

Information for File # 2015-04232-ARC

Applicant Enbridge Energy, Limited Partnership
Corps Contact Andrew R Chambers
Address 600 South Lake Avenue, Suite 211, Duluth, MN 55802
E-Mail Andrew.R.Chambers@usace.army.mil
Phone 218-720-5291
Primary County Carlton County
Section 6
Township 48N
Range 17W
Information Complete On November 12, 2015
Posting Expires On December 12, 2015
Authorization Type LOP-10-FDL

This application is being reviewed in accordance with current practices for documenting Corps jurisdiction under Section(s) 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act.

We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are subject to Corps of Engineers jurisdiction under Section(s) 9 & 10 of the Rivers and Harbors Act of 1899 and/or Section 404 of the Clean Water Act. If an approved jurisdictional determination is completed as part of the review process for this application, a copy will be posted on the St. Paul District web page at the following link:
<http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

Project:

Enbridge Energy Limited Partnership (Enbridge) is proposing to perform pipeline maintenance within the exterior boundaries of the Fond du Lac Band of Lake Superior Chippewa Reservation located on Line 4 at Milepost 1071.1213. This work is needed to inspect an anomaly in the pipeline and, if necessary, perform maintenance repairs for the safe operation of Line 4.

PROJECT DESCRIPTION AND PURPOSE:

Access to the repair location would be from the Township Road 210 traveling south and utilizing a private driveway and trail to the Enbridge right-of-way (ROW) and proceeding northwest to the project location. Enbridge plans on creating frost roads to facilitate access through wetlands and timber mats would be used as necessary to prevent rutting, compaction and mixing of soil layers. A portion of the wetland to be crossed by the access road contains a tributary, and if a defined flow is identified during the time of maintenance work, Enbridge would construct a temporary clear span bridge of timber mats. Wooden swamp mat ramps would be used, and no fill would be placed in the stream or abutting wetlands.

The area around the pipeline would be excavated, visually and physically inspected and repaired as needed. The area excavated will be approximately 30' – 40' wide, 60' – 80' long and 10' deep. Use of a back hoe or similar excavator and trucks for transportation would be required. Temporary rock fill may be placed in the bottom of the excavation site to create a safe and dry work surface. A physical barrier, geotextile fabric, would be placed below the rock to keep it separate from the native soils. This temporary fill would be removed prior to site restoration which will commence immediately after completion of the repair work. The trench would be backfilled using excavated native soils.

Dewatering activities using pumps may be necessary. Discharges will be directed through a filtration sediment bag placed inside a double geotextile lined straw bale structure and located in a well-vegetated upland, if possible.

NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS:

The project would result in temporary disturbance of 40,200 square feet (0.93 acres) of shallow marsh, shrub-carr, and wet meadow wetlands adjacent to an unnamed tributary to Little Otter Creek. The work for this project would include the construction of a 16-foot-wide access route through wetlands, accounting for 12,000 square feet of wetland impacts. The work for this project would also include excavation and temporary stockpiling of excavated material from a 30'- 40' wide by 60' - 80' long by 10' deep inspection and maintenance area, accounting for 3,200 square feet of wetland impacts. Temporary timber mats would be used where necessary to ensure rutting or mixing of wetland soils does not occur. All affected areas, including the approach to the work site, will be restored, seeded, and mulched as necessary to restore the site to pre-construction conditions.

