

Information for File # 2014-04087-ARC

Applicant Joe Russell – MN DNR Parks & Trails
Corps Contact Andrew Chambers
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E-Mail Andrew.r.chambers@usace.army.mil
Phone 218-720-5291
Primary County Lake
Section 12
Township 55N
Range 8W

Information Complete On April 01, 2015

Posting Expires On June 18, 2015

Authorization Type LOP-05-MN

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above. An approved jurisdictional determination will be made prior to reaching a permit decision, and will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

PROJECT DESCRIPTION AND PURPOSE:

Minnesota Department of Natural Resources Parks and Trails is proposing to construct a paved multi use trail that would cross the Beaver River and would convey recreational traffic from the end of the existing Gitchi Gami trail in Beaver Bay to the Silver Bay portion of the trail. The current trail runs along Highway 61 until it ends at the Beaver River Bridge, if the trail users would like to get to the Silver Bay portion they are forced to walk the shoulder of the highway and is a safety concern due to the proximity to highway traffic. The proposed trail would follow West Road and require widening into the adjacent wetlands and relocating the constructed ditch bottoms.

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

Wetlands 1-3 are shrub carr wetland community type and are located in the ditch bottoms along West Road. The associated activity would result in the discharge of fill material into 6,969

square feet of these 3 like wetlands. Wetland 4 is a wet meadow wetland community located in the ditch bottoms adjacent to the West Road and would result in the loss of 4,356 square feet due to the discharge of fill material. An intermittent stream located just north of Beaver River would cross under the trail via culvert and would be impacted by the discharge of fill material into 136 linear feet.

ALTERNATIVES CONSIDERED:

The applicant considered shifting the alignment to the east and avoiding the current wetland areas. This would require more fill to be brought in, rock blasting, and steep slopes that wouldn't meet design standards. The work associated with this alternative would increase the cost to an amount not fundable or feasible to the applicant. The No Build alternative was also considered. This was eliminated due to the dangerous proximity of the current trail to highway traffic.

COMPENSATORY MITIGATION:

The applicants design involves the filling of wetlands where absolutely necessary to maintain proper drainage and to meet minimum design guidelines. The applicant proposes to purchase 0.31 acres of wet meadow credits in Bank Service Area 1, providing compensatory mitigation to the unavoidable impacts to waters of the US.

