



Basin Electric Power Cooperative  
345kV Mercer-McLean-Ward-Mountrail-Williams Counties  
Case No. PU-24-361  
Construction Inspection Report I

109 PU-24-361 Filed 11/12/2025 Pages: 55  
Construction Inspection Report I

SEH - Short Elliot Hendrickson Inc.  
Loretta Marshik, PE



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October 31st, 2025

RE: Case No. PU-24-361  
Basin Electric Power Cooperative  
345kV Mercer-McLean-Ward-Mountrail-  
Williams County  
Construction Inspection Report I

Mr. Chris Hanson  
Public Utilities Analyst, Public Utilities Division  
North Dakota Public Service Commission  
600 East Boulevard Avenue, Dept. 408  
Bismarck, ND 58505-0480

Dear Mr. Hanson:

Attached is the Construction Inspection Report I for the above referenced project. This is the first of two construction reports covering work in summer and fall 2025 on foundations and structure. The second report will address structure construction in spring 2026. This report includes the following:

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

Sincerely,

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

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

Engineers | Architects | Planners | Scientists

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**EXECUTIVE SUMMARY**

Date: 06/26/2025

Project: Leland Olds to Tande Station 162 Mile 345kV Transmission Line

A site visit was conducted by Inspector to document foundation progress for construction of PU-24-361 Basin Electric Power Cooperative Leland Olds to Tande Station 162 Mile 345kV Transmission Line. Inspector was onsite to document dewatering operations, concrete pouring, rebar cage setting, foundation bolt setting, current site/avoidance area conditions, and current temporary cover crop conditions at finished foundation sites. Note was also taken of erosion control measures where needed, and site safety best practices. Finally, inspector looked at how contractor ensured concrete structures remained protected from temperature changes with upcoming winter weather.

Documentation was conducted to verify contractor was keeping work activities and storing materials within the designated project ROW and access/haul routes. Documentation also noted conditions of finished, cover cropped sites, and their corresponding access roads' conditions prior to next year's structure building activities.

Prior to site visit, inspector coordinated with Ryan King of Basin Electric Power Cooperative as well as Zach Borgen with Brink Construction to set up site inspection date, and what sites would be active that day. Zach sent coordinates of each string of foundations being worked on, as well as the location of the staging yard. Inspector met up with Jaden P on site to discuss route to take to get to each site, and Jaden provided escort services.

**ISSUES REQUIRING RESOLUTION**

No concerning issues were identified during inspection.

**PROPOSED RESOLUTION(S):**

N/A

Inspector was only able to complete 1 day of inspection due to available, document-able work. The structure erection part of the construction inspection will get its own inspection day and report in Spring 2026.

Upon Inspection, the site appears to follow the means and methods discussed with the inspector and meets the construction and Commission siting rules, laws, and applicable Orders except those listed above.

Inspector's Signature



## Daily Construction Observation Report

Job No./file  
NDPSC 185600

Date  
10/24/2025

**Project:** Leland Olds to Tande 345kV

**Location:** Ryder Laydown Yard

**RPR Name:** Dalton Jorgenson

**Start Time:** 8:02 AM

**End Time:** 4:03 PM

**Morning Weather:** Sunny

**Afternoon Weather:** Partly Cloudy

**Temp. (F):** High 61 Low 34

**Rainfall (in):** 0

**Utility Conflicts:** No

**Overall Comments:** Documented condition of erosion control, PPE in use, construction means and methods, and equipment on site.

**Prime Contractor:** Brink

**Foreman Name:** Jaden Petty

**# of Crews:** 38

**Equipment Onsite:** Skid steers, dozers, cranes, loaders, excavators, boring machines.

**Contractor Notes:** We're going to start on south end and work our way back north to starting point.

### Observations

**Time:** 2:06 PM

**Description:** Travel

**Comments:** Spent from 8:15-9:05 getting from laydown yard to structure.

**Time:** 2:28 PM

**Description:** Contractor correspondence

**Comments:** Bryan (an inspector) told me how they found water in the bore hole and have been pumping it out. I asked him where the concrete clean outs were, and he pointed one out to me. Will document shortly.