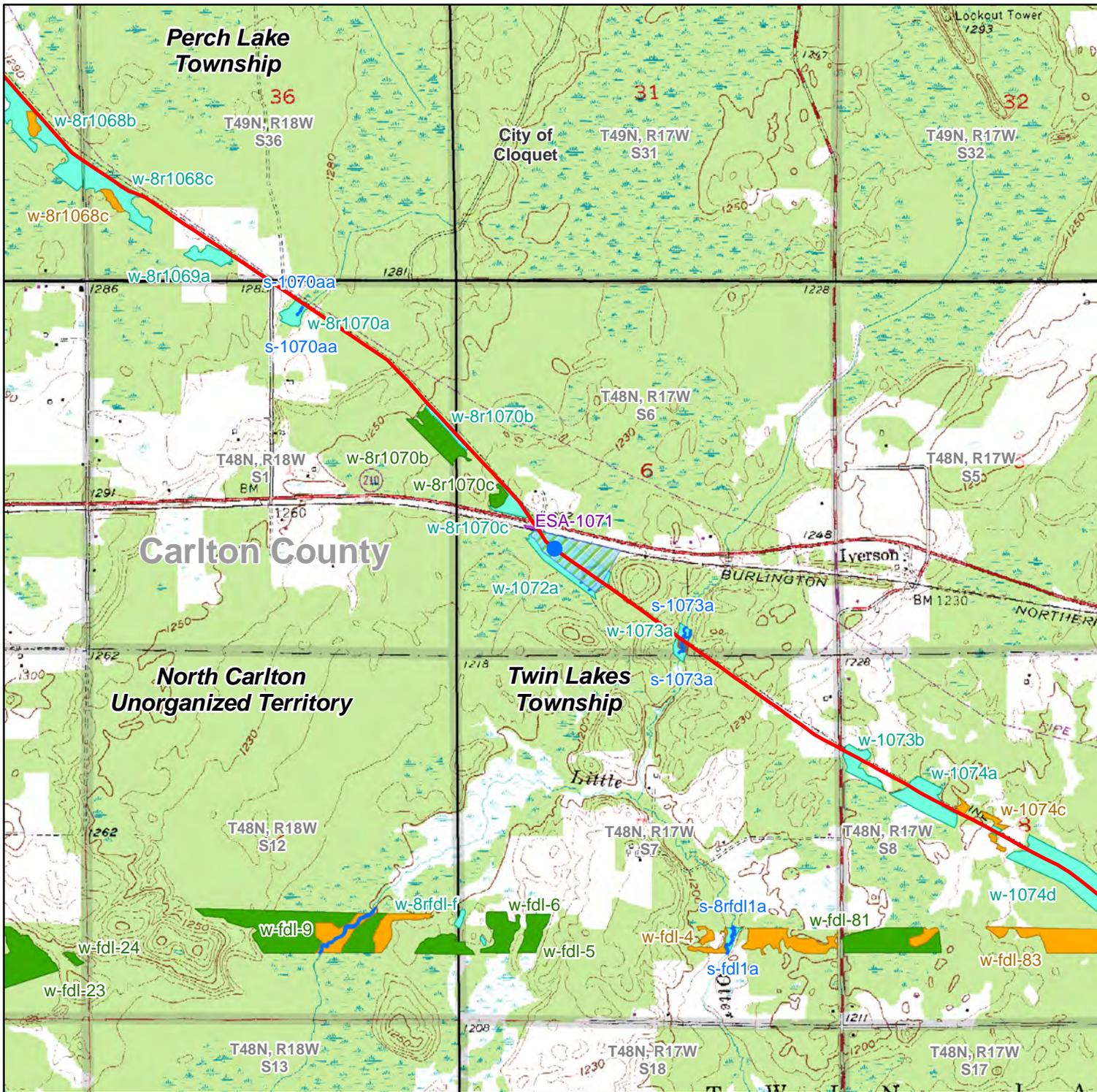
ALTERNATIVES CONSIDERED:

The no inspection/maintenance alternative was abandoned due to the need to promote safe operations and reliable delivery of energy to customers. The maintenance project would be conducted on an existing pipeline structure, no off-site alternatives exist.

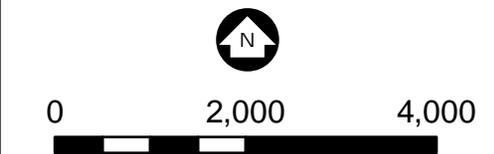
COMPENSATORY MITIGATION:

As no permanent wetland impacts would result from the project, the applicant has proposed that no required compensatory mitigation be required.

Drawings See attached.



- Maintenance Location
- Surveyed Waterbodies
- Environmentally Sensitive Areas
- Woody Buffer
- Field Delineated Wetland (2014)
- Surveyed Wetlands**
- PEM (*Palustrine Emergent*)
- PFO (*Palustrine Forested*)
- PSS (*Palustrine Scrub-Shrub*)
- PUB (*Palustrine Unconsolidated Bottom*)



Feet
 1 Inch = 2,000 Feet
EXCAVATION SITE LOCATION
 Line 4
 Milepost 1071.1213



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 Drawing 1 of 5



- Maintenance Location
- Access Route
- Field Observed Waterbody (2014)
- Field Delineated Wetland Boundary (2014)
- Field Delineated Wetland (2014)
- Temporary Bridge



