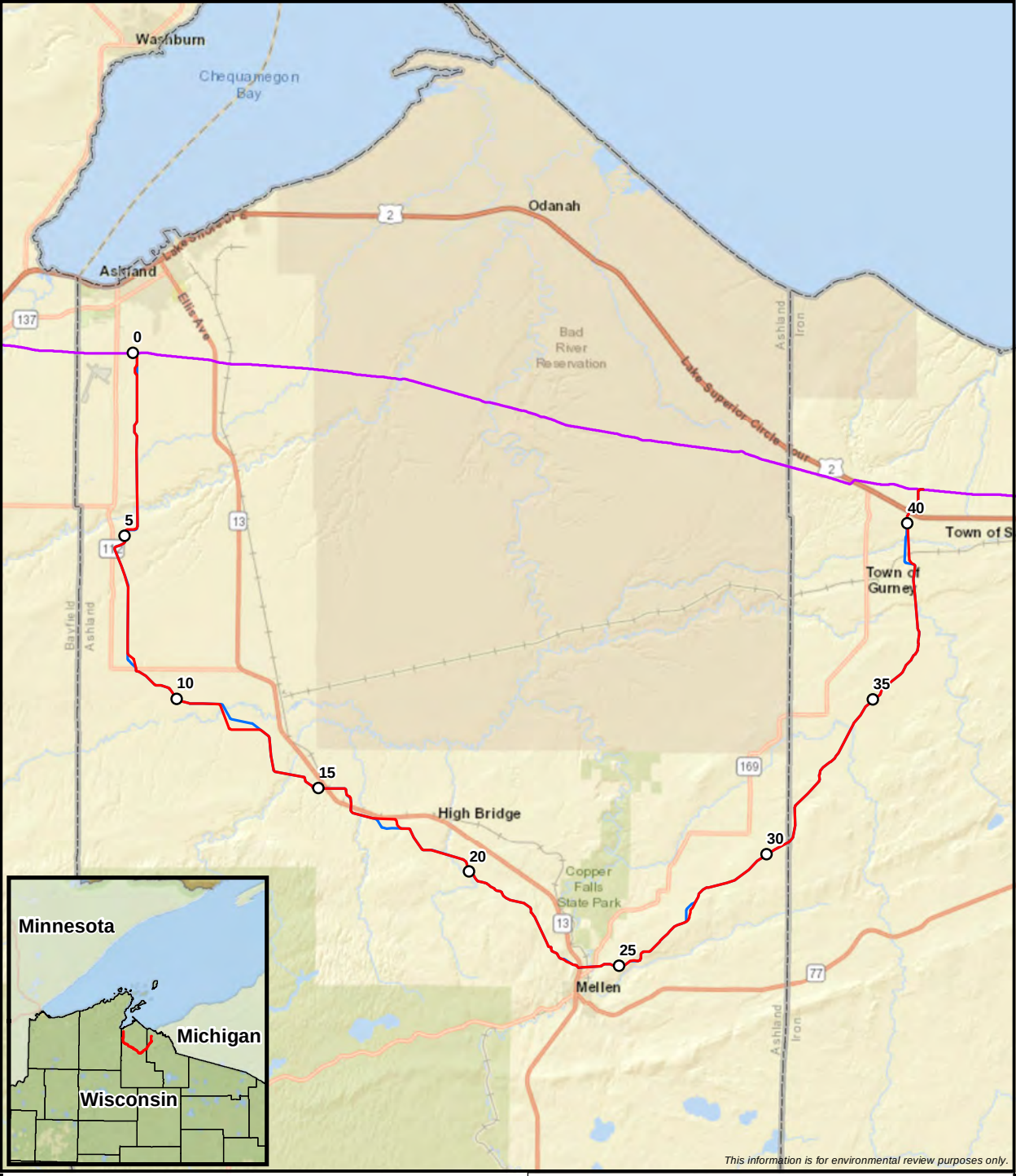



Existing Enbridge Pipeline
Proposed Centerline (July 31st, 2020)
Original Centerline (February 6th, 2020)

1:250,000

0 2 4 Miles

Page 1 of 7

# Minor Route Adjustment Comparison

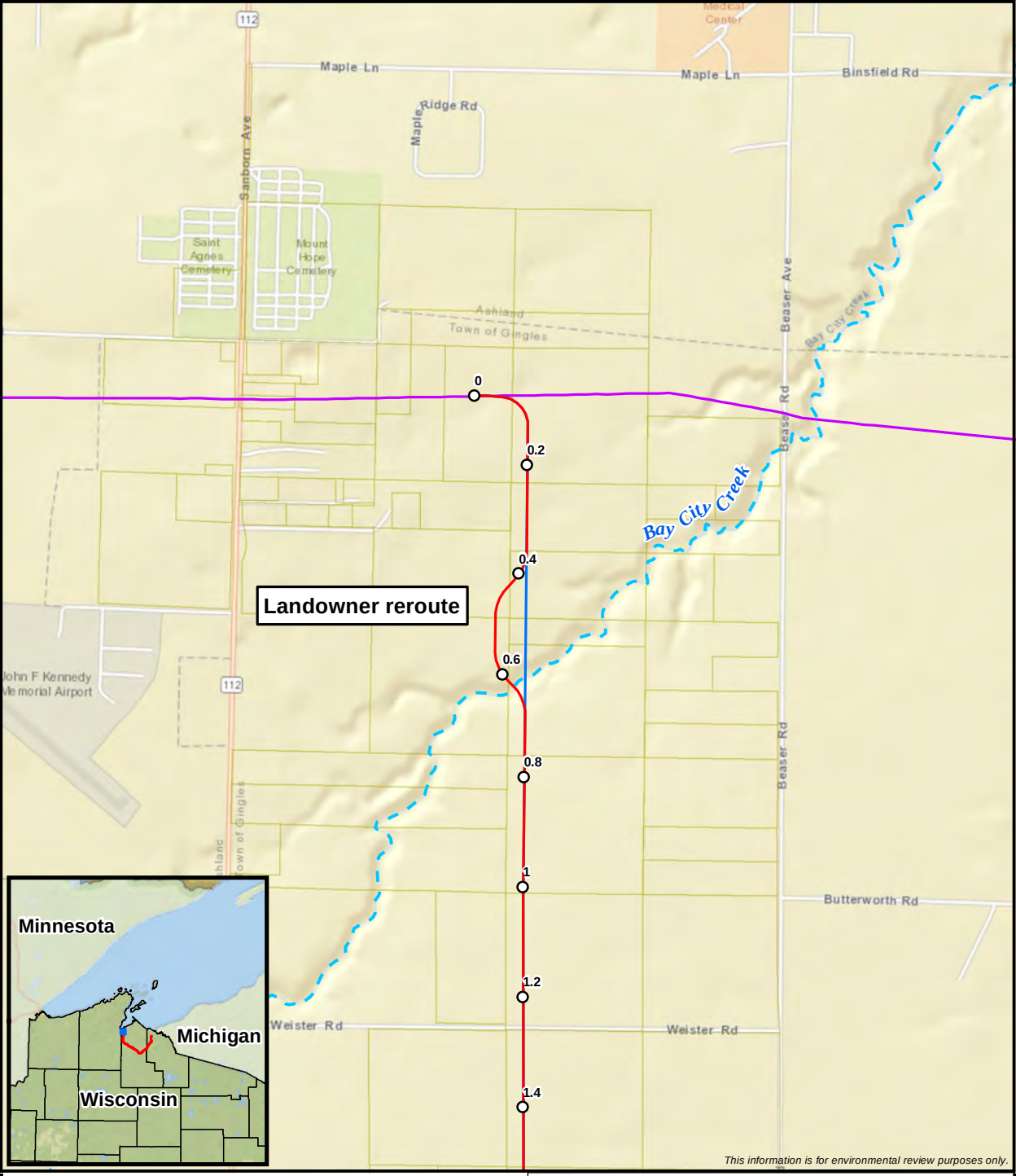
## Line 5 Wisconsin Segment Relocation Project

Enbridge Energy, L.P.