**Time:** 3:34 PM

**Description:** Travel

**Comments:** Spent from 10:00 to 10:30 getting from 098 to 172.

**Time:** 3:35 PM  
**Description:** Water  
**Comments:** Discussed with Jaden about water on structure 098. He said they were expecting water at 18.5' depth, not 4' depth, so they got trucks there as fast as possible to pump out excess water.

**Time:** 3:37 PM  
**Description:** Concrete suppliers  
**Comments:** Noting that concrete is coming from RR Ready Mix, Knife River, and Strata.

**Time:** 5:09 PM  
**Description:** Travel  
**Comments:** 30 minutes travel time between 170 and 273

**Time:** 5:19 PM  
**Description:** Means and methods  
**Comments:** Fork crane used to move anchor block (PFAS) to boring site.

**Time:** 6:41 PM  
**Description:** Travel  
**Comments:** Approximately 1 hour travel time between last structure and 372 due to original info given my contractor being wrong. Had to go around long way.

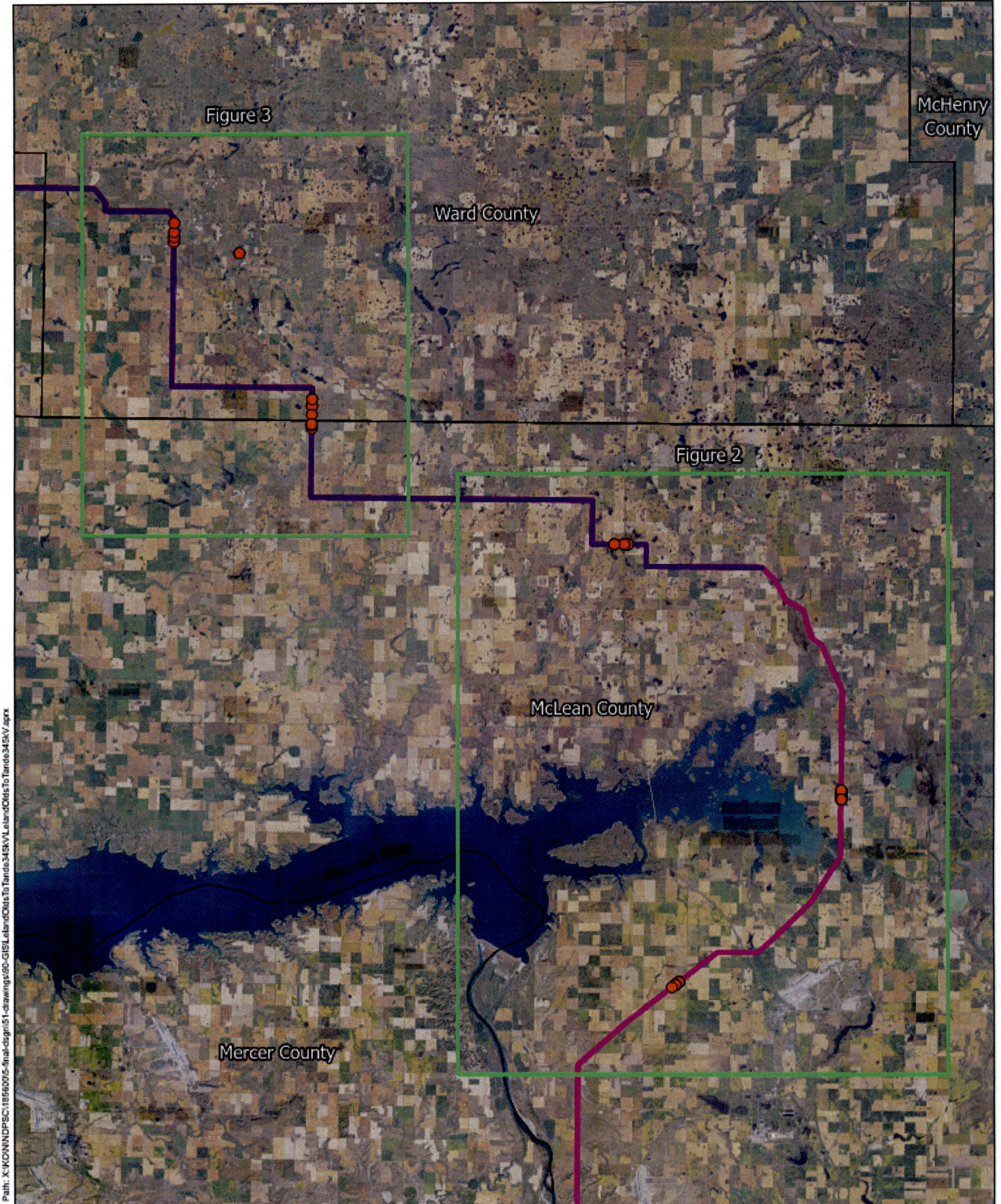
**Time:** 7:05 PM  
**Description:** Contractors  
**Comments:** Slump and Dump LLC also providing concrete.

