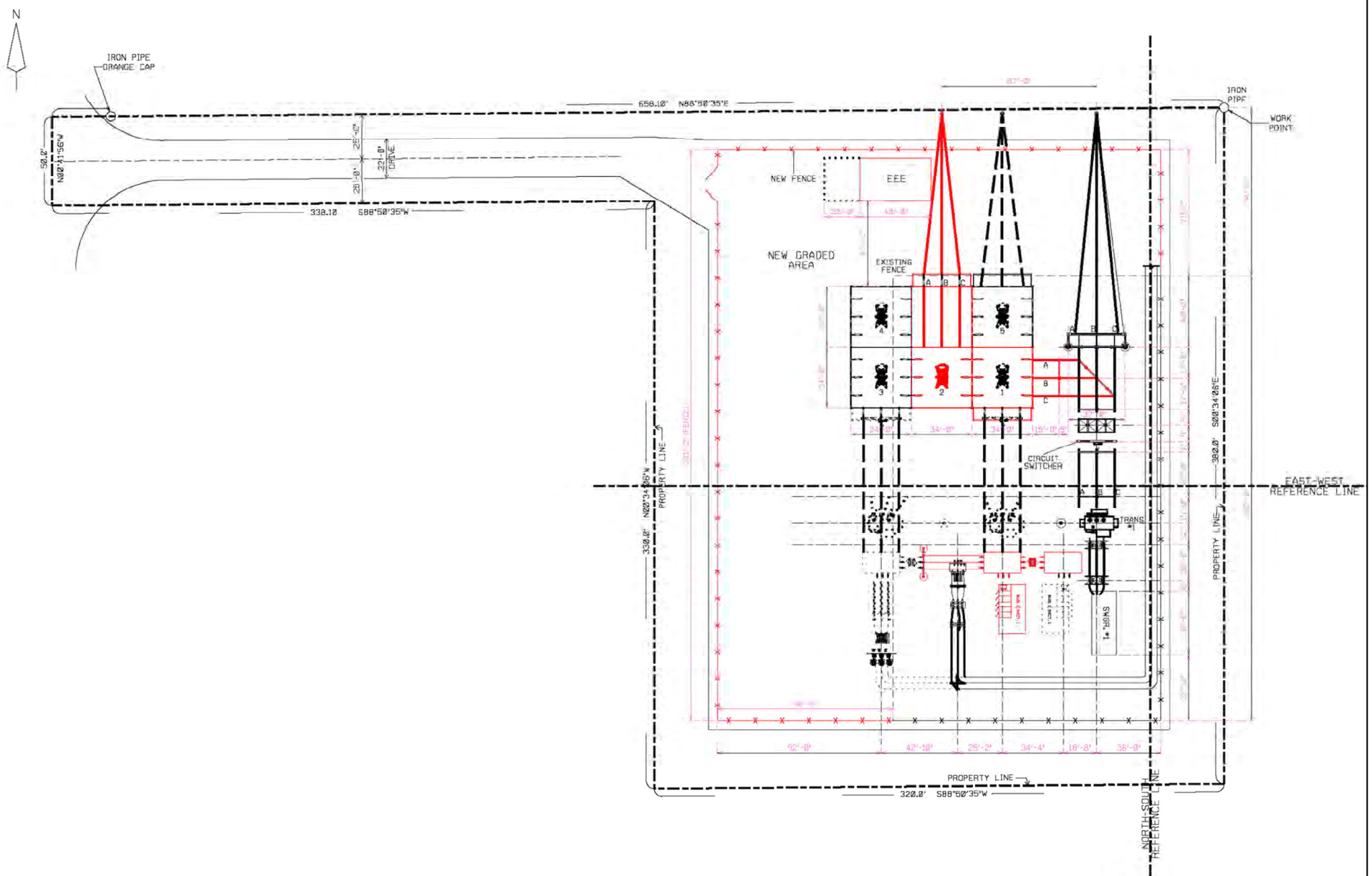


Existing

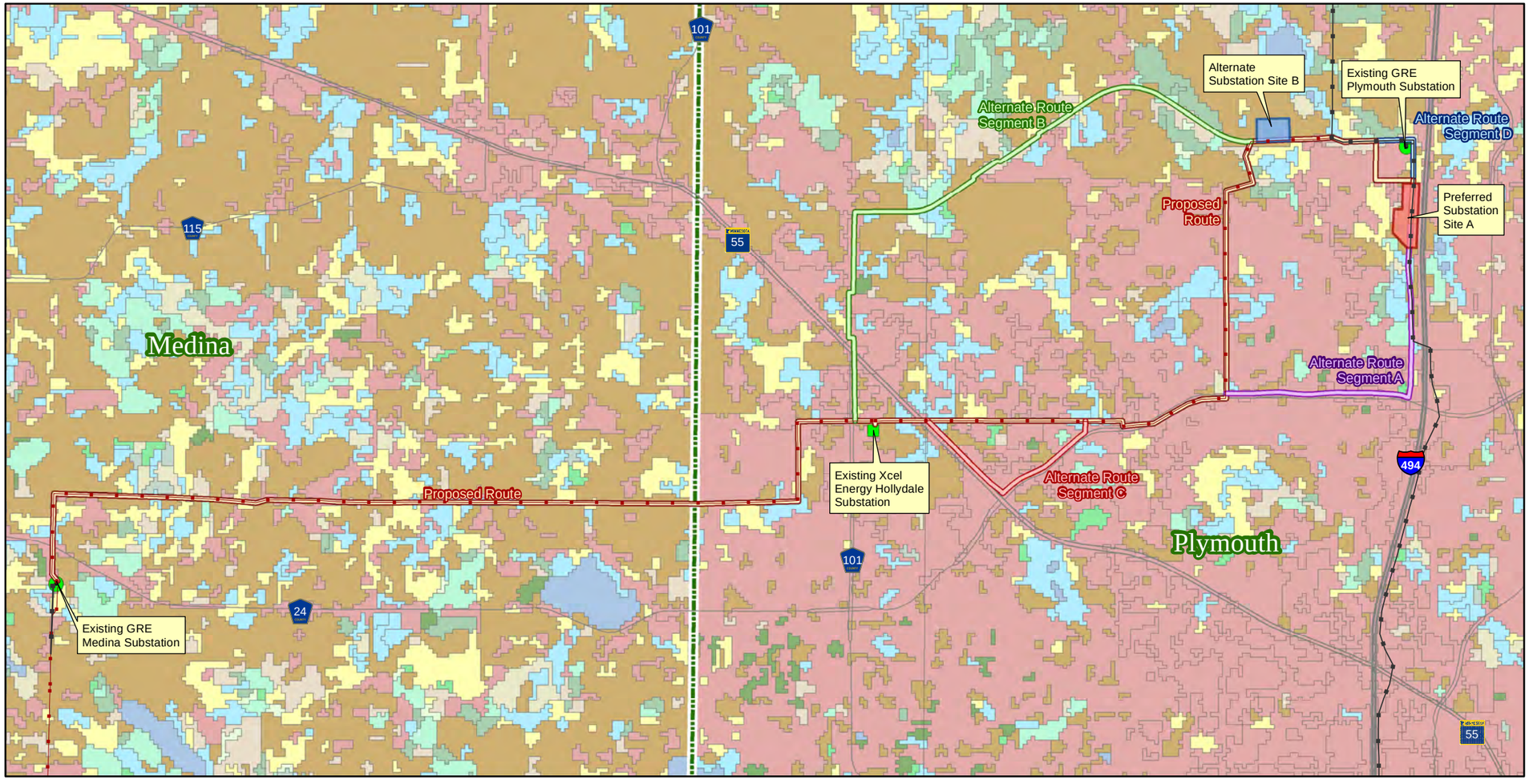
New Project

Future

Figure B-9

MODIFICATIONS TO THE XCEL ENERGY HOLLYDALE SUBSTATION
Hollydale Project

Xcel Energy®



Existing Xcel Energy Substation
Existing GRE Substation
Municipality
Preferred Substation Site A
Alternate Substation Site B
Proposed Route
Alternate Route Segment A
Alternate Route Segment B
Alternate Route Segment C
Alternate Route Segment D

Existing GRE Transmission Line
69 kV
115 kV

Gap Analysis Program (GAP) Land Cover Types
Aquatic
Marsh
Developed
Lowland Deciduous
Cottonwood
Maple/Basswood
Oak
Silver Maple
Pine
Lowland Shrub
Upland Shrub
Grassland
Cropland

