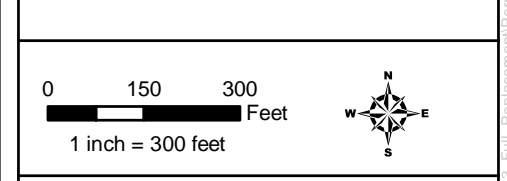


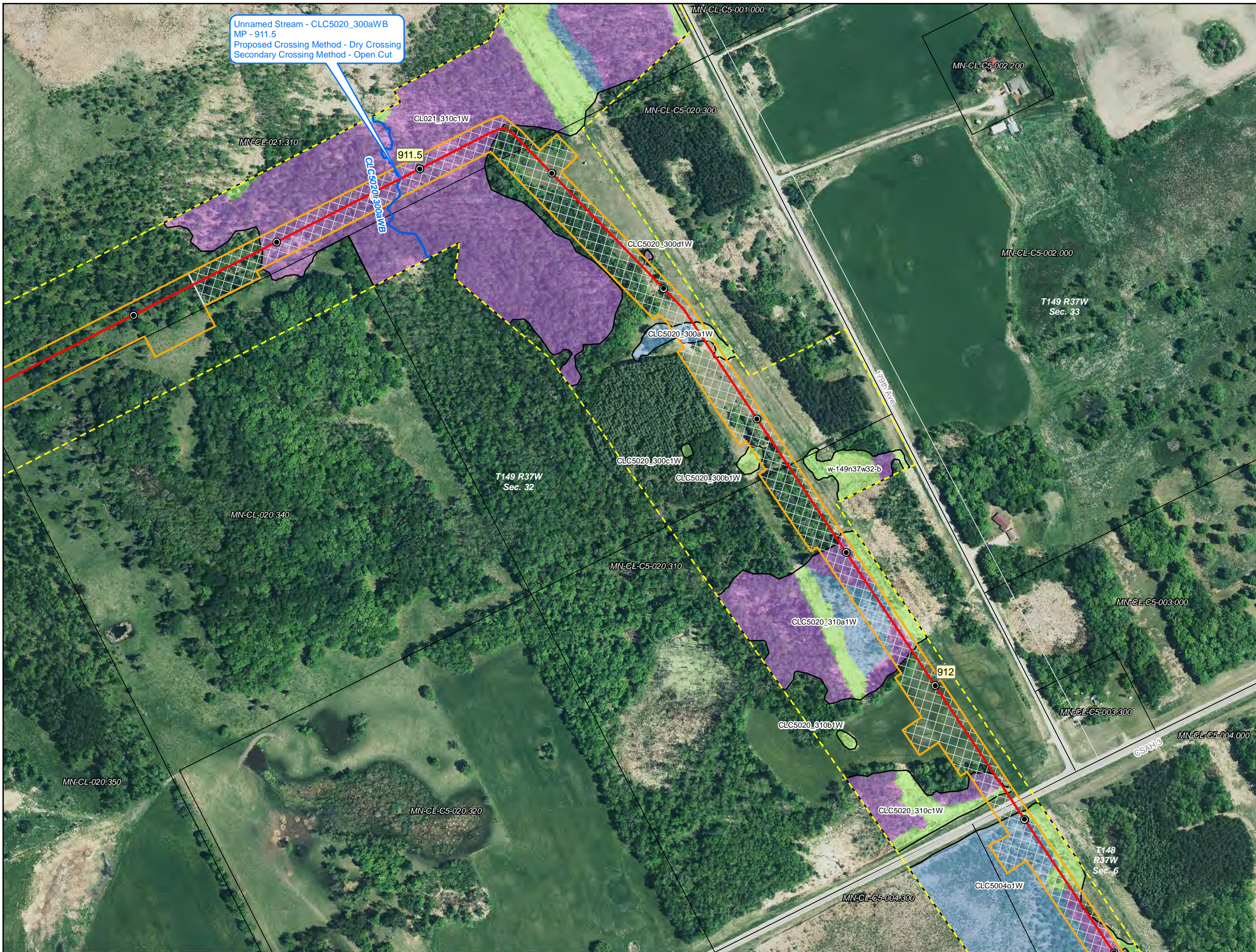
- Milepost
- Line 3 Centerline
- Construction Workspace
- Access Road
- Haul Road/Corner Improvement
- COE Permit Area
- Survey Corridor
- Field Survey Partially or Not Complete
- Parcel Boundary
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- Cathodic Protection
- Valve Location
- Pump Station

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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
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 - Riverine

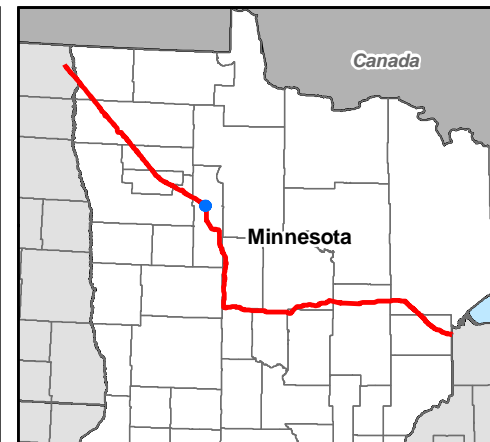


Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

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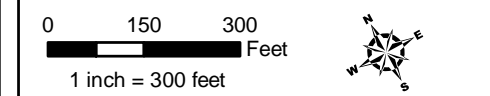


Unnamed Stream - CLC5020_300aWB
 MP - 911.5
 Proposed Crossing Method - Dry Crossing
 Secondary Crossing Method - Open Cut



- Milepost
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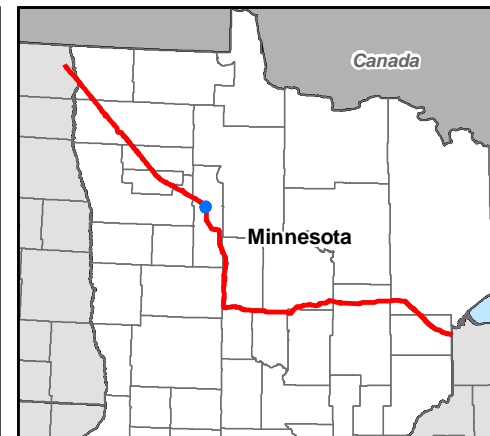
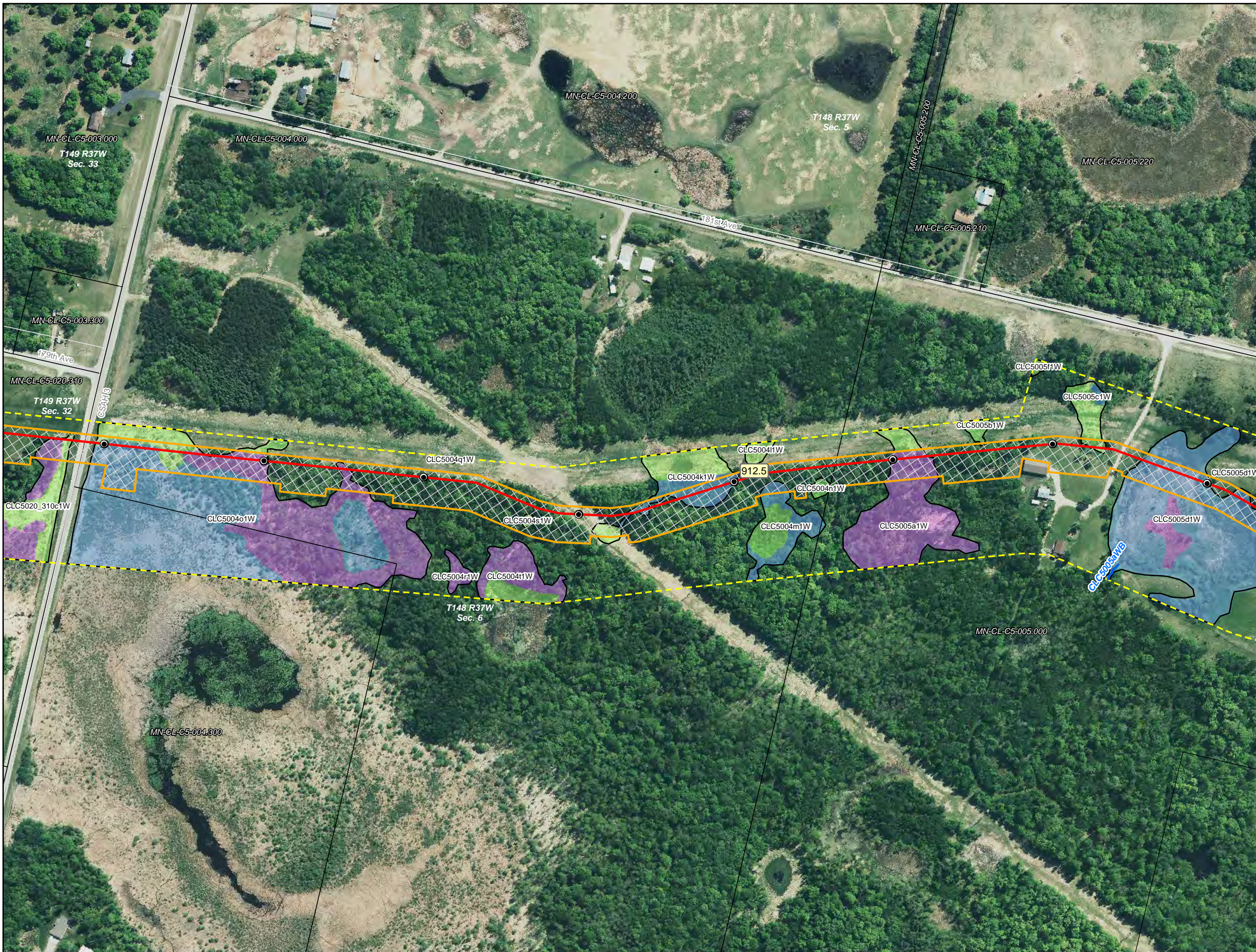
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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

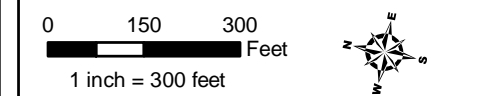


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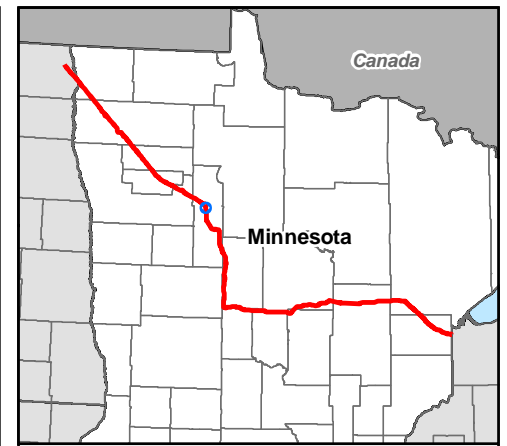
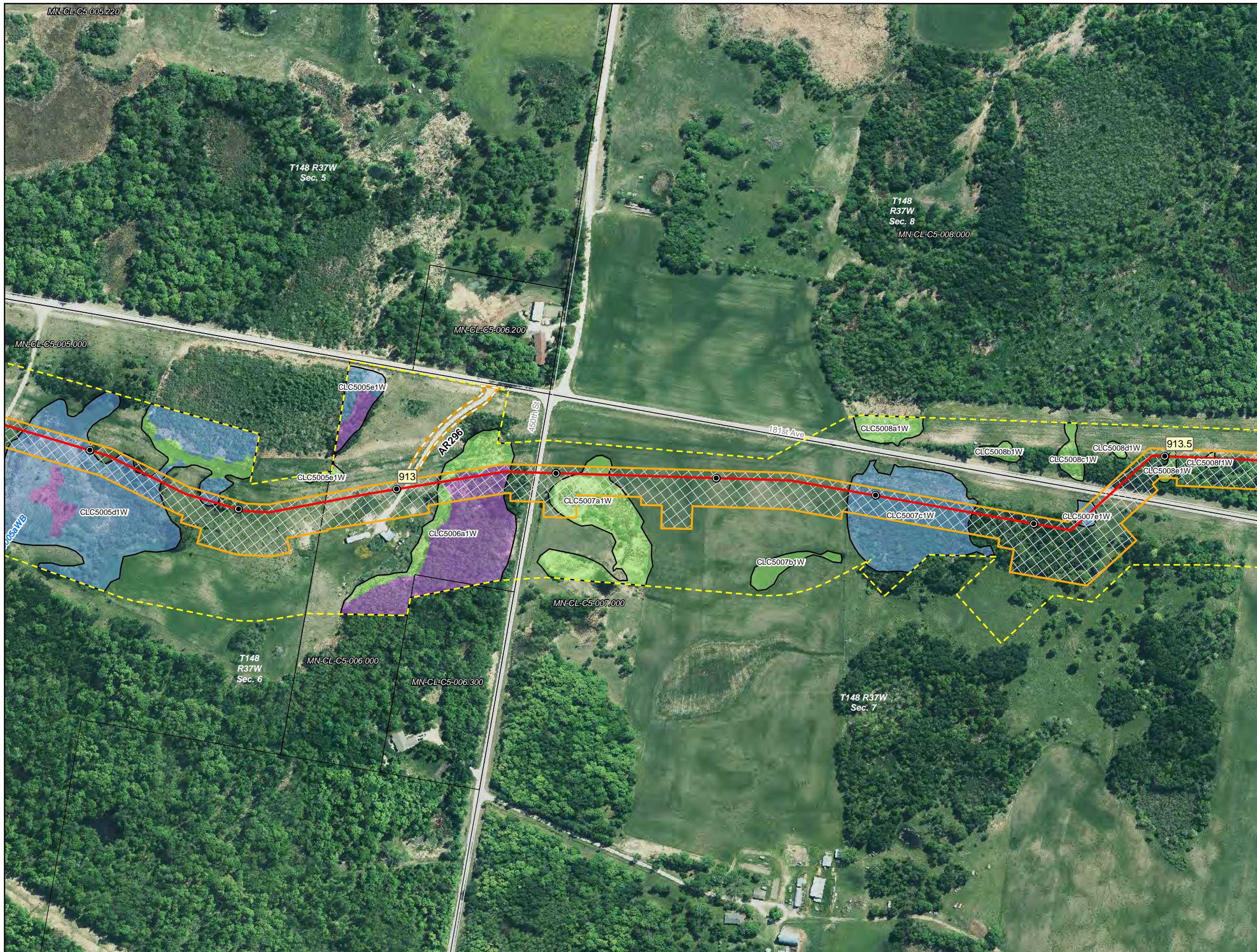
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Line 3 Replacement Project
 Clearwater County, Minnesota