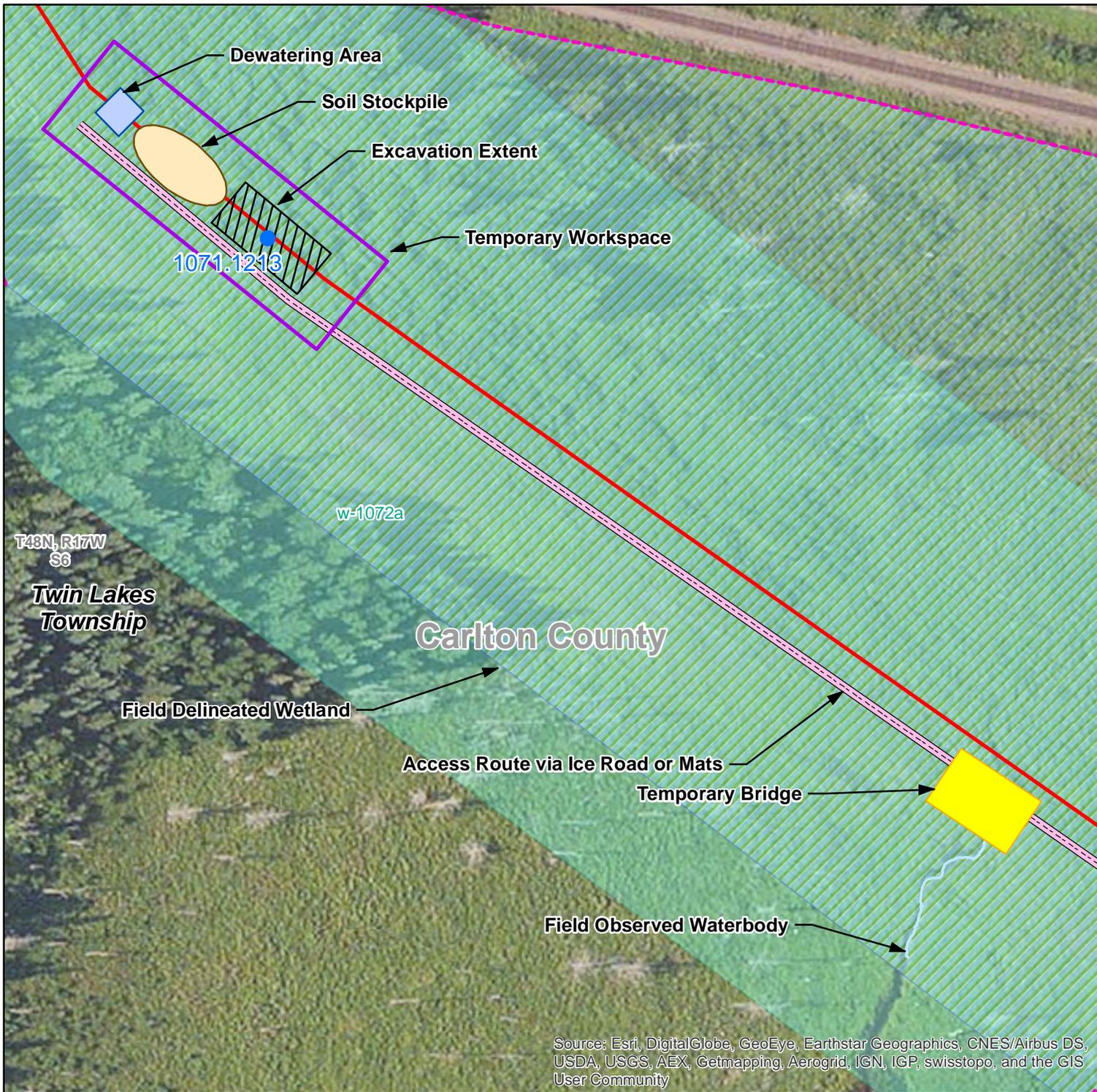
Feet

1 Inch = 300 Feet

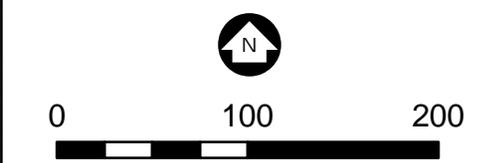
ACCESS ROUTE
 Line 4
 Milepost 1071.1213



