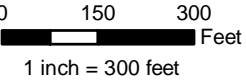


- Milepost
- Line 3 Centerline
- Construction Workspace
- Access Road
- Haul Road/Corner Improvement
- COE Permit Area
- Survey Corridor
- Field Survey Partially or Not Complete
- Parcel Boundary
- County Boundary
- Section Boundary
- Cathodic Protection
- Valve Location
- Pump Station

Environmental Field Data

Wetlands	
Field Delineated Wetland	NWI Wetlands
PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB

Waterbodies	
Field Delineated Waterbody	
NHD Waterbody	
NWI Waterbodies	
Lake/Pond	
Riverine	



Detailed Route Maps
Line 3 Replacement Project

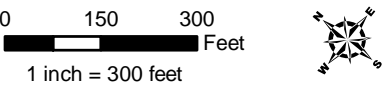
Pennington County, Minnesota





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- Environmental Field Data**
- Wetlands**
- | Field Delineated Wetland | NWI Wetlands |
|--------------------------|--------------|
| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
- Waterbodies**
- | Field Delineated Waterbody | NWI Waterbodies |
|----------------------------|-----------------|
| Field Delineated Waterbody | Lake/Pond |
| NHD Waterbody | Riverine |



Detailed Route Maps

Line 3 Replacement Project

Pennington County, Minnesota





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Environmental Field Data

Wetlands

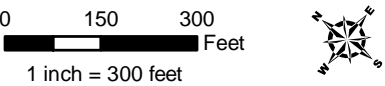
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PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB

Waterbodies

- Field Delineated Waterbody
- NHD Waterbody

NWI Waterbodies

- Lake/Pond
- Riverine



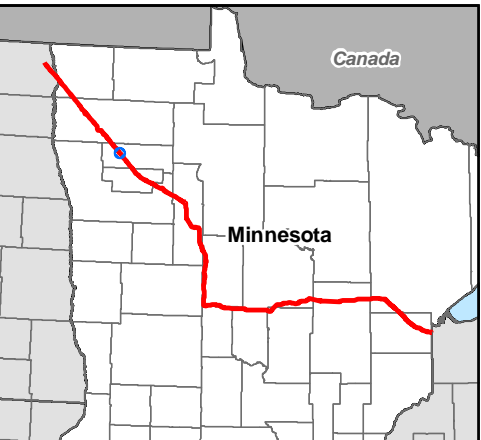
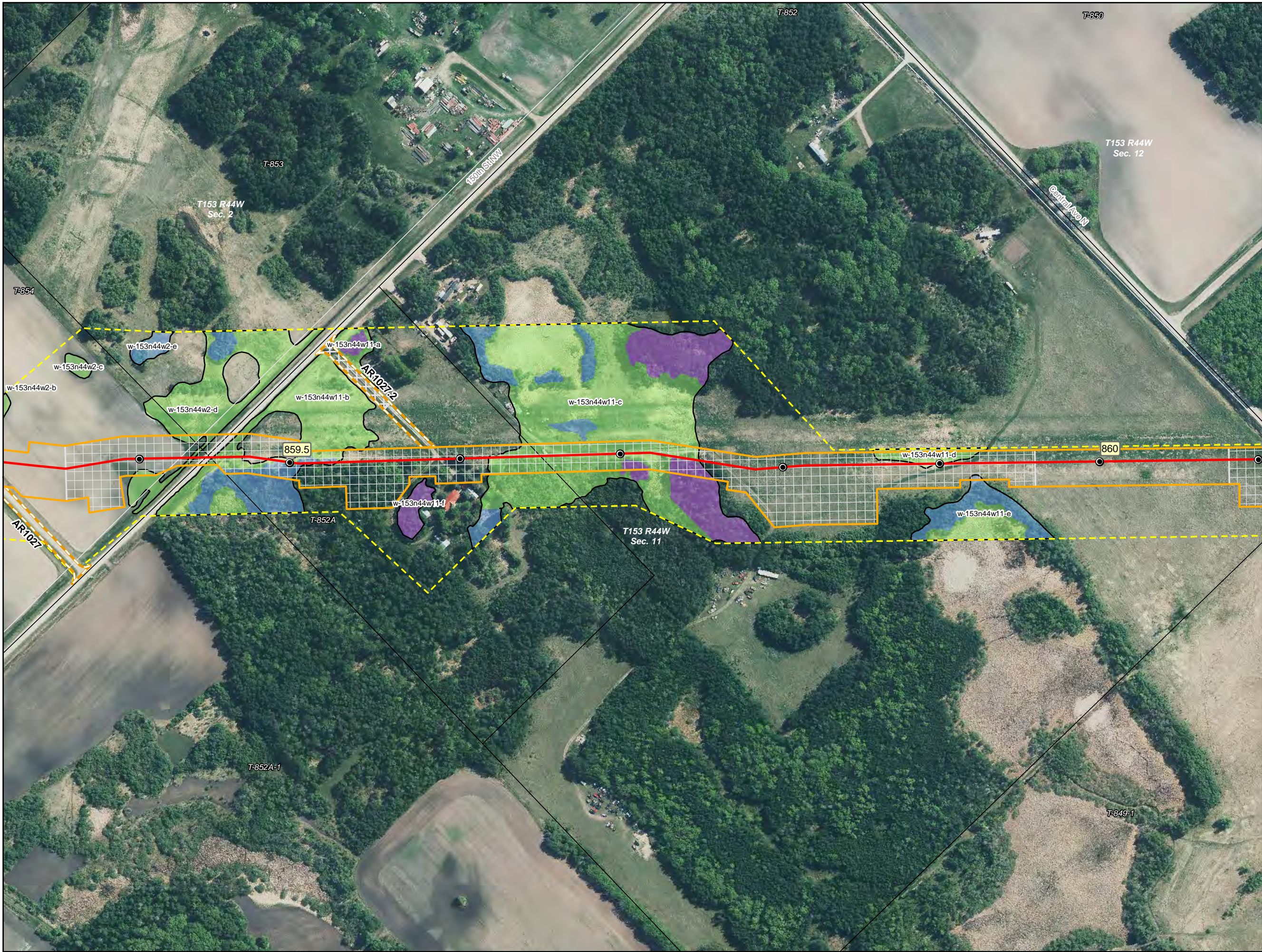
Detailed Route Maps

Line 3 Replacement Project

Pennington County, Minnesota

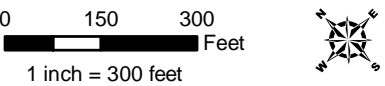


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- Wetlands**
- | | |
|--------------------------|--------------|
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| PUB | PUB |
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 - NHD Waterbody
- NWI Waterbodies**
- Lake/Pond
 - Riverine



Detailed Route Maps

Line 3 Replacement Project

Pennington County, Minnesota



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Unnamed Ditch - s-153n44w11-a
MP - 860.1
Proposed Crossing Method - Bore
Secondary Crossing Method - Dry Crossing



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Environmental Field Data

Wetlands

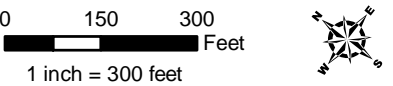
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PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB

