

- 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

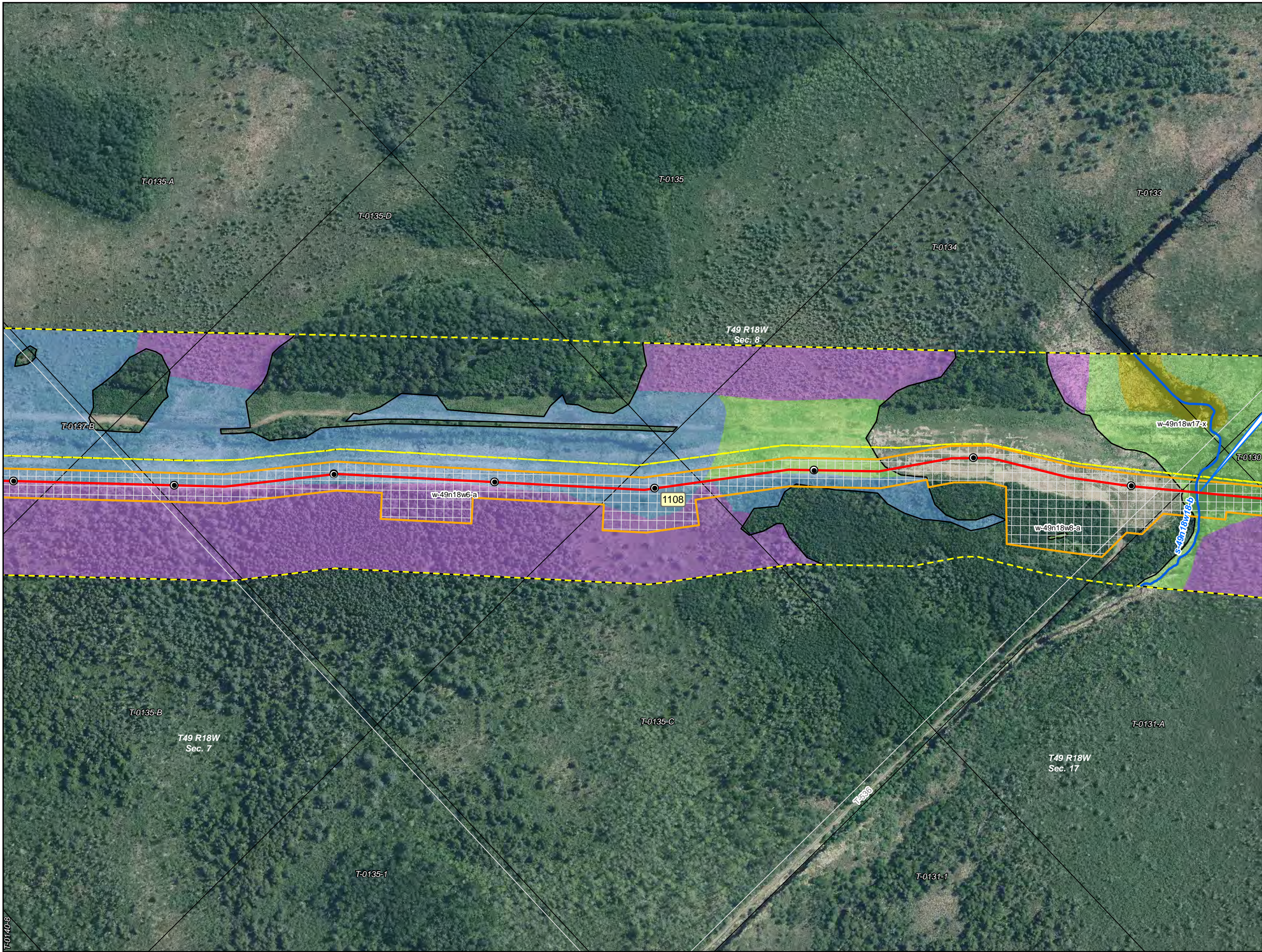


Detailed Route Maps
Line 3 Replacement Project

Carlton County, Minnesota

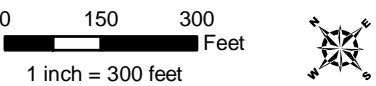


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- Milepost
- Line 3 Centerline
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- Access Road
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- Valve Location
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Environmental Field Data	
Wetlands	
Field Delineated Wetland	NWI Wetlands
PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB
Waterbodies	
Field Delineated Waterbody	
NHD Waterbody	
NWI Waterbodies	
Lake/Pond	
Riverine	



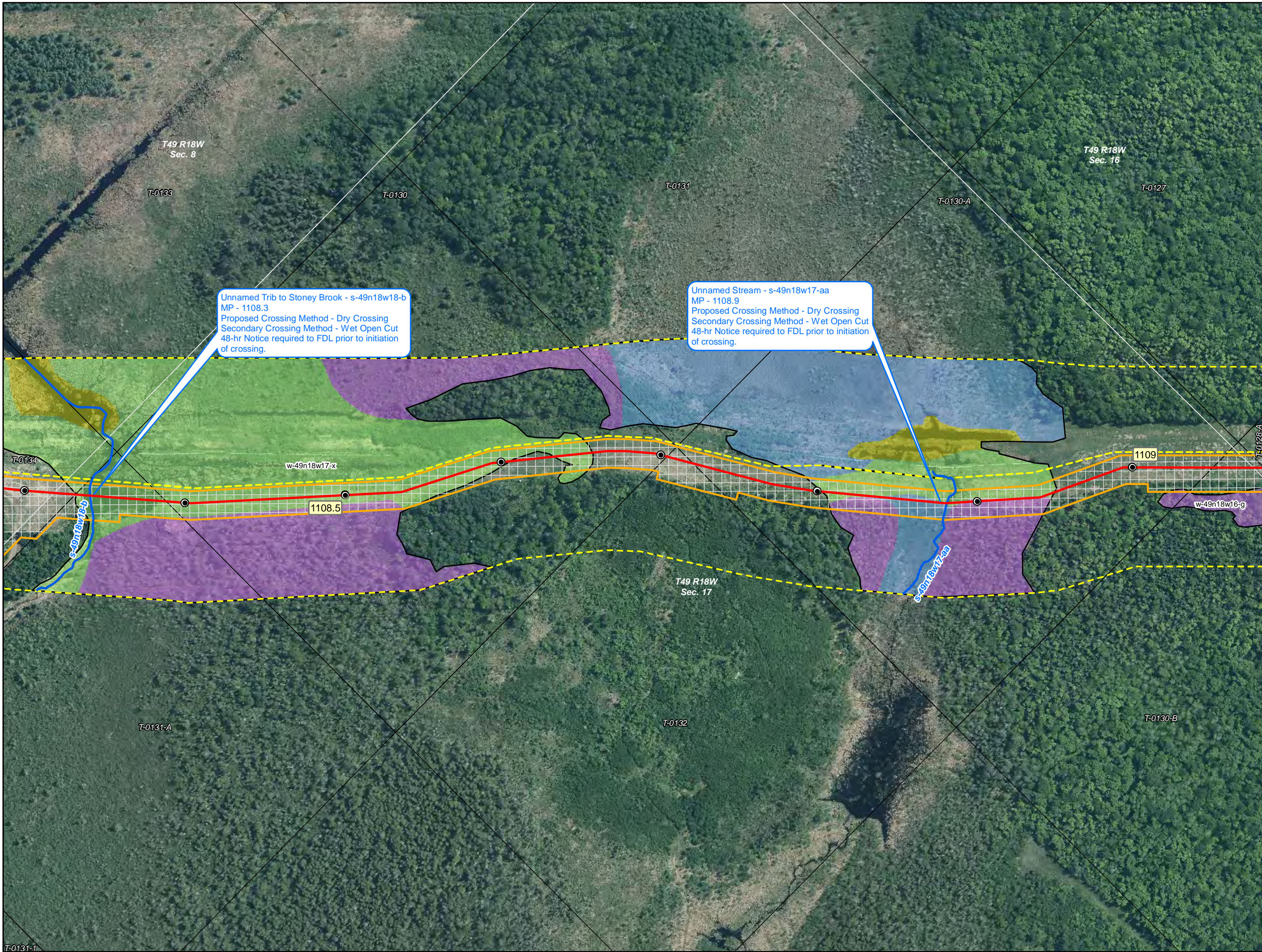
Detailed Route Maps

Line 3 Replacement Project

Carlton County, Minnesota



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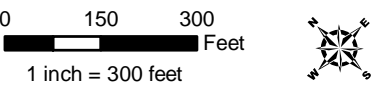
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- Line 3 Centerline
- Construction Workspace
- Access Road
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- Survey Corridor
- Field Survey Partially or Not Complete
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Environmental Field Data

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

Waterbodies

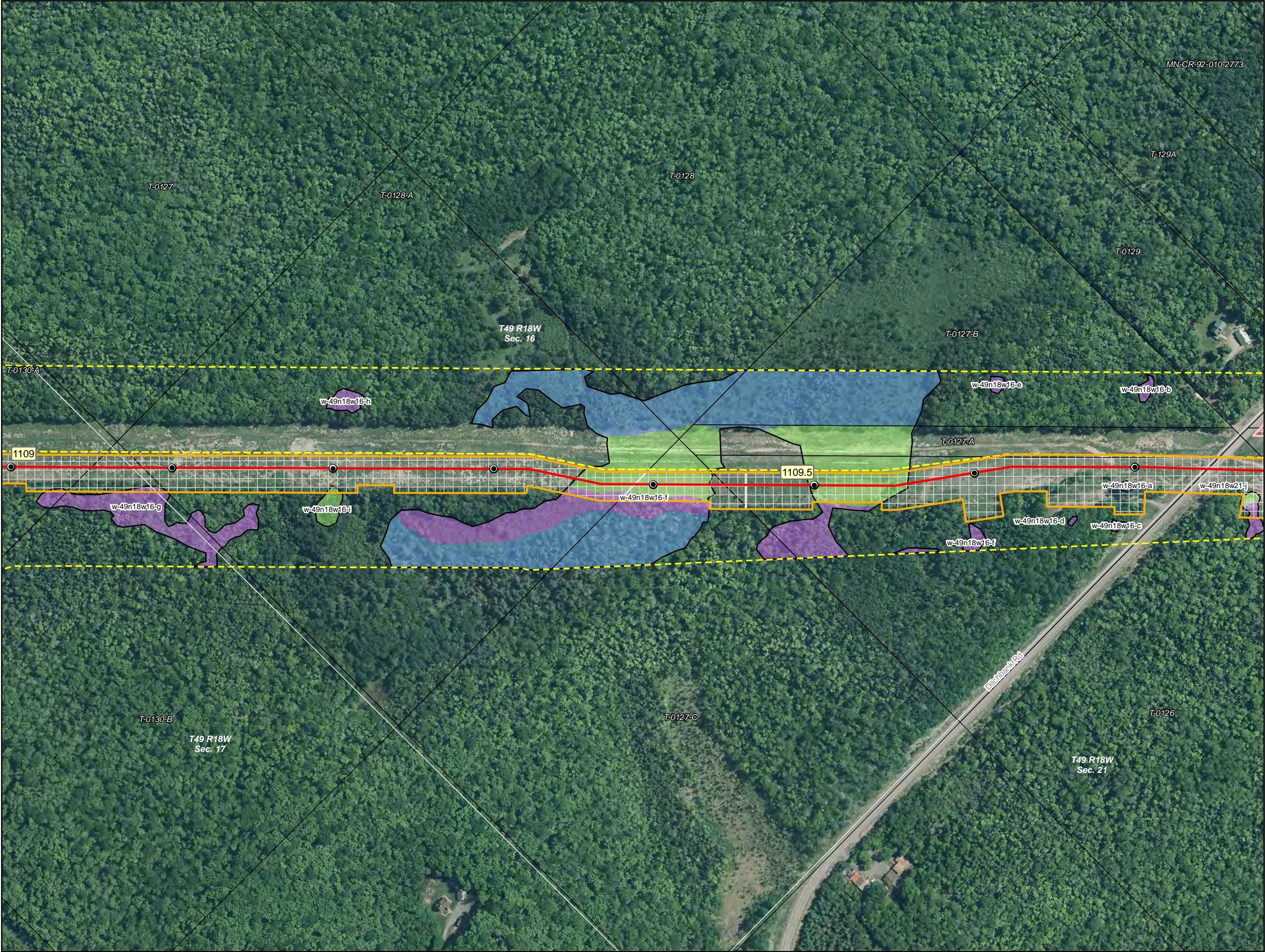
Field Delineated Waterbody	
NHD Waterbody	
NWI Waterbodies	
Lake/Pond	
Riverine	



