



Basin Electric Power Cooperative

Roundup-Kummer Ridge 345-kV Transmission Line Dunn-
McKenzie Counties

Case No. PU-23-361

As-Built Inspection Report



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80 PU-23-361 Filed 10/23/2025 Pages: 73

As-Built Inspection Report

SEH - Short Elliot Hendrickson Inc.

Loretta A. Marshik, PE



Building a Better World
for All of Us®

Oct. 16th, 2025

RE: Case No. PU-23-361
Basin Electric Power Cooperative
Roundup-Kummer Ridge 345-kV
Transmission Line Dunn-McKenzie
Counties
As-Built Inspection Report

Mr. Victor Schock
Public Utility Analyst
North Dakota Public Service Commission
600 East Boulevard Avenue, Dept. 408
Bismarck, ND 58505-0480

Dear Mr. Schock:

Attached is the As-Built Inspection Report for the above referenced project. This report includes the following:

1. Executive Summary
2. Inspection Report
3. Appendix A – Photo Location Map
4. Appendix B - Photographs

Sincerely,

A handwritten signature in blue ink that reads "Loretta A. Marshik".

Loretta A. Marshik, PE
Short Elliott Hendrickson Inc.
905 Tacoma Ave., Suite 2
Bismarck, ND 58504



EXECUTIVE SUMMARY

Date: 10/16/2025

Project: PU-23-361 Roundup to Kummer Ridge 345kV Line
<p>On Monday, October 6th, the engineer reached out to Basin Electric to schedule the As-Built inspection for the project whose purpose was to verify:</p> <ul style="list-style-type: none">-Project Construction Completion-Removal of temporary erosion control-Installation and condition of permanent erosion control-Condition of avoidance areas-Condition of ROW, structure sites, and access roads. <p>Engineer arrived on site near structure 366-166 and met the Land Agent there, who gave engineer guidance on what spots might be difficult to reach, and which land owners to contact to access certain structures. After the meeting, Engineer traveled project footprint documenting site conditions while looking for disturbed ROW and avoidance areas, and documenting final reclamation of access routes and structure sites. Documentation included field notes, contractor notes, and photographs with descriptions.</p> <p>ISSUES REQUIRING RESOLUTION: No issues requiring resolution at this time.</p> <p>PROPOSED RESOLUTION(S): N/A.</p> <p>Upon Inspection, the site appears to follow the means and methods for reclamation discussed with the inspector and meets the construction and Commission siting rules, laws, and applicable Orders.</p> <p>Engineer plans to return to project ROW in October 2026 to document reclamation and re-vegetation status.</p>

Inspector's Signature



Daily Construction Observation Report

Job No./file
NDPSC 178398

Date
10/10/2025

Project: Roundup to Kummer Ridge 345kV Transmission Facility

Location: Johnson's Corner

RPR Name: Dalton Bruce

Start Time: 9:46 AM

End Time: 5:24 PM

Morning Weather: Sunny

Afternoon Weather: Partly Cloudy

Temp. (F): High 77 Low 43

Rainfall (in): 0

Utility Conflicts: No

Overall Comments: Met land agent at structure 366-166 to document as built conditions for the project. Reviewed site conditions, looking for signs of erosion, left behind materials/trash, and checked to ensure avoidance areas for endangered species and cultural significance remained in disturbed.

Prime Contractor: Basin Electric

Foreman Name: Ryan King

of Crews: 1

Equipment Onsite: None

Contractor Notes: Coordinated with Basin Electric land agent earlier this week and last night to figure out time and place to meet. This morning both parties agreed to change of plans to meet on north end of project and work south.

Observations

Time: 10:02 AM

Description: Contractor comments

Comments: Land agent arrived and we discussed what areas need keys, and also discussed landowners whom I need to be in contact with when I inspect specific structures (123-133).

Time: 1:37 PM

Description: Contractor/land owner correspondence.

Comments: Ignore time stamp: at 1:15 I called landowner for structures 123-130. Left message as got no answer, called agent to let him know I was moving southward, and if I got a call back soon enough that I could go in, I'd head back, otherwise I'd skip them.