Data Sources:
Xcel Energy, MNDOT, MNDNR, USGS

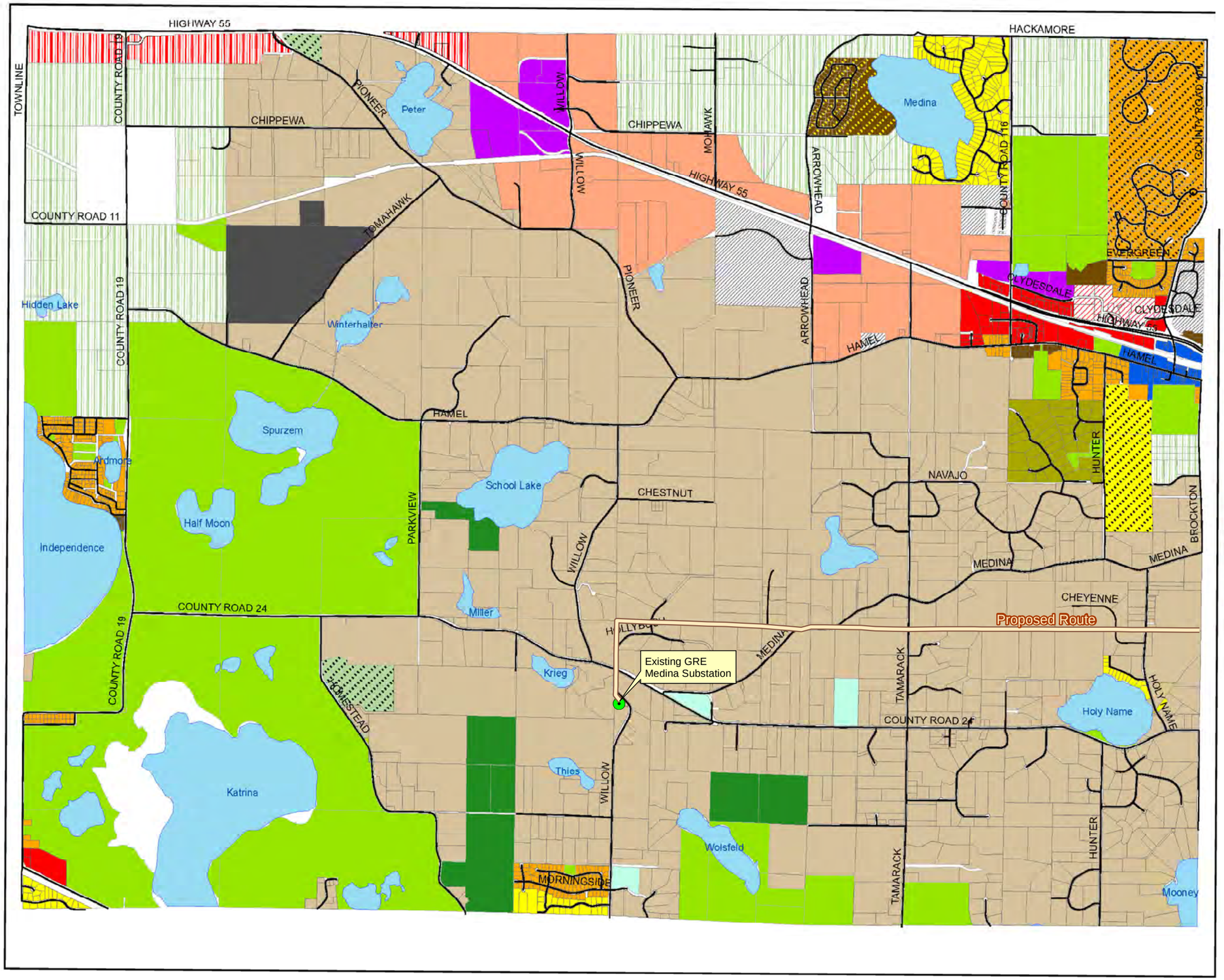
N

Figure B-10

LAND USE LAND COVER MAP
Hollydale Project

Xcel Energy

PUC Docket No. E002/TL-11-152



Existing GRE Substation
Proposed Route

Zoning District

AG	UH
RR	PUD
RR1	PS
PUD RR-2	RPS
RR-UR	BP
SR	IP
UR	UC
PUD1	PUD-UC
PUD2	RCH
PUD-SFR	SL
MR	ROW-E

Map Updated: January 20, 2010
Date Accessed: November 16, 2010
Source: City of Medina (Scanned Map)