Detailed Route Maps
Line 3 Replacement Project
Carlton 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
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- Pump Station

Environmental Field Data

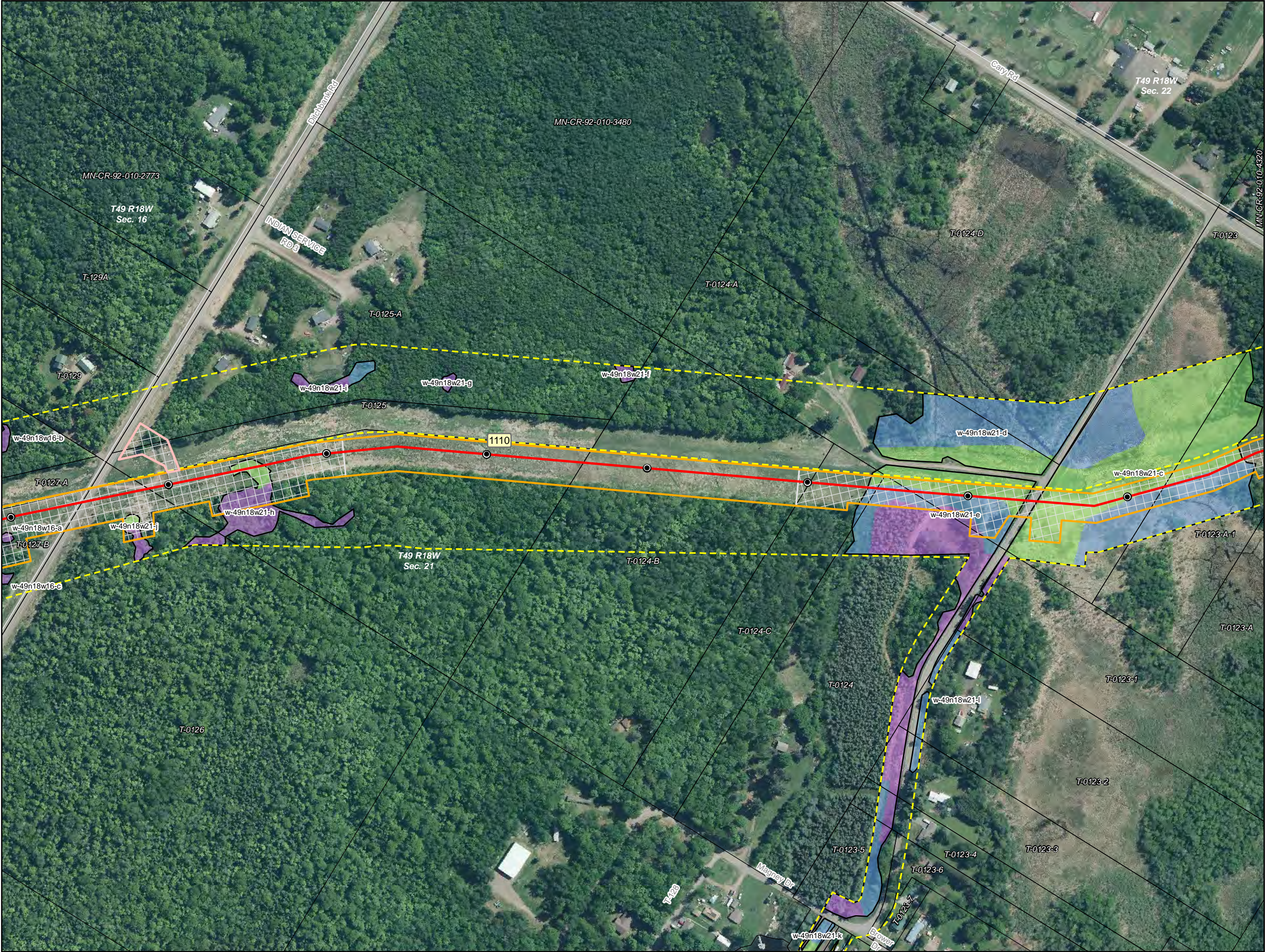
- Wetlands**
- | | |
|--------------------------|--------------|
| Field Delineated Wetland | NWI Wetlands |
| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
- Waterbodies**
- Field Delineated Waterbody
 - NHD Waterbody
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Detailed Route Maps
Line 3 Replacement Project
Carlton County, Minnesota



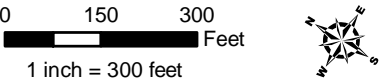
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- Milepost
- Line 3 Centerline
- Construction Workspace
- Access Road
- Haul Road/Corner Improvement
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- Survey Corridor
- Field Survey Partially or Not Complete
- Parcel Boundary
- County Boundary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

Environmental Field Data

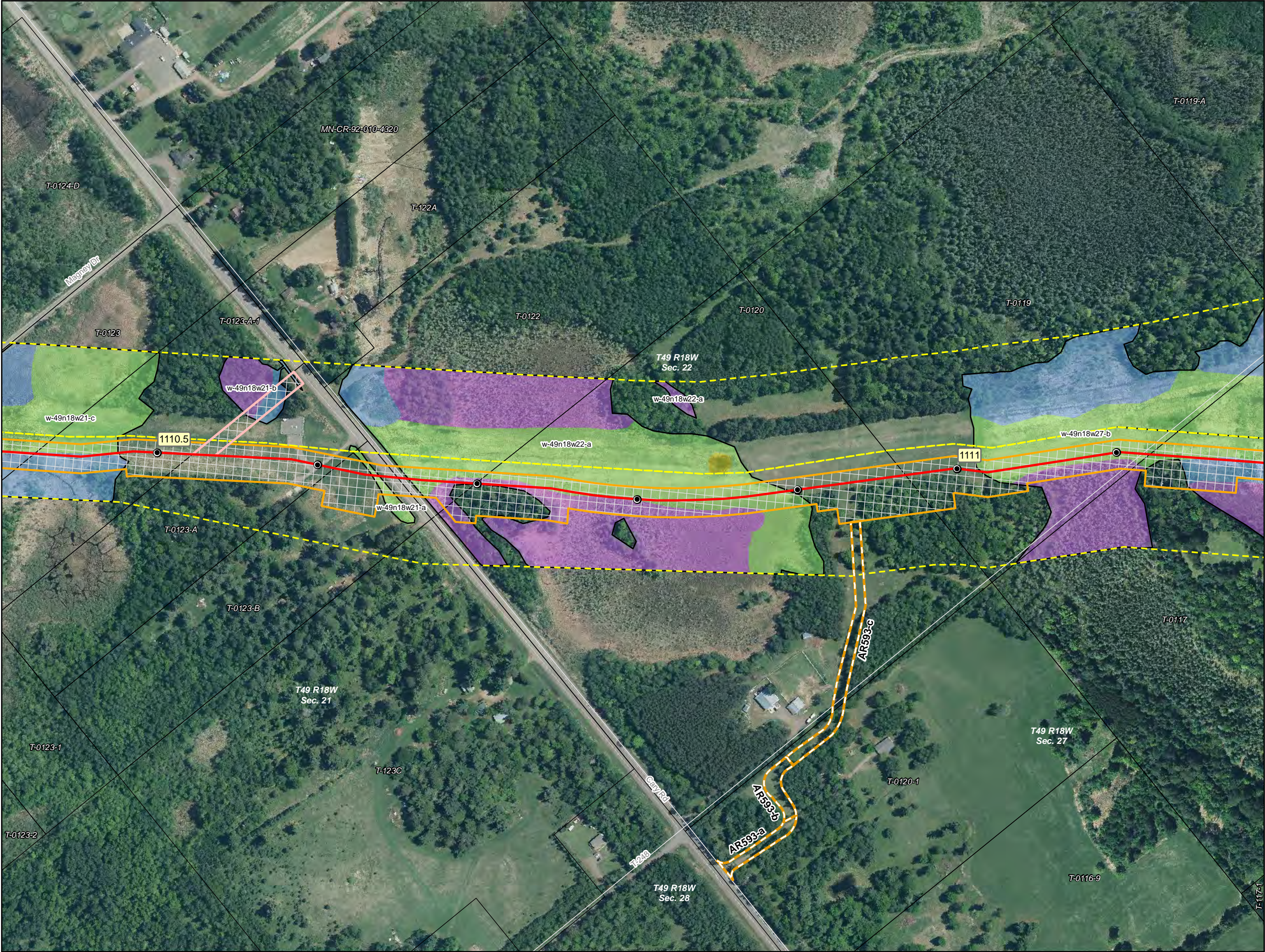
- Wetlands**
- | | |
|--------------------------|--------------|
| Field Delineated Wetland | NWI Wetlands |
| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
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- Waterbodies**
- Field Delineated Waterbody
 - NHD Waterbody
- NWI Waterbodies
- Lake/Pond
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Detailed Route Maps
Line 3 Replacement Project

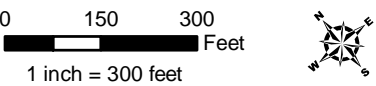
Carlton County, Minnesota





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



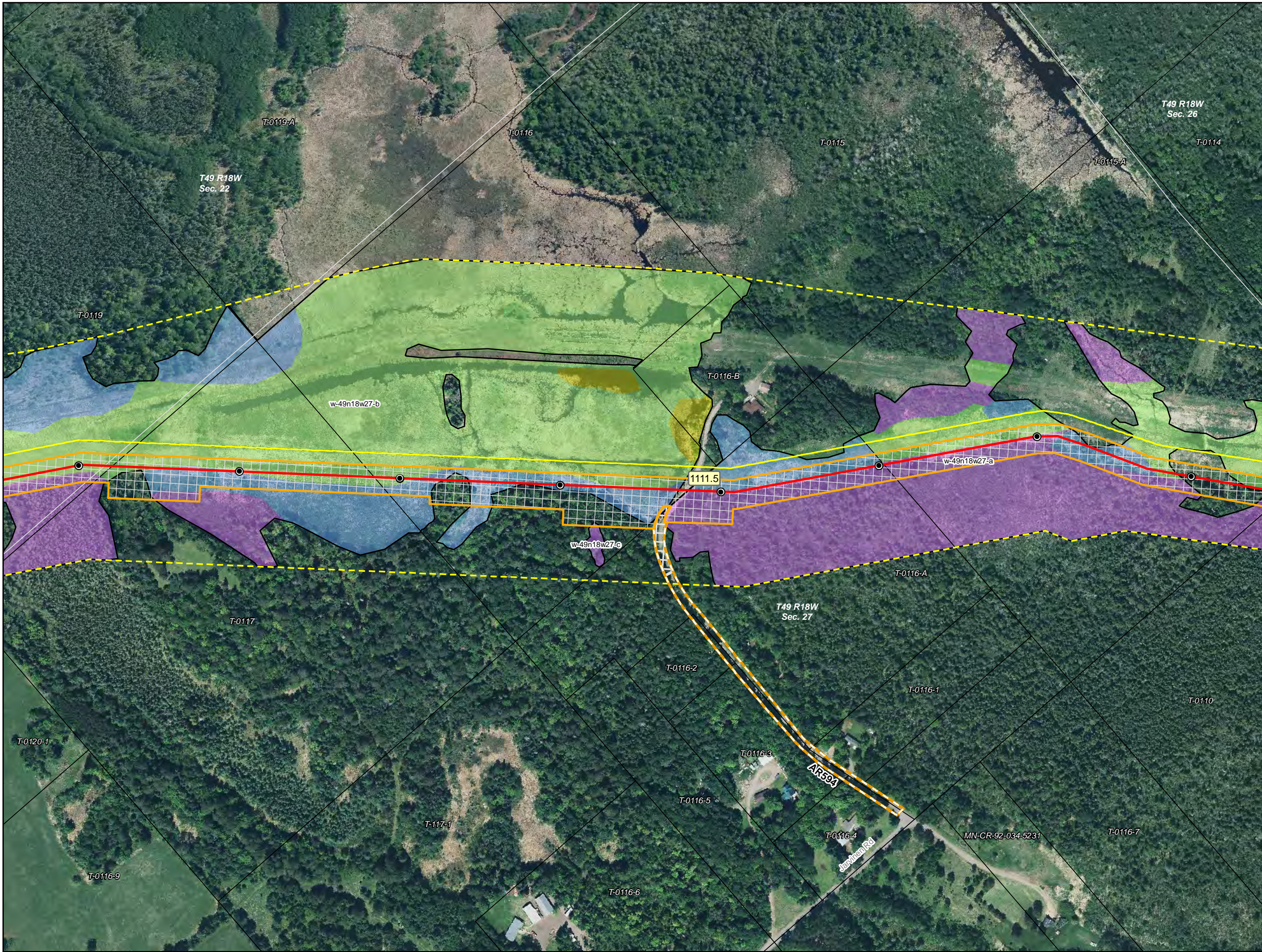
Detailed Route Maps

Line 3 Replacement Project

Carlton County, Minnesota

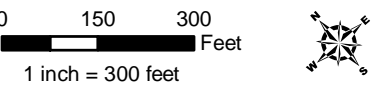


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- Milepost
- Line 3 Centerline
- Construction Workspace
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- Field Survey Partially or Not Complete
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- Cathodic Protection
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- 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

