

400 North Fourth Street
Bismarck, ND 58501
701-222-7900

December 6, 2021

Executive Secretary
North Dakota Public Service Commission
600 East Boulevard Ave. Department 408
Bismarck, ND 58505-0480

Re: Case No. PU-21-151
Combined Application for a
Certificate of Corridor
Compatibility and Route Permit

SUPPLEMENT

Pursuant to N.D.C.C. § 49-22-08.1(4), Montana-Dakota Utilities Co. (“Montana-Dakota”) herewith electronically submits this Supplement its Combined Application for a Certificate of Corridor Compatibility and Route Permit (“Application”) to reflect a change in the requested Route Permit.

Montana-Dakota’s Combined Application for a Certificate of Corridor Compatibility and Route Permit submitted on July 26, 2021 (“July 26 Filing”) had a section of the Route, specifically the section of the 230 kV transmission line at structures 3 through 5, that was located within 500 feet of six residences. As set forth in N.D.C.C. § 49-22-05.1(2), the residence setback requirement may be waived in writing by the owner of the residence. Montana-Dakota was unable to receive waivers from three of the six impacted residences and now proposes to move structures 3 through 5 to be outside of the avoidance area. The change in the requested Route will remain within the Project Corridor; however, will no longer be on the centerline as described in the July 26 Filing.

This supplement to the July 26 Filing is limited to the following:

- Section 1.2.1 Project Corridor
- Section 3.2 Avoidance Areas
- Section 4.3 Setback Requirements
- Section 6.1.1 Demographic Impacts/Mitigation

- Section 6.4 Human Health and Safety
- Exhibits 1, 3, 4, and 5

Montana-Dakota requests that the attached supplement replace the same in the July 26 Filing. Three (3) physical copies have also been provided.

Please contact me at 701.222.7855 or travis.jacobson@mdu.com if you have questions.

Sincerely,

/s/ Travis R. Jacobson

Travis R. Jacobson
Director of Regulatory Affairs



MONTANA-DAKOTA

UTILITIES CO.

A Subsidiary of MDU Resources Group, Inc.

MONTANA-DAKOTA UTILITIES CO.

MANDAN REROUTE PROJECT

CASE NO. PU-21-151

Combined Application for a
Certificate of Corridor
Compatibility and Route Permit

December 6, 2021 Supplement

1.2.1 Project Corridor

The Project will be located on privately owned land in Sections 10 and 15, Township 139 North, Range 81 West. The project is located primarily on land owned by Montana-Dakota near the Heskett Station north of Mandan in Morton County. There is one additional landowner on the southern end of the project. All easements have been acquired.

SWCA Environmental Consultants (SWCA), on behalf of Montana-Dakota, conducted an assessment that included a natural resource desktop review and Class I cultural resource inventory of a 1-mile-wide study area, followed by natural and cultural resources field surveys across a generally 200-foot-wide area centered on the Company's original Project route. The Project route was modified from structures 2 through 5 to be greater than 500 feet from residences located along the route as shown in Exhibit 1, page 2 and identified precisely by the associated GIS map data (Survey Area). SWCA conducted surveys for wildlife, threatened and endangered species, critical habitats, wetlands, waterbodies, and trees/saplings/shrubs.

Class III cultural resource field surveys were conducted for the entire corridor on October 6, 2020, within the 200-foot-wide survey area for the proposed segments. The existing segment was within a previous study. The SHSND determined the report acceptable and that there had been a good faith effort to avoid impacts to significant sites.

The corridor is 200 feet wide and consists of the survey area used for the cultural resources field studies. The permanent right of way (ROW) is typically 100 feet wide, except at dead-end structures, where it will be 160 × 160 feet. No temporary ROW is needed, as all work will be conducted within the permanent ROW. It is Montana-Dakota's understanding that a ROW is not required for the portions of the project located on land owned and managed by Montana-Dakota.

3.2 Avoidance Areas

Avoidance Area Summary

Avoidance Area	Present within 1-mile-wide Study Area	Present within 200-foot-wide Survey Area	Crossed by Route	>50% of Area Corridor Width
Designated or registered national: historic districts; wildlife areas; wild, scenic, or recreational rivers; wildlife refuges; and grasslands.	No	No	No	No
Designated or registered state: wild, scenic, or recreational rivers; game refuges; game management areas; management areas; forests; forest management lands; and grasslands.	Yes, the Missouri River is located within the Study Area.	No	No	No
Historical resources which are not specifically designated as exclusion or avoidance areas.	No	No	No	No
Areas that are geologically unstable.	No	No	No	No
Within five hundred feet of a residence, school, or place of business.	Yes	Yes	No	No
Reservoirs and municipal water supplies	No	No	No	No
Water sources for organized rural water districts.	No	No	No	No
Irrigated land. This criterion shall not apply to an underground transmission facility.	No	No	No	No
Areas of recreational significance which are not designated as exclusion areas	No	No	No	No

4.3 Setback Requirements

The Project's route is not located within 500 feet of any residences.

6.1.1 Demographic Impacts/Mitigation

The Project does not include residences within 500 feet of the proposed route.

During construction of the Project, the use of local contractors, suppliers, and laborers would be utilized to the extent possible and could potentially provide temporary revenue increases.

6.4 Human Health and Safety

No impacts to human health or safety are anticipated from the operation of the transmission line, including any impacts from electromagnetic fields, hazardous waste, or security. Electromagnetic fields (EMF) generated from the transmission lines will not impact human health as the closest residences are greater than 500 feet from the project. There are no known USEPA-regulated hazardous waste facilities within the Project corridor. There are no residences within the project corridor, and security measures maintained would include fencing, signage, locks, etc.

