

Information for File #2014-03797-RMM

Applicant: Sibley County Public Works

Corps Contact: Ryan Malterud

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Project Location: Sections 5 and 6, Township 113N, Range 25W, Sibley County, Minnesota

Information Complete On: April 11, 2016

Posting Expires On: April 29, 2016

Authorization Type: LOP-05-MN

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. 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 Description (as described by the applicant)

Sibley County Public Works is experiencing maintenance issues with two 154" culverts that were installed in 1984 at the intersection of County State Aid Highway (CSAH) 6 and CSAH 5. The outlets of the two culverts are approximately 2,300 linear feet from the Minnesota River. The culverts were originally installed at the same elevation of the flood plain, and water from the culverts meandered through the floodplain to the Minnesota River for several years. Recent flooding events of the Minnesota River caused sediment to settle in the flood plain. The sediment is restricting the flow of water from the culvert outlets. Sibley County has removed sediment several times to remove the restriction of water flow and to maintain drainage between CSAH 6 and the Minnesota River. A flood event from June 2014 has left several additional feet of sediment severely restricting the flow of water.

The project involves constructing a channel that will match the outlet elevations of the two arched culverts (invert elevation 719.7) and will follow the historical path of an unnamed tributary. The proposed dimensions are 1,127 linear feet long and 51 feet wide. The channel construction will result in the removal of approximately 4,500 cubic yards of material. The excavated material will be hauled offsite to a county gravel pit.

Aquatic Resource Impacts

The proposed project will result in 1,127 linear feet of tributary impact.

Alternatives as Described by Applicant

1. Closing CSAH 6

The closure of CSAH 6 was investigated and determined to not be practicable by the applicant. The road services approximately 800 vehicles per day and the road closure would reroute users nearly 5 miles.

2. Raising CSAH 6

Raising CSAH 6 was considered to prevent future flooding issues; however, the cost and logistics of the alternative were not practicable and the impacts to aquatic resources would be significantly more as a result of raising the road and creating safe sideslopes.

3. On-site Configuration

The applicant originally had the proposed channel located further away from CSAH 5 and resulted in more wetland impacts. This alternative was not considered further as it had more wetland impacts than the preferred alternative.

Federally Listed Threatened and Endangered Species

According to the USFWS Midwest Region website, which was checked on February 18, 2016, the Northern long-eared bat (threatened) is found in Sibley County, Minnesota.

Historic Properties

The latest version of the National Register of Historic Places has been consulted and no listed properties (known to be eligible for inclusion, or included in the Register) are located in the project area.

State Listed Impaired (Section 303(d)) Waters

According to the Minnesota Pollution Control Agency's Impaired Waters Viewer, which was checked on March 7, 2016, the Minnesota River is listed as an impaired river for mercury in fish tissue, fecal coliform, and PCB in fish tissue.

Mitigation

The applicant has not proposed any mitigation.

Drawings

See attached MVP-2014-03797-RMM, Page 1 of 3 through Page 3 of 3.