Waterbodies

- Field Delineated Waterbody
- NHD Waterbody

NWI Waterbodies

- Lake/Pond
- Riverine



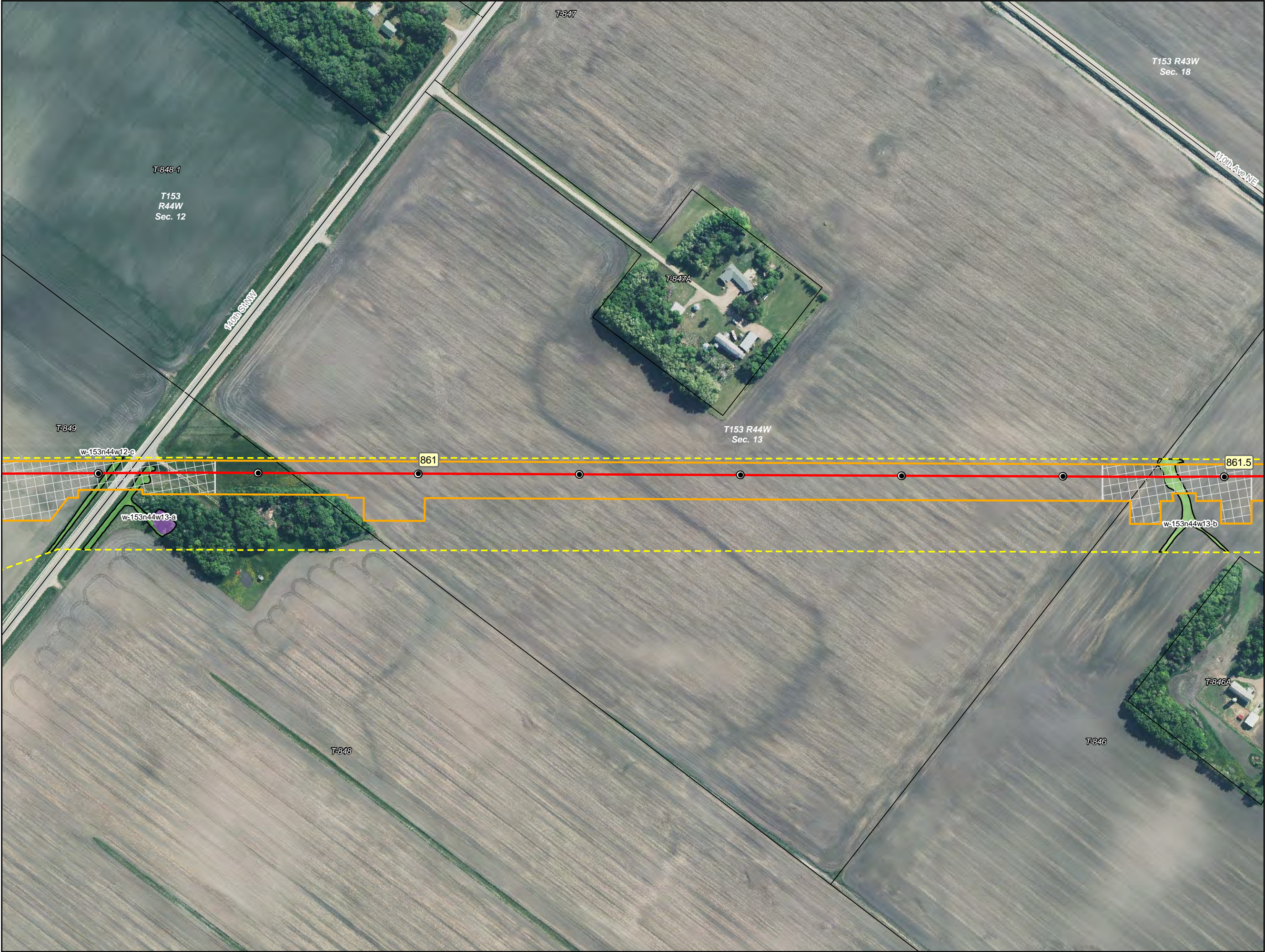
Detailed Route Maps

Line 3 Replacement Project

Pennington County, Minnesota



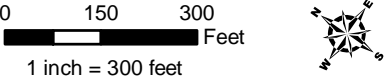
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|--------------------------|--------------|
| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
- Waterbodies**
- Field Delineated Waterbody
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Detailed Route Maps

Line 3 Replacement Project

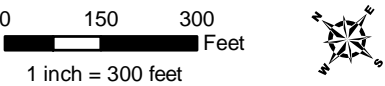
Pennington County, Minnesota





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- Wetlands**
- | | |
|--------------------------|--------------|
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| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
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Detailed Route Maps

Line 3 Replacement Project

Pennington County, Minnesota



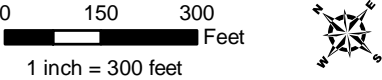
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| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
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 - - - NHD Waterbody
- NWI Waterbodies
- Lake/Pond
 - Riverine



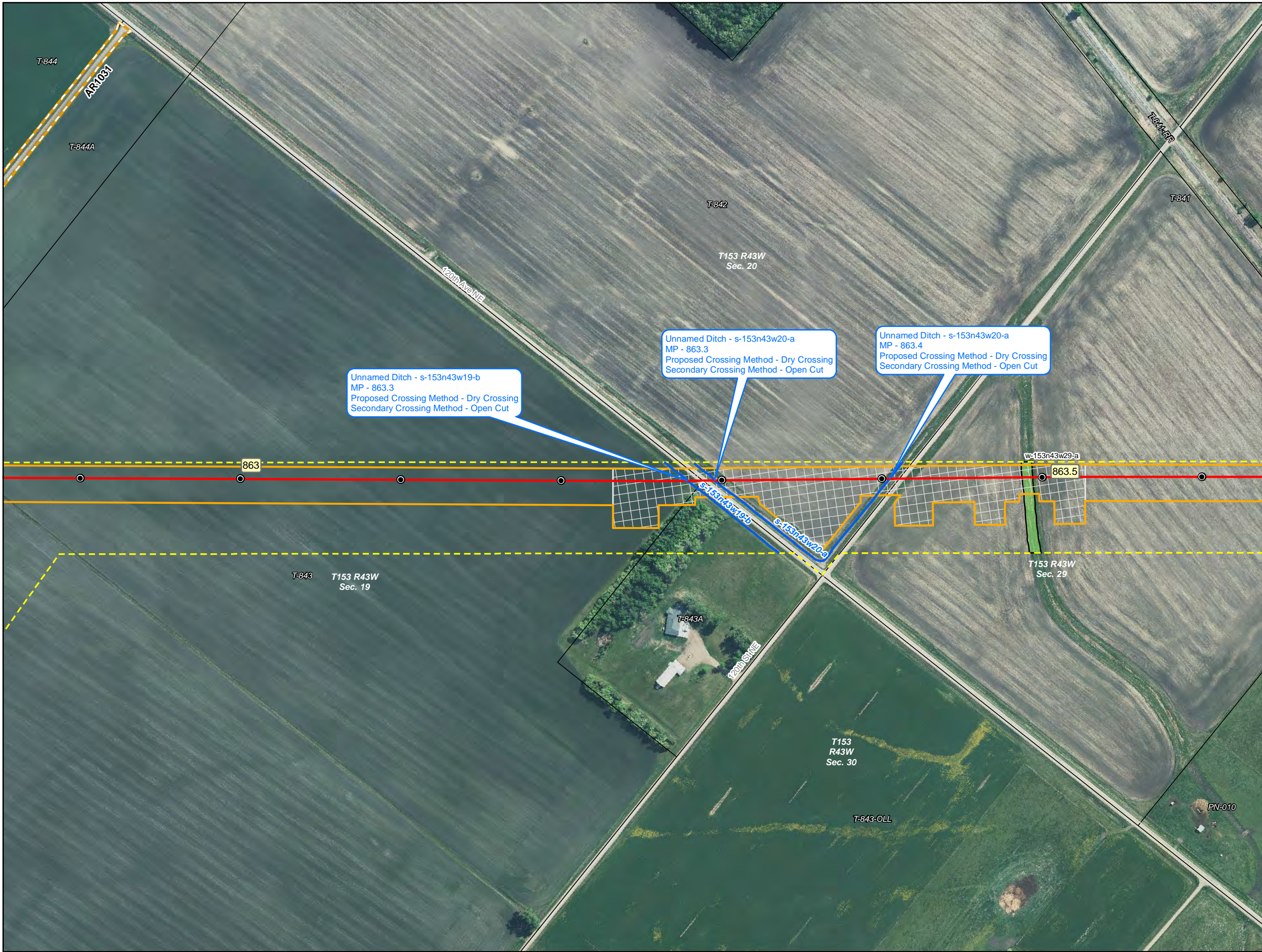
Detailed Route Maps

Line 3 Replacement Project

Pennington County, Minnesota



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- Milepost
- Line 3 Centerline
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- Cathodic Protection
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Environmental Field Data

Wetlands

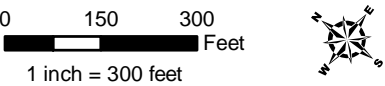
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PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB

Waterbodies

- Field Delineated Waterbody
- NHD Waterbody

NWI Waterbodies

- Lake/Pond
- Riverine



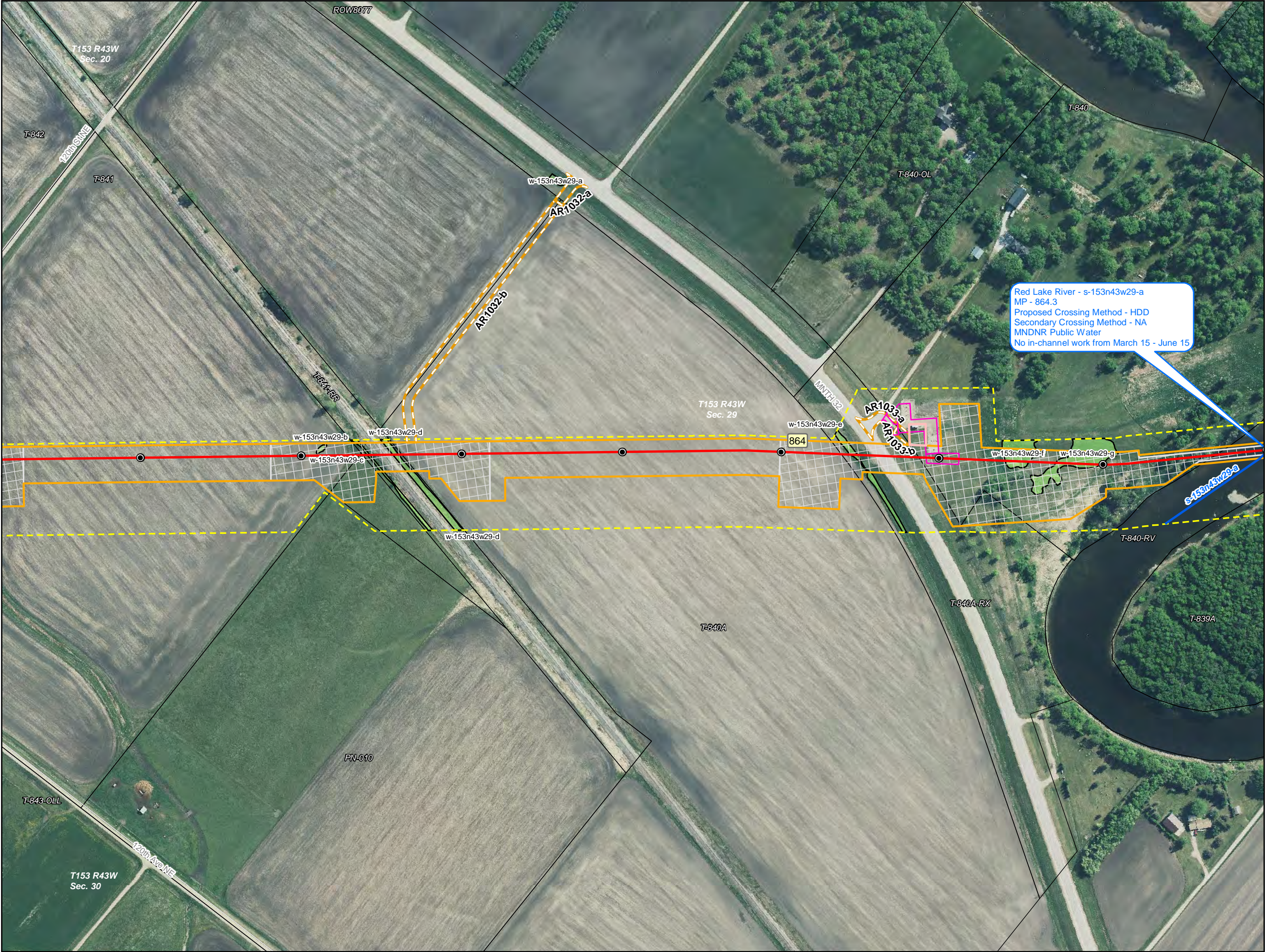
Detailed Route Maps

Line 3 Replacement Project

Pennington County, Minnesota



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- Milepost
- Line 3 Centerline
- Construction Workspace
- Access Road
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- Field Survey Partially or Not Complete
- Parcel Boundary
- County Boundary
- Section Boundary
- Cathodic Protection
- Valve Location
- Pump Station

Environmental Field Data

Wetlands

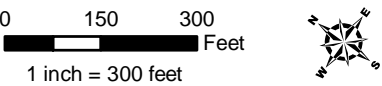
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PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB

Waterbodies

- Field Delineated Waterbody
- NHD Waterbody

NWI Waterbodies

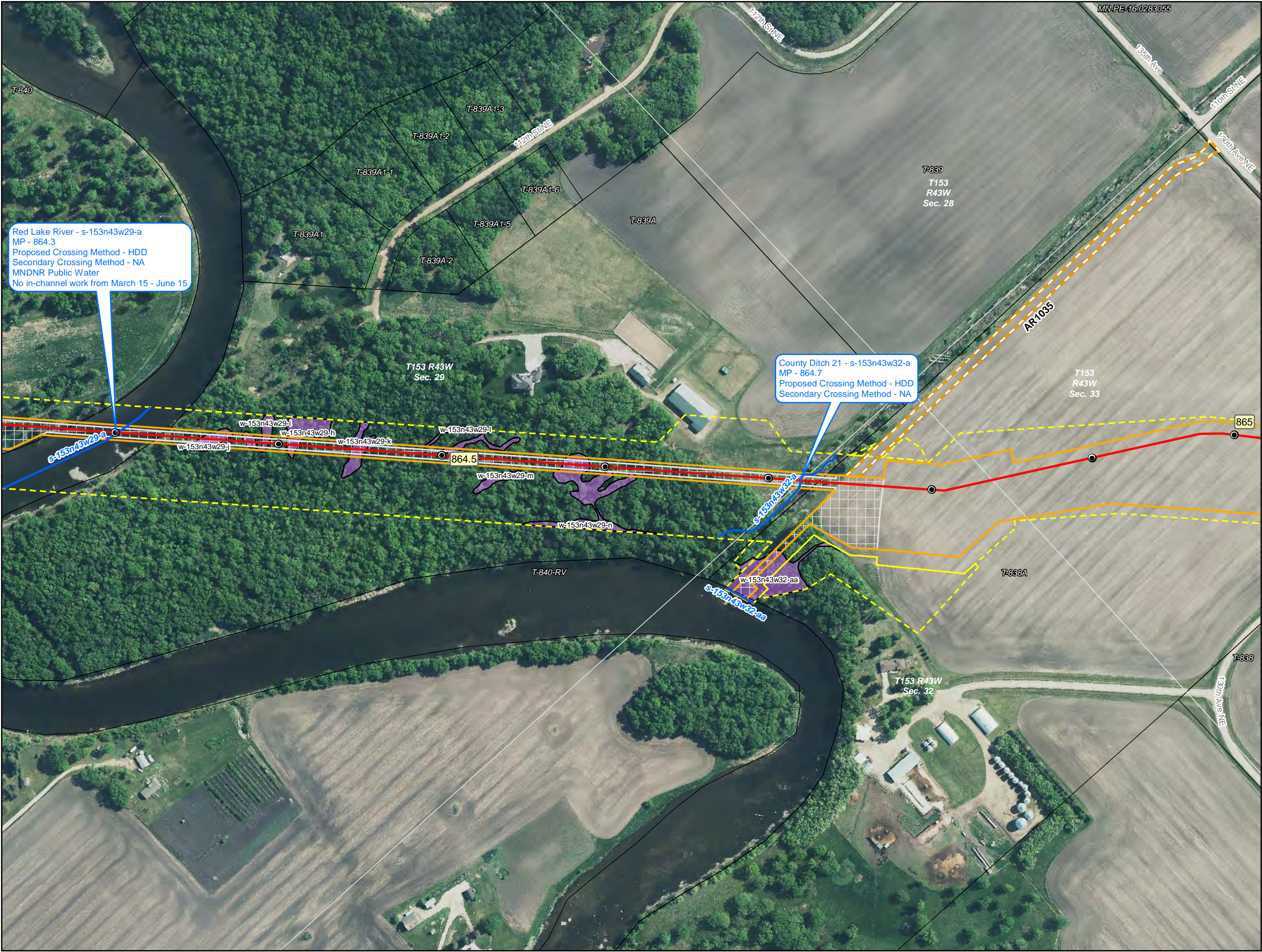
- Lake/Pond
- Riverine



Detailed Route Maps
Line 3 Replacement Project
Pennington County, Minnesota

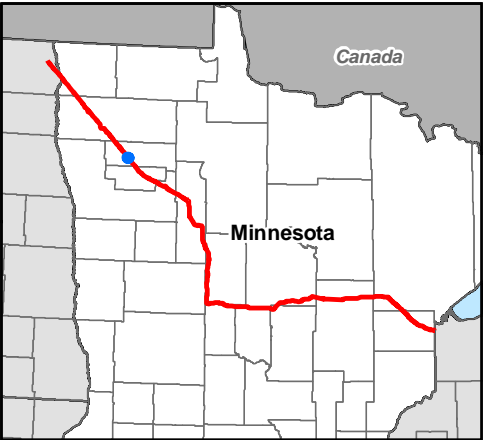


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Red Lake River - s-153n43w29-a
MP - 864.3
Proposed Crossing Method - HDD
Secondary Crossing Method - NA
MNDNR Public Water
No in-channel work from March 15 - June 15

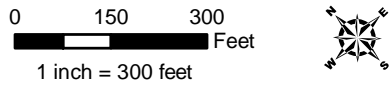
County Ditch 21 - s-153n43w32-a
MP - 864.7
Proposed Crossing Method - HDD
Secondary Crossing Method - NA



- Milepost
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- Construction Workspace
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- Survey Corridor
- Field Survey Partially or Not Complete
- Parcel Boundary
- County Boundary
- Section Boundary
- Cathodic Protection
- Valve Location
- Pump Station