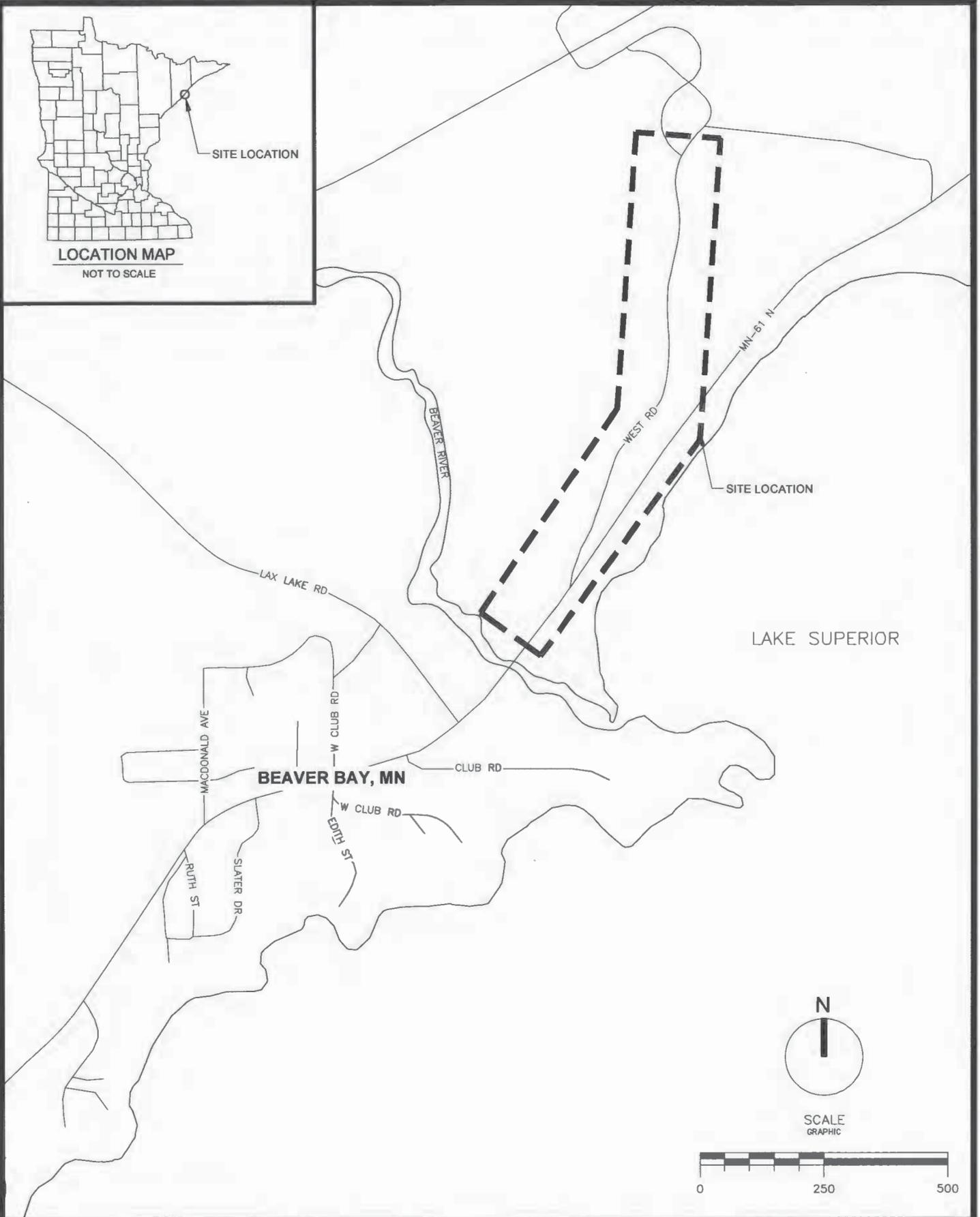
Drawings See attached.



SITE LOCATION

LOCATION MAP

NOT TO SCALE



LAKE SUPERIOR

BEAVER BAY, MN



SCALE
GRAPHIC



**West Road Segment of the Gitchi-Gami Sate Trail
T55N R8W Section 12
Lake County**

GIS shapefiles of MBS Sites of Biodiversity Significance and MBS Native Plant Communities can be downloaded from the DNR Data Deli at <http://deli.dnr.state.mn.us>.

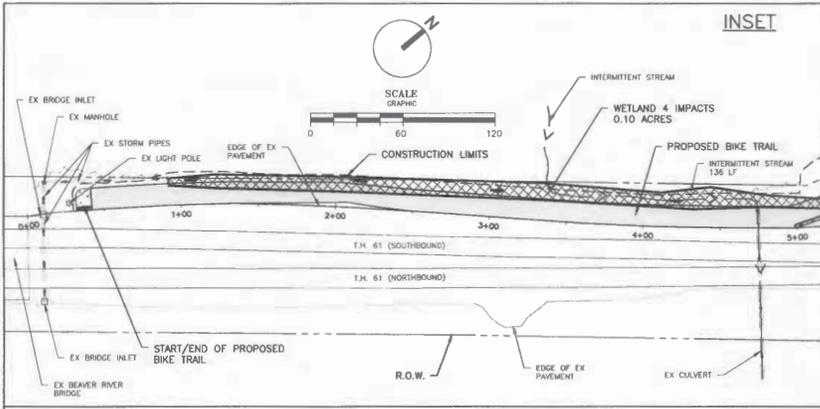


- Legend**
- Project Line**
 - Project Line
 - MBS Native Plant Communities**
 - Aspen - Birch Forest, Hardwood Subtype
 - Upland White Cedar Forest
 - MBS Sites of Biodiversity Significance**
 - Outstanding
 - High
 - Moderate
 - Below
 - PLS Sections