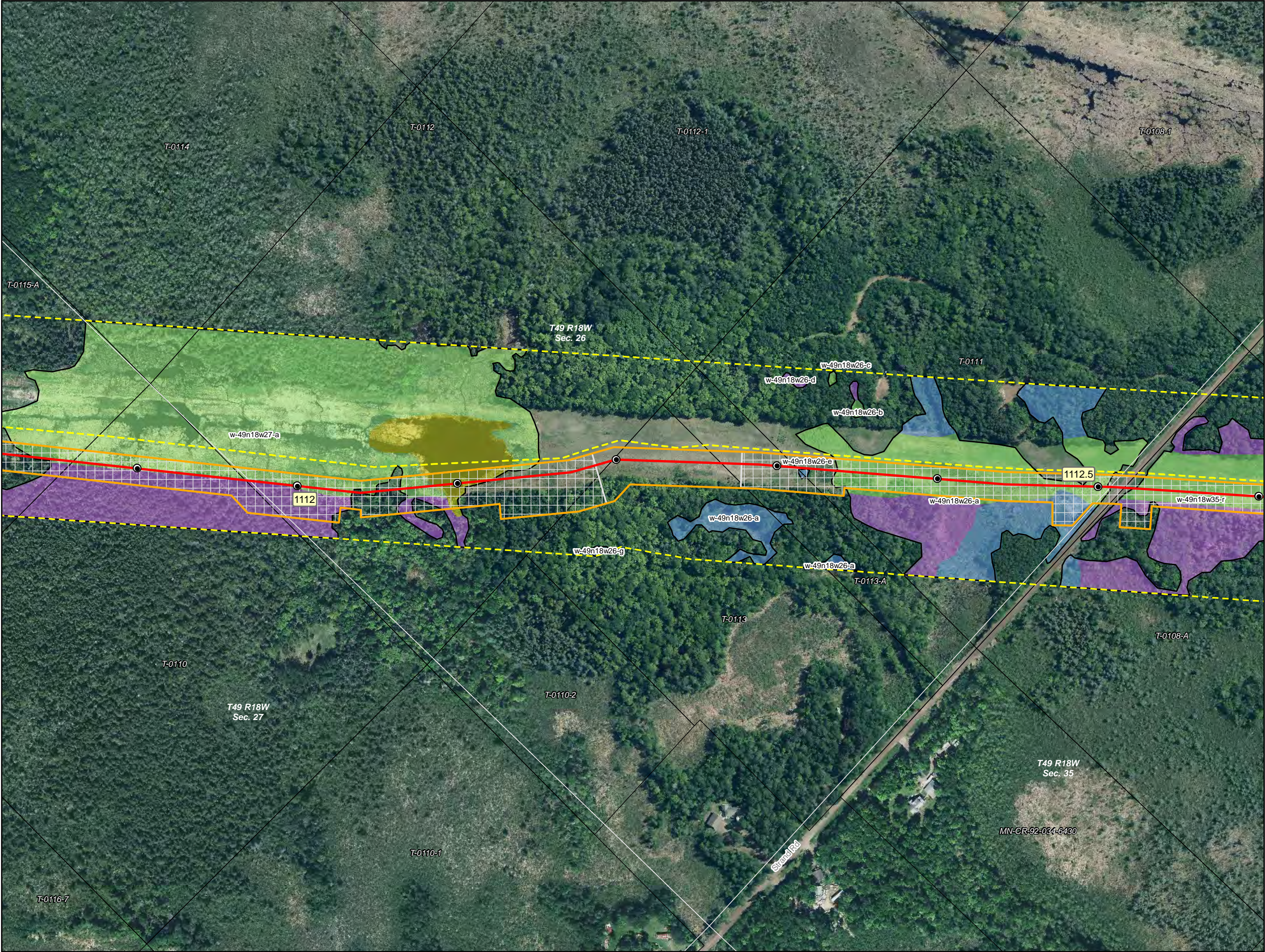


Detailed Route Maps

Line 3 Replacement Project

Carlton County, Minnesota

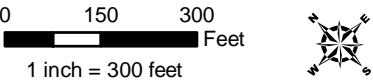




- Milepost
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- | | |
|--------------------------|--------------|
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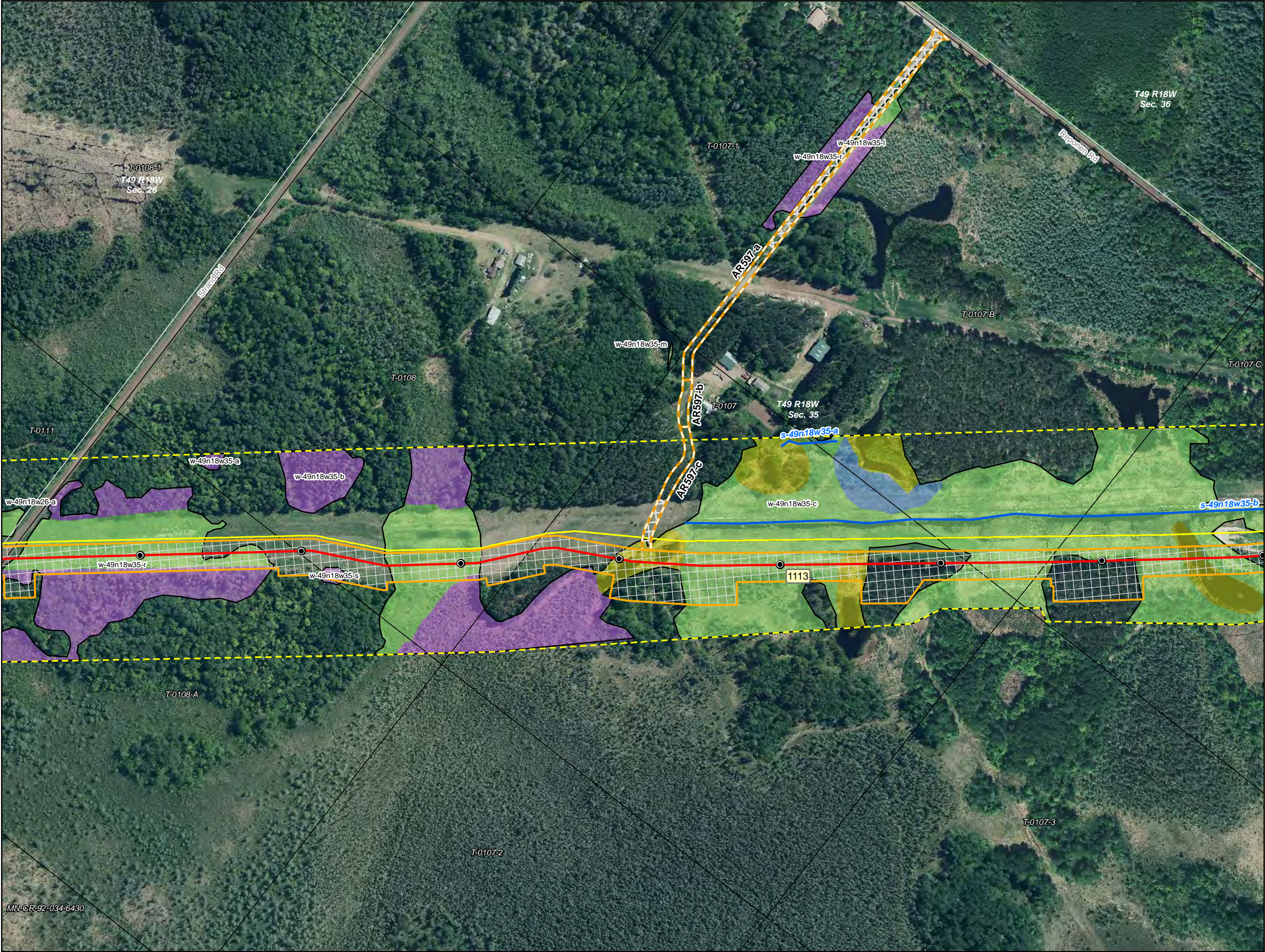
Detailed Route Maps

Line 3 Replacement Project

Carlton County, Minnesota



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- Milepost
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Environmental Field Data

Wetlands

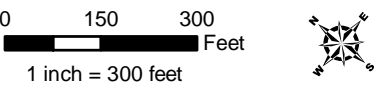
Field Delineated Wetland	NWI Wetlands
PEM	PEM
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Waterbodies

- Field Delineated Waterbody
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Detailed Route Maps

Line 3 Replacement Project

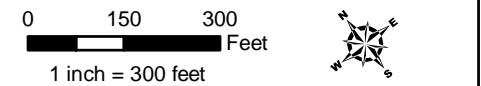
Carlton County, Minnesota





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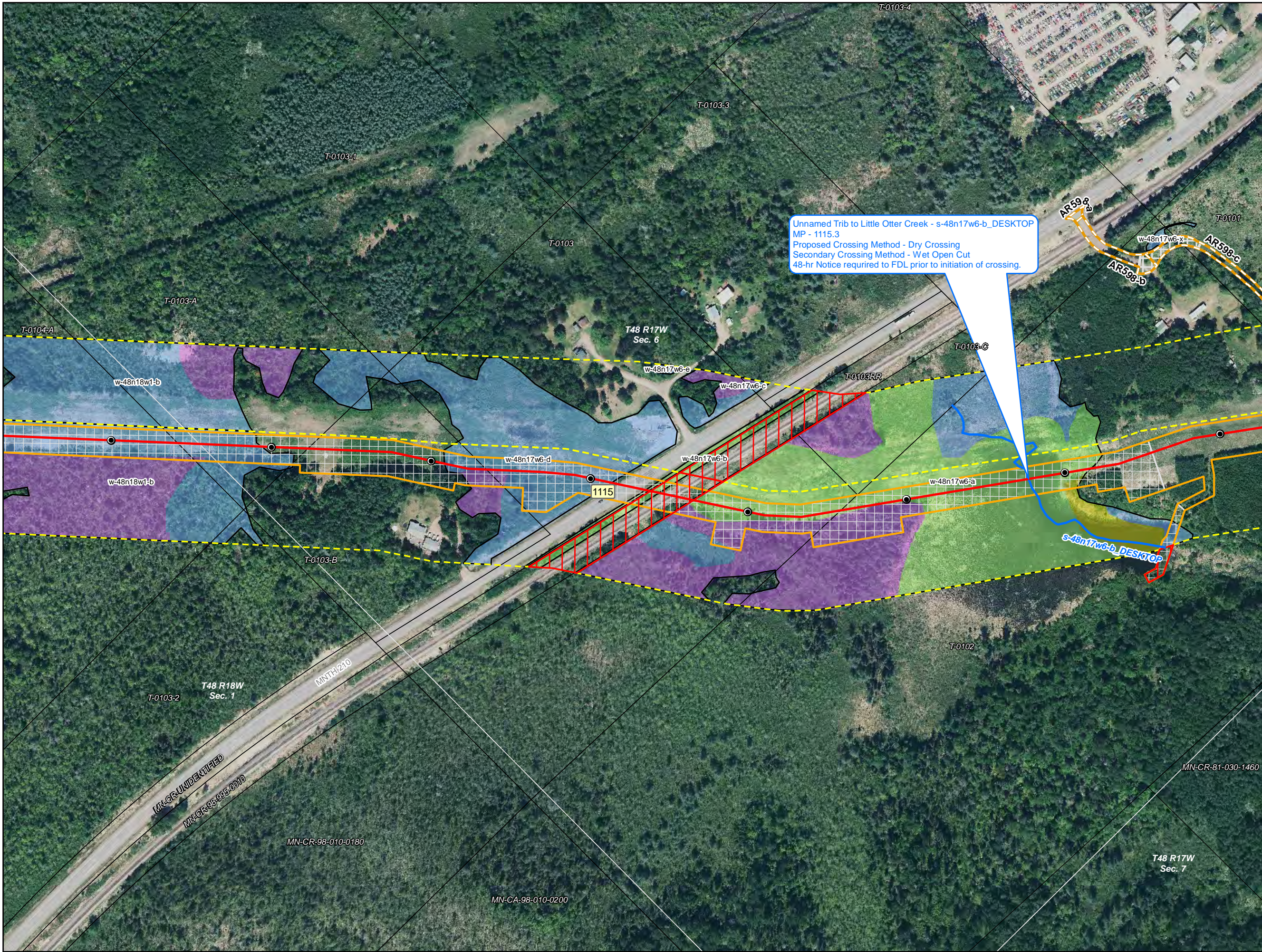
Detailed Route Maps