Exhibit 1

Project Location Maps

REVISED

Mandan-Heskett

Legend

Mandan Transmission Substation

Yellow Line New - Reroute

Red Line Existing - Remove

Heskett Transmission Substation

Easement on Marathon Petroleum Property

Google Earth

© 2021 Google



1000 ft





MONTANA-DAKOTA UTILITIES
Mandan Reroute

- Proposed Pole
- Existing Pole
- Existing Transmission Line
- Proposed Transmission Line
- State Highway
- Corridor
- 1-Mile Study Area
- County Boundary

Morton County, ND

NAD 1983 UTM Zone 14N
100°53'21"W 46°52'13"N

Base Map: ESRI ArcGIS Online,
accessed December 2021

Updated: 12/2/2021
Project No. 62896

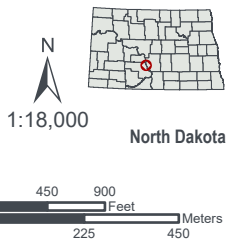


Exhibit 3

Natural Resources Survey Mapping

REVISED



MONTANA-DAKOTA UTILITIES
Mandan Reroute
Natural Resources Inventory

- Proposed Pole
- Existing Pole
- Existing Transmission Line
- Proposed Transmission Line
- State Highway
- NHD Flowline
- ▨ Delineated Wetland
- ▨ NWI Wetland
- ▨ Natural Resources Inventory Area (6/21/2021)
- ▭ 1-Mile Study Area
- ▭ County Boundary

Morton County, ND

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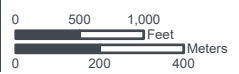
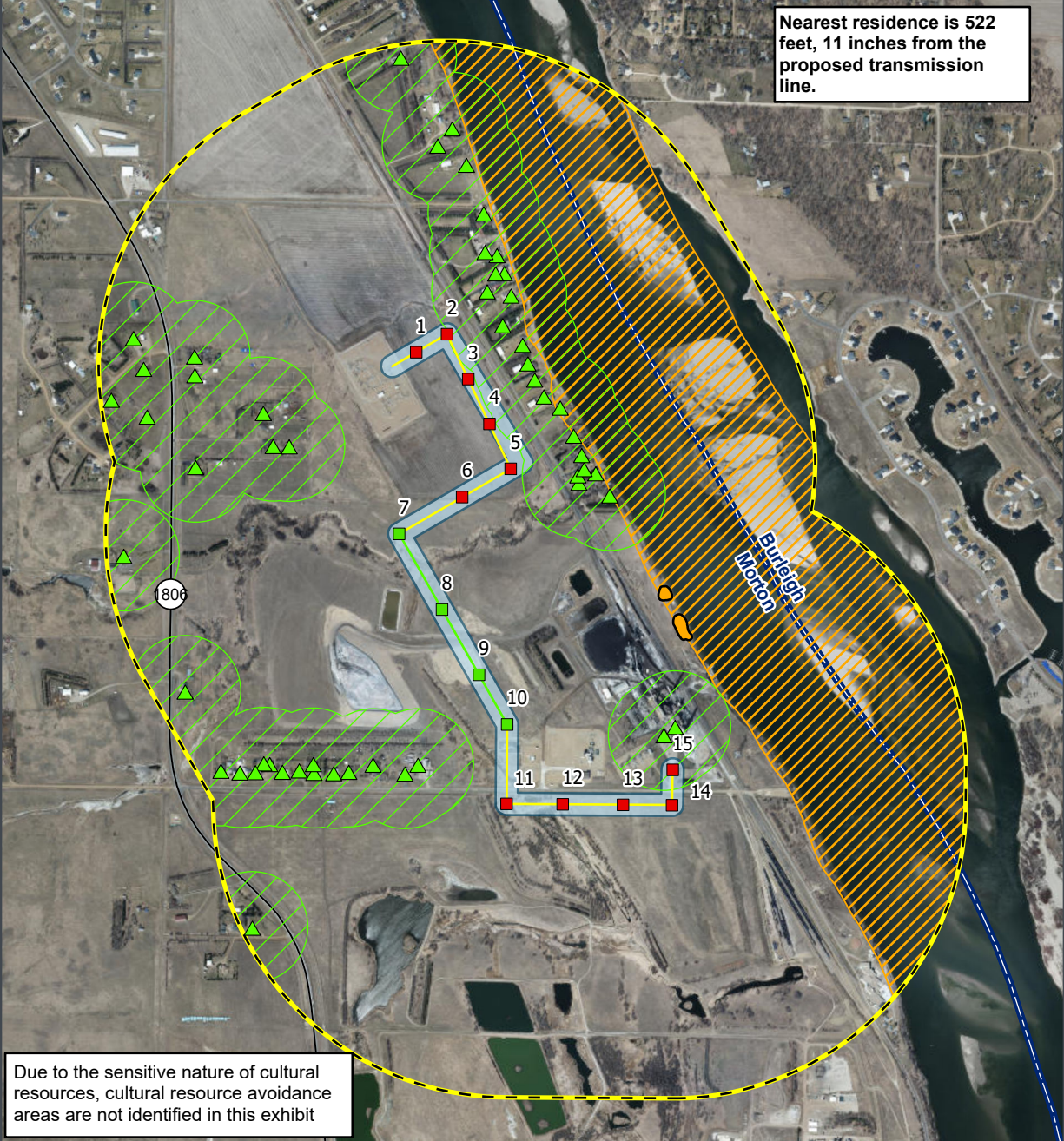


Exhibit 4

Avoidance, Exclusion, and Siting Criteria Mapping

REVISED

Nearest residence is 522 feet, 11 inches from the proposed transmission line.



Due to the sensitive nature of cultural resources, cultural resource avoidance areas are not identified in this exhibit

MONTANA-DAKOTA UTILITIES
Mandan Reroute
Avoidance/Exclusion

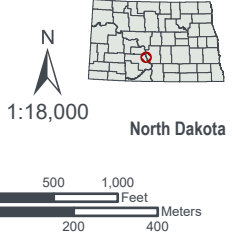
- Proposed Pole
- Existing Pole
- ▲ Occupied Residence
- Existing Transmission Line
- Proposed Transmission Line
- State Highway
- Cultural/Natural Resources Inventory Area/ 200-foot Corridor
- 1-Mile Study Area
- County Boundary
- Avoidance Area**
- Historic Landslide Avoidance (500ft)
- Structure Avoidance (500ft)
- Exclusion Area**
- Critical Habitat