**Time:** 7:08 PM  
**Description:** Delay  
**Comments:** Waiting for concrete trucks to move forward so we can proceed forward.


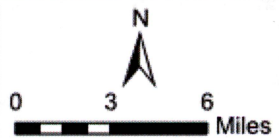
**Time:** 8:02 PM  
**Description:** Site safety  
**Comments:** Jaden is talking to drivers about proper PPE while in the yard.

# Appendix A

Photo Location Map

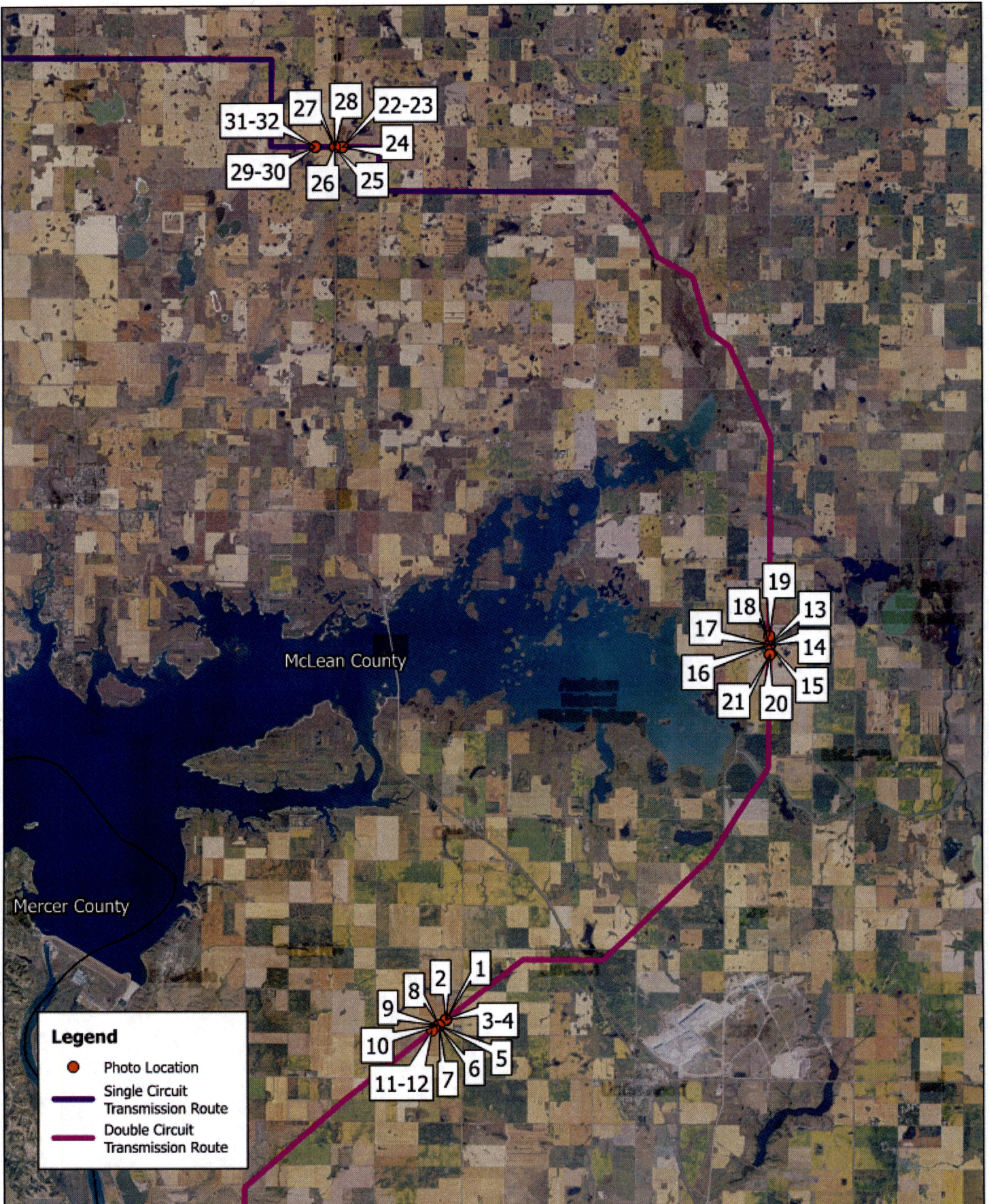


Path: X:\KOWN\NDPSC\1856005-final-dgn\151-drawings\1856005-GIS\LelandOldsToTande345kV\LelandOldsToTande345kV.aprx

		Project: NDPSC 185600 Print Date: 10/29/2025	<b>Construction Observations          Inspection Photo Location Map</b> Leland Olds to Tande 345kV Line	Figure <b>1</b>
		Map by: tschwarz Projection: NAD 1983 State Plane North Dakota North Source: NDGIS Hub, ESRI, SEH, Inc		


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.

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**Legend**


- Photo Location
- Single Circuit Transmission Route
- Double Circuit Transmission Route



N



0 3 Miles



Project: NDPSC 185600  
 Print Date: 10/29/2025

Map by: tschwarz  
 Projection: NAD 1983 State Plane  
 North Dakota North  
 Source: NDGIS Hub, ESRI,  
 SEH, Inc

