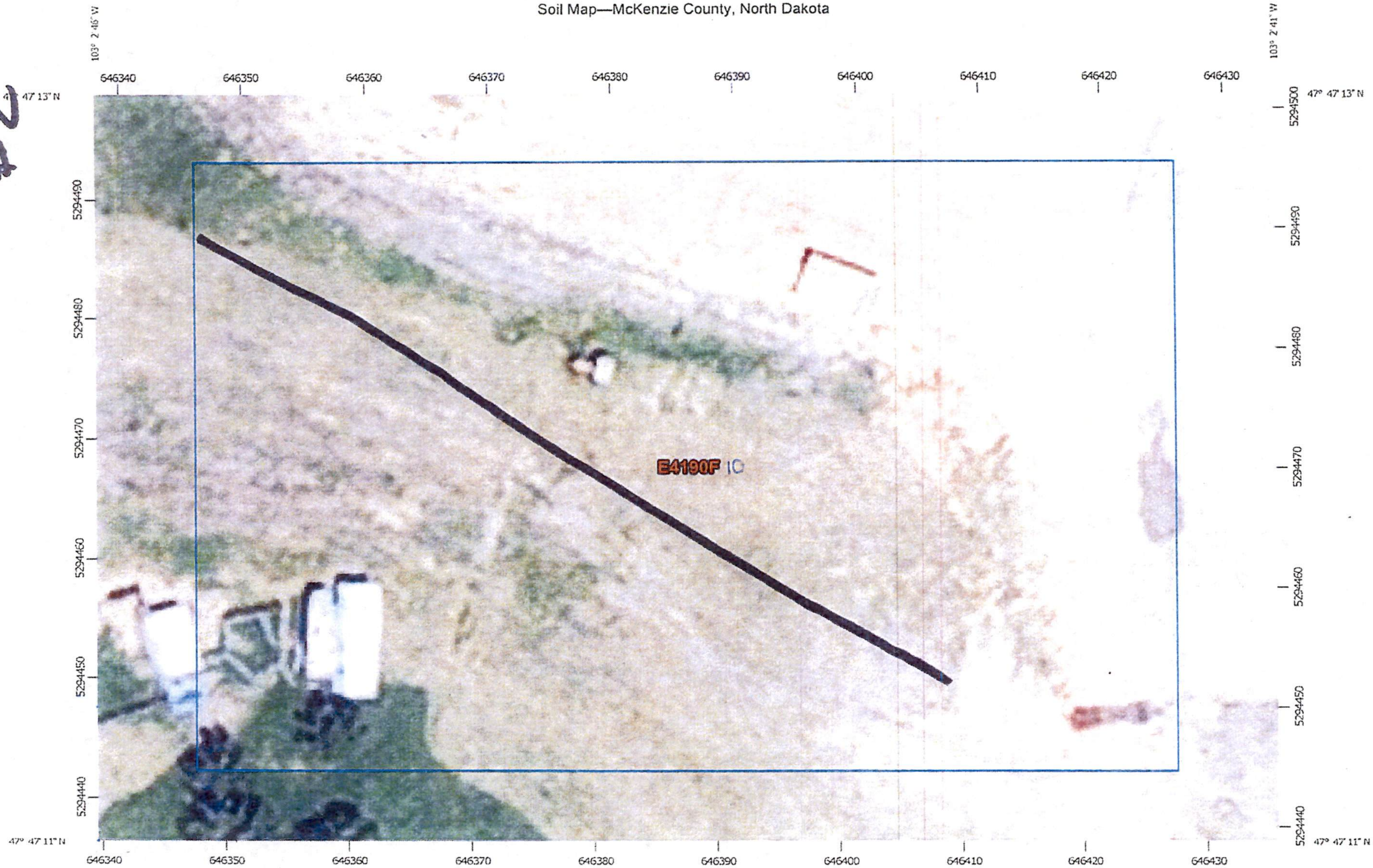
Map Unit Legend

McKenzie County, North Dakota (ND053)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
E4190F	Cabba-Chama-Havrelon, occasionally flooded complex, 2 to 70 percent slopes	1.6	100.0%
Totals for Area of Interest		**1.6**	**100.0%**

10

Plant #2

Soil Map—McKenzie County, North Dakota



Map Scale: 1:439 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0, 5, 10, 20, 30

Feet: 0, 20, 40, 80, 120

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Map Unit Legend

McKenzie County, North Dakota (ND053)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
E4190F	Cabba-Chama-Havrelon, occasionally flooded complex, 2 to 70 percent slopes	1.0	100.0%
Totals for Area of Interest		**1.0**	**100.0%**

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name: Rocky Prestagen Address: 1864 122nd M Ave NW Phone: 701-570-0736

Quarter: ____ Sec: 34 Twp: 149 Range: 98

Planned by: KH, LA, BS, CN Planted by: ____
Date: ____ Date: ____

F/Stead: Yes ; Field: ____ ; W/Life: ____
S/Fallow: ____ ; if other, specify type of land preparation: ____
New Planting: Yes ; Replants: ____ (Indicate date of original planting) ____.

CRP: ____ ; EQIP: ____ ; CO-0: ____
Other (Indicate): Bakken Link

Between the row spacing: 20'

Soil Type: 2120B E2741 Suitability Group: 3/6d*

Protected from Grazing: Yes (Yes, No)

Distance from Road and/or Buildings: Yes

Condition of site at planting time: ____ (Good, Fair, Poor)

Approved: ____ (Yes, No) Date: ____
By: ____ Title: ____

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	421				1	Black and Blue Spruce	12	35		Fabric: Yes Ground Prep: No
	421				2	Crabapple	10	42		
	421				3	Amur Maple	12	35		
2	81				1	Hanson Hedge Rose	5	16		
	81				2	Common Lilac	5	16		
	81				3	Common Lilac	5	16		
	81				4	Hanson Hedge Rose	5	16		
						Cont. Sheet				

* Mapping unit originally a CTSG = 10, Onsite review showed soil was actually Chama which is CTSG = 6d. [illegible]

[illegible]
9/23/14

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row # 1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
3	363				1	Hanson Hedge Rose	5	92		
	363				2	Caragana	5	46		
	363				3	Chokecherry	8	46		
	363				4	Amur Maple	10	36		
	363				5	Black & Blue Spruce	10	36		
	363				6	Black & Blue Spruce	10	36		
	363				7	Crabapple	10	36		
	363				8	Plum	8	46		
	363				9	Pear	10	36		
	363				10	Chokecherry	8	46		
	363				11	Crabapple	10	36		
	363				12	Plum	8	46		
	363				13	Pear	10	36		
	363				14	Schubert Chokecherry	8	46		
	363				15	Hanson Hedge Rose	5	92		
4	220				1	Hanson Hedge Rose	5	44		
	275				2	Common Lilac	5	55		
	330				3	Schubert Chokecherry	8	41		
	385				4	Russian Olive	10	39		
	436				5	Ponderosa Pine	10	39		
	436				6	Green Ash	10	39		
	436				7	Plum	8	55		
	436				8	Caragana	5	87		
	9986									

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name Rocky Prestagen Address 1864 122nd M Ave NW Phone 701-570-0736

Quarter ____ Sec 34 Twp 149 Range 98

Planned by: KH, LA, BS, CI Planted by: ____
Date: ____ Date: ____

F/Stead Yes ; Field ____ ; W/Life ____
S/Fallow ____ ; if other, specify type of land preparation ____
New Planting Yes ; Replants ____ (Indicate date of original planting) ____.

CRP ____ ; EQIP ____ ; CO-0' ____
Other (Indicate) Bakken Link

Between the row spacing 20'

Soil Type :2120B E2741 Suitability Group 3/6d

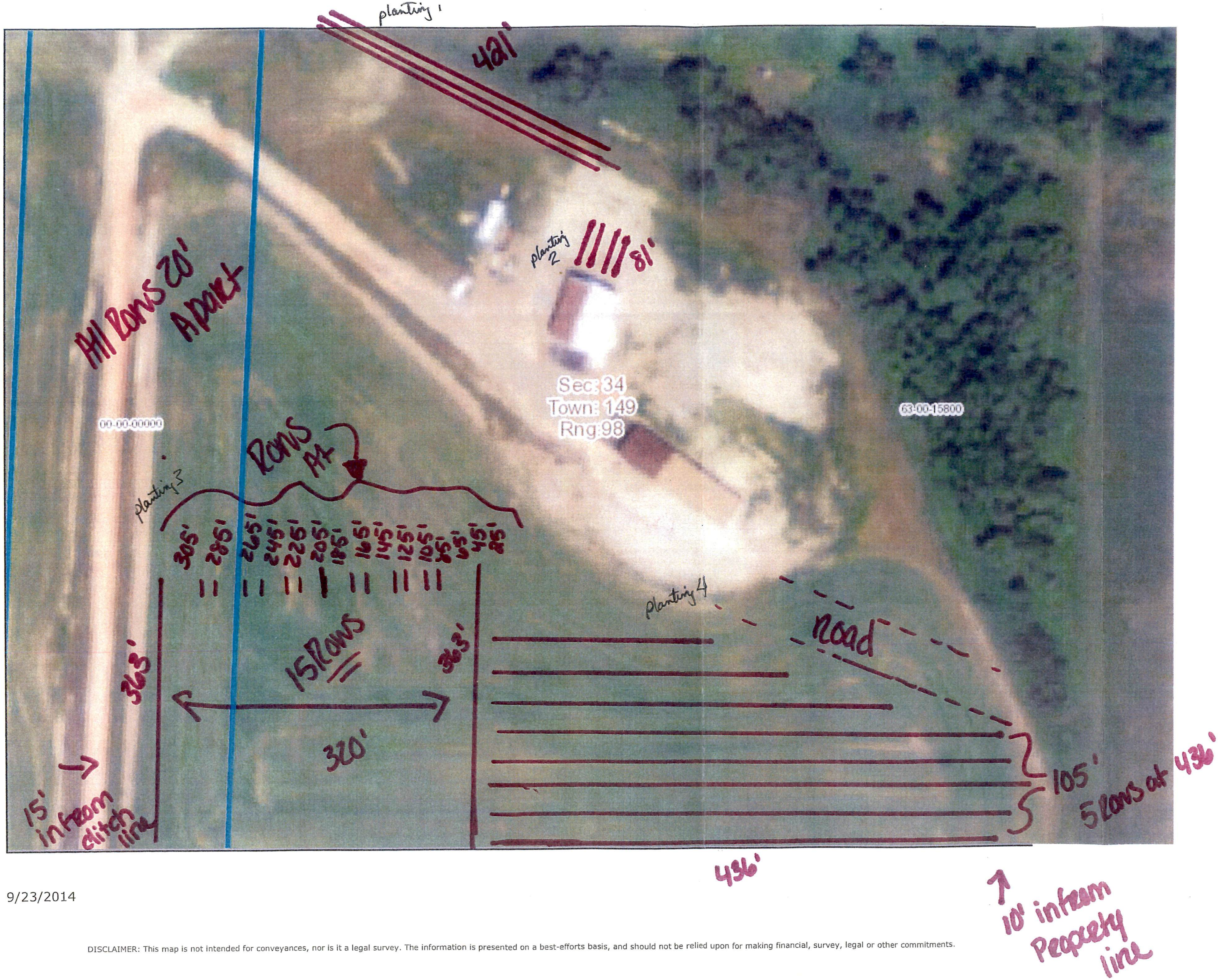
Protected from Grazing Yes (Yes, No)

Distance from Road and/or Buildings Yes

Condition of site at planting time: ____ (Good, Fair, Poor)

Approved ____ (Yes, No) Date ____
By: ____ Title ____

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	421				1	Black and Blue Spruce	12			Fabric: Yes Ground Prep: No
	421				2	Crabapple	10			
	421				3	Amur Maple	12			
2	81				1	Hanson Hedge Rose	5			
	81				2	Common Lilac	5			
	81				3	Common Lilac	5			
	81				4	Hanson Hedge Rose				
						Cont. Sheet				



9/23/2014

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U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name Randy Stevenson Address ____________ Phone 701-842-4696

____	15	149	98
Quarter	Sec	Twp	Range

Planned by: ____________ Planted by: ____________
Date: ____________ Date: ____________

F/Stead ______; Field Yes; W/Life Yes
S/Fallow ______; if other, specify type of land preparation ______
New Planting Yes; Replants ______ (Indicate date of original planting) ______.

