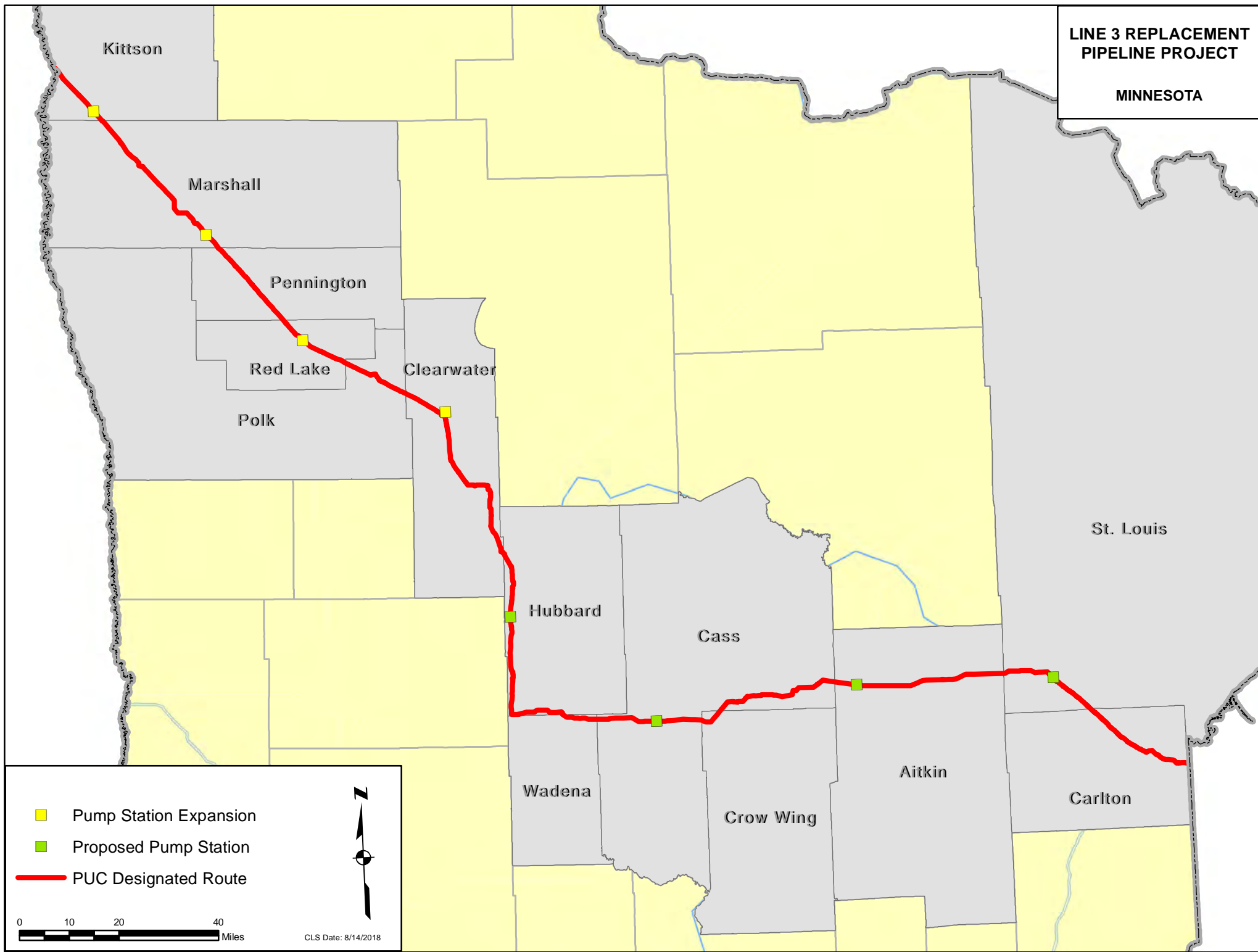





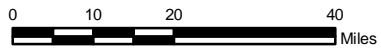
ATTACHMENT 3
Route Permit Maps

**LINE 3 REPLACEMENT
PIPELINE PROJECT**

MINNESOTA



-  Pump Station Expansion
-  Proposed Pump Station
-  PUC Designated Route



CLS Date: 8/14/2018

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Line 3 Replacement Pipeline Project**

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Legend Definitions

PUC Designated Route: The location of the Project pipeline as described in Section 3 of the Route Permit issued by the Commission. The route width is generally a maximum of 750 feet unless otherwise indicated on the route maps.

ROW: The permanent right-of-way as described in Section 3.1 of the Route Permit. The permanent right-of-way is typically 25 feet on both sides of the pipeline, measured from its centerline.

Line 3R Pipeline: The proposed centerline of pipeline within the PUC Designated Route.

Valve Location: The location of remotely-controlled valves for the Project as described in Section 2.1.3 of the Route Permit.

Enbridge Pump Station: the location of the new and existing pump stations for the Project as described in Section 2.1.2 of the Route Permit.

Mile Post: Markers to determine approximate distance, in one-mile increments, along the MPUC Designated Route.

Temporary Workspace: Land located adjacent to and contiguous with the ROW used for the construction of the pipeline as described in Section 3.2 of the Route Permit.

Additional Temporary Workspace: Temporary construction workspace needed when encountering features that require special construction methods as described in Section 3.3 of the Route Permit.

Existing Enbridge Pipelines: The location of existing Enbridge pipelines.

Existing Electric Transmission: The location of existing overhead high voltage transmission lines.

Existing Third Party Pipelines: The location of existing third party pipelines.

Surveyed Waterbodies: Waterbodies identified and delineated during Enbridge field surveys.

ESA: Environmentally Sensitive Area: Areas that may require additional avoidance or mitigation measures.

Surveyed Wetlands: Wetlands identified and delineated during Enbridge field surveys.

NWI Wetlands: United States Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI); publicly-available data that has not been field delineated.

Tract Boundary: Tract/parcel property boundary line.

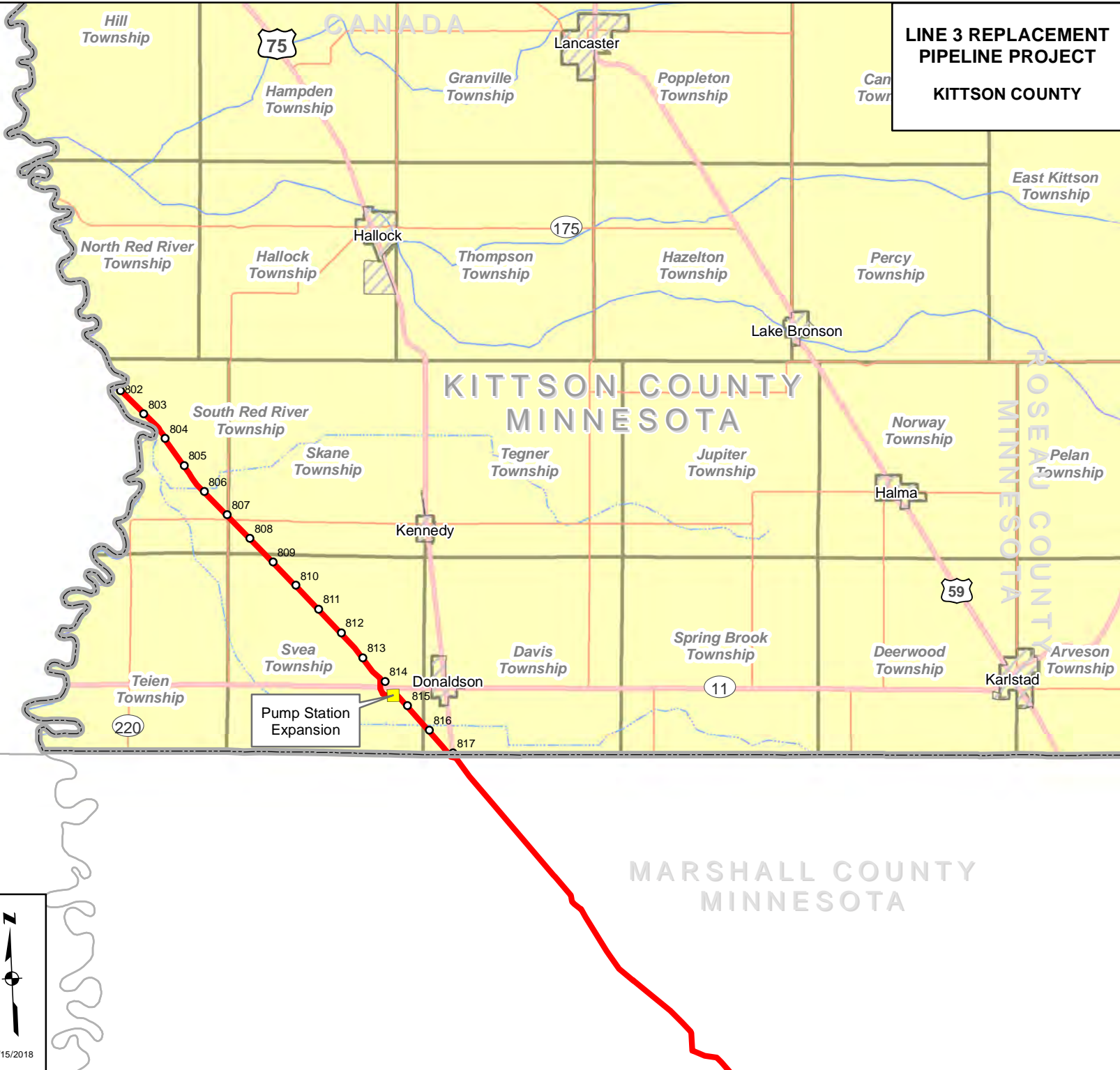
MN Section Boundary: The section line from the Public Land Survey System.

Township/City Boundary: Boundary line for a township or municipality.

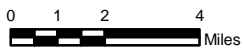
County Boundary: Boundary lines for a county.