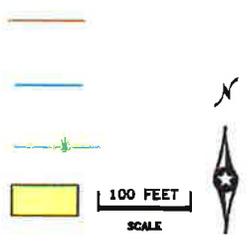


2 FT CONTOUR

HISTORIC STREAM BANK

WETLAND BNDRY

PROPOSED DEBRIS TO BE REMOVED FROM HISTORIC CHANNEL AREA



CP 3075

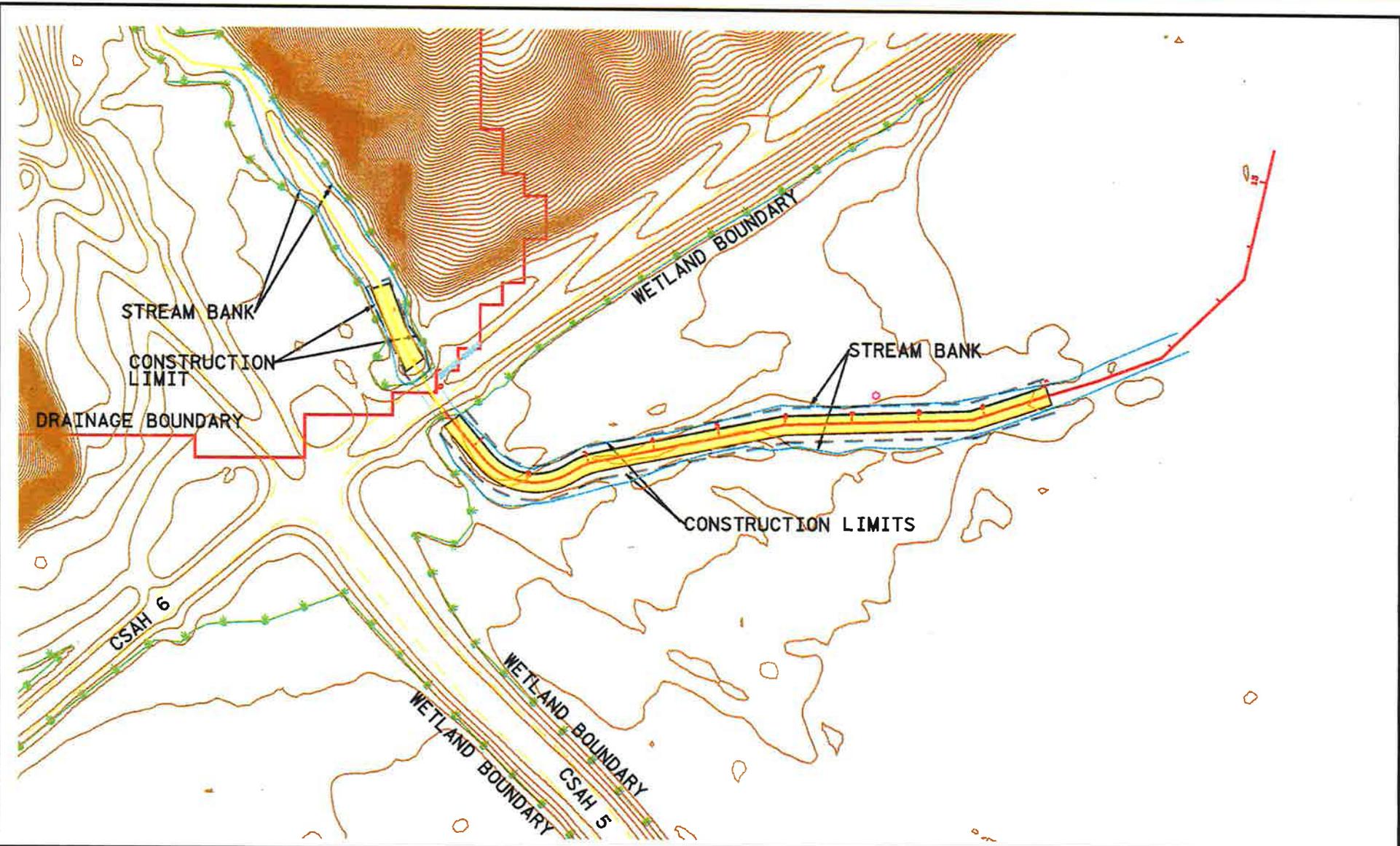
CSAH 6/CSAH 5 DEBRIS REMOVAL

SEC5 T113N R25W

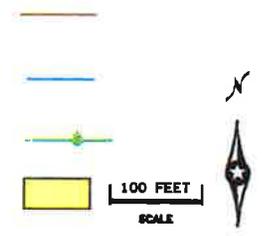
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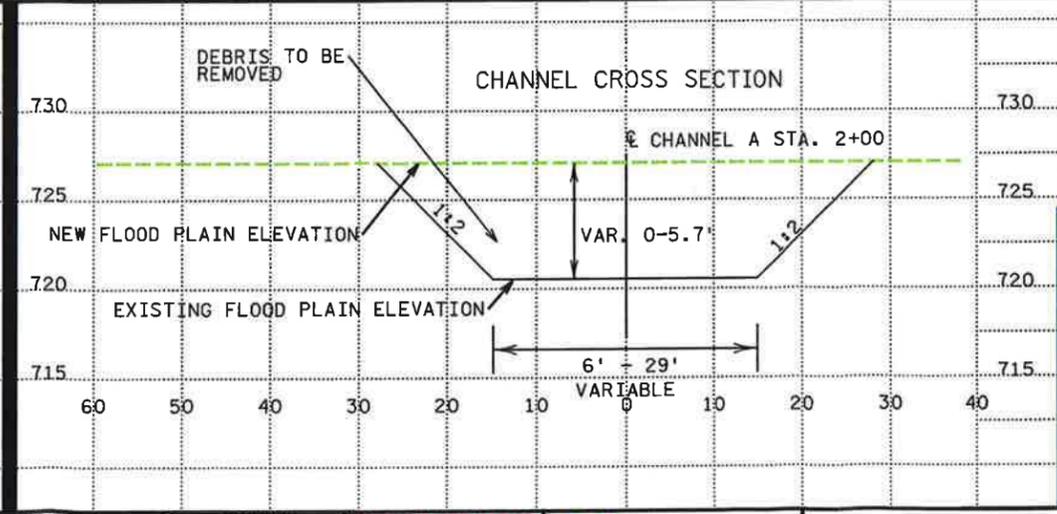
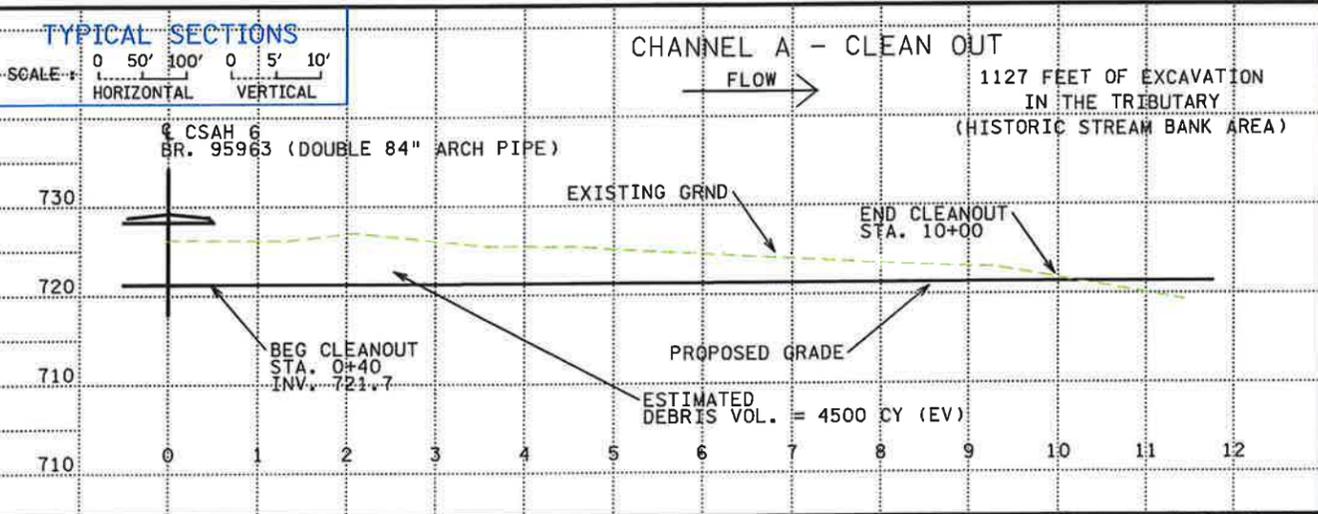
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CP 3075
 CSAH 6/CSAH 5 DEBRIS REMOVAL
 SEC5 T113N R25W



CHANNEL A CLEANOUT

SHEET 1 OF 1

EXCAVATION FROM CSAH 6 TO 900 FT WEST OF CSAH 6

SEC 5 T 113 N R 25 W

COUNTY: SIBLEY

TOWNSHIP: FAXON

BRIDGE NO. 95963

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 under the laws of the State of Minnesota. PRINT NAME: <u>TIM BECKER</u> SIGNATURE: _____ DATE: <u>4/6/2016</u> LICENSE NO.: <u>42764</u>				DRAWN BY: <u>DLB</u> DESIGNED BY: <u>TLB</u> CHECKED BY: <u>TLB</u> PROJECT NO.: _____		STATE AND PROJECT NO.: _____ COUNTY PROJECT NO.: _____ 		COUNTY OF SIBLEY CHANNEL A EXCAVATION		SHEET 2 OF 2	
NO	DATE	BY	CKD	APPR	REVISION						

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