ENBRIDGE

ERM

MPLS M:\Clients\D-F\EEL\BadRiver_ArcGIS\2020\07\Supplemental_Filing\Alternatives_Route_Alt_Pref_Overview_p1_.mxd | REVISED: 07/29/2020 | SCALE: 1:250,000 DRAWN BY: EKP




Existing Enbridge Pipeline
Proposed Centerline (July 31st, 2020)
Original Centerline (February 6th, 2020)
NHD Flowline
Parcel Boundary

1:18,000

0 1,000 2,000 Feet

Page 2 of 7

**Route Adjustment #1**
**Minor Route Adjustment Comparison**
**Line 5 Wisconsin Segment Relocation Project**
Enbridge Energy, L.P.

ENBRIDGE

ERM

MPLS M:\Clients\D-F\EEL\BadRiver_ArcGIS\2020\07\Supplemental_Filing\Alternatives_Route_Alt_Pref_Overview.mxd | REVISED: 07/29/2020 | SCALE: 1:18,000 DRAWN BY: EKP

Proposed Centerline (July 31st, 2020)
Original Centerline (February 6th, 2020)
Parcel Boundary

1:18,000

0 1,000 2,000 Feet

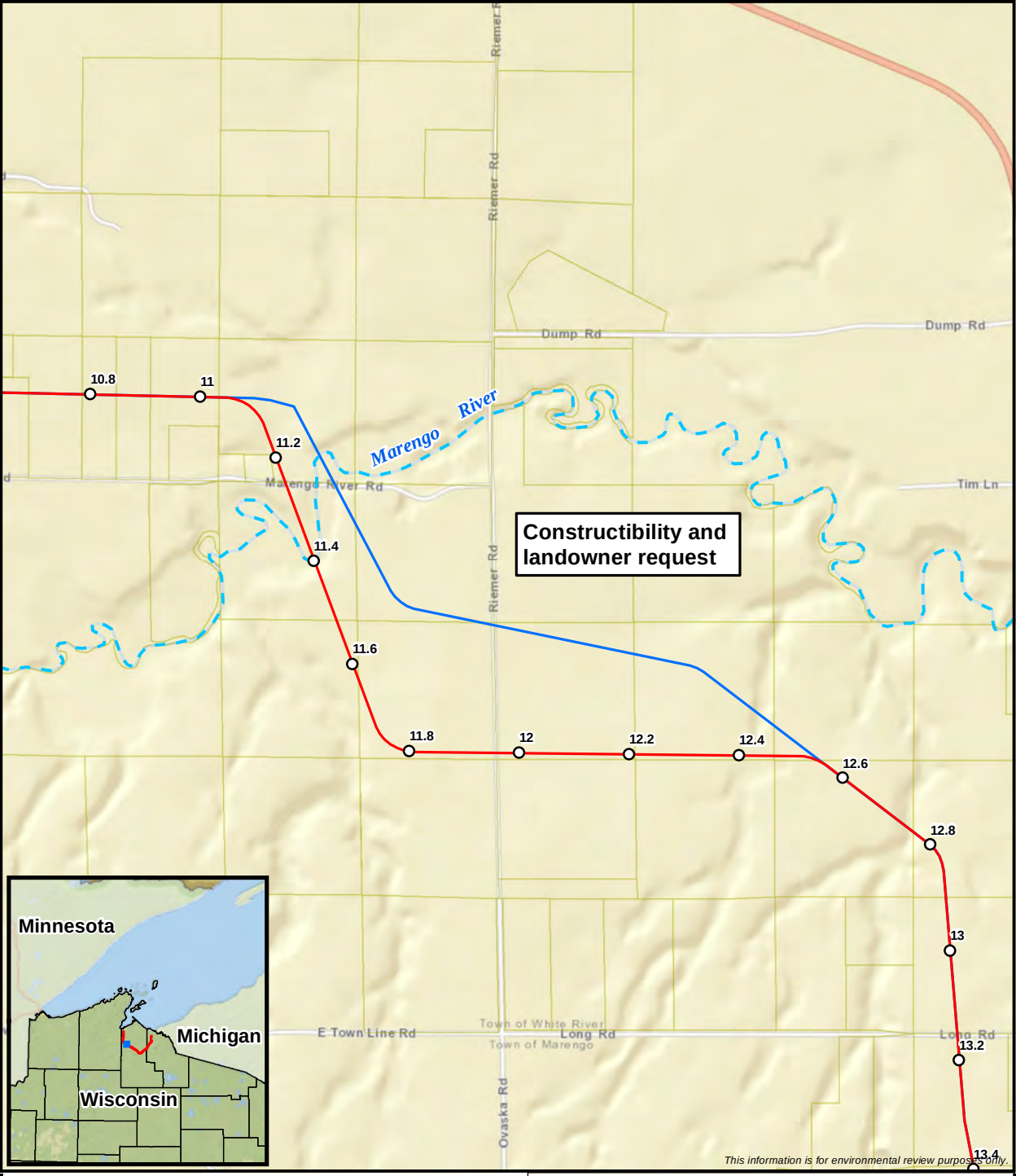


# Route Adjustment #2
## Minor Route Adjustment Comparison
## Line 5 Wisconsin Segment Relocation Project

Enbridge Energy, L.P.

ENBRIDGE

ERM




Proposed Centerline (July 31st, 2020)
Original Centerline (February 6th, 2020)
NHD Flowline
Parcel Boundary

1:18,000

0 1,000 2,000 Feet



# Route Adjustment #3
## Minor Route Adjustment Comparison
## Line 5 Wisconsin Segment Relocation Project

Enbridge Energy, L.P.

ENBRIDGE

ERM

Proposed Centerline (July 31st, 2020)
Original Centerline (February 6th, 2020)
NHD Flowline
Parcel Boundary