**LINE 3 REPLACEMENT
PIPELINE PROJECT
KITTSON COUNTY**

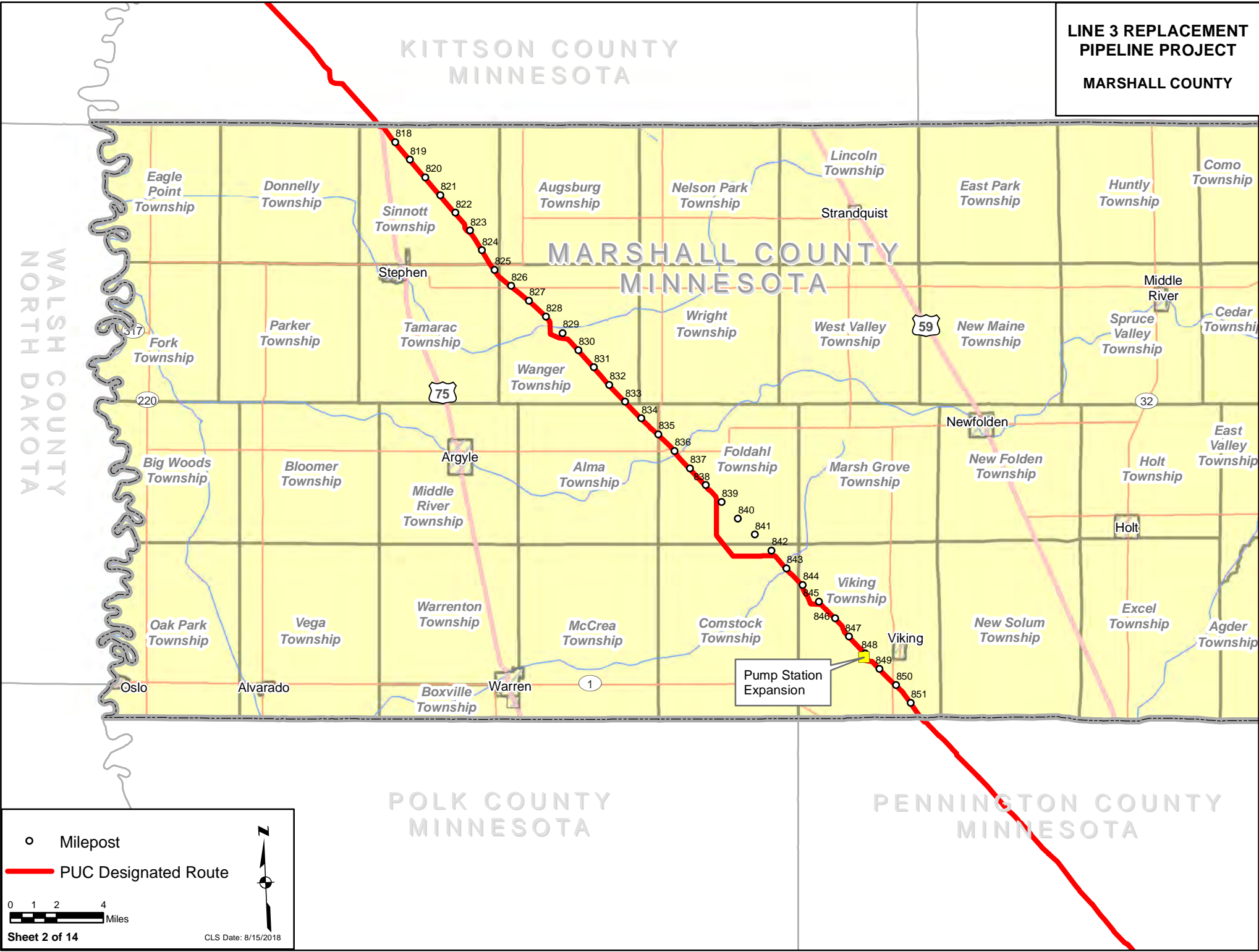
PEMBINA COUNTY
NORTH DAKOTA



- Milepost
- PUC Designated Route



**LINE 3 REPLACEMENT
PIPELINE PROJECT
MARSHALL COUNTY**



○ Milepost
 — PUC Designated Route

0 1 2 4 Miles

Sheet 2 of 14
 CLS Date: 8/15/2018

**LINE 3 REPLACEMENT
PIPELINE PROJECT
PENNINGTON COUNTY**

MARSHALL COUNTY
MINNESOTA

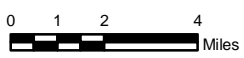
PENNINGTON COUNTY
MINNESOTA

RED LAKE COUNTY
MINNESOTA

POLK COUNTY
MINNESOTA



- Milepost
- PUC Designated Route



**LINE 3 REPLACEMENT
PIPELINE PROJECT
RED LAKE COUNTY**

PENNINGTON COUNTY
MINNESOTA



POLK COUNTY
MINNESOTA

○ Milepost
— PUC Designated Route

0 1 2 4
Miles

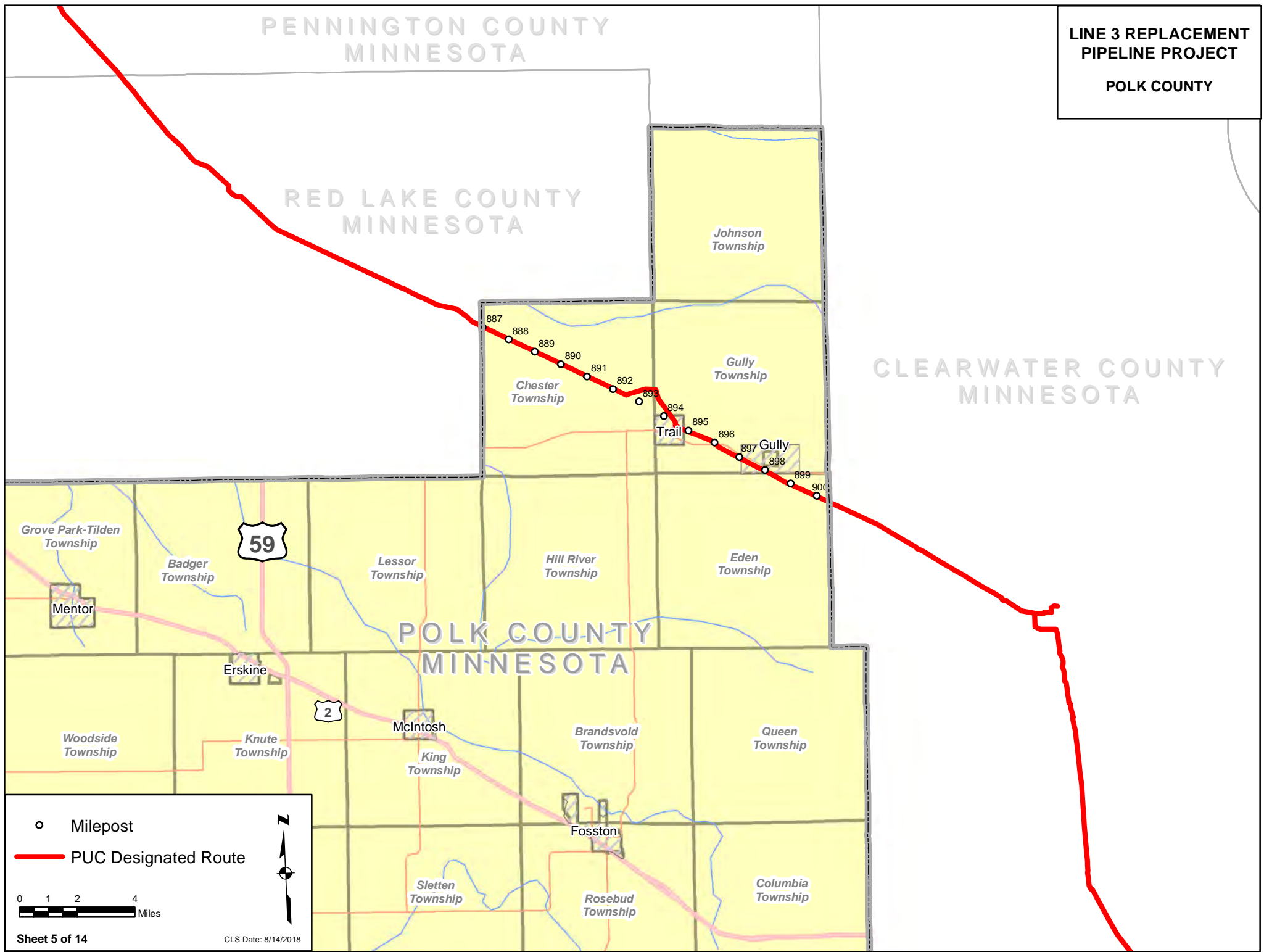
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PENNINGTON COUNTY
MINNESOTA

LINE 3 REPLACEMENT
PIPELINE PROJECT
POLK COUNTY

RED LAKE COUNTY
MINNESOTA

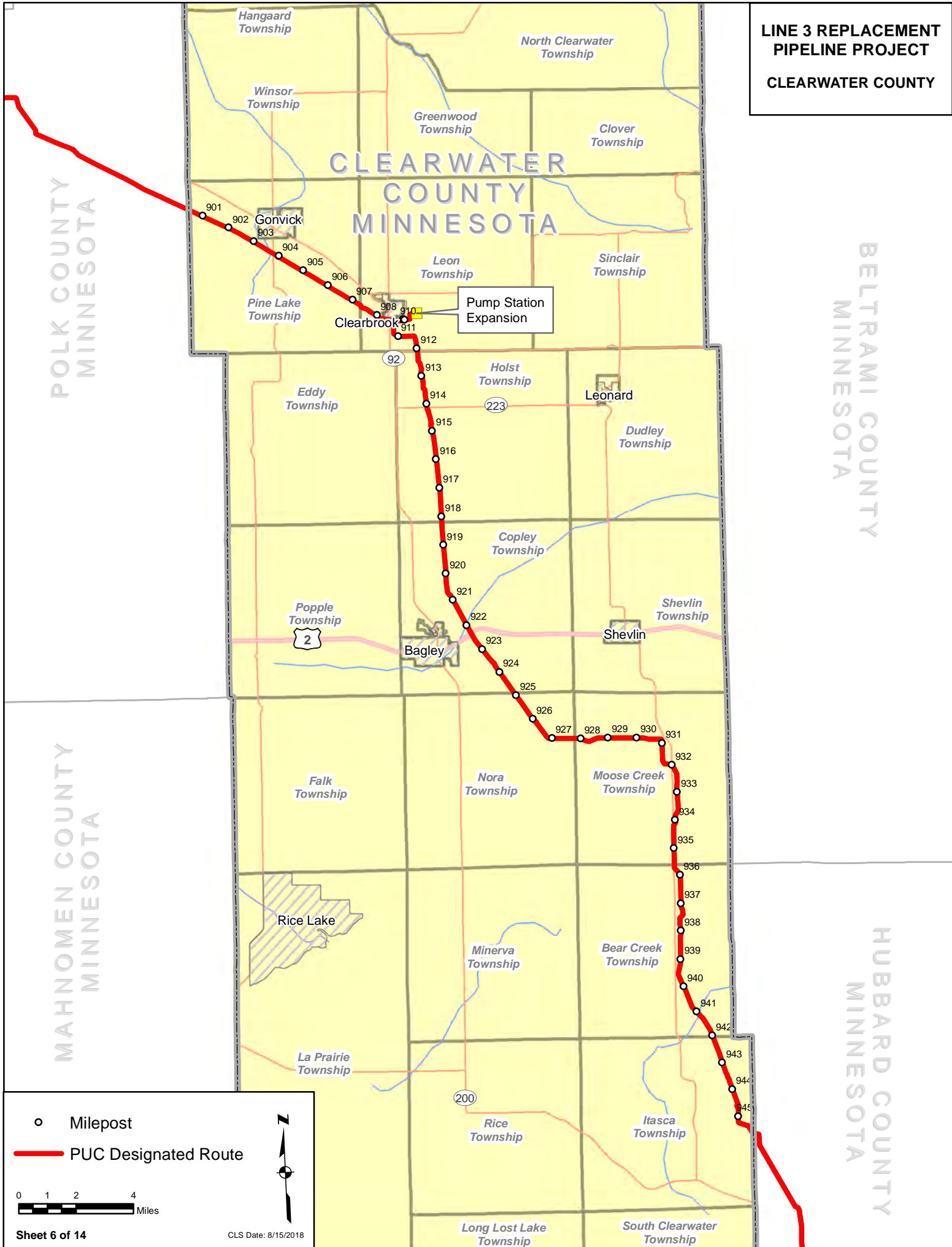
CLEARWATER COUNTY
MINNESOTA



○ Milepost
— PUC Designated Route

0 1 2 4
Miles

**LINE 3 REPLACEMENT
PIPELINE PROJECT
CLEARWATER COUNTY**



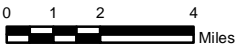
POLK COUNTY
MINNESOTA

BELTRAMI COUNTY
MINNESOTA

MAHANOMEN COUNTY
MINNESOTA

HUBBARD COUNTY
MINNESOTA

- Milepost
- PUC Designated Route



**LINE 3 REPLACEMENT
PIPELINE PROJECT**
HUBBARD COUNTY

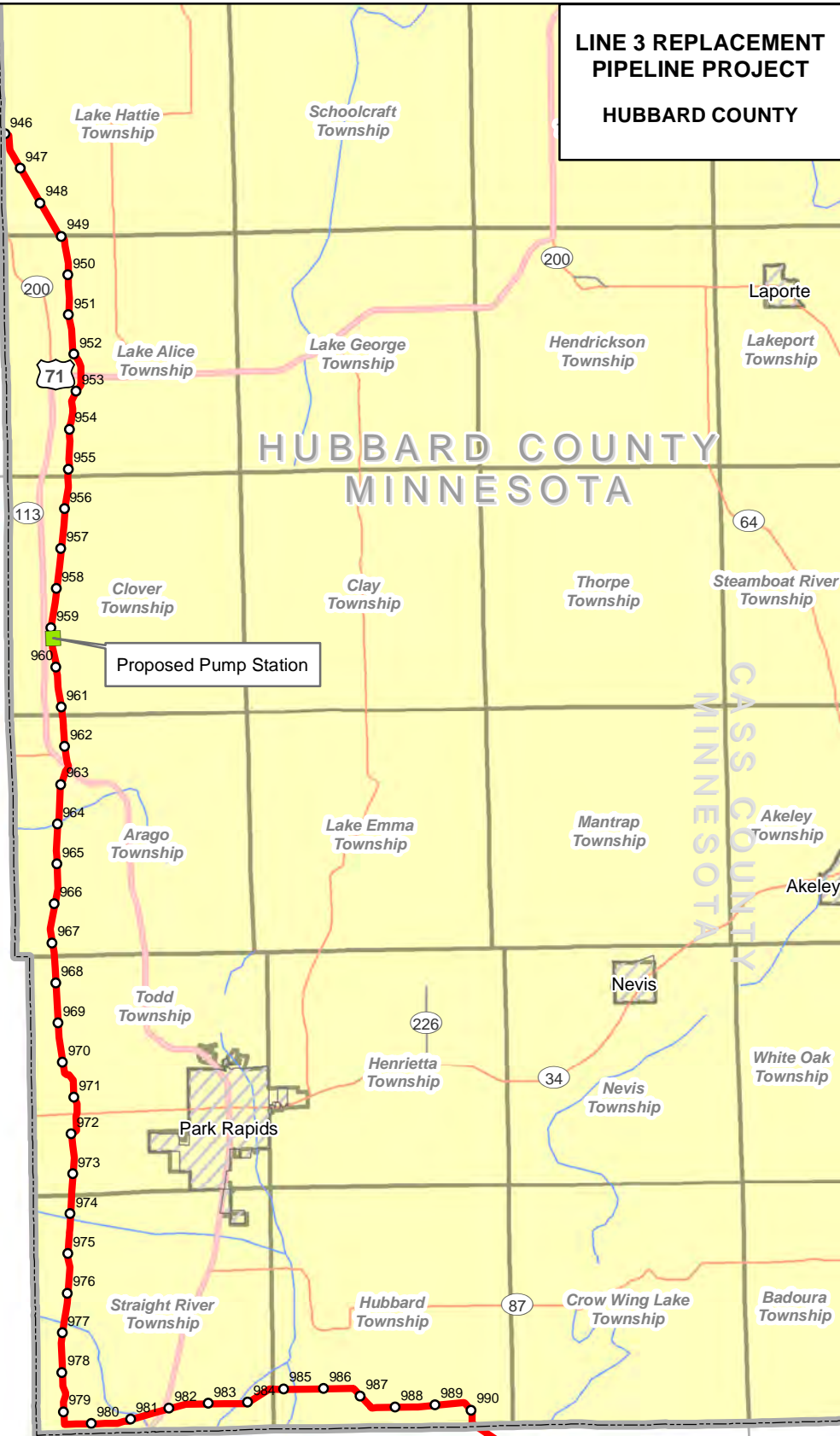
CLEARWATER COUNTY
MINNESOTA

BECKER COUNTY
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HUBBARD COUNTY
MINNESOTA

