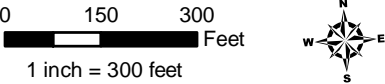


- Milepost
- Line 3 Centerline
- Construction Workspace
- Access Road
- Haul Road/Corner Improvement
- COE Permit Area
- Survey Corridor
- Field Survey Partially or Not Complete
- Parcel Boundary
- County Boundary
- Section Boundary
- Cathodic Protection
- Valve Location
- Pump Station

**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



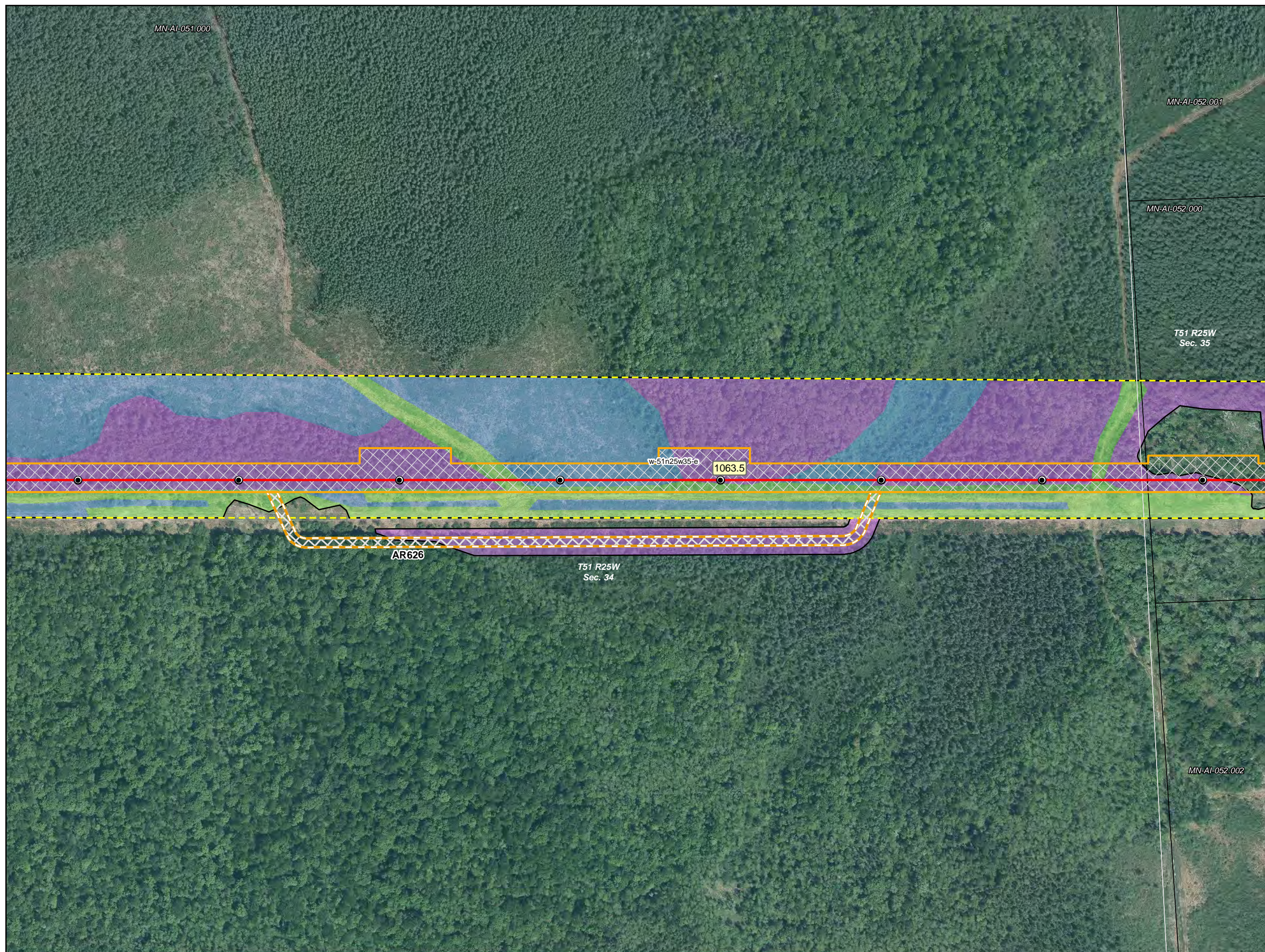
**Detailed Route Maps**















**Line 3 Replacement Project**

Aitkin County, Minnesota







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

## Environmental Field Data

## Wetlands

Field Delineated Wetland

WI Wetlands

PEM

 PEM

**P**

PERM  
BEO

**D**

 FCC  
 BCC

PLP

 F33

 DUB

## Waterbodies

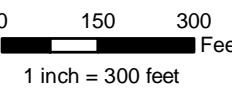
— Field Delineated Waterbody

- ■ ■ NHD Waterbody

## NWI Waterbodies

 Lake/Pond Riverine

\_\_\_\_\_



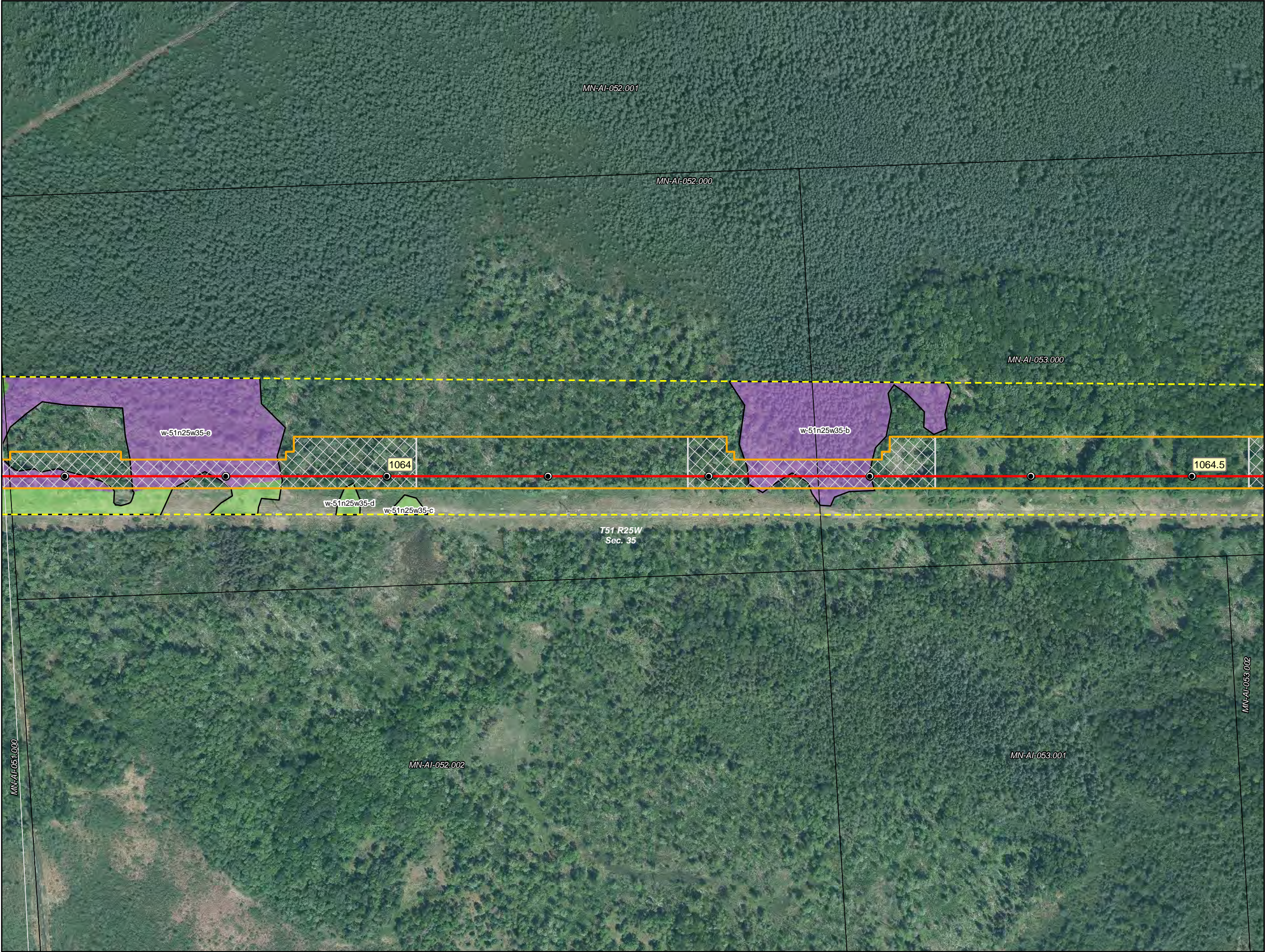
## Detailed Route Maps

## Line 3 Replacement Project

## Aitkin County, Minnesota



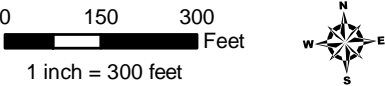




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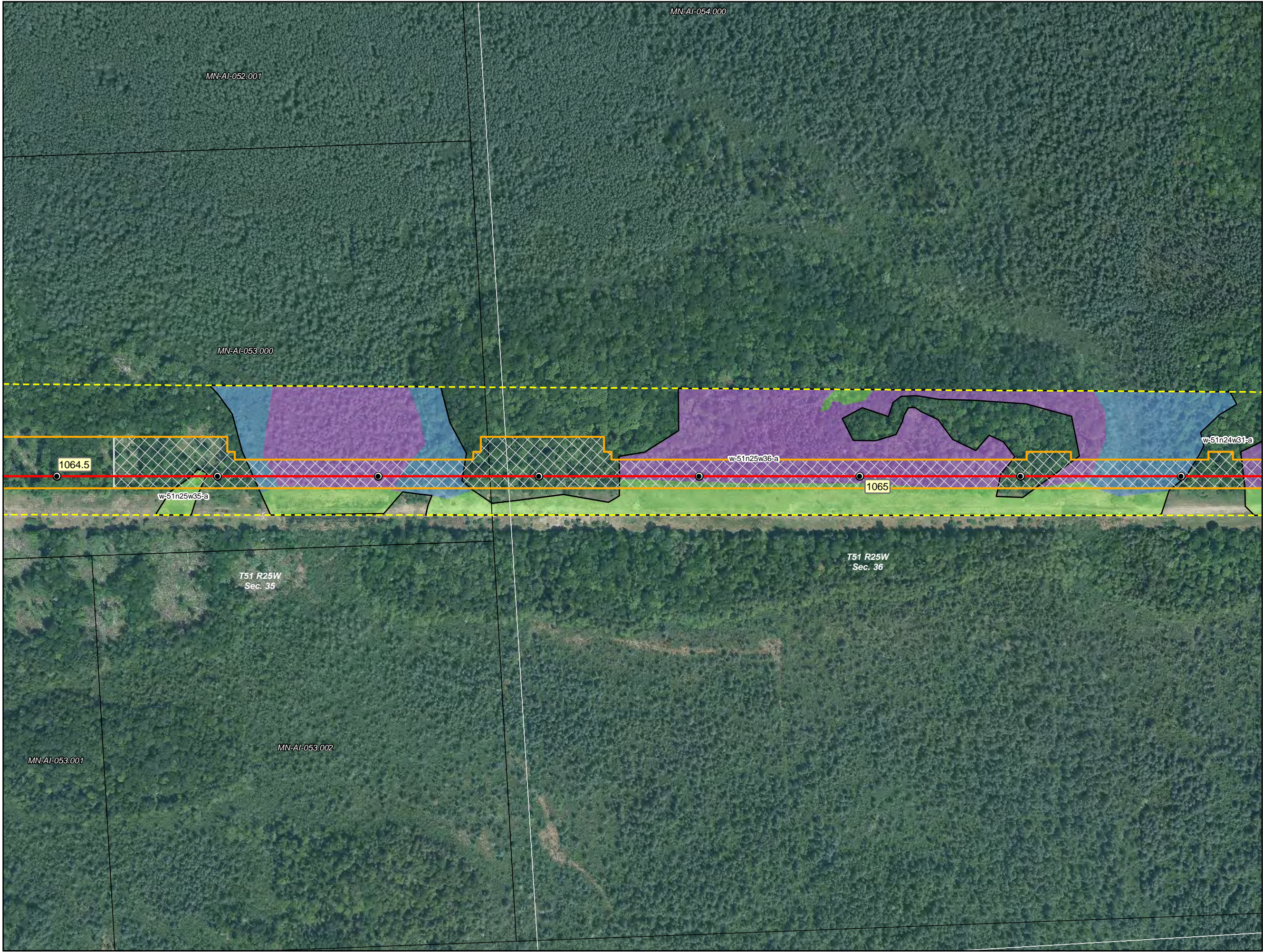


**Detailed Route Maps**  
**Line 3 Replacement Project**

Aitkin County, Minnesota







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**Environmental Field Data**

**Wetlands**

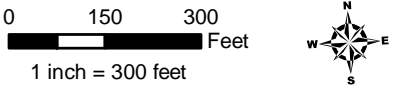
Field Delineated Wetland	NWI Wetlands
PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB

**Waterbodies**

- Field Delineated Waterbody
- NHD Waterbody

NWI Waterbodies

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**Detailed Route Maps**

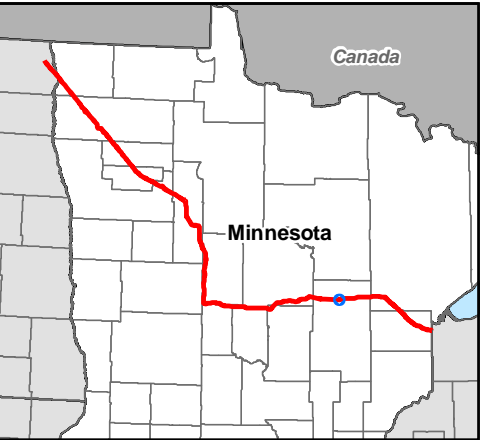
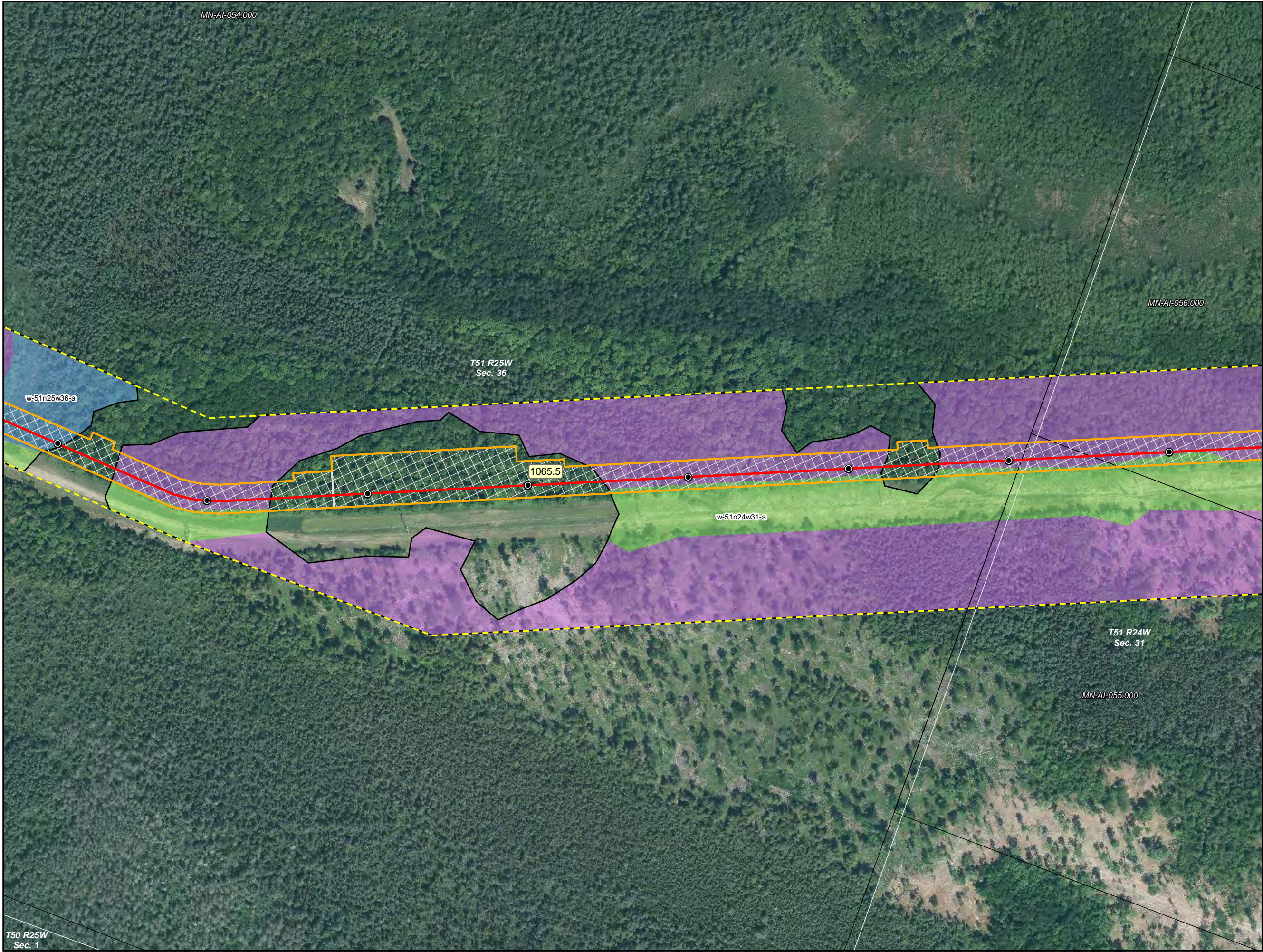
**Line 3 Replacement Project**

Aitkin County, Minnesota



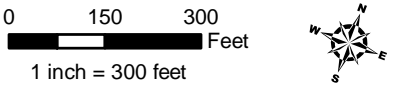
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- |                          |              |
|--------------------------|--------------|
| Field Delineated Wetland | NWI Wetlands |
| PEM                      | PEM          |
| PFO                      | PFO          |
| PSS                      | PSS          |
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**Detailed Route Maps**

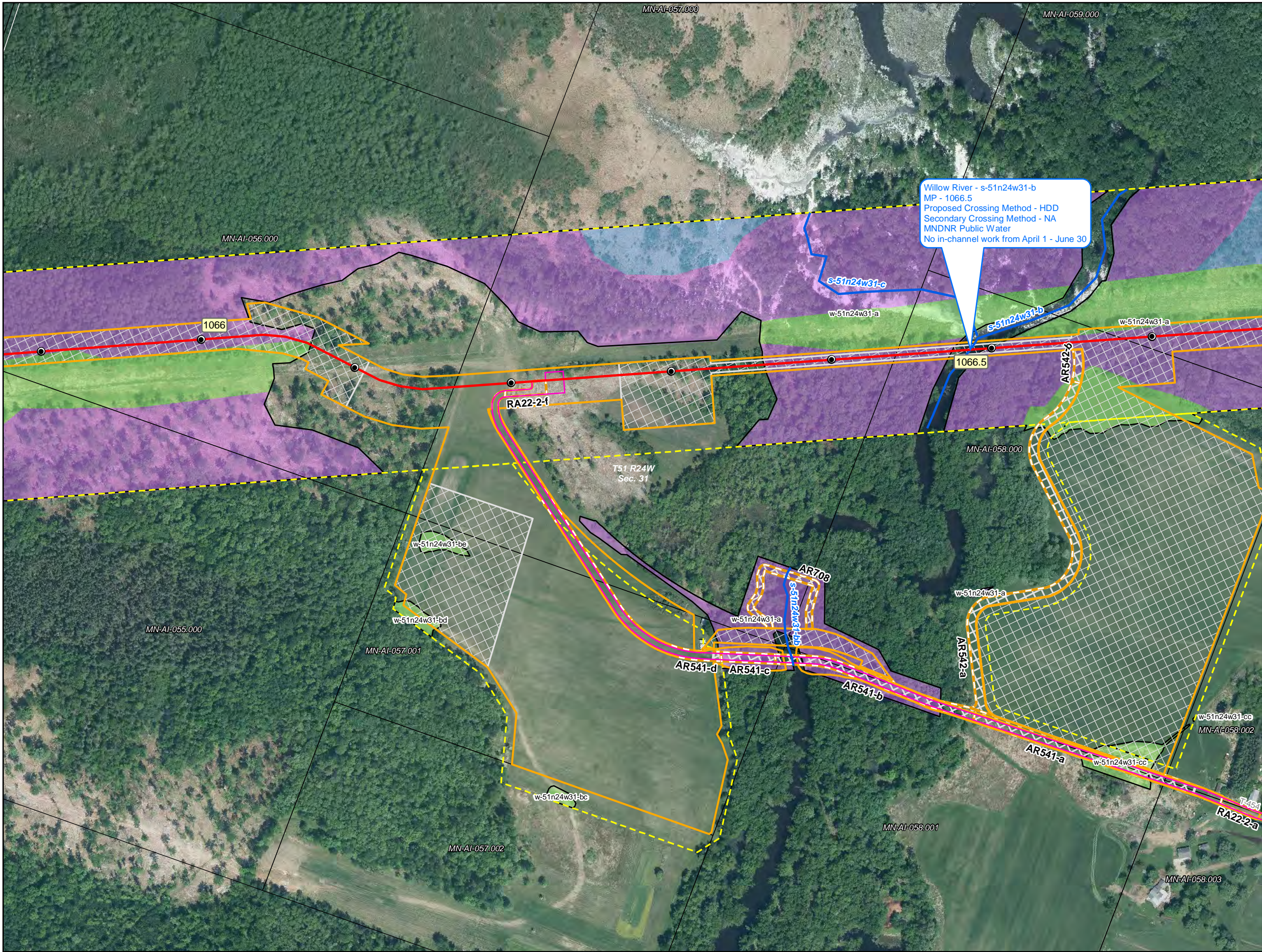
**Line 3 Replacement Project**

Aitkin County, Minnesota



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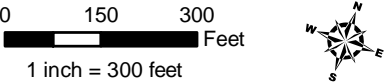


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**Environmental Field Data**

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	

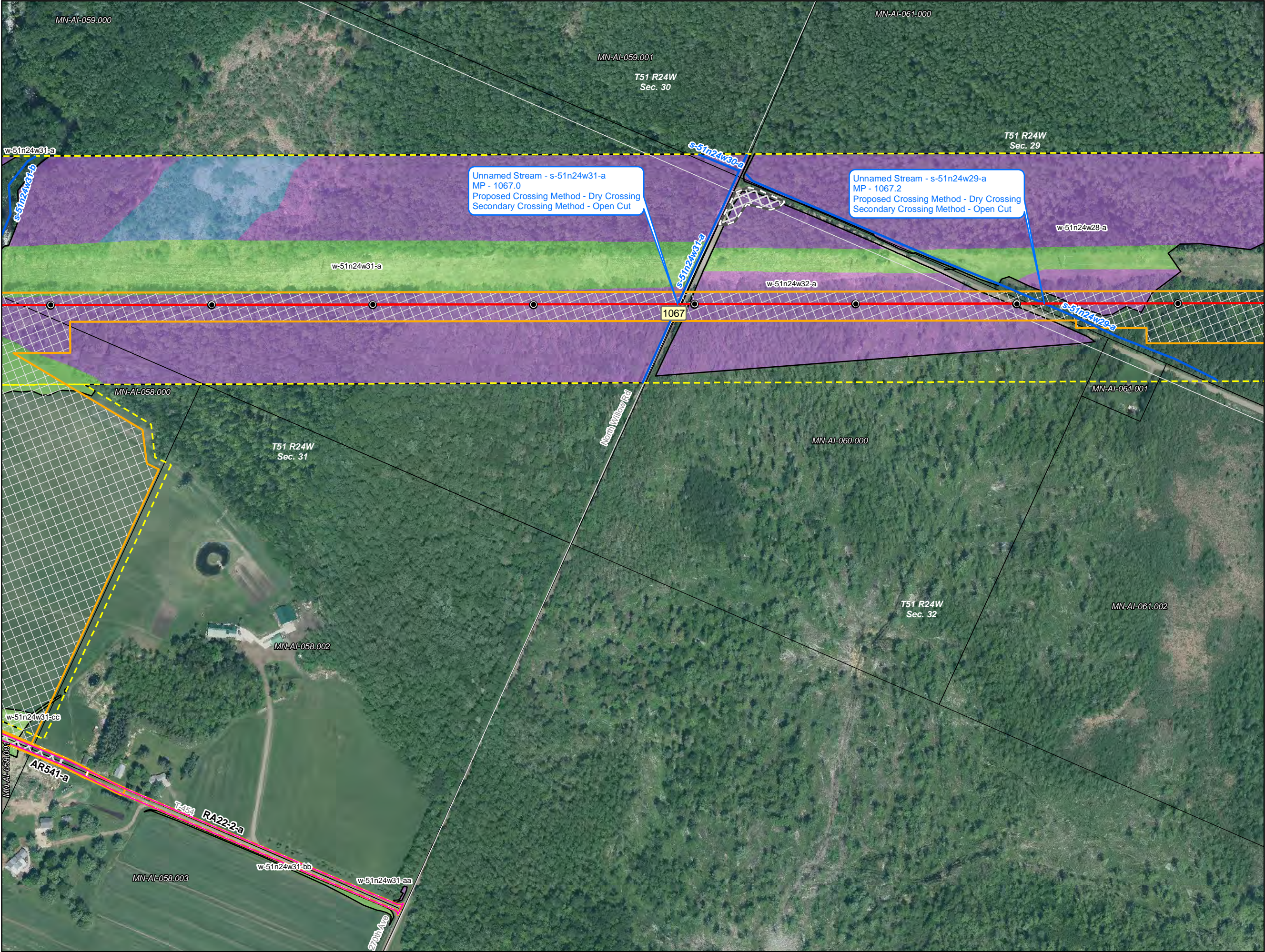


**Detailed Route Maps**  
**Line 3 Replacement Project**

Aitkin County, Minnesota

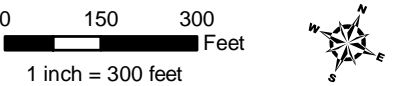






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- | Field Delineated Wetland | NWI Wetlands |
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| PFO                      | PFO          |
| PSS                      | PSS          |
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**Detailed Route Maps**