1:18,000

0 1,000 2,000 Feet

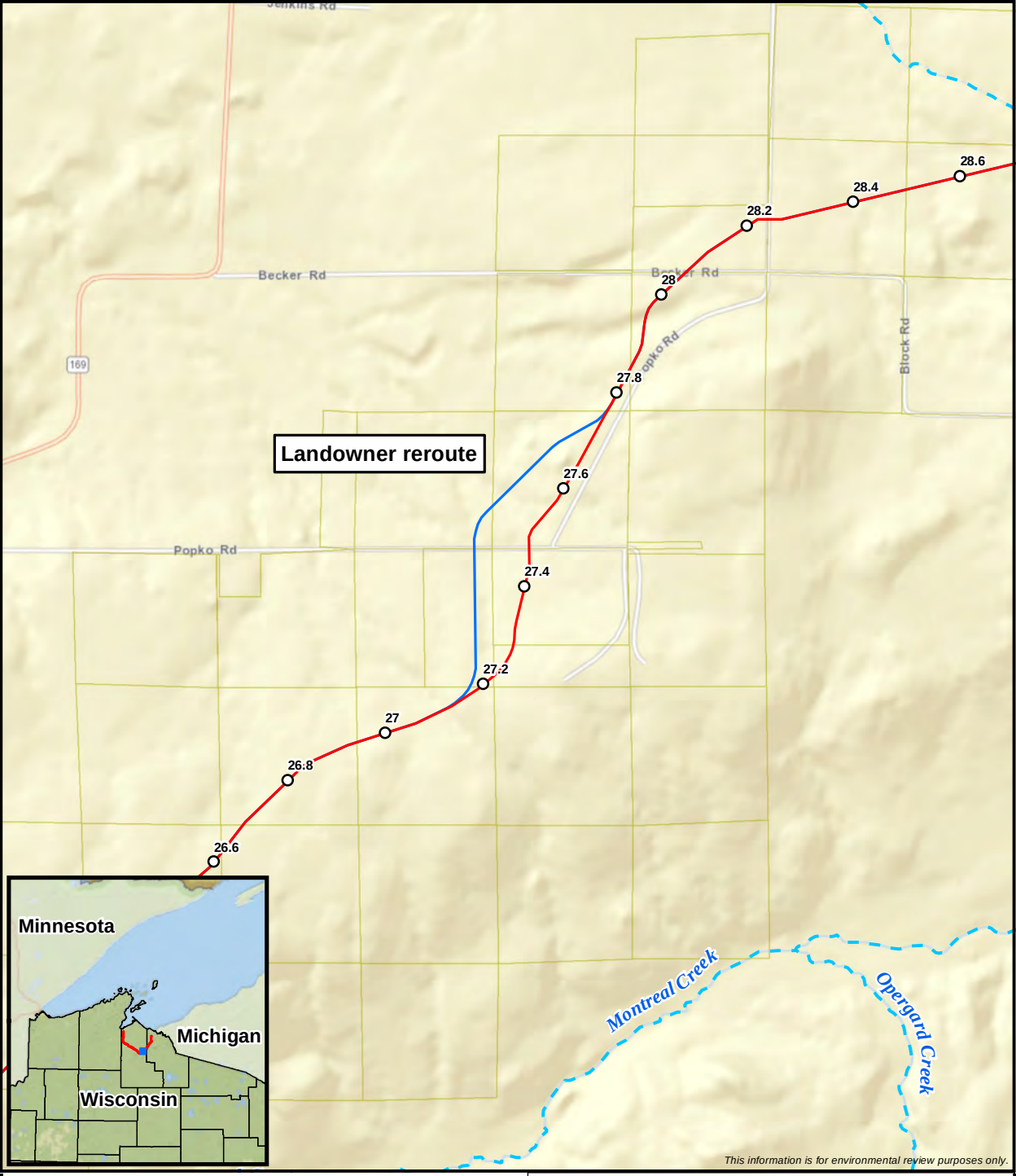
Page 5 of 7

**Route Adjustment #4**
**Minor Route Adjustment Comparison**
**Line 5 Wisconsin Segment Relocation Project**
Enbridge Energy, L.P.

ENBRIDGE

ERM

MPLS M:\Clients\D-F\EEL\BadRiver_ArcGIS\2020\07\Supplemental_Filing\Alternatives_Route_Alt_Pref_Overview.mxd | REVISED: 07/29/2020 | SCALE: 1:18,000 DRAWN BY: EKP




Proposed Centerline (July 31st, 2020)
Original Centerline (February 6th, 2020)
NHD Flowline
Parcel Boundary

1:18,000

0 1,000 2,000 Feet

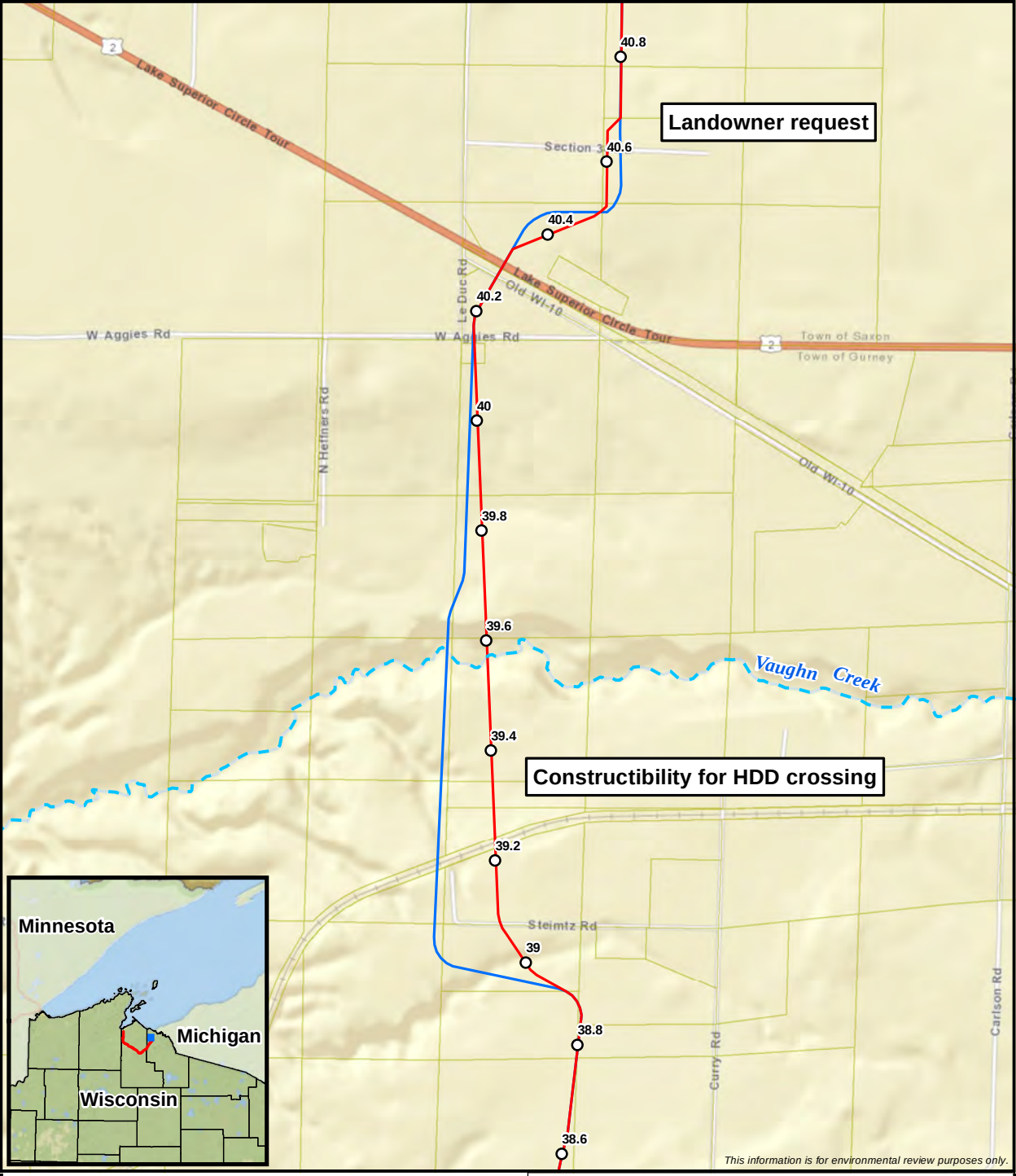


# Route Adjustment #5
## Minor Route Adjustment Comparison
## Line 5 Wisconsin Segment Relocation Project

Enbridge Energy, L.P.

ENBRIDGE

ERM




Proposed Centerline (July 31st, 2020)
Original Centerline (February 6th, 2020)
NHD Flowline
Parcel Boundary