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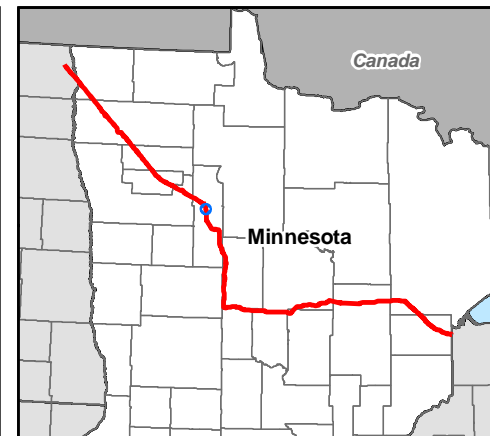
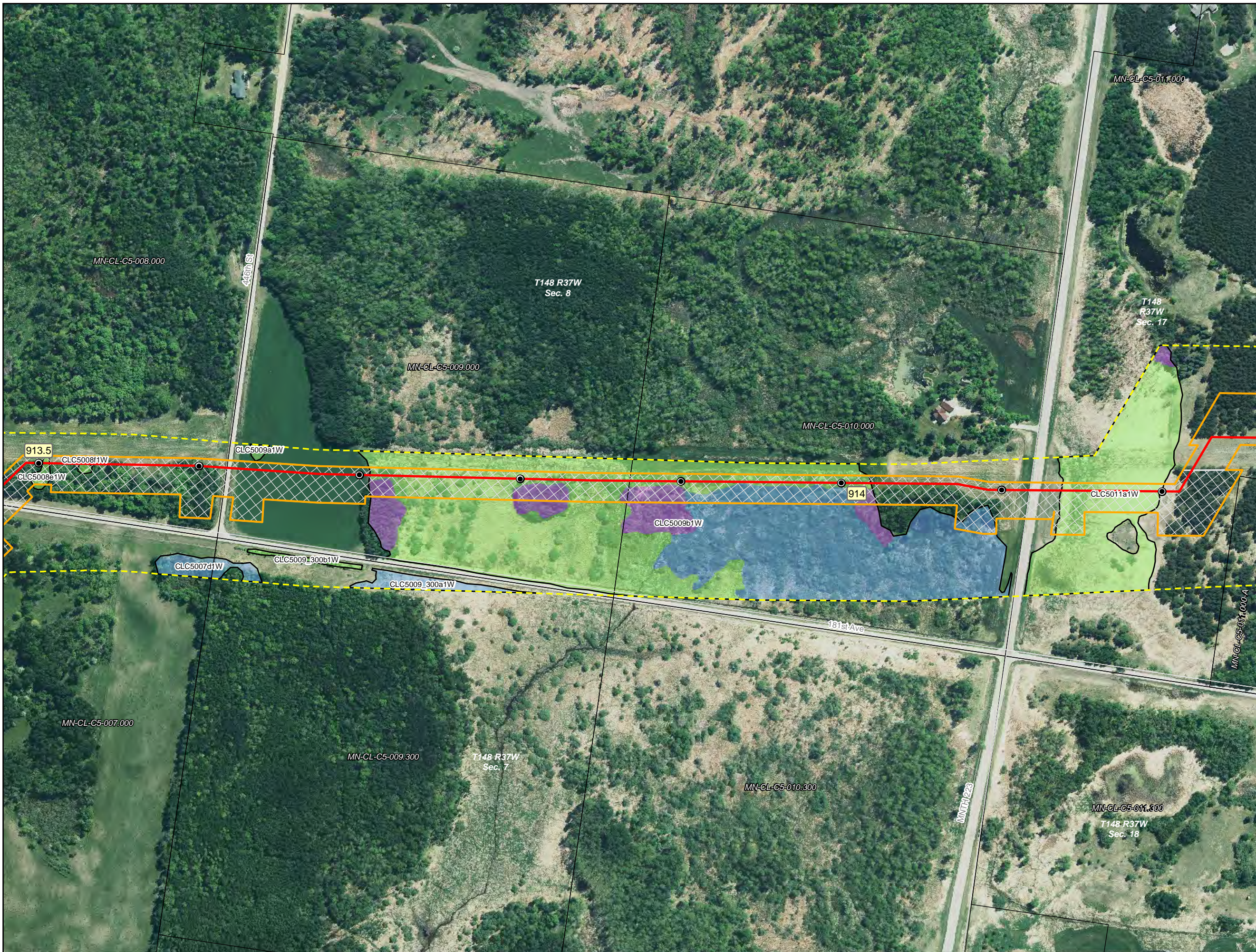
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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

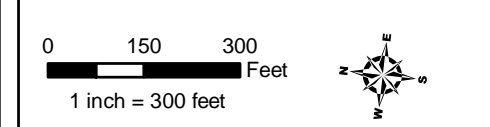


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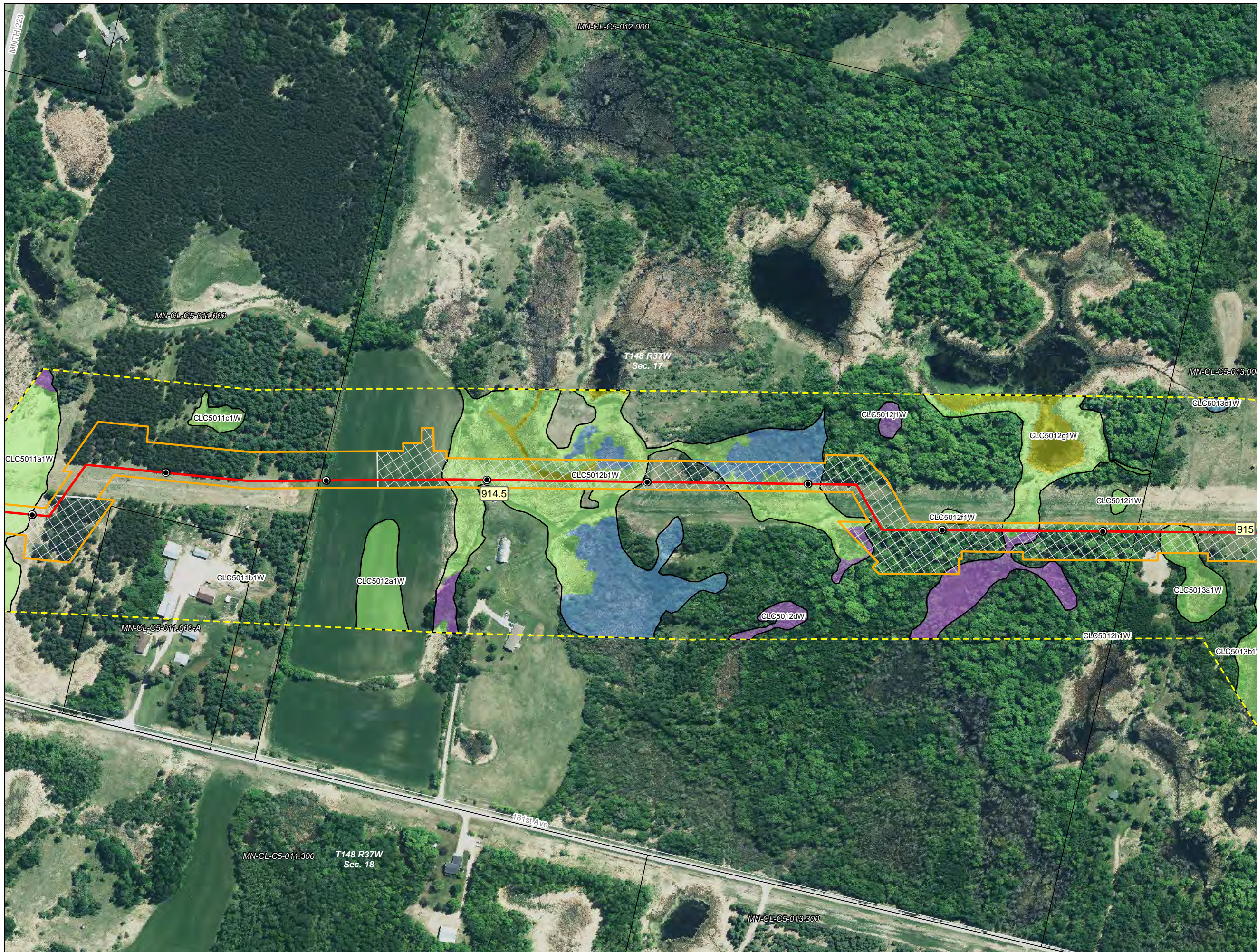
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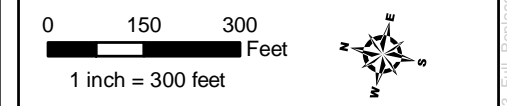
Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

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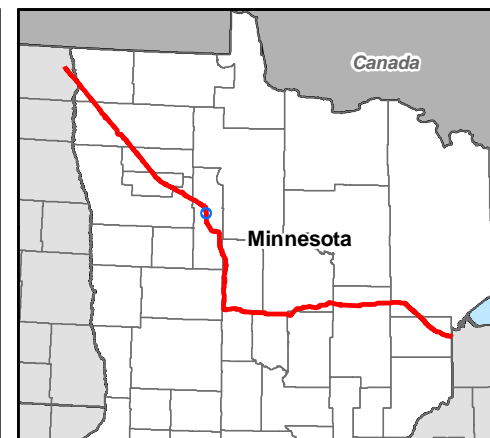
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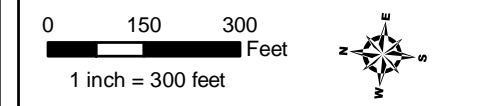
Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

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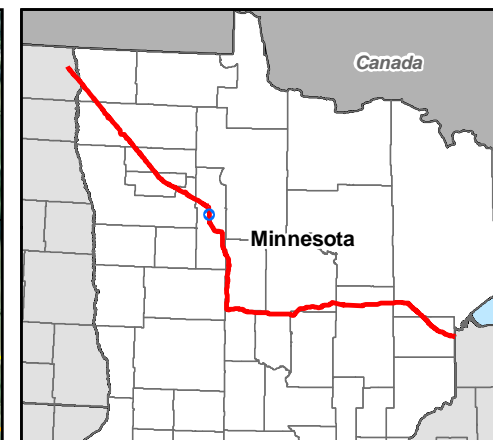
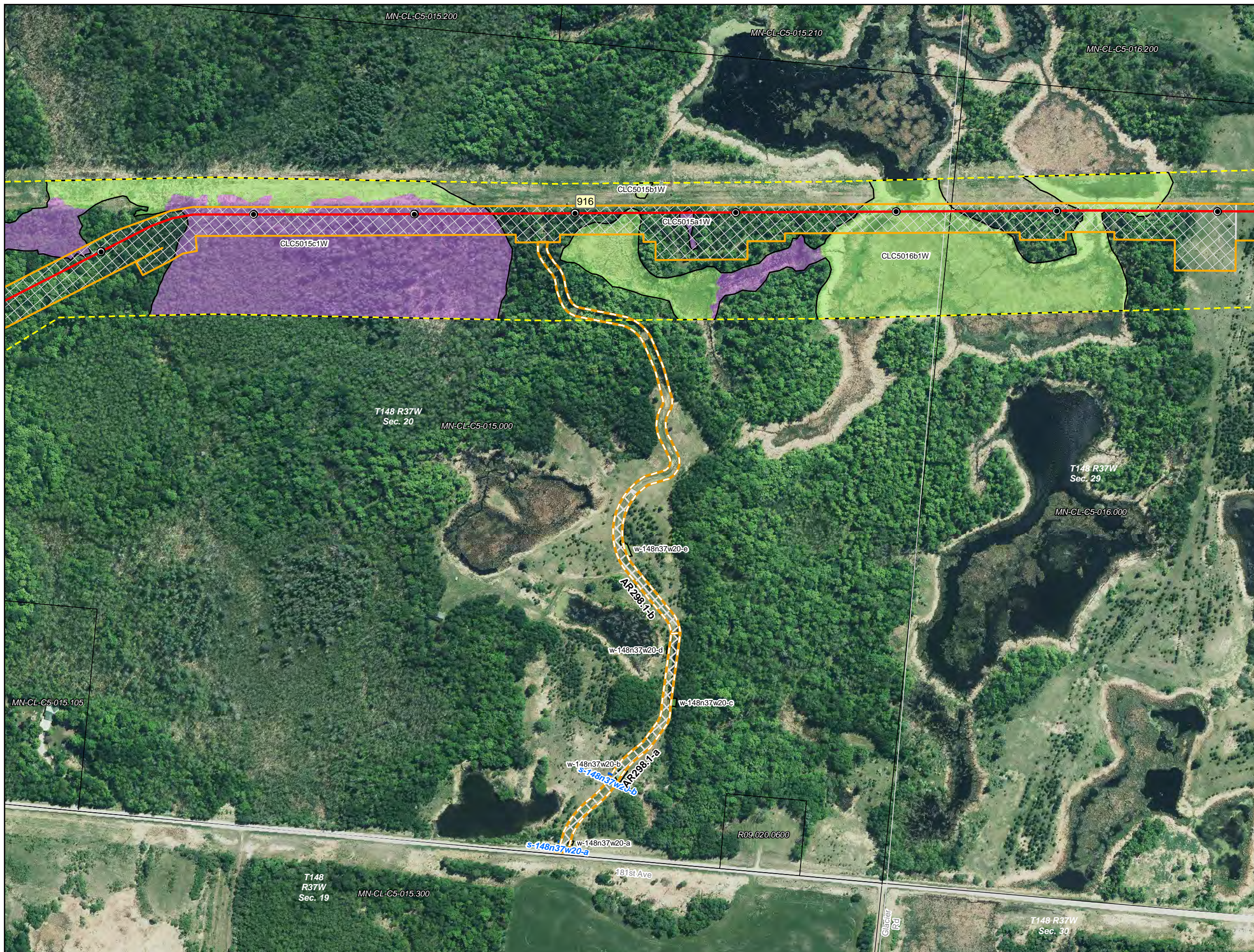
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- Wetlands**
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| Field Delineated Wetland | NWI Wetlands |
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| PFO | PFO |
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Detailed Route Maps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



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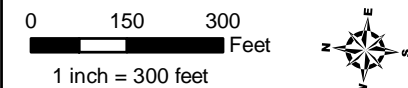
Environmental Field Data