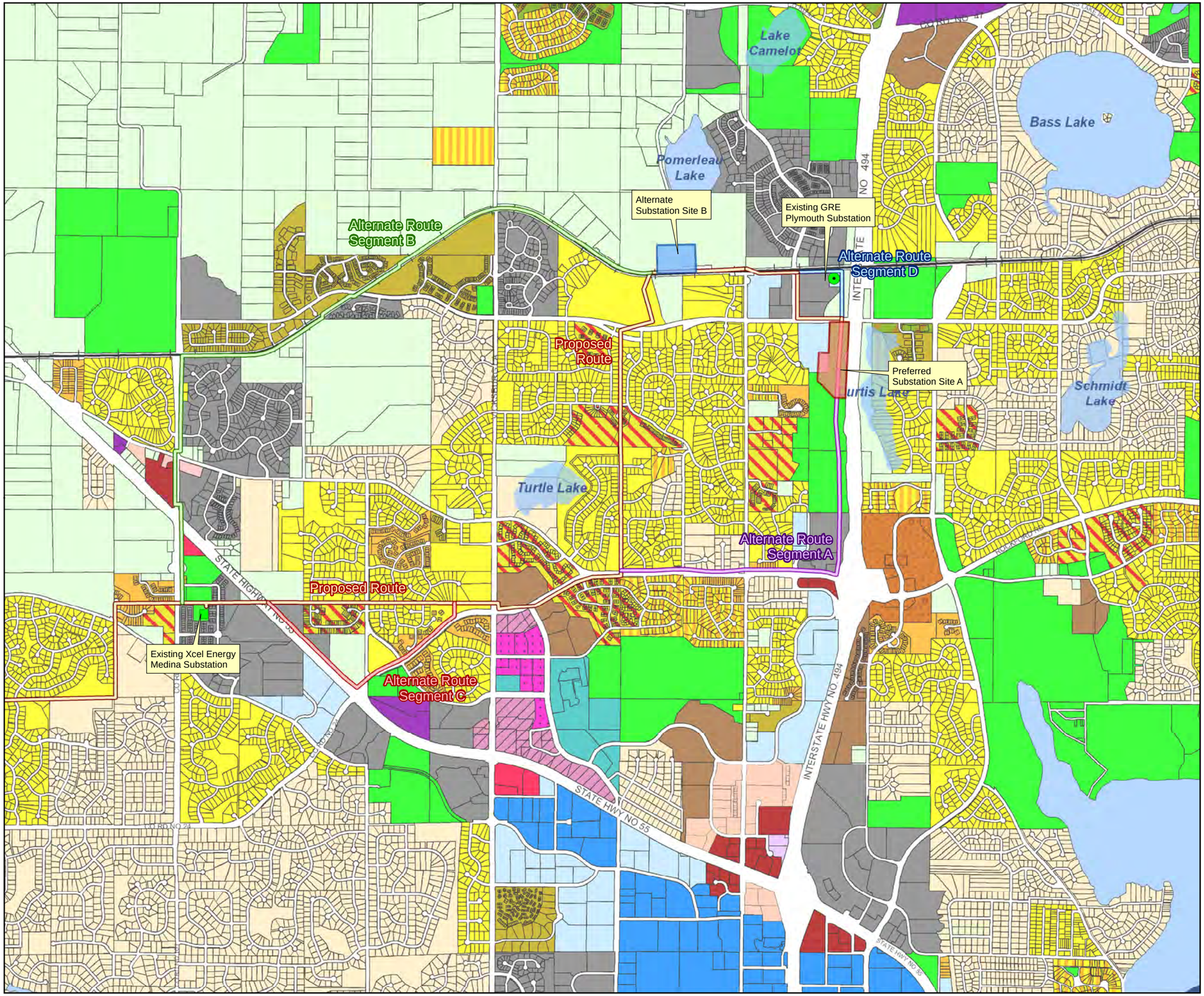
N

Figure B-11

MEDINA ZONING MAP
Hollydale Project

Xcel Energy®

PUC Docket No. E002/TL-11-152



- Existing GRE Substation
- Existing Xcel Energy Substation
- Preferred Substation Site A
- Alternate Substation Site B
- Proposed Route
- Alternate Route Segment A
- Alternate Route Segment B
- Alternate Route Segment C
- Alternate Route Segment D
- FRD, Future Restricted Development
- RSF-R, Single Family Detached Rural to Urban Transition
- RSF-1, Single Family Detached 1
- RSF-2, Single Family Detached 2
- RSF-3, Single Family Detached 3
- RSF-4, Single and Two Family
- RMF-1, Multiple Family 1
- RMF-2, Multiple Family 2
- RMF-3, Multiple Family 3
- RMF-4, Multiple Family 4
- O, Office
- C-1, Convenience Commercial
- C-2, Neighborhood Commercial
- C-3, Highway Commercial
- C-4, Community Commercial
- CC-P, City Center, Public
- CC-OT & R, City Center, Office/Tech & Retail
- CC-R & E, City Center, Retail & Entertianment
- C-5, Commercial/Industrial
- B-C, Business Campus
- I-1, Light Industrial
- I-2, General Industrial
- I-3, Heavy Industrial
- P-I, Public/Institutional
- PUD, Planned Unit Development
- City Limits
- Lakes

Map Adopted: December 18, 2006
Map Updated: February 12, 2010
Date Accessed: November 16, 2010
Source: City of Plymouth (Scanned Map)