Line 3 Replacement Project

Carlton County, Minnesota



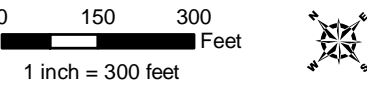
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- Milepost
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Environmental Field Data

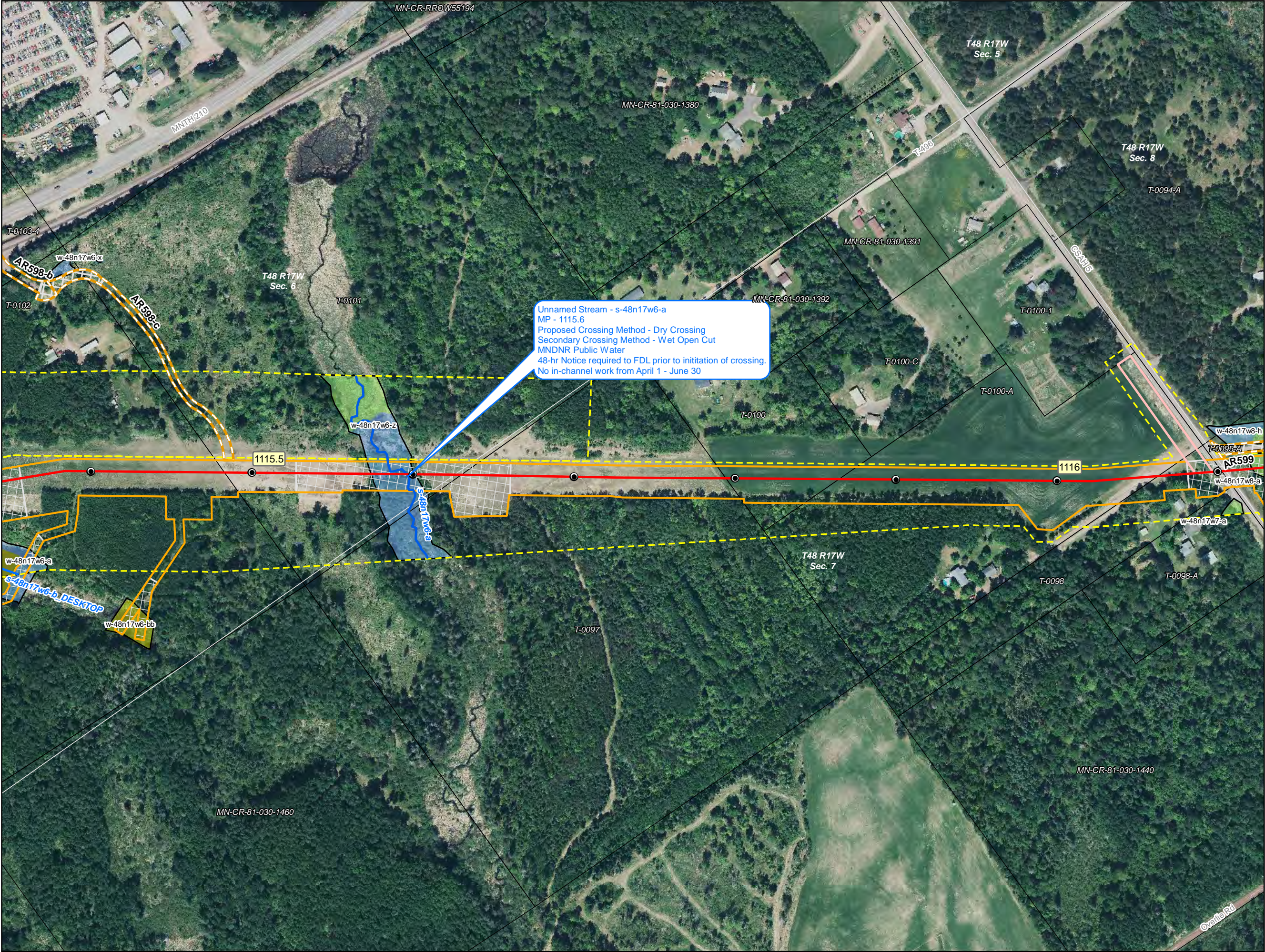
- Wetlands**
- | Field Delineated Wetland | NWI Wetlands |
|--------------------------|--------------|
| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
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Detailed Route Maps
Line 3 Replacement Project

Carlton County, Minnesota

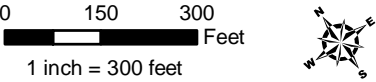




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| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
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- Field Delineated Waterbody
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Detailed Route Maps
Line 3 Replacement Project
Carlton County, Minnesota

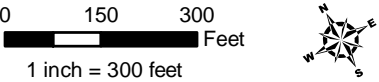




- Milepost
- Line 3 Centerline
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Environmental Field Data

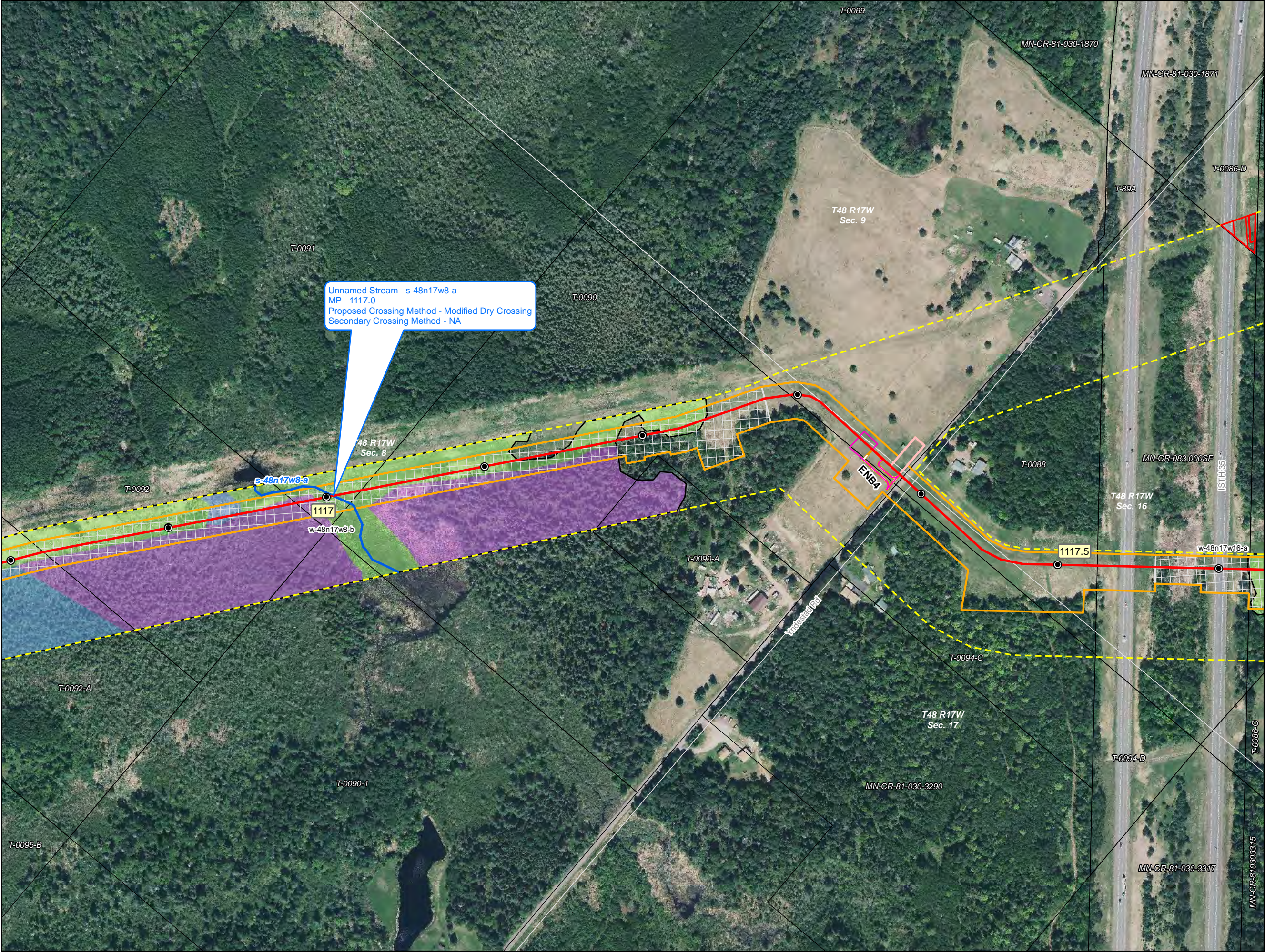
- Wetlands**
- | | |
|--------------------------|--------------|
| Field Delineated Wetland | NWI Wetlands |
| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
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Detailed Route Maps
Line 3 Replacement Project

Carlton County, Minnesota





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Environmental Field Data

Wetlands

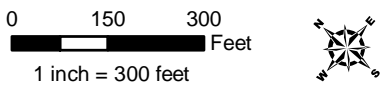
Field Delineated Wetland	NWI Wetlands
PEM	PEM
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Waterbodies

- Field Delineated Waterbody
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Detailed Route Maps
Line 3 Replacement Project

Carlton County, Minnesota

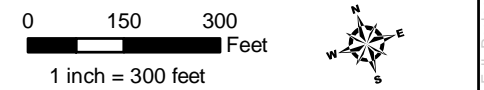


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- Milepost
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- Wetlands**
- | Field Delineated Wetland | NWI Wetlands |
|--------------------------|--------------|
| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
- Waterbodies**
- | Field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

