

# elm creek Watershed Management Commission

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## Regular Meeting Minutes November 8, 2017

I. A **regular meeting** of the Elm Creek Watershed Management Commission was called to order at 11:40 a.m., Wednesday, November 8, 2017, in the Mayor's Conference Room, Maple Grove City Hall, 12800 Arbor Lakes Parkway, Maple Grove, MN, by Chairman Doug Baines.

Present were: Gerry Butcher, Champlin; Sharon Meister, Corcoran; Doug Baines, Dayton; Joe Trainor, Maple Grove; Elizabeth Weir, Medina; Fred Moore, Plymouth; Kevin Jullie, Rogers; James Kujawa and Jason Swenson, Hennepin County Dept. of Environment and Energy (HCEE); Jeff Weiss, Barr Engineering; and Judie Anderson, JASS.

Also present: Todd Tuominen, Champlin; Kevin Mattson, Corcoran; Mark Lahtinen, Maple Grove; and Catherine Cesnik and Ben Scharenbroich, Plymouth.

- A. The **revised agenda\*** was *approved unanimously*.
- B. The **minutes\*** of the September 13, 2017 regular meeting were *approved unanimously*.
- C. The November **Treasurer's Report and Claims\*** totaling \$67,427.25 were *approved unanimously*.

### II. Open Forum.

### III. Action Items.

- A. **Affirm the actions of the Executive Committee** as they pertain to approval of the following:
  - 1. **October 2017 Treasurer's Report and Claims.\***
  - 2. **Project Review 2017-022 CSAH 81/CSAH 101 and 13 Intersection Improvements, Rogers.\***
  - 3. **Project Review 2017-036 Enclave at Elm Creek, Plymouth.\***
  - 4. **Project Review 2017-037 L-80 Lift Station, Corcoran.\***

The actions cited above were *approved unanimously*.

B. **Project Review 2017-031 Bass Lake Crossing, Corcoran.\*** This is two parcels, 48.5 total acres, located north of the intersection of CR 10 and Larkin Road. M/I Homes is proposing to develop the two parcels into 97 single-family residential homes. As proposed, the project will require 0.3303-acre of jurisdictional wetland fill within five separate wetland locations. The review will be for compliance with Commission rules D, G, and I. A notice for the wetland replacement plan was sent on August 1, requesting comments by August 31. A TEP met on August 25 and determined the wetland replacement plans meet the intent of the Commission and MN Wetland Conservation Act (WCA) requirements and recommended approval. In their findings dated November 1, 2017, Staff recommends approval contingent upon: 1) the wetland replacement credit purchase being completed or an escrow of \$75,000 cash or letter of credit being received and 2) the buffer monumentation meeting Commission requirements. Staff's recommendations were *approved unanimously*.

RULE D - STORMWATER MANAGEMENT  
RULE G - WETLAND ALTERATION

RULE E - EROSION AND SEDIMENT CONTROL  
RULE H - BRIDGE AND CULVERT CROSSINGS

RULE F - FLOODPLAIN ALTERATION  
RULE I - BUFFERS

**C. Project Review 2017-044 Reserve at Medina 2nd Addition, Medina.\*** This is an erosion control review of the plans for the final build-out of this addition of the Reserve at Medina project originally approved under project #2013-002. This addition is located southeast of Hackamore Road and Pinto Drive (CR116), immediately east of the First Addition, and will allow for the construction of 46 new single-family homes. The plans are in conformance with the previously approved project and require small modifications to allow Staff to complete its administrative review. In their findings dated November 1, 2017, Staff recommends approval with the following minor revisions: 1) A final plan, dated and signed by a Professional Engineer licensed in Minnesota, must be submitted to the Commission and the City of Medina; 2) A narrative, discussing whether these plans are covered by a previous or a new NPDES Construction Stormwater Permit, should be included on the plan sheets, including what, if any, modifications are required to comply with current MPCA standards, if applicable; 3) the SWPPP must include a map identifying the receiving waters from the site (Elm Creek is located downstream within one mile of the project, so the special provisions in the NPDES permit will apply to this project); and 4) the plans should include an actual Statement of Estimated Quantities (SEQ) to comply with NPDES permit requirements. Staff's recommendations were *approved unanimously*.

**IV. New Business.**

**V. Grant Opportunities and Updates.**

**A. Internal Phosphorus Loading Control in Fish Lake project.**

Mobilization for the alum treatment began the morning of September 18, 2017. Two 7000-gallon capacity temporary chemical storage tanks were placed on-site to store liquid aluminum sulfate. The alum was delivered to the site in 5,000 gallon tanker trucks to transfer alum to the temporary lakeshore chemical storage tanks. The storage tanks allowed for the continuous transfer of alum to the treatment barge at a rate that exceeds the delivered supply from the tanker trucks.

The treatment barge started applying alum to Fish Lake at 1:00 p.m. on September 18. The treatment barge had a computer with GPS technology that had pre-programmed bathymetry data to assist with the route of the application. The computer also controlled the pumping rate of the alum based on boat speed and water depth to ensure the effective dose of alum applied to the lake. The treatment barge has the ability to apply 20,000+ gallons of alum per day. Alum was applied to 120 acres of Fish Lake at depths greater than 20 feet. The target dose of alum was 95,000 gallons for the entire treatment. A total of 95,349 gallons of alum (22 alum trucks) was applied to Fish Lake. The treatment was completed by 1:00 p.m. on September 21. (Some pictures of the event are included in the November Staff Report.\*)

HAB Aquatic Solutions set up a website (<http://fishlakealum.com>) for the Fish Lake Alum Treatment, providing daily updates of the project and an opportunity for folks to submit their questions about the project.