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Drawing 2 of 5

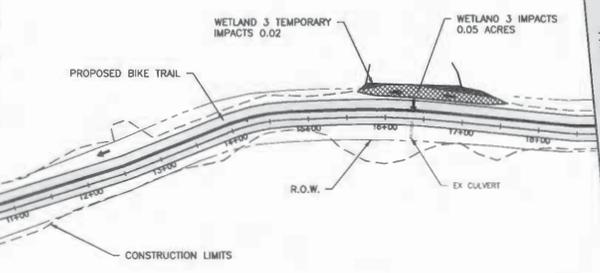
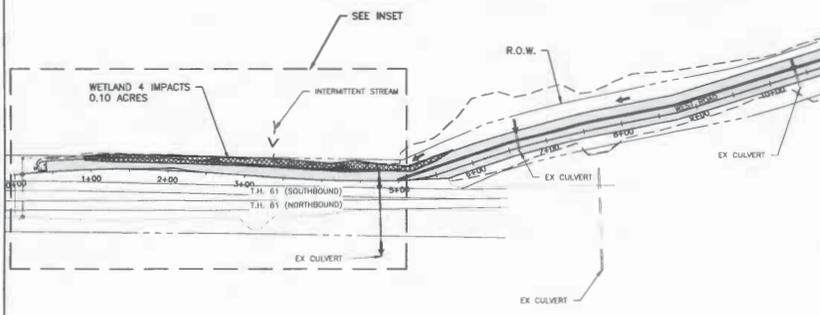


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Rare Feature, Prairie Railroad Survey, Native Plant Community, and Sites of Biodiversity Significance data are from the Natural Heritage Information System. The absence of rare features for a particular location should not be construed to mean that the DNR is confident rare features are absent from that location.



TEMPORARY WETLAND IMPACTS	
WETLAND 2	0.03 ACRES
WETLAND 3	0.02 ACRES
TOTAL TEMPORARY	0.05 ACRES

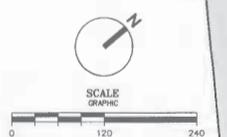
WETLAND IMPACTS	
WETLAND 1	0.09 ACRES
WETLAND 2	0.02 ACRES
WETLAND 3	0.05 ACRES
WETLAND 4	0.10 ACRES
TOTAL IMPACTS	0.26 ACRES



MATCHLINE SHEET 2

LEGEND

- PROPOSED BIKE TRAIL
- PROPOSED BITUMINOUS
- WETLAND IMPACT AREA
- TEMPORARY WETLAND IMPACT
- CONSTRUCTION LIMITS
- INTERMITTENT STREAM
- DIRECTION OF FLOW



NO.	REVISIONS	BY	DATE

DESIGNED	CHECKED	I hereby certify that this plan, specification, report or other data were prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer in the State of Minnesota, No. 1354.
DRAWN	APPROVED	
DATE	JOB NO.	
01/09/15	14-116	

DRAFT

KARVAKKO Engineering
 3300 BEVELLA AVE. N., SUITE 101, BEMIDJIE, MN 56601
 P: (218) 464-0001 F: (218) 464-0952 www.karvakkocorp.com

