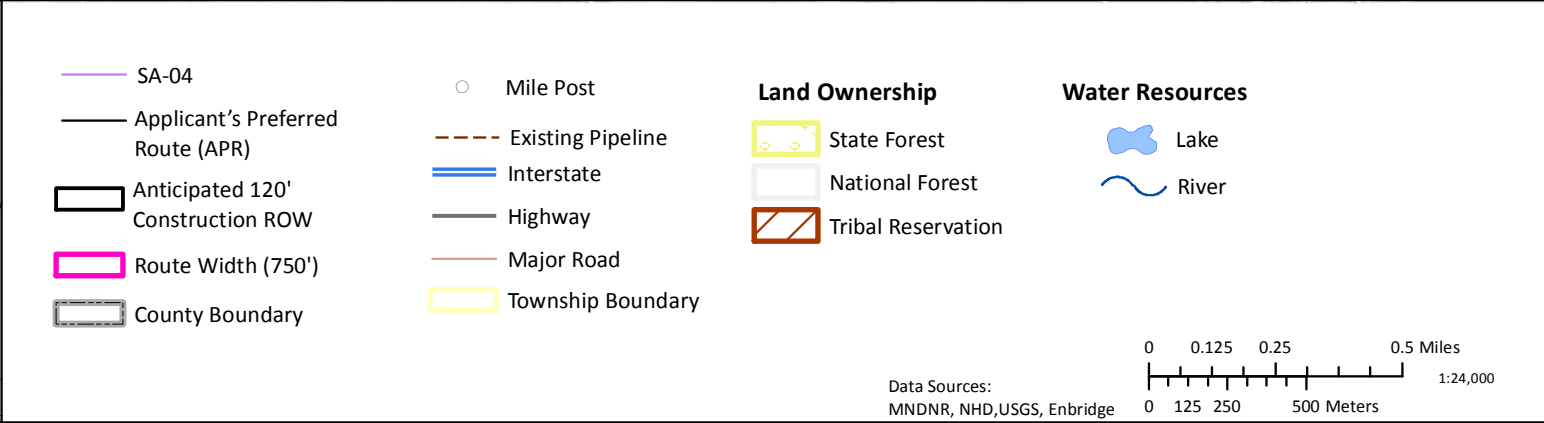
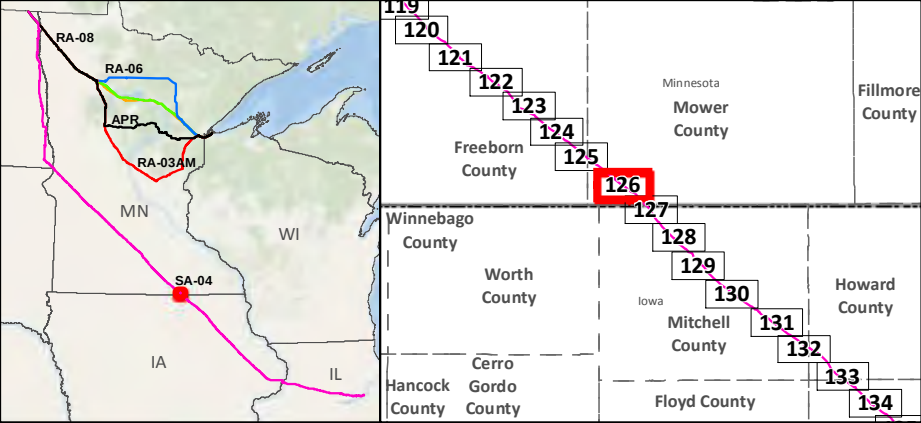
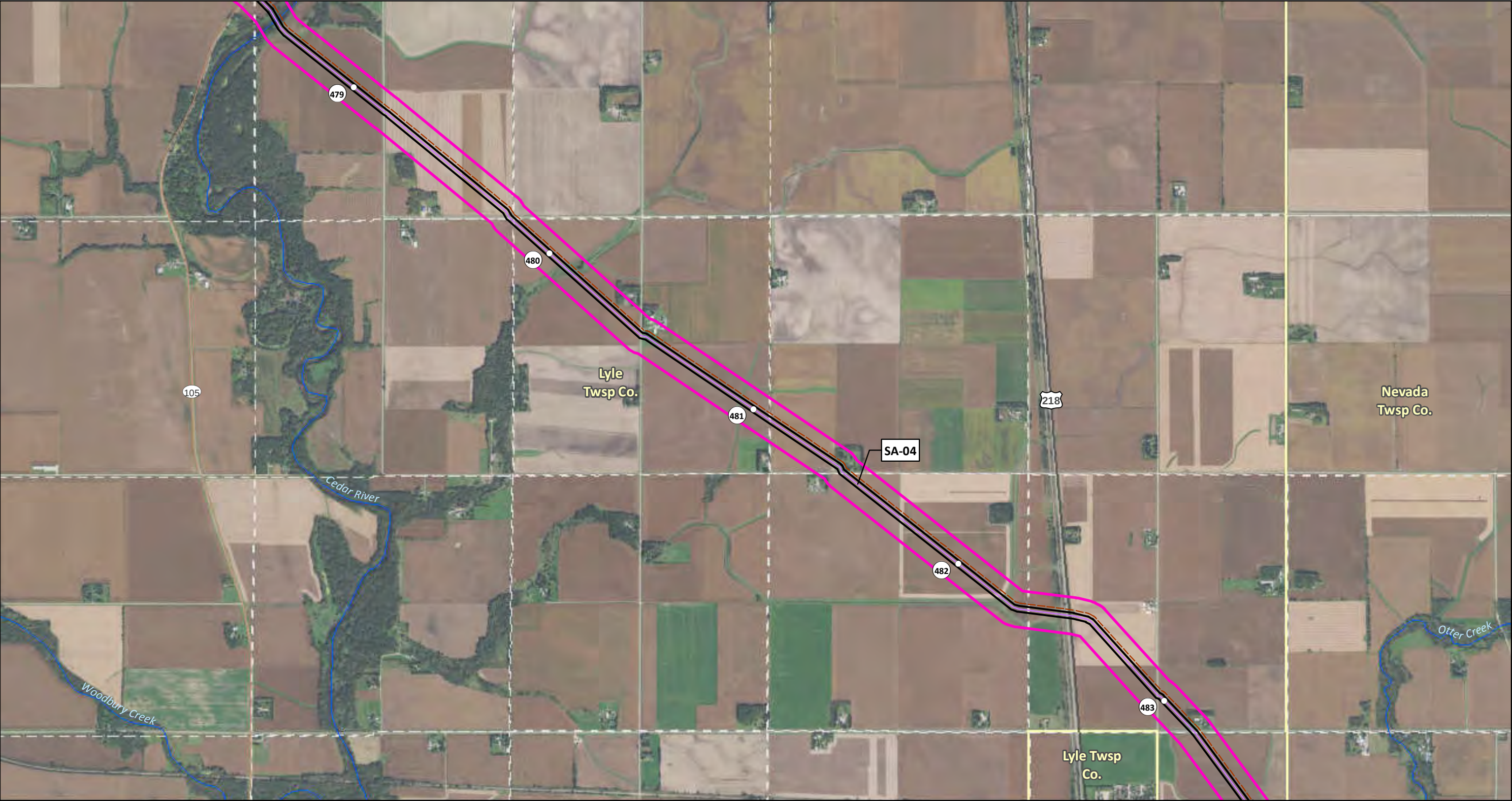
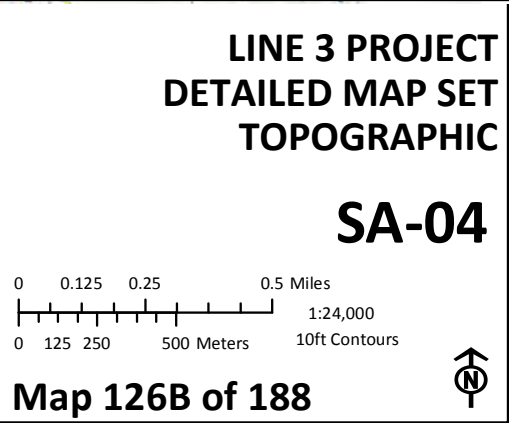
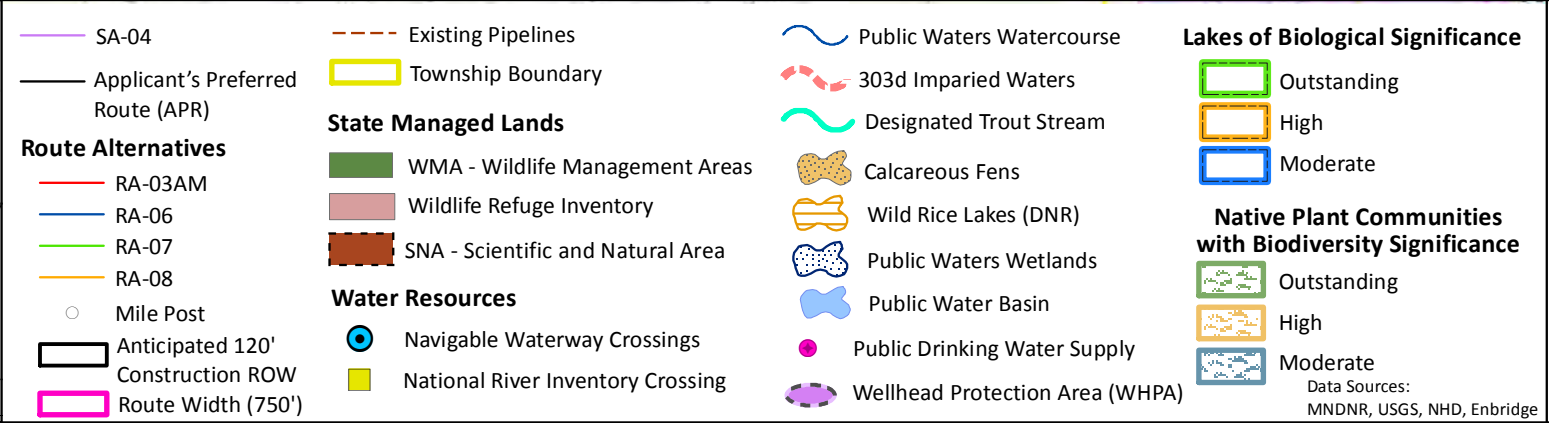
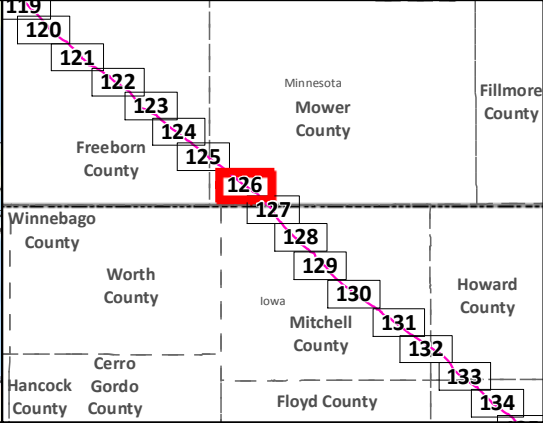
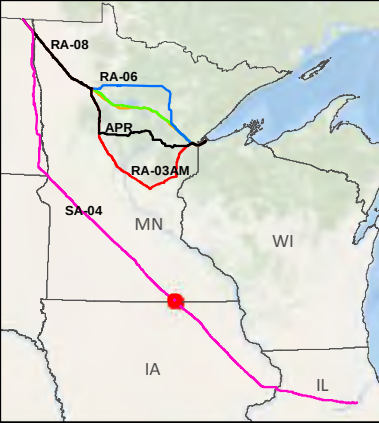
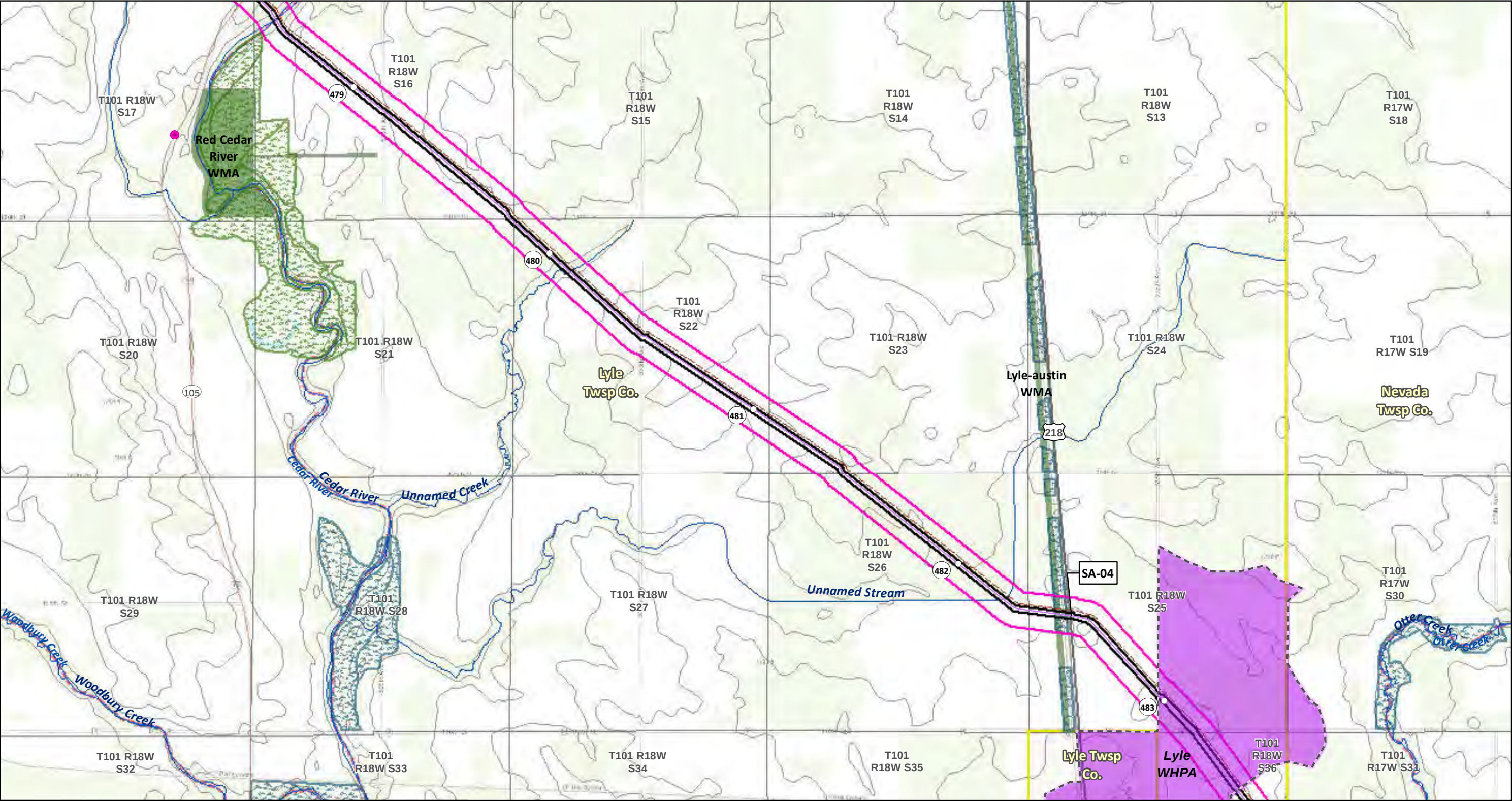


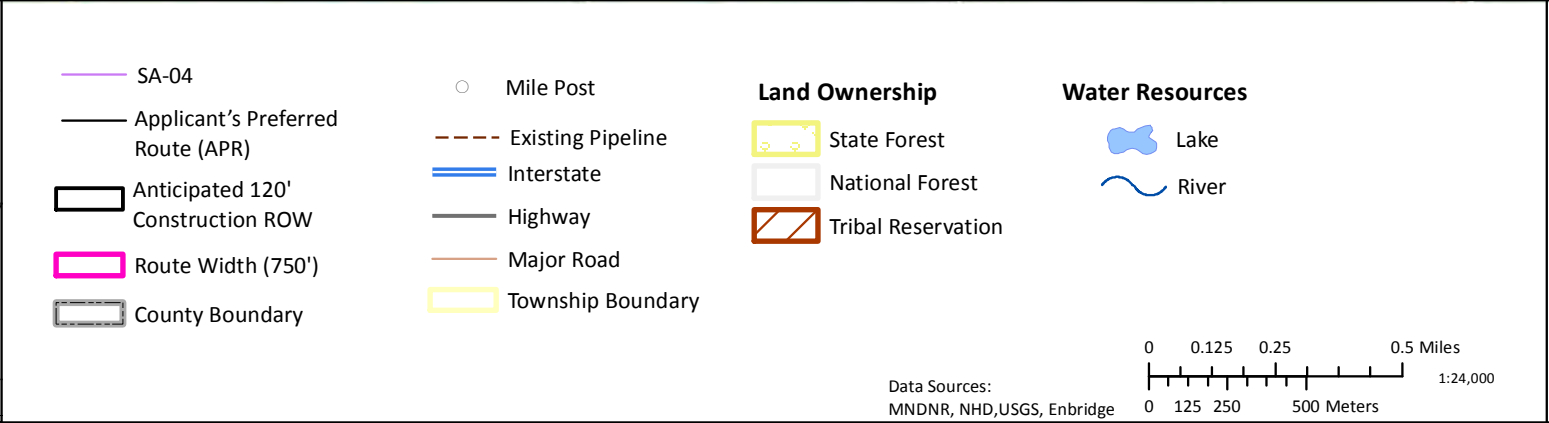
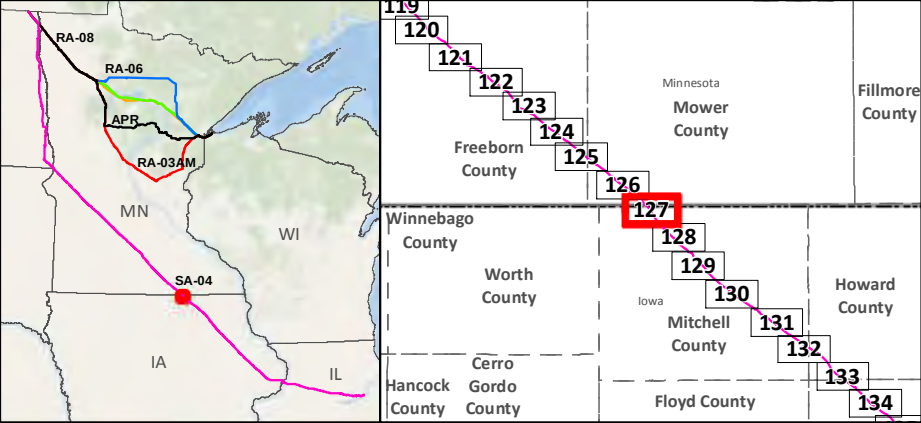


**LINE 3 PROJECT
DETAILED MAP SET
AERIAL**

SA-04

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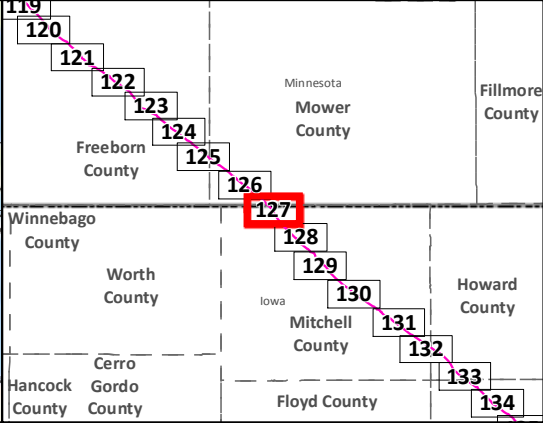
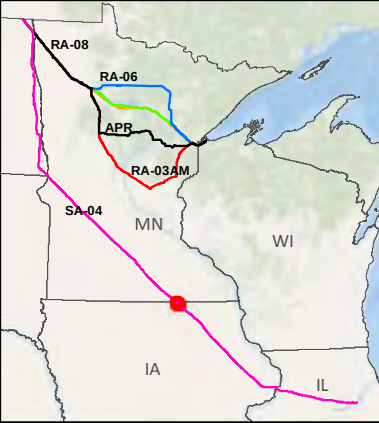
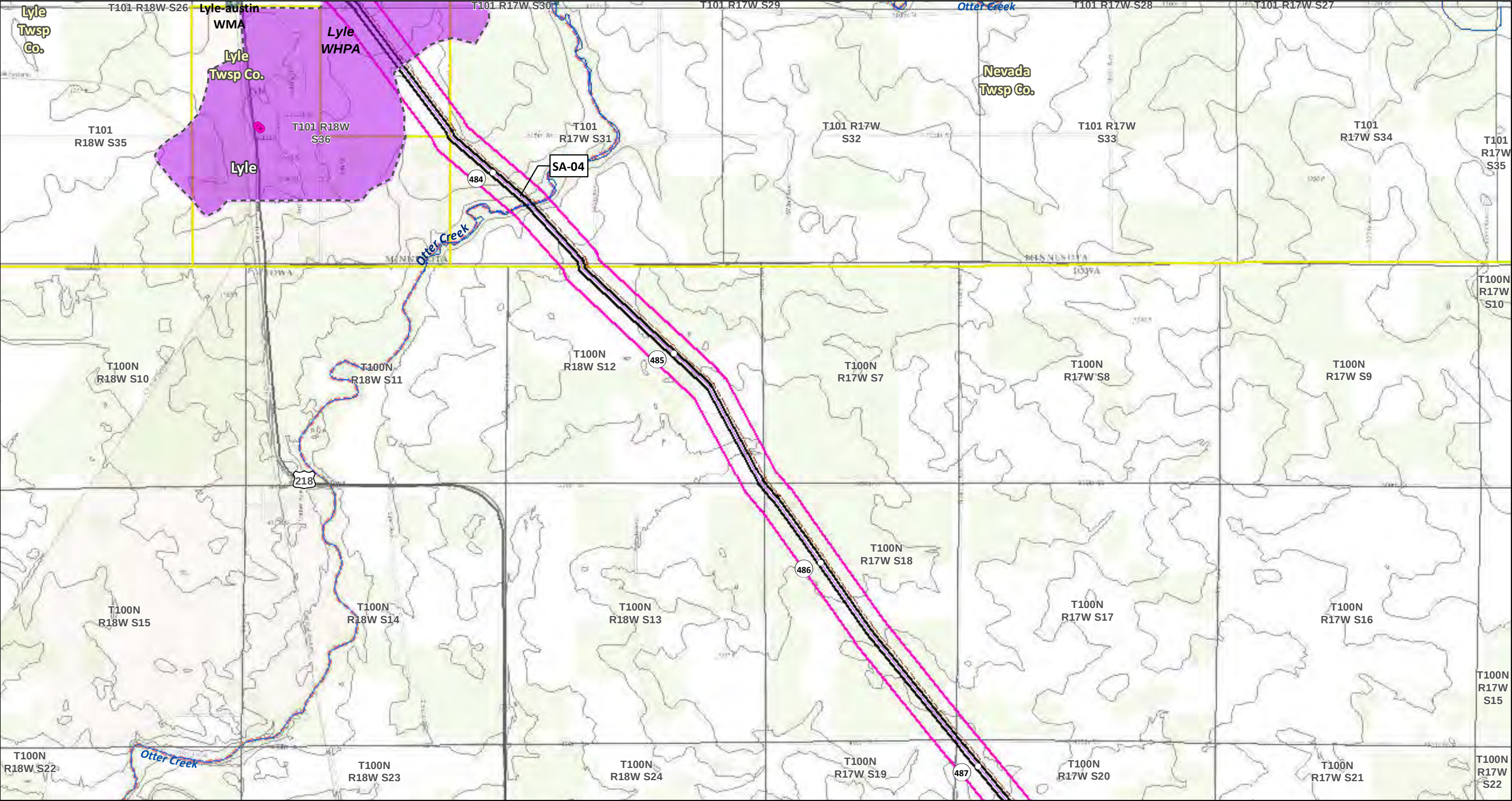




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DETAILED MAP SET
AERIAL**

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SA-04

Applicant's Preferred Route (APR)

RA-03AM

RA-06

RA-07

RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

Existing Pipelines

Township Boundary

State Managed Lands

WMA - Wildlife Management Areas

Wildlife Refuge Inventory

SNA - Scientific and Natural Area

Water Resources

Navigable Waterway Crossings

National River Inventory Crossing

Public Waters Watercourse

303d Impaired Waters

Designated Trout Stream

Calcareous Fens

Wild Rice Lakes (DNR)

Public Waters Wetlands

Public Water Basin

Public Drinking Water Supply

Wellhead Protection Area (WHPA)

Lakes of Biological Significance

Outstanding

High

Moderate

Native Plant Communities with Biodiversity Significance

Outstanding

High

Moderate

Data Sources:

MNDNR, USGS, NHD, Enbridge

LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC

SA-04

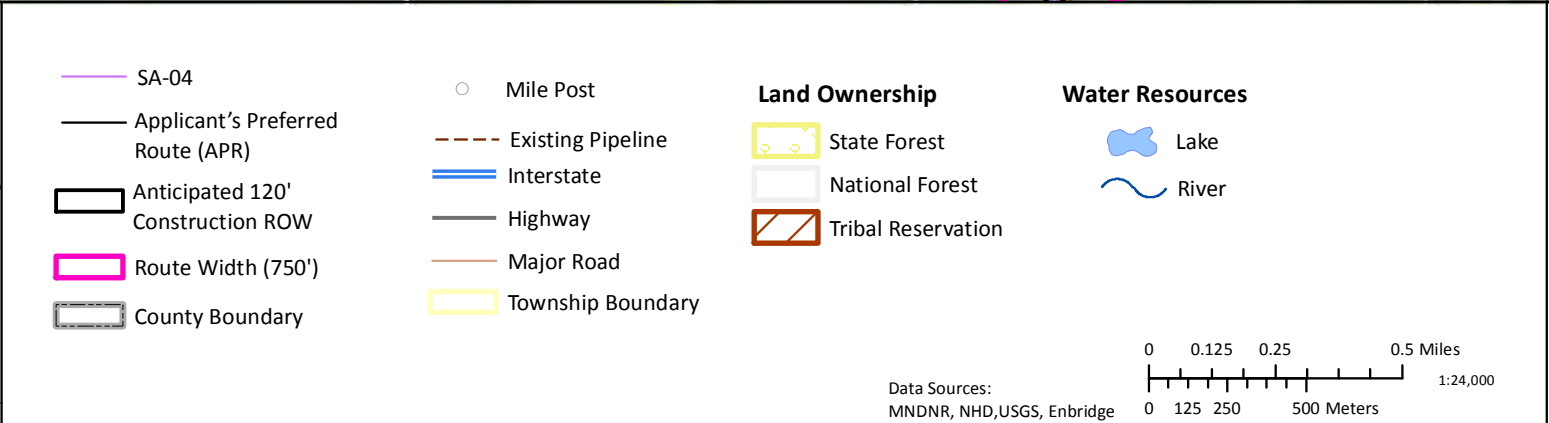
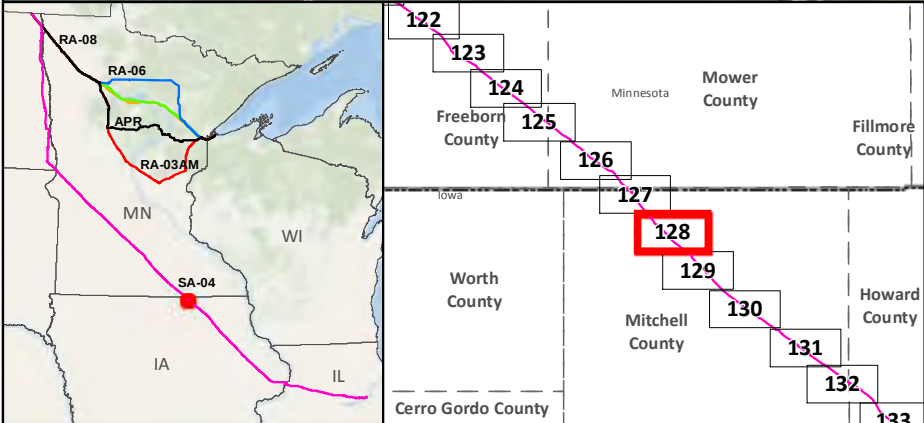
0 0.125 0.25 0.5 Miles

0 125 250 500 Meters

1:24,000

10ft Contours

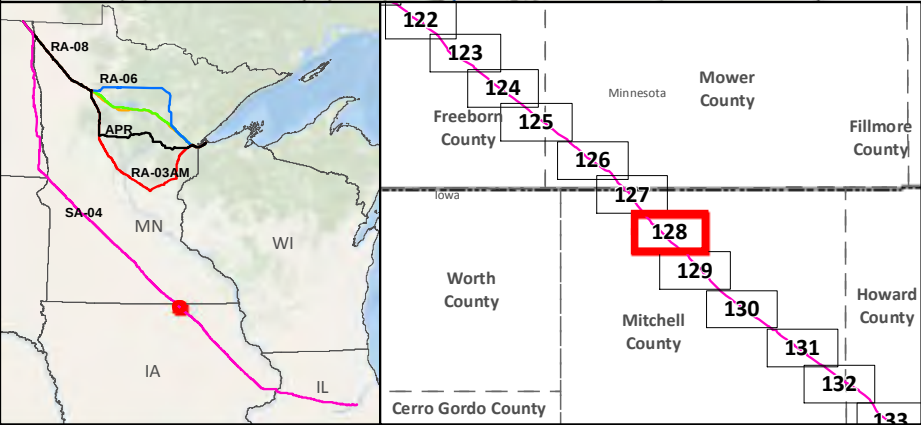
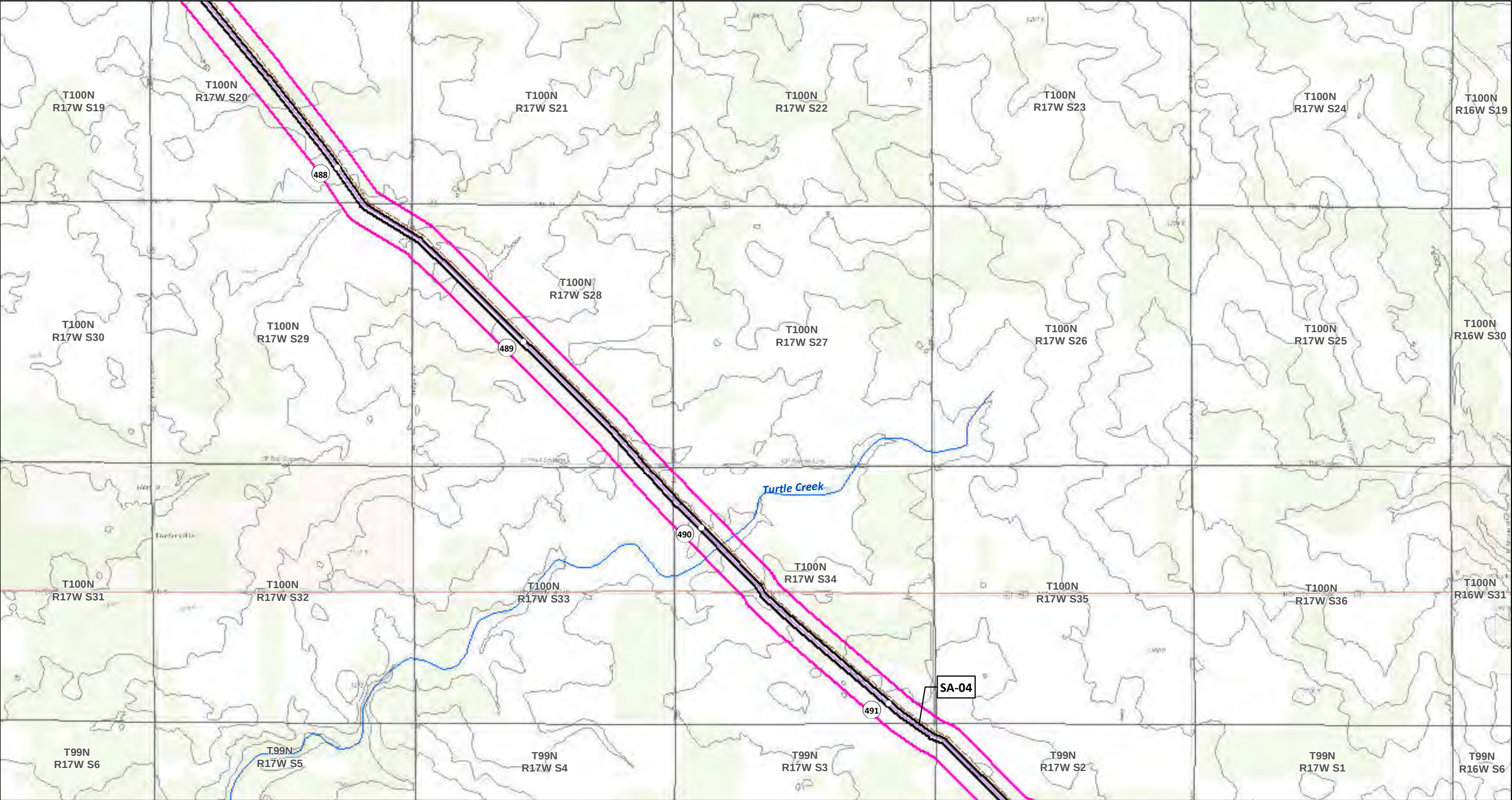
Map 127B of 188



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DETAILED MAP SET
AERIAL**

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SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

Existing Pipelines

Township Boundary

State Managed Lands

- WMA - Wildlife Management Areas
- Wildlife Refuge Inventory
- SNA - Scientific and Natural Area

Water Resources

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- National River Inventory Crossing

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303d Impaired Waters

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Public Drinking Water Supply

Wellhead Protection Area (WHPA)

Lakes of Biological Significance

- Outstanding
- High
- Moderate

Native Plant Communities with Biodiversity Significance

- Outstanding
- High
- Moderate

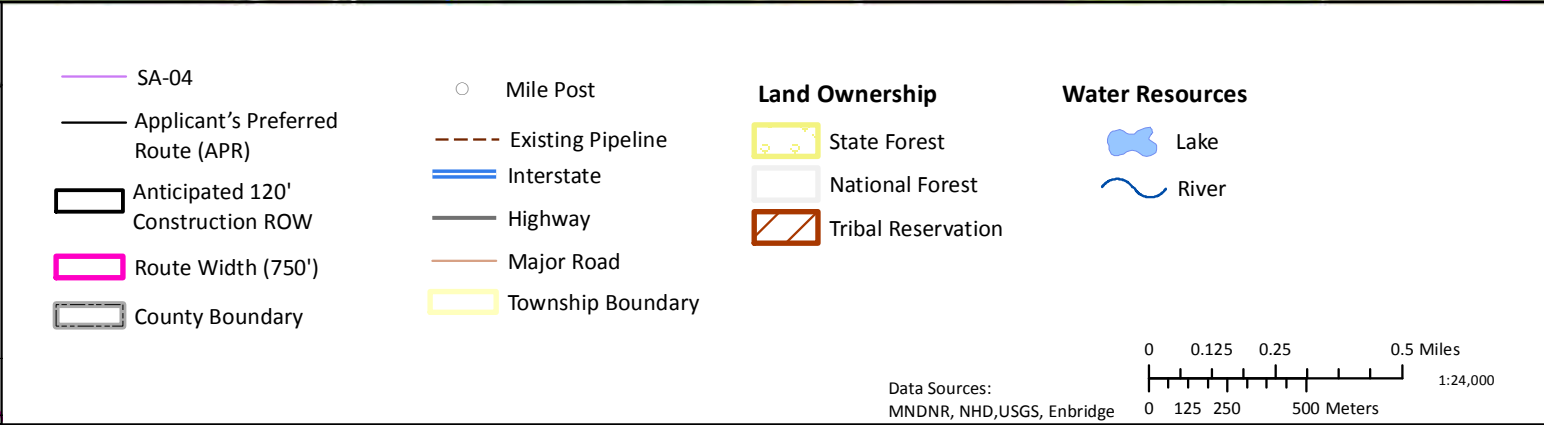
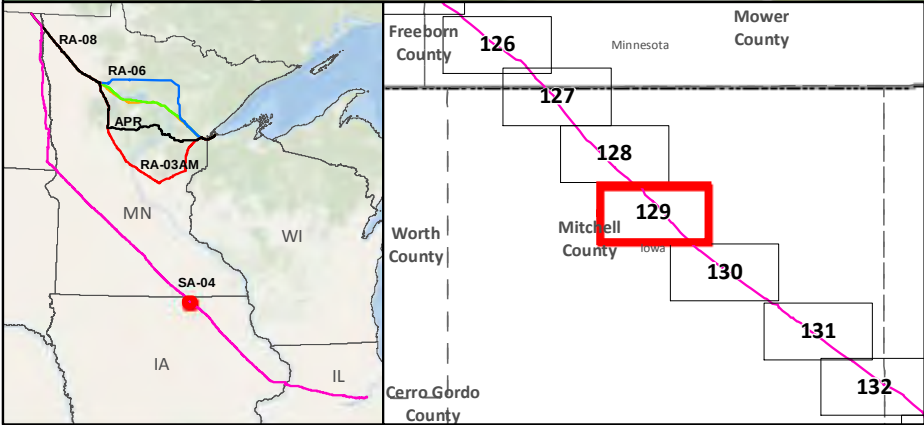
Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

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0 125 250 500 Meters 1:24,000
10ft Contours

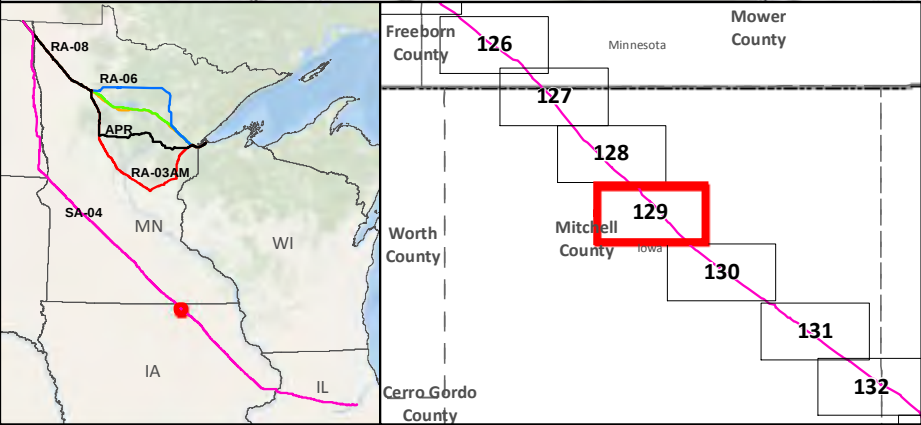
Map 128B of 188



**LINE 3 PROJECT
DETAILED MAP SET
AERIAL**

SA-04

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SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

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Route Width (750')

Existing Pipelines

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- High
- Moderate

Native Plant Communities with Biodiversity Significance

- Outstanding
- High
- Moderate

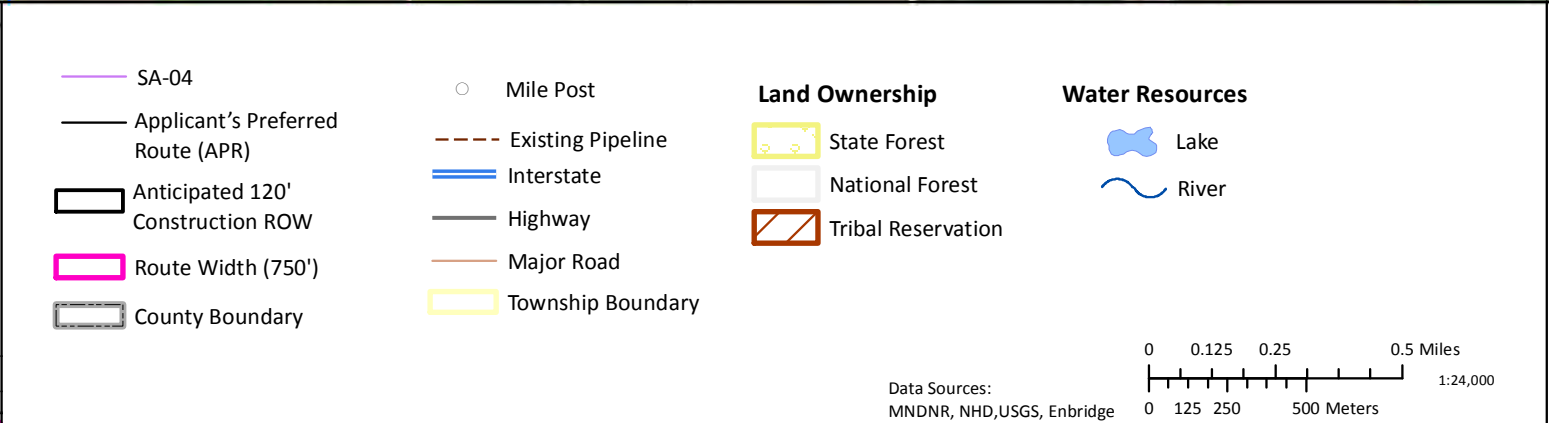
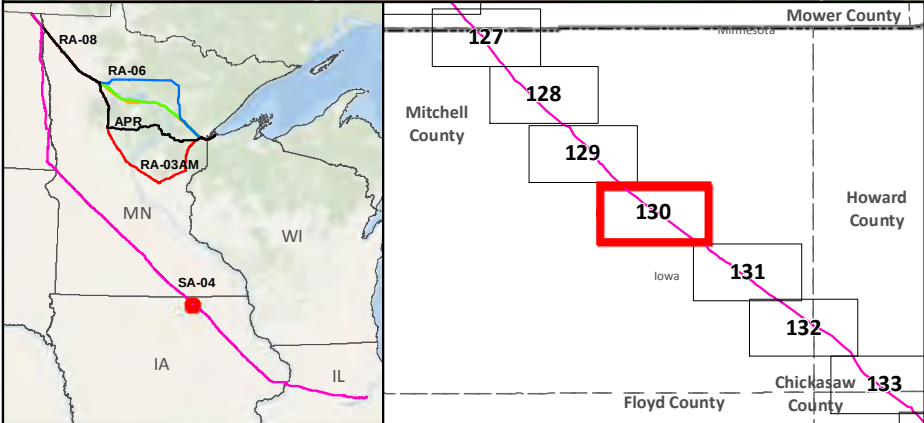
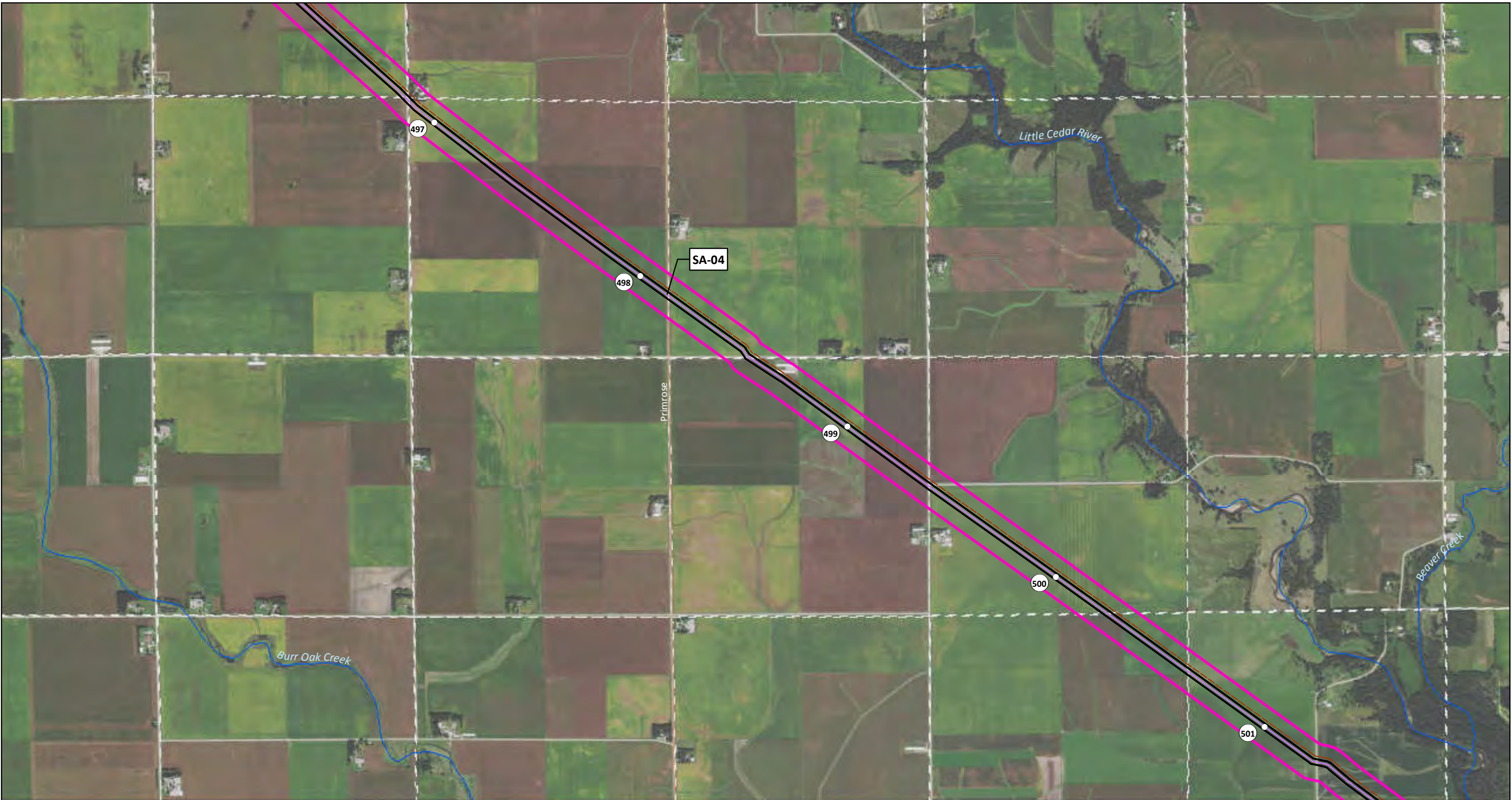
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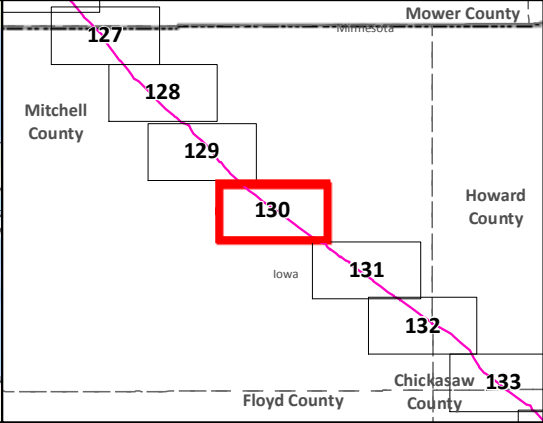
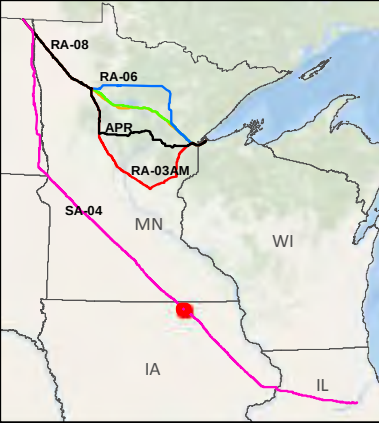
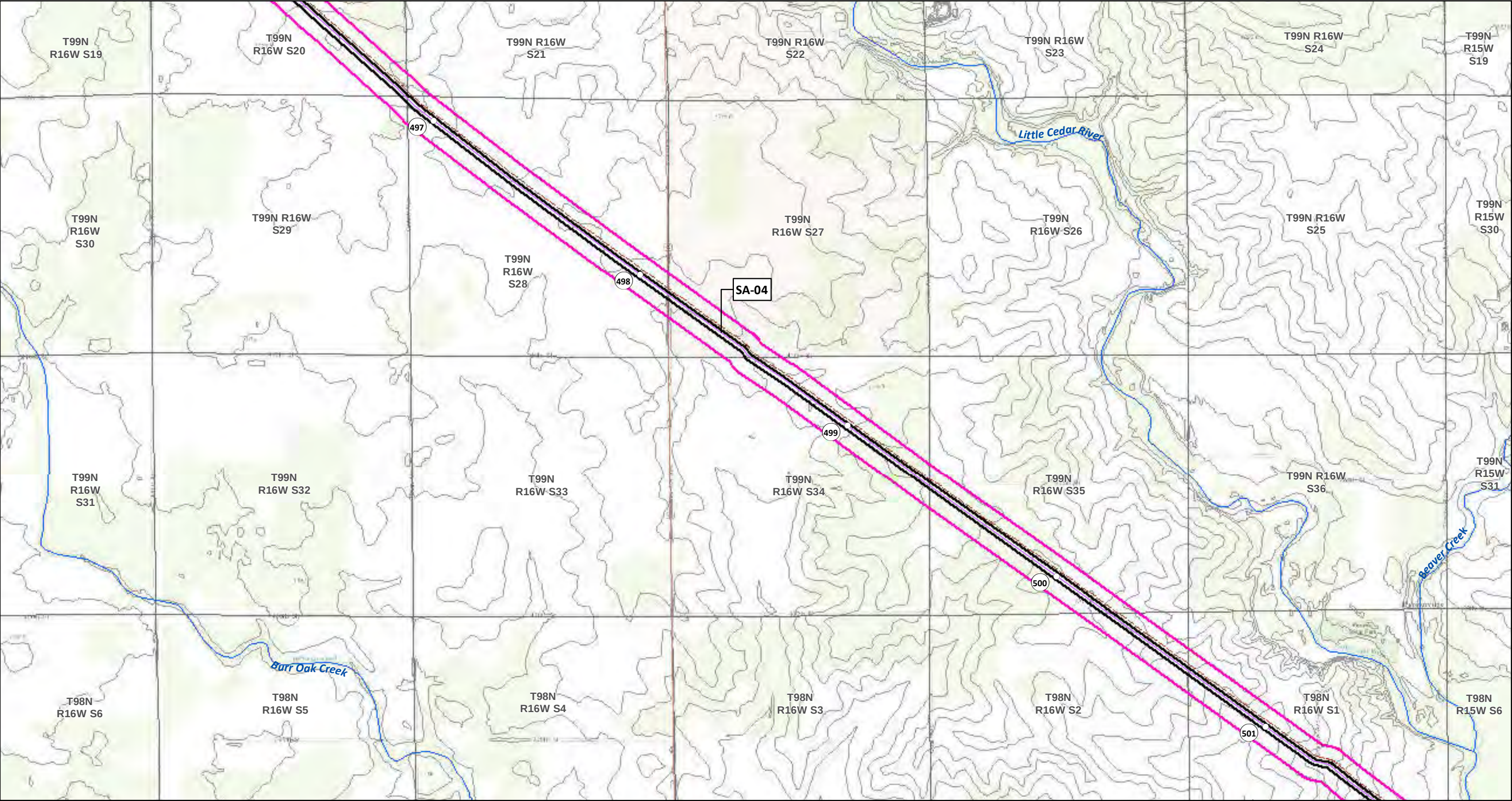
**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

