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Technical Advisory Committee and Regular Meeting Minutes August 10, 2016

I. A meeting of the **Technical Advisory Committee (TAC)** for the Elm Creek Watershed Management Commission was convened at 10:00 a.m., Wednesday, August 10, 2016, in the Mayor's Conference Room, Maple Grove City Hall, 12800 Arbor Lakes Parkway, Maple Grove, MN by Commission Vice Chair Elizabeth Weir.

In attendance were Todd Tuominen, Champlin; Rick Lestina and Mark Lahtinen, Maple Grove; Ben Scharenbroich, Plymouth; Andrew Simmons, Rogers; James Kujawa and Said Matan, Hennepin County Dept. of Environment and Energy (HCEE); Rich Brasch, Three Rivers Park District (TRPD); Jeff Weiss, Barr Engineering; Kate Drewry, DNR; and Judie Anderson, JASS.

Not represented: Corcoran, Dayton, and Medina.

Also present: Elizabeth Weir, Medina; Fred Moore, Plymouth; John Smyth, Stantec, for Project 2016-04; and Dave Haas, Fish Lake Area Residents Association (FLARA).

A. The **agenda** was approved by consensus.

B. **Consideration of 2016 CIPs.**

1. **Project 2016-01** Fox Creek Streambank Stabilization Project Phase 2.*
Cost | Proposed Levy: \$321,250 | \$80,312

Fox Creek is a three-mile long stream located in Rogers. Urbanization and development of the area surrounding the creek has resulted in significant erosion and depleted water quality throughout the system. Phase 1 of the project was completed in 2013. Phase 2, consists of stabilization of a 1300 linear foot stretch between Red Fox Road and Industrial Boulevard. It is an area of eroding stream banks, heavy tree cover, direct discharge of sump pumps, and railroad box culvert and ditch erosion. Fox Creek discharges to the Crow River. The majority of the surrounding watershed has been developed. The goal of this project is to restore the creek while minimizing further disturbances in its natural behavior. Motion by Kujawa, second by Scharenbroich to recommend to the Commission that this project, with the inclusion of associated phosphorus and TSS load reduction calculations, be moved forward to the public hearing in September. *Motion carried unanimously.*

2. **Project 2016-02** Mississippi River Shoreline Repair and Stabilization Project.*
Cost | Proposed Levy: \$300,000 | \$75,000

During intense rain events in June and July 2014, the flood waters of the Mississippi River caused damage to two stormwater outfalls to the river along East River Parkway and damaged the river banks at Stream Boat Landing and Mississippi River Point Park. A major disaster was declared for these impacted areas in Champlin. 1600 feet of shoreline will be repaired and armored with rip rap and the outfalls will be repaired. 85% of the project is in the Elm Creek watershed, with the majority of the land area being city property. A minor portion of the project is on land under easement. The City has determined that \$300,000 is the Elm Creek Commission's pro rata share of this \$402,795 project, which is currently underway. Motion by Lestina, second by Scharenbroich to recommend to the Commission that this project, with the inclusion of associated phosphorus and TSS load reduction calculations, be moved forward to the public hearing in September. *Motion carried unanimously.*

3. **Project 2016-03** Elm Creek Dam at the Mill Pond.*
Cost | Proposed Levy: \$7,001,220 | \$187,500

This project is a portion of a \$7 million project to replace the Elm Creek Dam and Bridge, public access construction and flood mitigation at the Mill Pond location in Champlin. The project will construct a new spillway capable of conveying the 100-year peak discharge while providing a one-foot freeboard before overtopping. A new exterior weir capable of conveying 2840 cfs will

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also be constructed. A 105-foot interior weir will contain low flows in a rock-lined channel. Four 10x8 box culverts will serve as an emergency spillway. The project addresses several safety issues related to the existing dam and is a collaboration between the City of Champlin, Hennepin County, DNR, the 2014 State bonding bill, West Mississippi WMC and the Elm Creek WMC. The City requested and received \$62,500 from an ad valorem levy by the Elm Creek Commission in 2014 and is currently requesting an additional \$187,500 at this time, bringing the total to the \$250,000 maximum levy allowed under Commission rules. The City is the owner of the dam. Motion by Kujawa, second by Scharenbroich to recommend to the Commission that this project be moved forward to the public hearing in September. *Motion carried unanimously.*