CRP ______; EQIP ______; CO-0´ ______
Other (Indicate) Bakken Link

Between the row spacing 15'

Soil Type E2601C Suitability Group 6d 3-8

Protected from Grazing No (Yes, No)

Distance from Road and/or Buildings Yes

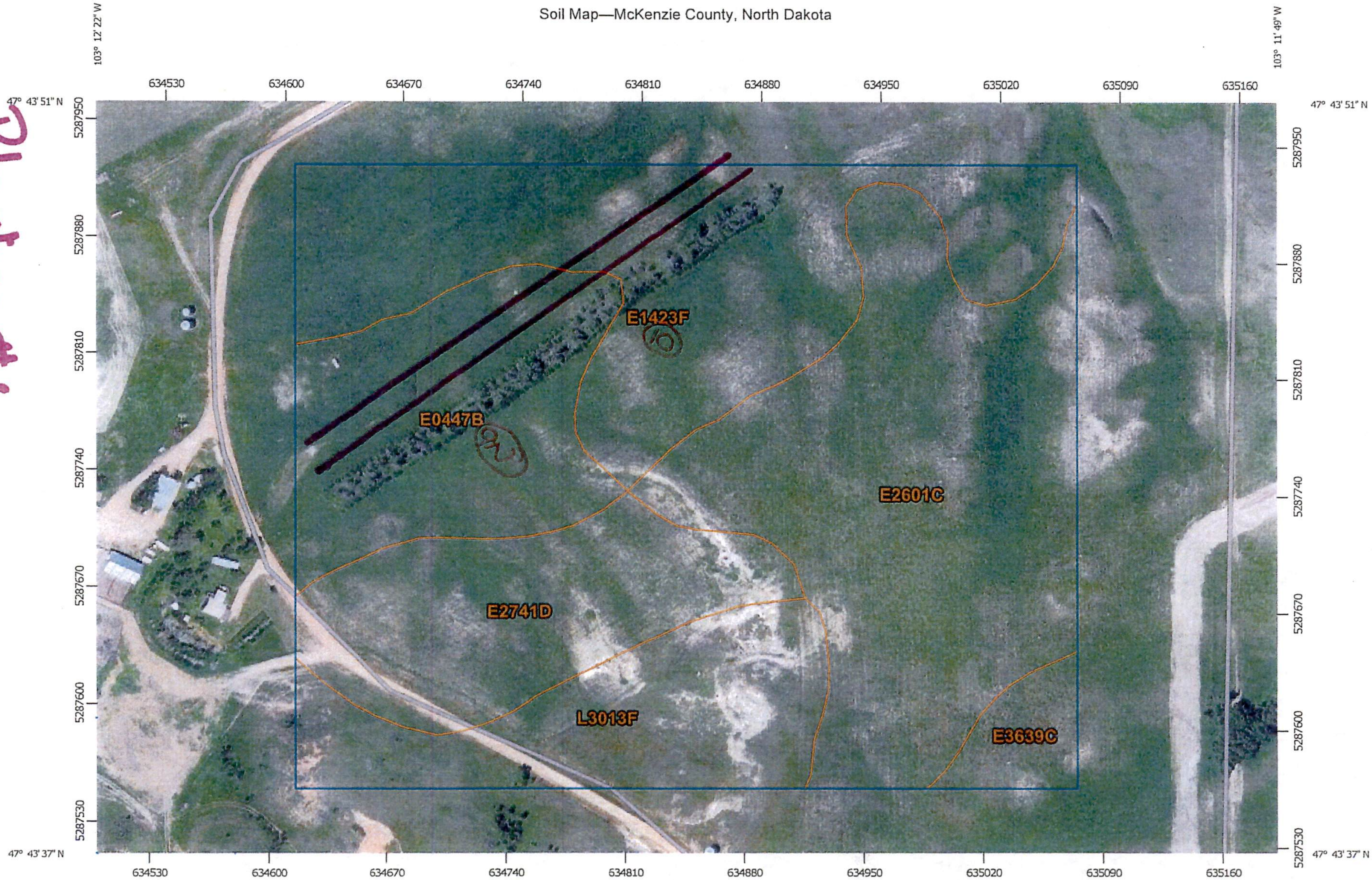
Condition of site at planting time: ____________ (Good, Fair, Poor)

Approved ______ (Yes, No) Date ____________
By: ____________ Title ____________

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	1200				1	Lilac	5	240		Fabric: Yes Ground Prep: SCD does Prep. Grass already established
	1200				2	Green Ash	11	110		
2	1500				1	Caragana	5	300		
	1500				2	Russian Olive	8	188		
	1500				3	Russian Olive	8	188		
	1500				4	Chokecherry	5	300		
	1500				5	Juniper	8	188		
	1500				6	Juniper	8	188		
	1500				7	Green Ash	11	136		
	1500				8	Green Ash	11	136		
	1500				9	Elm	11	136		
	1500				10	Elm	11	136		
	1500				11	Plum	8	188		

Planting #1

Soil Map—McKenzie County, North Dakota



Map Scale: 1:3,160 if printed on A landscape (11" x 8.5") sheet.

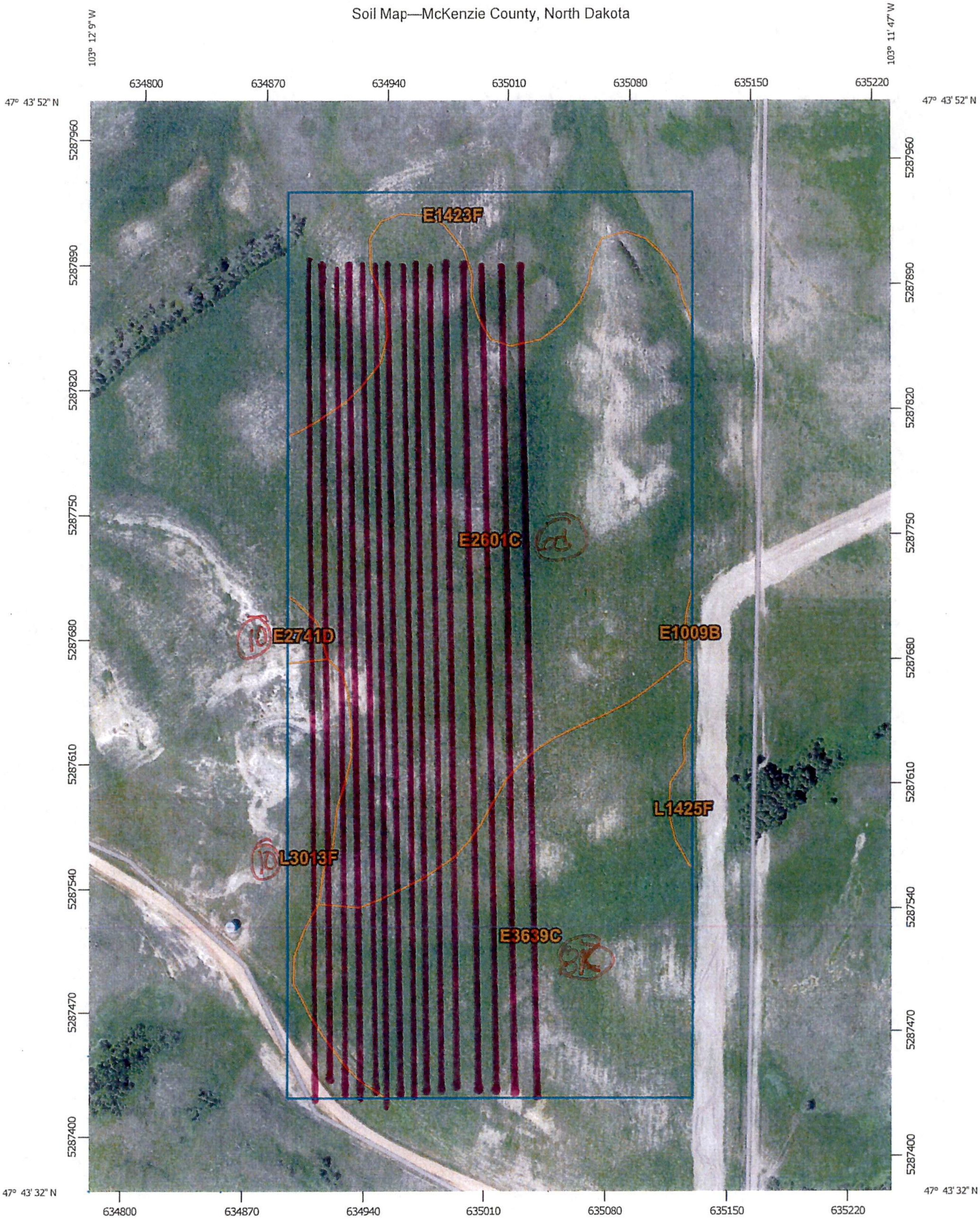
N

Meters: 0 45 90 180 270

Feet: 0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Soil Map—McKenzie County, North Dakota



Map Scale: 1:2,980 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Planting #2

Tree and Shrub Planting
Plan and Record

Name Mike Lee Address Grassy Butte Phone 701-260-1718

Quarter ____ Sec 36 Twp 146 Range 99

Planned by: (H, LA, BS, CN Planted by: ____
Date: ____ Date: ____

F/Stead Yes ; Field ____ ; W/Life ____
S/Fallow ____ ; if other, specify type of land preparation ____
New Planting Yes ; Replants ____ (Indicate date of original planting) ____.