0 0.125 0.25 0.5 Miles
0 125 250 500 Meters
1:24,000
10ft Contours

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SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

○ Mile Post

Anticipated 120' Construction ROW

Route Width (750')

Existing Pipelines

Township Boundary

State Managed Lands

- WMA - Wildlife Management Areas
- Wildlife Refuge Inventory
- SNA - Scientific and Natural Area

Water Resources

- Navigable Waterway Crossings
- National River Inventory Crossing

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Wild Rice Lakes (DNR)

Public Waters Wetlands

Public Water Basin

Public Drinking Water Supply

Wellhead Protection Area (WHPA)

Lakes of Biological Significance

- Outstanding
- High
- Moderate

Native Plant Communities with Biodiversity Significance

- Outstanding
- High
- Moderate

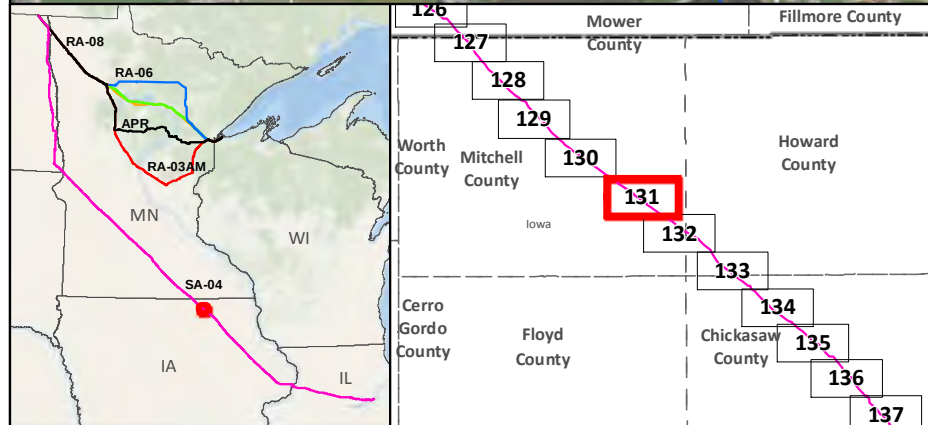
Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC
SA-04**

0 0.125 0.25 0.5 Miles
0 125 250 500 Meters 1:24,000
10ft Contours

Map 130B of 188

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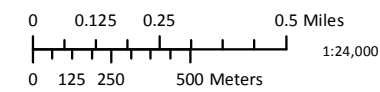


- SA-04
- Applicant's Preferred Route (APR)
- Anticipated 120' Construction ROW
- Route Width (750')
- County Boundary
- Mile Post
- Existing Pipeline
- Interstate
- Highway
- Major Road
- Township Boundary

- Land Ownership**
- State Forest
 - National Forest
 - Tribal Reservation

- Water Resources**
- Lake
 - River

Data Sources:
MNDNR, NHD, USGS, Enbridge

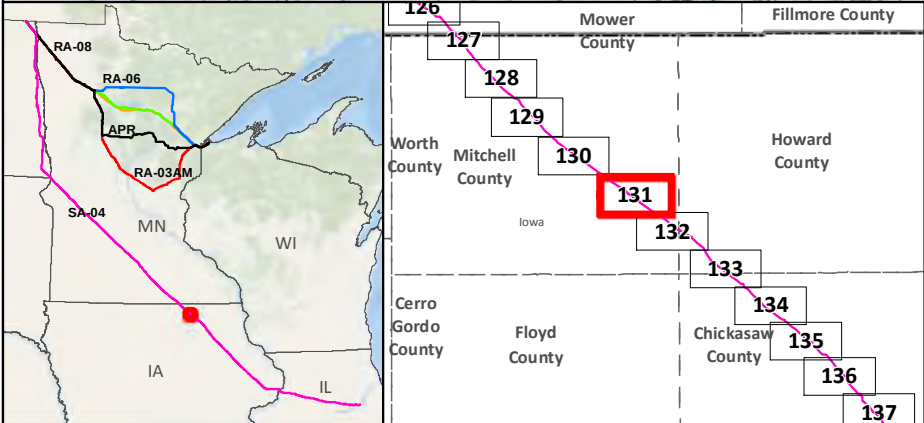


LINE 3 PROJECT DETAILED MAP SET AERIAL

SA-04

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SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

Existing Pipelines

Township Boundary

State Managed Lands

- WMA - Wildlife Management Areas
- Wildlife Refuge Inventory
- SNA - Scientific and Natural Area

Water Resources

- Navigable Waterway Crossings
- National River Inventory Crossing

Public Waters Watercourse

303d Impaired Waters

Designated Trout Stream

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Wild Rice Lakes (DNR)

Public Waters Wetlands

Public Water Basin

Public Drinking Water Supply

Wellhead Protection Area (WHPA)

Lakes of Biological Significance

- Outstanding
- High
- Moderate

Native Plant Communities with Biodiversity Significance

- Outstanding
- High
- Moderate

Data Sources: MNDNR, USGS, NHD, Enbridge

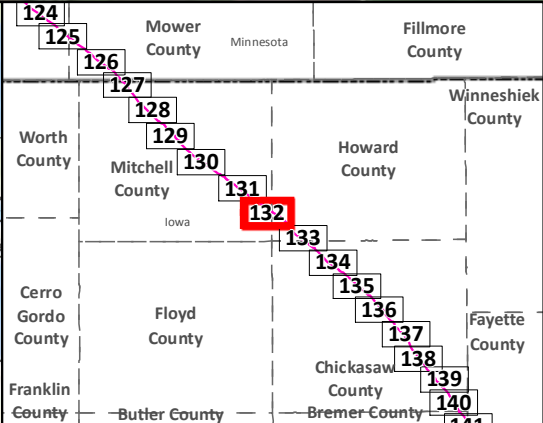
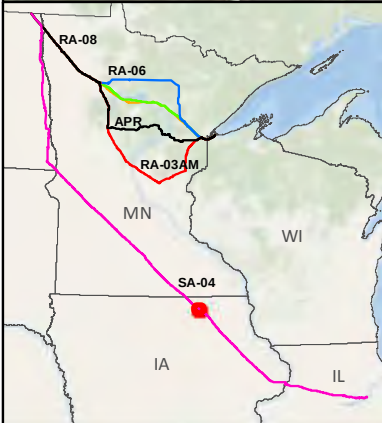
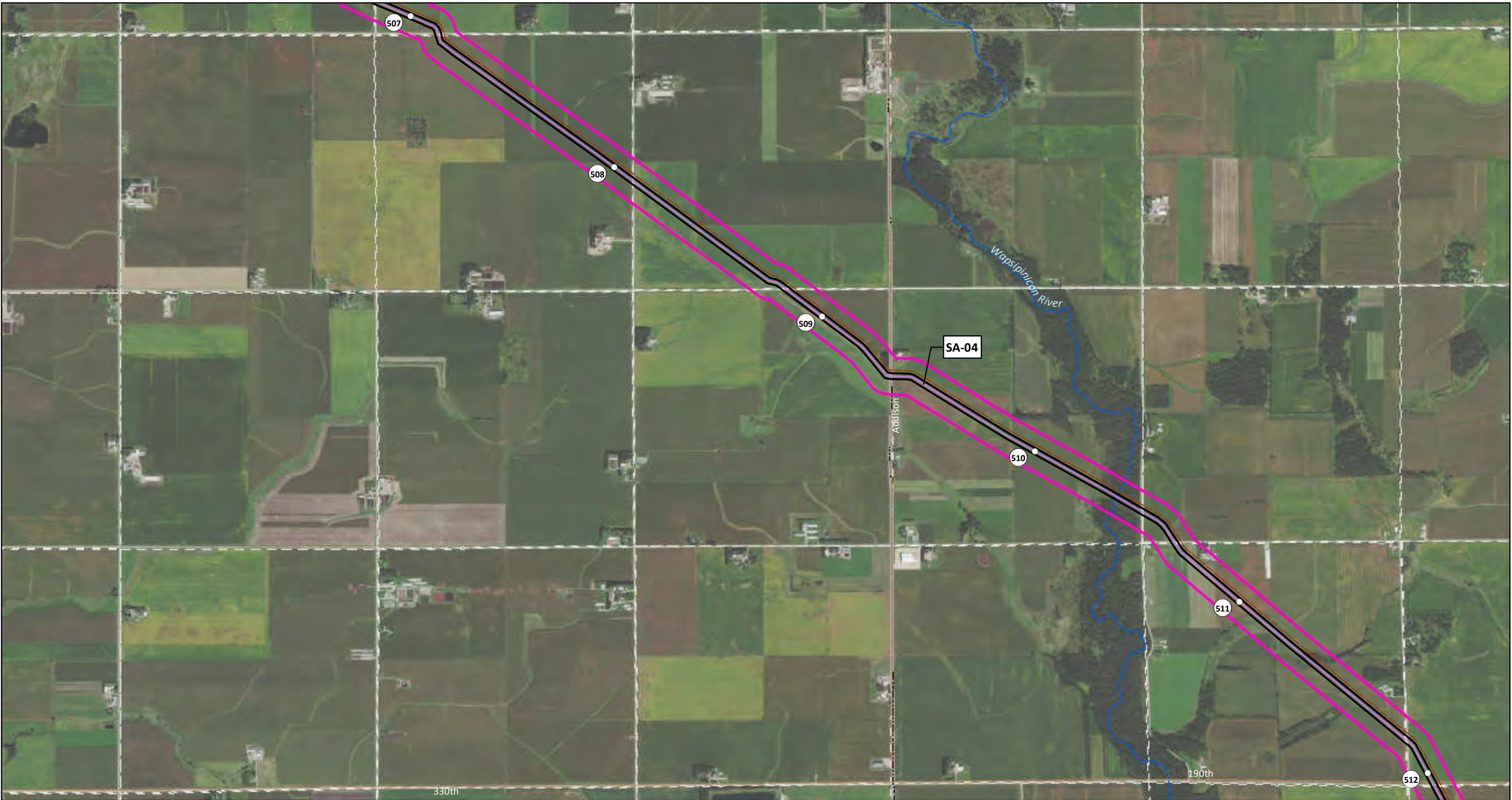
**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

0 0.125 0.25 0.5 Miles
0 125 250 500 Meters
1:24,000
10ft Contours

Map 131B of 188

North Arrow



SA-04

Applicant's Preferred Route (APR)

Anticipated 120' Construction ROW

Route Width (750')

County Boundary

Mile Post

Existing Pipeline

Interstate

Highway

Major Road

Township Boundary

Land Ownership

State Forest

National Forest

Tribal Reservation

Water Resources

Lake

River

0

0.125

0.25

0.5 Miles

0

125

250

500 Meters

1:24,000

Data Sources:

MNDNR, NHD, USGS, Enbridge

LINE 3 PROJECT

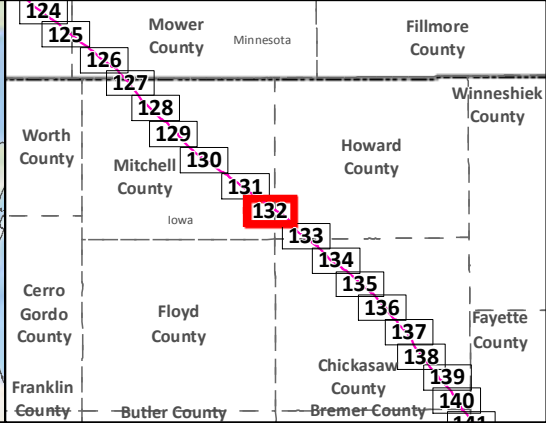
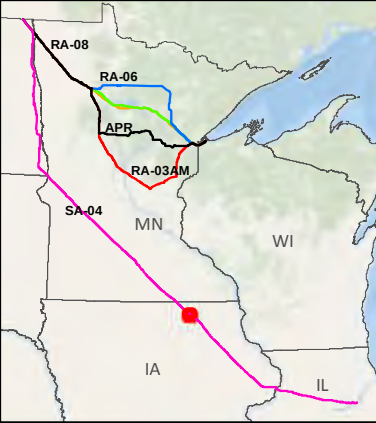
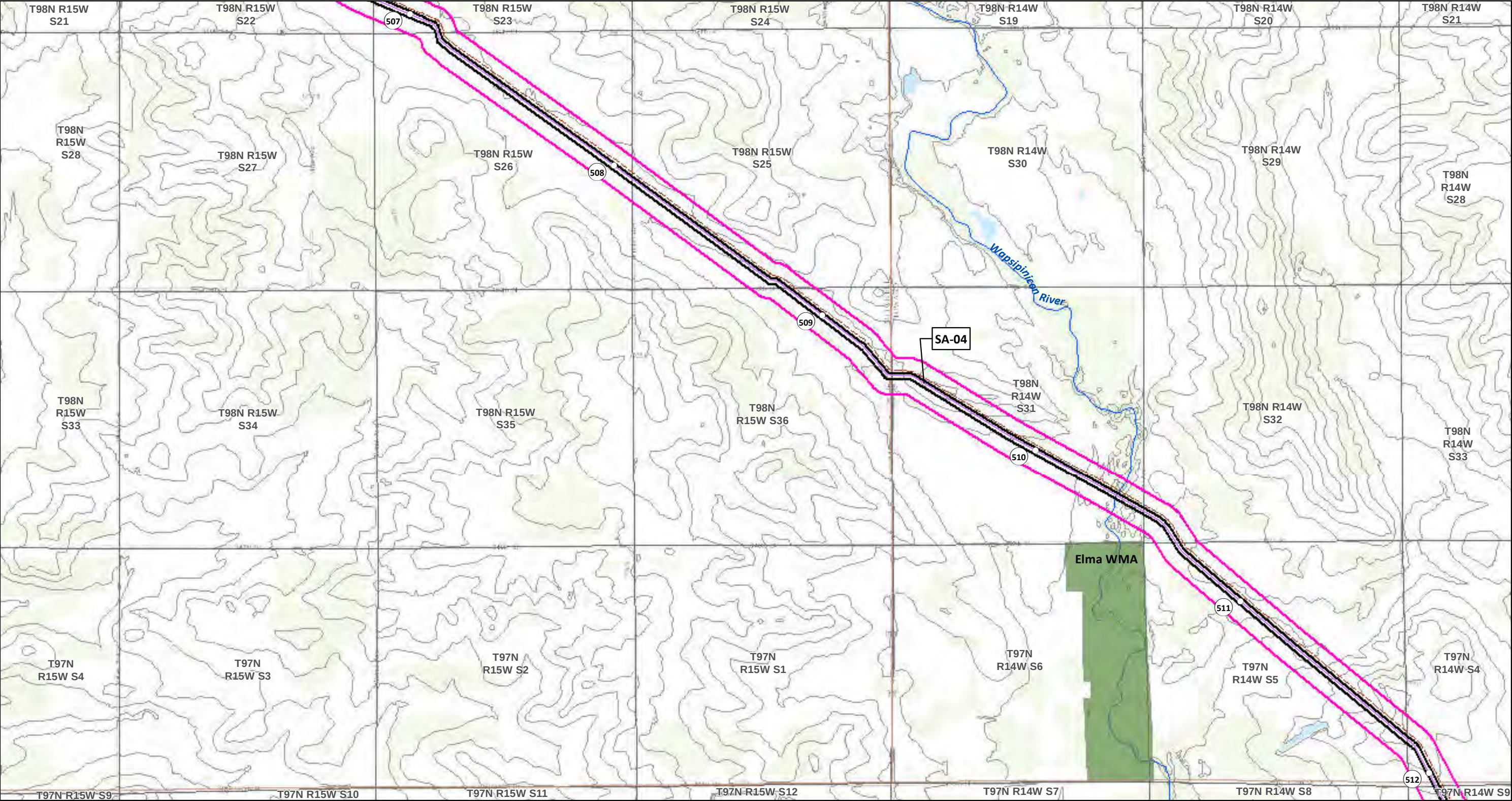
DETAILED MAP SET

AERIAL

SA-04

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SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

Existing Pipelines

Township Boundary

State Managed Lands

- WMA - Wildlife Management Areas
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- SNA - Scientific and Natural Area

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- Navigable Waterway Crossings
- National River Inventory Crossing

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303d Impaired Waters

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Public Water Basin

Public Drinking Water Supply

Wellhead Protection Area (WHPA)

Lakes of Biological Significance

- Outstanding
- High
- Moderate

Native Plant Communities with Biodiversity Significance

- Outstanding
- High
- Moderate

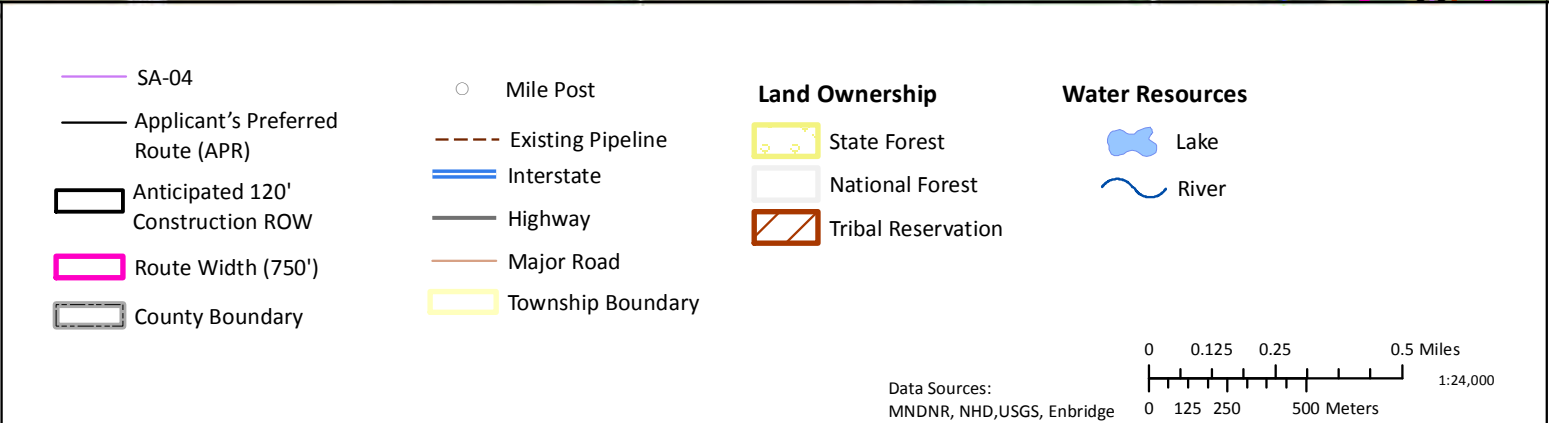
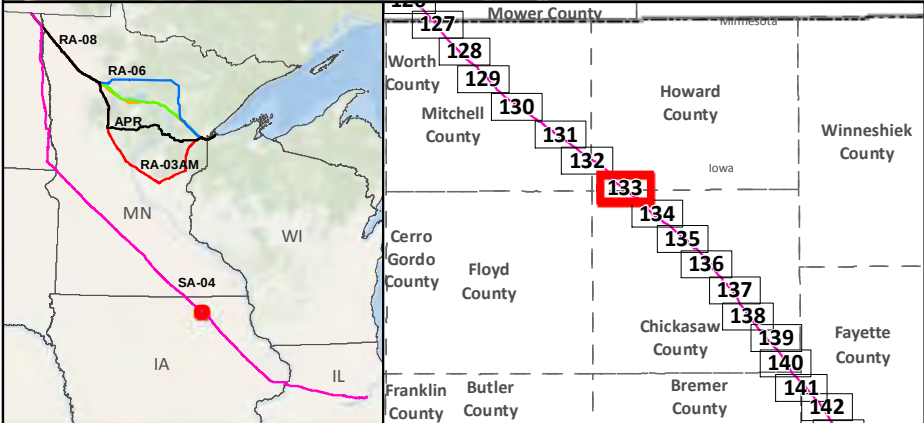
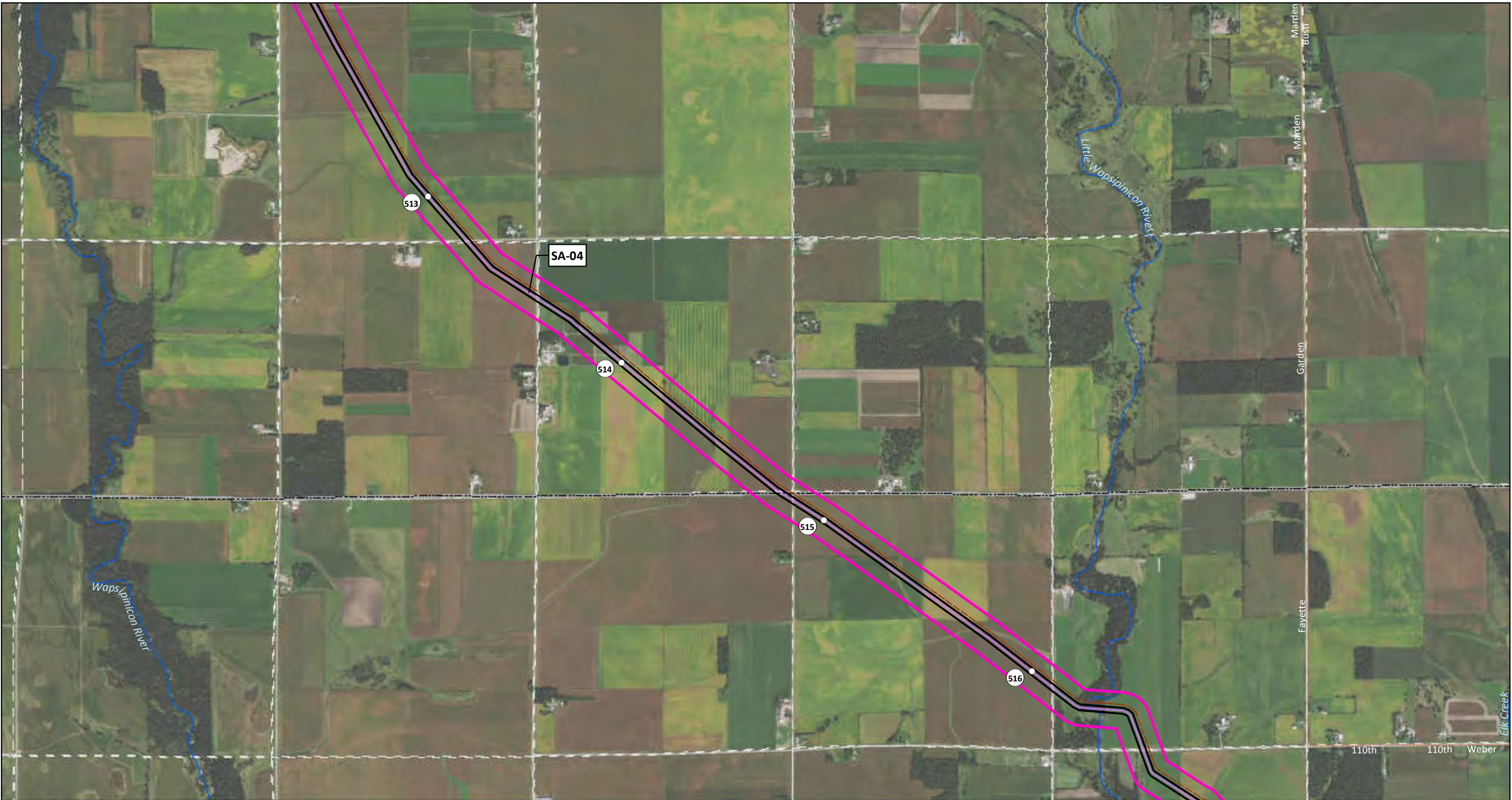
Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

