

**CARNELIAN-MARINE-ST. CROIX WATERSHED DISTRICT**  
**Regular Meeting June 26, 2013**

**Managers Present:** Steve Kronmiller, Kristin Tuenge, Tori Dupre, and Tom Polasik

**Managers Absent:** Richard Caldecott, Andy Weaver and Dave DeVault.

**Others Present:** Jim Shaver (Administrator), Jessica Collin-Polarski (Washington County), Ed Matthiesen, Todd Shoemaker, and Ian Peterson for Wenck Engineering

Manager Kronmiller called the meeting to order at 6:47 p.m.

**1. Approve June 26 Agenda — Board Action**

**Manager Tuenge moved to approve the June 26, 2013 agenda. Second by Manager Polasik. Motion carried 4-0.**

**2. There were no public Comments**

**3. New Business**

**a. 197<sup>th</sup> Street Ravine Project—Todd Schumaker** Mr. Schumaker presented the feasibility study for the stabilization and reconstruction of a severely eroding ravine at 197<sup>th</sup> Street in Scandia. Wenck Engineering prepared two options for the Board to consider. The first removes some of the overhead tree canopy on the south side of the ravine, installs a manhole at the end of the current culvert and directs flows into an additional 12 “ culvert down the reshaped ravine to a stilling pond. This work would require temporary and permanent easements from existing property owners. The pipe would be buried using the accumulated sand from the base of the bluff and topped with gravel and rip-rap to accommodate flows generated within the ravine. The reshaped contours would then be re-vegetated. At the top of the slope, a large raingarden is incorporated into both alternatives to provide for infiltration and rate reduction at an estimated cost of \$6,360.

The second alternative would de-activate the existing culvert leading from the catch basin and redirect flows with a new culvert to the southeast to intersect a City platted street. The culvert would extend down the slope within the City owned property and provide for dissipation of flows at the bottom of the slope. The existing ravine would be re-contoured and planted as in the first alternative. The new culvert would be buried with the area re-contoured and re-vegetated as with the ravine in alternative 1. The estimated cost for alternative 1 is \$37,728 and for alternative 2 is \$42,648.

The board discussed some of the issues and relative merits of each proposal:

- Difficulties acquiring permanent easements from property owners
- Maintenance
- More impact to the bluff with multiple paths down the bluff
- Location and purpose of raingarden
- Necessity of a closed (culvert) system

- Potential impacts to Native American sites
- City of Scandia input and participation
- Notification of National Park Service for tree removal

Prior to entering into final design, The Board directed Administrator Shaver to get feedback from the City of Scandia and the National Park Service and initiate discussions about potential heritage sites in the area.

- 4 Next Meeting,** The next meeting is Wednesday, July 10 at 6:30 p.m. at the Scandia Community Center.
- 5. Adjourn Manager Tuenge moved to adjourn. Second by Manager Dupre. Motion carried 4-0.** The meeting was adjourned at 7:41 p.m.

Submitted by  
Jim Shaver, Administrator