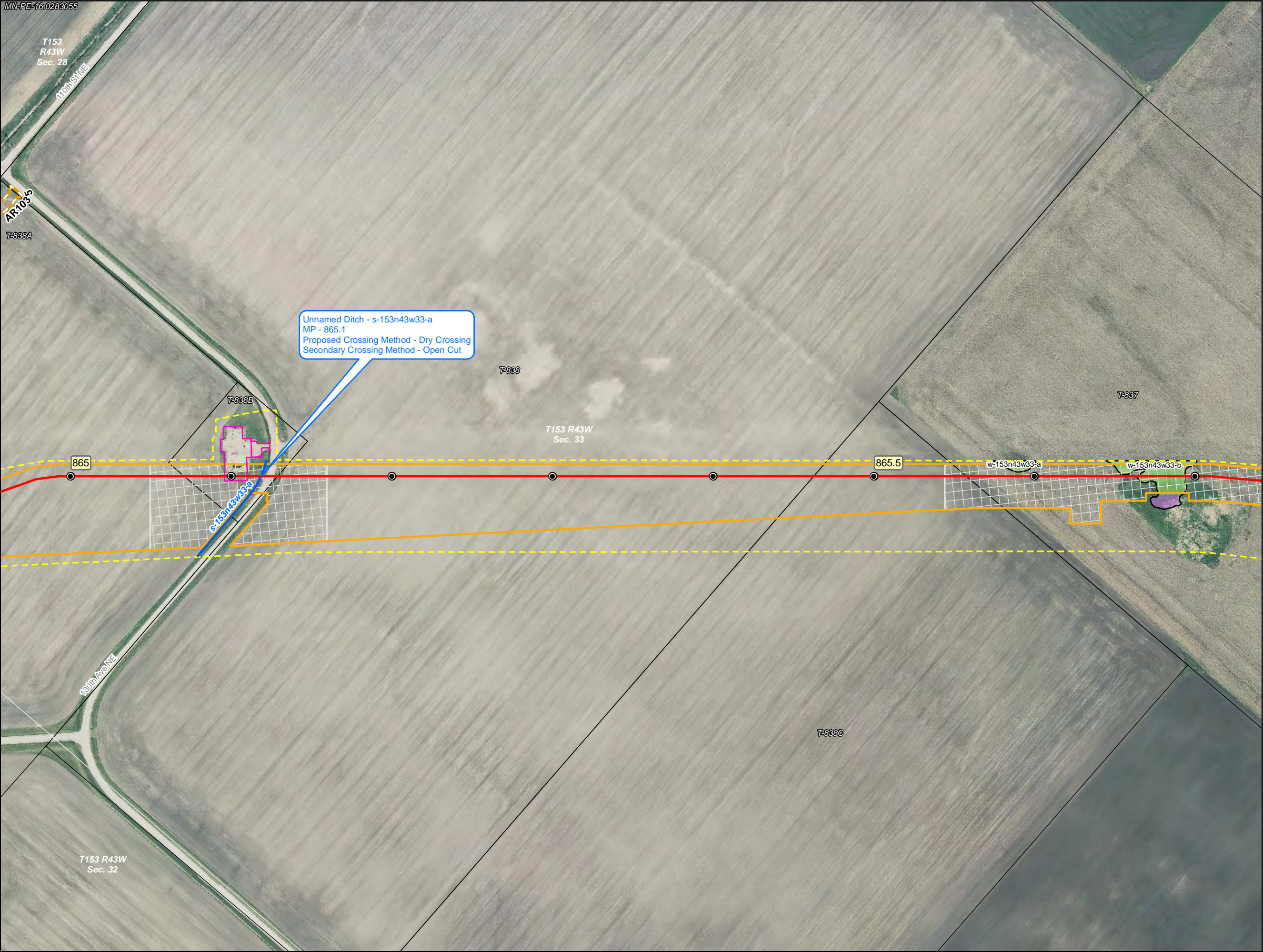
Environmental Field Data

- Wetlands**
- | Field Delineated Wetland | NWI Wetlands |
|--------------------------|--------------|
| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
- Waterbodies**
- Field Delineated Waterbody
 - NHD Waterbody
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 - Riverine



Detailed Route Maps
Line 3 Replacement Project
Pennington County, Minnesota

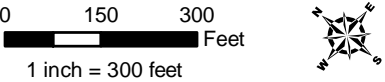




- Milepost
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- Pump Station

Environmental Field Data

- Wetlands**
- | | |
|--------------------------|--------------|
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| PEM | PEM |
| PFO | PFO |
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Detailed Route Maps

Line 3 Replacement Project

Pennington County, Minnesota

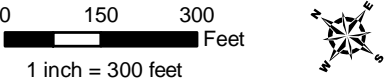




- Milepost
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Environmental Field Data

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Detailed Route Maps
Line 3 Replacement Project
Pennington County, Minnesota

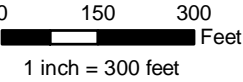




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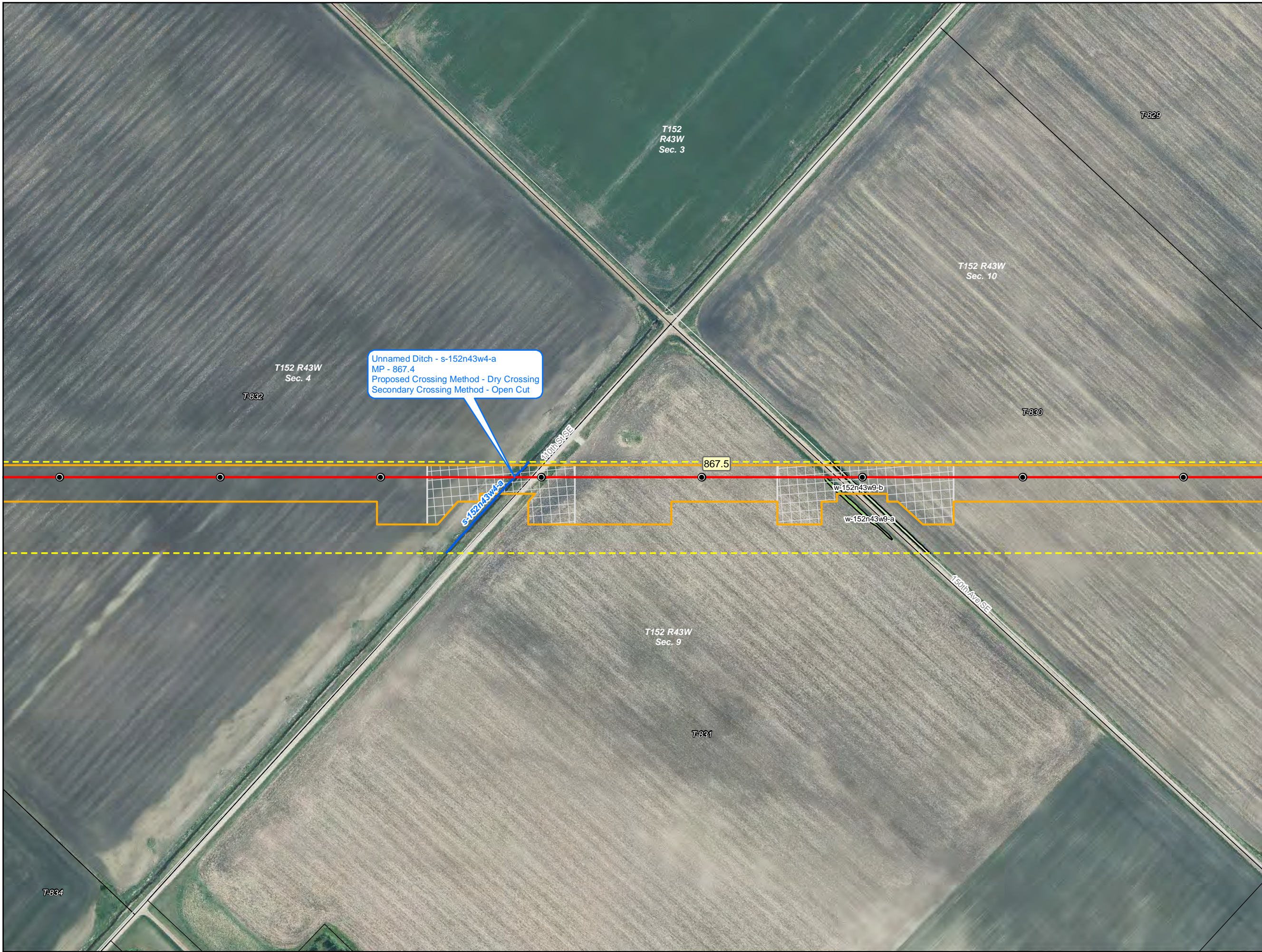
- Wetlands**
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|--------------------------|--------------|
| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
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Detailed Route Maps
Line 3 Replacement Project

Pennington County, Minnesota





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- Section Boundary
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Environmental Field Data