0 0.125 0.25 0.5 Miles
0 125 250 500 Meters 1:24,000
10ft Contours

Map 132B of 188

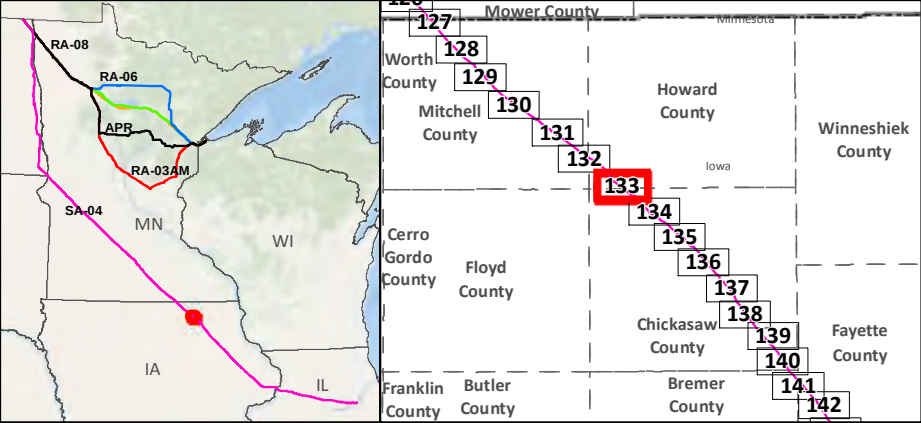
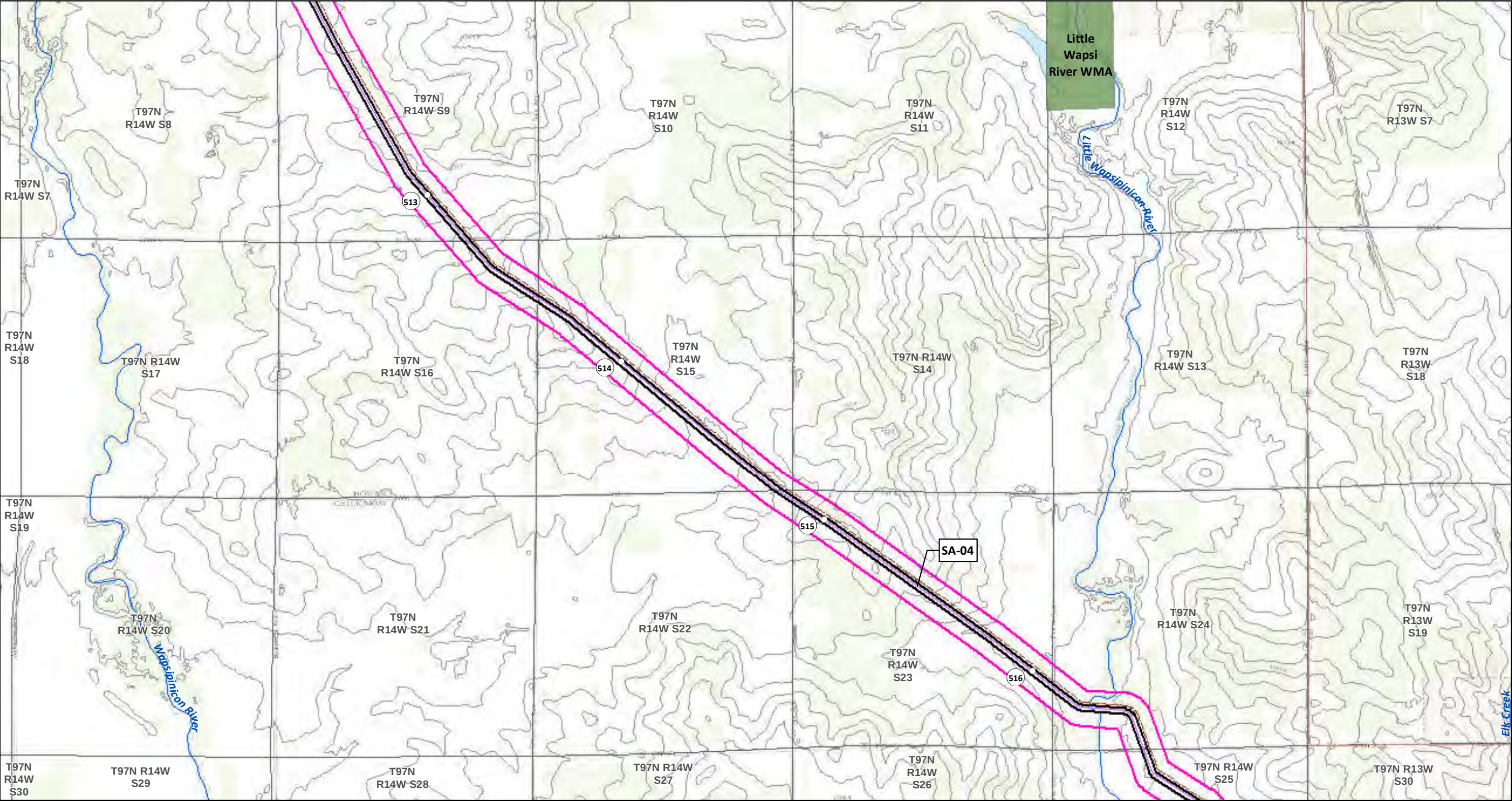


**LINE 3 PROJECT
DETAILED MAP SET
AERIAL**

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SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

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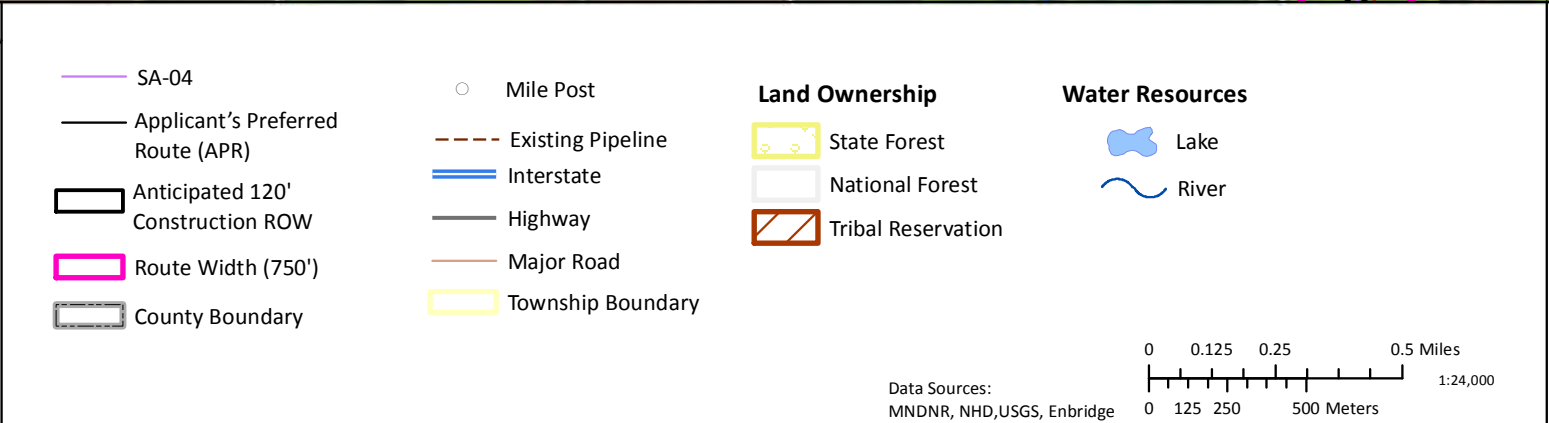
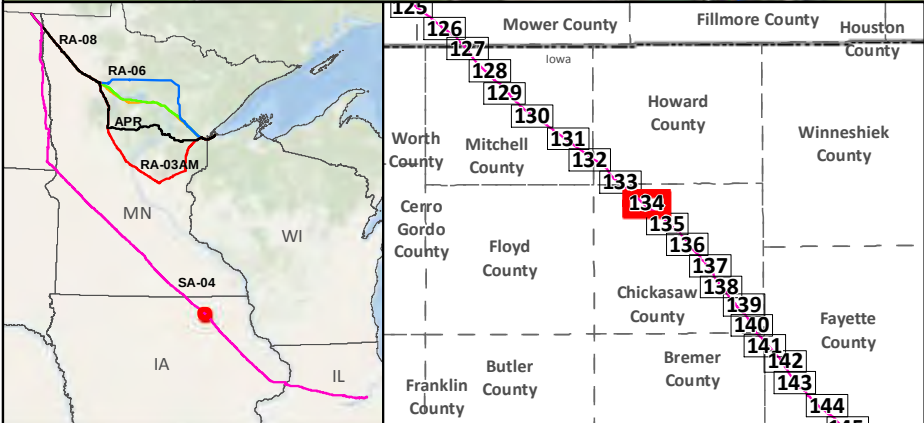
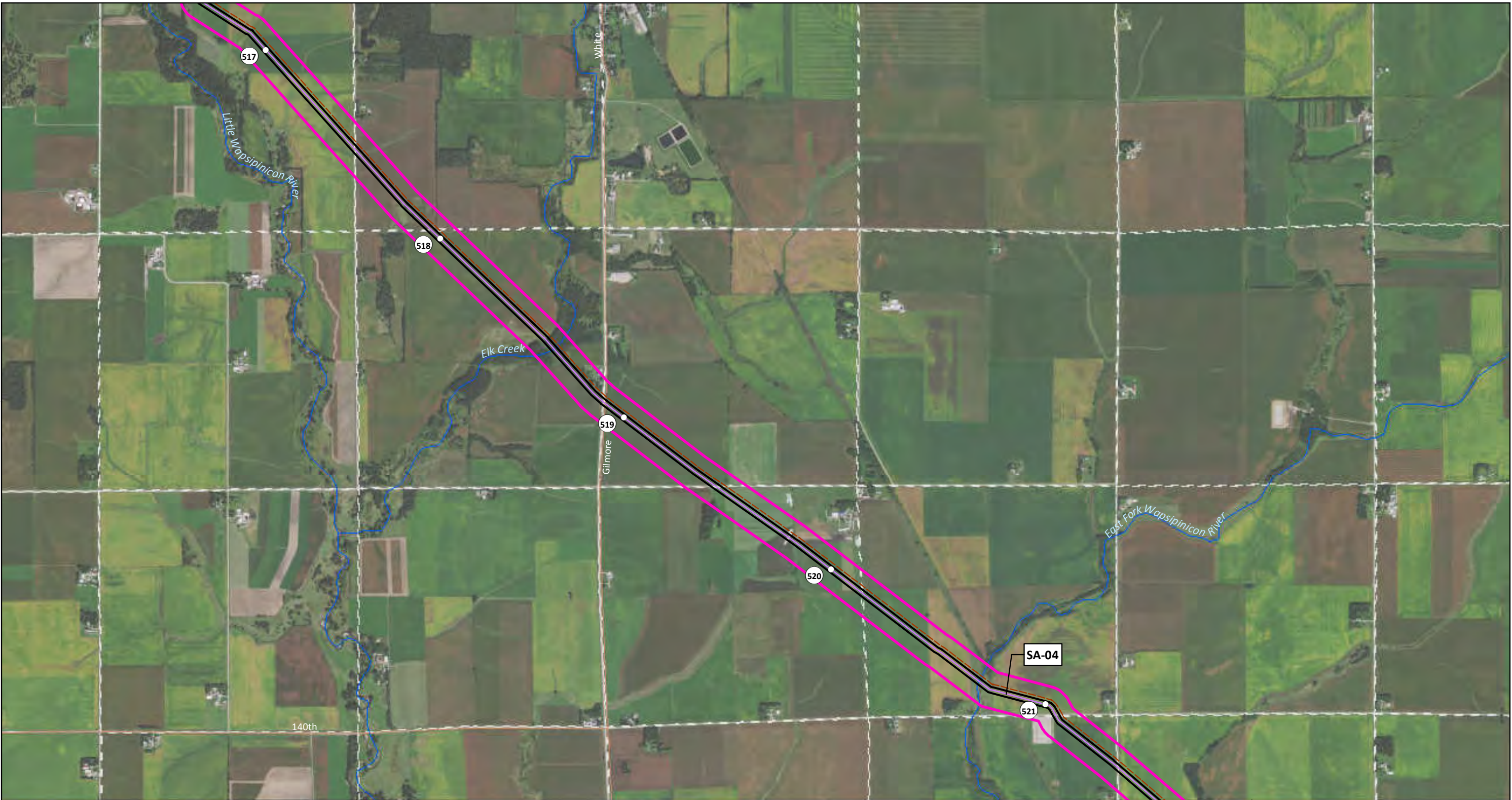
Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
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TOPOGRAPHIC**

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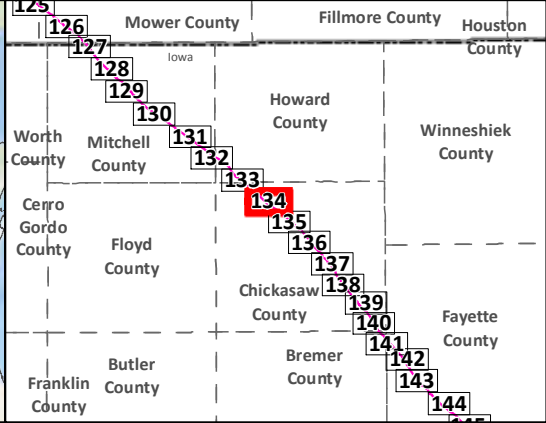
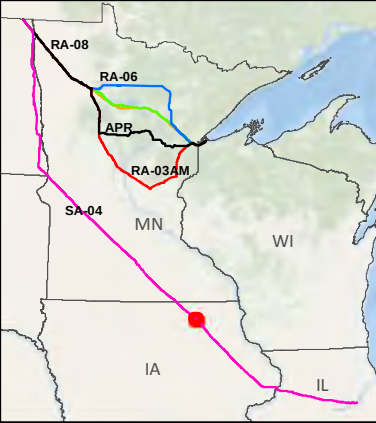
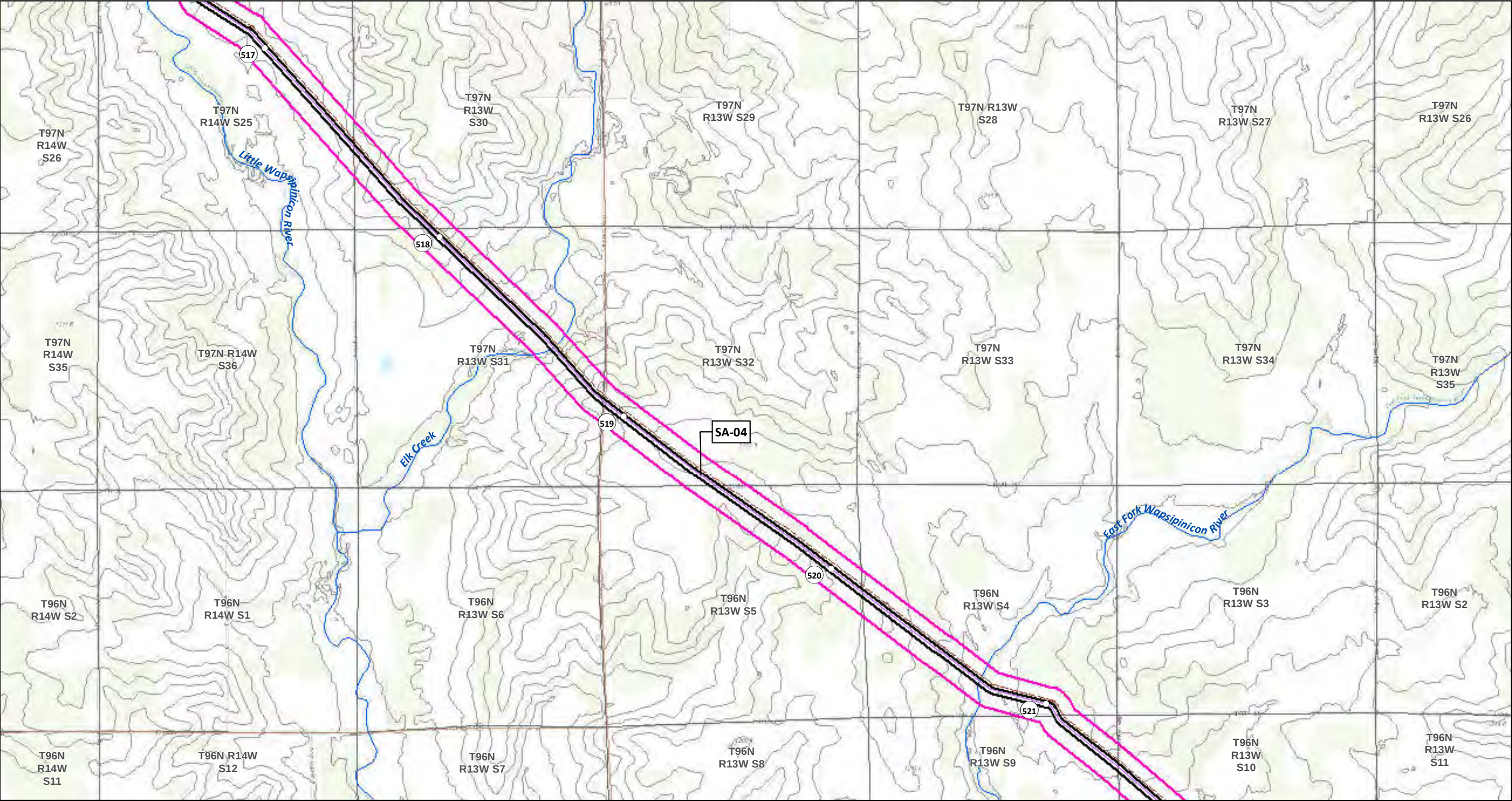
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**LINE 3 PROJECT
DETAILED MAP SET
AERIAL**

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SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

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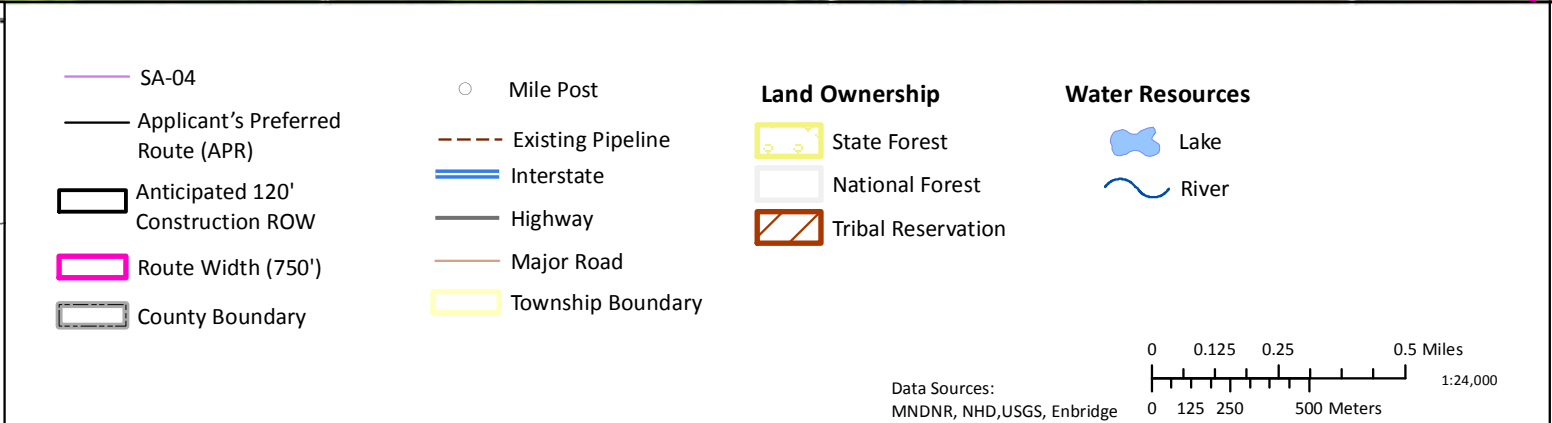
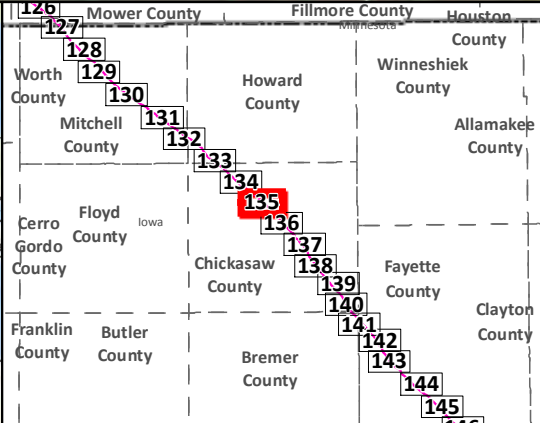
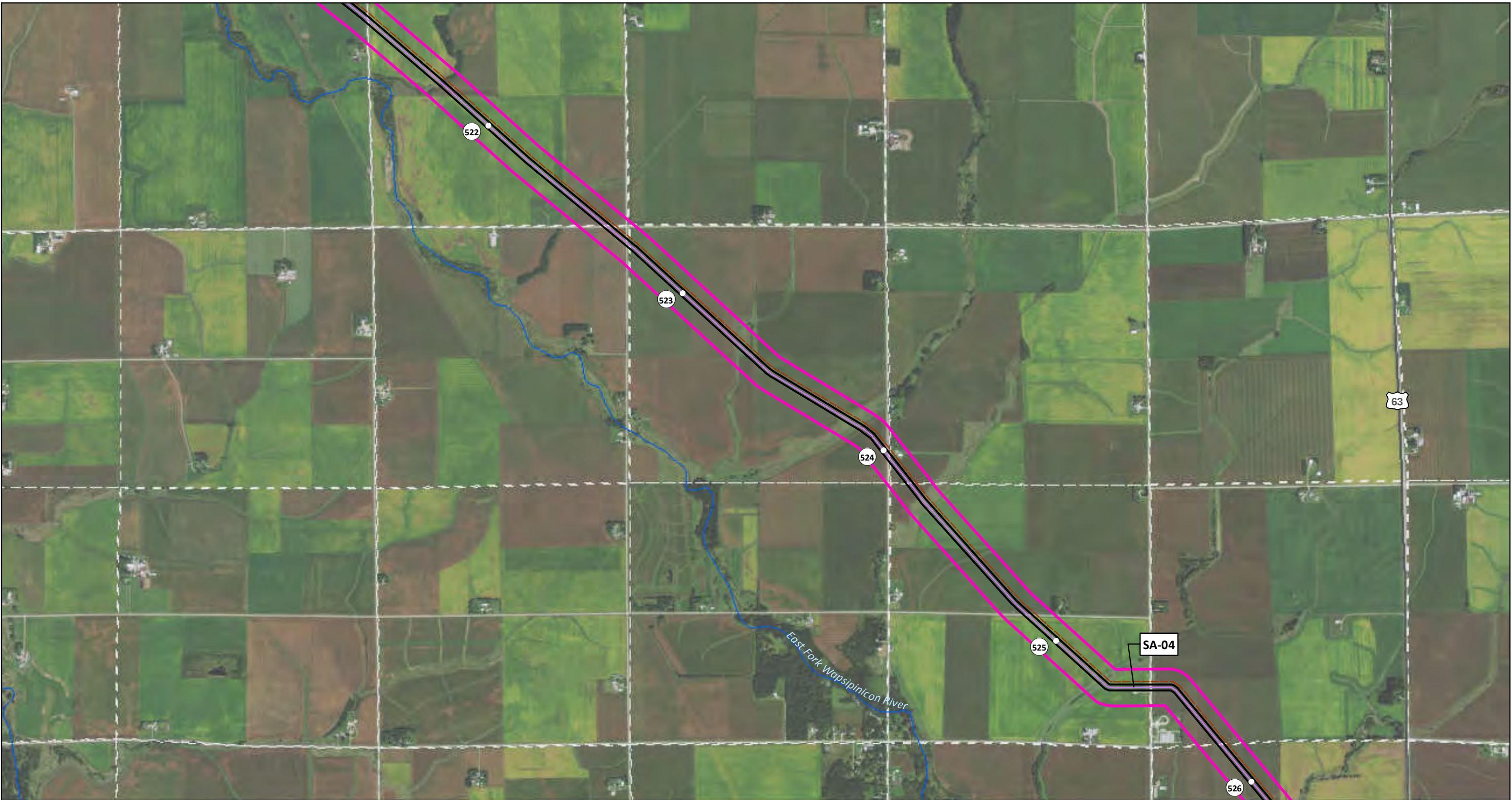
Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
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TOPOGRAPHIC**