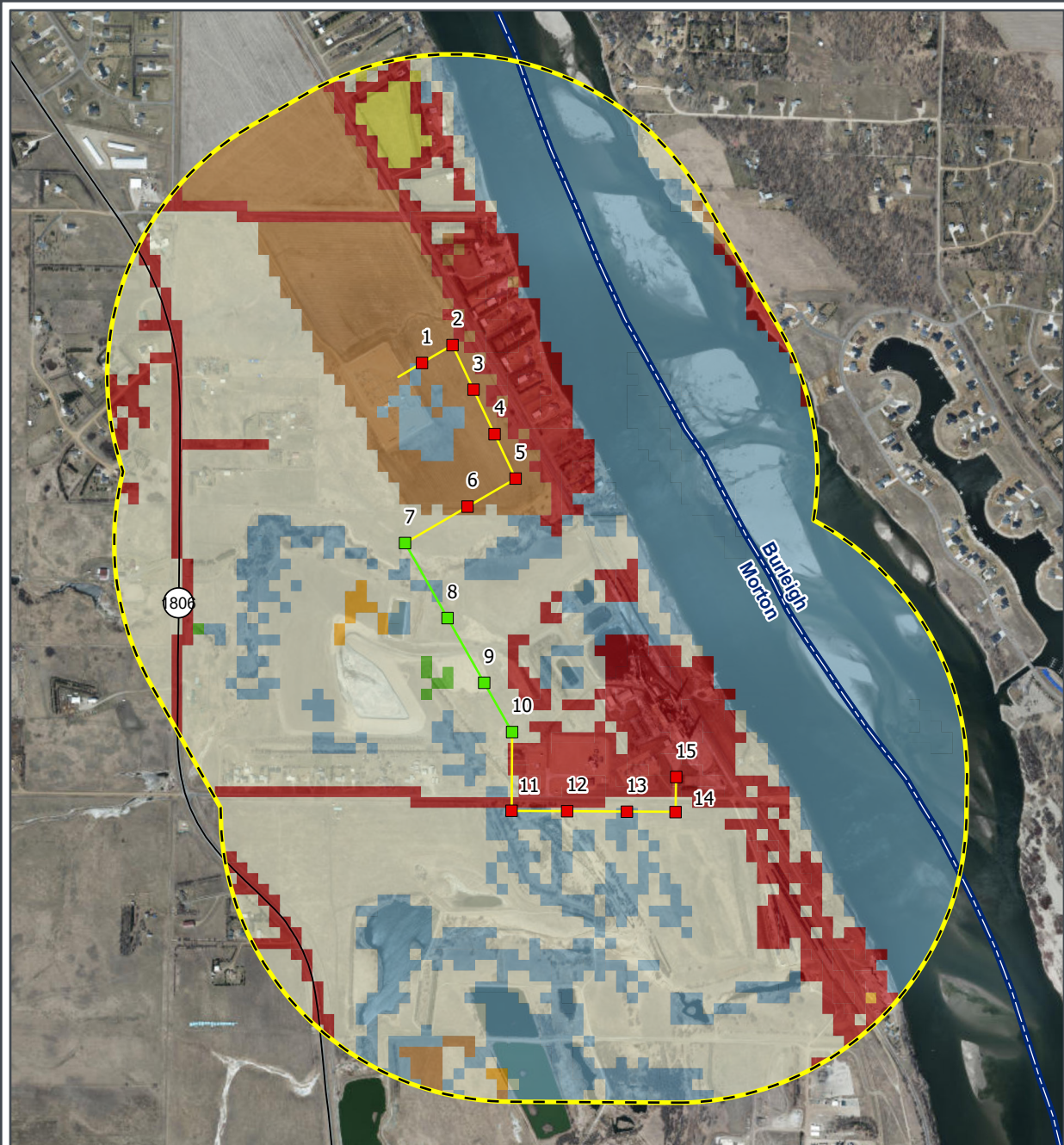
Morton County, ND

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MONTANA-DAKOTA UTILITIES
**Mandan Reroute
 Land Use**

- Proposed Pole
- Existing Pole
- Existing Transmission Line
- Proposed Transmission Line
- State Highway
- 1-Mile Study Area
- County Boundary

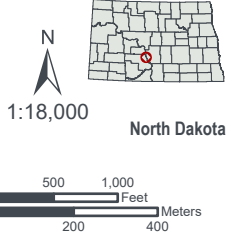
- Land Cover**
- Barren Land
 - Cultivated Crops
 - Developed
 - Wetland
 - Hay/Pasture
 - Herbaceous
 - Shrub/Scrub

