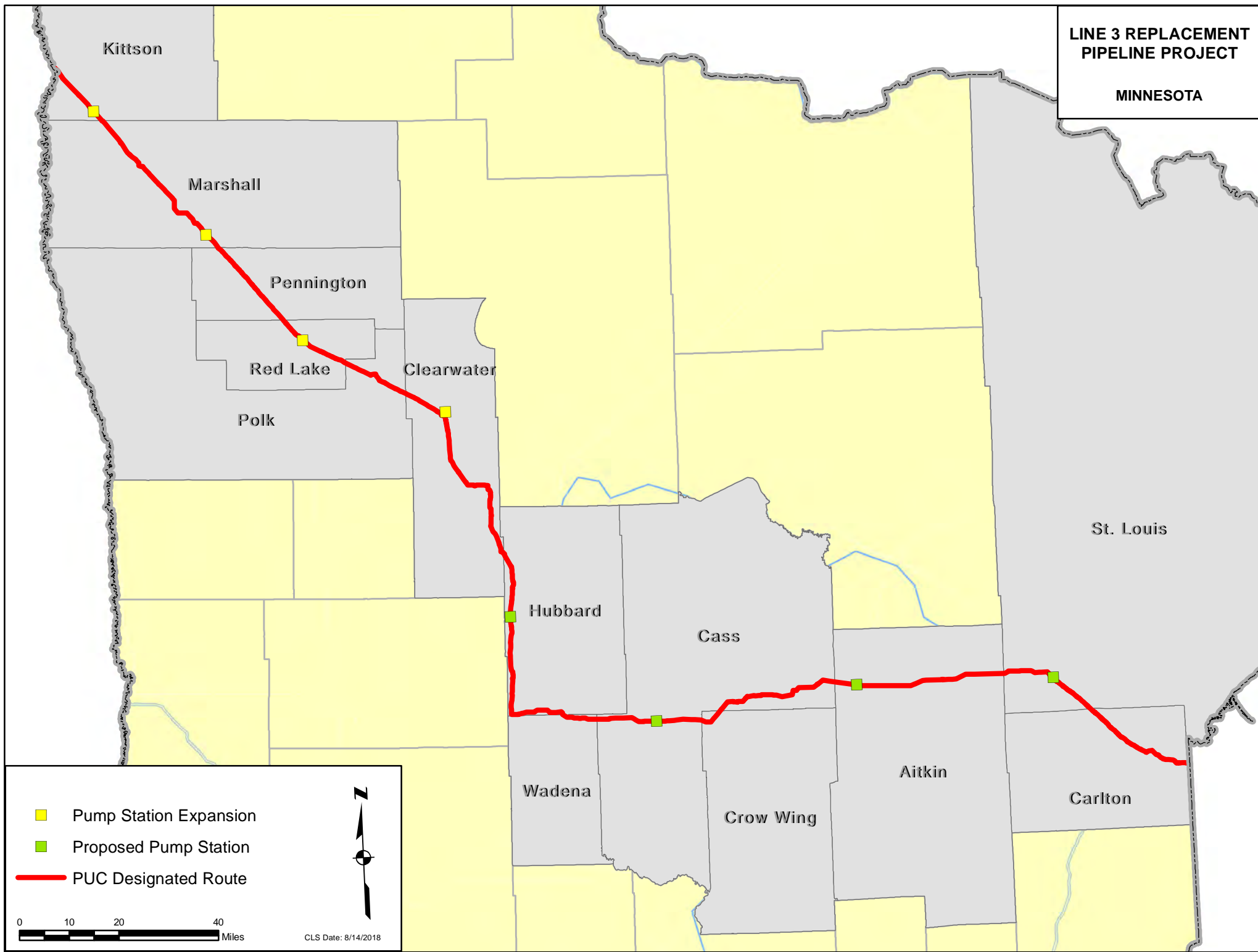



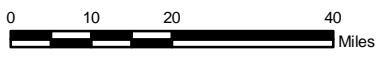


**LINE 3 REPLACEMENT
PIPELINE PROJECT**

MINNESOTA



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



CLS Date: 8/14/2018

**Index of Route Maps
Line 3 Replacement Pipeline Project**

<u>COUNTY MAPS</u>	<u>Sheet Number</u>
Kittson	1
Marshall	2
Pennington	3
Red Lake	4
Polk	5
Clearwater	6
Hubbard	7
Wadena	8
Cass	9
Crow Wing	10
Cass	11
Aitkin	12
St. Louis	13
Carlton	14

<u>DETAILED ROUTE MAPS</u>		
<u>County (Miles Crossed)</u>	<u>Township/Municipality (Miles Crossed)</u>	<u>Sheet Number</u>
Kittson (15.35)	South Red River (5.27)	1-7
	Skane (1.58)	7-9
	Svea (7.27)	9-18
	Davis (1.23)	18-20
Marshall (36.27)	Sinnott (7.78)	20-29
	Tamarac (0.67)	29-30
	Wanger (8.0)	30-40
	Alma (1.92)	40-42
	Foldahl (5.76)	42-50
	Comstock (3.94)	50-54
	Viking (8.19)	54-65
Pennington (19.68)	Numedal (1.24)	65-66
	Norden (5.19)	66-72
	Sanders (3.64)	72-77
	Rocksbury (4.33)	77-82
	River Falls (5.28)	82-89
Red Lake (15.67)	River (0.62)	89
	Emardville (8.29)	89-99
	Garnes (4.89)	99-103

	Lambert (1.86)	103-105
Polk (14.02)	Chester (6.54)	105-111
	Gully (5.19)	111-116
	Eden (2.3)	116-118
Clearwater (45.25)	Pine Lake (6.84)	118-125
	Leon (4.61)	125-129
	Holst (6.11)	129-139
	Copley (6.69)	139-148
	Nora (2.89)	148-152
	Moose Creek (7.79)	152-162
	Bear Creek (6.47)	162-171
	Itasca (3.86)	171-176
Hubbard (44.55)	Lake Hattie (3.02)	176-181
	Lake Alice (6.25)	181-190
	Clover (6.06)	190-199
	Arago (6.1)	199-209
	Todd (6.22)	209-218
	Straight River (11.18)	218-232
	Hubbard (5.73)	232-238
Wadena (7.08)	Shell River (1.06)	238-239
	Huntersville (6.02)	239-245
Cass (47.45)	McKinley (6.07)	245-251
	Bull Moose (6.24)	251-257
	Pine River (6.0)	257-263
	Barclay (3.07)	263-266
Crow Wing (4.82)	Gail Lake (3.76)	266-270
	Timothy (1.06)	270-272
Cass (47.45)	Blind Lake (6.42)	272-278
	Trelipe (6.18)	278-284
	Crooked Lake (6.96)	284-291
	Beulah (6.52)	291-298
Aitkin (34.51)	Northwest Aitkin (3.67)	298-301
	Macville (6.11)	301-307
	Northwest Aitkin (6.07)	307-313
	Verdon (6.29)	313-320
	Cornish (6.19)	320-326
	Northeast Aitkin (6.18)	326-332
St. Louis (20.56)	Halden (6.19)	332-338
	Floodwood (5.59)	338-344
	Fine Lakes (1.76)	344-346
	Arrowhead (7.03)	346-353

Carlton (24.13)	North Carlton (1.16)	353-355
	Perch Lake (7.78)	355-363
	North Carlton (0.70)	363-364
	Twin Lakes (7.31)	364-371
	Silver Brook (7.18)	371-378

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.

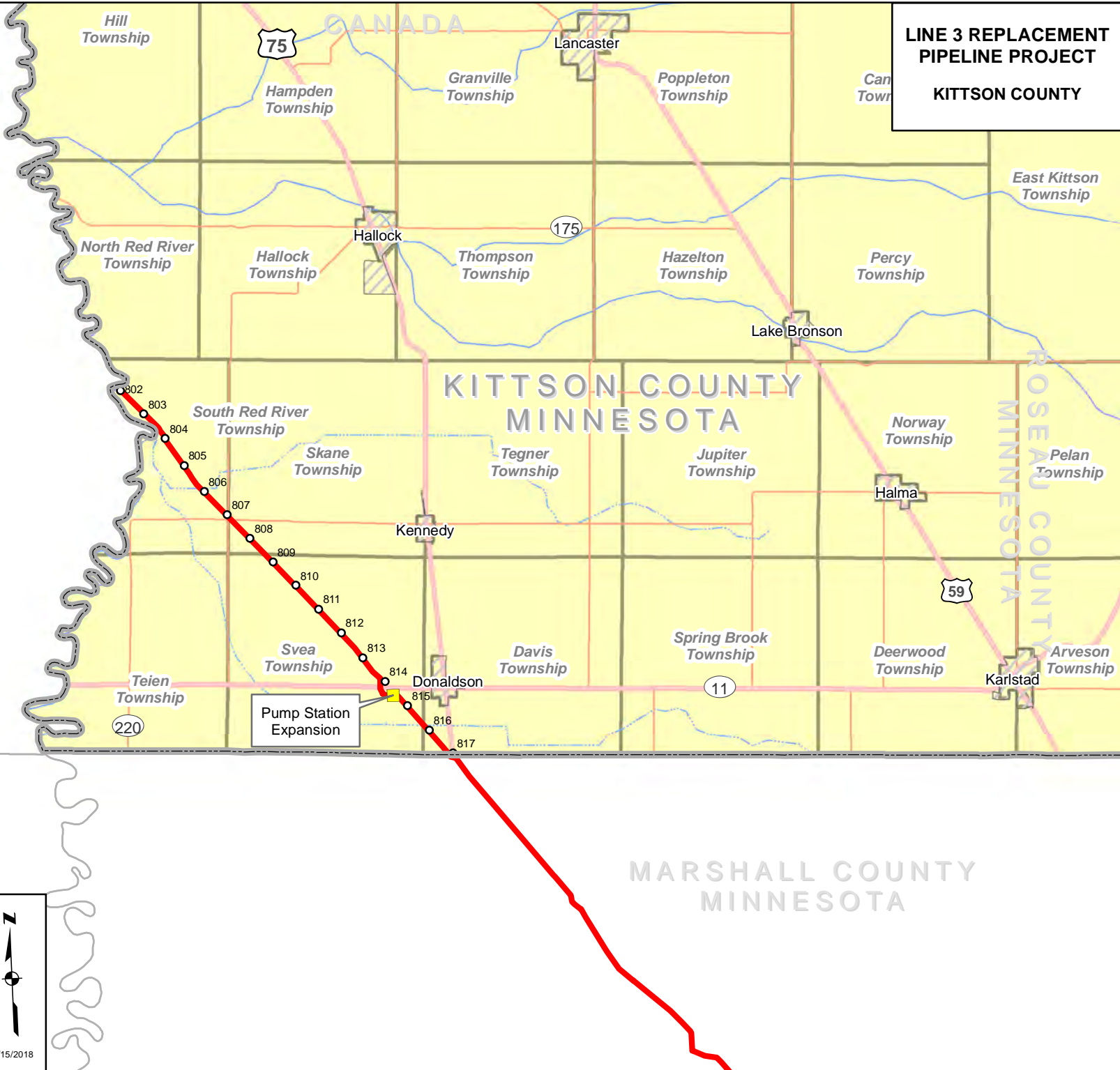
MN Section Boundary: The section line from the Public Land Survey System.

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

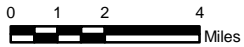
County Boundary: Boundary lines for a county.