SA-04

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0 125 250 500 Meters
1:24,000
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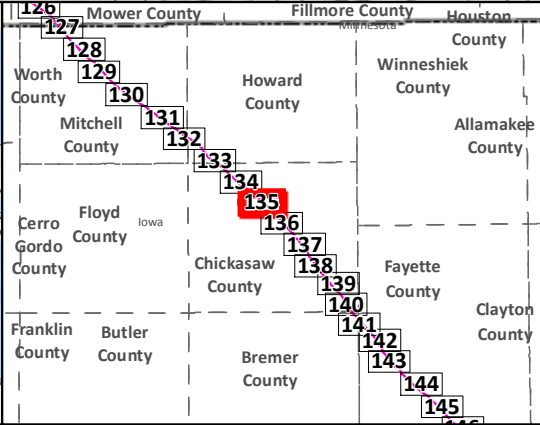
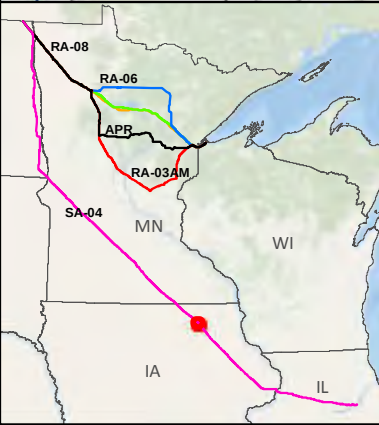
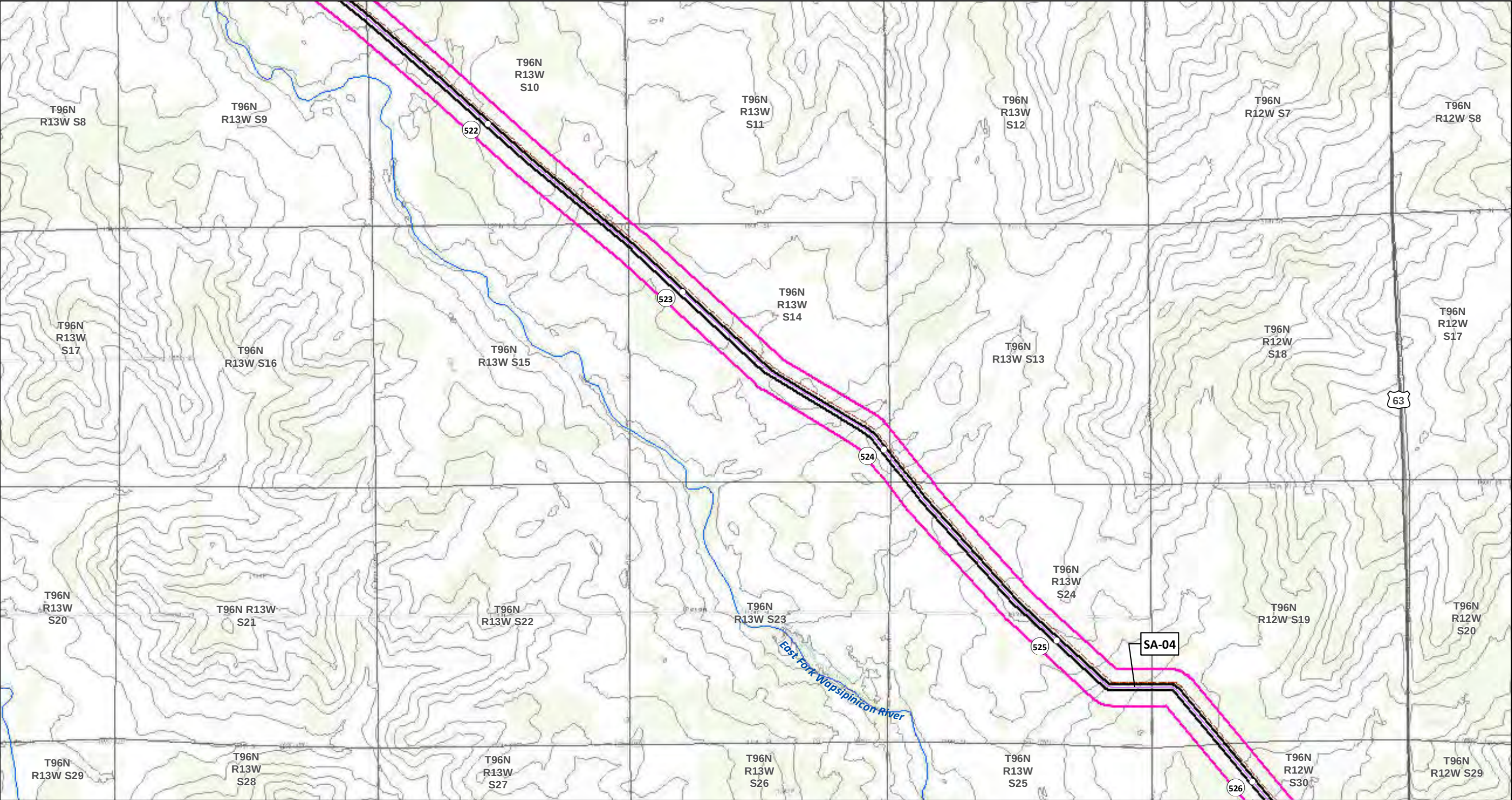
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**LINE 3 PROJECT
DETAILED MAP SET
AERIAL**

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SA-04

Applicant's Preferred Route (APR)

RA-03AM

RA-06

RA-07

RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

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Moderate

Data Sources:

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LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC

SA-04

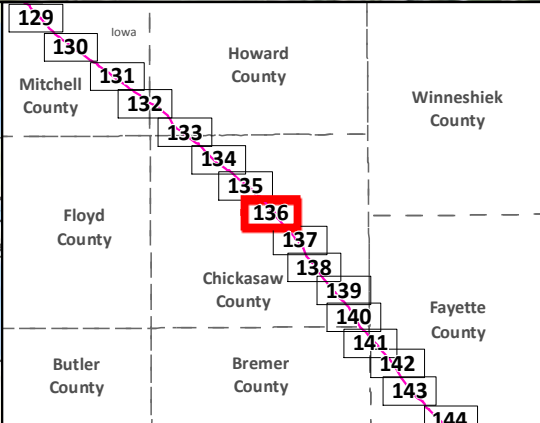
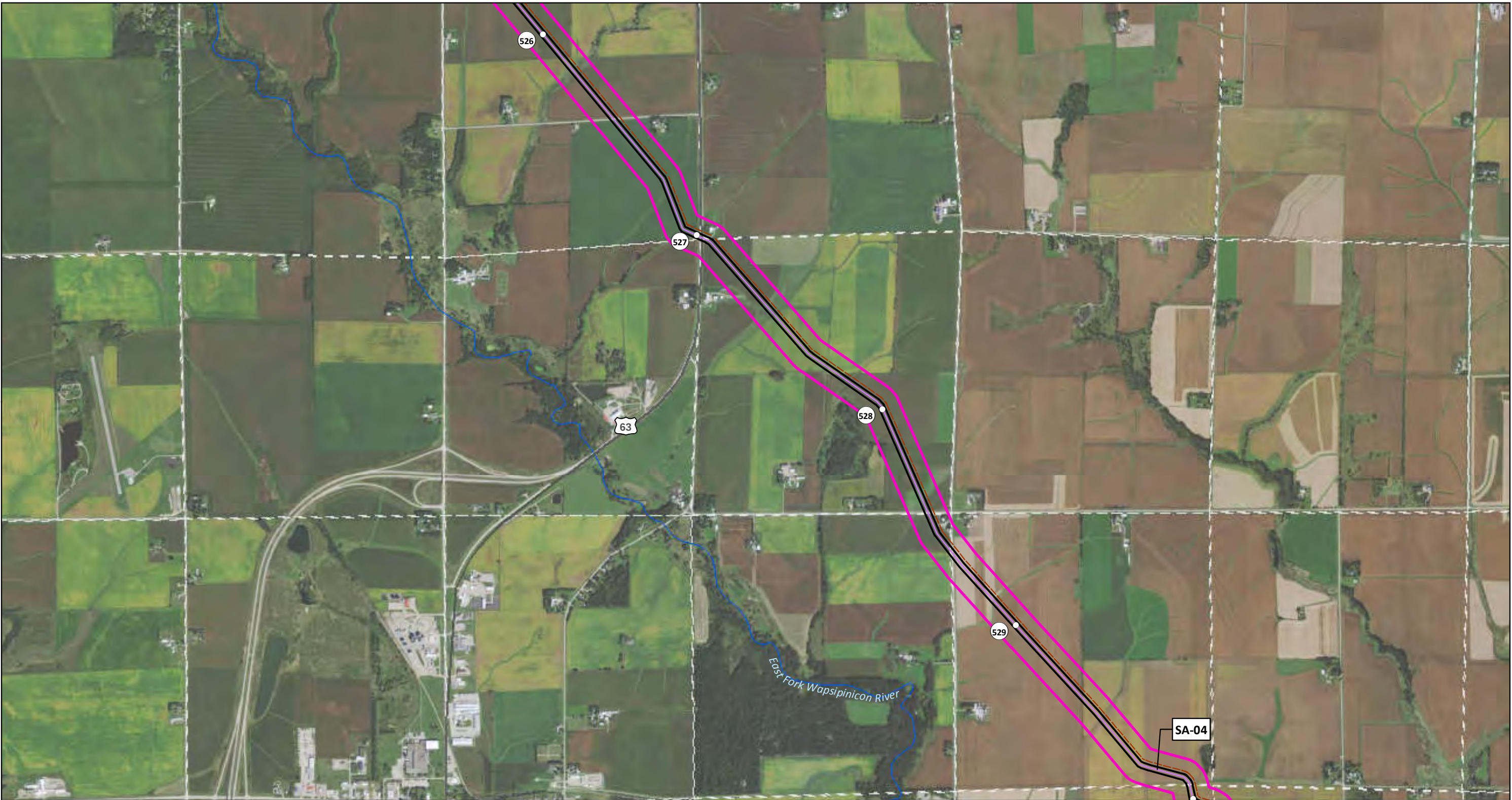
0 0.125 0.25 0.5 Miles

0 125 250 500 Meters

1:24,000

10ft Contours

Map 135B of 188



SA-04

Applicant's Preferred Route (APR)

Anticipated 120' Construction ROW

Route Width (750')

County Boundary

Mile Post

Existing Pipeline

Interstate

Highway

Major Road

Township Boundary

State Forest

National Forest

Tribal Reservation

Water Resources

Lake

River

0

0.125

0.25

0.5 Miles

0

125

250

500 Meters

1:24,000

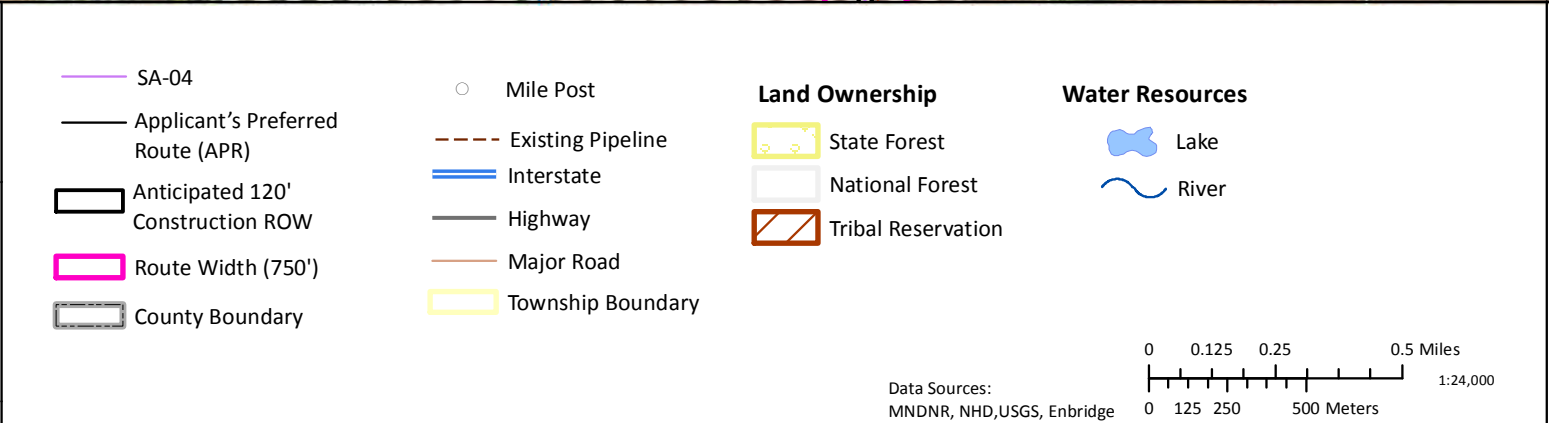
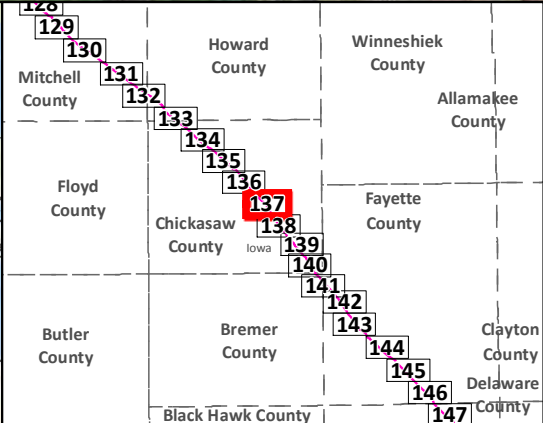
Data Sources:
MNDNR, NHD, USGS, Enbridge

LINE 3 PROJECT
DETAILED MAP SET
AERIAL

SA-04

Map 136A of 188

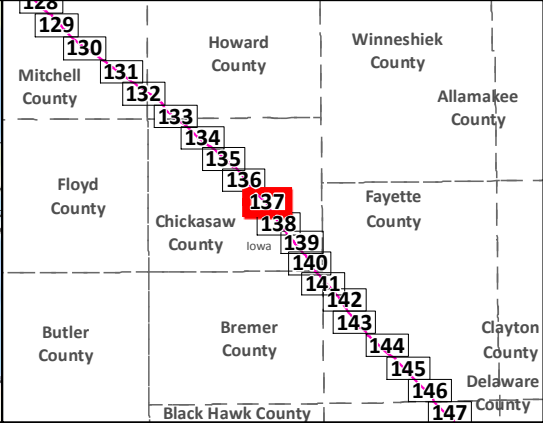
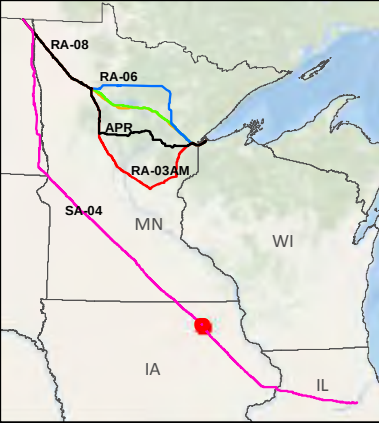
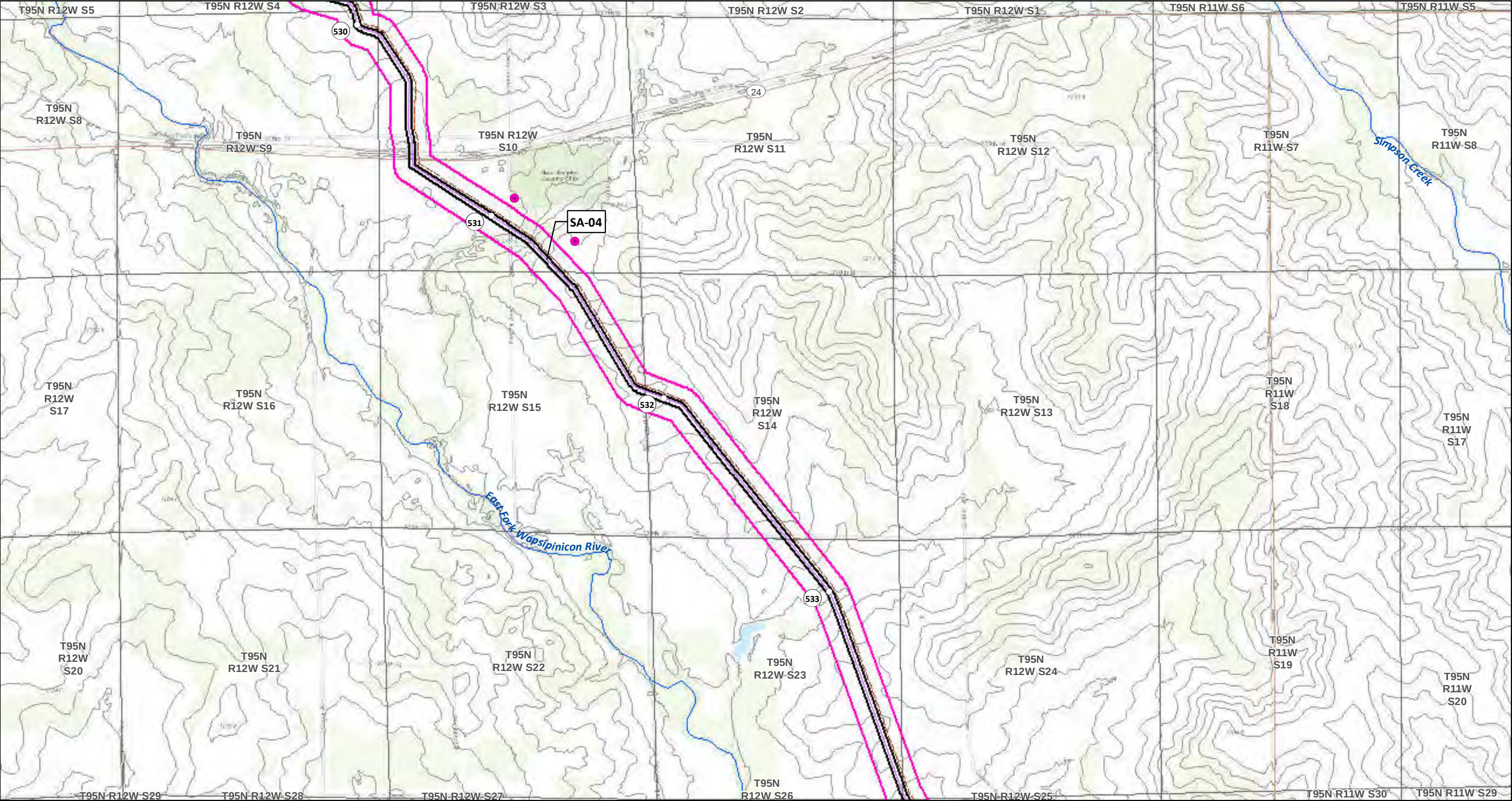
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**LINE 3 PROJECT
DETAILED MAP SET
AERIAL**

SA-04

Map 137A of 188



SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

Existing Pipelines

Township Boundary

State Managed Lands

- WMA - Wildlife Management Areas
- Wildlife Refuge Inventory
- SNA - Scientific and Natural Area

Water Resources

- Navigable Waterway Crossings
- National River Inventory Crossing

Public Waters Watercourse

303d Impaired Waters

Designated Trout Stream

Calcareous Fens

Wild Rice Lakes (DNR)

Public Waters Wetlands

Public Water Basin

Public Drinking Water Supply

Wellhead Protection Area (WHPA)

Lakes of Biological Significance

- Outstanding
- High
- Moderate

Native Plant Communities with Biodiversity Significance

- Outstanding
- High
- Moderate

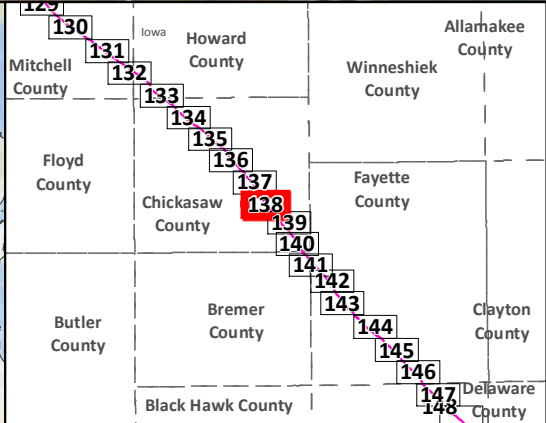
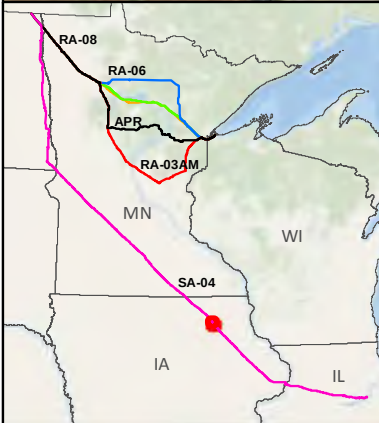
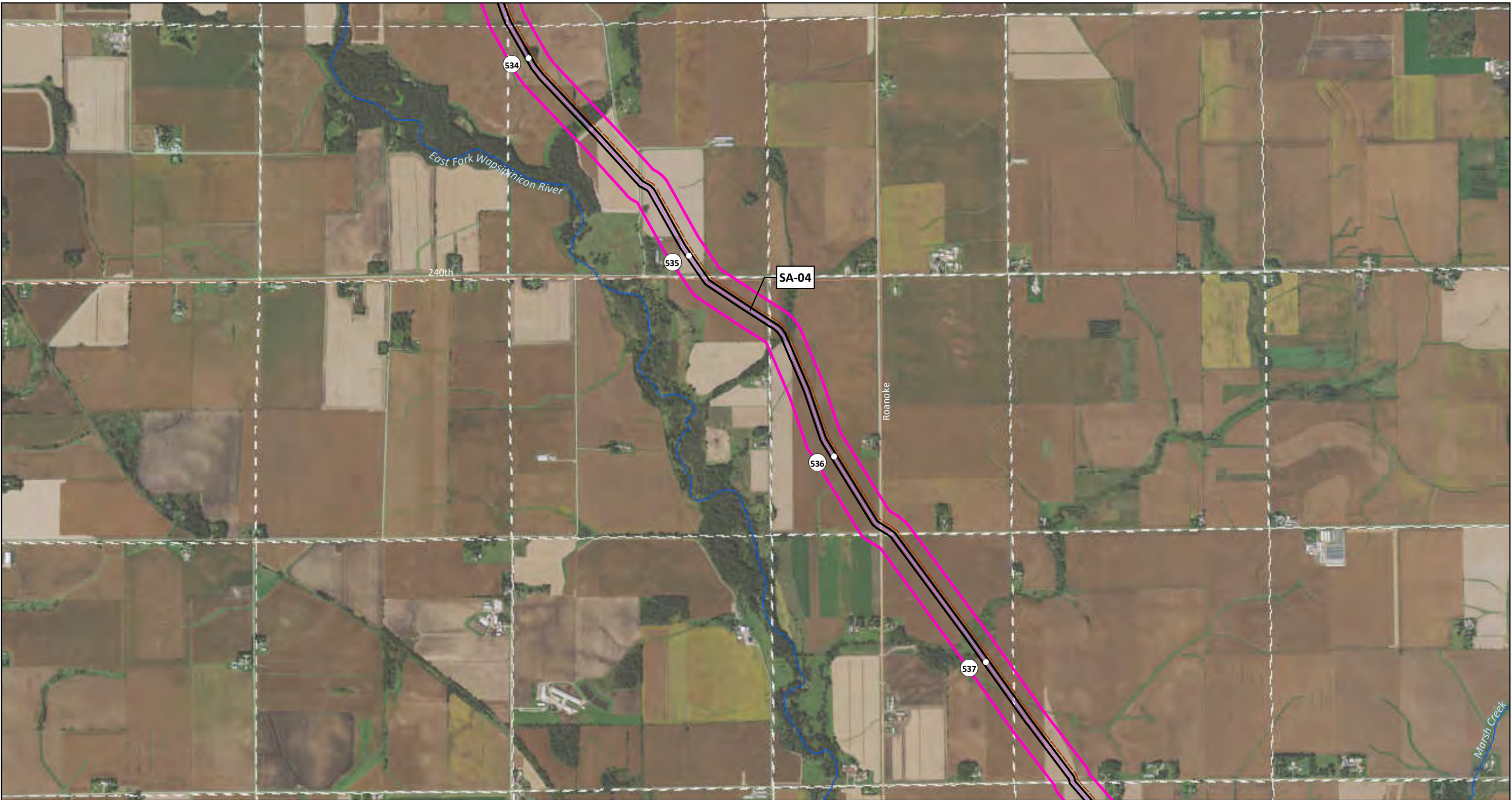
Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

0 0.125 0.25 0.5 Miles
0 125 250 500 Meters 1:24,000
10ft Contours

Map 137B of 188



SA-04

Applicant's Preferred Route (APR)

Anticipated 120' Construction ROW

Route Width (750')

County Boundary

Mile Post

Existing Pipeline

Interstate

Highway

Major Road

Township Boundary

Land Ownership

State Forest

National Forest

Tribal Reservation

Water Resources

Lake

River

0

0.125

0.25

0.5 Miles

0

125

250

500 Meters

1:24,000

Data Sources:

MNDNR, NHD, USGS, Enbridge

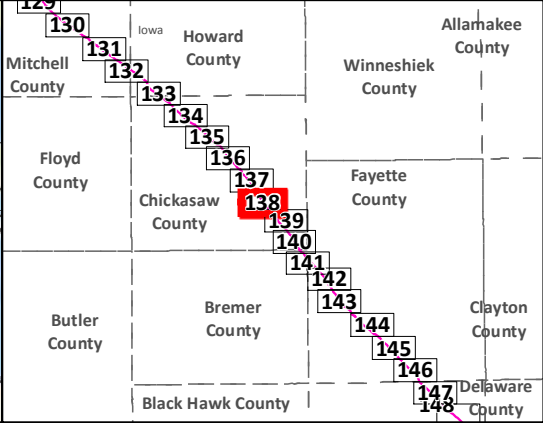
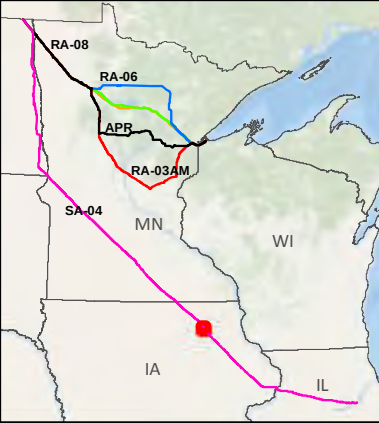
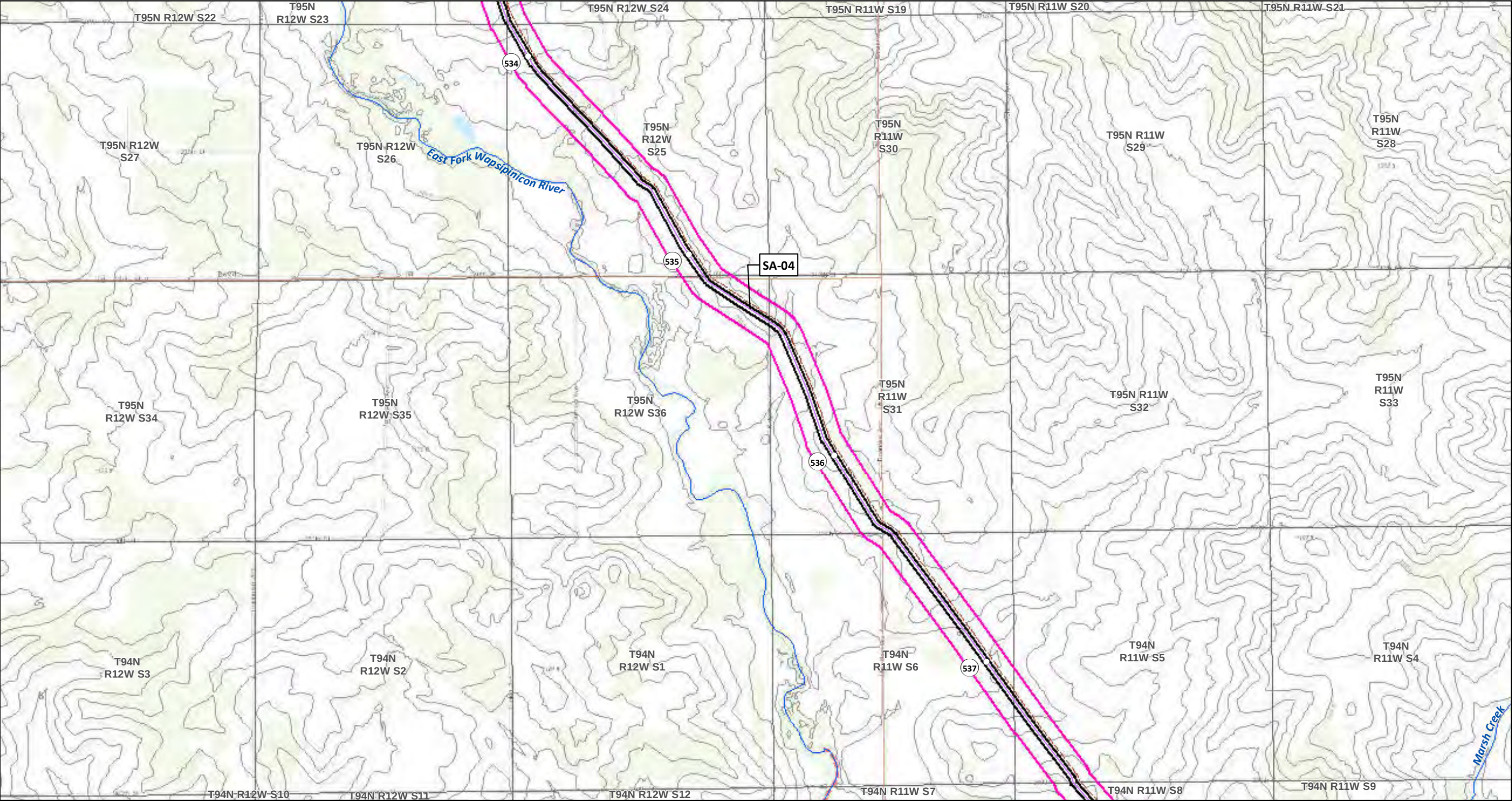
LINE 3 PROJECT

DETAILED MAP SET

AERIAL

SA-04

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SA-04

Applicant's Preferred Route (APR)

Anticipated 120' Construction ROW

Route Width (750')

Existing Pipelines

Township Boundary

State Managed Lands

- WMA - Wildlife Management Areas
- Wildlife Refuge Inventory
- SNA - Scientific and Natural Area

Water Resources

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- National River Inventory Crossing

Public Waters Watercourse

303d Impaired Waters

Designated Trout Stream

Calcareous Fens

Wild Rice Lakes (DNR)

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Public Water Basin

Public Drinking Water Supply

Wellhead Protection Area (WHPA)

Lakes of Biological Significance

- Outstanding
- High
- Moderate

Native Plant Communities with Biodiversity Significance

- Outstanding
- High
- Moderate

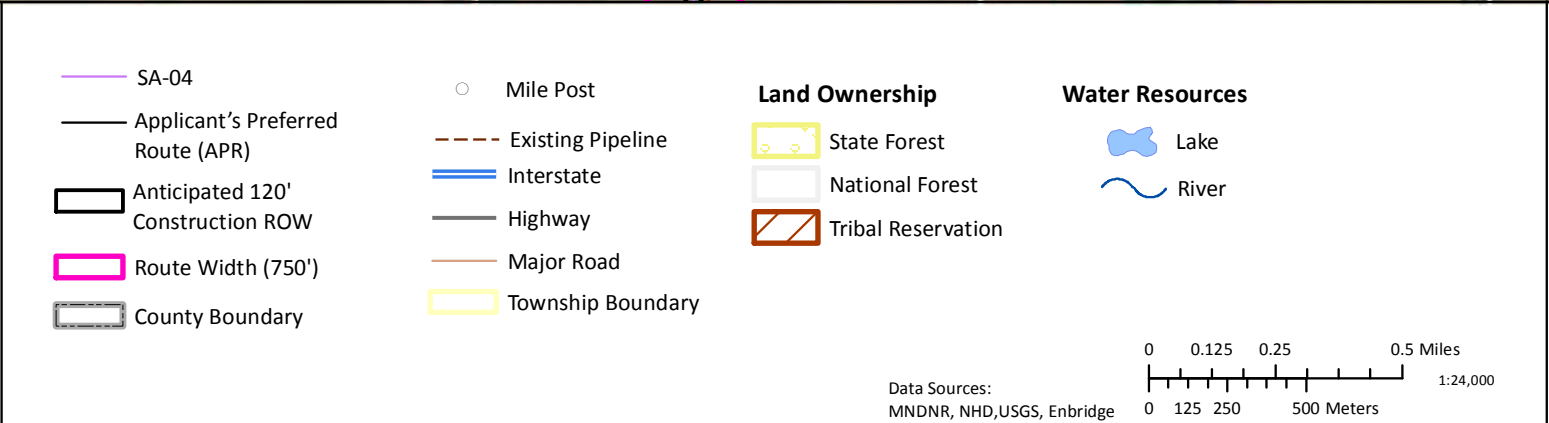
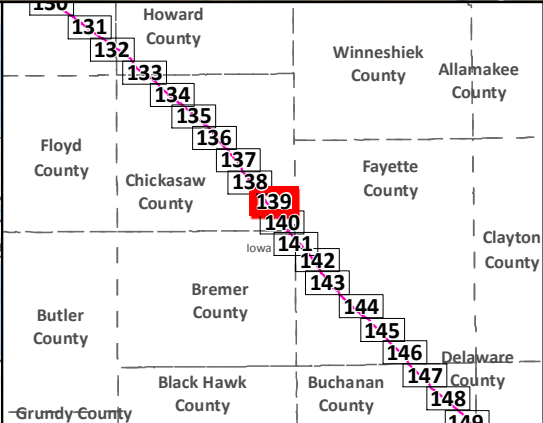
Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

0 0.125 0.25 0.5 Miles
0 125 250 500 Meters 1:24,000
10ft Contours

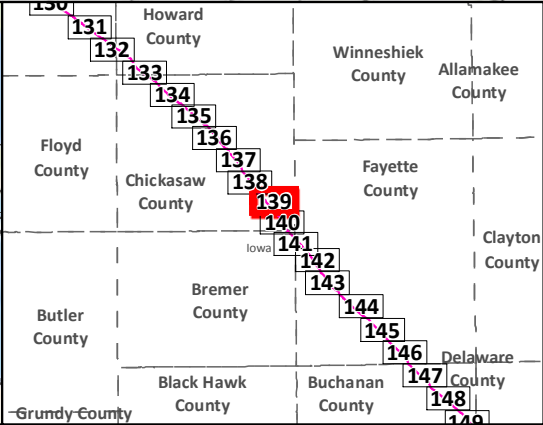
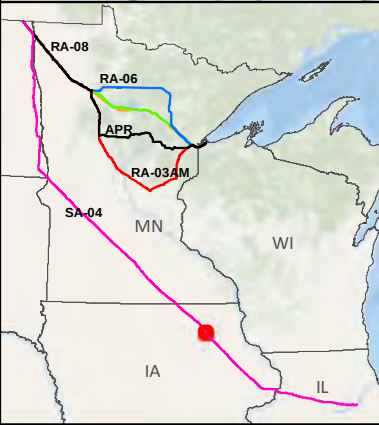
Map 138B of 188



LINE 3 PROJECT
DETAILED MAP SET
AERIAL

SA-04

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SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

Existing Pipelines

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- High
- Moderate

Native Plant Communities with Biodiversity Significance

- Outstanding
- High
- Moderate

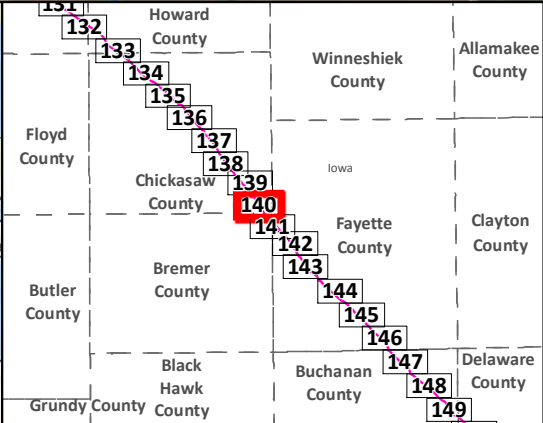
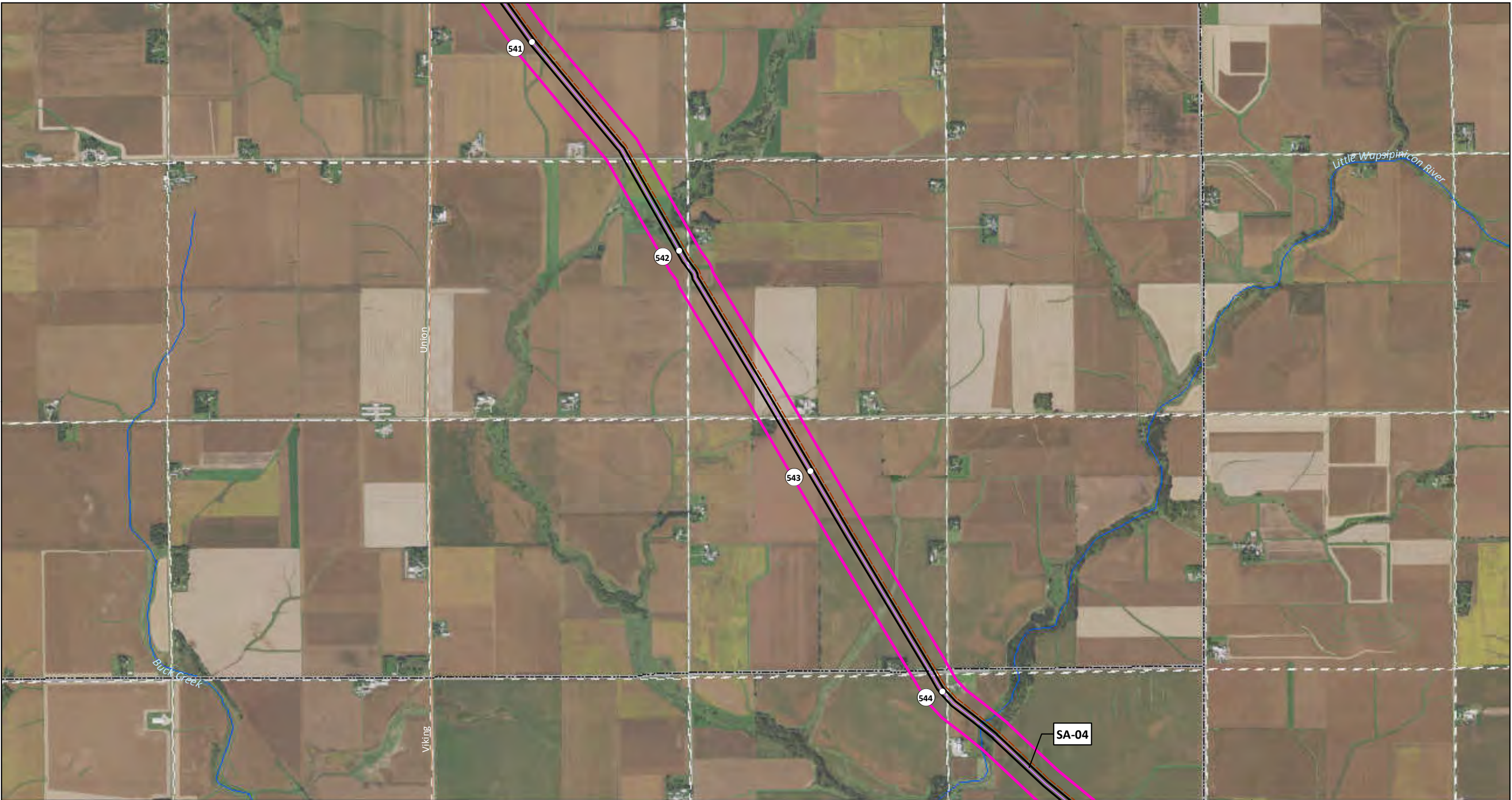
Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

0 0.125 0.25 0.5 Miles
0 125 250 500 Meters 1:24,000
10ft Contours

Map 139B of 188



SA-04

Applicant's Preferred Route (APR)

Anticipated 120' Construction ROW

Route Width (750')

County Boundary

Mile Post

Existing Pipeline

Interstate

Highway

Major Road

Township Boundary

State Forest

National Forest

Tribal Reservation

Lake

River

0

0.125

0.25

0.5 Miles

0

125

250

500 Meters

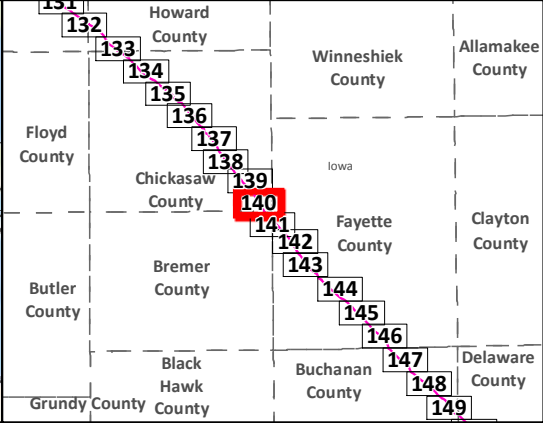
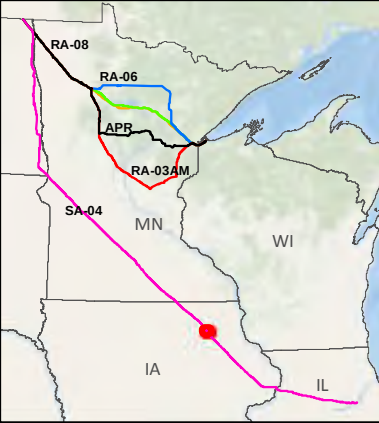
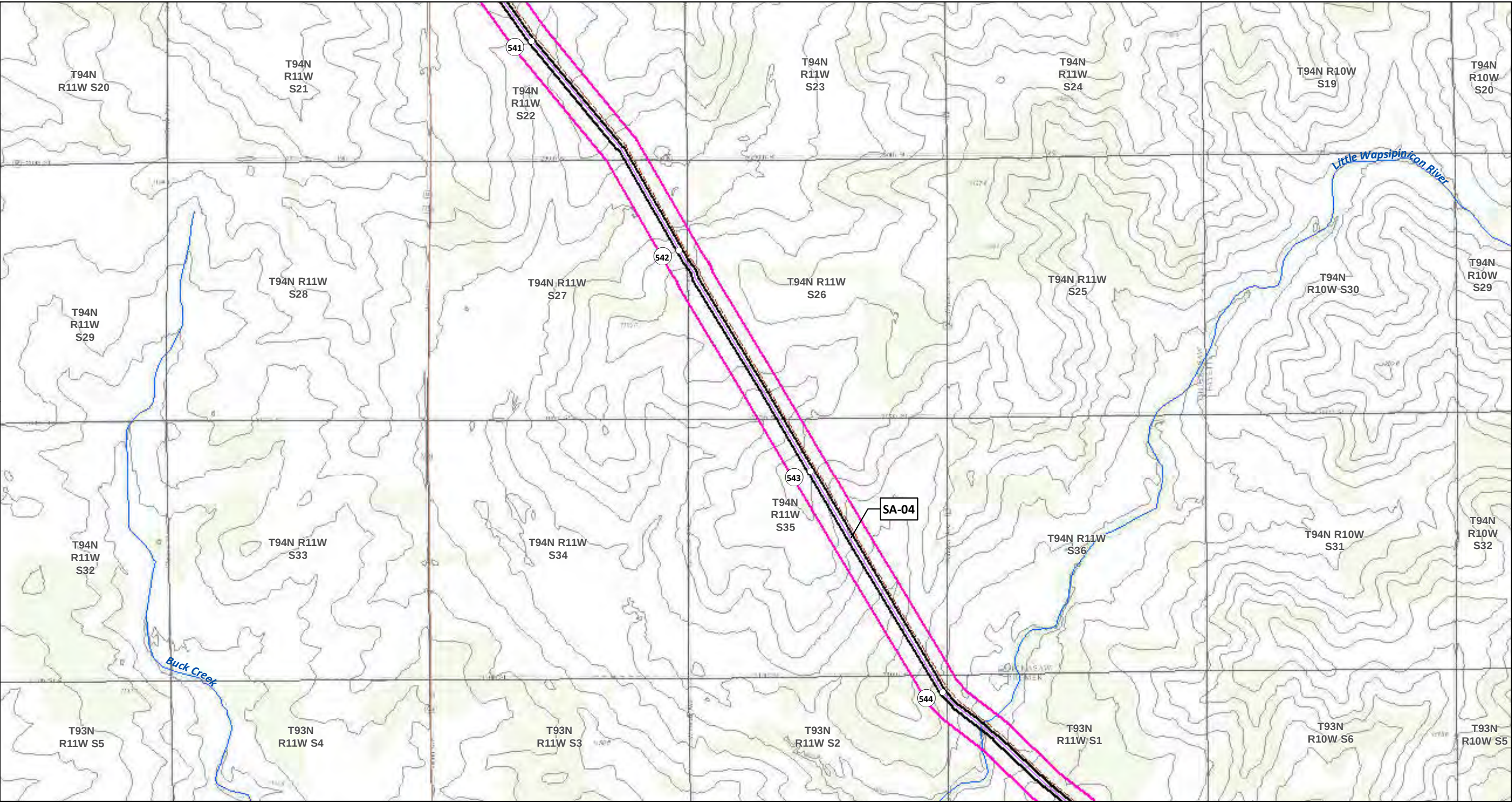
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Data Sources:
MNDNR, NHD,USGS, Enbridge

LINE 3 PROJECT
DETAILED MAP SET
AERIAL

SA-04

Map 140A of 188



SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

Existing Pipelines

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- Outstanding
- High
- Moderate

Native Plant Communities with Biodiversity Significance

- Outstanding
- High
- Moderate

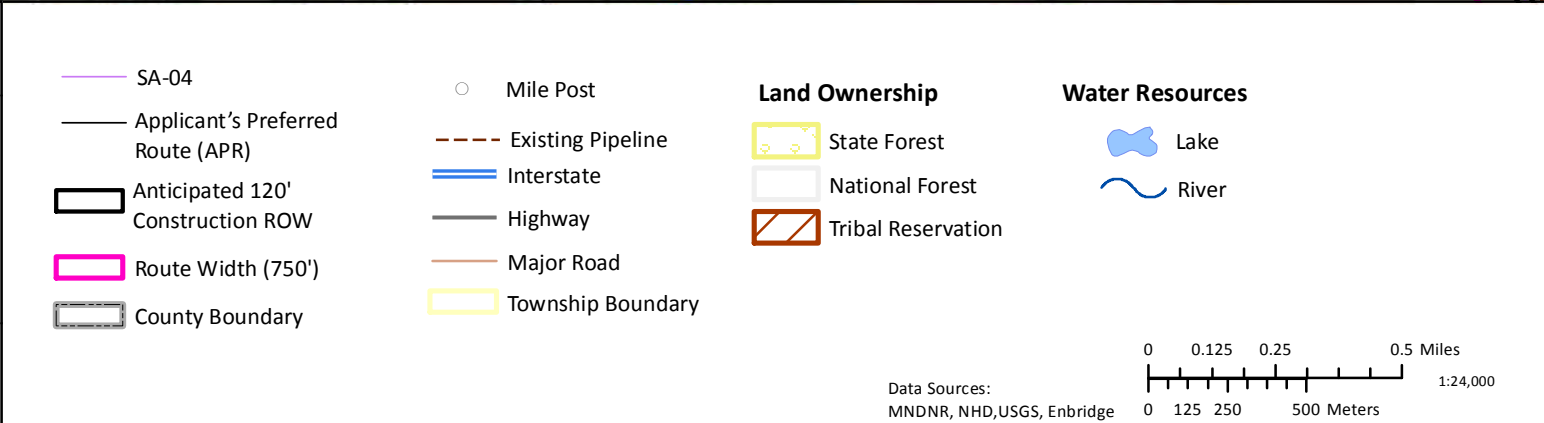
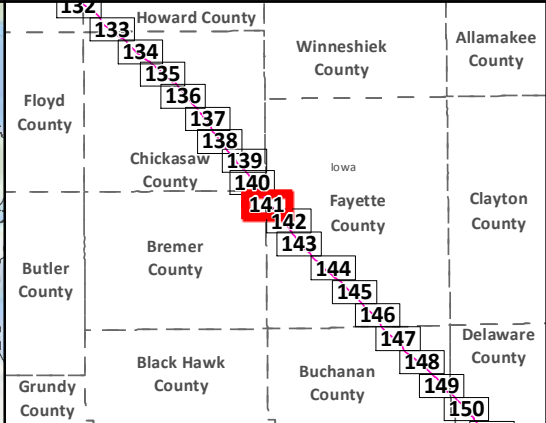
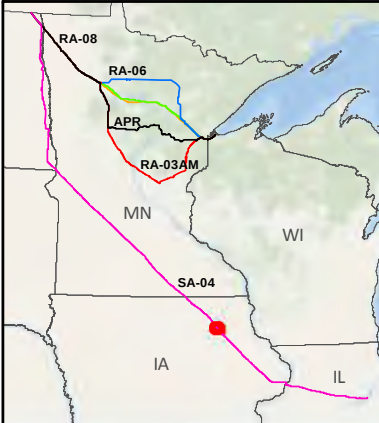
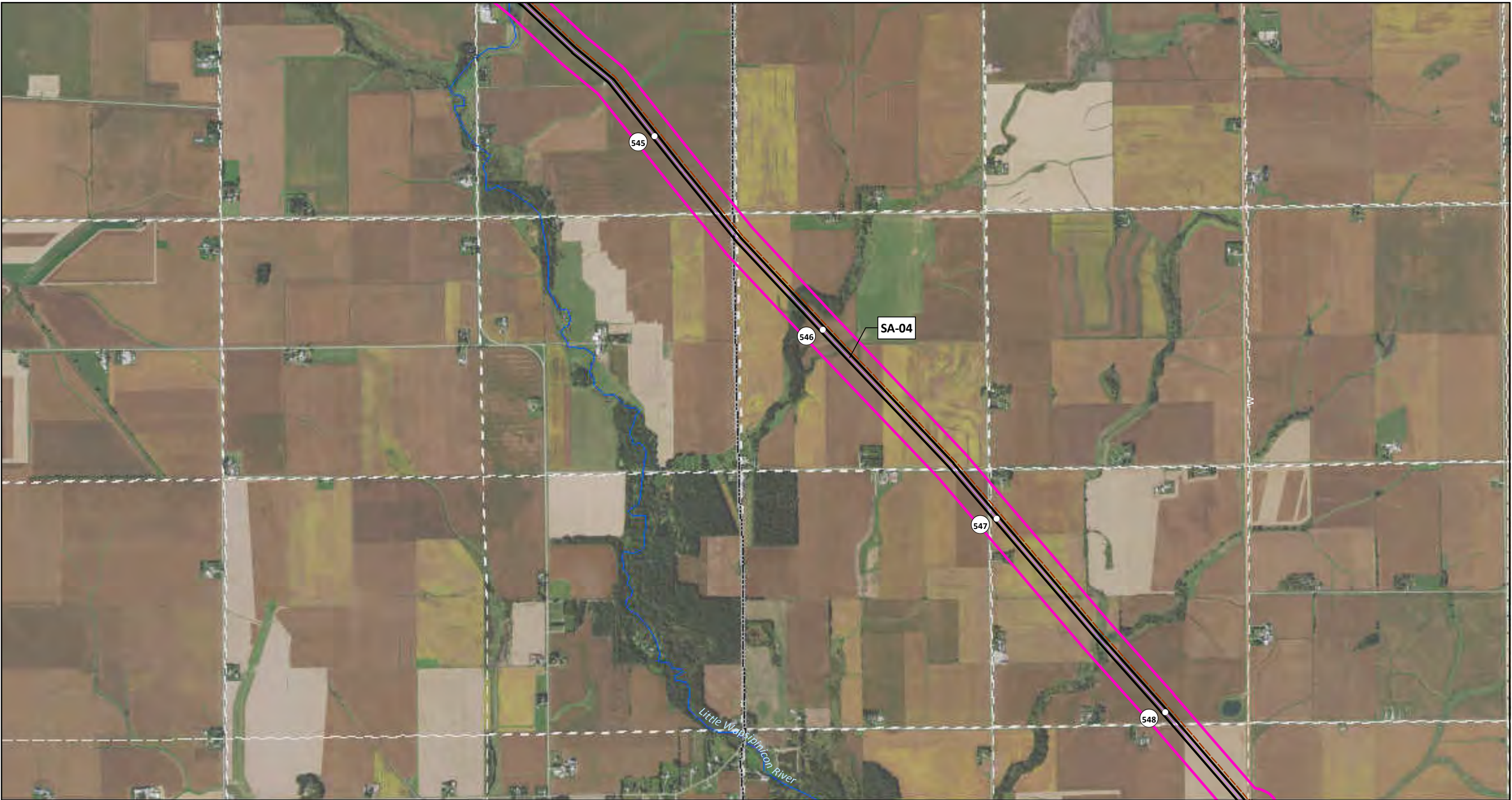
Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