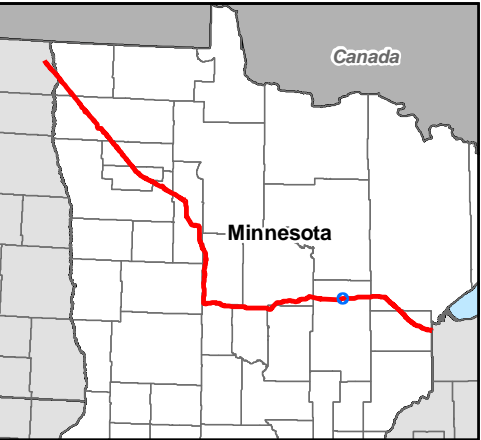
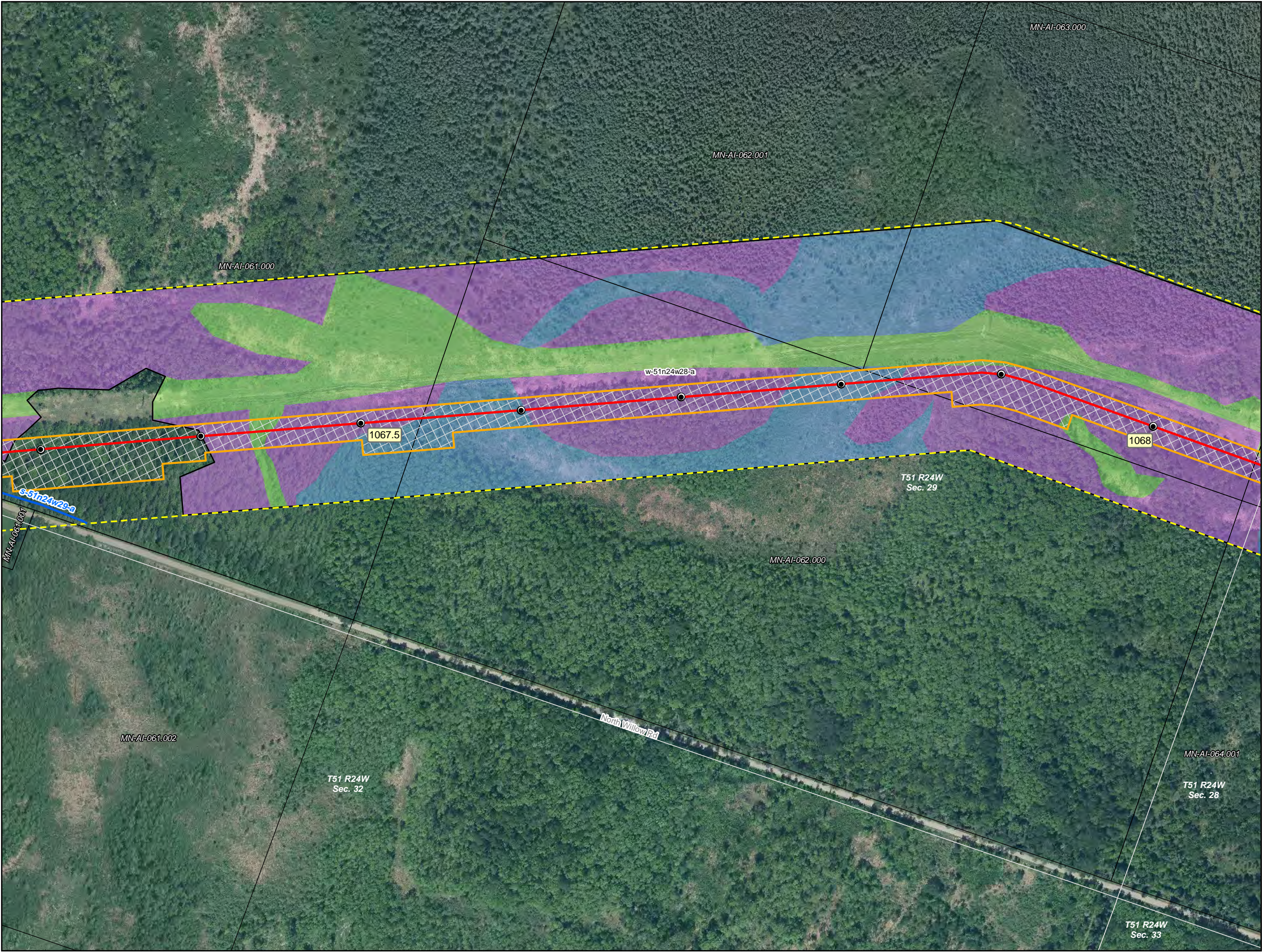
**Line 3 Replacement Project**

Aitkin County, Minnesota



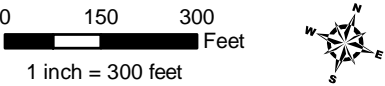
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- |                          |              |
|--------------------------|--------------|
| Field Delineated Wetland | NWI Wetlands |
| PEM                      | PEM          |
| PFO                      | PFO          |
| PSS                    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

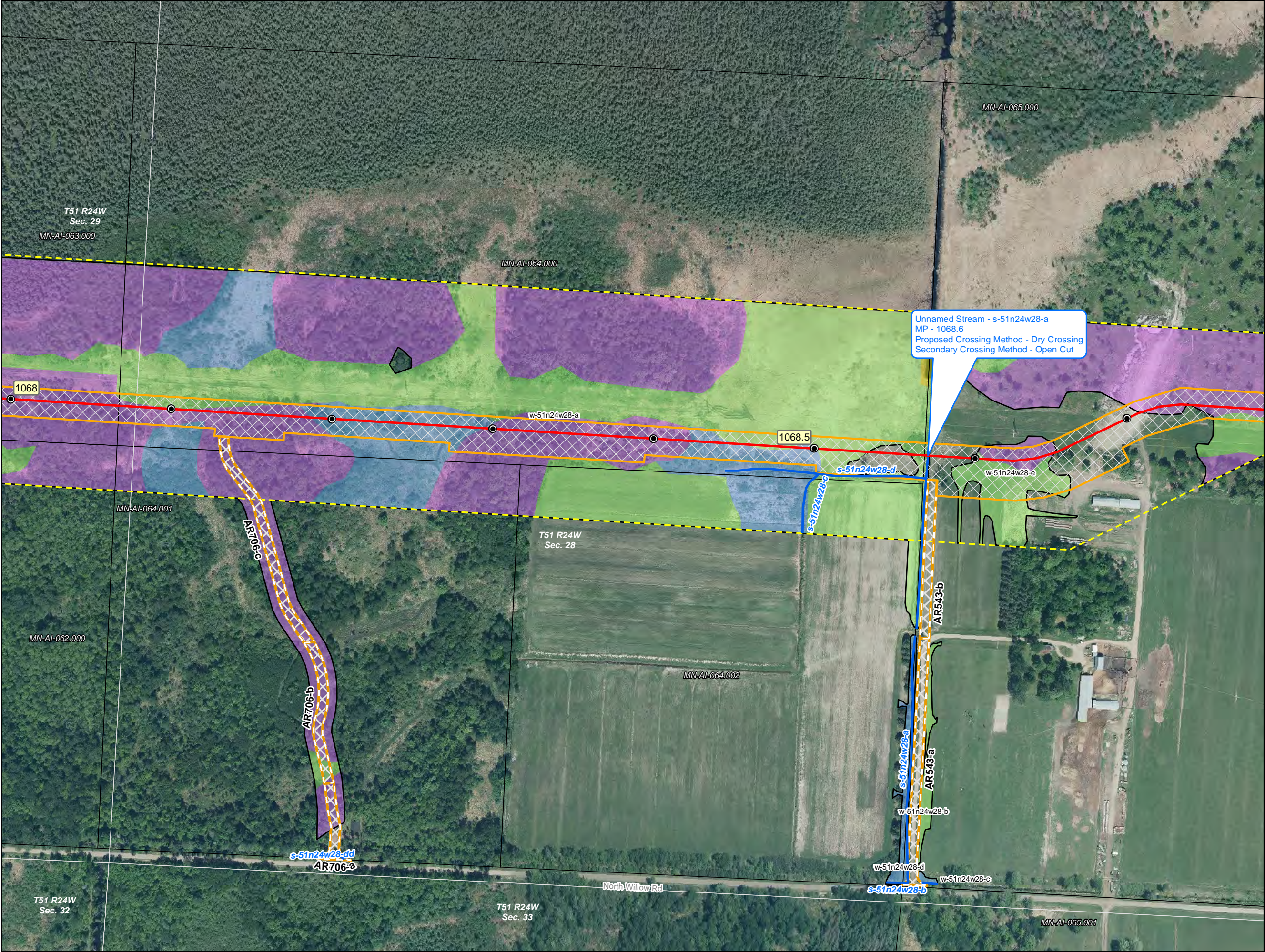
**Line 3 Replacement Project**

Aitkin County, Minnesota



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**Environmental Field Data**

**Wetlands**

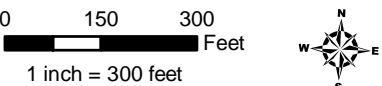
Field Delineated Wetland	NWI Wetlands
PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB

**Waterbodies**

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**Detailed Route Maps**

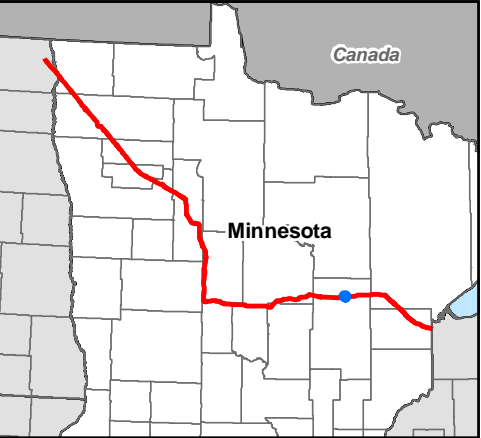
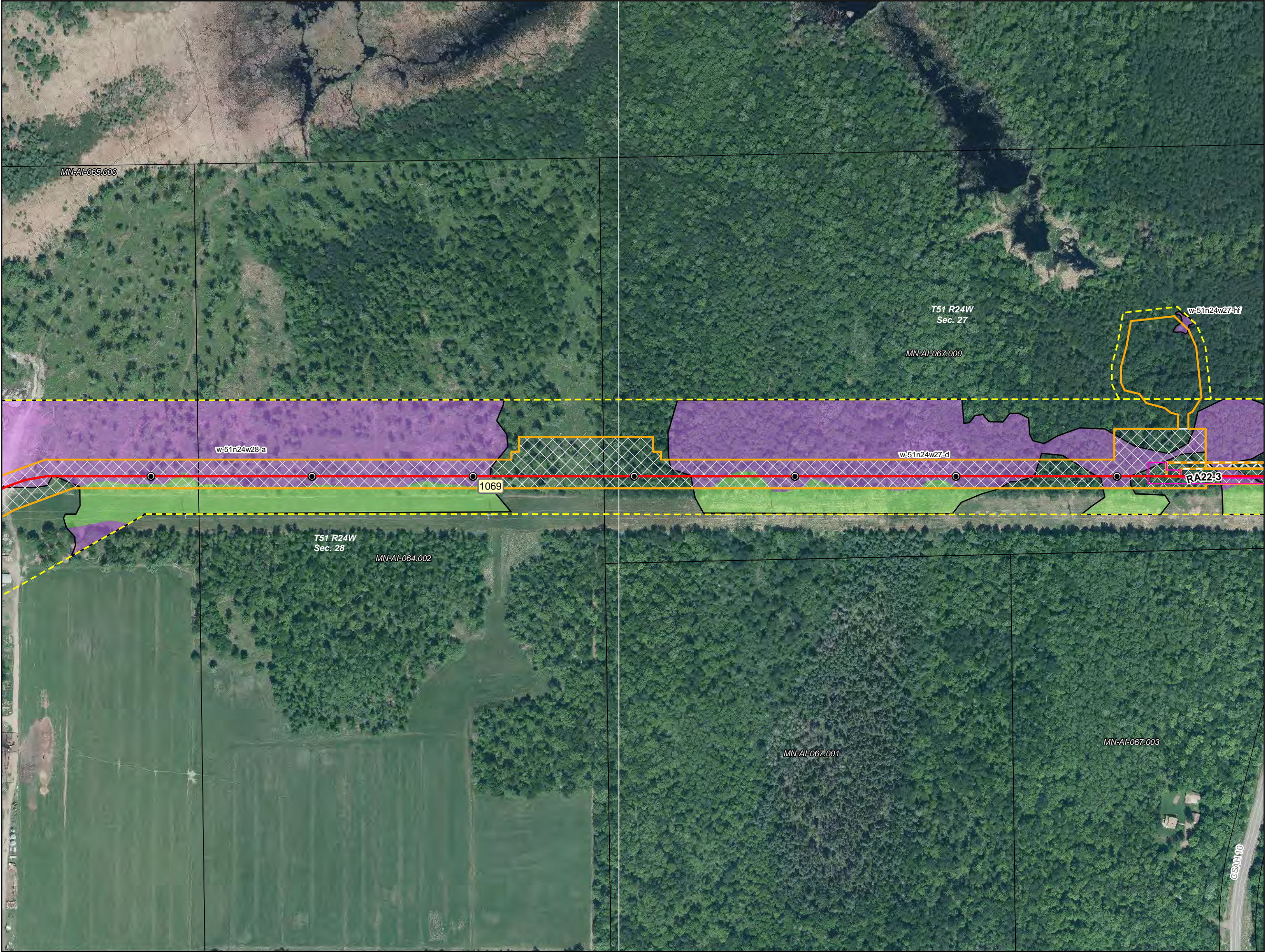
**Line 3 Replacement Project**

Aitkin County, Minnesota



Source: Z:\Client\ENR\ENR\Line\_3\_Full\_Replacement\Permitting\Federal\COE\2019\_11\Figures\L3\_MIN\_COE\_Alignment\_Sheets\_RevA.mxd Date: (1/23/2019)

