Potential Borrow Area

Pump Station (Existing)

1,200

1,520

High Water Marks

Pump Station (New)

1,520

1,600

Railroad Bridge - Sawyer

1,532.5 ft

3rd Ave W

First Ave

Second St

3rd Ave N

First Ave N

Ralph St

Portland St

Co Hwy 23 Bridge

6.52

19 1/2 Ave NW

Second St

1,530.8 ft

SECO

ND Ave

THIRD AVE

Floodwall Alignment

Levee Footprint

Transportation Closure Structure

(Only During Flooding Event)

River Closure Structure

Direction of Diverted Flow

High Flow Diversion

Road Realignments

Overbank Excavation

Interior Ponding Areas

Road Raise

Areas of Reduced Flood Risk

Inundated in Design Flood (27,400 cfs)

Project Limits

Bridge Modification

Centreline of Existing Federal Project Feature

Critical Transportation Route

(Road Remain Open During Flooding Event)

Potential Borrow Area

Pump Station (Existing)

Pump Station (New)

High Water Marks

USACE Permanent ROW (Existing)

Property Parcel

City Limit

10 Foot Contour

2 Foot Contour

Coordinate System: NAD83, North Dakota State Plane Coordinate System, North Zone
Vertical Datum: NGVD29
2010 Aerial Photo

Preliminary Engineering Report
February 29, 2012
Mouse River Project
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(1) Note: Project limits represent approximate right-of-way required for operation and maintenance of the preliminary flood risk reduction features. Features generally included in project right-of-way are: road realignments, overbank excavations, high-flow diversion, overbank channel realignments, overbank excavations, riprap/erosion control measures, boulder drop structures, transportation closure structure (including road raise and road realignment), river features structures (including floodwall and culverts), vegetation preservation, levee features for project inspection, operation and maintenance.