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0 125 250 500 Meters 1:24,000
10ft Contours

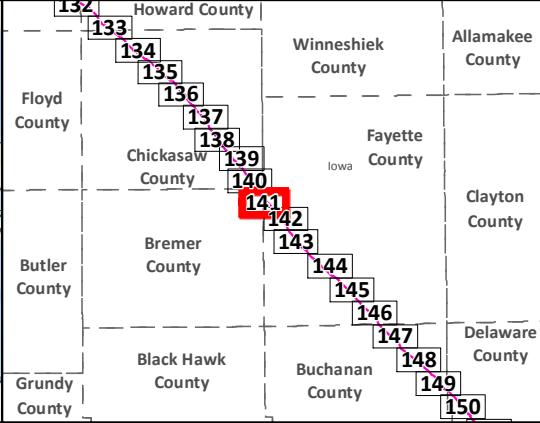
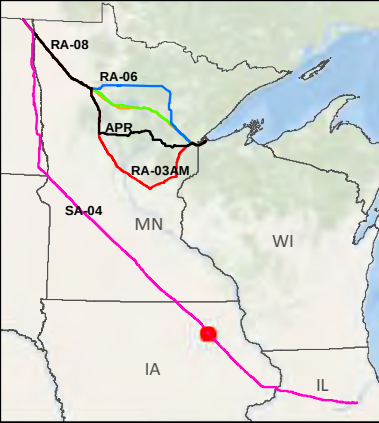
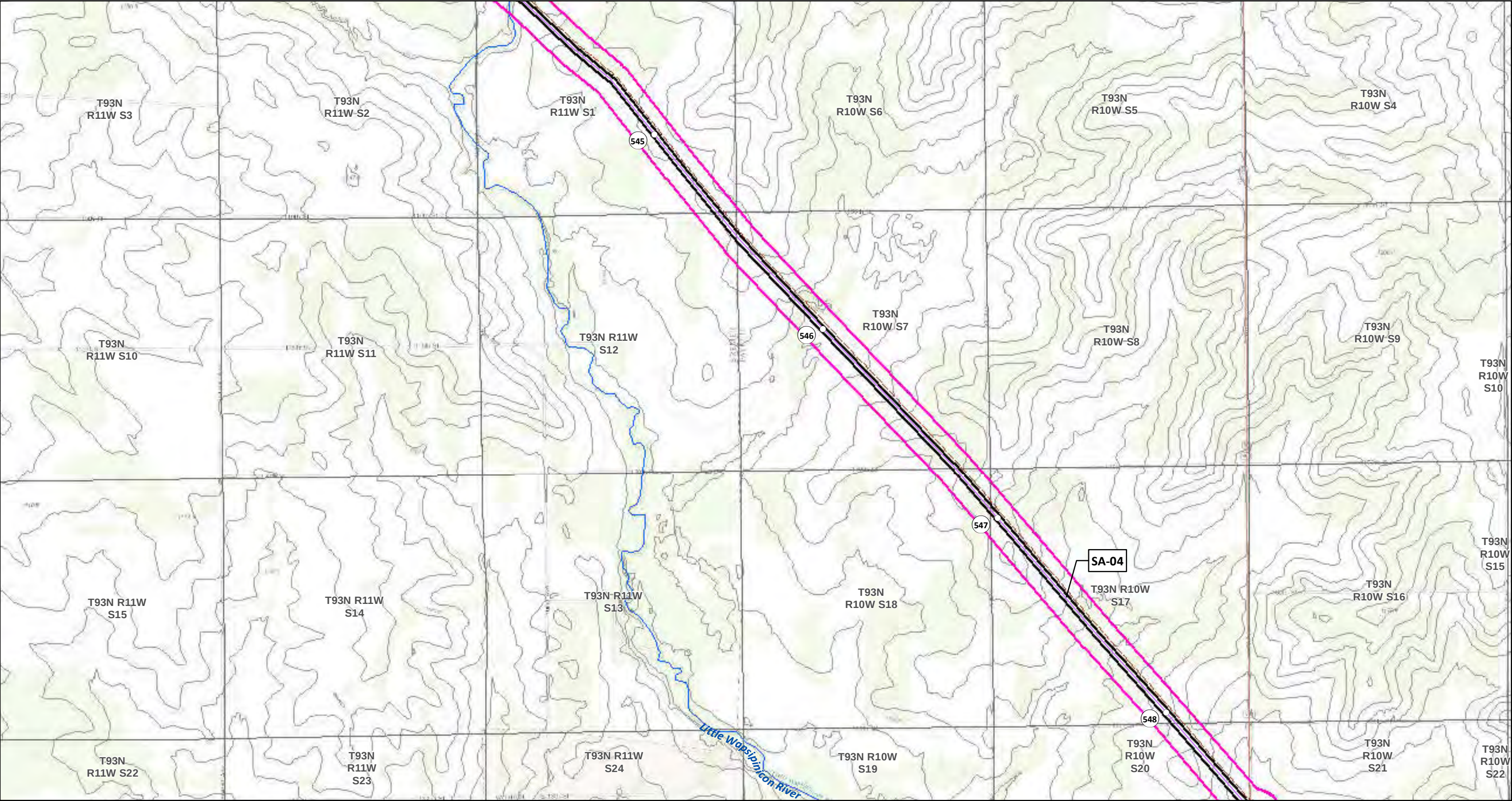
Map 140B of 188



**LINE 3 PROJECT
DETAILED MAP SET
AERIAL**

SA-04

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SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

Existing Pipelines

Township Boundary

State Managed Lands

- WMA - Wildlife Management Areas
- Wildlife Refuge Inventory
- SNA - Scientific and Natural Area

Water Resources

- Navigable Waterway Crossings
- National River Inventory Crossing

Public Waters Watercourse

303d Impaired Waters

Designated Trout Stream

Calcareous Fens

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Public Water Basin

Public Drinking Water Supply

Wellhead Protection Area (WHPA)

Lakes of Biological Significance

- Outstanding
- High
- Moderate

Native Plant Communities with Biodiversity Significance

- Outstanding
- High
- Moderate

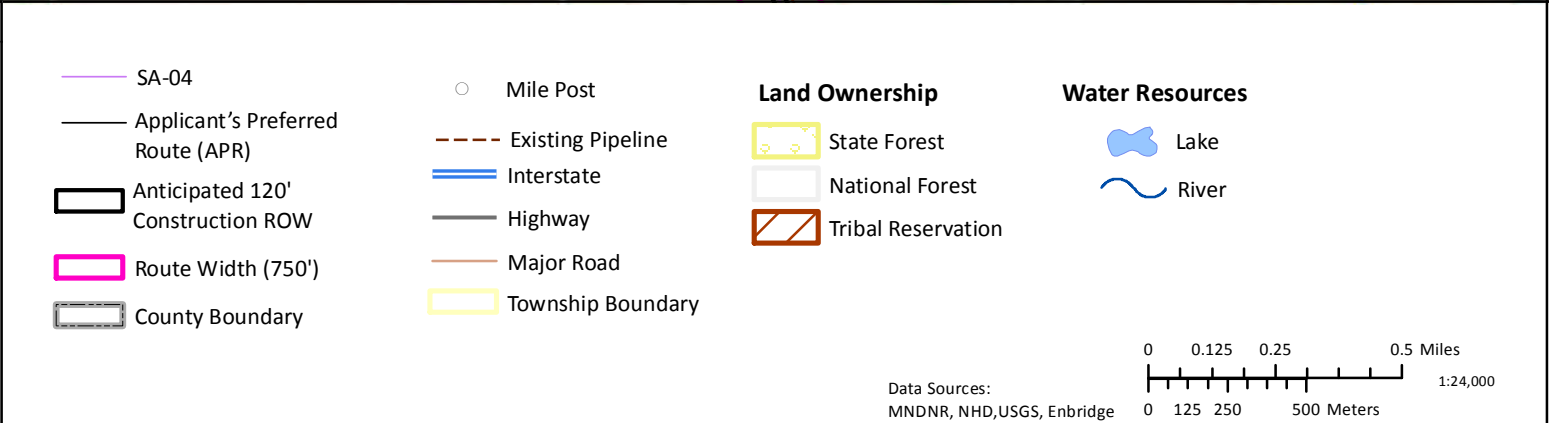
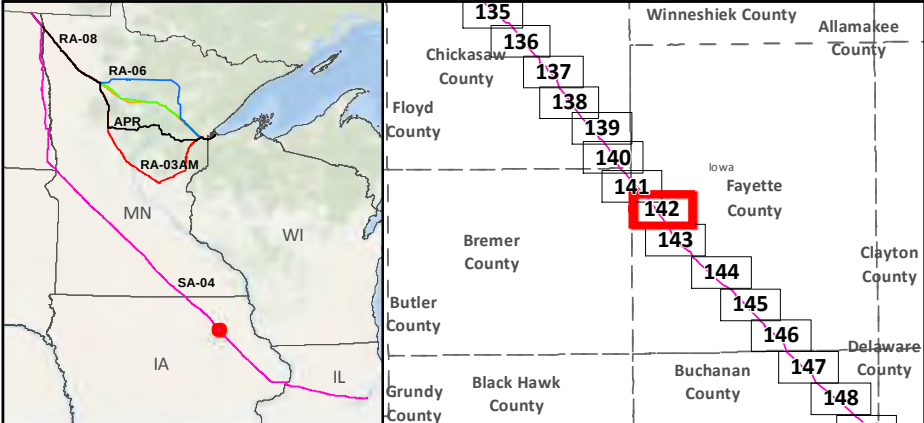
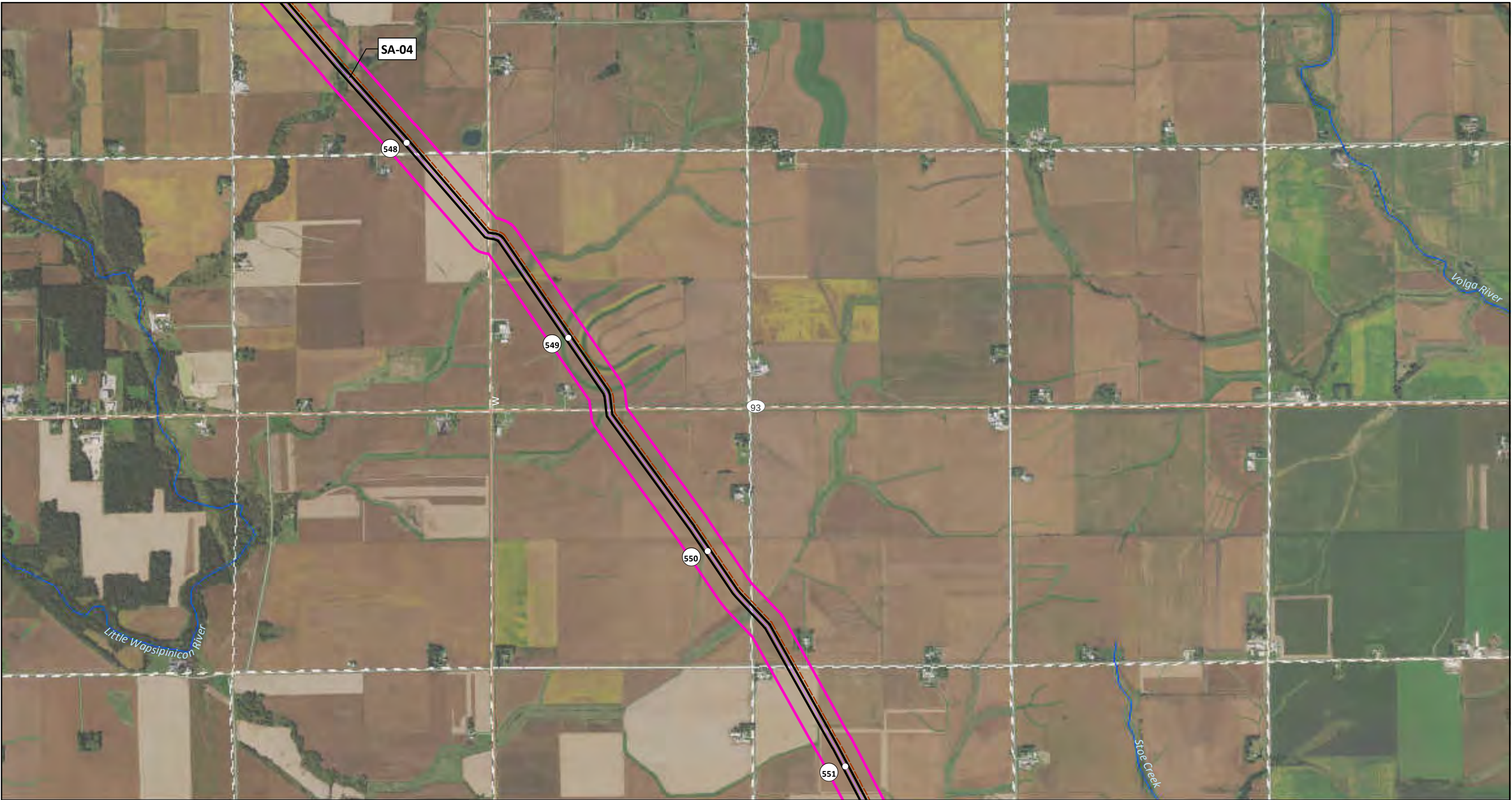
Data Sources: MNDNR, USGS, NHD, Enbridge

LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC

SA-04

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10ft Contours

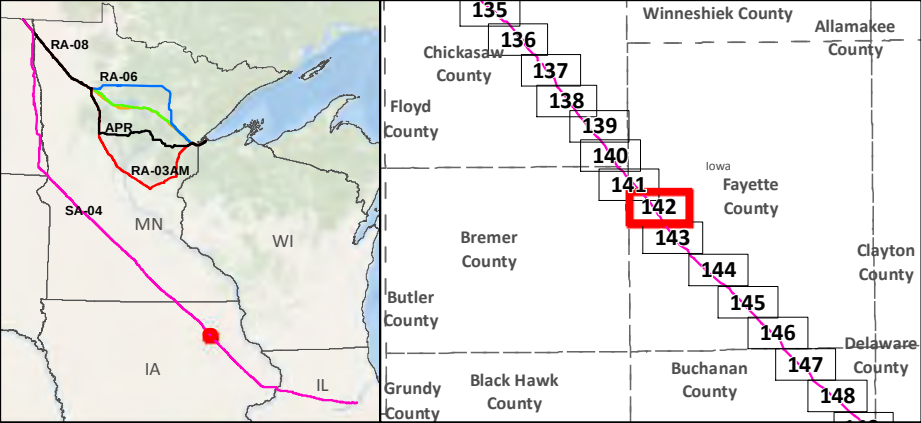
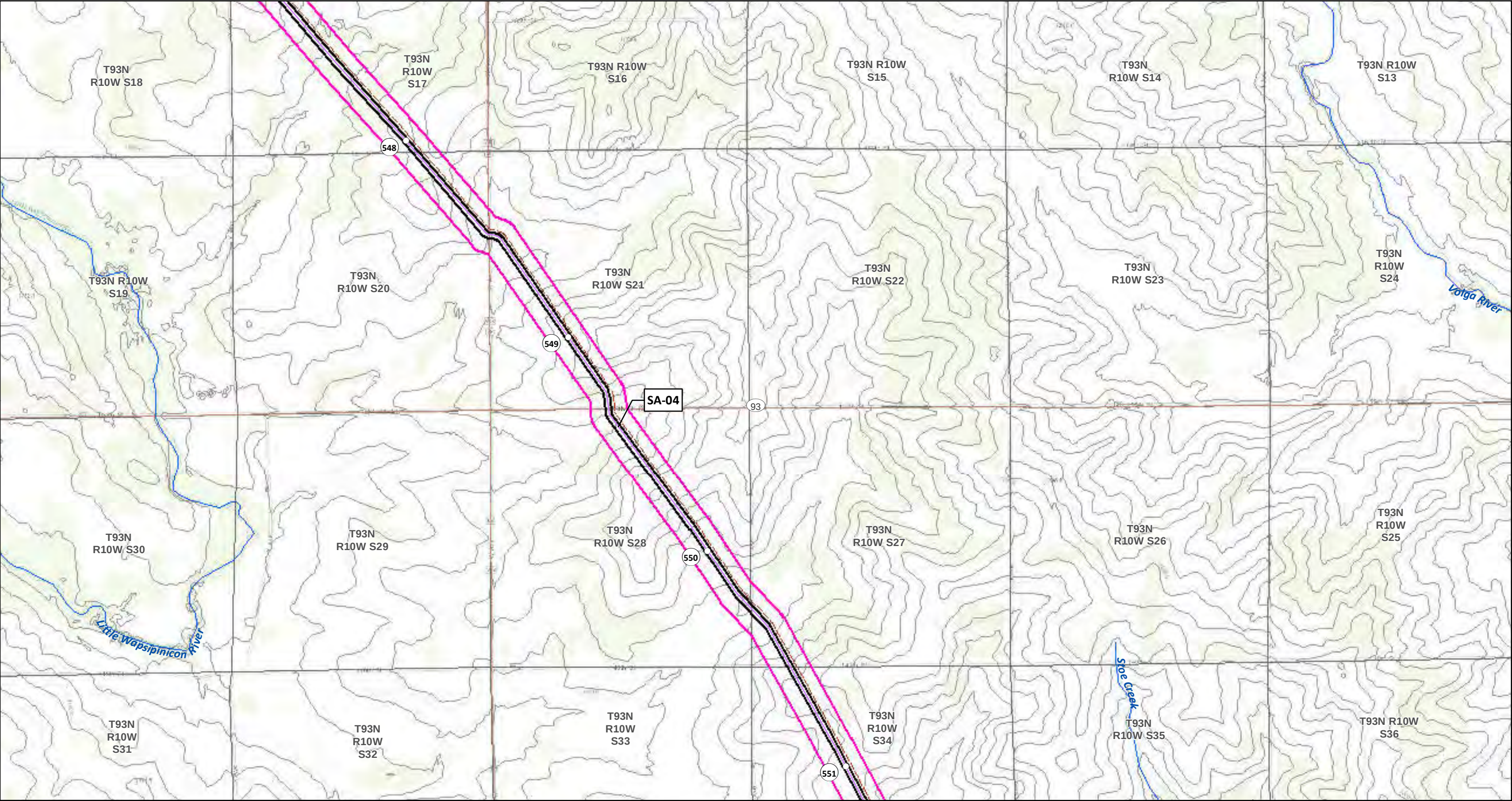
Map 141B of 188



**LINE 3 PROJECT
DETAILED MAP SET
AERIAL**

SA-04

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135 136 137 138 139 140 141 142 143 144 145 146 147 148

Winneshek County Allamakee County

Chickasaw County Floyd County

Bremer County

Butler County

Clayton County

Black Hawk County

Buchanan County

Delaware County

Grundy County

SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
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- RA-07
- RA-08

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Anticipated 120' Construction ROW

Route Width (750')

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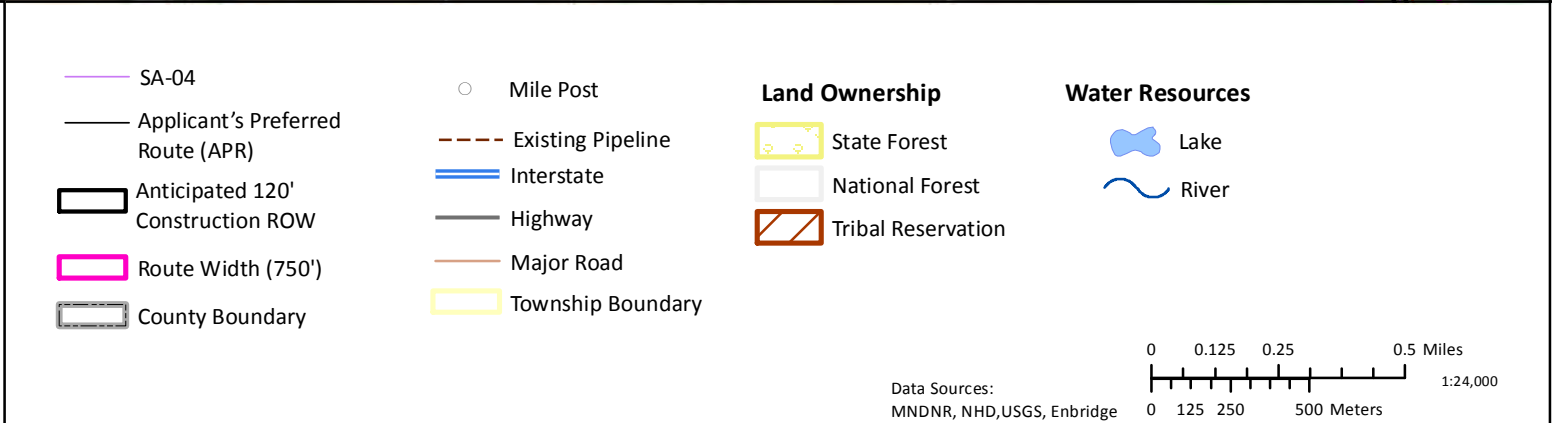
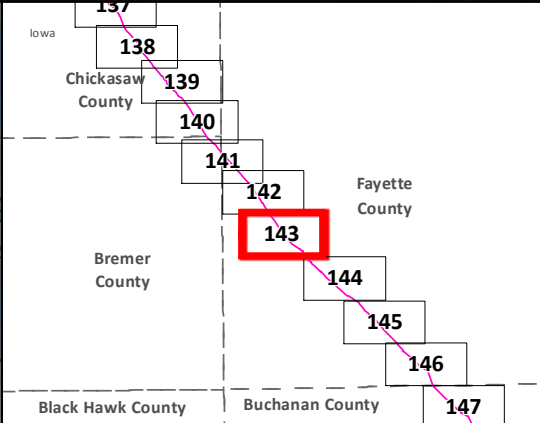
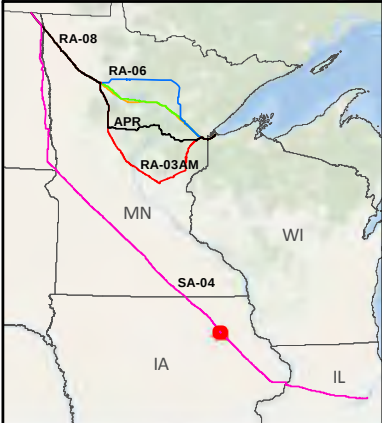
Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