1:18,000

0 1,000 2,000 Feet

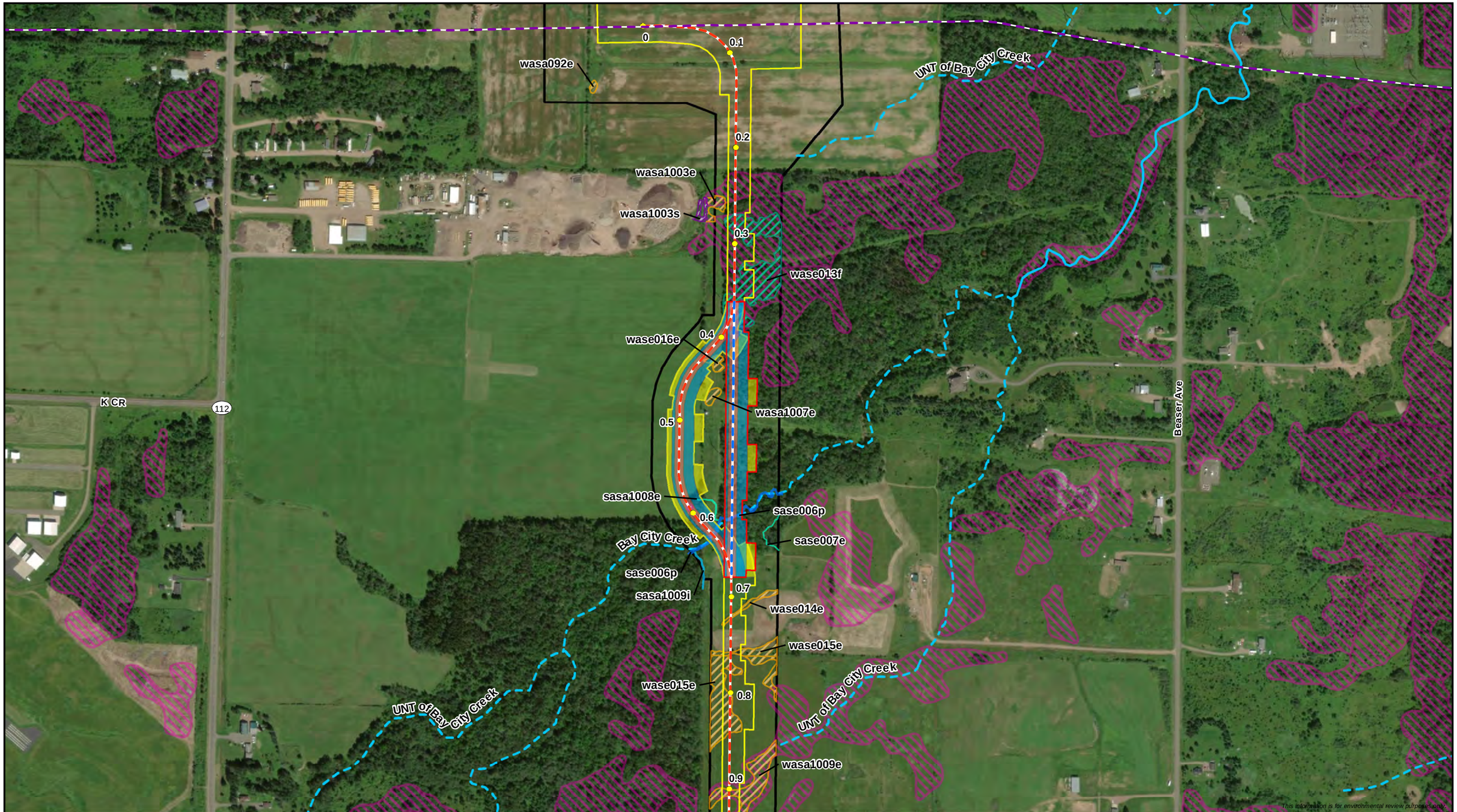
Page 7 of 7

**Route Adjustments #6 and #7**
**Minor Route Adjustment Comparison**
**Line 5 Wisconsin Segment Relocation Project**
Enbridge Energy, L.P.

ENBRIDGE

ERM

MPLS M:\Clients\D-F\EEL\BadRiver_ArcGIS\2020\07\Supplemental_Filing\Alternatives_Route_Alt_Pref_Overview.mxd | REVISED: 07/29/2020 | SCALE: 1:18,000 DRAWN BY: EKP



0 250 500
Feet
1:6,000

- Milepost
- Existing Enbridge Pipeline
- Proposed Centerline
- Proposed Workspace
- Original Centerline (February 11, 2020)
- Original Workspace
- Surveyed Area

**Route Adjustment Workspace**
- Permanent ROW
- Temporary Workspace
- ATWS
- Valve Site

- Environmentally Sensitive Area

**Delineated Wetland**
- PFO Wetland
- PSS Wetland
- PEM Wetland
- WWI Wetland

**Delineated Waterbody**
- Pond/Open Water
- Perennial Waterbody
- Intermittent Waterbody
- Ephemeral Waterbody
- WDNR 24K Waterbody

**Wisconsin DNR 24K Hydro**
- Perennial Stream/River
- Intermittent Stream
- WDNR 24K Waterbody field identified as upland or wetland

ENBRIDGE

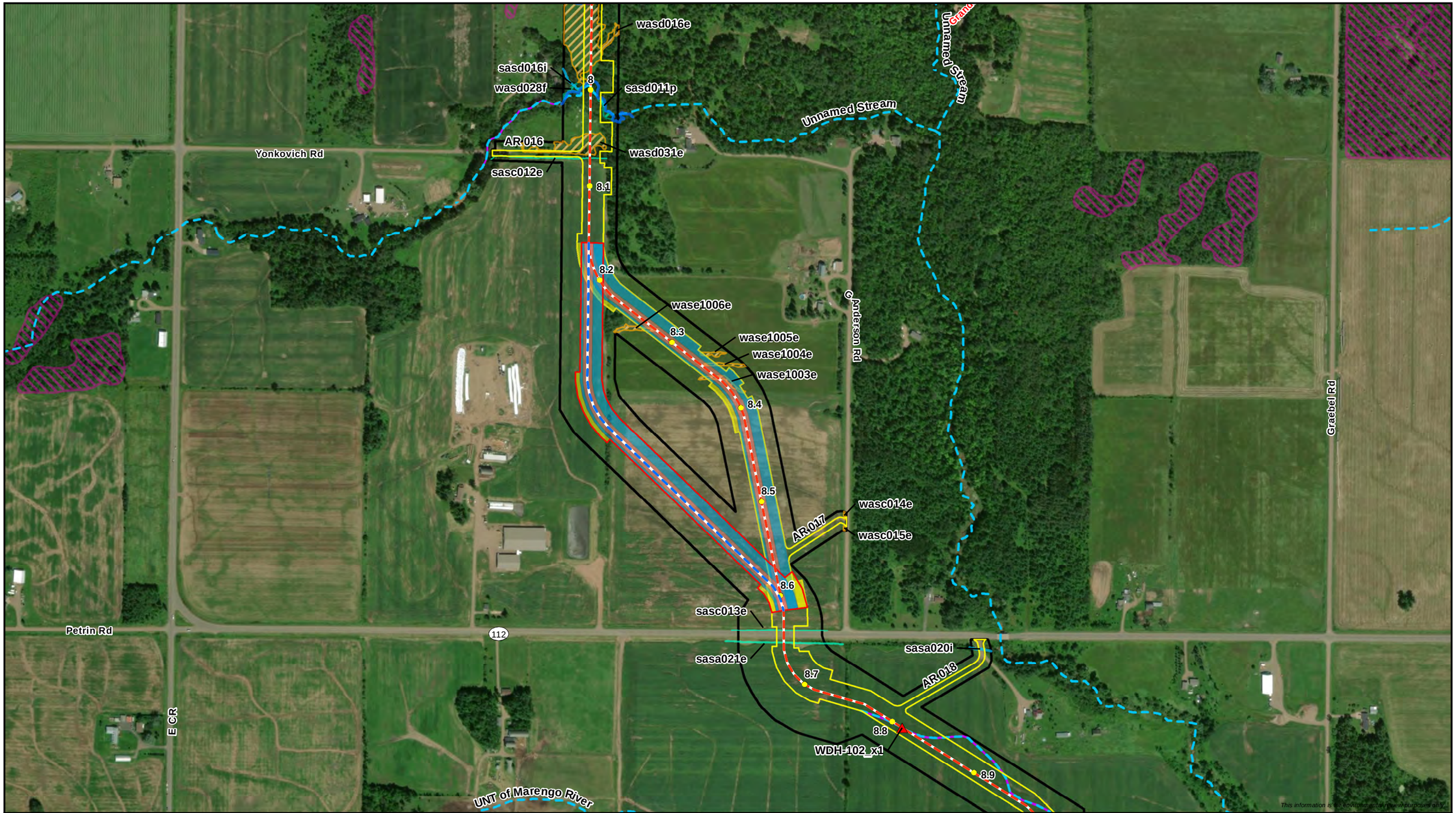
**Route Adjustment 1**
**Minor Route Adjustment Comparison**
**Line 5 Wisconsin Segment Relocation Project**
Enbridge Energy, L.P.
Ashland County, Wisconsin



ERM

MPLS M:\Clients\D-F\EEL\BadRiver_ArcGIS\2020\07\Supplemental_Filing\Alternatives_AlternativesDetail.mxd | REVISED: 07/30/2020 | SCALE: 1:6,000 when printed at 11x17