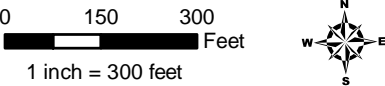




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Environmental Field Data

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



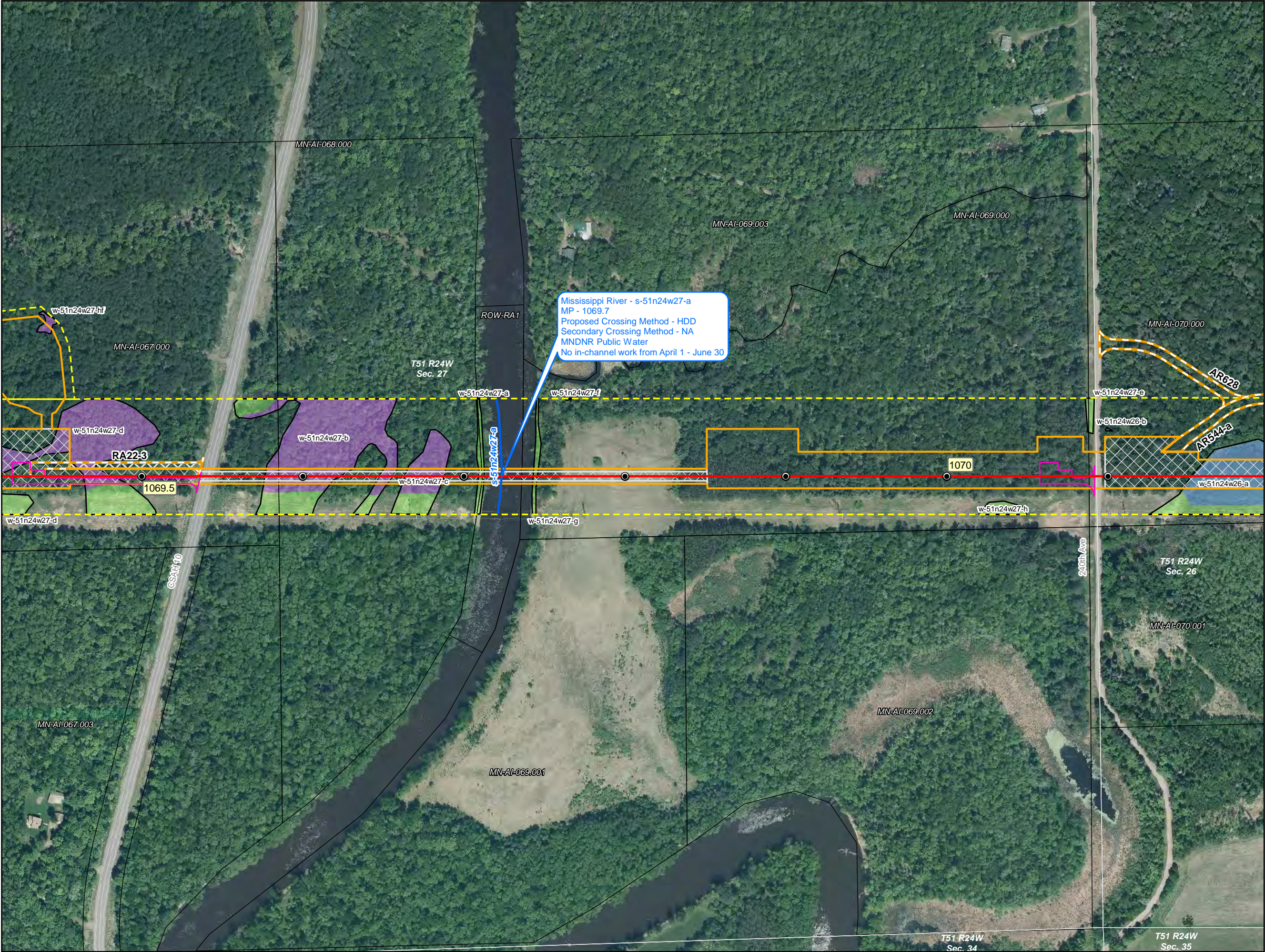
Detailed Route Maps

Line 3 Replacement Project

Aitkin County, Minnesota







- Milepost
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**Environmental Field Data**

**Wetlands**

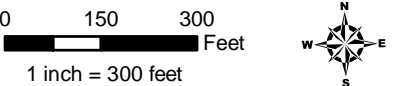
Field Delineated Wetland	NWI Wetlands
PEM	PEM
PFO	PFO
PSS	PSS
PUB	PUB

**Waterbodies**

- Field Delineated Waterbody
- NHD Waterbody

**NWI Waterbodies**

- Lake/Pond
- Riverine



**Detailed Route Maps**

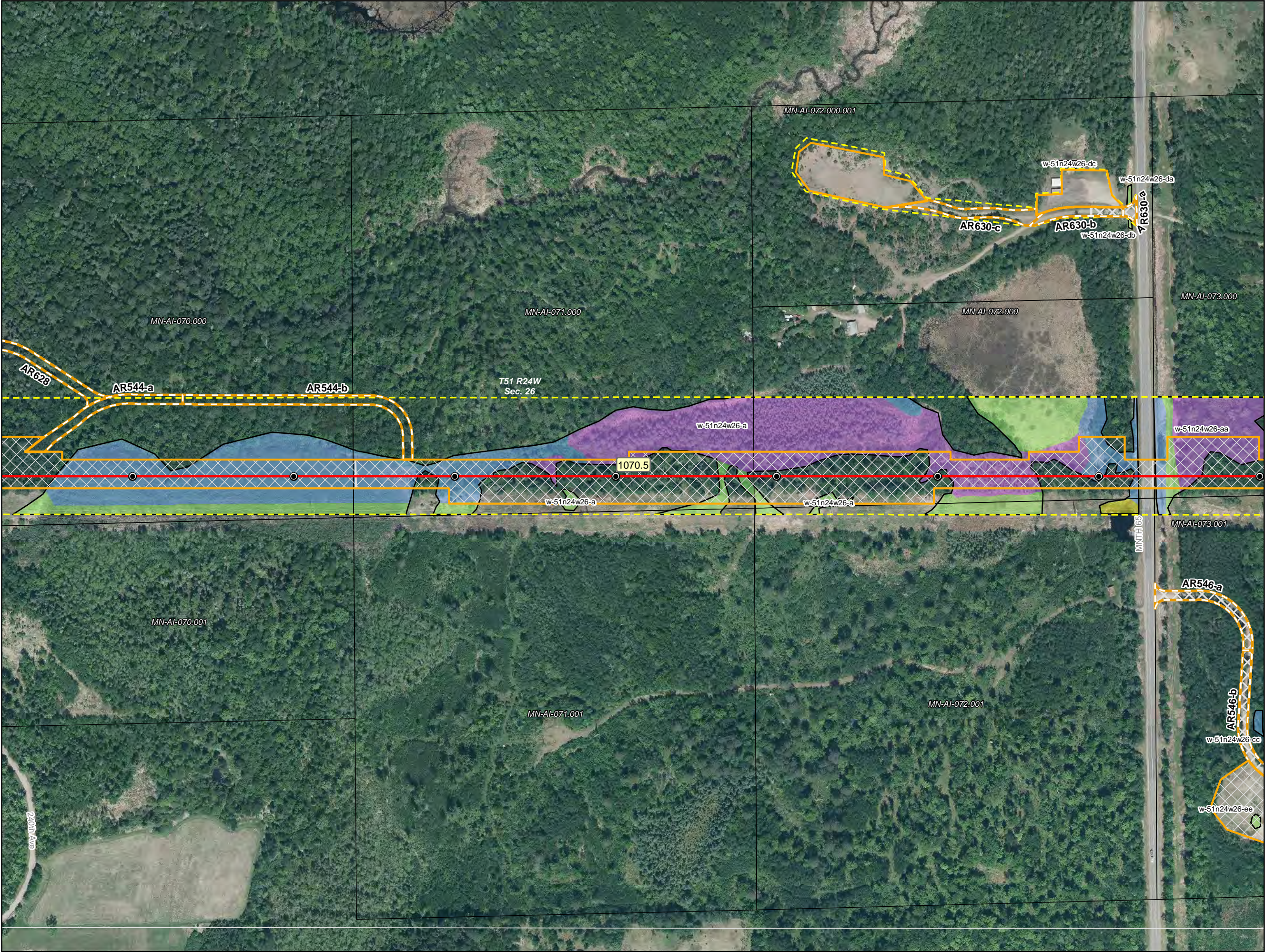
**Line 3 Replacement Project**

Aitkin 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





- Milepost
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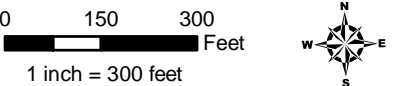
**Environmental Field Data**

**Wetlands**

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

**Waterbodies**

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



## Detailed Route Maps

### Line 3 Replacement Project

Aitkin County, Minnesota

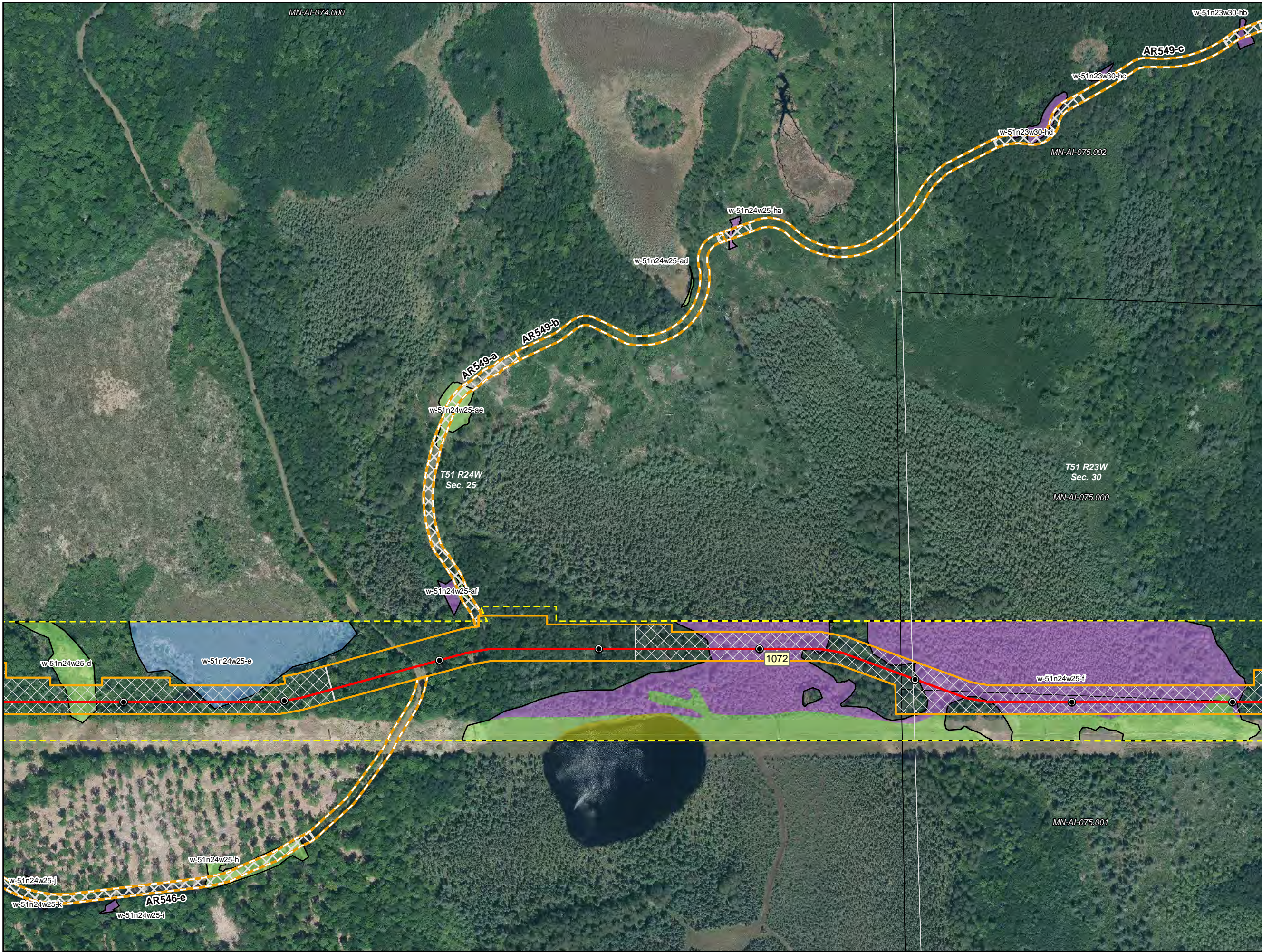


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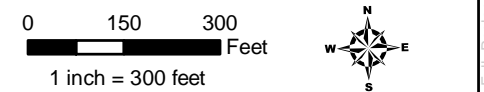






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- | Field Delineated Wetland | NWI Wetlands |
|--------------------------|--------------|
| PEM                      | PEM          |
| PFO                      | PFO          |
| PSS                      | PSS          |
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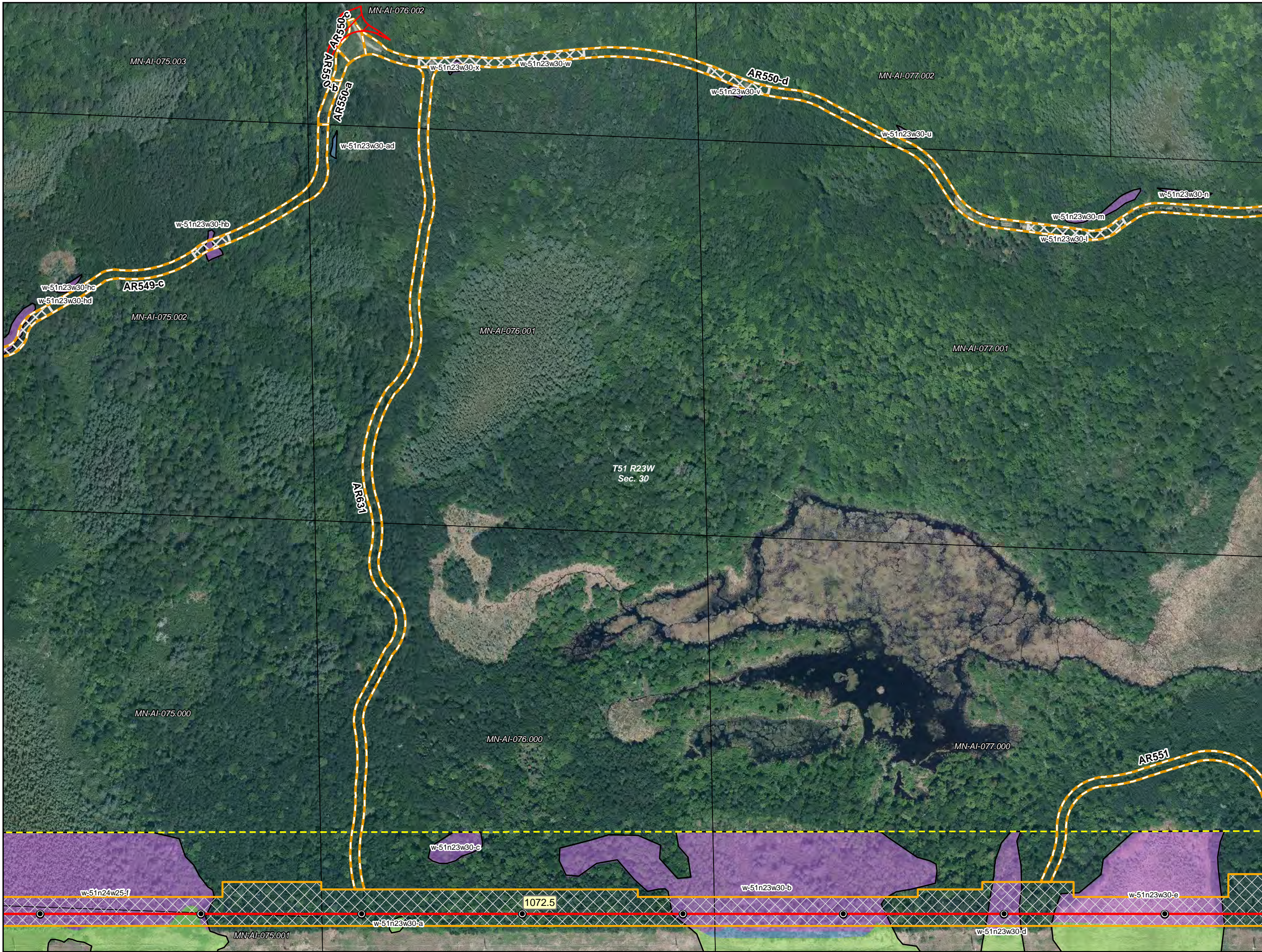
## Detailed Route Maps