**LINE 3 REPLACEMENT
PIPELINE PROJECT
KITTSON COUNTY**

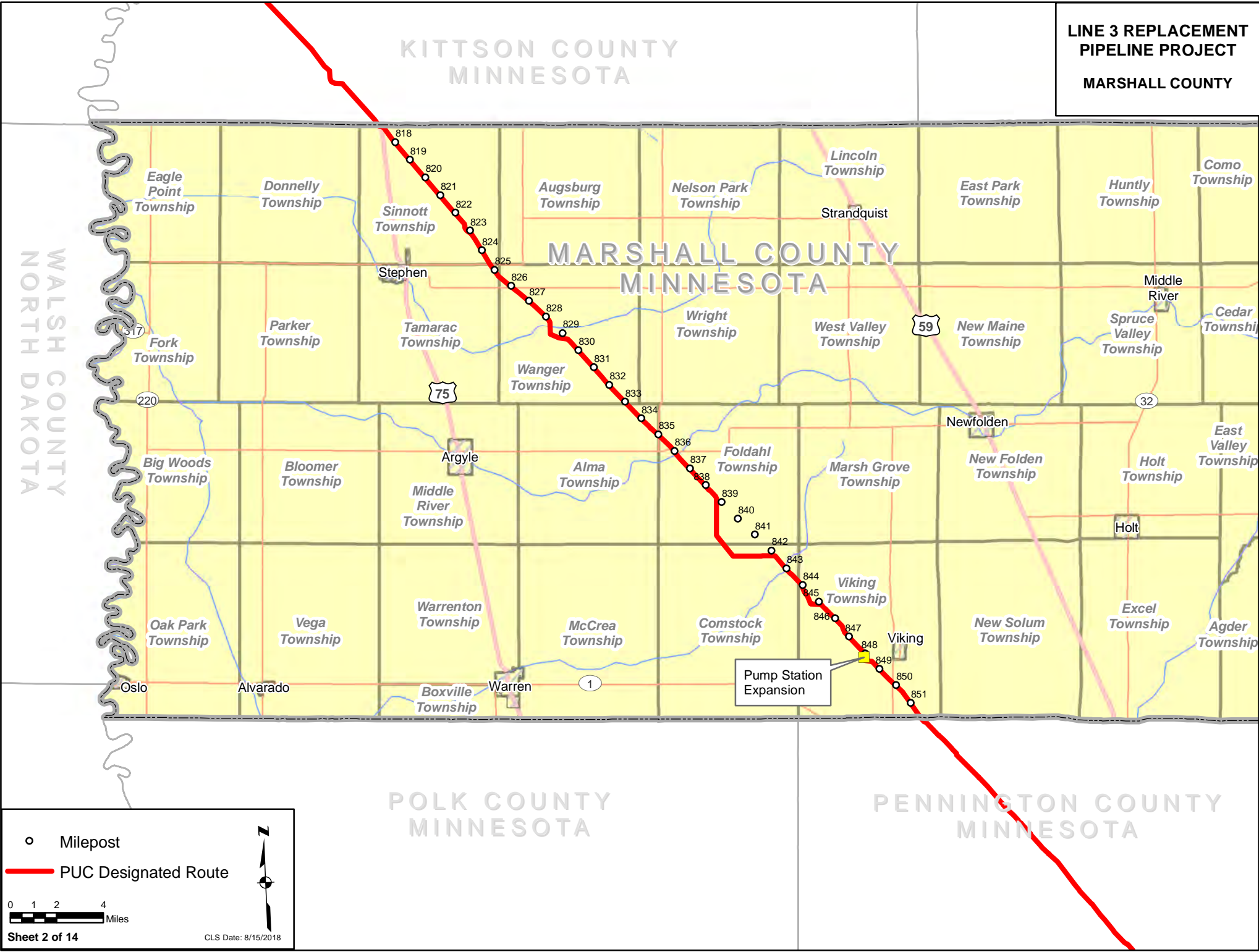
PEMBINA COUNTY
NORTH DAKOTA



○ 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

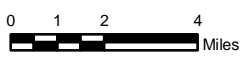
PENNINGTON COUNTY
MINNESOTA

RED LAKE COUNTY
MINNESOTA

POLK COUNTY
MINNESOTA



- Milepost
- PUC Designated Route



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

PENNINGTON COUNTY
MINNESOTA



RED LAKE COUNTY
MINNESOTA

POLK COUNTY
MINNESOTA

○ Milepost
— PUC Designated Route

0 1 2 4
Miles

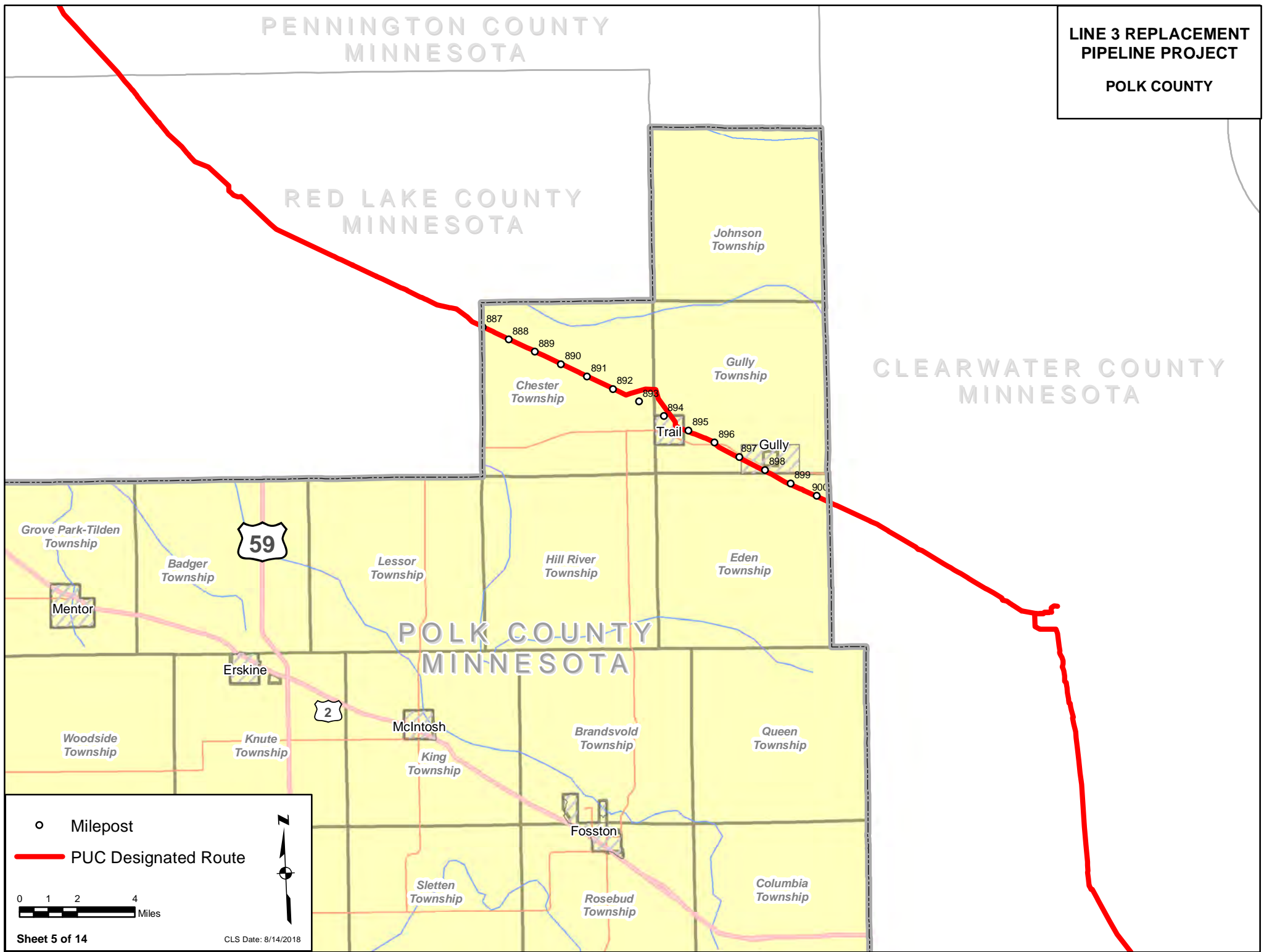
Sheet 4 of 14
CLS Date: 8/15/2018

PENNINGTON COUNTY
MINNESOTA

LINE 3 REPLACEMENT
PIPELINE PROJECT
POLK COUNTY

RED LAKE COUNTY
MINNESOTA

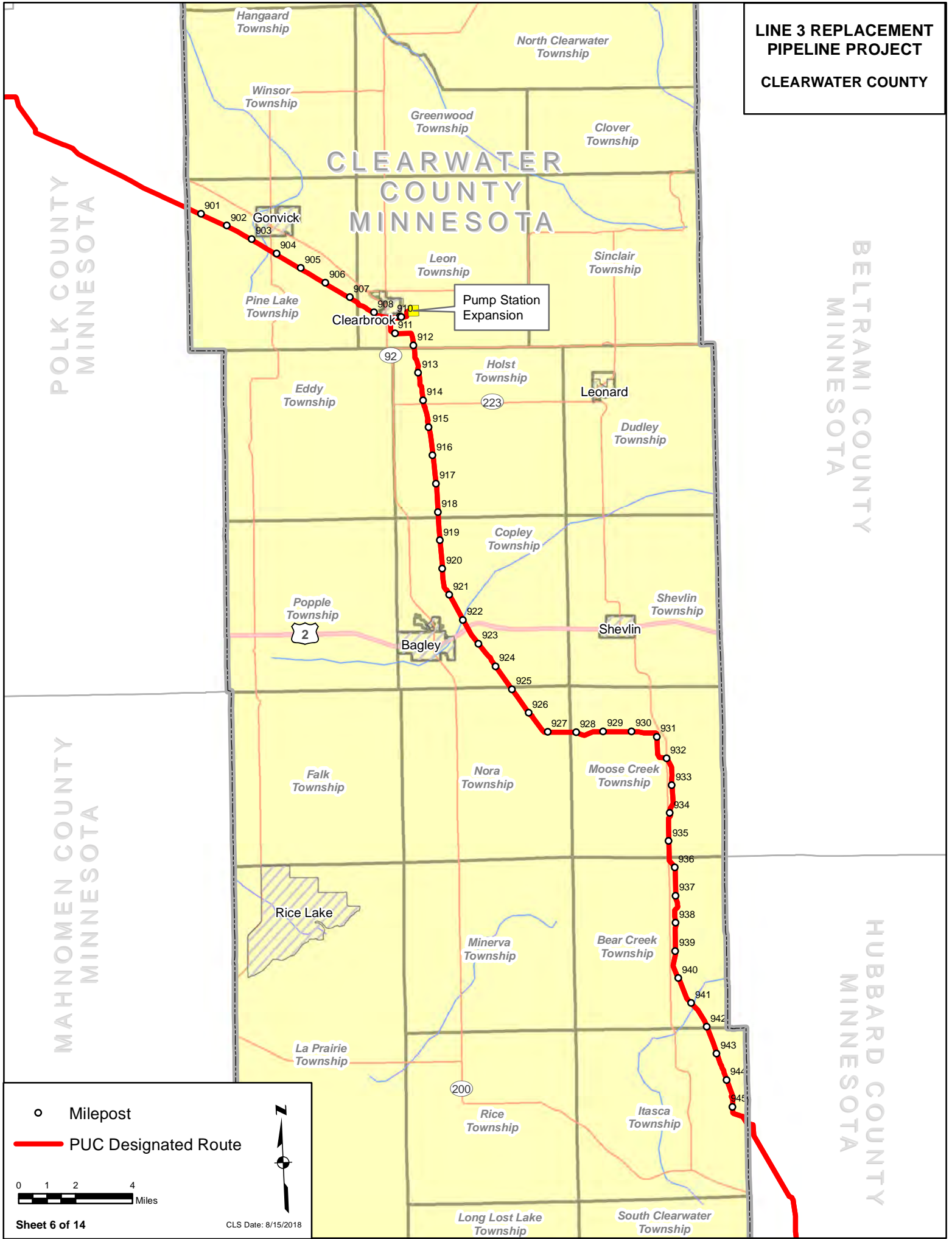
CLEARWATER COUNTY
MINNESOTA



○ Milepost
— PUC Designated Route

0 1 2 4
Miles

**LINE 3 REPLACEMENT
PIPELINE PROJECT
CLEARWATER COUNTY**



POLK COUNTY
MINNESOTA

BELTRAMI COUNTY
MINNESOTA

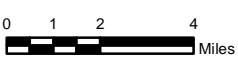
MAHANOMEN COUNTY
MINNESOTA

HUBBARD COUNTY
MINNESOTA

**CLEARWATER
COUNTY
MINNESOTA**

Pump Station
Expansion

○ Milepost
— PUC Designated Route



**LINE 3 REPLACEMENT
PIPELINE PROJECT**
HUBBARD COUNTY

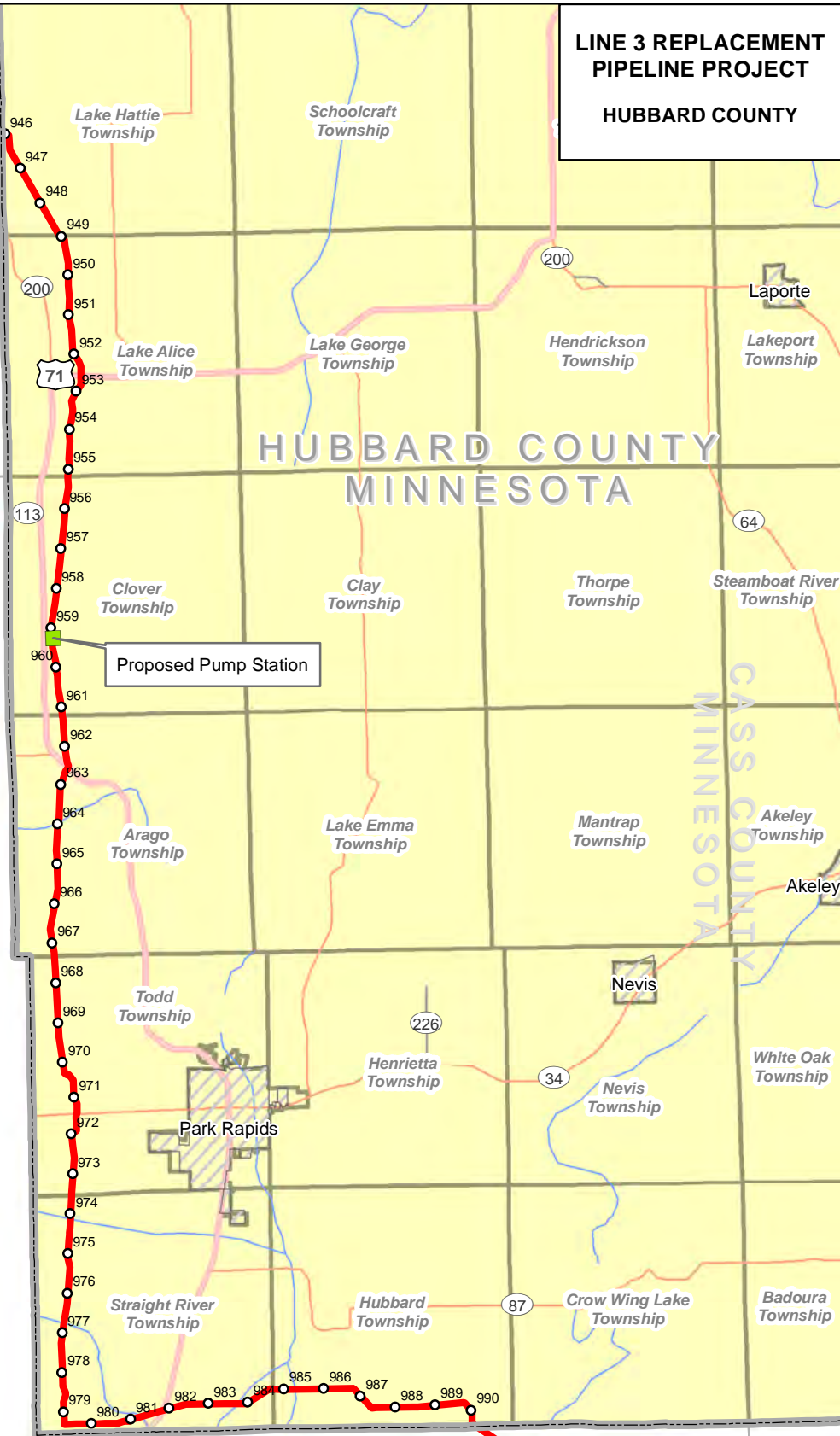
CLEARWATER COUNTY
MINNESOTA

BECKER COUNTY
MINNESOTA

HUBBARD COUNTY
MINNESOTA

CASS COUNTY
MINNESOTA

WADENA COUNTY
MINNESOTA



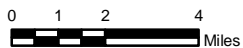
Proposed Pump Station

Park Rapids

Nevis

○ Milepost

— PUC Designated Route



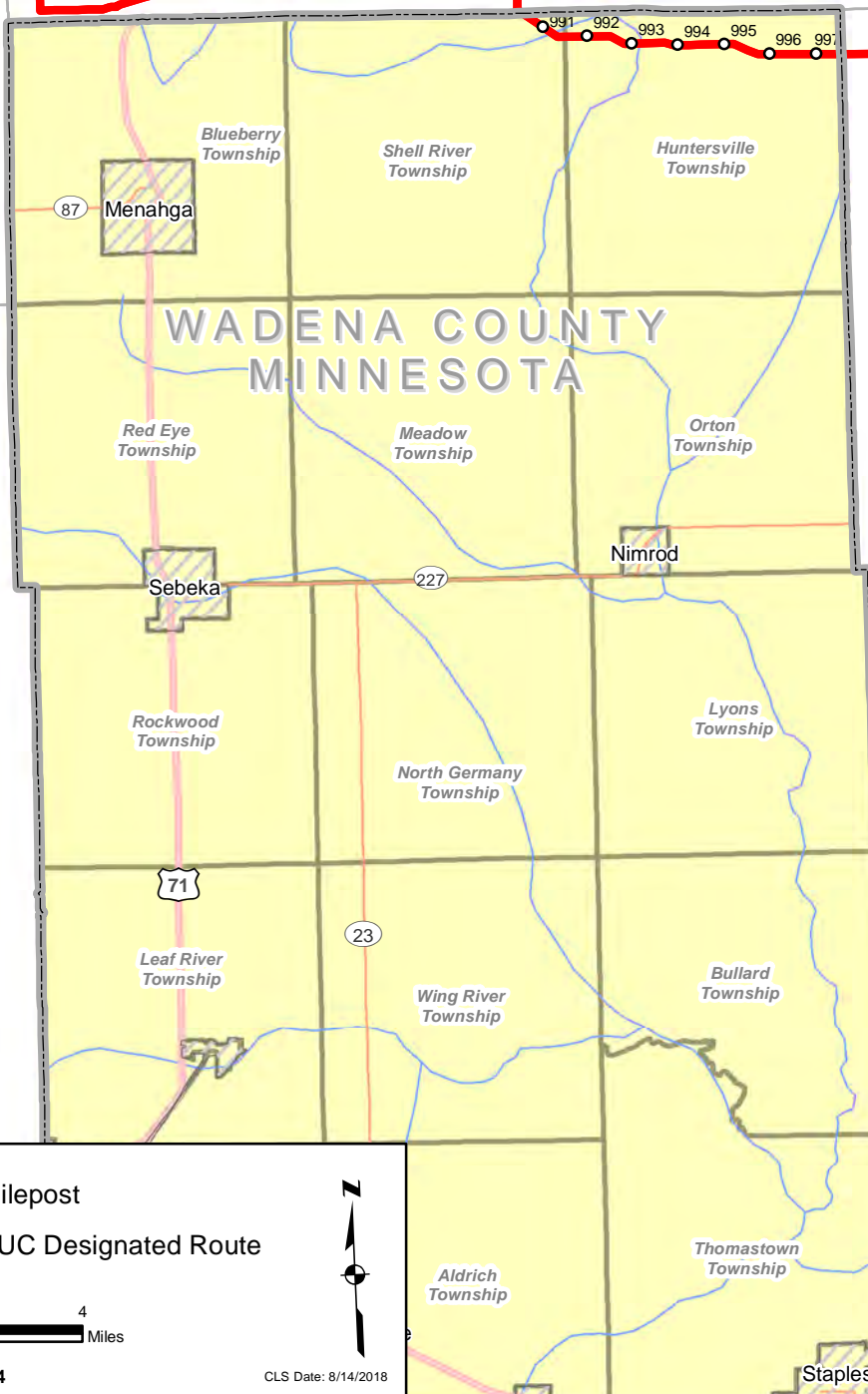
**LINE 3 REPLACEMENT
PIPELINE PROJECT
WADENA COUNTY**

HUBBARD COUNTY
MINNESOTA

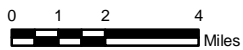
BECKER COUNTY
MINNESOTA

OTTER TAIL COUNTY
MINNESOTA

CASS COUNTY
MINNESOTA



- Milepost
- PUC Designated Route



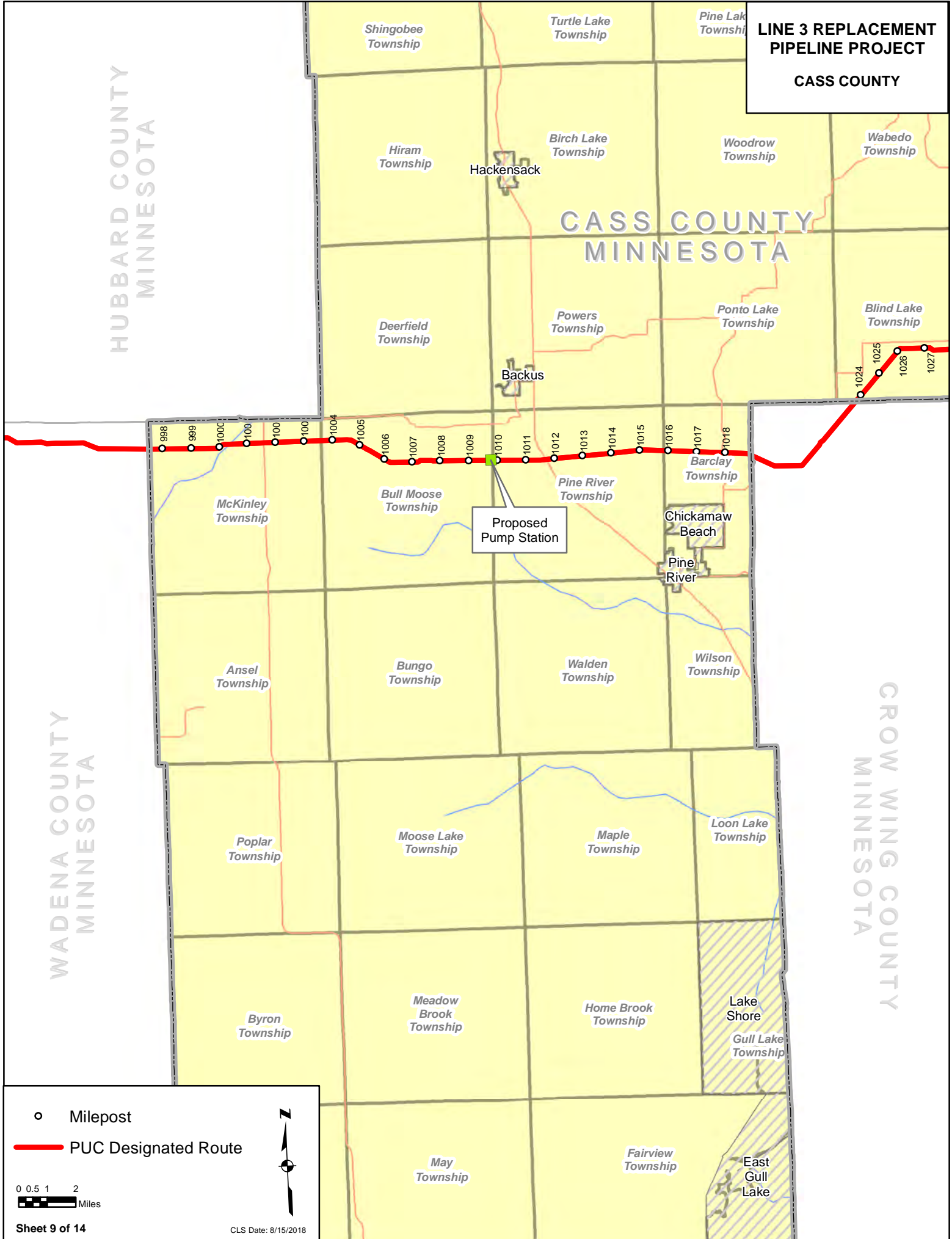
**LINE 3 REPLACEMENT
PIPELINE PROJECT
CASS COUNTY**

HUBBARD COUNTY
MINNESOTA

CASS COUNTY
MINNESOTA

CROW WING COUNTY
MINNESOTA

WADENA COUNTY
MINNESOTA



○ Milepost
 — PUC Designated Route

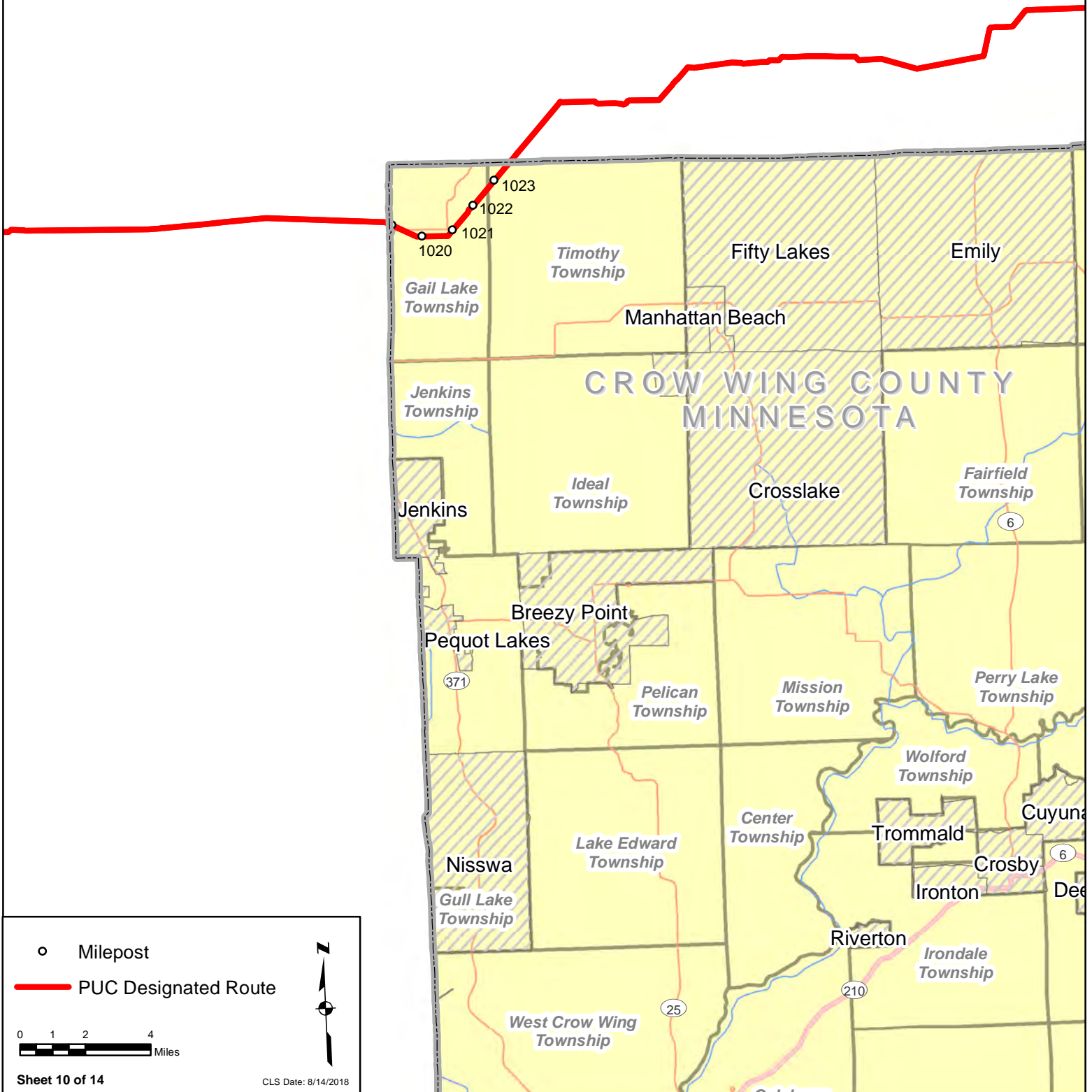
0 0.5 1 2
 Miles

Sheet 9 of 14

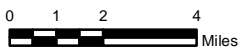
CLS Date: 8/15/2018

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

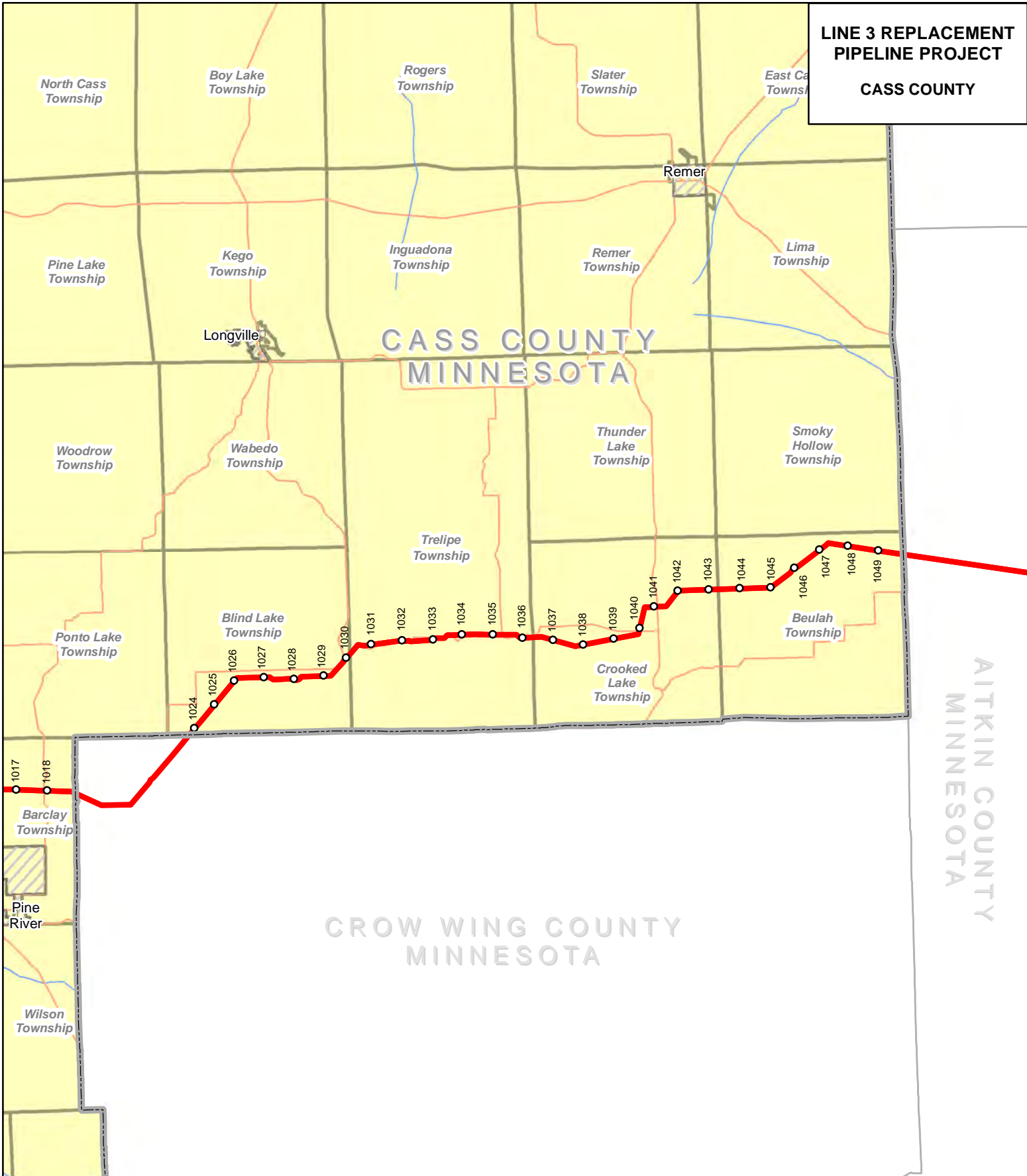
CASS COUNTY
MINNESOTA



- Milepost
- PUC Designated Route