DRAWN BY: RCutting



0 250 500
Feet
1:6,000

- Milepost
- Existing Enbridge Pipeline
- Proposed Centerline
- Proposed Workspace
- Original Centerline (February 11, 2020)
- Original Workspace
- Surveyed Area

**Route Adjustment Workspace**
- Permanent ROW
- Temporary Workspace
- ATWS
- Valve Site

- Environmentally Sensitive Area

**Delineated Wetland**
- PFO Wetland
- PSS Wetland
- PEM Wetland
- WWI Wetland

**Delineated Waterbody**
- Pond/Open Water
- Perennial Waterbody
- Intermittent Waterbody
- Ephemeral Waterbody
- WDNR 24K Waterbody

**Wisconsin DNR 24K Hydro**
- Perennial Stream/River
- Intermittent Stream
- WDNR 24K Waterbody field identified as upland or wetland

ENBRIDGE

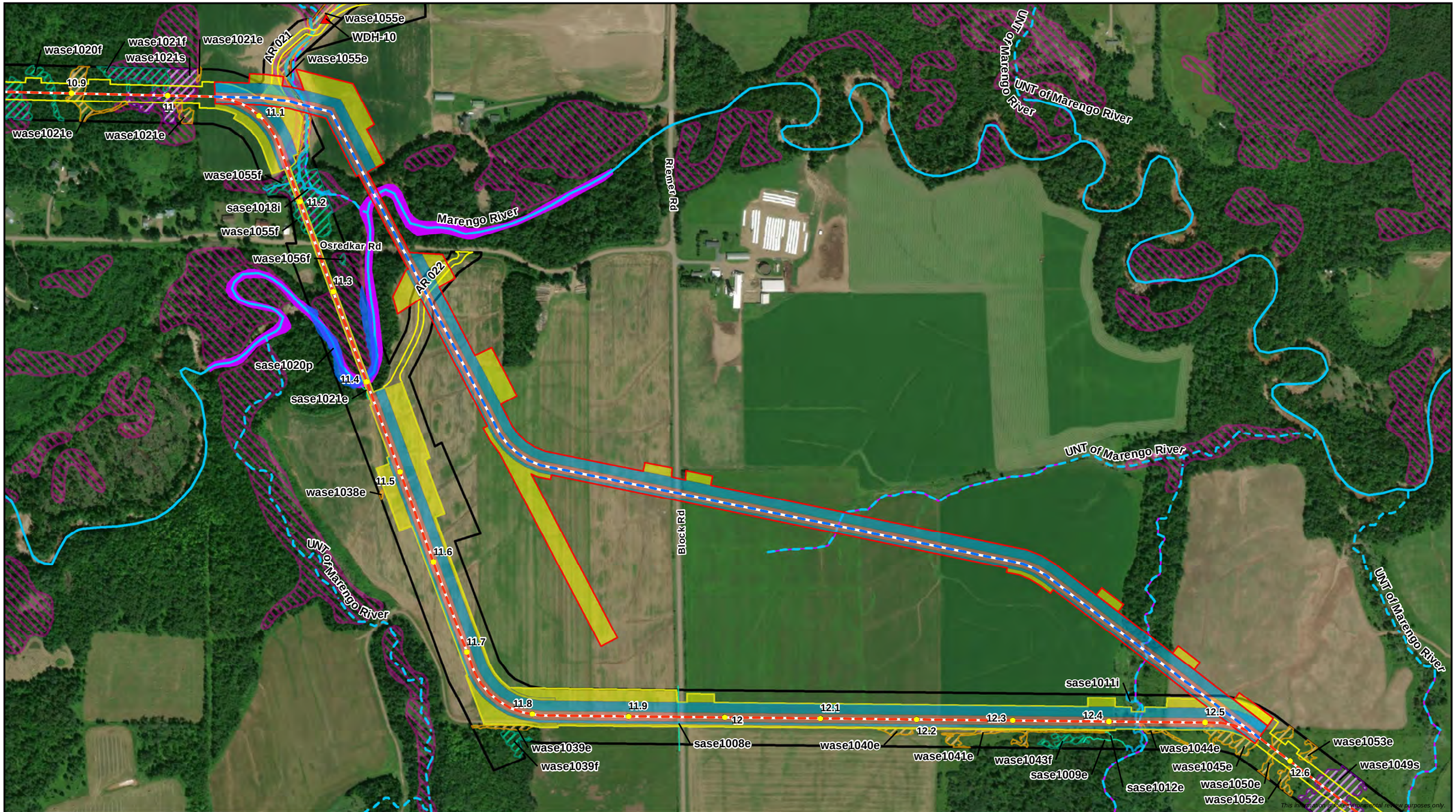
**Route Adjustment 2**
**Minor Route Adjustment Comparison**
**Line 5 Wisconsin Segment Relocation Project**
Enbridge Energy, L.P.
Ashland County, Wisconsin

ERM



MPLS M:\Clients\D-F\EEL\BadRiver_ArcGIS\2020\07\Supplemental_Filing\Alternatives_AlternativesDetail.mxd | REVISED: 07/30/2020 | SCALE: 1:6,000 when printed at 11x17

DRAWN BY: RCutting



0 250 500
Feet
1:6,000

Milepost
Existing Enbridge Pipeline
Proposed Centerline
Proposed Workspace
Original Centerline (February 11, 2020)
Original Workspace
Surveyed Area

**Route Adjustment Workspace**
Permanent ROW
Temporary Workspace
ATWS
Valve Site

Environmentally Sensitive Area

**Delineated Wetland**
PFO Wetland
PSS Wetland
PEM Wetland
WWI Wetland

**Delineated Waterbody**
Pond/Open Water
Perennial Waterbody
Intermittent Waterbody
Ephemeral Waterbody
WDNR 24K Waterbody

**Wisconsin DNR 24K Hydro**
Perennial Stream/River
Intermittent Stream
WDNR 24K Waterbody field identified as upland or wetland

ENBRIDGE

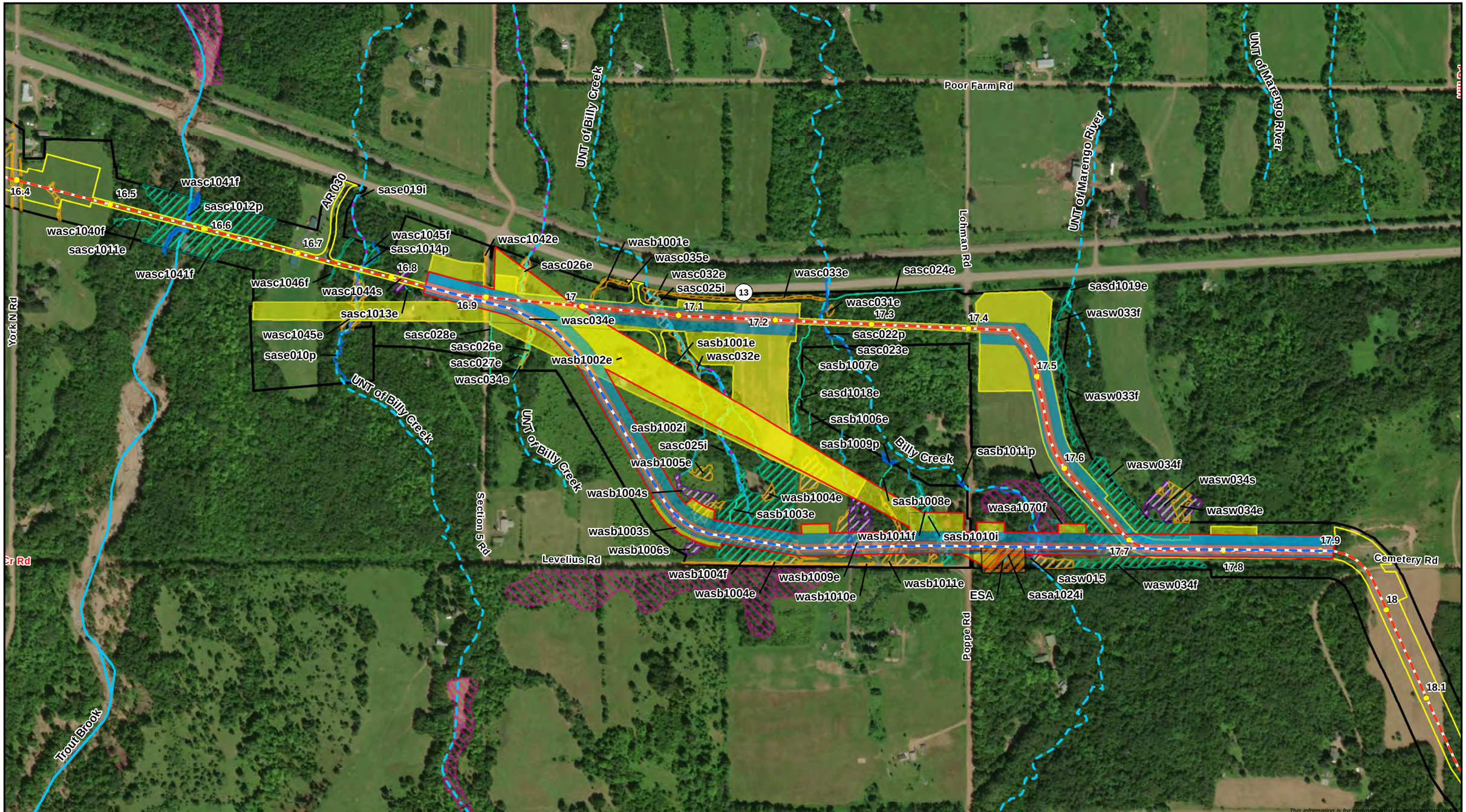
**Route Adjustment 3**
**Minor Route Adjustment Comparison**
**Line 5 Wisconsin Segment Relocation Project**
Enbridge Energy, L.P.
Ashland County, Wisconsin