CRP ____ ; EQIP ____ ; CO-0' ____
Other (Indicate) Bakken Link
Between the row spacing 20'
Soil Type :0563B L0454I Suitability Group 9n
Protected from Grazing Yes (Yes, No)
Distance from Road and/or Buildings Yes

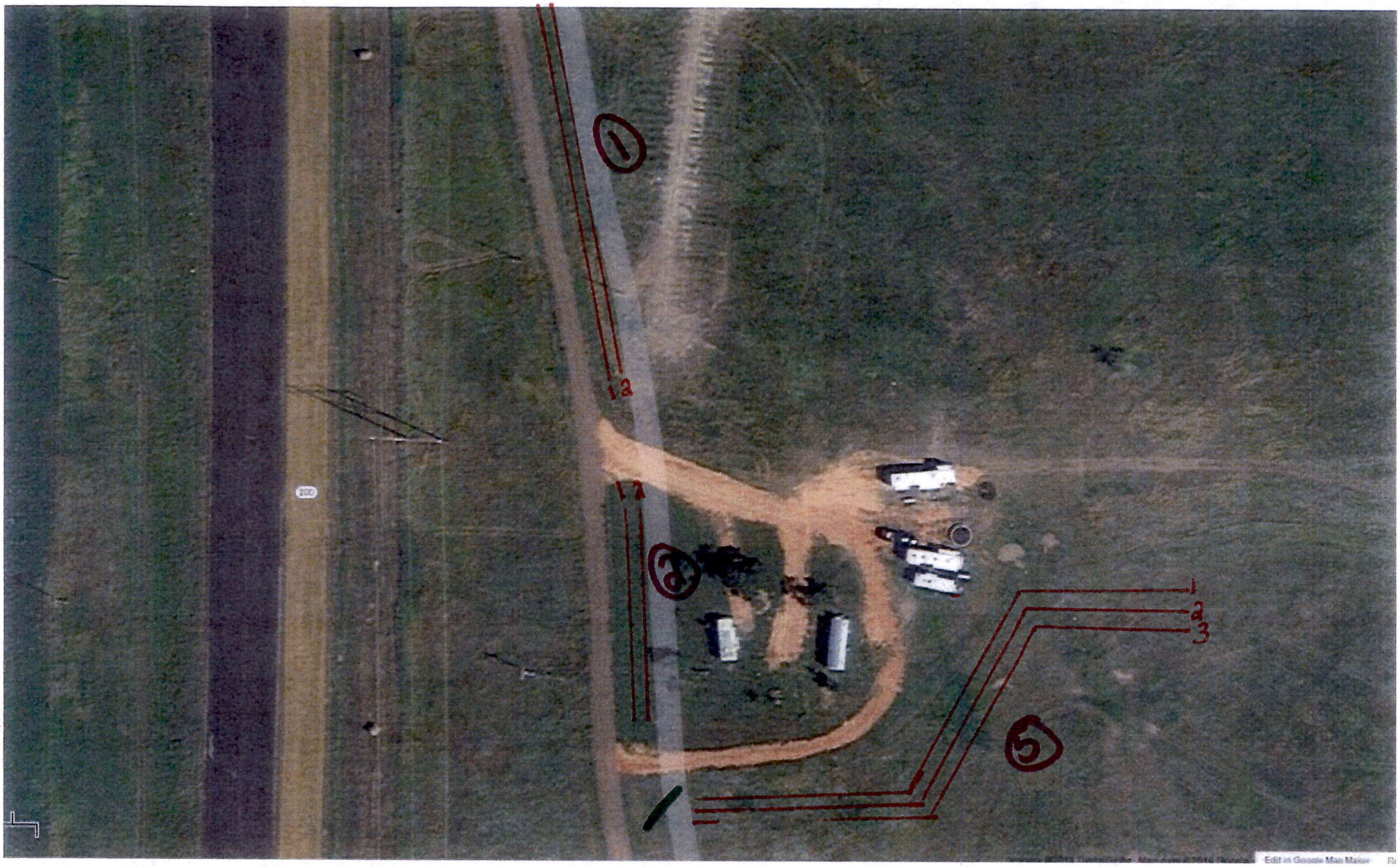
Condition of site at planting time: ____ (Good, Fair, Poor)

Approved ____ (Yes, No) Date ____
By: ____ Title ____

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	315				1	Green Ash	10	32		Fabric: Yes Ground Prep: No
	315				2	Common Lilac	5	63		
2	161				1	Green Ash	10	16		
	161				2	Common Lilac	5	32		
3	553				1	Common Lilac	5	11		
	553				2	Green Ash	10	56		
4	465				1	Green Ash	10	47		
	465				2	Common lilac	5	93		
						Cont. Sheet				

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row # 1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
5	457				1	Common Lilac	5	92		
	457				2	Green Ash	10	46		
	457				3	Green Ash	10	46		
	4359									

sign
553'
3
4
465'
1 2
1 2
1 2



sign

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4
Revised May 2003

Tree and Shrub Planting
Plan and Record

Name Denton Zubke Address Po Box 927 Phone 701-570-4043

Quarter ____ Sec 31 Twp 149 Range 98

Planned by: KH/DZ/CM Planted by: ____
Date: 09/05/14 Date: ____

F/Stead ____; Field ____; W/Life Yes
S/Fallow ____; if other, specify type of land preparation ____
New Planting Yes; Replants ____ (Indicate date of original planting) ____.

CRP ____; EQIP ____; CO-0' ____
Other (Indicate) Bakken Link

Between the row spacing 15'

Soil Type :3541C/E3609 Suitability Group 3[redacted]

Protected from Grazing Yes (Yes, No)

Distance from Road and/or Buildings Yes

Condition of site at planting time: ____ (Good, Fair, Poor)

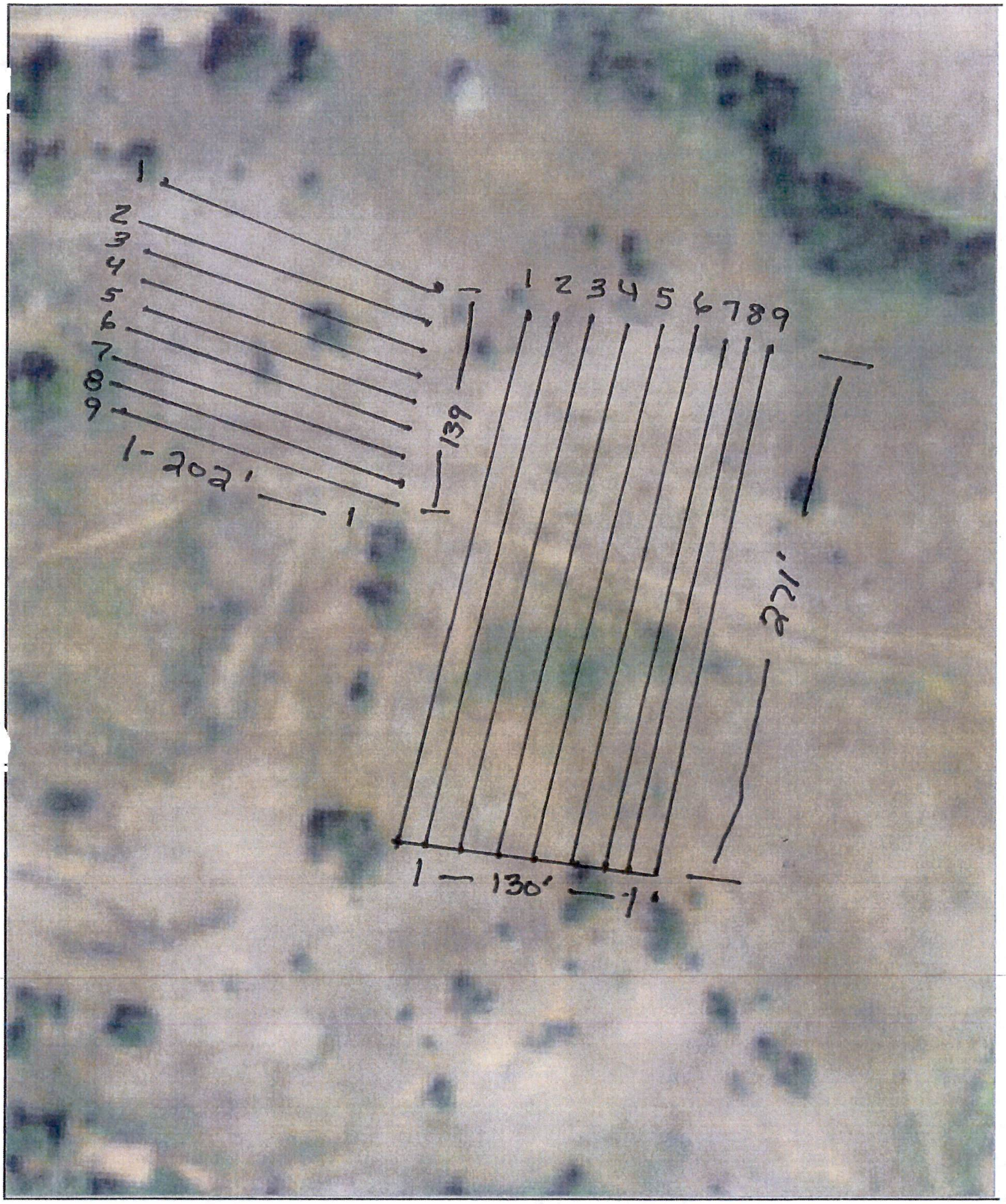
Approved ____ (Yes, No) Date ____
By: ____ Title ____

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row #1 is on North or West Side of Planting / Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
1	271				1	Golden Currant	5	54		Fabric: Yes Ground Prep: Yes
	271				2	Com. Chokecherry	5	54		Also Handplants- Buffaloberry
	271				3	American Plum	8	34		
	271				4	Dolgo Crabapple	8	34		
	271				5	P. Pine	11	25		
	271				6	Boxelder	11	25		
	271				7	Com. Chokecherry	5	54		
	271				8	Juneberry	5	54		
	271				9	Skunkbush Sumac	5	54		
	202				1	Golden Currant	5	40		
	202				2	Com. Chokecherry	5	40		
	202				3	American Plum	8	25		
	202				4	Dolgo Crabapple	8	25		

U.S. Department of Agriculture
Natural Resources Conservation Service

ND-CPA-4 Continuation Sheet
Revised May 2003

Field No.	Planned Length	Planted Length	Planted Width (Inc. 10' on ea. side of planting)	Acres	Row #	Row # 1 is on North or West Side of Planting Species of Tree or Shrub	Spacing in row	Number Planted (Estimated)	Number Planted (Actual)	Spraying and/or Cultivating Plan and Record. (State how weed control is to be accomplished: - type of spray & rate and/or type of cultivation/equipment - indicating when action is to take place.)
2	202				5	P. Pine	11	18		
	202				6	Boxelder	11	18		
	202				7	Com. Chokecherry	5	40		
	202				8	Juneberry	5	40		
	202				9	Skunkbrush Sumack	5	40		
	4257									



10/30/2014

15' Spacing

powered by: GIS Workshop

DISCLAIMER: This map is not intended for conveyances, nor is it a legal survey. The information is presented on a best-efforts basis, and should not be relied upon for making financial, survey, legal or other commitments.

Appendix C

BAKKENLINK PIPELINE LLC

1st FIELD PIPELINE INSPECTION REPORT

For

ND PUBLIC SERVICE COMMISION

600 E. Boulevard Avenue
Bismarck, North Dakota

Date: 11-28-12

Inspection Performed By KLJ, Bismarck, ND

KLJ

BAKKENLINK PIPELINE LLC

1st Field Inspection Report For ND Public Service Commission

Date: 11-28-12

Inspection Performed By KLJ, Bismarck, ND

Inspection started with meeting Bob Gnirk, of Bartlett & West, at Belfield, ND where he presented me with a set of pipeline plans and discussed progress procedures of the installation. The day was quite nice and pleasant. Skies were sunny with a temperature around 50 degrees. We left Belfield and headed west on 36th street, approximately two miles west of Belfield to conduct our first inspection of the 12" crude pipe line.

The pipeline contractor for this project is Alpha. Our intent was to inspect everything on the south side of Interstate I-94.

1. Our first stop was at the highway bore site located on the south side of I-94. Time was approximately 10:20AM. The bore pit was dug with pipe installed in pit, ready for tie-in connection. Right-of-way was graded with the trench excavated, pipe installed and backed filled. It was noted where weld inspection tags were placed on pipe ends. Right of way extends thru pasture land.

2. Second stop was station 105+35. Time noted was 10:26AM. This stop is at the bore pits on each side of 36th street. Bore pits were dug with the 12 inch line pulled under roadway. The right of way was graded with the pipe installed in trench and back filled. Right of way extends thru pasture.