**LINE 3 REPLACEMENT
PIPELINE PROJECT
CASS COUNTY**



○ Milepost
 — PUC Designated Route

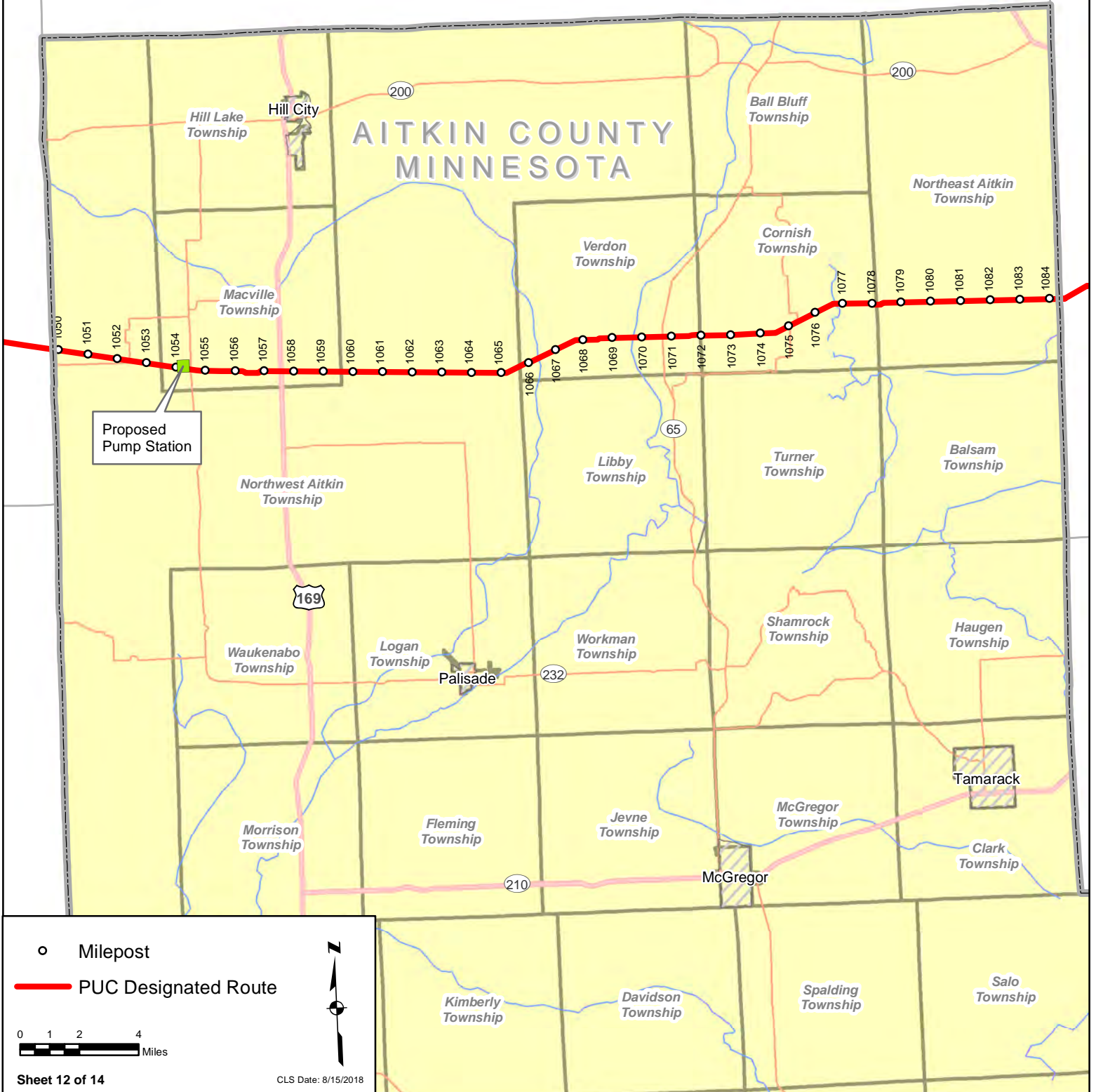
0 1 2 4 Miles

Sheet 11 of 14
 CLS Date: 8/14/2018

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

ITASCA COUNTY
MINNESOTA

AITKIN COUNTY
MINNESOTA



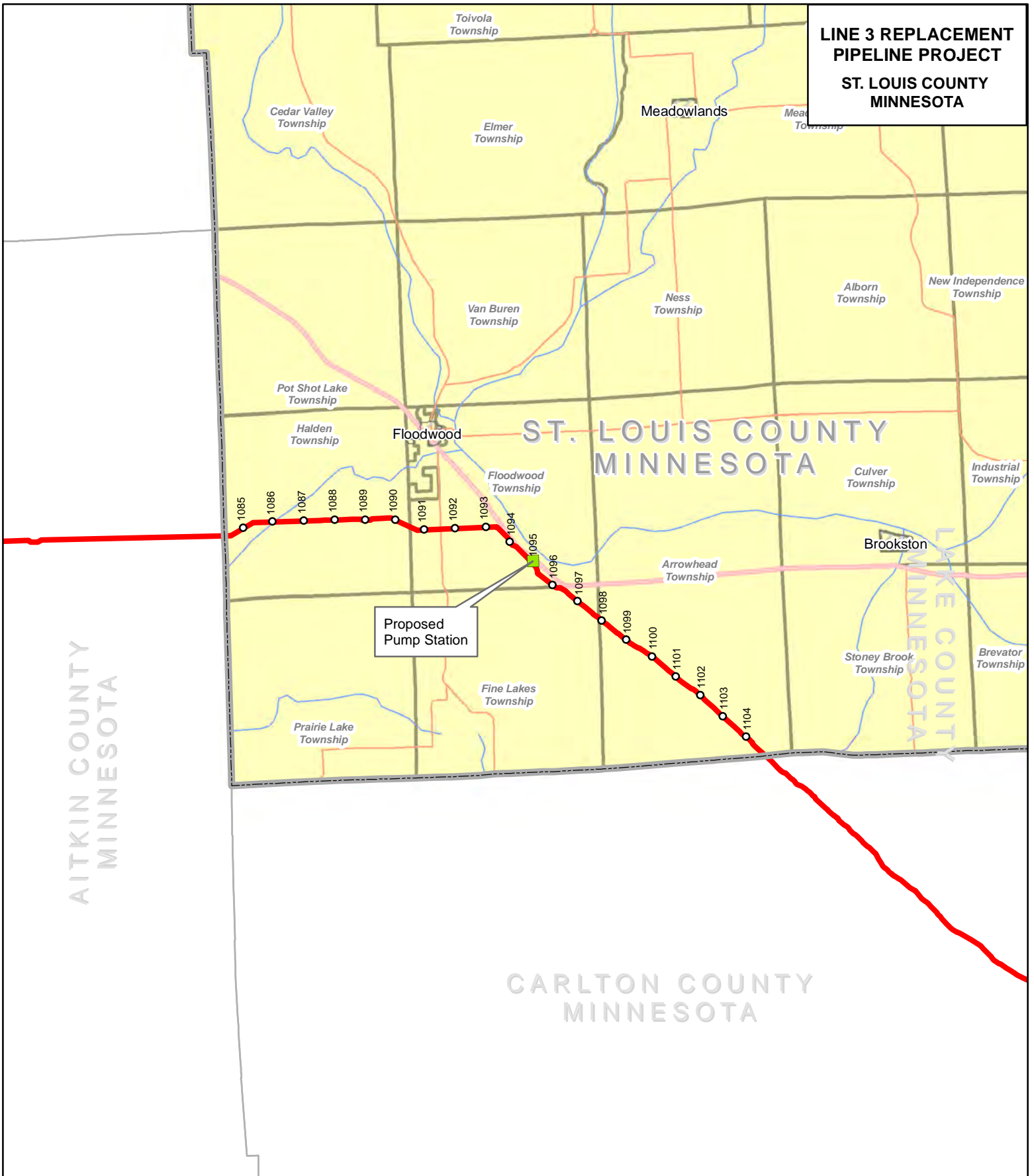
Proposed
Pump Station

○ Milepost
 — PUC Designated Route

0 1 2 4
 Miles

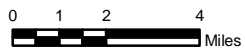
Sheet 12 of 14
 CLS Date: 8/15/2018

**LINE 3 REPLACEMENT
PIPELINE PROJECT
ST. LOUIS COUNTY
MINNESOTA**



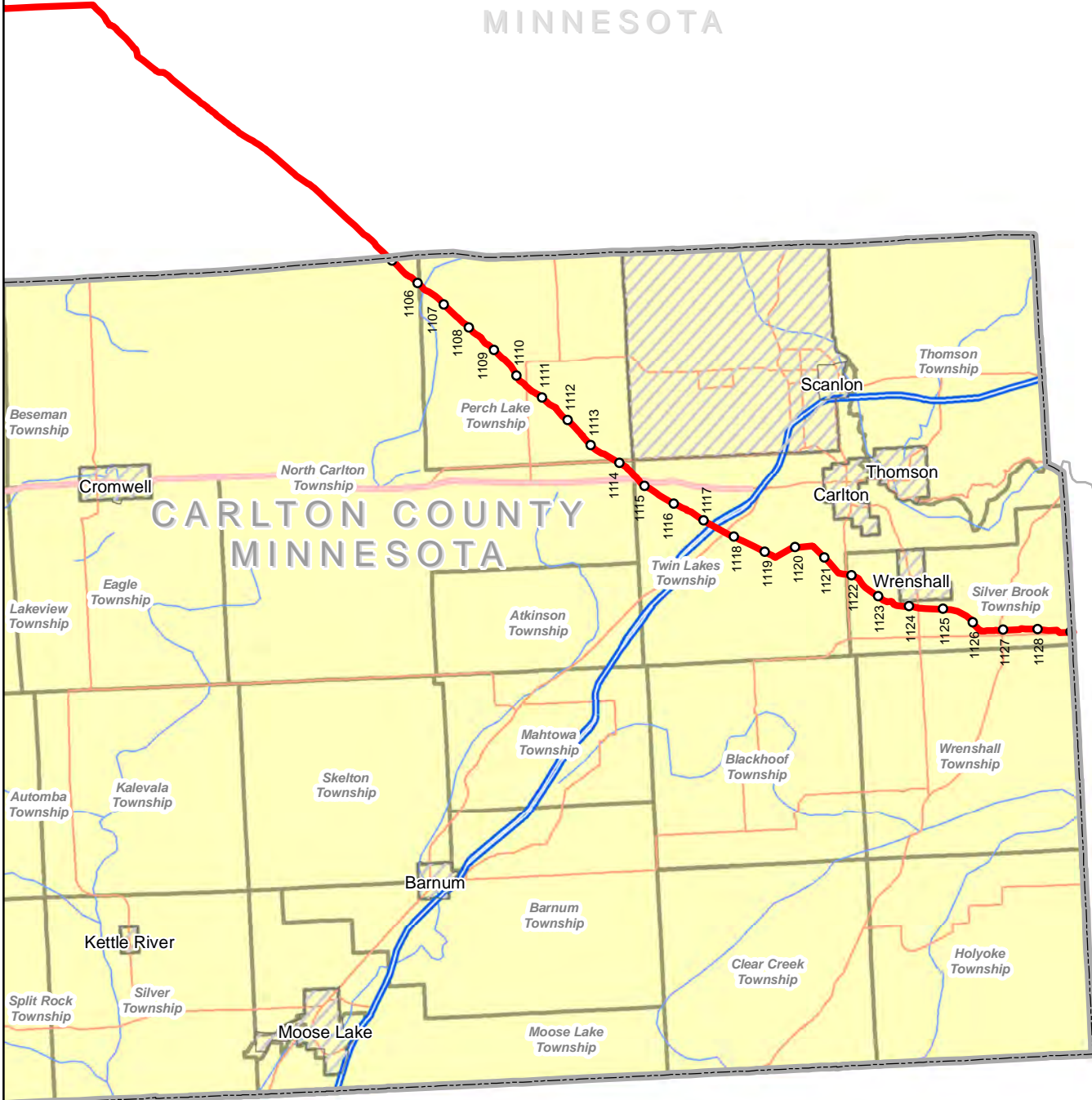
Proposed
Pump Station

- 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-KF-2310030220

Sec 3
 T 160 N
 R 50 W

794

230100400

Sec 10
 T 160 N
 R 50 W

T-1027B

Sec 5
 T 160
 N R 50 W

T-1032C

T-1032C-RV

Sec 4
 T 160 N
 R 50 W

T-1029

802

T-1023

Sec 9
 T 160
 N R 50 W

T-1023-1

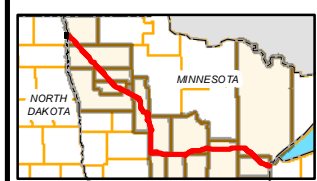
Sec 8
 T 160
 N R 50 W

Pembina County
 Kittson County

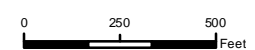
Red River of the North

795

9



- 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

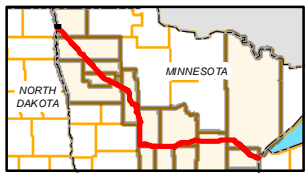
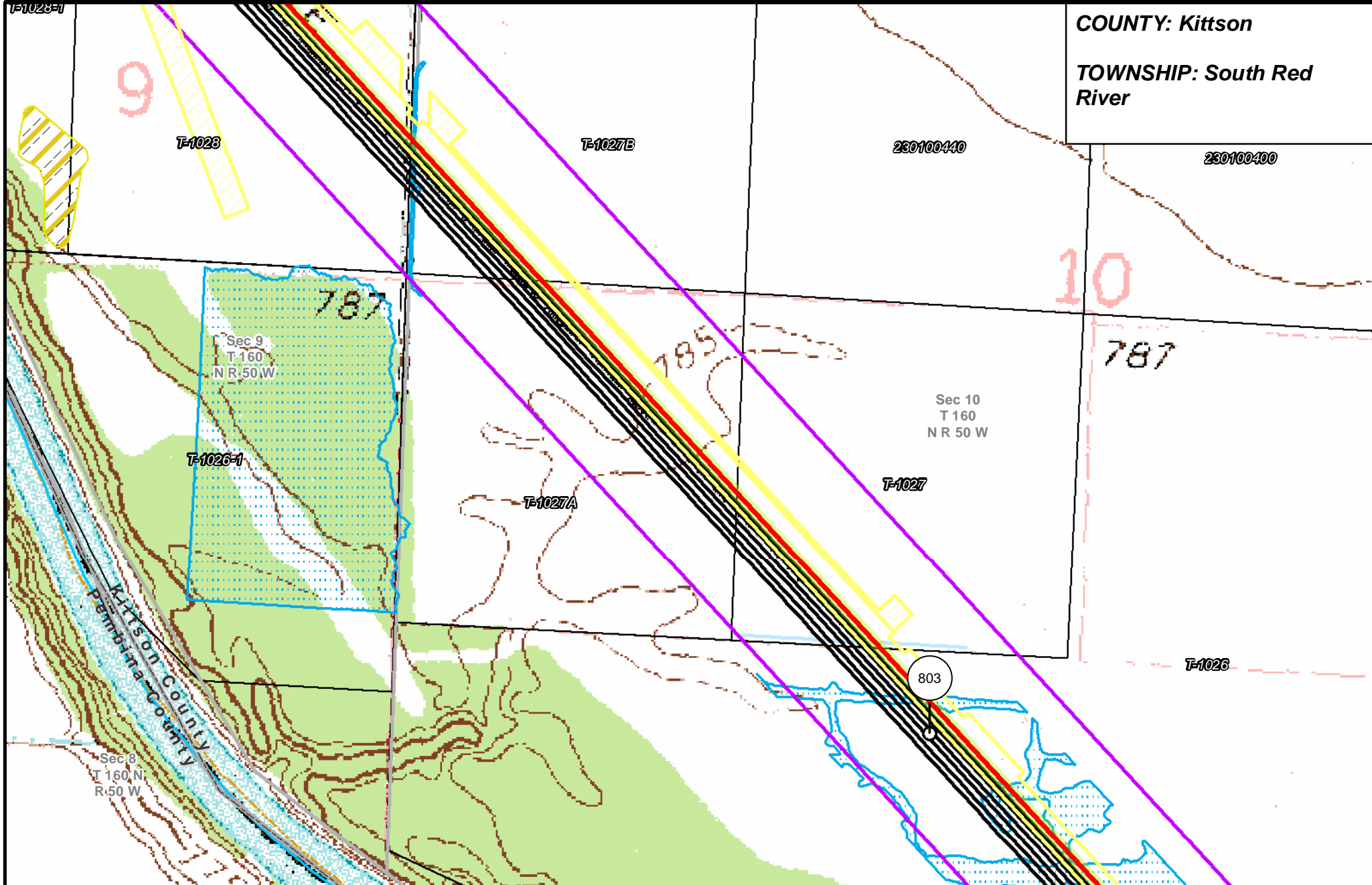


LINE 3 REPLACEMENT PIPELINE ROUTE

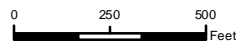
DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
 Map 1 of 378

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

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

Map 2 of 378

COUNTY: Kittson

TOWNSHIP: South Red River

Sec 10
T 160 N
R 50 W

T-1025
Sec 15
T 160
N R 50 W

Sec 16
T 160 N
R 50 W

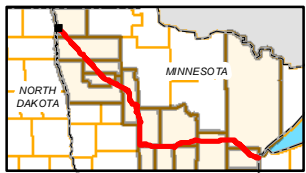
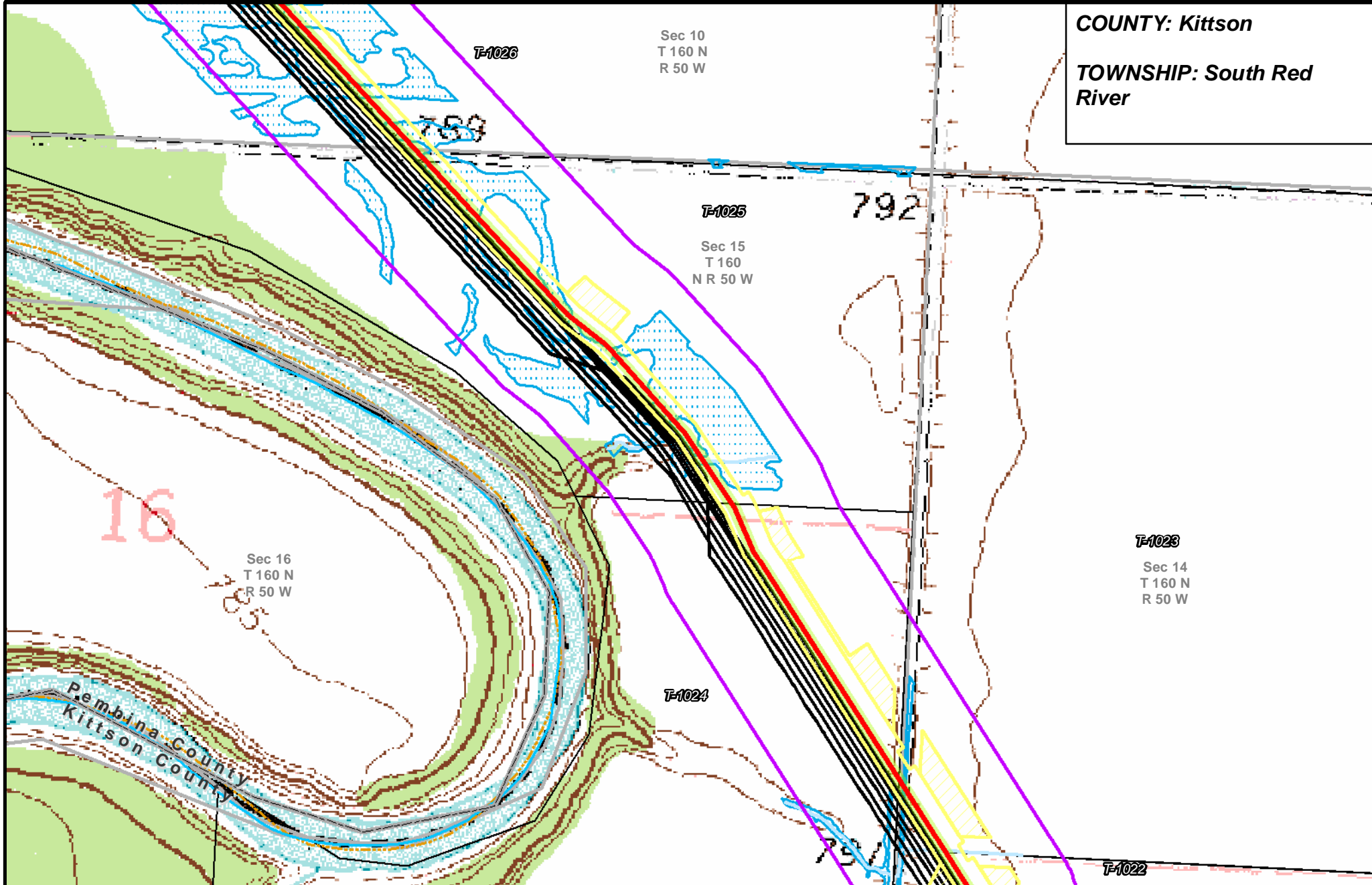
T-1023
Sec 14
T 160 N
R 50 W

T-1024

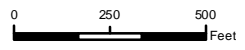
T-1022

16

792



- 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



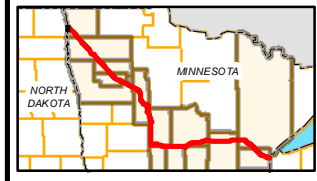
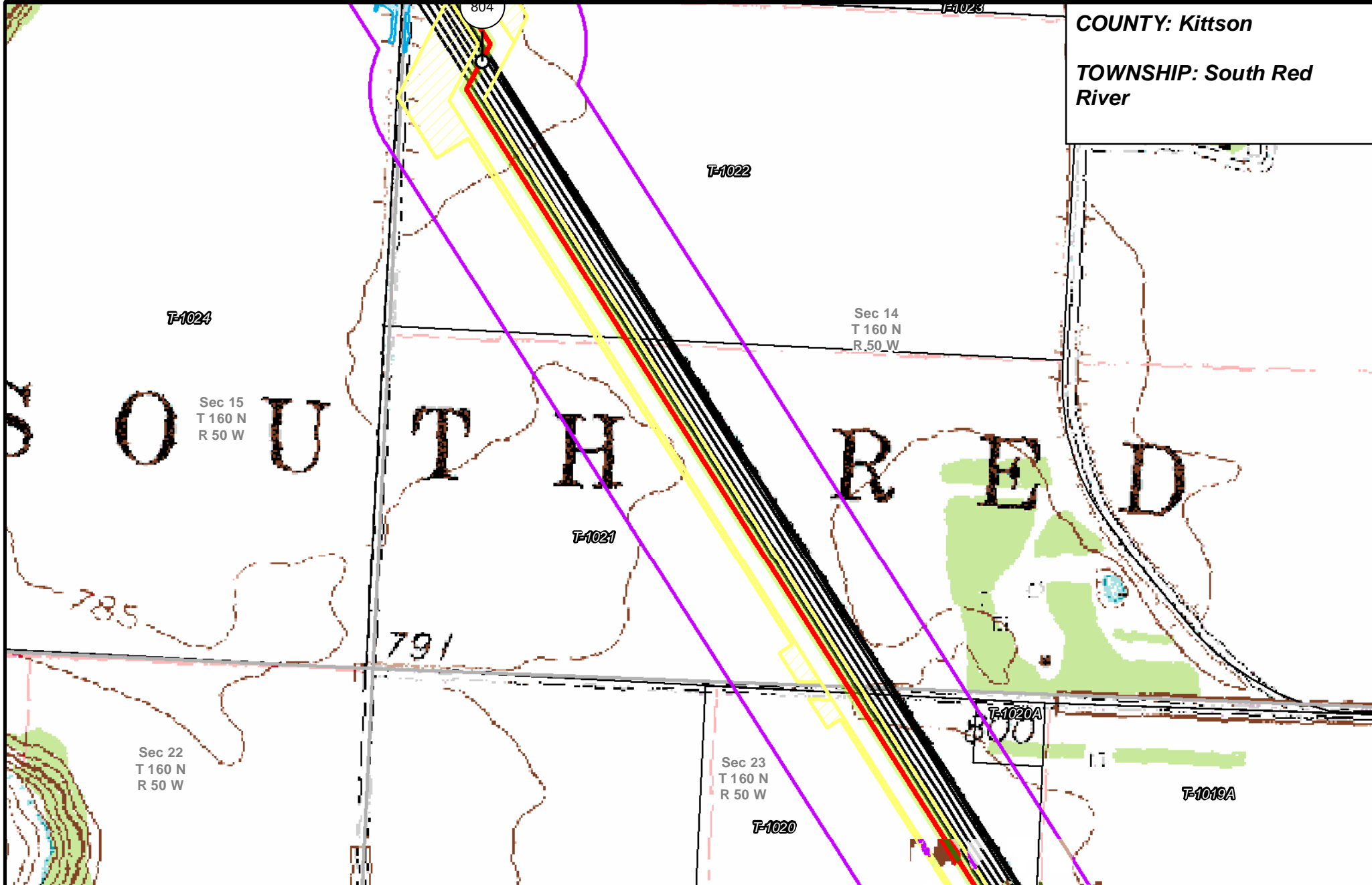
LINE 3 REPLACEMENT PIPELINE ROUTE

DRAWN: MLB CHECKED: --

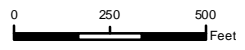
DATE: August 31, 2018 SCALE: 1:5,000

COUNTY: Kittson

TOWNSHIP: South Red River



- 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



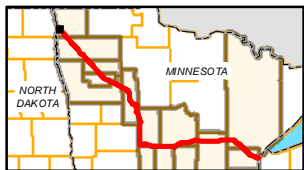
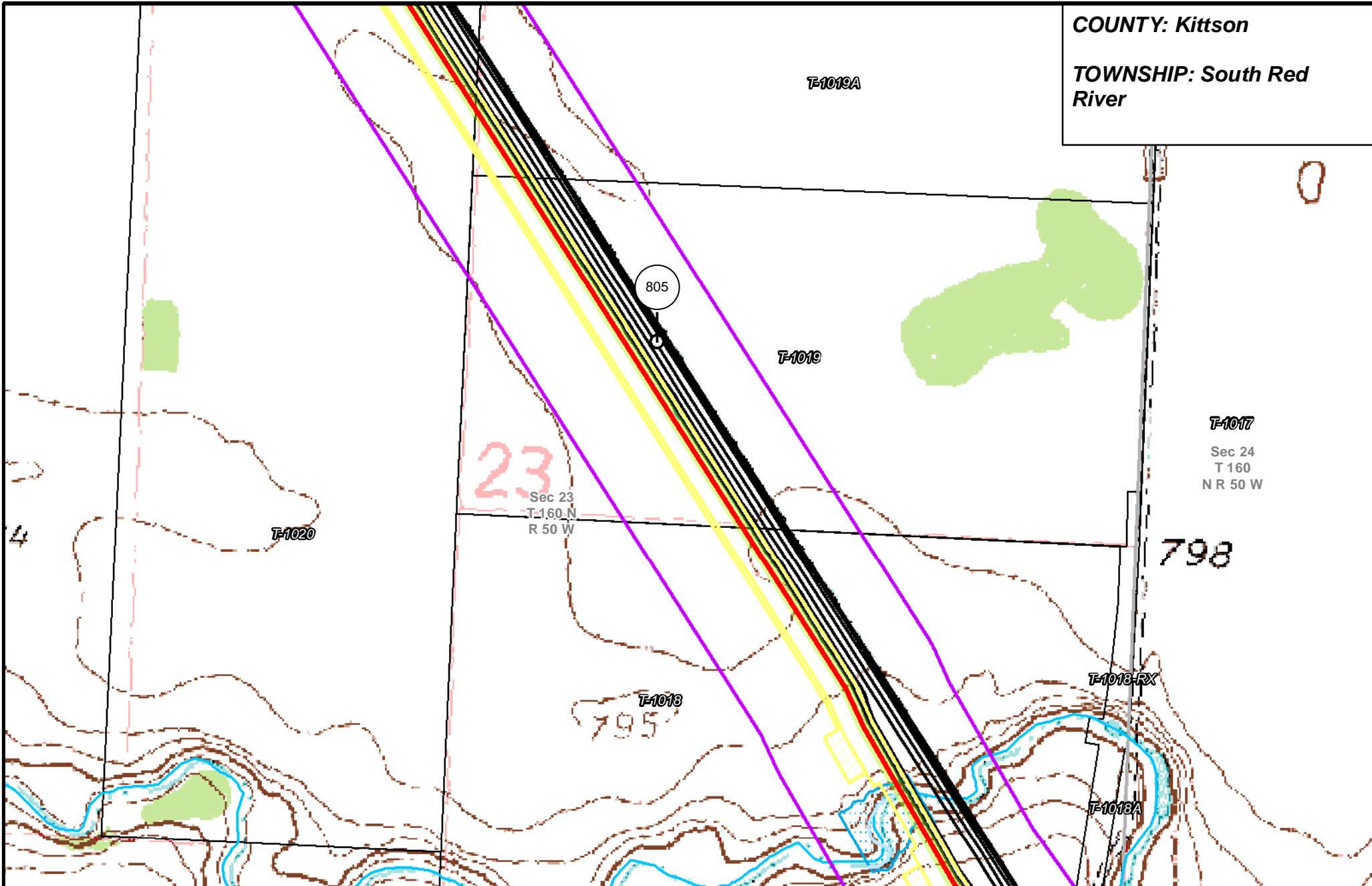
LINE 3 REPLACEMENT PIPELINE ROUTE

