



# **Le Sueur County, MN**

**Tuesday, February 16, 2016**

**Board Meeting**

## **Item 8**

**10:25 a.m. Mike Schultz, Soil & Water (10 min)**

*RE: Charles Puffer Stabilization Project*

Staff Contact:



# Le Sueur County Soil & Water Conservation District

Le Sueur County SWCD  
181 W Minnesota St  
Le Center, MN 56057

Tel. (507) 357-4879 Ext. 3  
Website: [www.lesueurswcd.org](http://www.lesueurswcd.org)

February 8, 2016

## Chuck Puffer Streambank Protection Lanesburgh Township, Section 1

Le Sueur County SWCD, Environmental Services and Scott Water Management Organization (WMO) have been working with Mr. Puffer since 2009. The Scott WMO hired Barr Engineering to develop concept designs for 4 high priority sediment areas in Le Sueur County. The Puffer streambank was ranked the highest.

The streambank sits adjacent to the Puffer homestead and Le Sueur County Highway 3. The bluff has been eroding on an average of 1' per year and has yield 161 tons per year of sediment into Sand Creek. The bluff has eroded with 15' of the Puffer homestead and closer to the highway and has created a priority project.

Recently Mr. Puffer was notified by the Scott WMO the agency that manages the Sand Creek Targeted Watershed that his project was pre-approved for funding at roughly 65% cost share rate. Due to the fact the project is almost \$100,000 the landowner has stated he only wanted to be responsible for about \$20,000 of that cost and currently we are short on funds to complete this high priority project that the SWCD has been working on for the past 7 years. The SWCD had been waiting on securing substantial cost share funding through grants or other sources for the past several years and the current proposal is the best option we been able to receive so far.

### Budget Items:

Cost Estimate:	\$95,510.00
Sand Creek Funds:	\$61,132.50
Puffer Contribution:	\$20,000.00
<b>Balance:</b>	<b>\$14,377.50</b>

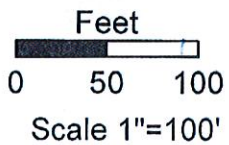
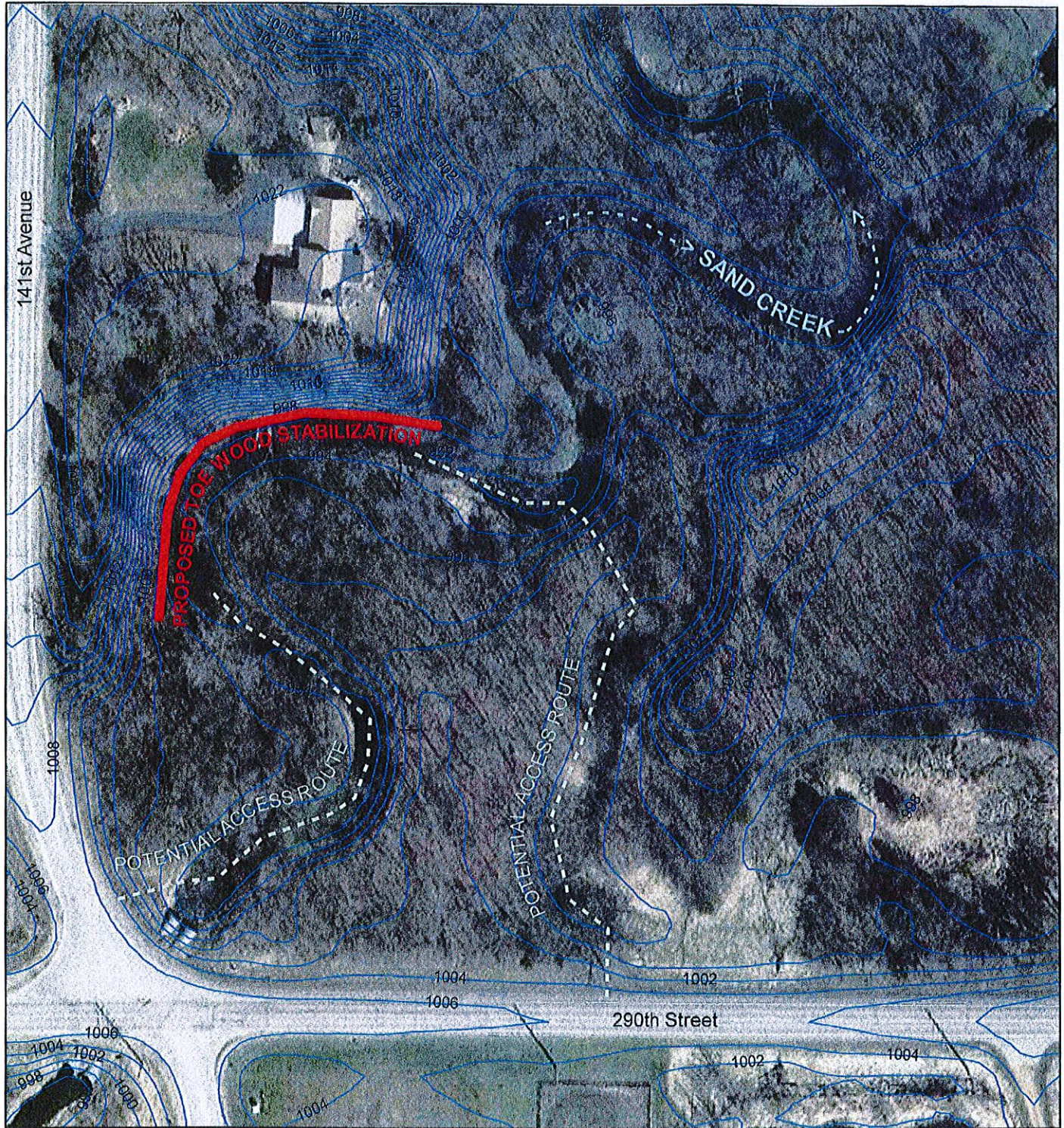
I am requesting \$15,000.00 of gravel tax funds for this project. The project will be bid and the lowest competent bidder will receive the project award. The SWCD will have the South Central Technical Service Area Engineer oversee this project (SWCD Engineer out of Mankato). Construction will take place during low flow periods such as late summer, fall or winter of 2016-17.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Schultz", with a long horizontal flourish extending to the right.