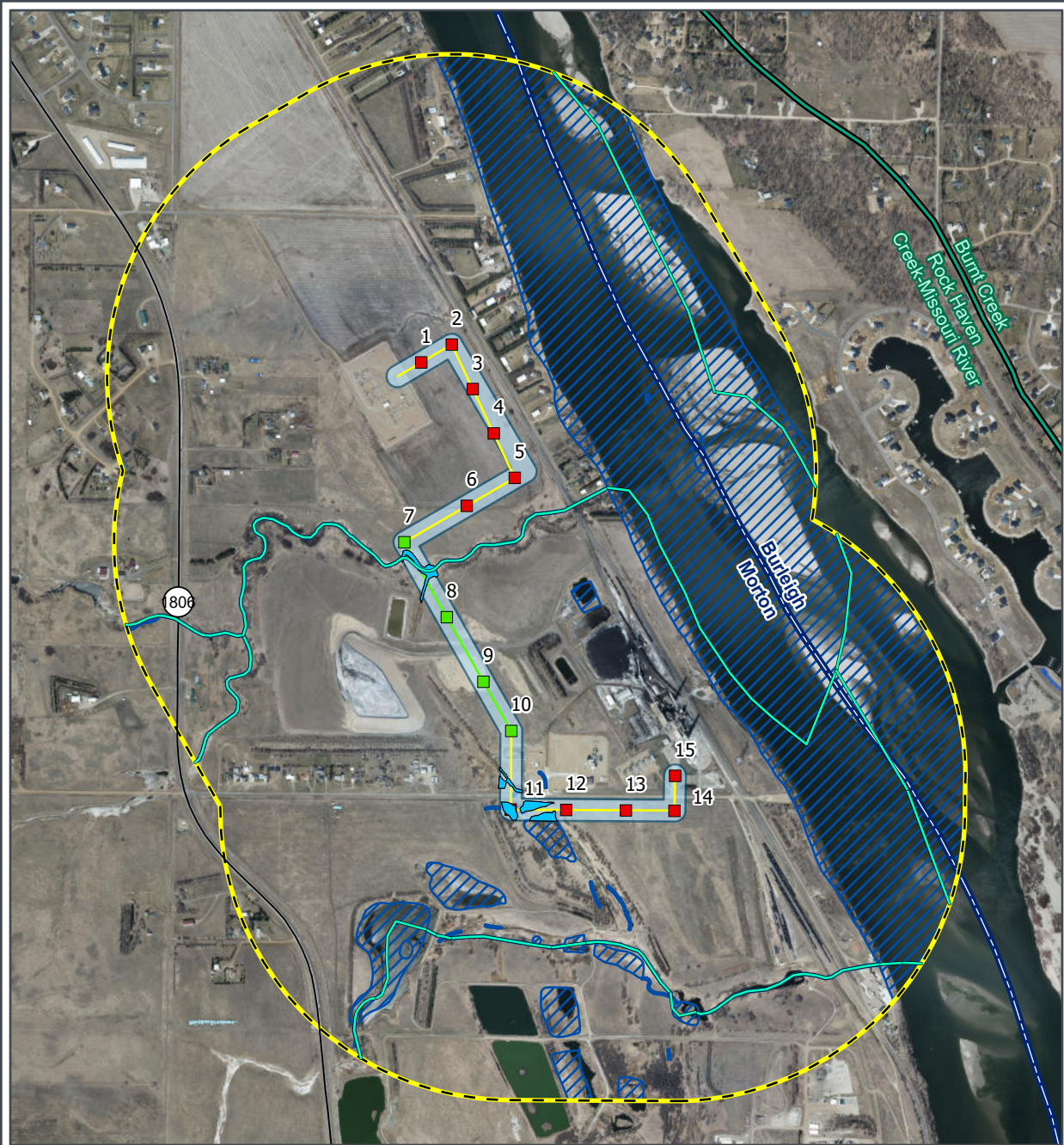
Morton County, ND

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MONTANA-DAKOTA UTILITIES
Mandan Reroute
Surface Waters and Wetlands

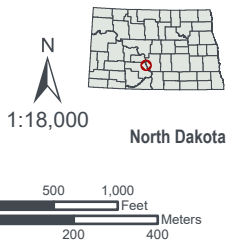
- | | |
|--|--|
| ■ Proposed Pole | NWI Wetland |
| ■ Existing Pole | Natural Resources Inventory Area (6/21/2021) |
| Existing Transmission Line | 1-Mile Study Area |
| Proposed Transmission Line | Watershed Boundary (HUC12) |
| State Highway | County Boundary |
| NHD Flowline | |
| Delineated Wetland | |

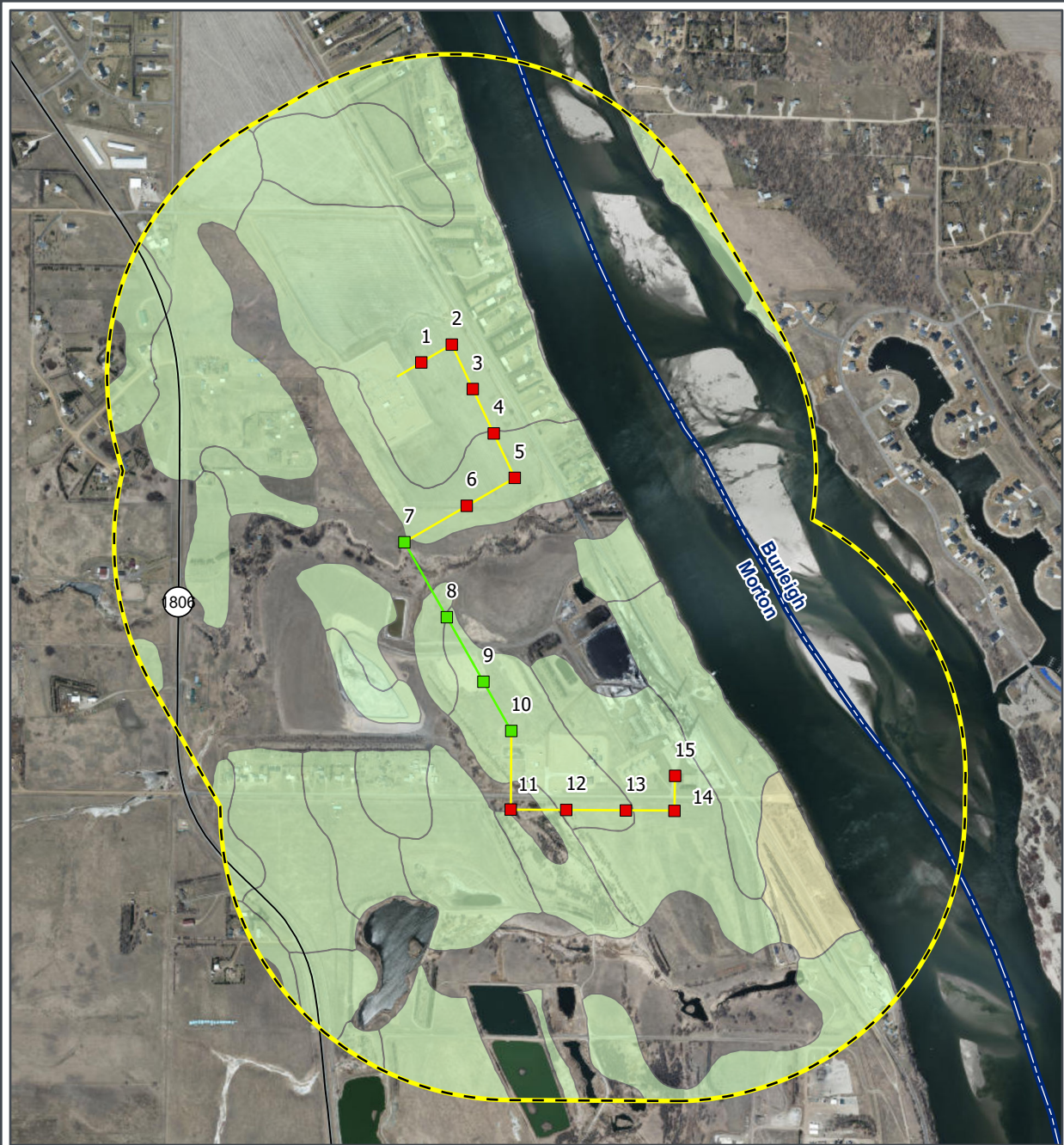
Morton County, ND

NAD 1983 UTM Zone 14N
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Base Map: ESRI ArcGIS Online,
 accessed December 2021