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

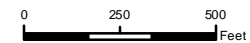
Map 4 of 378

COUNTY: Kittson

TOWNSHIP: South Red River



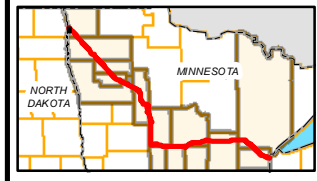
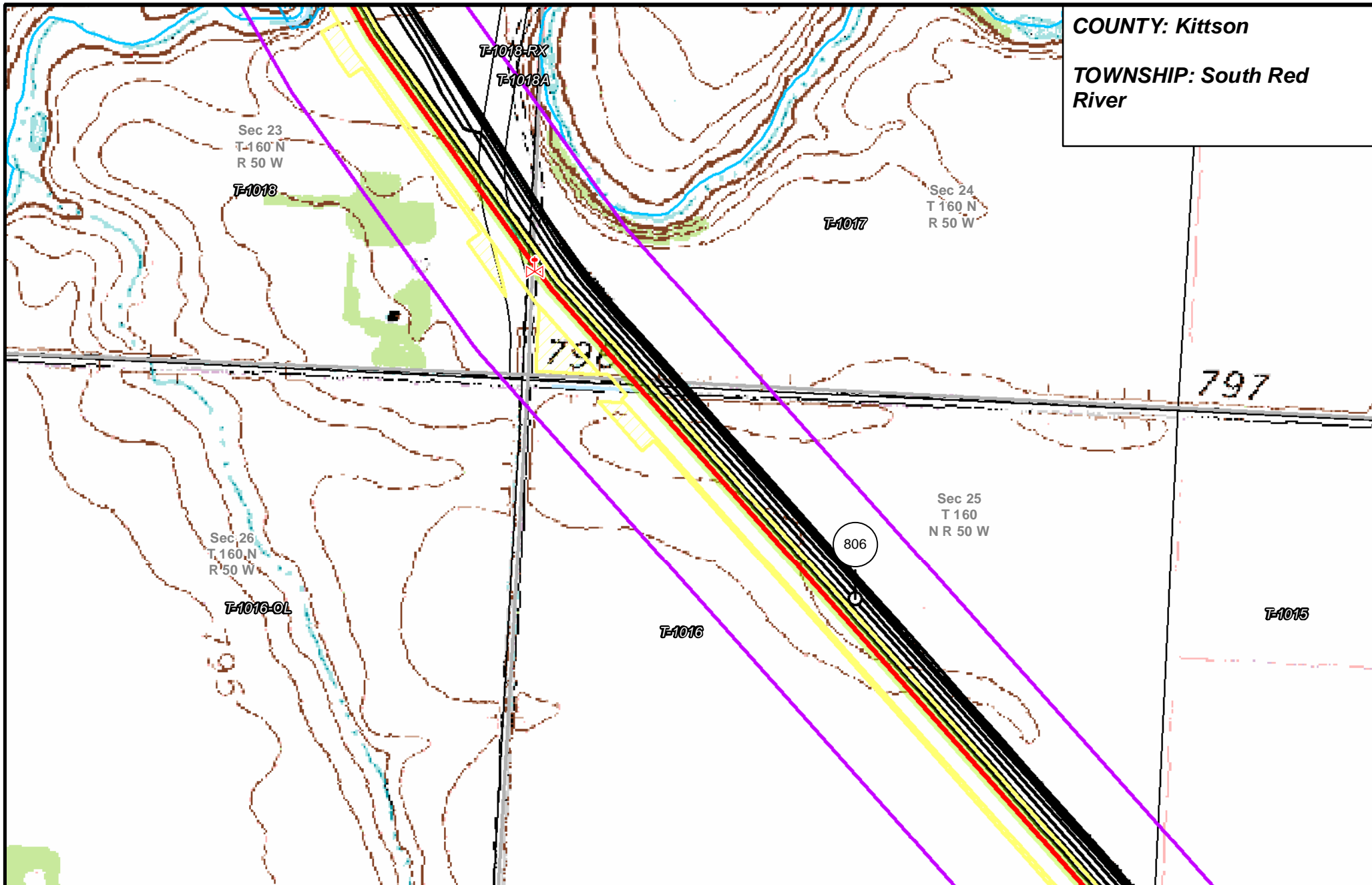
- | | | | |
|-----------------------|--------------------------------|--------------------------------|------------------------|
| PUC Designated Route | Mile Post | Surveyed Waterbodies | Tract Boundary |
| ROW | Temporary Workspace | ESA | MN Section Boundary |
| Line 3R Pipeline | Additional Temporary 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 | |



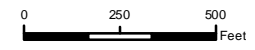
LINE 3 REPLACEMENT PIPELINE ROUTE

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

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

Map 6 of 378

COUNTY: Kittson

TOWNSHIP: Skane & South Red River

T-1016

T-1015

797

803

T-1014-OL

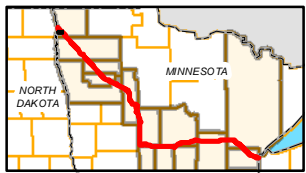
Sec 25
T 160 N
R 50 W

Sec 30
T 160
NR 49 W

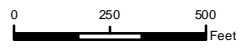
T-1013

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

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

COUNTY: Kittson
TOWNSHIP: Skane

Sec 25
T 160 N
R 50 W
T-1014

Sec 30
T 160 N
R 49 W
807

Sec 36
T 160 N
R 50 W

Sec 31
T 160 N
R 49 W

T-1013

T-1012A

PIPELINE

T-1012

T-1012B

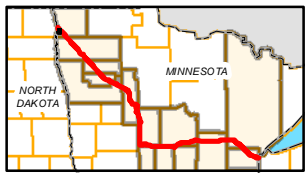
802

798

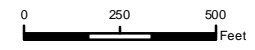
22.0312835

T-1010

T-1011



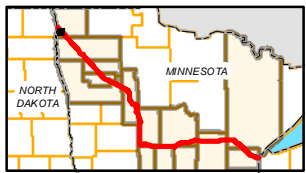
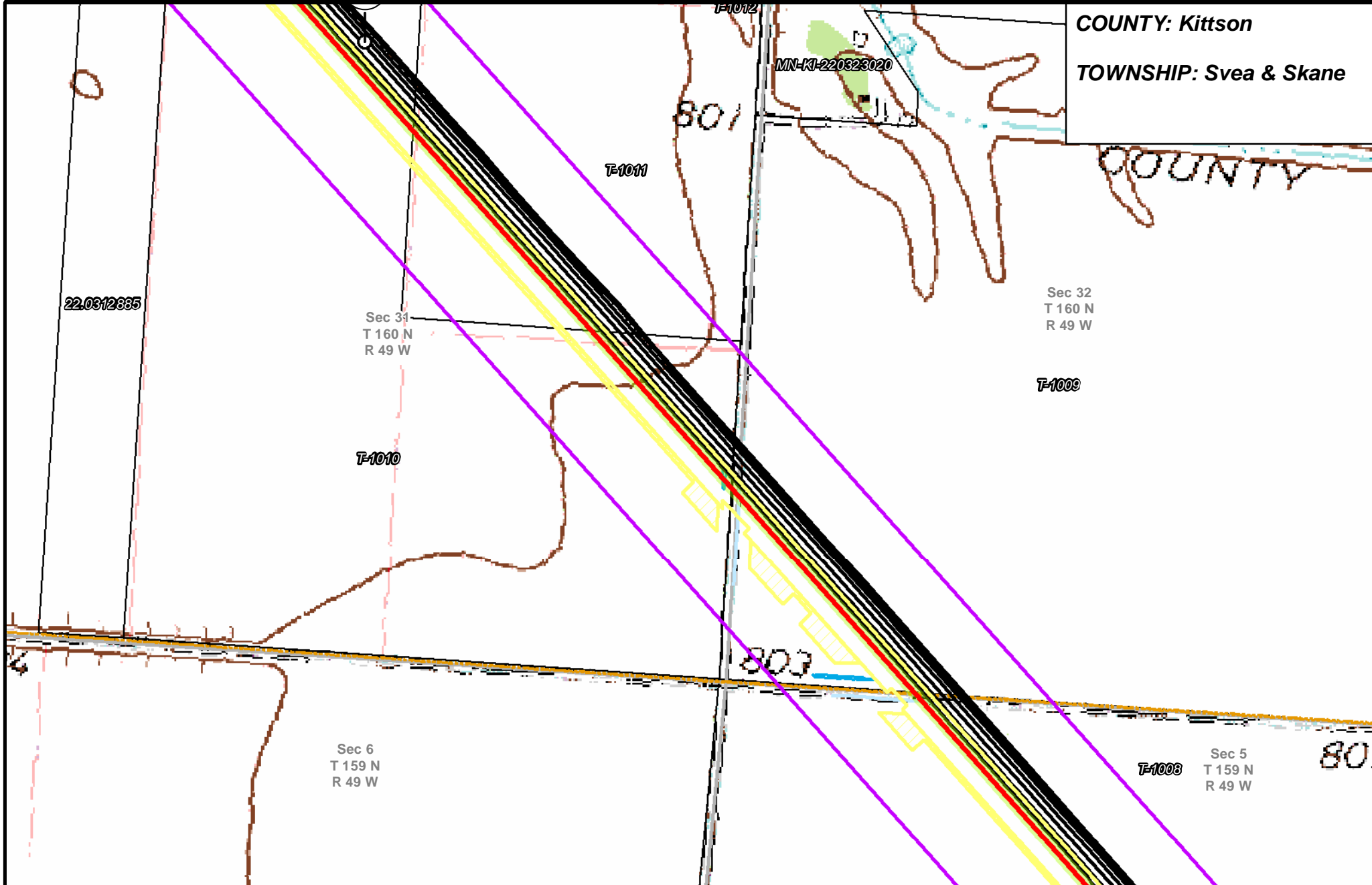
- PUC Designated Route
- Mile Post
- Surveyed Waterbodies
- Tract Boundary
- ROW
- Temporary Workspace
- ESA
- MN Section Boundary
- Line 3R Pipeline
- Additional Temporary Workspace
- Surveyed Wetlands
- Township/City Boundary
- Valve Location
- Existing Enbridge Pipelines
- NWI Wetlands
- County Boundary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



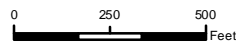
LINE 3 REPLACEMENT
PIPELINE ROUTE

DRAWN: MLB CHECKED: --
DATE: August 31, 2018 SCALE: 1:5,000
Map 8 of 378

COUNTY: Kittson
 TOWNSHIP: Svea & Skane



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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

MN-KI-270050360

MN-KI-270050340

809

T-1008

A

Sec 5
T 159 N
R 49 W

5

5

Sec 4
T-159
N.R. 49 W

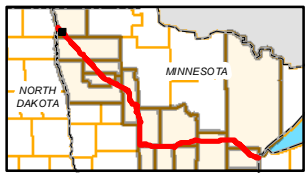
T-1007

PIPELINE

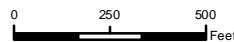
5

T-1006

805



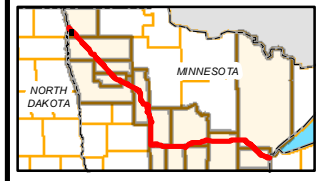
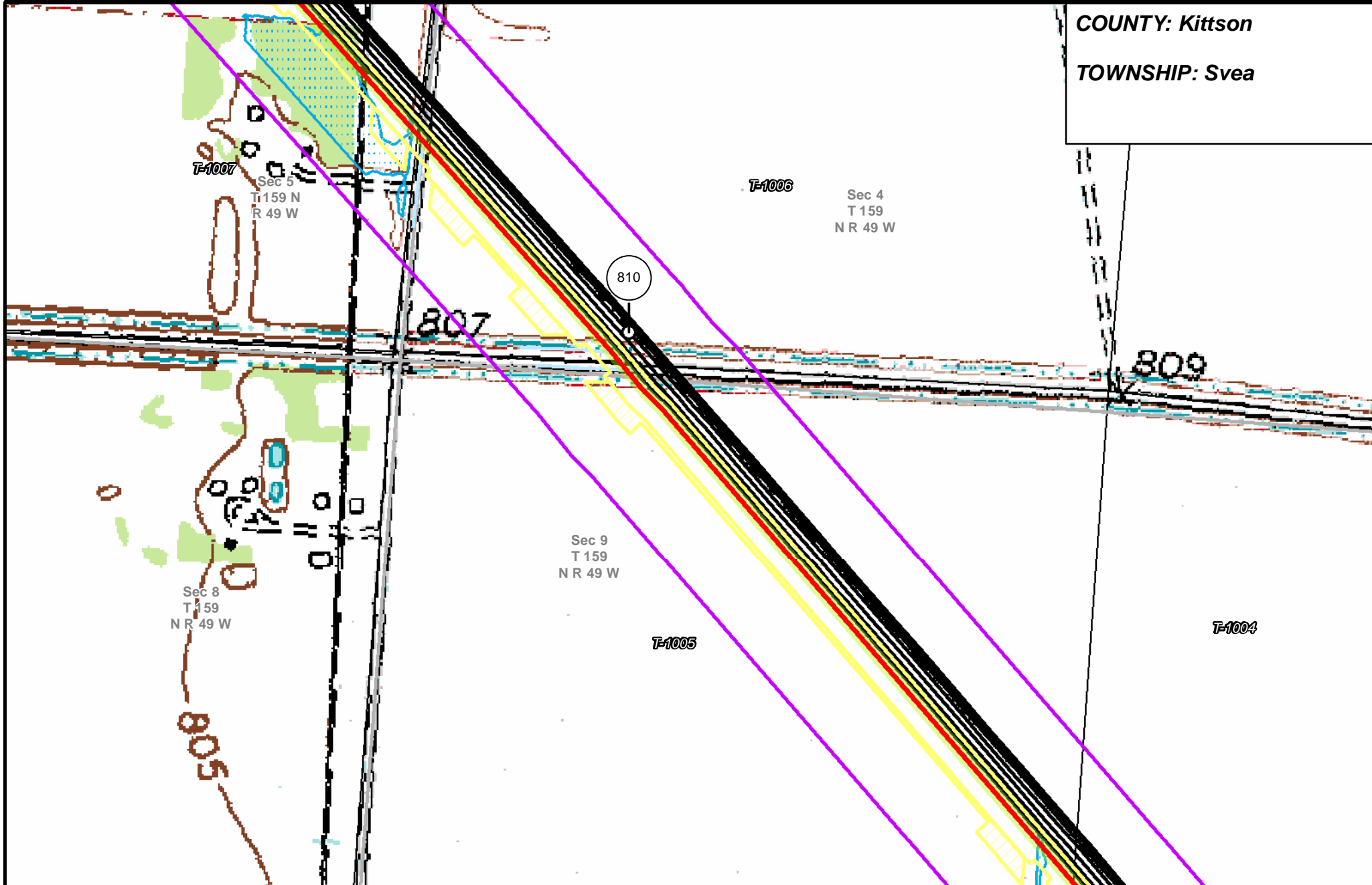
- PUC Designated Route
- ROW
- Line 3R Pipeline
- Valve Location
- Enbridge Pump Station
- Mile Post
- Temporary Workspace
- Additional Temporary Workspace
- Existing Enbridge Pipelines
- Existing Electric Transmission
- Existing Third Party Pipelines
- Surveyed Waterbodies
- ESA
- Surveyed Wetlands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



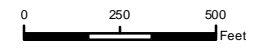
LINE 3 REPLACEMENT PIPELINE ROUTE

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



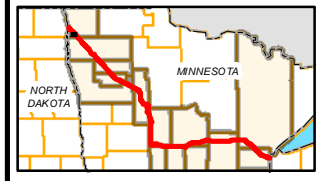
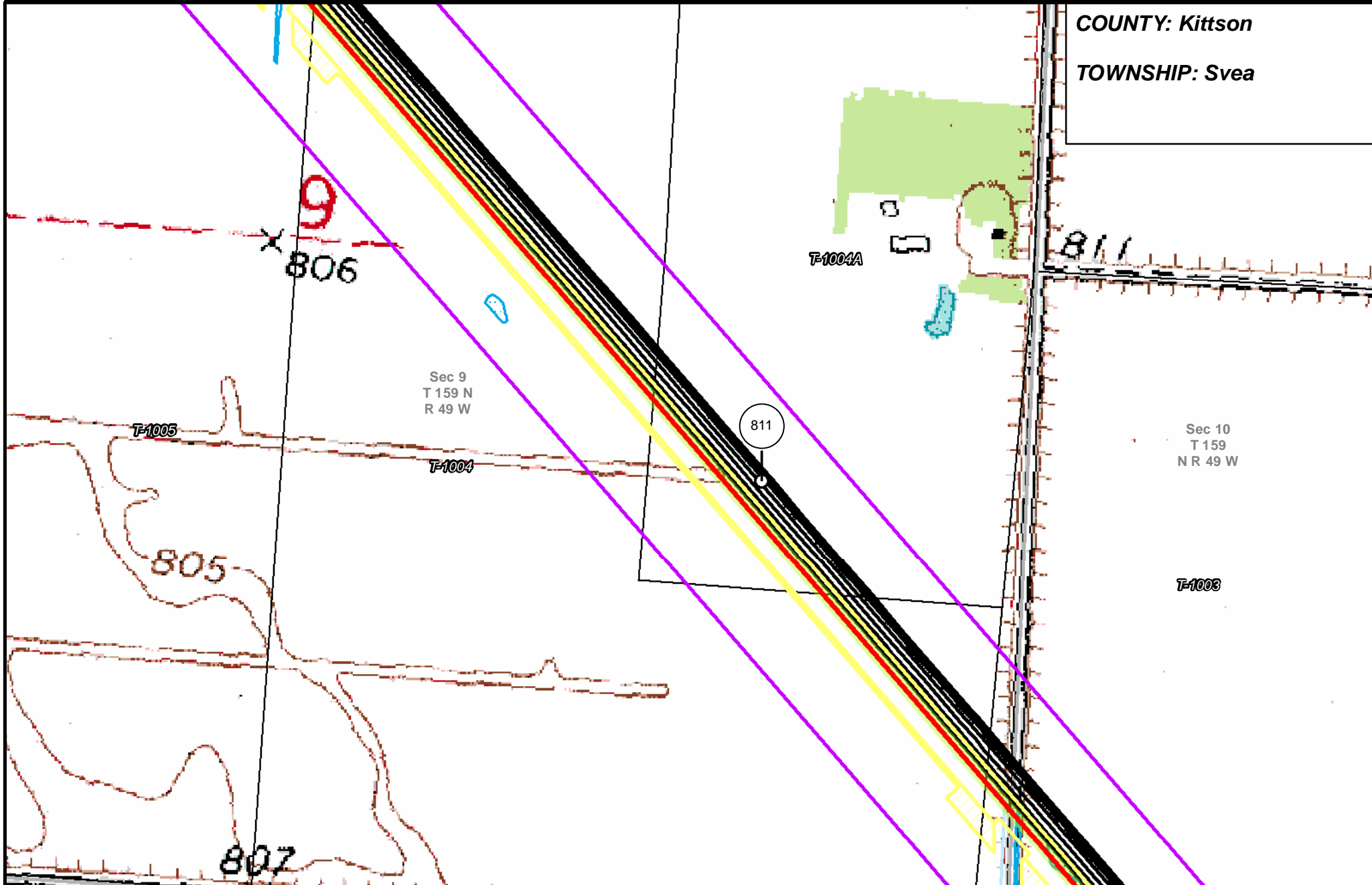
LINE 3 REPLACEMENT PIPELINE ROUTE

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

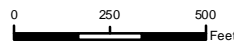
Map 11 of 378

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

Map 12 of 378

Sec 9
T 159 N
R 49 W

T-1004

810

T-1003

Sec 10
T 159 N
R 49 W

COUNTY: Kittson

TOWNSHIP: Svea

811

805

Sec 16
T 159 N
R 49 W

T-1002-A

Sec 15
T 159 N
R 49 W

T-1002C

PIPELINE

812

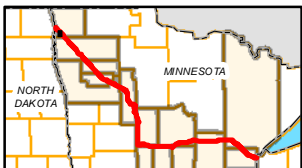
810

15

806

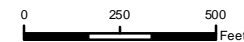
T-1002B

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

○ Mile Post

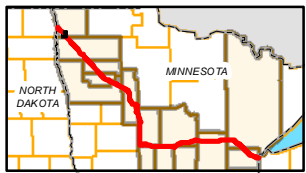
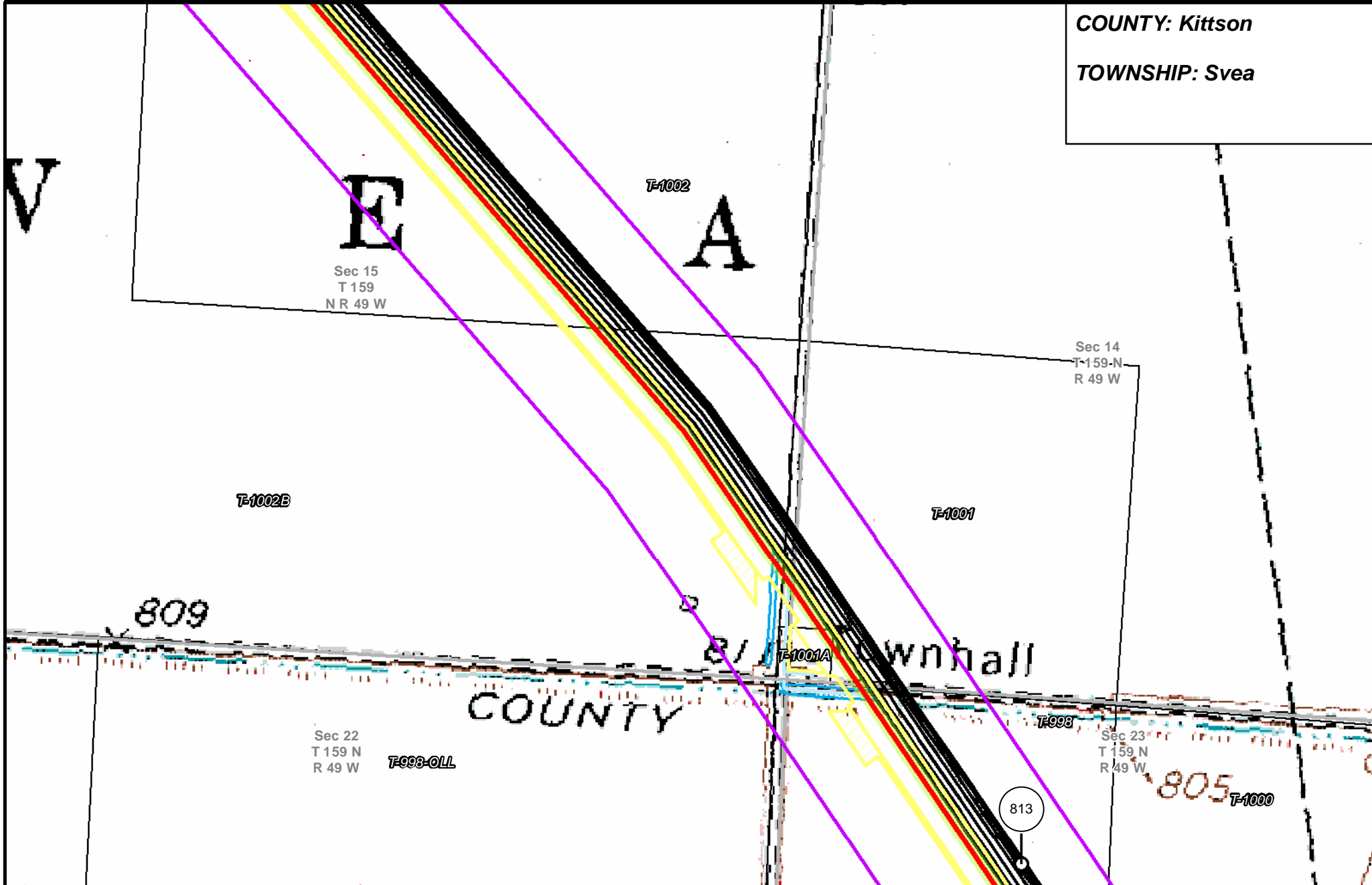