0 0.125 0.25 0.5 Miles
0 125 250 500 Meters
1:24,000
10ft Contours

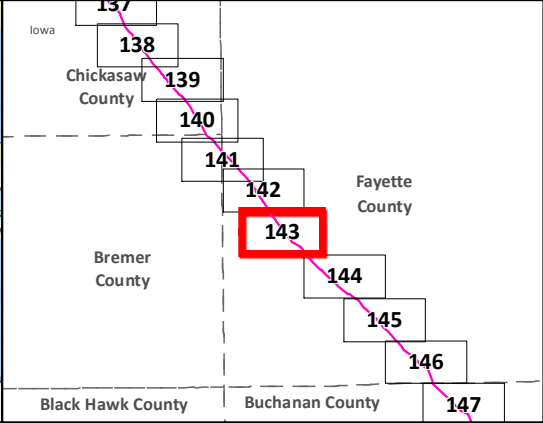
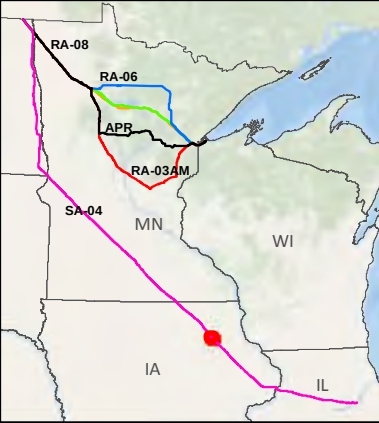
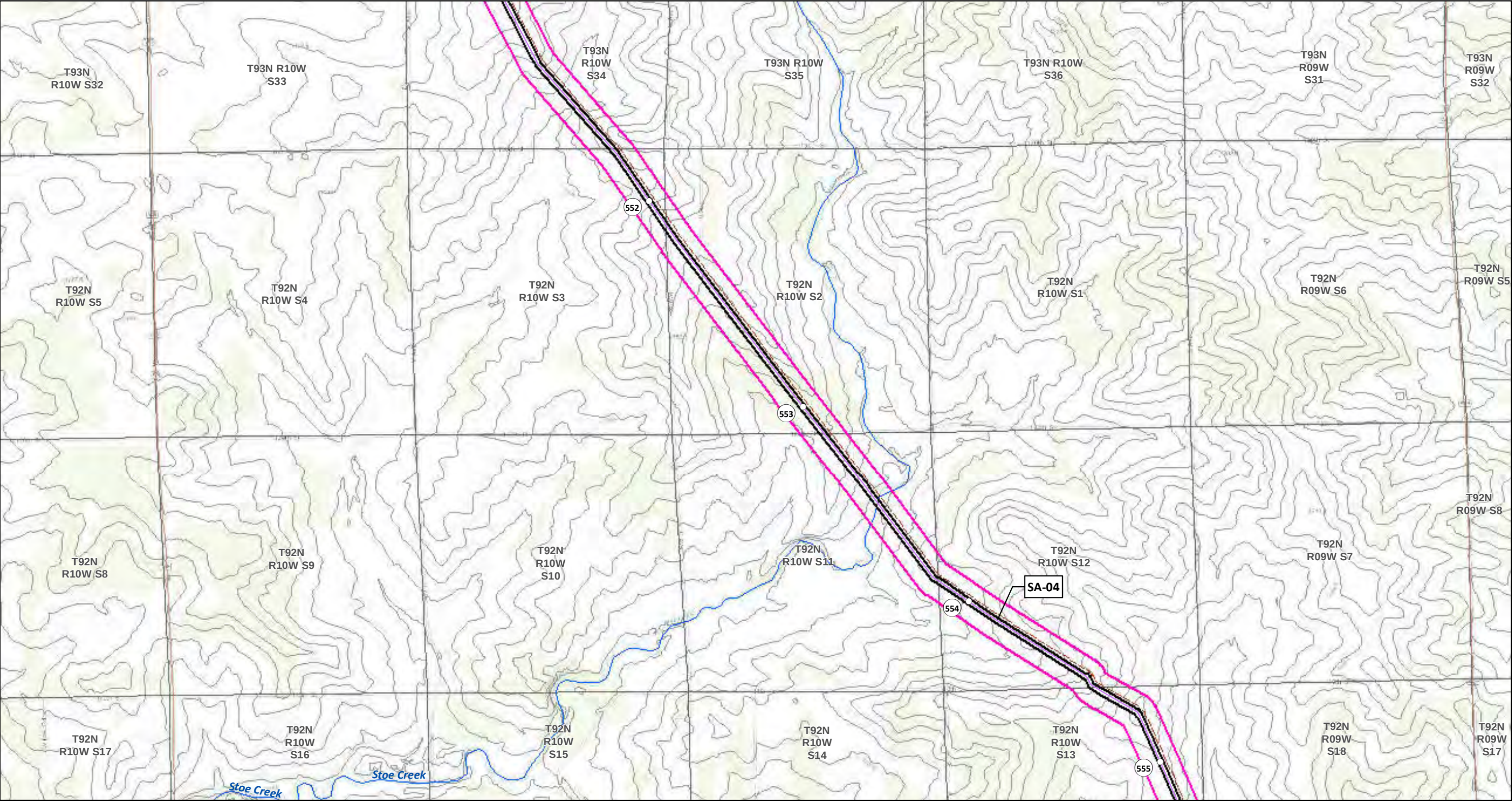
Map 142B of 188



**LINE 3 PROJECT
DETAILED MAP SET
AERIAL**

SA-04

Map 143A of 188



SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

Existing Pipelines

Township Boundary

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Lakes of Biological Significance

- Outstanding
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Native Plant Communities with Biodiversity Significance

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- High
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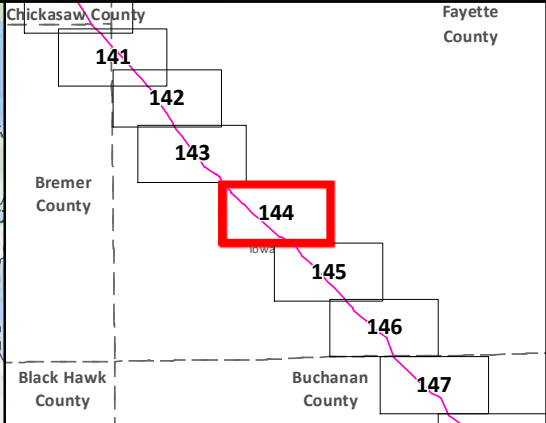
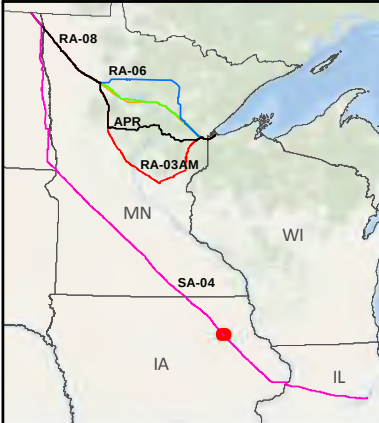
Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

0 0.125 0.25 0.5 Miles
0 125 250 500 Meters 1:24,000
10ft Contours

Map 143B of 188



SA-04

Applicant's Preferred Route (APR)

Anticipated 120' Construction ROW

Route Width (750')

County Boundary

Mile Post

Existing Pipeline

Interstate

Highway

Major Road

Township Boundary

Land Ownership

State Forest

National Forest

Tribal Reservation

Water Resources

Lake

River

Data Sources:
MNDNR, NHD,USGS, Enbridge

00.1250.250.5

Miles

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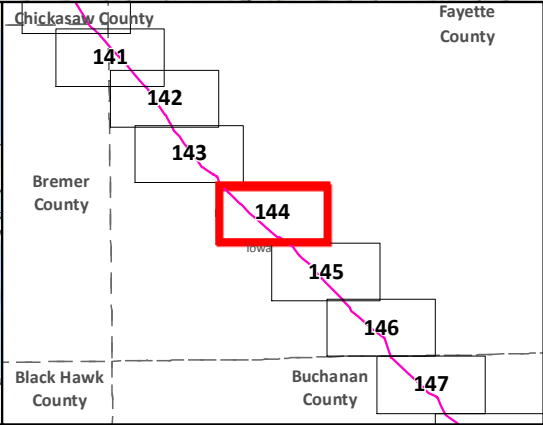
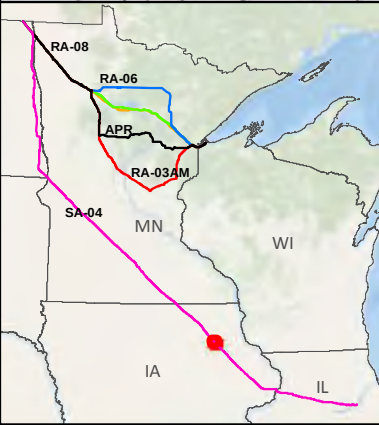
Meters

1:24,000

LINE 3 PROJECT
DETAILED MAP SET
AERIAL

SA-04

Map 144A of 188



SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

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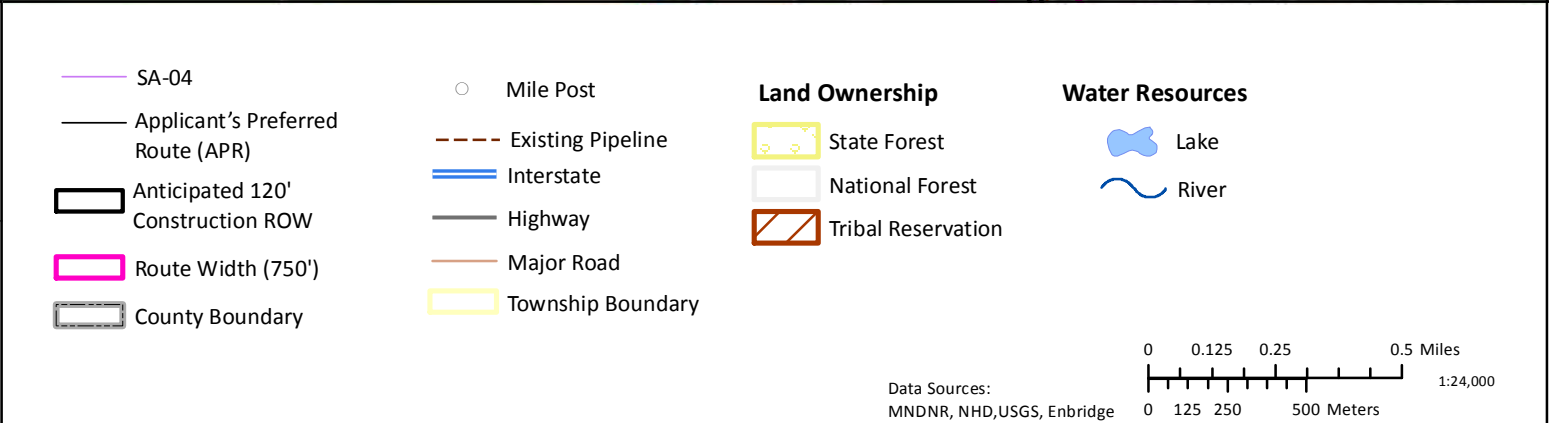
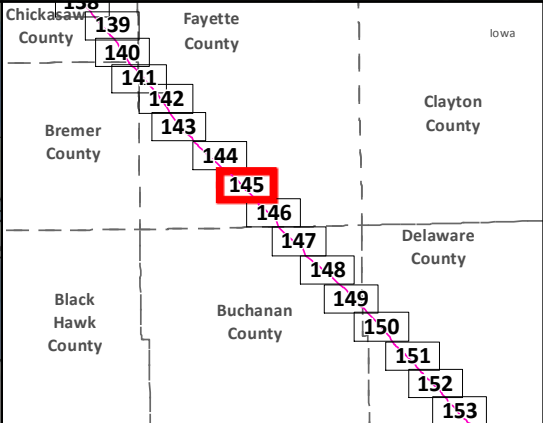
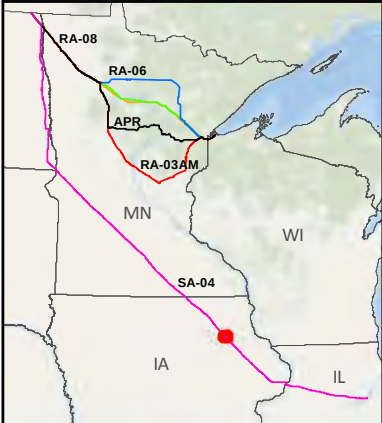
Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

0 0.125 0.25 0.5 Miles
0 125 250 500 Meters
1:24,000
10ft Contours

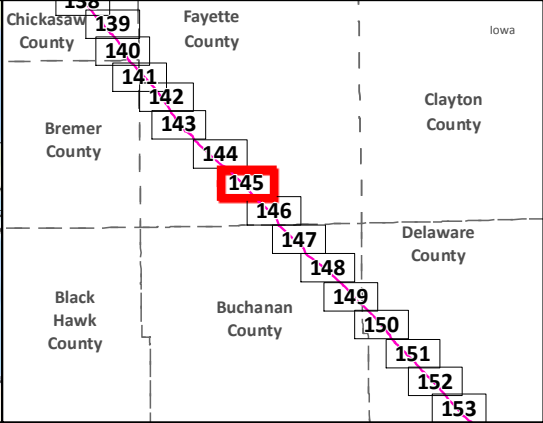
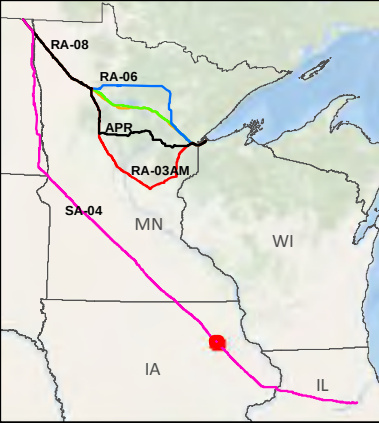
Map 144B of 188



**LINE 3 PROJECT
DETAILED MAP SET
AERIAL**

SA-04

Map 145A of 188



SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

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- High
- Moderate

Data Sources: MNDNR, USGS, NHD, Enbridge

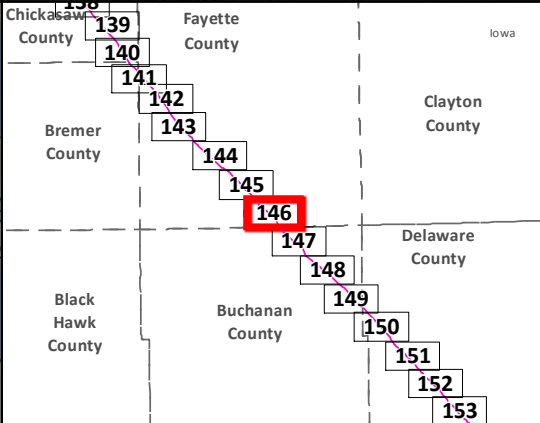
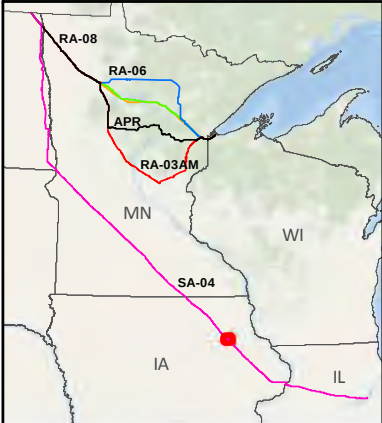
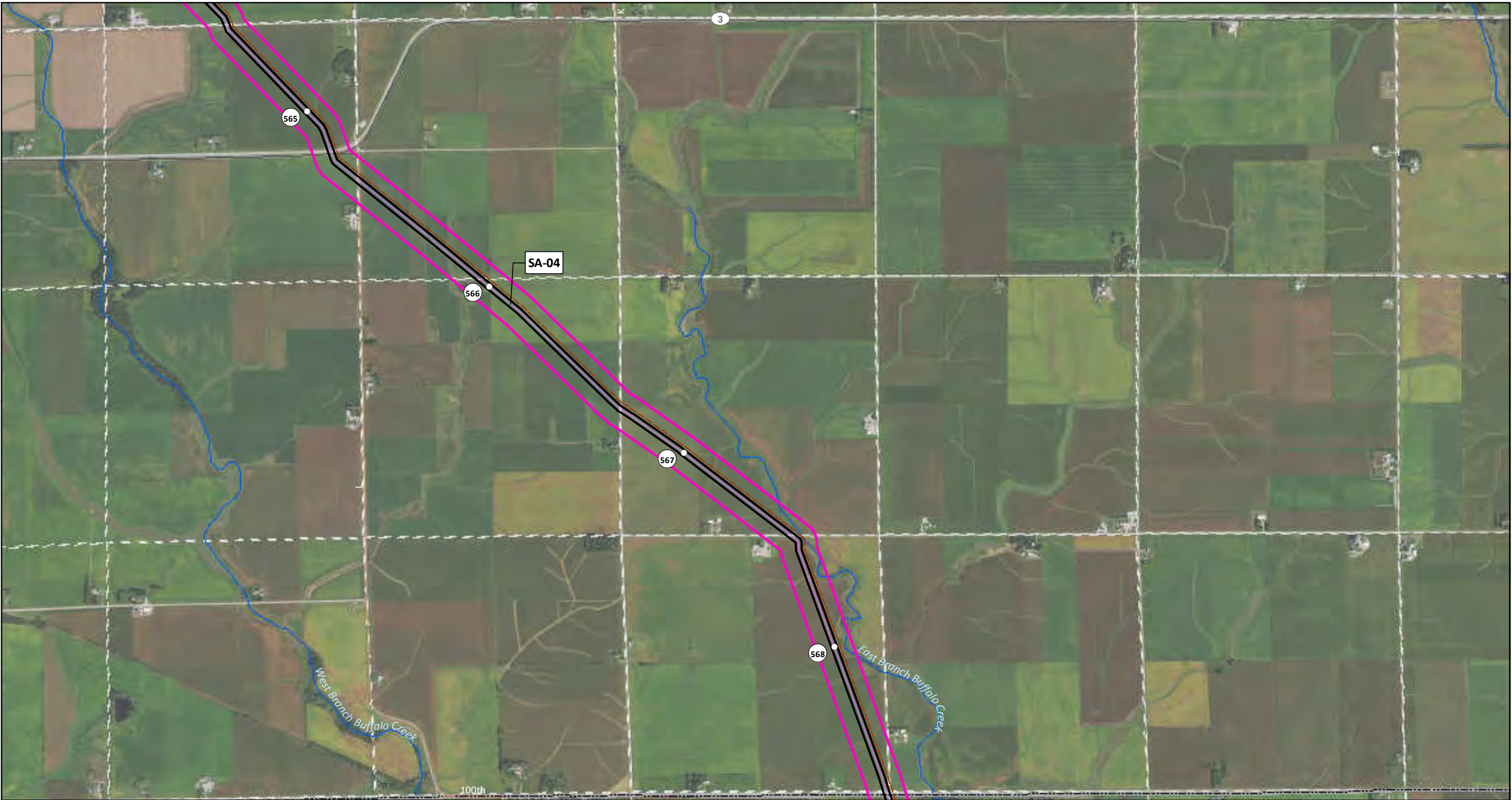
**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

0 0.125 0.25 0.5 Miles
0 125 250 500 Meters 1:24,000
10ft Contours

Map 145B of 188

North Arrow



SA-04

Applicant's Preferred Route (APR)

Anticipated 120' Construction ROW

Route Width (750')

County Boundary

Mile Post

Existing Pipeline

Interstate

Highway

Major Road

Township Boundary

Land Ownership

State Forest

National Forest

Tribal Reservation

Water Resources

Lake

River

Data Sources:
MNDNR, NHD, USGS, Enbridge

0 0.125 0.25 0.5 Miles

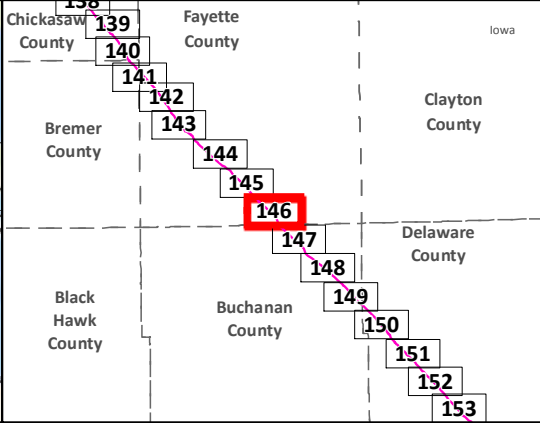
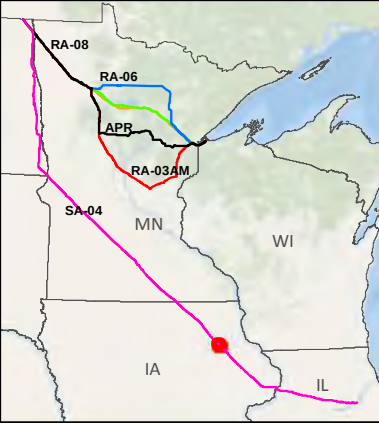
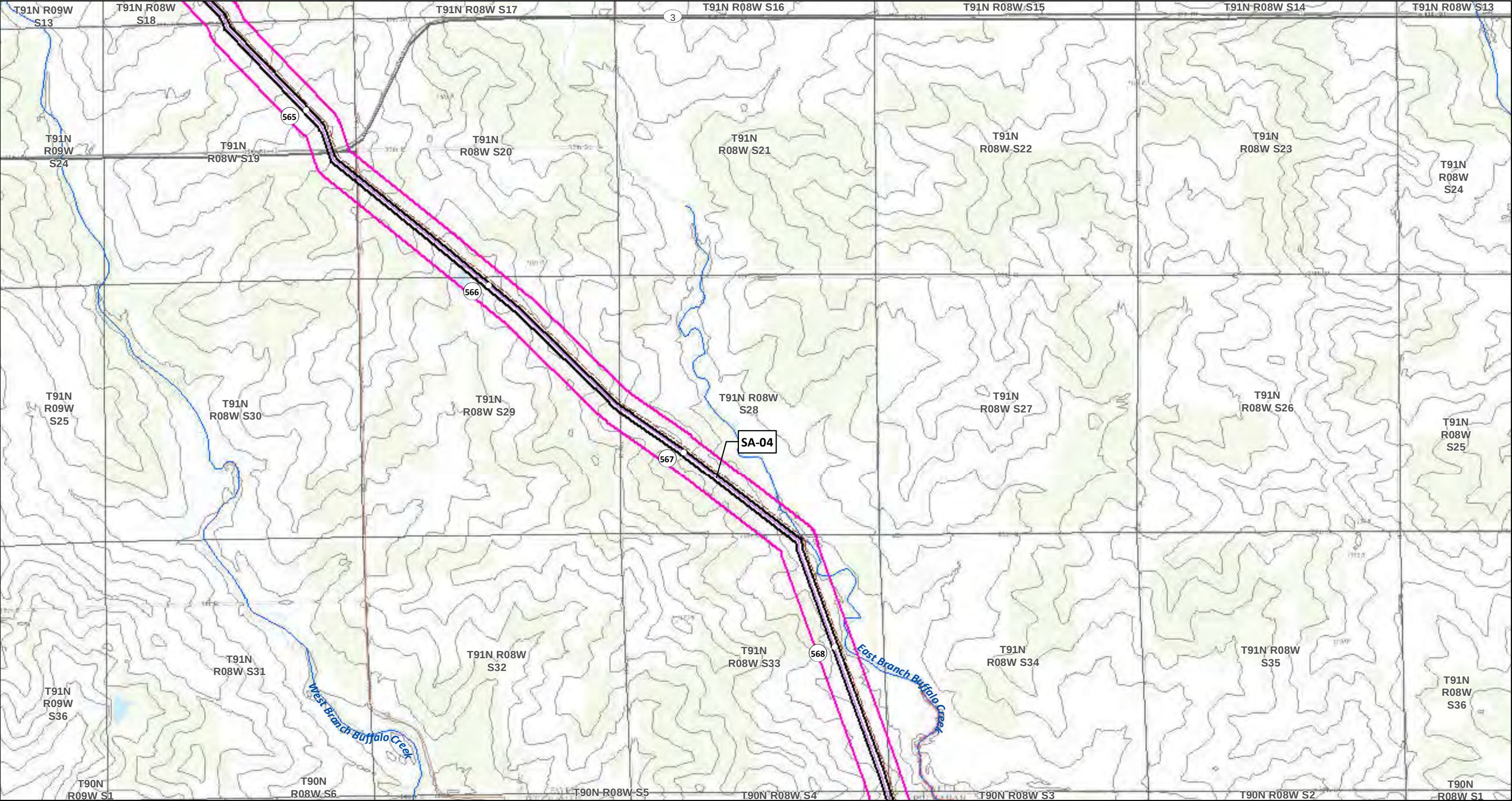
0 125 250 500 Meters

1:24,000

LINE 3 PROJECT
DETAILED MAP SET
AERIAL

SA-04

Map 146A of 188



SA-04

Applicant's Preferred Route (APR)

Route Alternatives

- RA-03AM
- RA-06
- RA-07
- RA-08

Mile Post

Anticipated 120' Construction ROW

Route Width (750')

Existing Pipelines

Township Boundary

State Managed Lands

- WMA - Wildlife Management Areas
- Wildlife Refuge Inventory
- SNA - Scientific and Natural Area

Water Resources

- Navigable Waterway Crossings
- National River Inventory Crossing

Public Waters Watercourse

303d Impaired Waters

Designated Trout Stream

Calcareous Fens

Wild Rice Lakes (DNR)

Public Waters Wetlands

Public Water Basin

Public Drinking Water Supply

Wellhead Protection Area (WHPA)

Lakes of Biological Significance

- Outstanding
- High
- Moderate

Native Plant Communities with Biodiversity Significance

- Outstanding
- High
- Moderate

Data Sources: MNDNR, USGS, NHD, Enbridge

**LINE 3 PROJECT
DETAILED MAP SET
TOPOGRAPHIC**

SA-04

0 0.125 0.25 0.5 Miles
0 125 250 500 Meters 1:24,000
10ft Contours

Map 146B of 188