### Line 3 Replacement Project

Aitkin County, Minnesota

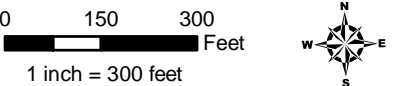






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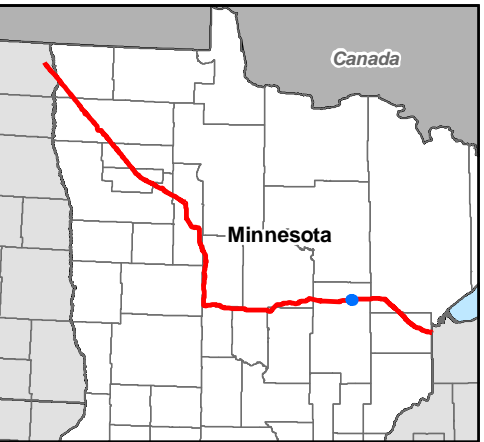
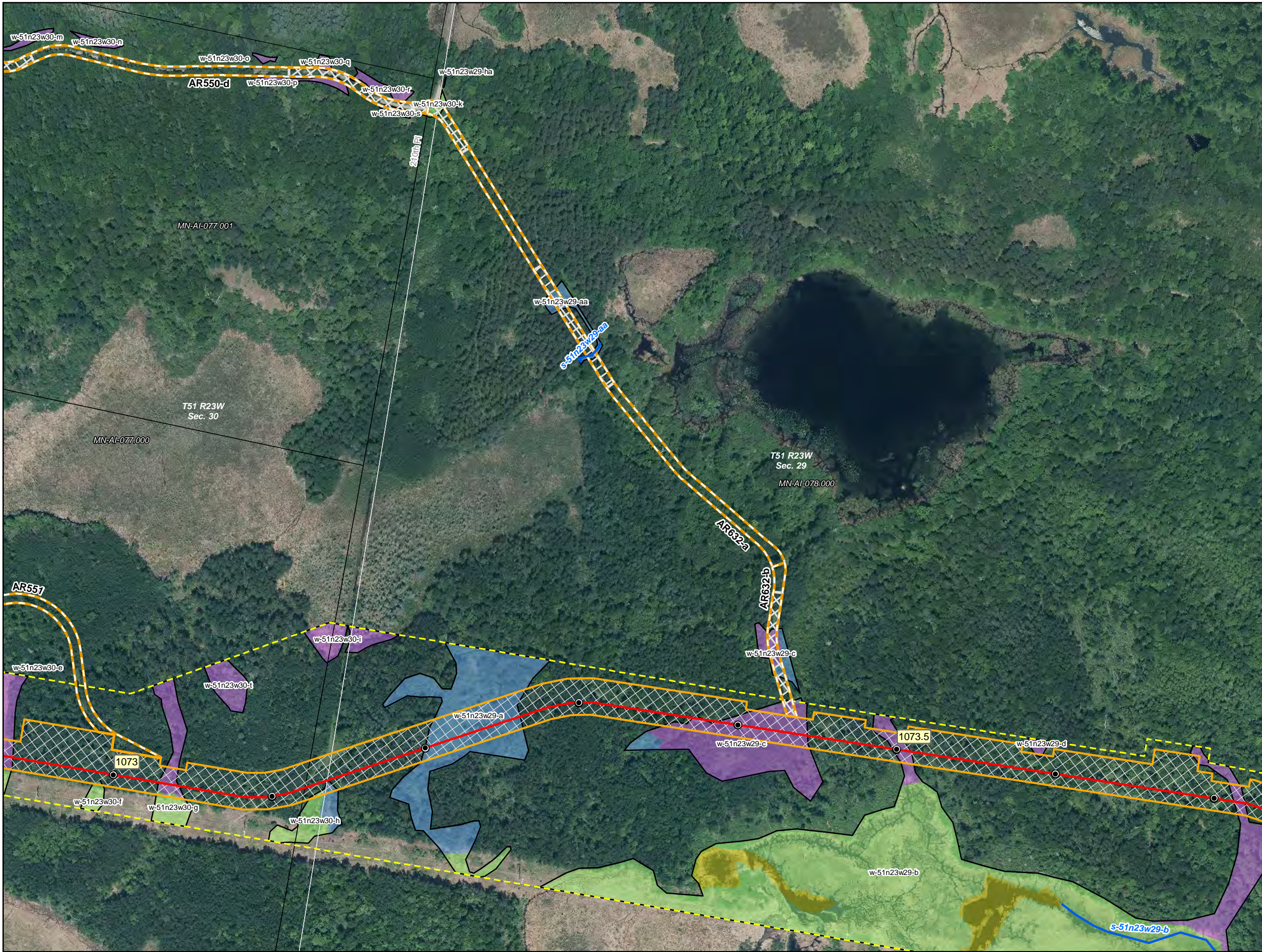
## Detailed Route Maps

### Line 3 Replacement Project

Aitkin County, Minnesota







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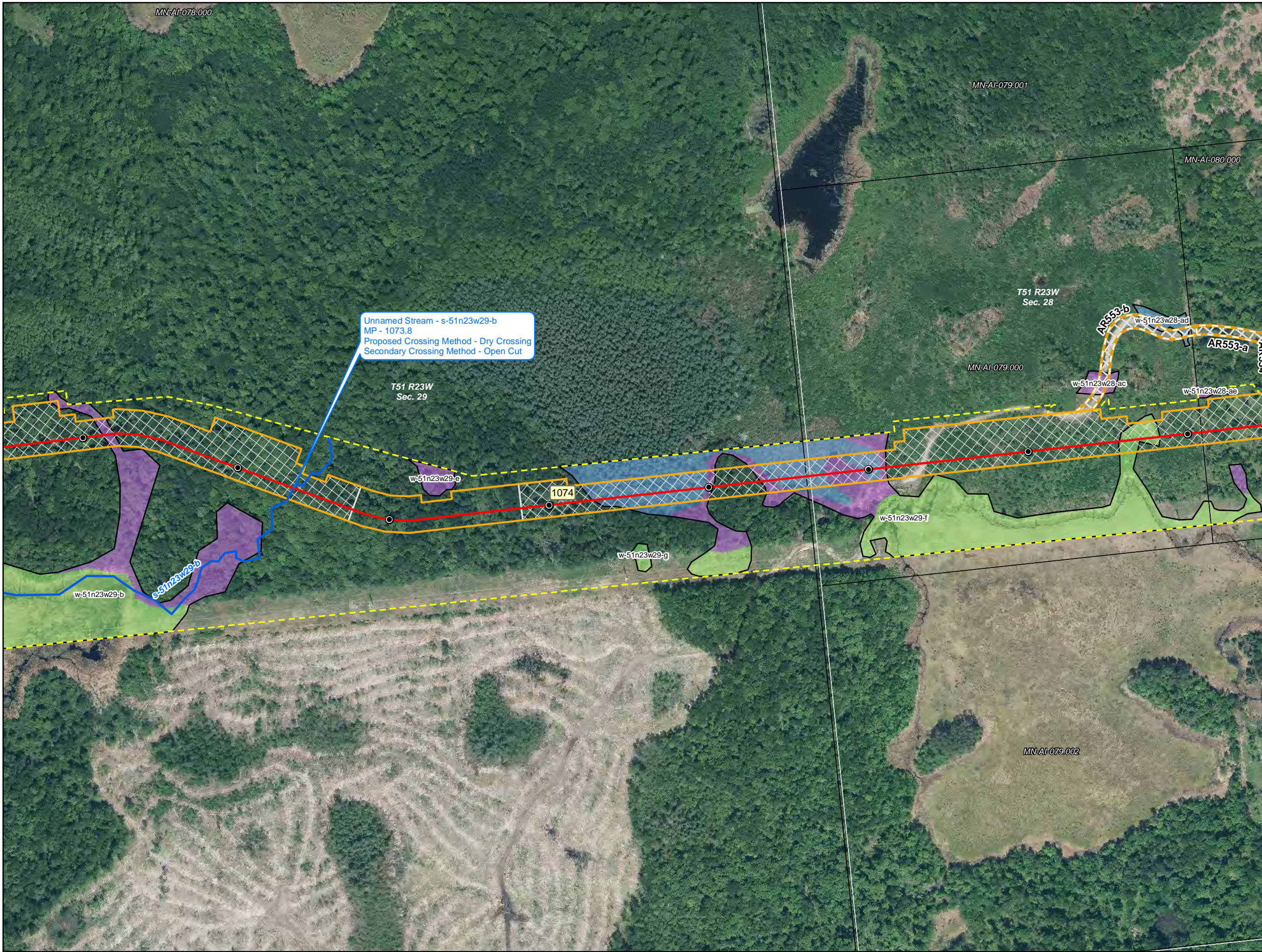
## Detailed Route Maps

### Line 3 Replacement Project

Aitkin County, Minnesota







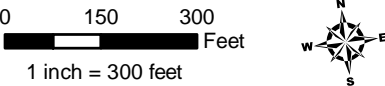
Unnamed Stream - s-51n23w29-b  
MP - 1073.8  
Proposed Crossing Method - Dry Crossing  
Secondary Crossing Method - Open Cut



- Milepost
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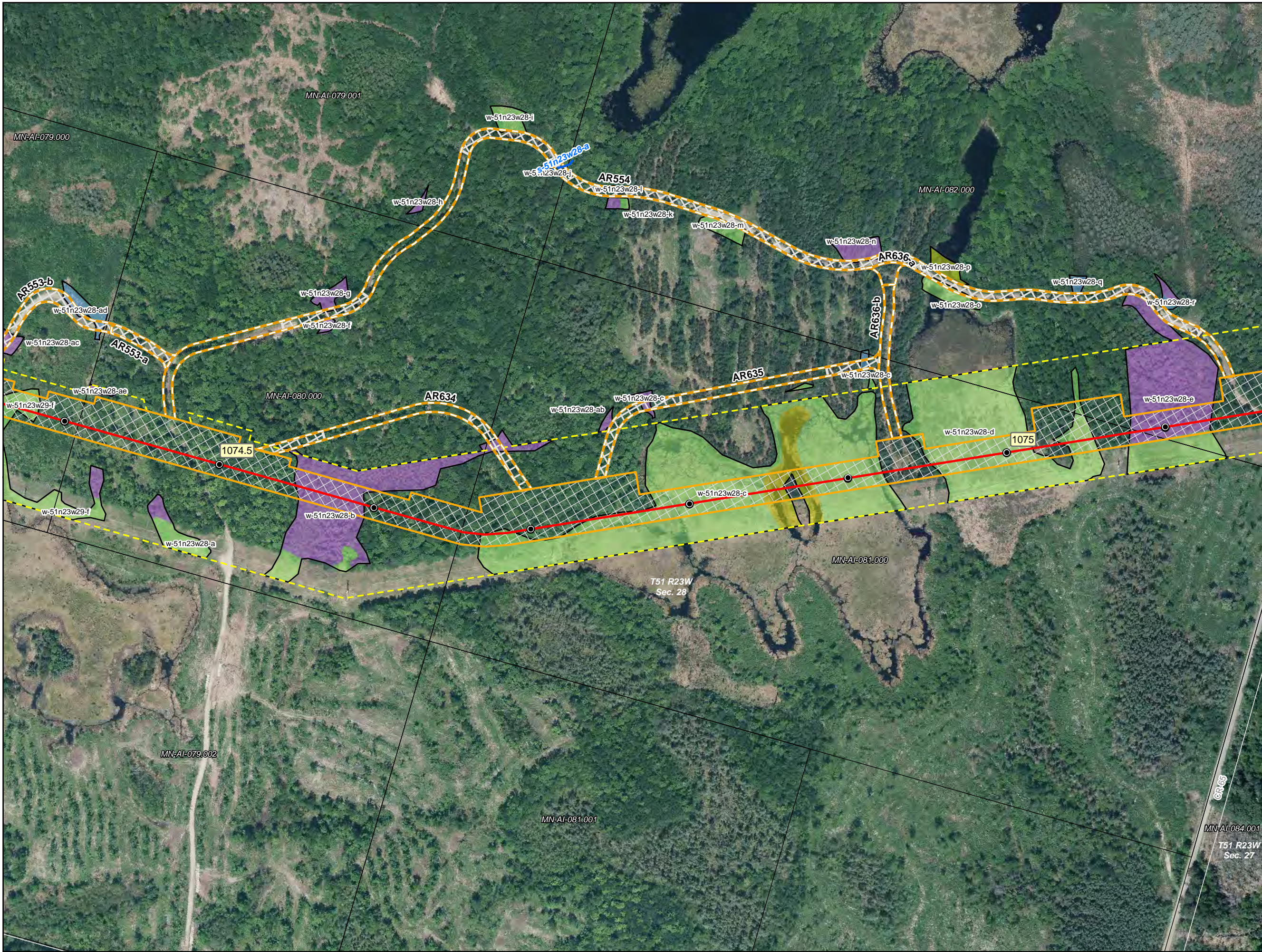