LINE 3 REPLACEMENT PIPELINE ROUTE

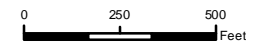
DRAWN: MLB CHECKED: --

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

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

Map 14 of 378

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

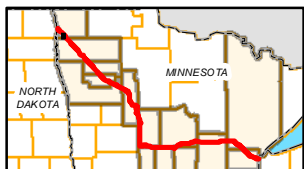
813

23

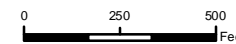
T-998

811

T-998A



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 | | |

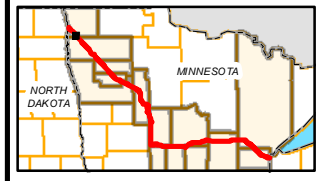
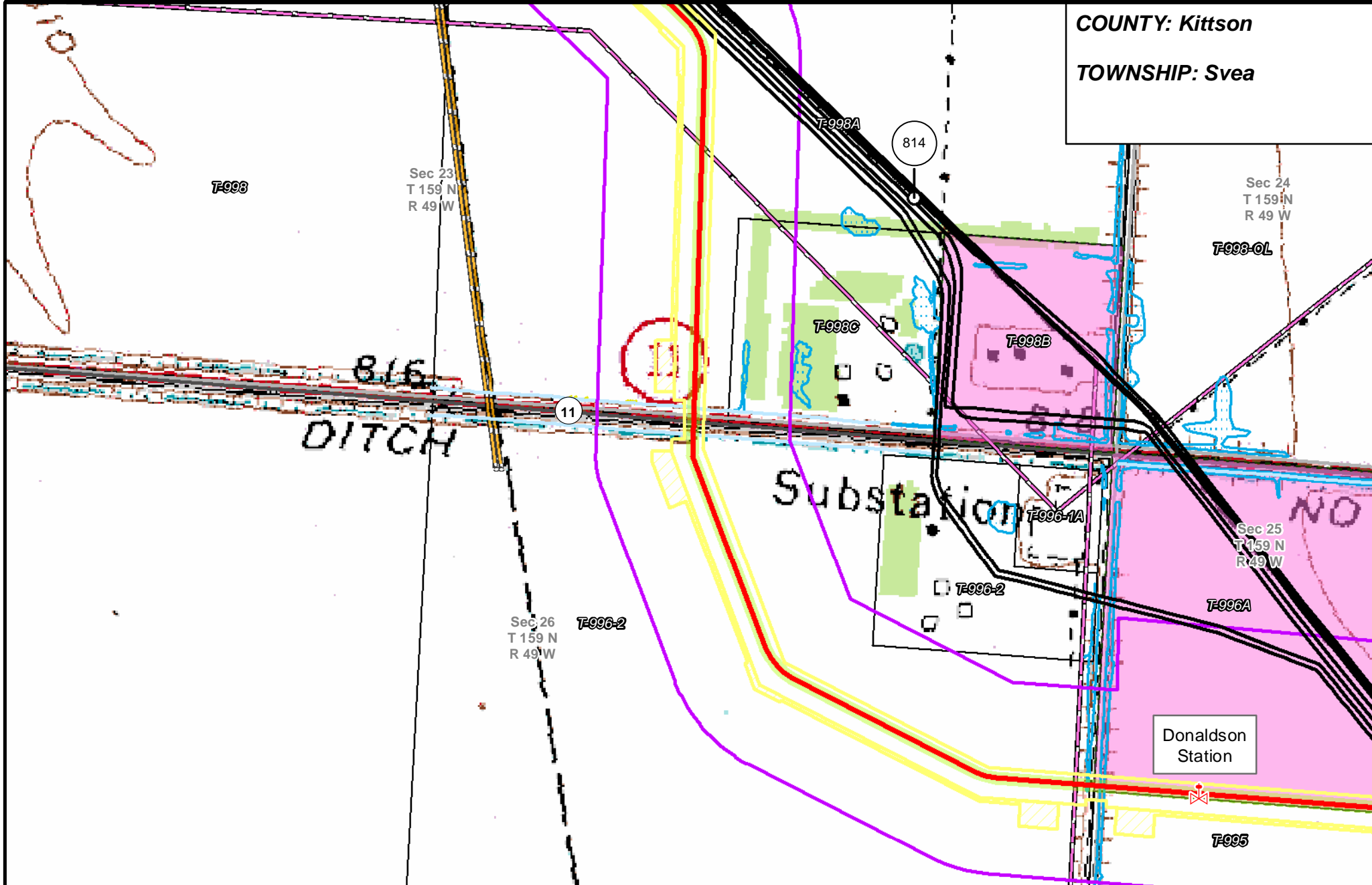


LINE 3 REPLACEMENT PIPELINE ROUTE

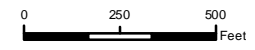
DRAWN: MLB CHECKED: --

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

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 | | |

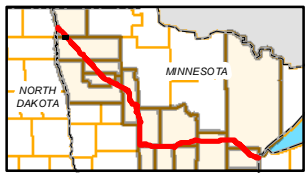
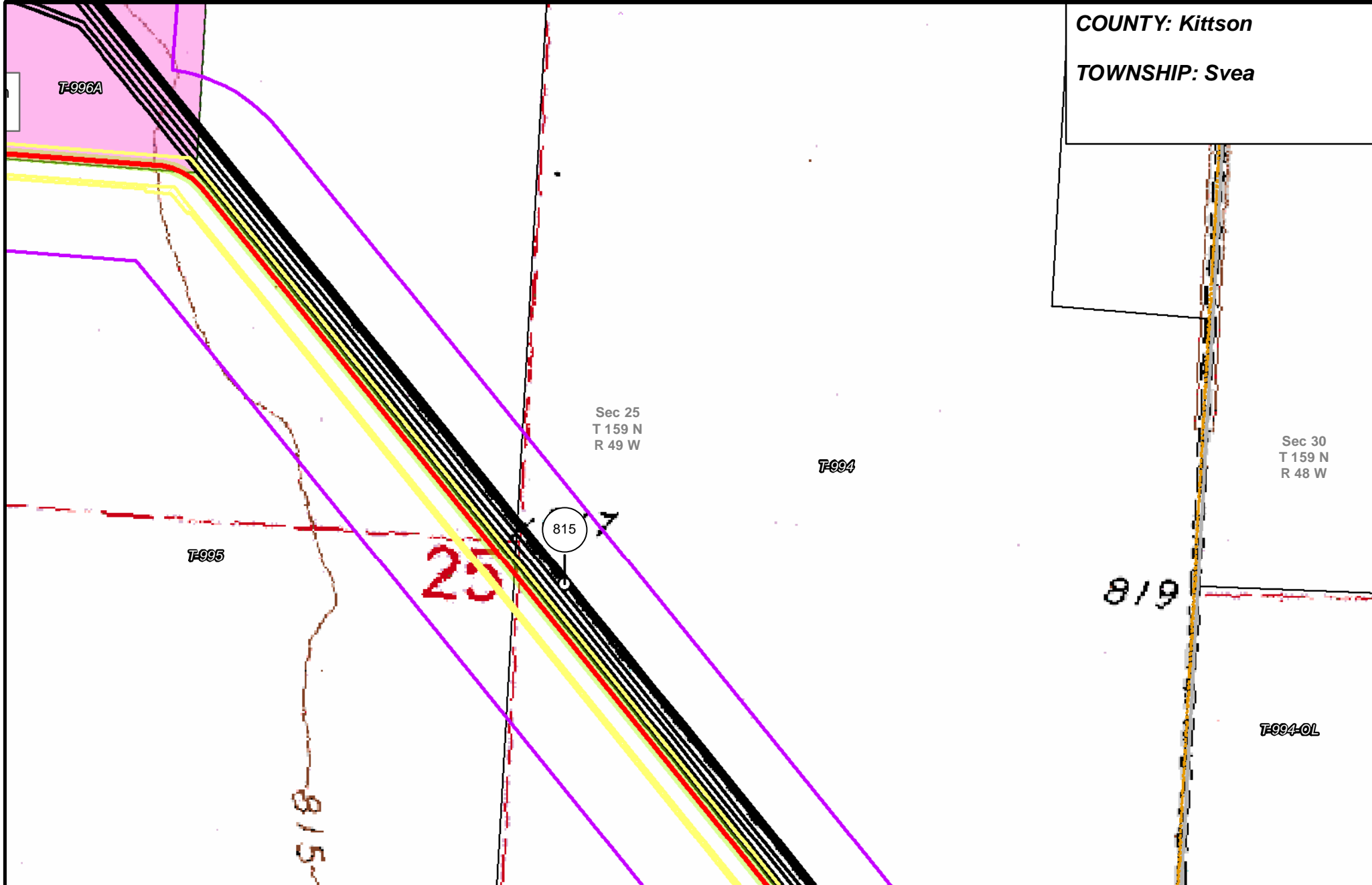


LINE 3 REPLACEMENT PIPELINE ROUTE

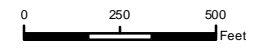
DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000

Map 16 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 | | |

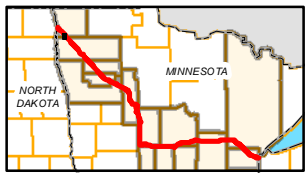
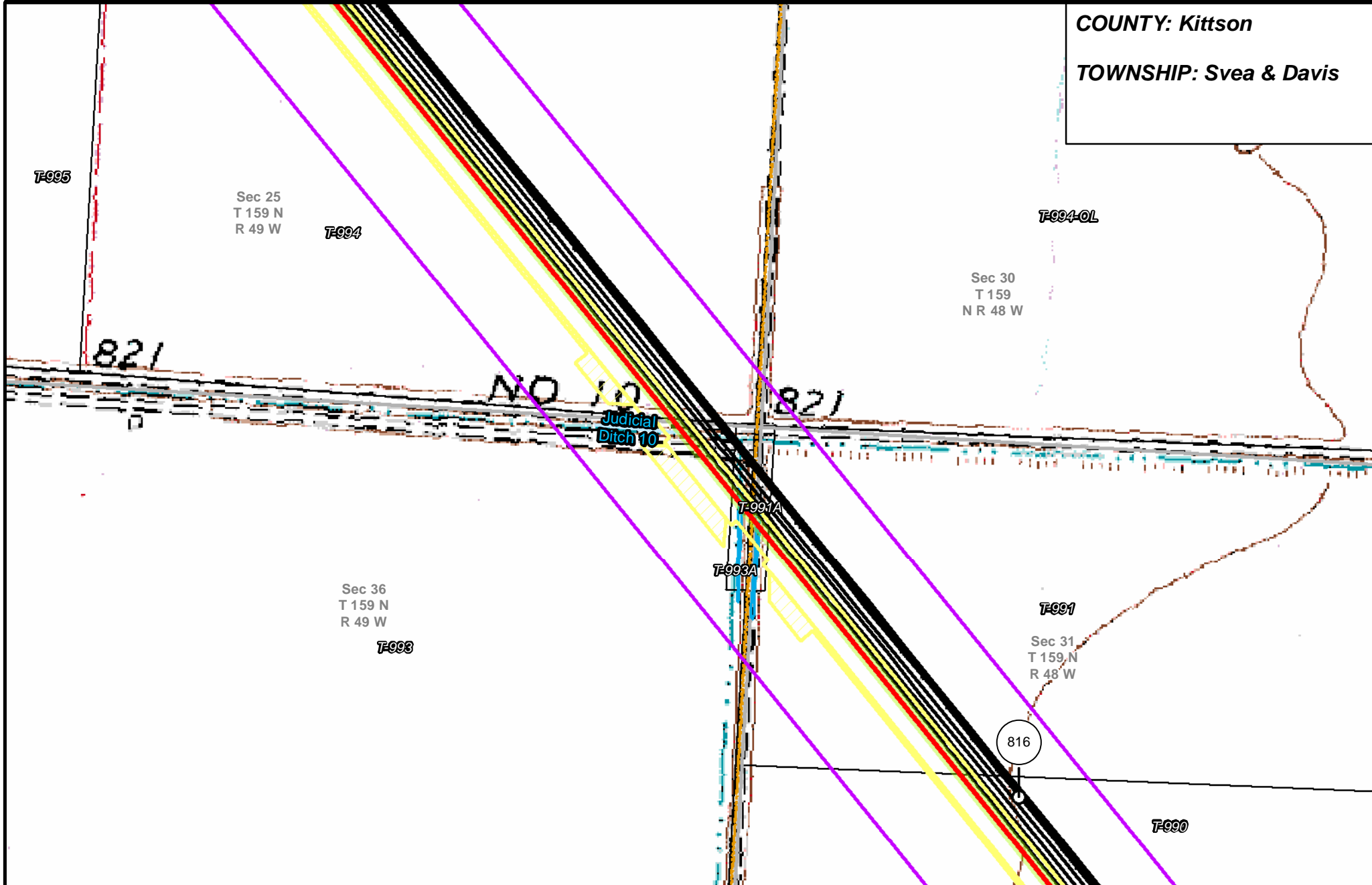


LINE 3 REPLACEMENT PIPELINE ROUTE

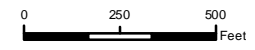
DRAWN: *MLB* CHECKED: *---*
 DATE: August 31, 2018 SCALE: 1:5,000

Map 17 of 378

COUNTY: Kittson
TOWNSHIP: Svea & Davis



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 | | |

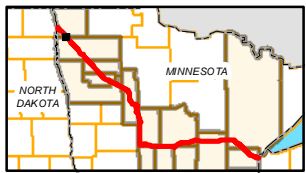
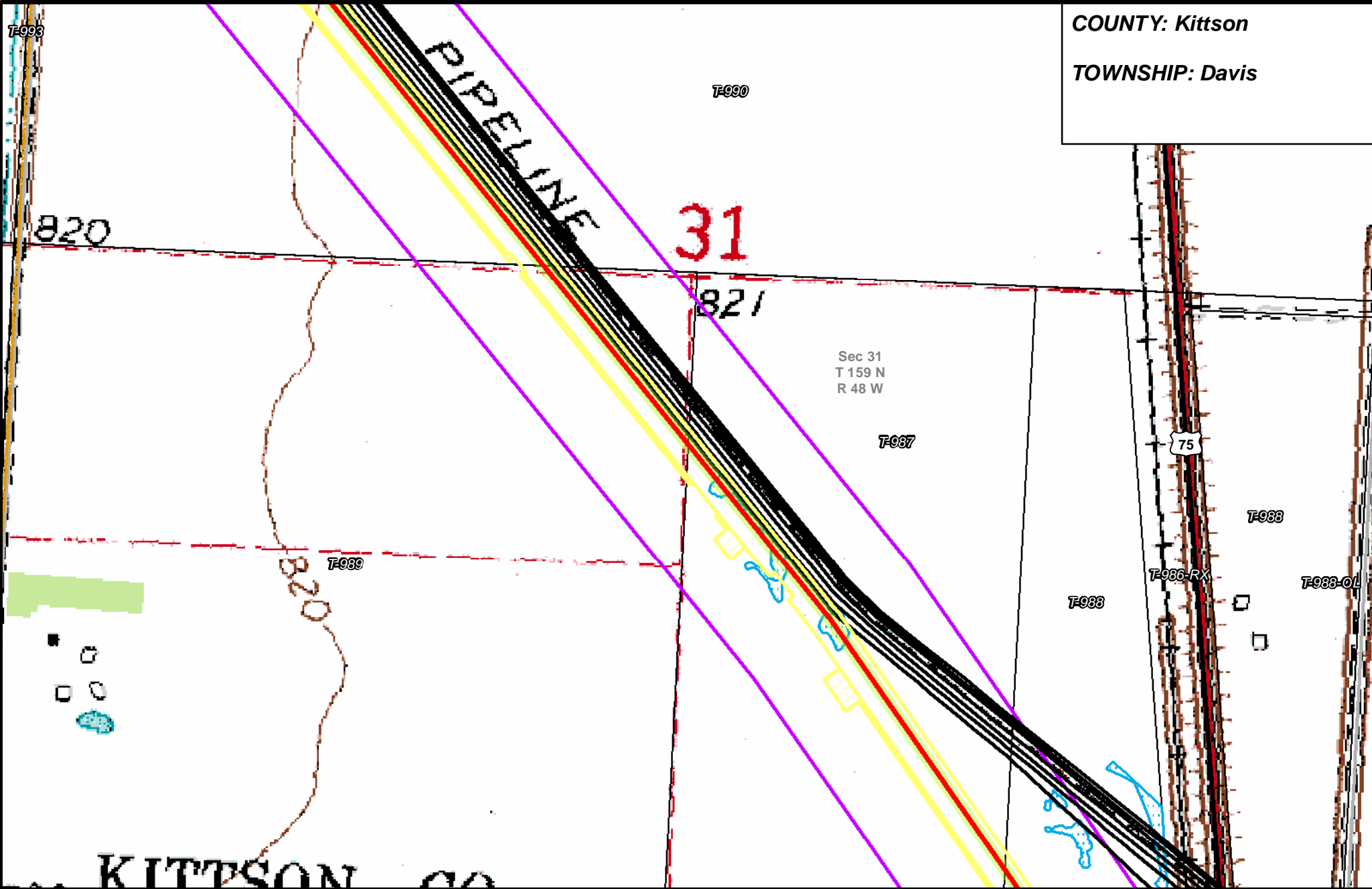


LINE 3 REPLACEMENT PIPELINE ROUTE

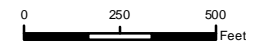
DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
 Map 18 of 378

COUNTY: Kittson

TOWNSHIP: Davis



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 | | |

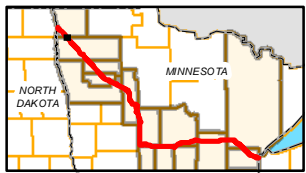
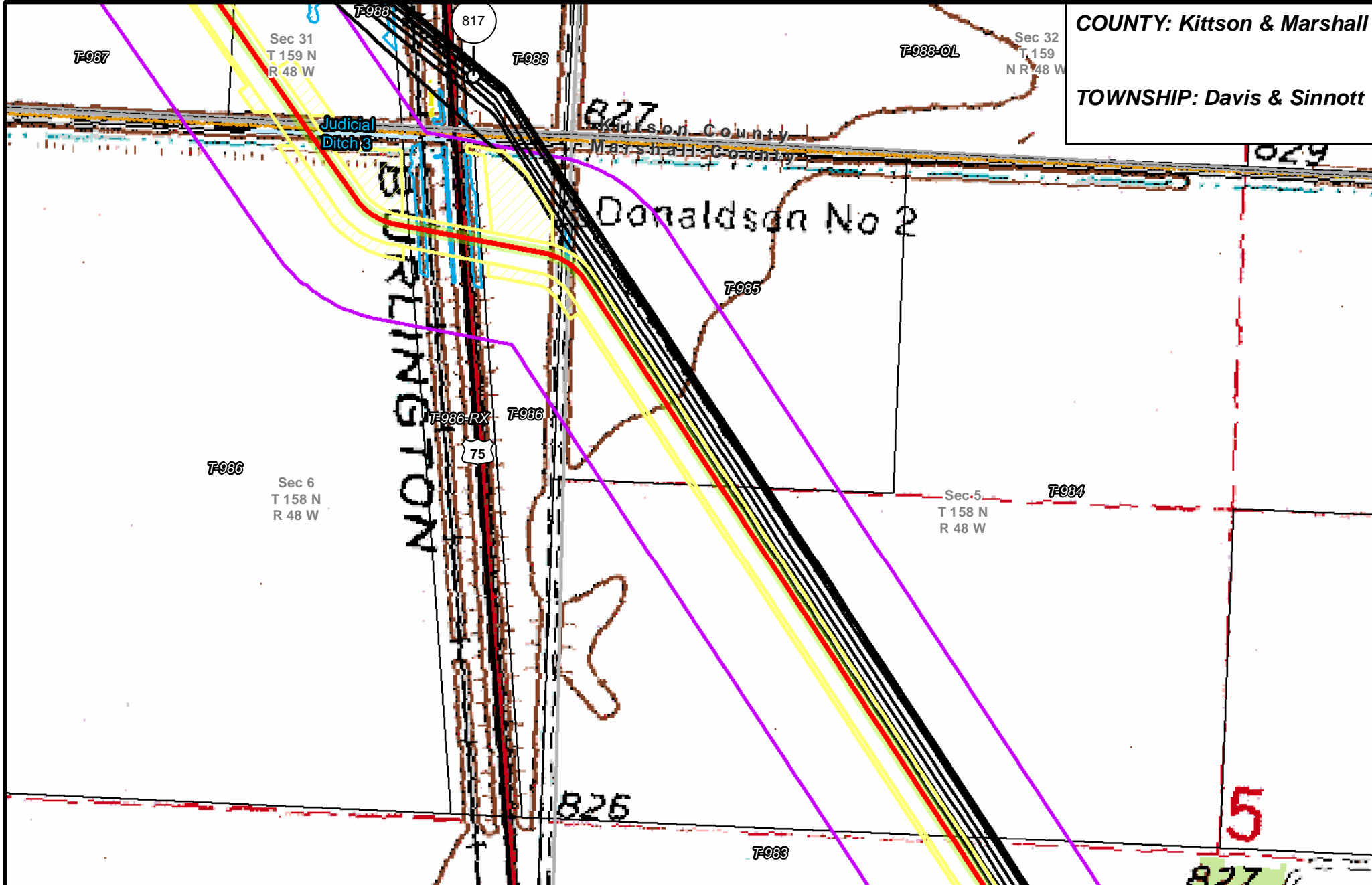


LINE 3 REPLACEMENT PIPELINE ROUTE

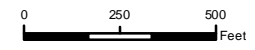
DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000

COUNTY: Kittson & Marshall

TOWNSHIP: Davis & Sinnott



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



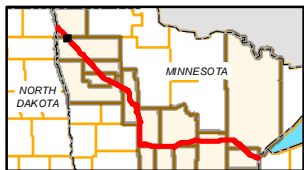
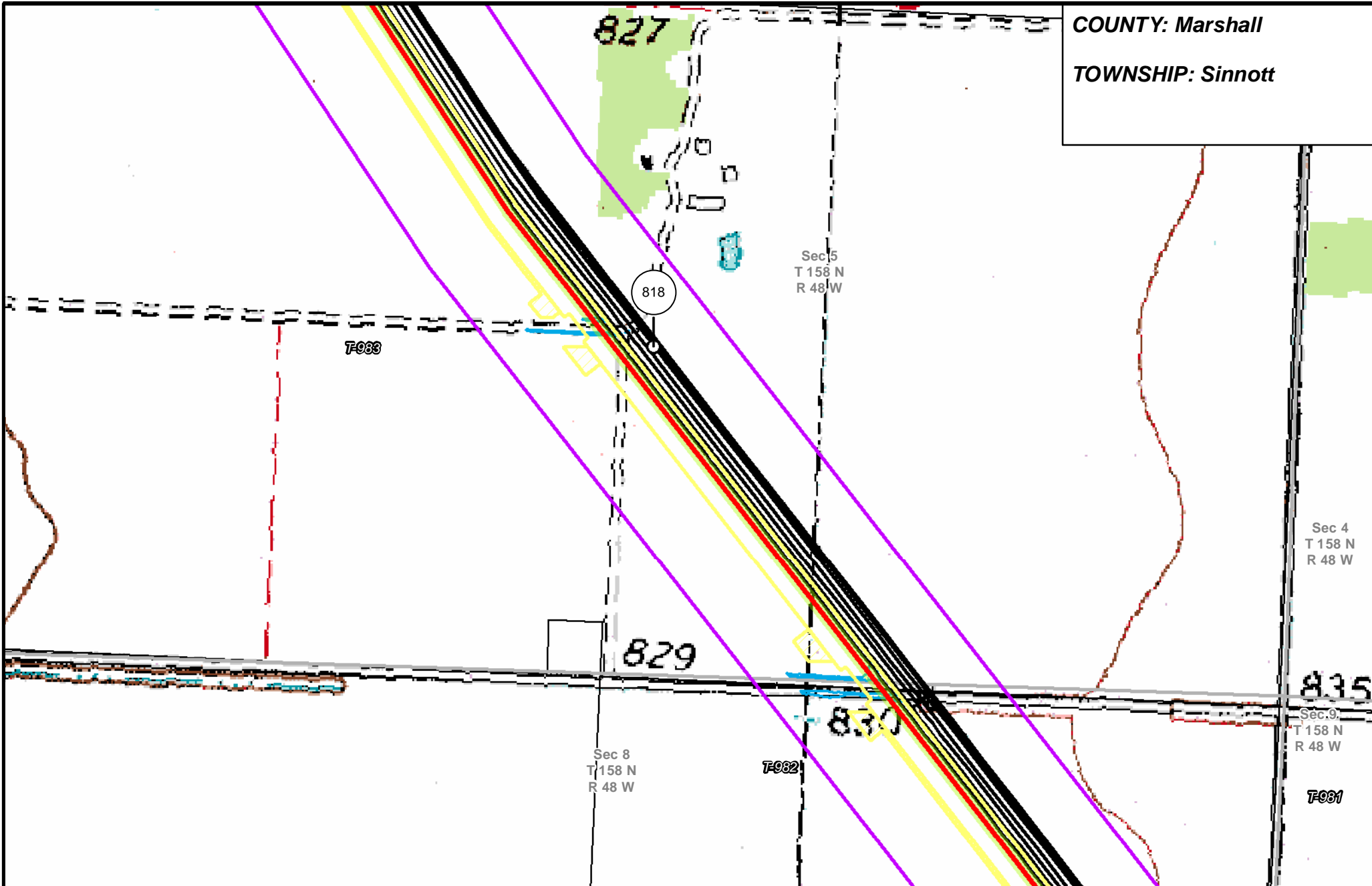
LINE 3 REPLACEMENT PIPELINE ROUTE