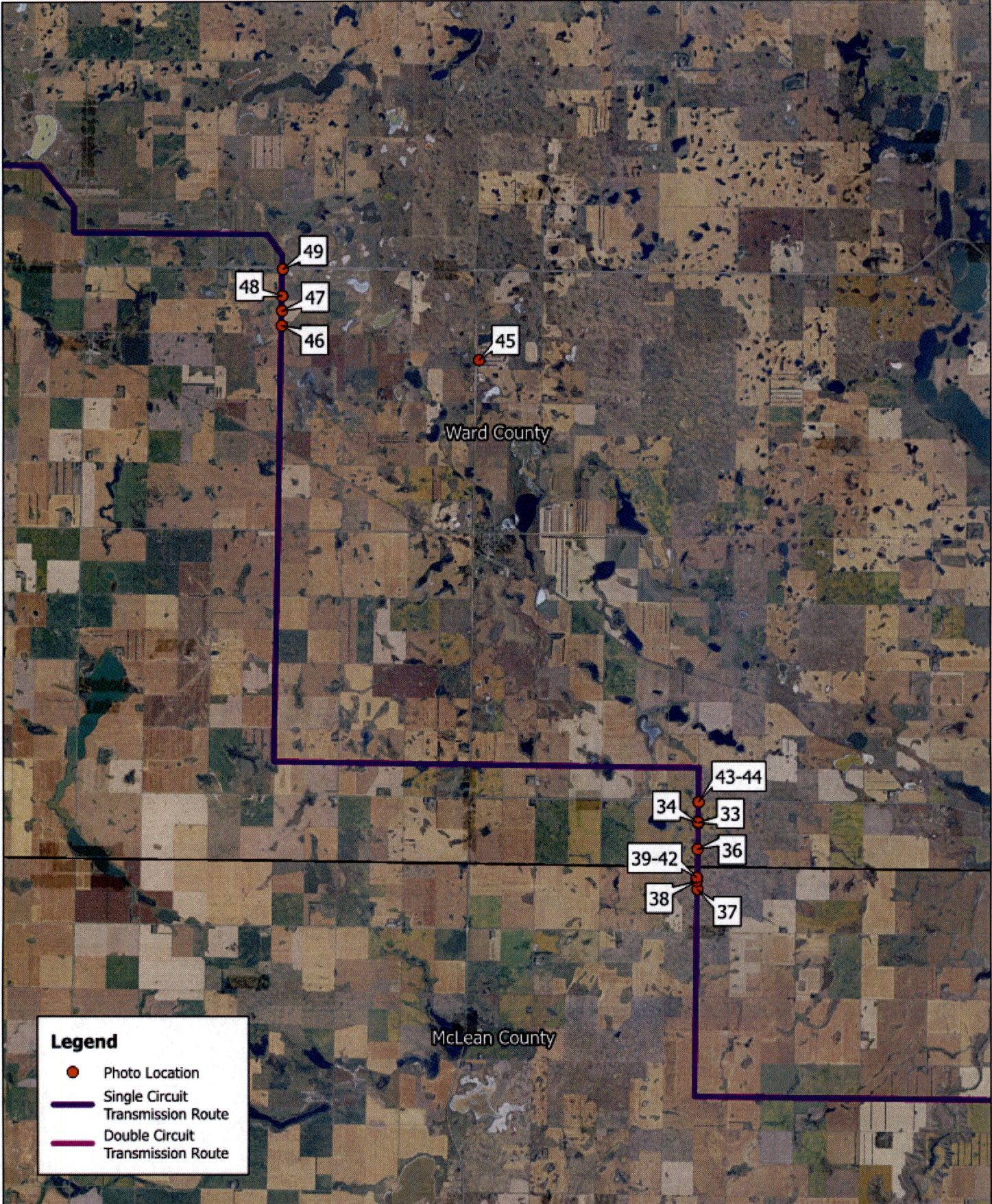
**Construction Observations  
 Inspection Photo Location Map**

**Leland Olds to Tande 345kV Line**

Figure  
2

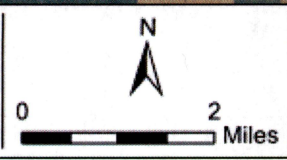
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**Legend**

- Photo Location
- Single Circuit Transmission Route
- Double Circuit Transmission Route



Project: NDPSC 185600  
 Print Date: 10/29/2025  
 Map by: tschwarz  
 Projection: NAD 1983 State Plane  
 North Dakota North  
 Source: NDGIS Hub, ESRI,  
 SEH, Inc

**Construction Observations  
 Inspection Photo Location Map**  
 Leland Olds to Tande 345kV Line

Figure  
 3

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.

# Appendix B

Photos



**INSPECTOR'S DIARY**

Date: 10/31/2025

Project: PU-24-361 LOS to Tande 345kV Transmission Line Contractor or Sub: Brink Constructors, Inc.