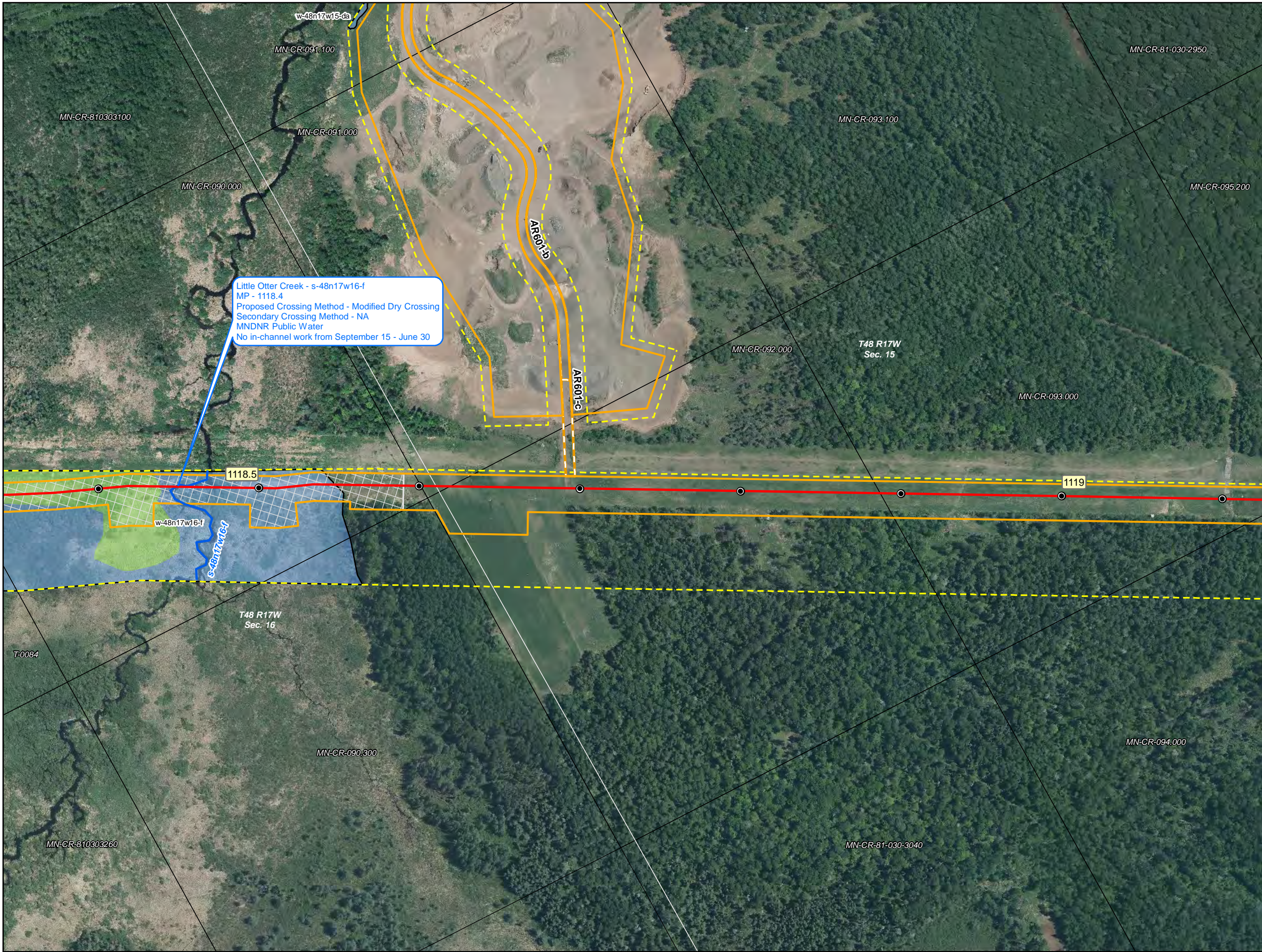


Detailed Route Maps

Line 3 Replacement Project

Carlton County, Minnesota



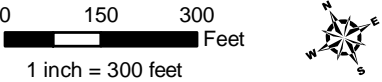


- Milepost
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Environmental Field Data

- Wetlands**
- | | |
|--------------------------|--------------|
| Field Delineated Wetland | NWI Wetlands |
| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
| PUB | PUB |

- Waterbodies**
- Field Delineated Waterbody
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Detailed Route Maps

Line 3 Replacement Project

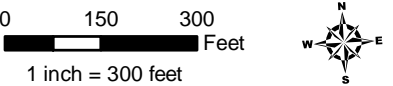
Carlton County, Minnesota





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| PUB | PUB |
- Waterbodies**
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| Field Delineated Waterbody | Lake/Pond |
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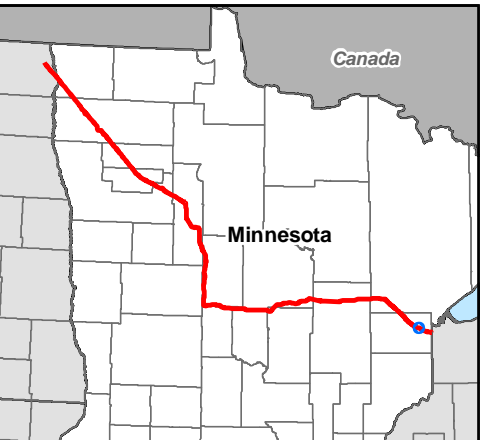
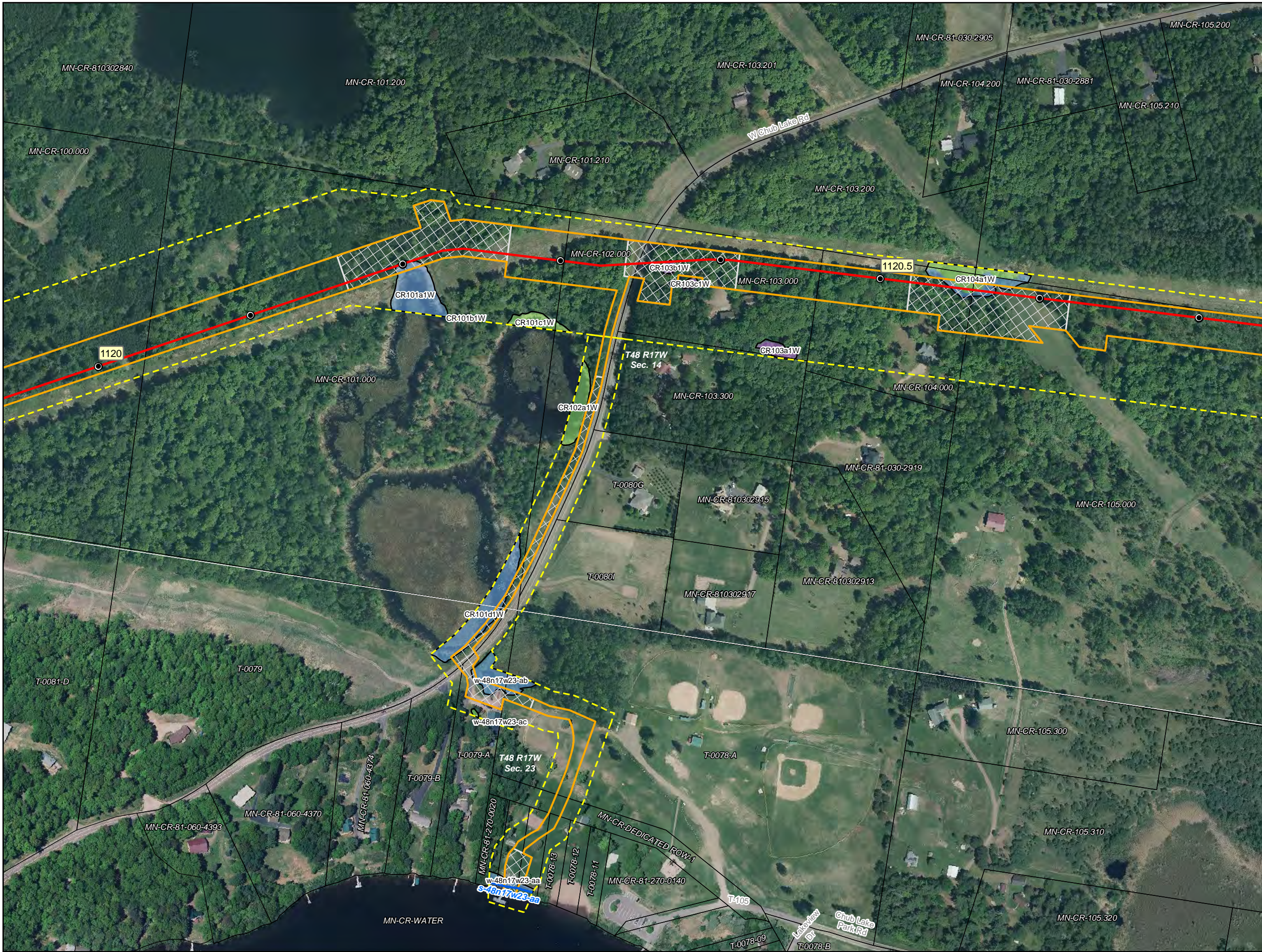


Detailed Route Maps

Line 3 Replacement Project

Carlton County, Minnesota





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Waterbodies

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0 150 300 Feet
1 inch = 300 feet