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

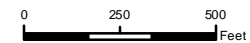
Map 20 of 378

COUNTY: Marshall

TOWNSHIP: Sinnott



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 | | |

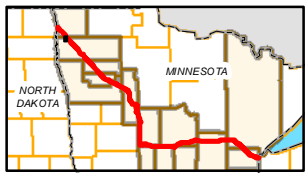
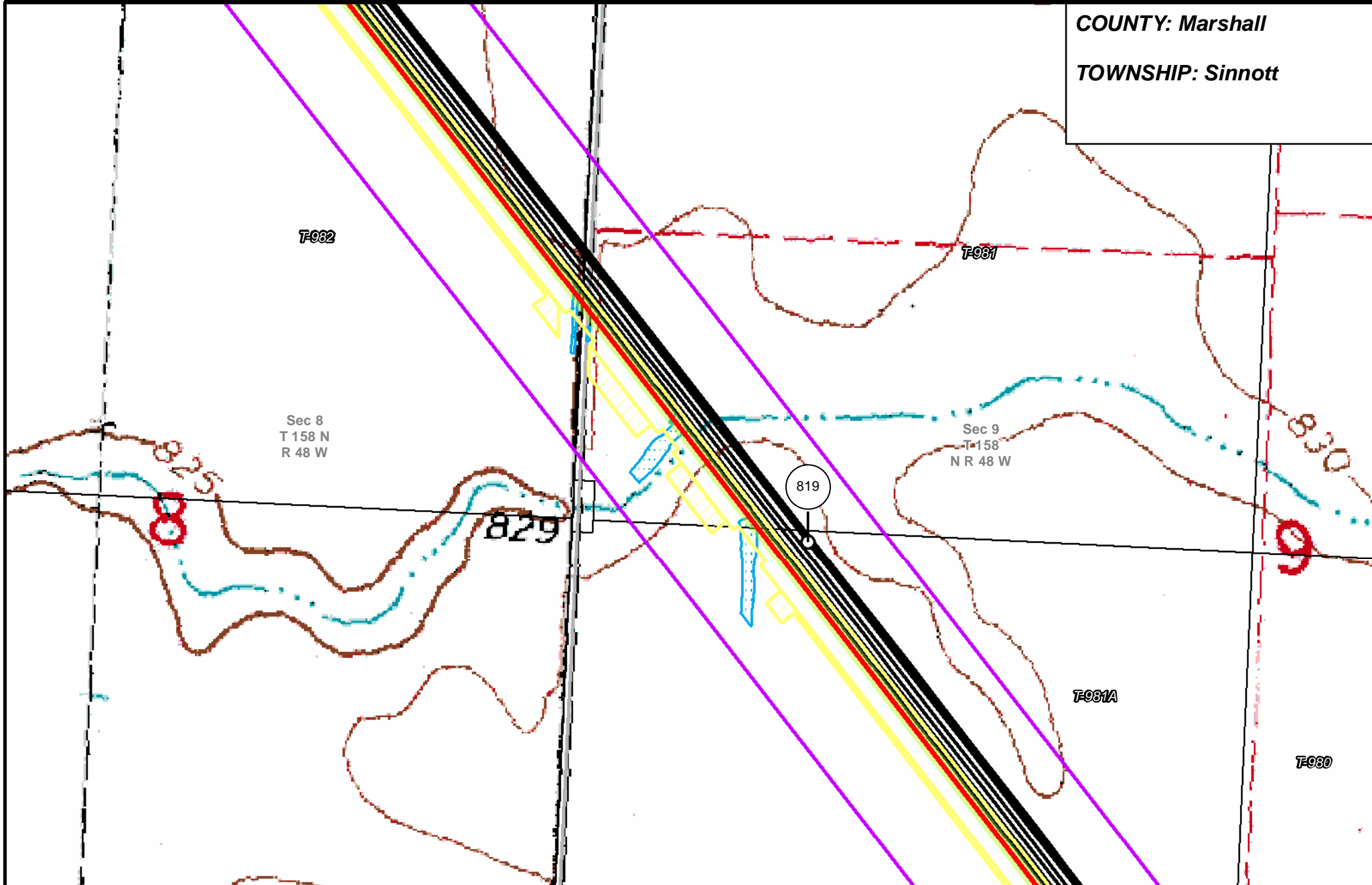


LINE 3 REPLACEMENT PIPELINE ROUTE

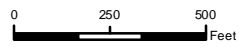
DRAWN: MLB CHECKED: --
DATE: August 31, 2018 SCALE: 1:5,000
Map 21 of 378

COUNTY: Marshall

TOWNSHIP: Sinnott



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 | | |

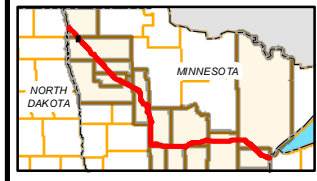
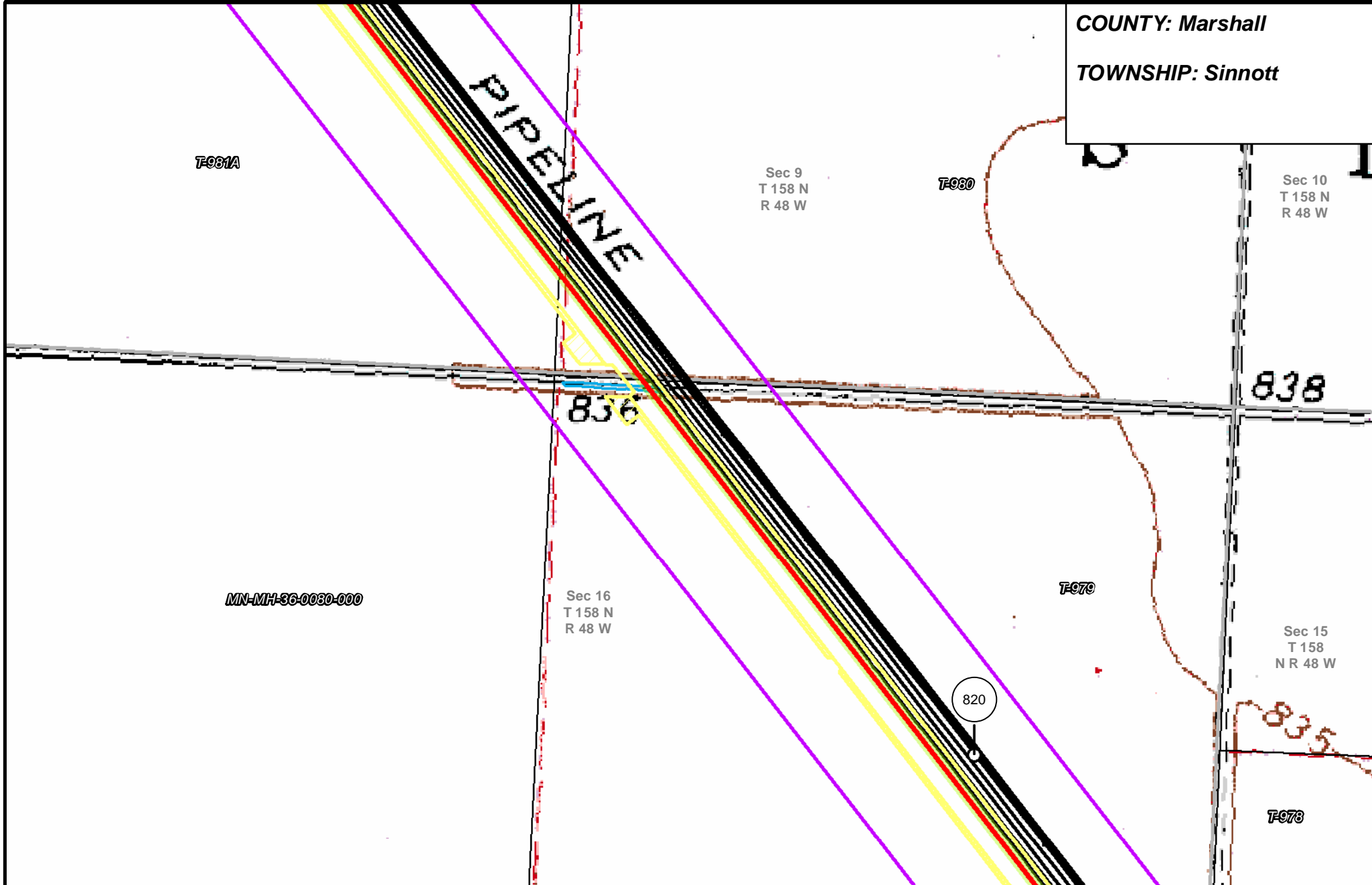


LINE 3 REPLACEMENT PIPELINE ROUTE

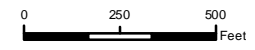
DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000

Map 22 of 378

COUNTY: Marshall
TOWNSHIP: Sinnott



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 | | |



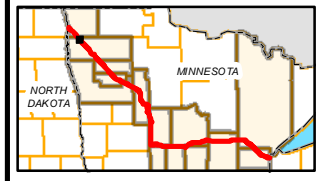
LINE 3 REPLACEMENT PIPELINE ROUTE

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

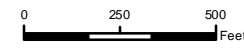
Map 23 of 378

COUNTY: Marshall

TOWNSHIP: Sinnott



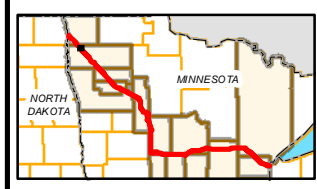
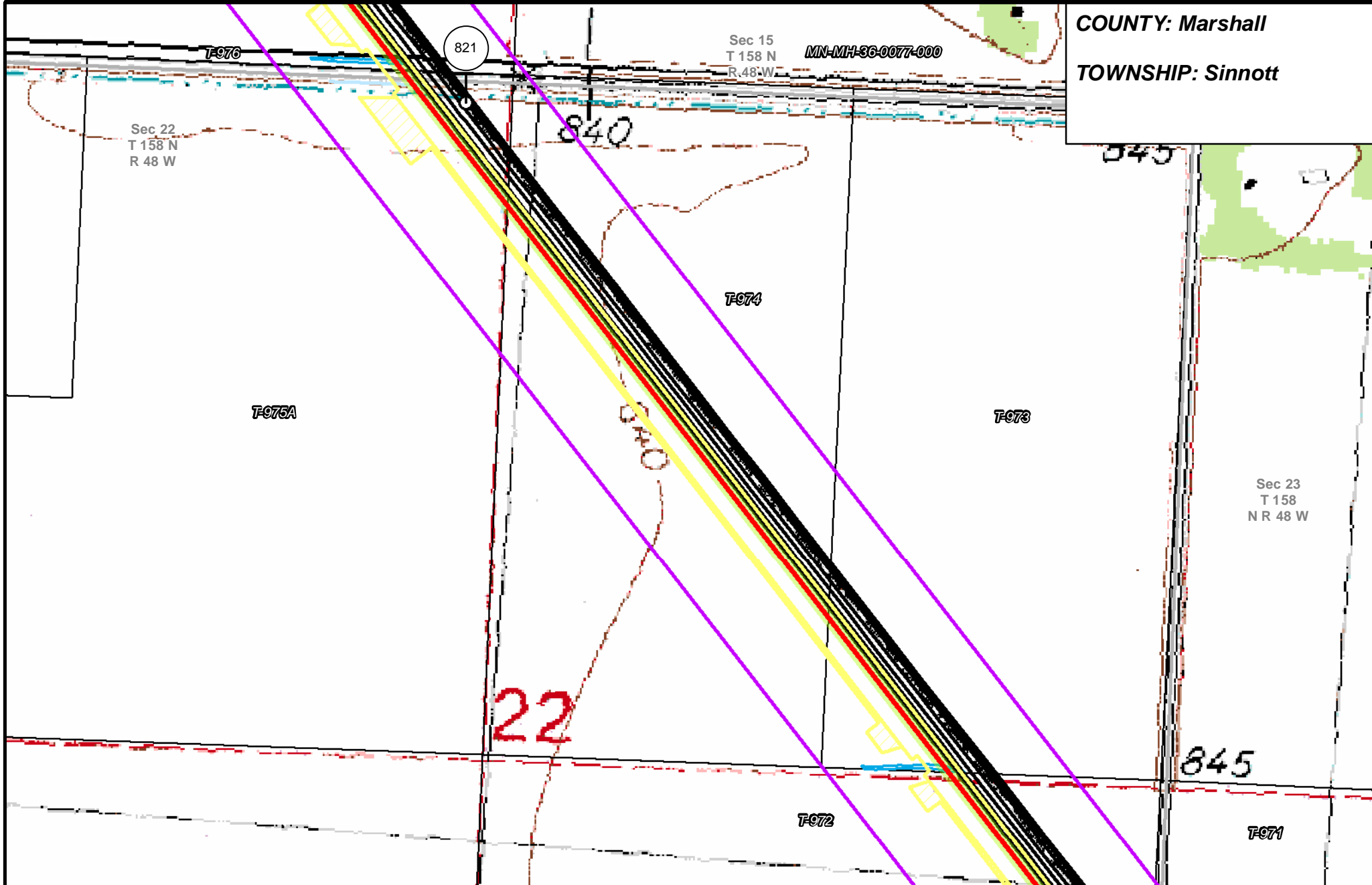
- PUC Designated Route
- ROW
- Line 3R Pipeline
- Valve Location
- Enbridge Pump Station
- Mile Post
- Temporary Workspace
- Additional Temporary Workspace
- Existing Enbridge Pipelines
- Existing Electric Transmission
- Existing Third Party Pipelines
- Surveyed Waterbodies
- ESA
- Surveyed Wetlands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



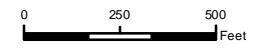
LINE 3 REPLACEMENT PIPELINE ROUTE

DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
 Map 24 of 378

COUNTY: Marshall
TOWNSHIP: Sinnott



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 25 of 378

COUNTY: Marshall

TOWNSHIP: Sinnott

T-972

Sec 22
T 158 N
R 48 W

T-071

Sec 23
T 158
N R 48 W

822

PIPELINE

844

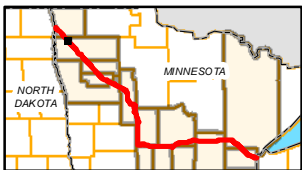
846

Sec 27
T 158 N
R 48 W

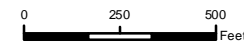
Sec 26
T 158 N
R 48 W

T-971B

T-070



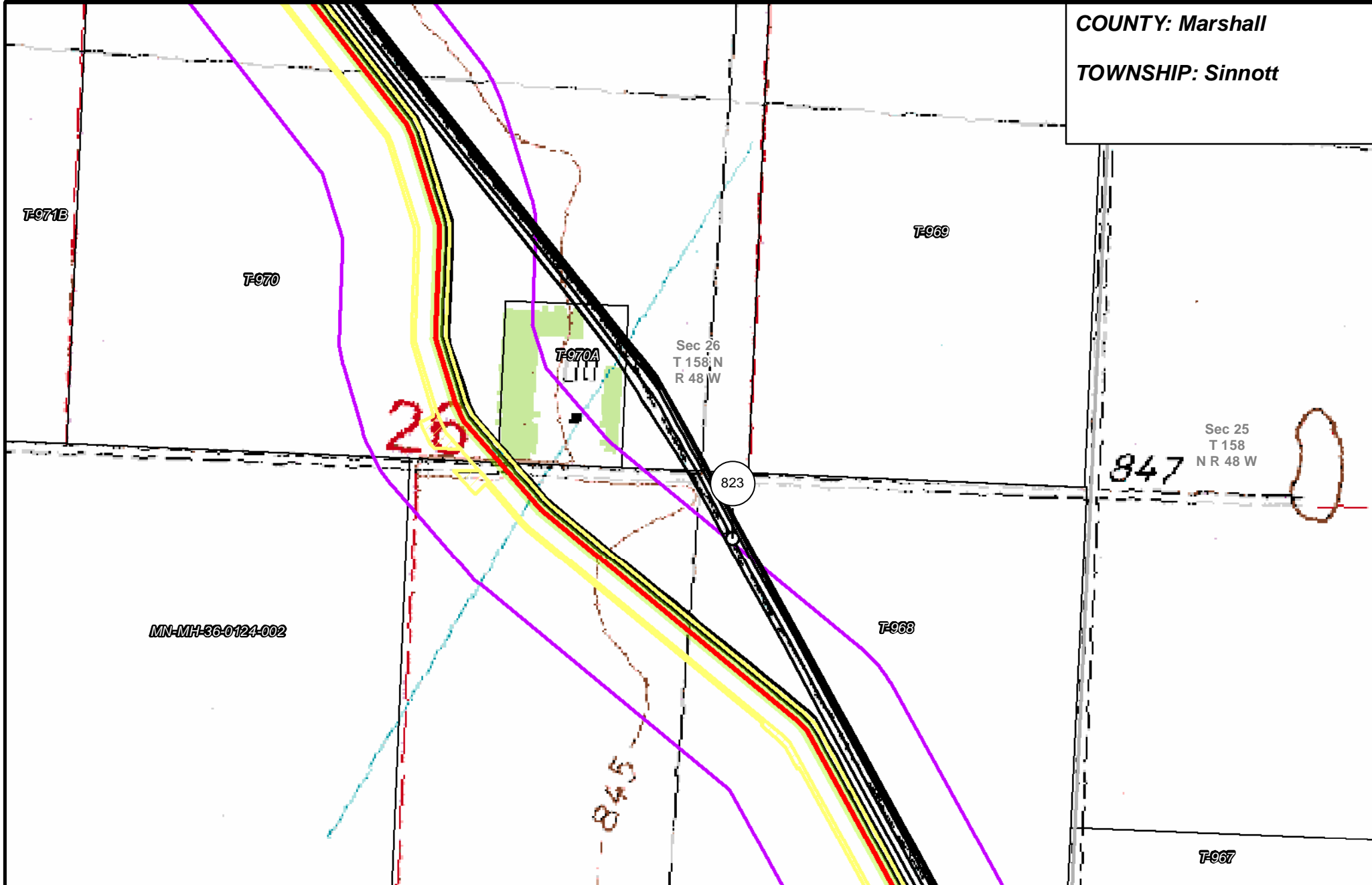
- PUC Designated Route
- ROW
- Line 3R Pipeline
- Valve Location
- Enbridge Pump Station
- Mile Post
- Temporary Workspace
- Additional Temporary Workspace
- Existing Enbridge Pipelines
- Existing Electric Transmission
- Existing Third Party Pipelines
- Surveyed Waterbodies
- ESA
- Surveyed Wetlands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



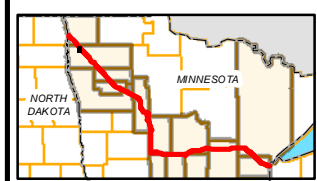
LINE 3 REPLACEMENT PIPELINE ROUTE

DRAWN: MLB CHECKED: --
DATE: August 31, 2018 SCALE: 1:5,000
Map 26 of 378

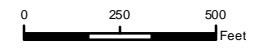
COUNTY: Marshall
TOWNSHIP: Sinnott



MN-MH-36-0124-002



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 | | |

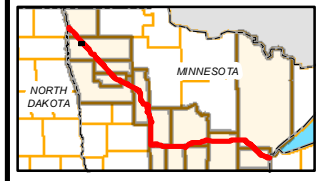
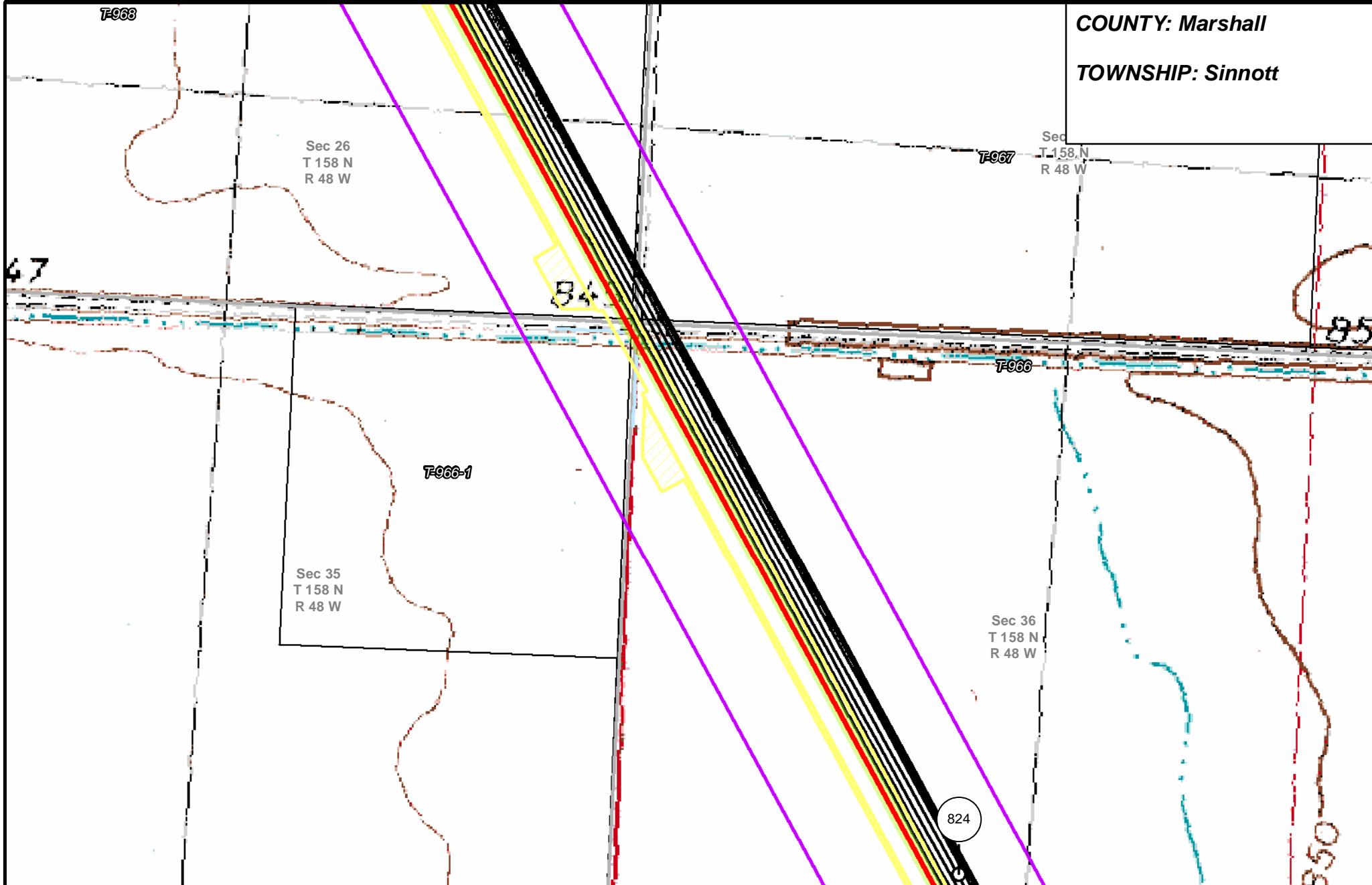


LINE 3 REPLACEMENT PIPELINE ROUTE

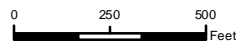
DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
 Map 27 of 378