Wetlands

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

Waterbodies

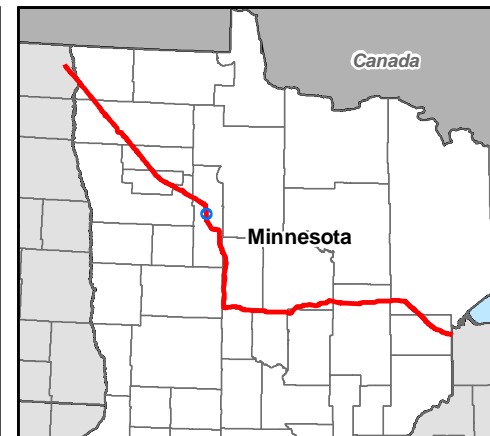
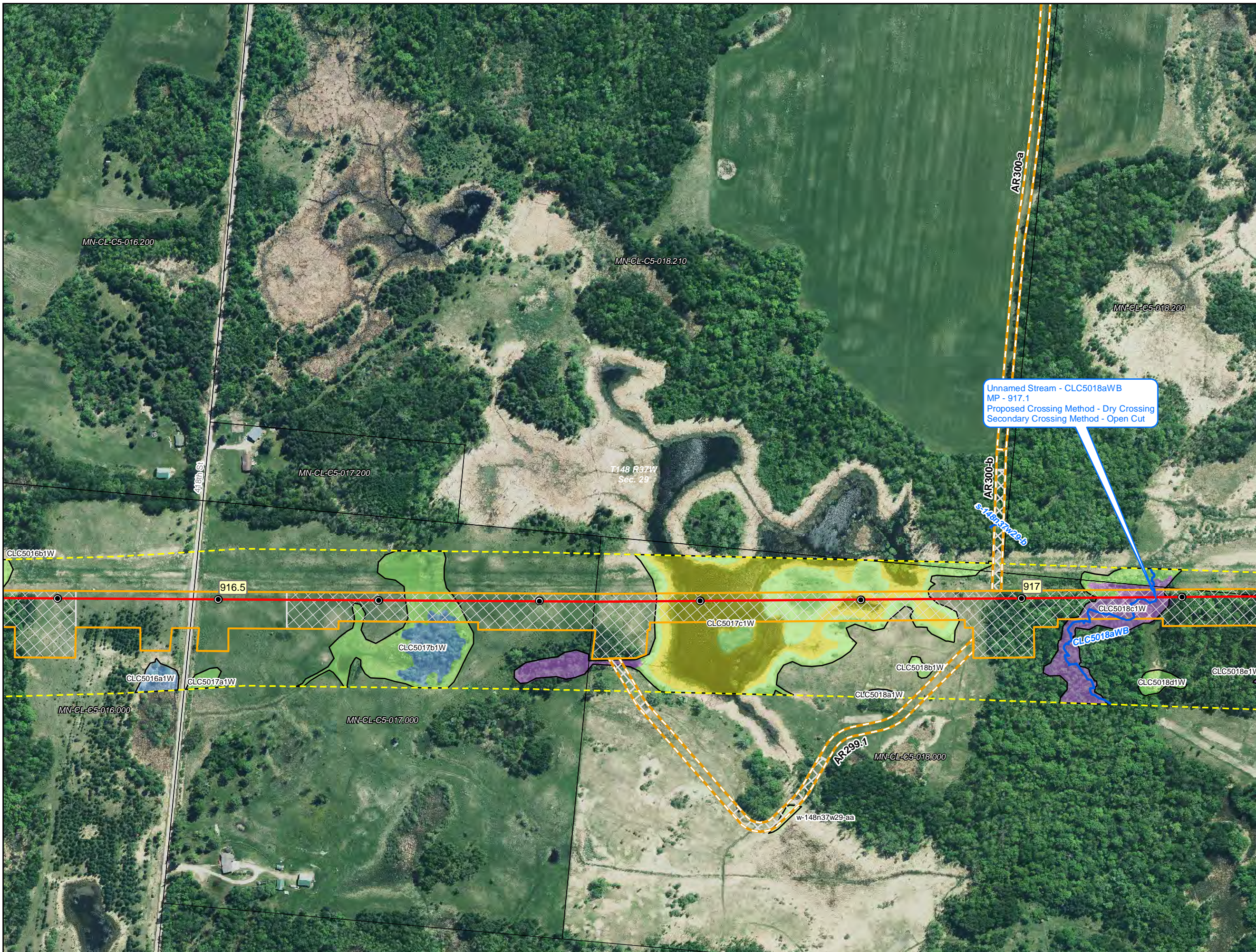
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Detailed Route Maps
Line 3 Replacement Project

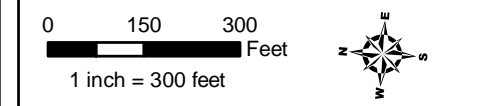
Clearwater County, Minnesota





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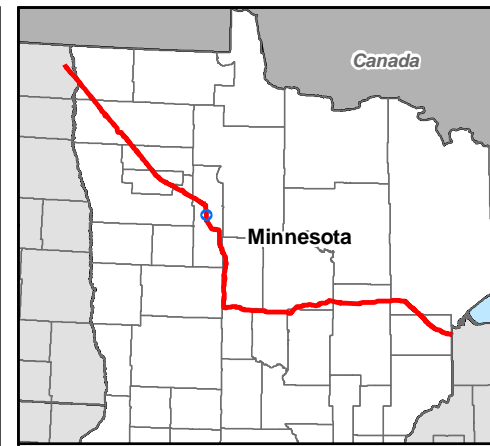
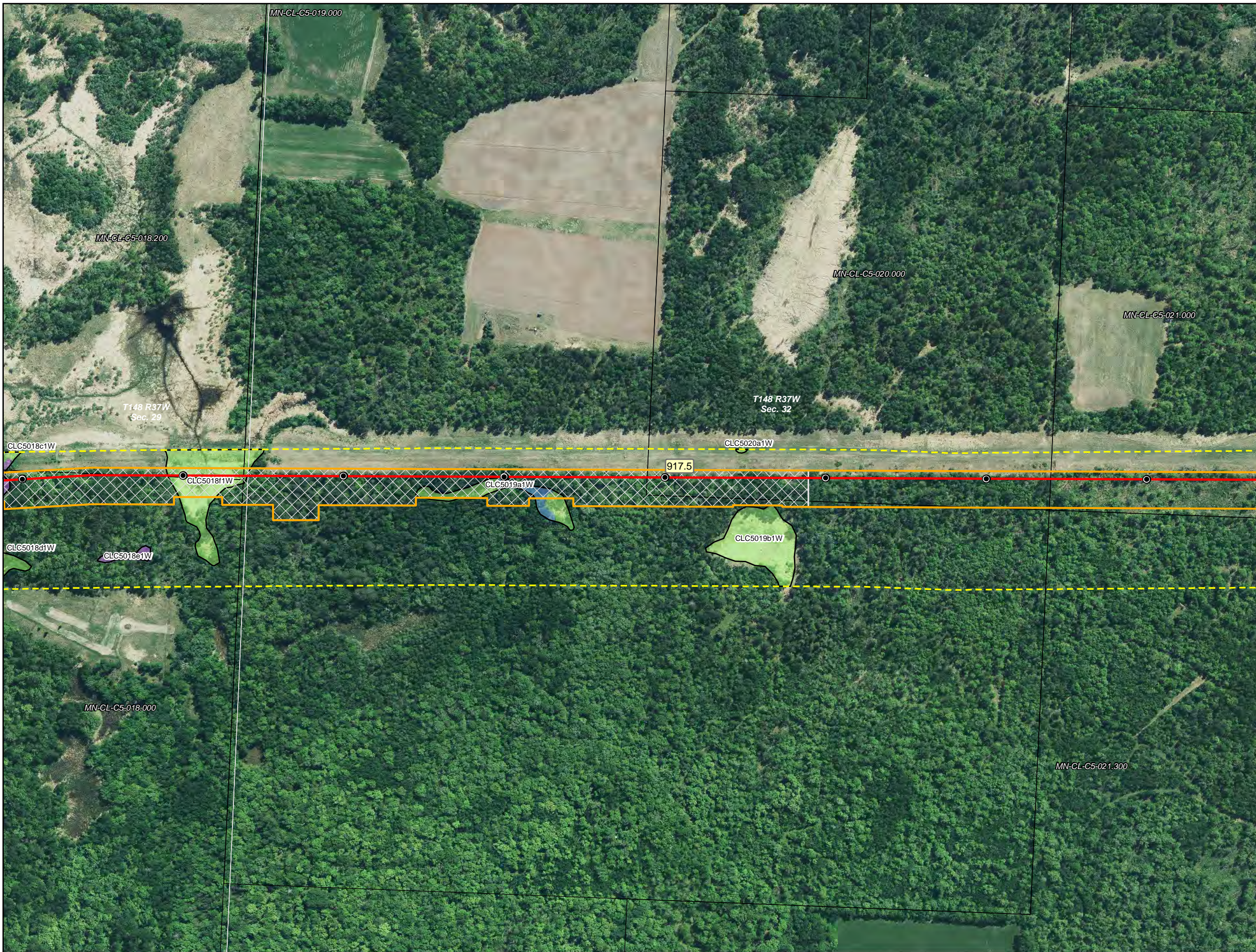
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- Wetlands**
- | | |
|--------------------------|--------------|
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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

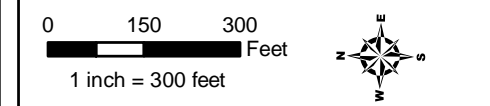


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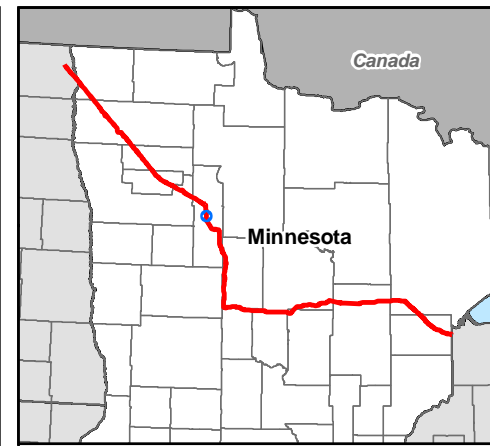
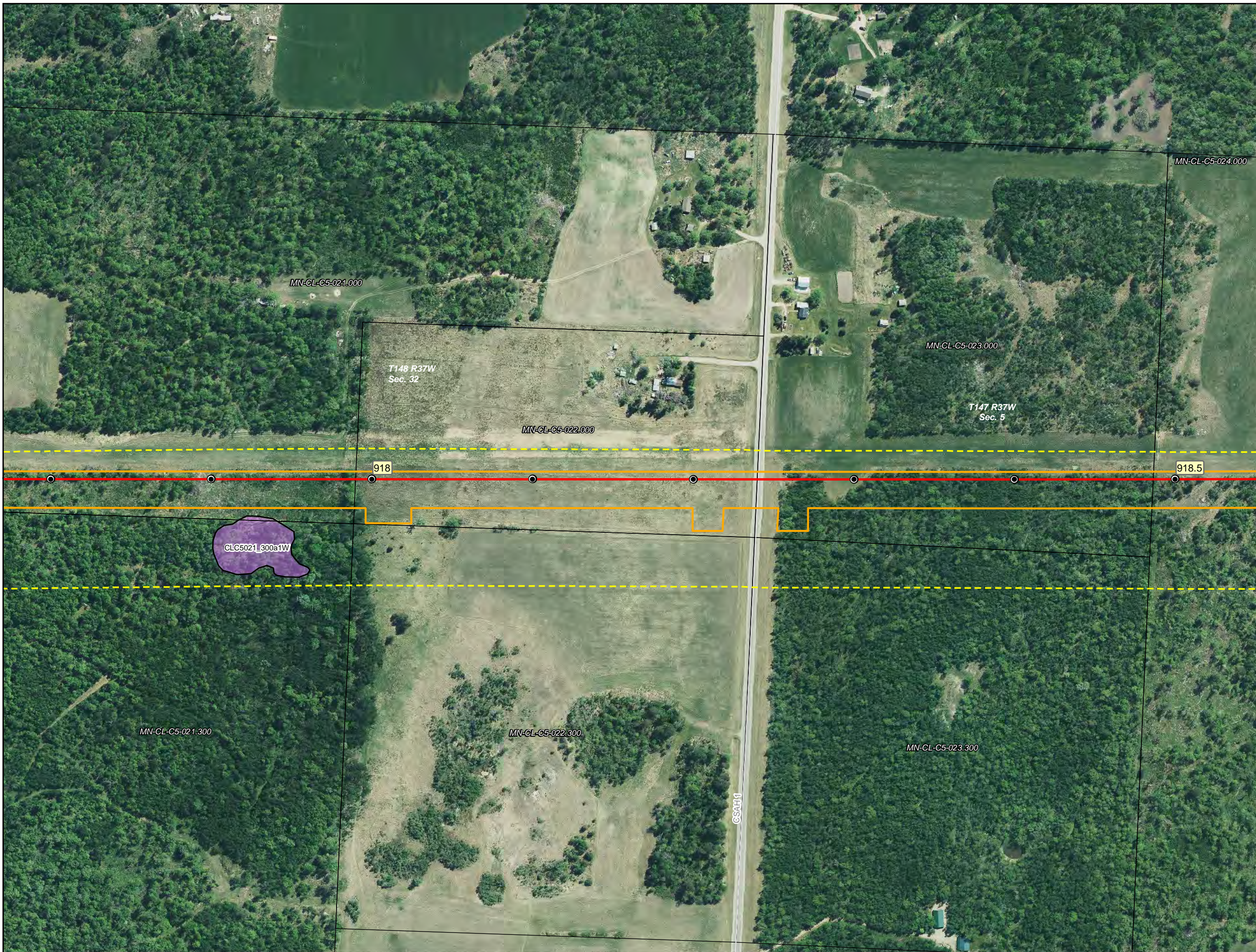
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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