The Fish Lake Area Residents Association (Dave Haas) set up a media event on September 20. Baines attended the media event representing the Elm Creek Commission. There were approximately 10 to 15 homeowners in attendance. There were also presentations by HAB Aquatic Solutions and Three Rivers Park District about the project followed by a boat tour in order to observe the alum application. The CCX news media video is available at the following link: <https://www.youtube.com/watch?v=Mt1gYo5lGtw>

**B. Rush Creek Headwaters Subwatershed Assessment project.** Minutes\* of the Rush Creek SWA TAC meeting, which preceded this meeting, are available under separate cover and on the Commission website.

The hydro-conditioned Digital Elevation Model (DEM) for the Study Area has been finalized and has been used to develop a much more accurate stream network and drainage subcatchments. The Study Area has been broken down into six Management Units: Lake Henry, Lake Jubert, Lower Rush Creek, Upper Rush Creek, South Tributary, and Tilton's. Map books have been assembled for the Study Area and each of the Management Units, including the following figures:

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- a. Location, including lakes, streams, and ditches
- b. Land Use
- c. Land Cover
- d. Soil properties
- e. Feedlots and animal locations
- f. Potential tile-drained areas
- g. ACPF raw model results
- h. Known flooding and stream erosion areas
- i. Coarse-grained Revised Universal Soil Loss Equation (RUSLE) sedimentation loading rate by catchment

At today's TAC meeting they presented the following:

- a. Discussion of priority strategies and areas by Management Unit
- b. Review of model findings
- c. Continued discussion regarding public participation and input process, and identification of key landowners

The City of Corcoran has scheduled an Open House for December 7, 2017 and will send an invitation to all property owners in the Study Area. An informational flyer\* has been created to promote the event.

### VI. Education.

**A.** The Lake Effect: Protecting Water through Innovative Collaboration.\* <https://freshwater.org/moos-family-lecture-series/>

**B.** The next **WMWA meeting** is scheduled for 8:30 a.m., Tuesday, December 5, 2017, at Plymouth City Hall. Commissioners are encouraged to attend.

### VII. Communications.

### VIII. Other Business.

**A.** The following **projects** are discussed in the November Staff Report.\* ("W" denotes wetland project.)

1. 2013-046 Woods of Medina, Medina.
2. 2014-015 Rogers Drive Extension, Rogers.
3. 2015-004 Kinghorn Outlet A, Rogers.
4. 2015-006 Veit Building and Parking Lot Addition, Rogers.
5. 2015-030 Kiddiegarten Child Care Center, Maple Grove.
6. 2016-002 The Markets at Rush Creek, Maple Grove.
7. 2016-004 Park Place Storage Site Plans, Corcoran.
8. 2016-005W Ravinia Wetland Bank, Corcoran.
9. 2016-018 Cambridge Park, Maple Grove.
10. 2016-022 AutoZone, Maple Grove.
11. 2016-026 Faithbrook Church, Dayton.
12. 2016-040 Kinghorn 4th Addition, Rogers.
13. 2016-047 Hy-Vee Maple Grove #1, Maple Grove.
14. 2016-052 The Woods at Rush Creek, Maple Grove.
15. 2017-002 RDO Site Plan, Dayton.
16. 2017-004W Cartway Trail, Champlin.
17. 2017-013W 20417 Larkin Road, Corcoran.
18. 2017-014 Laurel Creek, Rogers.
19. 2017-016 Territorial Woods, Maple Grove.
20. 2017-017 Mary Queen of Peace Catholic Church, Rogers
21. 2017-019 Medina Senior Living Community, Medina.
22. 2017-021 Hindu Society of MN Staff Housing, Maple Grove.
23. 2018-022 CSAH81 and CSAH101 and 13 Intersection Improvements, Rogers.\*

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24. 2017-023 Midwest Steel Supply, Rogers.
25. 2017-024 Lil Explorers Daycare, Rogers.
26. 2017-027W Mill Pond Restoration, Champlin.
27. 2017-028W Fehn Meadows Wetland Bank, Corcoran.
28. 2017-029 Brayburn Trails, Dayton.
29. 2017-030 Brindle Path, Medina.
30. 2017-031 Bass Lake Crossing, Corcoran.\*
31. 2017-034 Plymouth Memory Care, Plymouth.
32. 2017-035 Weston Woods of Medina PUD.
33. 2017-036 Enclave at Elm Creek, Plymouth.\*
34. 2017-037 L-80 Lift Station MCES, Corcoran.\*
35. 2017-038 Bass Lake Estates, Corcoran.
36. 2017-039 Rush Creek Apartments, Maple Grove.
37. 2017-040 Capitol Beverage, Rogers.
38. 2017-041W Maghrak Wetland Delineation, Corcoran.
39. 2017-042 Cavanaugh Concept Plan, Medina.
40. 2017-043W Kissner WCA Exemption, Corcoran.
41. 2017-044 Reserve at Medina 2<sup>nd</sup> Addition, Medina.\*
42. 2017-045 Fish Lake Estates, Maple Grove.
43. 2017-046W Wessell Wetland Delineation, Corcoran.
44. 2017-047W Newman Wetland Delineation, Corcoran.

**B. Adjournment.** There being no further business, the meeting was adjourned.

Respectfully submitted,



Judie A. Anderson, Recording Secretary

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