COUNTY: Marshall

TOWNSHIP: Sinnott



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 | | |



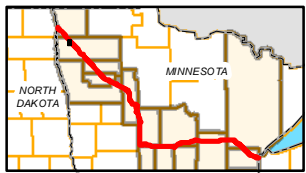
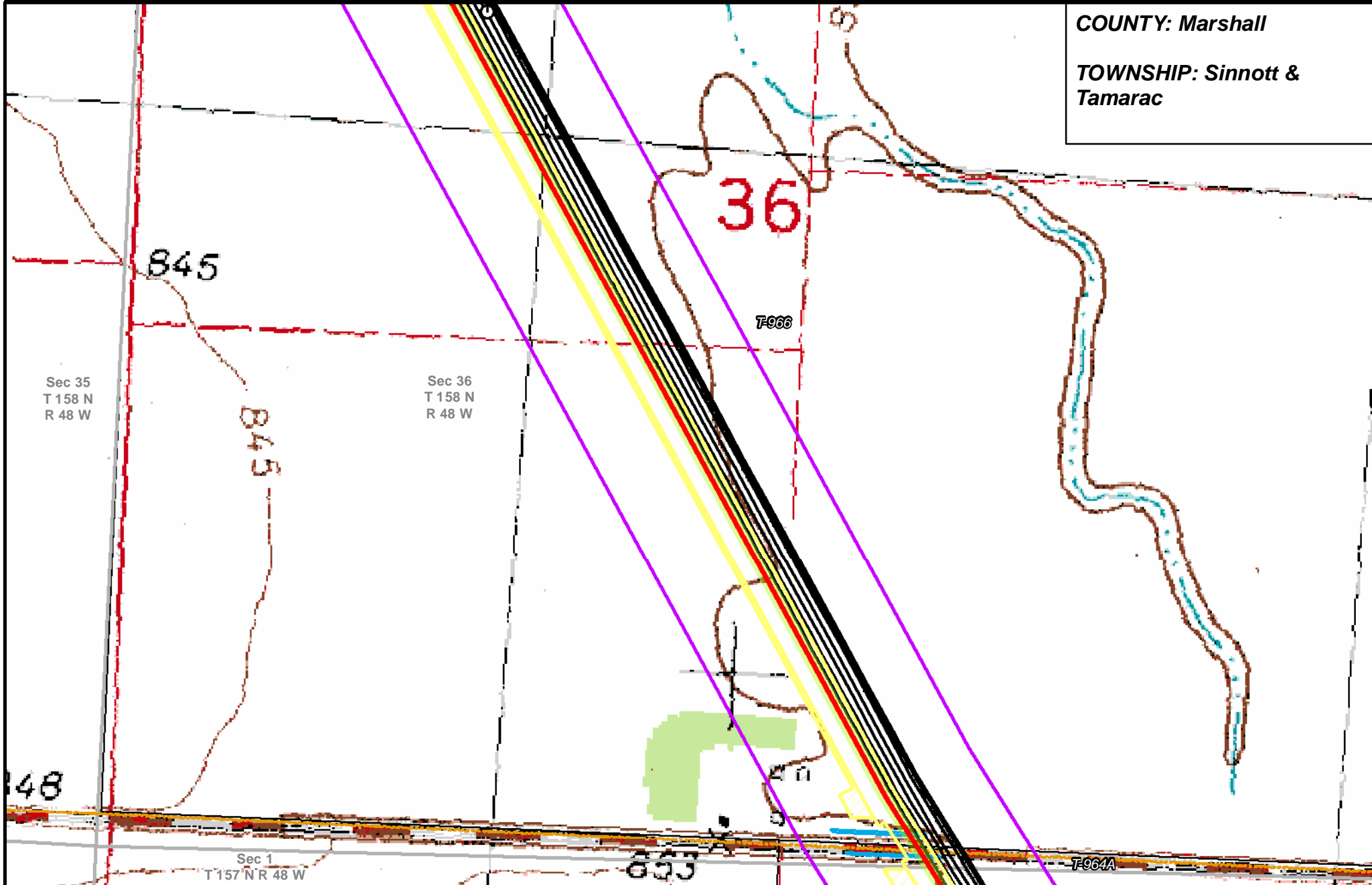
LINE 3 REPLACEMENT PIPELINE ROUTE

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

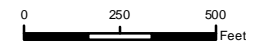
Map 28 of 378

COUNTY: Marshall

TOWNSHIP: Sinnott & Tamarac



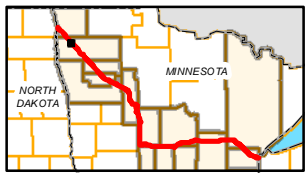
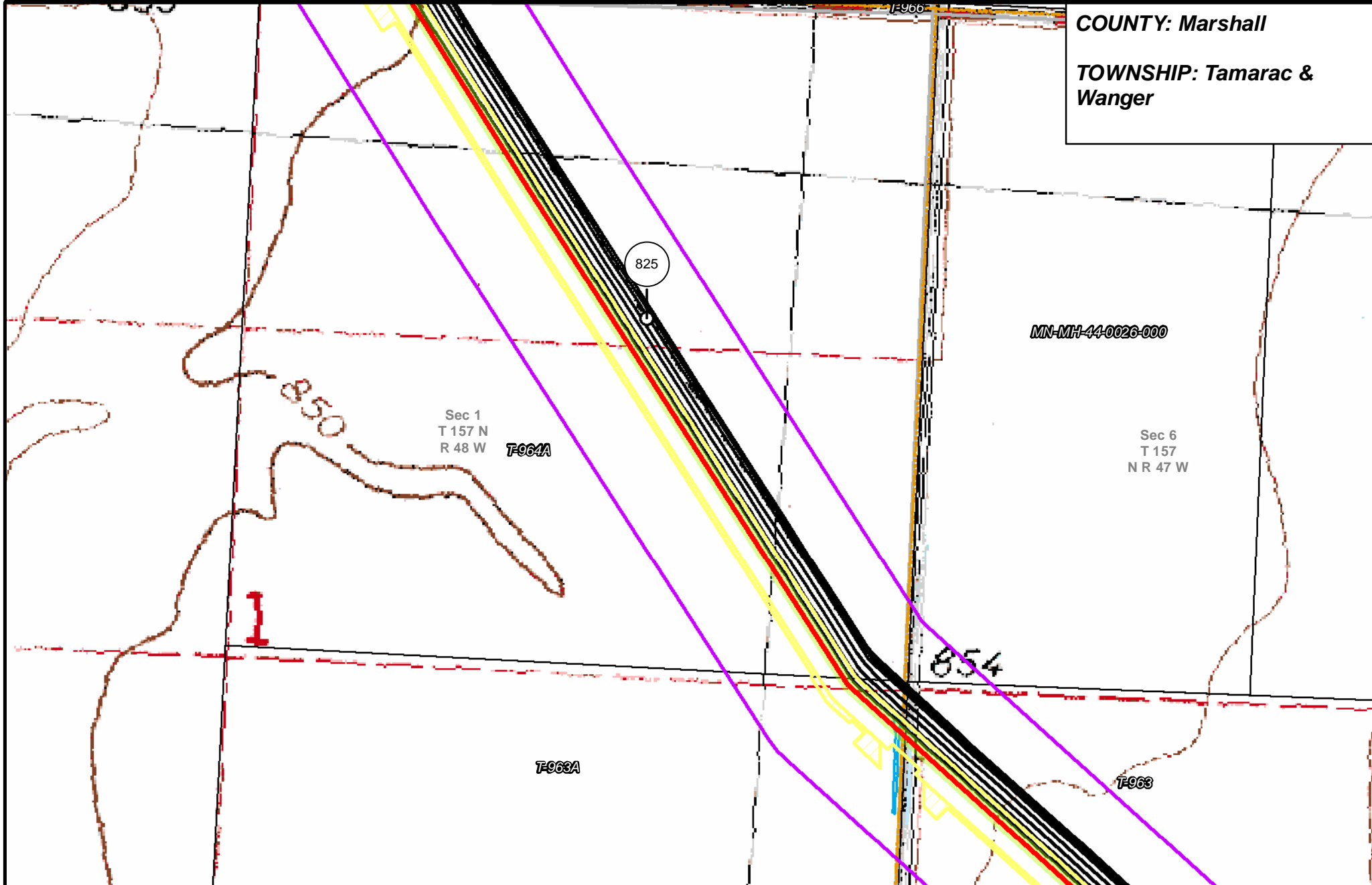
- PUC Designated Route
- ROW
- Line 3R Pipeline
- Valve Location
- Enbridge Pump Station
- Mile Post
- Temporary Workspace
- Additional Temporary Workspace
- Existing Enbridge Pipelines
- Existing Electric Transmission
- Existing Third Party Pipelines
- Surveyed Waterbodies
- ESA
- Surveyed Wetlands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



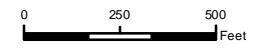
LINE 3 REPLACEMENT PIPELINE ROUTE

DRAWN: MLB CHECKED: --
DATE: August 31, 2018 SCALE: 1:5,000
Map 29 of 378

COUNTY: Marshall
TOWNSHIP: Tamarac & Wanger



- | | | | |
|-----------------------|--------------------------------|--------------------------------|------------------------|
| 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 | |

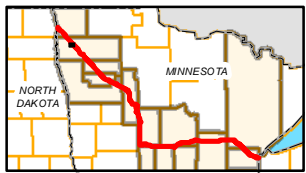
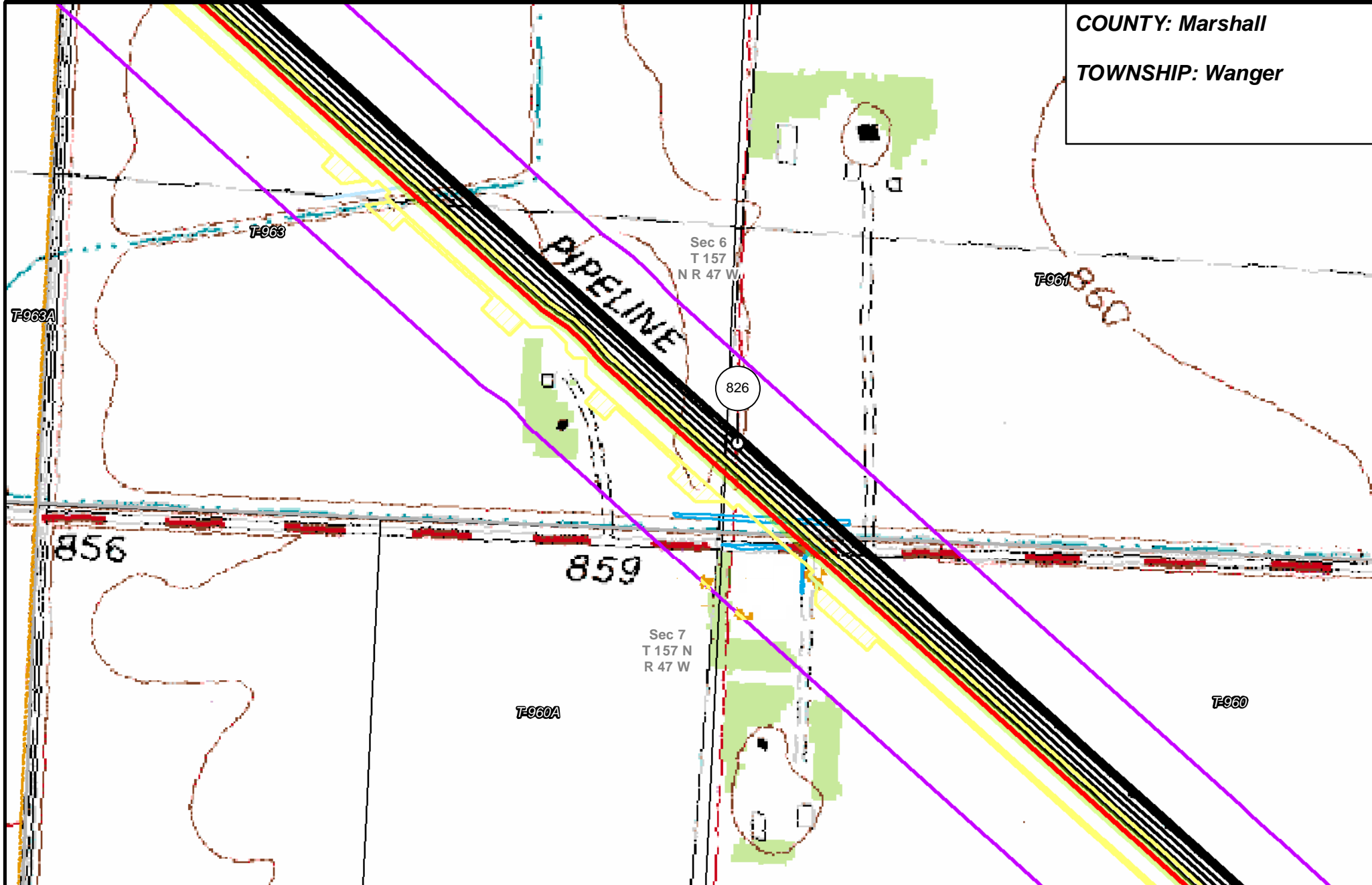


LINE 3 REPLACEMENT PIPELINE ROUTE

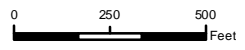
DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
 Map 30 of 378

COUNTY: Marshall

TOWNSHIP: Wanger



- | | | | |
|-----------------------|--------------------------------|--------------------------------|------------------------|
| 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 | |



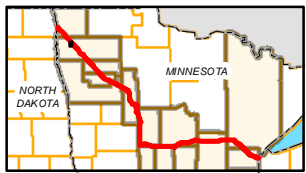
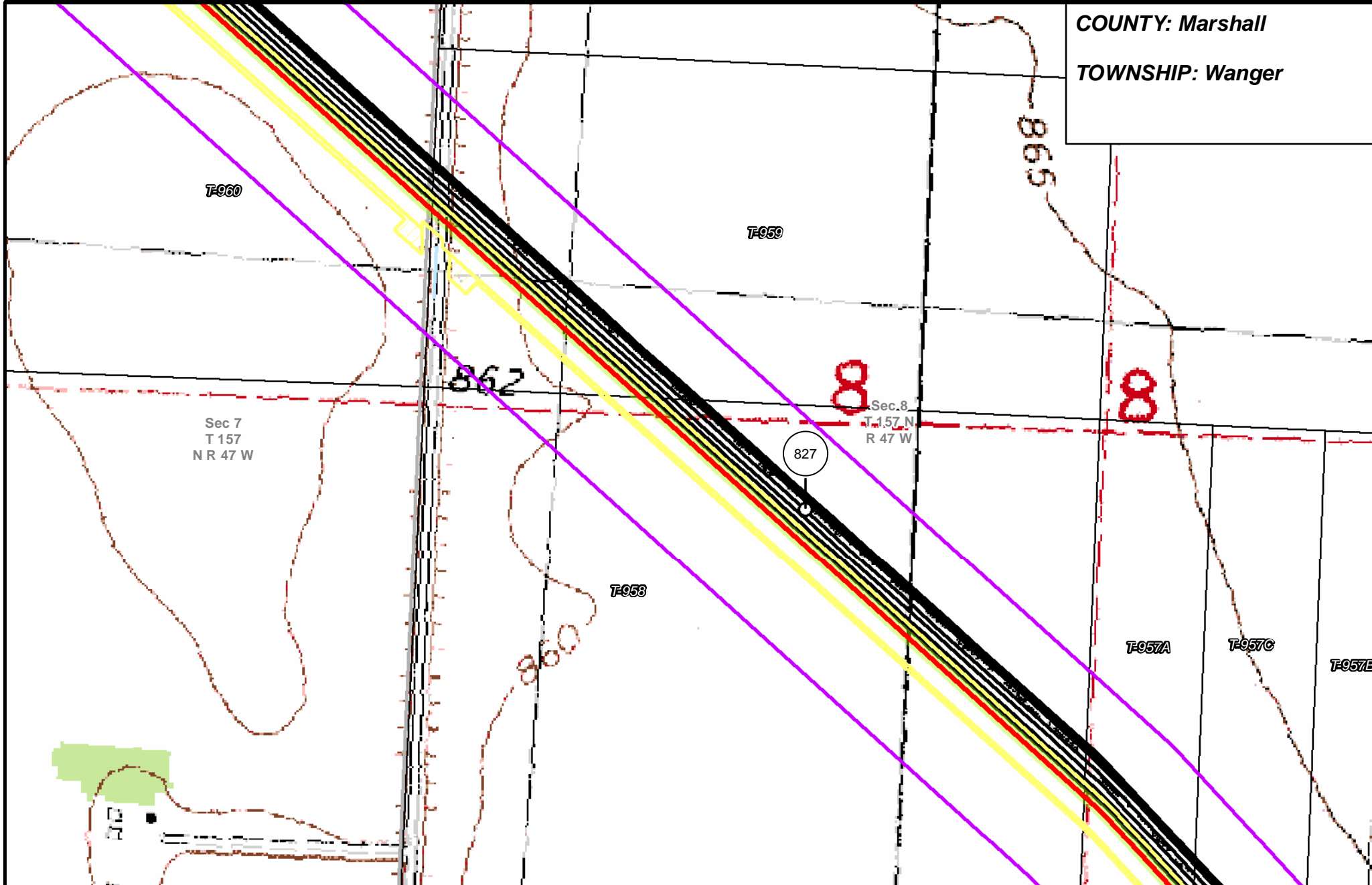
LINE 3 REPLACEMENT PIPELINE ROUTE

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

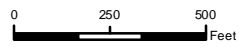
Map 31 of 378

COUNTY: Marshall

TOWNSHIP: Wanger



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 | | |

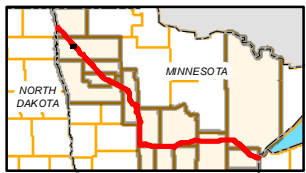
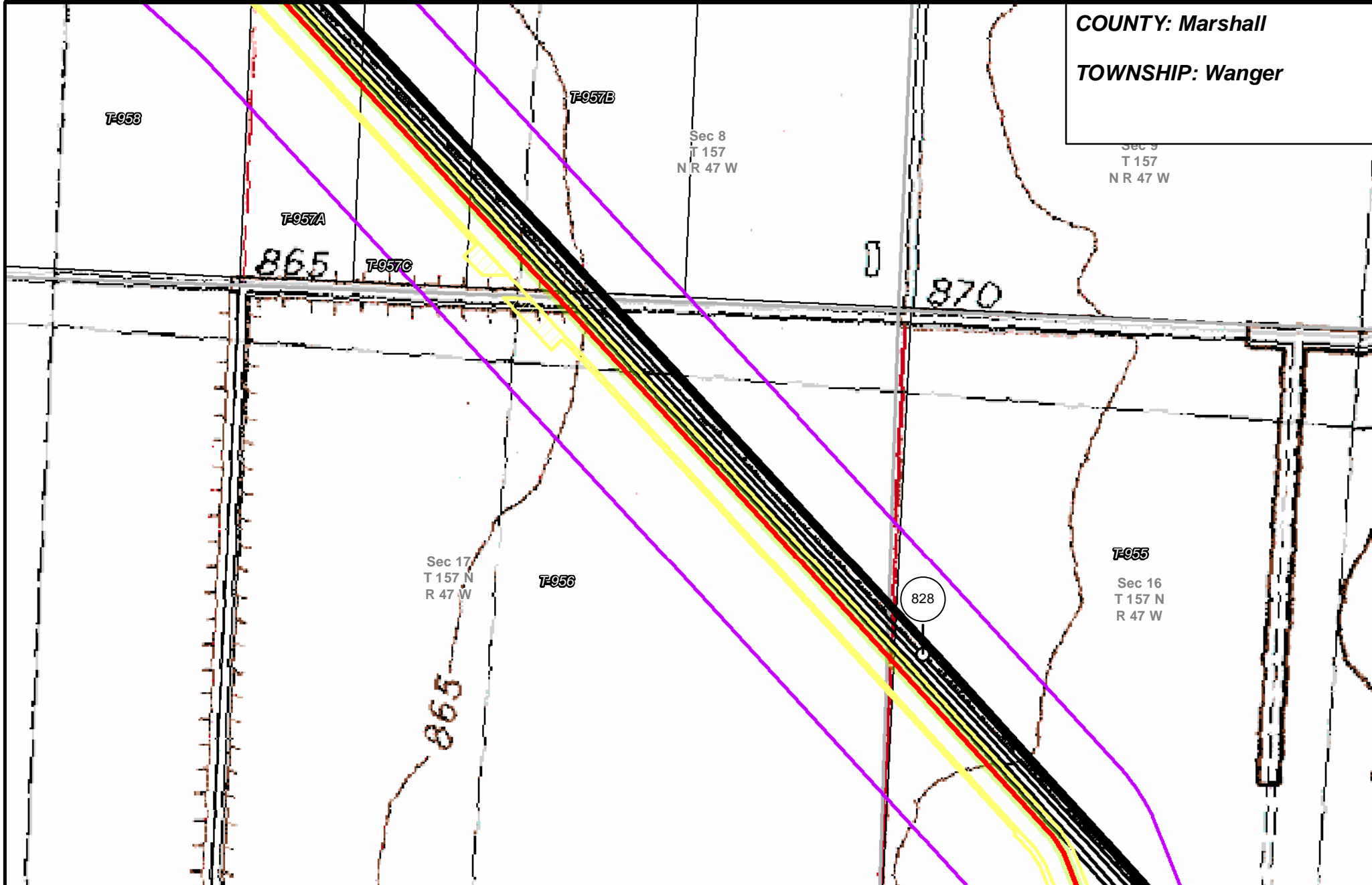


LINE 3 REPLACEMENT PIPELINE ROUTE

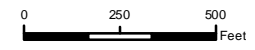
DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000

Map 32 of 378

COUNTY: Marshall
TOWNSHIP: Wanger



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 33 of 378

COUNTY: Marshall

TOWNSHIP: Wanger

T-956

870

16

T-955

Sec 17
T 157 N
R 47 W

Sec 16
T-157-N
R-47 W

Tanareo River

T-953-2

T-952-2

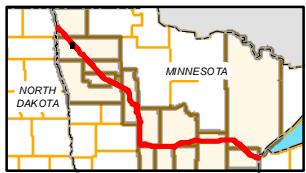
Sec 20
T 157 N
R 47 W

T-952-1

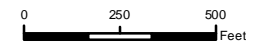
Sec 21
T 157 N
R 47 W

871

829



- 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
 Map 34 of 378

COUNTY: Marshall
 TOWNSHIP: Wanger

MN-MH-44-0105-000
 Sec 22
 T157
 NR 47 W
 T-952

T-952-1

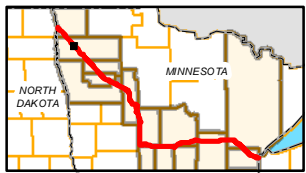
Sec 21
 T157 N
 R47 W

T-953-1A

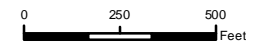
21

W
 A
 679

MN-MH-44-0102-000



- 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



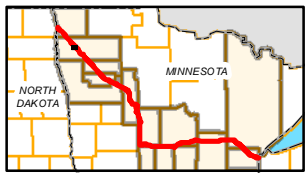
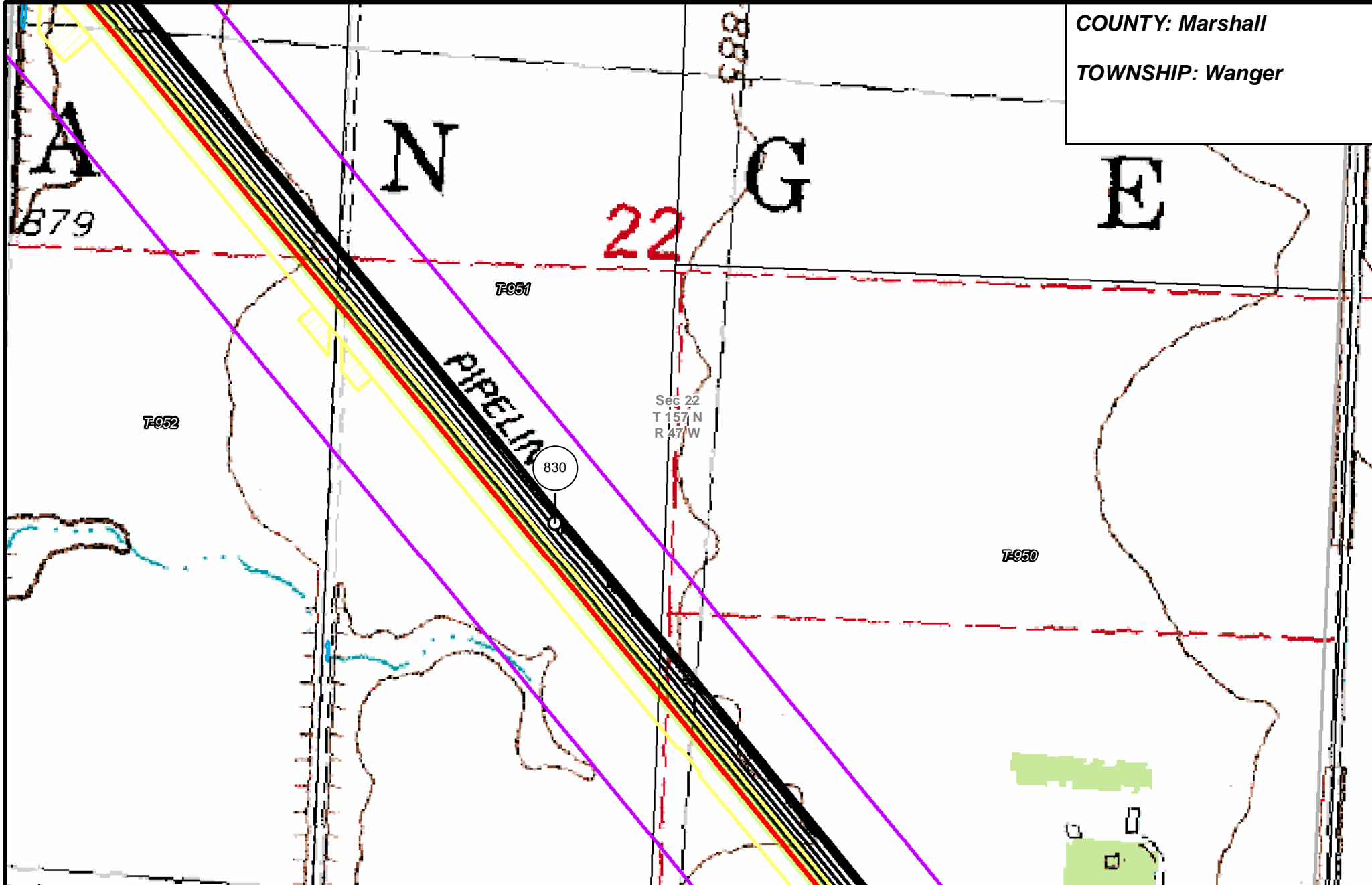
LINE 3 REPLACEMENT PIPELINE ROUTE