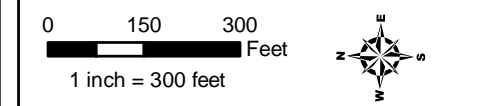


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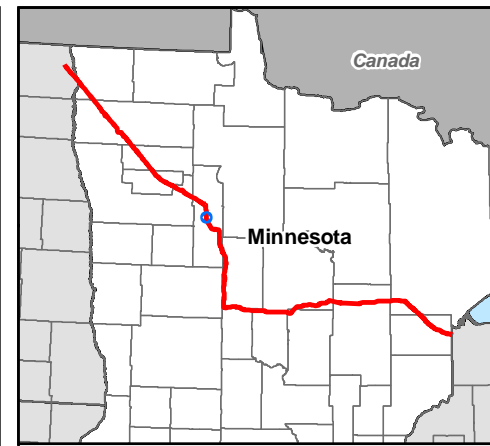
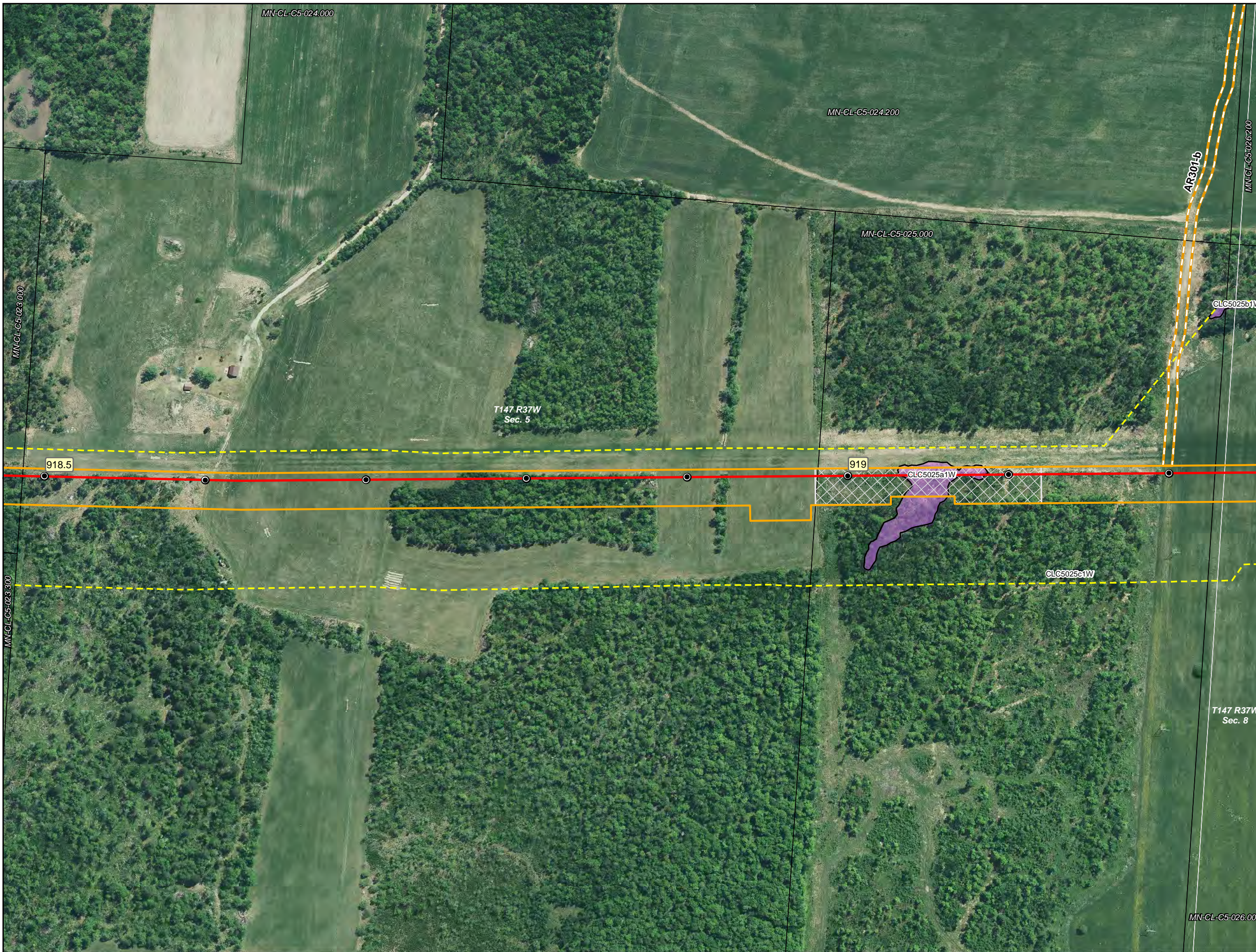
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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

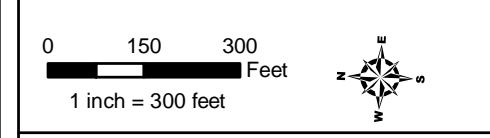


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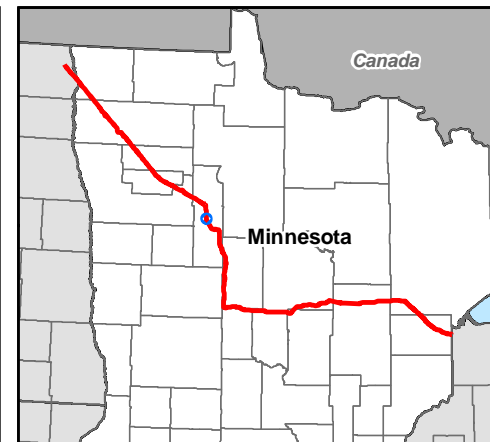
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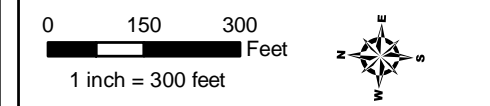
Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

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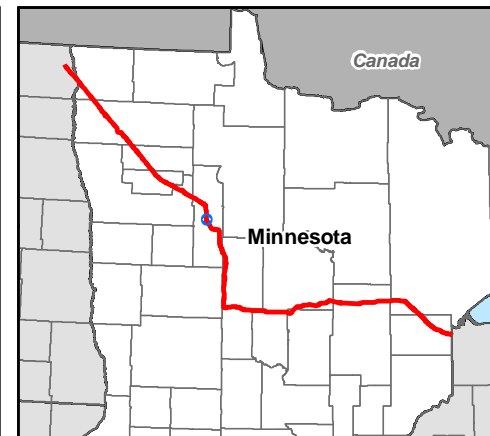
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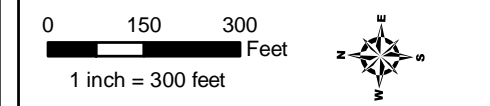
Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

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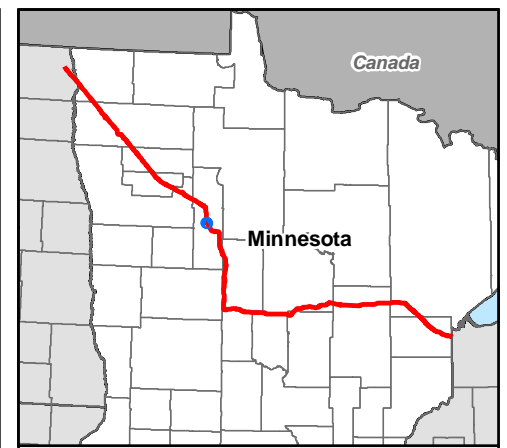
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Line 3 Replacement Project
 Clearwater County, Minnesota

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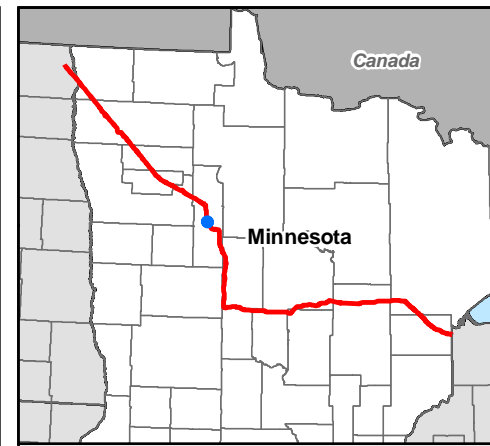
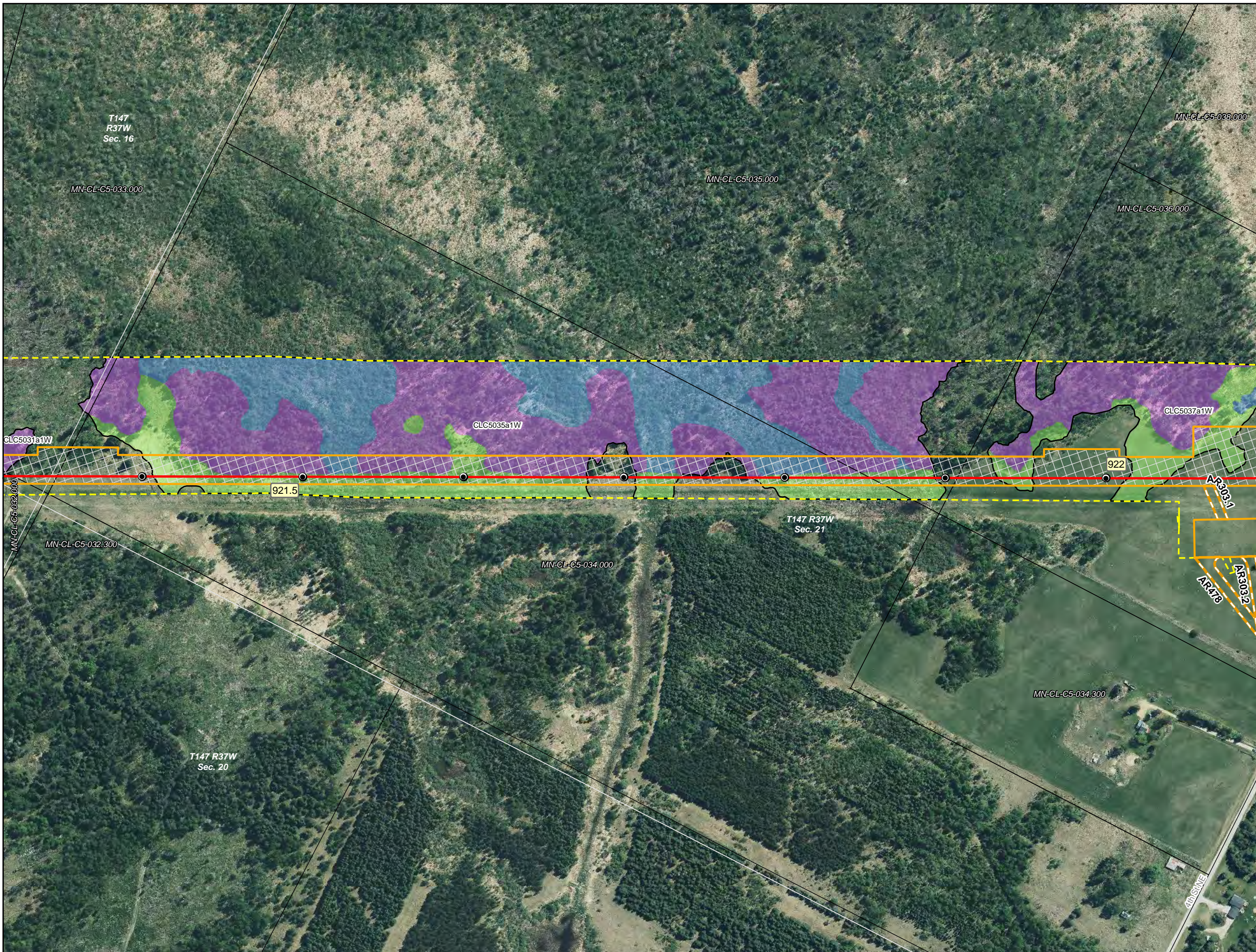
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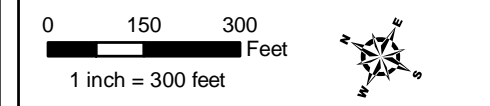
Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

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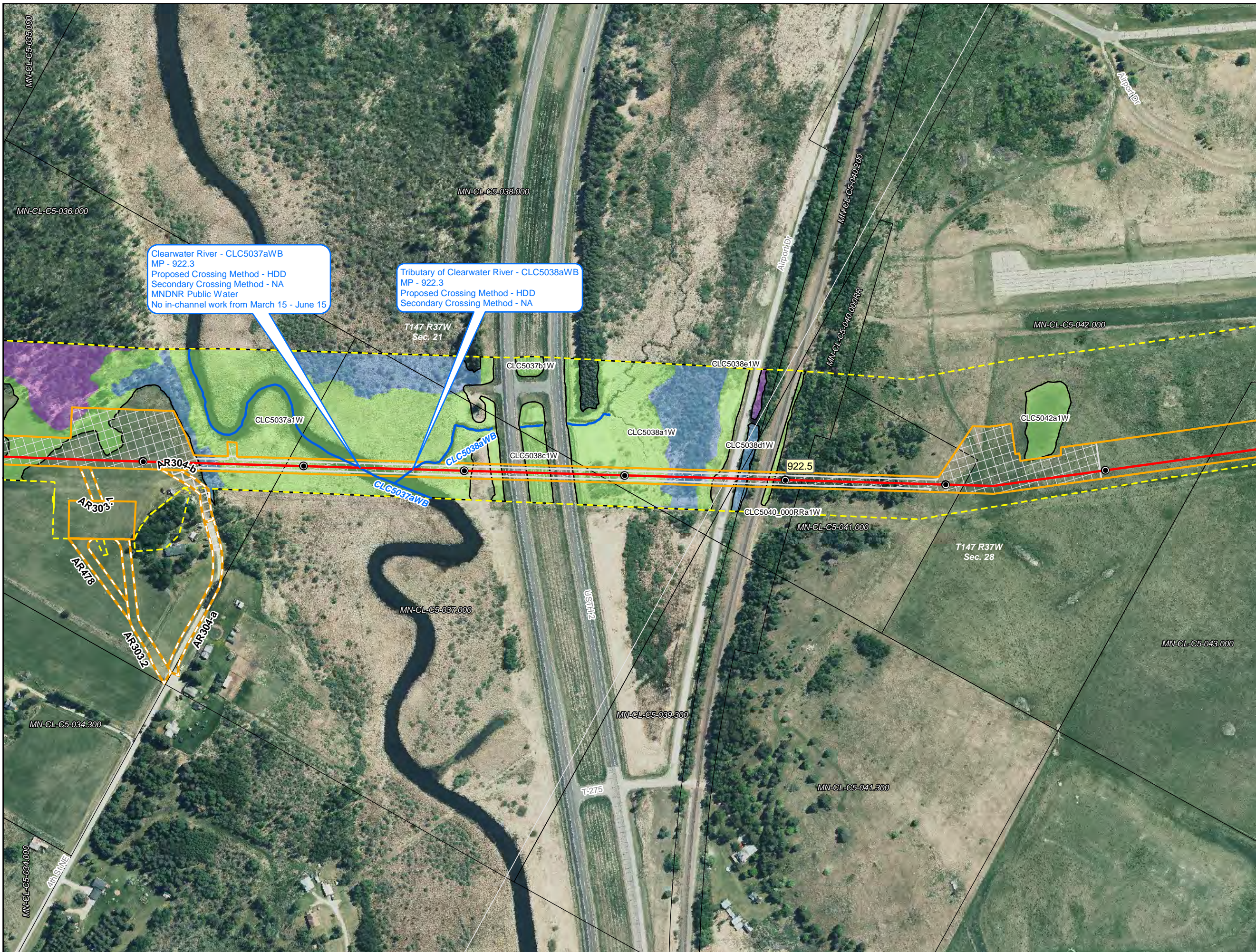
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| PSS | PSS |
| PUB | PUB |
- Waterbodies**
- Field Delineated Waterbody
 - - - NHD Waterbody
- NWI Waterbodies
- ▭ Lake/Pond
 - ▭ Riverine



Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

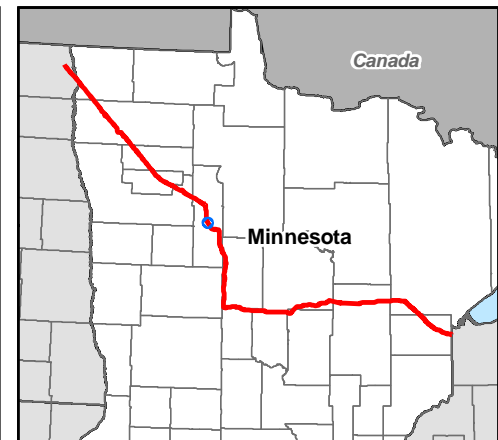


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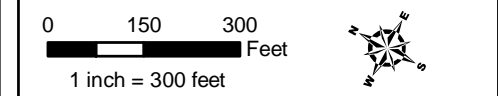
Clearwater River - CLC5037aWB
 MP - 922.3
 Proposed Crossing Method - HDD
 Secondary Crossing Method - NA
 MNDNR Public Water
 No in-channel work from March 15 - June 15