Photo Description:	
Photo Name: Picture#	Description:
P1 - Topsoil Storage Pile	
P2 - Equipment: Excavator	
P3 - ROW conditions	
P4 - Construction Materials	
P5 - Equipment: Excavator	
P6 - Equipment: Skidsteer	
P7 - Site Safety: PFAS	
P8 - Water Truck	
P9 - Site Conditions: Access Route	
P10 - Means and Methods: Concrete Test Sheet	
P11 - Concrete Washout Pit	
P12 - Concrete Washout Pit	
P13 - Equipment: Excavator	
P14 - Concrete Washout Pit	
P15 - Equipment: Skidsteer	
P16 - ROW conditions	
P17 - Site Safety: PFAS	
P18 - Concrete Washout Pit	
P19 - Topsoil Segregation	
P20 - Equipment: Skidsteer/Excavator	

\*See attached map with location of each photo, and attached pages of photo's

Inspector's Signature



**INSPECTOR'S DIARY**

Date: 10/31/2025

Project: PU-24-361 LOS to Tande 345kV Transmission Line Contractor or Sub: Brink Constructors, Inc.

Photo Name: Picture#	Description:
P21	Topsoil Storage Pile
P22	Site Conditions
P23	Site Conditions
P24	Access Road Conditions
P25	Means and Methods: Foundation Forms
P26	Equipment: Skidsteer
P27	Access Road Conditions
P28	Topsoil Segregation
P29	ROW Clearing
P30	ROW Clearing
P31	Equipment: Crane
P32	Equipment: Loader
P33	Erosion Control Measures: Fiber Roll
P34	Erosion Control Measures: Fiber Roll
P35	Finished Foundations
P36	Means and Methods: Concrete Blankets
P37	Equipment: Excavator
P38	Delay
P39	Safety: Signage
P40	Safety: Cordoned Swing Radius
P41	Site Conditions: Avoidance Area
P42	Equipment: Skidsteer
P43	Equipment: Excavator
P44	Equipment: Excavator
P45	SWPPP: Track Out Mat
P46	Finished Foundations
P47	Finished Foundations
P48	Finished Foundations
P49	Finished Foundations