4. Project 2016-04 Rush Creek Main Stem Restoration.*

Cost | Proposed Levy: \$300,000 | \$75,000

This project will stabilize the erosional sites in a 2900 linear foot portion of Rush Creek in Maple Grove. Initial erosion was likely due to increased flows from the developing watershed. Erosion has caused encroachment into the adjacent woods and trees and other debris to fall into the creek, resulting in diversion of flows to the toe of slopes. This, in turn, has caused accelerated erosion in most outside bend locations, creating vertical flows that range in height from 4 to 10+ feet. The project involves removal of fallen trees and debris from channel, removal of select tree along the banks of the creek, and installation of stream barbs along many of the outside eroded bends. The barbs will allow sediment to naturally deposit upstream of the barbs, push the flows back to the center of the channel and create a hydraulic jump in the stream that will help dissipate energy and create pond habitat for fish. Motion by Tuominen, second by Scharenbroich to recommend to the Commission that this project, with the inclusion of associated phosphorus and TSS load reduction calculations, be moved forward to the public hearing in September. *Motion carried unanimously.*

5. Project 2016-05 Fish Lake Alum Treatment Phase 1.*

Cost | Proposed Levy: \$300,000 | \$75,000

Conduct whole lake alum treatment based on findings of a 2013 UW Stout Study to estimate alum dosage scenarios to control anoxic sediment internal phosphorus loading in Fish Lake in the City of Maple Grove. The goal of treating the lake with alum is to reduce the phosphorus load affecting the lake by at least 310 lbs./yr. This reduction will meet the load reductions identified in the recently completed WRAPS/TMDL reports. Based on the proposed treatment, Brasch indicated a cost-effectiveness figure of no higher than \$70/lb. phosphorus reduction. This is a cooperative project between the City, Three Rivers Park District as the technical lead, FLARA, and the Commission. The Commission has submitted a Clean Water Fund Grant Application for the full amount of this project less the Commission's \$75,000 cost-share and a \$25,000 cash match split between the City, FLARA and TRPD. Motion by Scharenbroich, second by Lestina to recommend to the Commission that this project be moved forward to the public hearing in September. *Motion carried unanimously.*

C. Cost Share Policy.

During the July Commission meeting the members discussed the Rush Creek Headwaters Subwatershed Assessment grant application. Much of the discussion centered on cooperative funding of the grant. It was noted that since the Commission does not have a policy for cost-sharing SWAs or other special projects, this should be a topic for discussion by the TAC.

In an email* dated August 2, 2016, Steve Christopher, BWSR, noted, *If the Commission chooses to include subwatershed assessments within its 'special studies' category as mentioned within 3.2.1 Commission of its Watershed Management Plan, it would be a clarification and would not necessitate a plan amendment. As written, these are funded through the general fund. I would support this decision and maintain that the additional city contribution should take place at time of implementation.*

D. Adjournment.

The meeting of the Technical Advisory Committee of the Elm Creek Watershed Management Commission was adjourned at 11:20 a.m.

II. A regular meeting of the Elm Creek Watershed Management Commission was called to order at 11:30 a.m., Wednesday, August 10, 2016, in the Mayor's Conference Room, Maple Grove City Hall, 12800 Arbor Lakes Parkway, Maple Grove, MN by Vice Chair Elizabeth Weir.

*in meeting packet

Present were: Gerry Butcher, Champlin; Jon Bottema, Corcoran; Joe Trainor, Maple Grove; Elizabeth Weir, Medina; Fred Moore, Plymouth; Kevin Jullie, Rogers; James Kujawa and Said Matan, Hennepin County Dept. of Environment and Energy (HCEE); Rich Brasch, Three Rivers Park District (TRPD); Jeff Weiss, Barr Engineering; and Judie Anderson, JASS.