Updated: 12/2/2021
 Project No. 62896





MONTANA-DAKOTA UTILITIES
Mandan Reroute
Prime and Unique Farmland

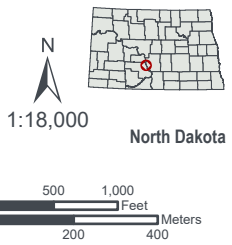
- Proposed Pole
- Existing Pole
- Existing Transmission Line
- Proposed Transmission Line
- State Highway
- 1-Mile Study Area
- All Areas are Prime Farmland
- Farmland of Statewide Importance
- County Boundary

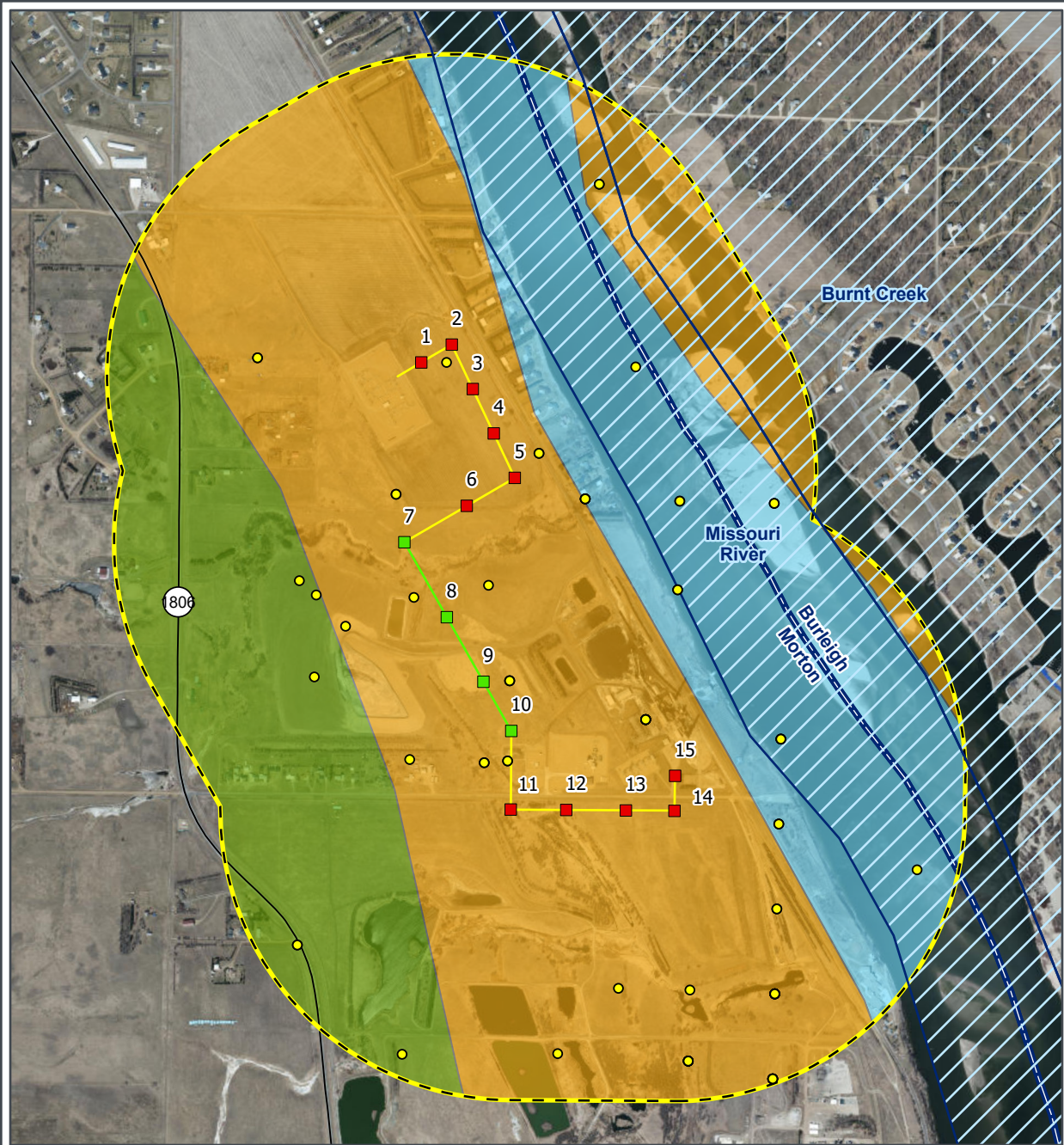
Morton County, ND

NAD 1983 UTM Zone 14N
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 accessed December 2021

Updated: 12/2/2021
 Project No. 62896





MONTANA-DAKOTA UTILITIES
Mandan Reroute
Geologic and
Groundwater Resources

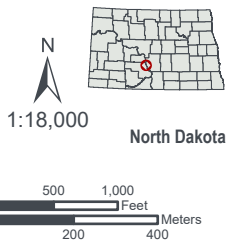
- Water Well
- Proposed Pole
- Existing Pole
- Existing Transmission Line
- Proposed Transmission Line
- State Highway
- 1-Mile Study Area
- County Boundary
- Surficial Aquifer
- Surficial Geology**
- Water
- Cannonball
- Coleharbor

Morton County, ND

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 accessed December 2021

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MONTANA-DAKOTA UTILITIES
Mandan Reroute
Infrastructure

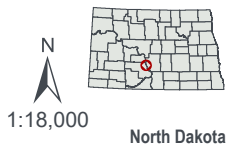
- Proposed Pole
- Existing Pole
- ▲ Structure
- Power Plant
- Existing Transmission Line
- Proposed Transmission Line
- State Highway
- 1-Mile Study Area
- County Boundary