**Detailed Route Maps**  
**Line 3 Replacement Project**  
Aitkin County, Minnesota



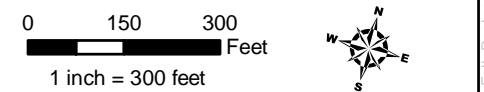
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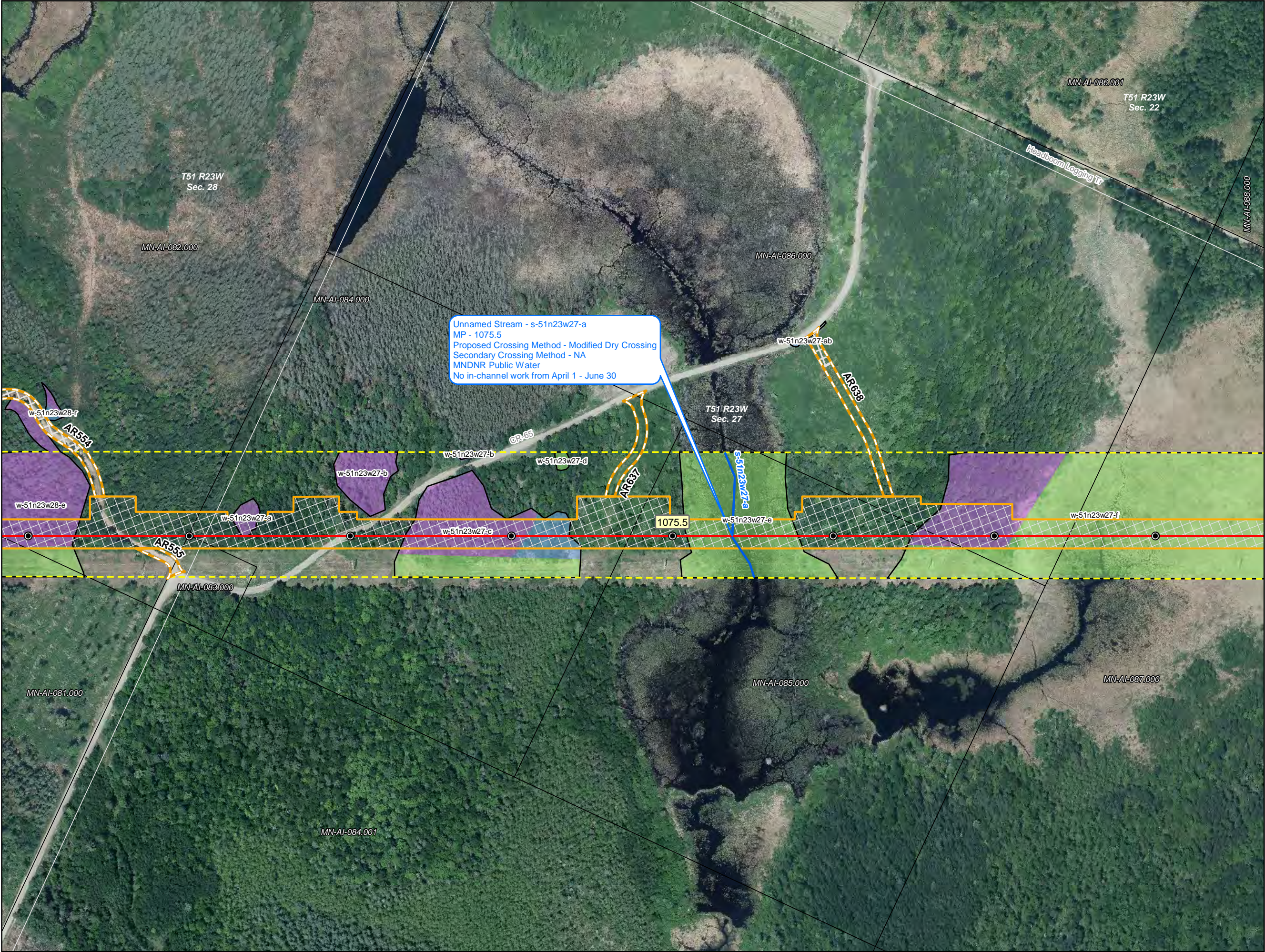
## Detailed Route Maps

### Line 3 Replacement Project

Aitkin County, Minnesota







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**Wetlands**

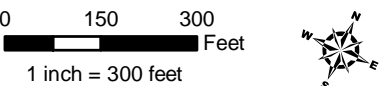
Field Delineated Wetland	NWI Wetlands
PEM	PEM
PFO	PFO
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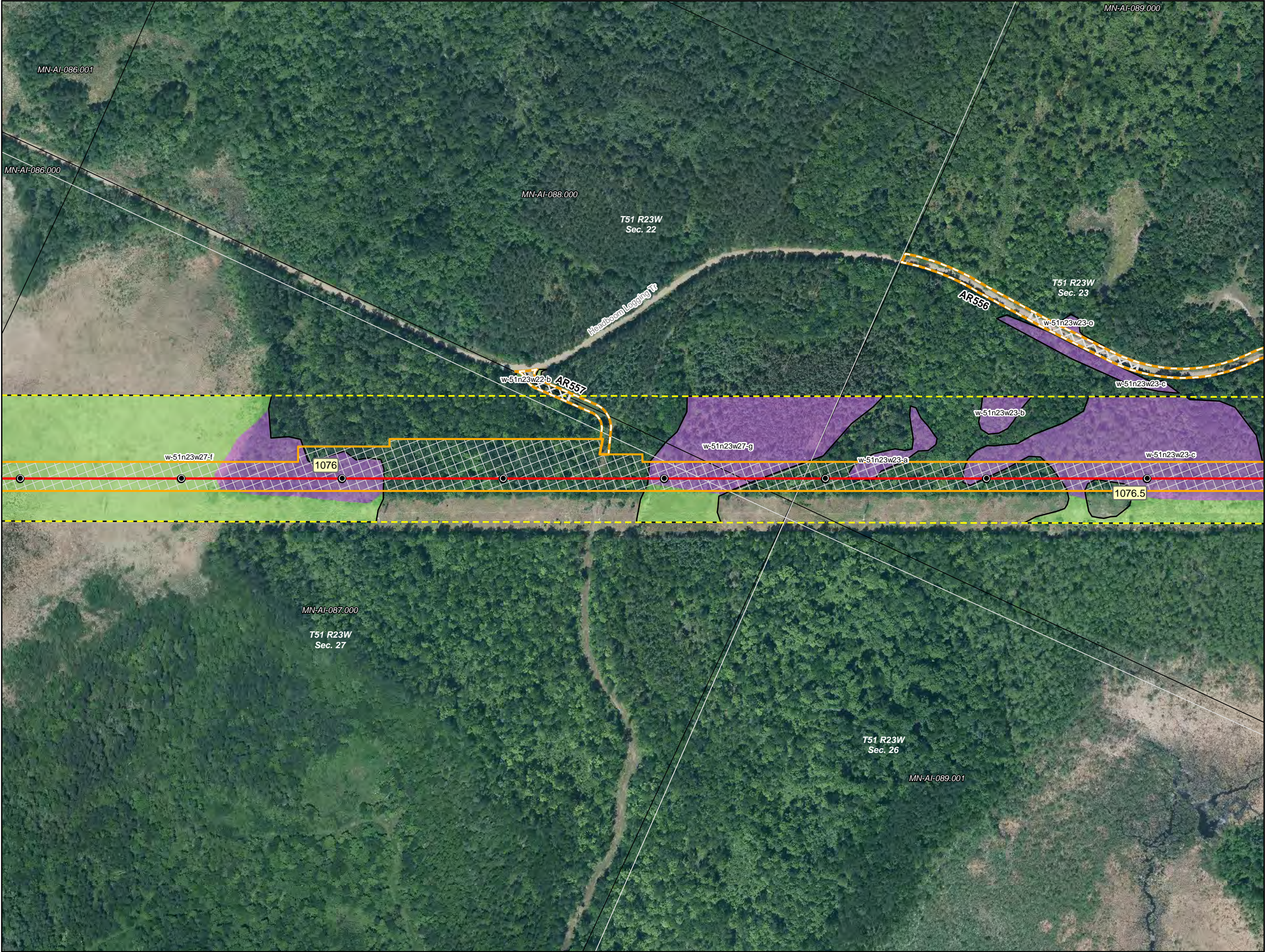
**Detailed Route Maps**

**Line 3 Replacement Project**

Aitkin County, Minnesota



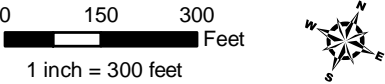




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- Valve Location
- Pump Station

**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**

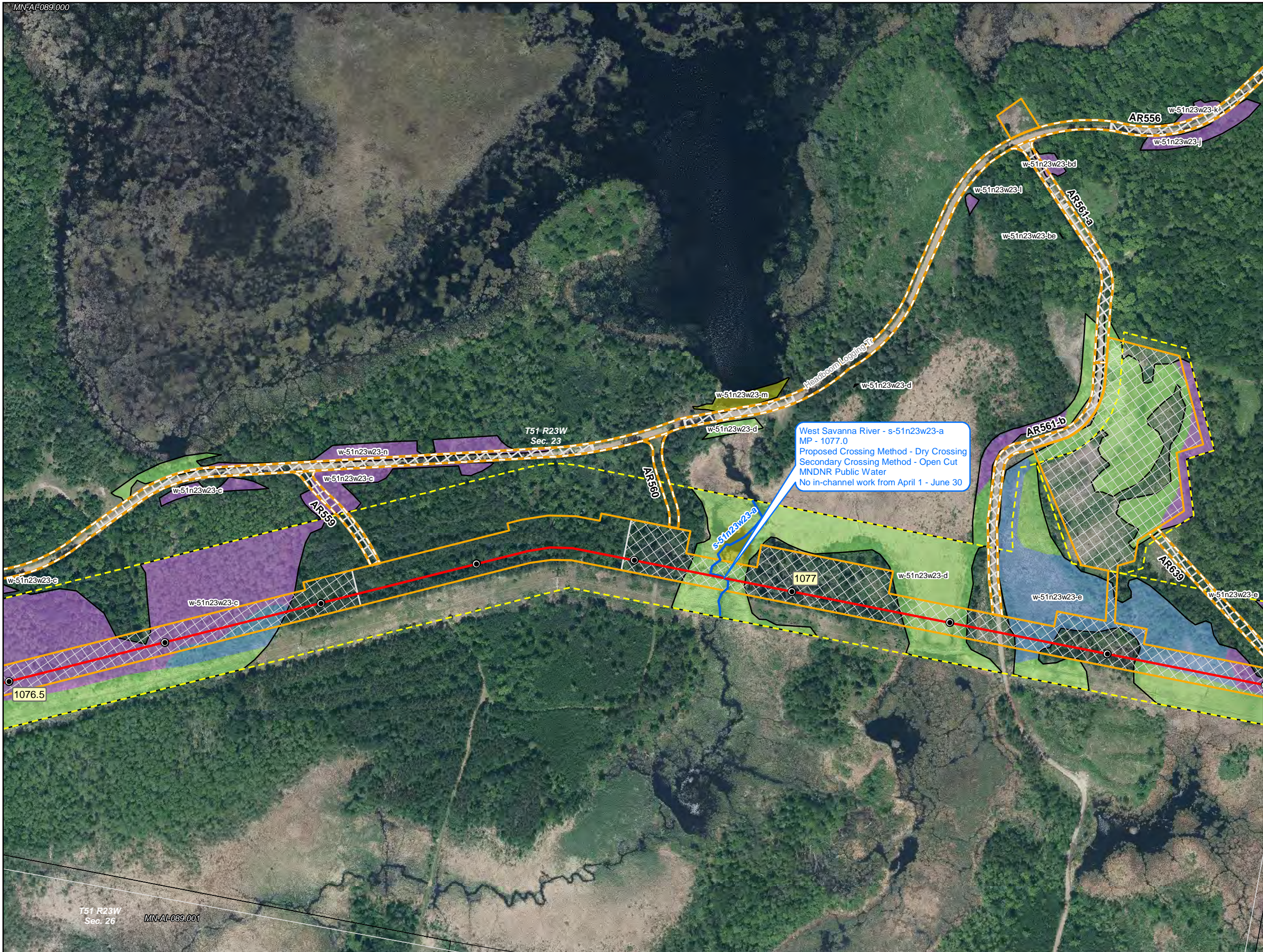
**Line 3 Replacement Project**

Aitkin County, Minnesota



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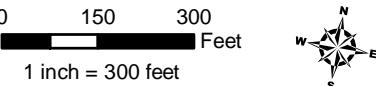