Not represented: Dayton.

Also present: Todd Tuominen, Champlin; Mark Lahtinen, Maple Grove; Ben Scharenbroich, Plymouth; Andrew Simmons, Rogers; Kate Drewry, DNR; and Dave Haas, Fish Lake Area Residents Association (FLARA).

A. Motion by Bottema, second by Butcher to approve the **revised agenda**. * *Motion carried unanimously.*

B. Motion by Bottema, second by Butcher to approve the **minutes*** of the July 13, 2016 regular meeting. *Motion carried unanimously.*

C. Motion by Moore, second by Bottema to approve the **August Treasurer's Report and Claims*** totaling \$34,698.68. *Motion carried unanimously.*

D. **Open Forum.**

E. **Action Items.**

1. **Project Reviews.**

a. **2016-026 Faithbrook Church, Dayton.*** This is 12.2 acre commercial development site located at 224 1st Avenue Northwest. It is bounded by Fernbrook Lane North to the west, Elm Creek Road to the south, and farmland to the north and east. The applicant is proposing to build a principal structure and create about 1.34 acres of impervious surface (driveways and parking lots). The site is currently vegetated with agricultural crops. The project was reviewed for compliance with the Commission's grading, erosion control, and stormwater management standards. In their findings dated July 25, 2016 Staff recommended approval with the following stipulation: If the pond will be maintained by the property owner, an operation and maintenance plan must be submitted to the City and the Commission for review and approval. The approved O&M plan must be recorded with the property within 90 days following final plat approval. Motion by Bottema, second by Butcher to approve Staff's recommendation. *Motion carried unanimously.*

[Trainor arrived 11:45 a.m.]

b. **2016-030 Elm Creek Meadows, Plymouth.*** This project consists of three parcels on 28 acres proposed to be developed into 59 single-family townhomes. It is located on the east side of Elm Creek, north of CR 47. The project was reviewed for compliance with the Commission's grading, erosion control, floodplain, and stormwater management standards. In their findings dated August 9, 2016, Staff recommends approval of this project. Motion by Moore, second by Jullie to approve Staff's recommendations with the following: 1) provision of an O&M plan to be recorded with the property within 90 days following final plat approval; 2) a recommendation to the developer that irrigation be considered on this project, and 3) a requirement that the footbridge be removed, requiring an after-the-fact permit. *Motion carried, Bottema voting nay.*

2. **2016 CIPs.** Motion by Moore, second by Butcher to approve the recommendations of the Technical Advisory committee regarding the five projects reviewed at their meeting preceding this meeting. (See pages 1 and 2 of these minutes.) The public hearing, scheduled for 11:30 a.m., Wednesday, September 14, 2016, prior to the Commission's regular meeting, has been duly noticed.

3. **Special Projects Cost-Sharing Policy.** As a follow up to discussion at the July meeting regarding cooperative funding for special projects such as subwatershed assessments, Staff was directed to draft a policy for consideration by the TAC at their October meeting.

4. **Model Snow and Ice Policy.*** The Commissioners received correspondence from Steve Woods, Executive Director of the Freshwater Society, asking if the Commission would be willing to join a consortium of other WMOs to provide a state-of-the-art model snow and ice removal policy for municipal use. A Technical Advisory Committee comprised of representatives from seven cities, three watershed districts, the Minnesota Nursery and Landscape Association, the Minnesota Pollution Control Agency, Fortin Consulting, and the Freshwater Society has been meeting and has crafted a third draft of the proposed policy. The Freshwater Society is asking the Commission to consider a financial contribution of \$1500 to help fund

*in meeting packet

their scope of work. Motion by Moore, second by Bottema to table consideration of this request to the September to allow Commissioners time to review the draft policy with their city staffs. *Motion carried unanimously.*

F. Watershed Management Plan. See Item E.2., above.

G. Elm Creek Watershedwide TMDL. The public comment period for the draft TMDL and WRAPS Reports closed on August 4, 2016. Comments were received from MnDOT, Dept. of Agriculture, and the cities of Corcoran, Medina and Plymouth. Brasch is reviewing and responding to the comments.