Tributary of Clearwater River - CLC5038aWB
 MP - 922.3
 Proposed Crossing Method - HDD
 Secondary Crossing Method - NA



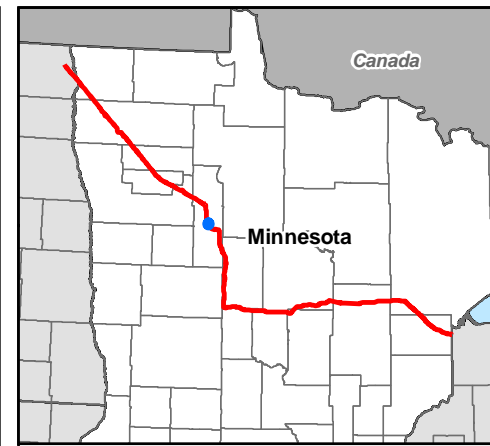
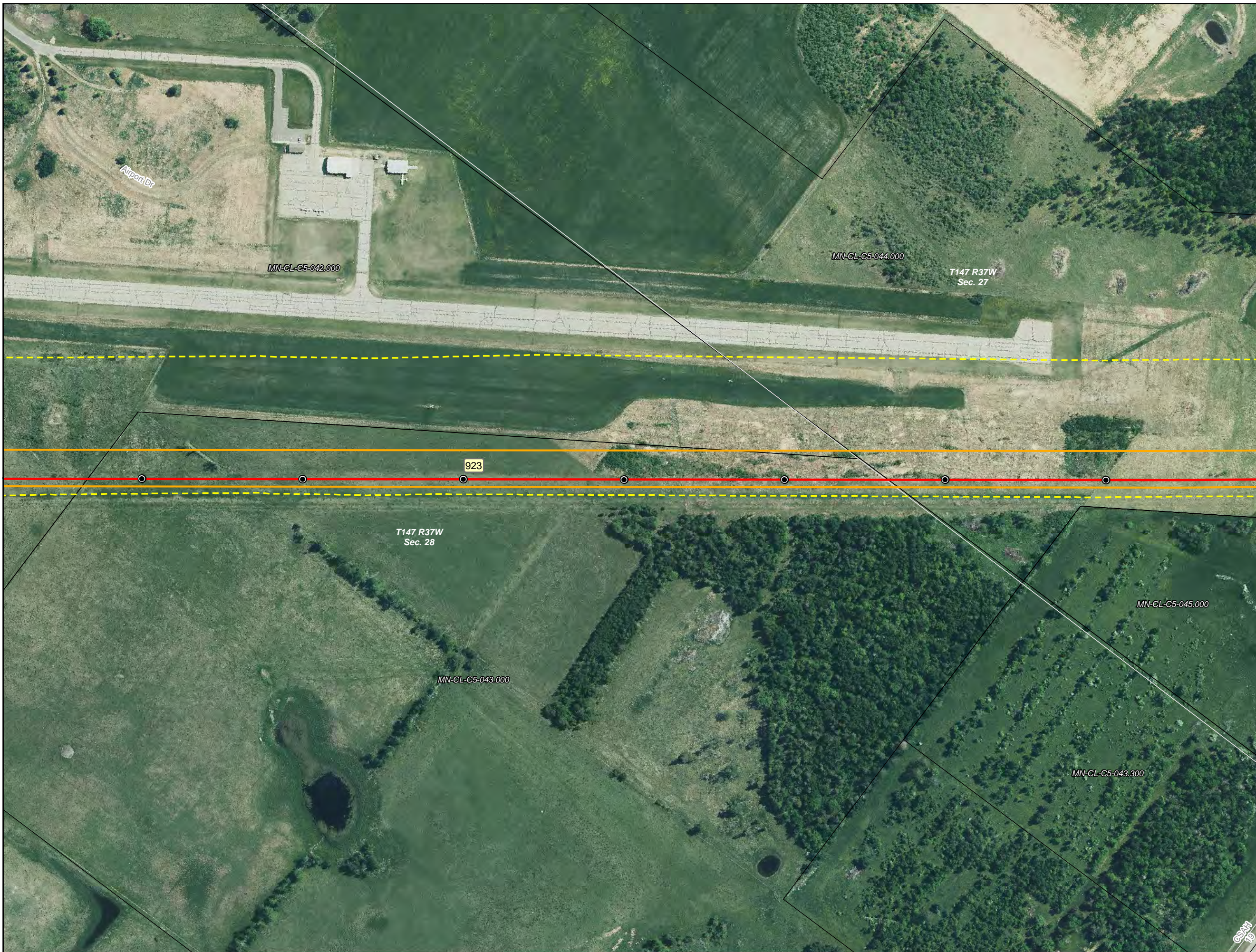
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- Line 3 Centerline
- ▭ Construction Workspace
- ▭ Access Road
- ▭ Haul Road/Corner Improvement
- ▭ COE Permit Area
- ▭ Survey Corridor
- ▭ Field Survey Partially or Not Complete
- ▭ Parcel Boundary
- ▭ County Boundary
- ▭ Section Boundary
- ▭ Cathodic 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



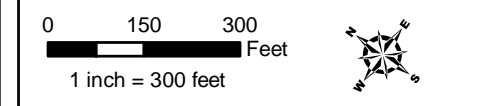
Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

Date: (1/23/2019) Source: Z:\Clients\IE - R\Enbridge\Line_3_Full_Replacement\Permitting\Federal\COE\2019_11\Figures\3_Min_COE_Alignment_Sheets_RevA.mxd



- Milepost
- Line 3 Centerline
- ▭ Construction Workspace
- ▭ Access Road
- ▭ Haul Road/Corner Improvement
- ▭ COE Permit Area
- ▭ Survey Corridor
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- ▭ County Boundary
- ▭ Section Boundary
- ▭ Cathodic Protection
- ▭ Valve Location
- ▭ Pump Station

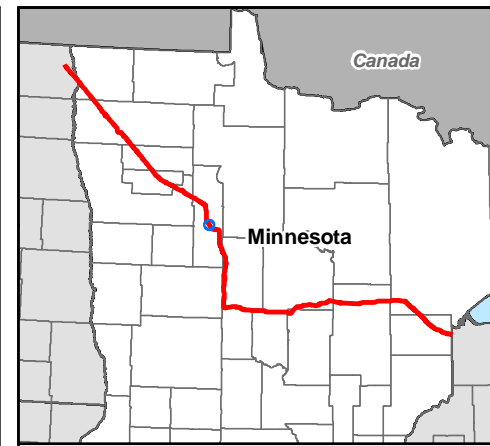
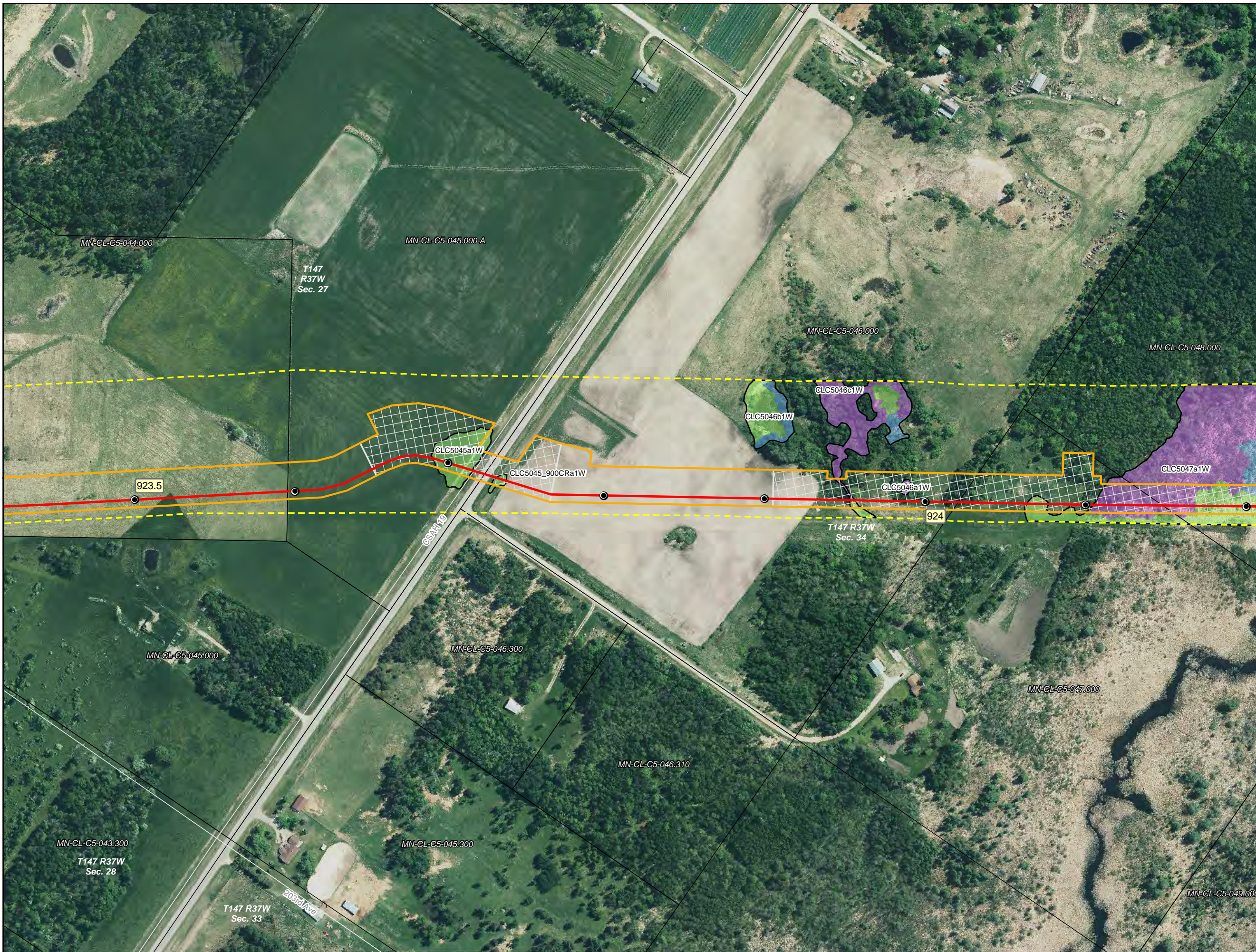
- Environmental Field Data**
- Wetlands**
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| PEM | PEM |
| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota



Date: (10/31/2019) Source: Z:\Clients\T_H\Enbridge\Line_3_Full_Replacement\Permitting\Federal\COE\2019_1\Figures\3_MN_COE_Alignment_Sheets_RevX.mxd



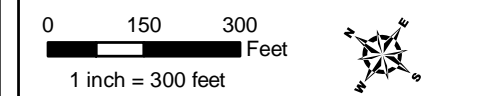
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- ▭ Haul Road/Corner Improvement
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- ▭ Survey Corridor
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- ▭ Section Boundary
- ▭ Cathodic Protection
- ▭ Valve Location
- ▭ Pump Station

Environmental Field Data

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

Waterbodies

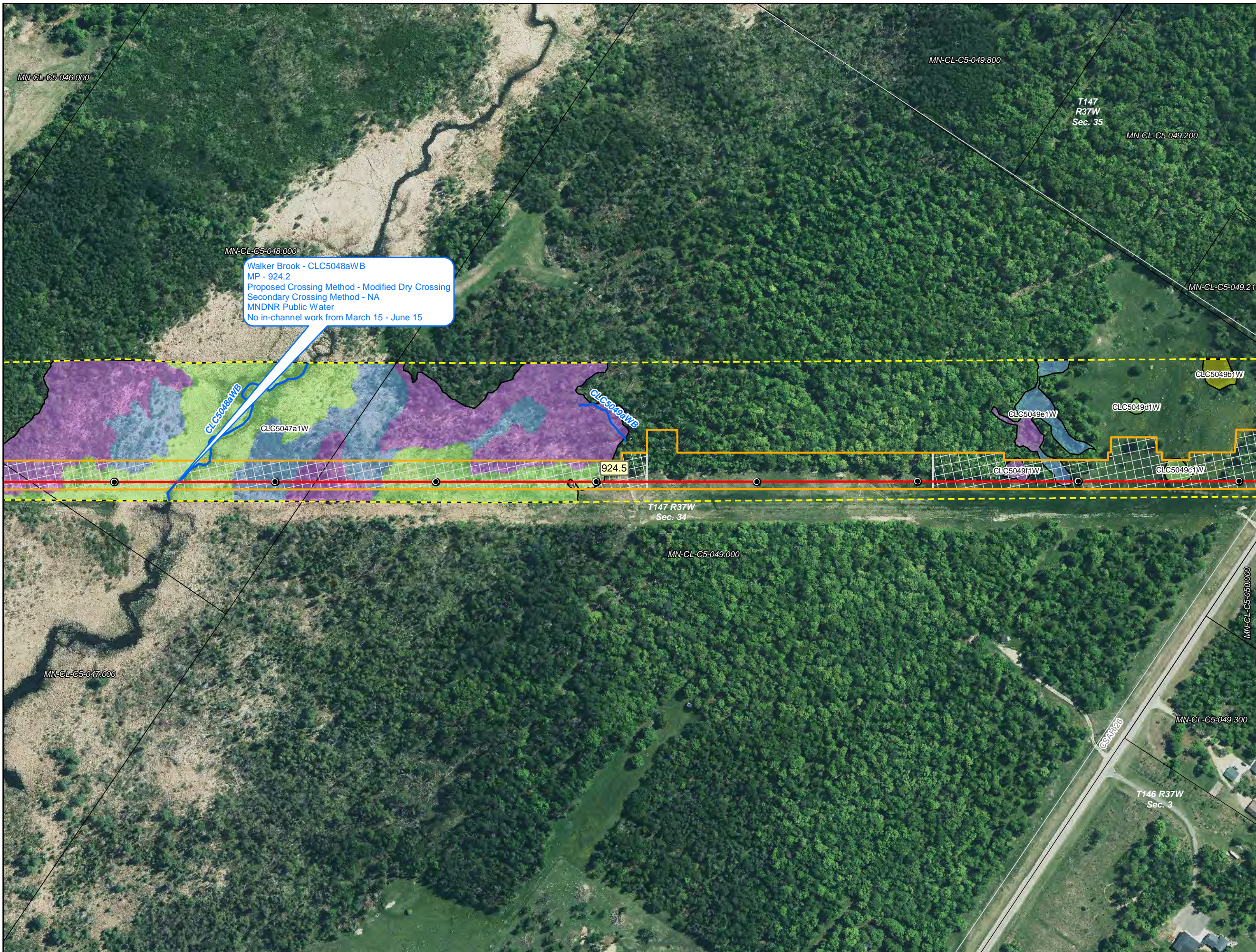
Field Delineated Waterbody	NHD Waterbody
Lake/Pond	Riverine