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 Drawing 2 of 5



- Maintenance Location
- Access Route via Ice Road or Mats
- Temporary Bridge
- Excavation Extent
- Temporary Workspace
- Dewatering Area
- Soil Stockpile
- Field Delineated Wetland (2014)
- Field Observed Waterbody (2014)
- Field Delineated Wetland Boundary (2014)
- Surveyed Wetlands (2009)**
- PEM PEM (Palustrine Emergent)



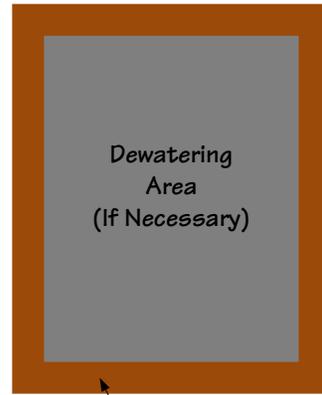
Feet
1 Inch = 100 Feet

SITE PLAN
Line 4
Milepost 1071.1213



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Drawing 3 of 5

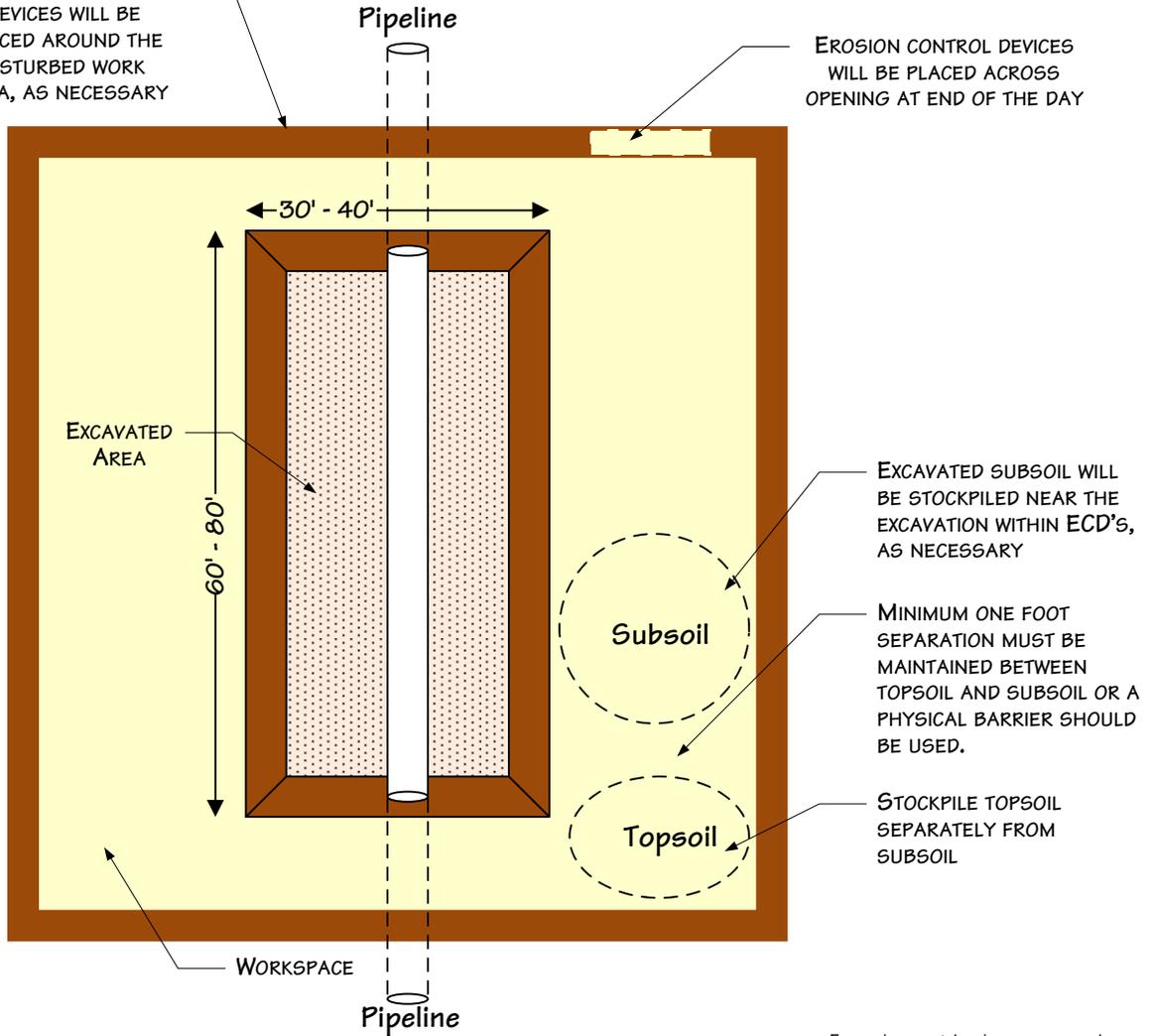
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