CASS COUNTY
MINNESOTA

WADENA COUNTY
MINNESOTA

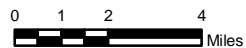


Proposed Pump Station

Park Rapids

Nevis

- Milepost
- PUC Designated Route



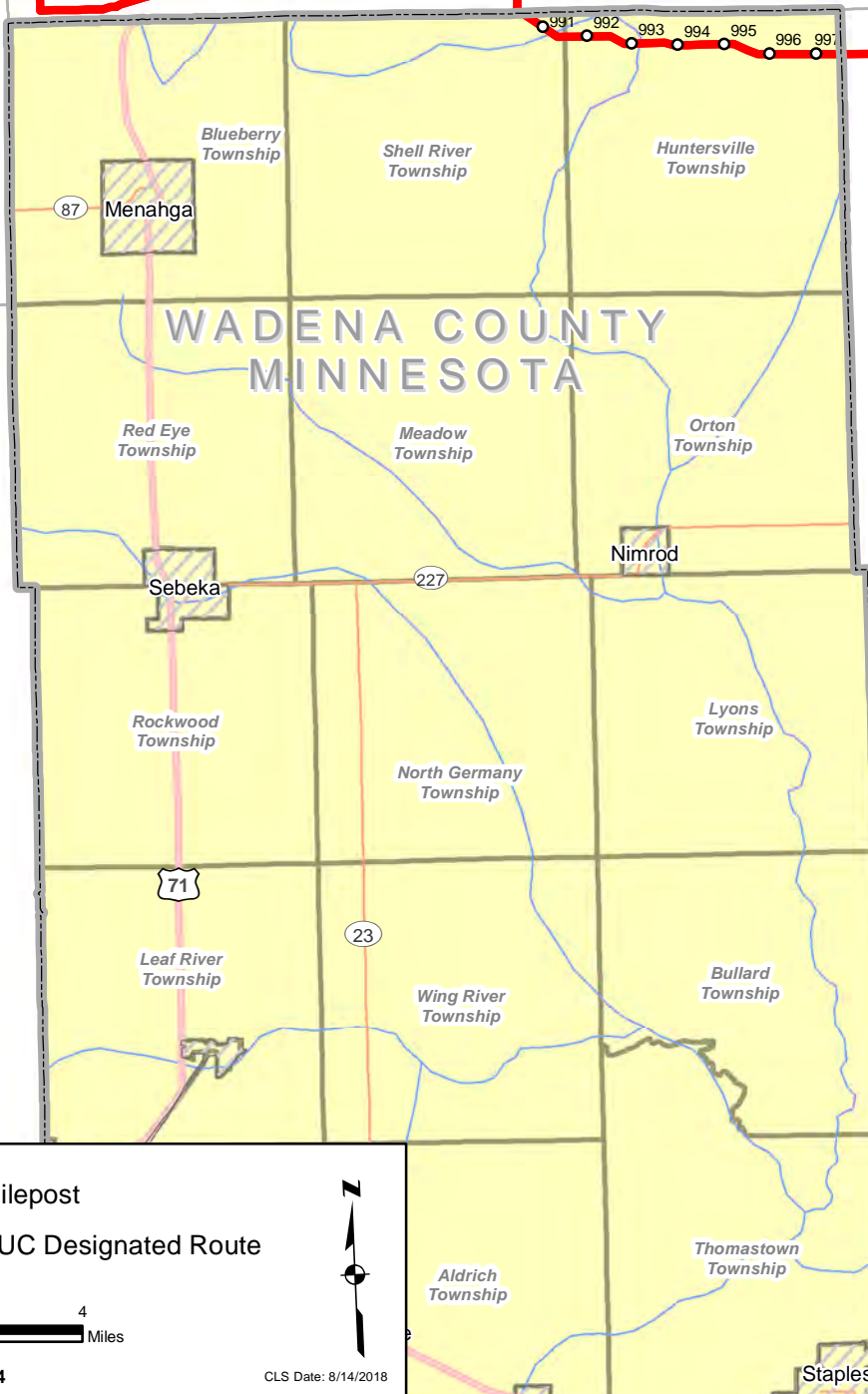
**LINE 3 REPLACEMENT
PIPELINE PROJECT
WADENA COUNTY**

HUBBARD COUNTY
MINNESOTA

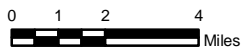
BECKER COUNTY
MINNESOTA

OTTER TAIL COUNTY
MINNESOTA

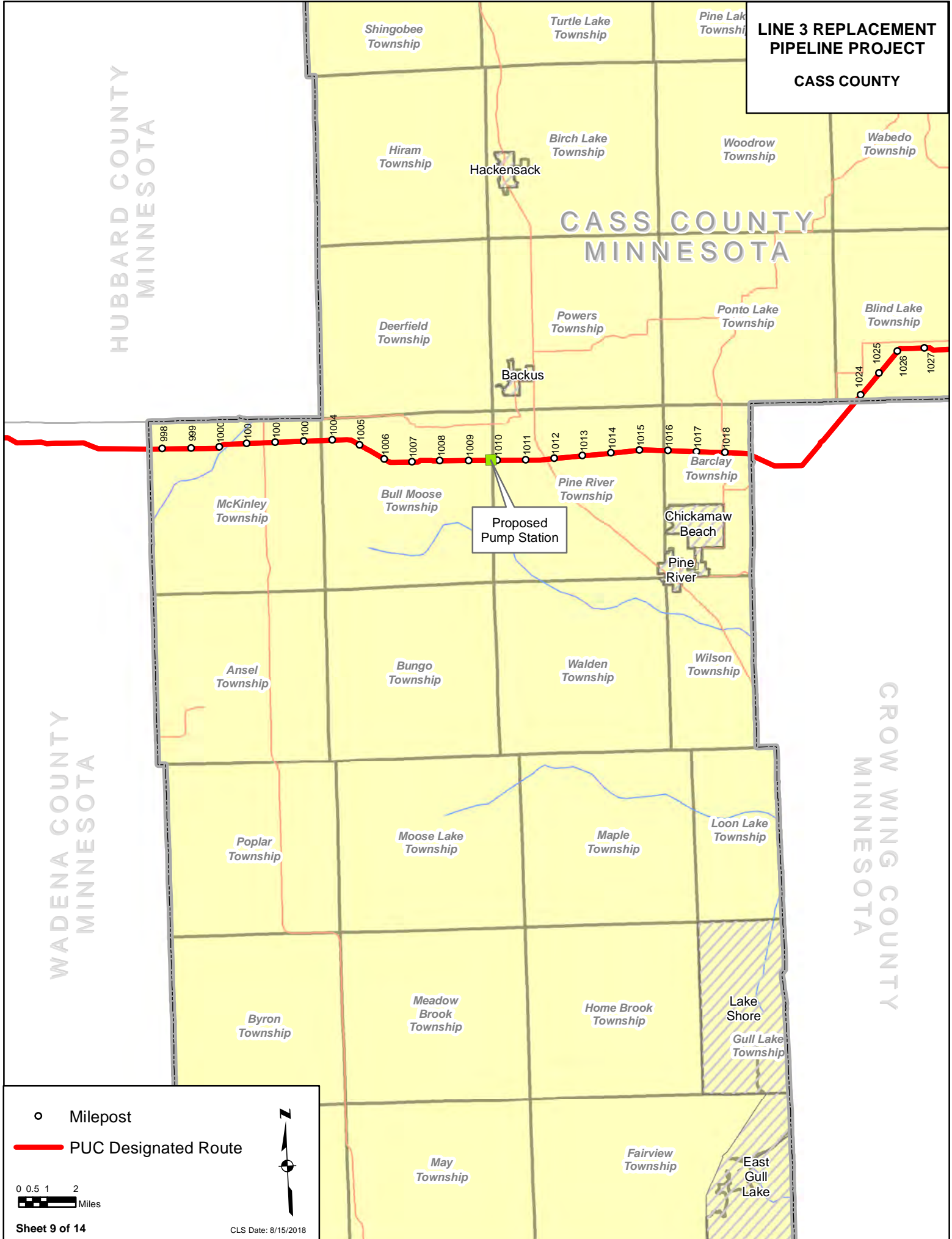
CASS COUNTY
MINNESOTA



- Milepost
- PUC Designated Route



**LINE 3 REPLACEMENT
PIPELINE PROJECT
CASS COUNTY**



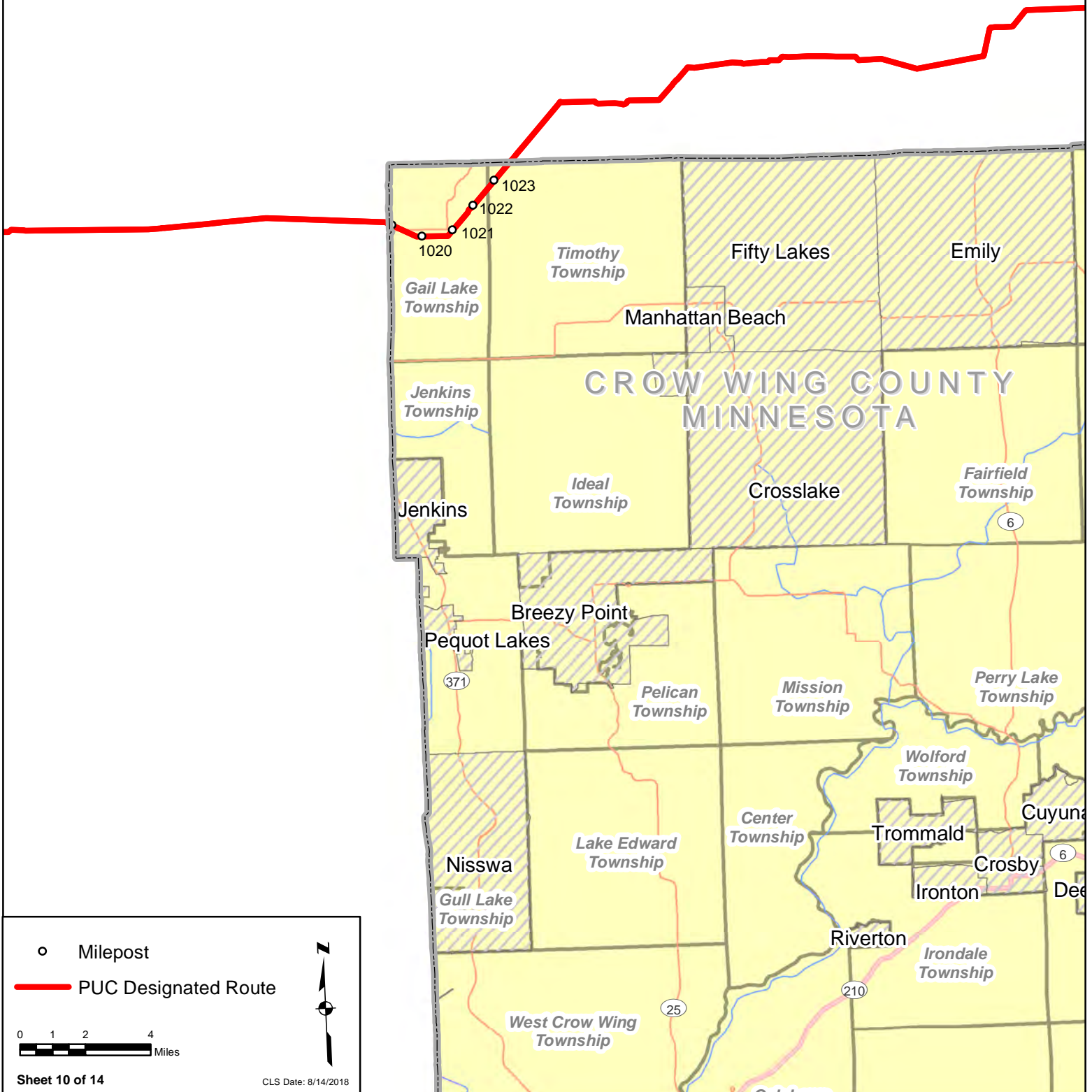
○ Milepost
 — PUC Designated Route

0 0.5 1 2
 Miles

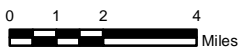
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**LINE 3 REPLACEMENT
PIPELINE PROJECT
CROW WING COUNTY
MINNESOTA**