H. New Business.

I. Communications.

1. August 2016 Buffer Update.*

J. Education.

1. Minnesota Water Resources Conference,* October 18-19, 2016, Saint Paul RiverCentre. Register at wrc.umn.edu/waterconf

2. Clean Water Summit, September 22, 2016, Minnesota Landscape Arboretum. Register at <http://www.arboretum.umn.edu/2016cleanwatersummit.aspx>

3. The next WMWA meeting is scheduled for Tuesday, September 13, 2016, at Plymouth City Hall. Commissioners are encouraged to attend.

K. Grant Opportunities.

Included in the meeting packet were copies of 2017 Clean Water Fund Grant applications for the following:

1. BWSR Projects and Practices Grant for Internal Phosphorus Loading Control, Fish Lake* in the amount of \$200,000.

2. BWSR Accelerated Implementation Grant for Rush Creek Headwaters Subwatershed Assessment* in the amount of \$50,280.

L. Other Business.

1. All 2016 Commissioner appointments have been received.

M. The following projects are discussed in the August Staff Report.* ("W" denotes wetland project.)

- 1.** 2013-041 Jomico, Corcoran.
- 2.** 2013-046 Woods of Medina, Medina.
- 3.** 2014-015 Rogers Drive Extension, Rogers.
- 4.** 2015-004 Kinghorn Outlet A, Rogers.
- 5.** 2015-006 Veit Building and Parking Lot Addition, Rogers.
- 6.** 2015-013 Wayzata High School, Plymouth.
- 7.** 2015-020 Strehler Estates, Corcoran.
- 8.** 2015-025 OP3 Outdoor Storage, Rogers.
- 9.** 2015-030 Kiddiegarten Child Care Center, Maple Grove.
- 10.** 2015-032 Rogers High School Auditorium Addition, Rogers.
- 11.** 2015-038 Wealshire of Medina, Medina.
- 12.** 2016-001 CSAH 115/CR 116 Reconstruction, Medina.
- 13.** 2016-002 The Markets at Rush Creek, Maple Grove.
- 14.** 2016-003W Park Place Storage Wetland Replacement Plan, Corcoran.
- 15.** 2016-004 Park Place Storage Site Plans, Corcoran.
- 16.** 2016-005W Ravinia Wetland Bank, Corcoran.
- 17.** 2016-014 Balsam Apartments, Dayton.
- 18.** 2016-018 Cambridge Park, Maple Grove.
- 19.** 2016-019 Just for Kix, Medina.
- 20.** 2016-020 Ryan Meadows, Rogers.

*in meeting packet

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21. 2016-021 Diamond View Estates, Dayton.
22. 2016-022 AutoZone, Maple Grove.
23. 2016-023 Tri-Care, Maple Grove.
24. 2016-024 Dunkirk Gateway, Plymouth.
25. 2016-025 Killarney Glen 2nd Addition, Maple Grove.
26. 2016-026 Faithbrook Church, Dayton.*
27. 2016-027 Rogers Drive/Brockton Lane Intersection Improvements, Rogers.*
28. 2016-028 Ploceus Meadows, Maple Grove.
29. 2016-029 Camelot Nine at Begin, Plymouth.
30. 2016-030 Elm Creek Meadows, Plymouth.
31. 2016-031W 9735 Garden Lane, Corcoran.*
32. 2016-032 CSAH 19 Cross Culvert, Corcoran.
33. 2016-033 Dayton Public Works Garage, Dayton.
34. 2016-034 French Lake Golf Course AUAR, Dayton.
35. 2016-035W 20070 Larkin Road, Corcoran.*

N. Adjournment. There being no further business, motion by Bottema, second by Butcher to adjourn. *Motion carried unanimously.* The meeting was adjourned at 12:30 p.m.

Respectfully submitted,



Recording Secretary

JAA:tim

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