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03/29/16

PATRICK F. GILL  
WOODBURY COUNTY

16-18896

2016 APR 6 AM 11 49



AUDITOR RECORDER  
COUNTY OF ELECTIONS

**PROPOSED SURFACE PIPE OUTLET REPAIR  
WOLF CREEK DRAINAGE DISTRICT  
SECTIONS 14, 22-23, 26, WILLOW TOWNSHIP,  
WOODBURY COUNTY COUNTY**

**MARCH 16, 2016**

**PROBLEM:** Landowners have reported that Surface Drain outlets discharging to the Wolf Creek Drainage District have become blocked with sediment, causing the backwater gates to be non-functional. (See attached map for site locations)

**RECOMMENDATION:** Excavate accumulated sediment from in front of Surface Drain outlets and inspect backwater gates for function. Spread any spoil material on the landward side of the levee berm.

**SITE 1 LOCATION:** Located in the SW ¼ SW ¼ Section 26, Willow Township, Woodbury County, on the right (east) bank of the channel.

**SITE 1 COST ESTIMATE:** 1.5 HR EXCAVATOR @ \$125.00/HR = \$125.00

**SITE 2 LOCATION:** Located in the NW ¼ SW ¼ Section 26, Willow Township, Woodbury County, on the left (west) bank of the channel.

**SITE 2 COST ESTIMATE:** 1.5 HR EXCAVATOR @ \$125.00/HR = \$125.00

**SITE 3 LOCATION:** Located in the SW ¼ SW ¼ Section 23, Willow Township, Woodbury County, on the left (west) bank of the channel, immediately downstream from the 320<sup>th</sup> St bridge.

**SITE 3 COST ESTIMATE:** 1.5 HR EXCAVATOR @ \$125.00/HR = \$125.00

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**SITE 4 LOCATION:** Located in the NE ¼ SW ¼ Section 22, Willow Township, Woodbury County, on the left (west) bank of the channel.

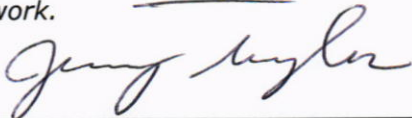
**SITE 4 COST ESTIMATE:** 1.5 HR EXCAVATOR @ \$125.00/HR = \$125.00

**SITE 5 LOCATION:** Located in the NW ¼ NW ¼ Section 14, Willow Township, Woodbury County, on the right (east) bank of the channel immediately downstream of the County Road D25 bridge.

**SITE 5 COST ESTIMATE:** 1.5 HR EXCAVATOR @ \$125.00/HR = \$125.00

**TOTAL COST ESTIMATE:** \$1,200.00 (EQUIPMENT HOURS + MOBILIZATION)

*We are in favor of making the repairs as recommended above and hereby authorize ISG to coordinate with the Woodbury County Engineers Office to arrange completion of work.*



Chairman, Woodbury County Board of Supervisors

5-29-16

Date