3. Third stop was station 0+00. This station is located at the Fryburg Terminal load-out facility. Right of way is graded, trench excavated with line installed and backfilled. Portion of the line is exposed to be extended to launcher. Right of way extends thru farmland.

4. Fourth stop was at tie-in station 9+87.3. This station was located east of the Fryberg terminal. Time noted was 10:40AM. Right of way was graded, trench excavated with pipe installed and backfilled. Portion of trench left open for pipe tie-in to be completed

BAKKENLINK PIPELINE LLC Continued

5. Fifth stop was at start of wetland location, which was located north of the Fryberg terminal. Time noted was 10:48AM. Trench was excavated with workers placing welded pipe into open trench. Right of way extends thru farmland. This concludes all stops on south side of I-94.

6. The sixth stop was located on north side of I-94. Station noted was 153+19. Time shown was 11:30AM. Pipe line right of way was graded with 12" pipe strung out along right of way. No trench excavation done. Welders were welding pipe sections together during inspection. Right of way extends thru farmland.

7. Seventh stop was at station 323+65. Time noted 11:50AM. Right of way was graded, but no trench excavated. 12" pipe was welded together and set on wood skids. Right of way extends thru hayland.

8. Eighth stop was at station 363+78. Time noted 12:05PM. This station is where the 8" Belfield lateral takes off and heads east to Whiting plant. 12" main line extends to the north. Right of way for lateral was graded on 11-27-12. Right of way for 12" main line is graded with no trench excavated, Pipe is welded and set on skids.

9. Ninth stop was the site of the first environmental concern which was marked off with do not enter signs. Bob Gnirk showed me the areas of concern between Standing Rock Sioux Tribe and Archaeology consultant. Time noted at this stop was 12:15PM.

10. Tenth stop was station 608+66. Time noted 12:38PM. This site is the green river right of way. Right of way was graded with no trenching done. Welders were welding pipe and pipe was set on skids. Right of way is extend thru pasture land.

11. Eleventh stop was station 867+85. Time noted was 1:05PM. Right of way has been graded with no pipe strung out on ground. Right of way extends thru farmland.

12. Twelfth stop was station 1093+74. Time noted at stop was 1:27PM. This site is the second area of environmental concern. No grading of right of way done due to environmental issues. This was our last stop for inspections. All points beyond this station were only graded right of ways. No pipe had been strung out any further.

During inspection, nothing was found to be unacceptable practices for the installation of the 12" line or the grading of the right of way. No photos were taken during inspection route

Inspection conducted by

Arnie E. Siverson, KLJ

BAKKENLINK PIPELINE LLC

2nd FIELD PIPELINE INSPECTION REPORT

For

ND PUBLIC SERVICE COMMISION

600 E. Boulevard Avenue
Bismarck, North Dakota

Date: 6-19-13

Inspection Performed By KLJ, Bismarck, ND

KLJ

BAKKENLINK PIPELINE LLC

2nd Field Inspection Report For ND Public Service Commission
Date: 6-19-13

Inspection Performed By KLJ, Bismarck, ND

Inspection started with meeting Bob Gnirk, of Bartlett & West, at Fairfield, ND where we planned and discussed right of way progress procedures and pipeline installation. The day was cool and breezy. Skies were partly sunny and cloudy with a temperature around 66 degrees. We left Fairfield and headed west on 20th street, approximately ¾ of a mile to conduct our first inspection of the 12" crude pipe line.

The pipeline contractor for this project is Alpha. Our intent was to inspect pipeline right of way north of Fairfield, ND. Everything south of Fairfield had been inspected on 11-28-12, which was done on the first inspection.

1. Our first stop was at station 1040+38, which is centerline of 20th street. It was noted that the pipeline on both sides of 20th street has been installed. The pipe has been installed in the trench. Right of way has been graded and top soil leveled off. It was noted the pipeline trench on both sides of the roadway has started to cave in due to the excessive wet weather and amount of rain this spring. The trenches need to be filled in and repairs made. Pipeline was bored under 20th street. Right of way has been cleaned up and fences have been installed. Right of way needs to be seeded thru alfalfa field.

2. Second stop was station 1364+92, which is center line of 14th street SW. Pipe has been installed in trench. Right of way has been graded and top soil leveled off. Pipeline was bored under 14th street SW. Right of way needs to be cleaned up as misc. piping and materials were left on site. Fencing has been completed. Right of way needs to be seeded thru alfalfa hay field.

3. Third stop was station 1789+58, which is center line of 7th street. Met with Alpha job foreman, who was on construction site. Pipeline has been installed in trench with back filling completed. Contractor was working on leveling top soil over right of way on south side of 7th street. Top soil grading has not been started on north side of 7th street. Mats have been picked up and stacked on right of way. Clean up work still needs to be completed. Pipeline has been bored under roadway. Fencing has been completed.

BAKKENLINK PIPELINE LLC-Continued

4. Fourth stop was station 1900+34 which is the Dunn Receiving Point, south of highway 200. Stopped at site to look at valve set. Right of way has been graded, pipeline installed in trench and back filled. No top soil grading done. A lot of site clean up to be done on right of way and around valve set. Tie-in to valve set from receiving station by others. Tank batteries are also located on site.

5. The fifth stop was station 2523+49 which is center line of Lone Butte Road. Stopped at site to look at Valve Set #7 which is located at station 24+89, on the north side of road way. Gauge on valve set showed 122psi. Oil in line heading south to Fryberg main line #10 facility. Right of way has been graded, pipeline installed in trench and backfilled. Right of way on south side of roadway has had top soil re-graded and has been seeded. This portion of right of way has been cleaned and looks excellent. Right of way on north side of road has had piping installed in trench and back filled. Top soil grading and planting needs to be completed. Pipe line has been bored under roadway and fencing completed.

6. Sixth stop was station 2742+91 which is located at Summit Camp Site. Pipe line has been installed and trench backfilled. Top soil has been graded back and has been seeded. The stretch of right of way that has been seeded is about one mile long. It was noted that grass seed was sprouting and growing. A lot of clean up was completed except 2 spots that fracked out when right of way was bored.

7. Seventh stop was station 2986+48 which is on north side of Long X Road. Stopped at site to look at Valve Set #6 which is located on south side of river. Gauge on valve set showed 364psi. Oil in line. A lot of clean up still required. Mats still on ground due to wet conditions. Pipe has been installed in trench and backfilled to the east. Grading has been done on right of way heading east, but no seeding done due to wet conditions. Pipeline heading north has been bored and crosses river. A lot of clean up needs to be done on this bore site.

8. Eighth stop was station 2933+41 which is on north side of Long X Road. This station was a bore site. Bore rig was located on north side of roadway and drilled under Long X Road and headed south up towards badland buttes. Right of way on north side of road way is a mess and a lot of clean up work is required. Grading and seeding needs to be done as well.

BAKKENLINK PIPELINE LLC-Continued

9. Ninth stop was station 3150+84 which is off 14th street SW. Stopped at site to look at Valve Set #5 which is set on the north side of the river. Gauge on valve set showed 187psi. Oil in line. Line has been installed in trench and backfilled. Grading has been done on south side of road way which looks pretty good. Grading still needs to be done on north side of road. Clean up work needs to be completed. Roadway has been bored and fencing completed. No seeding of right of way done.

10. Tenth stop was station 3491+52. This site is located at Northern Border pipe line location. Right of way has been graded and piping has been set on supports. Bore crew was on site ready to pre-drille line today and pull line into trench Tuesday. This line is to extend under Northern borders 42" pipe line.

11. Eleventh stop was station 3913+85 which is center line on county road 23rd street NW. We unloaded the atv buggy here and headed south on right of way. Welders on site working on line getting ready so pipeline can be bored under county road. Right of way has been graded on both sides of county road with top soil placed along side of right of way. No trenching started yet.

12. Twelfth stop was station 3906+11. This station is located on right of way. Right of way has been graded with pipe welded and setting pipe supports. No trenching has been done. Top soil is placed off right of way.

13. Thirteenth stop was station 3870+60. This station is located on right of way, south side of road way 23nd street NW. Right of way has been graded with piping welded together laying on top of ground on supports, heading north. No piping strung out heading south. Top soil has been pushed off right of way.

14. Fourteenth stop was station 3928+00. This station is located on right of way, on the north side of roadway 23nd street NW. Right of way has been graded and piping has been strung out on the ground, but no welding done. Top soil has been placed off right of way.

BAKKENLINK PIPELINE LLC-Continued

15. Fifteenth stop was station 3945+50. This station is located on right of way. This site is an area of native culture/environmental concern. Grading for the right of way has been completed with piping strung out on ground. No welding has been done. Cultural site has been fenced off along east side along right of way.

16. Sixteenth stop was station 3990+21. This station is located on right of way, heading north. Right of way has been graded with top soil placed along edge of right of way. Piping was strung out along right of way. Contractor was on site bending piping to fit graded route. No welding had been done on piping yet.

17. Seventeenth stop was at station 4046+42. Station is located at end of right of way, where a boring will be done to cross a creek bed. This is the end of the line where piping has been unloaded off truck. Rest of right of way has been graded towards the north. No piping strung out beyond this point. Mats were placed around creek bed so equipment and workers can continue along right of way.

18. Eighteenth stop was at station 4075+15. Station is located on right of way heading north. Right of way has been graded with top soil placed on edge of right of way. No piping strung out. Blocking has been placed on right of way for future piping supports.

19. Nineteenth stop was at station 4092+45. Station is located at end of right of way where a boring will be done to cross a creek bed. Right of way has been graded with top soil placed along side of right of way. No piping on site.

20. Twentieth stop was at station 4262+66, which is center line of private roadway 118. Right of way to west is graded and piping is in trench and backed filled, to highway 23 north side approximately 4 miles. Right of way to east of road way 118 has just been graded with top soil placed along side of right of way. No piping has been installed in right of way.

21. Twenty-first stop was station 4369+30 center line of road 116 Ave NW. This is the end of the line for right of way work at present. To the east of this station is only prairie. No grading started yet. To west of station 4369+30 right of way was graded and ready to bore line under roadway 116 Ave NW. This is end of line as of 6/19/13.

BAKKENLINK PIPELINE LLC-Continued

During inspection nothing was found to be unacceptable practices for the installation of 12" oil line or grading of right of way. Pictures were taken during inspection and are attached at the end of this report.