Wetlands

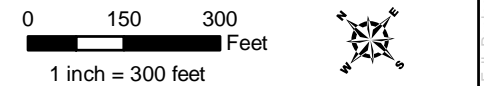
Field Delineated Wetland	NWI Wetlands
PEM	PEM
PFO	PFO
PSS	PSS
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Waterbodies

- Field Delineated Waterbody
- NHD Waterbody

NWI Waterbodies

- Lake/Pond
- Riverine



Detailed Route Maps

Line 3 Replacement Project

Pennington County, Minnesota

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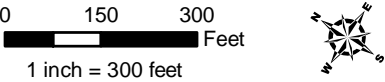


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Waterbodies	
Field Delineated Waterbody	NHD Waterbody
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Detailed Route Maps
Line 3 Replacement Project
Pennington County, Minnesota



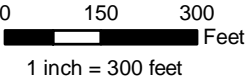
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- Milepost
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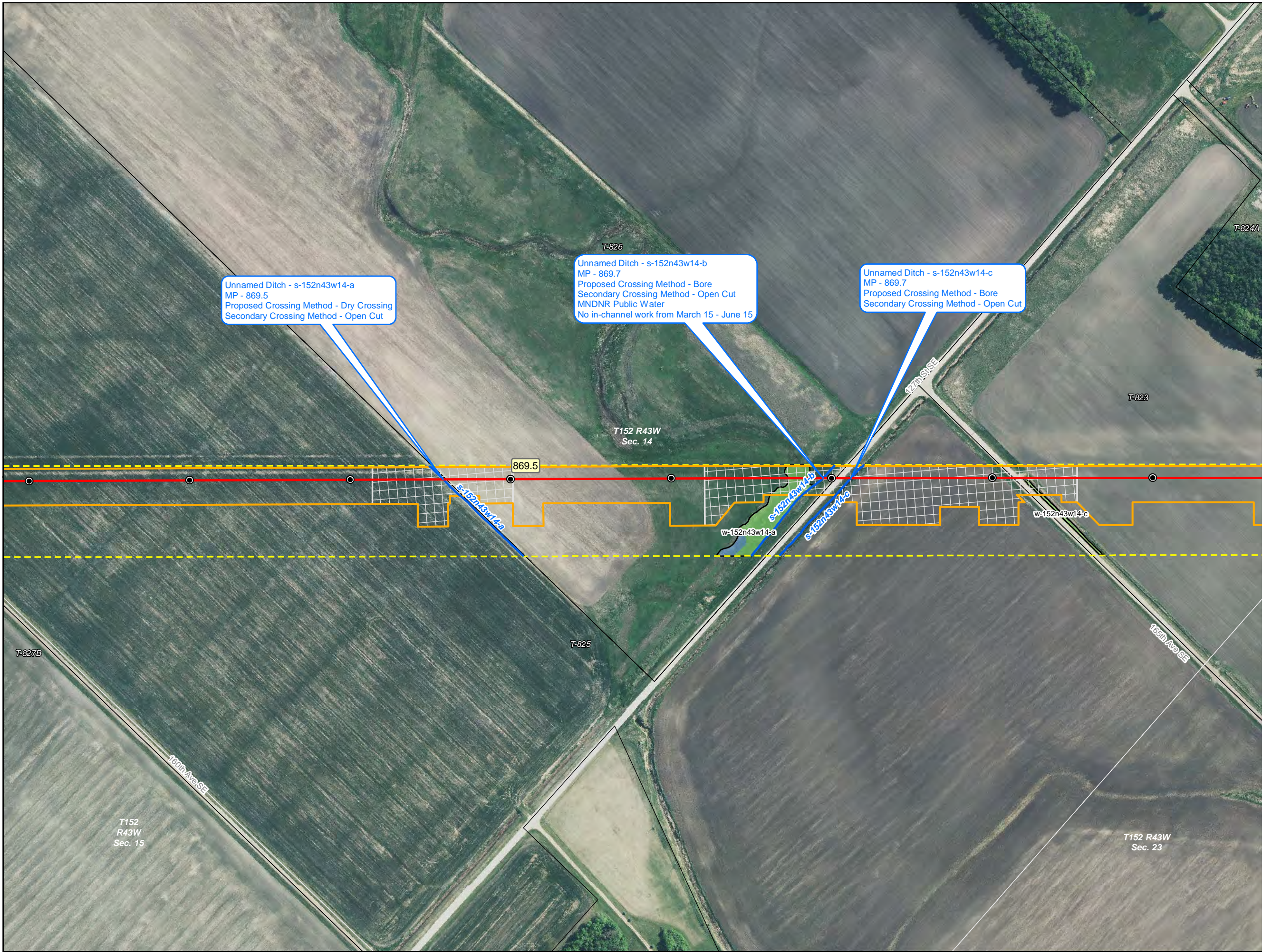
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- Wetlands**
- | | |
|--------------------------|--------------|
| Field Delineated Wetland | NWI Wetlands |
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Detailed Route Maps
Line 3 Replacement Project
Pennington County, Minnesota





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Environmental Field Data

Wetlands

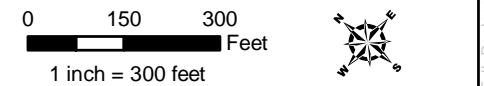
Field Delineated Wetland	NWI Wetlands
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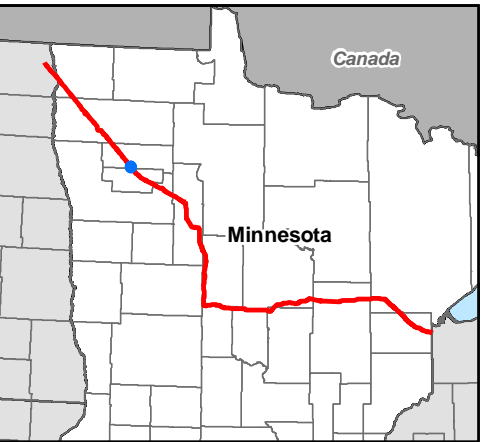
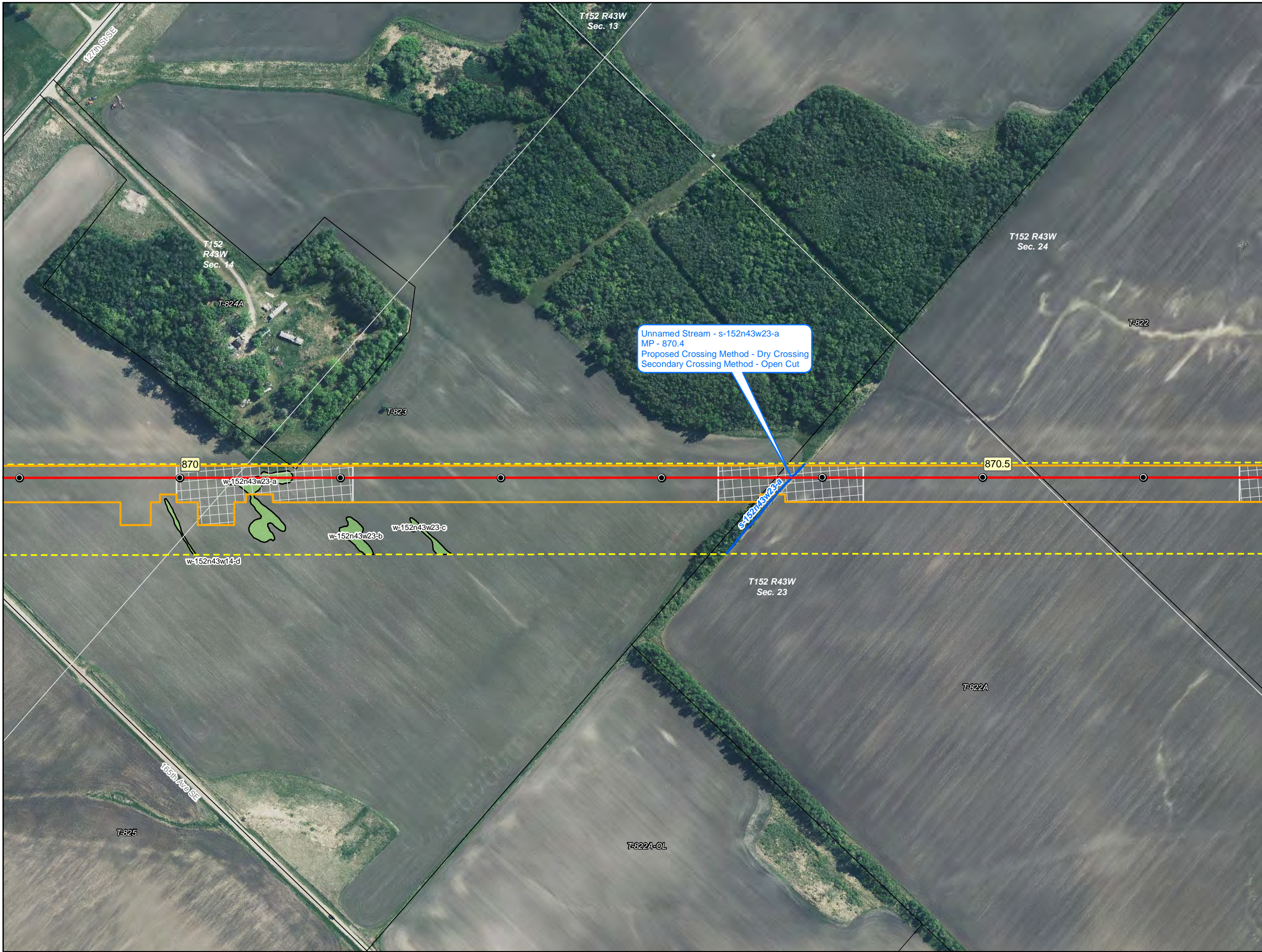
Detailed Route Maps