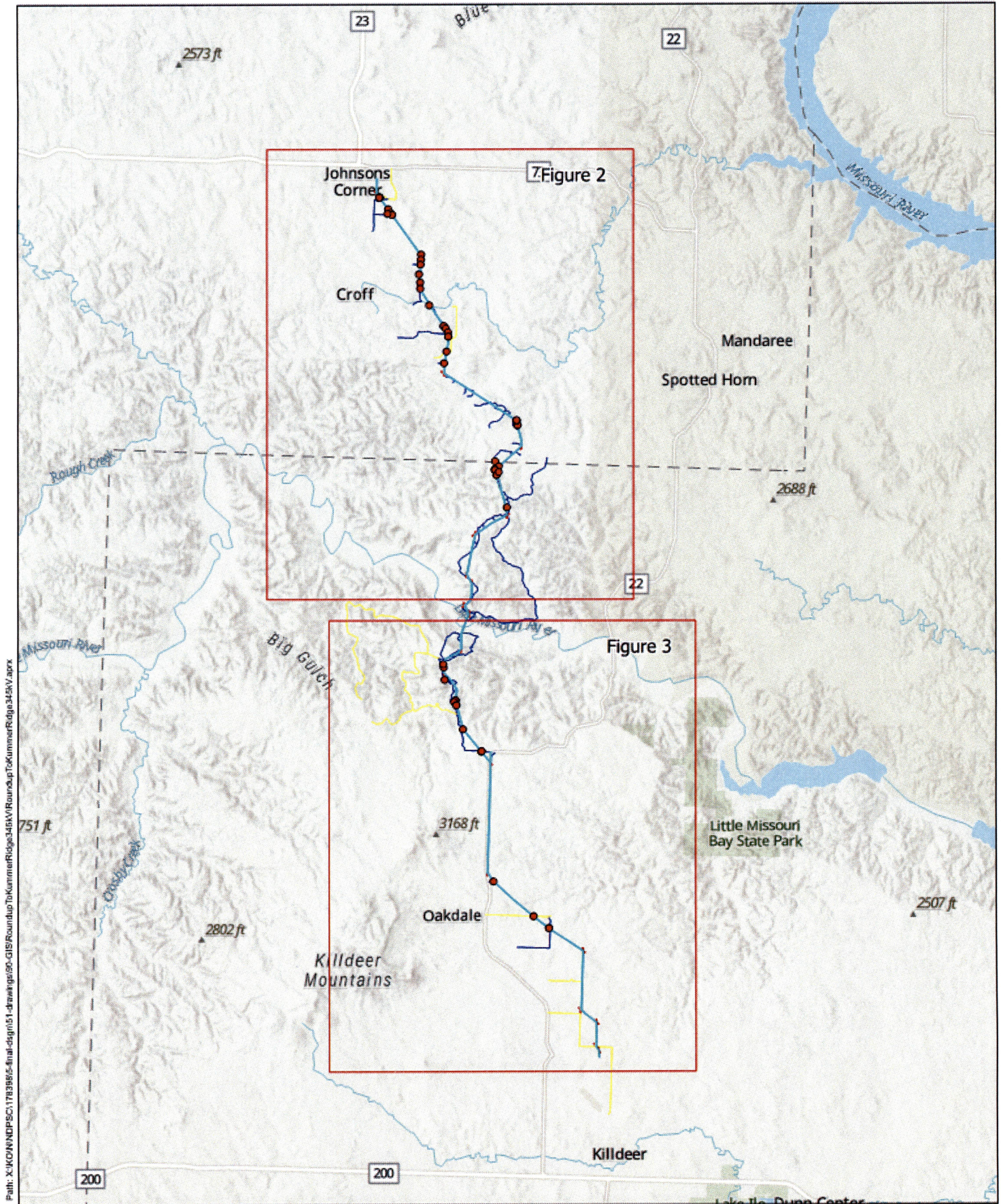
Time: 4:49 PM

Description: As built


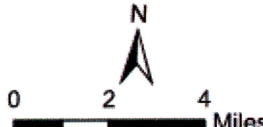
Comments: I was not able to make points or take pictures of structures 33-54 however I was able to eye verify vegetative cover on these structures as I drove past.