PLACE EROSION CONTROL DEVICES, AS NECESSARY

EROSION CONTROL DEVICES WILL BE PLACED AROUND THE DISTURBED WORK AREA, AS NECESSARY

EROSION CONTROL DEVICES WILL BE PLACED ACROSS OPENING AT END OF THE DAY



For environmental review purposes only.



Figure 1
Environmental Mitigation Plan
 Typical Maintenance Excavation
 Plan View

DATE: 3/23/2015

REVISED: 4/8/2015

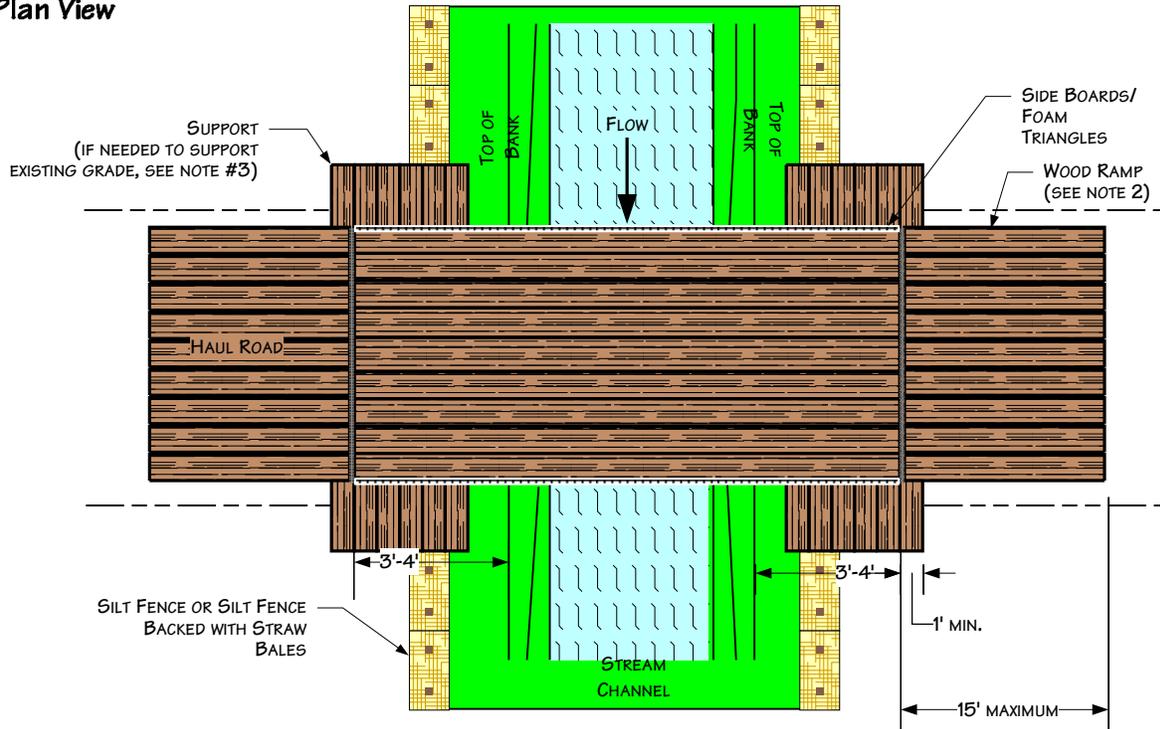
SCALE: NTS

DRAWN BY: JEBAKKEN

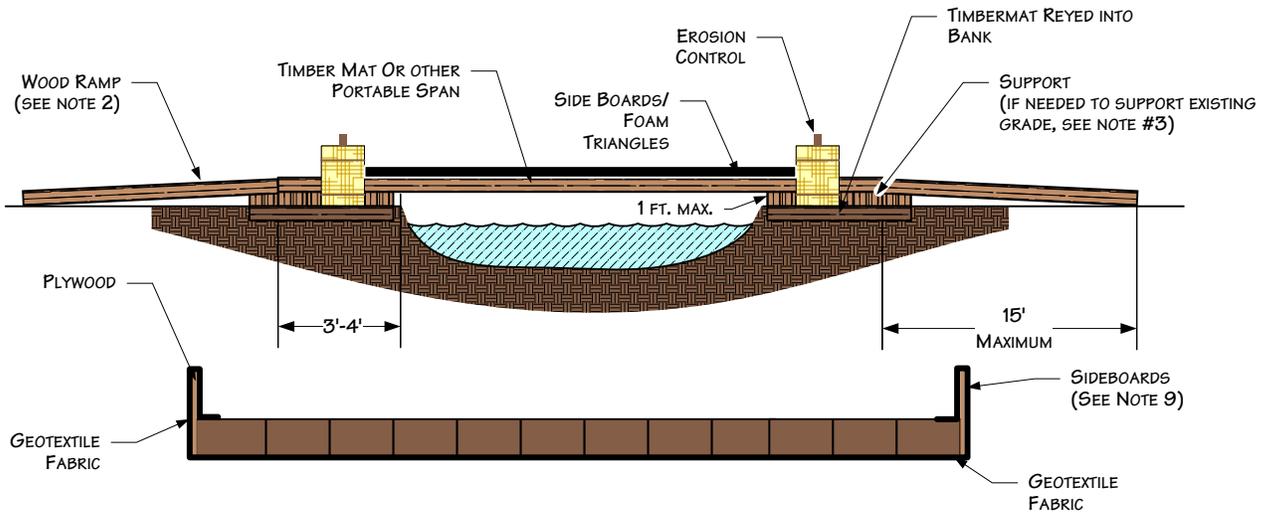
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Plan View



Profile View



NOTES:

1. INSPECT BRIDGE OPENING PERIODICALLY AND FOLLOWING RAINFALLS OF OVER 1/2". REMOVE ANY DEBRIS RESTRICTING FLOW AND DEPOSIT IT AT AN UPLAND SITE OUTSIDE OF FLOODPLAIN.
2. IF PHYSICAL CIRCUMSTANCES PROHIBIT WOOD OR METAL RAMPS, EARTHEN RAMPS MAY BE USED AS APPROVED.
3. INSPECT BRIDGE ELEVATION SO BRIDGE REMAINS SUPPORTED ABOVE HIGH BANK AND DOES NOT SINK INTO BANK.