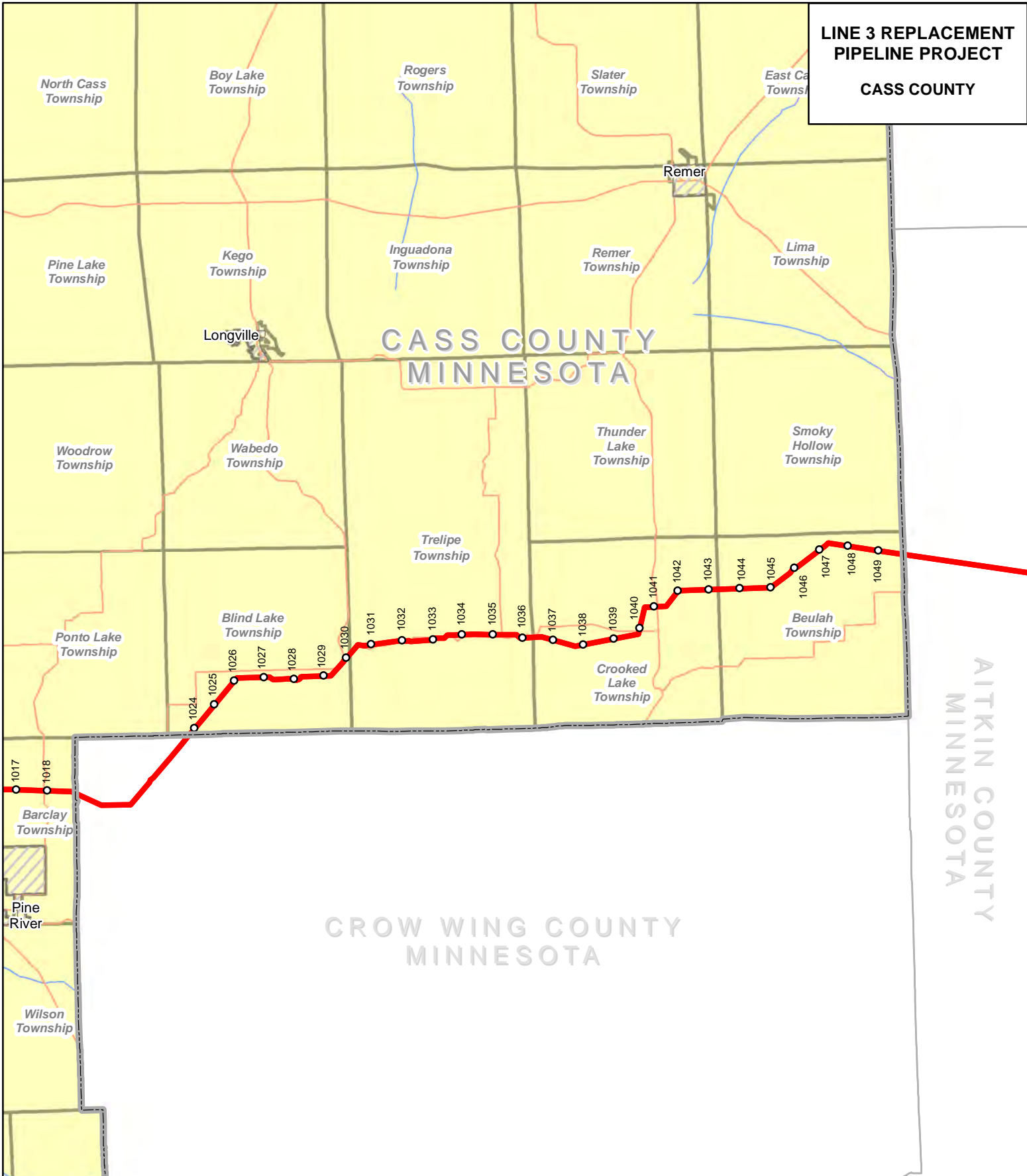
CASS COUNTY
MINNESOTA



- Milepost
- PUC Designated Route



**LINE 3 REPLACEMENT
PIPELINE PROJECT
CASS COUNTY**



○ Milepost
 — PUC Designated Route

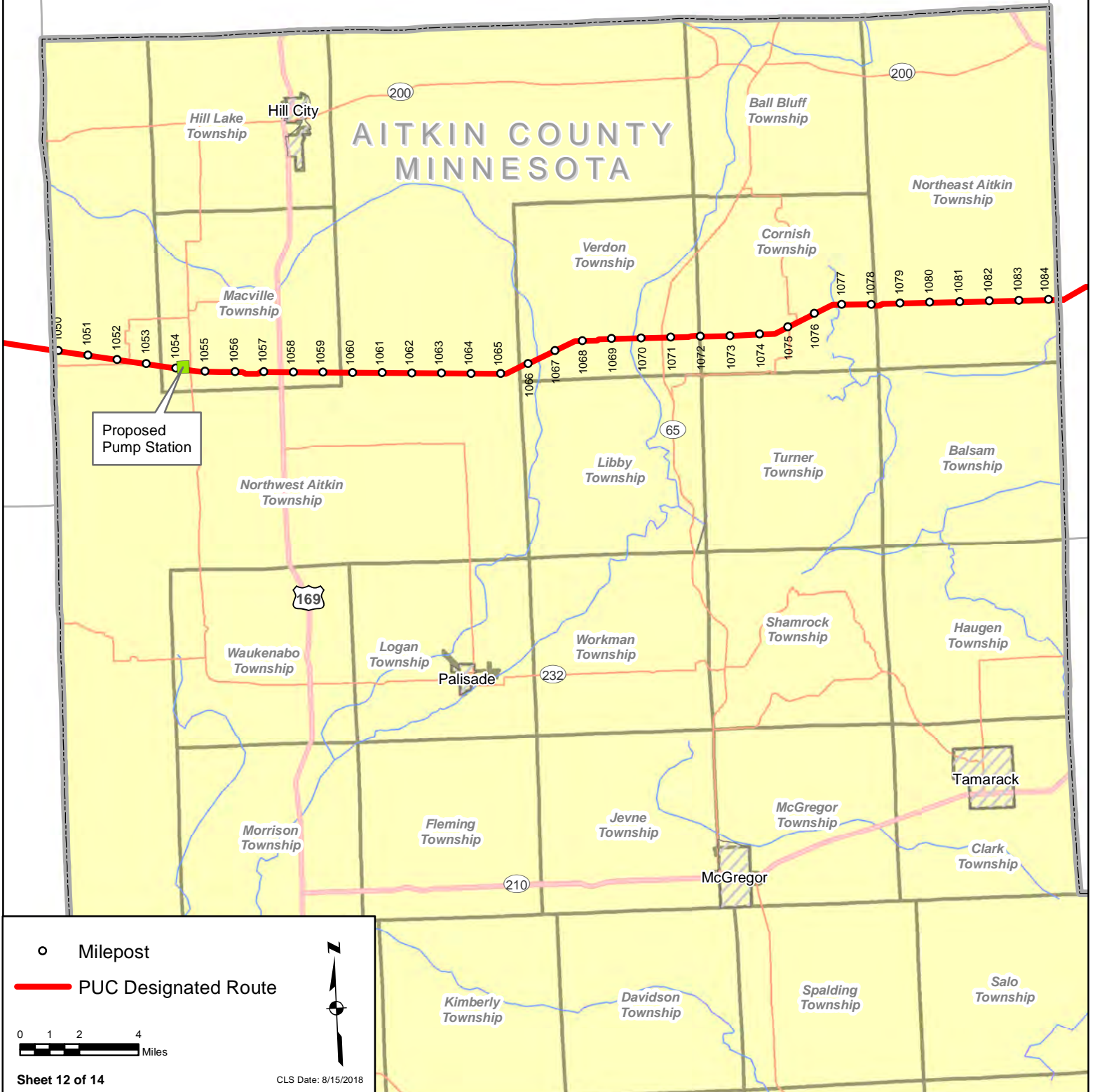
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**LINE 3 REPLACEMENT
PIPELINE PROJECT
AITKIN COUNTY
MINNESOTA**

ITASCA COUNTY
MINNESOTA

AITKIN COUNTY
MINNESOTA



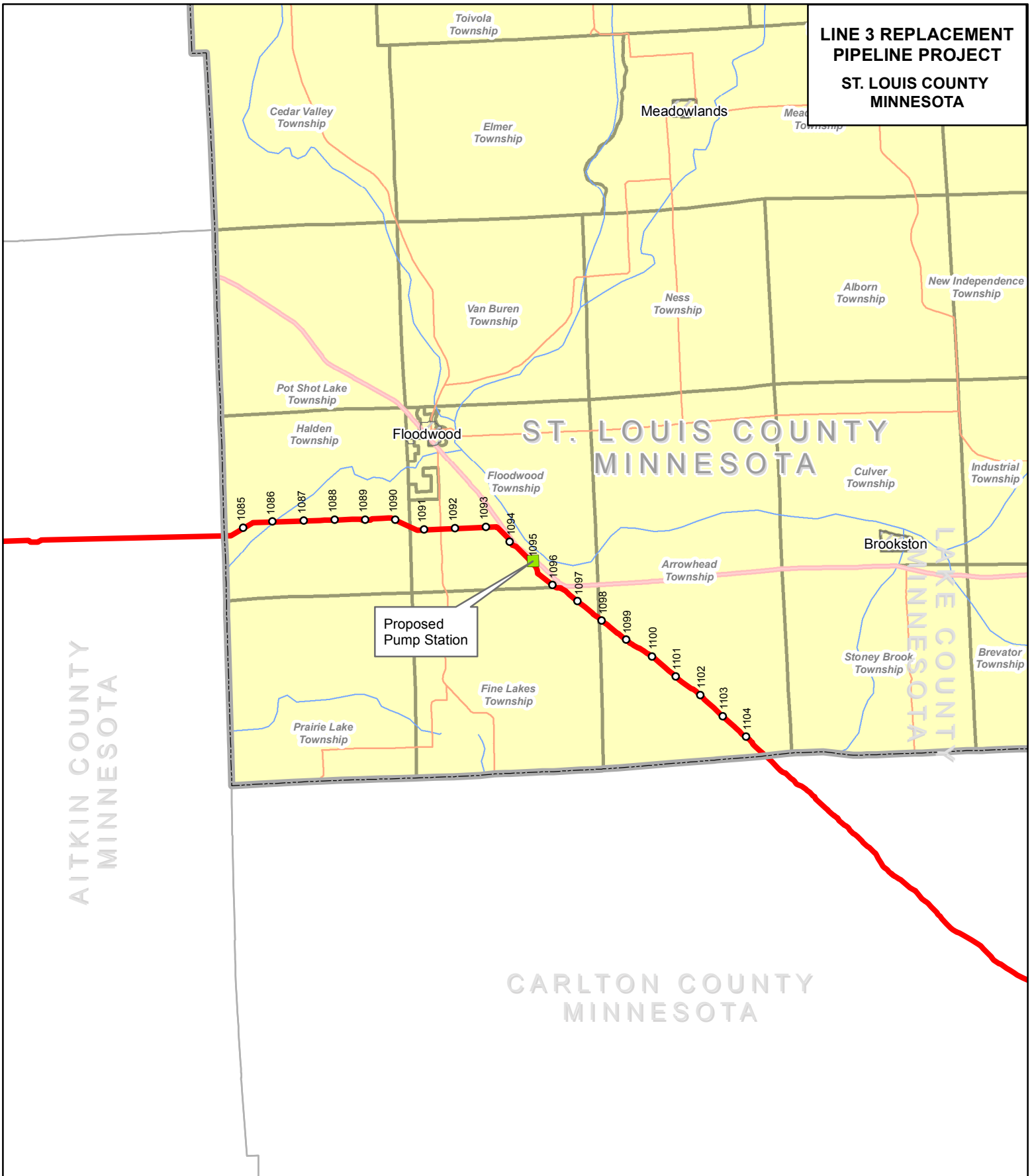
Proposed
Pump Station

○ Milepost
 — PUC Designated Route

0 1 2 4
 Miles

Sheet 12 of 14
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**LINE 3 REPLACEMENT
PIPELINE PROJECT
ST. LOUIS COUNTY
MINNESOTA**