Appendix A

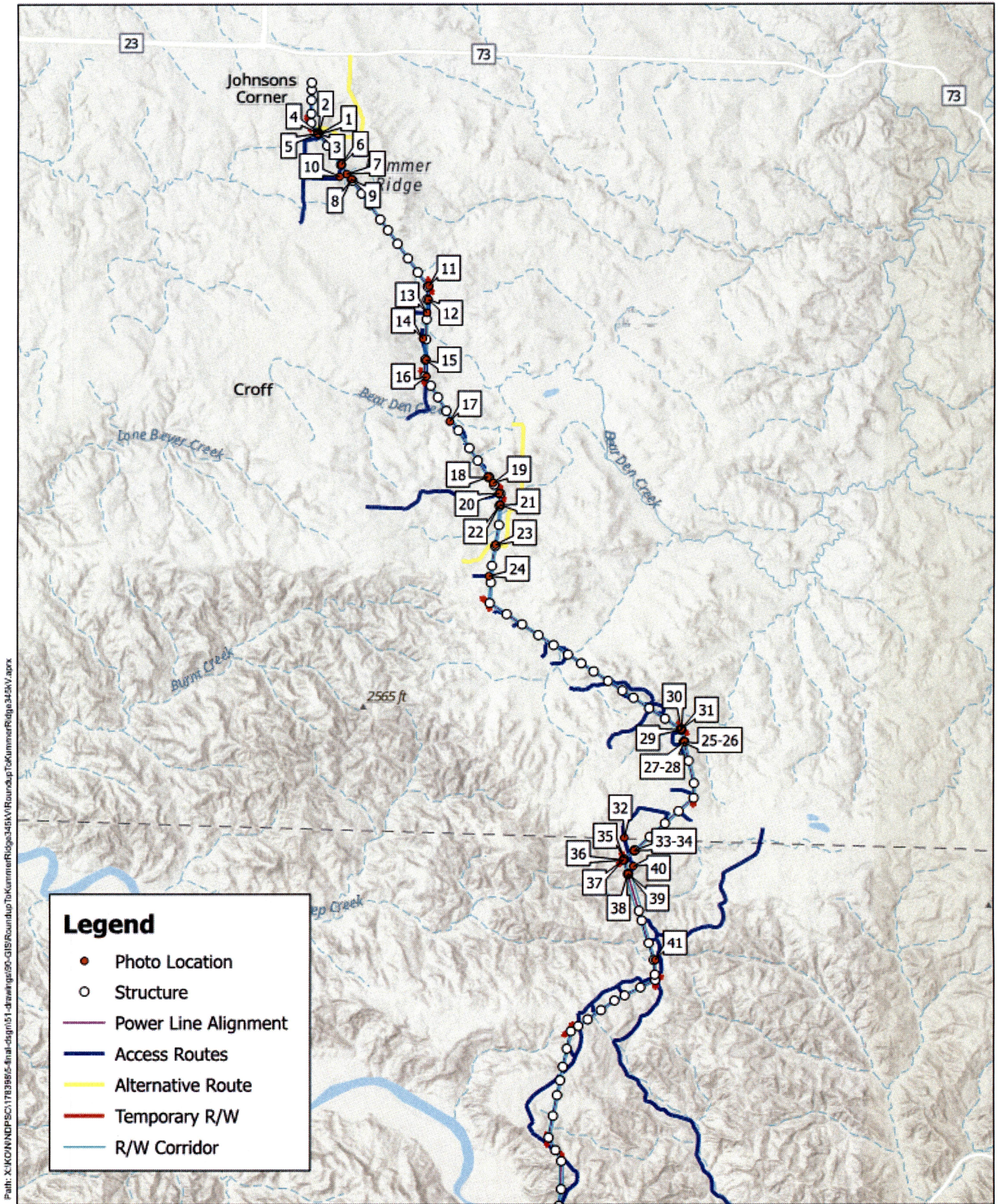
Photo Location Map



Path: X:\K\NDPSC\178398\5-final-dsgn\51-drawings\90-GIS\Roundup\ToKummerRidge\345kV\RoundupToKummerRidge345kV.aprx

		<p>Project: NDPSC 178398 Print Date: 10/14/2025</p> <p>Map by: tschwarz Projection: NAD 1983 State Plane North Dakota North Source: USGS, State of North Dakota, & SEH Inc.</p>	<p align="center">Photo Locations Roundup to Kummer Ridge 345kV Transmission Facility Overview</p>	<p align="center">Figure 1</p>
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This map is neither a legally recorded map nor a survey map and is not intended to be used as one. This map is a compilation of records, information, and data gathered from various sources listed on this map and is to be used for reference purposes only. SEH does not warrant that the Geographic Information System (GIS) Data used to prepare this map are error free, and SEH does not represent that the GIS Data can be used for navigational, tracking, or any other purpose requiring exacting measurement of distance or direction or precision in the depiction of geographic features. The user of this map acknowledges that SEH shall not be liable for any damages which arise out of the user's access or use of data provided.