GITCHI GAMI STATE TRAIL WEST ROAD CONSTRUCTION

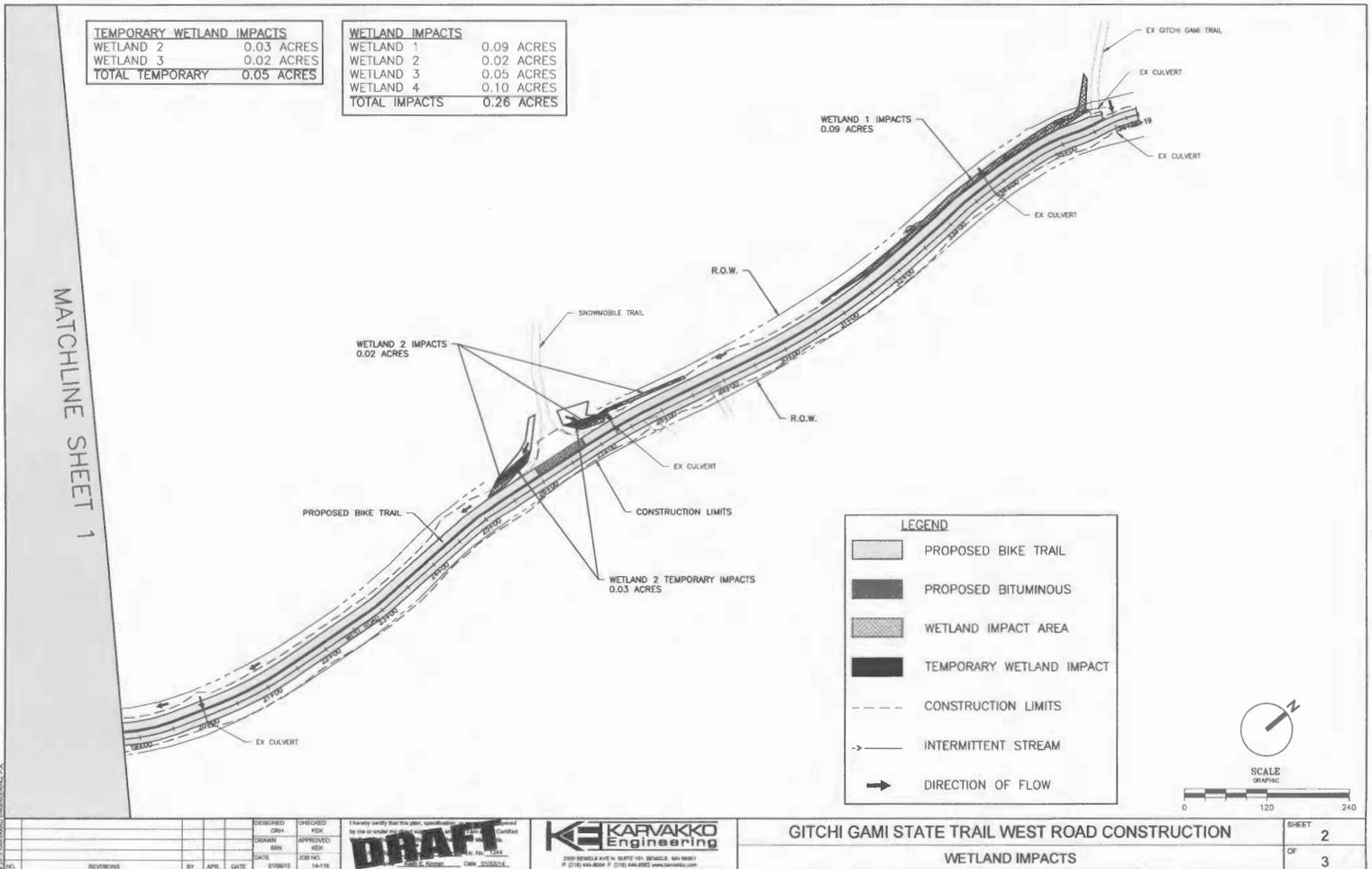
WETLAND IMPACTS

SHEET	1
OF	3

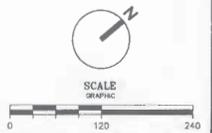
2014-04087-ARC
 Drawing 3 of 5

TEMPORARY WETLAND IMPACTS	
WETLAND 2	0.03 ACRES
WETLAND 3	0.02 ACRES
TOTAL TEMPORARY	0.05 ACRES

WETLAND IMPACTS	
WETLAND 1	0.09 ACRES
WETLAND 2	0.02 ACRES
WETLAND 3	0.05 ACRES
WETLAND 4	0.10 ACRES
TOTAL IMPACTS	0.26 ACRES