ERM

MPLS M:\Clients\D-F\EEL\BadRiver_ArcGIS\2020\07\Supplemental_Filing\Alternatives_AlternativesDetail.mxd | REVISED: 07/30/2020 | SCALE: 1:6,000 when printed at 11x17

DRAWN BY: RCutting



0 250 500
Feet
1:6,000

- Milepost
- Existing Enbridge Pipeline
- Proposed Centerline
- Proposed Workspace
- Original Centerline (February 11, 2020)
- Original Workspace
- Surveyed Area

**Route Adjustment Workspace**
- Permanent ROW
- Temporary Workspace
- ATWS
- Valve Site

- Environmentally Sensitive Area

**Delineated Wetland**
- PFO Wetland
- PSS Wetland
- PEM Wetland
- WWI Wetland

**Delineated Waterbody**
- Pond/Open Water
- Perennial Waterbody
- Intermittent Waterbody
- Ephemeral Waterbody
- WDNR 24K Waterbody

**Wisconsin DNR 24K Hydro**
- Perennial Stream/River
- Intermittent Stream
- WDNR 24K Waterbody field identified as upland or wetland

ENBRIDGE

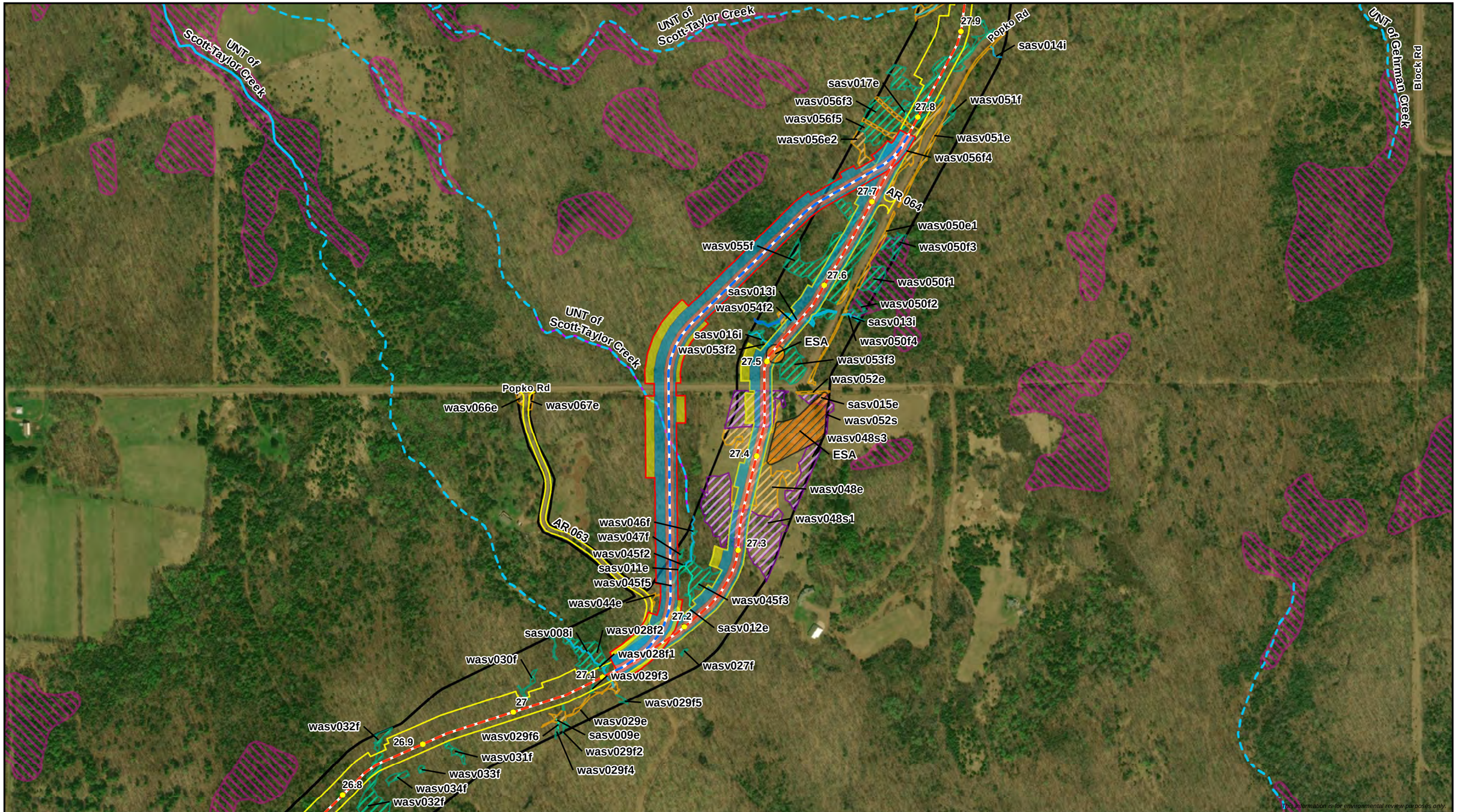
**Route Adjustment 4**
**Minor Route Adjustment Comparison**
**Line 5 Wisconsin Segment Relocation Project**
Enbridge Energy, L.P.
Ashland County, Wisconsin



ERM

MPLS M:\Clients\D-F\EEL\BadRiver_ArcGIS\2020\07\Supplemental_Filing\Alternatives_AlternativesDetail.mxd | REVISED: 07/30/2020 | SCALE: 1:6,000 when printed at 11x17

DRAWN BY: RCutting



0 250 500
Feet
1:6,000

- Milepost
- Existing Enbridge Pipeline
- Proposed Centerline
- Proposed Workspace
- Original Centerline (February 11, 2020)
- Original Workspace
- Surveyed Area

**Route Adjustment Workspace**
- Permanent ROW
- Temporary Workspace
- ATWS
- Valve Site

- Environmentally Sensitive Area

**Delineated Wetland**
- PFO Wetland
- PSS Wetland
- PEM Wetland
- WWI Wetland

**Delineated Waterbody**
- Pond/Open Water
- Perennial Waterbody
- Intermittent Waterbody
- Ephemeral Waterbody
- WDNR 24K Waterbody