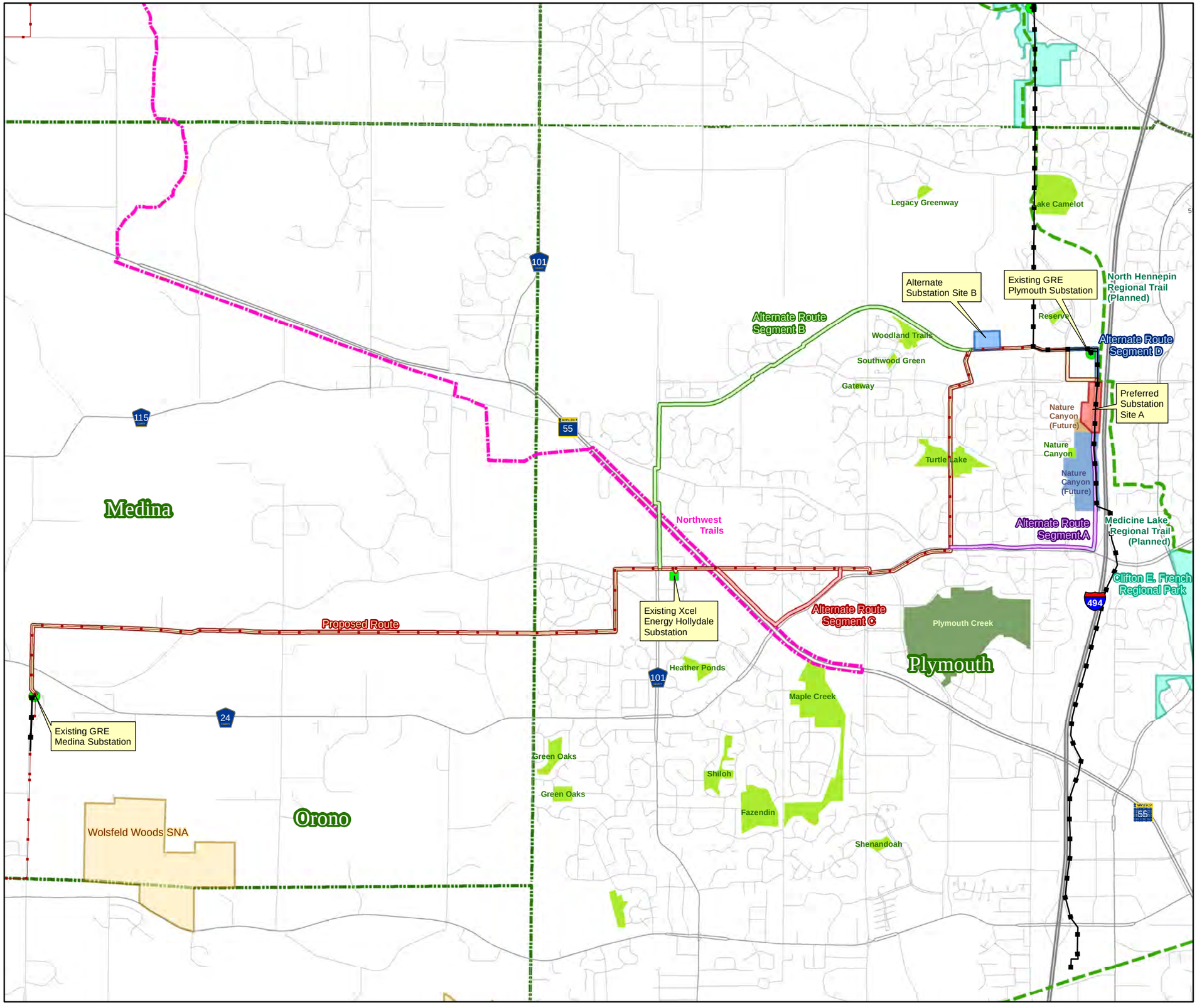
N

Figure B-12

PLYMOUTH ZONING MAP
Hollydale Project

Xcel Energy®

PUC Docket No. E002/TL-11-152



Existing Xcel Energy Substation
Existing GRE Substation
Municipality
Preferred Substation Site A
Alternate Substation Site B
Proposed Route
Alternate Route Segment A
Alternate Route Segment B
Alternate Route Segment C
Alternate Route Segment D
Regional Trail (MNDNR)
Snowmobile Trail (MNDNR, 2009)

Existing GRE Transmission Line
69 kV
115 kV

Neighborhood Park (City of Plymouth)
City Park (City of Plymouth)
Community Playfield (City of Plymouth)
Special Use Facility (City of Plymouth)
Regional Park (Three Rivers Park District)
Scientific and Natural Area (MNDNR)