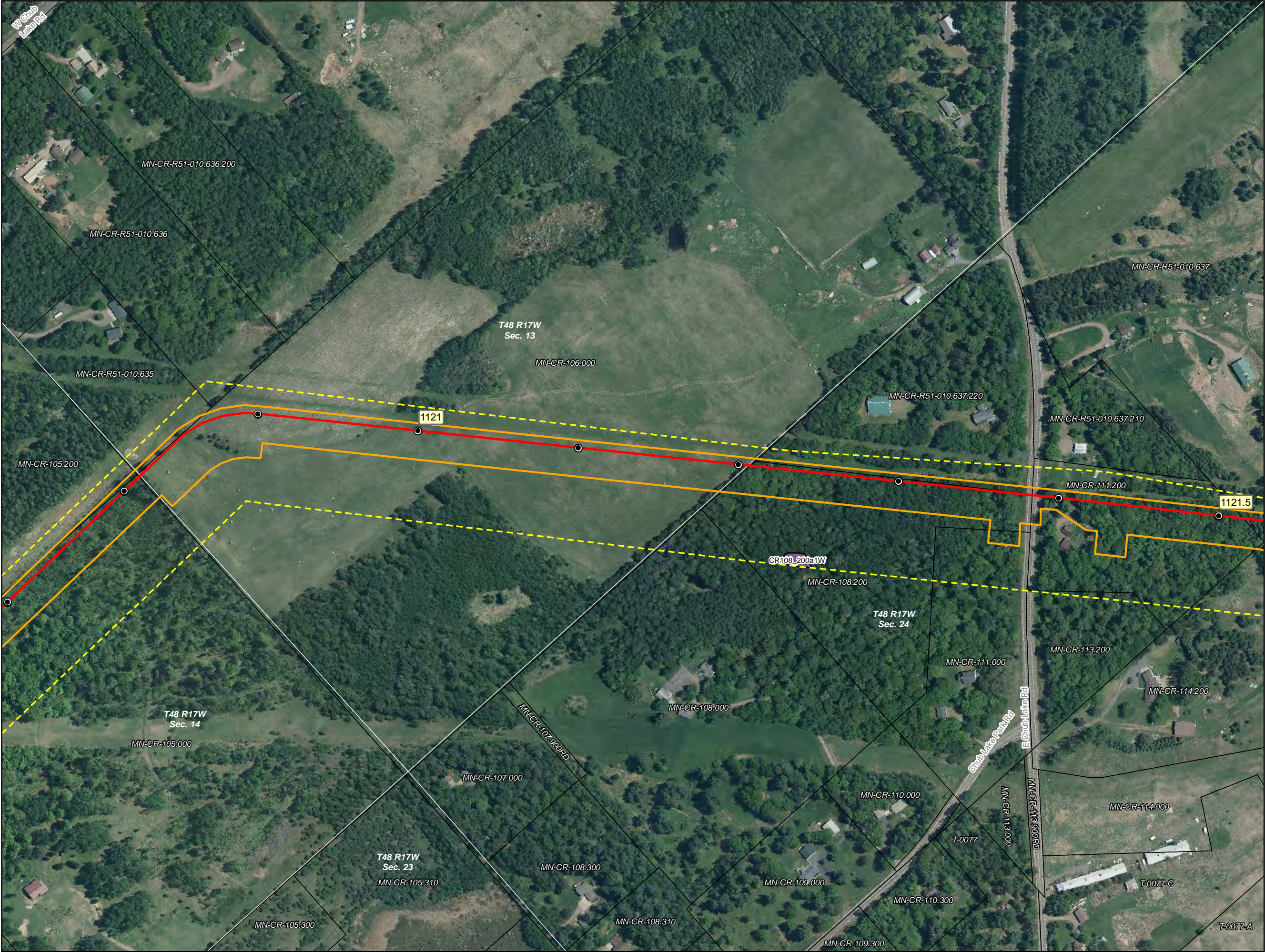


Detailed Route Maps

Line 3 Replacement Project

Carlton County, Minnesota





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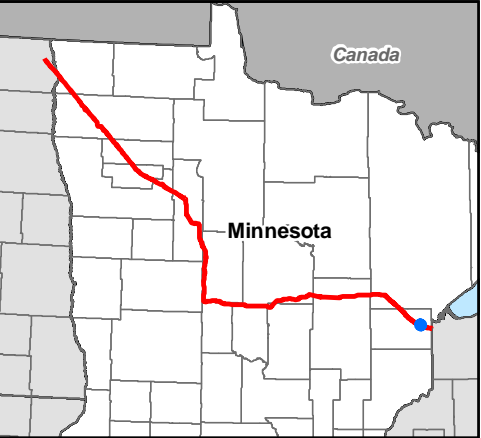
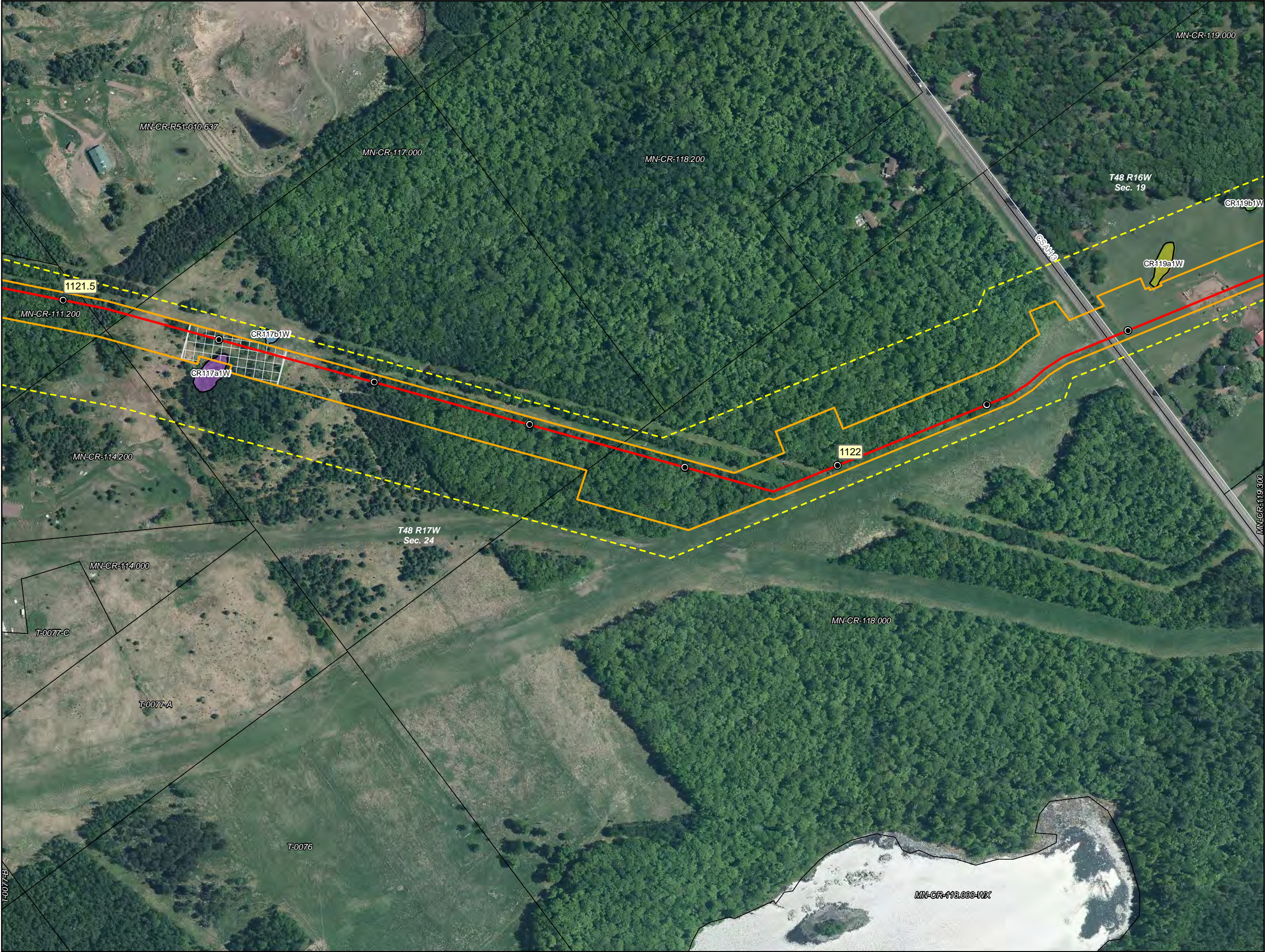


Detailed Route Maps

Line 3 Replacement Project

Carlton County, Minnesota



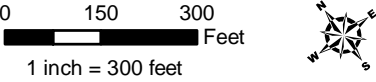


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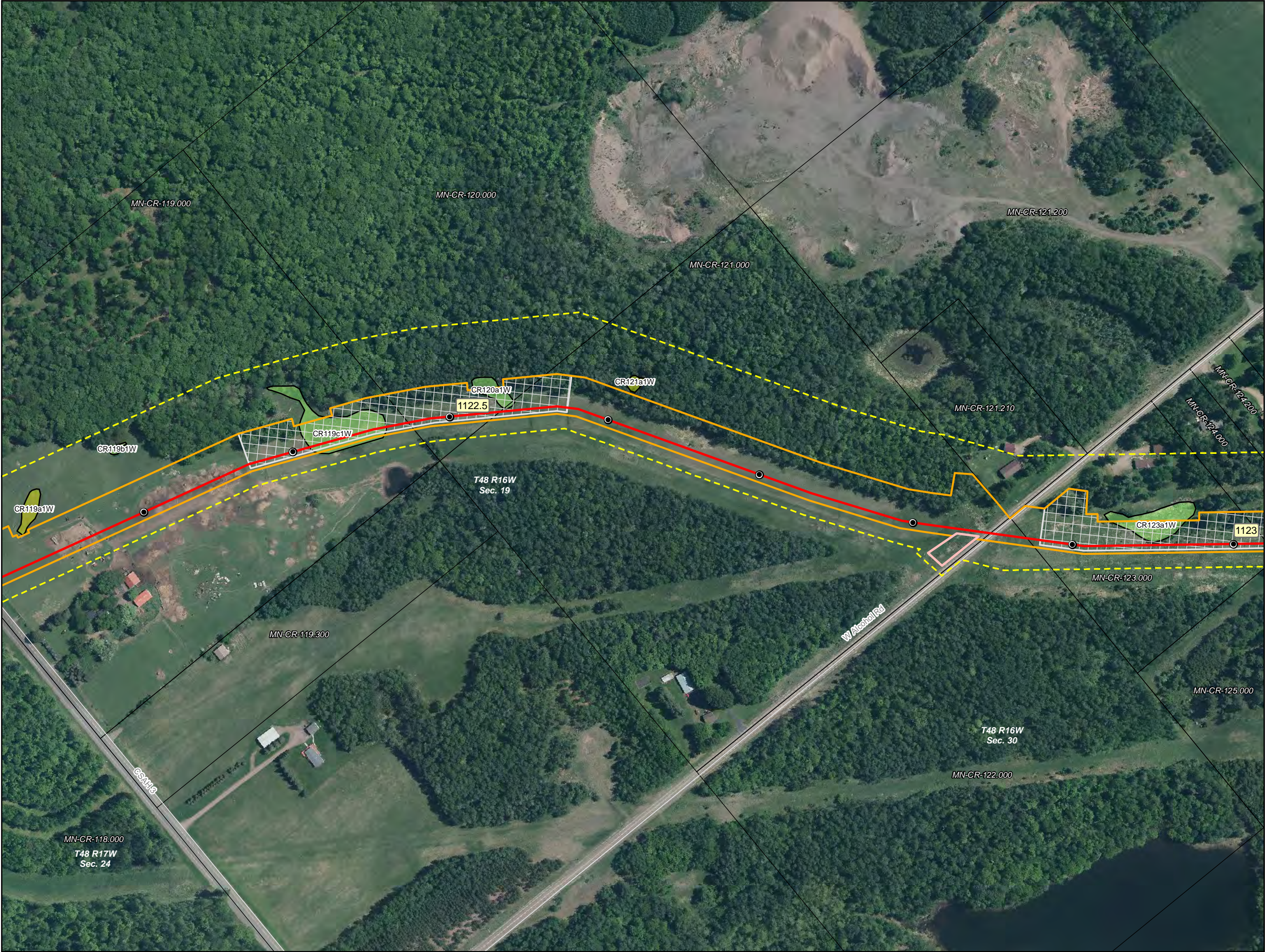
Wetlands	
Field Delineated Wetland	NWI Wetlands
PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB

Waterbodies	
Field Delineated Waterbody	
NHD Waterbody	
NWI Waterbodies	
Lake/Pond	
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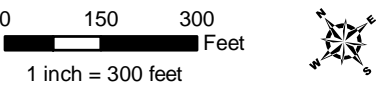
Detailed Route Maps
Line 3 Replacement Project
Carlton County, Minnesota





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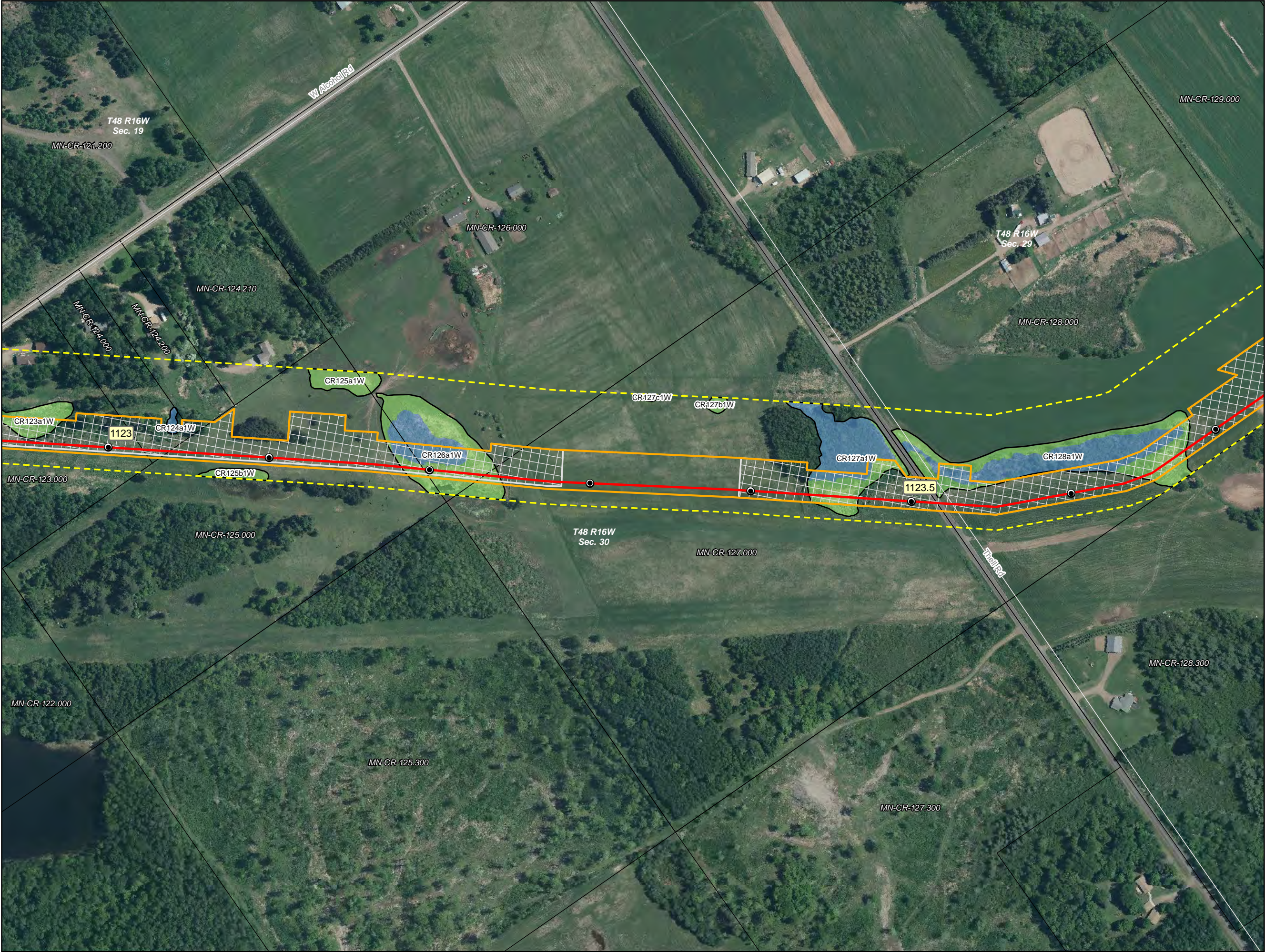


Detailed Route Maps

Line 3 Replacement Project

Carlton County, Minnesota

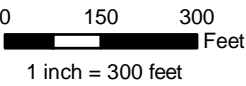




- Milepost
- Line 3 Centerline
- Construction Workspace
- Access Road
- Haul Road/Corner Improvement
- COE Permit Area
- Survey Corridor
- Field Survey Partially or Not Complete
- Parcel Boundary
- County Boundary
- Section Boundary
- Cathodic Protection
- Valve Location
- Pump Station