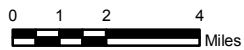
AITKIN COUNTY
MINNESOTA

CARLTON COUNTY
MINNESOTA

LAKE COUNTY
MINNESOTA

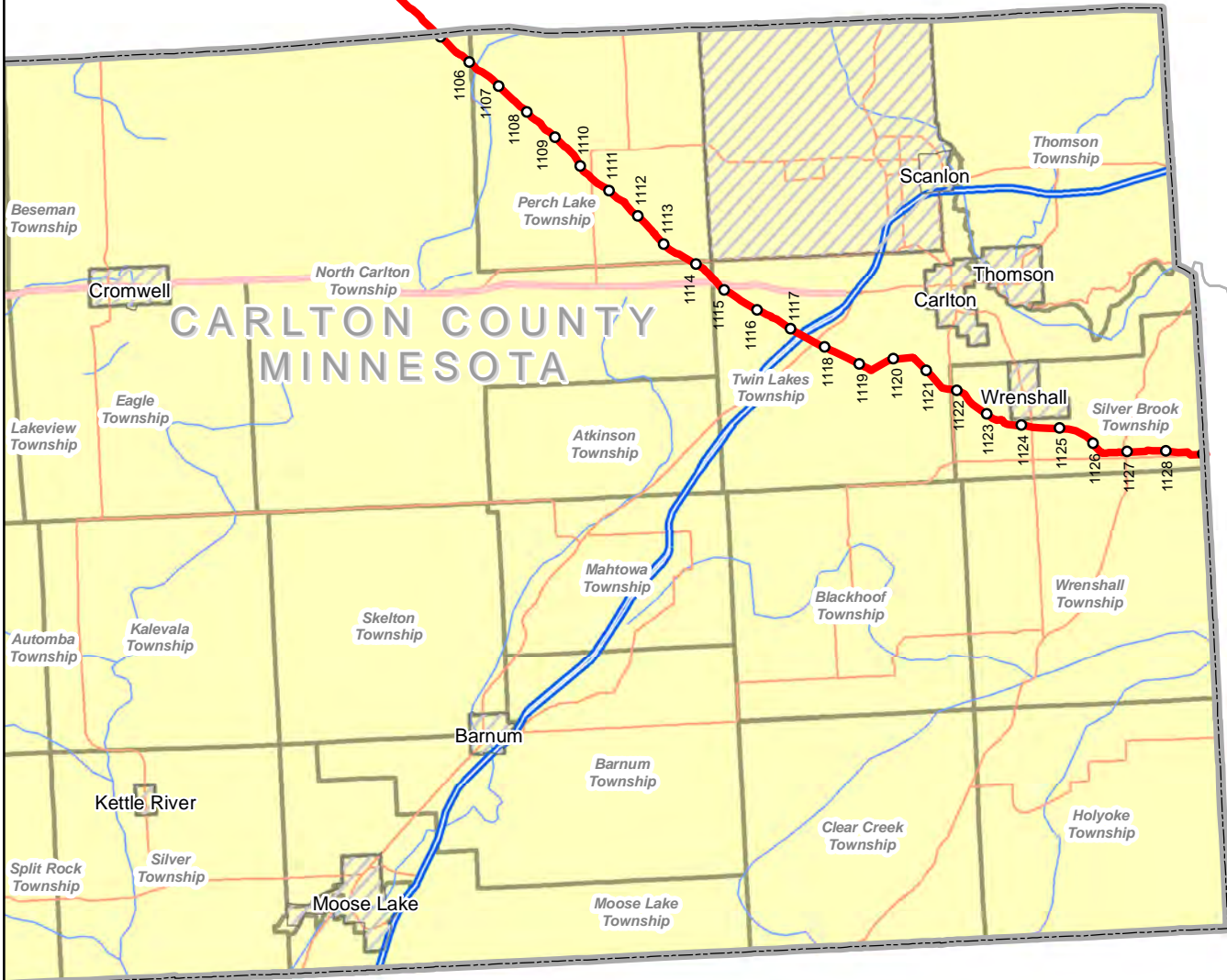
Proposed
Pump Station

- Milepost
- PUC Designated Route



**LINE 3 REPLACEMENT
PIPELINE PROJECT
CARLTON COUNTY
MINNESOTA**

ST. LOUIS COUNTY
MINNESOTA



DOUGLAS COUNTY
WISCONSIN

PINE COUNTY
MINNESOTA

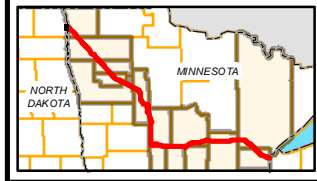
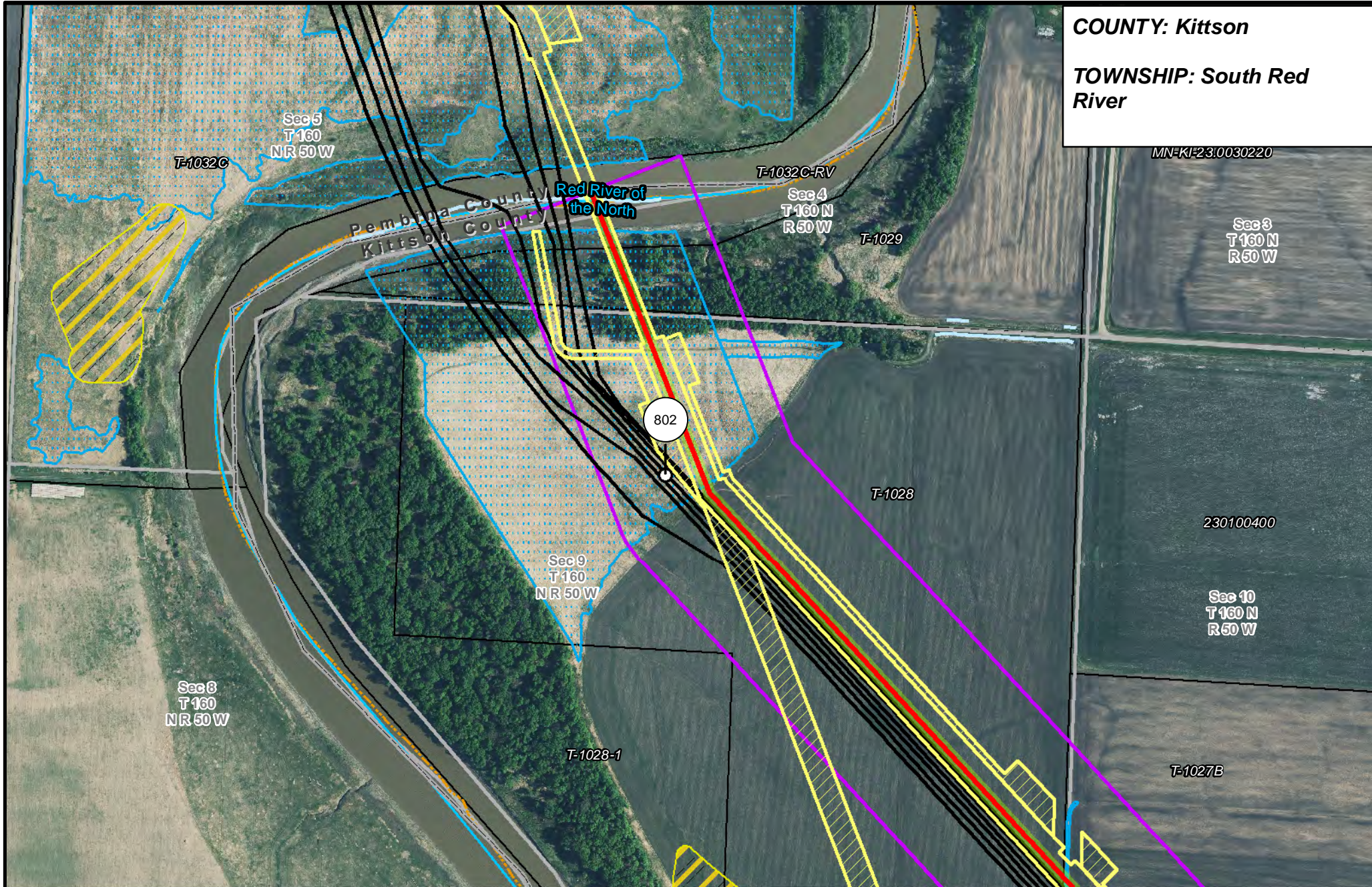
○ Milepost
 — PUC Designated Route

0 1 2 4 Miles

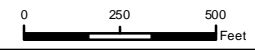
Sheet 14 of 14
 CLS Date: 8/14/2018

COUNTY: Kittson
TOWNSHIP: South Red River

MN-KI-23.0030220



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| PUC Designated Route | Mile Post | Surveyed Waterbodies | Tract Boundary |
| ROW | Temporary Workspace | ESA | MN Section Boundary |
| Line 3R Pipeline | Additional Temporary Workspace | Surveyed Wetlands | Township/City Boundary |
| Valve Location | Existing Enbridge Pipelines | NWI Wetlands | County Boundary |
| Enbridge Pump Station | Existing Electric Transmission | | |
| | Existing Third Party Pipelines | | |

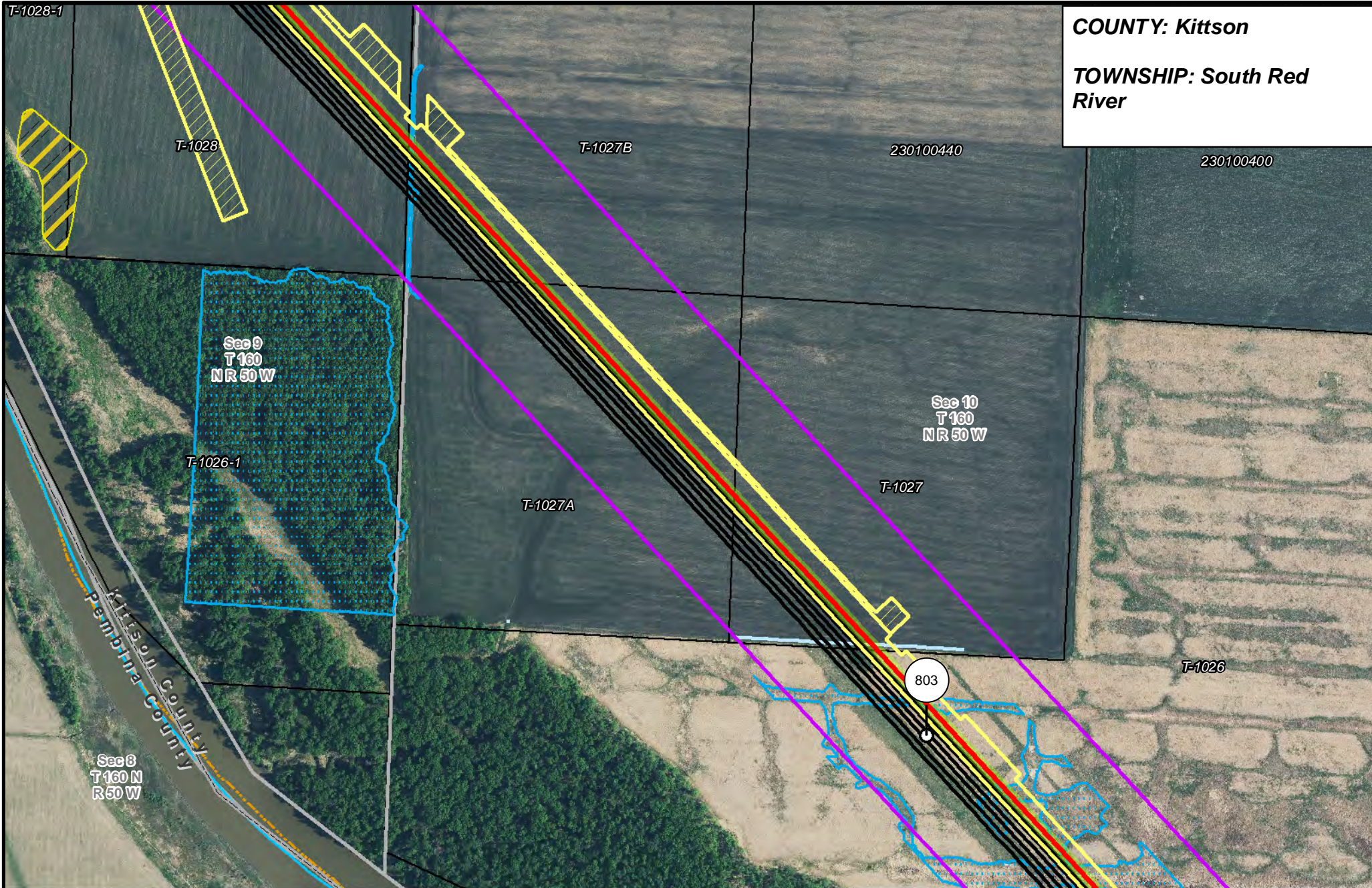


LINE 3 REPLACEMENT PIPELINE ROUTE

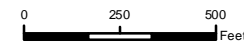
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 Map 1 of 378