Data Sources:
Xcel Energy, MNDOT, MNDNR, City of Plymouth

N

Feet
3,000 0 3,000

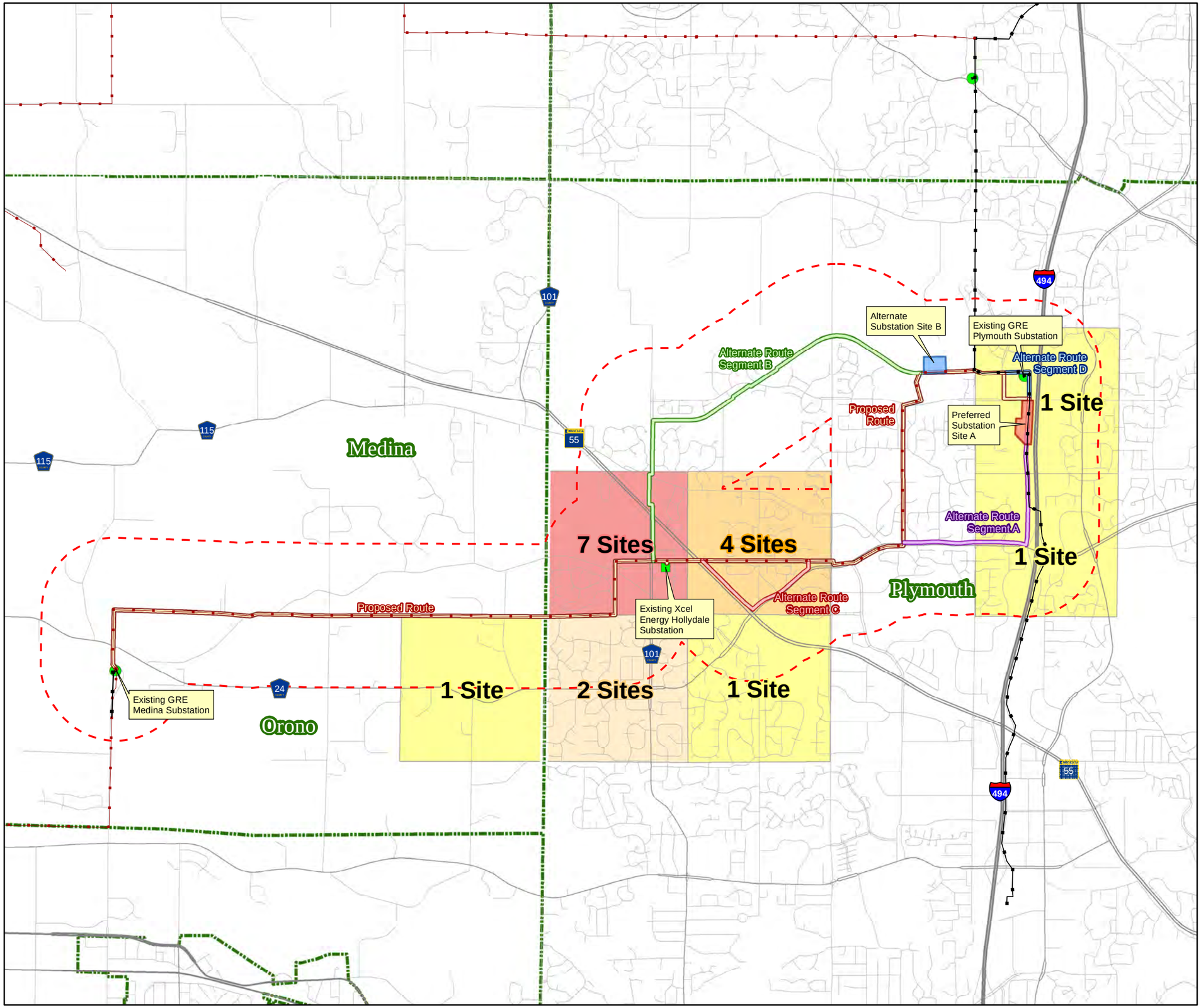
Meters
800 0 800

Figure B-13

PARKS AND RECREATIONAL AREAS
Hollydale Project

Xcel Energy®

PUC Docket No. E002/TL-11-152



Existing Xcel Energy Substation
Existing GRE Substation
Municipality
1/2 Mile Buffer of Proposed Transmission Line Routes
Preferred Substation Site A
Alternate Substation Site B
Proposed Route
Alternate Route Segment A
Alternate Route Segment B
Alternate Route Segment C
Alternate Route Segment D

Existing GRE Transmission Line
69 kV
115 kV

Number of Historical Sites Within Sections Shown
1 Site
2 Sites
4 Sites
7 Sites

*Note: No Archaeological Features were found within 1/2 mile of the Proposed Route or Alternate Route Segments