**Wisconsin DNR 24K Hydro**
- Perennial Stream/River
- Intermittent Stream
- WDNR 24K Waterbody field identified as upland or wetland

ENBRIDGE

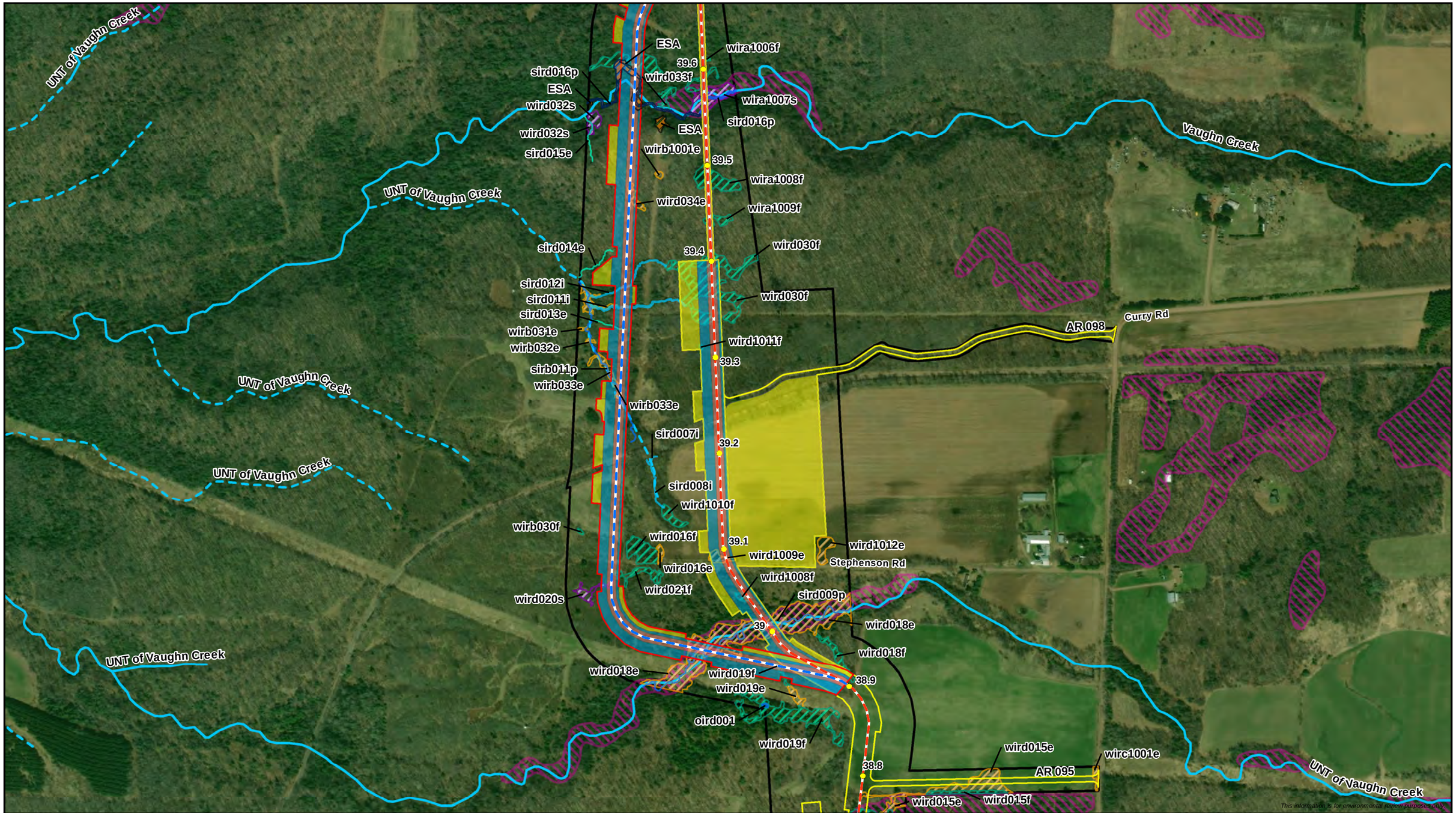
**Route Adjustment 5**
**Minor Route Adjustment Comparison**
**Line 5 Wisconsin Segment Relocation Project**
Enbridge Energy, L.P.
Ashland County, Wisconsin



ERM

MPLS M:\Clients\D-F\EEL\BadRiver_ArcGIS\2020\07\Supplemental_Filing\Alternatives_AlternativesDetail.mxd | REVISED: 07/30/2020 | SCALE: 1:6,000 when printed at 11x17

DRAWN BY: RCutting




0 250 500
Feet
1:6,000

Milepost
Existing Enbridge Pipeline
Proposed Centerline
Proposed Workspace
Original Centerline (February 11, 2020)
Original Workspace
Surveyed Area
**Route Adjustment Workspace**
Permanent ROW
Temporary Workspace
ATWS
Valve Site
Environmentally Sensitive Area
**Delineated Wetland**
PFO Wetland
PSS Wetland
PEM Wetland
WWI Wetland
**Delineated Waterbody**
Pond/Open Water
Perennial Waterbody
Intermittent Waterbody
Ephemeral Waterbody
WDNR 24K Waterbody
**Wisconsin DNR 24K Hydro**
Perennial Stream/River
Intermittent Stream
WDNR 24K Waterbody field identified as upland or wetland

ENBRIDGE

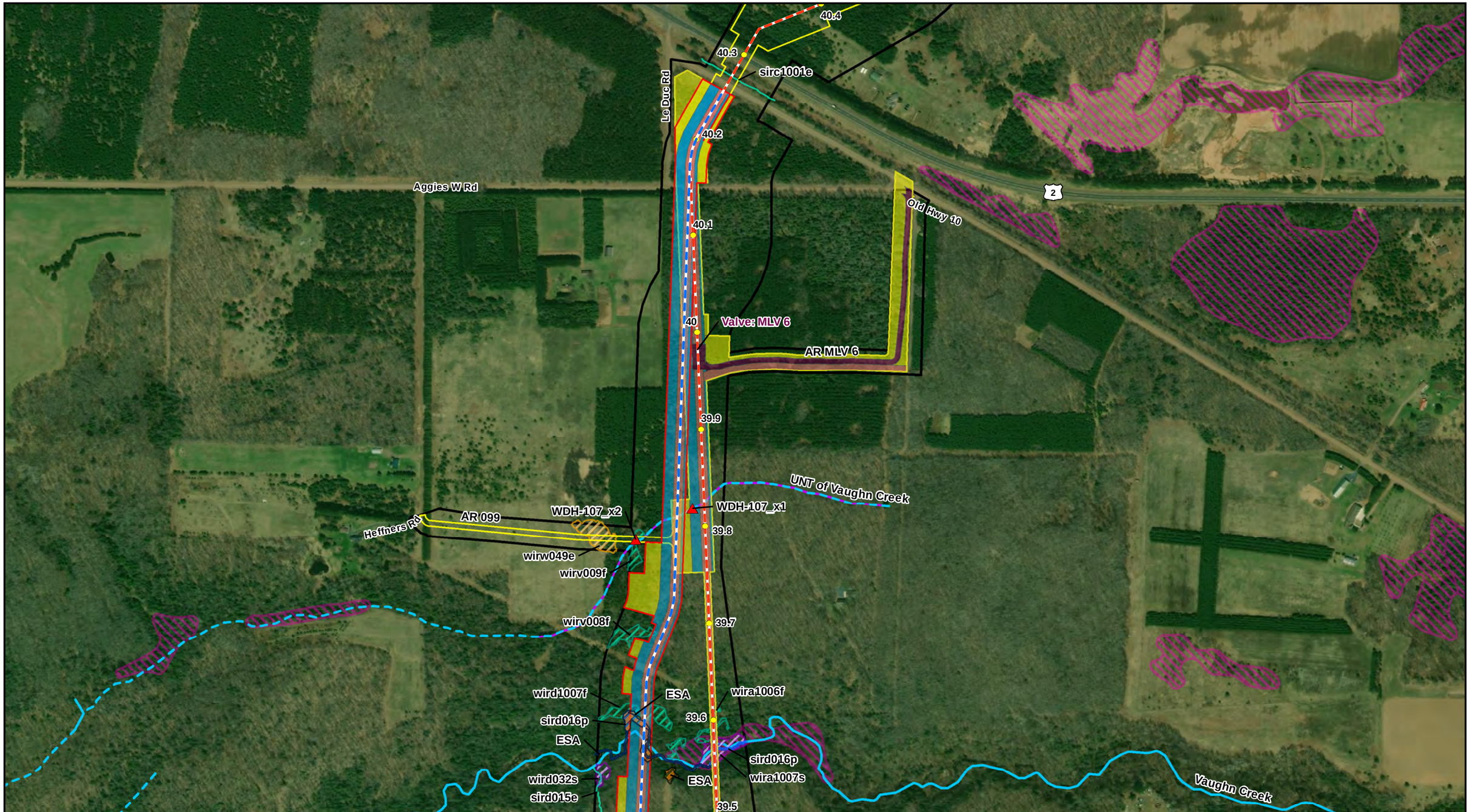
**Route Adjustment 6**
**Minor Route Adjustment Comparison**
**Line 5 Wisconsin Segment Relocation Project**
Enbridge Energy, L.P.
Iron County, Wisconsin