COUNTY: Kittson

TOWNSHIP: South Red River



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| PUC Designated Route | Mile Post | Surveyed Waterbodies | Tract Boundary |
| ROW | Temporary Workspace | ESA | MN Section Boundary |
| Line 3R Pipeline | Additional Temporary Workspace | Surveyed Wetlands | Township/City Boundary |
| Valve Location | Existing Enbridge Pipelines | NWI Wetlands | County Boundary |
| Enbridge Pump Station | Existing Electric Transmission | | |
| | Existing Third Party Pipelines | | |

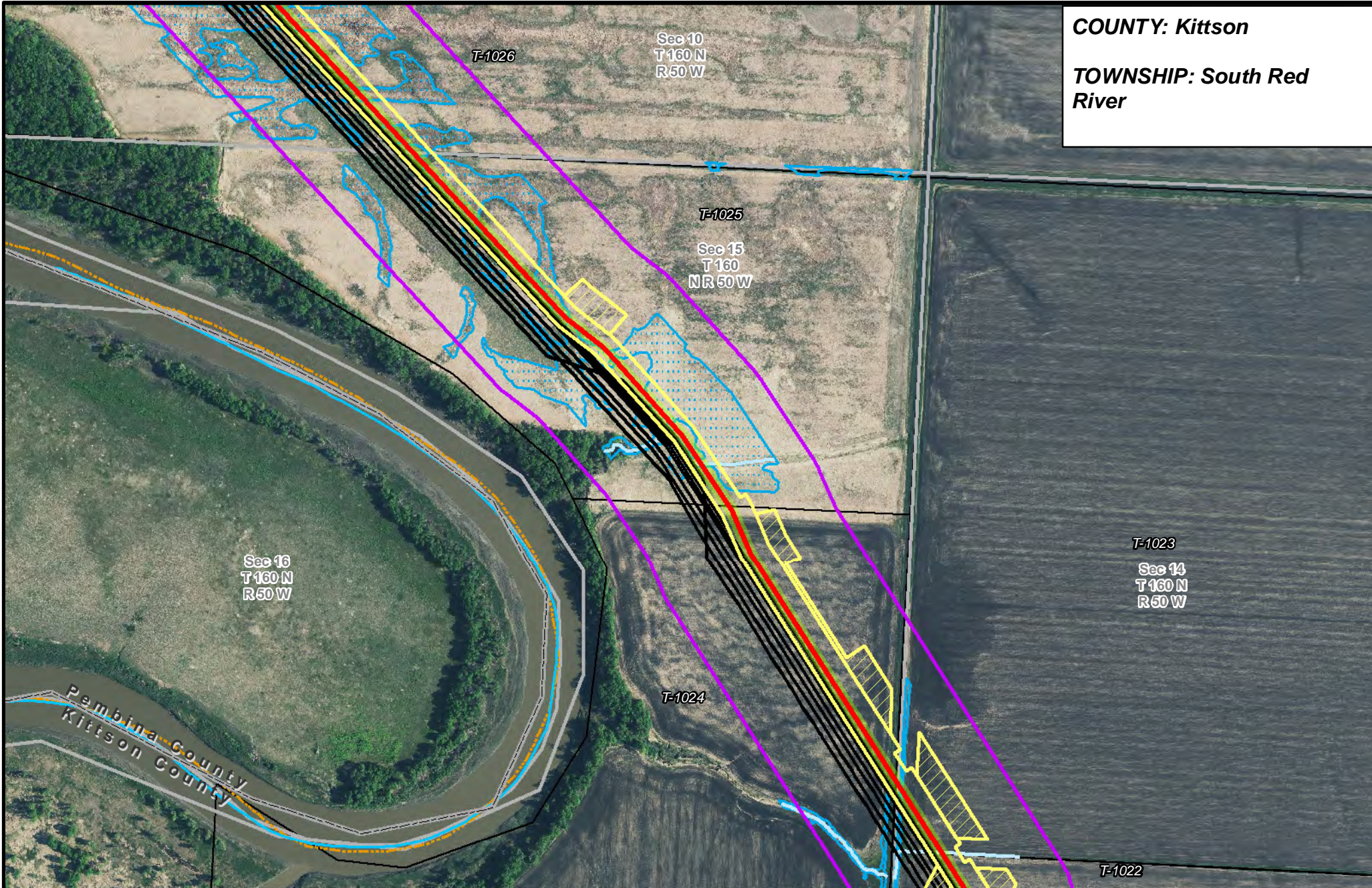


LINE 3 REPLACEMENT PIPELINE ROUTE

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Map 2 of 378

COUNTY: Kittson

TOWNSHIP: South Red River



Sec 16
T 160 N
R 50 W

Sec 10
T 160 N
R 50 W

T-1025

Sec 15
T 160
NR 50 W

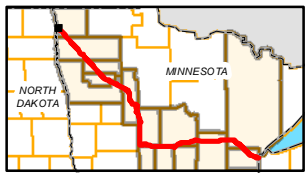
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Sec 14
T 160 N
R 50 W

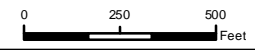
T-1024

T-1022

Pembina County
Kittson County



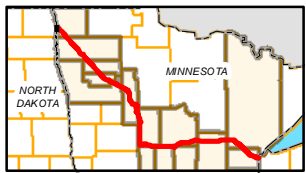
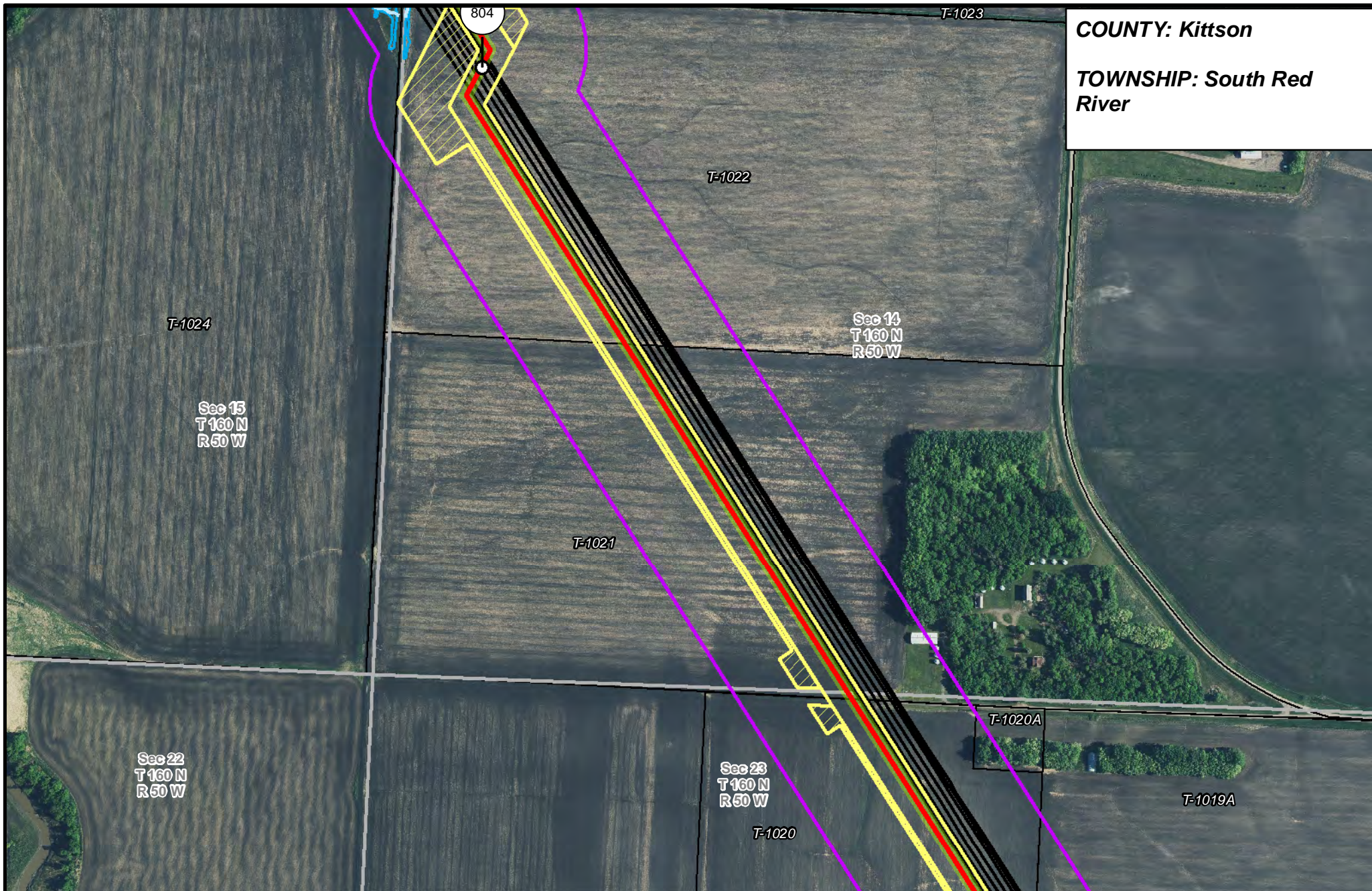
- PUC Designated Route
- ROW
- Line 3R Pipeline
- Valve Location
- Enbridge Pump Station
- Mile Post
- Temporary Workspace
- Additional Temporary Workspace
- Existing Enbridge Pipelines
- Existing Electric Transmission
- Existing Third Party Pipelines
- Surveyed Waterbodies
- ESA
- Surveyed Wetlands
- NWI Wetlands
- Tract Boundary
- MN Section Boundary
- Township/City Boundary
- County Boundary



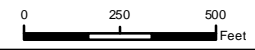
LINE 3 REPLACEMENT PIPELINE ROUTE

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Map 3 of 378

COUNTY: Kittson
TOWNSHIP: South Red River



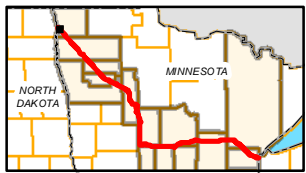
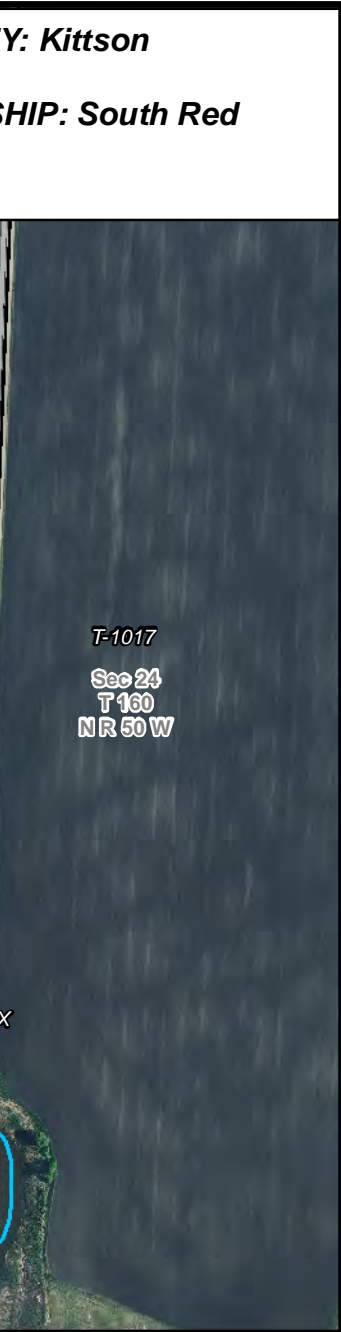
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|-----------------------|--------------------------------|----------------------|------------------------|
| PUC Designated Route | Mile Post | Surveyed Waterbodies | Tract Boundary |
| ROW | Temporary Workspace | ESA | MN Section Boundary |
| Line 3R Pipeline | Additional Temporary Workspace | Surveyed Wetlands | Township/City Boundary |
| Valve Location | Existing Enbridge Pipelines | NWI Wetlands | County Boundary |
| Enbridge Pump Station | Existing Electric Transmission | | |
| | Existing Third Party Pipelines | | |