Data Sources:
Xcel Energy, MNDOT, MNSHPO

N

Feet
3,500 0 3,500

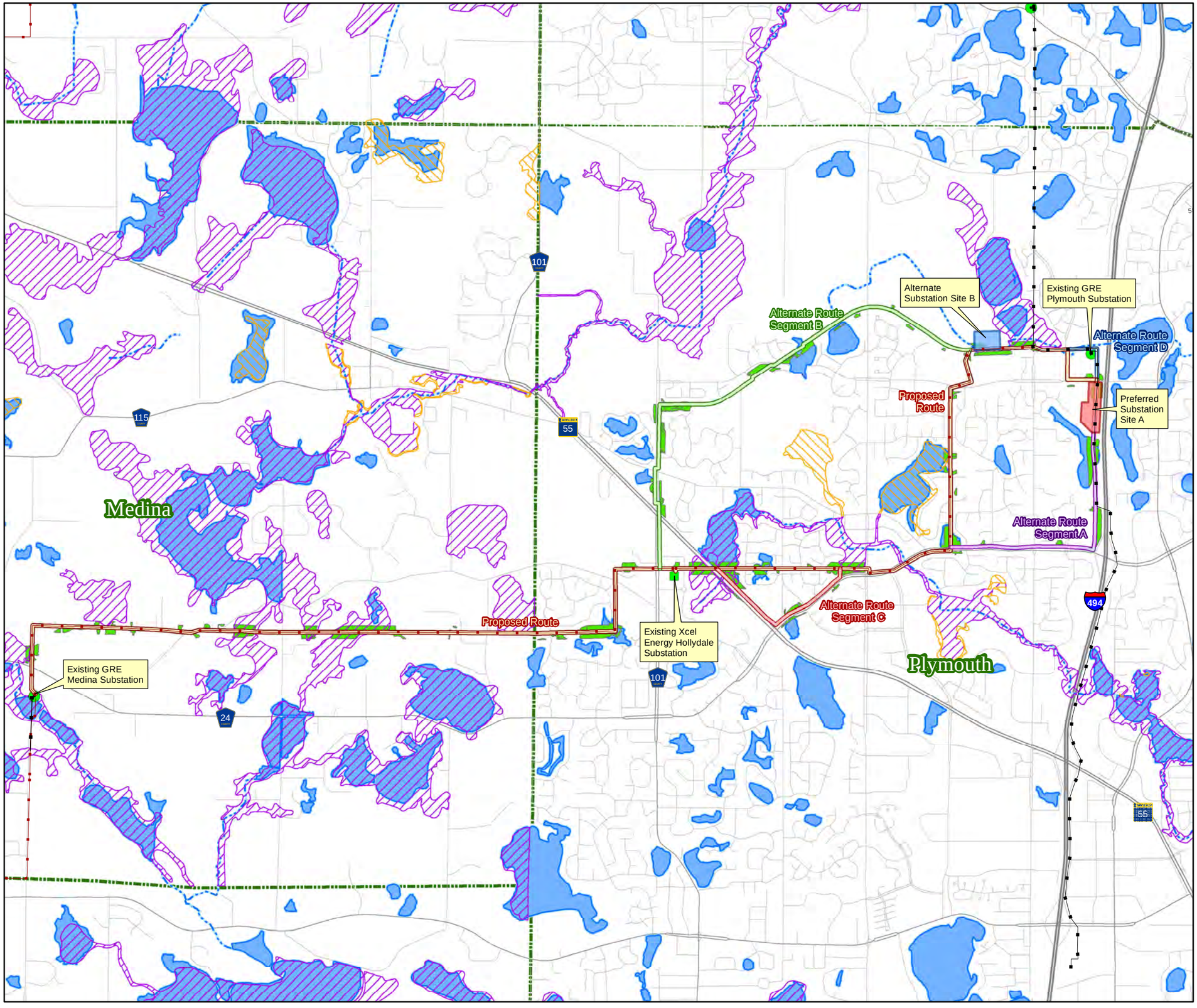
Meters
1,000 0 1,000

Figure B-14

ARCHAEOLOGICAL AND HISTORICAL RESOURCES
Hollydale Project

Xcel Energy®

PUC Docket No. E002/TL-11-152



Existing Xcel Energy Substation
Existing GRE Substation
Municipality
Preferred Substation Site A
Alternate Substation Site B
Proposed Route
Alternate Route Segment A
Alternate Route Segment B
Alternate Route Segment C
Alternate Route Segment D

Existing GRE Transmission Line
69 kV
115 kV

Public Water Inventory Watercourse (MDNR, July 31, 2008)
Public Water Inventory Basin (MNDNR, July 31, 2008)
Wetlands (Barr, 2010)
100 Year Floodplain (FEMA Q3 Data)
500 Year Floodplain (FEMA Q3 Data)