Inspection conducted by

Arnie E. Siverson, KLJ

STATION 1040+38 - LOOKING NORTH AT RIGHT-OF-WAY
TRENCH CAVE IN

STATION 1040+38 – LOOKING SOUTH AT RIGHT-OF-WAY
TRENCH CAVE-IN

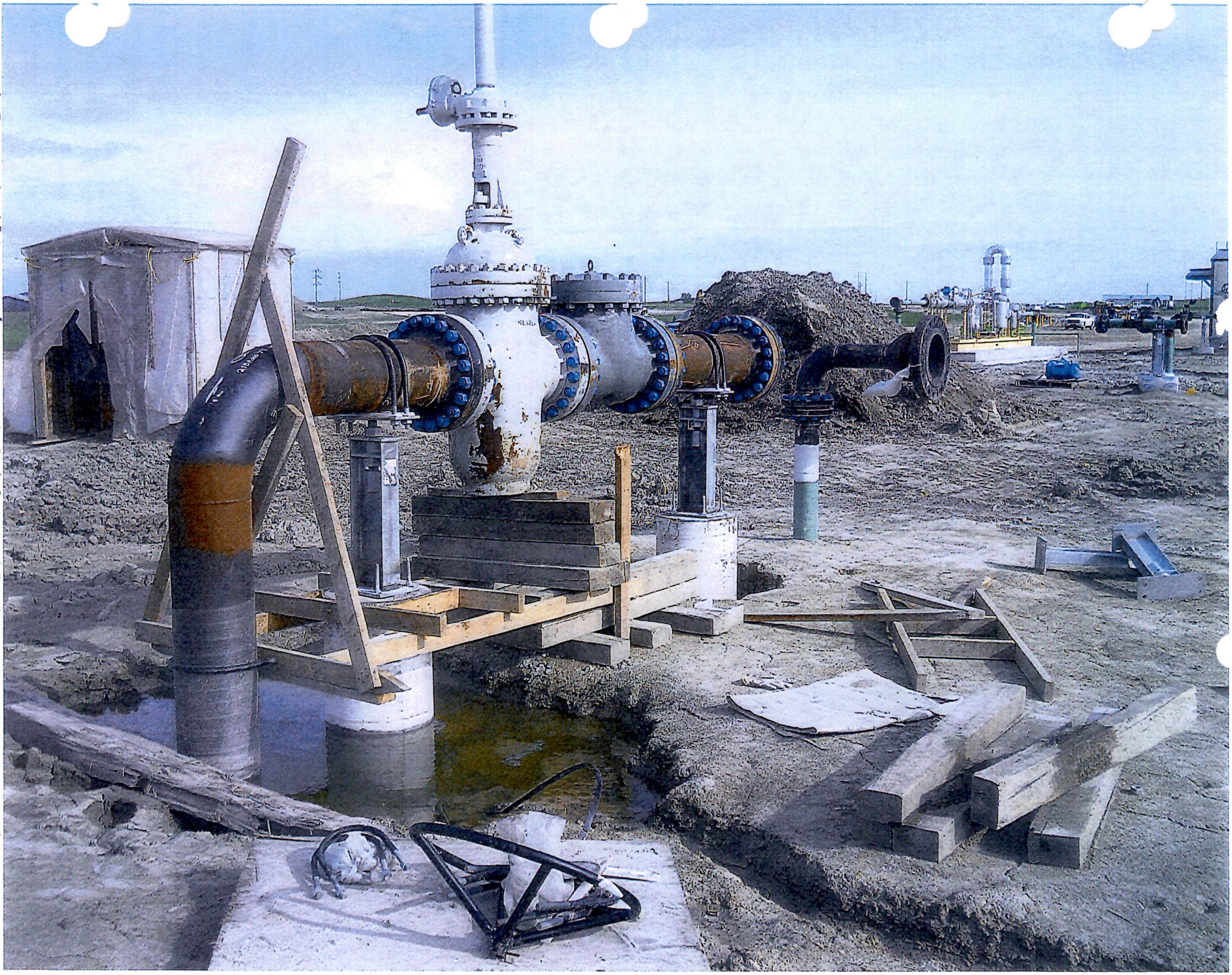
STATION 1364+92 - LOOKING SOUTH AT RIGHT-OF-WAY
CLEAN UP WORK REQUIRED

STATION 1364+92 - LOOKING NORTH AT RIGHT-OF-WAY
GRADING COMPLETE, NO SEEDING DONE

STATION 1789+58 - LOOKING SOUTH AT RIGHT OF WAY
CONTRACTOR STARTING GRADING WORK

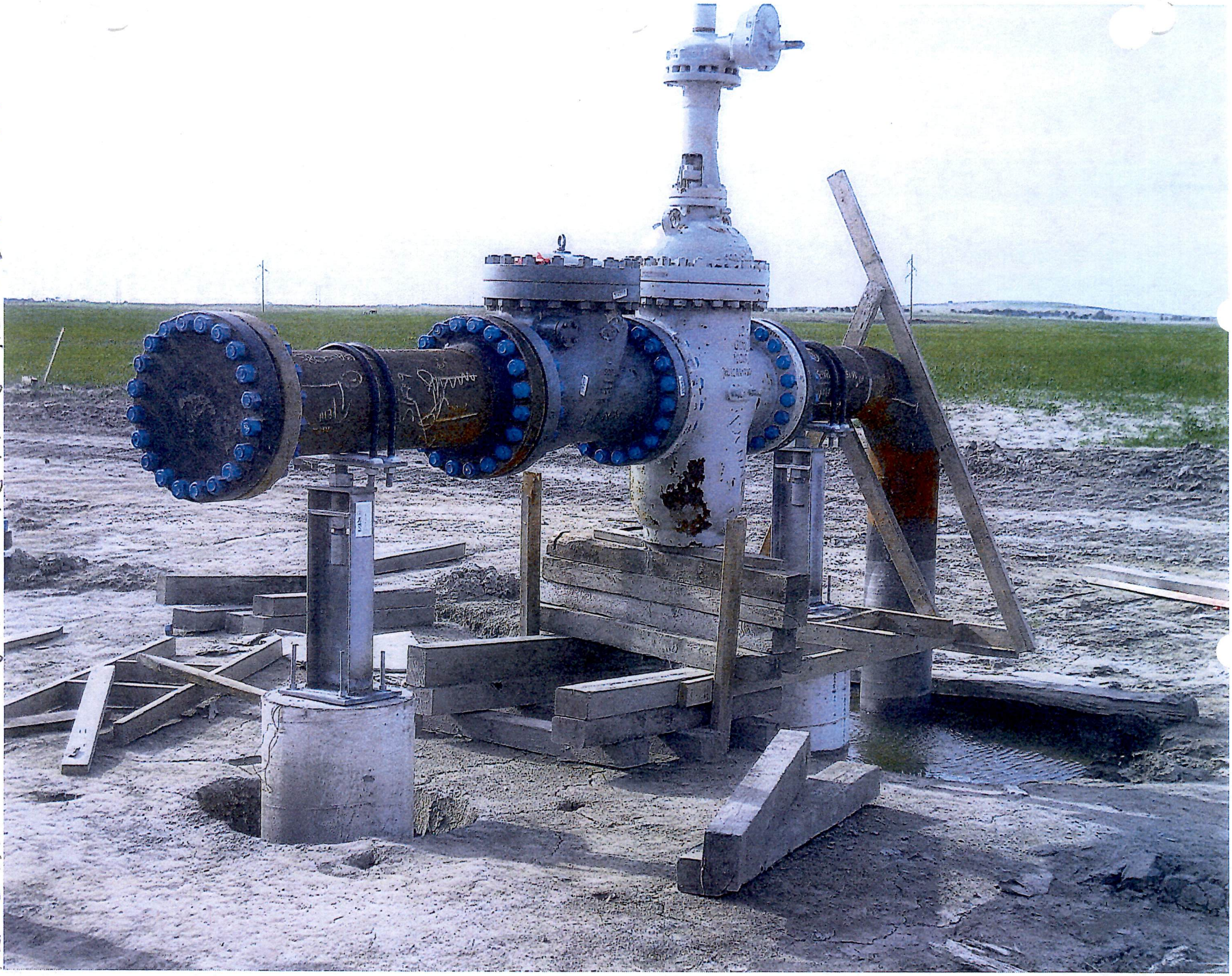
STATION 1789+58 - LOOKING NORTH AT RIGHT-OF-WAY
GRADING TO BE DONE

STATION 1900+34 DUNN RECEIVING POINT - LOOKING EAST AT RIGHT-OF-WAY GRADING REQUIRED AND CLEAN UP.