- Milepost
- Line 3 Centerline
- Construction Workspace
- Access Road
- Haul Road/Corner Improvement
- COE Permit Area
- Survey Corridor
- Field Survey Partially or Not Complete
- Parcel Boundary
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- |                          |              |
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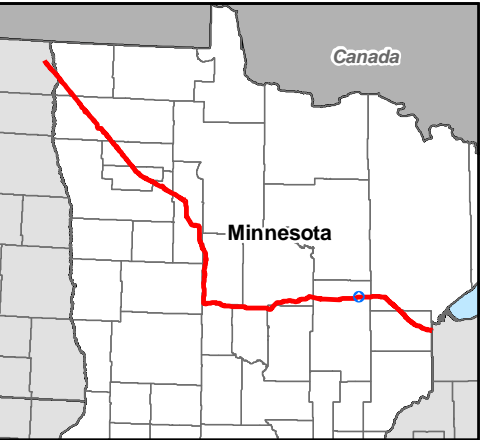
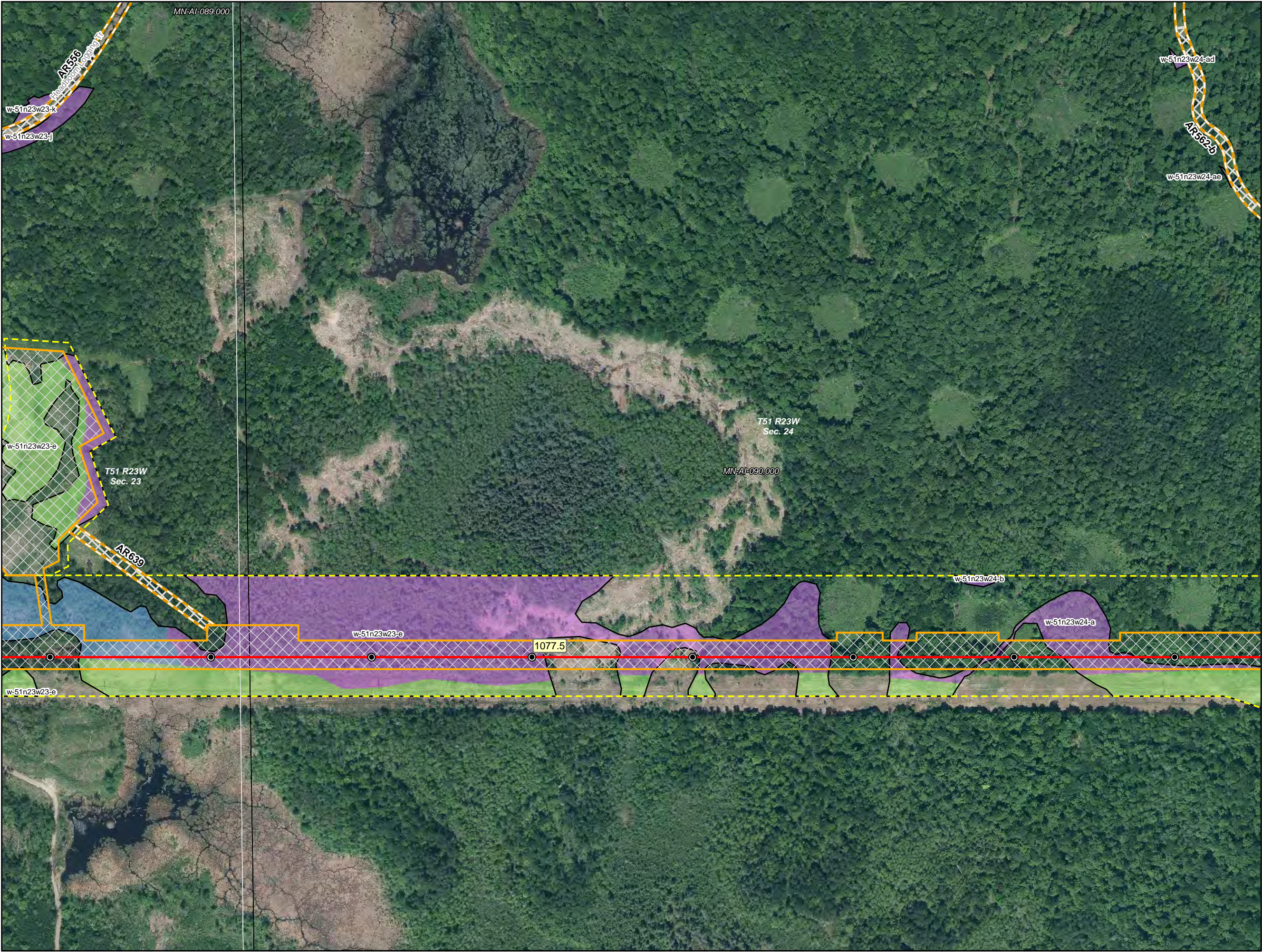


**Detailed Route Maps**  
**Line 3 Replacement Project**

Aitkin County, Minnesota





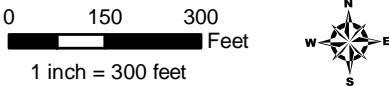


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Environmental Field Data

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

Aitkin County, Minnesota







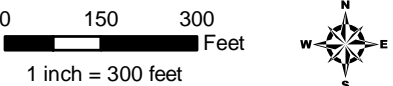
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Wetlands	
Field Delineated Wetland	NWI Wetlands
PEM	PEM
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**Waterbodies**

Field Delineated Waterbody	
NHD Waterbody	
NWI Waterbodies	
Lake/Pond	
Riverine	



**Detailed Route Maps**

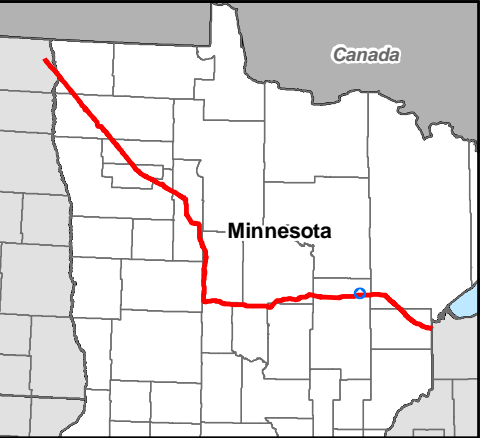
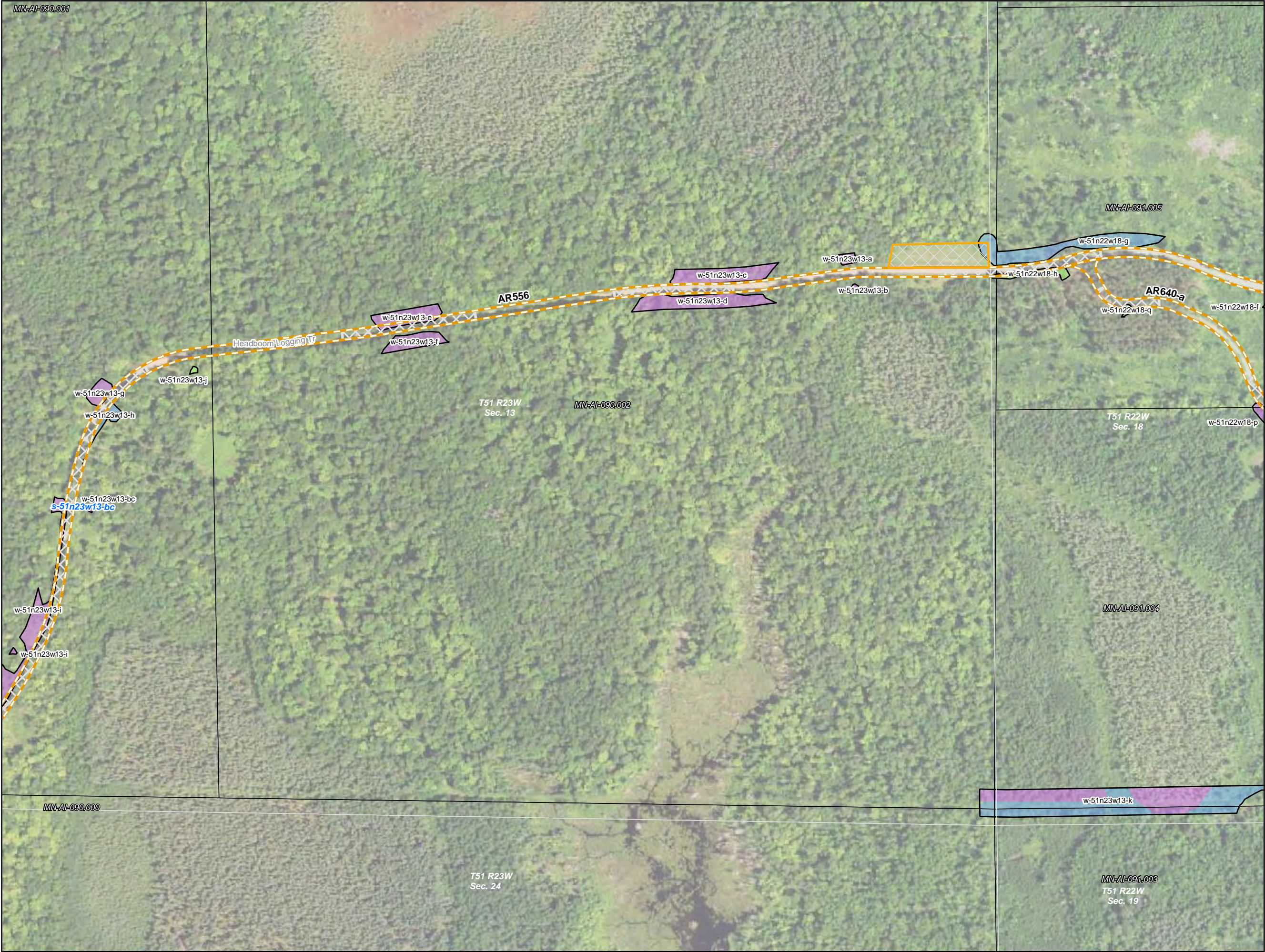
**Line 3 Replacement Project**

Aitkin County, Minnesota



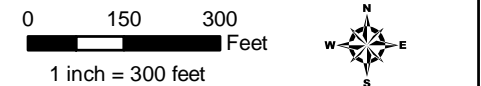
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- Wetlands**
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- Waterbodies**
- | Field Delineated Waterbody | NWI Waterbodies |
|----------------------------|-----------------|
| Field Delineated Waterbody | Lake/Pond       |
| NHD Waterbody 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

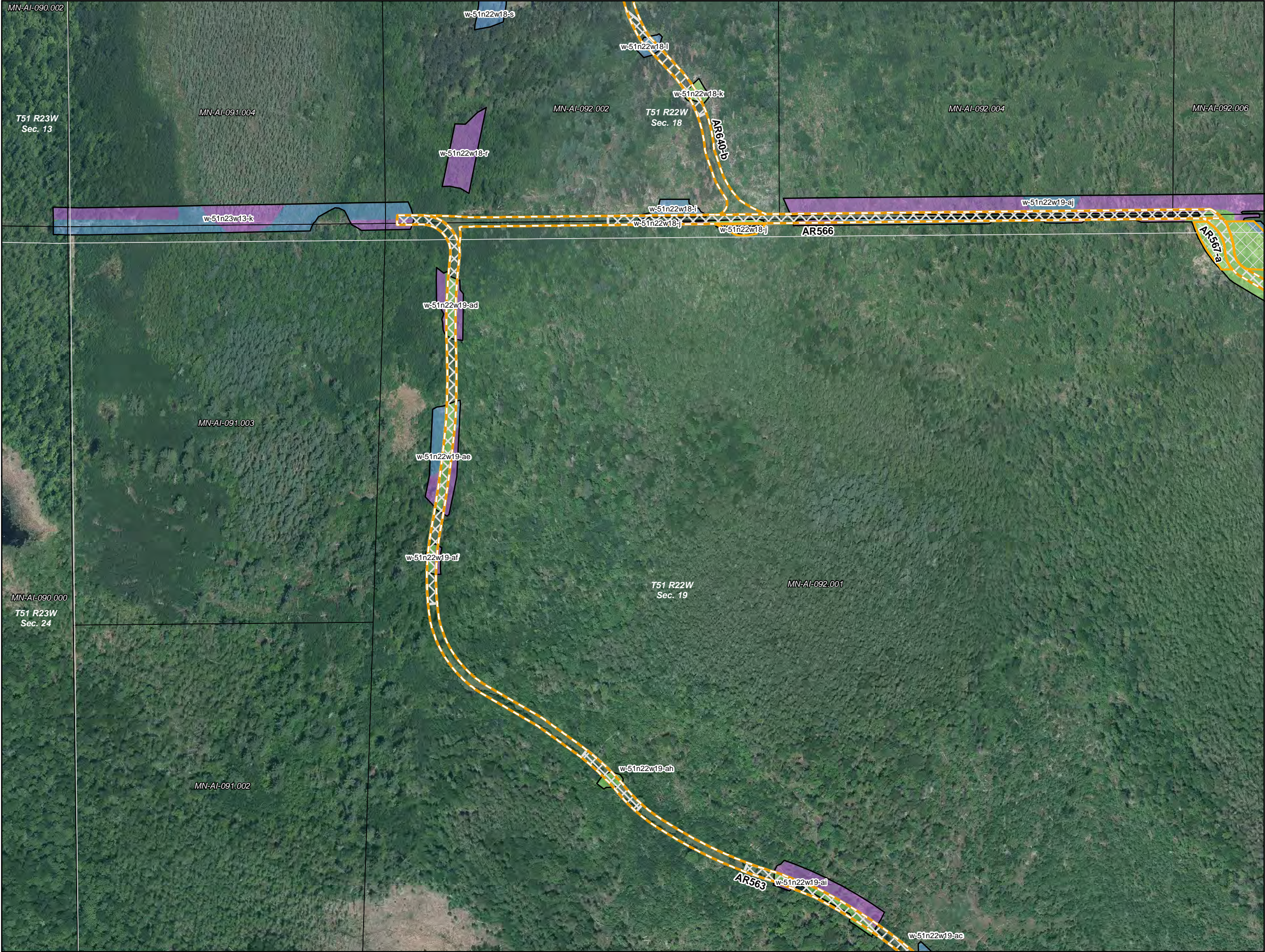


## Detailed Route Maps

### Line 3 Replacement Project

Aitkin County, Minnesota

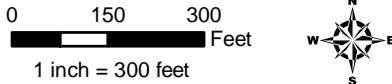




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**Environmental Field Data**