\*See attached map with location of each photo, and attached pages of photos

Inspector's Signature

**Item Records**

**Location:** Structure 099

**Point Number:** 1

**Picture Number:** 1

**Time:** 9:09 AM

**Direction Facing:** N

**Notes:** Stripped topsoil



**Location:** Structure 099

**Point Number:** 2

**Picture Number:** 2

**Time:** 9:10 AM

**Direction Facing:** NE

**Notes:** CSZ Track excavator with Auger Attachment.



**Location:** 099

**Point Number:** 3

**Picture Number:** 3-4

**Time:** 9:12 AM

**Direction Facing:** W

**Notes:** Rebar cage, bolt assembly, and ROW conditions/condition of staking.



**Location:** 098

**Point Number:** 4

**Picture Number:** 5

**Time:** 9:17 AM

**Direction Facing:** NW

**Notes:** SR-30 track excavator with auger attachment



**Location:** 098

**Point Number:** 5

**Picture Number:** 6

**Time:** 9:18 AM

**Direction Facing:** W

**Notes:** Takeuchi skid steer. There are two of these at this site.



**Location:** 098

**Point Number:** 6

**Picture Number:** 7

**Time:** 9:20 AM

**Direction Facing:** W

**Notes:** Crew pouring foundation. Noted that employee overseeing the pour is wearing PFAS.



**Location:** 098

**Point Number:** 7

**Picture Number:** 8

**Time:** 9:26 AM

**Direction Facing:** W

**Notes:** Truck pumping out water from bored hole.



**Location:** 098

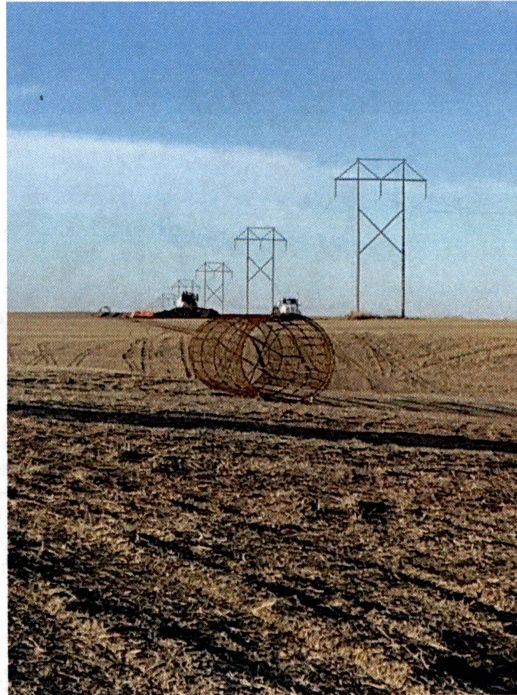
**Point Number:** 8

**Picture Number:** 9

**Time:** 9:38 AM

**Direction Facing:** S

**Notes:** Can see concrete truck washing out into pit. Will document pit when on site 097



Location: 098

Point Number: 9

Picture Number: 10

Time: 9:40 AM

Direction Facing:

Notes: Concrete record sheet and testing results.

**BRINK**  
CONSTRUCTORS, INC.  
A CORP. & SERVICE COMPANY

**WASH ELECTRIC**  
POWER COOPERATIVE  
A Division of Progress

From: BRINK  
Project: 124006  
Expense: 436

Invoice: 436-098      Item: 50 Imps.      Location: Jose Estrada  
Material: CONC      Type: 50'

Quantity: 1

Line #	DATE	START	STOP	ACTUAL	START	STOP	DEPTH	DIAMETER	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF
001	3/21/12	7:07	8:00	8:15	8:04	7:56	7	5 1/2"	67'	35'								
001	3/21	7:38	8:38	8:38	8:50	8:50	22											
001	3/21	7:45	8:13	8:50	8:50	8:50	18'											
001	3/21	8:18	8:38	8:38	8:38	8:38												

ORDER IN PART: CONC      Quantity: 1000      Paving Material: CONC      Total Cost: 1000