LEGEND	
[Pattern]	PROPOSED BIKE TRAIL
[Pattern]	PROPOSED BITUMINOUS
[Pattern]	WETLAND IMPACT AREA
[Pattern]	TEMPORARY WETLAND IMPACT
[Line Style]	CONSTRUCTION LIMITS
[Symbol]	INTERMITTENT STREAM
[Symbol]	DIRECTION OF FLOW

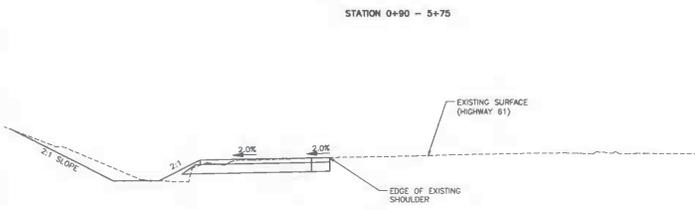


DESIGNED	CHKD	I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer in the State of Michigan.
DRAWN	APPROVED	
DATE	JOB NO.	DATE
BY	DATE	DATE

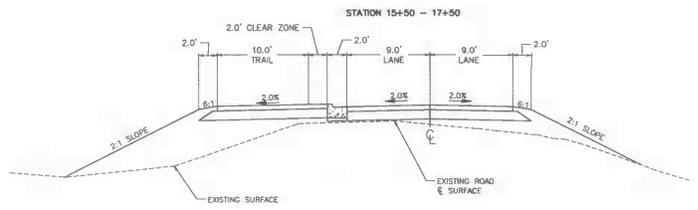
DRAFT

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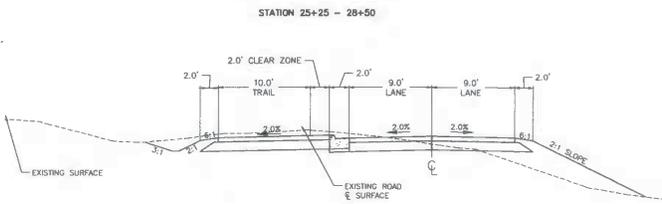
GITCHI GAMI STATE TRAIL WEST ROAD CONSTRUCTION		SHEET	2
WETLAND IMPACTS		OF	3



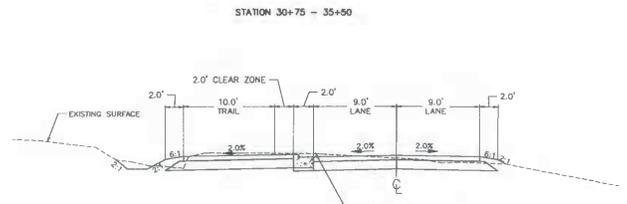
1 T.H. 85 SOUTHBOUND CROSS SECTION 1 (FACING NORTHEAST) - WETLAND 4 / INTERMITTENT STREAM NO SCALE



2 WEST ROAD CROSS SECTION 2 (FACING NORTHEAST) - WETLAND 3 NO SCALE



3 WEST ROAD CROSS SECTION 3 (FACING NORTHEAST) - WETLAND 2 NO SCALE



4 WEST ROAD CROSS SECTION 4 (FACING NORTHEAST) - WETLAND 1 NO SCALE

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DESIGNED CRH	CHECKED KEK	I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer in the State of Massachusetts. KEK	 2700 WASHINGTON AVE. N. SUITE 101, MINNETONKA, MN 55345 P: (763) 844-8004 F: (763) 844-2352 www.karvako.com	GITCHI GAMI STATE TRAIL WEST ROAD CONSTRUCTION		SHEET
DRAWN SRK	APPROVED KEK			WETLAND IMPACTS TYPICAL CROSS SECTIONS		OF
DATE 01/09/15	JOB NO. 14-116					3
NO.	REVISIONS	BY	APR	DATE		