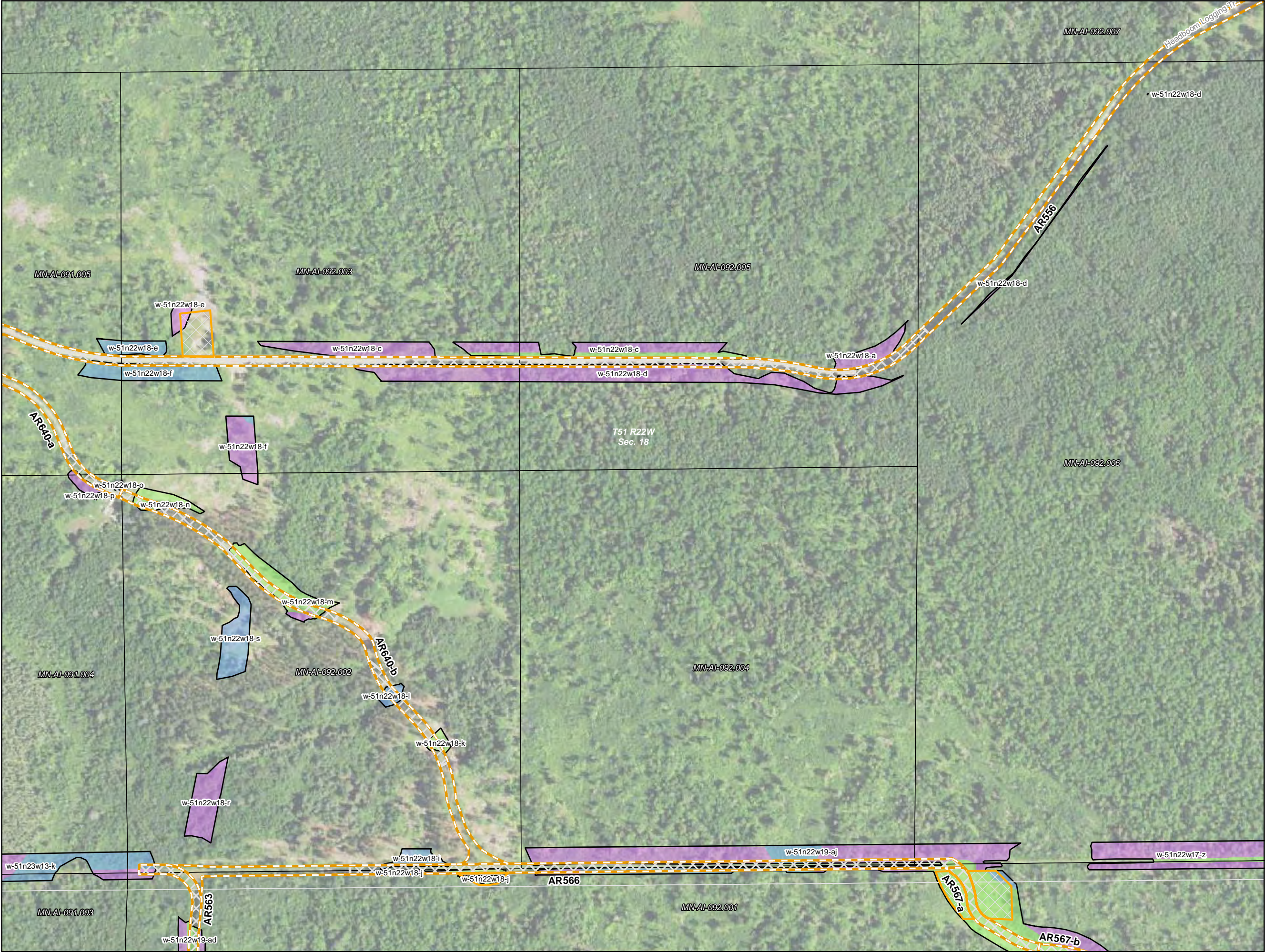
- Wetlands**
- | Field Delineated Wetland | NWI Wetlands |
|--------------------------|--------------|
| PEM                      | PEM          |
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**Detailed Route Maps**  
**Line 3 Replacement Project**  
**Aitkin County, Minnesota**



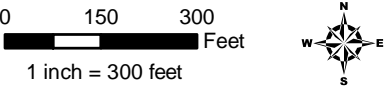




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**Detailed Route Maps**  
**Line 3 Replacement Project**  
**Aitkin County, Minnesota**



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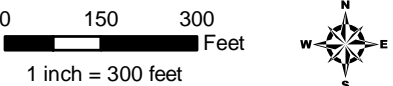
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Field Delineated Wetland	NWI Wetlands
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PSS	PSS
PUB	PUB

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**Detailed Route Maps**

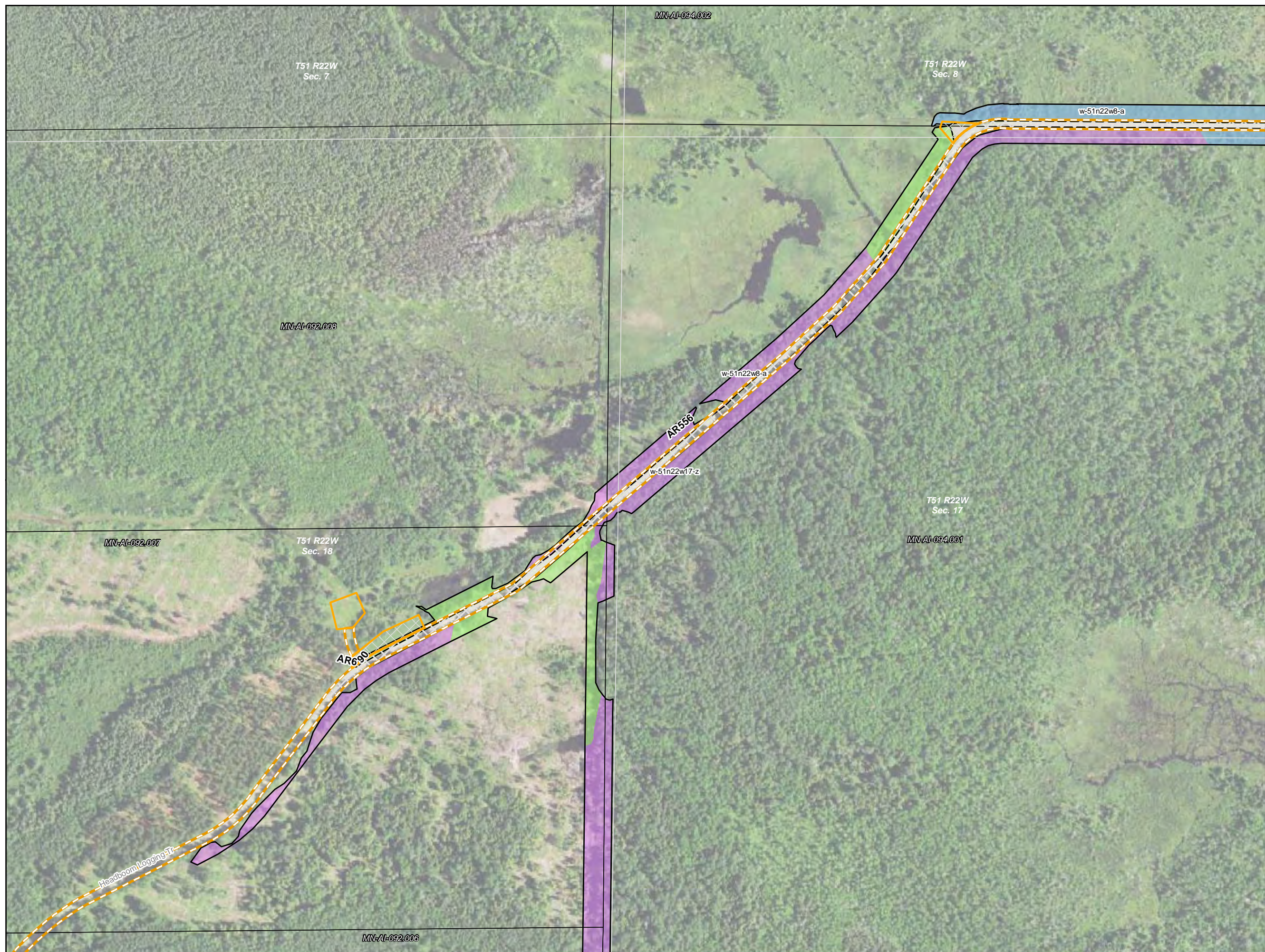
**Line 3 Replacement Project**















Aitkin County, Minnesota



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## Environmental Field Data

## Wetlands

Field Delineated Wetland

NWI Wetlands

PEM

 PEM

 PFO




PEO

 PSS

 PPS  
 PSS

PUB

 FCS  
 PIIR

## Waterbodies

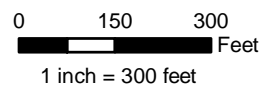
— Field Delineated Waterbody

- ■ ■ NHD Waterbody

NWI Waterbodies

 Lake/Pond Riverine

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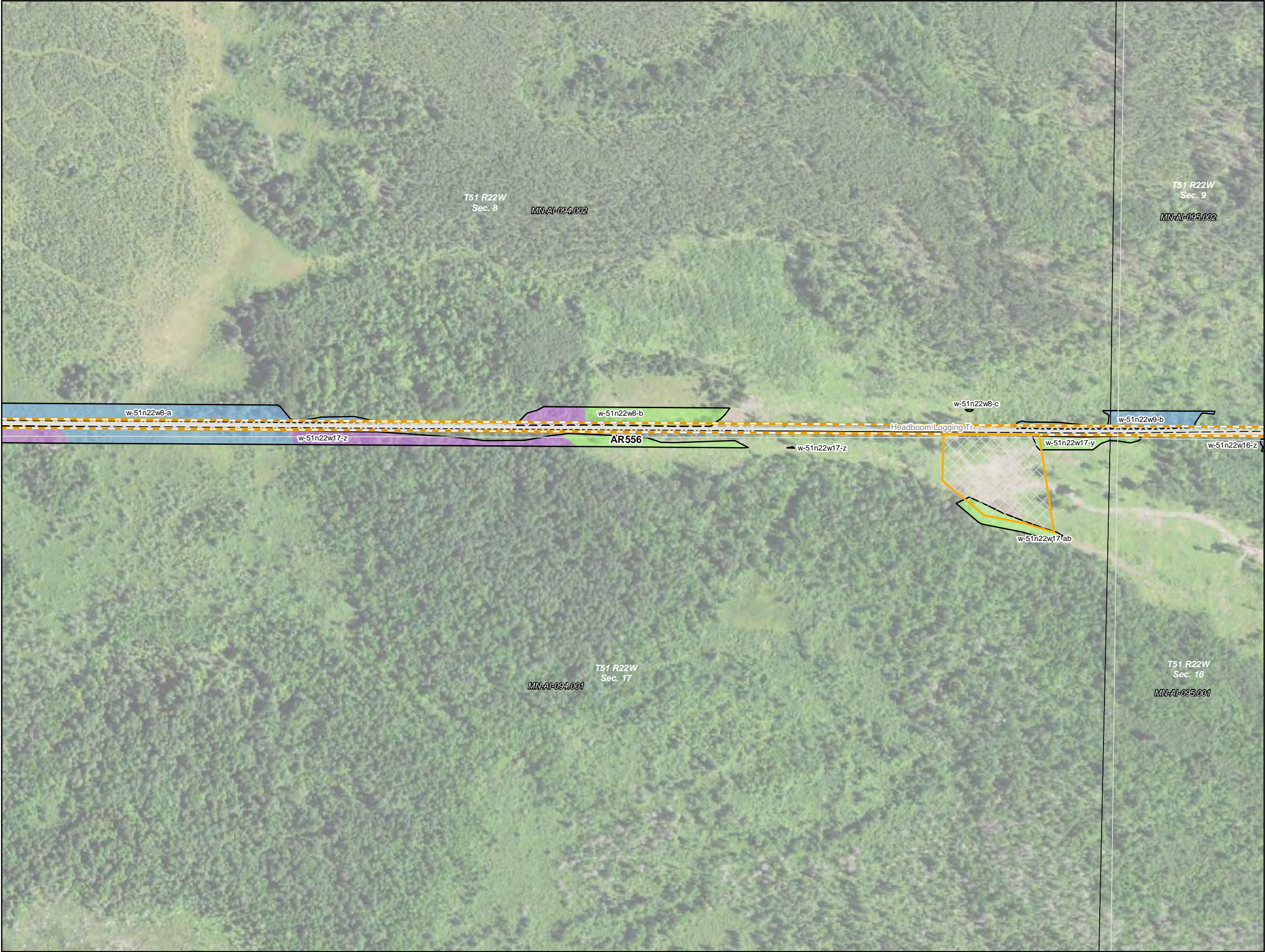
## Detailed Route Maps

## Line 3 Replacement Project

## Aitkin County, Minnesota

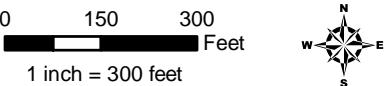






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**Detailed Route Maps**

**Line 3 Replacement Project**

Aitkin County, Minnesota

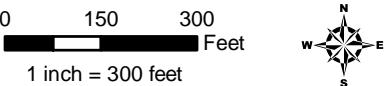






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**Detailed Route Maps**

**Line 3 Replacement Project**

Aitkin County, Minnesota



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