**Location:** 097

**Point Number:** 10

**Picture Number:** 11-12

**Time:** 9:51 AM

**Direction Facing:** NW

**Notes:** Concrete wash out pit.



**Location:** 172

**Point Number:** 11

**Picture Number:** 13

**Time:** 10:32 AM

**Direction Facing:** W

**Notes:** Foundation pour in progress, R-312/200 track excavator with soil boring and crane capability.



**Location:** 172

**Point Number:** 12

**Picture Number:** 14

**Time:** 10:39 AM

**Direction Facing:** W

**Notes:** Concrete washout area.



**Location:** 172

**Point Number:** 13

**Picture Number:** 15

**Time:** 10:42 AM

**Direction Facing:** W

**Notes:** Takeuchi skid steer



**Location:** 172

**Point Number:** 14

**Picture Number:** 16

**Time:** 10:54 AM

**Direction Facing:** N

**Notes:** ROW conditions.



**Location:** 172

**Point Number:** 15

**Picture Number:** 17

**Time:** 10:57 AM

**Direction Facing:** W

**Notes:** Concrete truck 3 just pulled up to hole. Crew is wearing PFAS and secured to a block.



**Location:** 172

**Point Number:** 16

**Picture Number:** 18

**Time:** 11:05 AM

**Direction Facing:** SE

**Notes:** Concrete washout



**Location:** 173

**Point Number:** 17

**Picture Number:** 19

**Time:** 11:11 AM

**Direction Facing:** S

**Notes:** Lots of space between topsoil and subsoil piles.



**Location:** 171

**Point Number:** 18

**Picture Number:** 20

**Time:** 11:14 AM

**Direction Facing:** W

**Notes:** SR-35 track excavator, Takeuchi skid steer.



**Location:** 170

**Point Number:** 19

**Picture Number:** 21

**Time:** 11:15 AM

**Direction Facing:** NW

**Notes:** Topsoil stripped for foundation hole.



**Location:** 272

**Point Number:** 20

**Picture Number:** 22-23

**Time:** 11:46 AM

**Direction Facing:**

**Notes:** Finished foundation and north site conditions



**Location:** 272

**Point Number:** 21

**Picture Number:** 24

**Time:** 11:47 AM

**Direction Facing:** S

**Notes:** Access road conditions



**Location:** 273

**Point Number:** 22

**Picture Number:** 25

**Time:** 11:52 AM

**Direction Facing:** N

**Notes:** Forms, rebar cage, and bolt assembly in place for concrete



**Location:** 273

**Point Number:** 23

**Picture Number:** 26

**Time:** 11:53 AM

**Direction Facing:** N

**Notes:** CAT 289D3 skidsteer



**Location:** 273 access road

**Point Number:** 24

**Picture Number:** 27

**Time:** 11:54 AM

**Direction Facing:** W

**Notes:** Access road current conditions



**Location:** 273

**Point Number:** 25

**Picture Number:** 28

**Time:** 11:57 AM

**Direction Facing:** W

**Notes:** Topsoil pile on right, subsoil on left, skidsteer width space between.



**Location:** 275

**Point Number:** 26

**Picture Number:** 29-30

**Time:** 12:17 PM

**Direction Facing:**

**Notes:** Trees on south edge of ROW cut to make room for equipment.