Data Sources:
Xcel Energy, MNDOT, MNDNR, FEMA

N

Feet
3,000 0 3,000

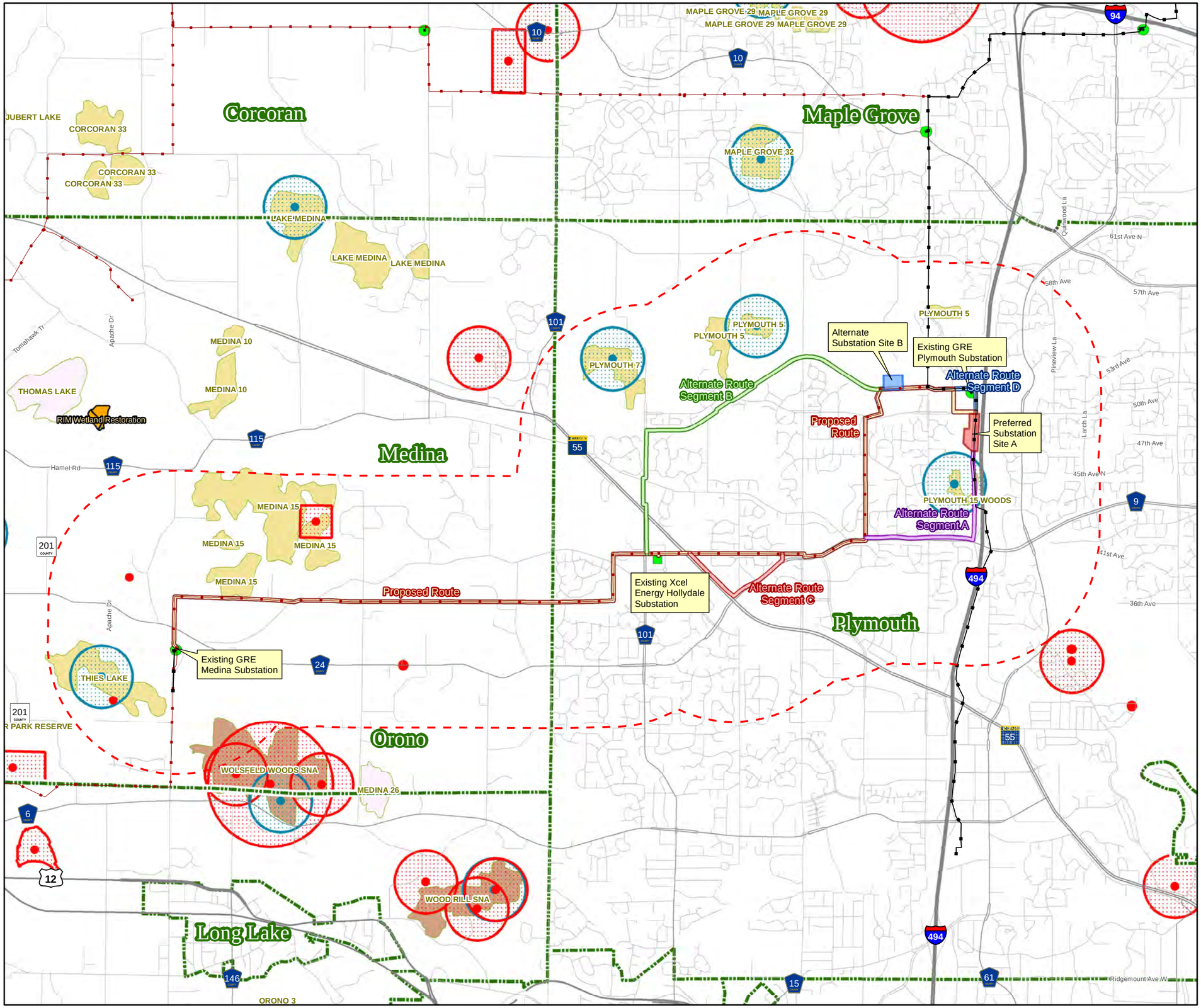
Meters
800 0 800

Figure B-15

WETLANDS, WATERBODIES, AND FLOODPLAINS
Hollydale Project

Xcel Energy®

PUC Docket No. E002/TL-11-152



Existing Xcel Energy Substation
Existing GRE Substation
Municipality
1 Mile Buffer of Proposed Transmission Line Routes
Preferred Substation Site A
Alternate Substation Site B
Proposed Route
Alternate Route Segment A
Alternate Route Segment B
Alternate Route Segment C
Alternate Route Segment D

Existing GRE Transmission Line
69 kV
115 kV

Minnesota Board of Water and Soil Resources Conservation Easement

MNDNR Natural Heritage Information System Rare Natural Features
Vertebrate Animal
Community

MNDNR Natural Heritage Information System Area of Feature Uncertainty
Vertebrate Animal
Community

Minnesota County Biological Survey Sites of Biodiversity Significance
Below
High
Moderate
Outstanding

Data Sources:
Xcel Energy, MNDOT, MNDNR, MCBS, BWSR

N

Feet
4,000 0 4,000

Meters
1,200 0 1,200

Figure B-16

LOCATIONS OF KNOWN RARE NATURAL FEATURES
Hollydale Project

Xcel Energy®

PUC Docket No. E002/TL-11-152