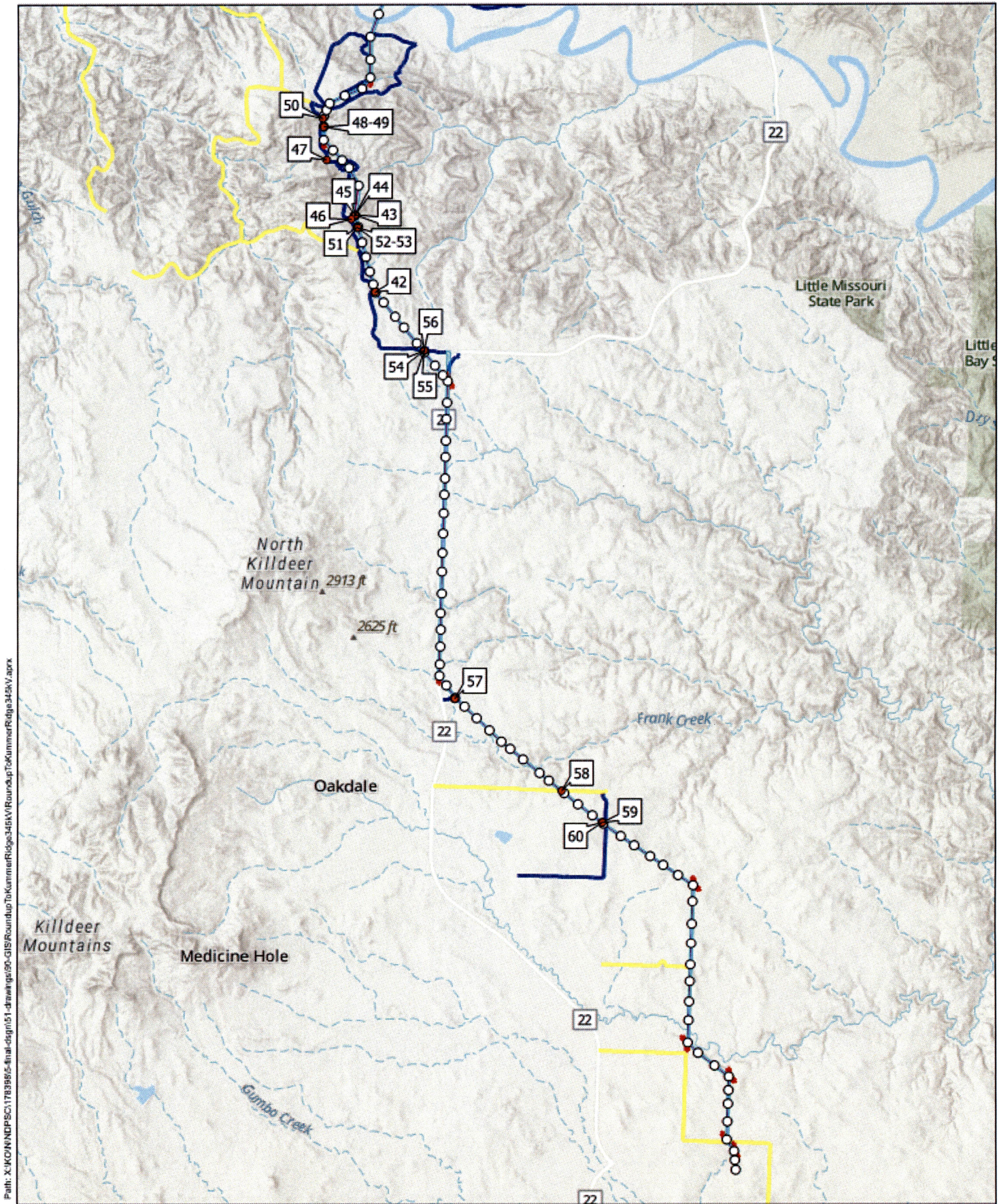
Path: X:\KNDP\NDPSC\1783985-final-dsgn\01-drawing\09-GIS\Roundup\ToKummerRidge\345kV\RoundupToKummerRidge\345kV.aprx

Legend



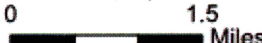
- Photo Location
- Structure
- Power Line Alignment
- Access Routes
- Alternative Route
- Temporary R/W
- R/W Corridor

	<p>N</p> <p>0 1.5 Miles</p>	<p>Project: NDPSC 178398 Print Date: 10/14/2025</p> <p>Map by: Ischwarz Projection: NAD 1983 State Plane North Dakota North Source: USGS, State of North Dakota & SEH Inc.</p>	<p>Photo Locations Roundup to Kummer Ridge 345kV Transmission Facility North of Little Missouri River</p>	<p>Figure 2</p>
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Path: X:\KON\NDPSC\1783985-final-dsgn\01-drawings\00-GIS\RoundupToKummerRidge345kV\RoundupToKummerRidge345kV.aprx

	 	<p>Project: NDPSC 178398 Print Date: 10/14/2025</p> <p>Map by: Ischwarz Projection: NAD 1983 State Plane North Dakota North Source: USGS, State of North Dakota & SEH Inc.</p>	<p>Photo Locations Roundup to Kummer Ridge 345kV Transmission Facility South of Little Missouri River</p>	<p>Figure 3</p>
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Appendix B

Photos



INSPECTOR'S DIARY

Date: 10/16/2025

Project: Roundup to Kummer Ridge 345kV Line Contractor or Sub: Basin Electric Power Cooperative

Photo Description:

- | Photo Name: | Description: |
|-------------|---|
| P1 | - Site Conditions: 166 |
| P2 | - Site Conditions: 166 Bare Spot |
| P3 | - Site Conditions: 166 Bare Spot |
| P4 | - Site Conditions: 166 Downslope |
| P5 | - Site Conditions: 166 Downslope |
| P6 | - Site Conditions: 163 Mowing |
| P7 | - Access Route Conditions: 162-163 Low spot |
| P8 | - Site Conditions: 162 bare spot |
| P9 | - Site Conditions: 162 Downslope |
| P10 | - Site Conditions: 162 Zoomed Out |
| P11 | - Site Conditions: 154 Seeding Evidence |
| P12 | - Site Conditions: 153 Seeding Evidence |
| P13 | - Site Conditions: 152 Zoomed Out |
| P14 | - Site Conditions: 151 Mulch |
| P15 | - Site Conditions: 150 Mulch |
| P16 | - Site Conditions: 149 Mulch, Bare Spot |
| P17 | - Access Route Conditions: 145 Mulch |
| P18 | - Site Conditions: 142 Mulch |
| P19 | - Site Conditions: 141 Mulch |
| P20 | - Site Conditions: 140 Mulch |
| P21 | - Site Conditions: 139 Mulch |
| P22 | - Site Conditions: 140 Zoomed Out |
| P23 | - Site Conditions: 137 Mulch Downslope |
| P24 | - Site Conditions: 136 Zoomed Out |
| P25 | - Site Conditions: Avoidance Area |
| P26 | - Site Conditions: 120 |
| P27 | - Site Conditions: 120 Downslope |
| P28 | - Site Conditions: 120 Downslope |

*See attached Photo Layout Map with location of each photo (P1-P28), and attached pages of photos

Inspector's Signature



INSPECTOR'S DIARY

Date: 10/16/2025

Project: Roundup to Kummer Ridge 345kV Line Contractor or Sub: Basin Electric Power Cooperative

Photo Description:

Photo Name:	Description:
P29 - Access Road Conditions:	121
P30 - Site Conditions:	121 Mulch, Bare Spots
P31 - ROW Conditions:	121 Easement Mulch
P32 - Site Conditions:	114 Zoomed Out
P33 - Site Conditions:	113
P34 - Site Conditions:	113
P35 - Site Conditions:	112
P36 - Site Conditions:	112 Downslope Erosion Control
P37 - Erosion Control for Site	112
P38 - Site Conditions:	111 Downslope Erosion Control Blanket in Place
P39 - Site Conditions:	111
P40 - Access Route Conditions:	111
P41 - Site Conditions/Erosion Control:	107
P42 - Site Conditions:	62
P43 - Site Conditions:	69 Zoomed Out
P44 - Avoidance Areas:	68
P45 - Site Conditions:	Animal Tracks at 68
P46 - Access Route Conditions:	68
P47 - Access Route Conditions:	71-72
P48 - Site Conditions:	74 Erosion Control Blanket
P49 - Site Conditions:	74
P50 - Site Conditions:	75 Vegetative Cover
P51 - Site Conditions:	67
P52 - Avoidance Areas:	67
P53 - Avoidance Areas:	67
P54 - Access Route Conditions:	58 Reclaimed
P55 - Laydown Yard Conditions:	57
P56 - Site Conditions:	56 Zoomed Out
P57 - Site Conditions:	36
P58 - Site Conditions:	27 Reclaimed
P59 - ROW Conditions:	22, 23, 24
P60 - ROW Conditions:	25, 26, 27

*See attached Photo Layout Map with location of each photo (P29-P60), and attached pages of photos

Inspector's Signature

Item Records

Location: Structure 366-166 ROW

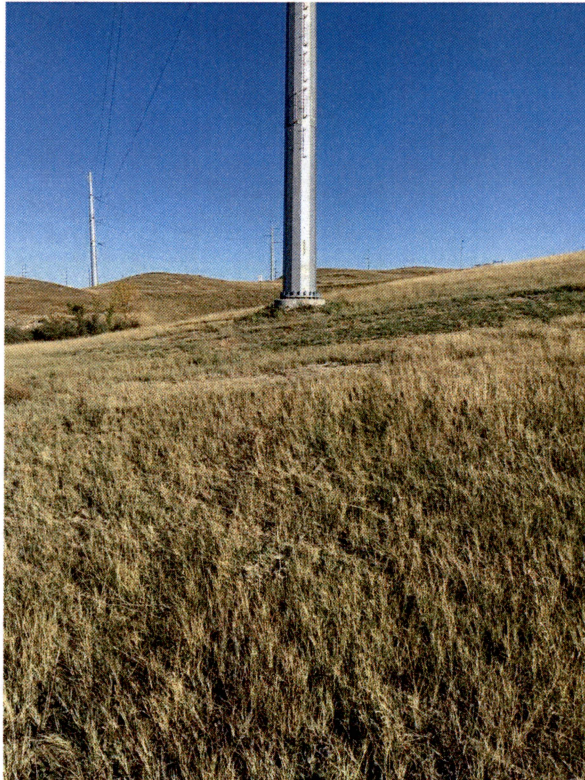
Point Number: 1

Photo Number: 1

Time: 9:50 AM

Direction Facing: N

Notes: Vegetative cover in progress. There are a few minor spots of bare ground with evidence of soil erosion. Dung in field indicated these might be rolling grounds for cattle?



Location: Structure 366-166

Point Number: 2

Photo Number: 2

Time: 9:52 AM

Direction Facing: E

Notes: Bare spot. Unsure if like this before construction.