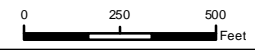
LINE 3 REPLACEMENT PIPELINE ROUTE

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 Map 4 of 378

COUNTY: Kittson
TOWNSHIP: South Red River



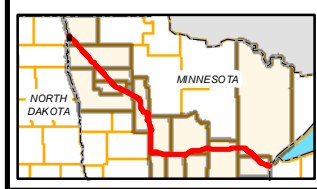
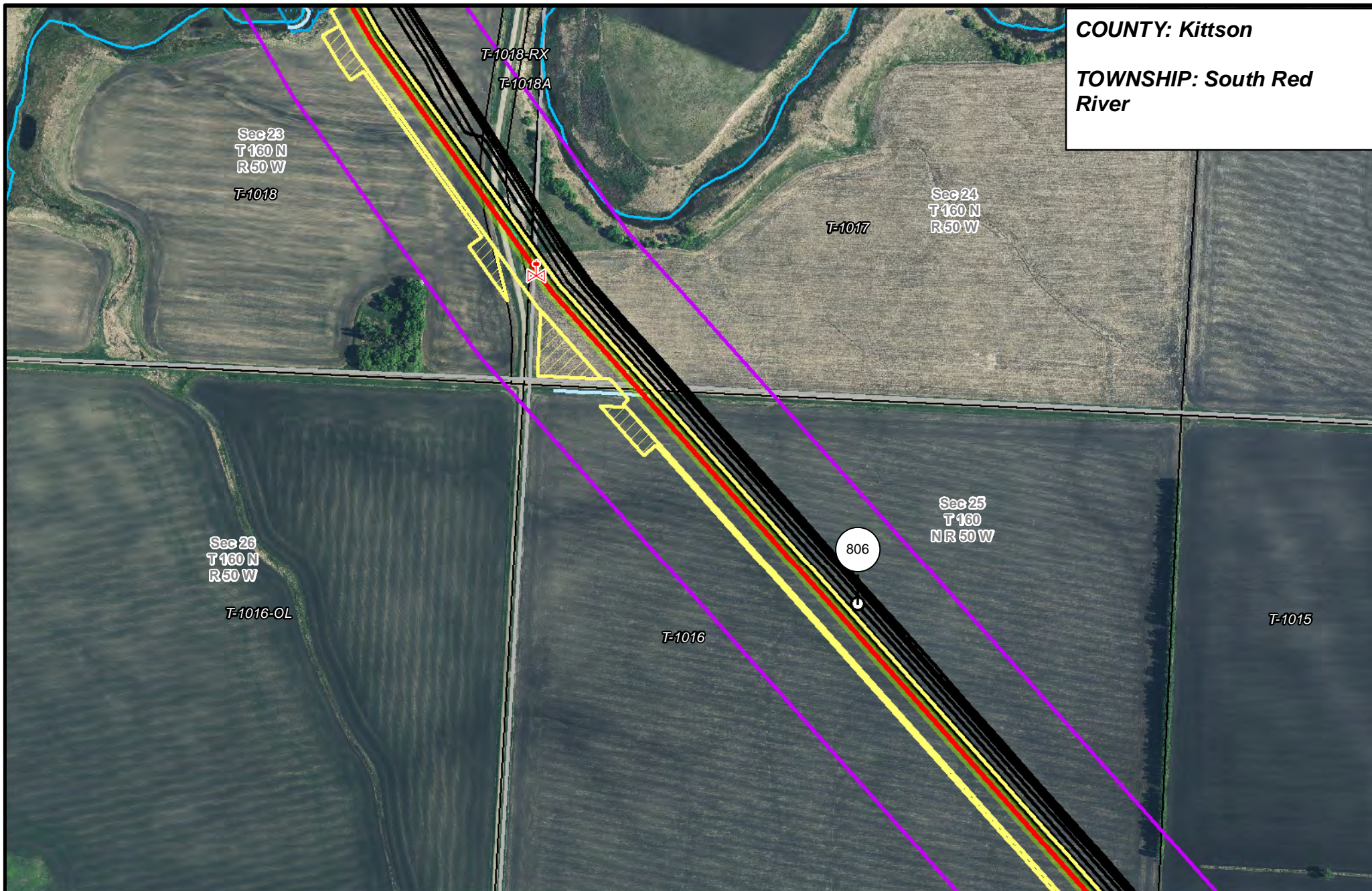
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|-----------------------|--------------------------------|----------------------|------------------------|
| PUC Designated Route | Mile Post | Surveyed Waterbodies | Tract Boundary |
| ROW | Temporary Workspace | ESA | MN Section Boundary |
| Line 3R Pipeline | Additional Temporary Workspace | Surveyed Wetlands | Township/City Boundary |
| Valve Location | Existing Enbridge Pipelines | NWI Wetlands | County Boundary |
| Enbridge Pump Station | Existing Electric Transmission | | |
| | Existing Third Party Pipelines | | |



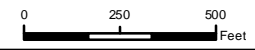
LINE 3 REPLACEMENT PIPELINE ROUTE

DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
 Map 5 of 378

COUNTY: Kittson
TOWNSHIP: South Red River



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| PUC Designated Route | Mile Post | Surveyed Waterbodies | Tract Boundary |
| ROW | Temporary Workspace | ESA | MN Section Boundary |
| Line 3R Pipeline | Additional Temporary Workspace | Surveyed Wetlands | Township/City Boundary |
| Valve Location | Existing Enbridge Pipelines | NWI Wetlands | County Boundary |
| Enbridge Pump Station | Existing Electric Transmission | | |
| | Existing Third Party Pipelines | | |



LINE 3 REPLACEMENT PIPELINE ROUTE

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 DATE: August 31, 2018 SCALE: 1:5,000

Map 6 of 378

COUNTY: Kittson

TOWNSHIP: Skane & South Red River

T-1016

T-1015

T-1014-OL

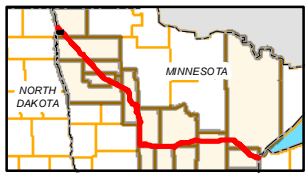
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T 160 N
R 50 W

Sec 30
T 160
NR 49 W

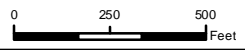
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T-1014

807



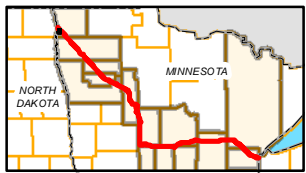
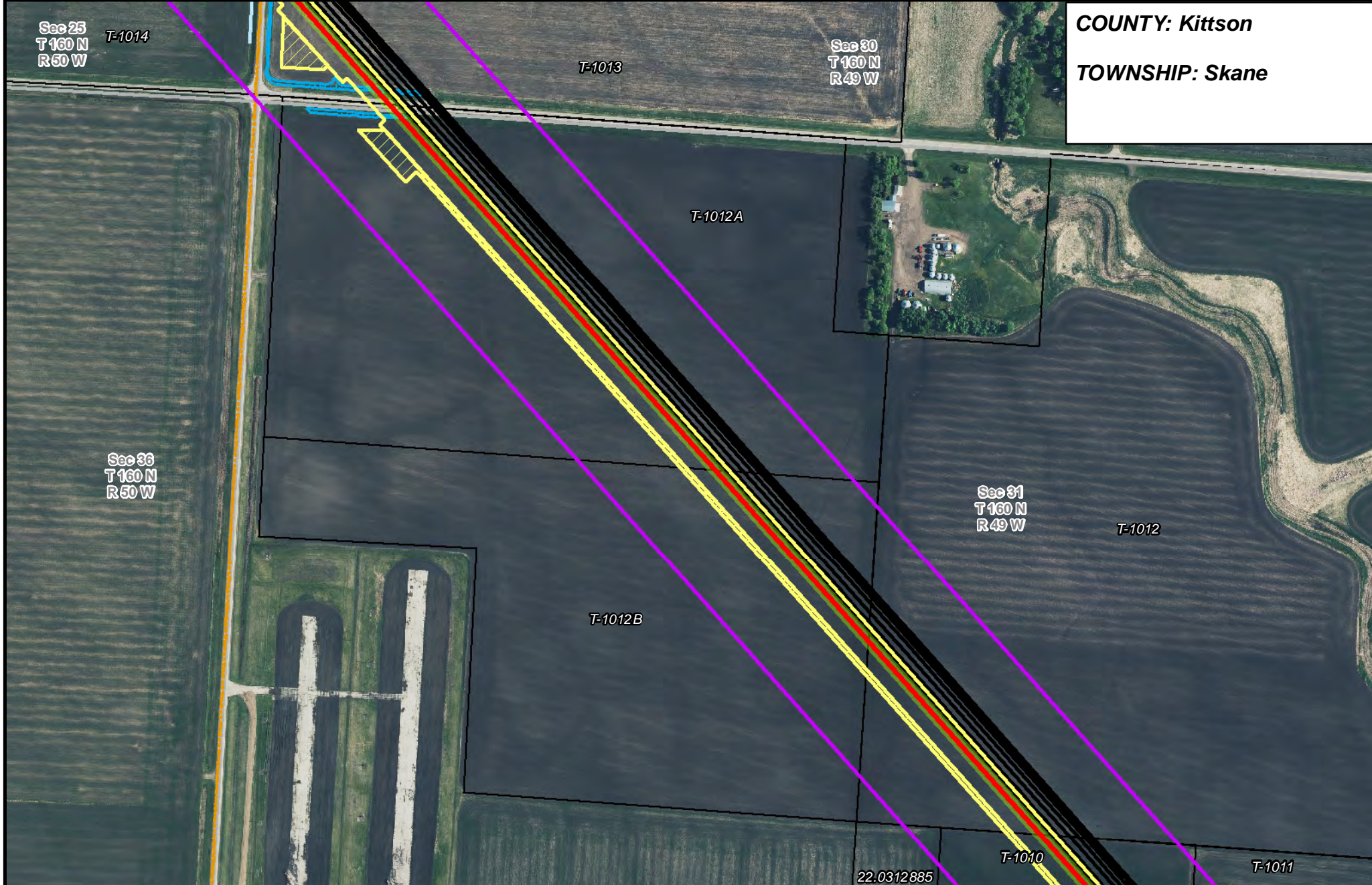
- PUC Designated Route
- ROW
- Line 3R Pipeline
- Valve Location
- Enbridge Pump Station
- Mile Post
- Temporary Workspace
- Additional Temporary Workspace
- Existing Enbridge Pipelines
- Existing Electric Transmission
- Existing Third Party Pipelines
- Surveyed Waterbodies
- ESA
- Surveyed Wetlands
- NWI Wetlands
- Tract Boundary
- MN Section Boundary
- Township/City Boundary
- County Boundary



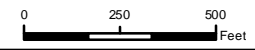
LINE 3 REPLACEMENT PIPELINE ROUTE

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 DATE: August 31, 2018 SCALE: 1:5,000
 Map 7 of 378

COUNTY: Kittson
TOWNSHIP: Skane



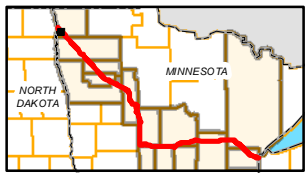
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|-----------------------|--------------------------------|----------------------|------------------------|
| PUC Designated Route | Mile Post | Surveyed Waterbodies | Tract Boundary |
| ROW | Temporary Workspace | ESA | MN Section Boundary |
| Line 3R Pipeline | Additional Temporary Workspace | Surveyed Wetlands | Township/City Boundary |
| Valve Location | Existing Enbridge Pipelines | NWI Wetlands | County Boundary |
| Enbridge Pump Station | Existing Electric Transmission | | |
| | Existing Third Party Pipelines | | |



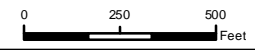
LINE 3 REPLACEMENT PIPELINE ROUTE

DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
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COUNTY: Kittson
TOWNSHIP: Svea & Skane



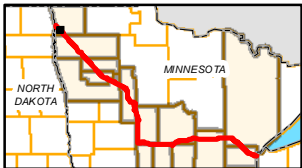
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| PUC Designated Route | Mile Post | Surveyed Waterbodies | Tract Boundary |
| ROW | Temporary Workspace | ESA | MN Section Boundary |
| Line 3R Pipeline | Additional Temporary Workspace | Surveyed Wetlands | Township/City Boundary |
| Valve Location | Existing Enbridge Pipelines | NWI Wetlands | County Boundary |
| Enbridge Pump Station | Existing Electric Transmission | | |
| | Existing Third Party Pipelines | | |