Michael Schultz  
Senior District Technician  
Le Sueur SWCD

# STREAMBANK STABILIZATION Charles Puffer Property on Sand Creek



**Legend**

- LiDAR Elevations Contours



Projection: UTM NAD83 Zone 15  
2010 AERIAL IMAGERY

**PRELIMINARY COST ESTIMATE**

Rev. 11/2015

Charles Puffer - Streambank Stabilization  
(Riprap at Toe of Slope)

Le Sueur County - Lanesburgh Township - SW 1/4 of Section 1

Item No.	Item Description	Pay Unit	Estimated Quantity	Unit Price	Bid Amount
1	MOBILIZATION - 7%	LUMP SUM	1	\$ 4,850.00	\$ 4,850.00
2	ACCESS/CLEARING	LUMP SUM	1	\$ 2,000.00	\$ 2,000.00
3	RIPRAP - MATERIAL, DELIVERY & INSTALLATION	TONS	700	\$ 75.00	\$ 52,500.00
4	GEOTEXTILE FABRIC	S.Y.	900	\$ 2.50	\$ 2,250.00
5	J-HOOK	EACH	3	\$ 2,000.00	\$ 6,000.00
6	COMMON EXCAVATION (channel work, slope prep)	LUMP SUM	1	\$ 3,000.00	\$ 3,000.00
7	EROSION CONTROL	LUMP SUM	1	\$ 1,500.00	\$ 1,500.00
8	RESTORATION	LUMP SUM	1	\$ 2,000.00	\$ 2,000.00

SUBTOTAL: \$ 74,100.00

10% CONTINGENCY: \$ 7,410.00

TOTAL WITH CONTINGENCY: \$ 81,510.00

DESIGN/PLANS/PERMITTING/CONSTRUCTION INSPECTION: \$ 14,000.00

**\$ 95,510.00**

NOTES:

1. RIPRAP QUANTITY BASED ON A 300-FT LONG SECTION, EXTENDING 10 FT VERTICALLY AT 2:1 SIDESLOPES
2. RIPRAP TOE STABILIZATION ONLY. DOES NOT INCLUDE GRADING OR STABILIZATION TO THE UPPER SLOPE.