4. EARTHEN RAMP CANNOT BE TALLER THAN 1' AND CANNOT EXTEND FOR MORE THAN 15' ON EITHER SIDE OF THE CROSSING.
5. THE BRIDGE MUST SPAN FROM TOP OF BANK TO TOP OF BANK.
6. ADDITIONAL SUPPORT MUST BE ADDED ON TOP OF BANK AND UNDER SPAN IF INITIAL SUPPORT STARTS TO SETTLE.
7. SIDEBOARDS WILL BE INSTALLED ON TEMPORARY BRIDGES TO MINIMIZE THE POTENTIAL FOR SEDIMENT TRANSPORT. SIDEBOARDS MAY BE CONSTRUCTED OUT OF PLYWOOD, OR EQUIVALENT, AND AFFIXED TO THE OUTER SIDES OF THE BRIDGE. GEO-TEXTILE FABRIC, OR EQUIVALENT, MUST ALSO BE ADEQUATELY SECURED TO THE UNDERSIDE OF THE BRIDGE TO PREVENT MATERIAL FROM FALLING THROUGH THE BRIDGE DECK. THE GEO-TEXTILE FABRIC OR AN EQUIVALENT SHOULD BE SECURED TO THE BOTTOM OF THE BRIDGE AND WRAPPED AROUND THE SIDEBOARDS IN A CONTINUOUS FASHION.

For environmental review purposes only.



Figure 20
Environmental Mitigation Plan
 Typical Span Type Bridge

DATE: 3/11/2003	
REVISED: 4/10/2015	
SCALE: NTS	an ERM Group company
DRAWN BY: KMK6792	
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