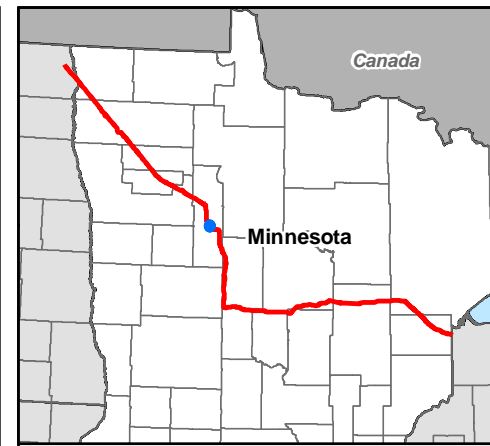
Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota



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Walker Brook - CLC5048aWB
 MP - 924.2
 Proposed Crossing Method - Modified Dry Crossing
 Secondary Crossing Method - NA
 MNDNR Public Water
 No in-channel work from March 15 - June 15

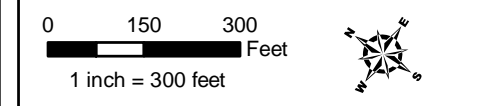


- Milepost
- Line 3 Centerline
- Construction Workspace
- Access Road
- Haul Road/Corner Improvement
- COE Permit Area
- Survey Corridor
- Field Survey Partially or Not Complete
- Parcel Boundary
- County Boundary
- Section Boundary
- Cathodic Protection
- Valve Location
- Pump Station

Environmental Field Data

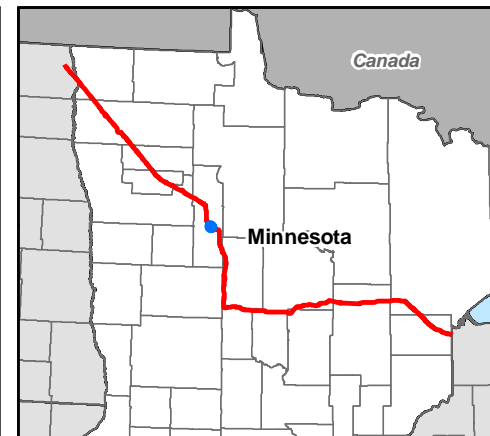
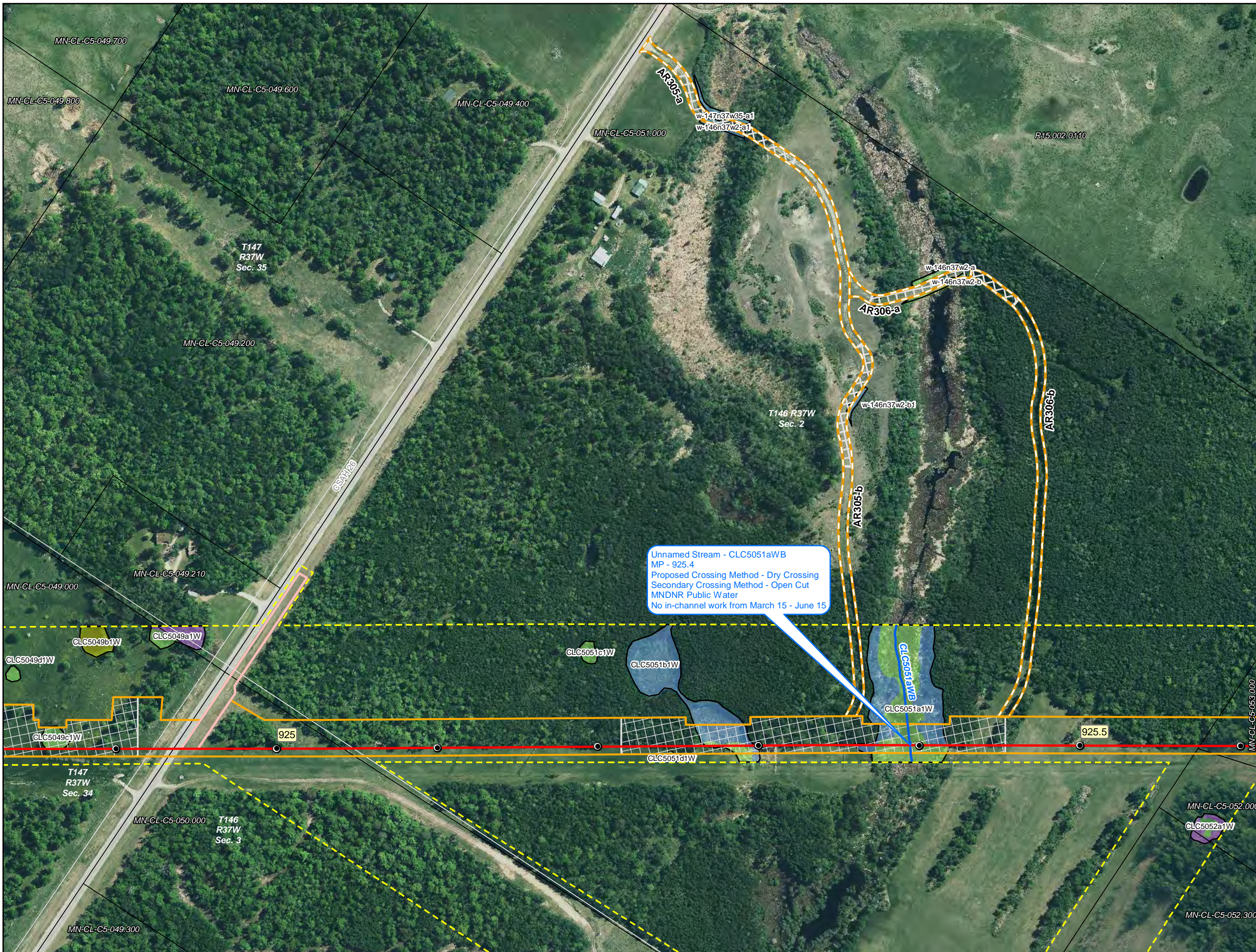
Wetlands	
Field Delineated Wetland	NWI Wetlands
PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB

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



Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

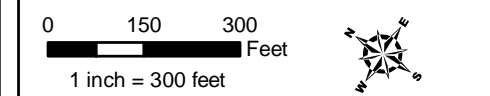
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- Milepost
- Line 3 Centerline
- Construction Workspace
- Access Road
- Haul Road/Corner Improvement
- COE Permit Area
- Survey Corridor
- Field Survey Partially or Not Complete
- Parcel Boundary
- County Boundary
- Section Boundary
- Cathodic Protection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

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

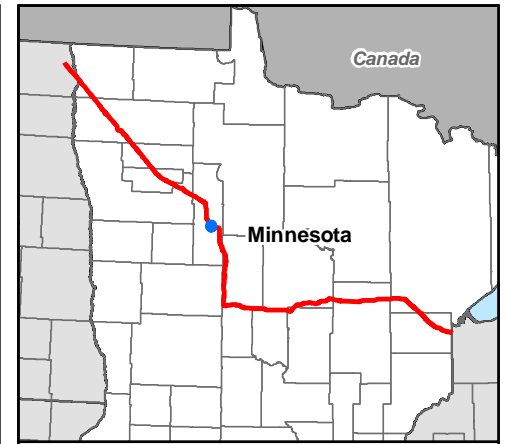
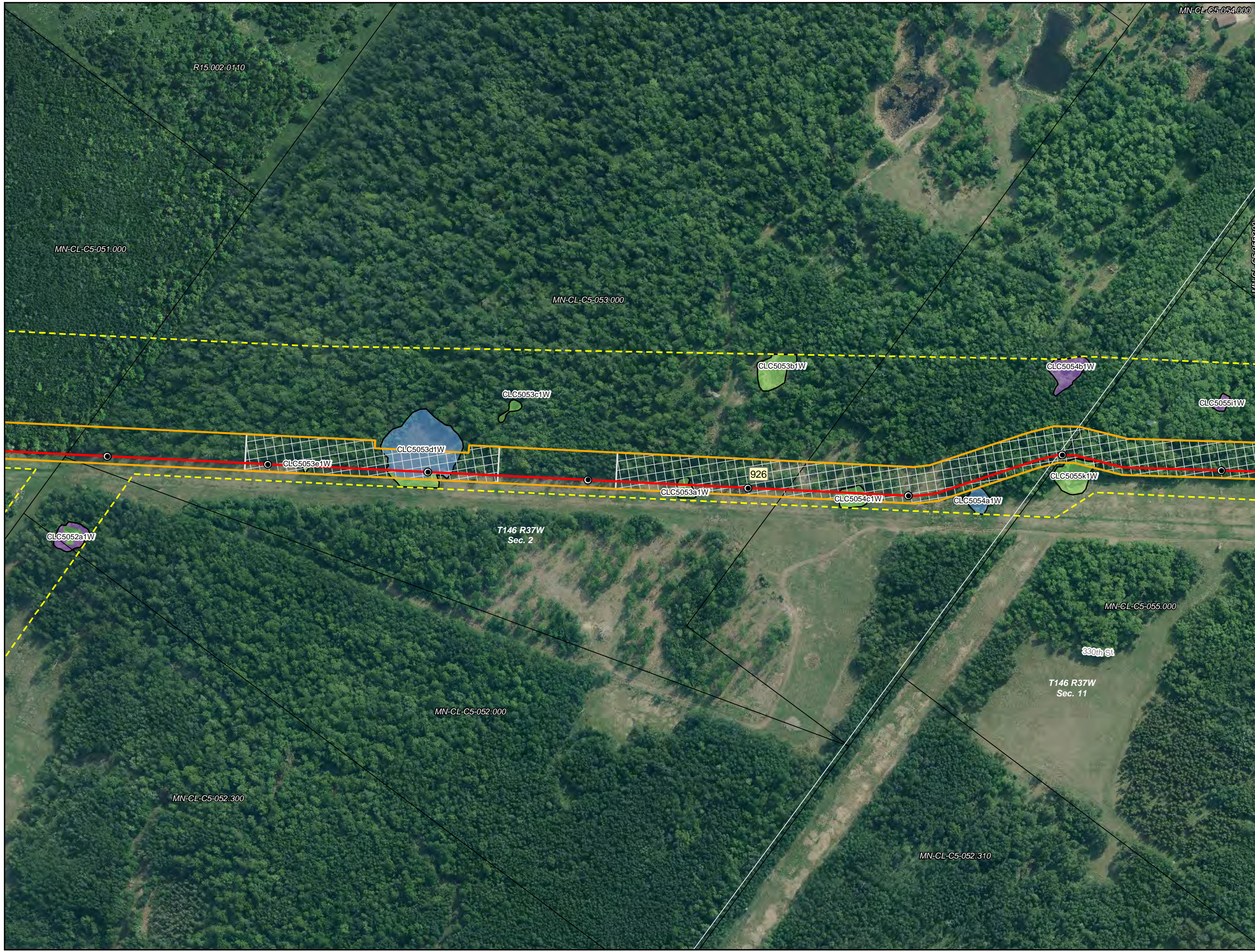
Unnamed Stream - CLC5051aWB
 MP - 925.4
 Proposed Crossing Method - Dry Crossing
 Secondary Crossing Method - Open Cut
 MNDNR Public Water
 No in-channel work from March 15 - June 15



Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

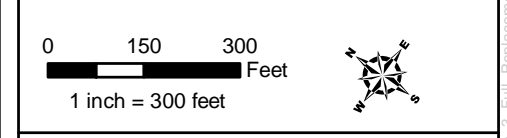


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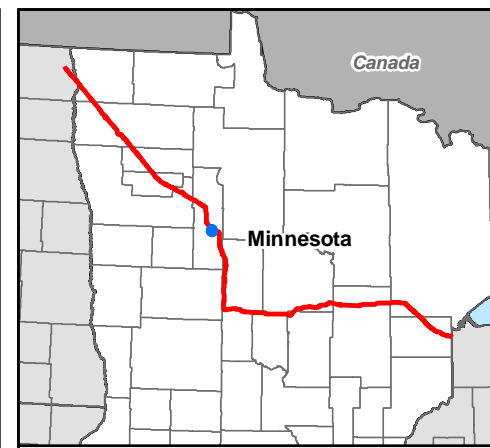
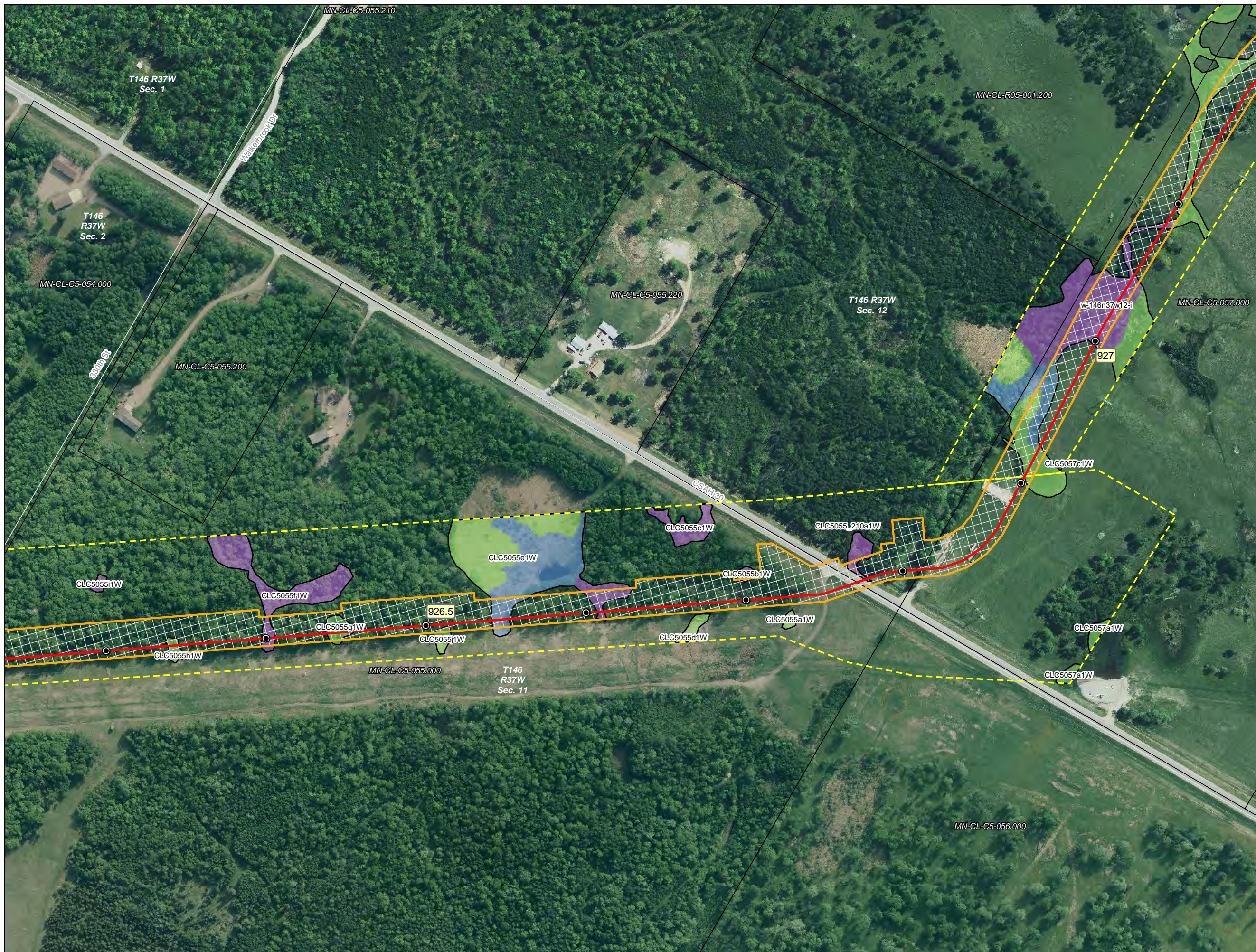
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- ▭ Access Road
- ▭ Haul Road/Corner Improvement
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- ▭ Survey Corridor
- ▭ Field Survey Partially or Not Complete
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- ▭ Section Boundary
- ▭ Cathodic Protection
- ▭ Valve Location
- ▭ Pump Station