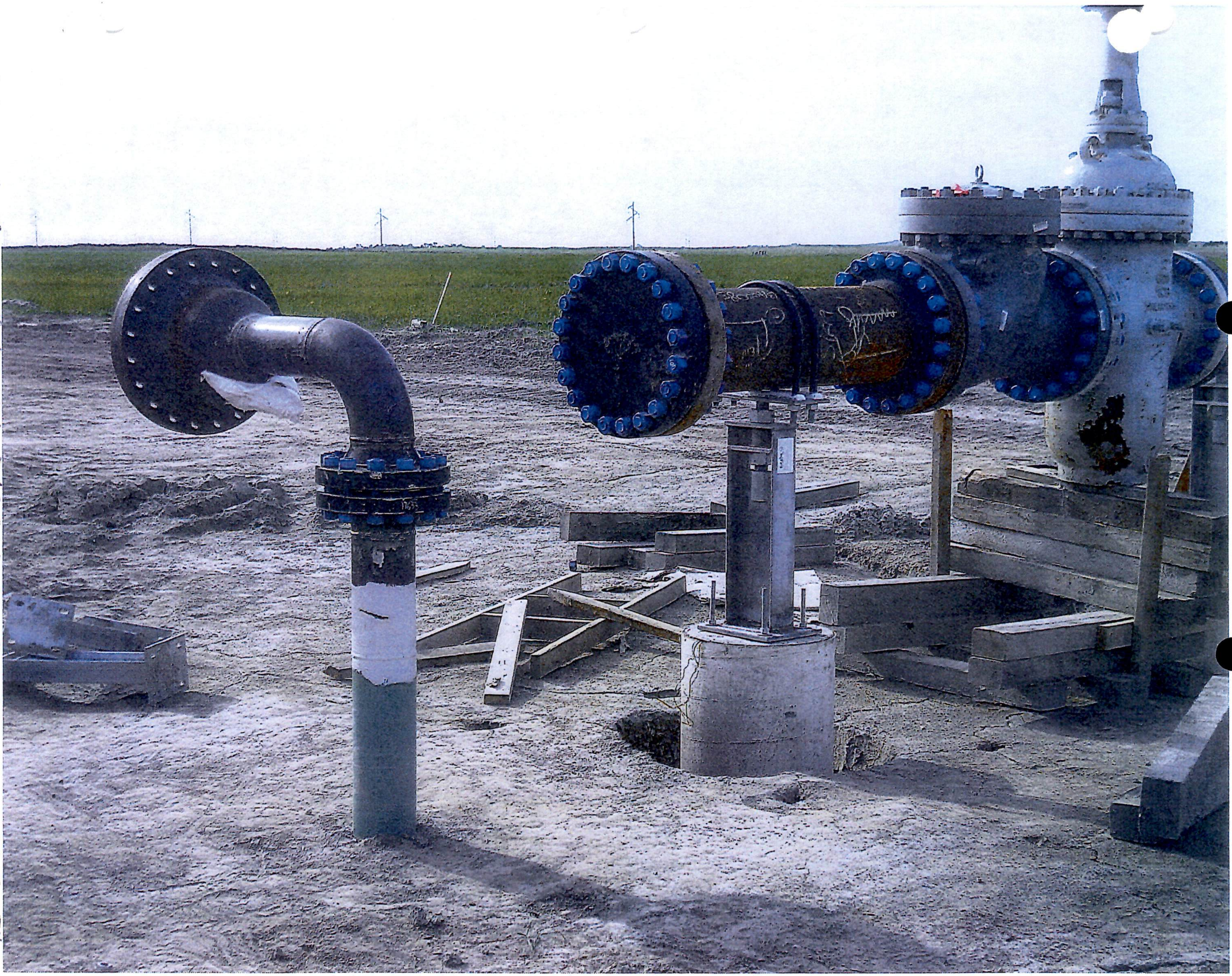


STATION 1900+34 DUNN RECEIVING POINT VALVE SET

STATION 1900+34 DUNN RECEIVING POINT-LOOKING NORTH



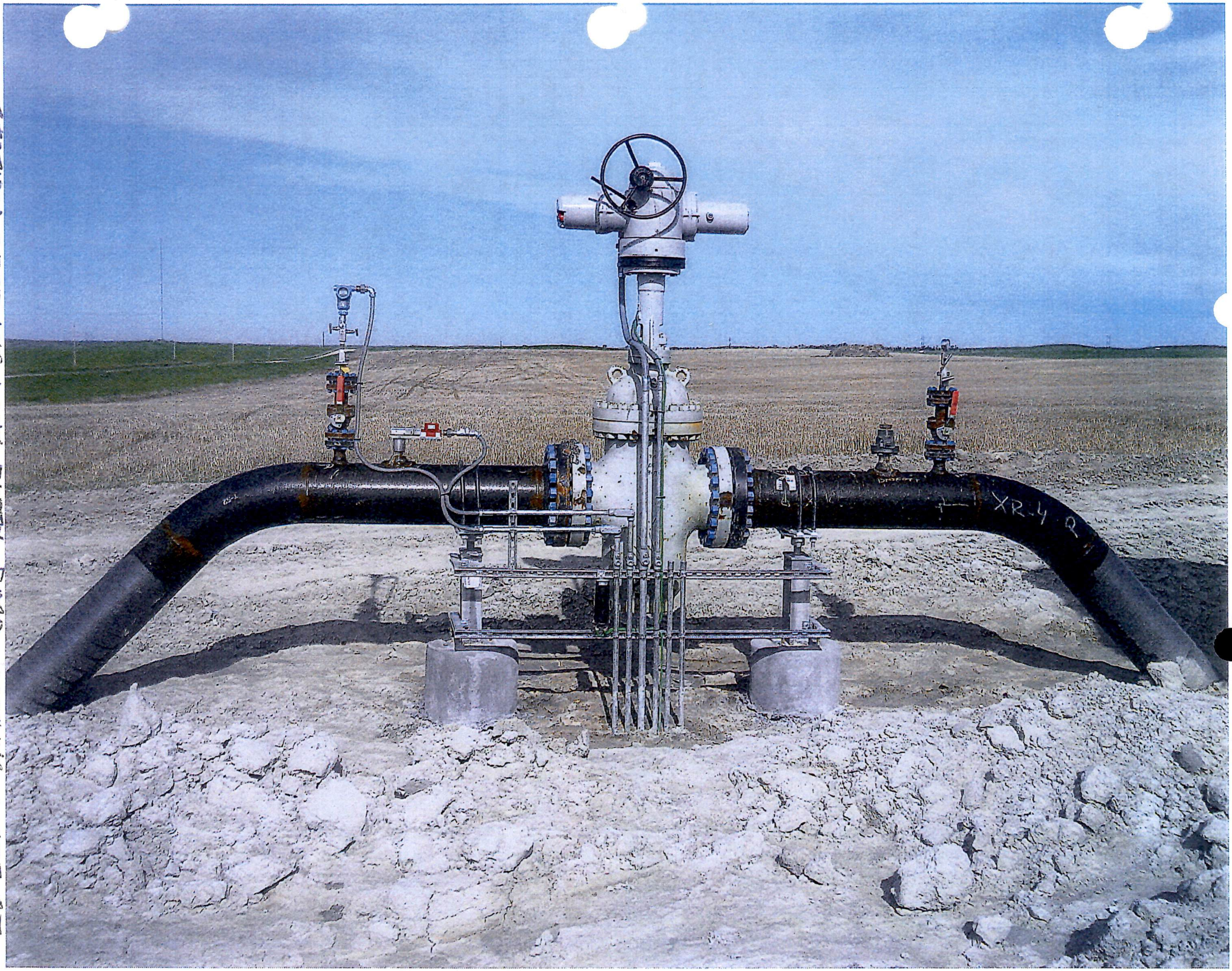
STATION 1900+34 DUNN RECEIVING POINT - LOOKING SOUTH
AT VALVE SET



STATION 1900+34 DUNN RECEIVING POINT - LOOKING SOUTH-EAST AT VALVE SET & PIPING ARRANGEMENT

STATION 1900+34 DUNN RECEIVING POINT-LOOKING AT TANK BATTERIES

STATION 1900+34 DUNN RECEIVING POINT - LOOKING NORTH
AT RIGHT-OF-WAY



STATION 2523+49 LONE BUTTE ROAD - LOOKING WEST AT
VALVE SET #7

STATION 2523+49 LONE BUTTE ROAD - LOOKING NORTH AT
RIGHT-OF-WAY SHOWING VALVE SET #7 & ELEC.
CONTROLLER

STATION 2523+49 LONE BUTTE ROAD - LOOKING SOUTH AT
RIGHT-OF-WAY SEEDING COMPLETED

STATION 2523+49 LONE BUTTE ROAD - LOOKING SOUTH AT
RIGHT-OF-WAY SEEDING COMPLETE

STATION 2742+91 SUMMIT CAMP SITE - LOOKING SOUTHEAST
AT RIGHT-OF-WAY SEEDED & GROWING

STATION 3742+91 SUMMIT CAMP SITE-LOOKING EAST AT RIGHT-OF-WAY THAT HAS BEEN SEEDED & GROWING

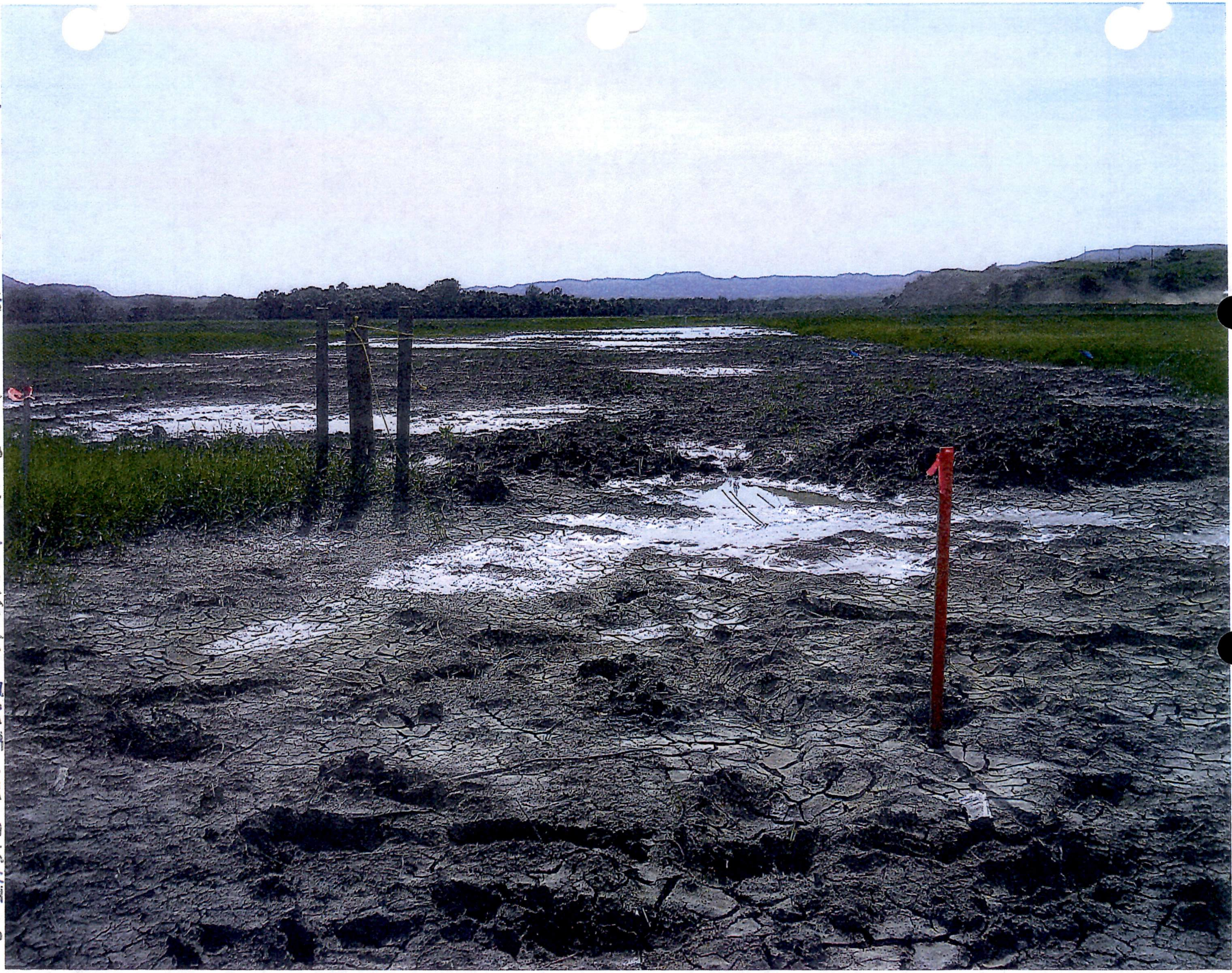
STATION 2742+91 SUMMIT CAMP SITE - SPOT THAT FRACKED OUT AT SOUTH SIDE OF RIGHT-OF-WAY WHEN BORED