ERM

MPLS M:\Clients\D-F\EEL\BadRiver_ArcGIS\2020\07\Supplemental_Filing\Alternatives_AlternativesDetail.mxd | REVISED: 07/30/2020 | SCALE: 1:6,000 when printed at 11x17

DRAWN BY: RCutting



0 250 500
Feet
1:6,000

- Milepost
- Existing Enbridge Pipeline
- Proposed Centerline
- Proposed Workspace
- Original Centerline (February 11, 2020)
- Original Workspace
- Surveyed Area

**Route Adjustment Workspace**
- Permanent ROW
- Temporary Workspace
- ATWS
- Valve Site

- Environmentally Sensitive Area

**Delineated Wetland**
- PFO Wetland
- PSS Wetland
- PEM Wetland
- WWI Wetland

**Delineated Waterbody**
- Pond/Open Water
- Perennial Waterbody
- Intermittent Waterbody
- Ephemeral Waterbody
- WDNR 24K Waterbody

**Wisconsin DNR 24K Hydro**
- Perennial Stream/River
- Intermittent Stream
- WDNR 24K Waterbody field identified as upland or wetland

ENBRIDGE

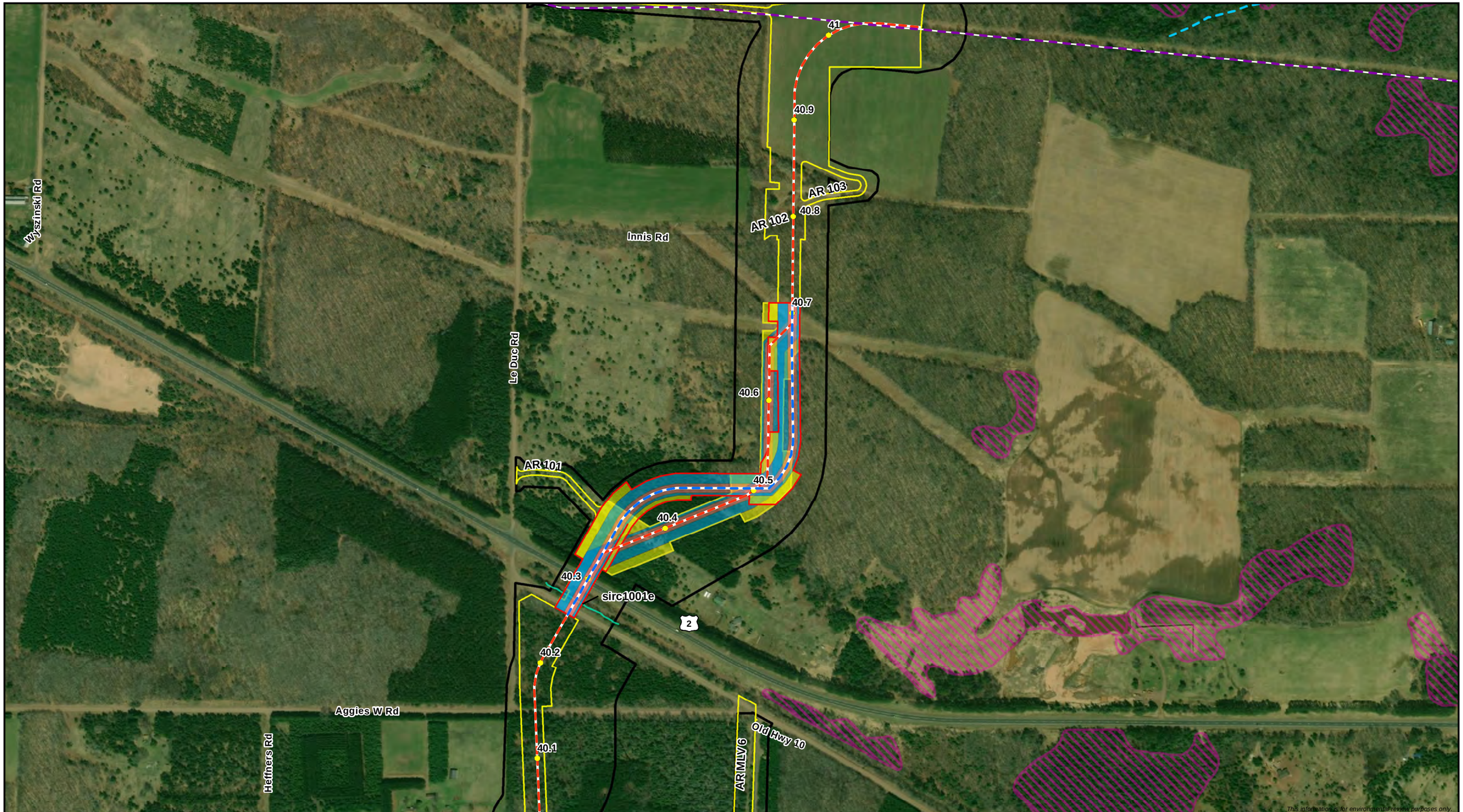
**Route Adjustment 6**
**Minor Route Adjustment Comparison**
**Line 5 Wisconsin Segment Relocation Project**
Enbridge Energy, L.P.
Iron County, Wisconsin



ERM

MPLS M:\Clients\D-F\EEL\BadRiver_ArcGIS\2020\07\Supplemental_Filing\Alternatives_AlternativesDetail.mxd | REVISED: 07/30/2020 | SCALE: 1:6,000 when printed at 11x17

DRAWN BY: RCutting




0 250 500
Feet
1:6,000

Milepost
Existing Enbridge Pipeline
Proposed Centerline
Proposed Workspace
Original Centerline (February 11, 2020)
Original Workspace
Surveyed Area

**Route Adjustment Workspace**
Permanent ROW
Temporary Workspace
ATWS
Valve Site

Environmentally Sensitive Area

**Delineated Wetland**
PFO Wetland
PSS Wetland
PEM Wetland
WWI Wetland

**Delineated Waterbody**
Pond/Open Water
Perennial Waterbody
Intermittent Waterbody
Ephemeral Waterbody
WDNR 24K Waterbody

**Wisconsin DNR 24K Hydro**
Perennial Stream/River
Intermittent Stream
WDNR 24K Waterbody field identified as upland or wetland

ENBRIDGE

**Route Adjustment 7**
**Minor Route Adjustment Comparison**
**Line 5 Wisconsin Segment Relocation Project**
Enbridge Energy, L.P.
Iron County, Wisconsin



ERM

MPLS M:\Clients\D-F\EEL\BadRiver_ArcGIS\2020\07\Supplemental_Filing\Alternatives_AlternativesDetail.mxd | REVISED: 07/30/2020 | SCALE: 1:6,000 when printed at 11x17

DRAWN BY: RCutting