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



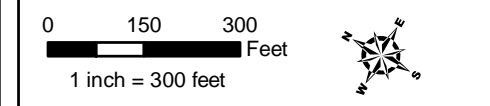
Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

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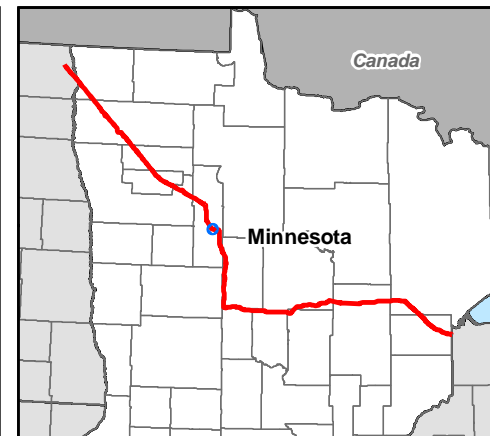
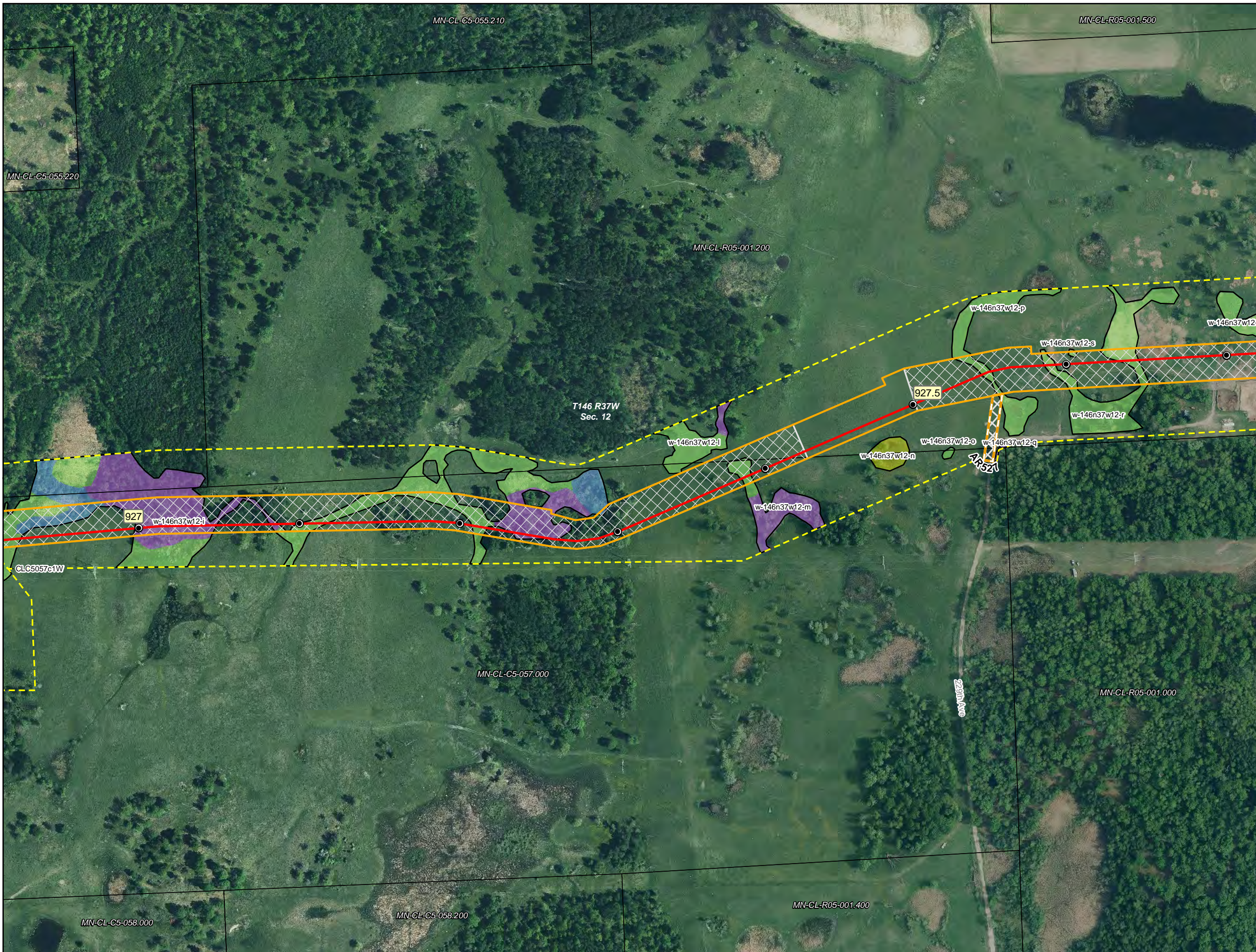
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- ▭ Access Road
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- ▭ Survey Corridor
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- Wetlands**
- | | |
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| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
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 - ▭ Riverine



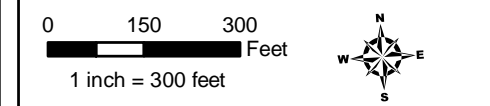
Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

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- Milepost
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- Environmental Field Data**
- Wetlands**
- | | |
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| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota



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- ▭ Section Boundary
- ▭ Cathodic Protection
- ▭ Valve Location
- ▭ Pump Station

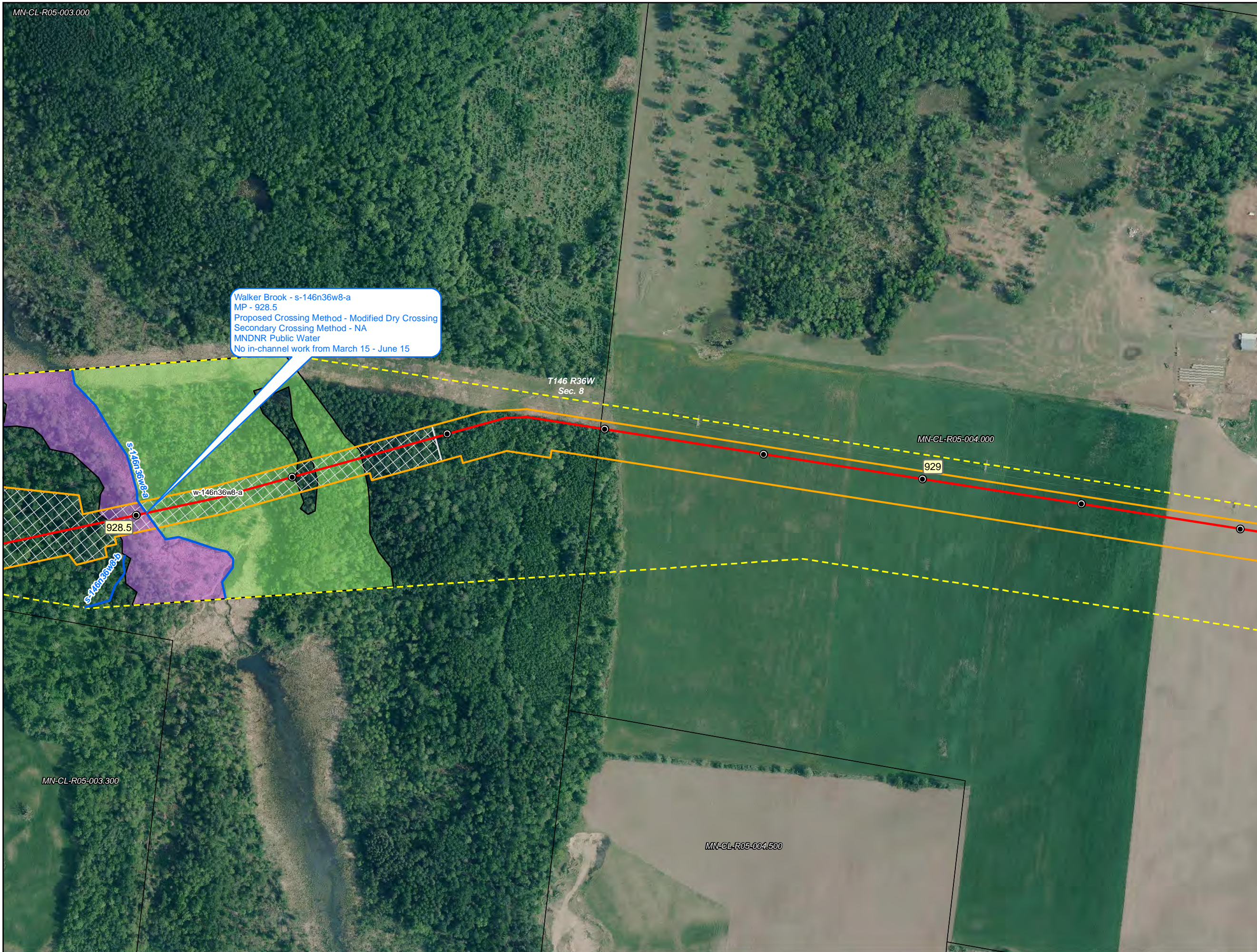
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| PFO | PFO |
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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota



Source: Z:\Clients\T_H\Enbridge\Line_3_Full_Replacement\Permitting\Federal\COE\2019_1\Figures\Line_3_Min_COE_Alignment_Sheets_RevX.mxd



Walker Brook - s-146n36w8-a
 MP - 928.5
 Proposed Crossing Method - Modified Dry Crossing
 Secondary Crossing Method - NA
 MNDNR Public Water
 No in-channel work from March 15 - June 15



- Milepost
- Line 3 Centerline
- ▭ Construction Workspace
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- ▭ Haul Road/Corner Improvement
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- ▭ Cathodic Protection
- ▭ Valve Location
- ▭ Pump Station

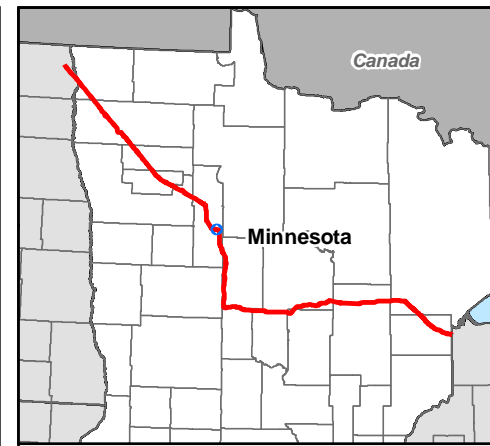
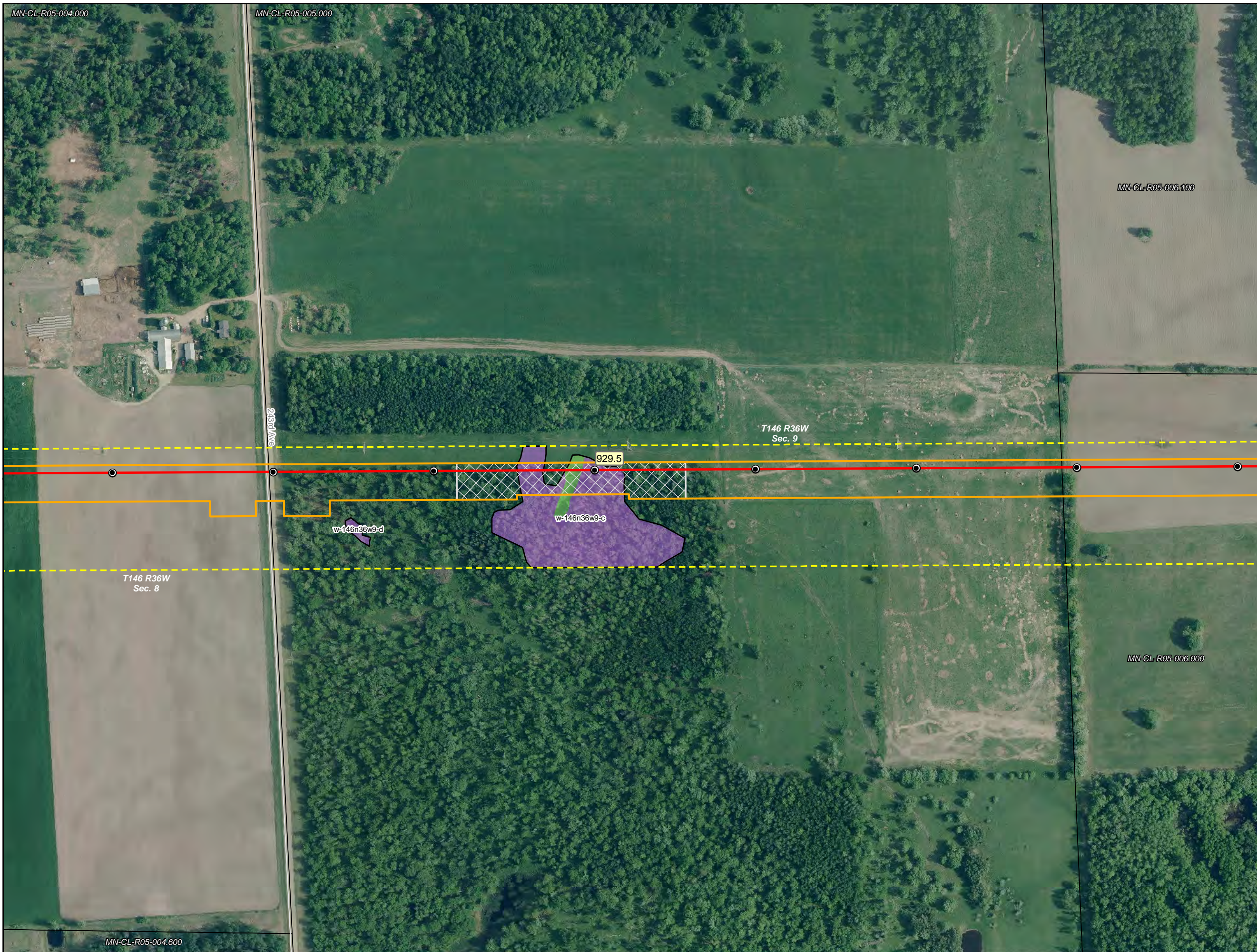
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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