STATION 2986+48 LONG X ROAD - LOOKING NORTH AT MATTED ACCESS APPROACH HEADING TO VALVE SET #6

STATION 2986+48 LONG X ROAD - LOOKING SOUTH AT MATTS
FROM VALVE SET #6 HEADING UP TO LONG X ROAD

STATION 2986+48 LONG X ROAD - LOOKING NORTH AT VALVE
SET #6. LITTE MISSOURI RIVER TO THE NORTH

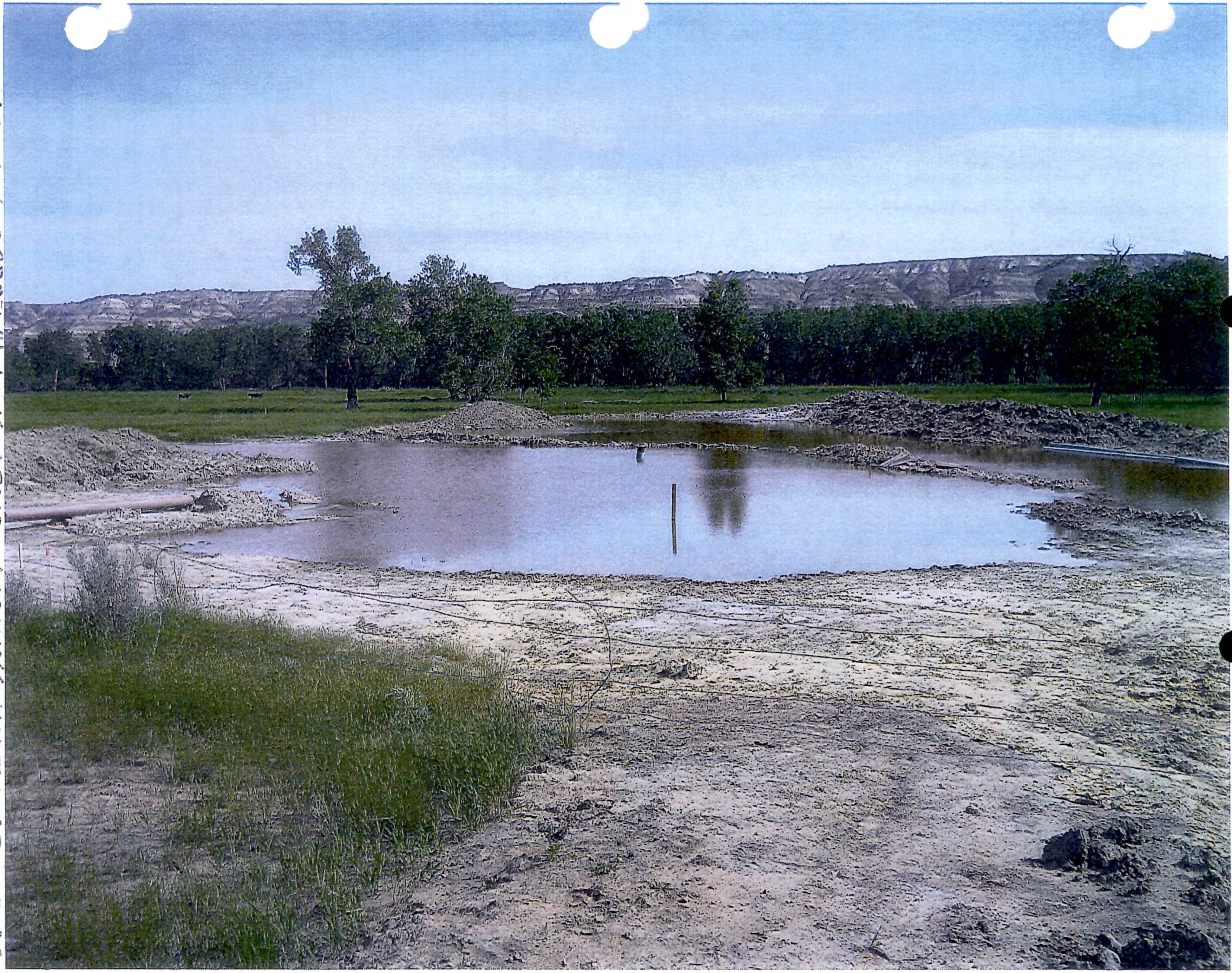
STATION 2986+48 LONG X ROAD - LOOKING EAST AT ELEC. CONTROLLER FOR VALVE SET #6



STATION 2986+40 LONG X ROAD - LOOKING EAST AT RIGHT-OF
WAY HEADING TO VALVE SET #6

STATION 2986+48 LONG X ROAD - LOOKING NORTH AT RIGHT OF WAY WHICH IS BORED UNDER RIVER. A LOT OF CLEAN UP REQUIRED

STATION 2933+41 LONG X ROAD - LOOKING NORTH AT A BORE PIT
WHERE LINE WAS DRILLED TOWARDS SOUTH. RIGHT-
OF-WAY GOES TO LEFT

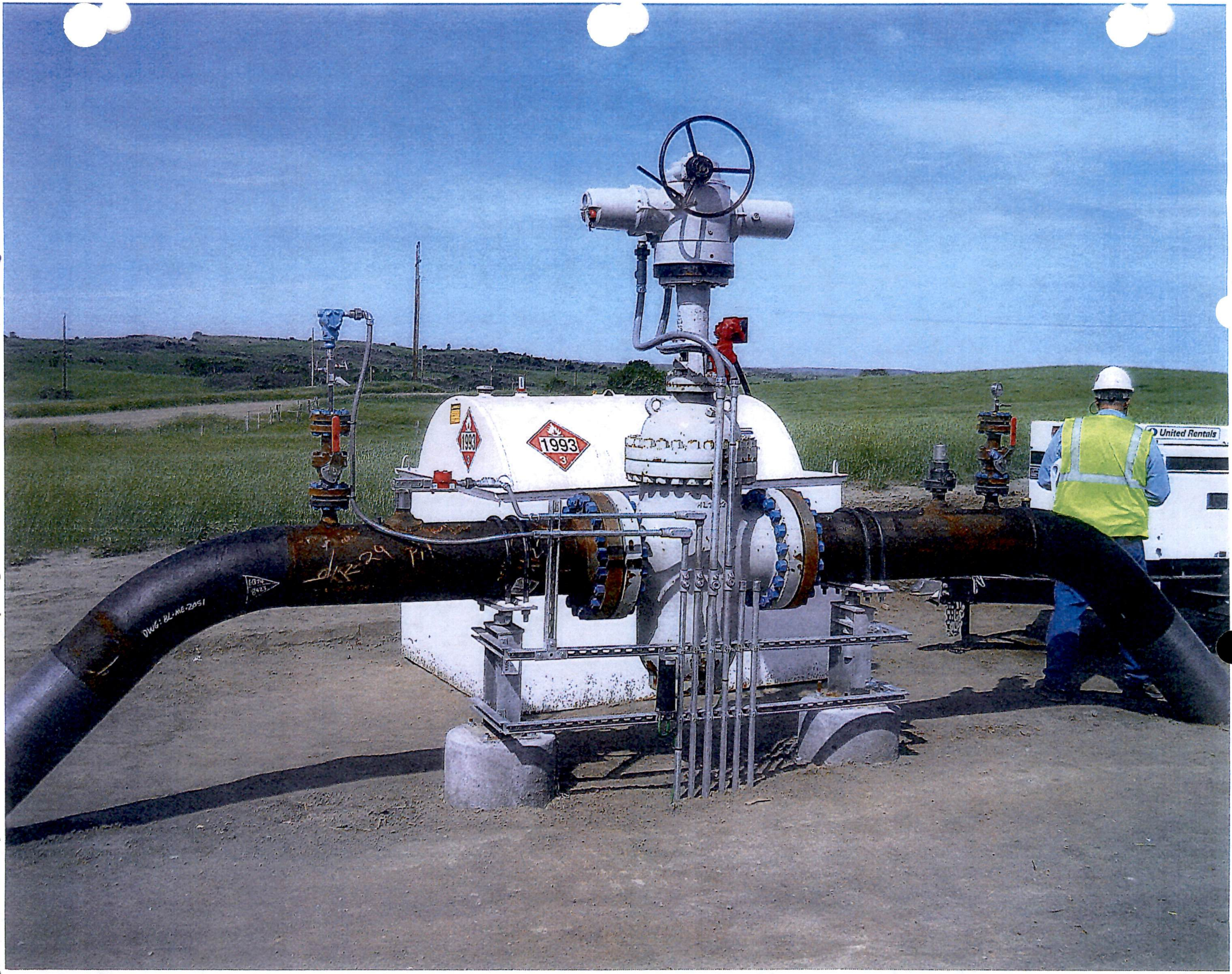


STATION 2933+41 LONG X ROAD - LOOKING NORTH AT A BORE
PIT WHERE LINE WAS DRILLED TOWARDS SOUTH.
RIGHT-OF-WAY EXTENDS TO LEFT

STATION 2933+41 - LOOKING AT BORE PIT FROM LONG X ROAD
ALOT OF CLEAN UP WORK REQUIRED

STATION 2933+41 LONG X ROAD - LOOKING SOUTH FROM BORE
PIT WHERE LINE EXTENDS SOUTH UP BADLAND
BUTTES

STATION 3150+84 LOOKING SOUTH AT RIGHT-OF-WAY FROM
FROM 14TH STEET SW



STATION 3150+84 - VALVE SET #5 LOOKING NORTH, VALVE SET #5 IS LOCATED ON NORTH SIDE OF RIVER

STATION 3150+84 - LOOKING NORTH AT VALVE SET #5
CONTROLLER WITH RIGHT-OF-WAY BEYOND

STATION 3150+84 LOOKING NORTH AT RIGHT-OF-WAY FROM
14th STREET SW

HEADING NORTH ON RIGHT-OF-WAY, GRADING TO
BE DONE & CLEAN UP REQUIRED

STATION 3491+52- LOOKING SOUTH AT RIGHT-OF-WAY WITH PIPING WELDED AND SET ON SKIDS. SHOWING BORE PIT WHERE LINE WILL BE BORED TO NORTH

STATION 3491+50 - LOOKING NORTH WHERE LINE WILL
BE BORED UNDER NORTHERN BORDERS 42"
GAS LINE

STATION 39/37+85 - SOUTH SIDE COUNTY ROAD 23th Street NW
WORKERS AND WELDERS WORKING ON PIPELINE

STATION 3913+85 - SOUTH 3IDE 23rd STREET NW - WORKERS AND
WELDERS WORKING ON PIPE SO BORING CAN BE
DONE UNDER COUNTY ROAD

STATION 3913+85 – SOUTH SIDE OF ROAD 23TH STREET NW LOOKING SOUTH AT PIPE TO BE BORED UNDER 23TH STREET NW

STATION 3913+85 - SOUTH SIDE 23TH STREET NW - LOOKING NORTH AT RIGHT-OF-WAY WITH PIPE STRUNG OUT BUT NOT WELDED

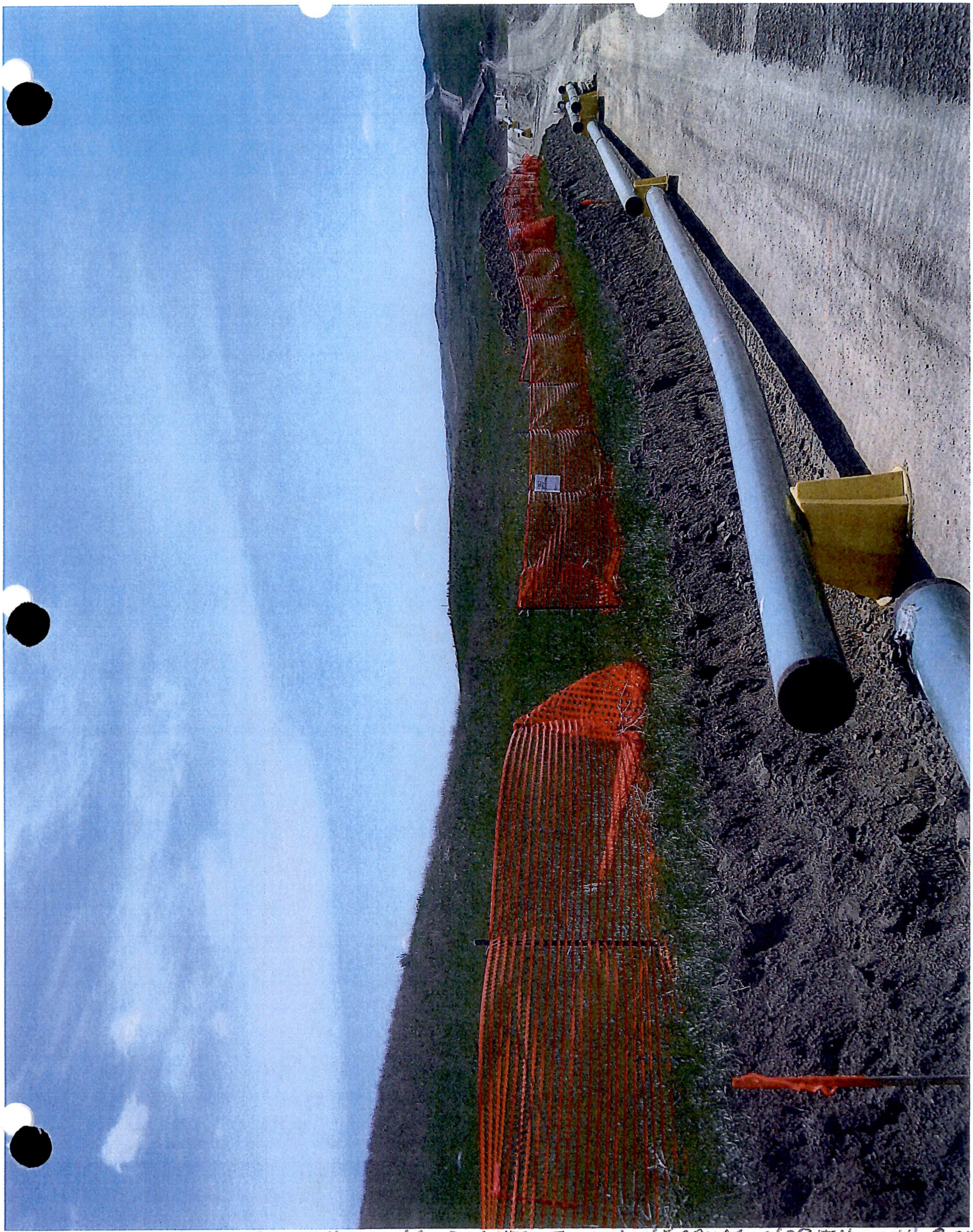
STATION 3906+11 - RIGHT-OF-WAY HEADING NORTH. RIGHT-OF-WAY GRADED WITH PIPING WELDED AND ON SUPPORTS