Line 3 Replacement Project

Pennington County, Minnesota



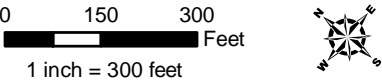
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Detailed Route Maps
Line 3 Replacement Project
Pennington County, Minnesota





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Detailed Route Maps

Line 3 Replacement Project

Pennington and Red Lake Counties, Minnesota



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Wetlands

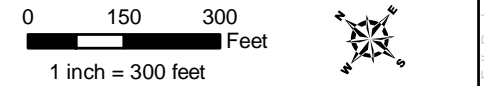
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PUB	PUB

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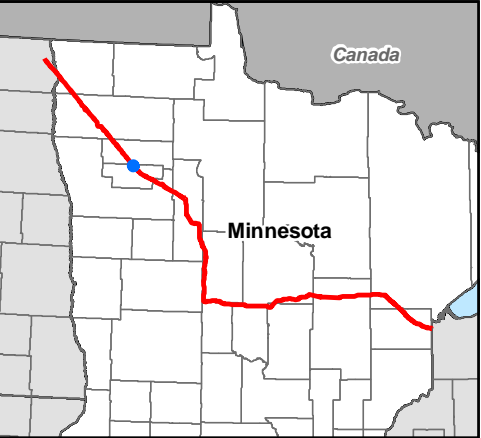


Detailed Route Maps

Line 3 Replacement Project

Pennington and Red Lake Counties, Minnesota

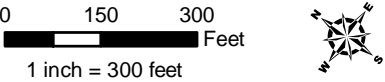
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- Milepost
- Line 3 Centerline
- Construction Workspace
- Access Road
- Haul Road/Corner Improvement
- COE Permit Area
- Survey Corridor
- Field Survey Partially or Not Complete
- Parcel Boundary
- County Boundary
- Section Boundary
- Cathodic Protection
- Valve Location
- Pump Station

Environmental Field Data

- Wetlands**
- | | |
|--------------------------|--------------|
| Field Delineated Wetland | NWI Wetlands |
| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
- Waterbodies**
- Field Delineated Waterbody
 - NHD Waterbody
- NWI Waterbodies**
- Lake/Pond
 - Riverine



Detailed Route Maps
Line 3 Replacement Project
Red Lake County, Minnesota



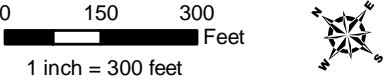
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|--------------------------|--------------|
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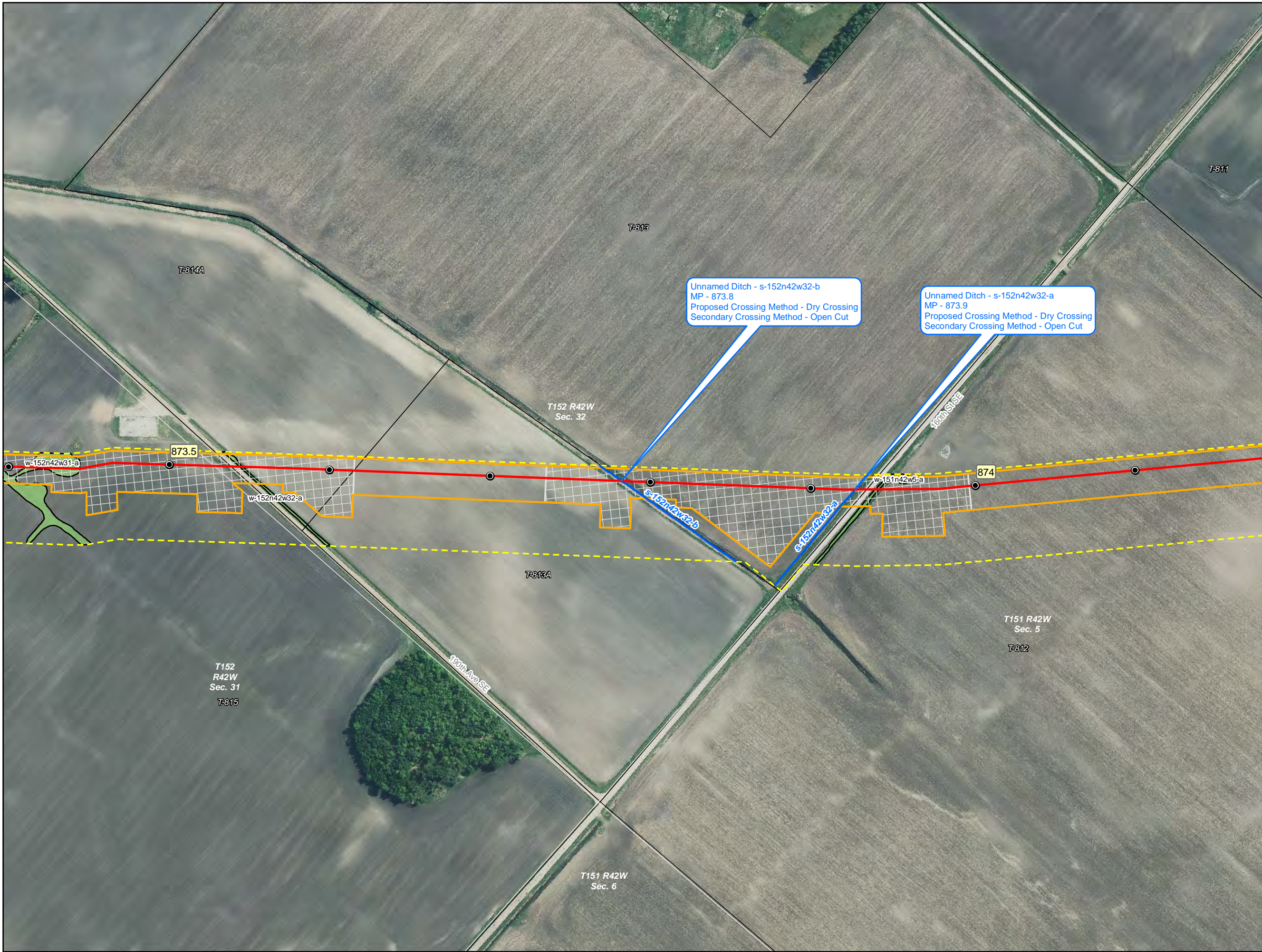


Detailed Route Maps

Line 3 Replacement Project

Red Lake County, Minnesota





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Environmental Field Data

Wetlands

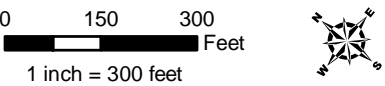
Field Delineated Wetland	NWI Wetlands
PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB

Waterbodies

- Field Delineated Waterbody
- NHD Waterbody

NWI Waterbodies

- Lake/Pond
- Riverine



Detailed Route Maps

Line 3 Replacement Project

Red Lake County, Minnesota



Source: Z:\Client\E_Hlenbroge\Line_3_Full_Replacement\Permitting\Federal\COE\2019_11\Figures\3_MN_COE_Alignment_Sheets_RevX.mxd Date: (10/31/2019)

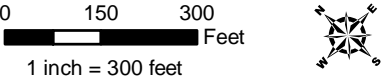


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- | | |
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Detailed Route Maps
Line 3 Replacement Project
Red Lake County, Minnesota





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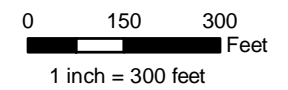
Environmental Field Data

Wetlands

Field Delineated Wetland	NWI Wetlands
PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB

Waterbodies

Field Delineated Waterbody	
NHD Waterbody	
NWI Waterbodies	
Lake/Pond	
Riverine	

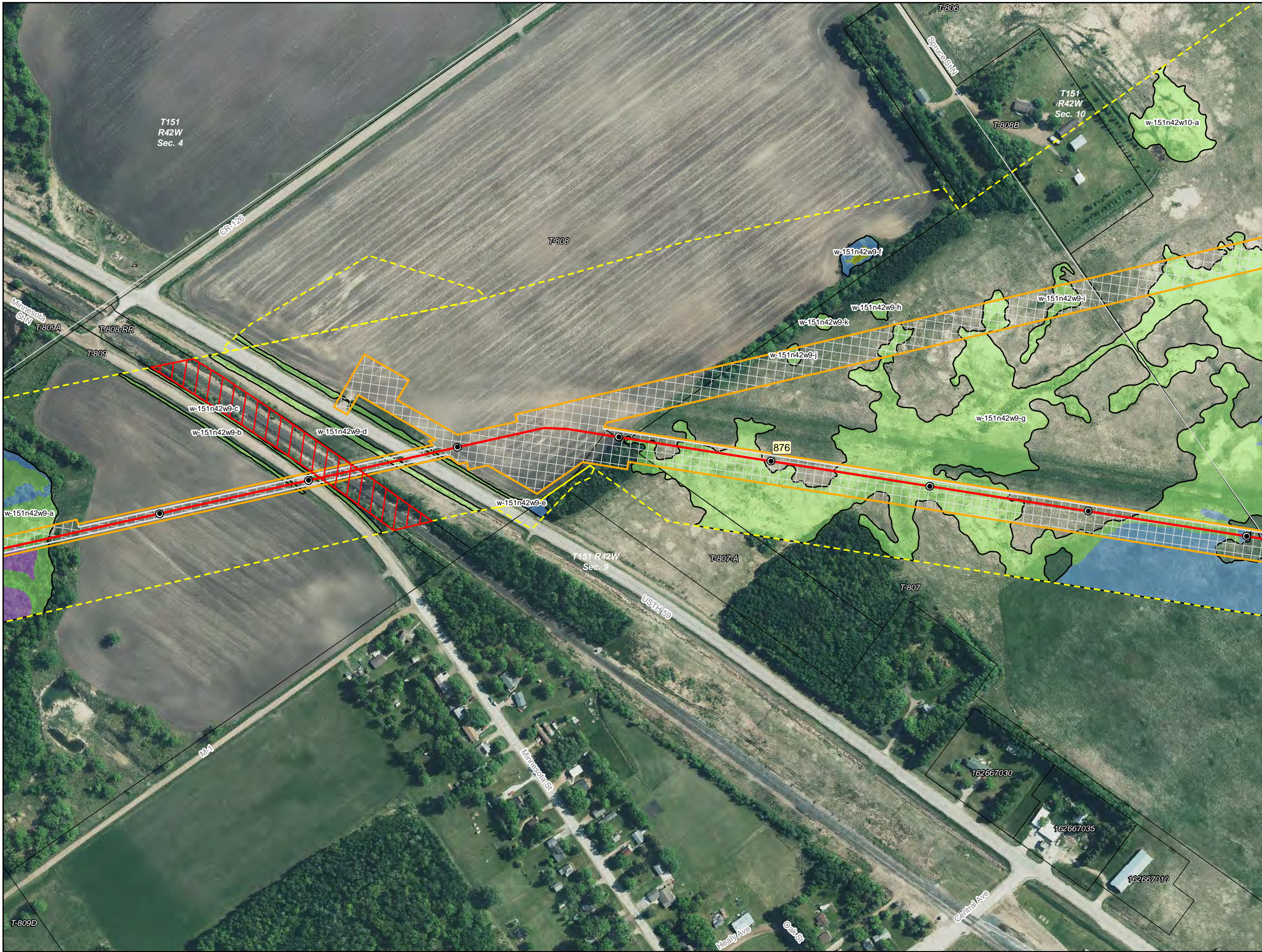


Detailed Route Maps

Line 3 Replacement Project

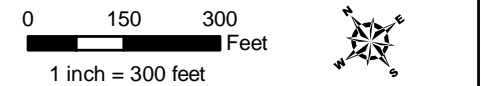
Red Lake County, Minnesota





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Detailed Route Maps

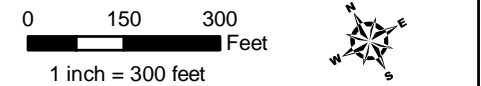
Line 3 Replacement Project

Red Lake County, Minnesota



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Detailed Route Maps

Line 3 Replacement Project

Red Lake County, Minnesota

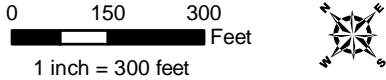




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Detailed Route Maps

Line 3 Replacement Project

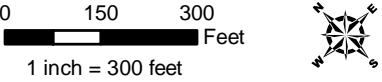
Red Lake County, Minnesota





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Detailed Route Maps

Line 3 Replacement Project

Red Lake County, Minnesota



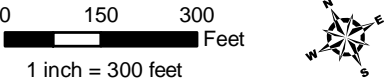
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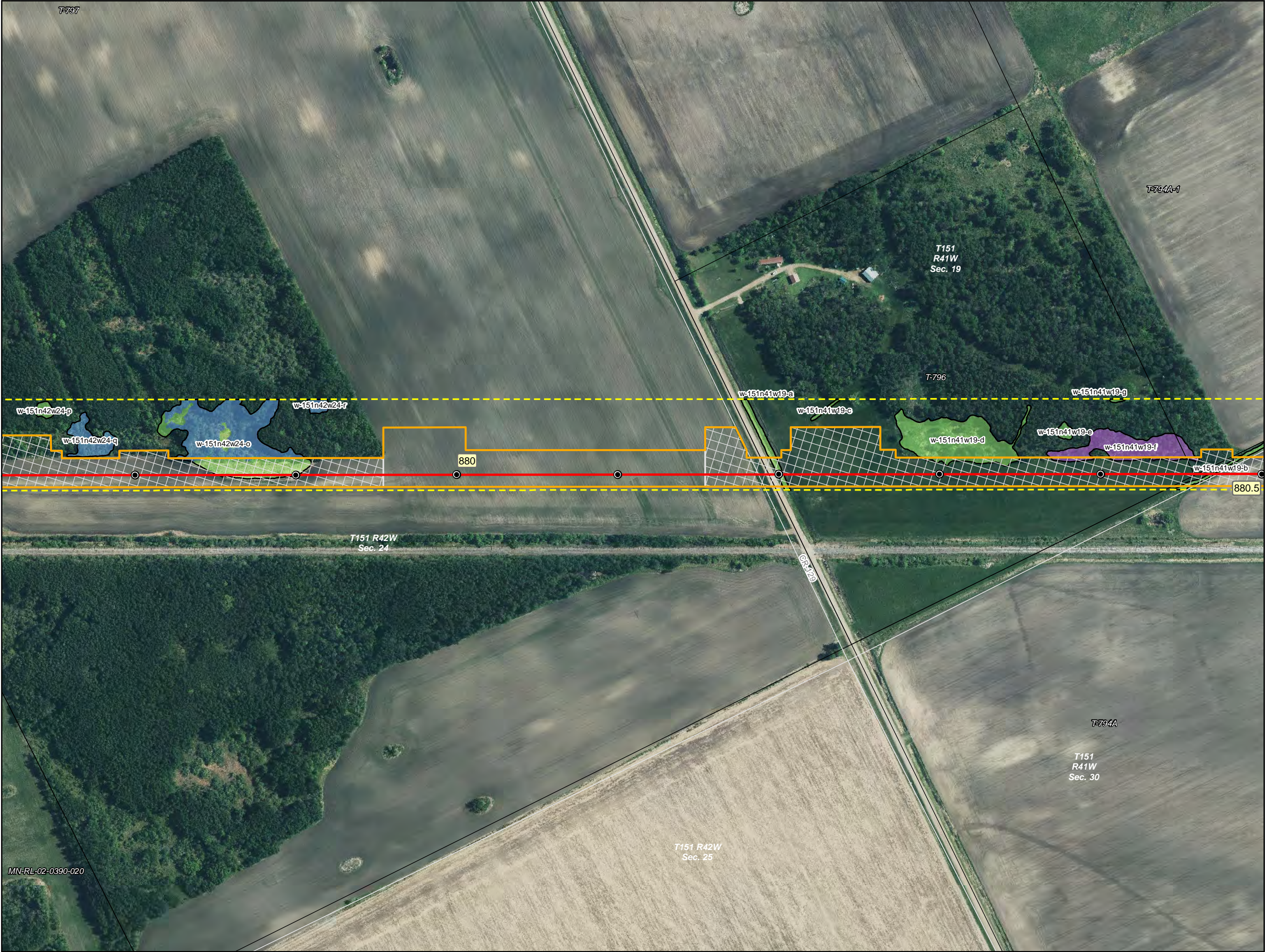
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Detailed Route Maps
Line 3 Replacement Project
Red Lake County, Minnesota