Location: Structure 366-166

Point Number: 3

Photo Number: 3

Time: 9:54 AM

Direction Facing: W

Notes: Small bare spot. Unsure if this was condition of soil before construction due to geology and topography of area.



Location: Structure 366-166

Point Number: 4

Photo Number: 4

Time: 10:10 AM

Direction Facing: W

Notes: Partial vegetative cover. Land agent said they plan on doing spot seeding as needed.



Location: Structure 366-166

Point Number: 5

Photo Number: 5

Time: 10:12 AM

Direction Facing: SW

Notes: Downslope of ROW, no evidence of erosion. Vegetative cover evident.



Location: Structure 366-163

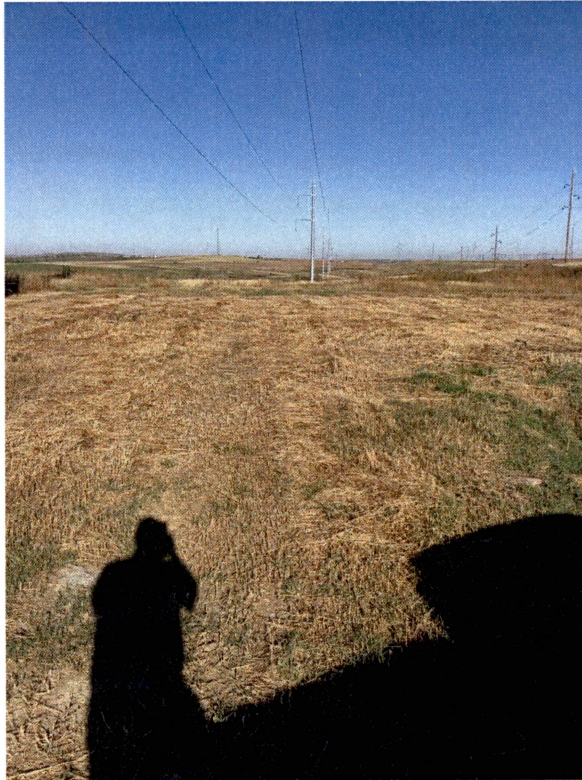
Point Number: 6

Photo Number: 6

Time: 10:27 AM

Direction Facing: NW

Notes: Vegetative cover evident, looks like landowner mowed for baling.



Location: Access road between 366-163 and 366-162

Point Number: 7

Photo Number: 7

Time: 10:33 AM

Direction Facing: N

Notes: Planking has been removed from lowland crossing.



Location: Structure 366-162

Point Number: 8

Photo Number: 8

Time: 10:36 AM

Direction Facing: S

Notes: Partial vegetative cover.



Location: Structure 366-162

Point Number: 9

Photo Number: 9

Time: 10:36 AM

Direction Facing: SW

Notes: Silt fence removed, vegetative cover evident on downslope.



Location: Access road to structure 163

Point Number: 10

Photo Number: 10

Time: 10:41 AM

Direction Facing: E

Notes: View of structures 162, 161, and 160 from afar, confirms that vegetative cover is preventing runoff erosion.



Location: Structure 154

Point Number: 11

Photo Number: 11

Time: 10:57 AM

Direction Facing: W

Notes: Hard to tell in picture, but in naked eye I can see that bare spots in this area were recently seeded and mulched.



Location: 153 access road

Point Number: 12

Photo Number: 12

Time: 11:02 AM

Direction Facing: W

Notes: Not clear in picture, but looks like this structure was recently seeded and mulched. No evidence of erosion.



Location: ROW between 153 and 152

Point Number: 13

Photo Number: 13

Time: 11:05 AM

Direction Facing: S

Notes: Unable to reach 152, however from here it looks like there's abundant vegetation present.



Location: 151 access road

Point Number: 14

Photo Number: 14

Time: 11:18 AM

Direction Facing: E

Notes: Structure 151 looks to have been straw mulched very recently. No issues.



Location: Structure 150

Point Number: 15

Photo Number: 15

Time: 11:21 AM

Direction Facing: NW

Notes: Structure recently straw mulched. No issues or evidence of erosion.



Location: 149

Point Number: 16

Photo Number: 16

Time: 11:26 AM

Direction Facing: NW

Notes: Area around structure recently mulched. No issues.



Location: Access to 145

Point Number: 17

Photo Number: 17

Time: 12:10 PM

Direction Facing: SE

Notes: Unable to access property, however, can see access road to 145 is mulched. Assuming structure has been as well.



Location: 142

Point Number: 18

Photo Number: 18

Time: 12:25 PM

Direction Facing: SE

Notes: Structure 142 mulched.



Location: 142

Point Number: 19

Photo Number:

Time: 12:26 PM

Direction Facing: NW

Notes: Downslope, no evidence of runoff erosion. No issues

Location: 141

Point Number: 20

Photo Number: 19

Time: 12:30 PM

Direction Facing: S

Notes: Structure and access road have been mulched. No signs of runoff erosion or other issues. 140-134 can also be seen in the distance.