**Location:** 275

**Point Number:** 27

**Picture Number:** 31-32

**Time:** 12:18 PM

**Direction Facing:**

**Notes:** CAT 336 track excavator, CAT TL1255, fork crane



**Location:** 372

**Point Number:** 28

**Picture Number:**

**Time:** 1:39 PM

**Direction Facing:** SE

**Notes:** CAT D6N LGP dozer

**Location:** 372

**Point Number:** 29

**Picture Number:** 33

**Time:** 1:40 PM

**Direction Facing:** W

**Notes:** Topsoil pile, fiber roll installed



**Location:** 372

**Point Number:** 30

**Picture Number:** 34

**Time:** 1:43 PM

**Direction Facing:** S

**Notes:** Topsoil stockpile has fiber roll all way around.



**Location:** 372

**Point Number:** 31

**Picture Number:** 35

**Time:** 1:44 PM

**Direction Facing:** N

**Notes:** Finished foundation.



**Location:** 370

**Point Number:** 32

**Picture Number:** 36

**Time:** 1:50 PM

**Direction Facing:** E

**Notes:** Concrete blankets to insulate concrete during curing.



**Location:** 365

**Point Number:** 33

**Picture Number:** 37

**Time:** 2:00 PM

**Direction Facing:** W

**Notes:** HPM PM00 track excavator with bore attachments.



**Location:** ROW for 366

**Point Number:** 34

**Picture Number:** 38

**Time:** 2:09 PM

**Direction Facing:** N

**Notes:** Waiting for concrete trucks to move. Crew has rebar cage in place ready for concrete pour.



**Location:** 366

**Point Number:** 35

**Picture Number:** 39-42

**Time:** 2:12 PM

**Direction Facing:** N

**Notes:** Takeuchi skid steer, site safety warning sign, crane swing radius cordoned off, and avoidance area cordoned off, no evidence of disturbance.





**Location:** 373

**Point Number:** 36

**Picture Number:** 43-44

**Time:** 2:31 PM

**Direction Facing:** SE

**Notes:** Track crane and track dozer



**Location:** Ryder Laydown Yard

**Point Number:** 37

**Picture Number:** 45

**Time:** 2:51 PM

**Direction Facing:** S

**Notes:** SWPPP. Track out mat in place to reduce dust and dirt getting on road.



**Location:** 439

**Point Number:** 38

**Picture Number:** 46

**Time:** 3:57 PM

**Direction Facing:** W

**Notes:** Finished and seeded foundation. Structure to be erected next spring.



**Location:** 440

**Point Number:** 39

**Picture Number:** 47

**Time:** 3:58 PM

**Direction Facing:** W

**Notes:** Finished foundation



**Location:** 441

**Point Number:** 40

**Picture Number:** 48

**Time:** 4:00 PM

**Direction Facing:** W

**Notes:** Finished foundation



**Location:** 443

**Point Number:** 41

**Picture Number:** 49

**Time:** 4:02 PM

**Direction Facing:** NW

**Notes:** Finished foundation





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