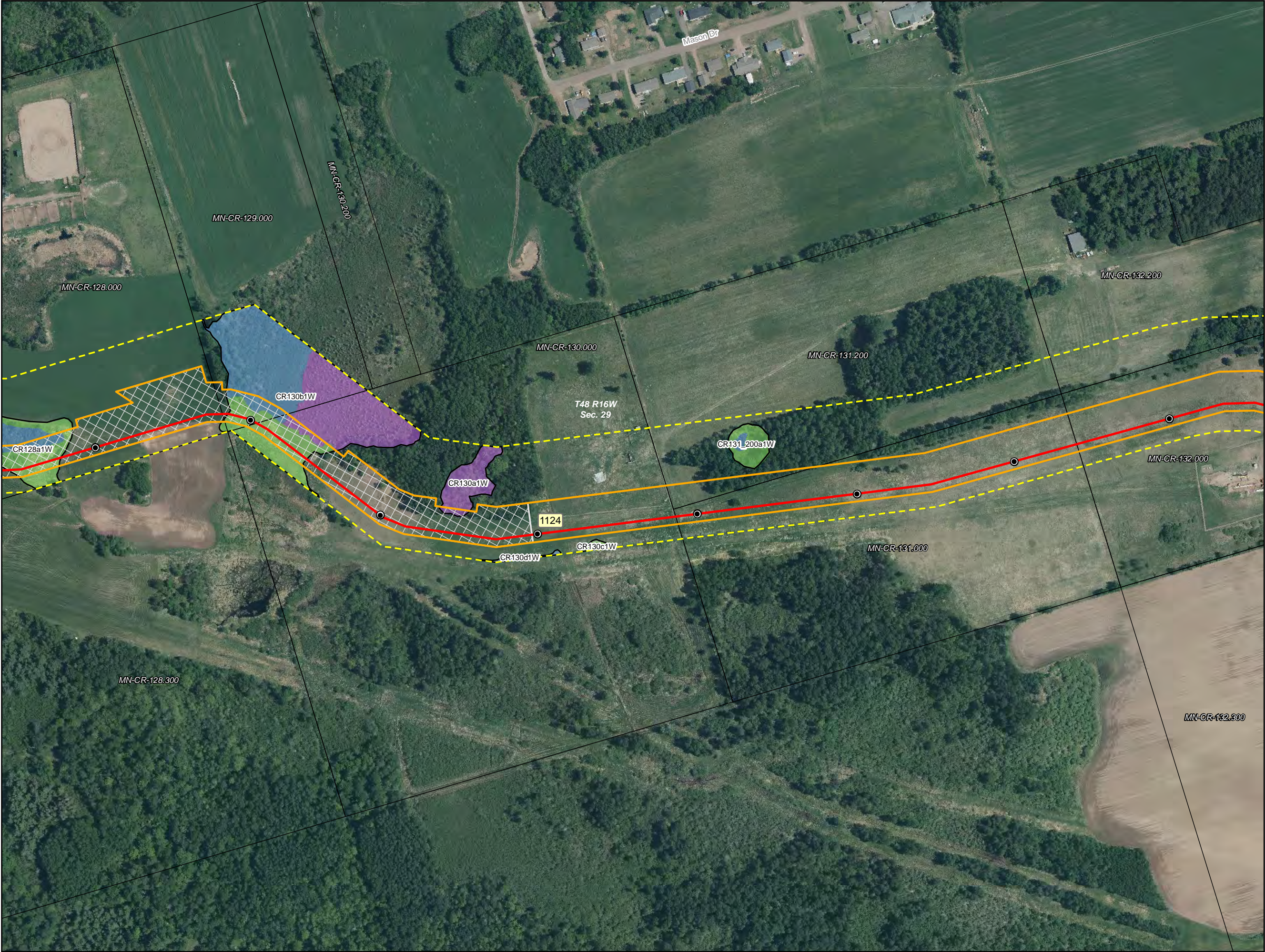
Environmental Field Data

- 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
Carlton County, Minnesota



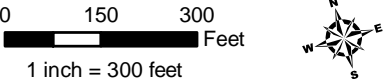


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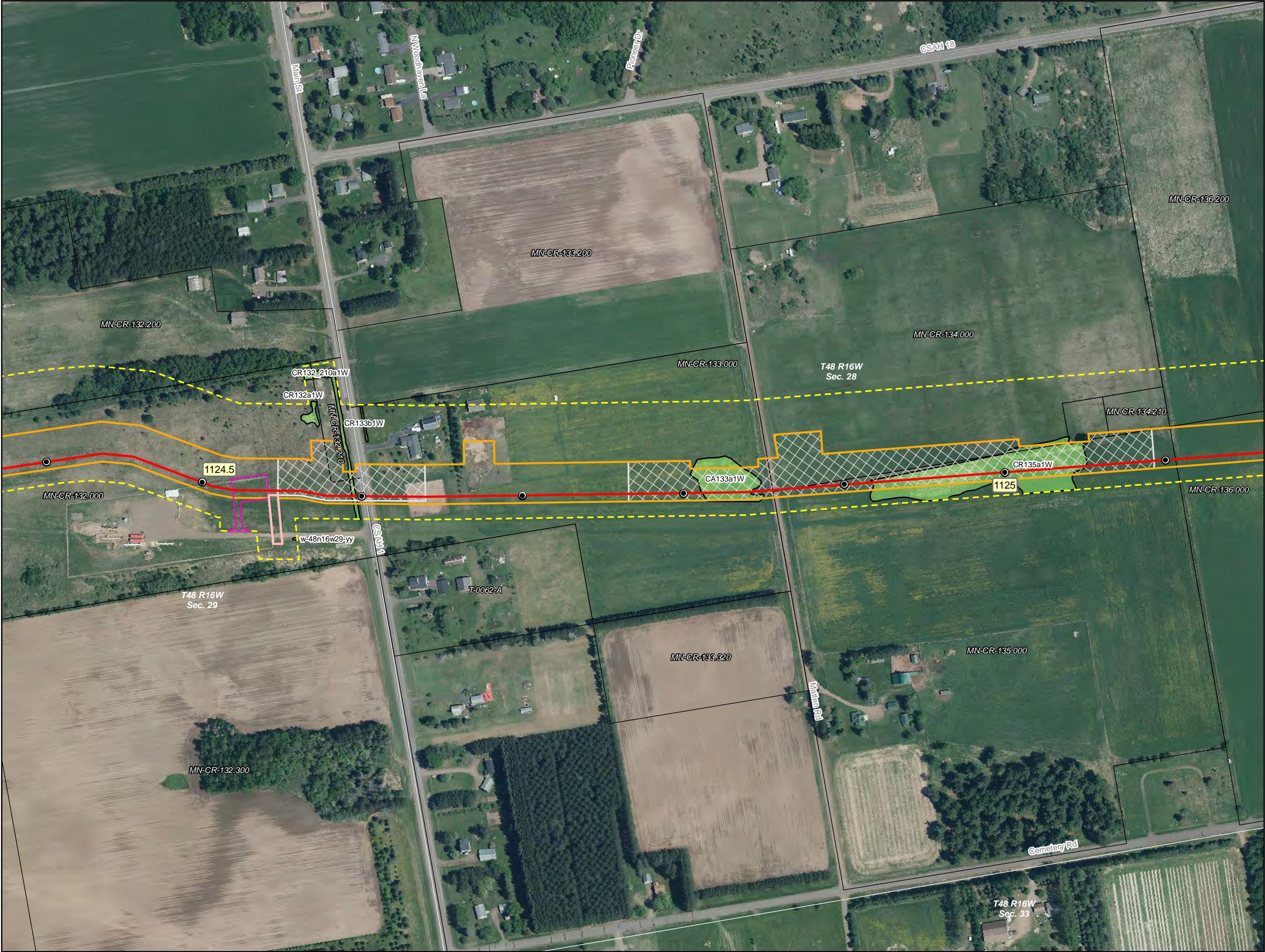
Wetlands	
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PEM	PEM
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PSS	PSS
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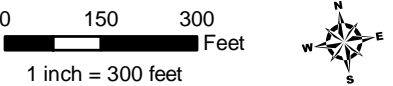
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Detailed Route Maps

Line 3 Replacement Project

Carlton 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)

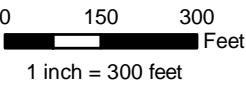


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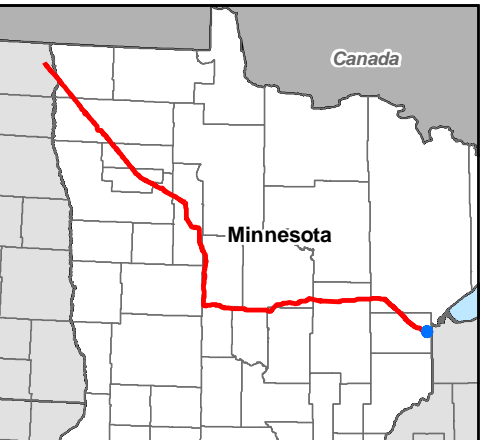
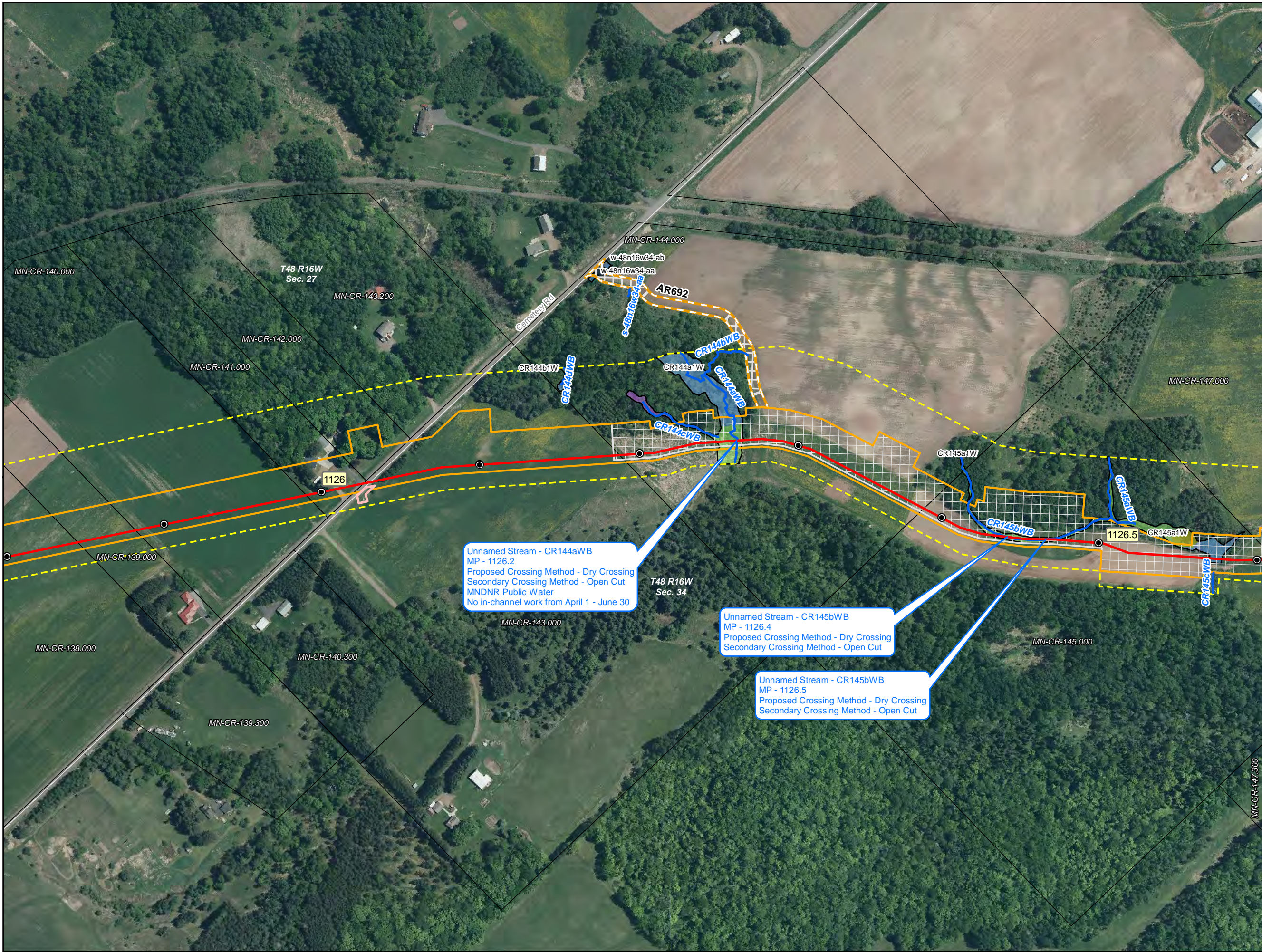
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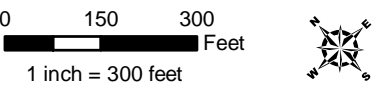
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Carlton County, Minnesota