Location: 140

Point Number: 21

Photo Number: 20

Time: 12:32 PM

Direction Facing: SE

Notes: 140 has mulching complete and no evidence of runoff erosion. No issues.



Location: 139

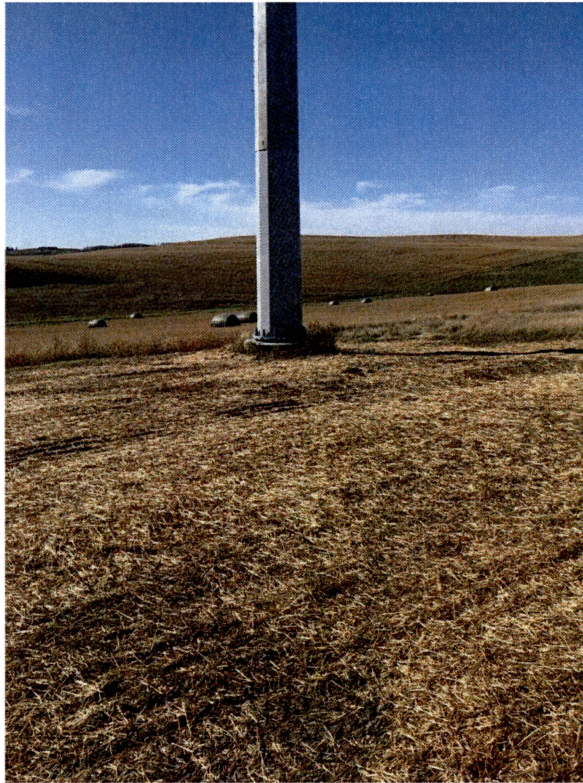
Point Number: 22

Photo Number: 21

Time: 12:35 PM

Direction Facing: W

Notes: Mulched, no sign of erosion due to runoff. No issues.



Location: 139

Point Number: 23

Photo Number: 22

Time: 12:36 PM

Direction Facing: N

Notes: Zoomed out view of mulching for structures 140 and 141 with access roads, 142 is in view as well.



Location: 137

Point Number: 24

Photo Number: 23

Time: 12:52 PM

Direction Facing: S

Notes: Site is mulched, no evidence of runoff erosion. No issues, unsure how crews accessed this spot.



Location: 136/135 access road

Point Number: 25

Photo Number: 24

Time: 12:56 PM

Direction Facing: N

Notes: 136 seems mulched from here. Unable to gain access to property.



Location: 120

Point Number: 26

Photo Number: 25-26

Time: 1:27 PM

Direction Facing: NE

Notes: No evidence of disturbed avoidance areas, evidence of discing, which indicates seeding, and lots of straw mulch.



Location: 120

Point Number: 27

Photo Number: 27-28

Time: 1:29 PM

Direction Facing: E

Notes: No evidence of runoff erosion, no issues.



Location: 121

Point Number: 28

Photo Number: 29

Time: 1:33 PM

Direction Facing: SW

Notes: Access road has been seeded and mulched.



Location: 121

Point Number:29

Photo Number: 30

Time: 1:34 PM

Direction Facing: N

Notes: Seeding and mulching evident, some bare patches, likely wind related.



Location: 121 easement

Point Number: 30

Photo Number: 31

Time: 1:35 PM

Direction Facing: N

Notes: Vegetative cover, looks like some seeding and mulching took place. No signs of runoff erosion. No issues.



Location: Access road to 112

Point Number: 31

Photo Number: 32

Time: 1:49 PM

Direction Facing: E

Notes: H structure 114. Vegetative cover visible from this far away.



Location: 113

Point Number: 32

Photo Number: 33-34

Time: 1:52 PM

Direction Facing: E

Notes: No evidence of soil erosion. Seeding and mulching complete, no issues.



Location: 112

Point Number: 33

Photo Number: 35

Time: 1:54 PM

Direction Facing: SW

Notes: Vegetative cover abundant.



Location: 112

Point Number: 34

Photo Number: 36

Time: 1:55 PM

Direction Facing: SW

Notes: Fiber rolls installed as permanent erosion control.



Location: 112

Point Number: 35

Photo Number: 37

Time: 1:57 PM

Direction Facing: SW

Notes: One section where sediment has built up. Assuming was built up before reclamation happened.



Location: 111

Point Number: 36

Photo Number: 38

Time: 2:03 PM

Direction Facing: W

Notes: Erosion control blanket in place.



Location: 111

Point Number: 37

Photo Number: 39

Time: 2:04 PM

Direction Facing: S

Notes: Seeding and mulching complete. No evidence of runoff. No issues.



Location: 111 access road

Point Number: 38

Photo Number: 40

Time: 2:08 PM

Direction Facing: N

Notes: Vegetative cover is taking hold in tire ruts.