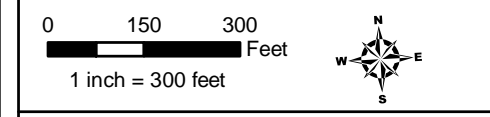


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- Milepost
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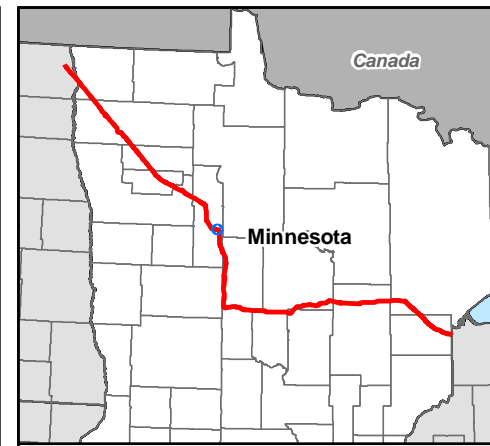
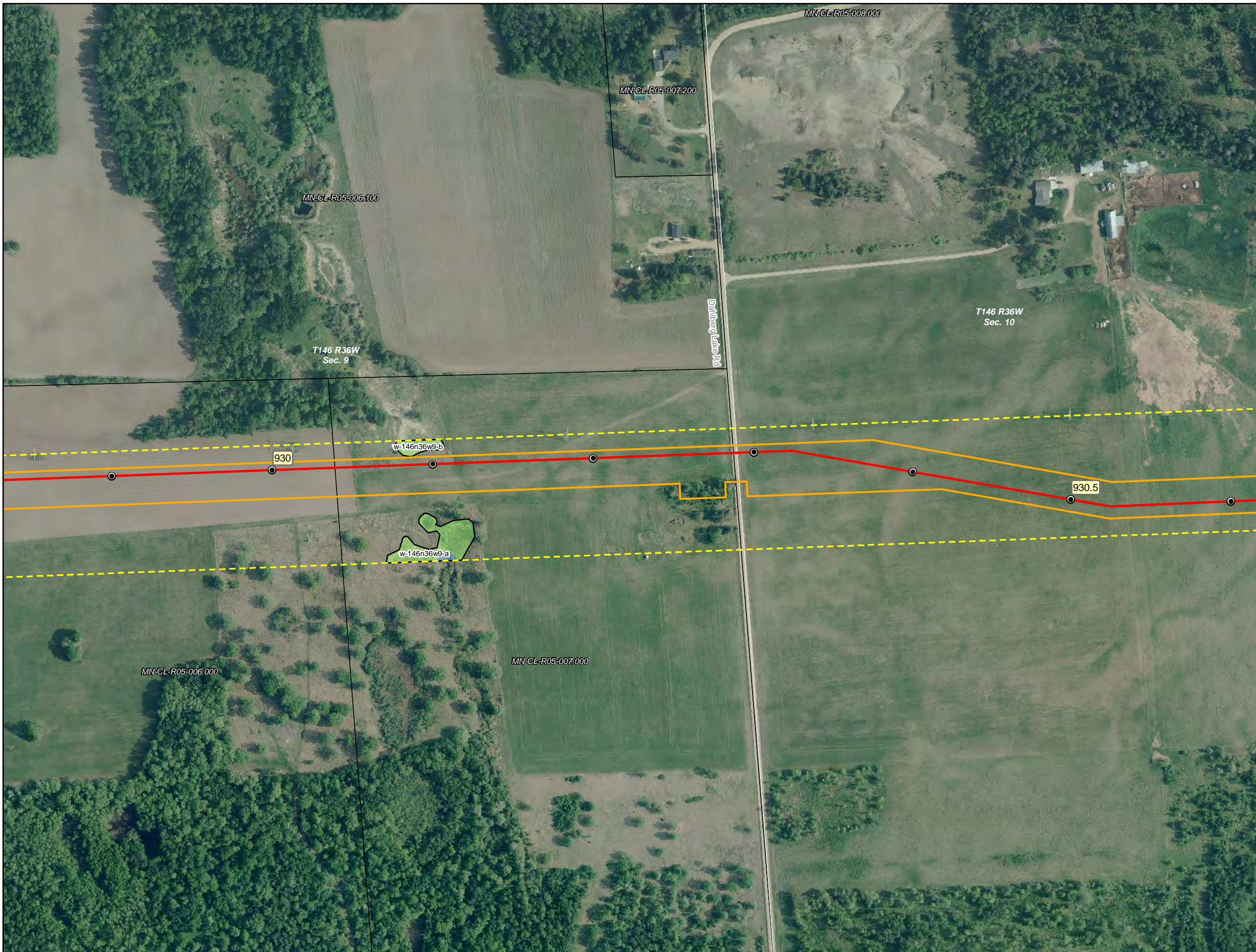
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| PEM | PEM |
| PFO | PFO |
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| PUB | PUB |
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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

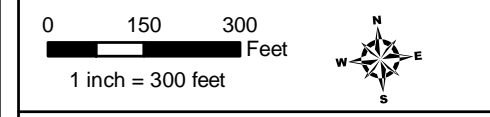


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- ▭ Pump Station

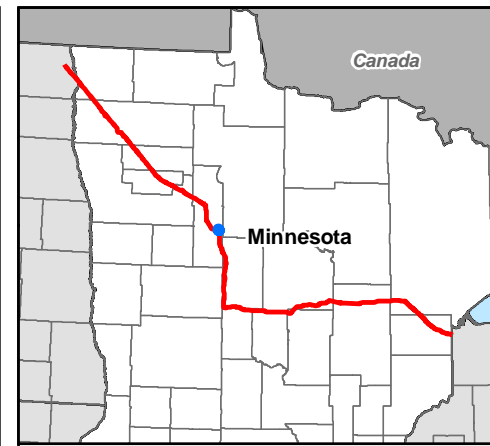
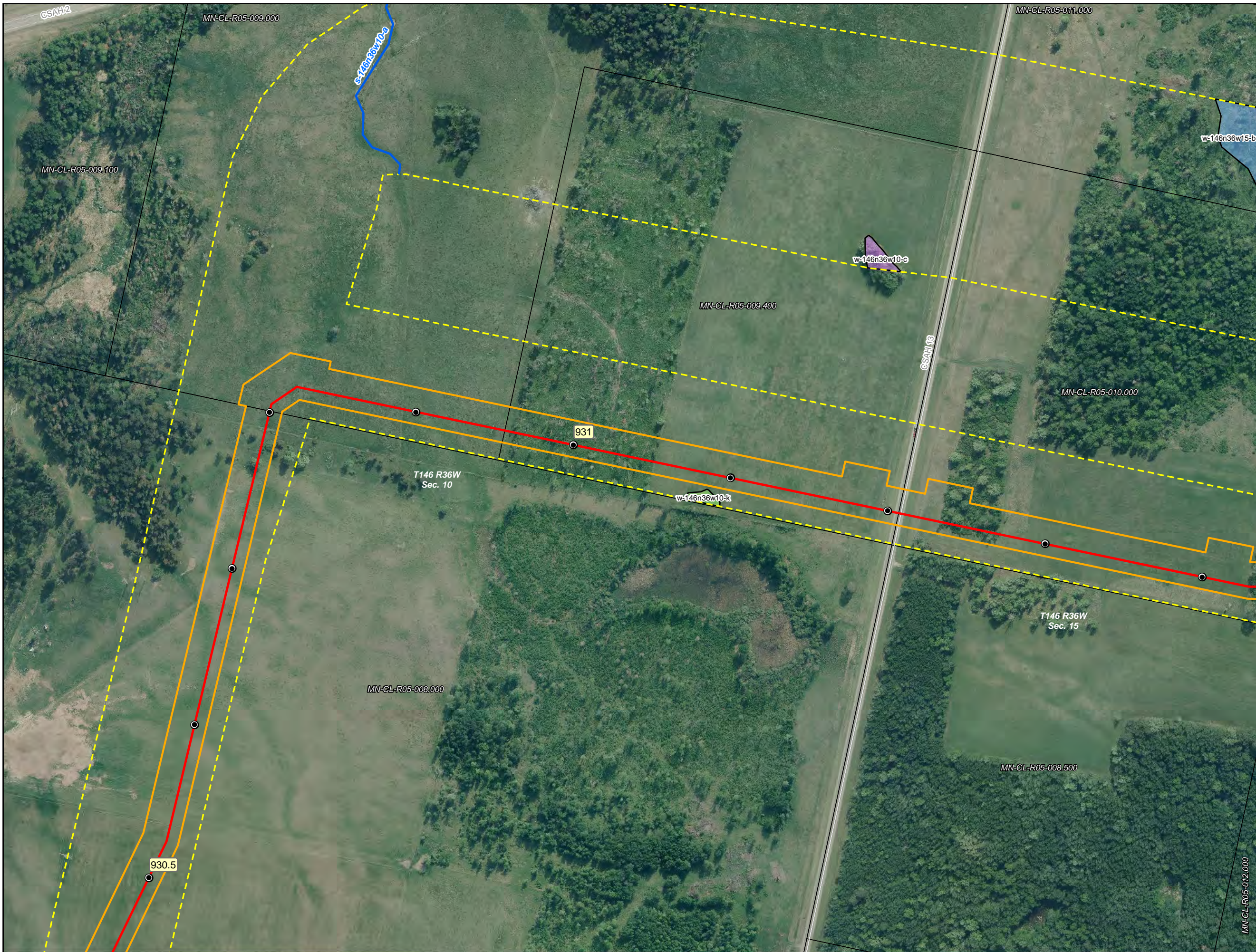
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| Field Delineated Wetland | NWI Wetlands |
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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

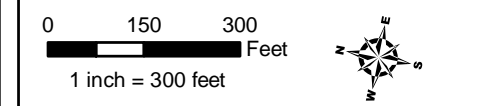


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- Valve Location
- Pump Station

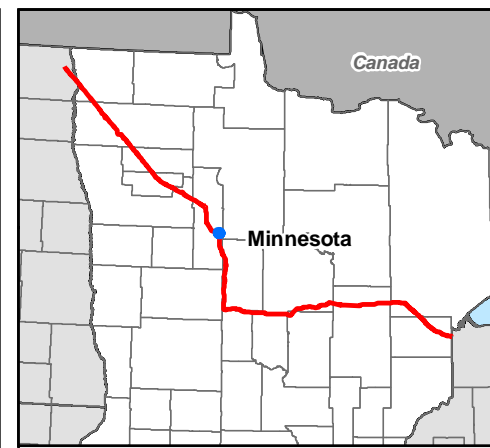
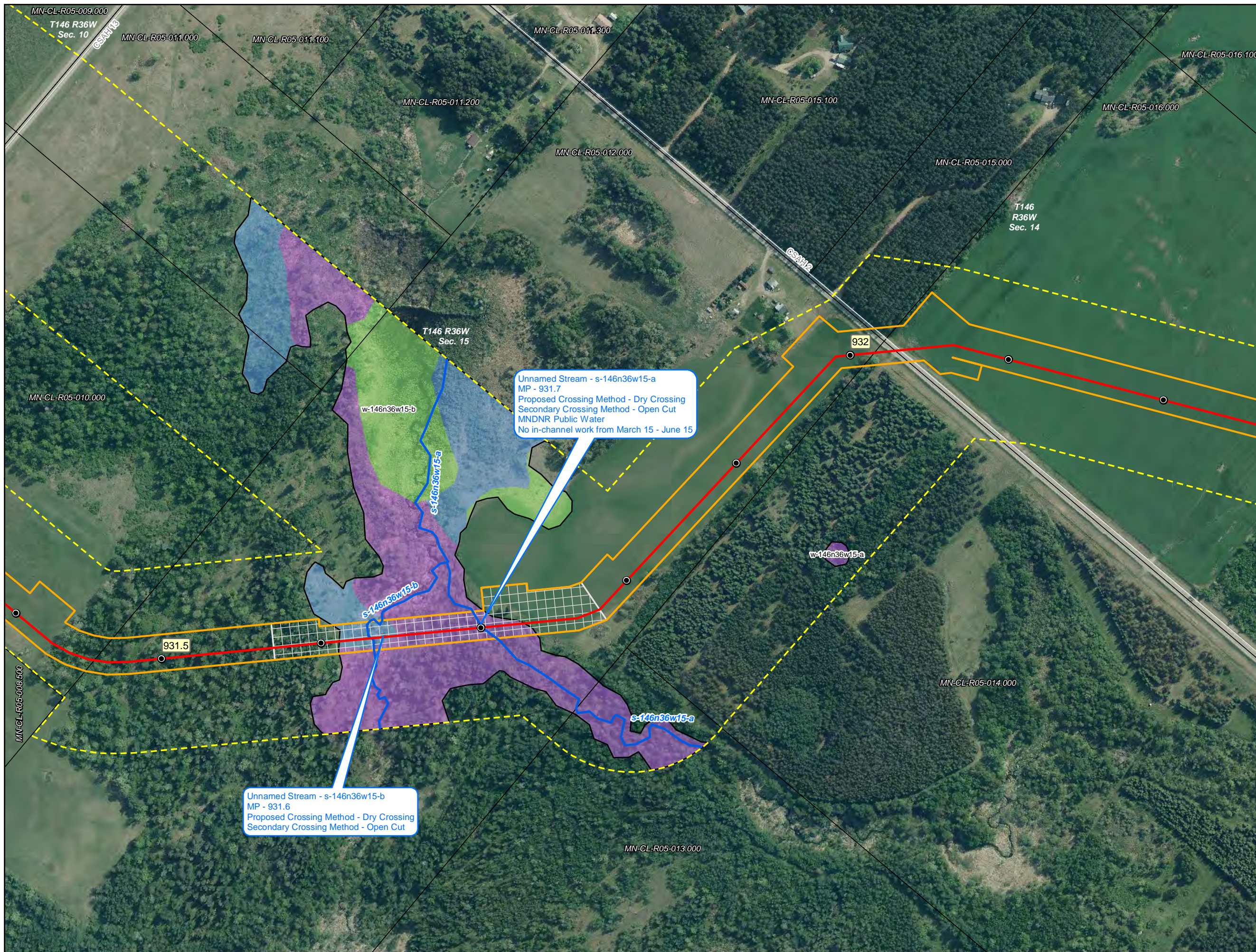
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- Wetlands**
- | | |
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| PFO | PFO |
| PSS | PSS |
| PUB | PUB |
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- Lake/Pond
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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota

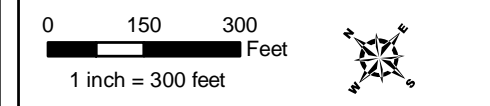


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Detailed Route Maps
Line 3 Replacement Project
 Clearwater County, Minnesota



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