STATION 3870+60 RIGHT-OF-WAY HEADING NORTH. RIGHT-OF-WAY GRADED AND WELDED PIPE ON SUPPORTS

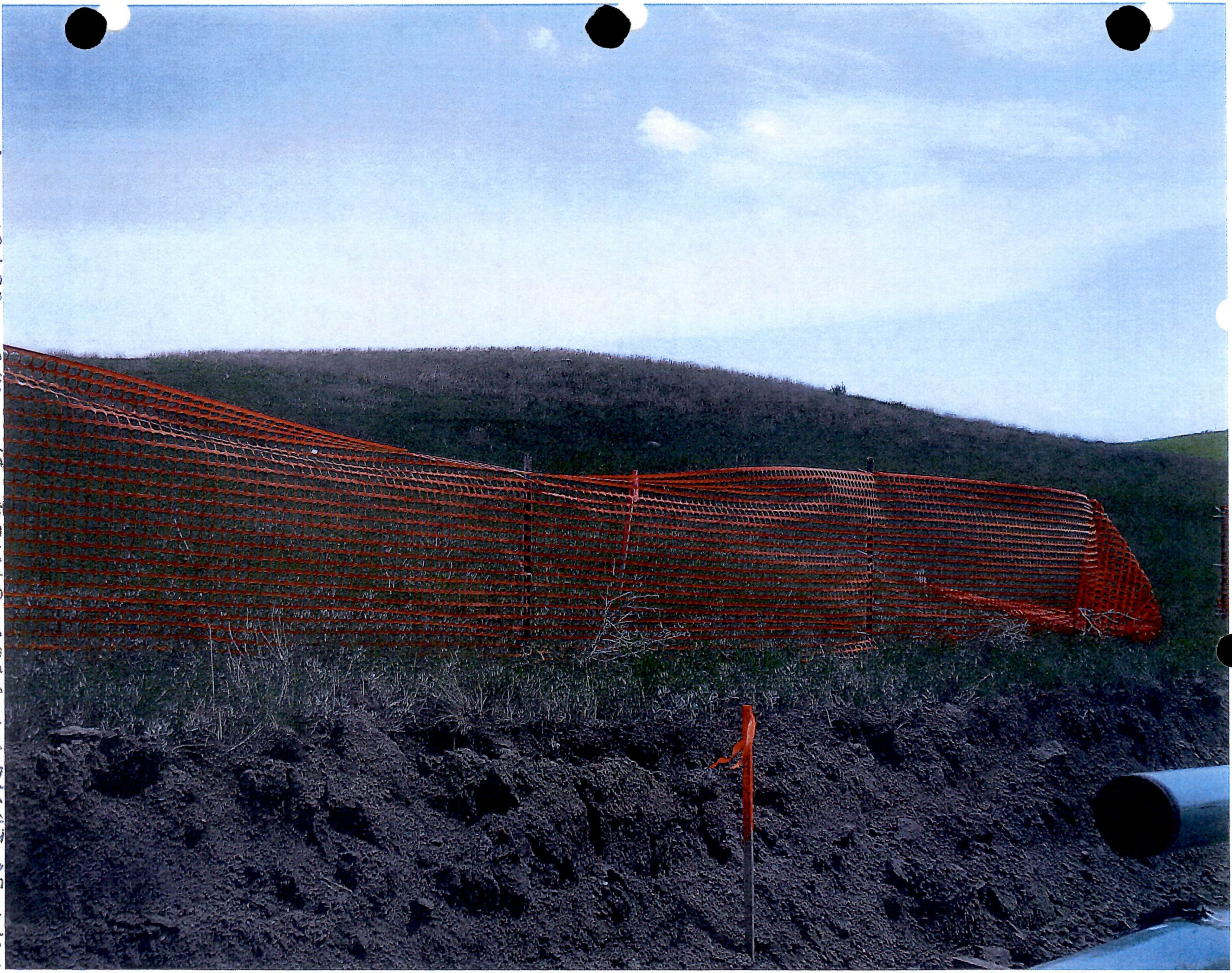
STATION 3870+60 RIGHT-OF-WAY HEADING SOUTH. RIGHT-OF-
WAY GRADED BUT PIPING STRUNG OUT

STATION 3928+00 LOCATED ON NORTH SIDE OF ROADWAY & 3RD STRE
RIGHT-OF-WAY GRADED, PIPING STRUNG OUT BUT NO
WELDING DONE

STATION 3928+00 LOCATED ON NORTH SIDE OF ROADWAY & 3RD STREET
RIGHT-OF-WAY GRADE, PIPING STRUNG OUT BUT NO
WELDING DONE, RIGHT-OF-WAY HEADING NORTH



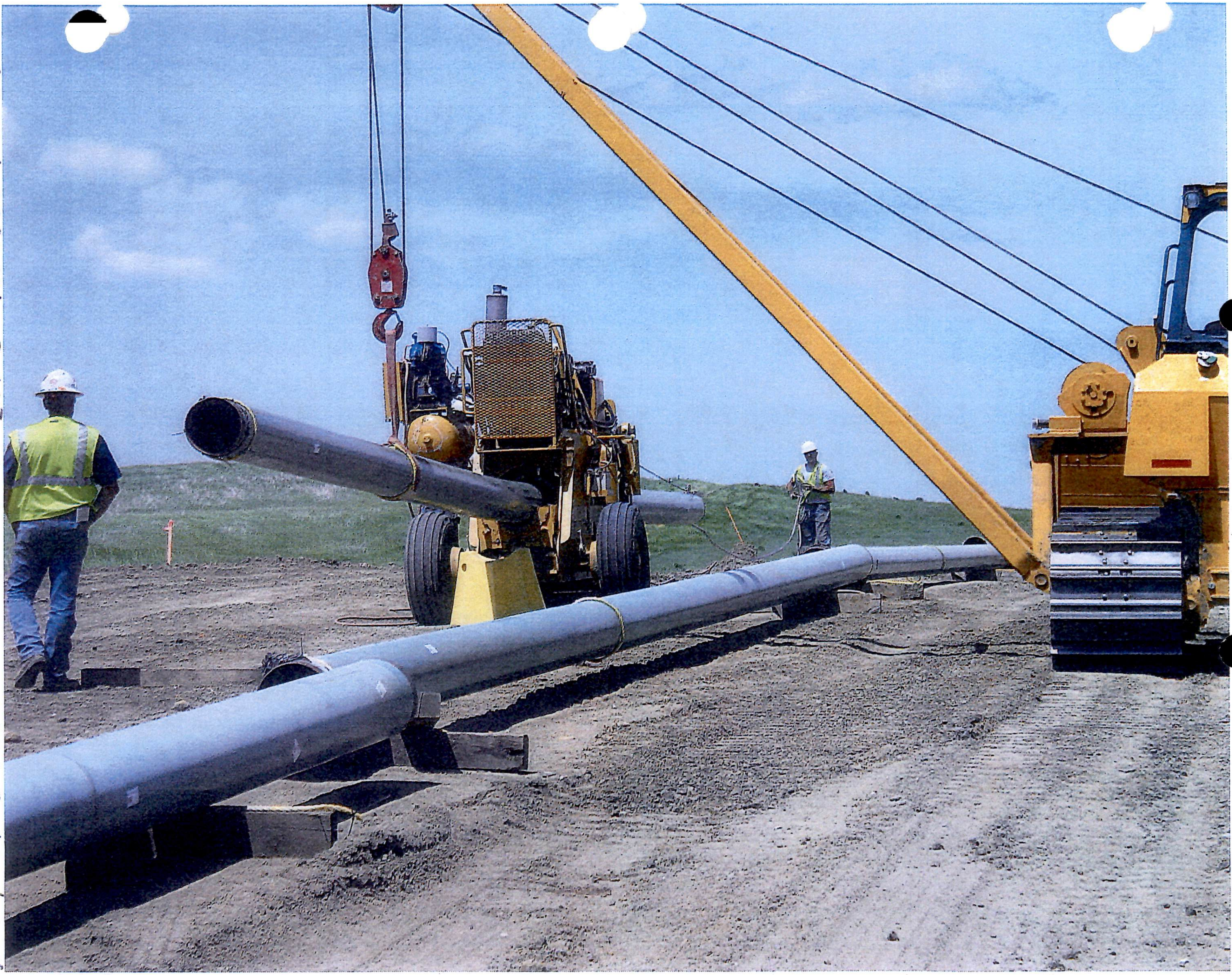
STATION 3945+50 - SHOWING RIGHT-OF-WAY HEADING NORTH WITH PIPE ON GROUND AND RIGHT-OF-WAY GRADED. FENCE TO THE EAST FOR NATIVE CULTURE/ENVIRONMENTAL CONCERN



STATION 3945+50 - SHOWING FENCED AREA ON RIGHT-OF-WAY FOR NATIVE CULTURE/ENVIRONMENTAL CONCERN. RIGHT-OF-WAY HEADS NORTH

STATION 3945+50 - SHOWING ENVIRONMENTAL FENCING ON
EAST SIDE OF RIGHT-OF-WAY

STATION 3945+50 - SHOWING NATIVE ARTIFACTS INSIDE FENCED AREA ALONG EAST SIDE RIGHT-OF-WAY



STATION 3990+21 RIGHT-OF-WAY HEADING NORTH. Contractor on site Bending 12" PIPE TO FIT GRADED ROUTING

TYPICAL EROSION CONTROL SET-UP ALONG RIGHT-OF-WAY AT ALL WATER WAYS

STATION 4046+48. THIS IS THE END OF THE LINE FOR PIPING
BEING UNLOADED OFF TRUCK & STRUNG OUT ON
RIGHT-OF-WAY

STATION 4046+42 - PIPE BEING UNLOADED OF TRUCKS ON RIGHT-OF-WAY HEADING NORTH. TRUCK ON MATS. THIS IS AS FAR AS PIPING IS ON RIGHT-OF-WAY.

STATION 4046+42 - GRADING OF RIGHT-OF-WAY

STATION 4075+15 - LOOKING NORTH AT RIGHT-OF-WAY. RIGHT-OF-WAY HAS BEEN GRADED. BORING TO BE DONE AT TREED CREEK BED BEYOND

STATION 4075+15 - LOOKING NORTH AT RIGHT-OF-WAY SHOWN
WOOD SKIDS FOR FUTURE PIPING SUPPORTS

STATION 4092+45 - SHOWING CREEK BED TO BE BORED LOOKING NORTH

STATION 4092+45 - RIGHT-OF-WAY SOUTH END GRADED WITH
TOP SOIL OFF SIDE OF RIGHT-OF-WAY

STATION 4093+45 – RIGHT-OF-WAY NORTH END WHERE
BORING TO BE PLACED

STATION 4262+66 - Right-of-way Looking West Where Piping is installed, Trench backfilled with Grading to be completed. This extends 4 miles to Highway 23

Station 4262+66- Right-of-Way looking East. Right-of-Way has been graded but no piping installed