Location: 107

Point Number: 39

Photo Number: 41

Time: 2:23 PM

Direction Facing: W

Notes: Fiber roll in place. Vegetative cover established. No issues.



Location: 62

Point Number: 40

Photo Number: 42

Time: 3:00 PM

Direction Facing: SW

Notes: Abundant vegetative cover. No issues.



Location: 68

Point Number: 41

Photo Number: 43

Time: 3:07 PM

Direction Facing: N

Notes: Looking at 69 from a distance, vegetative cover evident.



Location: 68

Point Number: 42

Photo Number: 44

Time: 3:10 PM

Direction Facing: SE

Notes: Avoidance area ropes are down, no damage evident to actual avoidance area. Wildlife?



Location: 68

Point Number: 43

Photo Number: 45

Time: 3:11 PM

Direction Facing:

Notes: Bison track, combined with presence of lots of dung begs the question if bison aren't responsible for breaking the cords for the avoidance area.



Location: 68 access road

Point Number:44

Photo Number: 46

Time: 3:14 PM

Direction Facing: S

Notes: Silt fence removed. Looks like silt buildup was addressed as per request in construction inspection. Access road has vegetative cover developing.



Location: Access road between 71 and 72

Point Number: 45

Photo Number: 47

Time: 3:20 PM

Direction Facing: N

Notes: Conditions of access road now that planking has been removed.



Location: 74

Point Number: 46

Photo Number: 48-49

Time: 3:28 PM

Direction Facing: W

Notes: Lots of erosion control blanket in use. Otherwise vegetative cover seems to be establishing itself. No issues.



Location: 75

Point Number: 47

Photo Number: 50

Time: 3:34 PM

Direction Facing: N

Notes: Vegetative cover evident, no signs of erosion other than in the badlands themselves.



Location: 67

Point Number: 48

Photo Number: 51

Time: 4:17 PM

Direction Facing: E

Notes: Vegetation in progress.



Location: 67

Point Number: 49

Photo Number: 52-53

Time: 4:19 PM

Direction Facing: S

Notes: Avoidance areas remain undisturbed, no issues.



Location: 58 access road

Point Number: 50

Photo Number: 54

Time: 4:31 PM

Direction Facing: NW

Notes: Landowner seems to have full access to land now and cultivation is evident.



Location: 57 access road/old lay down yard

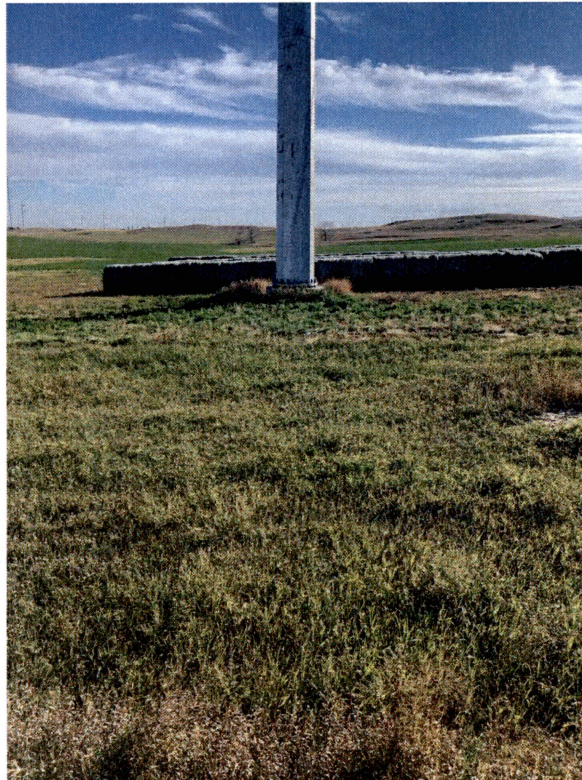
Point Number: 51

Photo Number: 55

Time: 4:32 PM

Direction Facing: S

Notes: Vegetative cover present.



Location: 57 access road

Point Number: 52

Photo Number: 56

Time: 4:32 PM

Direction Facing: SE

Notes: Structure 56 with evidence of vegetative growth.



Location: 36

Point Number: 53

Photo Number: 57

Time: 4:41 PM

Direction Facing: N

Notes: Full vegetative cover.



Location: 27 access road.

Point Number: 54

Photo Number: 58

Time: 4:48 PM

Direction Facing: SE

Notes: Abundant vegetative growth.



Location: 24

Point Number: 55

Photo Number: 59

Time: 4:55 PM

Direction Facing: SE

Notes: Structures 24, 23, 22, and 21 all have vegetative cover.



Location: 24

Point Number: 56

Photo Number: 60

Time: 4:56 PM

Direction Facing: NW

Notes: 25, 26, 27 all have evident vegetative cover.





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We're confident in our ability to balance these requirements.