Morton County, ND

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 100°53'21"W 46°52'13"N

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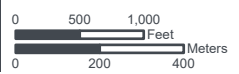
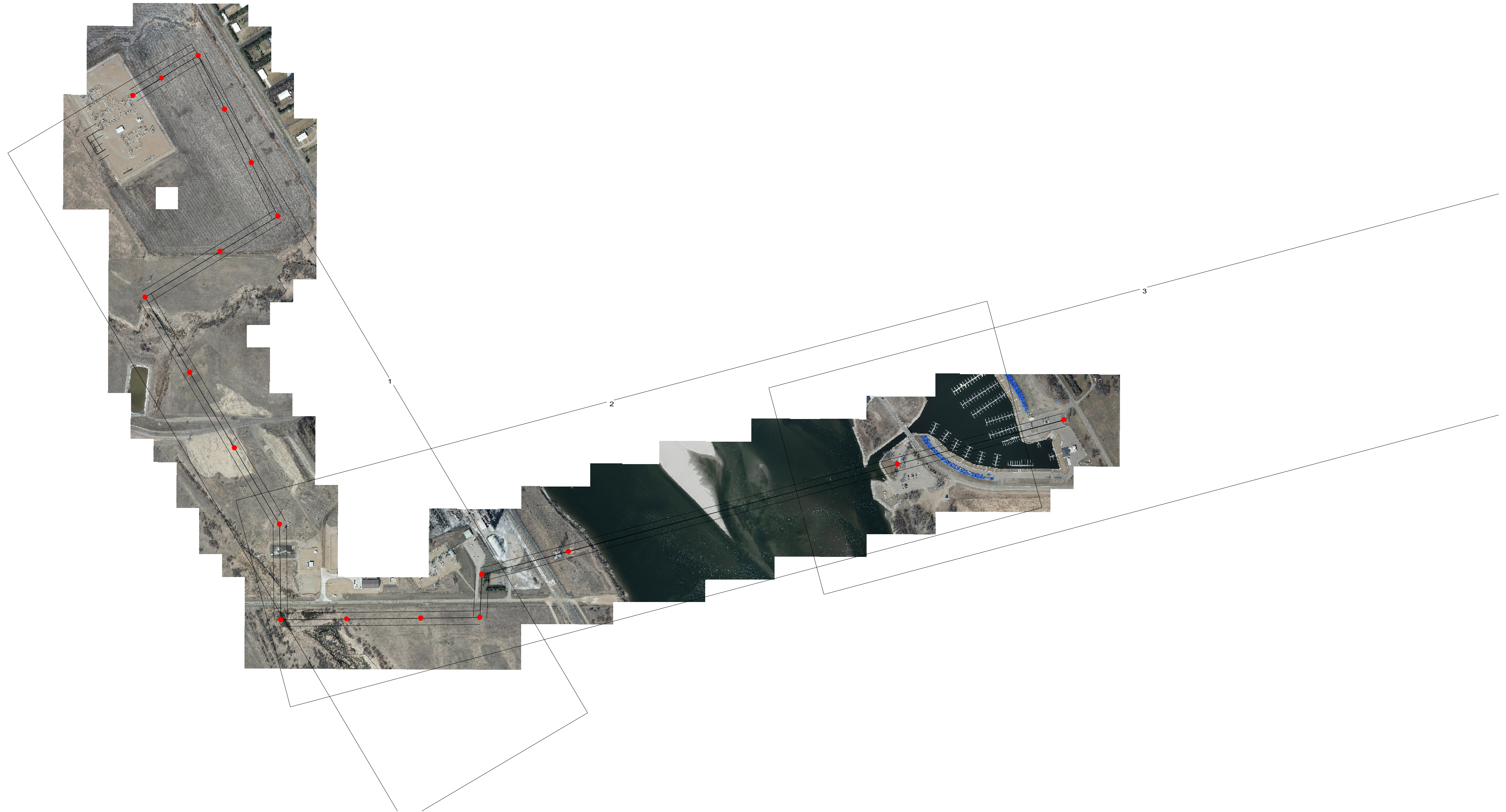


Exhibit 5

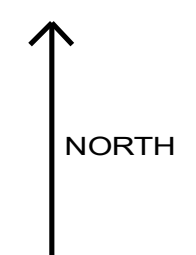
Engineering
Layouts

REVISED

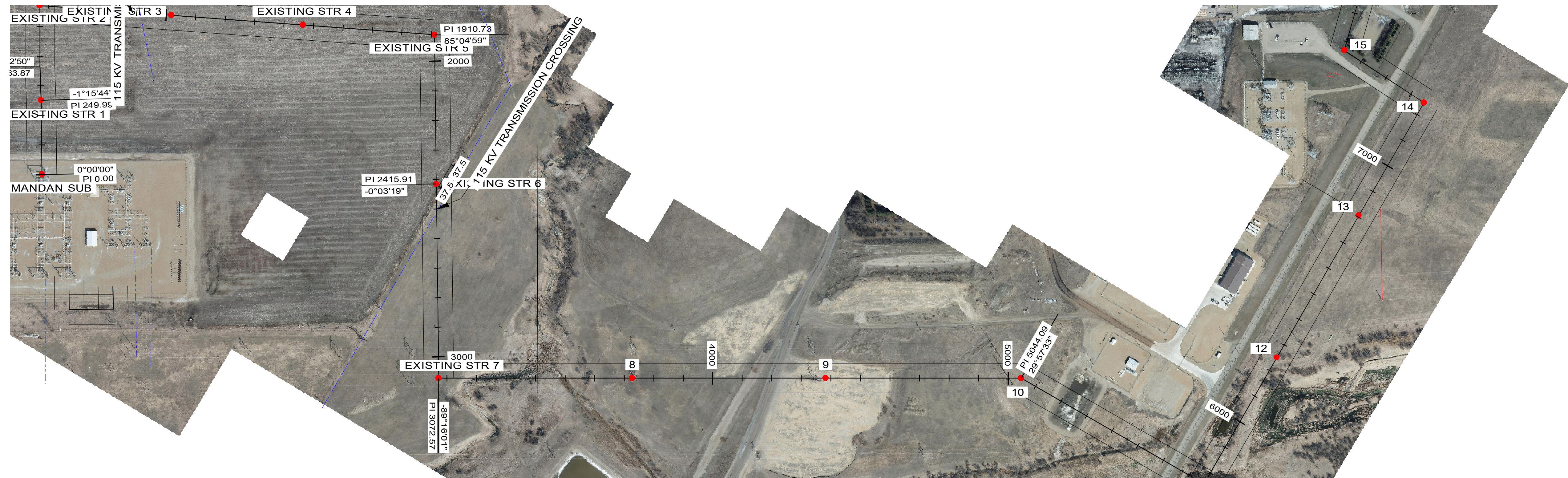
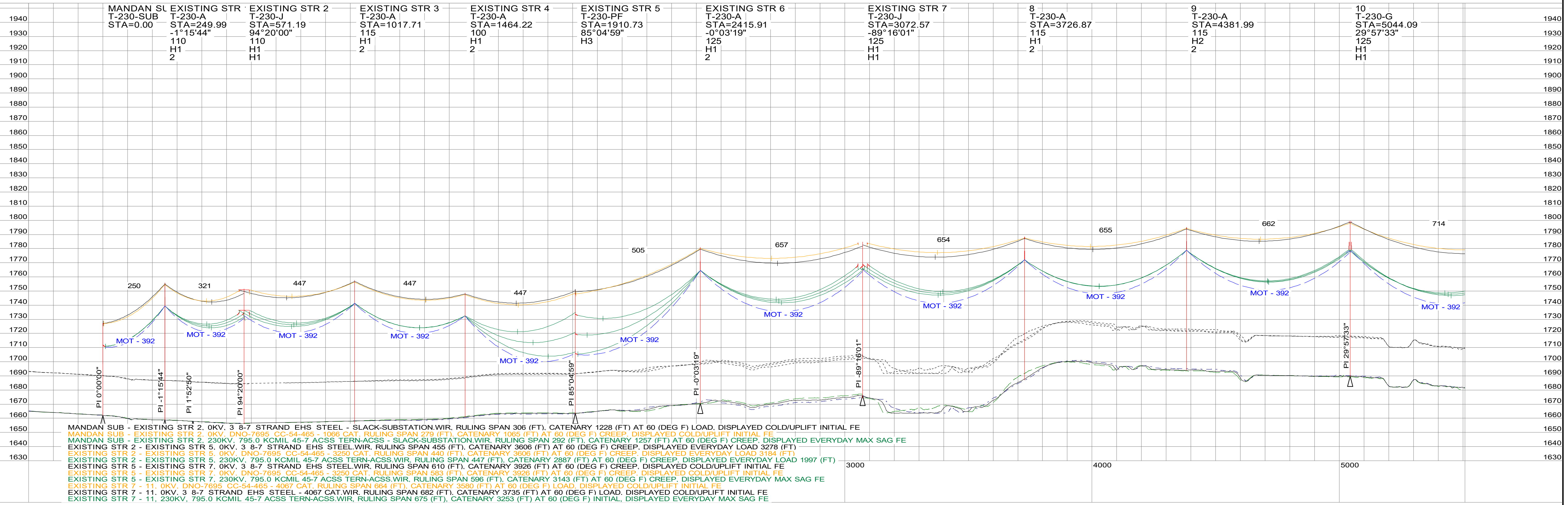