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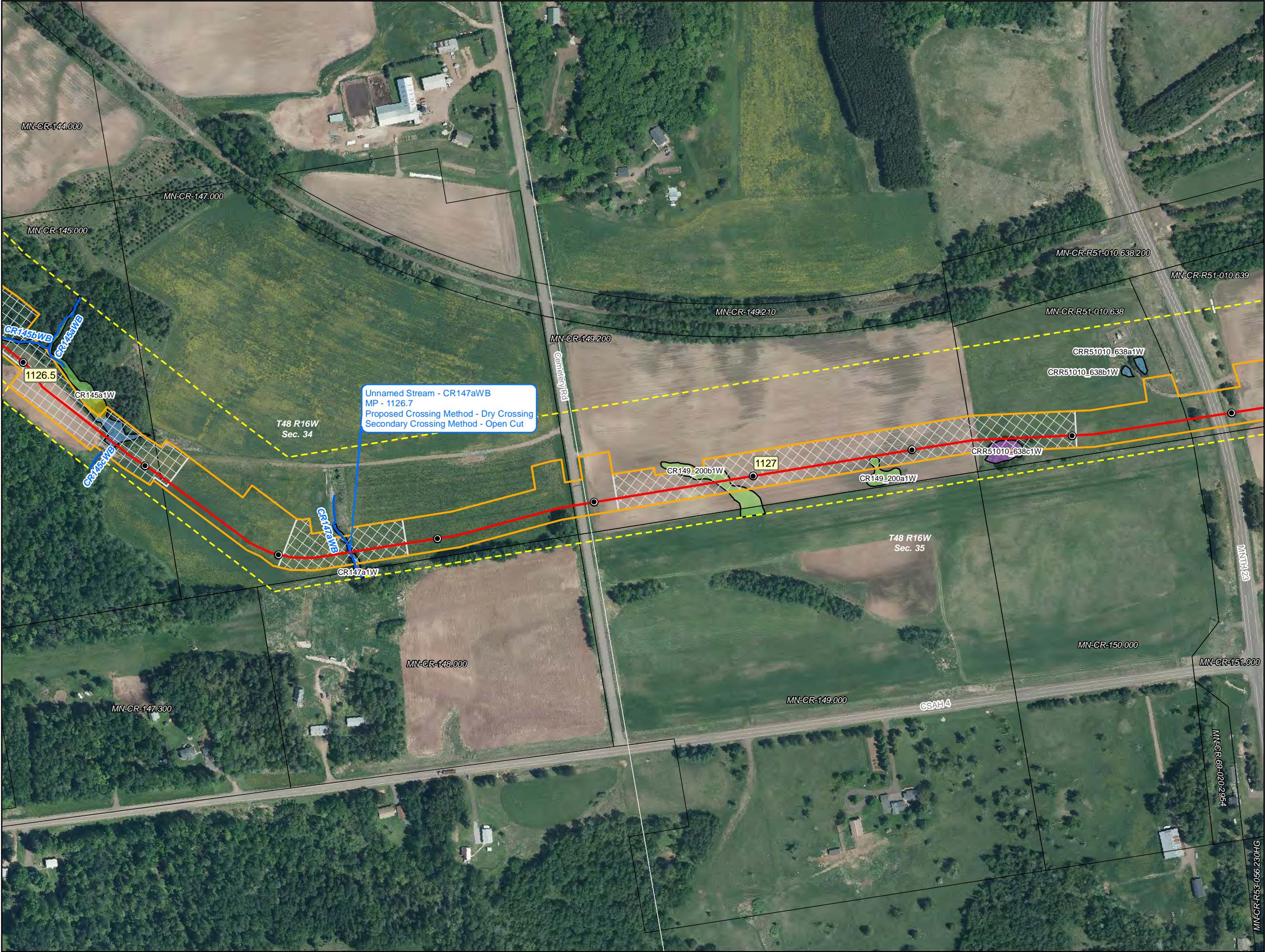
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Line 3 Replacement Project

Carlton County, Minnesota

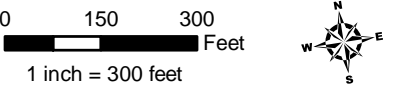


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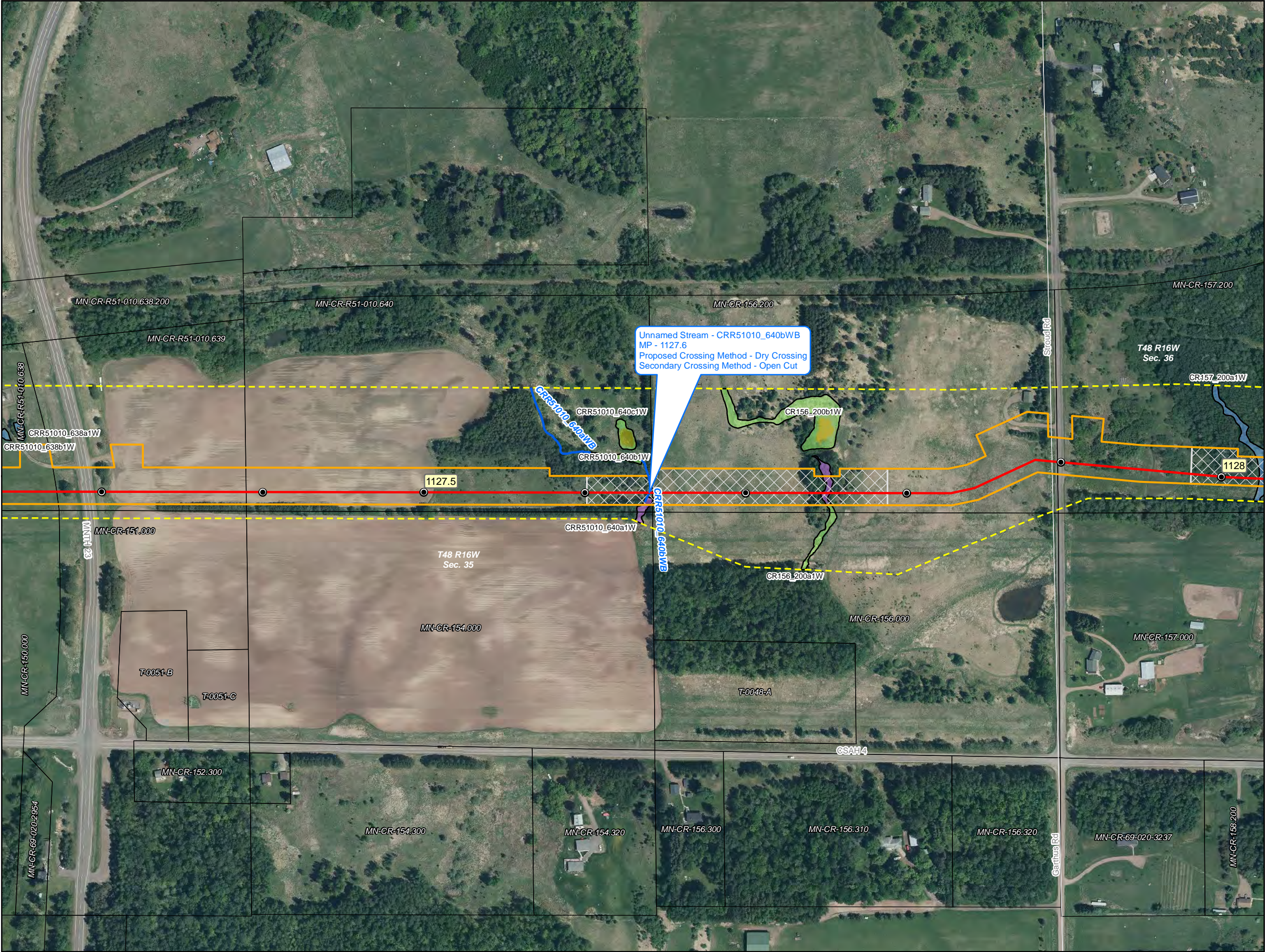
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Line 3 Replacement Project

Carlton 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: 11/03/2019



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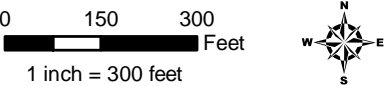
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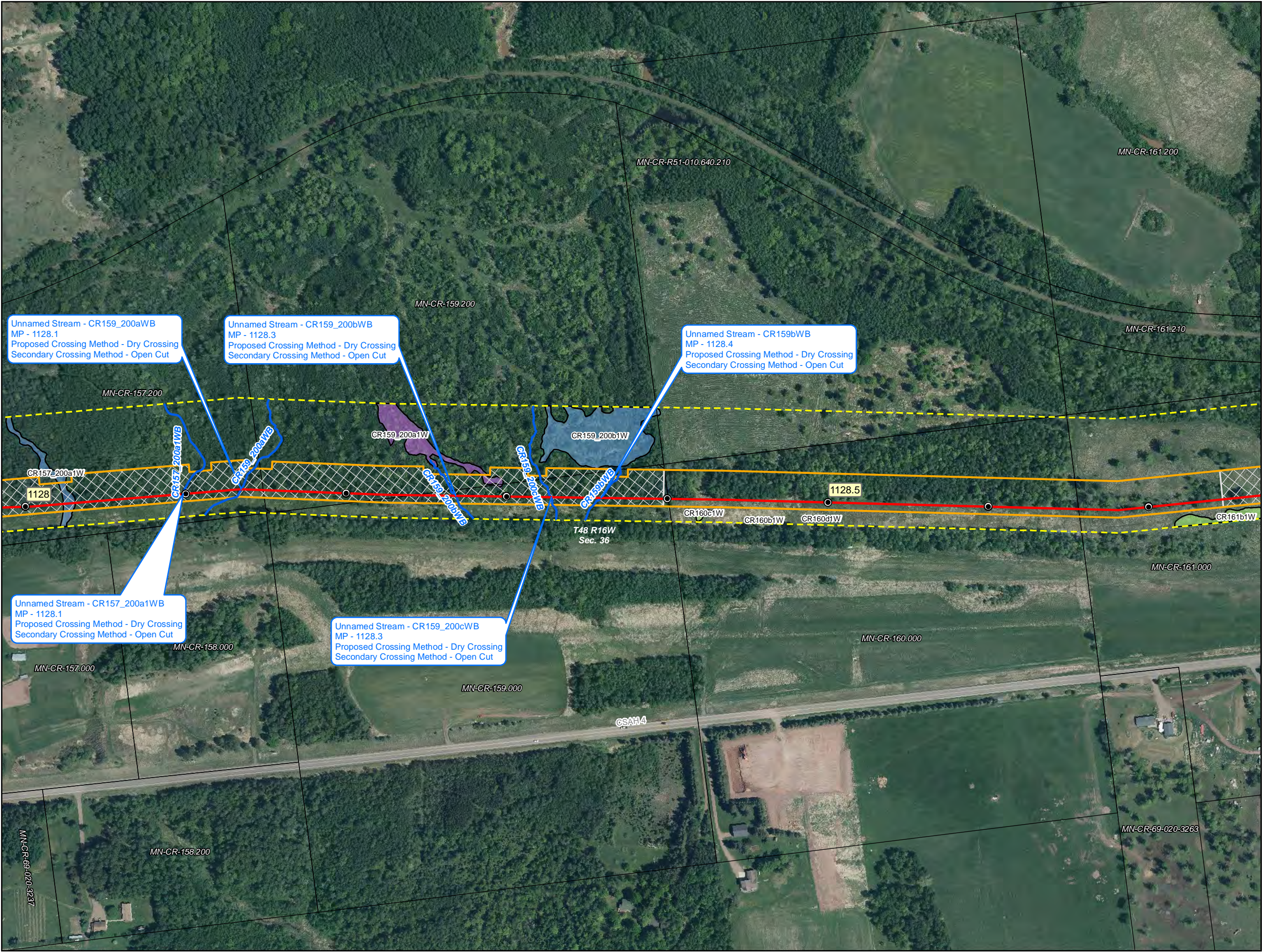
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Carlton County, Minnesota



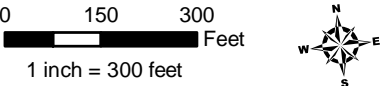
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