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

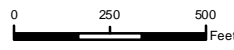
Map 35 of 378

COUNTY: Marshall

TOWNSHIP: Wanger



- 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

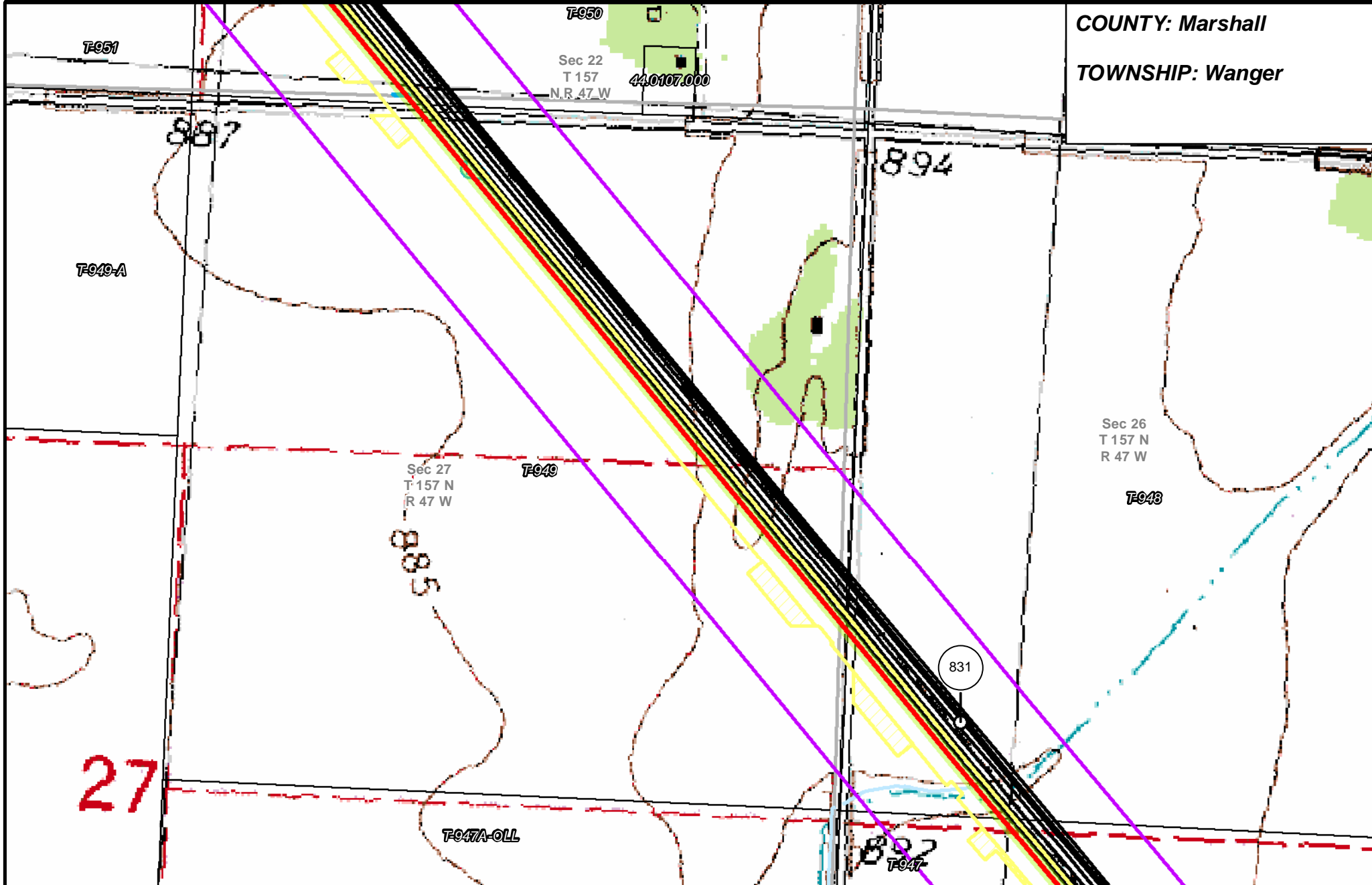


LINE 3 REPLACEMENT PIPELINE ROUTE

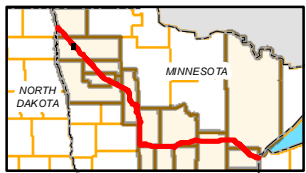
DRAWN: MLB CHECKED: ---
 DATE: August 31, 2018 SCALE: 1:5,000

Map 36 of 378

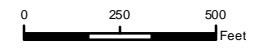
COUNTY: Marshall
 TOWNSHIP: Wanger



27



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 | | |



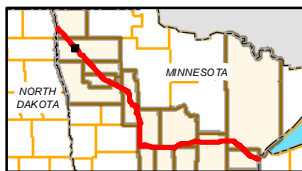
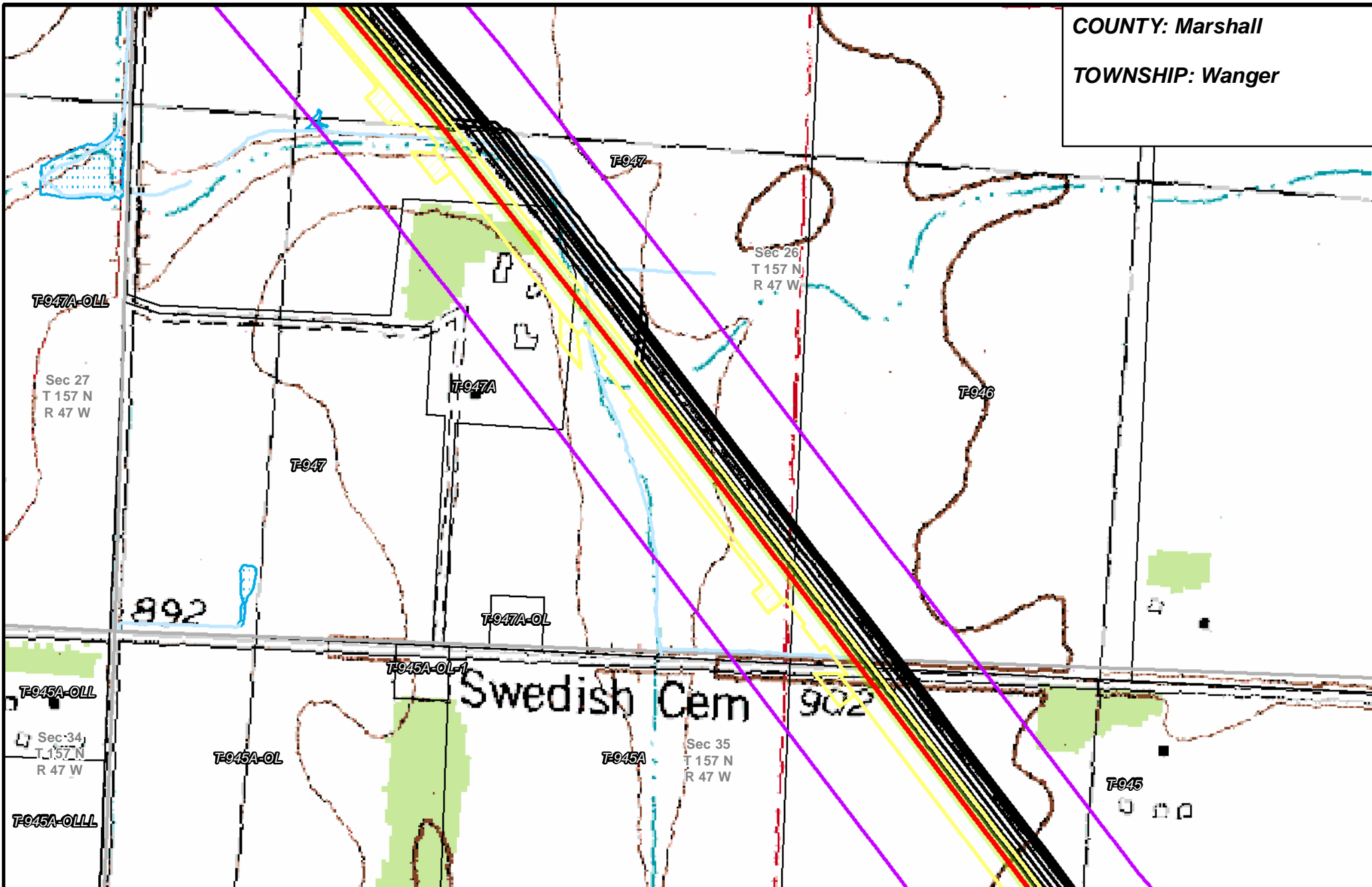
LINE 3 REPLACEMENT PIPELINE ROUTE

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

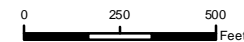
Map 37 of 378

COUNTY: Marshall

TOWNSHIP: Wanger



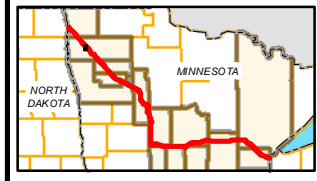
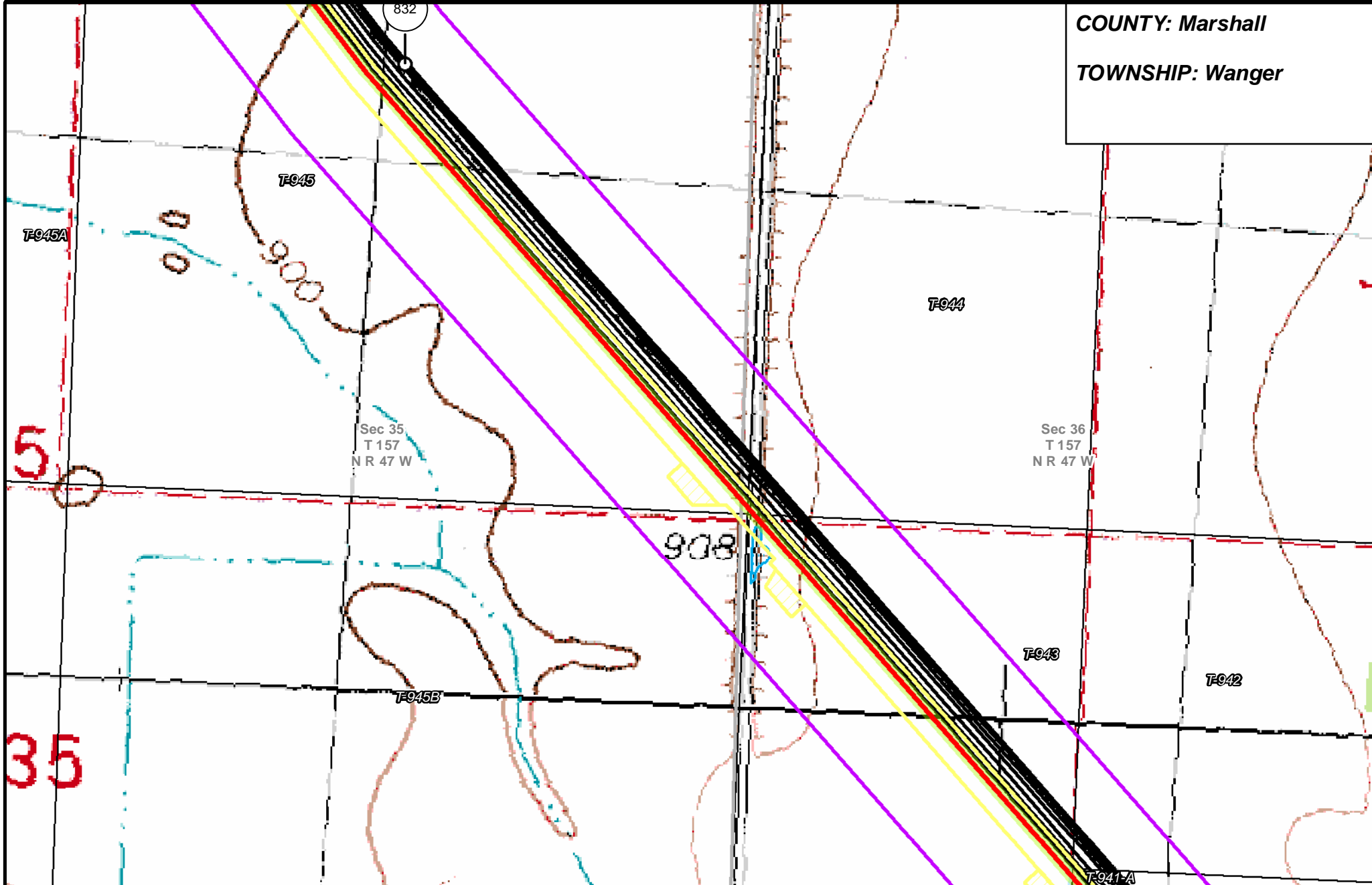
- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| PUC Designated Route | Mile Post | Surveyed Waterbodies | Tract Boundary |
| ROW | Temporary Workspace | ESA | MN Section Boundary |
| Line 3R Pipeline | Additional Temporary Workspace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



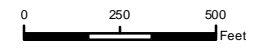
**LINE 3 REPLACEMENT
PIPELINE ROUTE**

DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000
 Map 38 of 378

COUNTY: Marshall
TOWNSHIP: Wanger



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 | | |

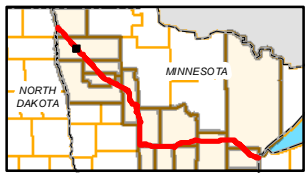
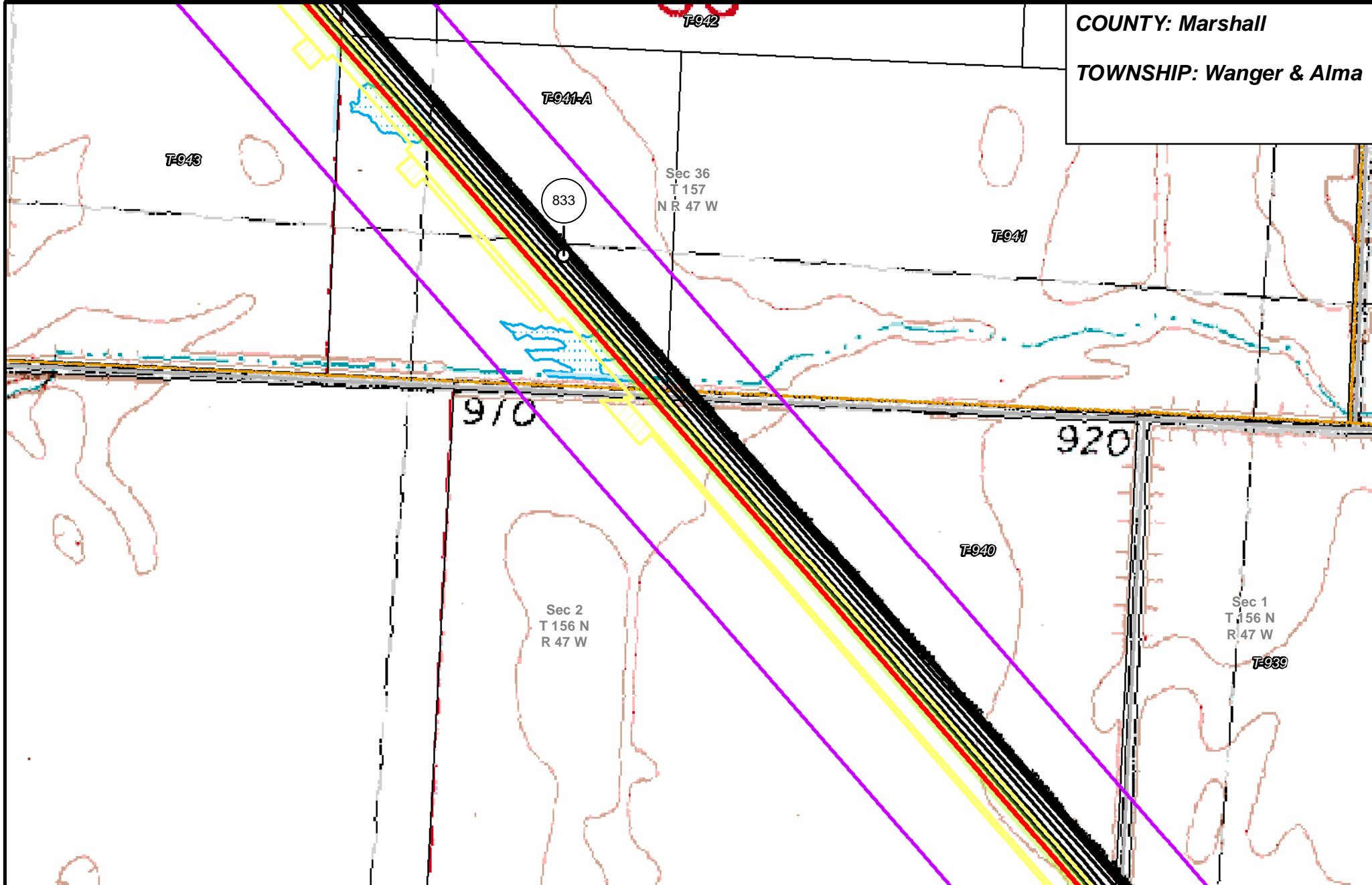


LINE 3 REPLACEMENT PIPELINE ROUTE

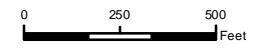
DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000

Map 39 of 378

COUNTY: Marshall
TOWNSHIP: Wanger & Alma



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 | | |

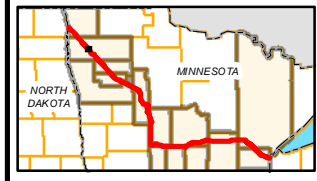
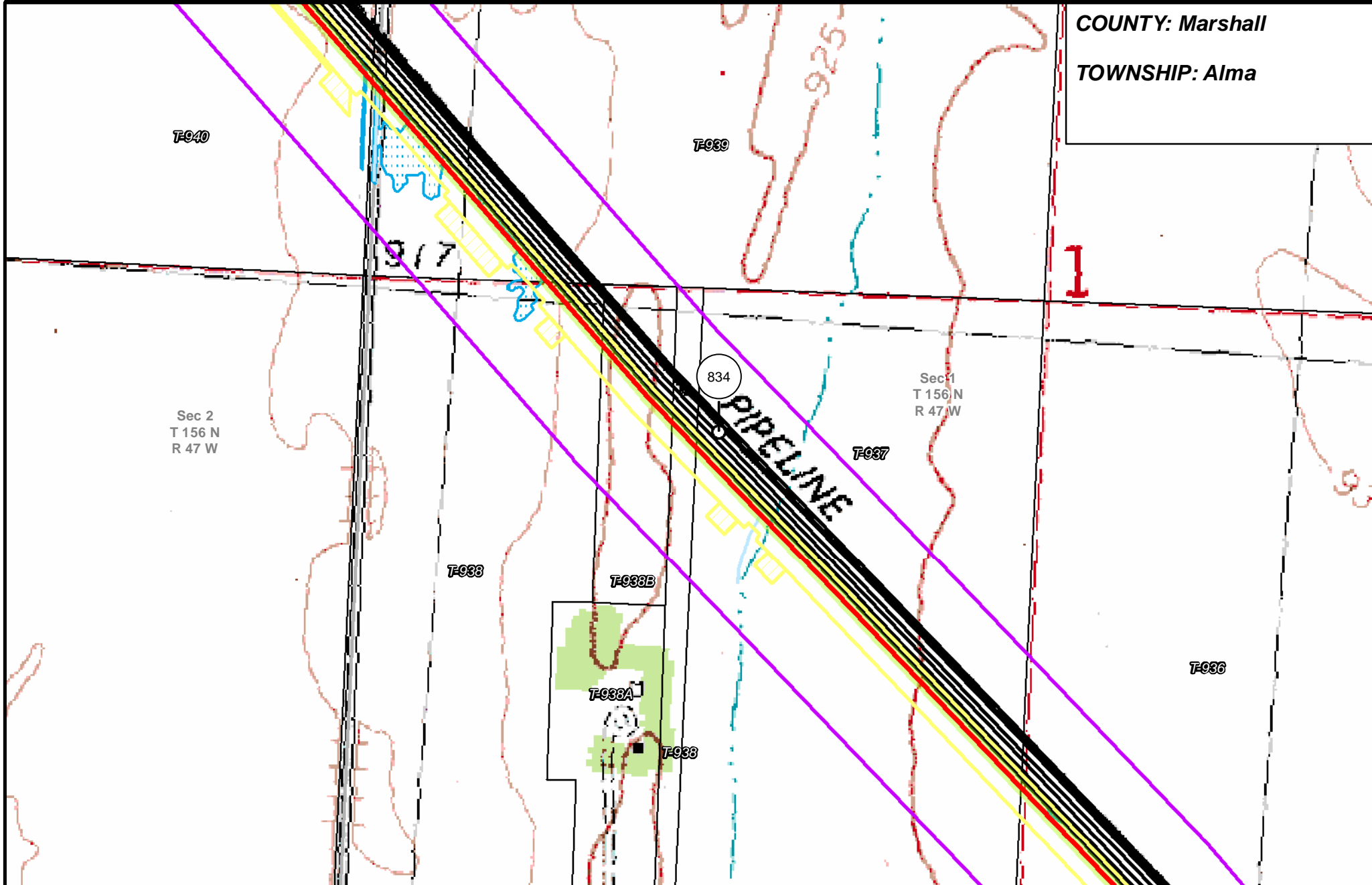


LINE 3 REPLACEMENT PIPELINE ROUTE

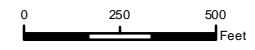
DRAWN: MLB CHECKED: --
 DATE: August 31, 2018 SCALE: 1:5,000

Map 40 of 378

COUNTY: Marshall
TOWNSHIP: Alma



- | | | | |
|-----------------------|--------------------------------|----------------------|------------------------|
| 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 41 of 378