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**MANDAN SUBSTATION REROUTE
230 KV TRANSMISSION LINE**

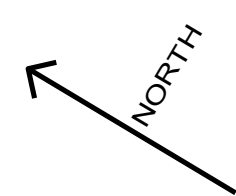
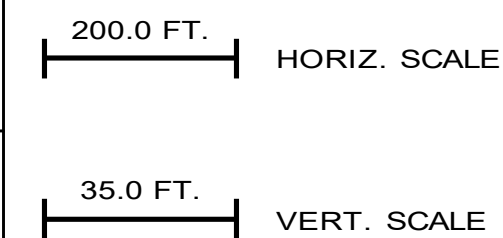


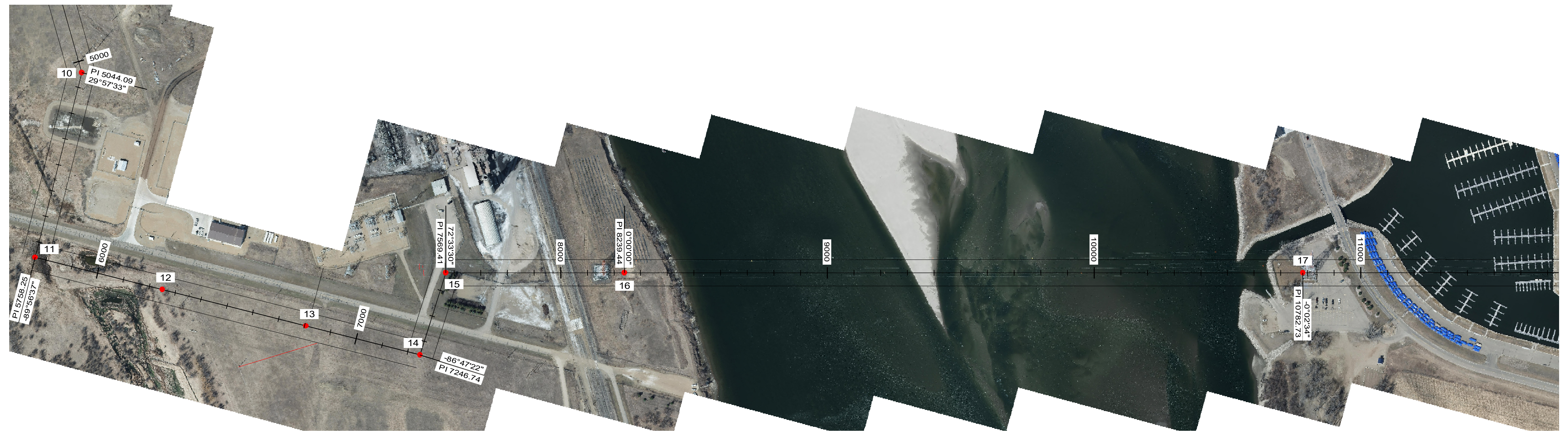
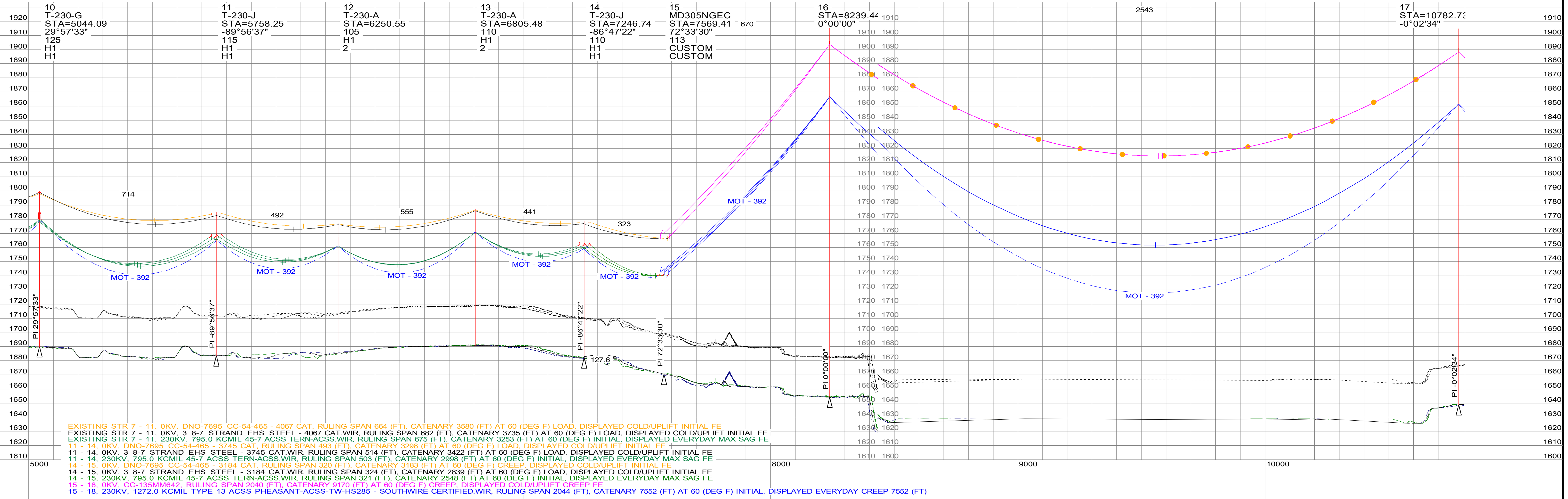
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REVISION: 3
164319