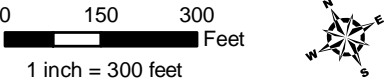
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Red Lake County, Minnesota

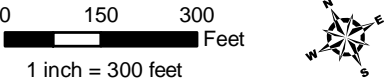




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Detailed Route Maps
Line 3 Replacement Project
Red Lake County, Minnesota

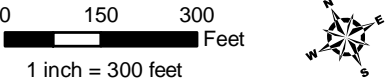




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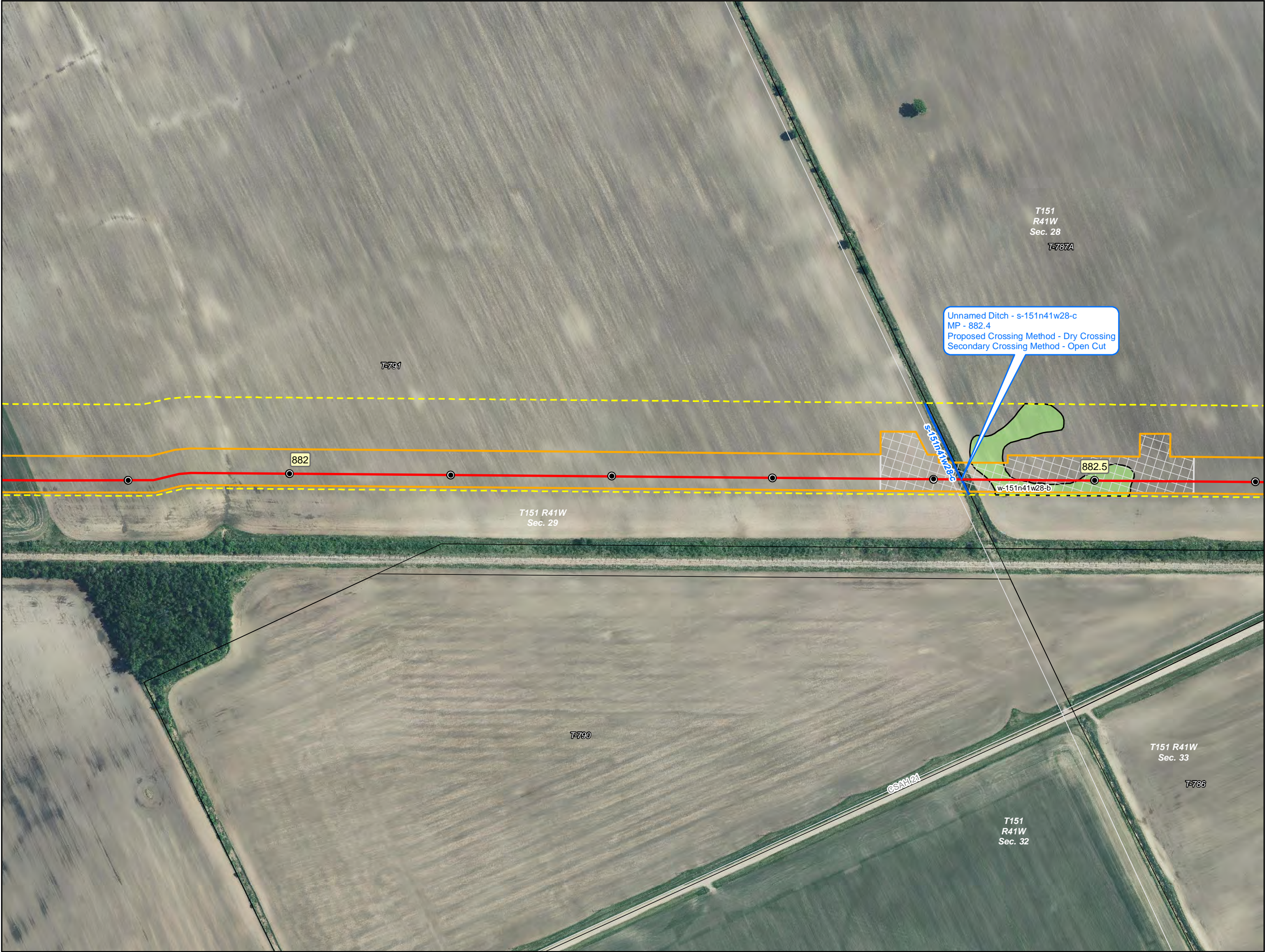


Detailed Route Maps

Line 3 Replacement Project

Red Lake County, Minnesota

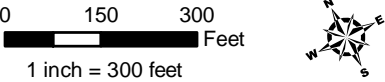




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Detailed Route Maps

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Red Lake County, Minnesota





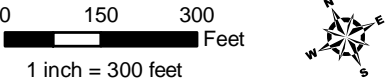
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MP - 883.5
Proposed Crossing Method - Dry Crossing
Secondary Crossing Method - Open Cut



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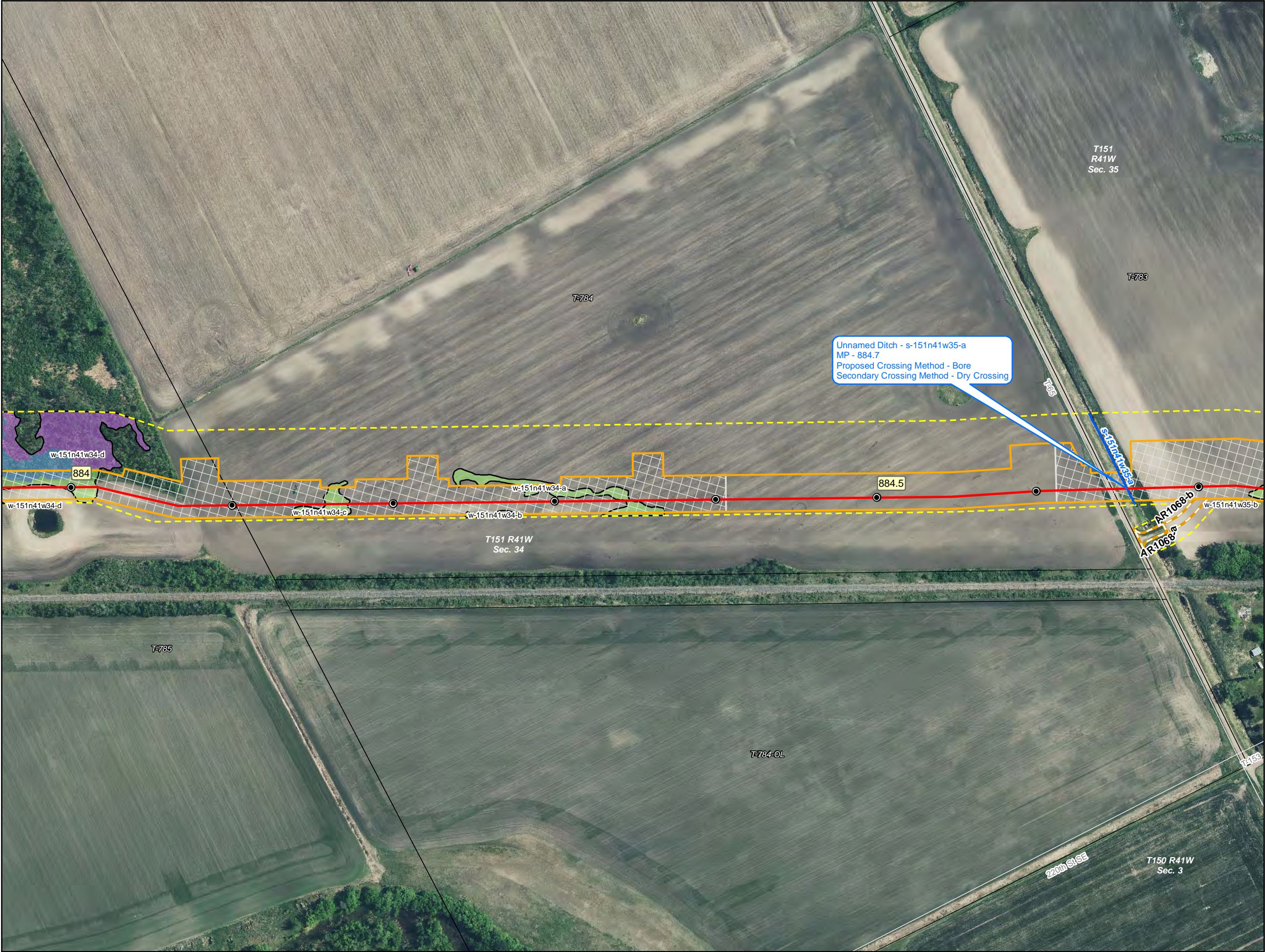
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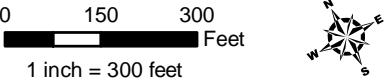




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