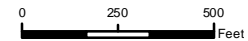
LINE 3 REPLACEMENT PIPELINE ROUTE

DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
 Map 9 of 378

COUNTY: Kittson
TOWNSHIP: Svea



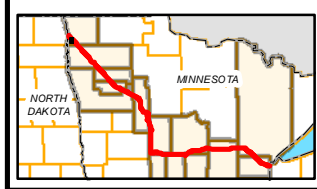
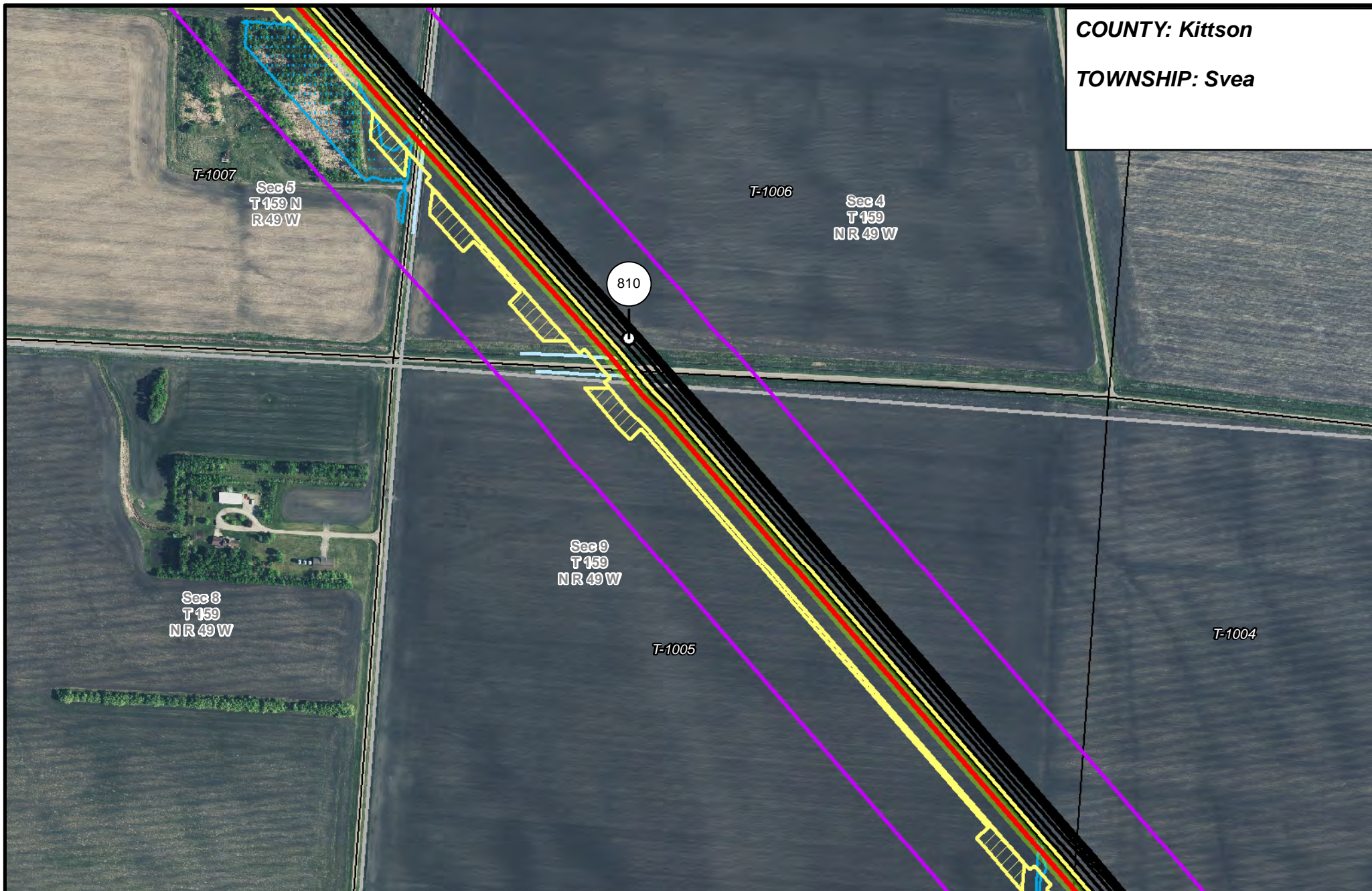
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|-----------------------|--------------------------------|----------------------|------------------------|
| PUC Designated Route | Mile Post | Surveyed Waterbodies | Tract Boundary |
| ROW | Temporary Workspace | ESA | MN Section Boundary |
| Line 3R Pipeline | Additional Temporary Workspace | Surveyed Wetlands | Township/City Boundary |
| Valve Location | Existing Enbridge Pipelines | NWI Wetlands | County Boundary |
| Enbridge Pump Station | Existing Electric Transmission | | |
| | Existing Third Party Pipelines | | |



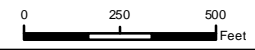
LINE 3 REPLACEMENT PIPELINE ROUTE

DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
 Map 10 of 378

COUNTY: Kittson
TOWNSHIP: Svea



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| PUC Designated Route | Mile Post | Surveyed Waterbodies | Tract Boundary |
| ROW | Temporary Workspace | ESA | MN Section Boundary |
| Line 3R Pipeline | Additional Temporary Workspace | Surveyed Wetlands | Township/City Boundary |
| Valve Location | Existing Enbridge Pipelines | NWI Wetlands | County Boundary |
| Enbridge Pump Station | Existing Electric Transmission | | |
| | Existing Third Party Pipelines | | |



LINE 3 REPLACEMENT PIPELINE ROUTE

DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
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COUNTY: Kittson

TOWNSHIP: Svea

T-1005

Sec 9
T 159 N
R 49 W

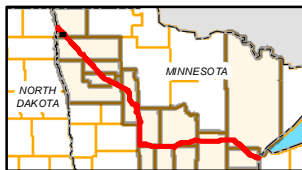
T-1004

811

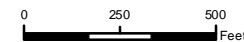
T-1004A

Sec 10
T 159
NR 49 W

T-1003



- | | | | |
|-----------------------|--------------------------------|--------------------------------|------------------------|
| PUC Designated Route | Mile Post | Surveyed Waterbodies | Tract Boundary |
| ROW | Temporary Workspace | ESA | MN Section Boundary |
| Line 3R Pipeline | Additional Temporary Workspace | Surveyed Wetlands | Township/City Boundary |
| Valve Location | Existing Enbridge Pipelines | NWI Wetlands | County Boundary |
| Enbridge Pump Station | Existing Electric Transmission | Existing Third Party Pipelines | |



LINE 3 REPLACEMENT PIPELINE ROUTE

DRAWN: MLB CHECKED: --
DATE: August 31, 2018 SCALE: 1:5,000
Map 12 of 378

COUNTY: Kittson

TOWNSHIP: Svea

Sec 9
T 159 N
R 49 W
T-1004

T-1003

Sec 10
T 159 N
R 49 W

Sec 16
T 159 N
R 49 W

T-1002-A

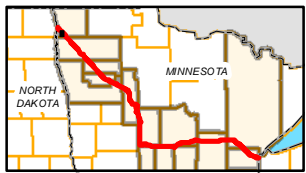
Sec 15
T 159 N
R 49 W

T-1002C

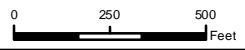
812

T-1002B

T-1002



- PUC Designated Route
- ROW
- Line 3R Pipeline
- Valve Location
- Enbridge Pump Station
- Temporary Workspace
- Additional Temporary Workspace
- Existing Enbridge Pipelines
- Existing Electric Transmission
- Existing Third Party Pipelines
- Surveyed Waterbodies
- ESA
- Surveyed Wetlands
- NWI Wetlands
- Tract Boundary
- MN Section Boundary
- Township/City Boundary
- County Boundary

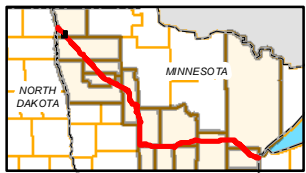
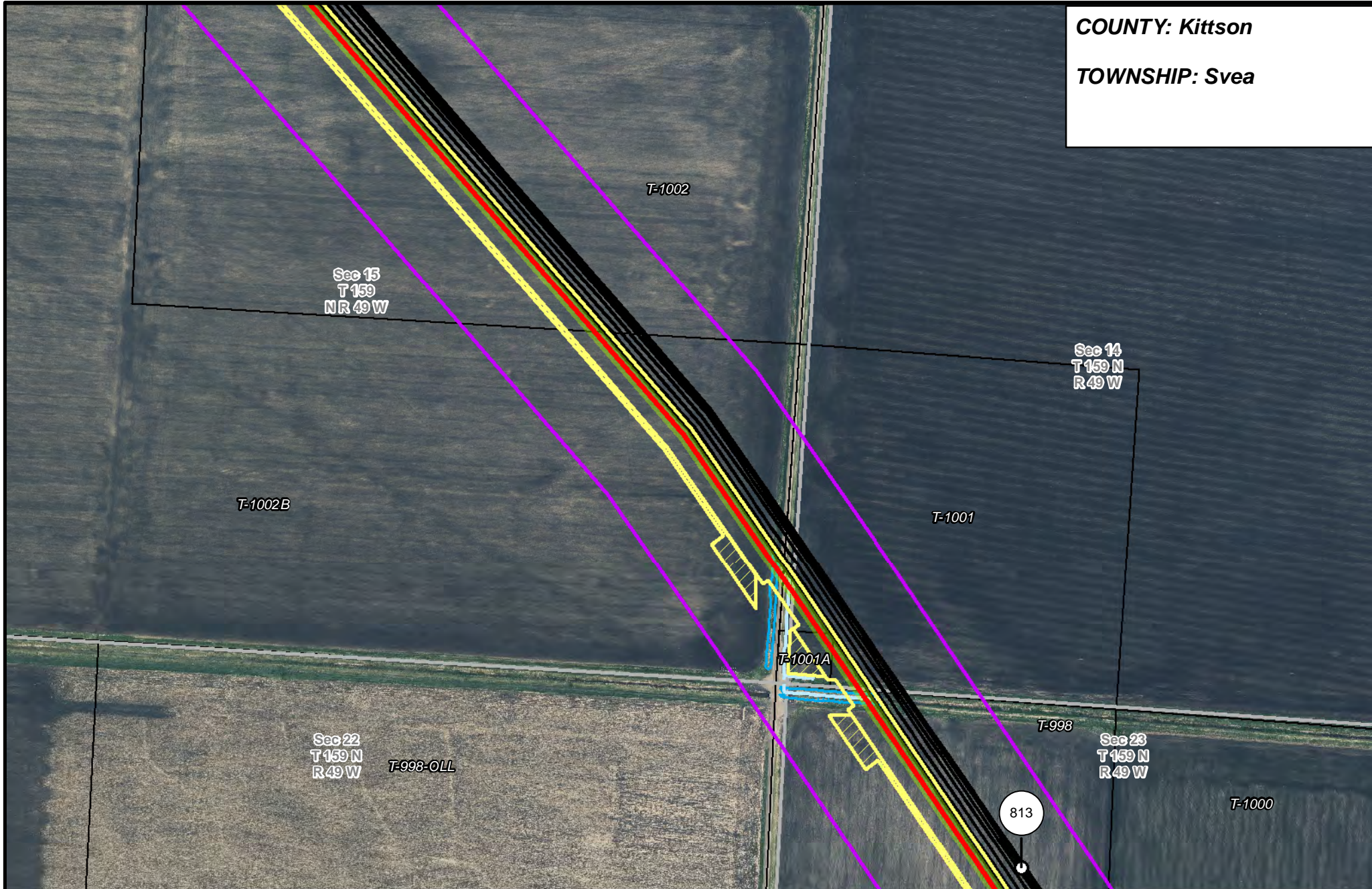


LINE 3 REPLACEMENT PIPELINE ROUTE

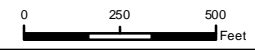
DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
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COUNTY: Kittson

TOWNSHIP: Svea



- PUC Designated Route
- ROW
- Line 3R Pipeline
- Valve Location
- Enbridge Pump Station
- Mile Post
- Temporary Workspace
- Additional Temporary Workspace
- Existing Enbridge Pipelines
- Existing Electric Transmission
- Existing Third Party Pipelines
- Surveyed Waterbodies
- ESA
- Surveyed Wetlands
- NWI Wetlands
- Tract Boundary
- MN Section Boundary
- Township/City Boundary
- County Boundary



LINE 3 REPLACEMENT PIPELINE ROUTE

DRAWN: MLB CHECKED: --
DATE: August 31, 2018 SCALE: 1:5,000
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T-998-OLL

COUNTY: Kittson

TOWNSHIP: Svea

T-1000

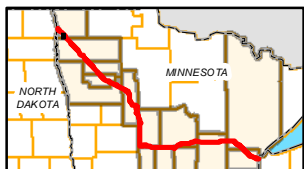
T-1000-OL

Sec 23
T 159 N
R 49 W

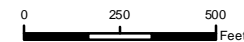
Sec 22
T 159 N
R 49 W

T-998

T-998A



- PUC Designated Route
- ROW
- Line 3R Pipeline
- Valve Location
- Enbridge Pump Station
- Mile Post
- Temporary Workspace
- Additional Temporary Workspace
- Existing Enbridge Pipelines
- Existing Electric Transmission
- Existing Third Party Pipelines
- Surveyed Waterbodies
- ESA
- Surveyed Wetlands
- NWI Wetlands
- Tract Boundary
- MN Section Boundary
- Township/City Boundary
- County Boundary



LINE 3 REPLACEMENT PIPELINE ROUTE

DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
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