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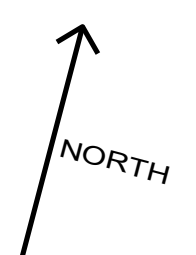
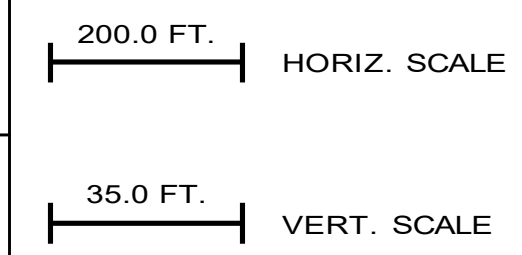
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DESIGN BY: JDB	06/17/20	
CHECKED BY: TAH	06/17/20	
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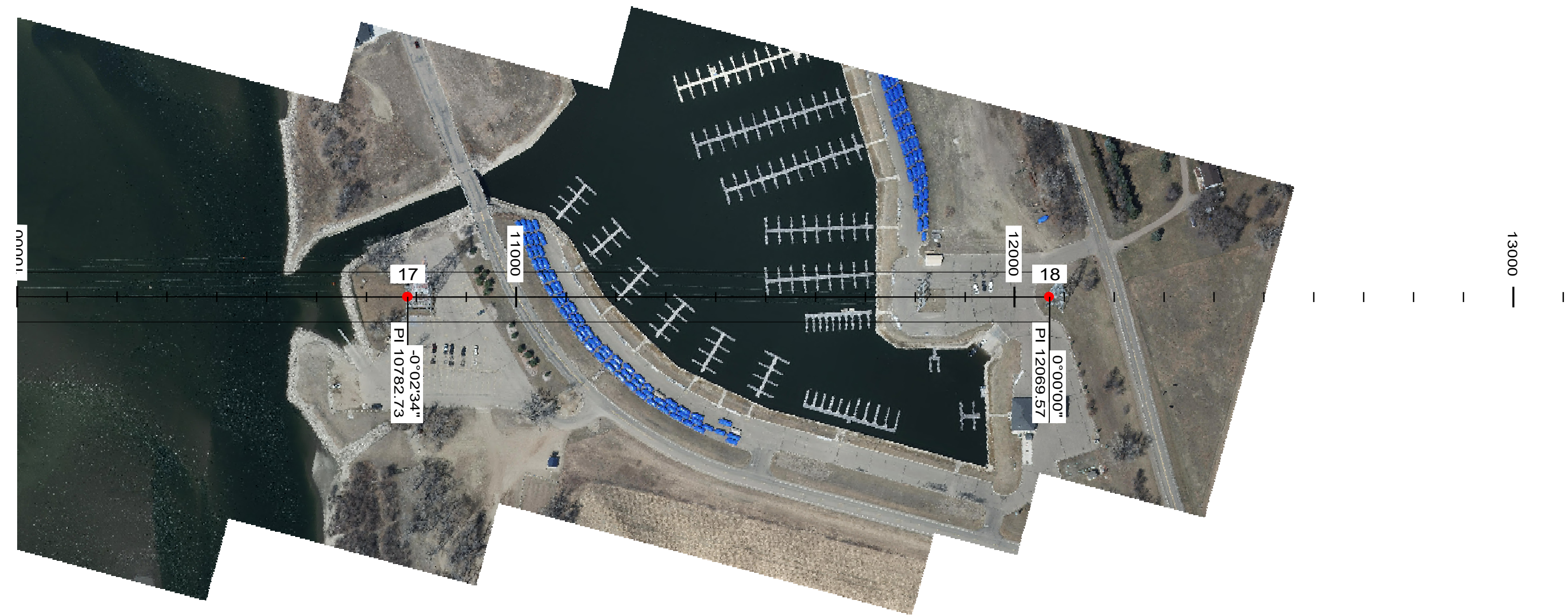


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1	ISSUED FOR BID - PHASE II	BB	BB	JDB	02/26/21	06/17/20	
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MANDAN SUBSTATION REROUTE
230 KV TRANSMISSION LINE

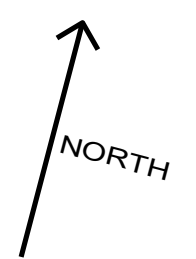
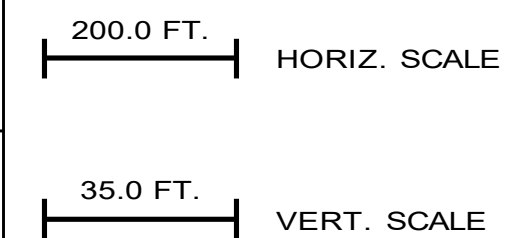


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REV	DESCRIPTION	DWN	DGN	CHK	DATE			

MANDAN SUBSTATION REROUTE
230 KV TRANSMISSION LINE



DWG. NO.
REVISION: 3
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